



Full wwPDB EM Validation Report ⓘ

Apr 10, 2023 – 05:07 AM JST

PDB ID : 7Y4L
EMDB ID : EMD-33605
Title : PBS of PBS-PSII-PSI-LHCs from *Porphyridium purpureum*.
Authors : You, X.; Zhang, X.; Cheng, J.; Xiao, Y.N.; Sun, S.; Sui, S.F.
Deposited on : 2022-06-15
Resolution : 3.30 Å (reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : 0.0.1.dev50
Mogul : 1.8.5 (274361), CSD as541be (2020)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
MapQ : 1.9.9
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.32.2

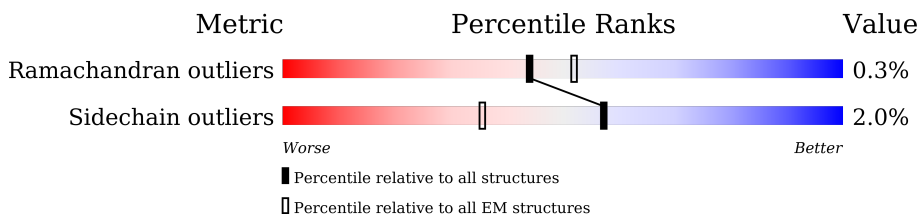
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

The reported resolution of this entry is 3.30 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)
Ramachandran outliers	154571	4023
Sidechain outliers	154315	3826

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion $< 40\%$). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	AA	138	
1	EA	138	
2	B1	177	
2	B7	177	
2	B8	177	
2	B9	177	
2	BA	177	
2	BF	177	
2	BG	177	

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Mol	Chain	Length	Quality of chain
2	BI	177	100%
2	BK	177	99%
2	C5	177	75%
2	CA	177	66%
2	CJ	177	79%
2	D1	177	98%
2	D4	177	55%
2	D7	177	29%
2	D8	177	62%
2	D9	177	100%
2	DA	177	25%
2	DF	177	64%
2	DG	177	98%
2	DH	177	50%
2	DI	177	100%
2	DK	177	99%
2	E5	177	79%
2	EJ	177	76%
2	F1	177	98%
2	F4	177	22%
2	F7	177	40%
2	F8	177	31%
2	F9	177	96%
2	FA	177	48%
2	FF	177	35%

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Mol	Chain	Length	Quality of chain
2	FG	177	99% 98%
2	FH	177	26% 98%
2	FI	177	99% 98%
2	FK	177	100% 98%
2	G5	177	93% 99%
2	GA	177	53% 99%
2	GJ	177	94% 99%
2	H1	177	95% 98%
2	H4	177	50% 98%
2	H7	177	60% 99%
2	H8	177	44% 99%
2	H9	177	99% 99%
2	HA	177	55% 94% 5%
2	HF	177	47% 99%
2	HG	177	98% 98%
2	HH	177	49% 99%
2	HI	177	100% 99%
2	HK	177	95% 98%
2	I5	177	59% 98%
2	IA	177	24% 97%
2	IJ	177	57% 98%
2	J1	177	99% 99%
2	J4	177	38% 99%
2	J7	177	23% 96%
2	J8	177	44% 98%

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Mol	Chain	Length	Quality of chain
2	J9	177	100% 99%
2	JF	177	47% 98%
2	JG	177	99%
2	JH	177	44% 99%
2	JI	177	100% 98%
2	JK	177	99%
2	K5	177	93% 99%
2	KJ	177	92% 99%
2	L1	177	98% 99%
2	L4	177	26% 99%
2	L7	177	36% 99%
2	L8	177	40% 98%
2	L9	177	99%
2	LA	177	88% 95%
2	LF	177	41% 98%
2	LG	177	93% 98%
2	LH	177	24% 98%
2	LI	177	100% 99%
2	LK	177	99%
2	M5	177	81% 99%
2	MA	177	59% 97%
2	MJ	177	83% 99%
2	N1	177	58% 99%
2	N4	177	17% 97%
2	N7	177	36% 98%

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Mol	Chain	Length	Quality of chain
2	N8	177	79% 99%
2	NA	177	25% 80% 18%
2	NF	177	76% 99%
2	NH	177	13% 97%
2	NK	177	53% 99%
2	O5	177	100% 98%
2	O9	177	99% 99%
2	OA	177	47% 99%
2	OG	177	99% 97%
2	OI	177	100% 98%
2	OJ	177	100% 98%
2	P1	177	59% 98%
2	P2	177	75% 98%
2	P4	177	79% 99%
2	P6	177	46% 100%
2	P7	177	32% 98%
2	P8	177	67% 99%
2	PA	177	34% 98%
2	PB	177	42% 100%
2	PC	177	71% 99%
2	PD	177	36% 98%
2	PE	177	33% 98%
2	PF	177	60% 99%
2	PH	177	75% 99%
2	PK	177	56% 97%

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Mol	Chain	Length	Quality of chain
2	Q5	177	100% 97%
2	Q9	177	100% 99%
2	QA	177	54% 97%
2	QG	177	99% 95%
2	QI	177	100% 98%
2	QJ	177	100% 97%
2	R1	177	50% 99%
2	R2	177	95% 99%
2	R4	177	51% 99%
2	R6	177	24% 99%
2	R7	177	44% 98%
2	R8	177	58% 99%
2	RA	177	88% 97%
2	RB	177	22% 99%
2	RC	177	96% 99%
2	RD	177	59% 99%
2	RE	177	51% 99%
2	RF	177	58% 99%
2	RH	177	51% 98%
2	RK	177	51% 99%
2	S5	177	100% 99%
2	S9	177	98% 98%
2	SA	177	24% 98%
2	SG	177	99% 97%
2	SI	177	100% 99%

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Mol	Chain	Length	Quality of chain
2	SJ	177	100% 99%
2	T1	177	32% 99%
2	T2	177	82% 99%
2	T4	177	56% 99%
2	T6	177	37% 99%
2	T7	177	60% 98%
2	T8	177	46% 99%
2	TB	177	40% 99%
2	TC	177	86% 99%
2	TD	177	36% 99%
2	TE	177	37% 99%
2	TF	177	44% 99%
2	TH	177	53% 98%
2	TK	177	28% 99%
2	U5	177	100% 98%
2	U9	177	100% 99%
2	UG	177	96% 98%
2	UI	177	100% 99%
2	UJ	177	100% 98%
2	V1	177	75% 99%
2	V2	177	90% 94% 5%
2	V4	177	77% 98%
2	V6	177	27% 97%
2	V7	177	23% 97%
2	V8	177	68% 98%

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Mol	Chain	Length	Quality of chain
2	VA	177	84% 97%
2	VB	177	21% 97%
2	VC	177	91% 93% 7%
2	VD	177	60% 98%
2	VE	177	64% 98%
2	VF	177	66% 98%
2	VH	177	75% 98%
2	VK	177	75% 99%
2	W5	177	100% 96%
2	W9	177	98% 99%
2	WG	177	100% 98%
2	WI	177	100% 98%
2	WJ	177	100% 96%
2	X1	177	55% 99%
2	X4	177	45% 98%
2	X7	177	37% 98%
2	X8	177	40% 99%
2	XA	177	77% 99%
2	XF	177	40% 99%
2	XH	177	44% 99%
2	XK	177	55% 99%
2	Y2	177	90% 99%
2	Y5	177	100% 99%
2	Y6	177	34% 99%
2	Y9	177	100% 99%

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Mol	Chain	Length	Quality of chain
2	YA	177	54% 97%
2	YB	177	34% 98%
2	YC	177	91% 99%
2	YD	177	30% 99%
2	YE	177	30% 99%
2	YG	177	91% 98%
2	YI	177	100% 99%
2	YJ	177	100% 99%
2	Z4	177	30% 99%
2	Z8	177	99% 97%
2	ZA	177	85% 85% 14%
2	ZF	177	98% 97%
2	ZH	177	28% 98%
2	a2	177	97% 99%
2	a6	177	20% 97%
2	aA	177	40% 97%
2	aB	177	19% 97%
2	aC	177	97% 99%
2	aD	177	58% 99%
2	aE	177	54% 99%
2	b8	177	92% 99%
2	bA	177	84% 99%
2	bF	177	90% 99%
2	c2	177	99% 98%
2	c4	177	95% 99%

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Mol	Chain	Length	Quality of chain
2	c6	177	82% 99%
2	cB	177	82% 99%
2	cC	177	99% 98%
2	cD	177	84% 99%
2	cE	177	81% 99%
2	cH	177	96% 99%
2	d8	177	98% 97%
2	dA	177	78% 99%
2	dF	177	96% 98%
2	e2	177	100% 98%
2	e4	177	69% 99%
2	e6	177	64% 99%
2	eA	177	62% 99%
2	eB	177	60% 99%
2	eC	177	100% 98%
2	eD	177	83% 98%
2	eE	177	85% 99%
2	eH	177	69% 99%
2	f8	177	89% 99%
2	fF	177	88% 99%
2	g2	177	100% 99%
2	g4	177	100% 99%
2	g6	177	83% 99%
2	gA	177	86% 77% 8% 14%
2	gB	177	84% 99%

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Mol	Chain	Length	Quality of chain
2	gC	177	99% 99%
2	gD	177	85% 98%
2	gE	177	84% 98%
2	gH	177	99% 99%
2	h8	177	99% 99%
2	hF	177	99% 99%
2	i2	177	100% 97%
2	i4	177	95% 99%
2	i6	177	69% 99%
2	iB	177	66% 99%
2	iC	177	100% 97%
2	iD	177	89% 99%
2	iE	177	89% 99%
2	iH	177	94% 99%
2	j8	177	88% 99%
2	jF	177	84% 99%
2	k2	177	100% 98%
2	k4	177	98% 99%
2	k6	177	84% 90% 10%
2	kB	177	76% 96%
2	kC	177	100% 98%
2	kD	177	78% 97%
2	kE	177	77% 99%
2	kH	177	95% 99%
2	l8	177	100% 97%

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Mol	Chain	Length	Quality of chain
2	lF	177	100% 97% .
2	m2	177	100% 97% ..
2	m4	177	89% 98% .
2	m6	177	68% 99% .
2	mB	177	67% 99% .
2	mC	177	100% 97% ..
2	mD	177	89% 99% .
2	mE	177	87% 99% .
2	mH	177	88% 99% .
2	n8	177	100% 97% .
2	nF	177	100% 97% .
2	p8	177	100% 98% .
2	pF	177	100% 98% .
2	r8	177	100% 97% .
2	rF	177	100% 97% .
2	t8	177	100% 99% .
2	tF	177	100% 99% .
2	v8	177	100% 98% .
2	vF	177	100% 98% .
3	A1	164	99% 98% .
3	A7	164	27% 100%
3	A8	164	65% 99% .
3	A9	164	100% 95% ..
3	AF	164	62% 99% .
3	AG	164	100% 99% .

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Mol	Chain	Length	Quality of chain
3	AI	164	100% 96%
3	AK	164	100% 98%
3	B5	164	85% 99%
3	BJ	164	83% 99%
3	C1	164	99% 100%
3	C4	164	35% 99%
3	C7	164	55% 100%
3	C8	164	57% 98%
3	C9	164	100% 95%
3	CF	164	62% 98%
3	CG	164	99% 99%
3	CH	164	32% 99%
3	CI	164	100% 96%
3	CK	164	99% 100%
3	D5	164	67% 98%
3	DJ	164	70% 98%
3	E1	164	99% 99%
3	E4	164	48% 100%
3	E7	164	63% 100%
3	E8	164	49% 99%
3	E9	164	99% 95%
3	EF	164	54% 98%
3	EG	164	100% 99%
3	EH	164	50% 100%
3	EI	164	100% 95%

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Mol	Chain	Length	Quality of chain
3	EK	164	99% 98%
3	F5	164	73% 99%
3	FJ	164	74% 99%
3	G1	164	100% 99%
3	G4	164	66% 99%
3	G7	164	59% 100%
3	G8	164	37% 98%
3	G9	164	99% 94% 5%
3	GF	164	38% 98%
3	GG	164	98% 99%
3	GH	164	63% 99%
3	GI	164	100% 96%
3	GK	164	99% 99%
3	H5	164	80% 100%
3	HJ	164	80% 100%
3	I1	164	98% 98%
3	I4	164	43% 100%
3	I7	164	40% 99%
3	I8	164	38% 96%
3	I9	164	99% 95%
3	IF	164	37% 96%
3	IG	164	99% 99%
3	IH	164	46% 99%
3	II	164	100% 96%
3	IK	164	99% 98%

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Mol	Chain	Length	Quality of chain
3	J5	164	91% 100%
3	JA	164	32% 93% 7%
3	JJ	164	92% 100%
3	K1	164	100% 99%
3	K4	164	38% 100%
3	K7	164	23% 99%
3	K8	164	52% 99%
3	K9	164	100% 95%
3	KF	164	53% 99%
3	KG	164	99% 99%
3	KH	164	31% 99%
3	KI	164	100% 96%
3	KK	164	99% 99%
3	L5	164	88% 99%
3	LJ	164	86% 99%
3	M1	164	74% 99%
3	M4	164	19% 99%
3	M7	164	27% 100%
3	M8	164	79% 100%
3	MF	164	77% 100%
3	MH	164	19% 99%
3	MK	164	68% 99%
3	N5	164	100% 99%
3	N9	164	100% 95%
3	NG	164	100% 99%

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Mol	Chain	Length	Quality of chain
3	NI	164	100% 96%
3	NJ	164	100% 99%
3	O1	164	41% 98%
3	O2	164	91% 99%
3	O4	164	68% 99%
3	O6	164	44% 100%
3	O7	164	55% 100%
3	O8	164	70% 100%
3	OB	164	40% 100%
3	OC	164	93% 99%
3	OD	164	40% 99%
3	OE	164	40% 99%
3	OF	164	68% 99%
3	OH	164	63% 99%
3	OK	164	48% 98%
3	P5	164	100% 100%
3	P9	164	100% 95%
3	PG	164	99% 99%
3	PI	164	100% 96%
3	PJ	164	100% 100%
3	Q1	164	39% 99%
3	Q2	164	88% 99%
3	Q4	164	73% 99%
3	Q6	164	29% 99%
3	Q7	164	58% 99%

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Mol	Chain	Length	Quality of chain
3	Q8	164	63% 99%
3	QB	164	29% 99%
3	QC	164	90% 99%
3	QD	164	54% 99%
3	QE	164	46% 99%
3	QF	164	63% 99%
3	QH	164	77% 99%
3	QK	164	41% 99%
3	R5	164	100% 99%
3	R9	164	100% 95%
3	RG	164	100% 99%
3	RI	164	100% 96%
3	RJ	164	100% 99%
3	S1	164	41% 100%
3	S2	164	83% 99%
3	S4	164	80% 99%
3	S6	164	33% 100%
3	S7	164	59% 99%
3	S8	164	50% 99%
3	SB	164	32% 100%
3	SC	164	84% 99%
3	SD	164	57% 99%
3	SE	164	55% 99%
3	SF	164	50% 99%
3	SH	164	83% 99%

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Mol	Chain	Length	Quality of chain
3	SK	164	46% 100%
3	T5	164	100% 98%
3	T9	164	99% 95%
3	TA	164	34% 93% 7%
3	TG	164	98% 99%
3	TI	164	100% 96%
3	TJ	164	100% 98%
3	U1	164	66% 99%
3	U2	164	94% 99%
3	U4	164	60% 99%
3	U6	164	30% 100%
3	U7	164	38% 100%
3	U8	164	57% 99%
3	UB	164	27% 100%
3	UC	164	94% 99%
3	UD	164	54% 100%
3	UE	164	52% 100%
3	UF	164	48% 99%
3	UH	164	56% 99%
3	UK	164	68% 99%
3	V5	164	100% 99%
3	V9	164	98% 95%
3	VG	164	99% 99%
3	VI	164	100% 96%
3	VJ	164	100% 99%

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Mol	Chain	Length	Quality of chain
3	W1	164	71% 100%
3	W2	164	95% 99%
3	W4	164	25% 99%
3	W6	164	37% 99%
3	W7	164	21% 98%
3	W8	164	63% 99%
3	WB	164	32% 99%
3	WC	164	96% 99%
3	WD	164	46% 100%
3	WE	164	44% 100%
3	WF	164	60% 99%
3	WH	164	27% 100%
3	WK	164	71% 100%
3	X5	164	100% 98%
3	X9	164	100% 95%
3	XG	164	100% 99%
3	XI	164	100% 96%
3	XJ	164	100% 98%
3	Y4	164	38% 99%
3	Y8	164	99% 100%
3	YF	164	98% 100%
3	YH	164	35% 98%
3	Z2	164	99% 99%
3	Z6	164	26% 100%
3	ZB	164	28% 100%

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Mol	Chain	Length	Quality of chain
3	ZC	164	96% 99%
3	ZD	164	43% 99%
3	ZE	164	43% 100%
3	a4	164	91% 99%
3	a8	164	95% 99%
3	aF	164	91% 99%
3	aH	164	93% 98%
3	b2	164	100% 99%
3	b6	164	80% 99%
3	bB	164	79% 99%
3	bC	164	100% 99%
3	bD	164	76% 95%
3	bE	164	81% 99%
3	c8	164	96% 98%
3	cF	164	93% 98%
3	d2	164	99% 97%
3	d4	164	95% 99%
3	d6	164	78% 100%
3	dB	164	77% 100%
3	dC	164	100% 97%
3	dD	164	88% 99%
3	dE	164	87% 99%
3	dH	164	91% 99%
3	e8	164	97% 98%
3	eF	164	93% 98%

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Mol	Chain	Length	Quality of chain
3	f2	164	99% 98%
3	f4	164	99% 99%
3	f6	164	82% 100%
3	fB	164	82% 100%
3	fC	164	100% 98%
3	fD	164	89% 99%
3	fE	164	87% 99%
3	fH	164	99% 99%
3	g8	164	92% 100%
3	gF	164	92% 99%
3	h2	164	99% 98%
3	h4	164	98% 99%
3	h6	164	73% 100%
3	hB	164	76% 100%
3	hC	164	100% 98%
3	hD	164	91% 99%
3	hE	164	88% 99%
3	hH	164	99% 99%
3	i8	164	93% 98%
3	iF	164	91% 98%
3	j2	164	100% 98%
3	j4	164	98% 99%
3	j6	164	81% 100%
3	jB	164	83% 100%
3	jC	164	100% 98%

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Mol	Chain	Length	Quality of chain
3	jD	164	85% 100%
3	jE	164	79% 100%
3	jH	164	99% 100%
3	k8	164	100% 99%
3	kF	164	100% 99%
3	l2	164	100% 96%
3	l4	164	73% 99%
3	l6	164	76% 95% 5%
3	lB	164	73% 99%
3	lC	164	100% 96%
3	lD	164	81% 85% 8% 5%
3	lE	164	82% 95% 5%
3	lH	164	77% 99%
3	m8	164	100% 98%
3	mF	164	100% 98%
3	o8	164	100% 99%
3	oF	164	100% 99%
3	q8	164	100% 98%
3	qF	164	100% 98%
3	s8	164	100% 98%
3	sF	164	100% 98%
3	u8	164	100% 99%
3	uF	164	100% 99%
4	KA	261	58% 66% 18% 13%
4	UA	261	57% 67% 18% 13%

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Mol	Chain	Length	Quality of chain
5	WA	317	36% 33% 9% 56%
5	cA	317	38% 35% 8% 56%
6	A2	290	89% 88% 11%
6	A5	290	88% 87% 12%
6	A6	290	67% 89% 11%
6	AB	290	60% 89% 11%
6	AC	290	88% 88% 11%
6	AD	290	68% 88% 11%
6	AE	290	68% 88% 11%
6	AJ	290	88% 87% 12%
6	Y1	290	80% 81% 18%
6	YK	290	80% 81% 18%
7	B2	232	53% 96% ..
7	B6	232	25% 89% 10% .
7	BB	232	23% 88% 9% ..
7	BC	232	57% 96% ..
7	BD	232	33% 95% ..
7	BE	232	27% 91% 7% ..
8	C2	162	81% 99% .
8	C6	162	21% 99% .
8	CB	162	21% 99% .
8	CC	162	83% 99% .
8	CD	162	38% 100%
8	CE	162	35% 100%
8	E2	162	34% 100%

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Mol	Chain	Length	Quality of chain
8	E6	162	28% 99%
8	EB	162	32% 100%
8	EC	162	33% 100%
8	ED	162	33% 100%
8	EE	162	33% 100%
8	G2	162	76% 99%
8	G6	162	21% 99%
8	GB	162	22% 99%
8	GC	162	75% 99%
8	GD	162	20% 100%
8	GE	162	20% 100%
8	I2	162	56% 100%
8	I6	162	38% 100%
8	IB	162	34% 100%
8	IC	162	59% 100%
8	ID	162	26% 100%
8	IE	162	26% 100%
8	K2	162	62% 99%
8	K6	162	40% 99%
8	KB	162	39% 99%
8	KC	162	62% 99%
8	KD	162	41% 99%
8	KE	162	43% 100%
8	M2	162	80% 99%
8	M6	162	25% 99%

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Mol	Chain	Length	Quality of chain
8	MB	162	22% 99%
8	MC	162	80% 99%
8	MD	162	27% 100%
8	ME	162	25% 100%
9	D2	172	84% 99%
9	D6	172	17% 98%
9	DB	172	15% 98%
9	DC	172	82% 99%
9	DD	172	28% 99%
9	DE	172	24% 99%
9	F2	172	60% 99%
9	F6	172	23% 98%
9	FB	172	24% 98%
9	FC	172	59% 99%
9	FD	172	31% 98%
9	FE	172	34% 98%
9	H2	172	60% 97%
9	H6	172	22% 98%
9	HB	172	22% 98%
9	HC	172	60% 93% 7%
9	HD	172	27% 99%
9	HE	172	22% 99%
9	J2	172	66% 94% 6%
9	J6	172	33% 99%
9	JB	172	33% 99%

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Mol	Chain	Length	Quality of chain
9	JC	172	61% 90% 9%
9	JD	172	30% 96% ..
9	JE	172	27% 94% 5%
9	L2	172	48% 99% .
9	L6	172	40% 93% 5% ..
9	LB	172	43% 98% .
9	LC	172	46% 99% .
9	LD	172	37% 98% .
9	LE	172	38% 98% .
9	N2	172	72% 99% .
9	N6	172	30% 97% ..
9	NB	172	31% 97% ...
9	NC	172	77% 99% .
9	ND	172	36% 96% .
9	NE	172	39% 99% .
10	X2	363	74% 88% 11%
10	X6	363	19% 88% 11%
10	XB	363	18% 88% 11%
10	XC	363	72% 88% 11%
10	XD	363	28% 88% 11%
10	XE	363	25% 88% 11%
11	MG	316	78% 74% 9% 16%
11	ZG	316	77% 75% 9% 16%
12	A4	273	82% 86% 13%
12	AH	273	81% 86% 13%

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Mol	Chain	Length	Quality of chain
12	w8	273	79% 87% 13%
12	wF	273	79% 87% 13%
12	x8	273	87% 87% 13%
12	xF	273	87% 87% 13%
13	B4	290	48% 86% 14%
13	BH	290	48% 86% 14%
13	y8	290	45% 86% 14%
13	yF	290	42% 86% 14%
14	M9	333	70% 66% 5% 29%
14	MI	333	80% 70% 9% 17%
14	Z9	333	70% 66% 5% 29%
14	ZI	333	79% 69% 11% 17%
15	e1	303	40% 82% 18%
15	eK	303	44% 82% 18%
16	23	159	28% 74% 9% 17%
16	Z3	159	33% 76% 6% 17%
17	33	288	24% 81% 7% 12%
17	a3	288	22% 79% 8% 12%
18	43	253	21% 74% 7% 19%
18	b3	253	22% 72% 9% 19%
19	A3	161	34% 93% 7%
19	C3	161	24% 93% 7%
19	E3	161	27% 93% 7%
19	G3	161	20% 93% 7%
19	J3	161	24% 92% 7%

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Mol	Chain	Length	Quality of chain
19	K3	161	28% 93% 7% .
19	N3	161	22% 93% 7% .
19	P3	161	20% 91% 8% ..
19	R3	161	24% 93% 7% .
19	T3	161	19% 93% 7% .
19	c3	161	35% 93% 7% .
19	e3	161	25% 93% 7% .
19	g3	161	23% 93% 7% .
19	i3	161	21% 93% 7% .
19	l3	161	24% 93% 7% .
19	m3	161	27% 92% 7% .
19	p3	161	21% 93% 7% .
19	r3	161	19% 89% 9% ...
19	t3	161	24% 93% 7% .
19	v3	161	14% 93% 6% .
20	B3	161	15% 94% 5% .
20	D3	161	21% 95% . .
20	F3	161	22% 95% . .
20	H3	161	20% 95% . .
20	I3	161	17% 95% . .
20	L3	161	16% 90% 8% .
20	M3	161	33% 94% 5% .
20	O3	161	20% 91% 7% ..
20	Q3	161	13% 91% 8% .
20	S3	161	14% 95% . .

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Mol	Chain	Length	Quality of chain
20	U3	161	13% 95% ..
20	d3	161	19% 95% ..
20	f3	161	24% 95% ..
20	h3	161	19% 95% ..
20	j3	161	17% 95% ..
20	k3	161	15% 95% ..
20	n3	161	19% 91% 6% .
20	o3	161	31% 95% ..
20	q3	161	20% 94% 6%
20	s3	161	14% 93% 6% .
20	u3	161	14% 95% ..
20	w3	161	11% 95% ..
21	V3	161	22% 96% ..
21	x3	161	22% 96% ..
22	W3	173	14% 96% .
22	y3	173	14% 96% .
23	X3	93	17% 97% ..
23	z3	93	18% 97% ..
24	63	879	22% 97% ..
24	73	879	24% 97% ..
25	b4	490	26% 81% . 17%
25	bH	490	27% 81% . 17%
26	d5	333	61% 81% . 14%
26	dJ	333	60% 81% 5% 14%
27	Y7	420	33% 75% 11% . 11%

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Mol	Chain	Length	Quality of chain
27	b7	420	
28	z8	498	
28	zF	498	
29	fA	288	
29	hA	288	
30	53	162	
30	Y3	162	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
20	MEN	B3	71	-	X	-	-
20	MEN	D3	71	-	X	-	-
20	MEN	F3	71	-	X	-	-
20	MEN	H3	71	-	X	-	-
20	MEN	I3	71	-	X	-	-
20	MEN	L3	71	-	X	-	-
20	MEN	M3	71	-	X	-	-
20	MEN	O3	71	-	X	-	-
20	MEN	Q3	71	-	X	-	-
20	MEN	S3	71	-	X	-	-
20	MEN	U3	71	-	X	-	-
20	MEN	d3	71	-	X	-	-
20	MEN	f3	71	-	X	-	-
20	MEN	h3	71	-	X	-	-
20	MEN	j3	71	-	X	-	-
20	MEN	k3	71	-	X	-	-
20	MEN	n3	71	-	X	-	-
20	MEN	o3	71	-	X	-	-
20	MEN	s3	71	-	X	-	-
20	MEN	u3	71	-	X	-	-
20	MEN	w3	71	-	X	-	-

2 Entry composition [i](#)

There are 33 unique types of molecules in this entry. The entry contains 1032373 atoms, of which 1824 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Linker4.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
1	AA	103	774	492	129	150	3	0	0
1	EA	103	778	495	130	150	3	0	0

- Molecule 2 is a protein called B-phycoerythrin beta chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	BA	177	1294	800	225	257	12	0	0
2	CA	177	1294	800	225	257	12	0	0
2	DA	146	1065	654	187	213	11	0	0
2	FA	177	1294	800	225	257	12	0	0
2	GA	177	1294	800	225	257	12	0	0
2	HA	174	1270	785	222	252	11	0	0
2	IA	177	1294	800	225	257	12	0	0
2	LA	177	1290	797	224	257	12	0	0
2	MA	177	1294	800	225	257	12	0	0
2	NA	146	1056	650	184	211	11	0	0
2	OA	177	1294	800	225	257	12	0	0
2	PA	177	1294	800	225	257	12	0	0
2	QA	174	1270	785	222	252	11	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	RA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	SA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	VA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	XA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	YA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	ZA	152	Total 1111	C 687	N 194	O 219	S 11	0	0
2	PB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	RB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	TB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	VB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	YB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	PC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	RC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	TC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	VC	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	YC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	PD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	RD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	TD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	VD	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	YD	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	PE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	RE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	TE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	VE	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	YE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	BF	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	DF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	FF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	HF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	JF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	LF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	NF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	PF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	RF	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	TF	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	VF	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	XF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	ZF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	BG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	DG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	FG	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	HG	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	JG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	LG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	OG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	QG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	SG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	UG	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	WG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	YG	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	DH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	FH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	HH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	JH	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	LH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	NH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	PH	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	RH	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	TH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	VH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	XH	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	ZH	177	Total 1303	C 806	N 225	O 260	S 12	3	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	BI	177	Total 1291	C 799	N 224	O 256	S 12	0	0
2	DI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	FI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	HI	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	JI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	LI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	OI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	QI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	SI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	UI	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	WI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	YI	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	CJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	EJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	GJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	IJ	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	KJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	MJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	OJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	QJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	SJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	UJ	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	WJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	YJ	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	BK	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	DK	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	FK	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	HK	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	JK	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	LK	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	NK	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	PK	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	RK	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	TK	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	VK	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	XK	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	B1	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	D1	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	F1	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	H1	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	J1	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	L1	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	N1	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	P1	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	R1	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	T1	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	V1	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	X1	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	P2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	R2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	T2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	V2	177	Total 1296	C 801	N 224	O 259	S 12	2	0
2	Y2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	g2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	i2	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	k2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	m2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	a2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	c2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	e2	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	D4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	F4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	H4	177	Total 1303	C 806	N 225	O 260	S 12	3	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	J4	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	L4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	N4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	P4	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	R4	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	T4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	V4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	X4	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	Z4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	c4	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	e4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	g4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	i4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	k4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	m4	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	M5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	O5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	Q5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	S5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	U5	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	C5	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	E5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	G5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	I5	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	K5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	W5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	Y5	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	P6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	R6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	T6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	V6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	Y6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	i6	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	k6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	m6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	a6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	c6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	e6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	g6	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	B7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	D7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	F7	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	H7	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	J7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	L7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	N7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	P7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	R7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	T7	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	V7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	X7	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	V8	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	X8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	Z8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	B8	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	D8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	F8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	H8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	J8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	L8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	N8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	P8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	R8	177	Total 1300	C 804	N 225	O 259	S 12	2	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	T8	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	b8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	d8	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	f8	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	h8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	j8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	l8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	n8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	p8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	r8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	t8	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	v8	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	B9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	D9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	F9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	H9	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	J9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	L9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	O9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	Q9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	S9	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	U9	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	W9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	Y9	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	aA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	bA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	dA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	eA	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	gA	152	Total 1101	C 678	N 193	O 219	S 11	0	0
2	iB	177	Total 1297	C 802	N 225	O 258	S 12	1	0
2	kB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	mB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	aB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	cB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	eB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	gB	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	gC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	iC	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	kC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	mC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	aC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	cC	177	Total 1294	C 800	N 225	O 257	S 12	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	eC	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	aD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	cD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	eD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	gD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	iD	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	kD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	mD	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	aE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	cE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	eE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	gE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	iE	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	kE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	mE	177	Total 1294	C 800	N 225	O 257	S 12	0	0
2	bF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	dF	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	fF	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	hF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	jF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	lF	177	Total 1303	C 806	N 225	O 260	S 12	3	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	nF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	pF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	rF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	tF	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	vF	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	cH	177	Total 1300	C 804	N 225	O 259	S 12	2	0
2	eH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	gH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	iH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	kH	177	Total 1303	C 806	N 225	O 260	S 12	3	0
2	mH	177	Total 1303	C 806	N 225	O 260	S 12	3	0

- Molecule 3 is a protein called Phycoerythrin alpha subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
3	JA	164	Total 1250	C 779	N 219	O 245	S 7	0	0
3	TA	164	Total 1250	C 779	N 219	O 245	S 7	0	0
3	OB	164	Total 1250	C 779	N 219	O 245	S 7	0	0
3	QB	164	Total 1250	C 779	N 219	O 245	S 7	0	0
3	SB	164	Total 1250	C 779	N 219	O 245	S 7	0	0
3	UB	164	Total 1250	C 779	N 219	O 245	S 7	0	0
3	WB	164	Total 1250	C 779	N 219	O 245	S 7	0	0
3	ZB	164	Total 1250	C 779	N 219	O 245	S 7	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	OC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	QC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	SC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	UC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	WC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	ZC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	OD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	QD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	SD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	UD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	WD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	ZD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	OE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	QE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	SE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	UE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	WE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	ZE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	AF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	CF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	EF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	GF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	IF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	KF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	MF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	OF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	QF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	SF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	UF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	WF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	YF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	AG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	CG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	EG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	GG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	IG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	KG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	NG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	PG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	RG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	TG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	VG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	XG	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	CH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	EH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	GH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	IH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	KH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	MH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	OH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	QH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	SH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	UH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	WH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	YH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	AI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	CI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	EI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	GI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	II	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	KI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	NI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	PI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	RI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	TI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	VI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	XI	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	BJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	DJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	FJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	HJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	JJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	LJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	NJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	PJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	RJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	TJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	VJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	XJ	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	AK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	CK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	EK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	GK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	IK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	KK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	MK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	OK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	QK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	SK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	UK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	WK	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	A1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	C1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	E1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	G1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	I1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	K1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	M1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	O1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Q1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	S1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	U1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	W1	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	O2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Q2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	S2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	U2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	W2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Z2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	f2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	h2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	j2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	l2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	b2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	d2	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	C4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	E4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	G4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	I4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	K4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	M4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	O4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Q4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	S4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	U4	164	Total	C	N	O	S	0	0
			1246	776	218	245	7		
3	W4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	Y4	164	Total	C	N	O	S	0	0
			1246	776	218	245	7		
3	a4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	d4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	f4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	h4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	j4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	l4	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	L5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	N5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	P5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	R5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	T5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	B5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	D5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	F5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	H5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	J5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	V5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	X5	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	O6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Q6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	S6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	U6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	W6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Z6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	j6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	l6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	b6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	d6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	f6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	h6	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	A7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	C7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	E7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	G7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	I7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	K7	164	Total	C	N	O	S	0	0
			1246	777	219	243	7		
3	M7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	O7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Q7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	S7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	U7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	W7	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	W8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Y8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	A8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	C8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	E8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	G8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	I8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	K8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	M8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	O8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	Q8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	S8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	U8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	a8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	c8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	e8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	g8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	i8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	k8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	m8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	o8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	q8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	s8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	u8	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	A9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	C9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	E9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	G9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	I9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	K9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	N9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	P9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	R9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	T9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	V9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	X9	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	jB	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	lB	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	bB	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	dB	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	fB	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	hB	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	fC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	hC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	jC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	lC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	bC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	dC	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	bD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	dD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	fD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	hD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	jD	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	lD	164	Total	C	N	O	S	0	0
			1239	770	218	244	7		
3	bE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	dE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	fE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	hE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	jE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	lE	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	aF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	cF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	eF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	gF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	iF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	kF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	mF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	oF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	qF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	sF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	uF	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	aH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	dH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	fH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	hH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	jH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		
3	lH	164	Total	C	N	O	S	0	0
			1250	779	219	245	7		

- Molecule 4 is a protein called CaRSPs1.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	KA	226	Total	C	N	O	S	0	0
			1720	1084	305	322	9		
4	UA	226	Total	C	N	O	S	0	0
			1728	1090	305	325	8		

- Molecule 5 is a protein called CaRSPs2.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	WA	139	Total	C	N	O	S	0	0
			1079	683	184	209	3		
5	cA	139	Total	C	N	O	S	0	0
			1085	686	184	213	2		

- Molecule 6 is a protein called R-phycoerythrin gamma chain, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	AB	257	Total	C	N	O	S	0	0
			1987	1226	368	378	15		
6	AC	257	Total	C	N	O	S	0	0
			1987	1226	368	378	15		
6	AD	257	Total	C	N	O	S	0	0
			1987	1226	368	378	15		
6	AE	257	Total	C	N	O	S	0	0
			1987	1226	368	378	15		
6	AJ	256	Total	C	N	O	S	0	0
			1979	1220	367	377	15		
6	YK	237	Total	C	N	O	S	0	0
			1832	1132	339	346	15		
6	Y1	237	Total	C	N	O	S	0	0
			1832	1132	339	346	15		
6	A2	257	Total	C	N	O	S	0	0
			1987	1226	368	378	15		
6	A5	256	Total	C	N	O	S	0	0
			1979	1220	367	377	15		
6	A6	257	Total	C	N	O	S	0	0
			1987	1226	368	378	15		

- Molecule 7 is a protein called Phycobilisome rod-core linker polypeptide.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	BB	230	Total	C	N	O	S	0	0
			1889	1206	331	348	4		
7	BC	227	Total	C	N	O	S	0	0
			1874	1197	328	345	4		
7	BD	231	Total	C	N	O	S	0	0
			1894	1211	331	348	4		
7	BE	231	Total	C	N	O	S	0	0
			1895	1210	332	349	4		
7	B2	227	Total	C	N	O	S	0	0
			1874	1197	328	345	4		
7	B6	230	Total	C	N	O	S	0	0
			1889	1206	331	348	4		

- Molecule 8 is a protein called C-phycoyanin alpha subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
8	CB	162	1228	773	209	240	6	0	0
8	EB	162	1228	773	209	240	6	0	0
8	GB	162	1228	773	209	240	6	0	0
8	IB	162	1228	773	209	240	6	0	0
8	KB	162	1228	773	209	240	6	0	0
8	MB	162	1228	773	209	240	6	0	0
8	CC	162	1228	773	209	240	6	0	0
8	EC	162	1228	773	209	240	6	0	0
8	GC	162	1228	773	209	240	6	0	0
8	IC	162	1228	773	209	240	6	0	0
8	KC	162	1228	773	209	240	6	0	0
8	MC	162	1228	773	209	240	6	0	0
8	CD	162	1228	773	209	240	6	0	0
8	ED	162	1228	773	209	240	6	0	0
8	GD	162	1228	773	209	240	6	0	0
8	ID	162	1228	773	209	240	6	0	0
8	KD	162	1228	773	209	240	6	0	0
8	MD	162	1228	773	209	240	6	0	0
8	CE	162	1228	773	209	240	6	0	0
8	EE	162	1228	773	209	240	6	0	0
8	GE	162	1228	773	209	240	6	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
8	IE	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	KE	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	ME	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	M2	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	C2	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	E2	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	G2	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	I2	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	K2	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	G6	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	I6	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	K6	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	M6	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	C6	162	Total 1228	C 773	N 209	O 240	S 6	0	0
8	E6	162	Total 1228	C 773	N 209	O 240	S 6	0	0

- Molecule 9 is a protein called C-phycoyanin beta subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
9	DB	172	Total 1272	C 786	N 224	O 253	S 9	0	0
9	FB	172	Total 1272	C 786	N 224	O 253	S 9	0	0
9	HB	172	Total 1272	C 786	N 224	O 253	S 9	0	0
9	JB	172	Total 1272	C 786	N 224	O 253	S 9	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
9	LB	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	NB	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	DC	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	FC	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	HC	172	Total	C	N	O	S	0	0
			1268	784	224	251	9		
9	JC	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	LC	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	NC	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	DD	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	FD	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	HD	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	JD	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	LD	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	ND	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	DE	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	FE	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	HE	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	JE	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	LE	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	NE	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	L2	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
9	N2	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	D2	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	F2	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	H2	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	J2	172	Total	C	N	O	S	0	0
			1268	784	224	251	9		
9	F6	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	H6	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	J6	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	L6	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	N6	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		
9	D6	172	Total	C	N	O	S	0	0
			1272	786	224	253	9		

- Molecule 10 is a protein called Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	XB	324	Total	C	N	O	S	0	0
			2527	1603	431	486	7		
10	XC	324	Total	C	N	O	S	0	0
			2527	1603	431	486	7		
10	XD	324	Total	C	N	O	S	0	0
			2527	1603	431	486	7		
10	XE	324	Total	C	N	O	S	0	0
			2527	1603	431	486	7		
10	X2	324	Total	C	N	O	S	0	0
			2527	1603	431	486	7		
10	X6	324	Total	C	N	O	S	0	0
			2527	1603	431	486	7		

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
XB	275	ALA	SER	conflict	UNP A0A5J4YM59
XC	275	ALA	SER	conflict	UNP A0A5J4YM59
XD	275	ALA	SER	conflict	UNP A0A5J4YM59
XE	275	ALA	SER	conflict	UNP A0A5J4YM59
X2	275	ALA	SER	conflict	UNP A0A5J4YM59
X6	275	ALA	SER	conflict	UNP A0A5J4YM59

- Molecule 11 is a protein called Phycobilisome 27.9 kDa linker polypeptide, phycoerythrin-associated, rod.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	MG	265	Total	C	N	O	S	0	0
			2079	1309	364	396	10		
11	ZG	265	Total	C	N	O	S	0	0
			2085	1313	364	398	10		

- Molecule 12 is a protein called R-phycoerythrin gamma chain, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	AH	238	Total	C	N	O	S	0	0
			1814	1122	335	342	15		
12	A4	238	Total	C	N	O	S	0	0
			1814	1122	335	342	15		
12	w8	238	Total	C	N	O	S	0	0
			1814	1122	335	342	15		
12	x8	238	Total	C	N	O	S	0	0
			1814	1122	335	342	15		
12	wF	238	Total	C	N	O	S	0	0
			1814	1122	335	342	15		
12	xF	238	Total	C	N	O	S	0	0
			1814	1122	335	342	15		

- Molecule 13 is a protein called R-phycoerythrin gamma chain, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	BH	250	Total	C	N	O	S	0	0
			1902	1184	346	358	14		
13	B4	250	Total	C	N	O	S	0	0
			1902	1184	346	358	14		
13	y8	250	Total	C	N	O	S	0	0
			1902	1184	346	358	14		
13	yF	250	Total	C	N	O	S	0	0
			1902	1184	346	358	14		

- Molecule 14 is a protein called R-phycoerythrin gamma chain, chloroplastic.

Mol	Chain	Residues	Atoms					AltConf	Trace
14	MI	275	Total	C	N	O	S	0	0
			2142	1324	401	401	16		
14	ZI	275	Total	C	N	O	S	0	0
			2148	1327	404	401	16		
14	M9	238	Total	C	N	O	S	0	0
			1851	1140	348	348	15		
14	Z9	238	Total	C	N	O	S	0	0
			1847	1137	347	348	15		

- Molecule 15 is a protein called Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod.

Mol	Chain	Residues	Atoms					AltConf	Trace
15	eI	248	Total	C	N	O	S	0	0
			1932	1217	336	369	10		
15	eK	248	Total	C	N	O	S	0	0
			1932	1217	336	369	10		

- Molecule 16 is a protein called Lrc4.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	23	132	Total	C	N	O	S	0	0
			1004	631	179	191	3		
16	Z3	132	Total	C	N	O	S	0	0
			1004	631	179	191	3		

- Molecule 17 is a protein called LRC5.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	33	253	Total	C	N	O	S	0	0
			1897	1190	325	375	7		
17	a3	253	Total	C	N	O	S	0	0
			1897	1190	325	375	7		

- Molecule 18 is a protein called FAS1 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	43	206	Total	C	N	O	S	0	0
			1532	982	259	286	5		
18	b3	206	Total	C	N	O	S	0	0
			1532	982	259	286	5		

- Molecule 19 is a protein called Allophycocyanin alpha subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	A3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	C3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	E3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	G3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	J3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	K3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	N3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	P3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	R3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	T3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	c3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	e3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	g3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	i3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	l3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	m3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	p3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	r3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	t3	160	Total	C	N	O	S	0	0
			1225	768	211	239	7		
19	v3	160	Total	C	N	O	S	0	0
			1217	764	211	235	7		

- Molecule 20 is a protein called Allophycocyanin beta subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
20	B3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	D3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	F3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	H3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	I3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	L3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	M3	161	Total	C	N	O	S	0	0
			1216	764	205	240	7		
20	O3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	Q3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	S3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	U3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	d3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	f3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	h3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	j3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	k3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	n3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	o3	161	Total	C	N	O	S	0	0
			1216	764	205	240	7		
20	q3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	s3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	u3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		
20	w3	161	Total	C	N	O	S	0	0
			1220	767	206	240	7		

- Molecule 21 is a protein called Allophycocyanin gamma subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
21	V3	160	Total	C	N	O	S	0	0
			1260	808	207	240	5		
21	x3	160	Total	C	N	O	S	0	0
			1260	808	207	240	5		

- Molecule 22 is a protein called Allophycocyanin beta 18 subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
22	W3	173	Total	C	N	O	S	0	0
			1376	881	230	261	4		
22	y3	173	Total	C	N	O	S	0	0
			1376	881	230	261	4		

- Molecule 23 is a protein called Phycobilisome 7.8 kDa linker polypeptide, allophycocyanin-associated, core.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
23	X3	92	Total	C	N	O	S	0	0
			720	453	127	135	5		
23	z3	92	Total	C	N	O	S	0	0
			720	453	127	135	5		

- Molecule 24 is a protein called Phycobiliprotein ApcE.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
24	63	868	Total	C	N	O	S	0	0
			6933	4434	1198	1286	15		
24	73	865	Total	C	N	O	S	0	0
			6910	4422	1195	1278	15		

- Molecule 25 is a protein called Phycobilisome 32.1 kDa linker polypeptide, phycocyanin-associated, rod.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
25	b4	405	Total	C	N	O	S	0	0
			3086	1945	536	590	15		
25	bH	407	Total	C	N	O	S	0	0
			3089	1949	538	590	12		

- Molecule 26 is a protein called Phycobilisome 27.9 kDa linker polypeptide, phycoerythrin-associated, rod.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
26	d5	285	2203	1367	390	435	11	0	0
26	dJ	285	2203	1367	390	435	11	0	0

- Molecule 27 is a protein called Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
27	b7	372	2828	1778	483	555	12	0	0
27	Y7	372	2832	1779	483	557	13	0	0

- Molecule 28 is a protein called Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
28	z8	463	3622	2288	637	682	15	0	0
28	zF	462	3610	2281	636	678	15	0	0

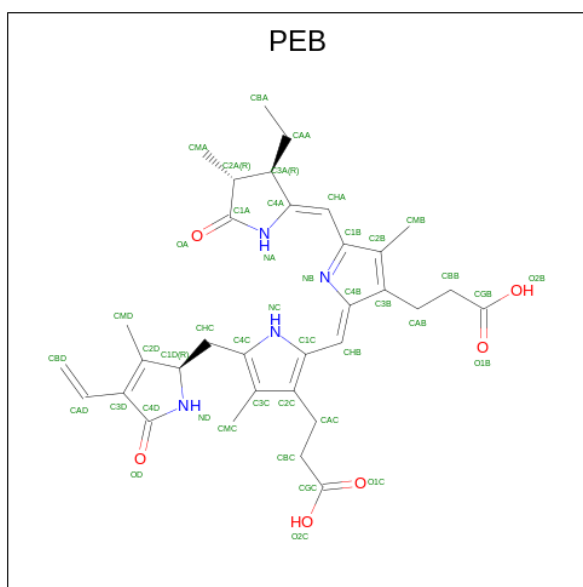
- Molecule 29 is a protein called FAS1 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
29	fA	285	2182	1399	369	404	10	0	0
29	hA	285	2178	1396	368	404	10	0	0

- Molecule 30 is a protein called LPP2.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
30	Y3	61	415	256	77	79	3	0	0
30	53	57	369	230	70	66	3	0	0

- Molecule 31 is PHYCOERYTHROBILIN (three-letter code: PEB) (formula: C₃₃H₄₀N₄O₆).



Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	AA	1	43	33	4	6	0
31	BA	1	43	33	4	6	0
31	BA	1	43	33	4	6	0
31	BA	1	43	33	4	6	0
31	CA	1	43	33	4	6	0
31	CA	1	43	33	4	6	0
31	DA	1	43	33	4	6	0
31	DA	1	43	33	4	6	0
31	DA	1	43	33	4	6	0
31	EA	1	43	33	4	6	0
31	FA	1	43	33	4	6	0
31	GA	1	43	33	4	6	0
31	GA	1	43	33	4	6	0
31	GA	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	HA	1	43	33	4	6	0
31	HA	1	43	33	4	6	0
31	HA	1	43	33	4	6	0
31	IA	1	43	33	4	6	0
31	IA	1	43	33	4	6	0
31	IA	1	43	33	4	6	0
31	JA	1	43	33	4	6	0
31	JA	1	43	33	4	6	0
31	KA	1	43	33	4	6	0
31	KA	1	43	33	4	6	0
31	KA	1	43	33	4	6	0
31	KA	1	43	33	4	6	0
31	LA	1	43	33	4	6	0
31	MA	1	43	33	4	6	0
31	MA	1	43	33	4	6	0
31	NA	1	43	33	4	6	0
31	NA	1	43	33	4	6	0
31	NA	1	43	33	4	6	0
31	OA	1	43	33	4	6	0
31	PA	1	43	33	4	6	0
31	QA	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	QA	1	Total 43	C 33	N 4	O 6	0
31	QA	1	Total 43	C 33	N 4	O 6	0
31	QA	1	Total 43	C 33	N 4	O 6	0
31	RA	1	Total 43	C 33	N 4	O 6	0
31	RA	1	Total 43	C 33	N 4	O 6	0
31	SA	1	Total 43	C 33	N 4	O 6	0
31	SA	1	Total 43	C 33	N 4	O 6	0
31	SA	1	Total 43	C 33	N 4	O 6	0
31	TA	1	Total 43	C 33	N 4	O 6	0
31	TA	1	Total 43	C 33	N 4	O 6	0
31	UA	1	Total 43	C 33	N 4	O 6	0
31	UA	1	Total 43	C 33	N 4	O 6	0
31	UA	1	Total 43	C 33	N 4	O 6	0
31	UA	1	Total 43	C 33	N 4	O 6	0
31	VA	1	Total 43	C 33	N 4	O 6	0
31	VA	1	Total 43	C 33	N 4	O 6	0
31	WA	1	Total 43	C 33	N 4	O 6	0
31	WA	1	Total 43	C 33	N 4	O 6	0
31	XA	1	Total 43	C 33	N 4	O 6	0
31	XA	1	Total 43	C 33	N 4	O 6	0
31	YA	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	ZA	1	43	33	4	6	0
31	ZA	1	43	33	4	6	0
31	ZA	1	43	33	4	6	0
31	AB	1	43	33	4	6	0
31	AB	1	43	33	4	6	0
31	AB	1	43	33	4	6	0
31	DB	1	43	33	4	6	0
31	FB	1	43	33	4	6	0
31	HB	1	43	33	4	6	0
31	JB	1	43	33	4	6	0
31	LB	1	43	33	4	6	0
31	NB	1	43	33	4	6	0
31	OB	1	43	33	4	6	0
31	OB	1	43	33	4	6	0
31	PB	1	43	33	4	6	0
31	PB	1	43	33	4	6	0
31	QB	1	43	33	4	6	0
31	QB	1	43	33	4	6	0
31	RB	1	43	33	4	6	0
31	RB	1	43	33	4	6	0
31	RB	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	SB	1	43	33	4	6	0
31	SB	1	43	33	4	6	0
31	TB	1	43	33	4	6	0
31	TB	1	43	33	4	6	0
31	TB	1	43	33	4	6	0
31	UB	1	43	33	4	6	0
31	UB	1	43	33	4	6	0
31	VB	1	43	33	4	6	0
31	VB	1	43	33	4	6	0
31	WB	1	43	33	4	6	0
31	YB	1	43	33	4	6	0
31	YB	1	43	33	4	6	0
31	YB	1	43	33	4	6	0
31	ZB	1	43	33	4	6	0
31	ZB	1	43	33	4	6	0
31	AC	1	43	33	4	6	0
31	AC	1	43	33	4	6	0
31	AC	1	43	33	4	6	0
31	DC	1	43	33	4	6	0
31	FC	1	43	33	4	6	0
31	HC	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	JC	1	Total 43	C 33	N 4	O 6	0
31	LC	1	Total 43	C 33	N 4	O 6	0
31	NC	1	Total 43	C 33	N 4	O 6	0
31	OC	1	Total 43	C 33	N 4	O 6	0
31	OC	1	Total 43	C 33	N 4	O 6	0
31	OC	1	Total 43	C 33	N 4	O 6	0
31	PC	1	Total 43	C 33	N 4	O 6	0
31	PC	1	Total 43	C 33	N 4	O 6	0
31	QC	1	Total 43	C 33	N 4	O 6	0
31	QC	1	Total 43	C 33	N 4	O 6	0
31	QC	1	Total 43	C 33	N 4	O 6	0
31	RC	1	Total 43	C 33	N 4	O 6	0
31	RC	1	Total 43	C 33	N 4	O 6	0
31	SC	1	Total 43	C 33	N 4	O 6	0
31	SC	1	Total 43	C 33	N 4	O 6	0
31	TC	1	Total 43	C 33	N 4	O 6	0
31	TC	1	Total 43	C 33	N 4	O 6	0
31	UC	1	Total 43	C 33	N 4	O 6	0
31	UC	1	Total 43	C 33	N 4	O 6	0
31	UC	1	Total 43	C 33	N 4	O 6	0
31	VC	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	VC	1	Total 43	C 33	N 4	O 6	0
31	VC	1	Total 43	C 33	N 4	O 6	0
31	WC	1	Total 43	C 33	N 4	O 6	0
31	WC	1	Total 43	C 33	N 4	O 6	0
31	WC	1	Total 43	C 33	N 4	O 6	0
31	YC	1	Total 43	C 33	N 4	O 6	0
31	YC	1	Total 43	C 33	N 4	O 6	0
31	ZC	1	Total 43	C 33	N 4	O 6	0
31	ZC	1	Total 43	C 33	N 4	O 6	0
31	ZC	1	Total 43	C 33	N 4	O 6	0
31	AD	1	Total 43	C 33	N 4	O 6	0
31	AD	1	Total 43	C 33	N 4	O 6	0
31	DD	1	Total 43	C 33	N 4	O 6	0
31	GD	1	Total 43	C 33	N 4	O 6	0
31	HD	1	Total 43	C 33	N 4	O 6	0
31	KD	1	Total 43	C 33	N 4	O 6	0
31	LD	1	Total 43	C 33	N 4	O 6	0
31	ND	1	Total 43	C 33	N 4	O 6	0
31	OD	1	Total 43	C 33	N 4	O 6	0
31	OD	1	Total 43	C 33	N 4	O 6	0
31	OD	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	PD	1	Total 43	C 33	N 4	O 6	0
31	PD	1	Total 43	C 33	N 4	O 6	0
31	QD	1	Total 43	C 33	N 4	O 6	0
31	QD	1	Total 43	C 33	N 4	O 6	0
31	QD	1	Total 43	C 33	N 4	O 6	0
31	RD	1	Total 43	C 33	N 4	O 6	0
31	RD	1	Total 43	C 33	N 4	O 6	0
31	SD	1	Total 43	C 33	N 4	O 6	0
31	SD	1	Total 43	C 33	N 4	O 6	0
31	TD	1	Total 43	C 33	N 4	O 6	0
31	UD	1	Total 43	C 33	N 4	O 6	0
31	UD	1	Total 43	C 33	N 4	O 6	0
31	UD	1	Total 43	C 33	N 4	O 6	0
31	VD	1	Total 43	C 33	N 4	O 6	0
31	VD	1	Total 43	C 33	N 4	O 6	0
31	WD	1	Total 43	C 33	N 4	O 6	0
31	WD	1	Total 43	C 33	N 4	O 6	0
31	WD	1	Total 43	C 33	N 4	O 6	0
31	YD	1	Total 43	C 33	N 4	O 6	0
31	YD	1	Total 43	C 33	N 4	O 6	0
31	ZD	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	ZD	1	43	33	4	6	0
31	ZD	1	43	33	4	6	0
31	AE	1	43	33	4	6	0
31	AE	1	43	33	4	6	0
31	DE	1	43	33	4	6	0
31	HE	1	43	33	4	6	0
31	JE	1	43	33	4	6	0
31	KE	1	43	33	4	6	0
31	LE	1	43	33	4	6	0
31	NE	1	43	33	4	6	0
31	OE	1	43	33	4	6	0
31	OE	1	43	33	4	6	0
31	OE	1	43	33	4	6	0
31	PE	1	43	33	4	6	0
31	PE	1	43	33	4	6	0
31	QE	1	43	33	4	6	0
31	QE	1	43	33	4	6	0
31	QE	1	43	33	4	6	0
31	RE	1	43	33	4	6	0
31	RE	1	43	33	4	6	0
31	SE	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	SE	1	43	33	4	6	0
31	SE	1	43	33	4	6	0
31	TE	1	43	33	4	6	0
31	UE	1	43	33	4	6	0
31	UE	1	43	33	4	6	0
31	UE	1	43	33	4	6	0
31	VE	1	43	33	4	6	0
31	VE	1	43	33	4	6	0
31	WE	1	43	33	4	6	0
31	WE	1	43	33	4	6	0
31	WE	1	43	33	4	6	0
31	WE	1	43	33	4	6	0
31	YE	1	43	33	4	6	0
31	YE	1	43	33	4	6	0
31	ZE	1	43	33	4	6	0
31	ZE	1	43	33	4	6	0
31	ZE	1	43	33	4	6	0
31	AF	1	43	33	4	6	0
31	AF	1	43	33	4	6	0
31	BF	1	43	33	4	6	0
31	BF	1	43	33	4	6	0
31	CF	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	CF	1	Total 43	C 33	N 4	O 6	0
31	CF	1	Total 43	C 33	N 4	O 6	0
31	DF	1	Total 43	C 33	N 4	O 6	0
31	DF	1	Total 43	C 33	N 4	O 6	0
31	DF	1	Total 43	C 33	N 4	O 6	0
31	EF	1	Total 43	C 33	N 4	O 6	0
31	EF	1	Total 43	C 33	N 4	O 6	0
31	FF	1	Total 43	C 33	N 4	O 6	0
31	FF	1	Total 43	C 33	N 4	O 6	0
31	GF	1	Total 43	C 33	N 4	O 6	0
31	GF	1	Total 43	C 33	N 4	O 6	0
31	GF	1	Total 43	C 33	N 4	O 6	0
31	HF	1	Total 43	C 33	N 4	O 6	0
31	HF	1	Total 43	C 33	N 4	O 6	0
31	IF	1	Total 43	C 33	N 4	O 6	0
31	IF	1	Total 43	C 33	N 4	O 6	0
31	IF	1	Total 43	C 33	N 4	O 6	0
31	JF	1	Total 43	C 33	N 4	O 6	0
31	JF	1	Total 43	C 33	N 4	O 6	0
31	KF	1	Total 43	C 33	N 4	O 6	0
31	KF	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	KF	1	43	33	4	6	0
31	LF	1	43	33	4	6	0
31	LF	1	43	33	4	6	0
31	MF	1	43	33	4	6	0
31	MF	1	43	33	4	6	0
31	MF	1	43	33	4	6	0
31	NF	1	43	33	4	6	0
31	NF	1	43	33	4	6	0
31	OF	1	43	33	4	6	0
31	OF	1	43	33	4	6	0
31	OF	1	43	33	4	6	0
31	PF	1	43	33	4	6	0
31	PF	1	43	33	4	6	0
31	QF	1	43	33	4	6	0
31	QF	1	43	33	4	6	0
31	QF	1	43	33	4	6	0
31	RF	1	43	33	4	6	0
31	RF	1	43	33	4	6	0
31	SF	1	43	33	4	6	0
31	SF	1	43	33	4	6	0
31	SF	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	TF	1	Total 43	C 33	N 4	O 6	0
31	TF	1	Total 43	C 33	N 4	O 6	0
31	UF	1	Total 43	C 33	N 4	O 6	0
31	UF	1	Total 43	C 33	N 4	O 6	0
31	VF	1	Total 43	C 33	N 4	O 6	0
31	VF	1	Total 43	C 33	N 4	O 6	0
31	WF	1	Total 43	C 33	N 4	O 6	0
31	WF	1	Total 43	C 33	N 4	O 6	0
31	WF	1	Total 43	C 33	N 4	O 6	0
31	XF	1	Total 43	C 33	N 4	O 6	0
31	XF	1	Total 43	C 33	N 4	O 6	0
31	XF	1	Total 43	C 33	N 4	O 6	0
31	YF	1	Total 43	C 33	N 4	O 6	0
31	YF	1	Total 43	C 33	N 4	O 6	0
31	YF	1	Total 43	C 33	N 4	O 6	0
31	ZF	1	Total 43	C 33	N 4	O 6	0
31	ZF	1	Total 43	C 33	N 4	O 6	0
31	AG	1	Total 43	C 33	N 4	O 6	0
31	AG	1	Total 43	C 33	N 4	O 6	0
31	AG	1	Total 43	C 33	N 4	O 6	0
31	BG	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	BG	1	43	33	4	6	0
31	BG	1	43	33	4	6	0
31	CG	1	43	33	4	6	0
31	CG	1	43	33	4	6	0
31	DG	1	43	33	4	6	0
31	DG	1	43	33	4	6	0
31	EG	1	43	33	4	6	0
31	EG	1	43	33	4	6	0
31	FG	1	43	33	4	6	0
31	FG	1	43	33	4	6	0
31	GG	1	43	33	4	6	0
31	GG	1	43	33	4	6	0
31	GG	1	43	33	4	6	0
31	HG	1	43	33	4	6	0
31	HG	1	43	33	4	6	0
31	HG	1	43	33	4	6	0
31	IG	1	43	33	4	6	0
31	IG	1	43	33	4	6	0
31	IG	1	43	33	4	6	0
31	JG	1	43	33	4	6	0
31	JG	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	KG	1	Total 43	C 33	N 4	O 6	0
31	KG	1	Total 43	C 33	N 4	O 6	0
31	KG	1	Total 43	C 33	N 4	O 6	0
31	LG	1	Total 43	C 33	N 4	O 6	0
31	LG	1	Total 43	C 33	N 4	O 6	0
31	MG	1	Total 43	C 33	N 4	O 6	0
31	NG	1	Total 43	C 33	N 4	O 6	0
31	NG	1	Total 43	C 33	N 4	O 6	0
31	NG	1	Total 43	C 33	N 4	O 6	0
31	OG	1	Total 43	C 33	N 4	O 6	0
31	OG	1	Total 43	C 33	N 4	O 6	0
31	OG	1	Total 43	C 33	N 4	O 6	0
31	PG	1	Total 43	C 33	N 4	O 6	0
31	PG	1	Total 43	C 33	N 4	O 6	0
31	QG	1	Total 43	C 33	N 4	O 6	0
31	RG	1	Total 43	C 33	N 4	O 6	0
31	RG	1	Total 43	C 33	N 4	O 6	0
31	RG	1	Total 43	C 33	N 4	O 6	0
31	SG	1	Total 43	C 33	N 4	O 6	0
31	SG	1	Total 43	C 33	N 4	O 6	0
31	TG	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	TG	1	43	33	4	6	0
31	TG	1	43	33	4	6	0
31	UG	1	43	33	4	6	0
31	UG	1	43	33	4	6	0
31	VG	1	43	33	4	6	0
31	VG	1	43	33	4	6	0
31	VG	1	43	33	4	6	0
31	WG	1	43	33	4	6	0
31	WG	1	43	33	4	6	0
31	WG	1	43	33	4	6	0
31	XG	1	43	33	4	6	0
31	XG	1	43	33	4	6	0
31	YG	1	43	33	4	6	0
31	YG	1	43	33	4	6	0
31	ZG	1	43	33	4	6	0
31	AH	1	43	33	4	6	0
31	AH	1	43	33	4	6	0
31	BH	1	43	33	4	6	0
31	CH	1	43	33	4	6	0
31	CH	1	43	33	4	6	0
31	CH	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	DH	1	43	33	4	6	0
31	DH	1	43	33	4	6	0
31	EH	1	43	33	4	6	0
31	EH	1	43	33	4	6	0
31	EH	1	43	33	4	6	0
31	FH	1	43	33	4	6	0
31	FH	1	43	33	4	6	0
31	GH	1	43	33	4	6	0
31	GH	1	43	33	4	6	0
31	GH	1	43	33	4	6	0
31	HH	1	43	33	4	6	0
31	HH	1	43	33	4	6	0
31	IH	1	43	33	4	6	0
31	IH	1	43	33	4	6	0
31	IH	1	43	33	4	6	0
31	JH	1	43	33	4	6	0
31	JH	1	43	33	4	6	0
31	KH	1	43	33	4	6	0
31	KH	1	43	33	4	6	0
31	KH	1	43	33	4	6	0
31	LH	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	LH	1	43	33	4	6	0
31	MH	1	43	33	4	6	0
31	MH	1	43	33	4	6	0
31	MH	1	43	33	4	6	0
31	NH	1	43	33	4	6	0
31	NH	1	43	33	4	6	0
31	OH	1	43	33	4	6	0
31	OH	1	43	33	4	6	0
31	OH	1	43	33	4	6	0
31	PH	1	43	33	4	6	0
31	PH	1	43	33	4	6	0
31	QH	1	43	33	4	6	0
31	QH	1	43	33	4	6	0
31	QH	1	43	33	4	6	0
31	RH	1	43	33	4	6	0
31	RH	1	43	33	4	6	0
31	SH	1	43	33	4	6	0
31	SH	1	43	33	4	6	0
31	SH	1	43	33	4	6	0
31	TH	1	43	33	4	6	0
31	TH	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	UH	1	Total 43	C 33	N 4	O 6	0
31	UH	1	Total 43	C 33	N 4	O 6	0
31	UH	1	Total 43	C 33	N 4	O 6	0
31	VH	1	Total 43	C 33	N 4	O 6	0
31	VH	1	Total 43	C 33	N 4	O 6	0
31	WH	1	Total 43	C 33	N 4	O 6	0
31	WH	1	Total 43	C 33	N 4	O 6	0
31	WH	1	Total 43	C 33	N 4	O 6	0
31	XH	1	Total 43	C 33	N 4	O 6	0
31	XH	1	Total 43	C 33	N 4	O 6	0
31	YH	1	Total 43	C 33	N 4	O 6	0
31	YH	1	Total 43	C 33	N 4	O 6	0
31	YH	1	Total 43	C 33	N 4	O 6	0
31	ZH	1	Total 43	C 33	N 4	O 6	0
31	ZH	1	Total 43	C 33	N 4	O 6	0
31	AI	1	Total 43	C 33	N 4	O 6	0
31	AI	1	Total 43	C 33	N 4	O 6	0
31	BI	1	Total 43	C 33	N 4	O 6	0
31	BI	1	Total 43	C 33	N 4	O 6	0
31	BI	1	Total 43	C 33	N 4	O 6	0
31	CI	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	CI	1	Total 43	C 33	N 4	O 6	0
31	DI	1	Total 43	C 33	N 4	O 6	0
31	DI	1	Total 43	C 33	N 4	O 6	0
31	DI	1	Total 43	C 33	N 4	O 6	0
31	EI	1	Total 43	C 33	N 4	O 6	0
31	EI	1	Total 43	C 33	N 4	O 6	0
31	FI	1	Total 43	C 33	N 4	O 6	0
31	FI	1	Total 43	C 33	N 4	O 6	0
31	FI	1	Total 43	C 33	N 4	O 6	0
31	GI	1	Total 43	C 33	N 4	O 6	0
31	GI	1	Total 43	C 33	N 4	O 6	0
31	HI	1	Total 43	C 33	N 4	O 6	0
31	HI	1	Total 43	C 33	N 4	O 6	0
31	HI	1	Total 43	C 33	N 4	O 6	0
31	II	1	Total 43	C 33	N 4	O 6	0
31	II	1	Total 43	C 33	N 4	O 6	0
31	JI	1	Total 43	C 33	N 4	O 6	0
31	JI	1	Total 43	C 33	N 4	O 6	0
31	JI	1	Total 43	C 33	N 4	O 6	0
31	KI	1	Total 43	C 33	N 4	O 6	0
31	KI	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	LI	1	Total 43	C 33	N 4	O 6	0
31	LI	1	Total 43	C 33	N 4	O 6	0
31	LI	1	Total 43	C 33	N 4	O 6	0
31	MI	1	Total 43	C 33	N 4	O 6	0
31	MI	1	Total 43	C 33	N 4	O 6	0
31	MI	1	Total 43	C 33	N 4	O 6	0
31	MI	1	Total 43	C 33	N 4	O 6	0
31	MI	1	Total 43	C 33	N 4	O 6	0
31	NI	1	Total 43	C 33	N 4	O 6	0
31	NI	1	Total 43	C 33	N 4	O 6	0
31	OI	1	Total 43	C 33	N 4	O 6	0
31	OI	1	Total 43	C 33	N 4	O 6	0
31	OI	1	Total 43	C 33	N 4	O 6	0
31	PI	1	Total 43	C 33	N 4	O 6	0
31	PI	1	Total 43	C 33	N 4	O 6	0
31	QI	1	Total 43	C 33	N 4	O 6	0
31	QI	1	Total 43	C 33	N 4	O 6	0
31	QI	1	Total 43	C 33	N 4	O 6	0
31	RI	1	Total 43	C 33	N 4	O 6	0
31	RI	1	Total 43	C 33	N 4	O 6	0
31	SI	1	Total 43	C 33	N 4	O 6	0
31	SI	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	SI	1	Total 43	C 33	N 4	O 6	0
31	TI	1	Total 43	C 33	N 4	O 6	0
31	TI	1	Total 43	C 33	N 4	O 6	0
31	UI	1	Total 43	C 33	N 4	O 6	0
31	UI	1	Total 43	C 33	N 4	O 6	0
31	UI	1	Total 43	C 33	N 4	O 6	0
31	UI	1	Total 43	C 33	N 4	O 6	0
31	VI	1	Total 43	C 33	N 4	O 6	0
31	VI	1	Total 43	C 33	N 4	O 6	0
31	WI	1	Total 43	C 33	N 4	O 6	0
31	WI	1	Total 43	C 33	N 4	O 6	0
31	WI	1	Total 43	C 33	N 4	O 6	0
31	XI	1	Total 43	C 33	N 4	O 6	0
31	XI	1	Total 43	C 33	N 4	O 6	0
31	YI	1	Total 43	C 33	N 4	O 6	0
31	YI	1	Total 43	C 33	N 4	O 6	0
31	YI	1	Total 43	C 33	N 4	O 6	0
31	ZI	1	Total 43	C 33	N 4	O 6	0
31	ZI	1	Total 43	C 33	N 4	O 6	0
31	ZI	1	Total 43	C 33	N 4	O 6	0
31	AJ	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	AJ	1	43	33	4	6	0
31	AJ	1	43	33	4	6	0
31	BJ	1	43	33	4	6	0
31	BJ	1	43	33	4	6	0
31	BJ	1	43	33	4	6	0
31	CJ	1	43	33	4	6	0
31	CJ	1	43	33	4	6	0
31	DJ	1	43	33	4	6	0
31	DJ	1	43	33	4	6	0
31	DJ	1	43	33	4	6	0
31	EJ	1	43	33	4	6	0
31	EJ	1	43	33	4	6	0
31	FJ	1	43	33	4	6	0
31	FJ	1	43	33	4	6	0
31	FJ	1	43	33	4	6	0
31	GJ	1	43	33	4	6	0
31	GJ	1	43	33	4	6	0
31	HJ	1	43	33	4	6	0
31	HJ	1	43	33	4	6	0
31	HJ	1	43	33	4	6	0
31	IJ	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	IJ	1	43	33	4	6	0
31	JJ	1	43	33	4	6	0
31	JJ	1	43	33	4	6	0
31	JJ	1	43	33	4	6	0
31	KJ	1	43	33	4	6	0
31	KJ	1	43	33	4	6	0
31	LJ	1	43	33	4	6	0
31	LJ	1	43	33	4	6	0
31	LJ	1	43	33	4	6	0
31	MJ	1	43	33	4	6	0
31	MJ	1	43	33	4	6	0
31	NJ	1	43	33	4	6	0
31	NJ	1	43	33	4	6	0
31	NJ	1	43	33	4	6	0
31	OJ	1	43	33	4	6	0
31	OJ	1	43	33	4	6	0
31	PJ	1	43	33	4	6	0
31	PJ	1	43	33	4	6	0
31	PJ	1	43	33	4	6	0
31	QJ	1	43	33	4	6	0
31	QJ	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	RJ	1	43	33	4	6	0
31	RJ	1	43	33	4	6	0
31	RJ	1	43	33	4	6	0
31	SJ	1	43	33	4	6	0
31	SJ	1	43	33	4	6	0
31	TJ	1	43	33	4	6	0
31	TJ	1	43	33	4	6	0
31	TJ	1	43	33	4	6	0
31	UJ	1	43	33	4	6	0
31	UJ	1	43	33	4	6	0
31	VJ	1	43	33	4	6	0
31	VJ	1	43	33	4	6	0
31	VJ	1	43	33	4	6	0
31	WJ	1	43	33	4	6	0
31	WJ	1	43	33	4	6	0
31	XJ	1	43	33	4	6	0
31	XJ	1	43	33	4	6	0
31	XJ	1	43	33	4	6	0
31	YJ	1	43	33	4	6	0
31	YJ	1	43	33	4	6	0
31	AK	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	AK	1	43	33	4	6	0
31	BK	1	43	33	4	6	0
31	BK	1	43	33	4	6	0
31	BK	1	43	33	4	6	0
31	CK	1	43	33	4	6	0
31	CK	1	43	33	4	6	0
31	DK	1	43	33	4	6	0
31	DK	1	43	33	4	6	0
31	DK	1	43	33	4	6	0
31	EK	1	43	33	4	6	0
31	EK	1	43	33	4	6	0
31	FK	1	43	33	4	6	0
31	FK	1	43	33	4	6	0
31	FK	1	43	33	4	6	0
31	GK	1	43	33	4	6	0
31	GK	1	43	33	4	6	0
31	HK	1	43	33	4	6	0
31	HK	1	43	33	4	6	0
31	HK	1	43	33	4	6	0
31	IK	1	43	33	4	6	0
31	IK	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	JK	1	43	33	4	6	0
31	JK	1	43	33	4	6	0
31	JK	1	43	33	4	6	0
31	KK	1	43	33	4	6	0
31	KK	1	43	33	4	6	0
31	LK	1	43	33	4	6	0
31	LK	1	43	33	4	6	0
31	LK	1	43	33	4	6	0
31	MK	1	43	33	4	6	0
31	MK	1	43	33	4	6	0
31	NK	1	43	33	4	6	0
31	NK	1	43	33	4	6	0
31	NK	1	43	33	4	6	0
31	OK	1	43	33	4	6	0
31	OK	1	43	33	4	6	0
31	PK	1	43	33	4	6	0
31	PK	1	43	33	4	6	0
31	PK	1	43	33	4	6	0
31	QK	1	43	33	4	6	0
31	QK	1	43	33	4	6	0
31	RK	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	RK	1	43	33	4	6	0
31	RK	1	43	33	4	6	0
31	SK	1	43	33	4	6	0
31	SK	1	43	33	4	6	0
31	TK	1	43	33	4	6	0
31	TK	1	43	33	4	6	0
31	TK	1	43	33	4	6	0
31	UK	1	43	33	4	6	0
31	UK	1	43	33	4	6	0
31	VK	1	43	33	4	6	0
31	VK	1	43	33	4	6	0
31	VK	1	43	33	4	6	0
31	WK	1	43	33	4	6	0
31	WK	1	43	33	4	6	0
31	XK	1	43	33	4	6	0
31	XK	1	43	33	4	6	0
31	XK	1	43	33	4	6	0
31	YK	1	43	33	4	6	0
31	YK	1	43	33	4	6	0
31	YK	1	43	33	4	6	0
31	A1	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	A1	1	43	33	4	6	0
31	B1	1	43	33	4	6	0
31	B1	1	43	33	4	6	0
31	B1	1	43	33	4	6	0
31	C1	1	43	33	4	6	0
31	C1	1	43	33	4	6	0
31	D1	1	43	33	4	6	0
31	D1	1	43	33	4	6	0
31	D1	1	43	33	4	6	0
31	E1	1	43	33	4	6	0
31	E1	1	43	33	4	6	0
31	F1	1	43	33	4	6	0
31	F1	1	43	33	4	6	0
31	F1	1	43	33	4	6	0
31	G1	1	43	33	4	6	0
31	G1	1	43	33	4	6	0
31	H1	1	43	33	4	6	0
31	H1	1	43	33	4	6	0
31	H1	1	43	33	4	6	0
31	I1	1	43	33	4	6	0
31	I1	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	J1	1	43	33	4	6	0
31	J1	1	43	33	4	6	0
31	J1	1	43	33	4	6	0
31	K1	1	43	33	4	6	0
31	K1	1	43	33	4	6	0
31	L1	1	43	33	4	6	0
31	L1	1	43	33	4	6	0
31	L1	1	43	33	4	6	0
31	M1	1	43	33	4	6	0
31	M1	1	43	33	4	6	0
31	N1	1	43	33	4	6	0
31	N1	1	43	33	4	6	0
31	N1	1	43	33	4	6	0
31	O1	1	43	33	4	6	0
31	O1	1	43	33	4	6	0
31	P1	1	43	33	4	6	0
31	P1	1	43	33	4	6	0
31	P1	1	43	33	4	6	0
31	Q1	1	43	33	4	6	0
31	Q1	1	43	33	4	6	0
31	R1	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	R1	1	43	33	4	6	0
31	R1	1	43	33	4	6	0
31	S1	1	43	33	4	6	0
31	S1	1	43	33	4	6	0
31	T1	1	43	33	4	6	0
31	T1	1	43	33	4	6	0
31	T1	1	43	33	4	6	0
31	U1	1	43	33	4	6	0
31	U1	1	43	33	4	6	0
31	V1	1	43	33	4	6	0
31	V1	1	43	33	4	6	0
31	V1	1	43	33	4	6	0
31	W1	1	43	33	4	6	0
31	W1	1	43	33	4	6	0
31	X1	1	43	33	4	6	0
31	X1	1	43	33	4	6	0
31	X1	1	43	33	4	6	0
31	Y1	1	43	33	4	6	0
31	Y1	1	43	33	4	6	0
31	Y1	1	43	33	4	6	0
31	e1	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	L2	1	Total 43	C 33	N 4	O 6	0
31	N2	1	Total 43	C 33	N 4	O 6	0
31	O2	1	Total 43	C 33	N 4	O 6	0
31	O2	1	Total 43	C 33	N 4	O 6	0
31	O2	1	Total 43	C 33	N 4	O 6	0
31	P2	1	Total 43	C 33	N 4	O 6	0
31	P2	1	Total 43	C 33	N 4	O 6	0
31	Q2	1	Total 43	C 33	N 4	O 6	0
31	Q2	1	Total 43	C 33	N 4	O 6	0
31	Q2	1	Total 43	C 33	N 4	O 6	0
31	R2	1	Total 43	C 33	N 4	O 6	0
31	R2	1	Total 43	C 33	N 4	O 6	0
31	S2	1	Total 43	C 33	N 4	O 6	0
31	S2	1	Total 43	C 33	N 4	O 6	0
31	T2	1	Total 43	C 33	N 4	O 6	0
31	T2	1	Total 43	C 33	N 4	O 6	0
31	U2	1	Total 43	C 33	N 4	O 6	0
31	U2	1	Total 43	C 33	N 4	O 6	0
31	U2	1	Total 43	C 33	N 4	O 6	0
31	A2	1	Total 43	C 33	N 4	O 6	0
31	A2	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	A2	1	43	33	4	6	0
31	D2	1	43	33	4	6	0
31	F2	1	43	33	4	6	0
31	H2	1	43	33	4	6	0
31	J2	1	43	33	4	6	0
31	V2	1	43	33	4	6	0
31	V2	1	43	33	4	6	0
31	V2	1	43	33	4	6	0
31	W2	1	43	33	4	6	0
31	W2	1	43	33	4	6	0
31	W2	1	43	33	4	6	0
31	Y2	1	43	33	4	6	0
31	Y2	1	43	33	4	6	0
31	Z2	1	43	33	4	6	0
31	Z2	1	43	33	4	6	0
31	Z2	1	43	33	4	6	0
31	f2	1	43	33	4	6	0
31	f2	1	43	33	4	6	0
31	f2	1	43	33	4	6	0
31	g2	1	43	33	4	6	0
31	g2	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	h2	1	Total 43	C 33	N 4	O 6	0
31	h2	1	Total 43	C 33	N 4	O 6	0
31	h2	1	Total 43	C 33	N 4	O 6	0
31	i2	1	Total 43	C 33	N 4	O 6	0
31	i2	1	Total 43	C 33	N 4	O 6	0
31	j2	1	Total 43	C 33	N 4	O 6	0
31	j2	1	Total 43	C 33	N 4	O 6	0
31	j2	1	Total 43	C 33	N 4	O 6	0
31	k2	1	Total 43	C 33	N 4	O 6	0
31	k2	1	Total 43	C 33	N 4	O 6	0
31	l2	1	Total 43	C 33	N 4	O 6	0
31	l2	1	Total 43	C 33	N 4	O 6	0
31	l2	1	Total 43	C 33	N 4	O 6	0
31	m2	1	Total 43	C 33	N 4	O 6	0
31	m2	1	Total 43	C 33	N 4	O 6	0
31	a2	1	Total 43	C 33	N 4	O 6	0
31	a2	1	Total 43	C 33	N 4	O 6	0
31	b2	1	Total 43	C 33	N 4	O 6	0
31	b2	1	Total 43	C 33	N 4	O 6	0
31	b2	1	Total 43	C 33	N 4	O 6	0
31	c2	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	c2	1	Total 43	C 33	N 4	O 6	0
31	d2	1	Total 43	C 33	N 4	O 6	0
31	d2	1	Total 43	C 33	N 4	O 6	0
31	d2	1	Total 43	C 33	N 4	O 6	0
31	e2	1	Total 43	C 33	N 4	O 6	0
31	e2	1	Total 43	C 33	N 4	O 6	0
31	A4	1	Total 43	C 33	N 4	O 6	0
31	A4	1	Total 43	C 33	N 4	O 6	0
31	B4	1	Total 43	C 33	N 4	O 6	0
31	C4	1	Total 43	C 33	N 4	O 6	0
31	C4	1	Total 43	C 33	N 4	O 6	0
31	C4	1	Total 43	C 33	N 4	O 6	0
31	D4	1	Total 43	C 33	N 4	O 6	0
31	D4	1	Total 43	C 33	N 4	O 6	0
31	E4	1	Total 43	C 33	N 4	O 6	0
31	E4	1	Total 43	C 33	N 4	O 6	0
31	E4	1	Total 43	C 33	N 4	O 6	0
31	F4	1	Total 43	C 33	N 4	O 6	0
31	F4	1	Total 43	C 33	N 4	O 6	0
31	G4	1	Total 43	C 33	N 4	O 6	0
31	G4	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	G4	1	Total 43	C 33	N 4	O 6	0
31	H4	1	Total 43	C 33	N 4	O 6	0
31	H4	1	Total 43	C 33	N 4	O 6	0
31	I4	1	Total 43	C 33	N 4	O 6	0
31	I4	1	Total 43	C 33	N 4	O 6	0
31	I4	1	Total 43	C 33	N 4	O 6	0
31	J4	1	Total 43	C 33	N 4	O 6	0
31	J4	1	Total 43	C 33	N 4	O 6	0
31	K4	1	Total 43	C 33	N 4	O 6	0
31	K4	1	Total 43	C 33	N 4	O 6	0
31	K4	1	Total 43	C 33	N 4	O 6	0
31	L4	1	Total 43	C 33	N 4	O 6	0
31	L4	1	Total 43	C 33	N 4	O 6	0
31	M4	1	Total 43	C 33	N 4	O 6	0
31	M4	1	Total 43	C 33	N 4	O 6	0
31	M4	1	Total 43	C 33	N 4	O 6	0
31	N4	1	Total 43	C 33	N 4	O 6	0
31	N4	1	Total 43	C 33	N 4	O 6	0
31	O4	1	Total 43	C 33	N 4	O 6	0
31	O4	1	Total 43	C 33	N 4	O 6	0
31	O4	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	P4	1	43	33	4	6	0
31	P4	1	43	33	4	6	0
31	Q4	1	43	33	4	6	0
31	Q4	1	43	33	4	6	0
31	Q4	1	43	33	4	6	0
31	R4	1	43	33	4	6	0
31	R4	1	43	33	4	6	0
31	S4	1	43	33	4	6	0
31	S4	1	43	33	4	6	0
31	S4	1	43	33	4	6	0
31	T4	1	43	33	4	6	0
31	T4	1	43	33	4	6	0
31	U4	1	43	33	4	6	0
31	U4	1	43	33	4	6	0
31	U4	1	43	33	4	6	0
31	V4	1	43	33	4	6	0
31	V4	1	43	33	4	6	0
31	W4	1	43	33	4	6	0
31	W4	1	43	33	4	6	0
31	W4	1	43	33	4	6	0
31	X4	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	X4	1	Total 43	C 33	N 4	O 6	0
31	Y4	1	Total 43	C 33	N 4	O 6	0
31	Y4	1	Total 43	C 33	N 4	O 6	0
31	Y4	1	Total 43	C 33	N 4	O 6	0
31	Z4	1	Total 43	C 33	N 4	O 6	0
31	Z4	1	Total 43	C 33	N 4	O 6	0
31	a4	1	Total 43	C 33	N 4	O 6	0
31	a4	1	Total 43	C 33	N 4	O 6	0
31	a4	1	Total 43	C 33	N 4	O 6	0
31	a4	1	Total 43	C 33	N 4	O 6	0
31	c4	1	Total 43	C 33	N 4	O 6	0
31	c4	1	Total 43	C 33	N 4	O 6	0
31	d4	1	Total 43	C 33	N 4	O 6	0
31	d4	1	Total 43	C 33	N 4	O 6	0
31	d4	1	Total 43	C 33	N 4	O 6	0
31	e4	1	Total 43	C 33	N 4	O 6	0
31	e4	1	Total 43	C 33	N 4	O 6	0
31	f4	1	Total 43	C 33	N 4	O 6	0
31	f4	1	Total 43	C 33	N 4	O 6	0
31	f4	1	Total 43	C 33	N 4	O 6	0
31	g4	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	g4	1	Total 43	C 33	N 4	O 6	0
31	h4	1	Total 43	C 33	N 4	O 6	0
31	h4	1	Total 43	C 33	N 4	O 6	0
31	h4	1	Total 43	C 33	N 4	O 6	0
31	i4	1	Total 43	C 33	N 4	O 6	0
31	i4	1	Total 43	C 33	N 4	O 6	0
31	j4	1	Total 43	C 33	N 4	O 6	0
31	j4	1	Total 43	C 33	N 4	O 6	0
31	j4	1	Total 43	C 33	N 4	O 6	0
31	k4	1	Total 43	C 33	N 4	O 6	0
31	k4	1	Total 43	C 33	N 4	O 6	0
31	l4	1	Total 43	C 33	N 4	O 6	0
31	l4	1	Total 43	C 33	N 4	O 6	0
31	l4	1	Total 43	C 33	N 4	O 6	0
31	m4	1	Total 43	C 33	N 4	O 6	0
31	m4	1	Total 43	C 33	N 4	O 6	0
31	L5	1	Total 43	C 33	N 4	O 6	0
31	L5	1	Total 43	C 33	N 4	O 6	0
31	L5	1	Total 43	C 33	N 4	O 6	0
31	M5	1	Total 43	C 33	N 4	O 6	0
31	M5	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	N5	1	43	33	4	6	0
31	N5	1	43	33	4	6	0
31	N5	1	43	33	4	6	0
31	O5	1	43	33	4	6	0
31	O5	1	43	33	4	6	0
31	P5	1	43	33	4	6	0
31	P5	1	43	33	4	6	0
31	P5	1	43	33	4	6	0
31	Q5	1	43	33	4	6	0
31	Q5	1	43	33	4	6	0
31	R5	1	43	33	4	6	0
31	R5	1	43	33	4	6	0
31	R5	1	43	33	4	6	0
31	S5	1	43	33	4	6	0
31	S5	1	43	33	4	6	0
31	T5	1	43	33	4	6	0
31	T5	1	43	33	4	6	0
31	T5	1	43	33	4	6	0
31	U5	1	43	33	4	6	0
31	U5	1	43	33	4	6	0
31	d5	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	A5	1	43	33	4	6	0
31	A5	1	43	33	4	6	0
31	A5	1	43	33	4	6	0
31	B5	1	43	33	4	6	0
31	B5	1	43	33	4	6	0
31	B5	1	43	33	4	6	0
31	C5	1	43	33	4	6	0
31	C5	1	43	33	4	6	0
31	D5	1	43	33	4	6	0
31	D5	1	43	33	4	6	0
31	D5	1	43	33	4	6	0
31	E5	1	43	33	4	6	0
31	E5	1	43	33	4	6	0
31	F5	1	43	33	4	6	0
31	F5	1	43	33	4	6	0
31	F5	1	43	33	4	6	0
31	G5	1	43	33	4	6	0
31	G5	1	43	33	4	6	0
31	H5	1	43	33	4	6	0
31	H5	1	43	33	4	6	0
31	H5	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	I5	1	43	33	4	6	0
31	I5	1	43	33	4	6	0
31	J5	1	43	33	4	6	0
31	J5	1	43	33	4	6	0
31	J5	1	43	33	4	6	0
31	K5	1	43	33	4	6	0
31	K5	1	43	33	4	6	0
31	V5	1	43	33	4	6	0
31	V5	1	43	33	4	6	0
31	V5	1	43	33	4	6	0
31	W5	1	43	33	4	6	0
31	W5	1	43	33	4	6	0
31	X5	1	43	33	4	6	0
31	X5	1	43	33	4	6	0
31	X5	1	43	33	4	6	0
31	Y5	1	43	33	4	6	0
31	Y5	1	43	33	4	6	0
31	F6	1	43	33	4	6	0
31	H6	1	43	33	4	6	0
31	J6	1	43	33	4	6	0
31	L6	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	N6	1	43	33	4	6	0
31	O6	1	43	33	4	6	0
31	O6	1	43	33	4	6	0
31	A6	1	43	33	4	6	0
31	A6	1	43	33	4	6	0
31	A6	1	43	33	4	6	0
31	D6	1	43	33	4	6	0
31	P6	1	43	33	4	6	0
31	P6	1	43	33	4	6	0
31	P6	1	43	33	4	6	0
31	Q6	1	43	33	4	6	0
31	Q6	1	43	33	4	6	0
31	R6	1	43	33	4	6	0
31	R6	1	43	33	4	6	0
31	R6	1	43	33	4	6	0
31	S6	1	43	33	4	6	0
31	S6	1	43	33	4	6	0
31	T6	1	43	33	4	6	0
31	T6	1	43	33	4	6	0
31	T6	1	43	33	4	6	0
31	U6	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	U6	1	43	33	4	6	0
31	V6	1	43	33	4	6	0
31	V6	1	43	33	4	6	0
31	W6	1	43	33	4	6	0
31	Y6	1	43	33	4	6	0
31	Y6	1	43	33	4	6	0
31	Y6	1	43	33	4	6	0
31	Z6	1	43	33	4	6	0
31	Z6	1	43	33	4	6	0
31	i6	1	43	33	4	6	0
31	i6	1	43	33	4	6	0
31	i6	1	43	33	4	6	0
31	j6	1	43	33	4	6	0
31	j6	1	43	33	4	6	0
31	k6	1	43	33	4	6	0
31	k6	1	43	33	4	6	0
31	k6	1	43	33	4	6	0
31	l6	1	43	33	4	6	0
31	l6	1	43	33	4	6	0
31	m6	1	43	33	4	6	0
31	m6	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	m6	1	Total 43	C 33	N 4	O 6	0
31	a6	1	Total 43	C 33	N 4	O 6	0
31	a6	1	Total 43	C 33	N 4	O 6	0
31	a6	1	Total 43	C 33	N 4	O 6	0
31	b6	1	Total 43	C 33	N 4	O 6	0
31	b6	1	Total 43	C 33	N 4	O 6	0
31	c6	1	Total 43	C 33	N 4	O 6	0
31	c6	1	Total 43	C 33	N 4	O 6	0
31	c6	1	Total 43	C 33	N 4	O 6	0
31	d6	1	Total 43	C 33	N 4	O 6	0
31	d6	1	Total 43	C 33	N 4	O 6	0
31	e6	1	Total 43	C 33	N 4	O 6	0
31	e6	1	Total 43	C 33	N 4	O 6	0
31	e6	1	Total 43	C 33	N 4	O 6	0
31	f6	1	Total 43	C 33	N 4	O 6	0
31	f6	1	Total 43	C 33	N 4	O 6	0
31	g6	1	Total 43	C 33	N 4	O 6	0
31	g6	1	Total 43	C 33	N 4	O 6	0
31	g6	1	Total 43	C 33	N 4	O 6	0
31	h6	1	Total 43	C 33	N 4	O 6	0
31	h6	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	A7	1	43	33	4	6	0
31	A7	1	43	33	4	6	0
31	A7	1	43	33	4	6	0
31	B7	1	43	33	4	6	0
31	B7	1	43	33	4	6	0
31	C7	1	43	33	4	6	0
31	C7	1	43	33	4	6	0
31	C7	1	43	33	4	6	0
31	D7	1	43	33	4	6	0
31	D7	1	43	33	4	6	0
31	E7	1	43	33	4	6	0
31	E7	1	43	33	4	6	0
31	E7	1	43	33	4	6	0
31	F7	1	43	33	4	6	0
31	F7	1	43	33	4	6	0
31	G7	1	43	33	4	6	0
31	G7	1	43	33	4	6	0
31	G7	1	43	33	4	6	0
31	H7	1	43	33	4	6	0
31	H7	1	43	33	4	6	0
31	I7	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	I7	1	Total 43	C 33	N 4	O 6	0
31	I7	1	Total 43	C 33	N 4	O 6	0
31	J7	1	Total 43	C 33	N 4	O 6	0
31	J7	1	Total 43	C 33	N 4	O 6	0
31	K7	1	Total 43	C 33	N 4	O 6	0
31	K7	1	Total 43	C 33	N 4	O 6	0
31	L7	1	Total 43	C 33	N 4	O 6	0
31	L7	1	Total 43	C 33	N 4	O 6	0
31	b7	1	Total 43	C 33	N 4	O 6	0
31	b7	1	Total 43	C 33	N 4	O 6	0
31	b7	1	Total 43	C 33	N 4	O 6	0
31	M7	1	Total 43	C 33	N 4	O 6	0
31	M7	1	Total 43	C 33	N 4	O 6	0
31	M7	1	Total 43	C 33	N 4	O 6	0
31	N7	1	Total 43	C 33	N 4	O 6	0
31	N7	1	Total 43	C 33	N 4	O 6	0
31	O7	1	Total 43	C 33	N 4	O 6	0
31	O7	1	Total 43	C 33	N 4	O 6	0
31	O7	1	Total 43	C 33	N 4	O 6	0
31	P7	1	Total 43	C 33	N 4	O 6	0
31	P7	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	Q7	1	43	33	4	6	0
31	Q7	1	43	33	4	6	0
31	Q7	1	43	33	4	6	0
31	R7	1	43	33	4	6	0
31	R7	1	43	33	4	6	0
31	S7	1	43	33	4	6	0
31	S7	1	43	33	4	6	0
31	S7	1	43	33	4	6	0
31	T7	1	43	33	4	6	0
31	T7	1	43	33	4	6	0
31	U7	1	43	33	4	6	0
31	U7	1	43	33	4	6	0
31	U7	1	43	33	4	6	0
31	V7	1	43	33	4	6	0
31	V7	1	43	33	4	6	0
31	W7	1	43	33	4	6	0
31	W7	1	43	33	4	6	0
31	X7	1	43	33	4	6	0
31	X7	1	43	33	4	6	0
31	Y7	1	43	33	4	6	0
31	Y7	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	Y7	1	Total 43	C 33	N 4	O 6	0
31	Y7	1	Total 43	C 33	N 4	O 6	0
31	V8	1	Total 43	C 33	N 4	O 6	0
31	V8	1	Total 43	C 33	N 4	O 6	0
31	W8	1	Total 43	C 33	N 4	O 6	0
31	W8	1	Total 43	C 33	N 4	O 6	0
31	W8	1	Total 43	C 33	N 4	O 6	0
31	X8	1	Total 43	C 33	N 4	O 6	0
31	X8	1	Total 43	C 33	N 4	O 6	0
31	X8	1	Total 43	C 33	N 4	O 6	0
31	Y8	1	Total 43	C 33	N 4	O 6	0
31	Y8	1	Total 43	C 33	N 4	O 6	0
31	Y8	1	Total 43	C 33	N 4	O 6	0
31	Z8	1	Total 43	C 33	N 4	O 6	0
31	Z8	1	Total 43	C 33	N 4	O 6	0
31	A8	1	Total 43	C 33	N 4	O 6	0
31	A8	1	Total 43	C 33	N 4	O 6	0
31	B8	1	Total 43	C 33	N 4	O 6	0
31	B8	1	Total 43	C 33	N 4	O 6	0
31	C8	1	Total 43	C 33	N 4	O 6	0
31	C8	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	C8	1	Total 43	C 33	N 4	O 6	0
31	D8	1	Total 43	C 33	N 4	O 6	0
31	D8	1	Total 43	C 33	N 4	O 6	0
31	D8	1	Total 43	C 33	N 4	O 6	0
31	E8	1	Total 43	C 33	N 4	O 6	0
31	E8	1	Total 43	C 33	N 4	O 6	0
31	F8	1	Total 43	C 33	N 4	O 6	0
31	F8	1	Total 43	C 33	N 4	O 6	0
31	G8	1	Total 43	C 33	N 4	O 6	0
31	G8	1	Total 43	C 33	N 4	O 6	0
31	G8	1	Total 43	C 33	N 4	O 6	0
31	H8	1	Total 43	C 33	N 4	O 6	0
31	H8	1	Total 43	C 33	N 4	O 6	0
31	I8	1	Total 43	C 33	N 4	O 6	0
31	I8	1	Total 43	C 33	N 4	O 6	0
31	I8	1	Total 43	C 33	N 4	O 6	0
31	J8	1	Total 43	C 33	N 4	O 6	0
31	J8	1	Total 43	C 33	N 4	O 6	0
31	K8	1	Total 43	C 33	N 4	O 6	0
31	K8	1	Total 43	C 33	N 4	O 6	0
31	K8	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	L8	1	43	33	4	6	0
31	L8	1	43	33	4	6	0
31	M8	1	43	33	4	6	0
31	M8	1	43	33	4	6	0
31	M8	1	43	33	4	6	0
31	N8	1	43	33	4	6	0
31	N8	1	43	33	4	6	0
31	O8	1	43	33	4	6	0
31	O8	1	43	33	4	6	0
31	O8	1	43	33	4	6	0
31	P8	1	43	33	4	6	0
31	P8	1	43	33	4	6	0
31	Q8	1	43	33	4	6	0
31	Q8	1	43	33	4	6	0
31	Q8	1	43	33	4	6	0
31	R8	1	43	33	4	6	0
31	R8	1	43	33	4	6	0
31	S8	1	43	33	4	6	0
31	S8	1	43	33	4	6	0
31	S8	1	43	33	4	6	0
31	T8	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	T8	1	43	33	4	6	0
31	U8	1	43	33	4	6	0
31	U8	1	43	33	4	6	0
31	a8	1	43	33	4	6	0
31	a8	1	43	33	4	6	0
31	a8	1	43	33	4	6	0
31	b8	1	43	33	4	6	0
31	b8	1	43	33	4	6	0
31	c8	1	43	33	4	6	0
31	c8	1	43	33	4	6	0
31	c8	1	43	33	4	6	0
31	d8	1	43	33	4	6	0
31	d8	1	43	33	4	6	0
31	e8	1	43	33	4	6	0
31	e8	1	43	33	4	6	0
31	e8	1	43	33	4	6	0
31	f8	1	43	33	4	6	0
31	f8	1	43	33	4	6	0
31	g8	1	43	33	4	6	0
31	g8	1	43	33	4	6	0
31	g8	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	h8	1	Total 43	C 33	N 4	O 6	0
31	h8	1	Total 43	C 33	N 4	O 6	0
31	i8	1	Total 43	C 33	N 4	O 6	0
31	i8	1	Total 43	C 33	N 4	O 6	0
31	i8	1	Total 43	C 33	N 4	O 6	0
31	j8	1	Total 43	C 33	N 4	O 6	0
31	j8	1	Total 43	C 33	N 4	O 6	0
31	k8	1	Total 43	C 33	N 4	O 6	0
31	k8	1	Total 43	C 33	N 4	O 6	0
31	k8	1	Total 43	C 33	N 4	O 6	0
31	l8	1	Total 43	C 33	N 4	O 6	0
31	l8	1	Total 43	C 33	N 4	O 6	0
31	l8	1	Total 43	C 33	N 4	O 6	0
31	m8	1	Total 43	C 33	N 4	O 6	0
31	m8	1	Total 43	C 33	N 4	O 6	0
31	n8	1	Total 43	C 33	N 4	O 6	0
31	n8	1	Total 43	C 33	N 4	O 6	0
31	o8	1	Total 43	C 33	N 4	O 6	0
31	o8	1	Total 43	C 33	N 4	O 6	0
31	o8	1	Total 43	C 33	N 4	O 6	0
31	p8	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	p8	1	Total 43	C 33	N 4	O 6	0
31	q8	1	Total 43	C 33	N 4	O 6	0
31	q8	1	Total 43	C 33	N 4	O 6	0
31	q8	1	Total 43	C 33	N 4	O 6	0
31	r8	1	Total 43	C 33	N 4	O 6	0
31	r8	1	Total 43	C 33	N 4	O 6	0
31	s8	1	Total 43	C 33	N 4	O 6	0
31	s8	1	Total 43	C 33	N 4	O 6	0
31	s8	1	Total 43	C 33	N 4	O 6	0
31	t8	1	Total 43	C 33	N 4	O 6	0
31	t8	1	Total 43	C 33	N 4	O 6	0
31	t8	1	Total 43	C 33	N 4	O 6	0
31	u8	1	Total 43	C 33	N 4	O 6	0
31	u8	1	Total 43	C 33	N 4	O 6	0
31	v8	1	Total 43	C 33	N 4	O 6	0
31	v8	1	Total 43	C 33	N 4	O 6	0
31	w8	1	Total 43	C 33	N 4	O 6	0
31	w8	1	Total 43	C 33	N 4	O 6	0
31	w8	1	Total 43	C 33	N 4	O 6	0
31	x8	1	Total 43	C 33	N 4	O 6	0
31	x8	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	x8	1	Total 43	C 33	N 4	O 6	0
31	y8	1	Total 43	C 33	N 4	O 6	0
31	z8	1	Total 43	C 33	N 4	O 6	0
31	A9	1	Total 43	C 33	N 4	O 6	0
31	A9	1	Total 43	C 33	N 4	O 6	0
31	B9	1	Total 43	C 33	N 4	O 6	0
31	B9	1	Total 43	C 33	N 4	O 6	0
31	B9	1	Total 43	C 33	N 4	O 6	0
31	C9	1	Total 43	C 33	N 4	O 6	0
31	C9	1	Total 43	C 33	N 4	O 6	0
31	D9	1	Total 43	C 33	N 4	O 6	0
31	D9	1	Total 43	C 33	N 4	O 6	0
31	D9	1	Total 43	C 33	N 4	O 6	0
31	E9	1	Total 43	C 33	N 4	O 6	0
31	E9	1	Total 43	C 33	N 4	O 6	0
31	F9	1	Total 43	C 33	N 4	O 6	0
31	F9	1	Total 43	C 33	N 4	O 6	0
31	F9	1	Total 43	C 33	N 4	O 6	0
31	G9	1	Total 43	C 33	N 4	O 6	0
31	G9	1	Total 43	C 33	N 4	O 6	0
31	H9	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	H9	1	Total 43	C 33	N 4	O 6	0
31	H9	1	Total 43	C 33	N 4	O 6	0
31	I9	1	Total 43	C 33	N 4	O 6	0
31	I9	1	Total 43	C 33	N 4	O 6	0
31	J9	1	Total 43	C 33	N 4	O 6	0
31	J9	1	Total 43	C 33	N 4	O 6	0
31	J9	1	Total 43	C 33	N 4	O 6	0
31	K9	1	Total 43	C 33	N 4	O 6	0
31	K9	1	Total 43	C 33	N 4	O 6	0
31	L9	1	Total 43	C 33	N 4	O 6	0
31	L9	1	Total 43	C 33	N 4	O 6	0
31	L9	1	Total 43	C 33	N 4	O 6	0
31	M9	1	Total 43	C 33	N 4	O 6	0
31	M9	1	Total 43	C 33	N 4	O 6	0
31	M9	1	Total 43	C 33	N 4	O 6	0
31	N9	1	Total 43	C 33	N 4	O 6	0
31	N9	1	Total 43	C 33	N 4	O 6	0
31	O9	1	Total 43	C 33	N 4	O 6	0
31	O9	1	Total 43	C 33	N 4	O 6	0
31	O9	1	Total 43	C 33	N 4	O 6	0
31	P9	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	P9	1	Total 43	C 33	N 4	O 6	0
31	Q9	1	Total 43	C 33	N 4	O 6	0
31	Q9	1	Total 43	C 33	N 4	O 6	0
31	Q9	1	Total 43	C 33	N 4	O 6	0
31	R9	1	Total 43	C 33	N 4	O 6	0
31	R9	1	Total 43	C 33	N 4	O 6	0
31	S9	1	Total 43	C 33	N 4	O 6	0
31	S9	1	Total 43	C 33	N 4	O 6	0
31	S9	1	Total 43	C 33	N 4	O 6	0
31	T9	1	Total 43	C 33	N 4	O 6	0
31	T9	1	Total 43	C 33	N 4	O 6	0
31	U9	1	Total 43	C 33	N 4	O 6	0
31	U9	1	Total 43	C 33	N 4	O 6	0
31	U9	1	Total 43	C 33	N 4	O 6	0
31	V9	1	Total 43	C 33	N 4	O 6	0
31	V9	1	Total 43	C 33	N 4	O 6	0
31	W9	1	Total 43	C 33	N 4	O 6	0
31	W9	1	Total 43	C 33	N 4	O 6	0
31	W9	1	Total 43	C 33	N 4	O 6	0
31	X9	1	Total 43	C 33	N 4	O 6	0
31	X9	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	Y9	1	Total 43	C 33	N 4	O 6	0
31	Y9	1	Total 43	C 33	N 4	O 6	0
31	Y9	1	Total 43	C 33	N 4	O 6	0
31	Z9	1	Total 43	C 33	N 4	O 6	0
31	Z9	1	Total 43	C 33	N 4	O 6	0
31	Z9	1	Total 43	C 33	N 4	O 6	0
31	fA	1	Total 43	C 33	N 4	O 6	0
31	aA	1	Total 43	C 33	N 4	O 6	0
31	aA	1	Total 43	C 33	N 4	O 6	0
31	bA	1	Total 43	C 33	N 4	O 6	0
31	cA	1	Total 43	C 33	N 4	O 6	0
31	cA	1	Total 43	C 33	N 4	O 6	0
31	cA	1	Total 43	C 33	N 4	O 6	0
31	dA	1	Total 43	C 33	N 4	O 6	0
31	dA	1	Total 43	C 33	N 4	O 6	0
31	eA	1	Total 43	C 33	N 4	O 6	0
31	gA	1	Total 43	C 33	N 4	O 6	0
31	gA	1	Total 43	C 33	N 4	O 6	0
31	gA	1	Total 43	C 33	N 4	O 6	0
31	hA	1	Total 43	C 33	N 4	O 6	0
31	iB	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	iB	1	Total 43	C 33	N 4	O 6	0
31	iB	1	Total 43	C 33	N 4	O 6	0
31	jB	1	Total 43	C 33	N 4	O 6	0
31	jB	1	Total 43	C 33	N 4	O 6	0
31	kB	1	Total 43	C 33	N 4	O 6	0
31	kB	1	Total 43	C 33	N 4	O 6	0
31	kB	1	Total 43	C 33	N 4	O 6	0
31	lB	1	Total 43	C 33	N 4	O 6	0
31	lB	1	Total 43	C 33	N 4	O 6	0
31	mB	1	Total 43	C 33	N 4	O 6	0
31	mB	1	Total 43	C 33	N 4	O 6	0
31	mB	1	Total 43	C 33	N 4	O 6	0
31	aB	1	Total 43	C 33	N 4	O 6	0
31	aB	1	Total 43	C 33	N 4	O 6	0
31	aB	1	Total 43	C 33	N 4	O 6	0
31	bB	1	Total 43	C 33	N 4	O 6	0
31	bB	1	Total 43	C 33	N 4	O 6	0
31	cB	1	Total 43	C 33	N 4	O 6	0
31	cB	1	Total 43	C 33	N 4	O 6	0
31	cB	1	Total 43	C 33	N 4	O 6	0
31	dB	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	dB	1	43	33	4	6	0
31	eB	1	43	33	4	6	0
31	eB	1	43	33	4	6	0
31	eB	1	43	33	4	6	0
31	fB	1	43	33	4	6	0
31	fB	1	43	33	4	6	0
31	gB	1	43	33	4	6	0
31	gB	1	43	33	4	6	0
31	gB	1	43	33	4	6	0
31	hB	1	43	33	4	6	0
31	hB	1	43	33	4	6	0
31	fC	1	43	33	4	6	0
31	fC	1	43	33	4	6	0
31	fC	1	43	33	4	6	0
31	gC	1	43	33	4	6	0
31	gC	1	43	33	4	6	0
31	gC	1	43	33	4	6	0
31	hC	1	43	33	4	6	0
31	hC	1	43	33	4	6	0
31	iC	1	43	33	4	6	0
31	iC	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	jC	1	Total 43	C 33	N 4	O 6	0
31	jC	1	Total 43	C 33	N 4	O 6	0
31	jC	1	Total 43	C 33	N 4	O 6	0
31	kC	1	Total 43	C 33	N 4	O 6	0
31	kC	1	Total 43	C 33	N 4	O 6	0
31	kC	1	Total 43	C 33	N 4	O 6	0
31	lC	1	Total 43	C 33	N 4	O 6	0
31	lC	1	Total 43	C 33	N 4	O 6	0
31	mC	1	Total 43	C 33	N 4	O 6	0
31	mC	1	Total 43	C 33	N 4	O 6	0
31	aC	1	Total 43	C 33	N 4	O 6	0
31	aC	1	Total 43	C 33	N 4	O 6	0
31	bC	1	Total 43	C 33	N 4	O 6	0
31	bC	1	Total 43	C 33	N 4	O 6	0
31	cC	1	Total 43	C 33	N 4	O 6	0
31	cC	1	Total 43	C 33	N 4	O 6	0
31	dC	1	Total 43	C 33	N 4	O 6	0
31	dC	1	Total 43	C 33	N 4	O 6	0
31	dC	1	Total 43	C 33	N 4	O 6	0
31	eC	1	Total 43	C 33	N 4	O 6	0
31	eC	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	eC	1	Total 43	C 33	N 4	O 6	0
31	aD	1	Total 43	C 33	N 4	O 6	0
31	aD	1	Total 43	C 33	N 4	O 6	0
31	bD	1	Total 43	C 33	N 4	O 6	0
31	bD	1	Total 43	C 33	N 4	O 6	0
31	cD	1	Total 43	C 33	N 4	O 6	0
31	cD	1	Total 43	C 33	N 4	O 6	0
31	dD	1	Total 43	C 33	N 4	O 6	0
31	dD	1	Total 43	C 33	N 4	O 6	0
31	dD	1	Total 43	C 33	N 4	O 6	0
31	dD	1	Total 43	C 33	N 4	O 6	0
31	eD	1	Total 43	C 33	N 4	O 6	0
31	eD	1	Total 43	C 33	N 4	O 6	0
31	eD	1	Total 43	C 33	N 4	O 6	0
31	fD	1	Total 43	C 33	N 4	O 6	0
31	fD	1	Total 43	C 33	N 4	O 6	0
31	fD	1	Total 43	C 33	N 4	O 6	0
31	gD	1	Total 43	C 33	N 4	O 6	0
31	gD	1	Total 43	C 33	N 4	O 6	0
31	hD	1	Total 43	C 33	N 4	O 6	0
31	hD	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	hD	1	Total 43	C 33	N 4	O 6	0
31	iD	1	Total 43	C 33	N 4	O 6	0
31	iD	1	Total 43	C 33	N 4	O 6	0
31	jD	1	Total 43	C 33	N 4	O 6	0
31	jD	1	Total 43	C 33	N 4	O 6	0
31	kD	1	Total 43	C 33	N 4	O 6	0
31	kD	1	Total 43	C 33	N 4	O 6	0
31	lD	1	Total 43	C 33	N 4	O 6	0
31	lD	1	Total 43	C 33	N 4	O 6	0
31	lD	1	Total 43	C 33	N 4	O 6	0
31	mD	1	Total 43	C 33	N 4	O 6	0
31	mD	1	Total 43	C 33	N 4	O 6	0
31	mD	1	Total 43	C 33	N 4	O 6	0
31	aE	1	Total 43	C 33	N 4	O 6	0
31	aE	1	Total 43	C 33	N 4	O 6	0
31	bE	1	Total 43	C 33	N 4	O 6	0
31	cE	1	Total 43	C 33	N 4	O 6	0
31	cE	1	Total 43	C 33	N 4	O 6	0
31	dE	1	Total 43	C 33	N 4	O 6	0
31	dE	1	Total 43	C 33	N 4	O 6	0
31	dE	1	Total 43	C 33	N 4	O 6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	dE	1	43	33	4	6	0
31	eE	1	43	33	4	6	0
31	eE	1	43	33	4	6	0
31	fE	1	43	33	4	6	0
31	fE	1	43	33	4	6	0
31	fE	1	43	33	4	6	0
31	gE	1	43	33	4	6	0
31	gE	1	43	33	4	6	0
31	hE	1	43	33	4	6	0
31	hE	1	43	33	4	6	0
31	hE	1	43	33	4	6	0
31	iE	1	43	33	4	6	0
31	iE	1	43	33	4	6	0
31	jE	1	43	33	4	6	0
31	jE	1	43	33	4	6	0
31	kE	1	43	33	4	6	0
31	kE	1	43	33	4	6	0
31	lE	1	43	33	4	6	0
31	lE	1	43	33	4	6	0
31	lE	1	43	33	4	6	0
31	mE	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	mE	1	43	33	4	6	0
31	mE	1	43	33	4	6	0
31	aF	1	43	33	4	6	0
31	aF	1	43	33	4	6	0
31	aF	1	43	33	4	6	0
31	bF	1	43	33	4	6	0
31	bF	1	43	33	4	6	0
31	cF	1	43	33	4	6	0
31	cF	1	43	33	4	6	0
31	cF	1	43	33	4	6	0
31	dF	1	43	33	4	6	0
31	dF	1	43	33	4	6	0
31	eF	1	43	33	4	6	0
31	eF	1	43	33	4	6	0
31	eF	1	43	33	4	6	0
31	fF	1	43	33	4	6	0
31	fF	1	43	33	4	6	0
31	gF	1	43	33	4	6	0
31	gF	1	43	33	4	6	0
31	gF	1	43	33	4	6	0
31	hF	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	hF	1	43	33	4	6	0
31	iF	1	43	33	4	6	0
31	iF	1	43	33	4	6	0
31	iF	1	43	33	4	6	0
31	jF	1	43	33	4	6	0
31	jF	1	43	33	4	6	0
31	kF	1	43	33	4	6	0
31	kF	1	43	33	4	6	0
31	kF	1	43	33	4	6	0
31	lF	1	43	33	4	6	0
31	lF	1	43	33	4	6	0
31	lF	1	43	33	4	6	0
31	mF	1	43	33	4	6	0
31	mF	1	43	33	4	6	0
31	nF	1	43	33	4	6	0
31	nF	1	43	33	4	6	0
31	oF	1	43	33	4	6	0
31	oF	1	43	33	4	6	0
31	oF	1	43	33	4	6	0
31	pF	1	43	33	4	6	0
31	pF	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	qF	1	43	33	4	6	0
31	qF	1	43	33	4	6	0
31	qF	1	43	33	4	6	0
31	rF	1	43	33	4	6	0
31	rF	1	43	33	4	6	0
31	sF	1	43	33	4	6	0
31	sF	1	43	33	4	6	0
31	sF	1	43	33	4	6	0
31	tF	1	43	33	4	6	0
31	tF	1	43	33	4	6	0
31	uF	1	43	33	4	6	0
31	uF	1	43	33	4	6	0
31	uF	1	43	33	4	6	0
31	vF	1	43	33	4	6	0
31	vF	1	43	33	4	6	0
31	wF	1	43	33	4	6	0
31	wF	1	43	33	4	6	0
31	wF	1	43	33	4	6	0
31	xF	1	43	33	4	6	0
31	xF	1	43	33	4	6	0
31	xF	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	yF	1	43	33	4	6	0
31	zF	1	43	33	4	6	0
31	aH	1	43	33	4	6	0
31	aH	1	43	33	4	6	0
31	aH	1	43	33	4	6	0
31	aH	1	43	33	4	6	0
31	cH	1	43	33	4	6	0
31	cH	1	43	33	4	6	0
31	dH	1	43	33	4	6	0
31	dH	1	43	33	4	6	0
31	eH	1	43	33	4	6	0
31	eH	1	43	33	4	6	0
31	fH	1	43	33	4	6	0
31	fH	1	43	33	4	6	0
31	fH	1	43	33	4	6	0
31	gH	1	43	33	4	6	0
31	gH	1	43	33	4	6	0
31	hH	1	43	33	4	6	0
31	hH	1	43	33	4	6	0
31	hH	1	43	33	4	6	0
31	iH	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
31	iH	1	Total 43	C 33	N 4	O 6	0
31	jH	1	Total 43	C 33	N 4	O 6	0
31	jH	1	Total 43	C 33	N 4	O 6	0
31	jH	1	Total 43	C 33	N 4	O 6	0
31	kH	1	Total 43	C 33	N 4	O 6	0
31	kH	1	Total 43	C 33	N 4	O 6	0
31	lH	1	Total 43	C 33	N 4	O 6	0
31	lH	1	Total 43	C 33	N 4	O 6	0
31	lH	1	Total 43	C 33	N 4	O 6	0
31	mH	1	Total 43	C 33	N 4	O 6	0
31	mH	1	Total 43	C 33	N 4	O 6	0
31	dJ	1	Total 43	C 33	N 4	O 6	0
31	eK	1	Total 43	C 33	N 4	O 6	0

- Molecule 32 is PHYCOUROBILIN (three-letter code: PUB) (formula: $C_{33}H_{42}N_4O_6$) (labeled as "Ligand of Interest" by depositor).

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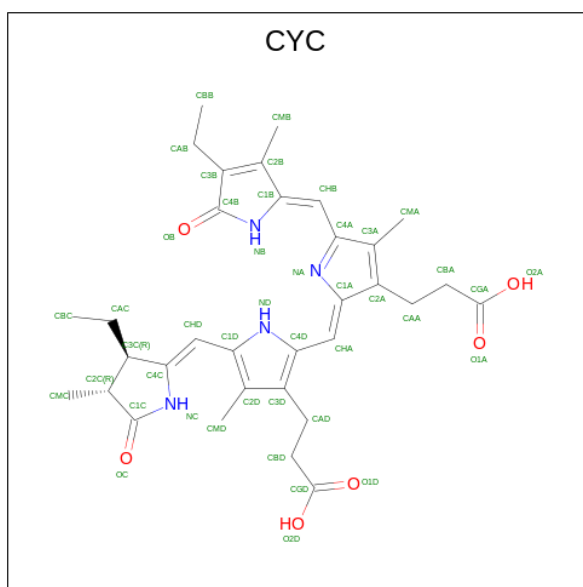
Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
32	ZI	1	43	33	4	6	0
32	ZI	1	43	33	4	6	0
32	AJ	1	43	33	4	6	0
32	NJ	1	43	33	4	6	0
32	KK	1	43	33	4	6	0
32	YK	1	43	33	4	6	0
32	K1	1	43	33	4	6	0
32	Y1	1	43	33	4	6	0
32	A2	1	43	33	4	6	0
32	A2	1	43	33	4	6	0
32	A4	1	43	33	4	6	0
32	A4	1	43	33	4	6	0
32	B4	1	43	33	4	6	0
32	Q4	1	43	33	4	6	0
32	N5	1	43	33	4	6	0
32	A5	1	43	33	4	6	0
32	A6	1	43	33	4	6	0
32	A6	1	43	33	4	6	0
32	w8	1	43	33	4	6	0
32	x8	1	43	33	4	6	0
32	x8	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
32	x8	1	43	33	4	6	0
32	y8	1	43	33	4	6	0
32	y8	1	43	33	4	6	0
32	M9	1	43	33	4	6	0
32	M9	1	43	33	4	6	0
32	Z9	1	43	33	4	6	0
32	Z9	1	43	33	4	6	0
32	wF	1	43	33	4	6	0
32	xF	1	43	33	4	6	0
32	xF	1	43	33	4	6	0
32	xF	1	43	33	4	6	0
32	yF	1	43	33	4	6	0
32	yF	1	43	33	4	6	0

- Molecule 33 is PHYCOCYANOBILIN (three-letter code: CYC) (formula: $C_{33}H_{40}N_4O_6$).



Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
33	CB	1	43	33	4	6	0
33	DB	1	43	33	4	6	0
33	EB	1	43	33	4	6	0
33	FB	1	43	33	4	6	0
33	GB	1	43	33	4	6	0
33	HB	1	43	33	4	6	0
33	IB	1	43	33	4	6	0
33	JB	1	43	33	4	6	0
33	KB	1	43	33	4	6	0
33	LB	1	43	33	4	6	0
33	MB	1	43	33	4	6	0
33	NB	1	43	33	4	6	0
33	CC	1	43	33	4	6	0
33	DC	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
33	DC	1	43	33	4	6	0
33	EC	1	43	33	4	6	0
33	FC	1	43	33	4	6	0
33	HC	1	43	33	4	6	0
33	JC	1	43	33	4	6	0
33	JC	1	43	33	4	6	0
33	KC	1	43	33	4	6	0
33	LC	1	43	33	4	6	0
33	LC	1	43	33	4	6	0
33	NC	1	43	33	4	6	0
33	BD	1	43	33	4	6	0
33	BD	1	43	33	4	6	0
33	DD	1	43	33	4	6	0
33	ED	1	43	33	4	6	0
33	FD	1	43	33	4	6	0
33	FD	1	43	33	4	6	0
33	GD	1	43	33	4	6	0
33	HD	1	43	33	4	6	0
33	ID	1	43	33	4	6	0
33	KD	1	43	33	4	6	0
33	LD	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
33	MD	1	43	33	4	6	0
33	BE	1	43	33	4	6	0
33	BE	1	43	33	4	6	0
33	CE	1	43	33	4	6	0
33	DE	1	43	33	4	6	0
33	EE	1	43	33	4	6	0
33	FE	1	43	33	4	6	0
33	GE	1	43	33	4	6	0
33	HE	1	43	33	4	6	0
33	IE	1	43	33	4	6	0
33	KE	1	43	33	4	6	0
33	LE	1	43	33	4	6	0
33	ME	1	43	33	4	6	0
33	L2	1	43	33	4	6	0
33	M2	1	43	33	4	6	0
33	N2	1	43	33	4	6	0
33	C2	1	43	33	4	6	0
33	D2	1	43	33	4	6	0
33	D2	1	43	33	4	6	0
33	E2	1	43	33	4	6	0
33	F2	1	43	33	4	6	0

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Mol	Chain	Residues	Atoms				AltConf	
			Total	C	N	O		
33	H2	1	43	33	4	6	0	
33	I2	1	43	33	4	6	0	
33	J2	1	43	33	4	6	0	
33	K2	1	43	33	4	6	0	
33	A3	1	81	33	38	4	6	0
33	B3	1	81	33	38	4	6	0
33	C3	1	81	33	38	4	6	0
33	D3	1	81	33	38	4	6	0
33	E3	1	81	33	38	4	6	0
33	F3	1	81	33	38	4	6	0
33	G3	1	81	33	38	4	6	0
33	H3	1	81	33	38	4	6	0
33	I3	1	81	33	38	4	6	0
33	J3	1	81	33	38	4	6	0
33	K3	1	81	33	38	4	6	0
33	L3	1	81	33	38	4	6	0
33	M3	1	81	33	38	4	6	0
33	N3	1	81	33	38	4	6	0
33	O3	1	81	33	38	4	6	0
33	P3	1	81	33	38	4	6	0
33	Q3	1	81	33	38	4	6	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	H	N	O	
33	R3	1	81	33	38	4	6	0
33	S3	1	81	33	38	4	6	0
33	T3	1	81	33	38	4	6	0
33	U3	1	81	33	38	4	6	0
33	V3	1	81	33	38	4	6	0
33	W3	1	81	33	38	4	6	0
33	c3	1	81	33	38	4	6	0
33	d3	1	81	33	38	4	6	0
33	e3	1	81	33	38	4	6	0
33	f3	1	81	33	38	4	6	0
33	g3	1	81	33	38	4	6	0
33	h3	1	81	33	38	4	6	0
33	i3	1	81	33	38	4	6	0
33	j3	1	81	33	38	4	6	0
33	k3	1	81	33	38	4	6	0
33	l3	1	81	33	38	4	6	0
33	m3	1	81	33	38	4	6	0
33	n3	1	81	33	38	4	6	0
33	o3	1	81	33	38	4	6	0
33	p3	1	81	33	38	4	6	0
33	q3	1	81	33	38	4	6	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	H	N	O	
33	r3	1	Total 81	C 33	H 38	N 4	O 6	0
33	t3	1	Total 81	C 33	H 38	N 4	O 6	0
33	u3	1	Total 81	C 33	H 38	N 4	O 6	0
33	v3	1	Total 81	C 33	H 38	N 4	O 6	0
33	w3	1	Total 81	C 33	H 38	N 4	O 6	0
33	x3	1	Total 81	C 33	H 38	N 4	O 6	0
33	y3	1	Total 81	C 33	H 38	N 4	O 6	0
33	63	1	Total 81	C 33	H 38	N 4	O 6	0
33	73	1	Total 81	C 33	H 38	N 4	O 6	0
33	73	1	Total 81	C 33	H 38	N 4	O 6	0
33	F6	1	Total 43	C 33	N 4	O 6		0
33	G6	1	Total 43	C 33	N 4	O 6		0
33	H6	1	Total 43	C 33	N 4	O 6		0
33	I6	1	Total 43	C 33	N 4	O 6		0
33	J6	1	Total 43	C 33	N 4	O 6		0
33	K6	1	Total 43	C 33	N 4	O 6		0
33	L6	1	Total 43	C 33	N 4	O 6		0
33	M6	1	Total 43	C 33	N 4	O 6		0
33	N6	1	Total 43	C 33	N 4	O 6		0
33	C6	1	Total 43	C 33	N 4	O 6		0
33	D6	1	Total 43	C 33	N 4	O 6		0

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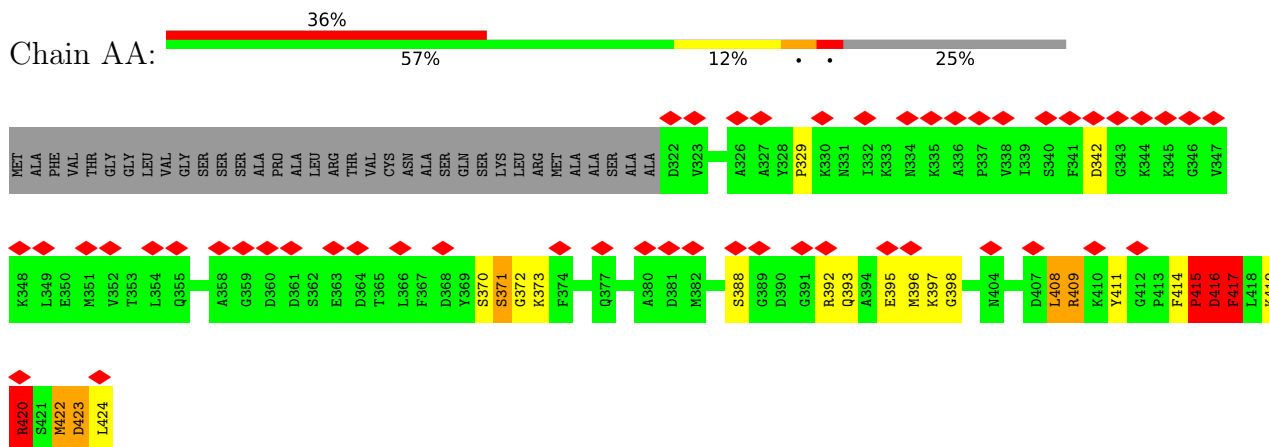
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Mol	Chain	Residues	Atoms				AltConf
			Total	C	N	O	
33	E6	1	43	33	4	6	0

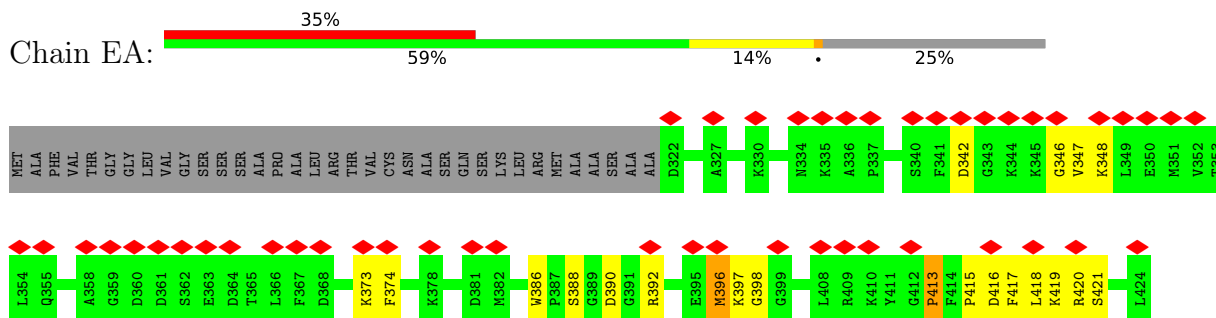
3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

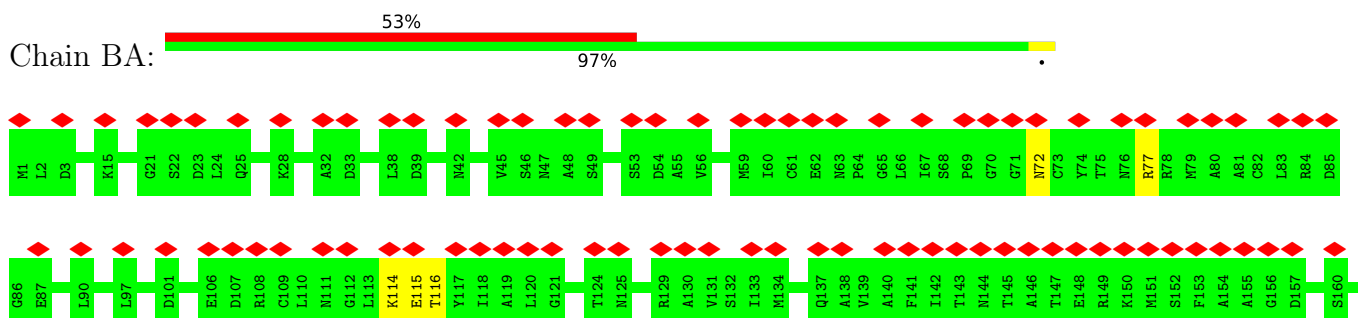
- Molecule 1: Linker4

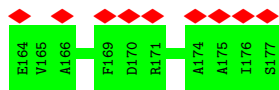


- Molecule 1: Linker4

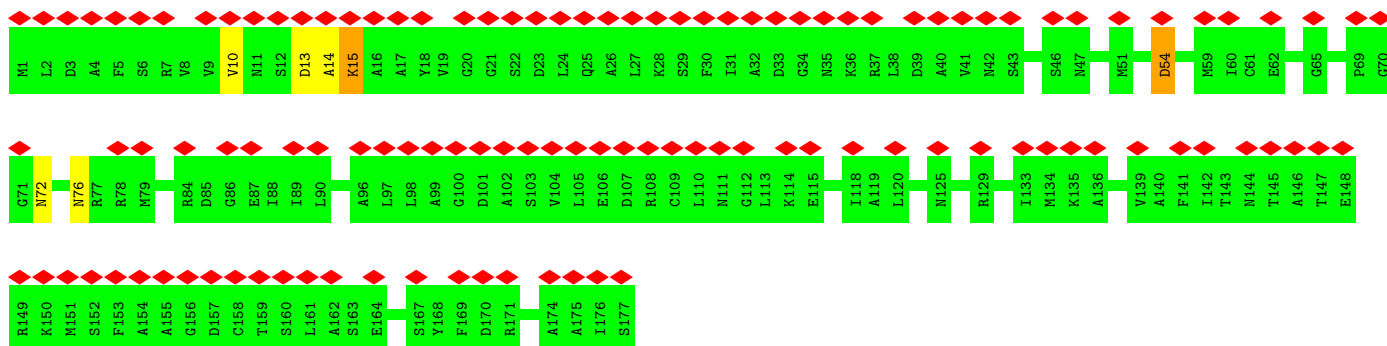


- Molecule 2: B-phycoerythrin beta chain

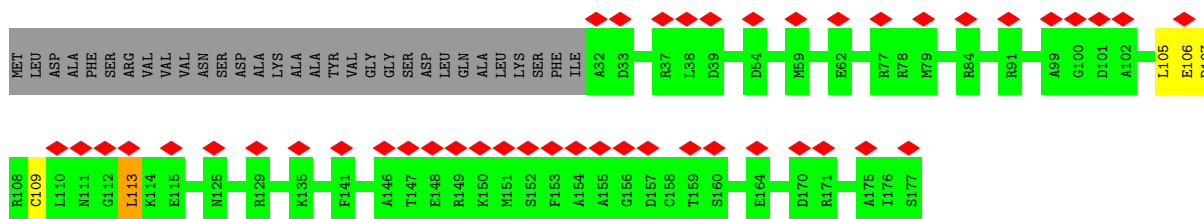
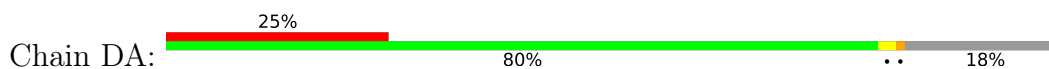




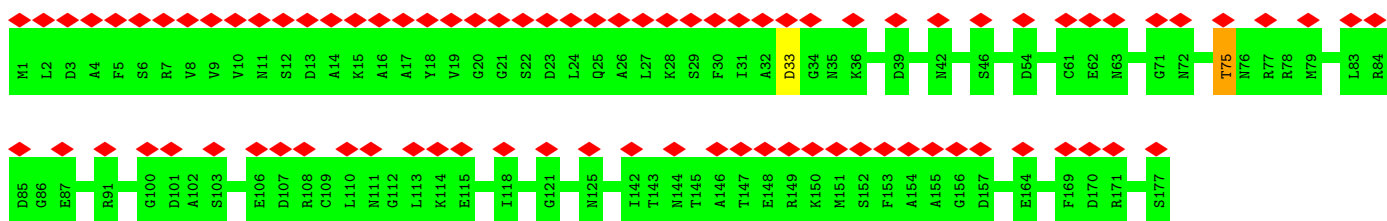
- Molecule 2: B-phycoerythrin beta chain



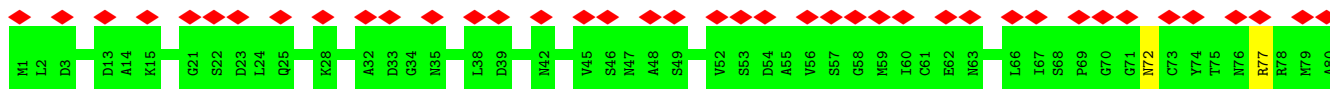
- Molecule 2: B-phycoerythrin beta chain



- Molecule 2: B-phycoerythrin beta chain



- Molecule 2: B-phycoerythrin beta chain

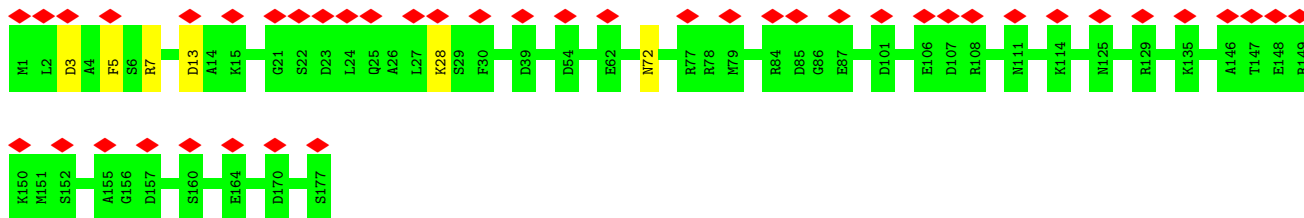




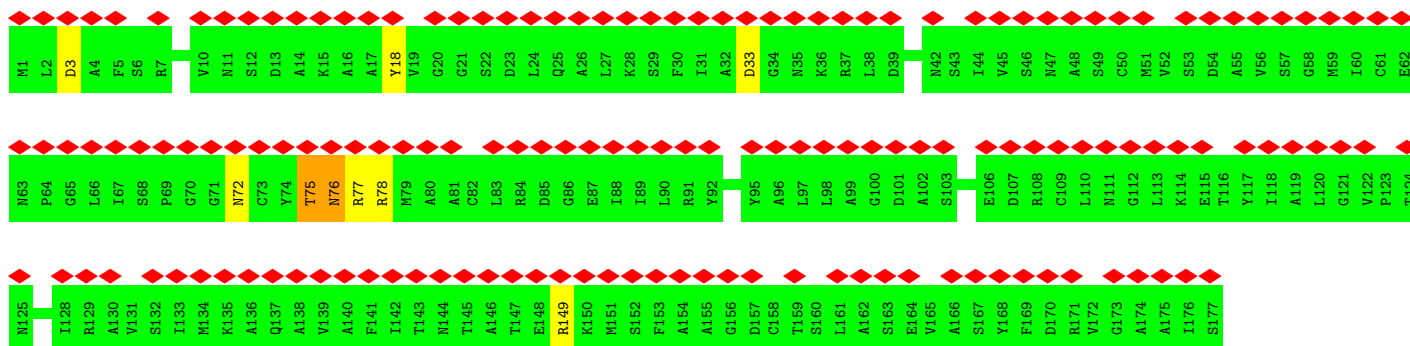
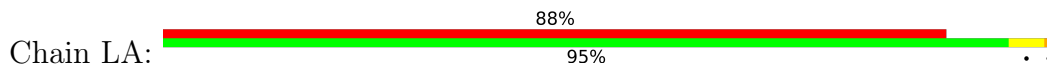
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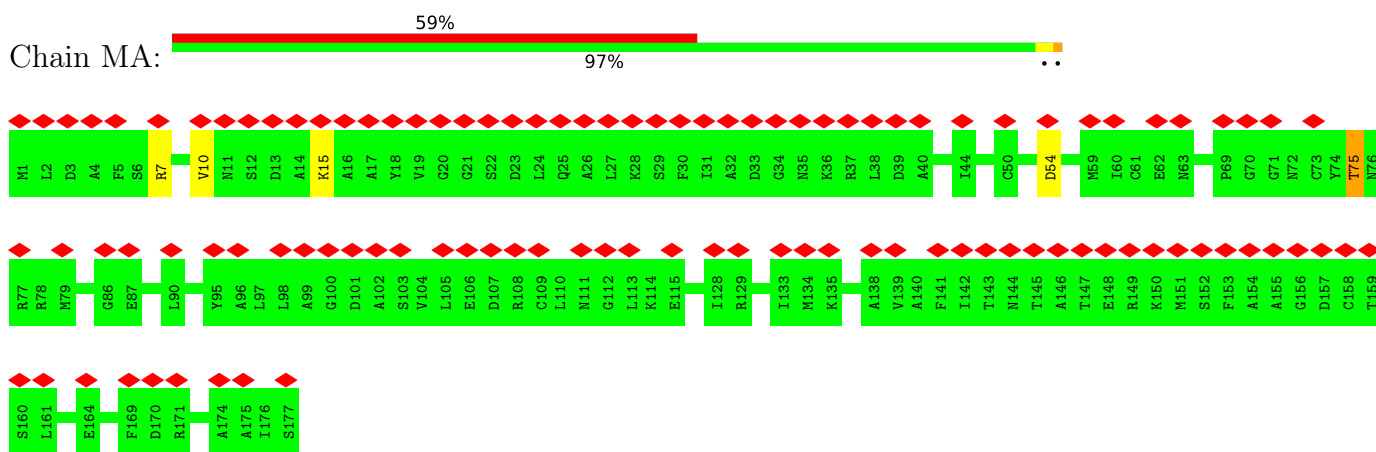
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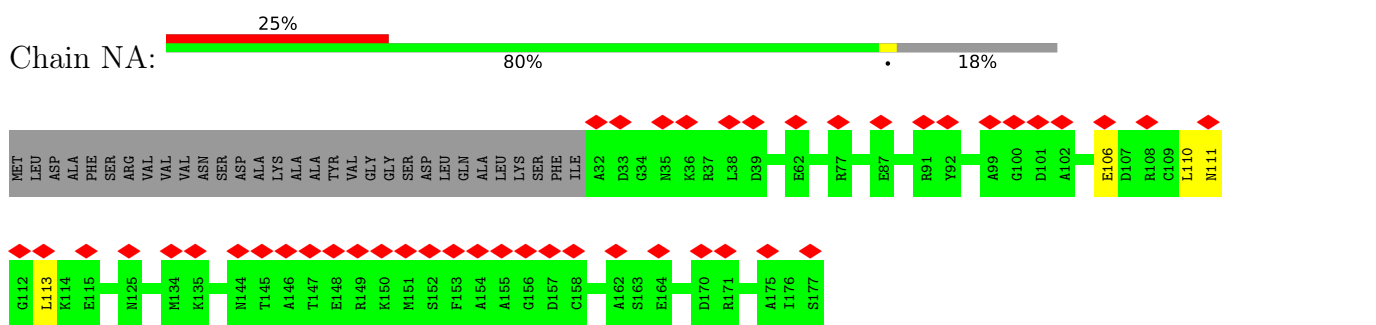
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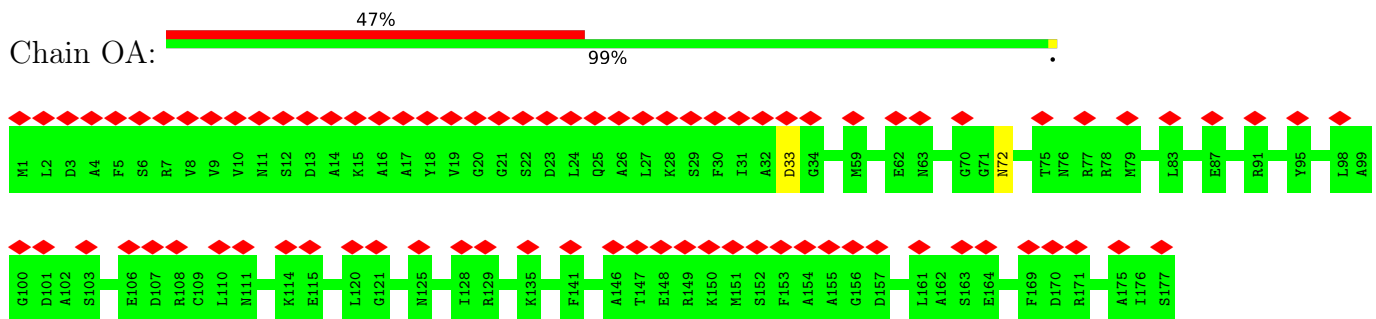
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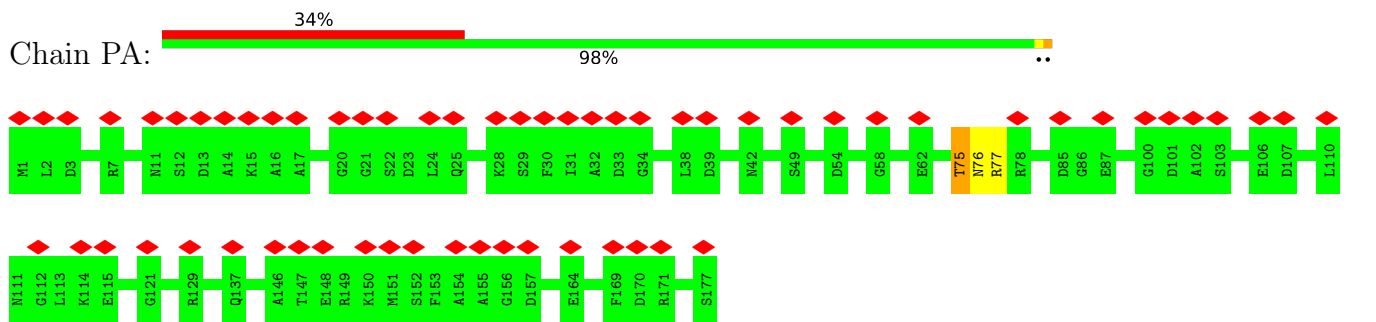
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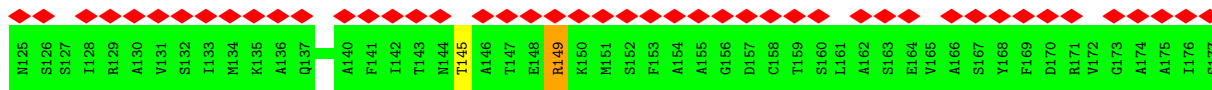


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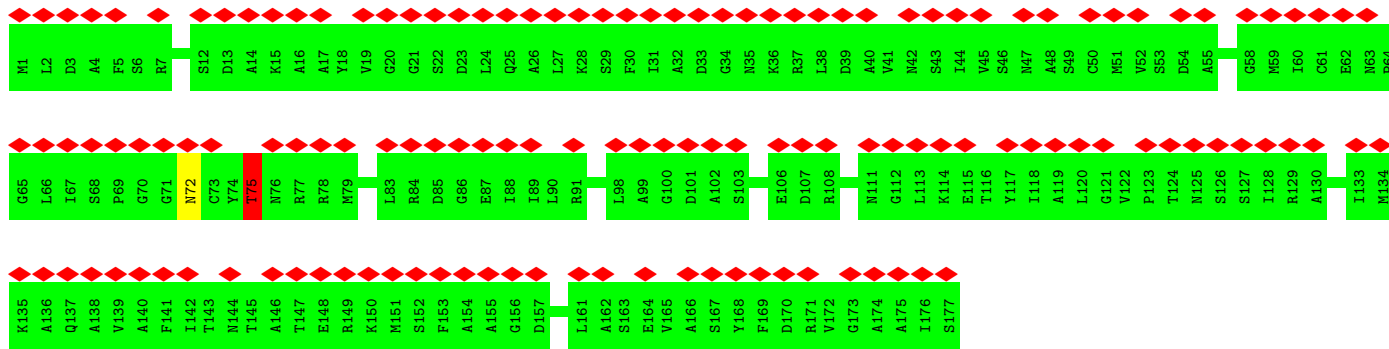
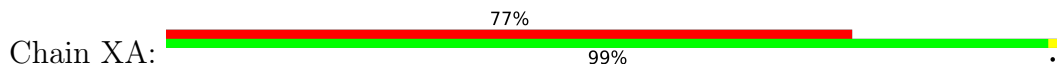


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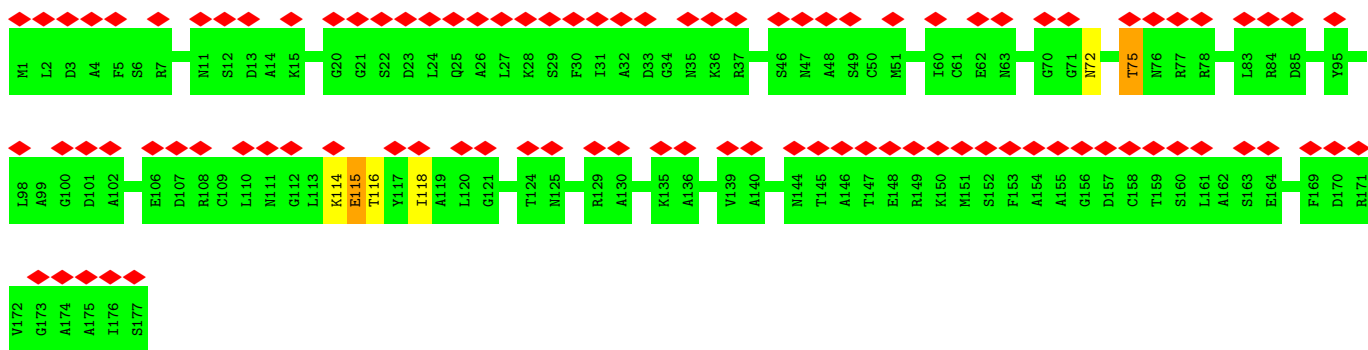




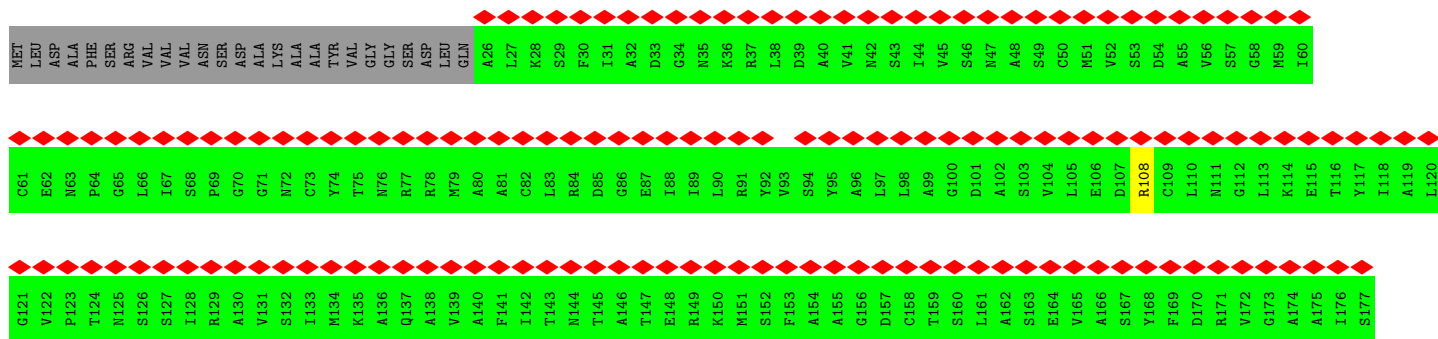
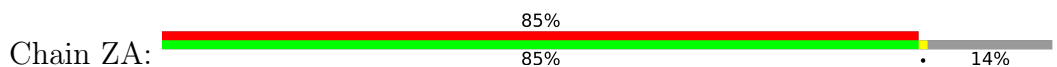
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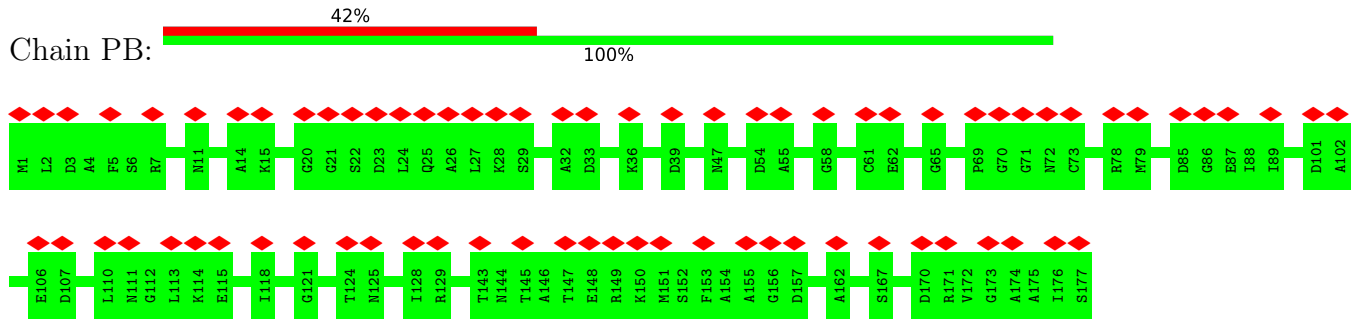
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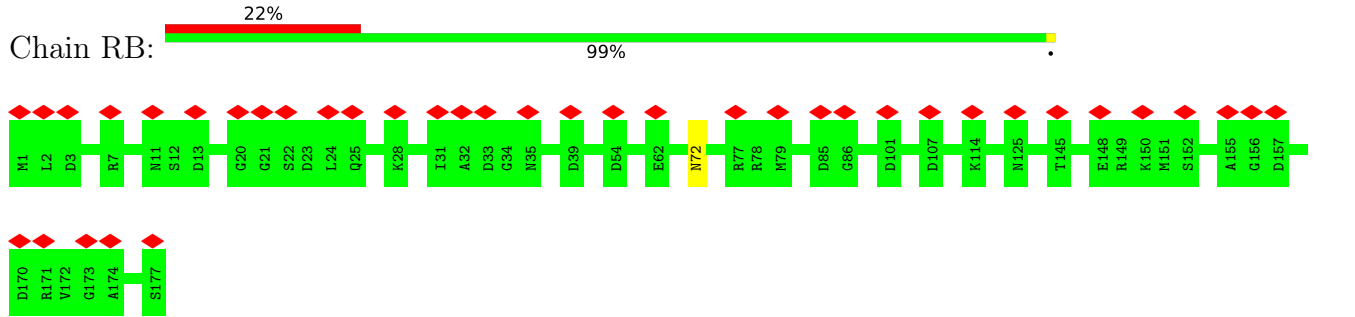
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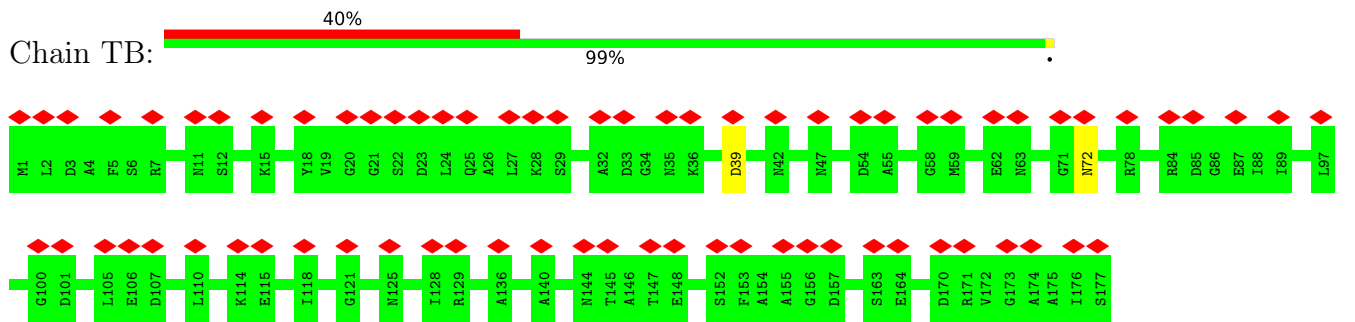
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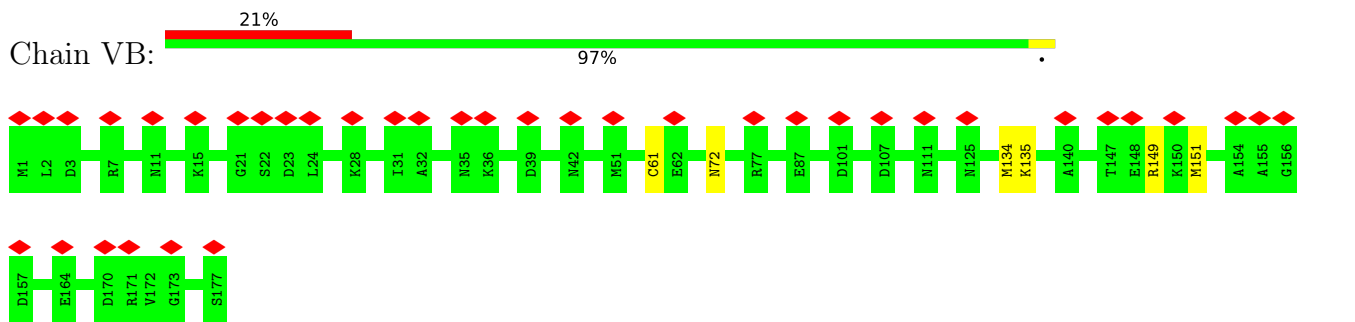
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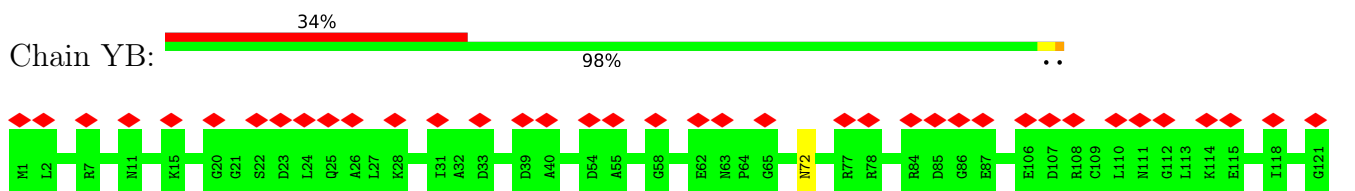
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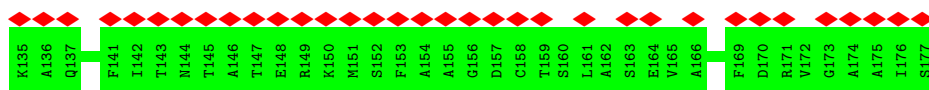
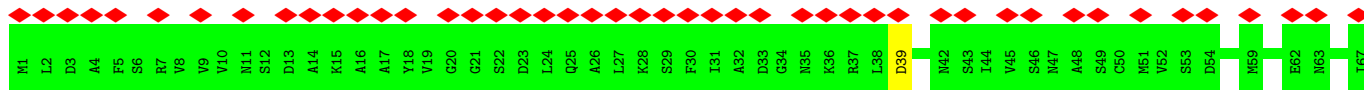
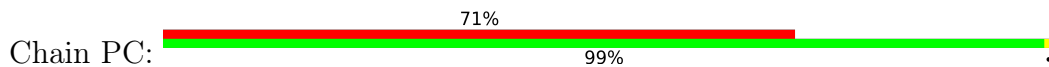


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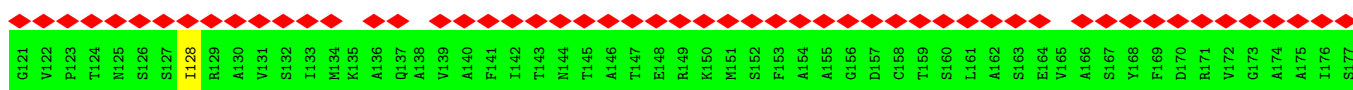
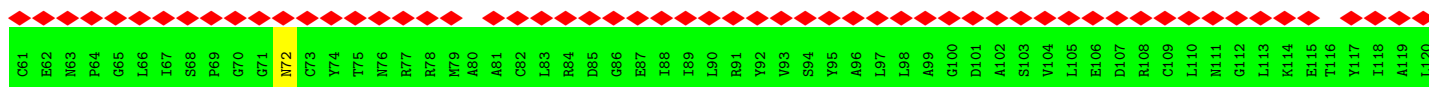




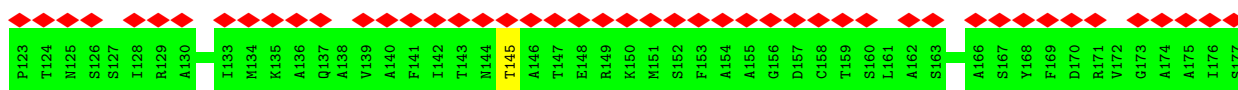
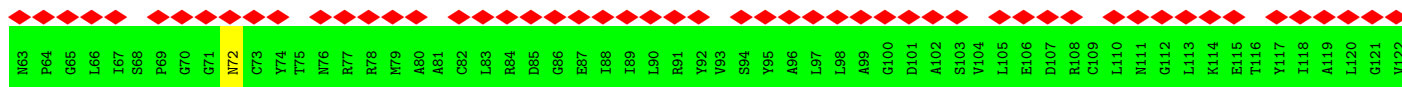
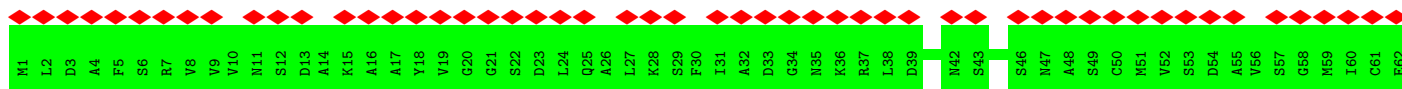
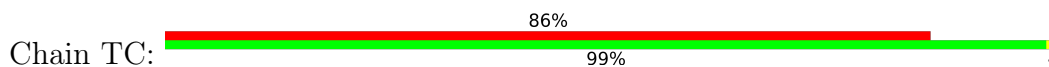
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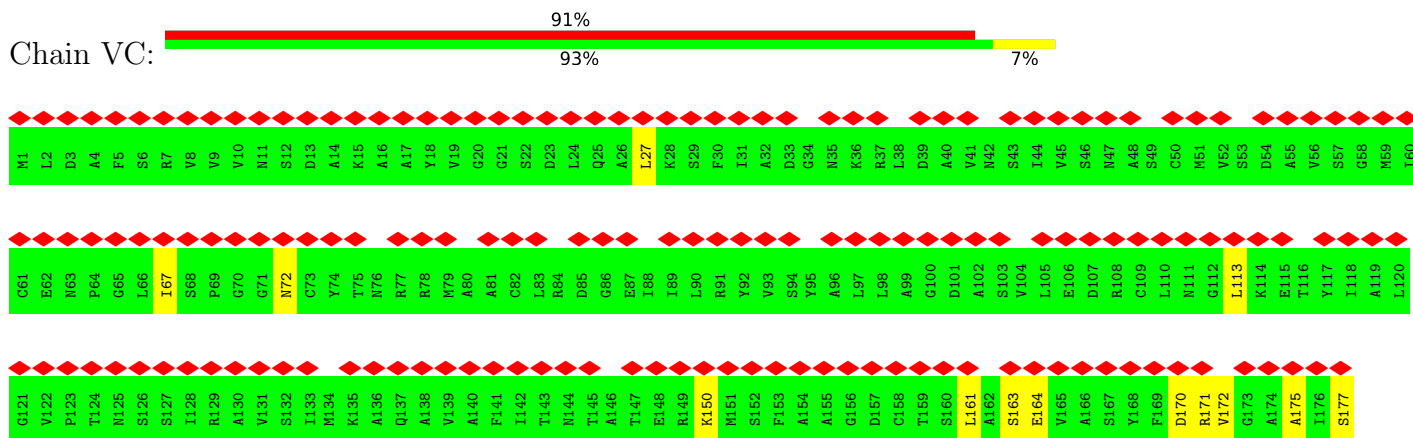
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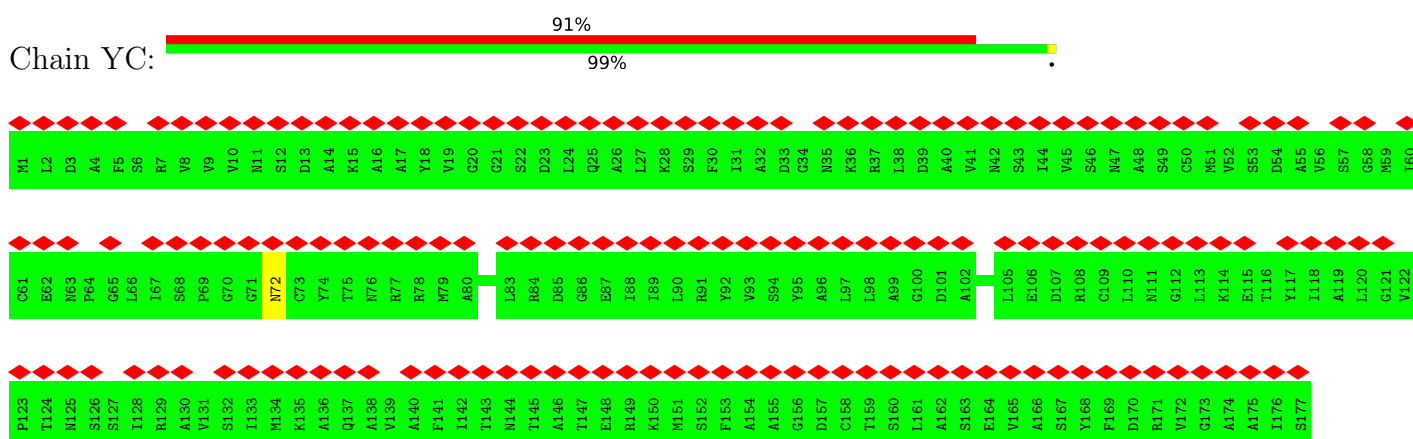
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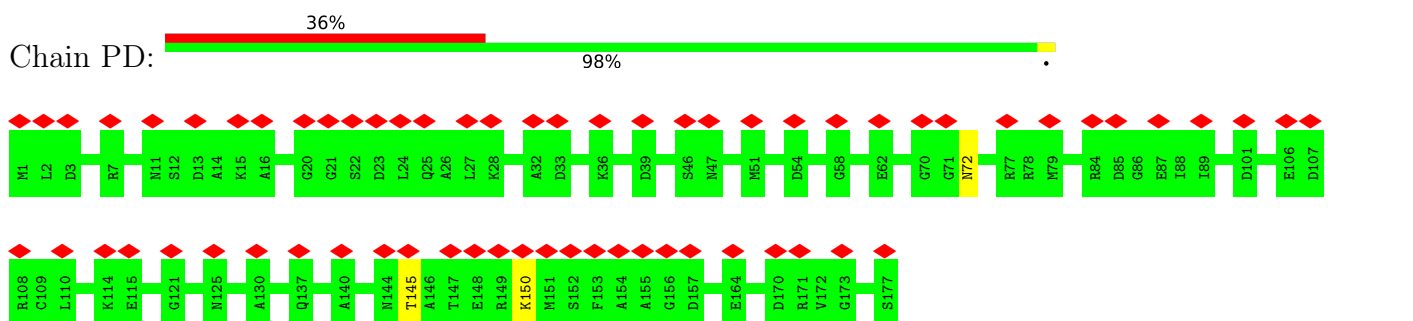
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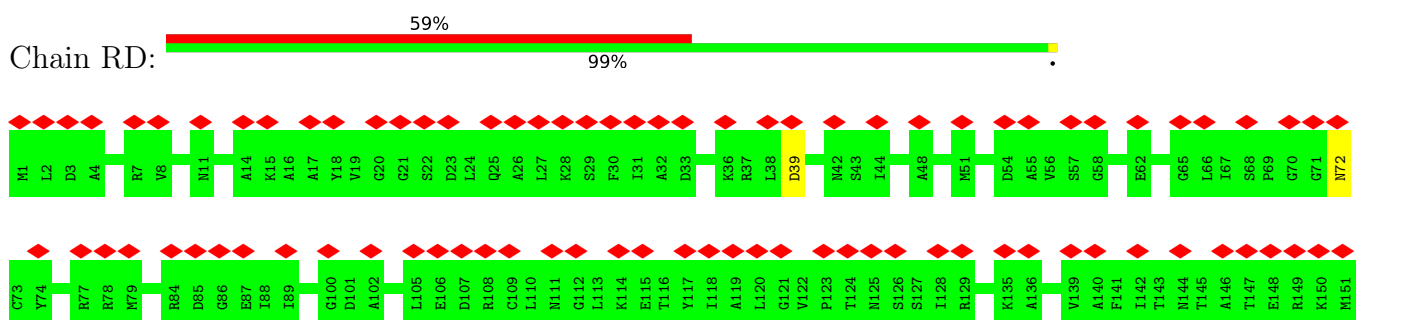
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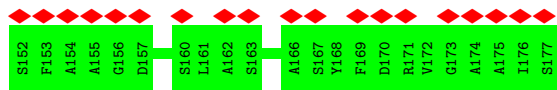


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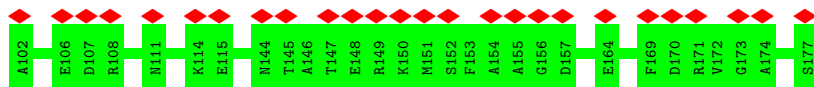
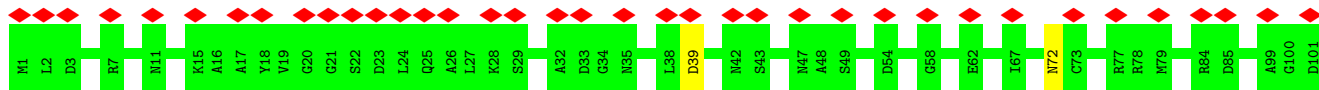


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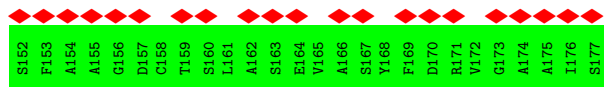
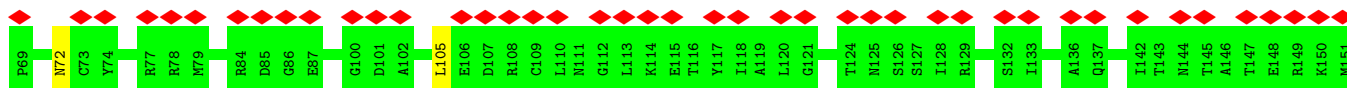
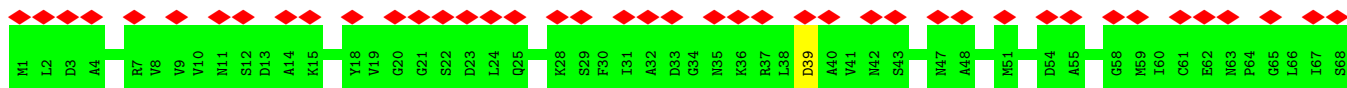




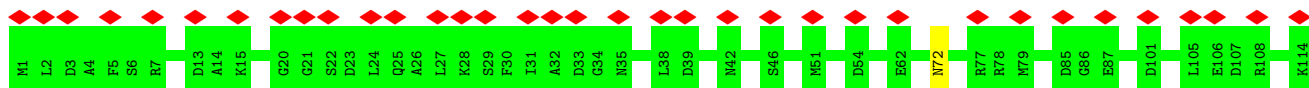
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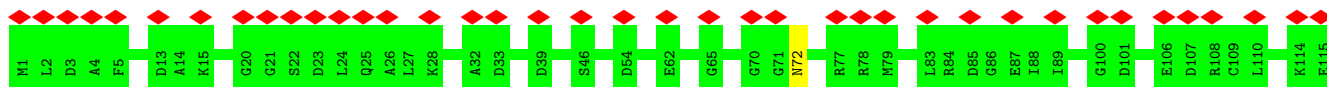
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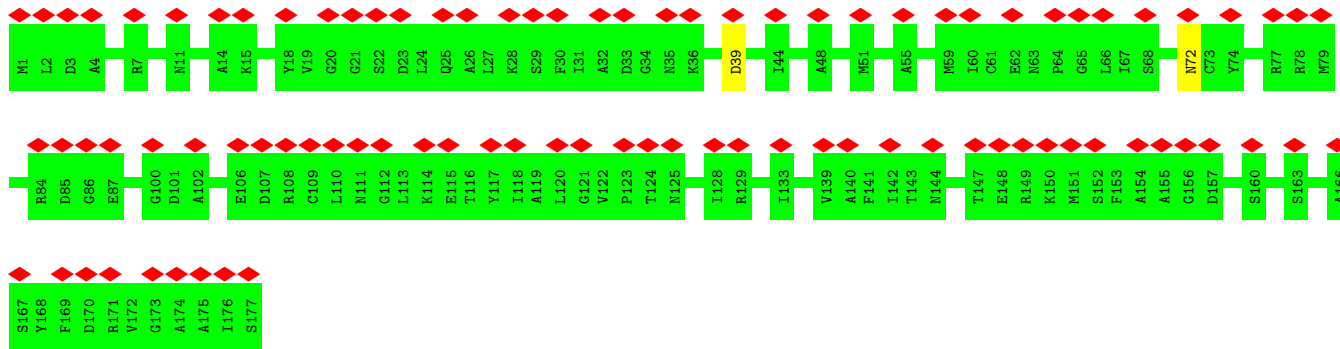


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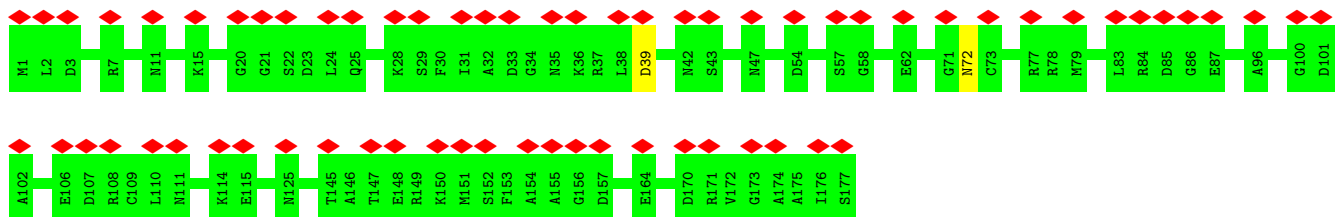




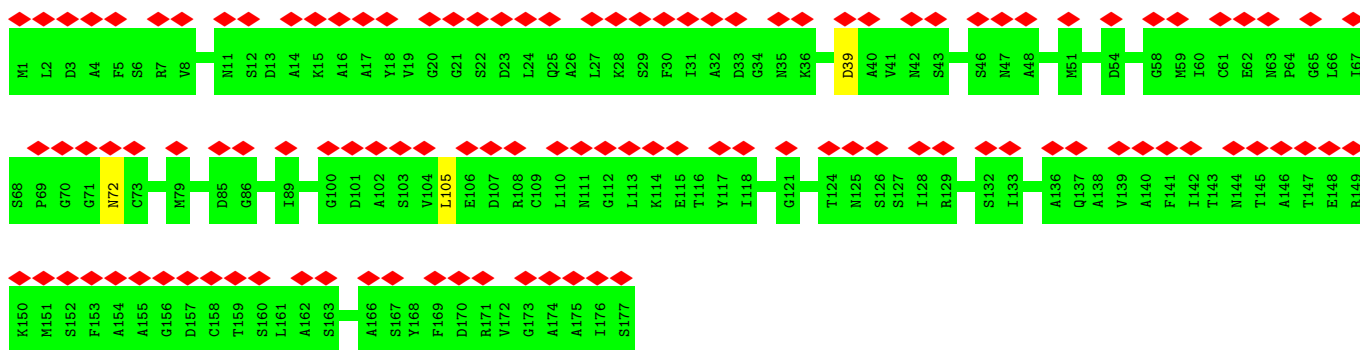
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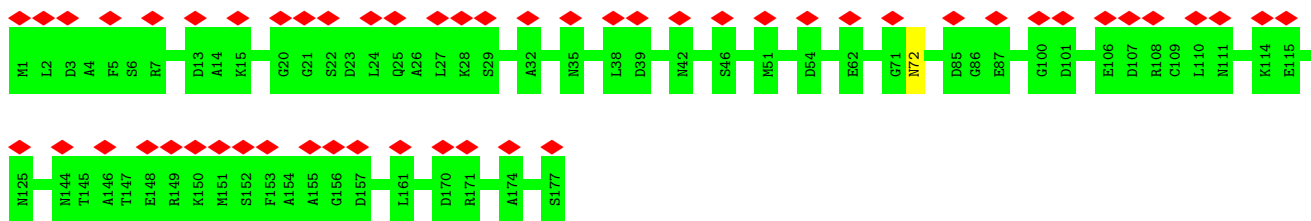


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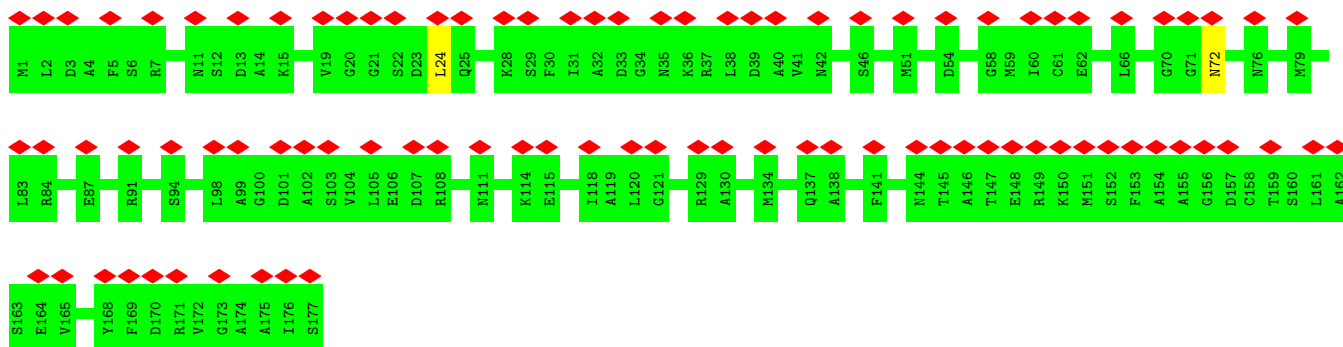


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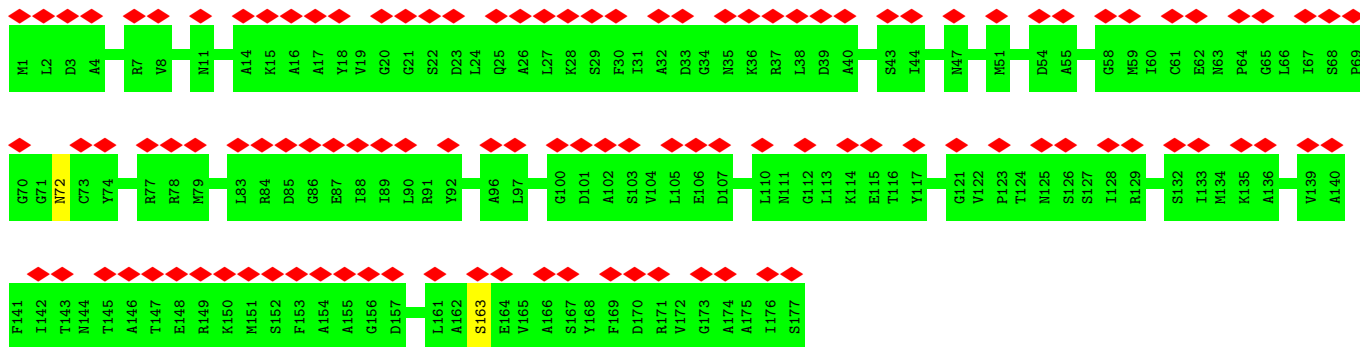




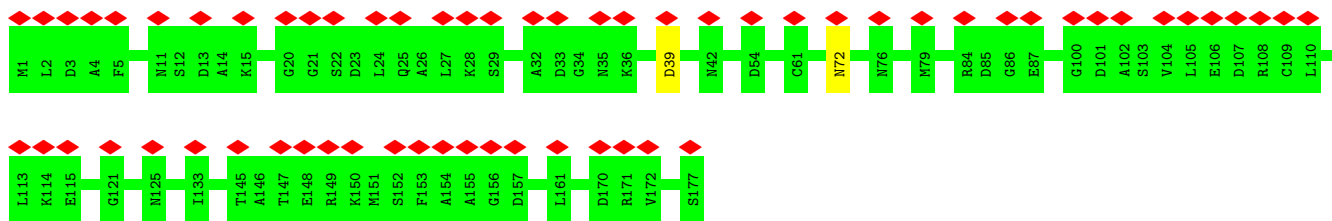
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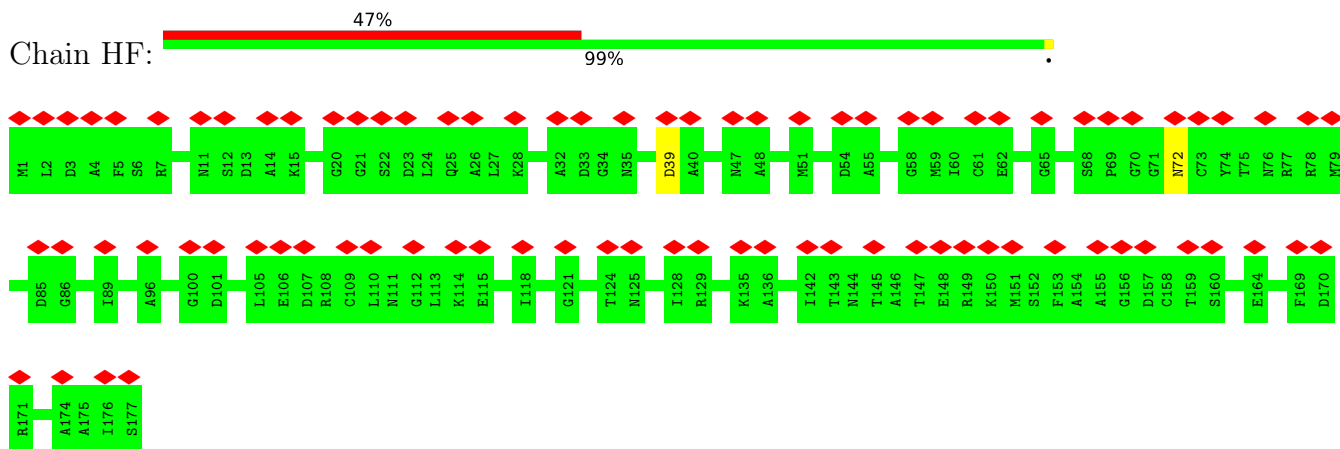
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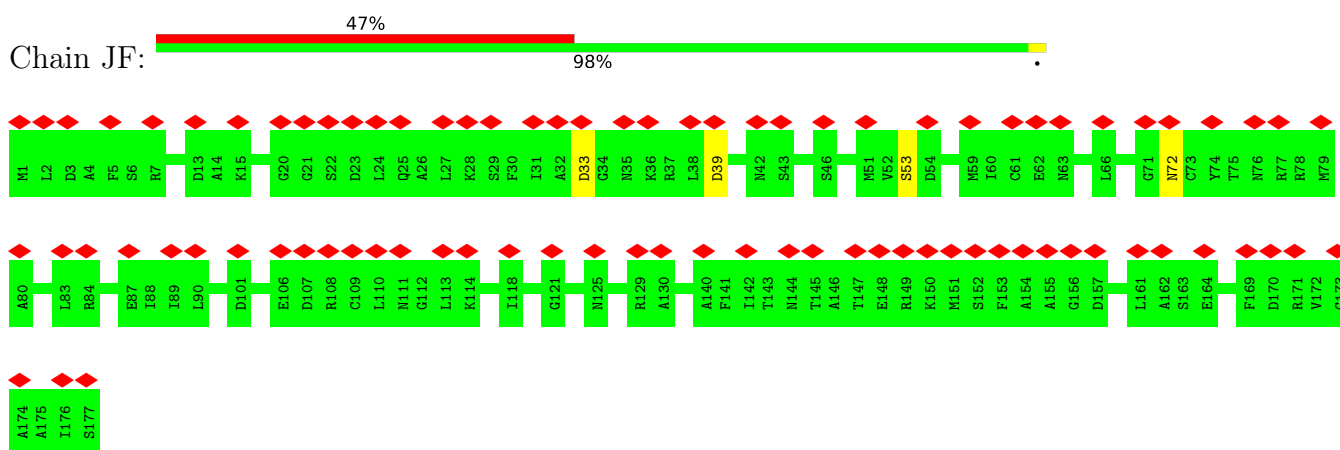
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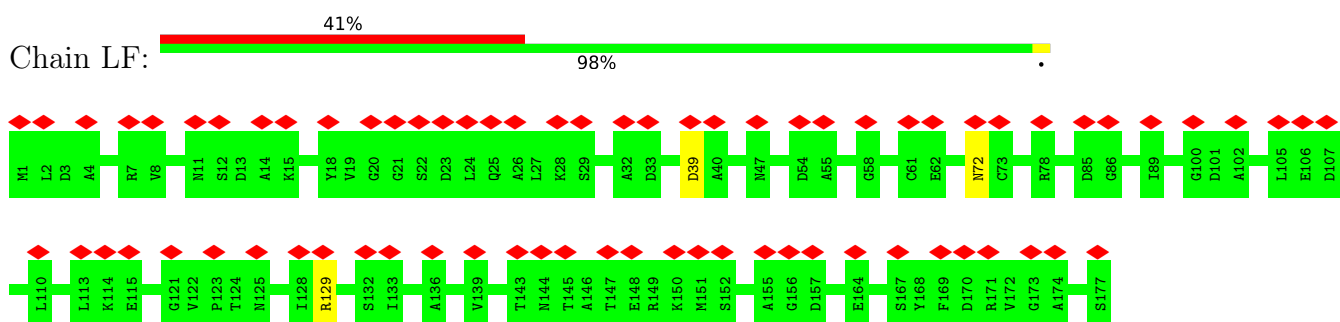
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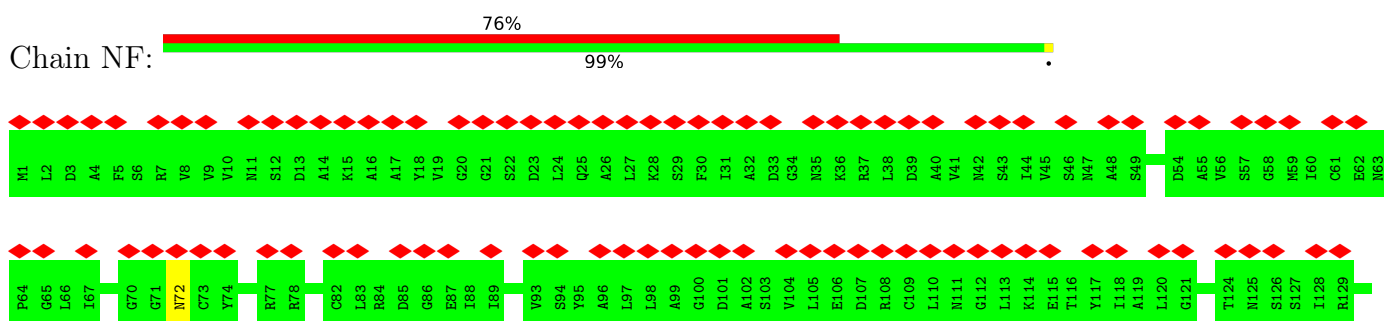
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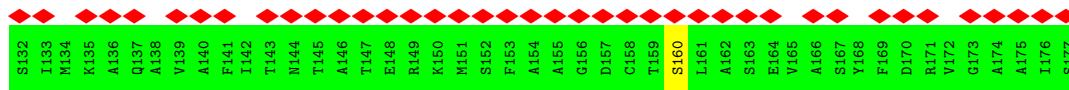


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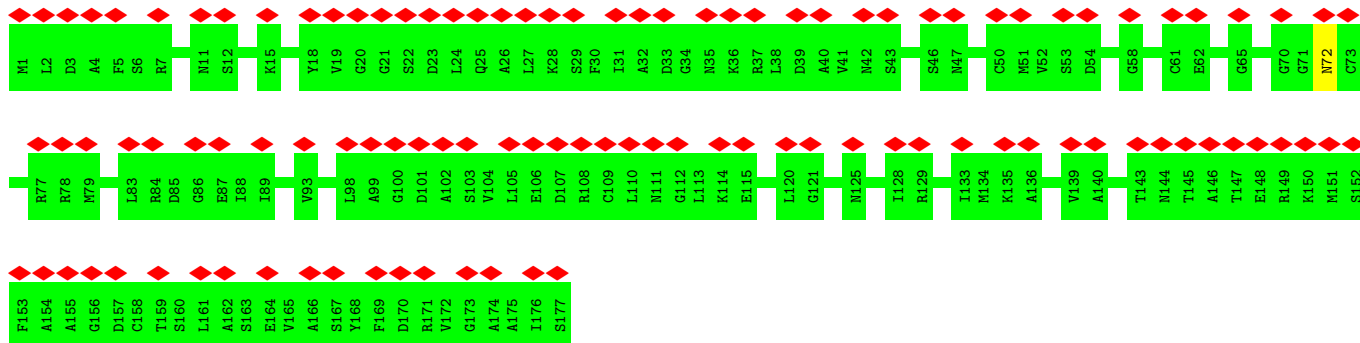


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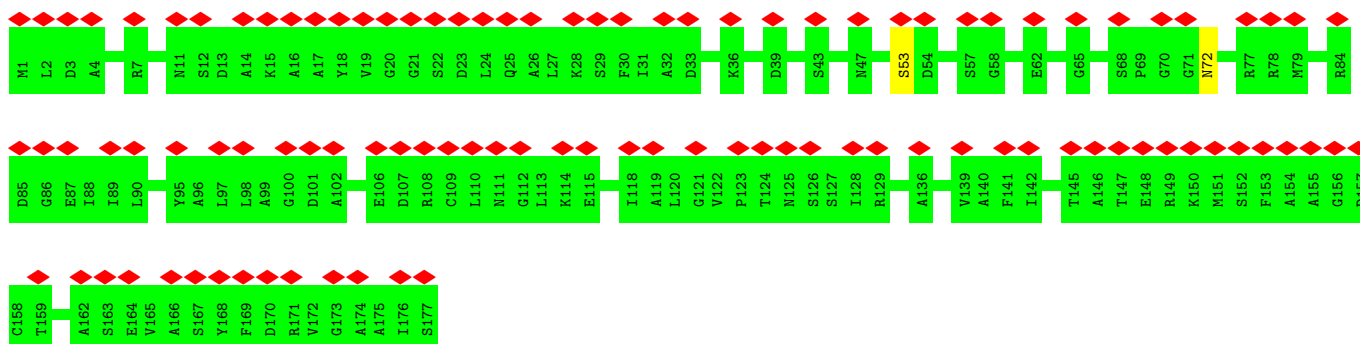




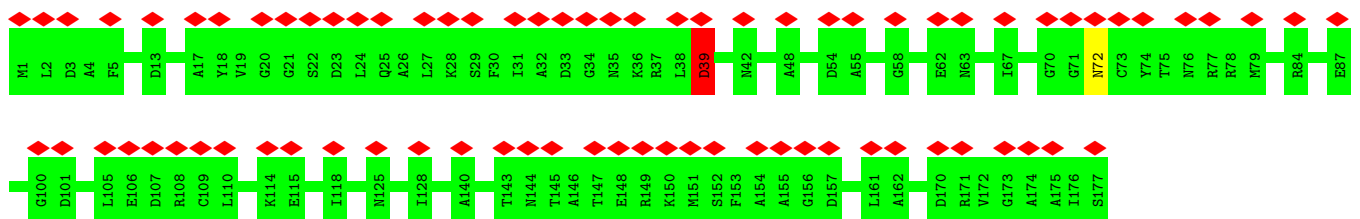
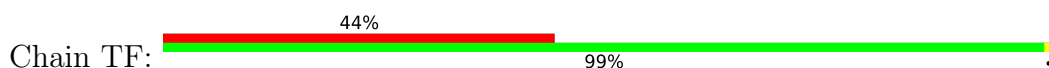
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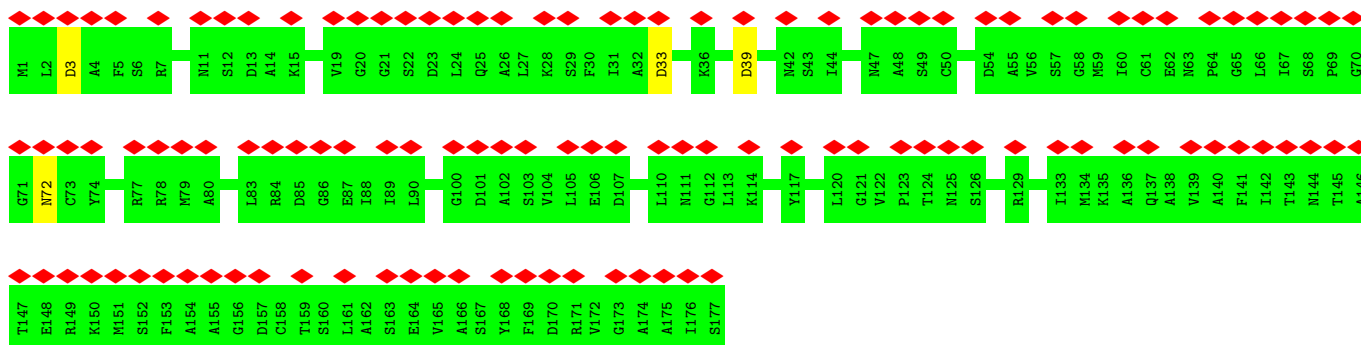


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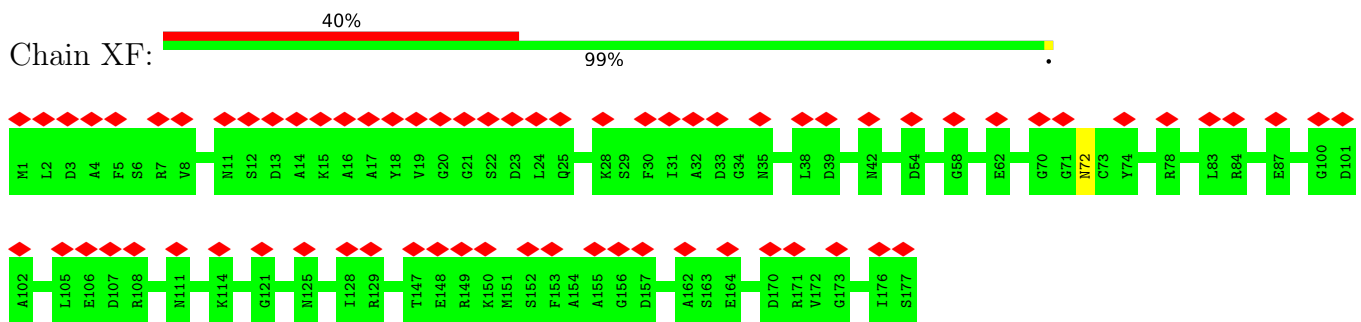


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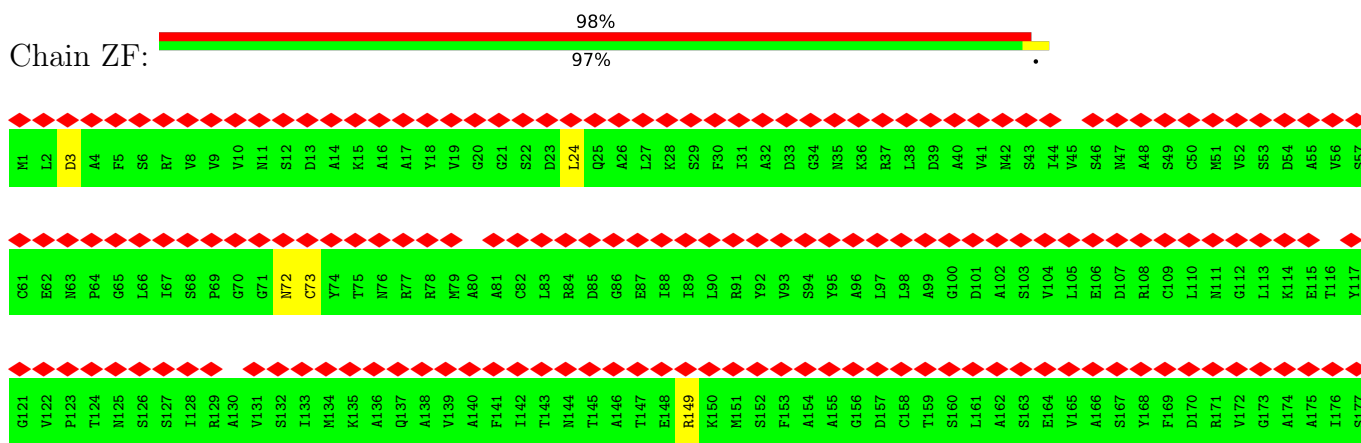




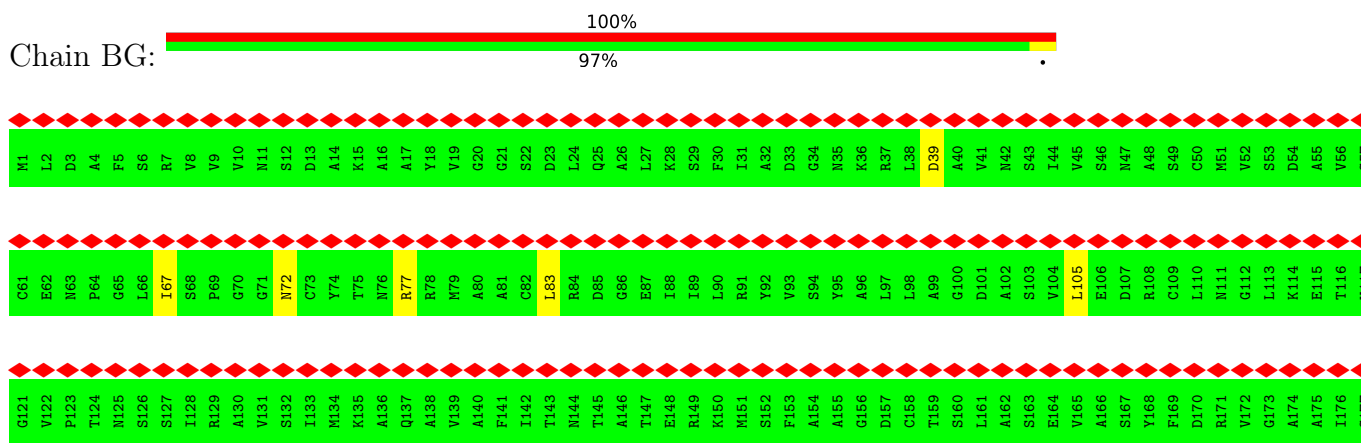
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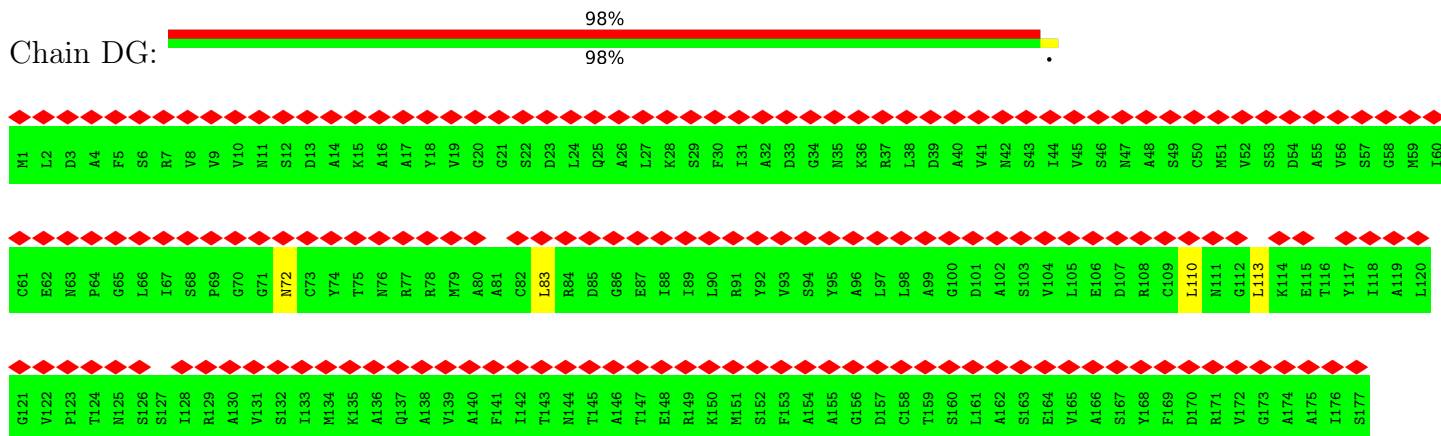
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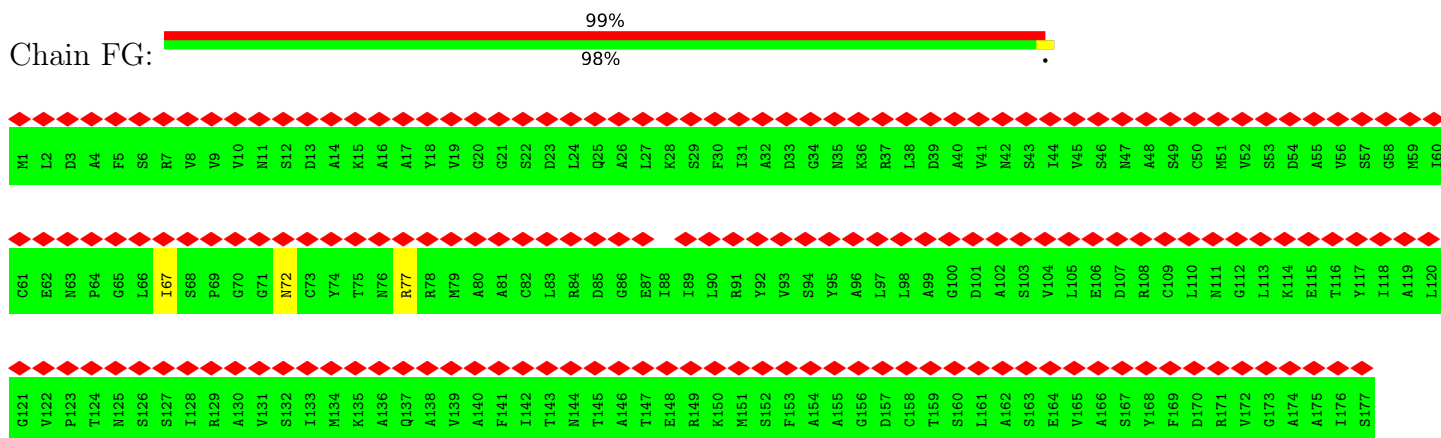
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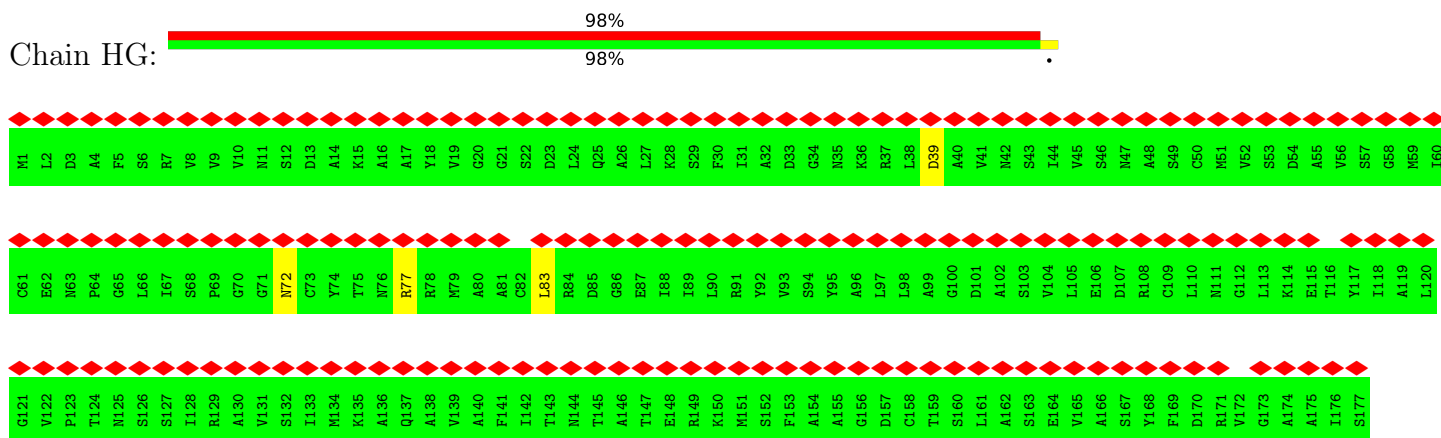
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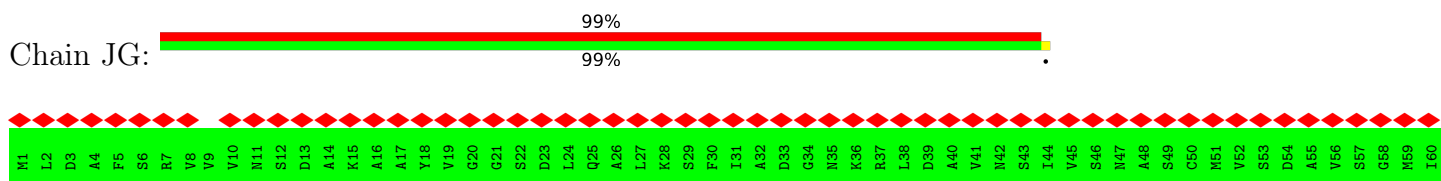
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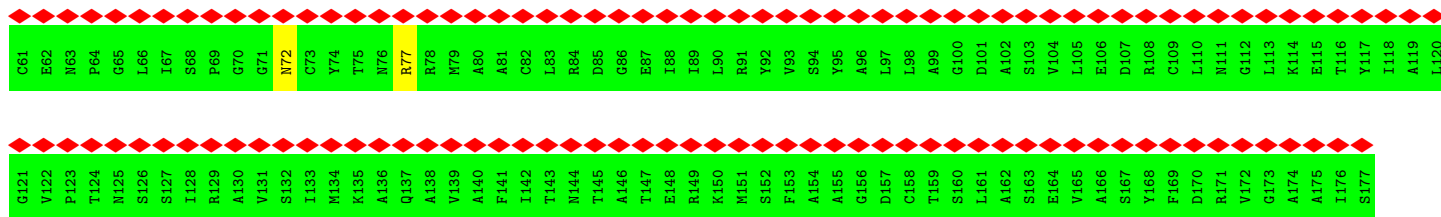


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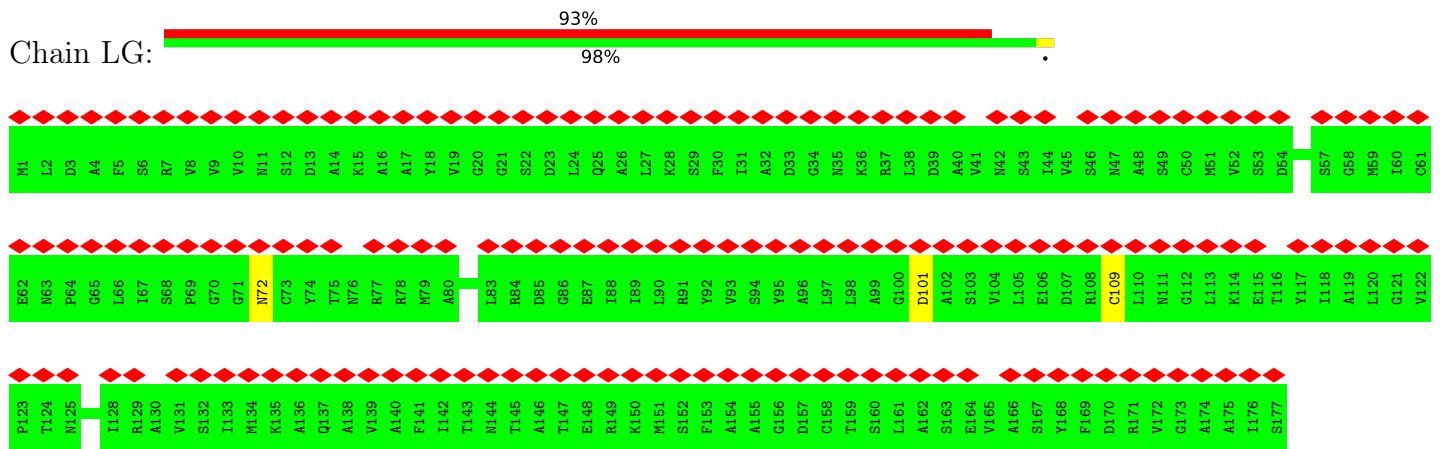


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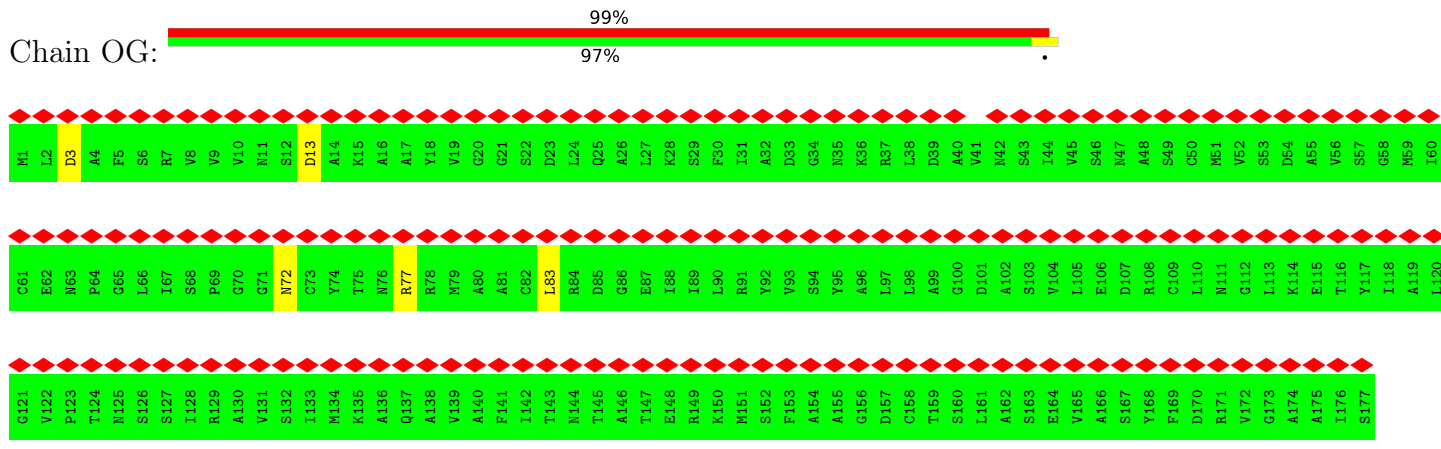




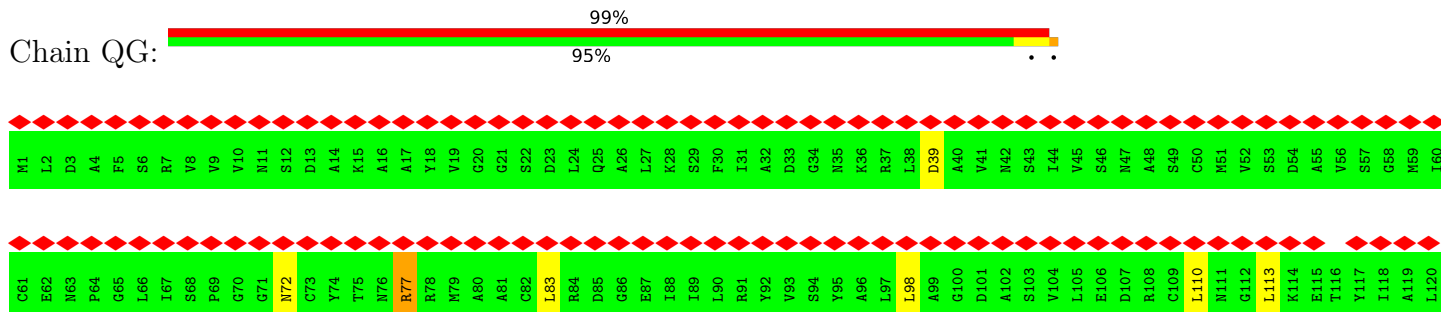
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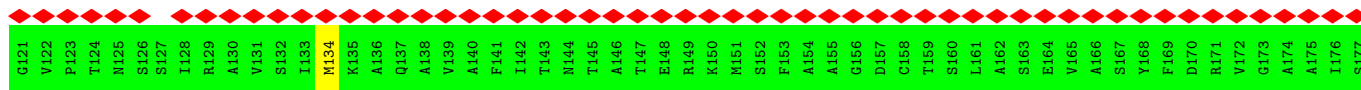


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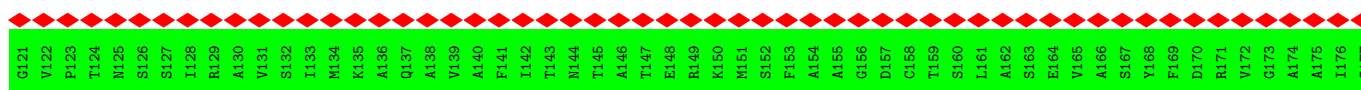
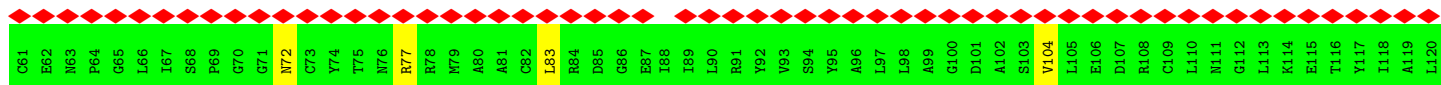
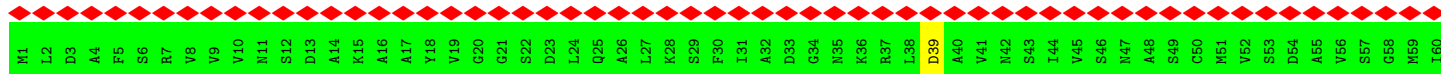


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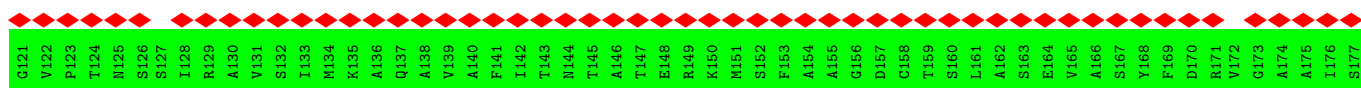
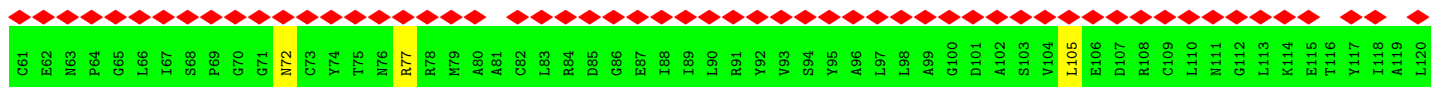
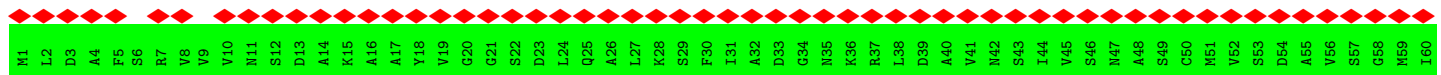




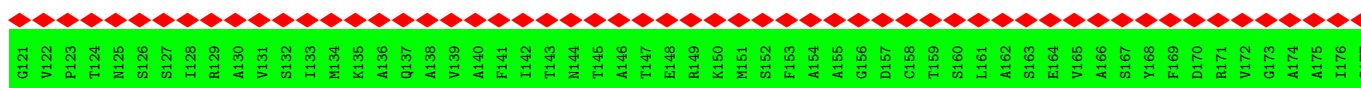
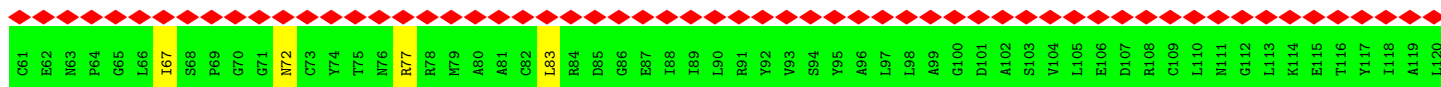
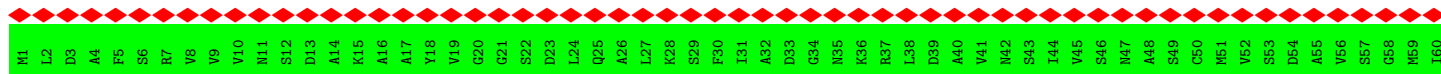
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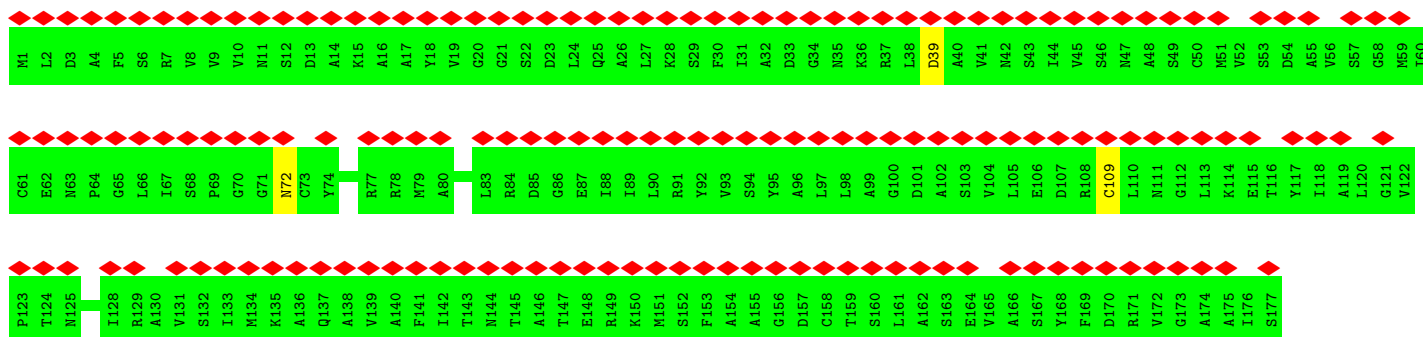


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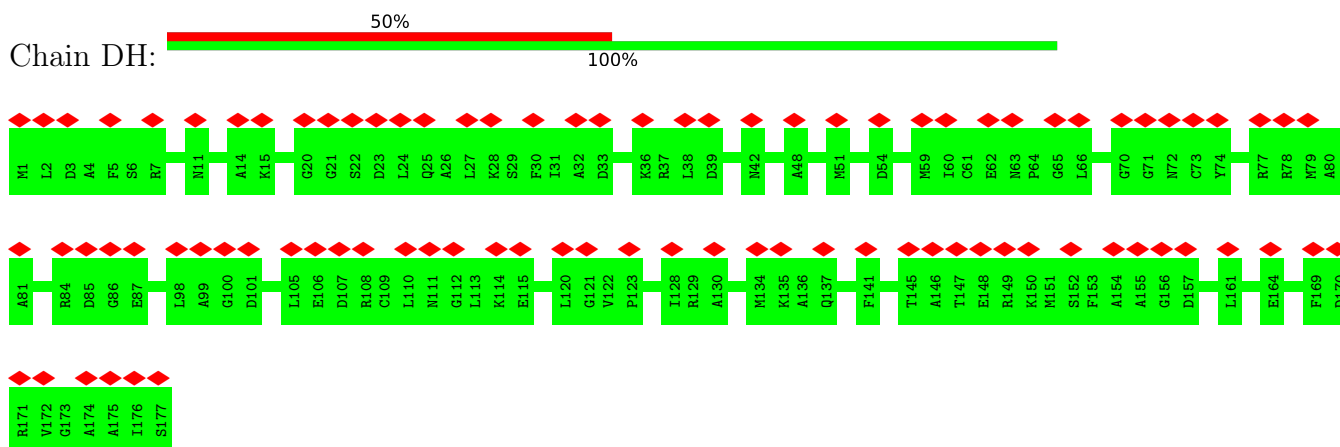


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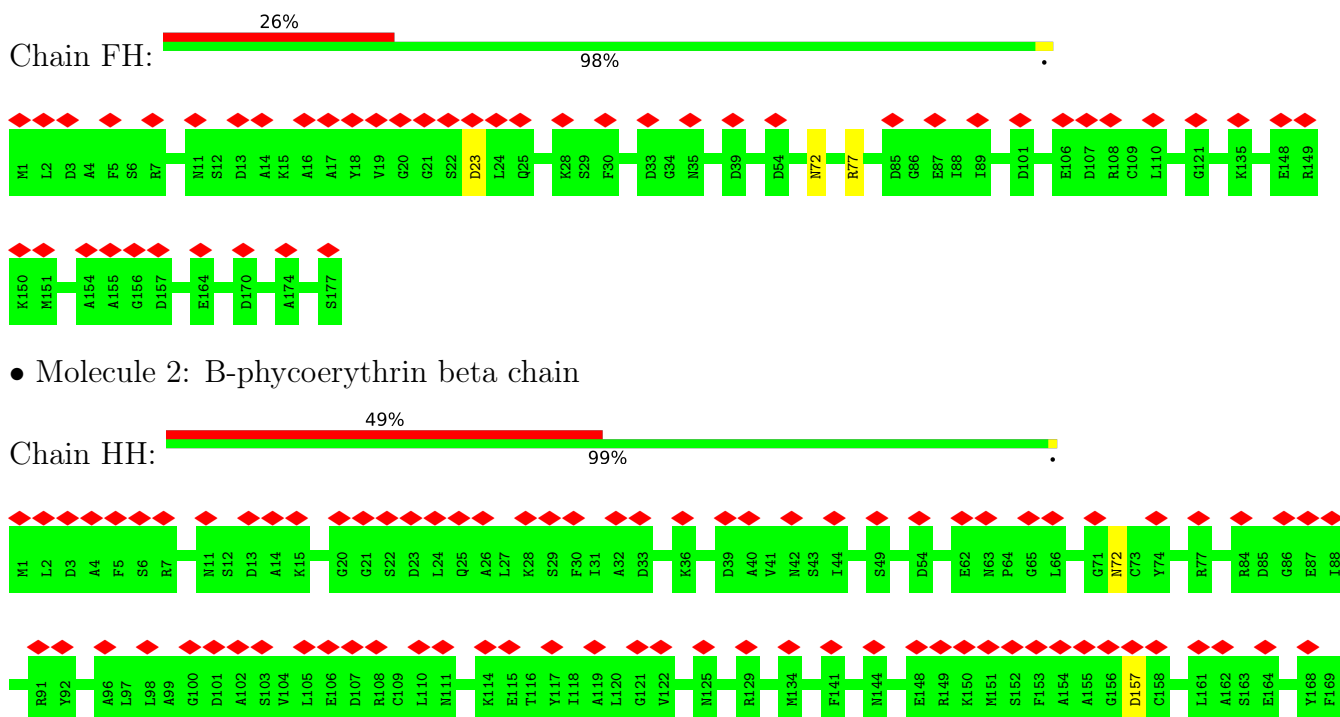


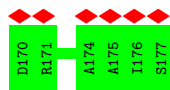


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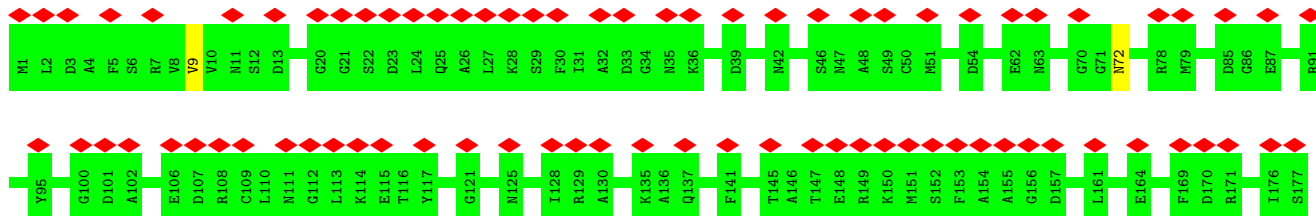
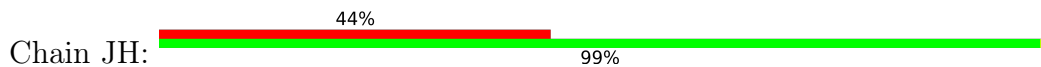


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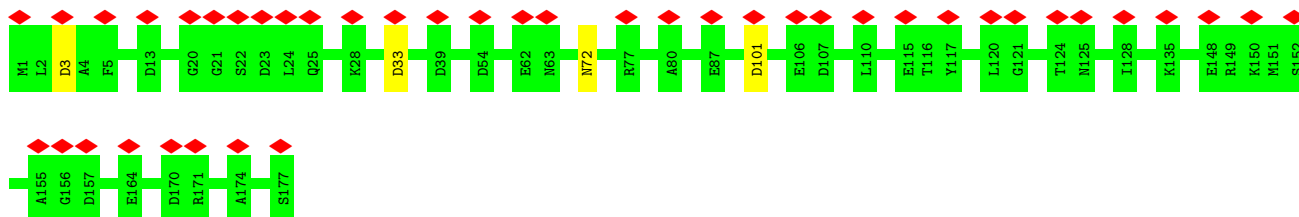




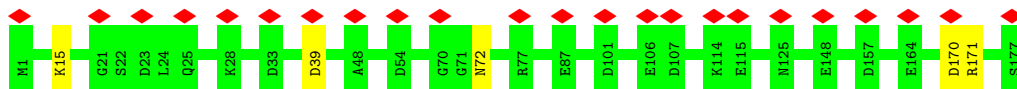
• Molecule 2: B-phycoerythrin beta chain



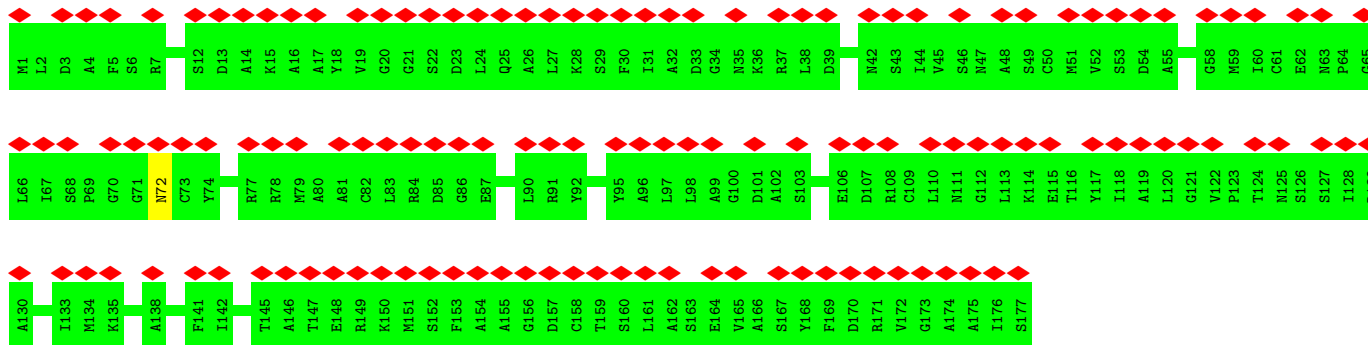
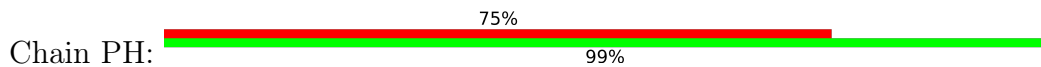
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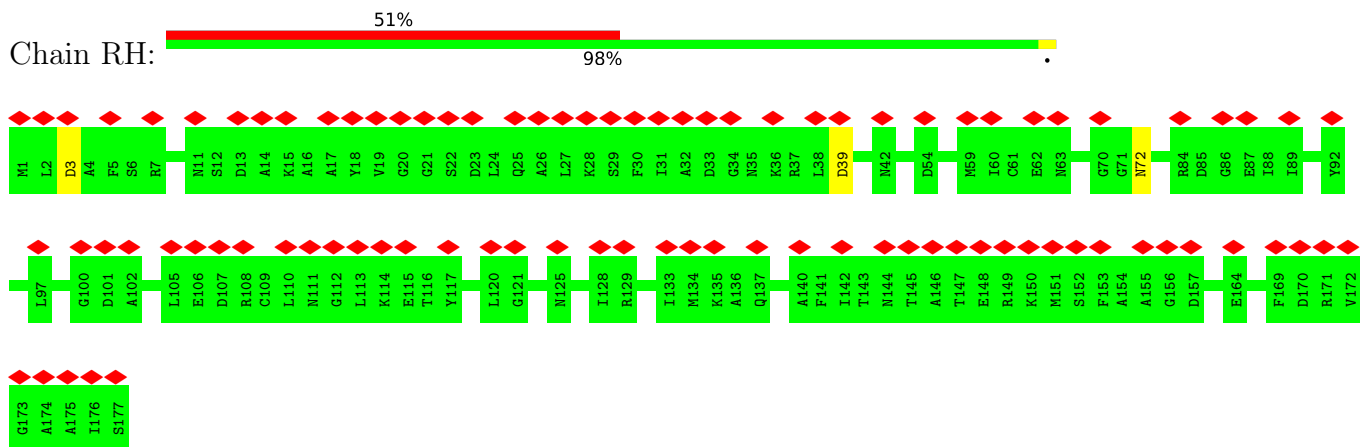
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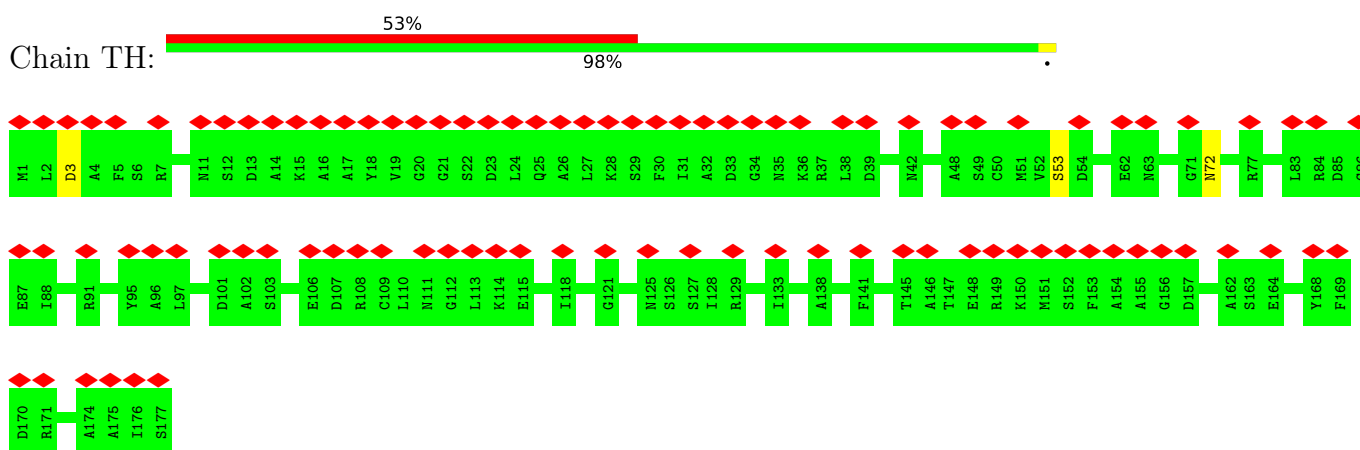
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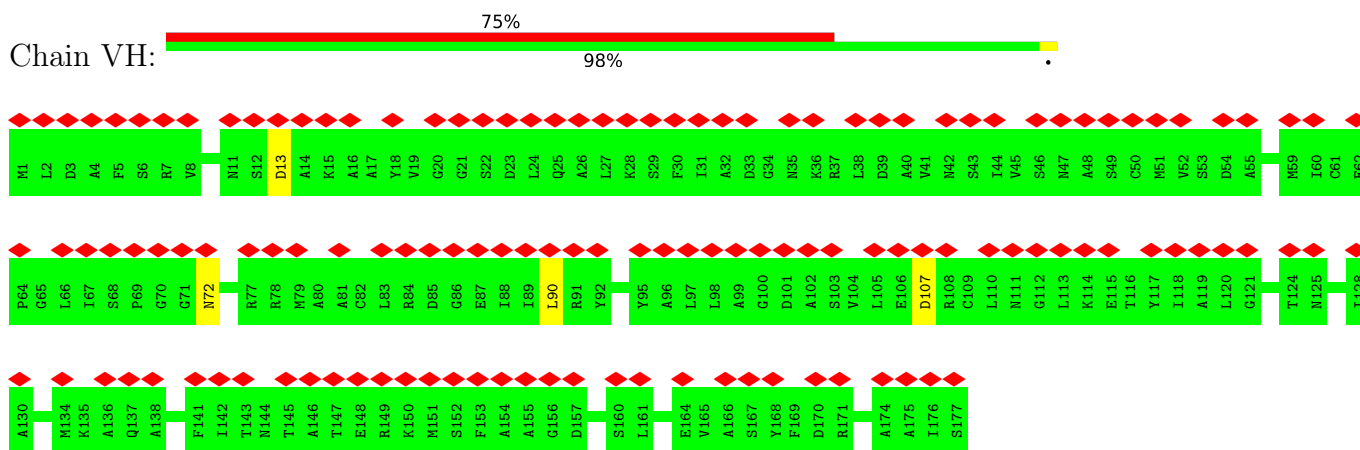
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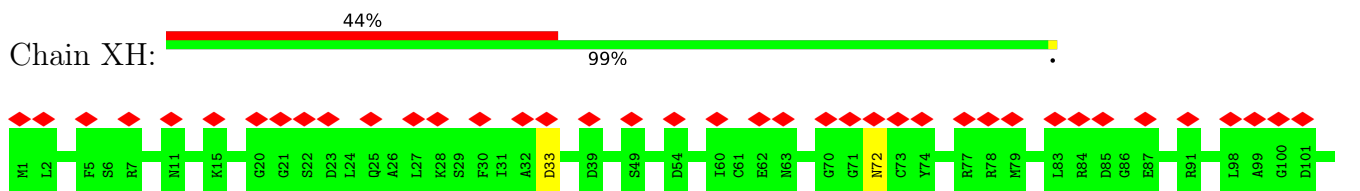
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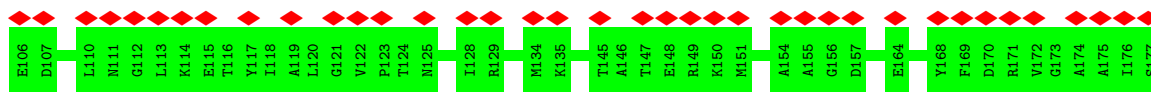


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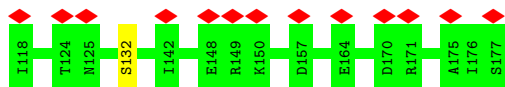
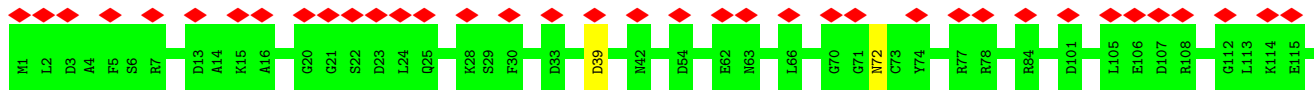


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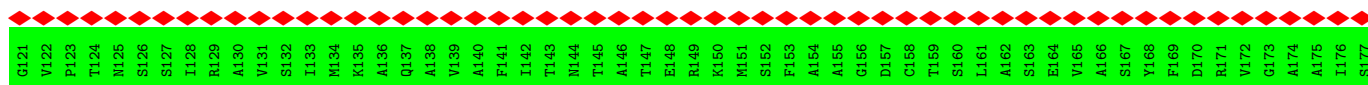
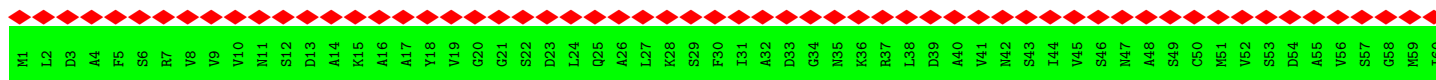




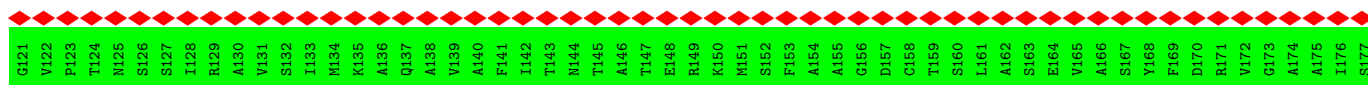
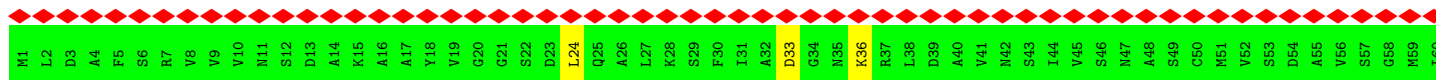
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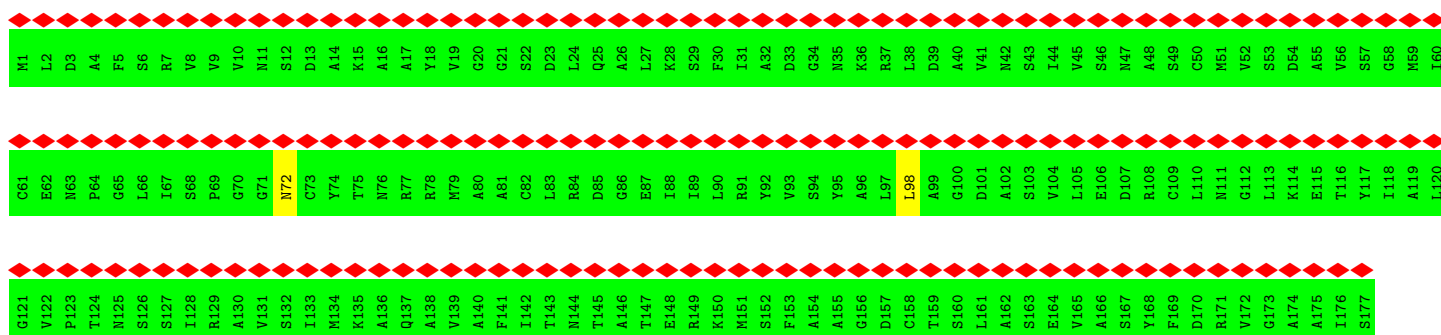


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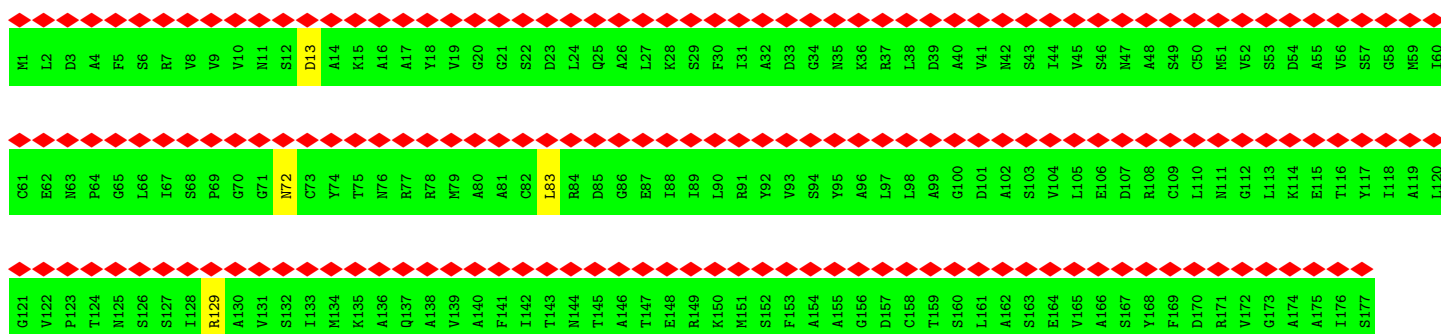




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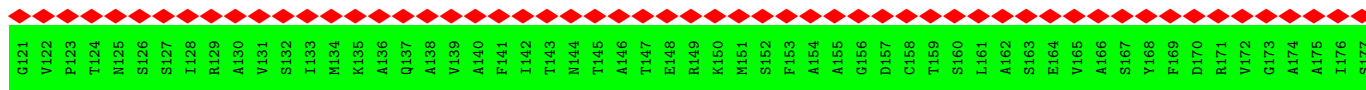


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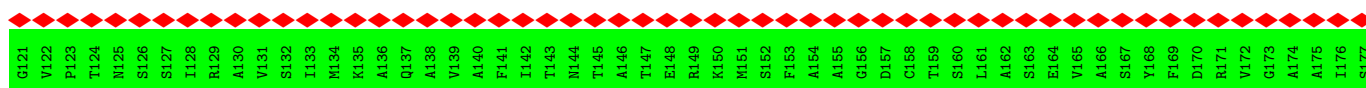
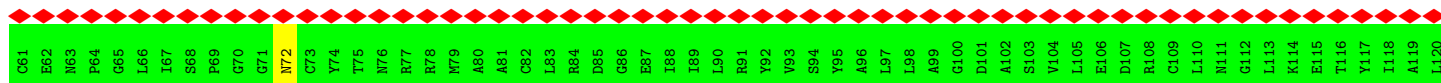
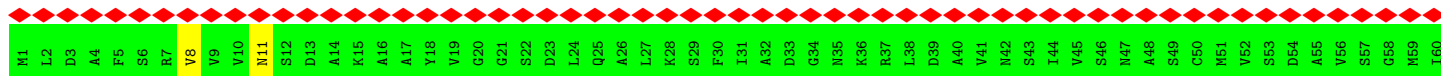


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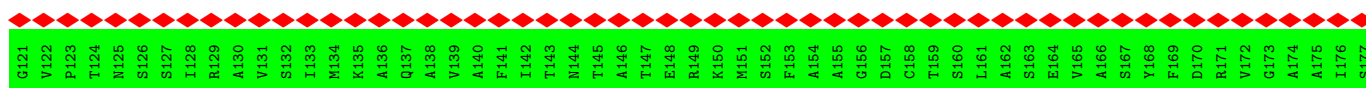
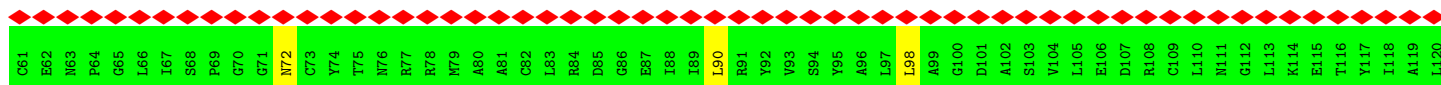




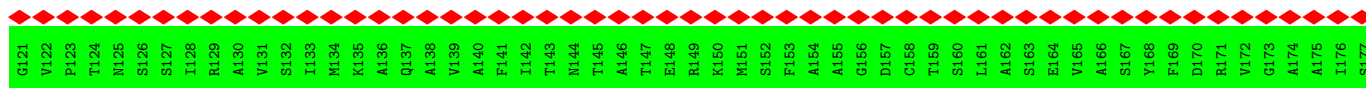
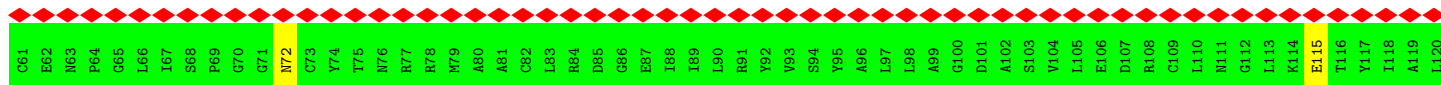
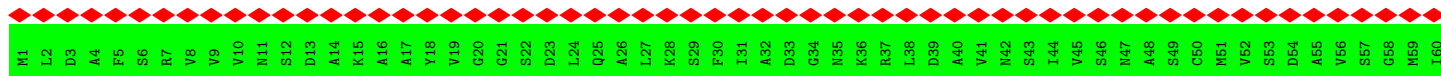
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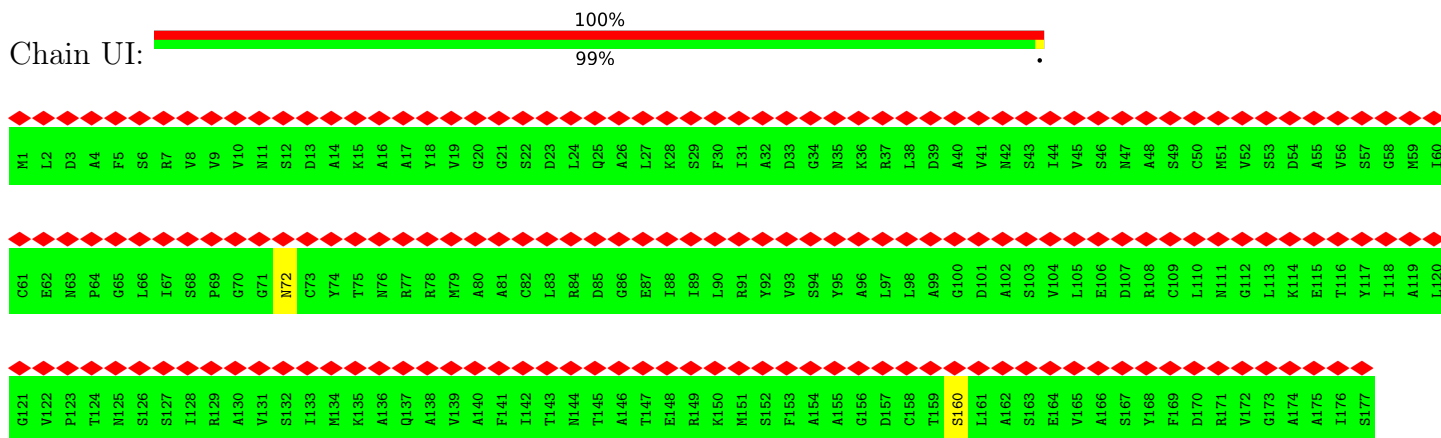
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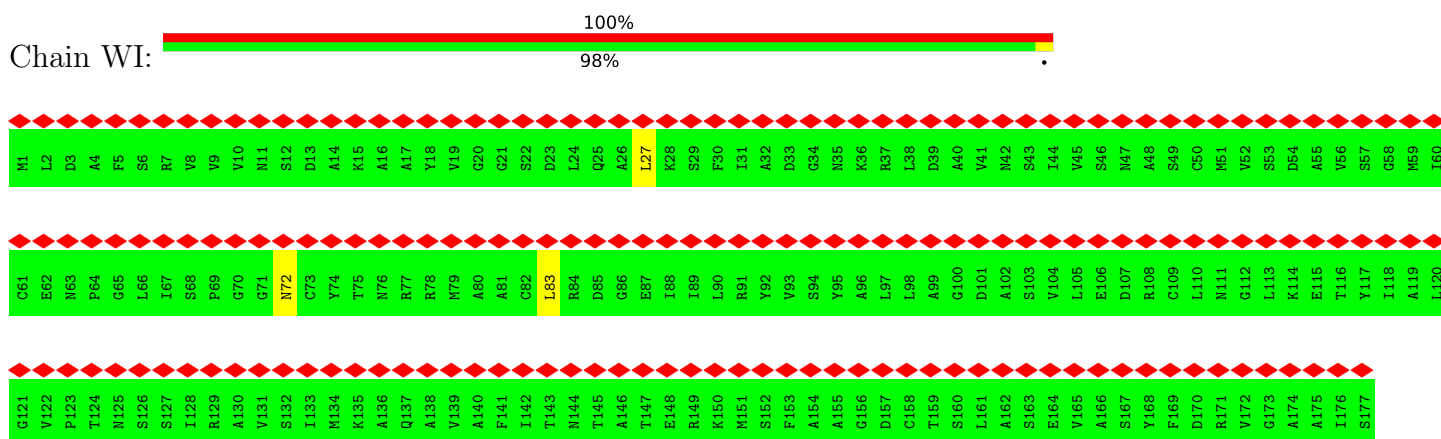
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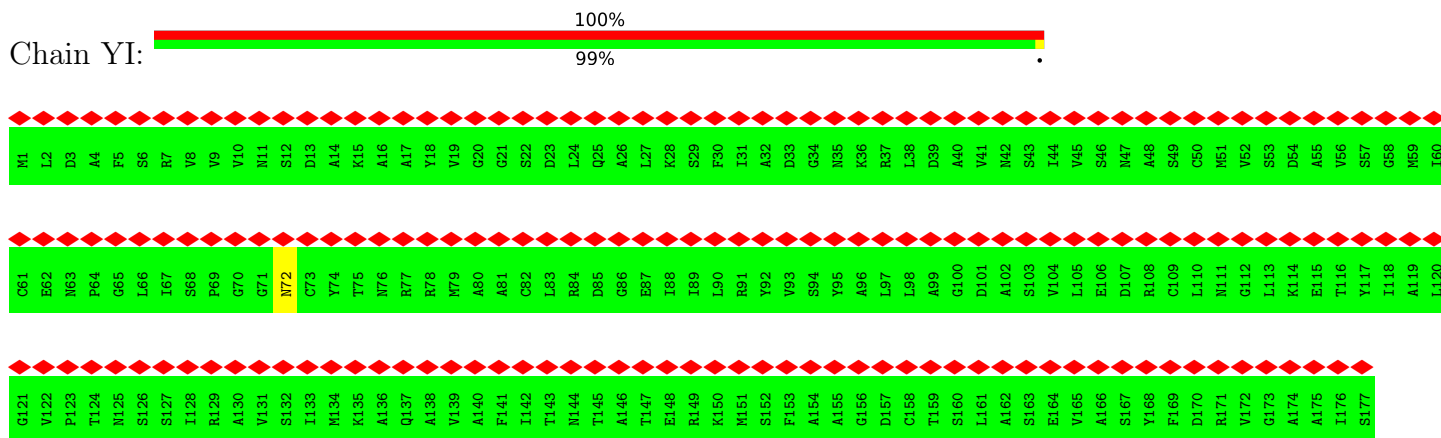
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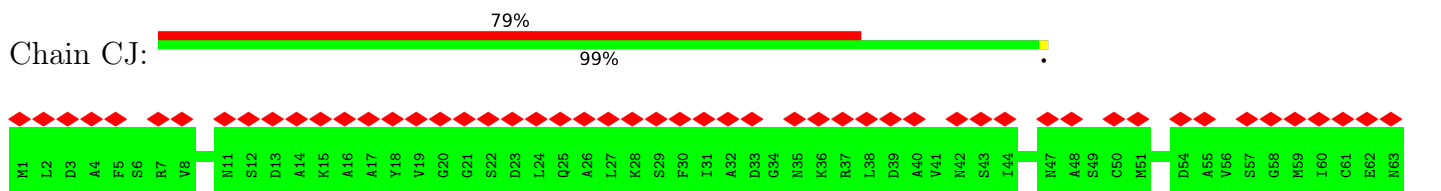
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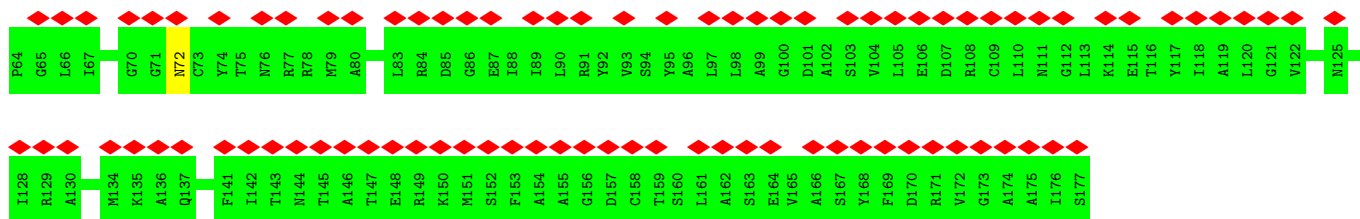


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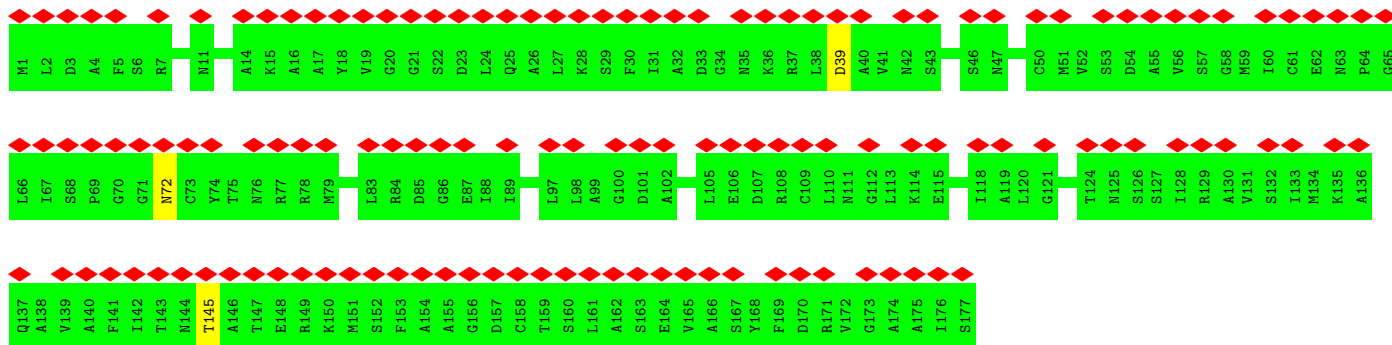
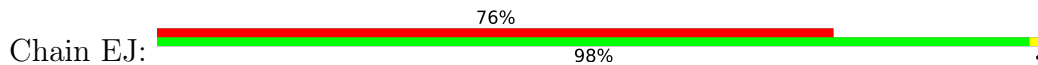


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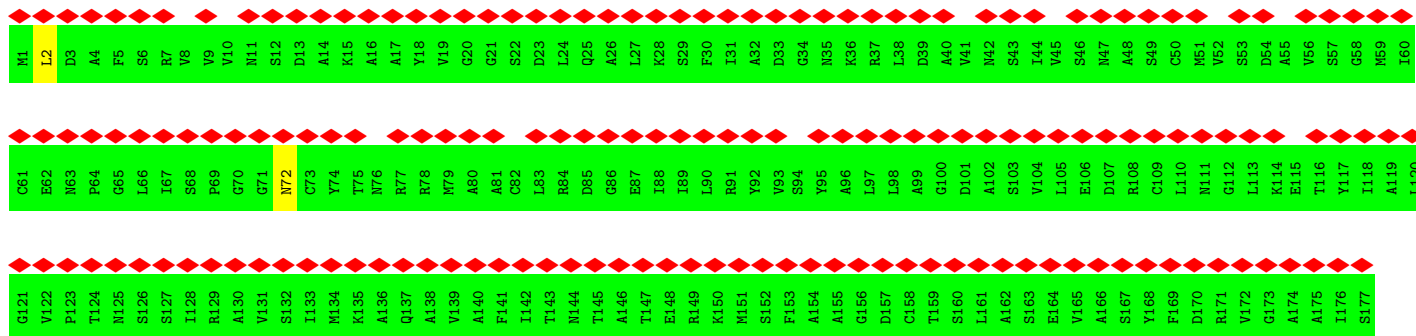




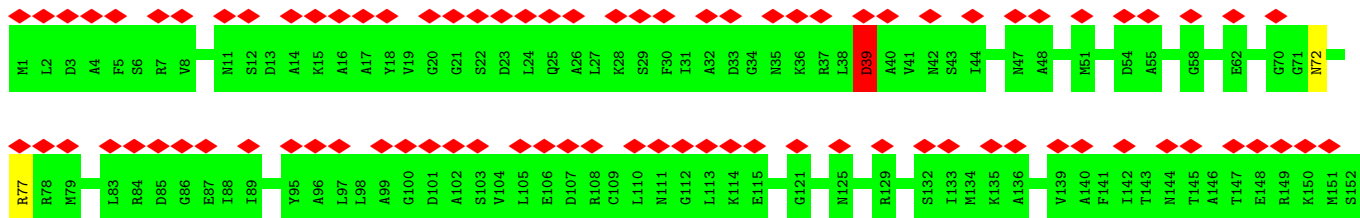
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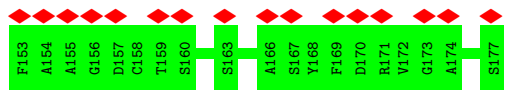


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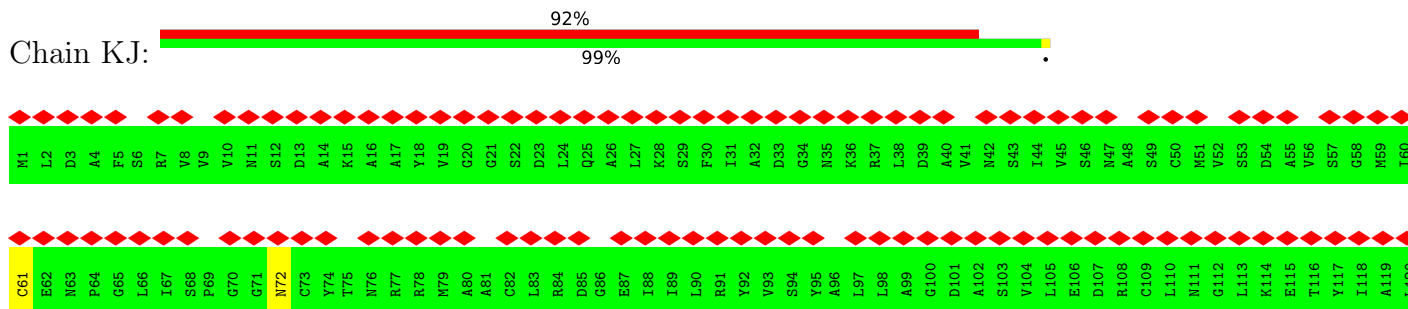


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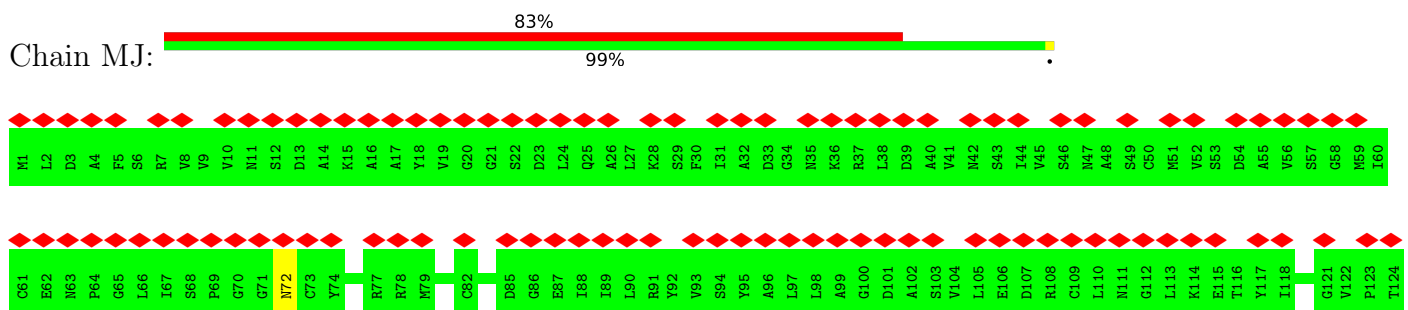




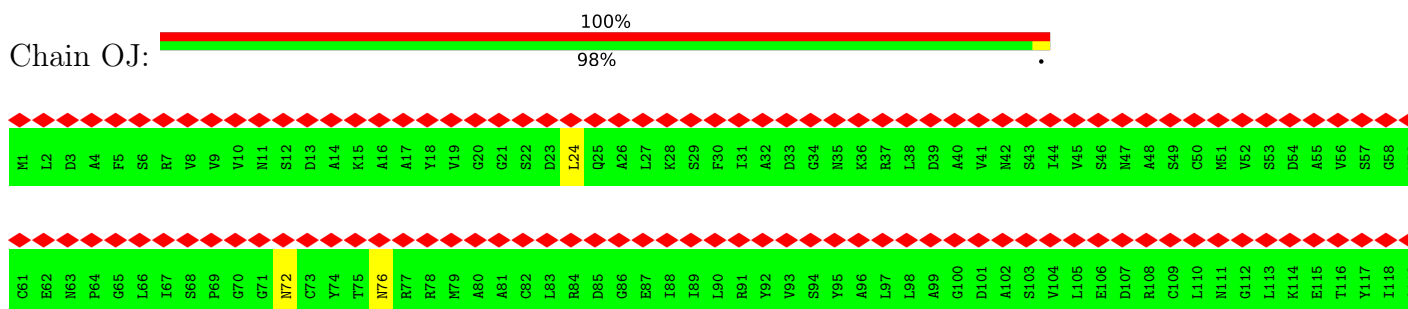
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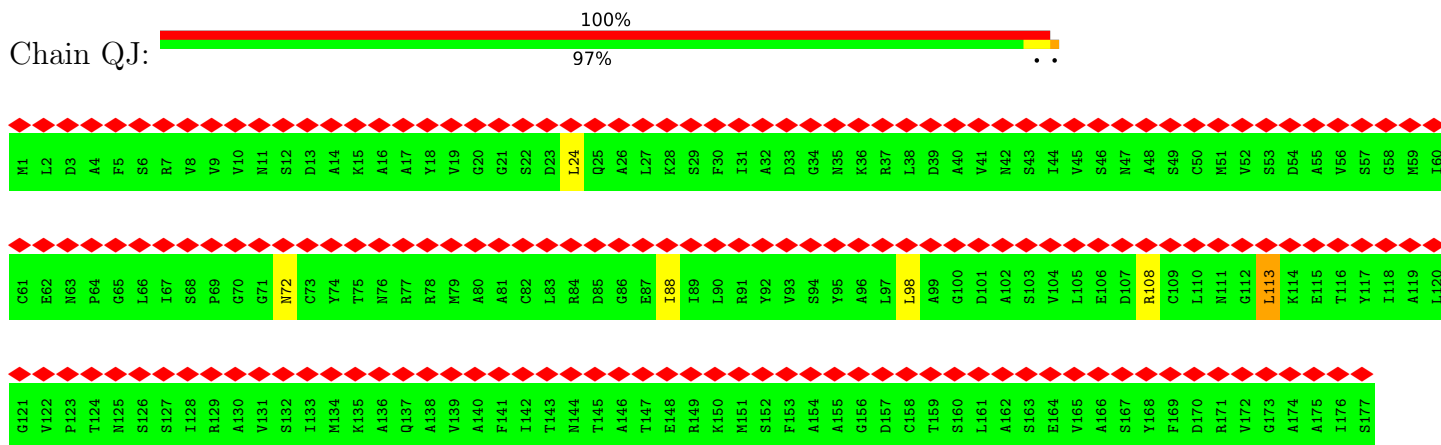
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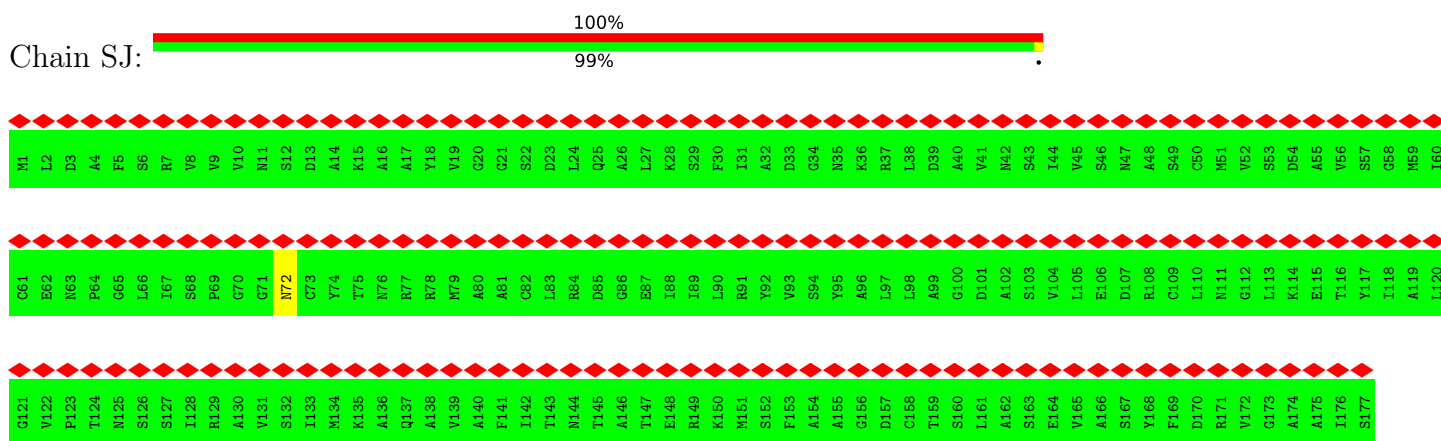
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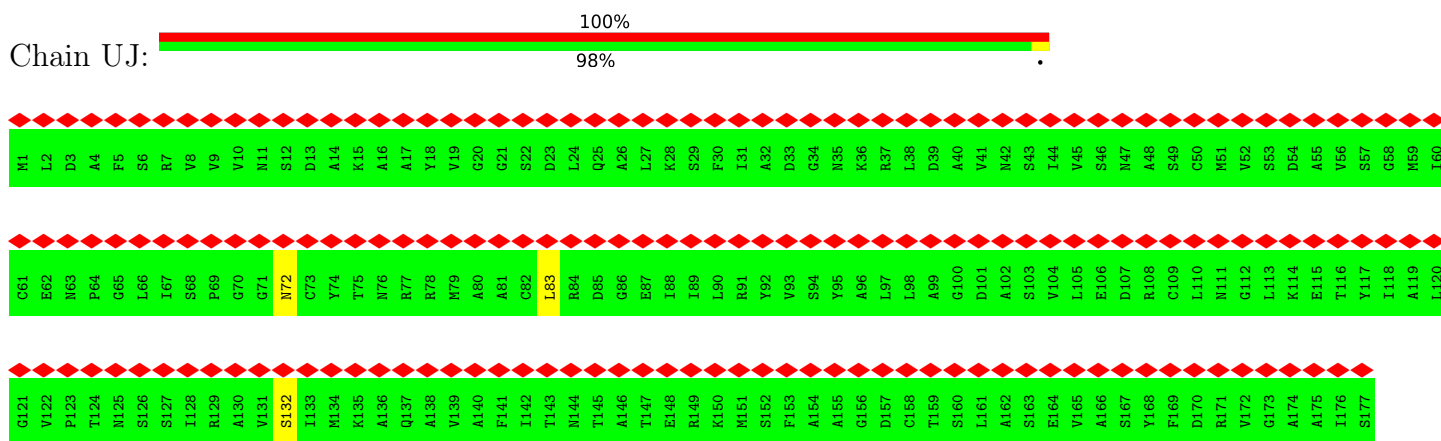
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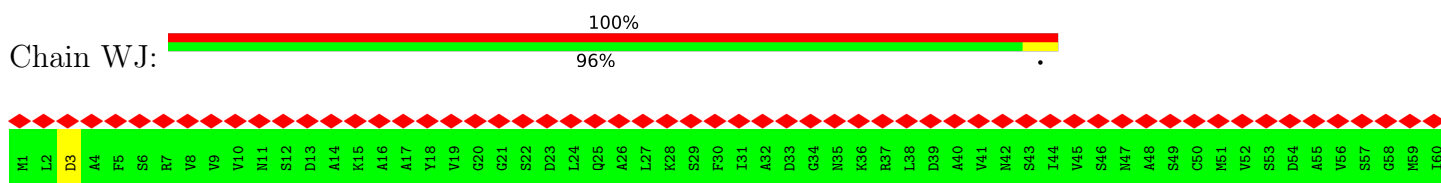
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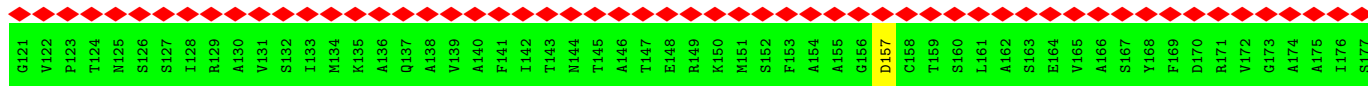
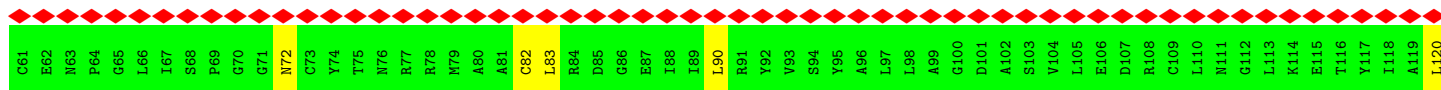


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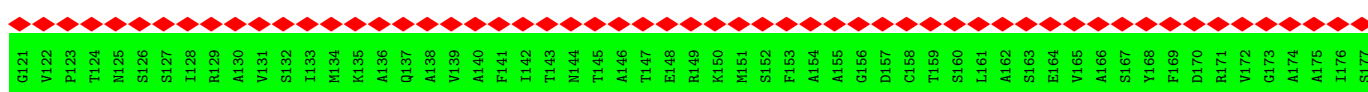
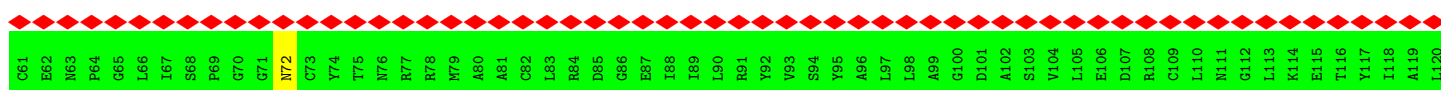


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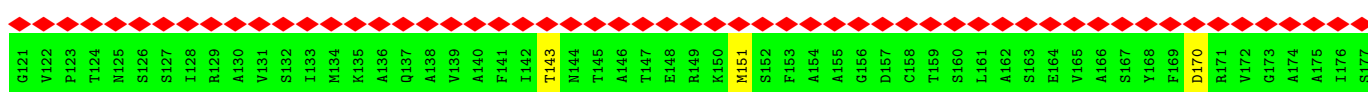
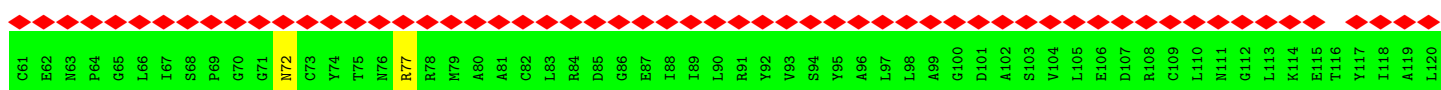




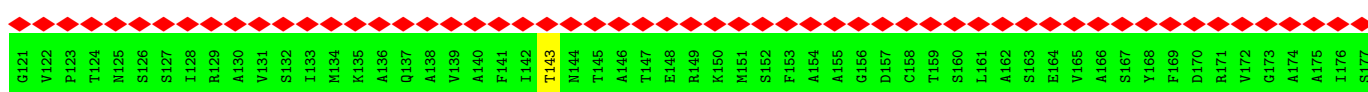
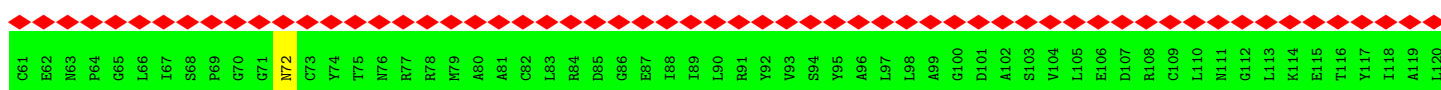
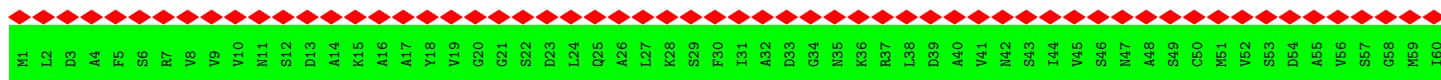
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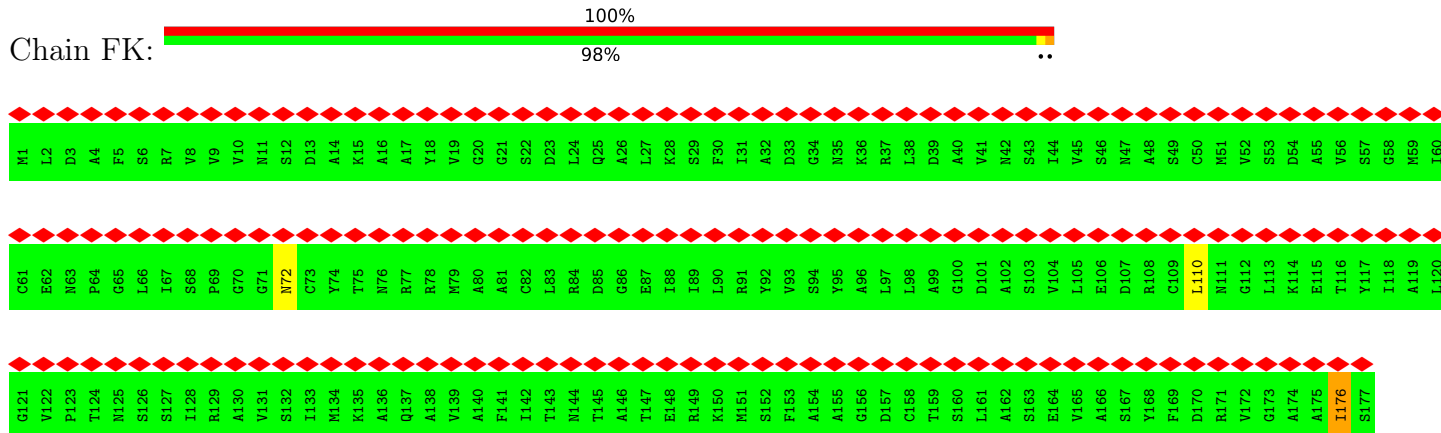
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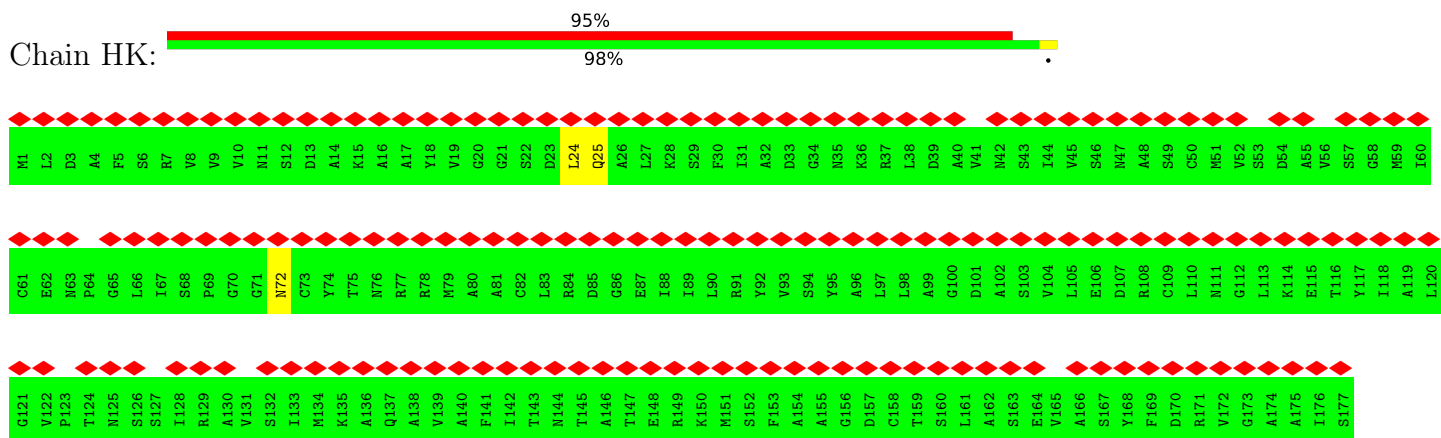
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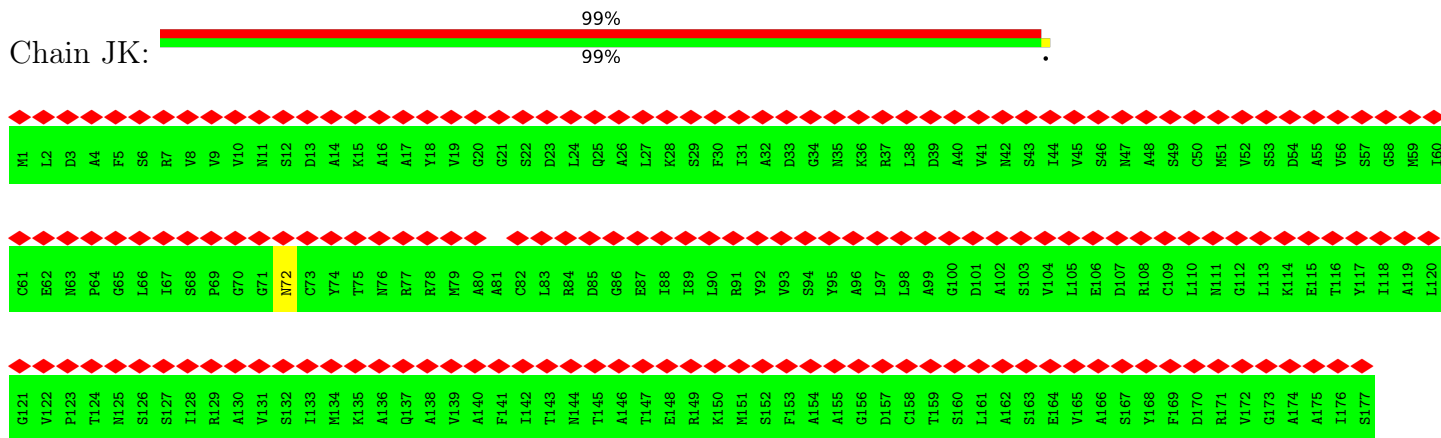
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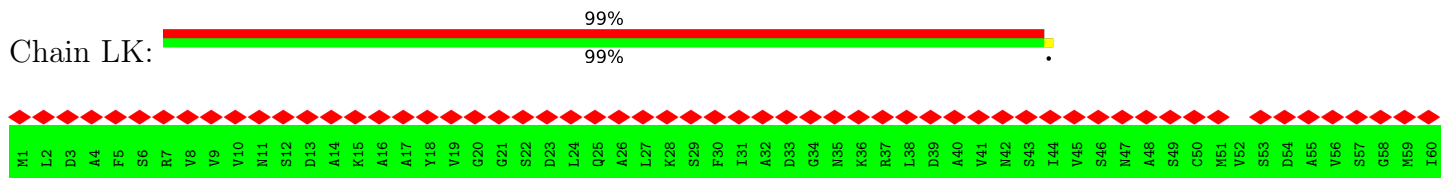
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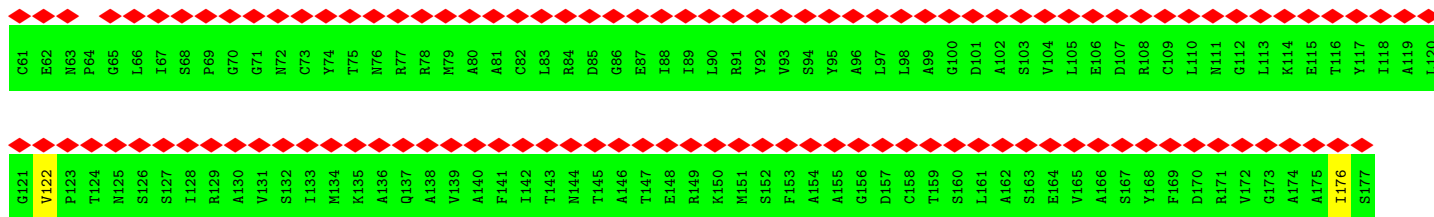


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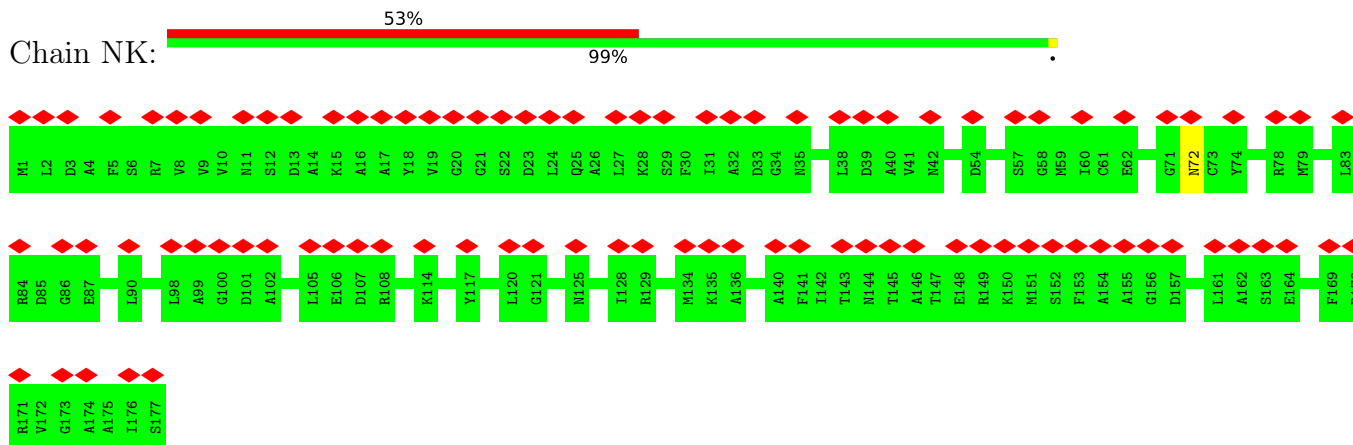


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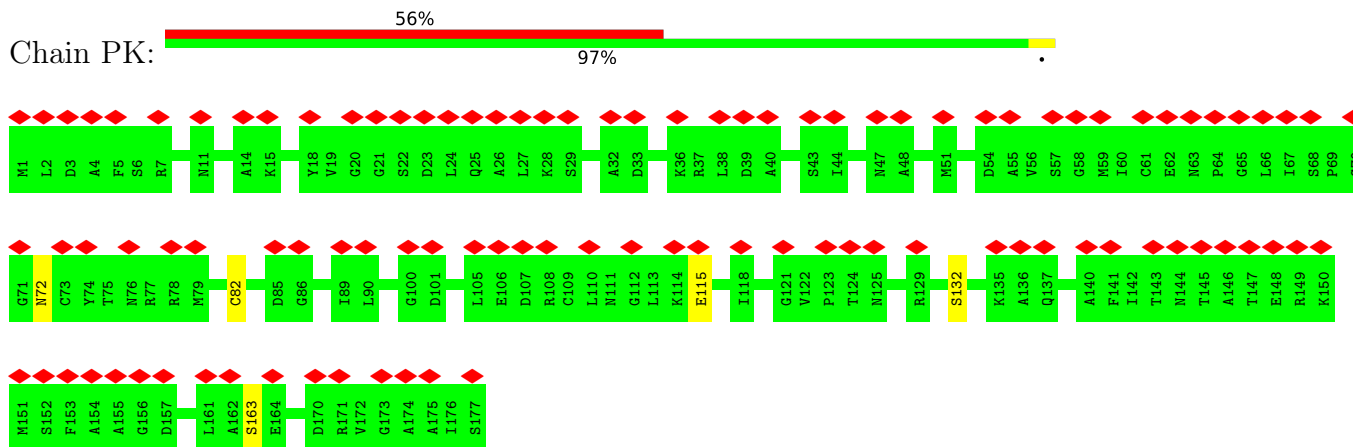




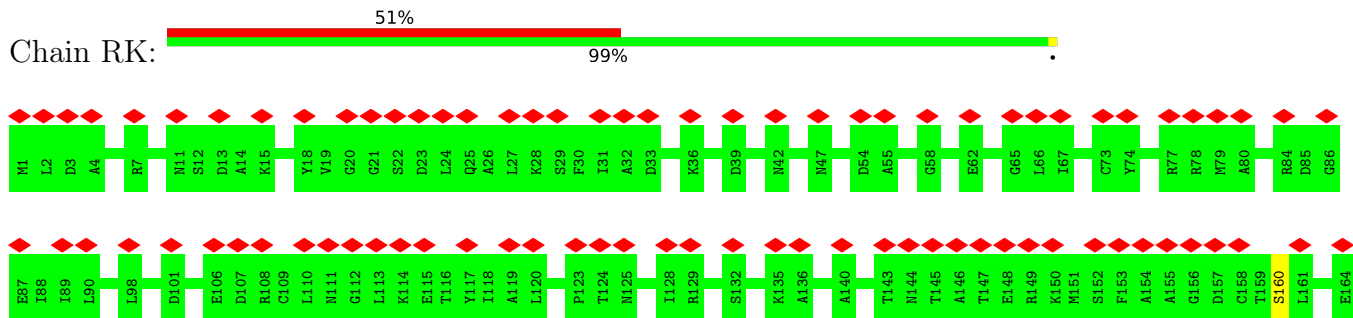
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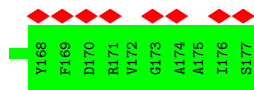


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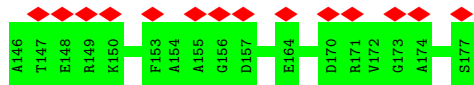
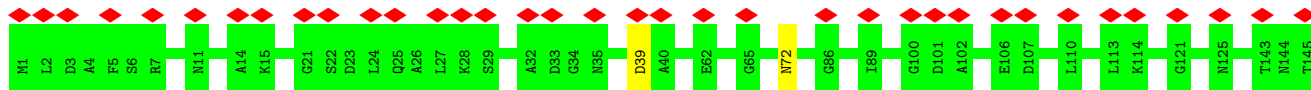


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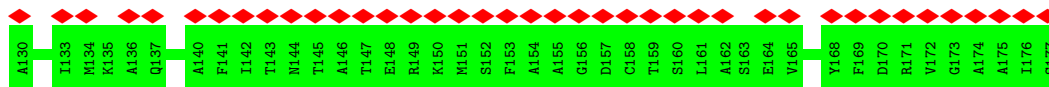
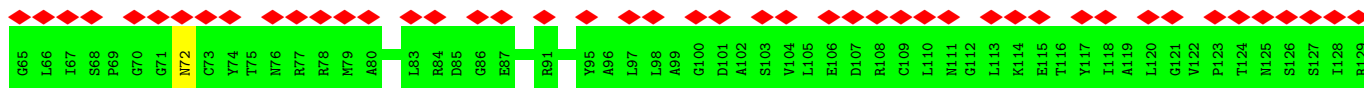
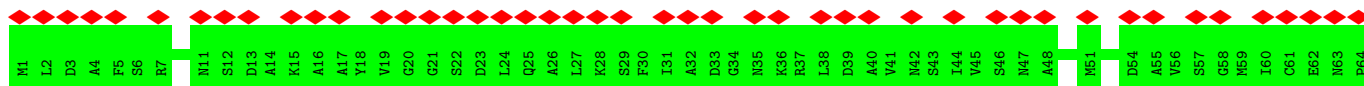
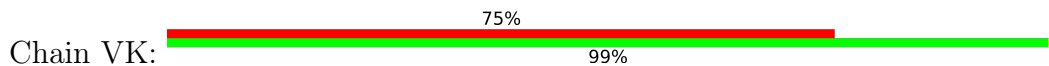




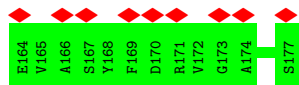
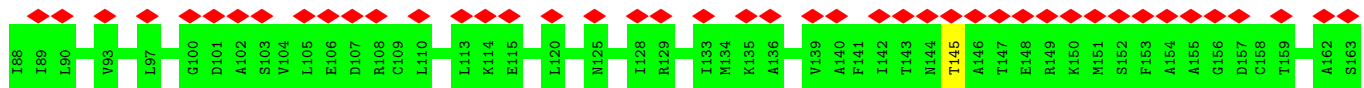
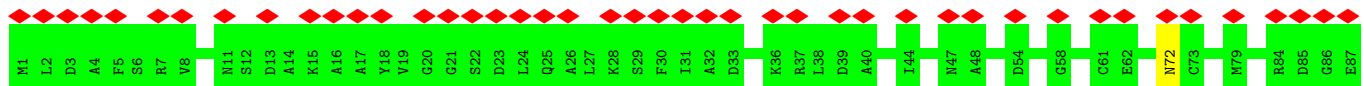
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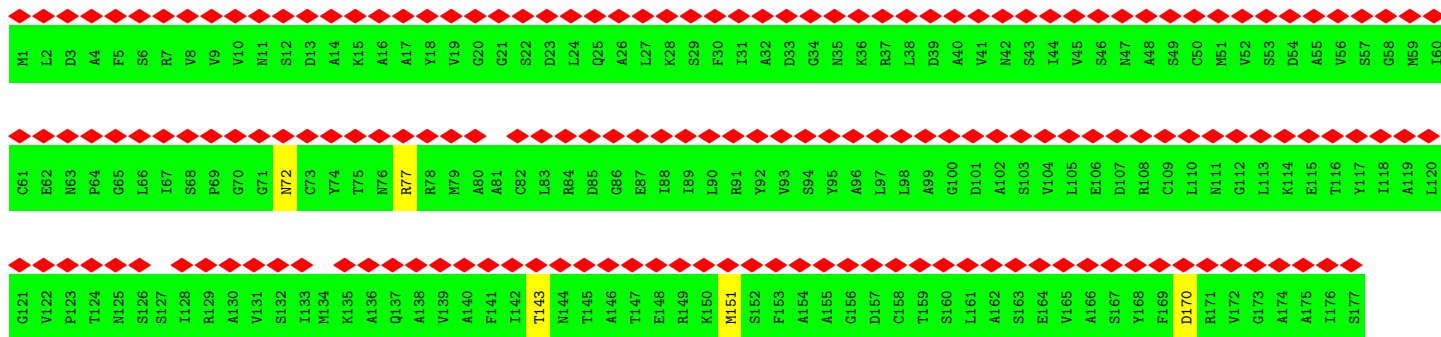


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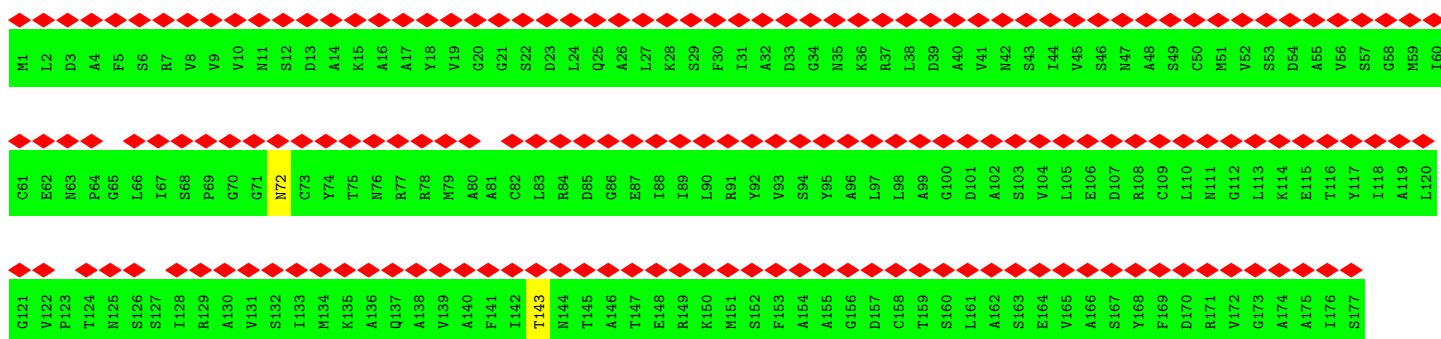


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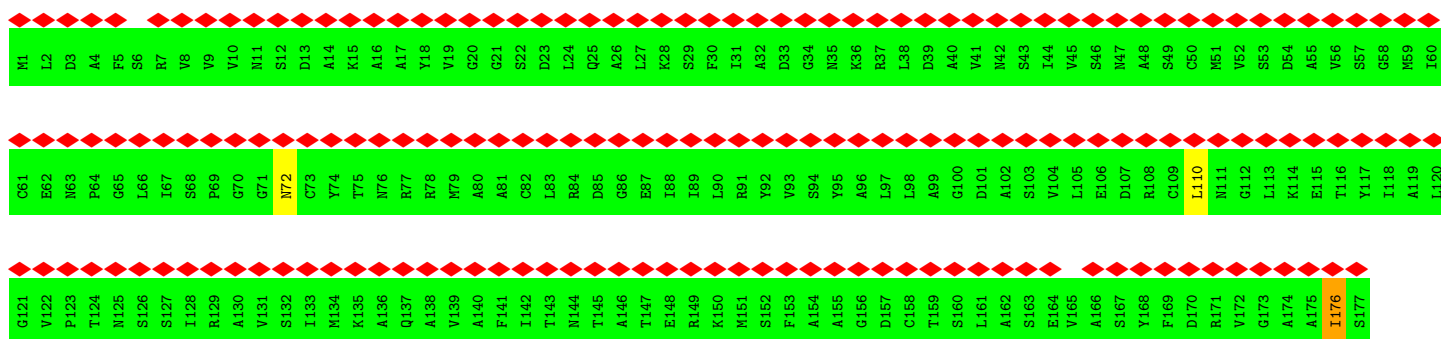




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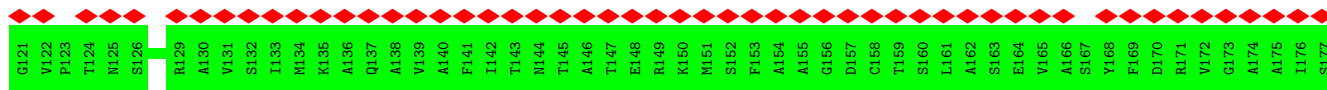


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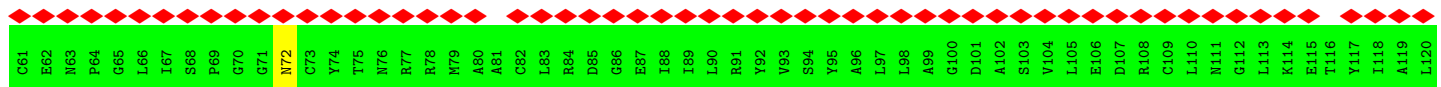
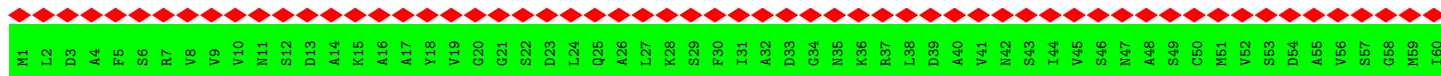


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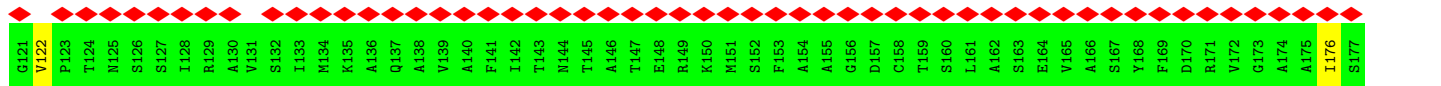
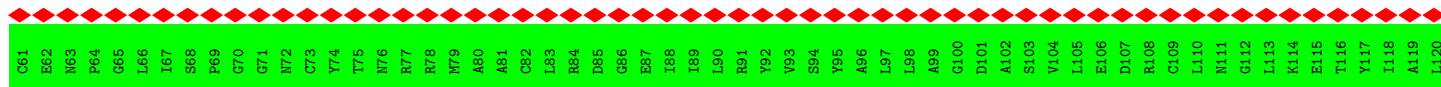
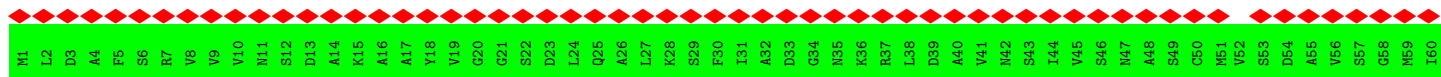




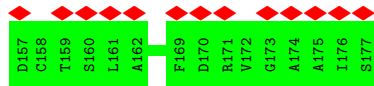
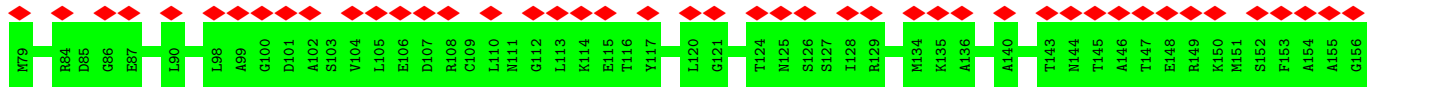
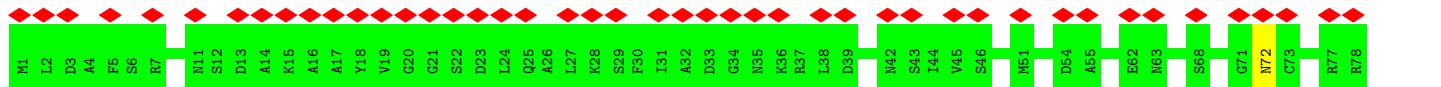
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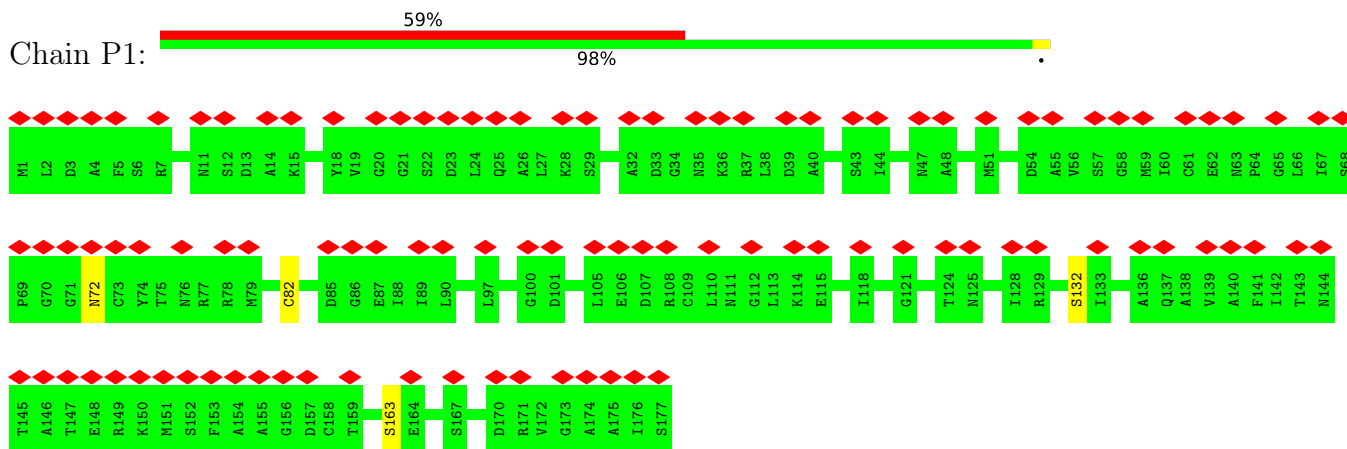
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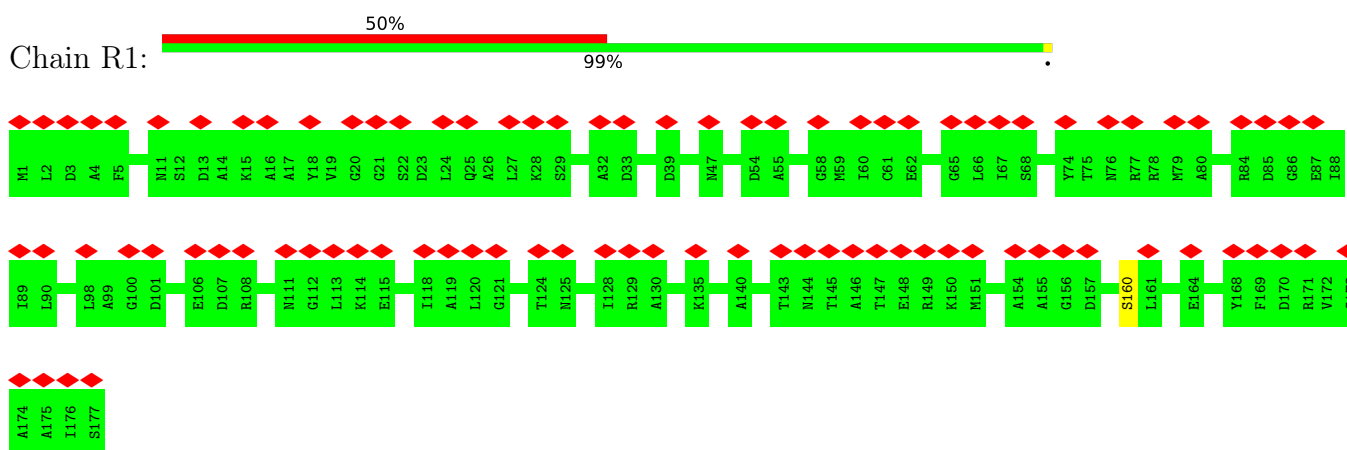
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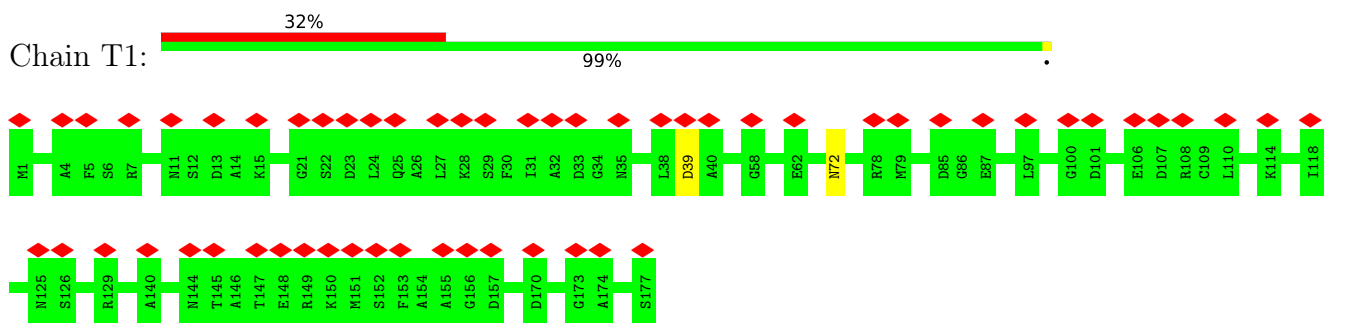
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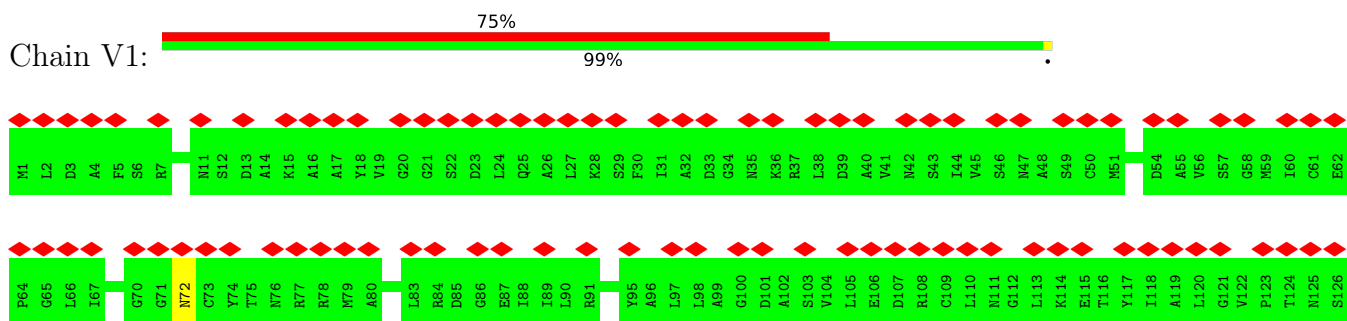
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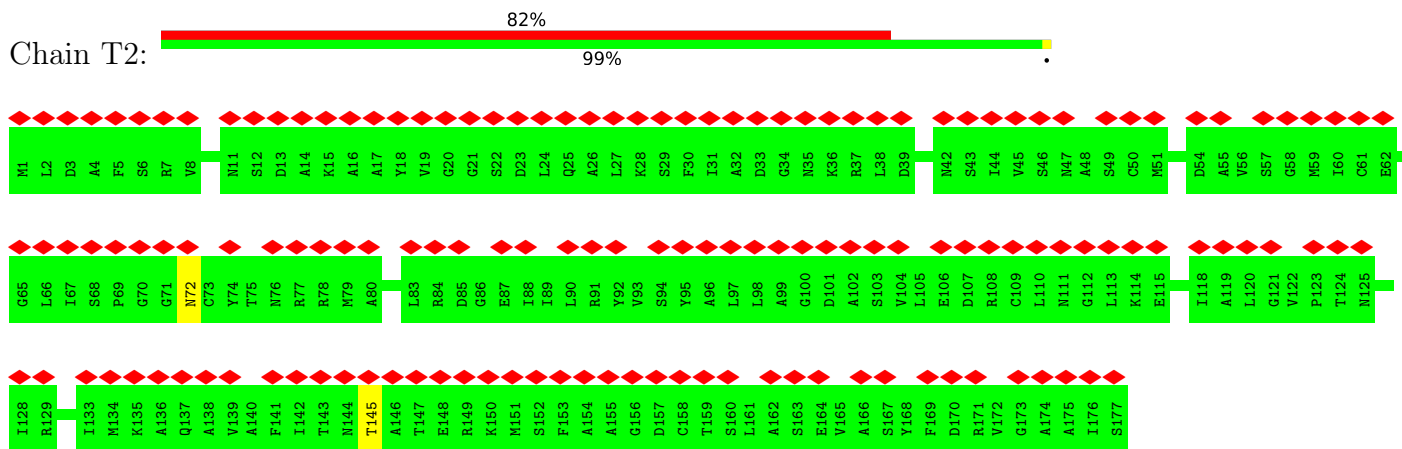


• Molecule 2: B-phycoerythrin beta chain

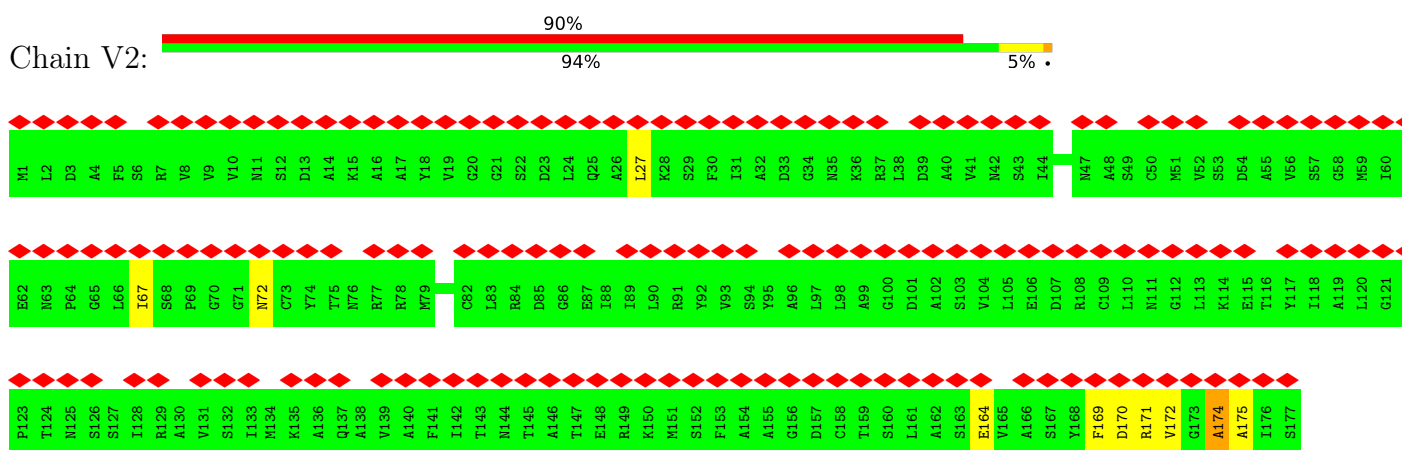


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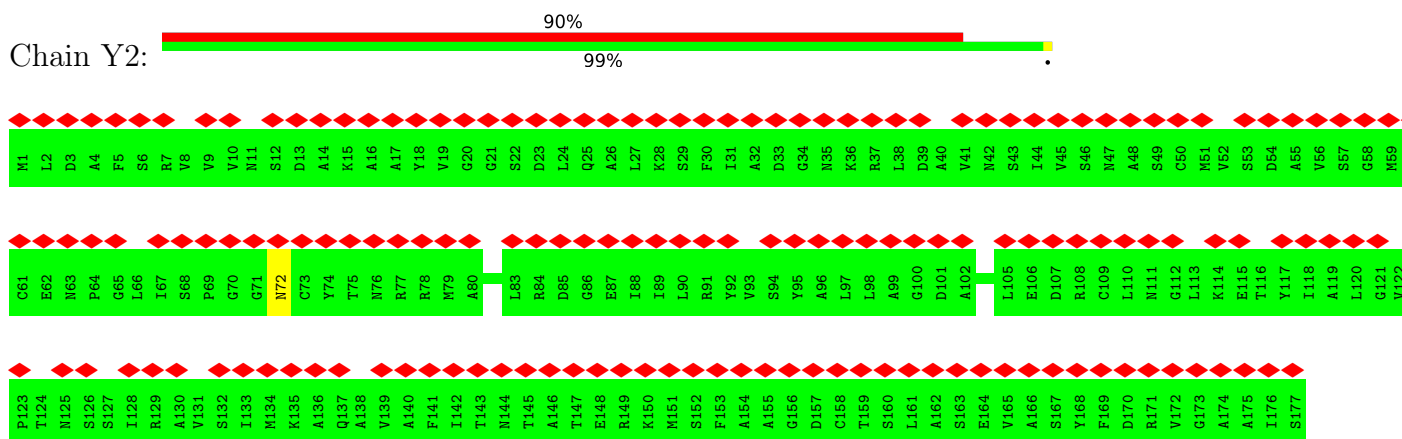




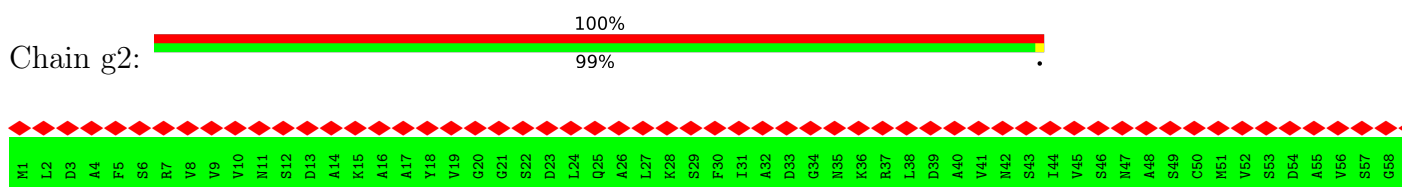
• Molecule 2: B-phycoerythrin beta chain

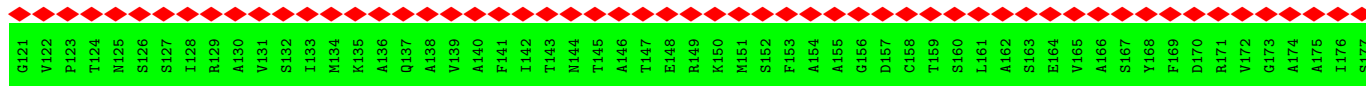
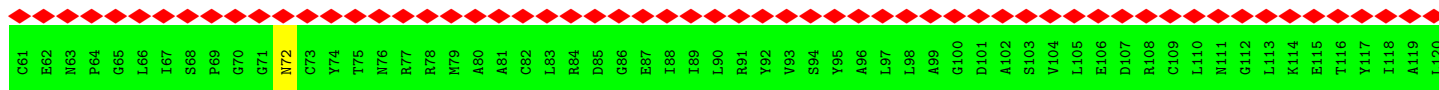


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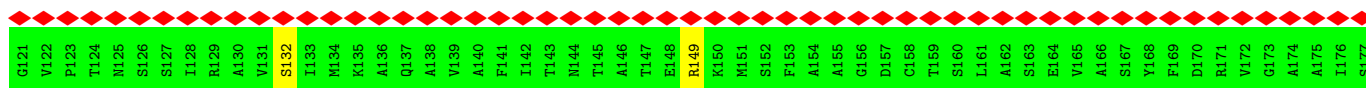
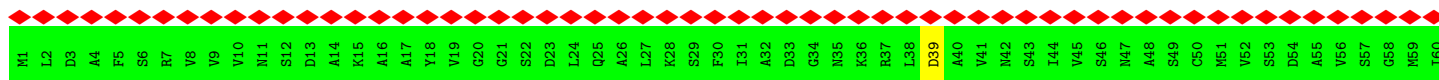


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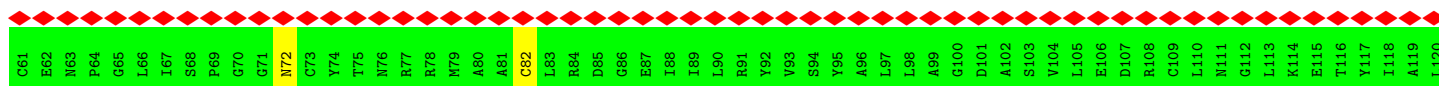
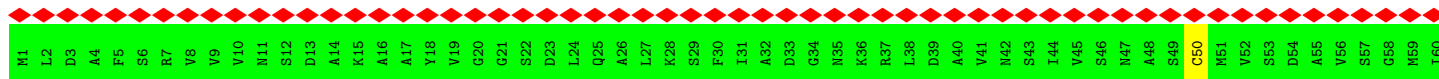




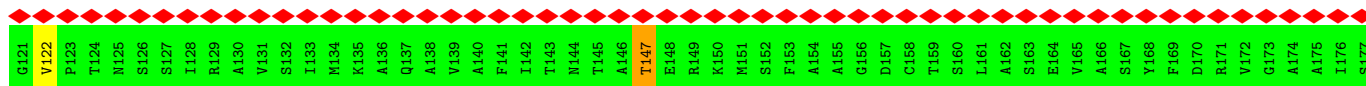
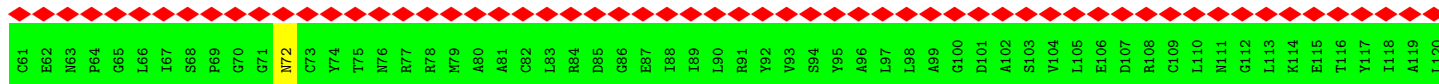
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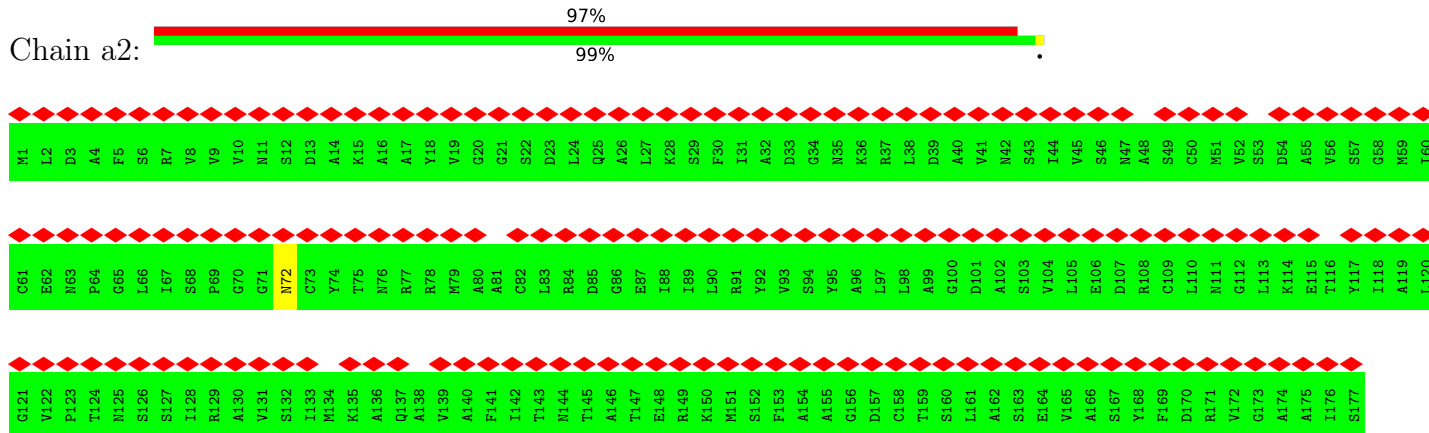
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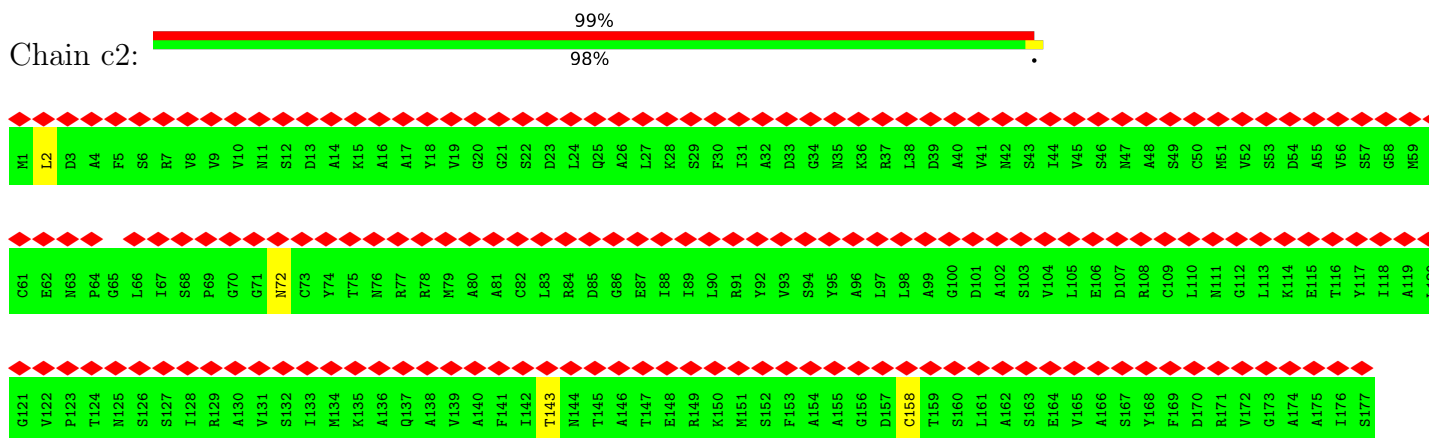
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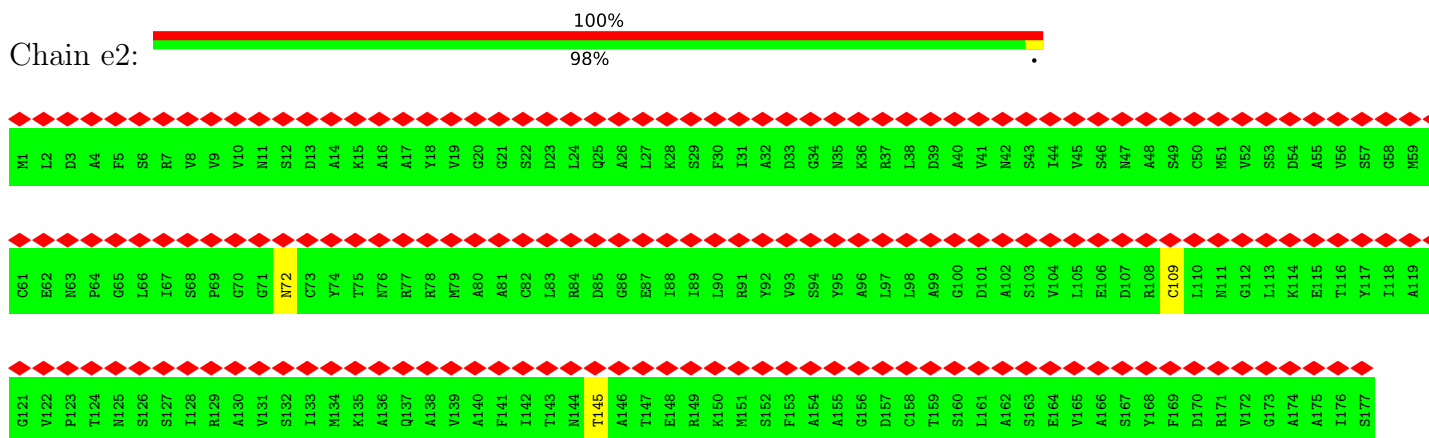
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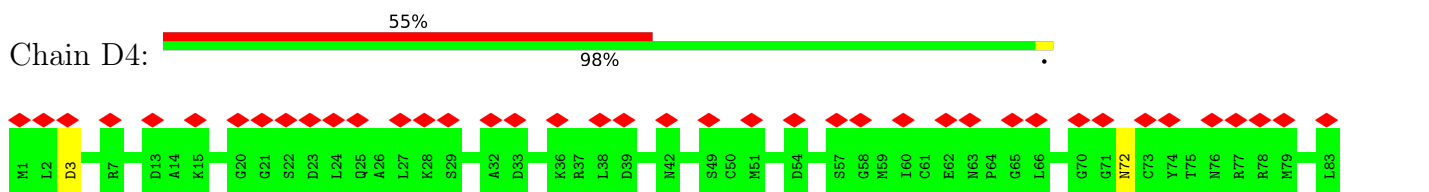
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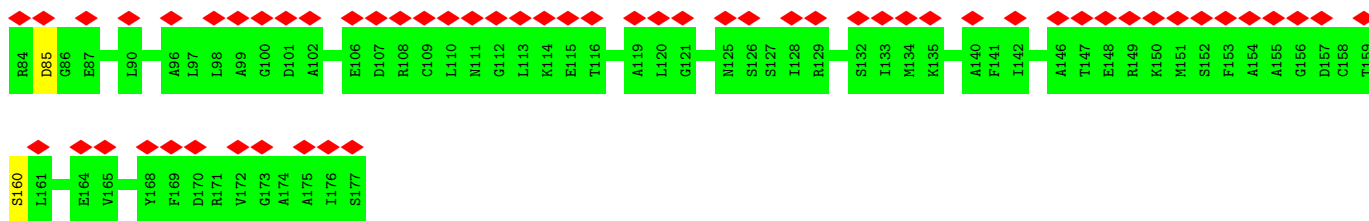


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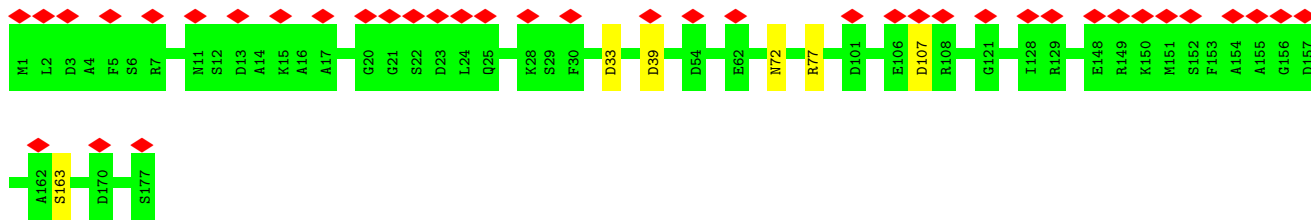


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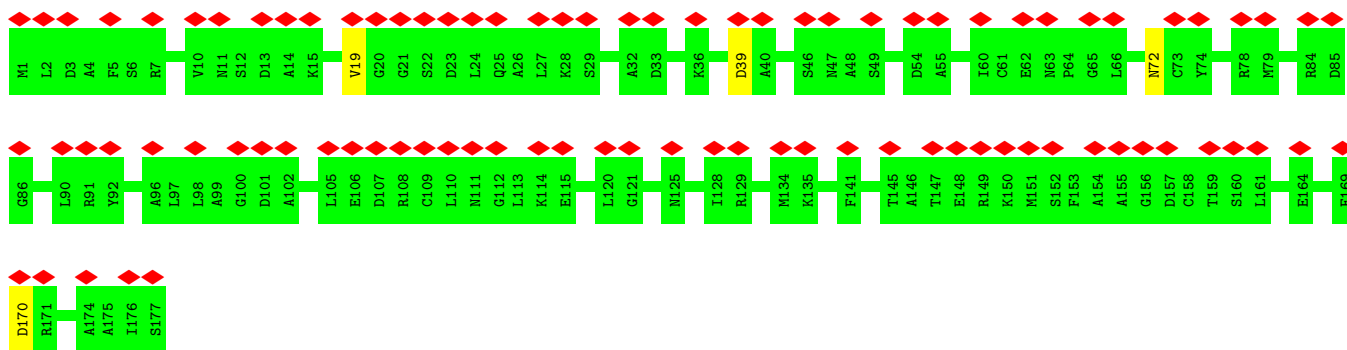




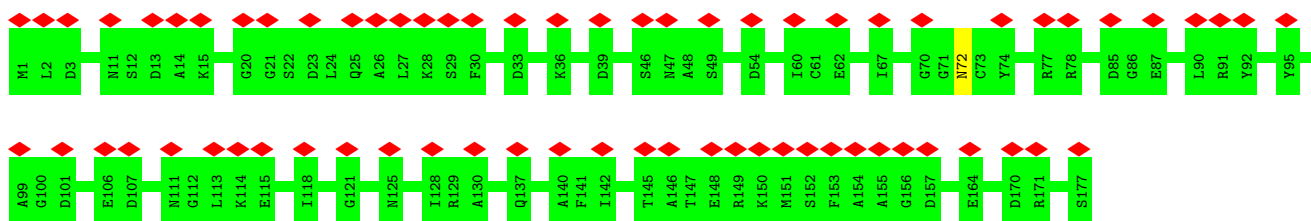
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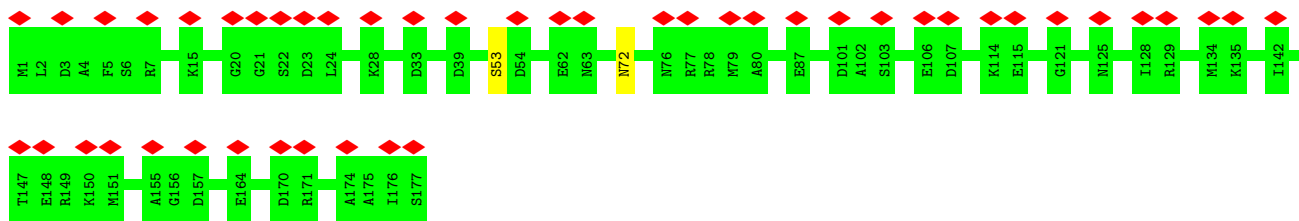


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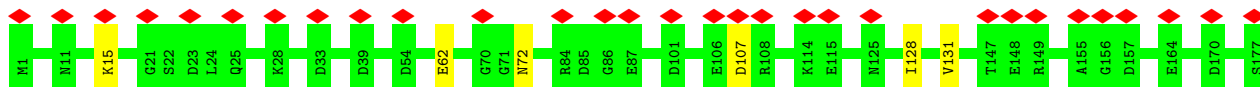


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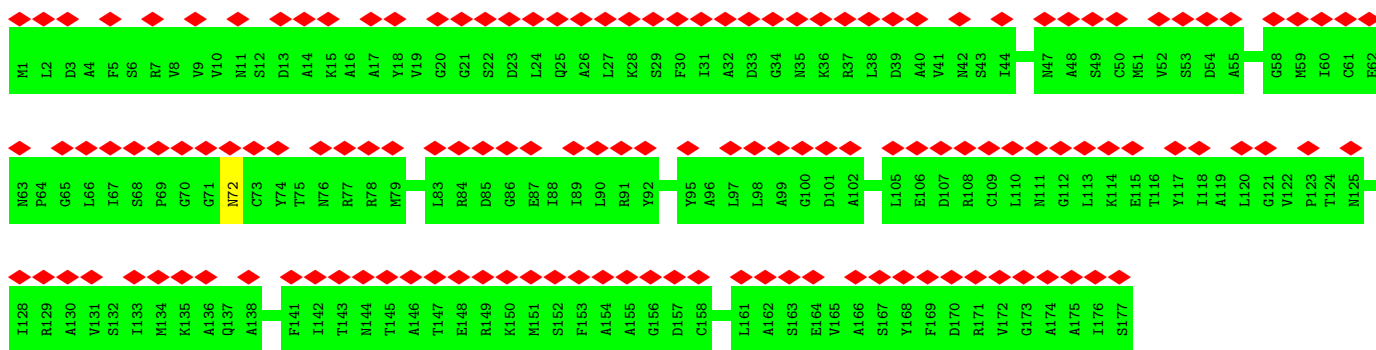
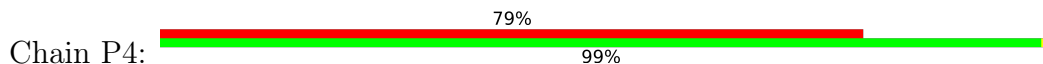




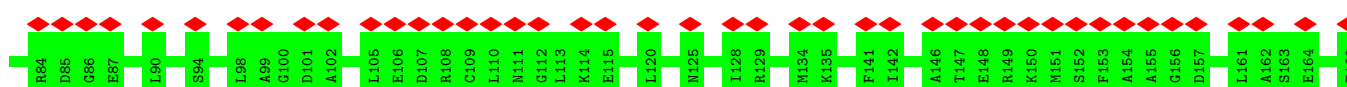
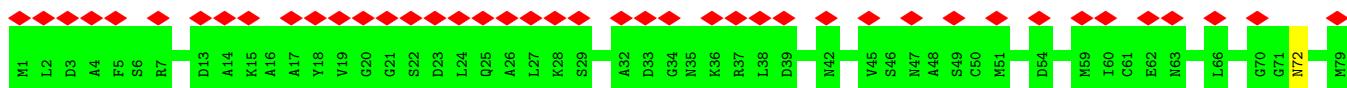
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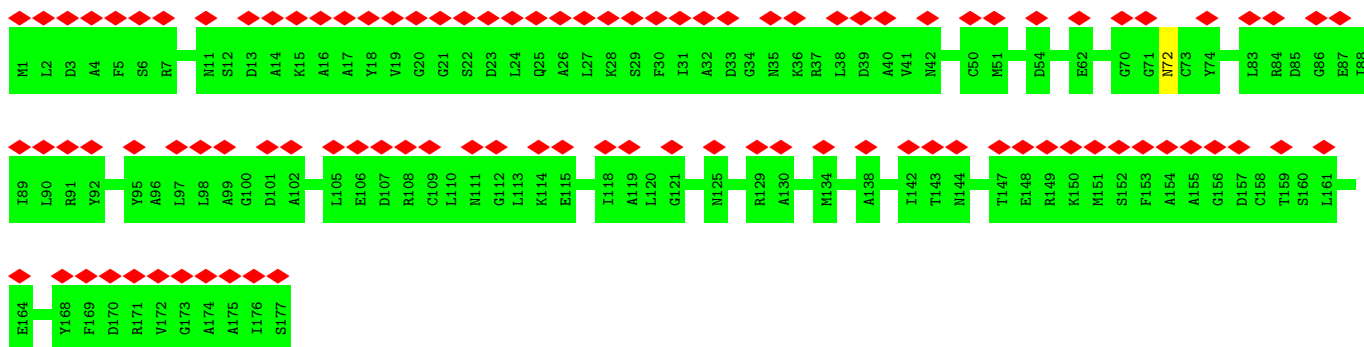


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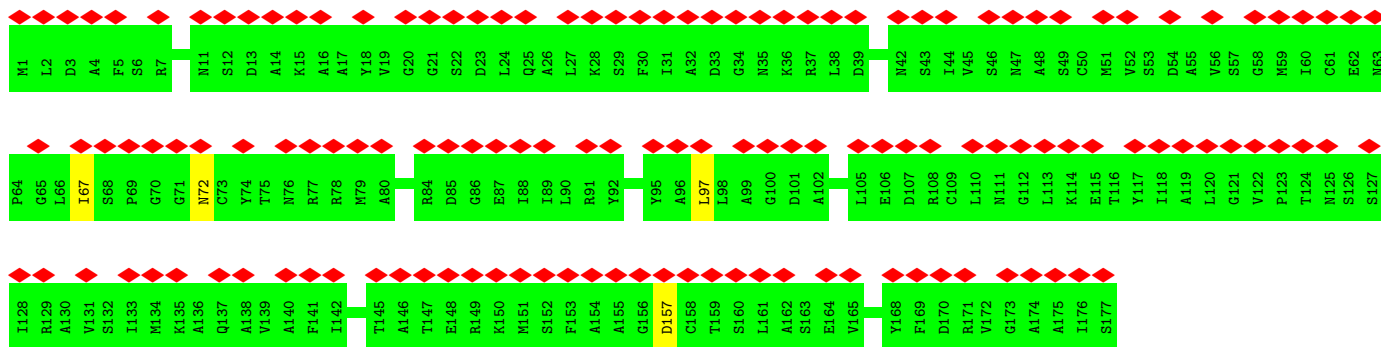
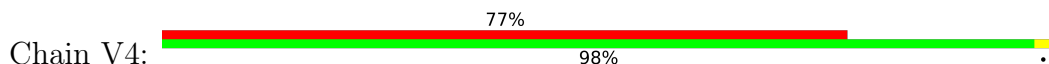


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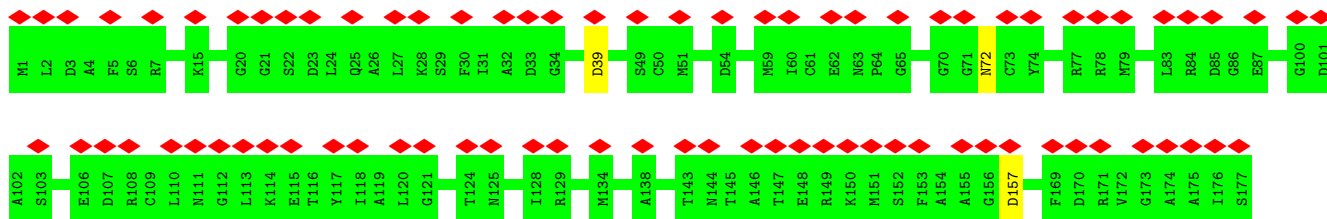




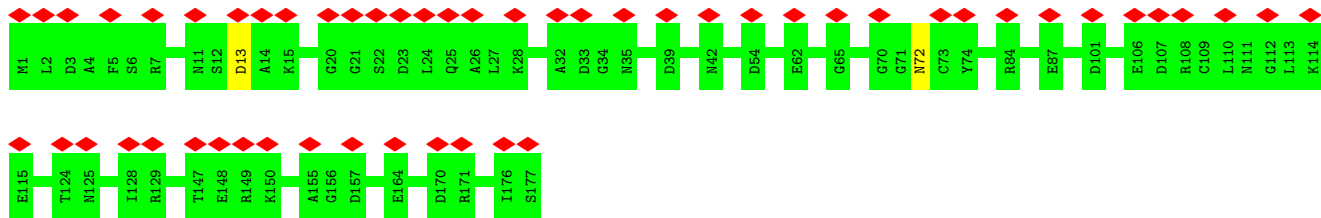
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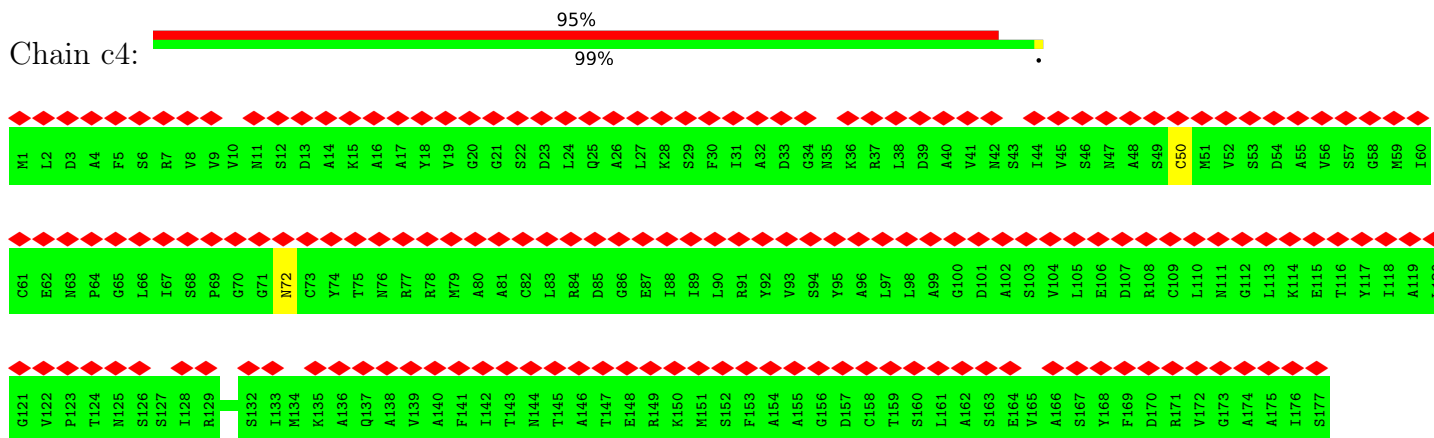
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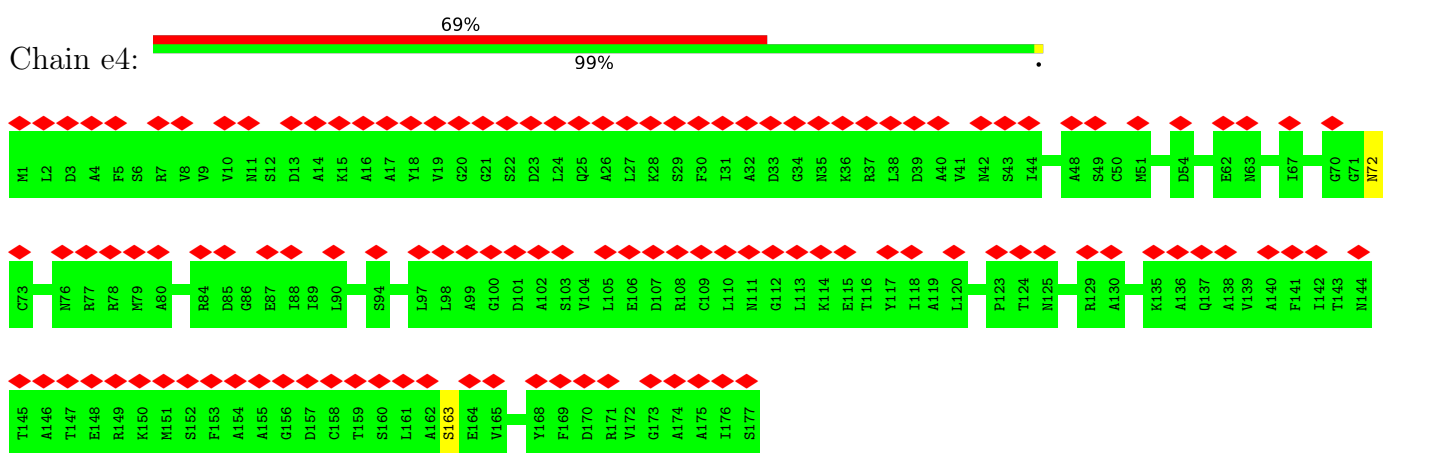
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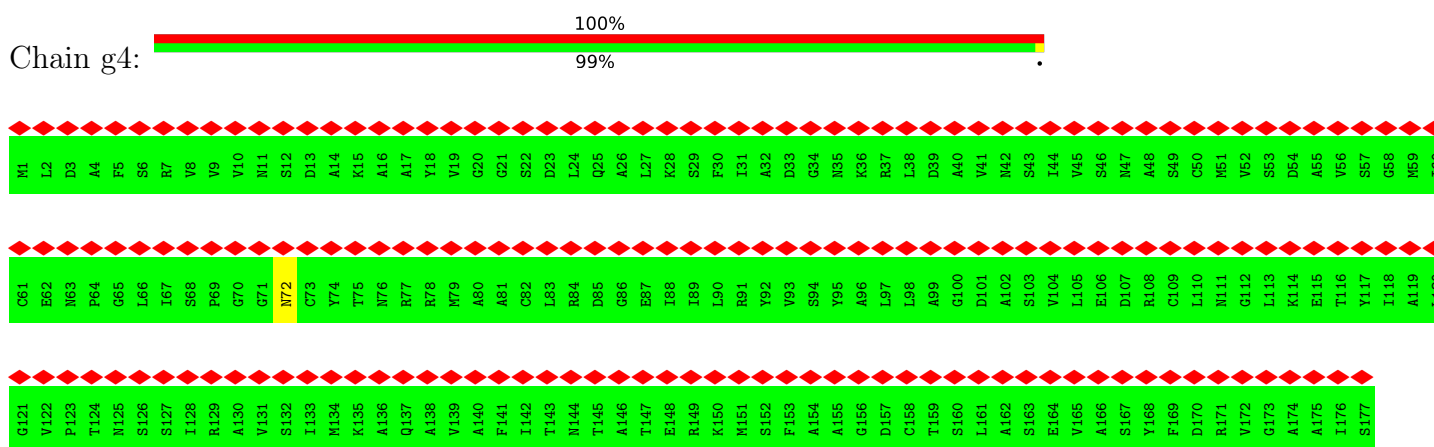
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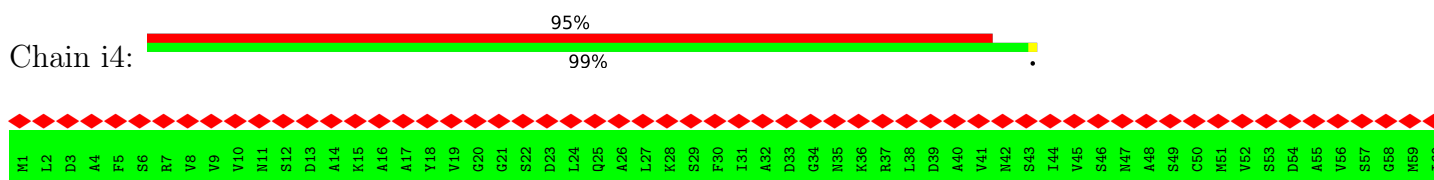
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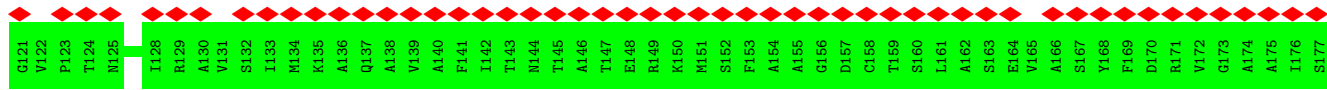
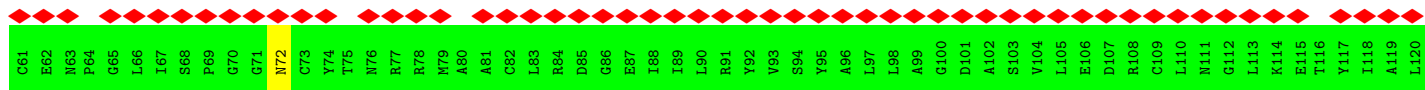


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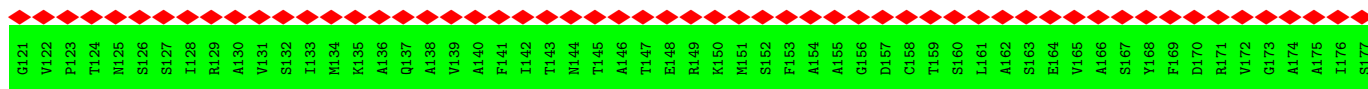
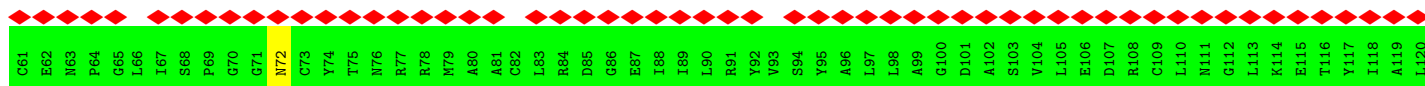
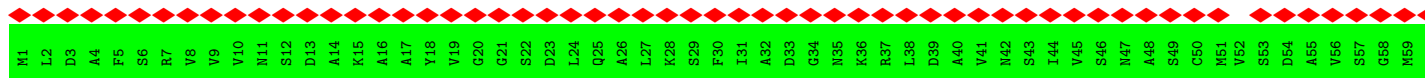


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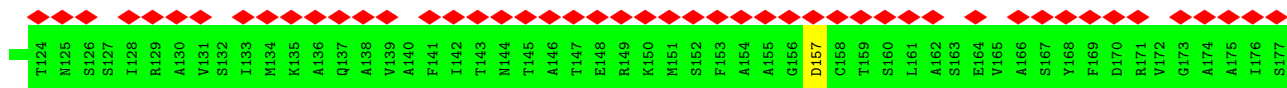
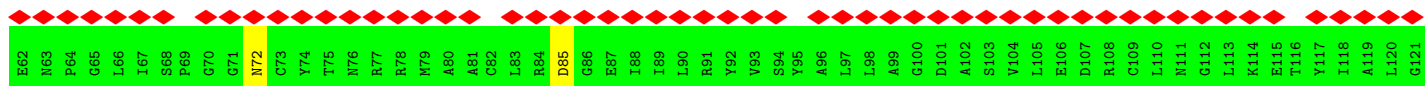
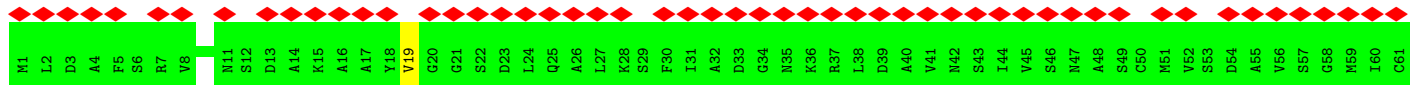




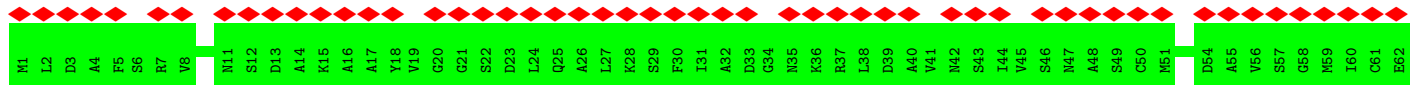
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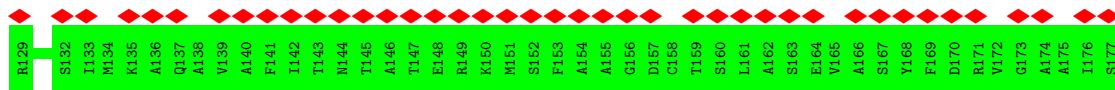


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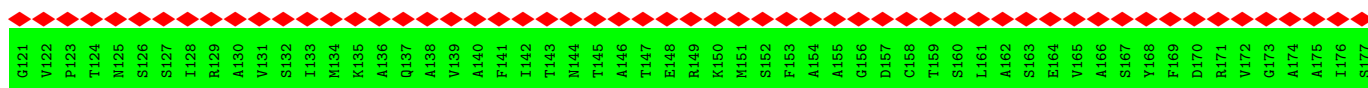
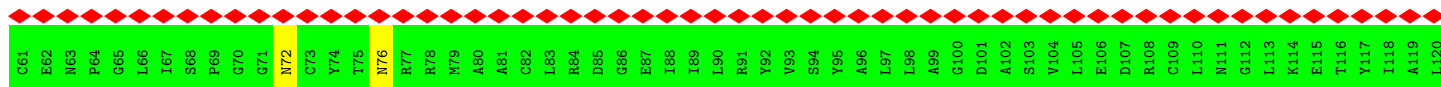


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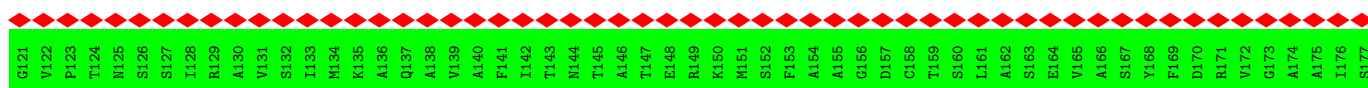




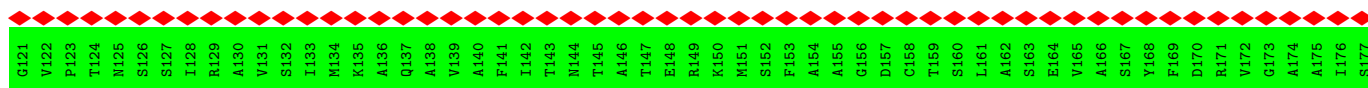
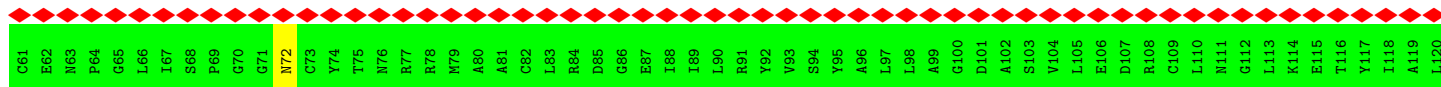
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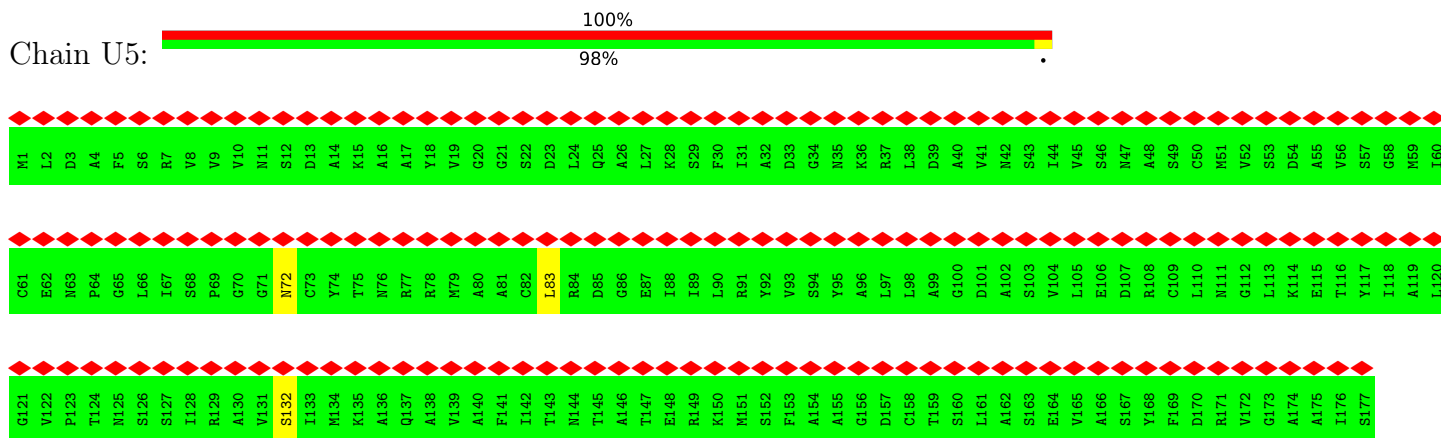
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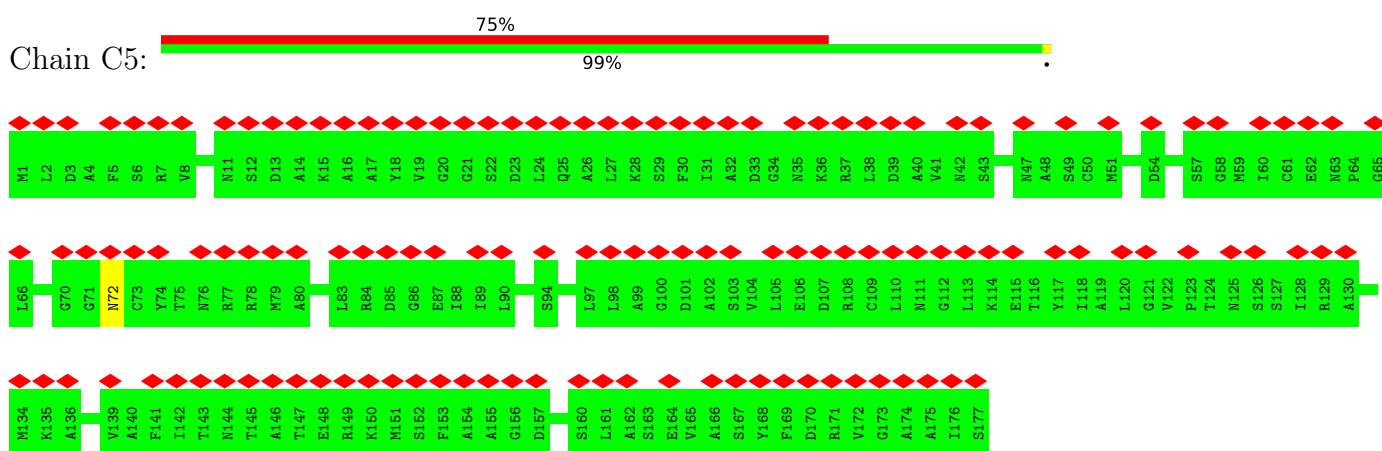
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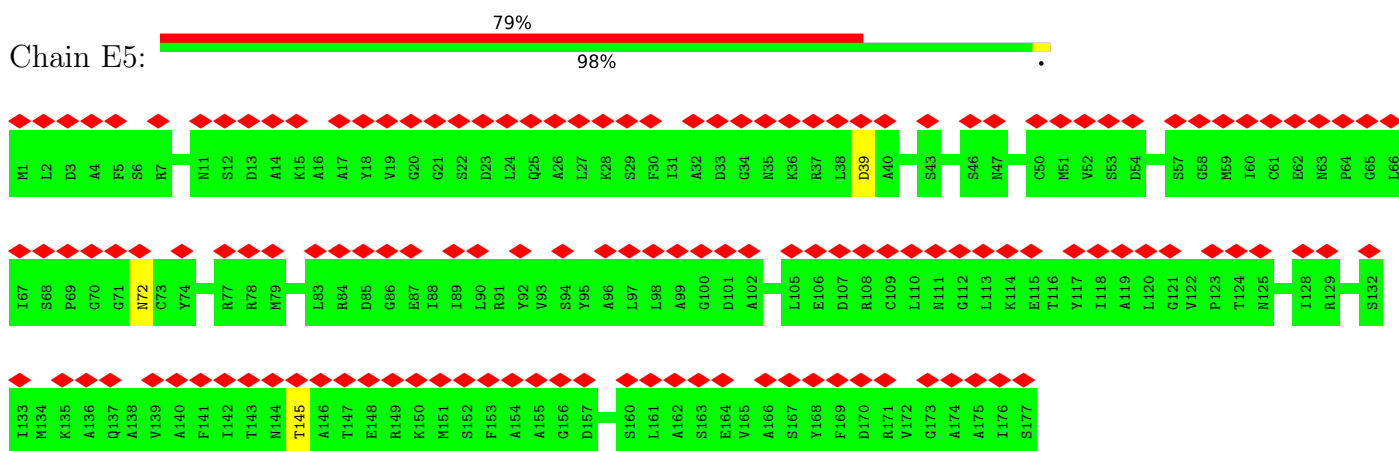
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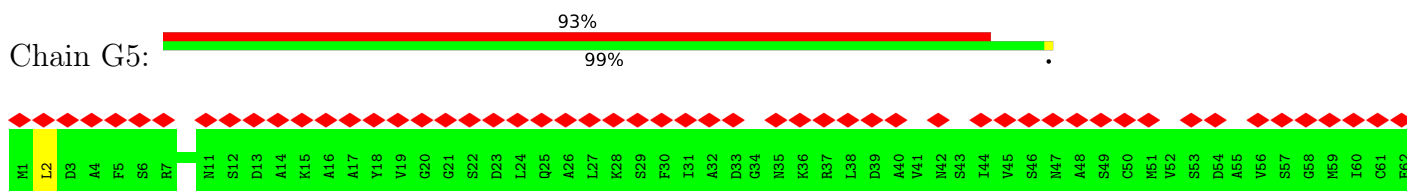
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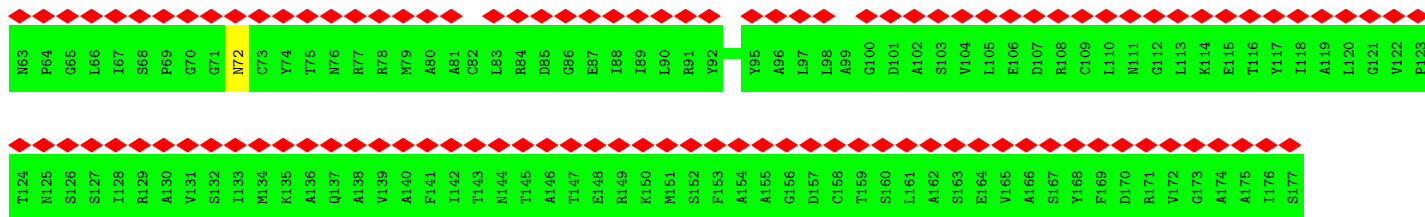


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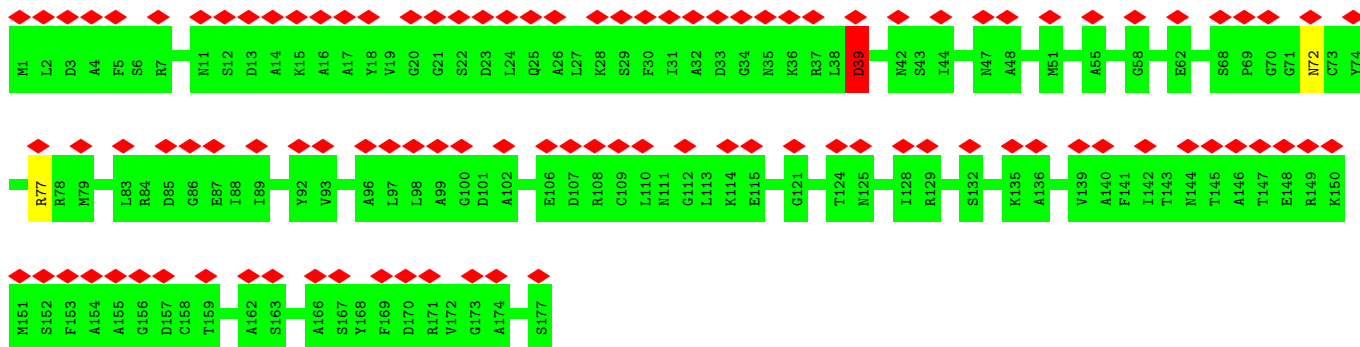


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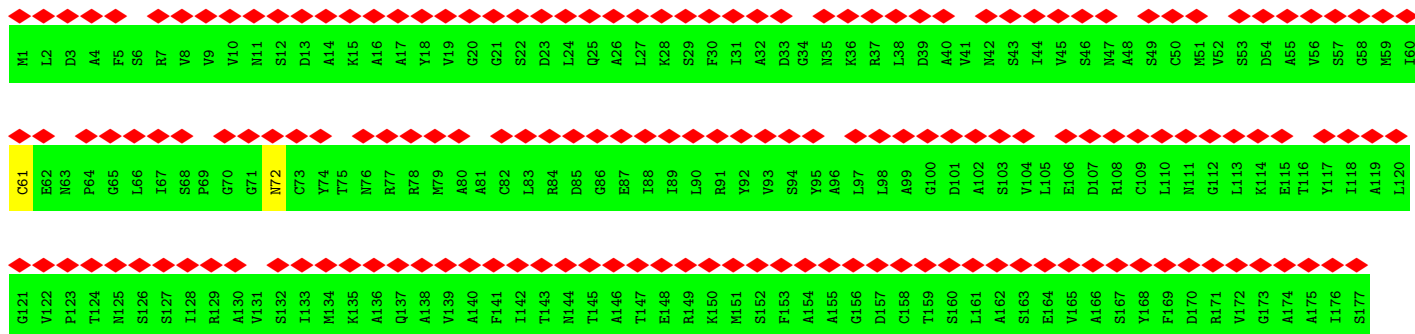




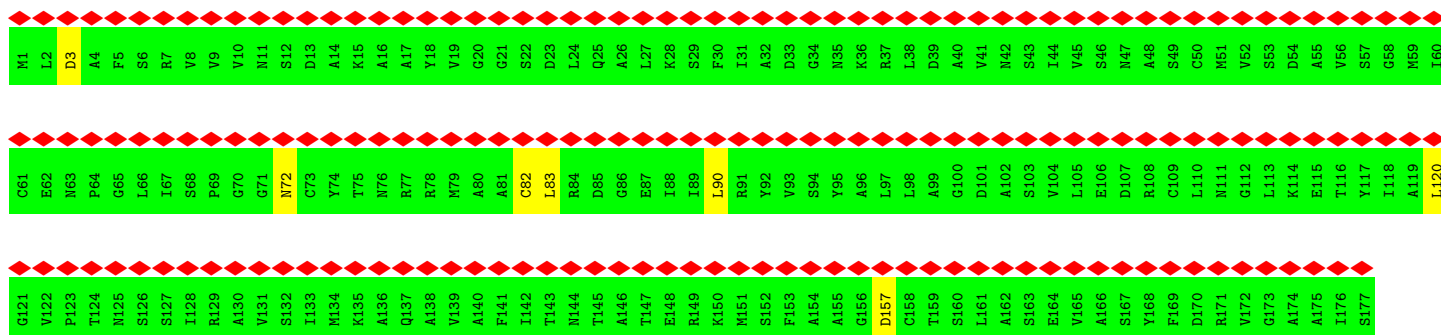
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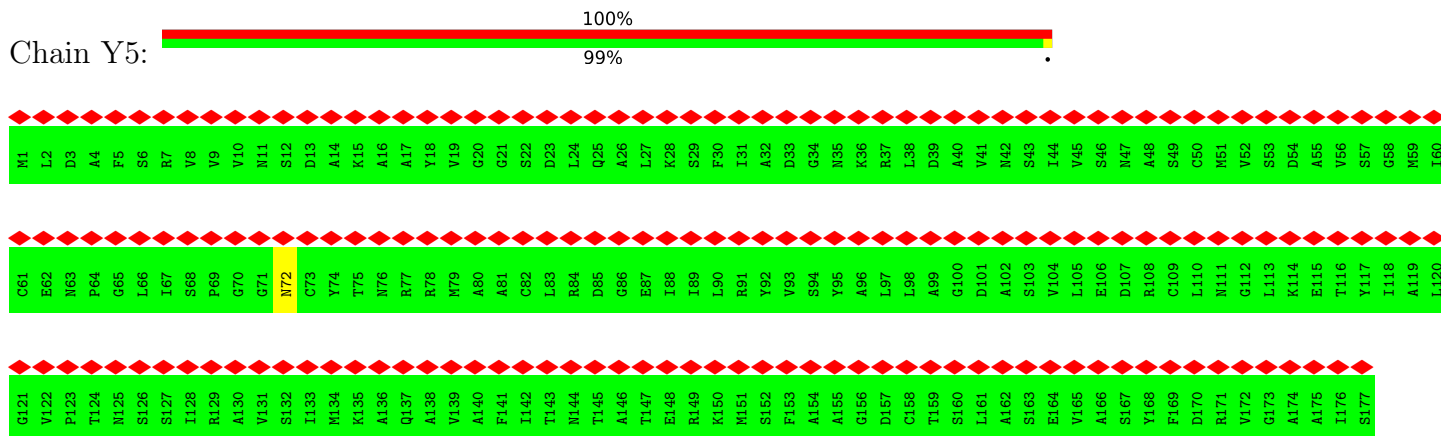
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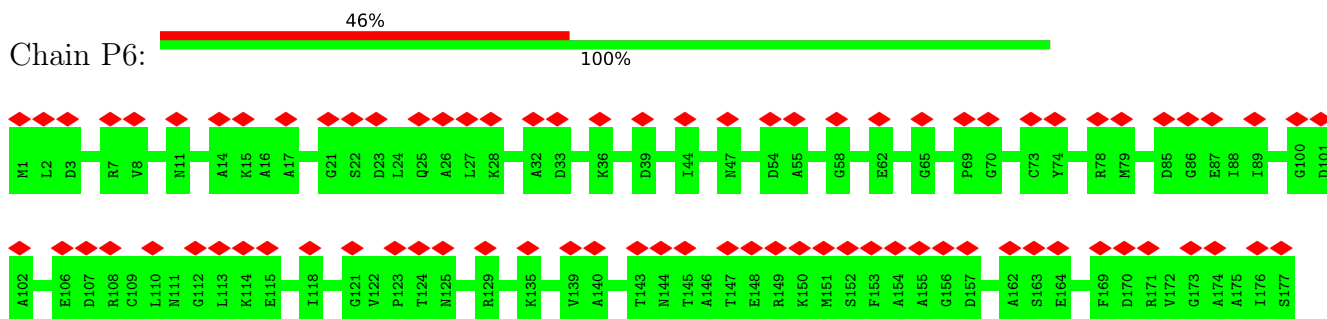
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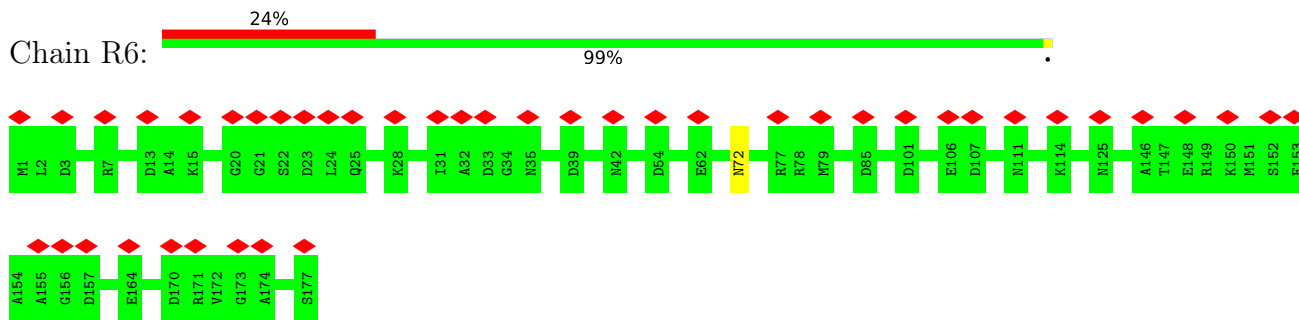
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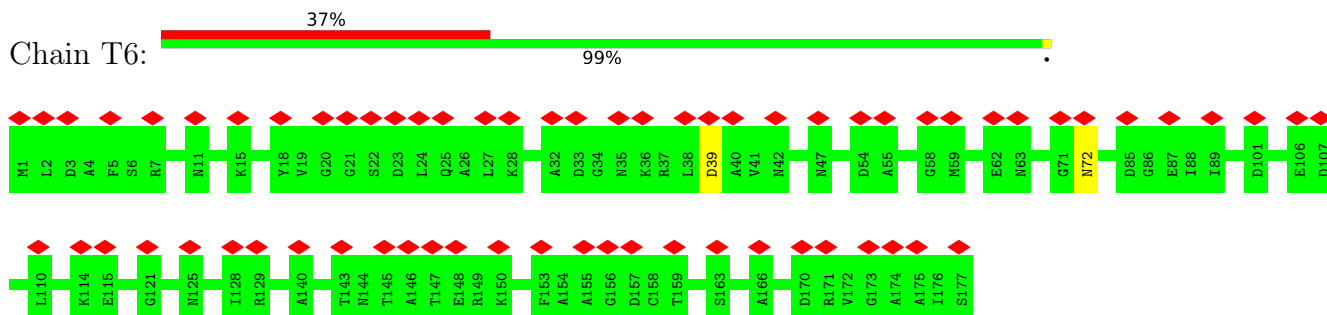
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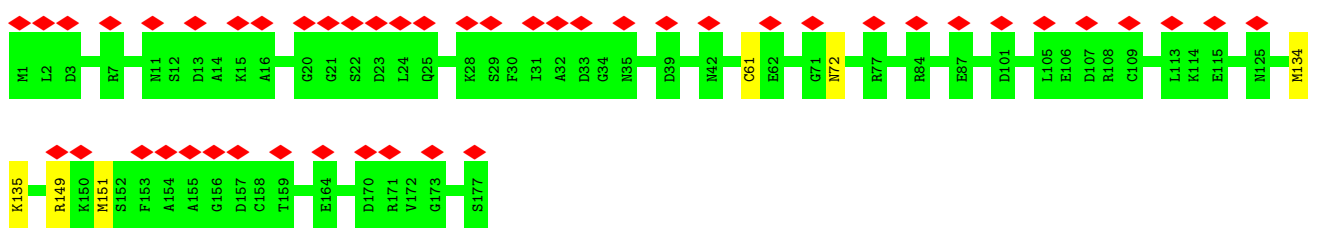
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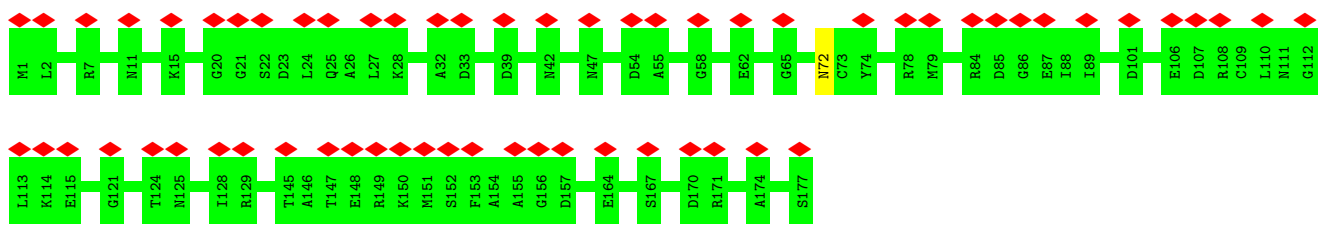
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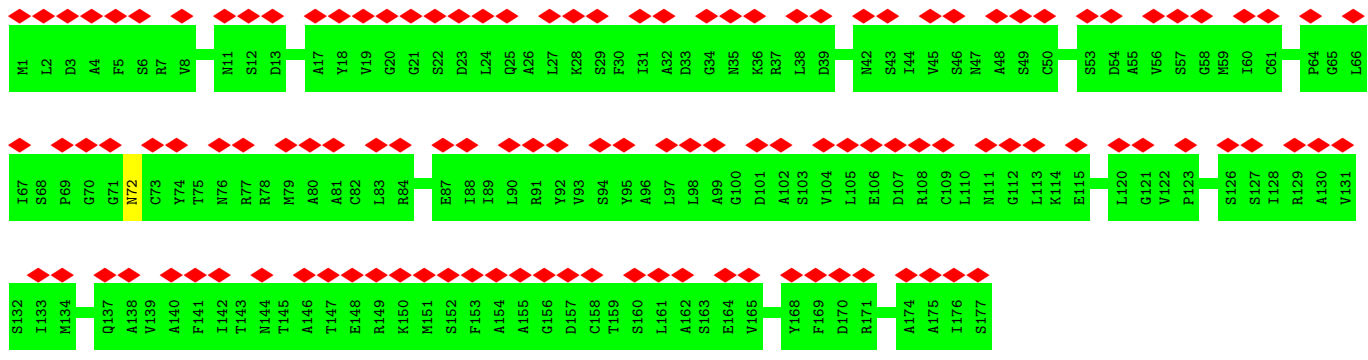
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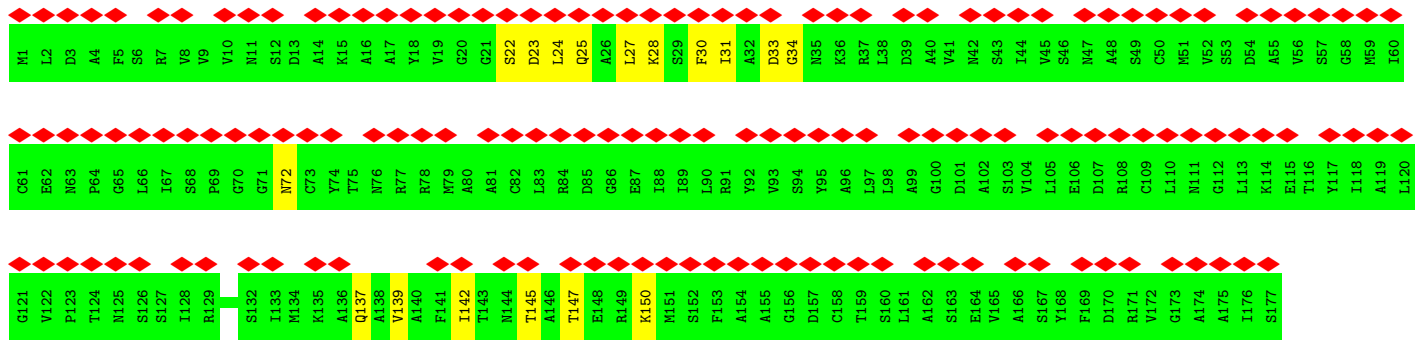
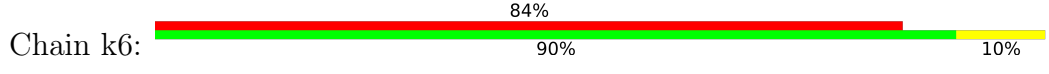
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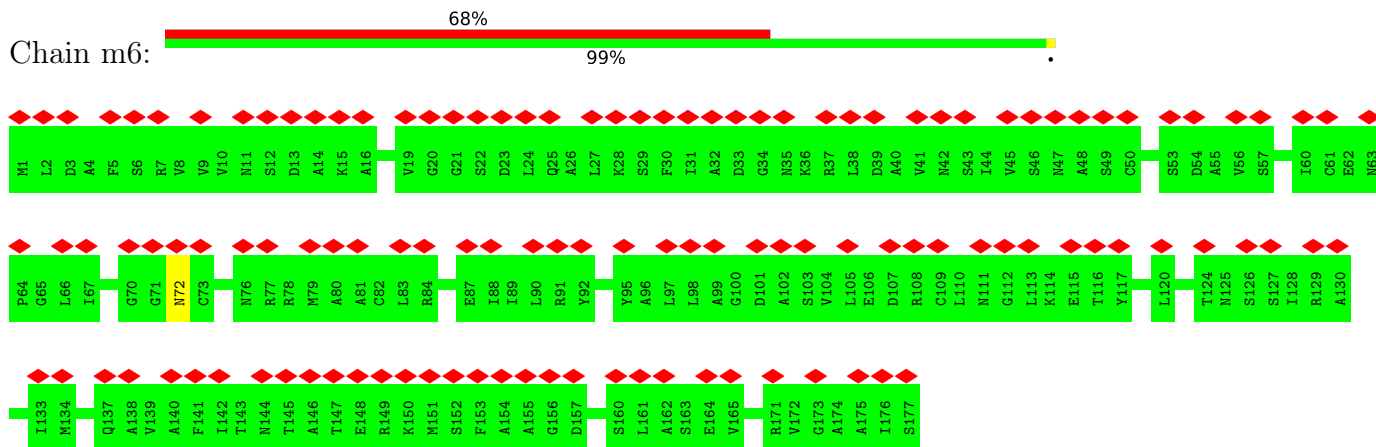
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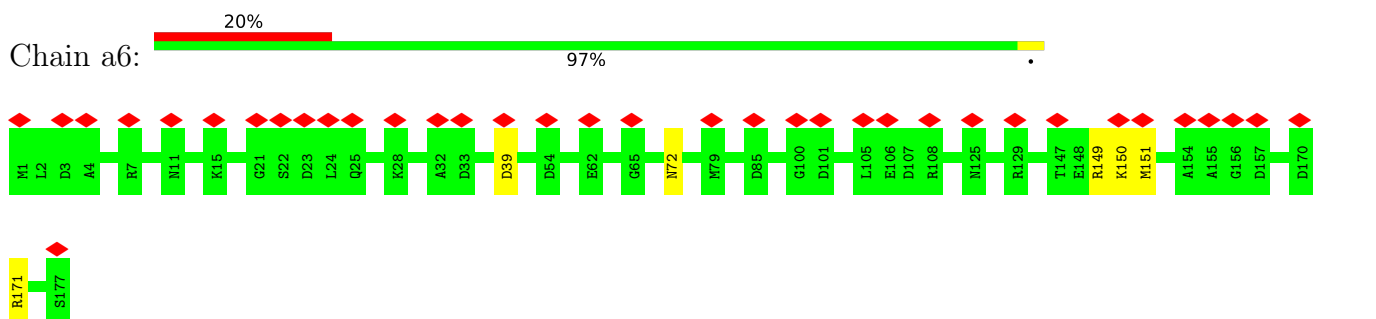
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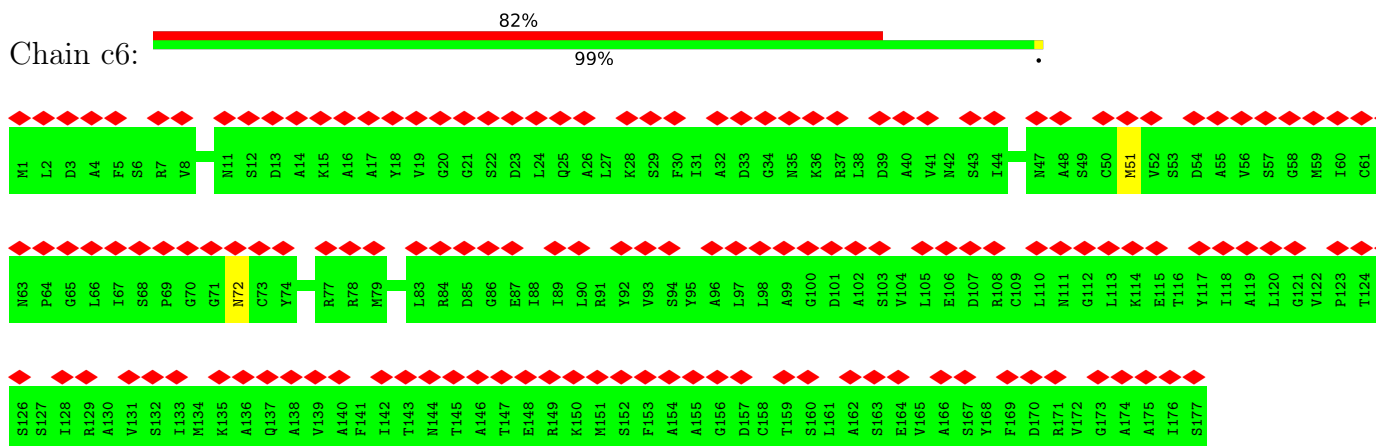
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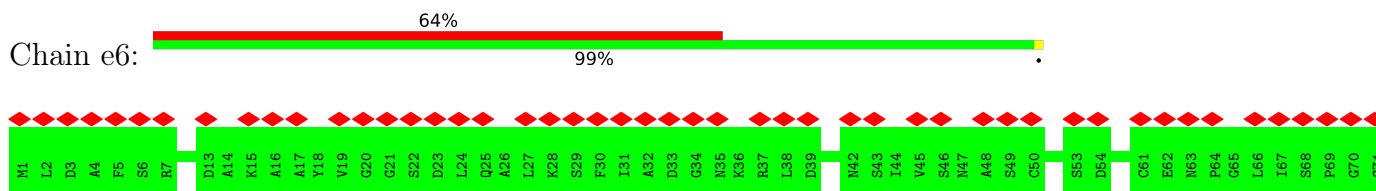
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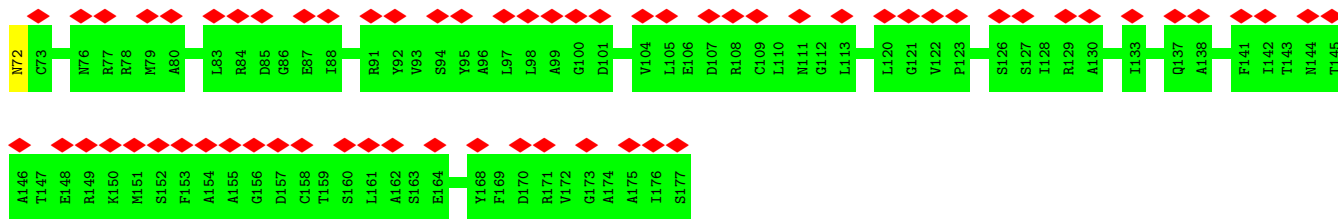


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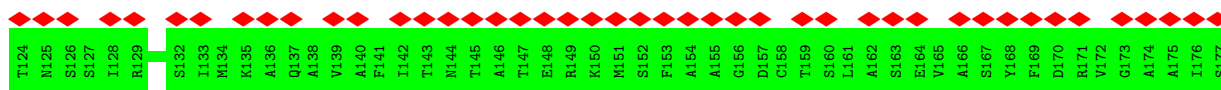
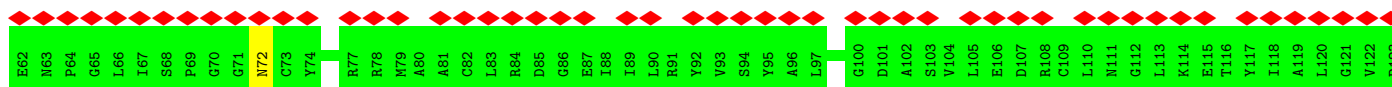
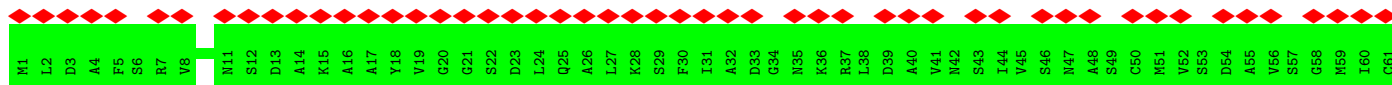
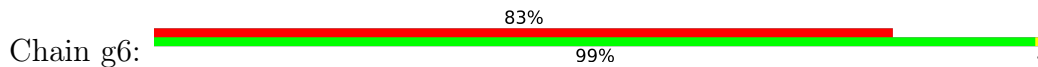


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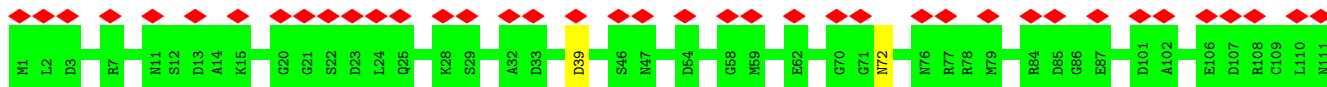




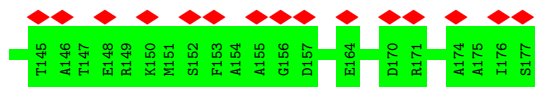
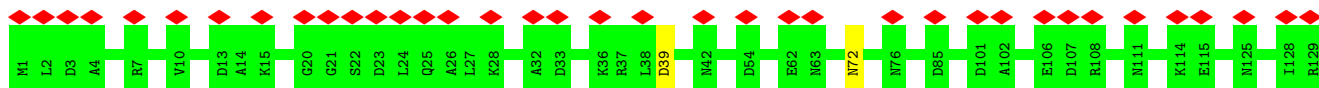
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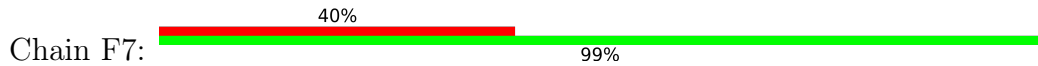
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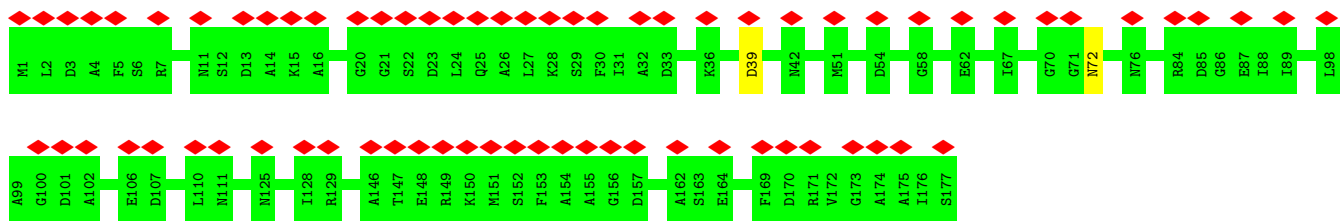


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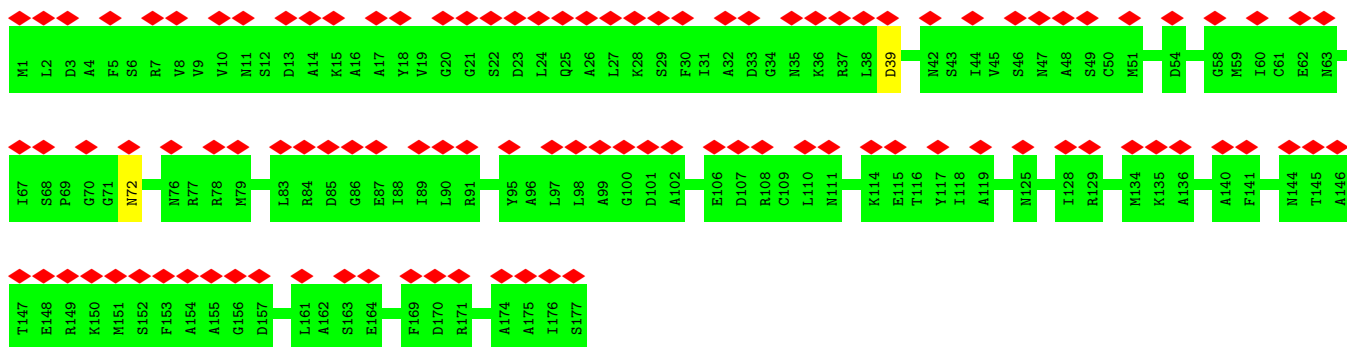


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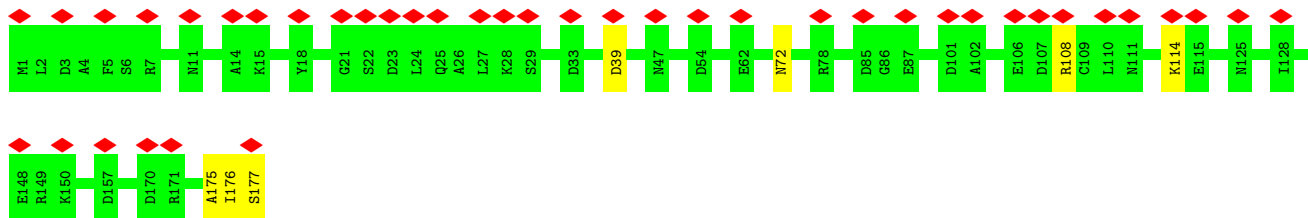




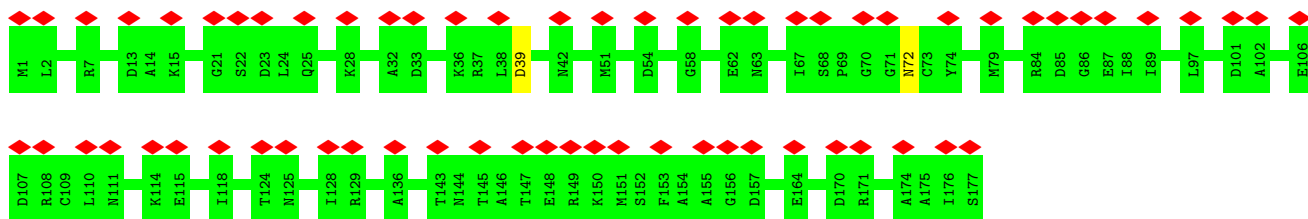
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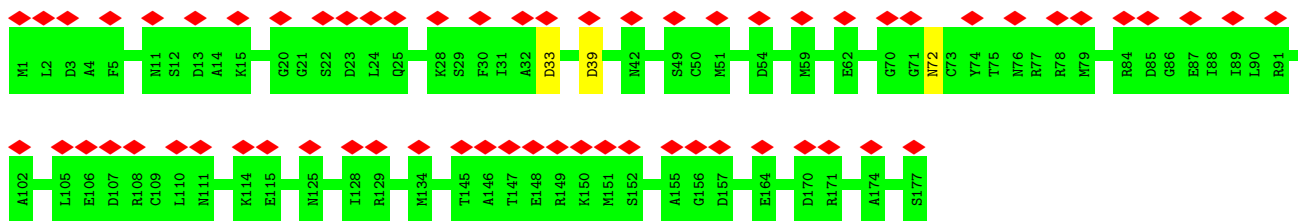


• Molecule 2: B-phycoerythrin beta chain

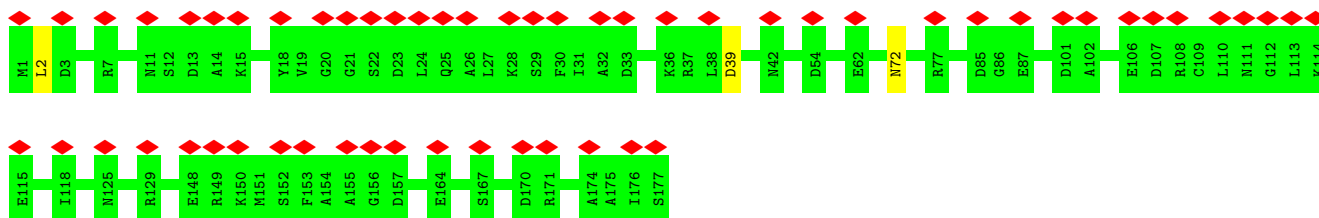


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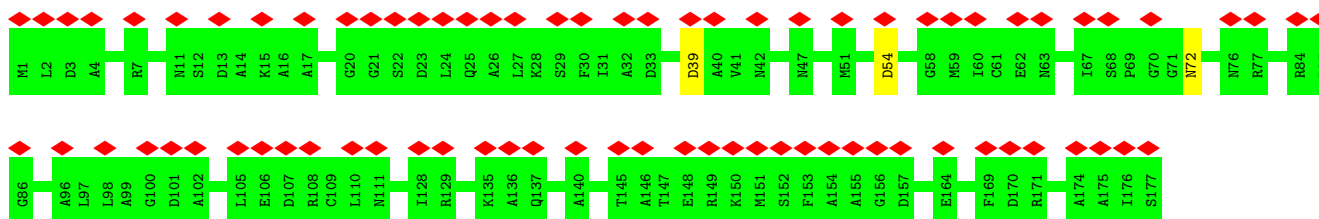




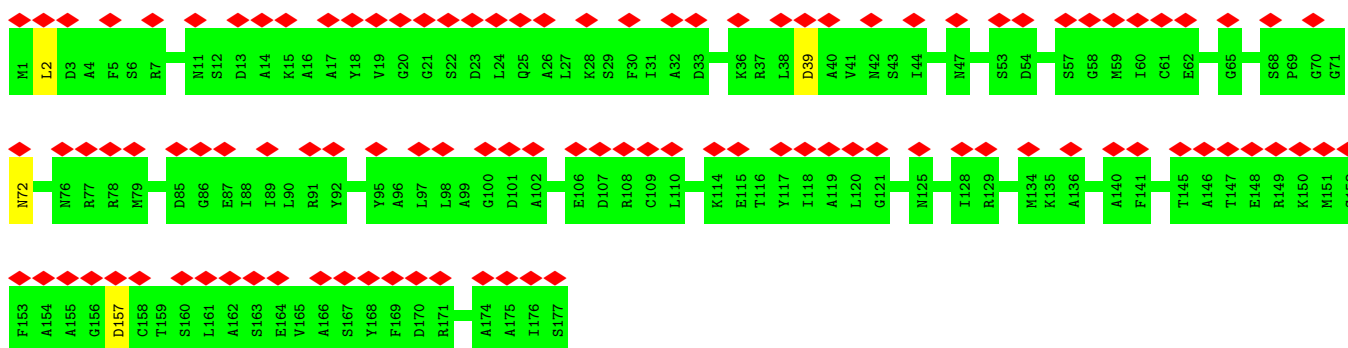
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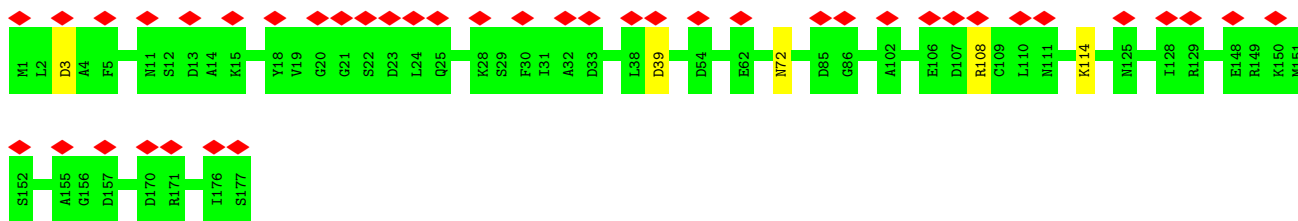


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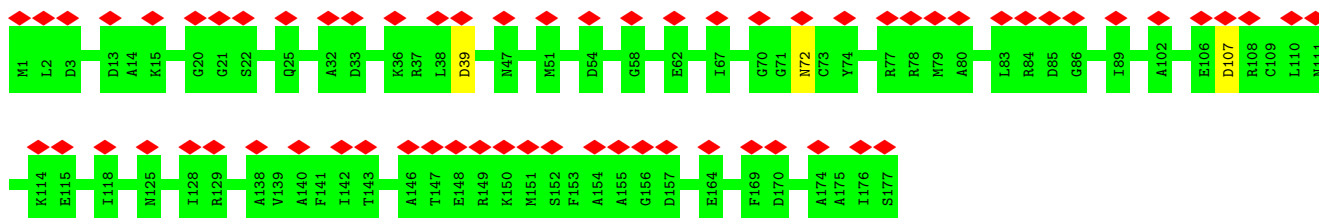


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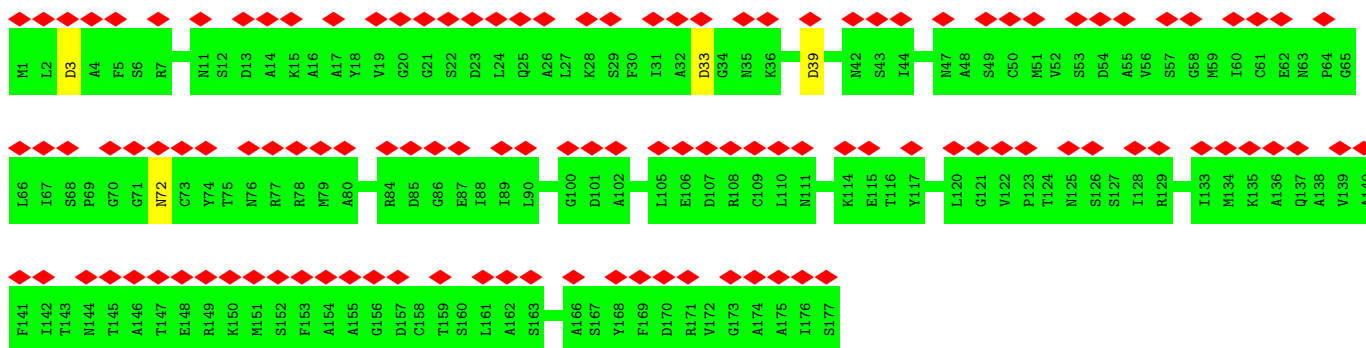




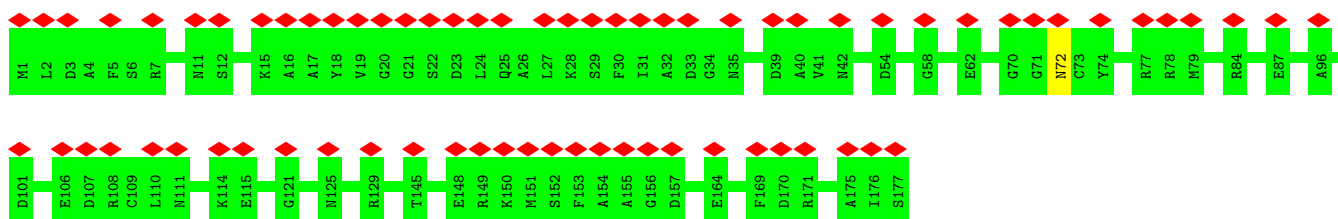
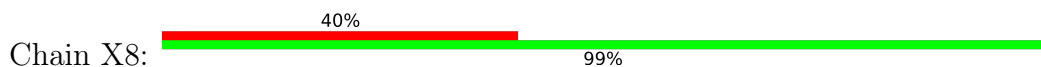
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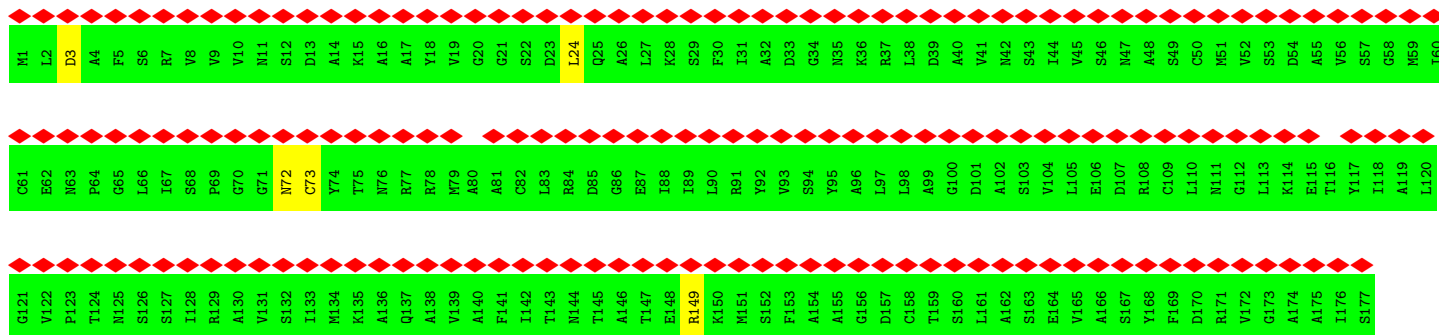


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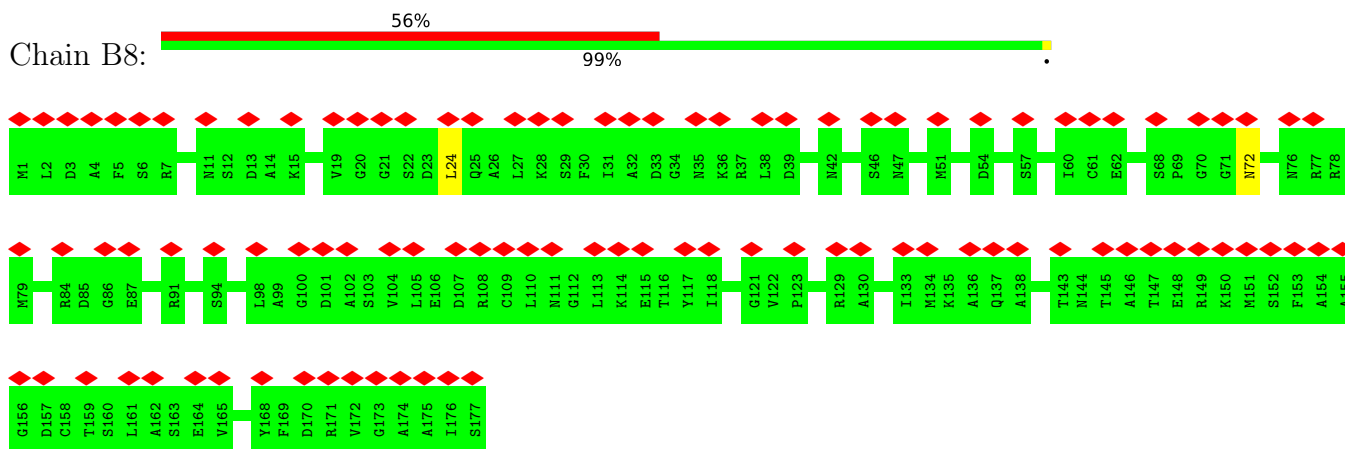


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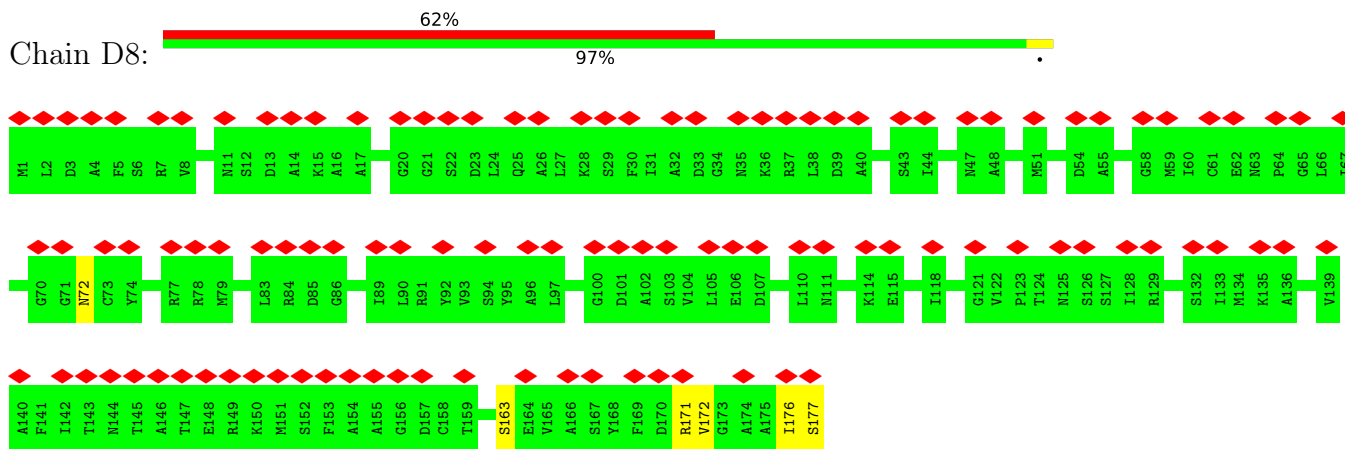




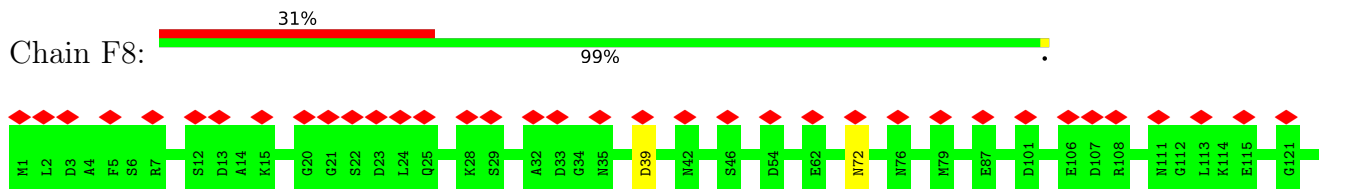
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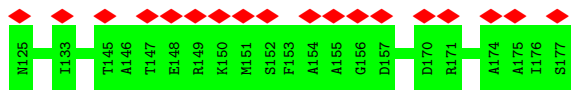


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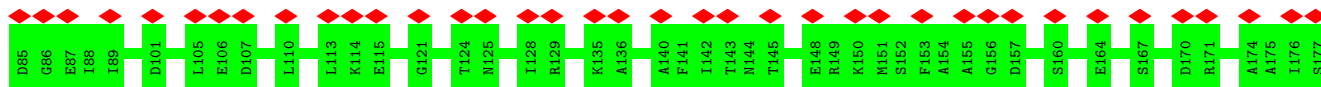
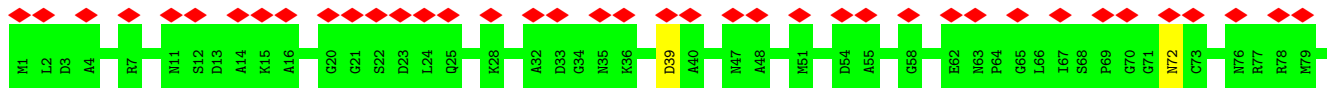
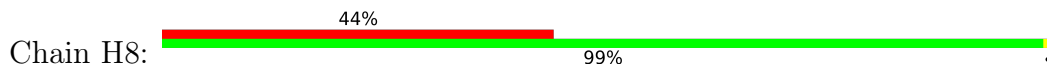


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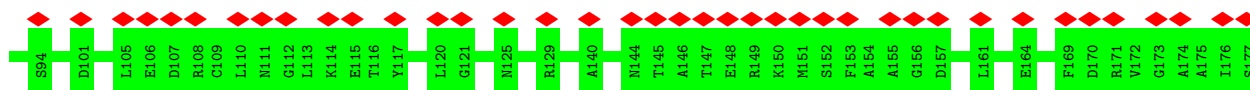
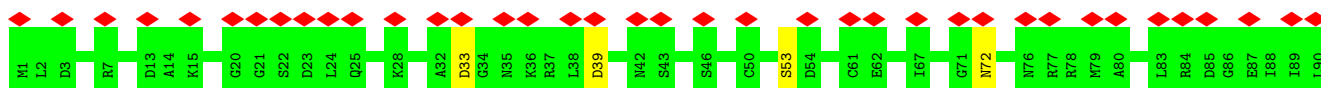
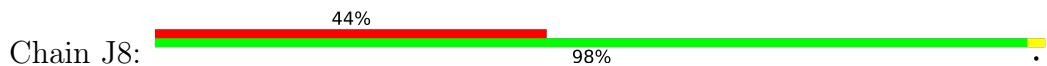




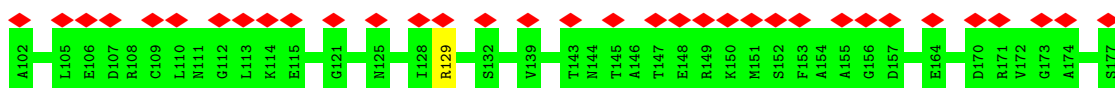
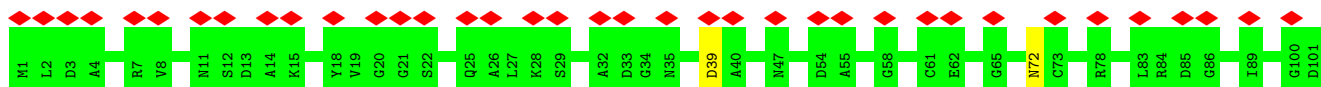
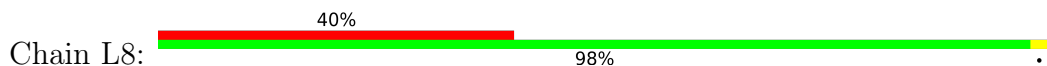
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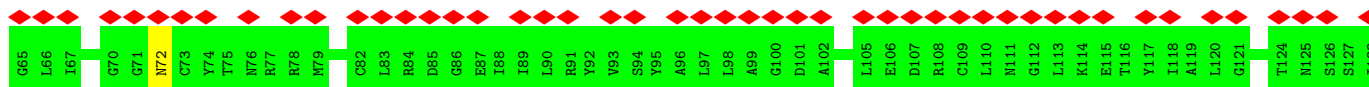
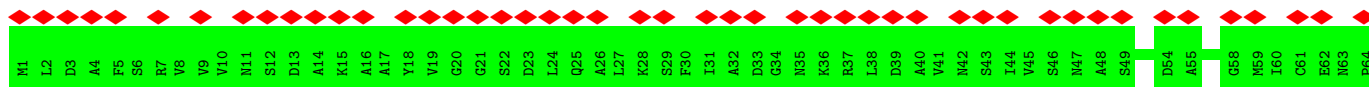
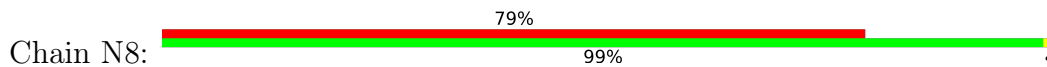
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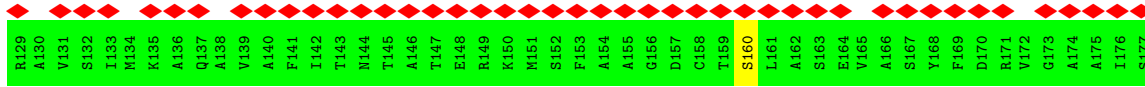


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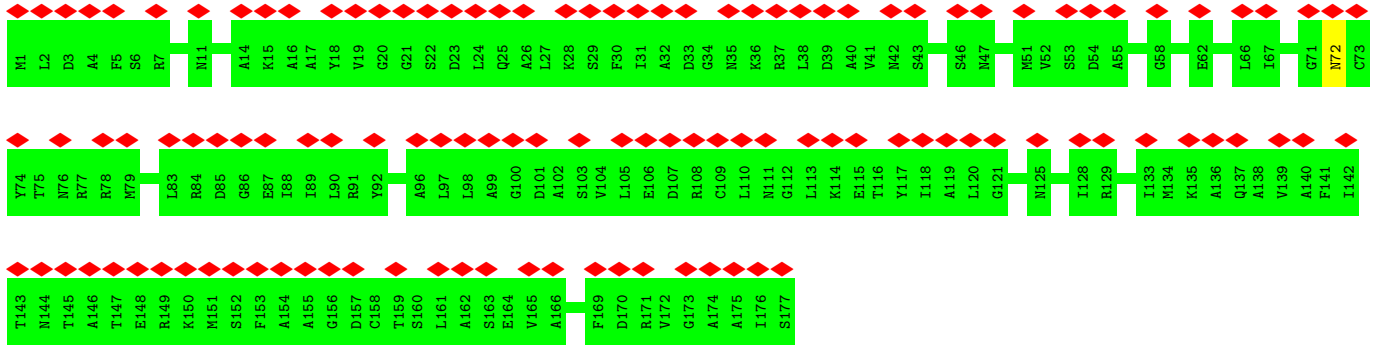


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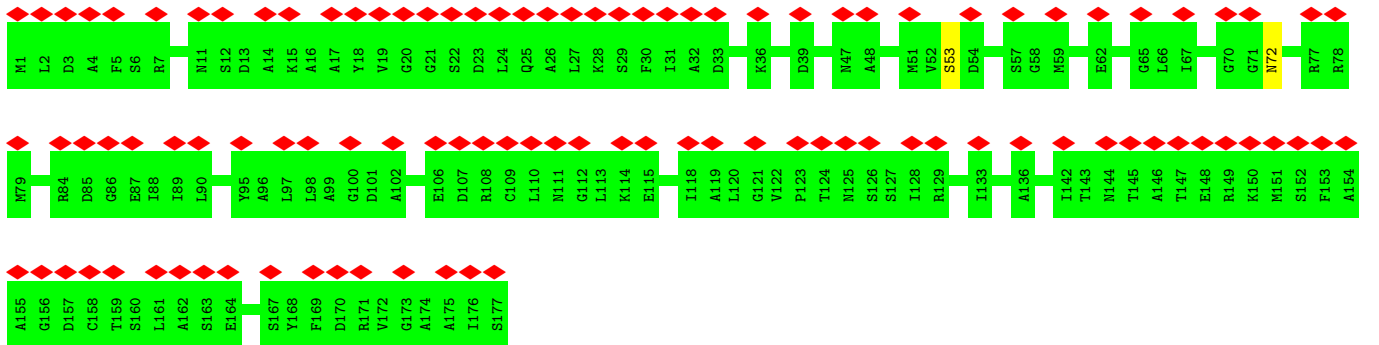




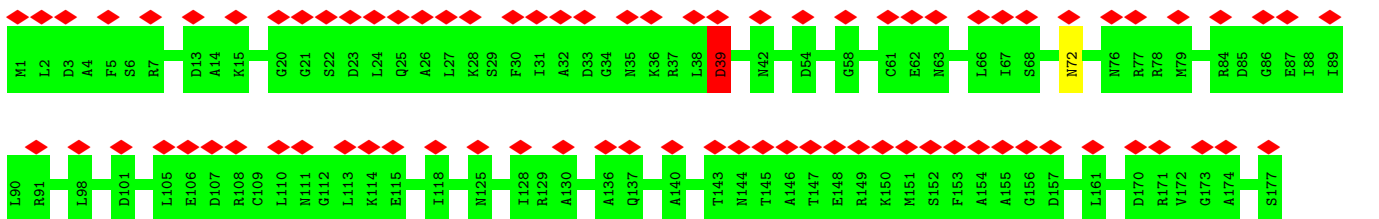
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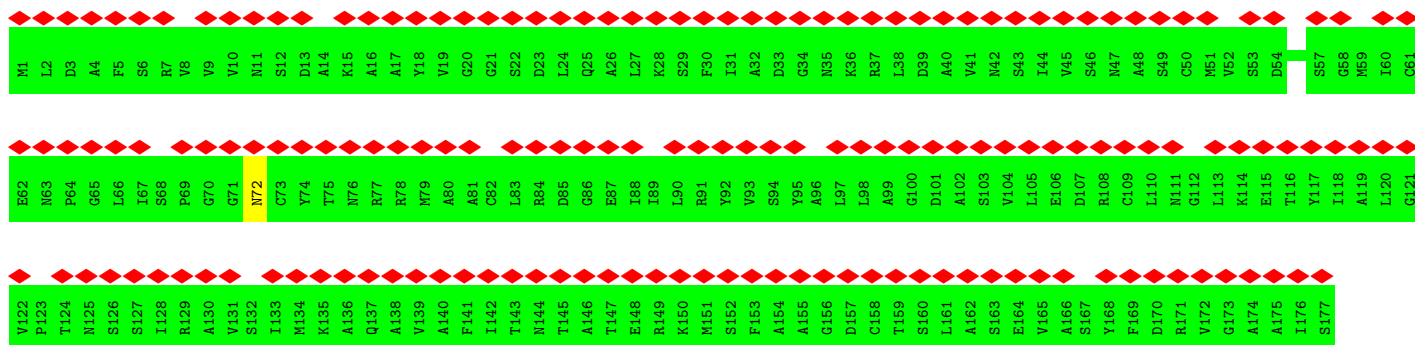


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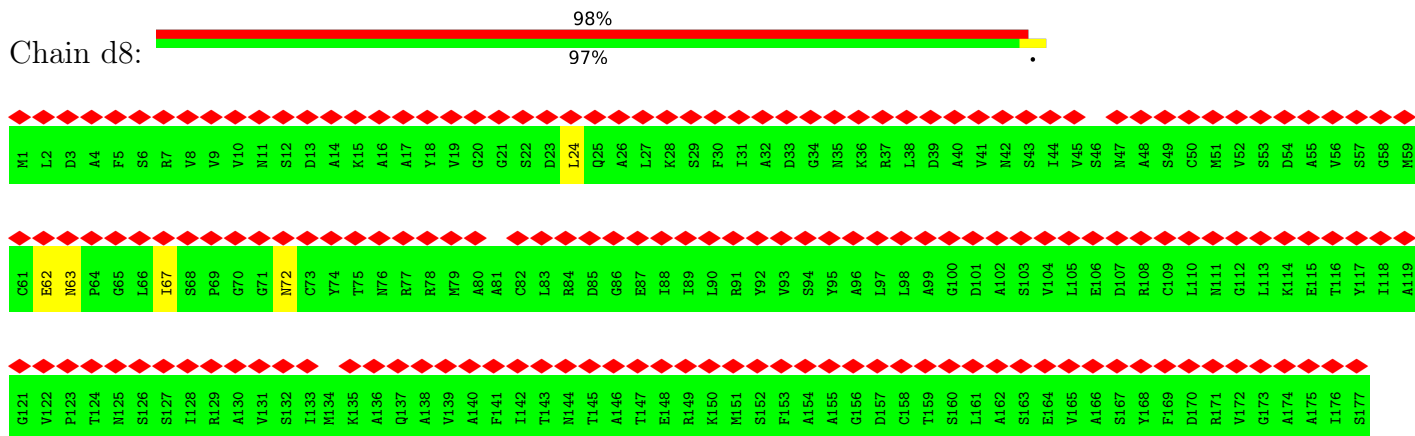


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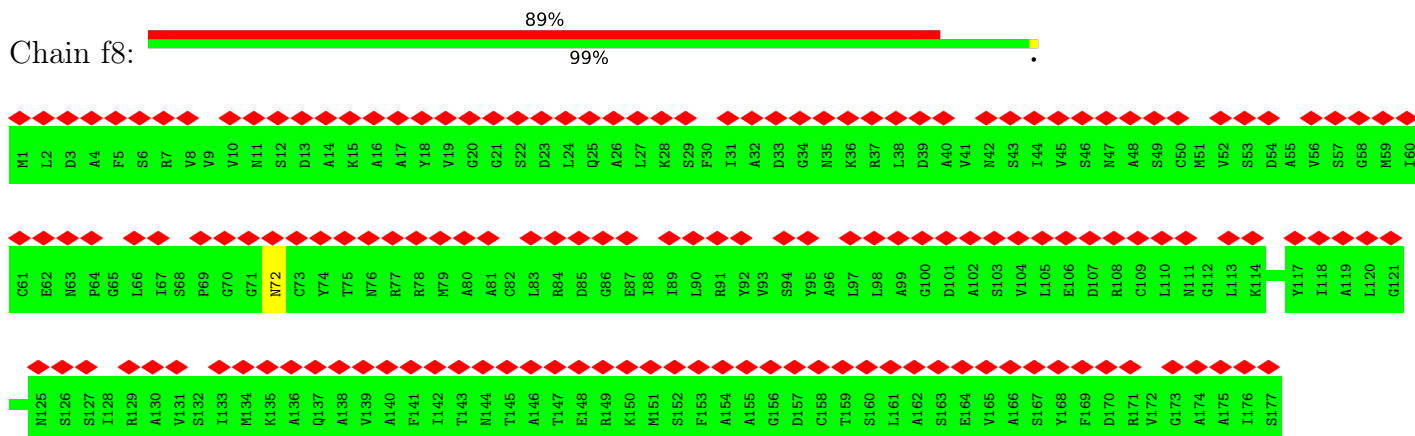




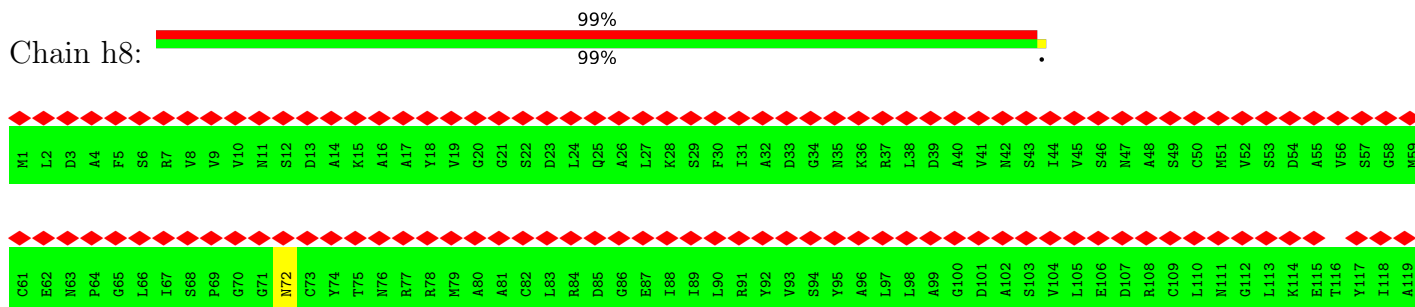
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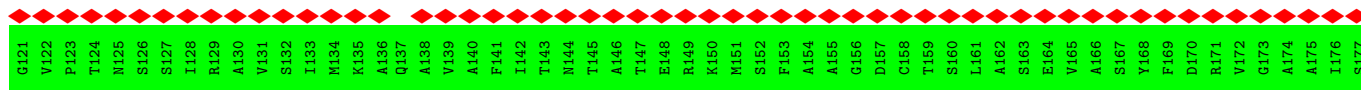


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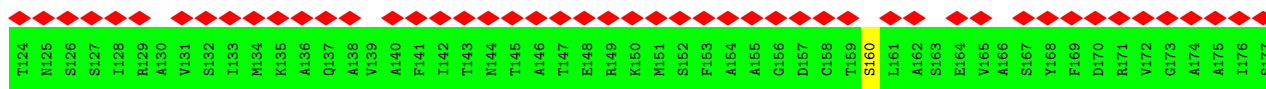
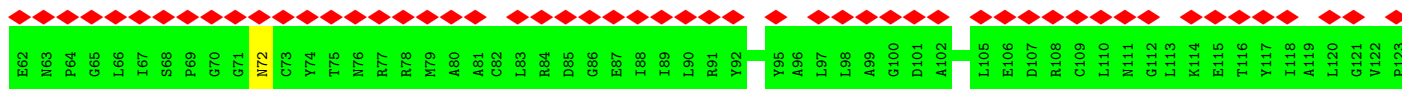
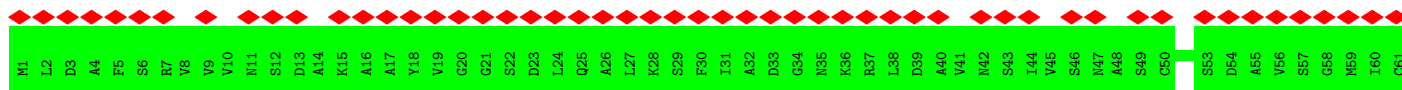


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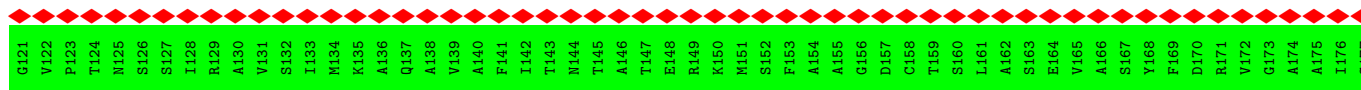
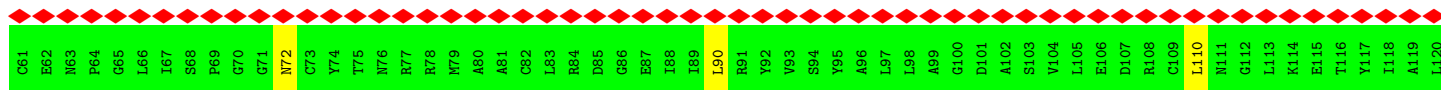
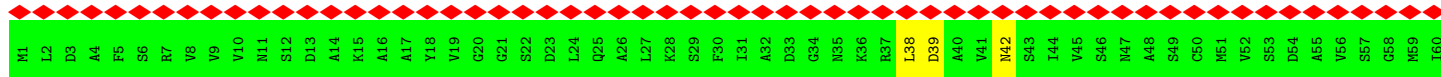




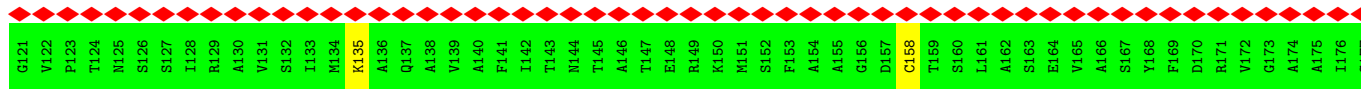
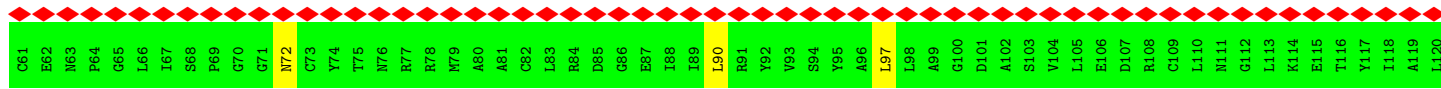
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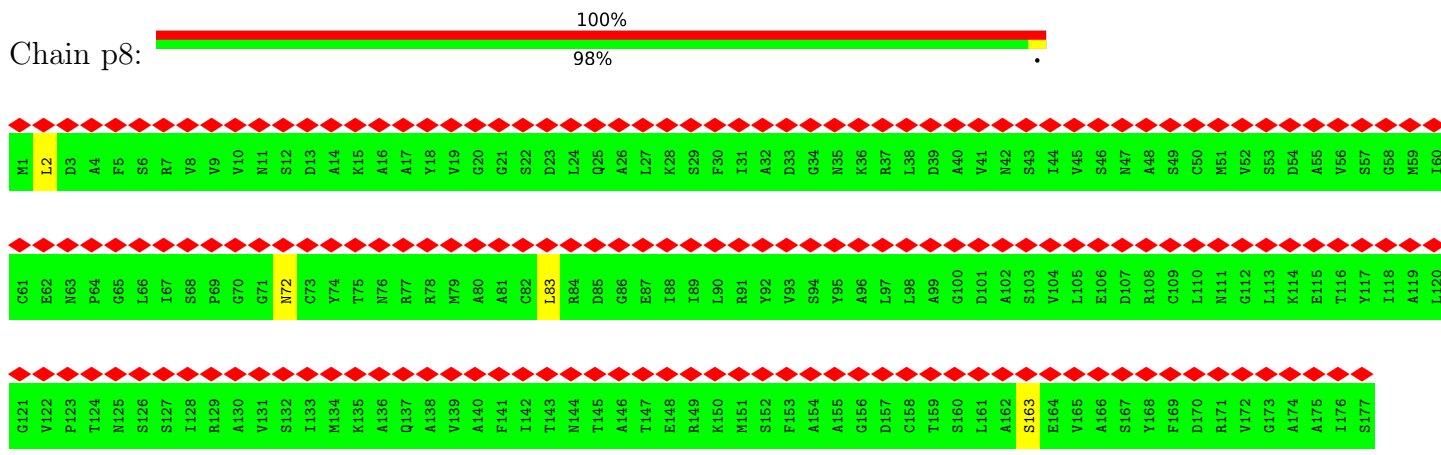
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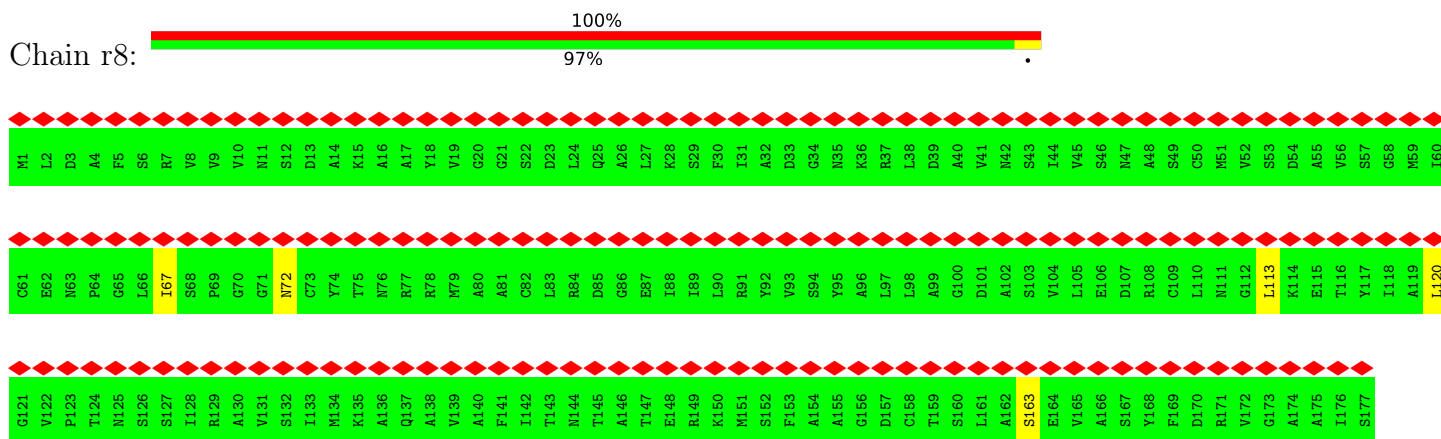
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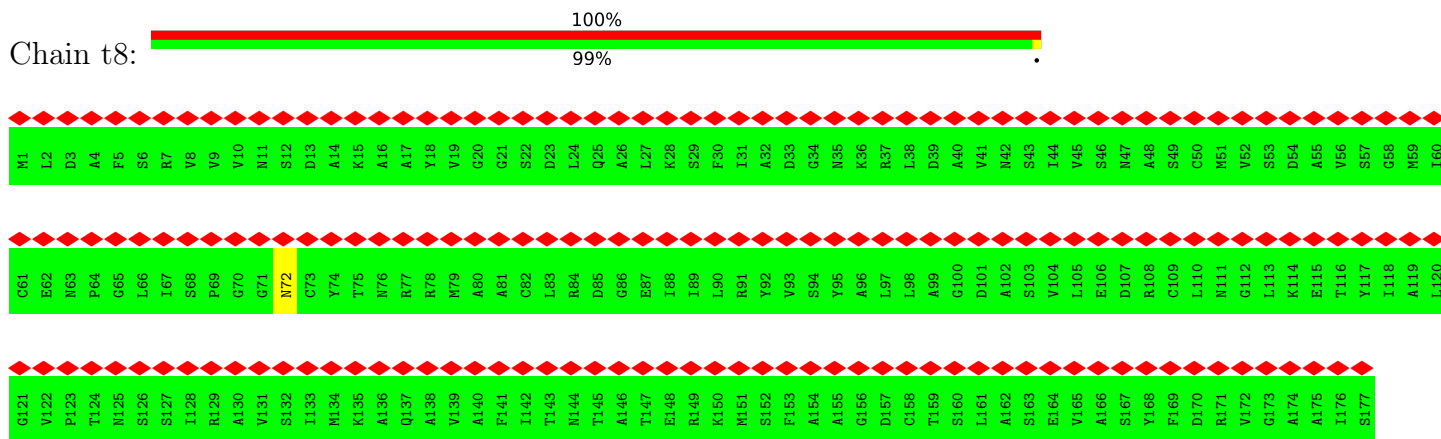
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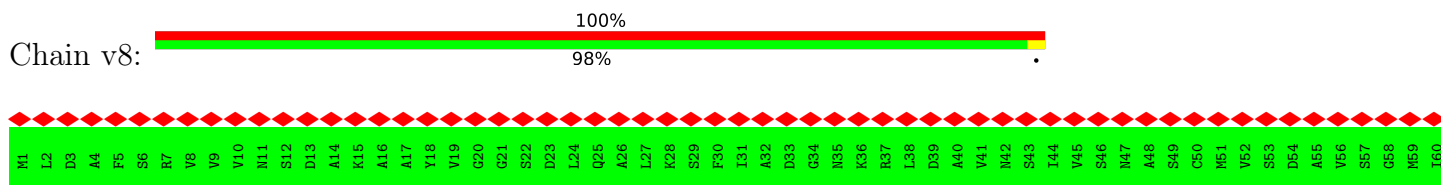
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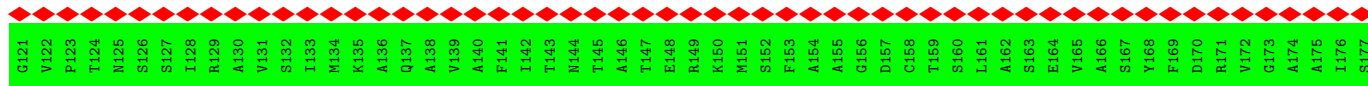
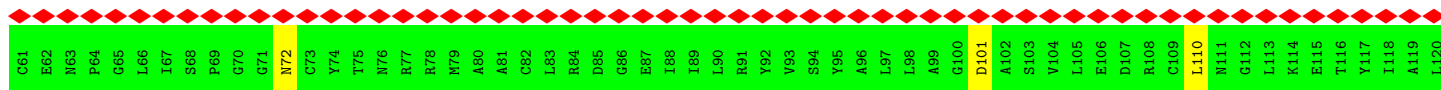


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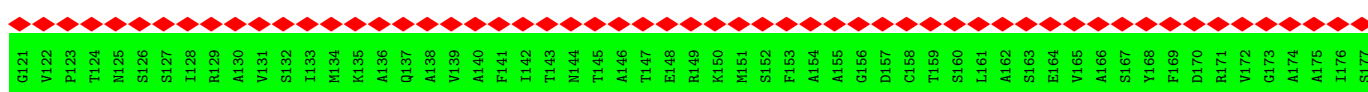
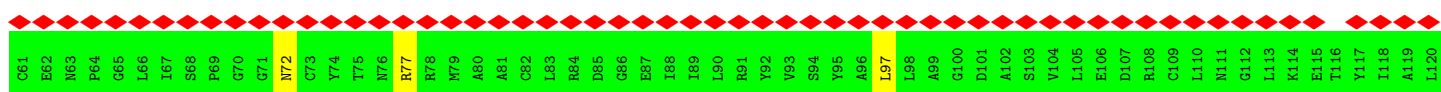


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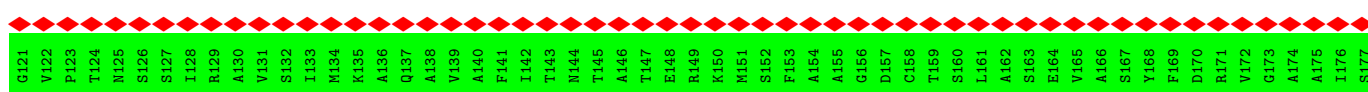
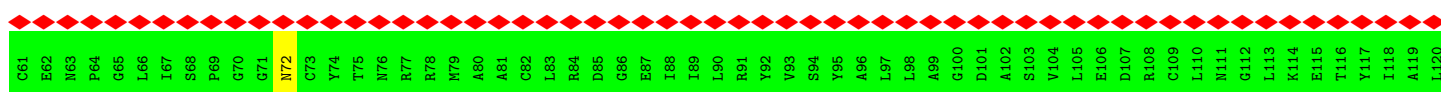




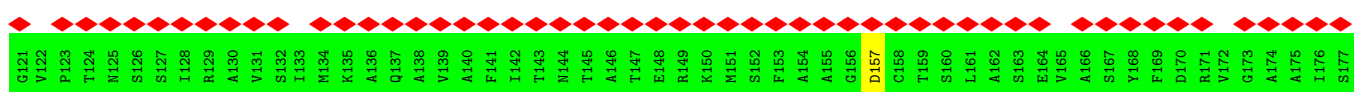
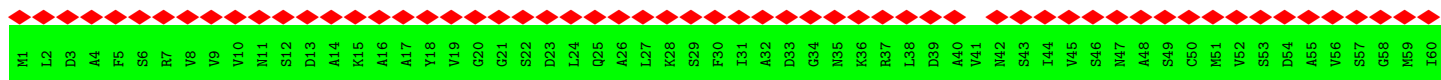
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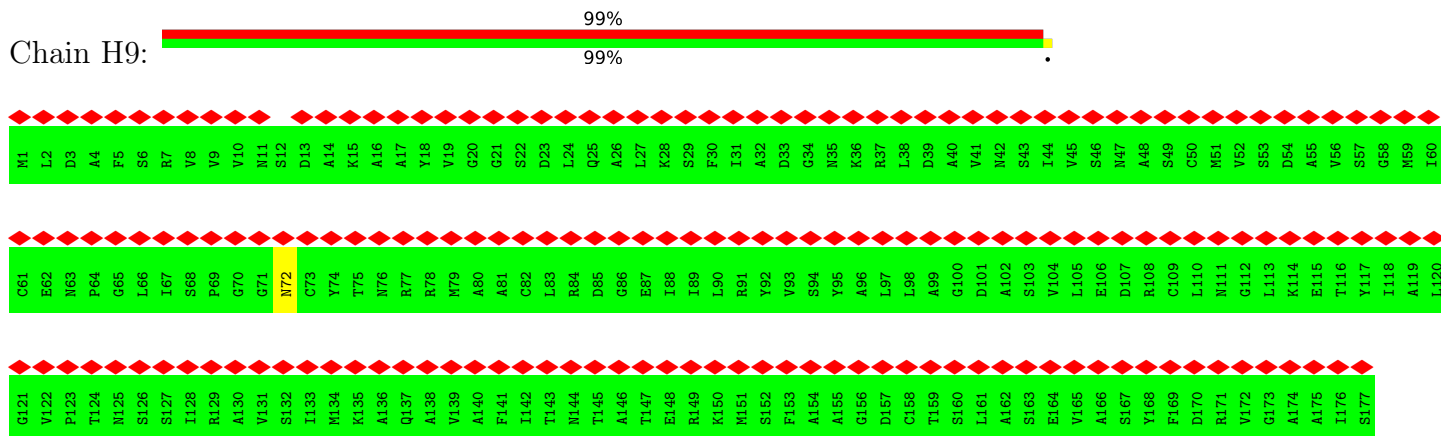
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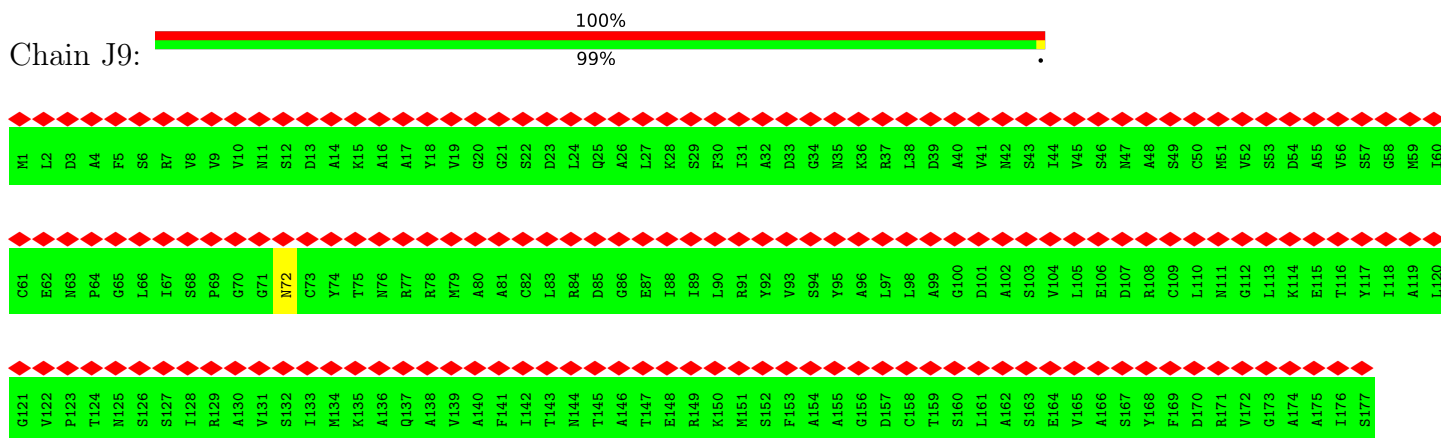
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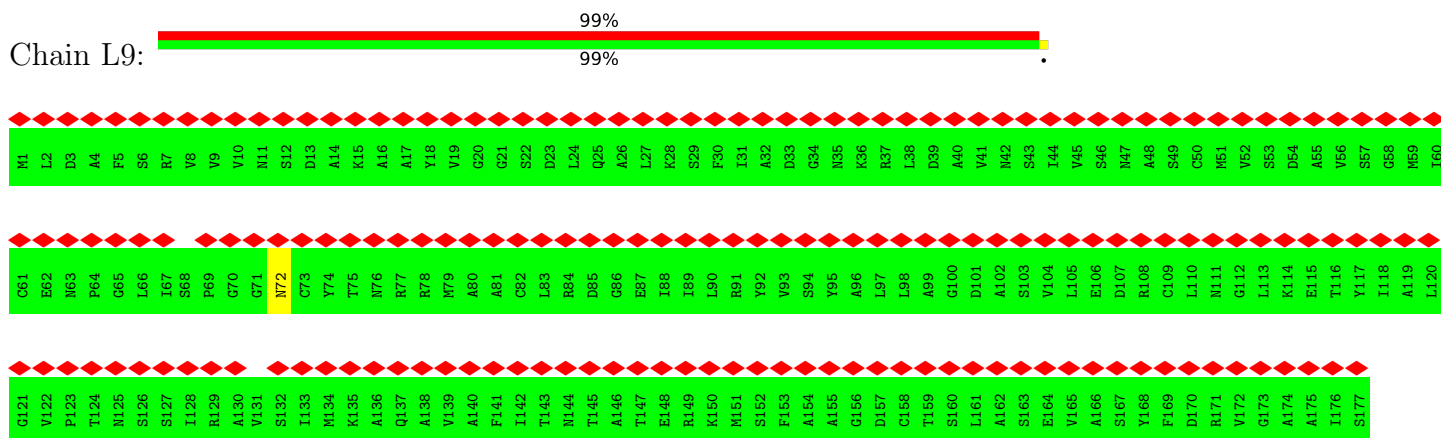
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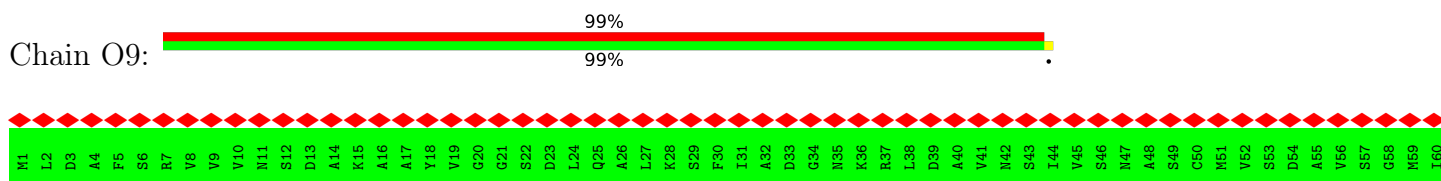
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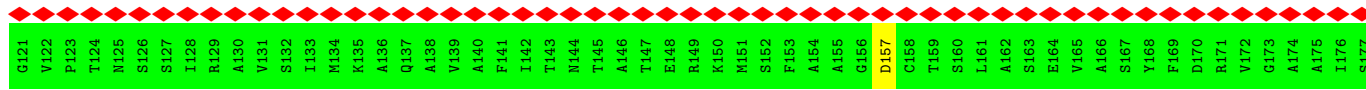
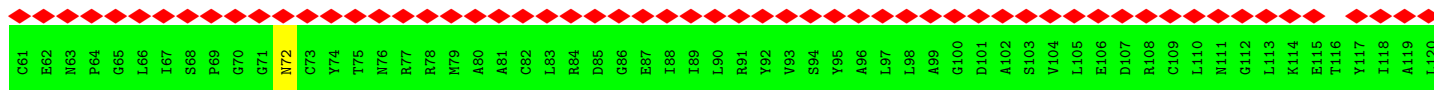


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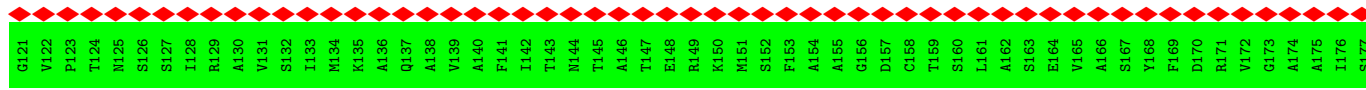
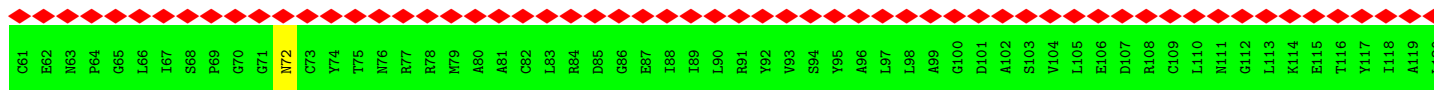
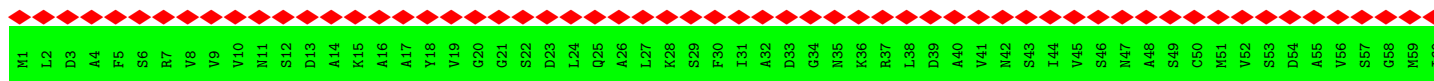


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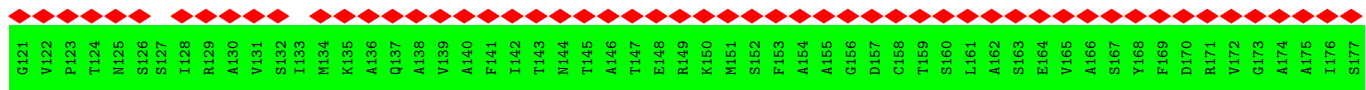
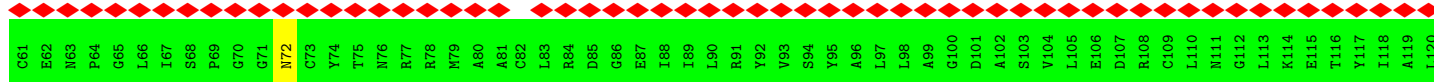
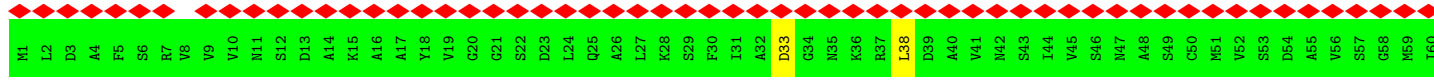




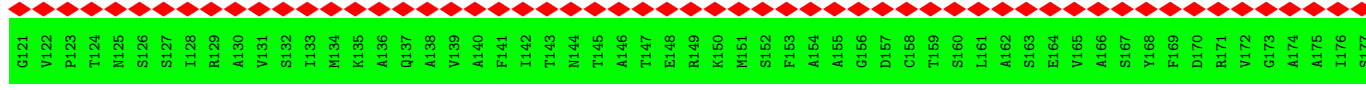
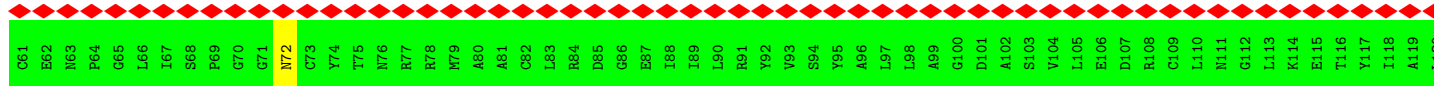
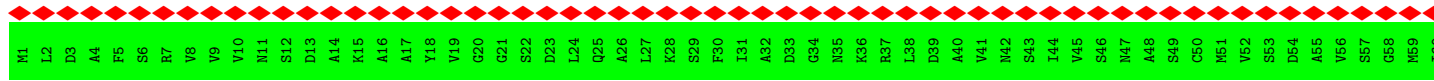
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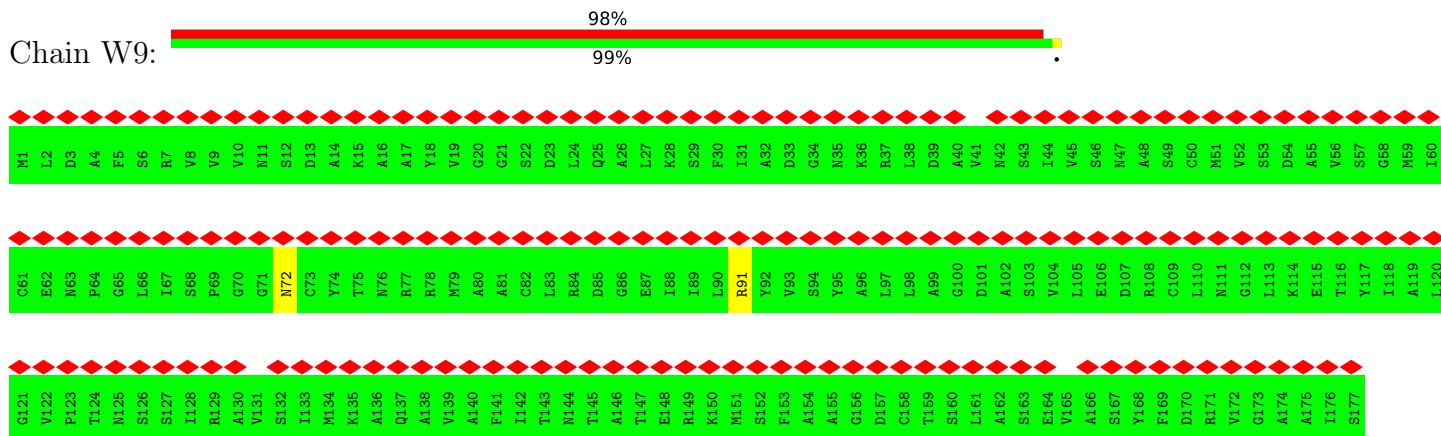
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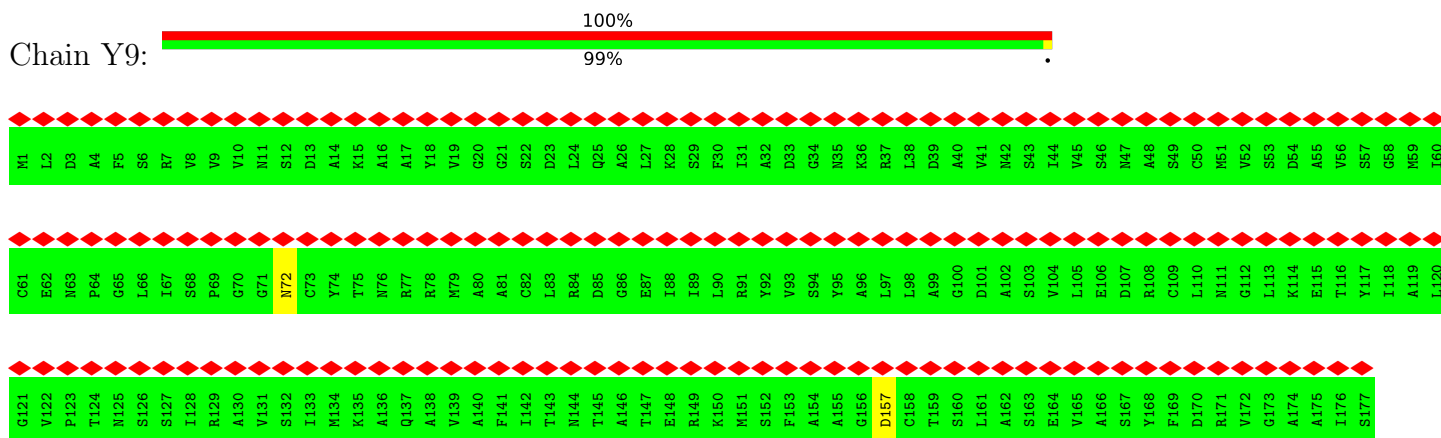
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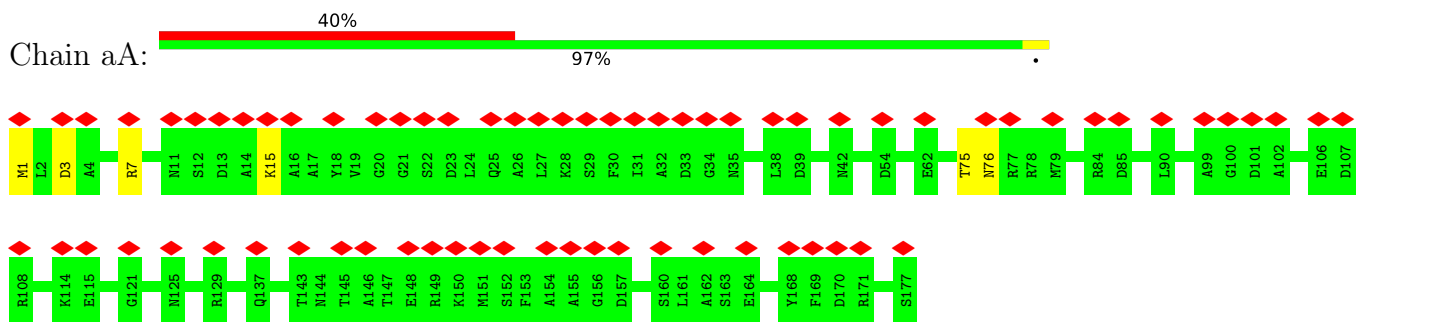
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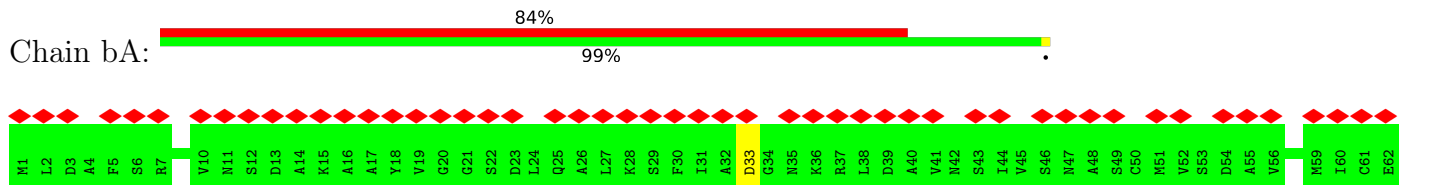
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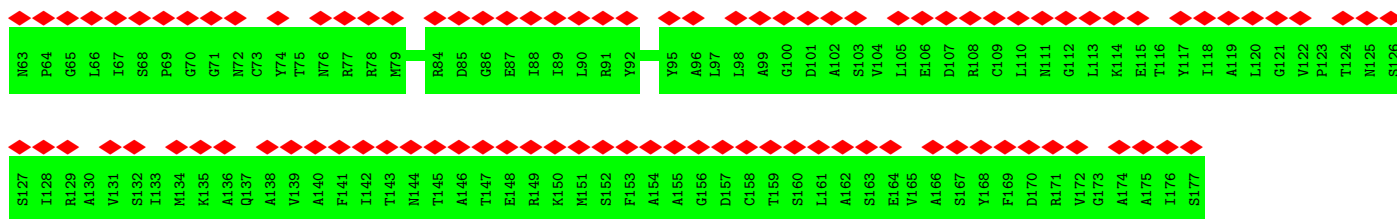


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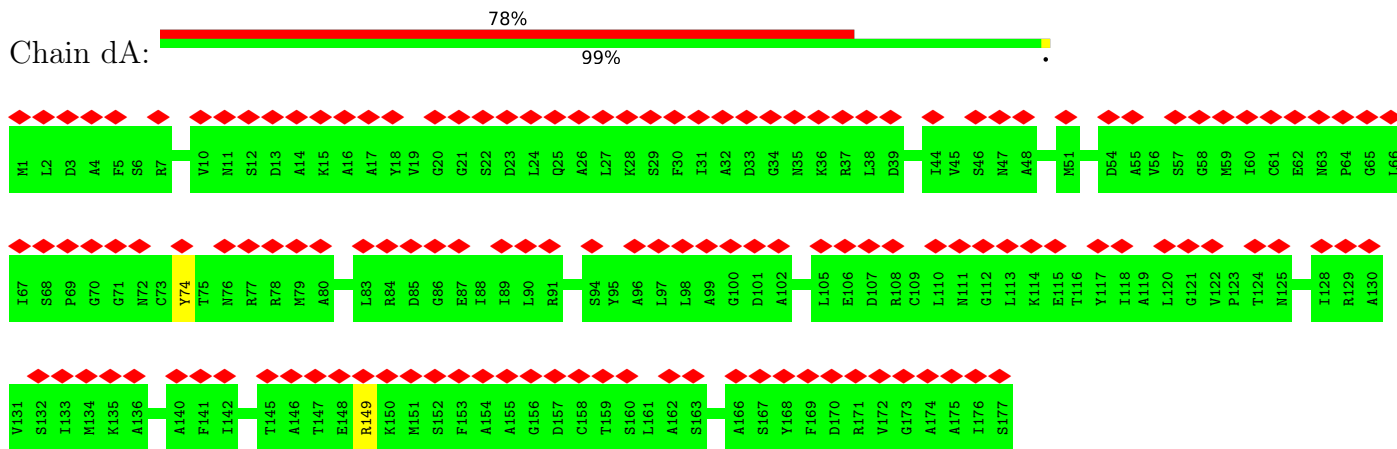


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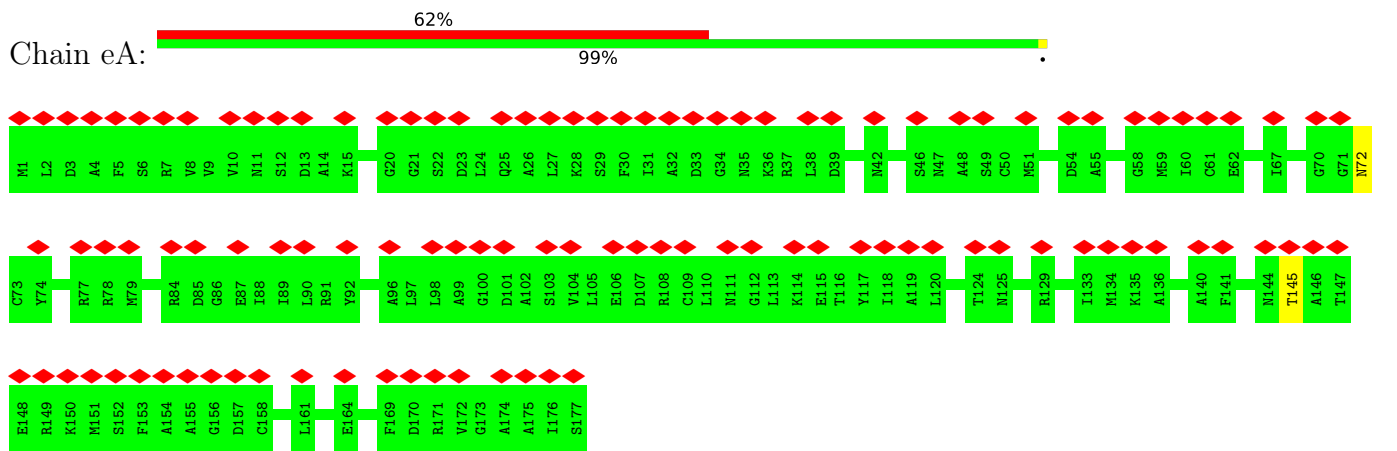




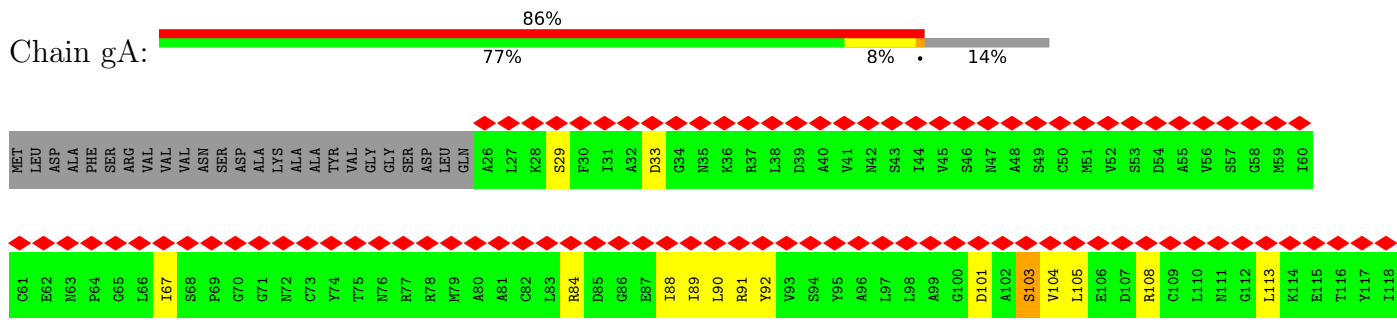
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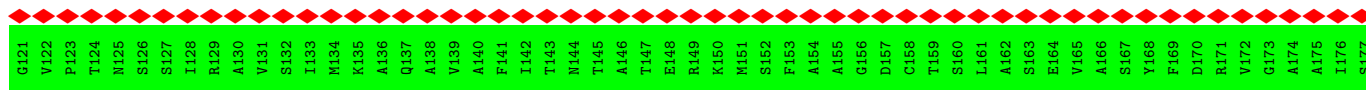


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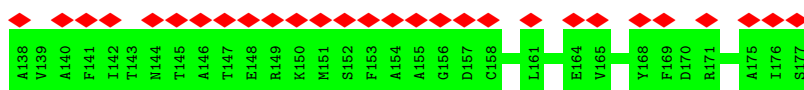
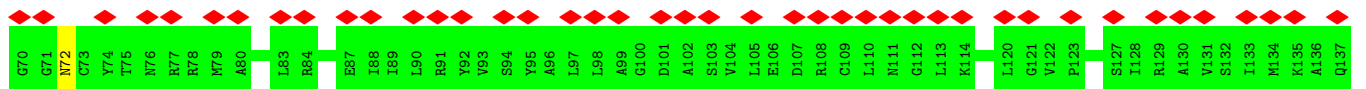
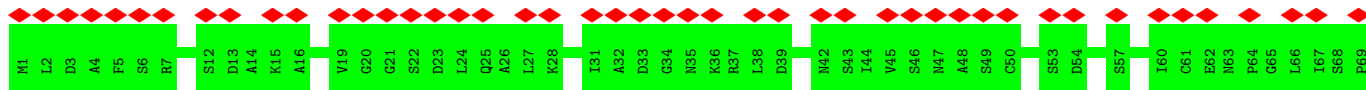


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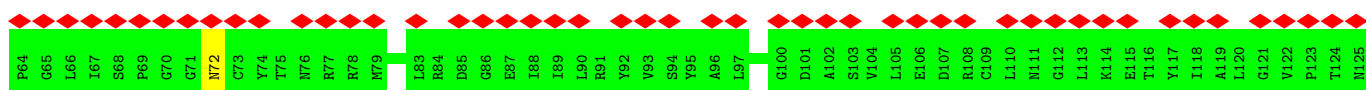
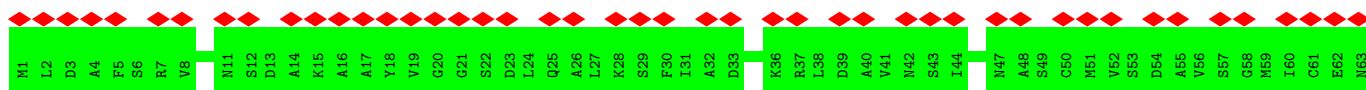
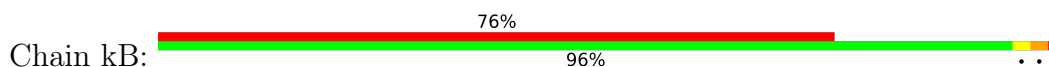




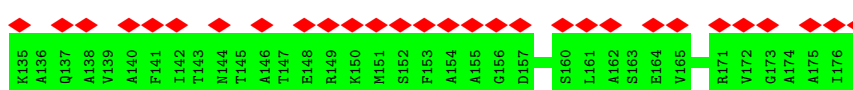
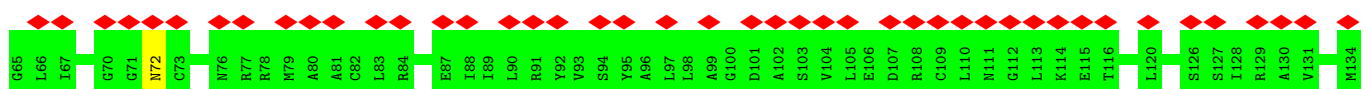
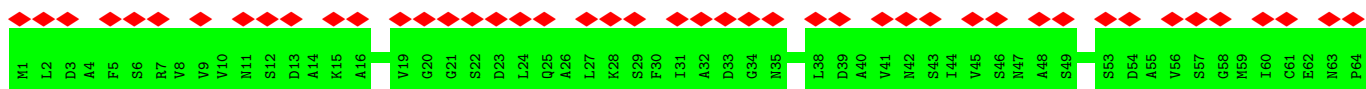
• Molecule 2: B-phycoerythrin beta chain



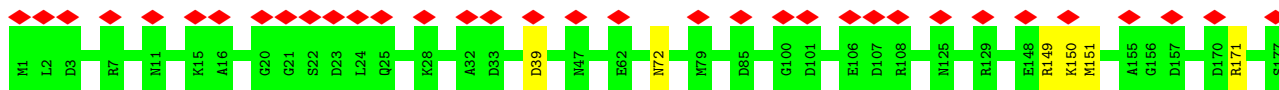
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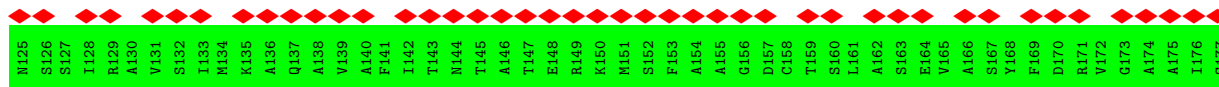
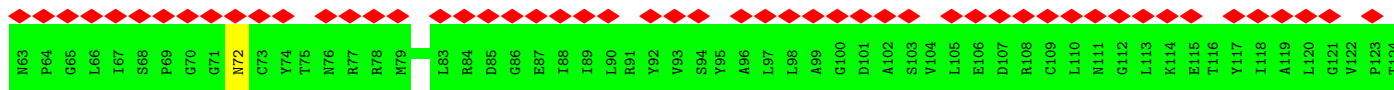
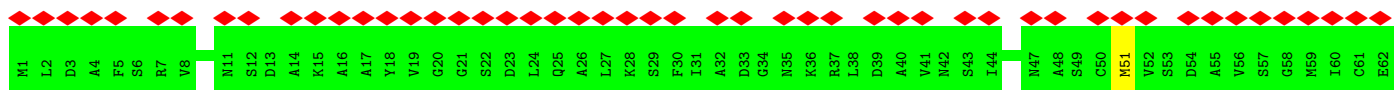
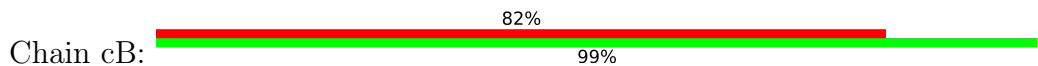
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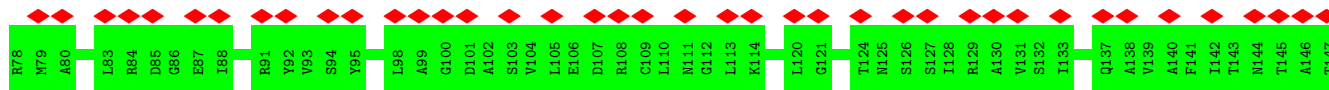
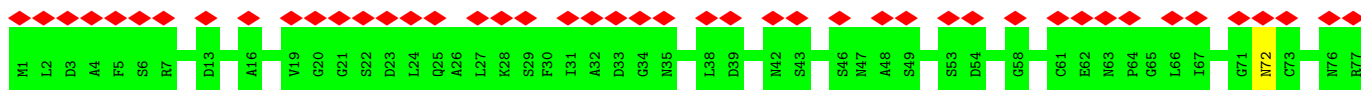
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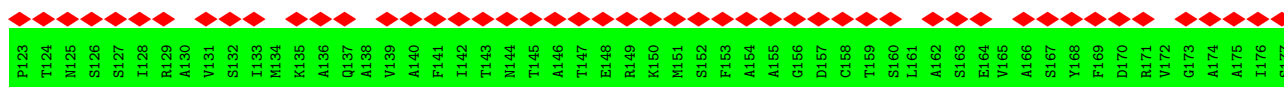
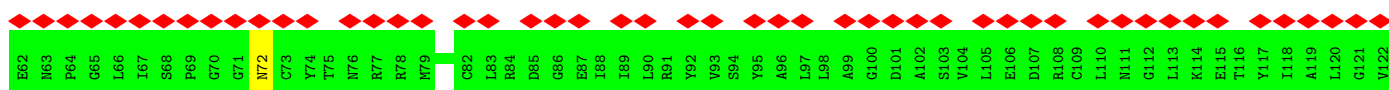
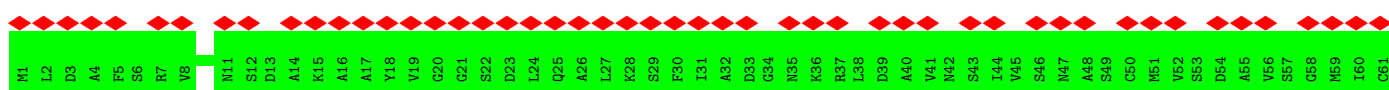
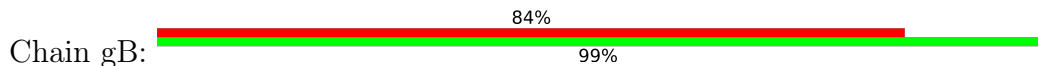
• Molecule 2: B-phycoerythrin beta chain



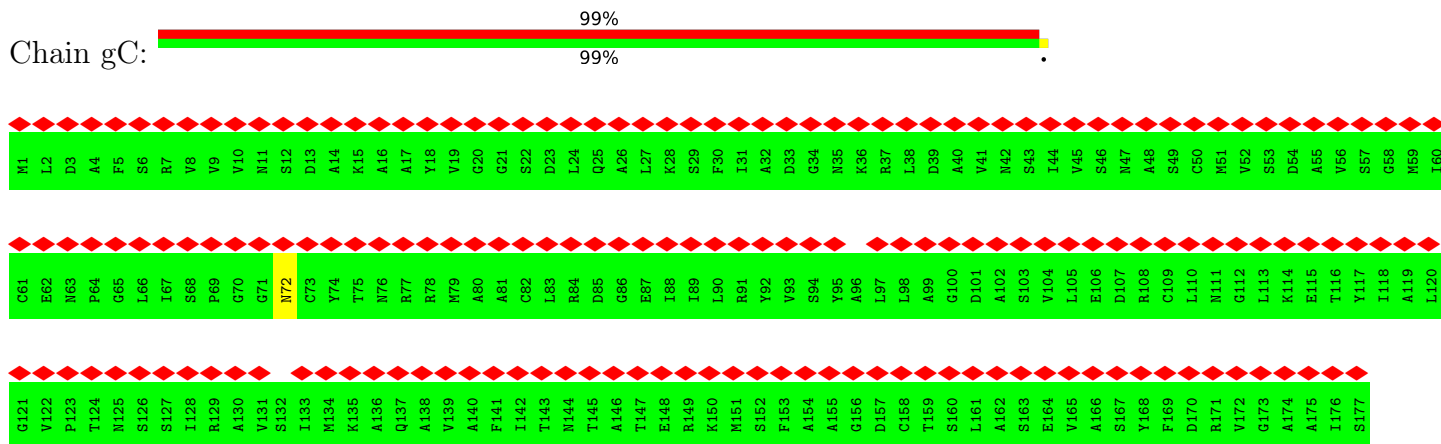
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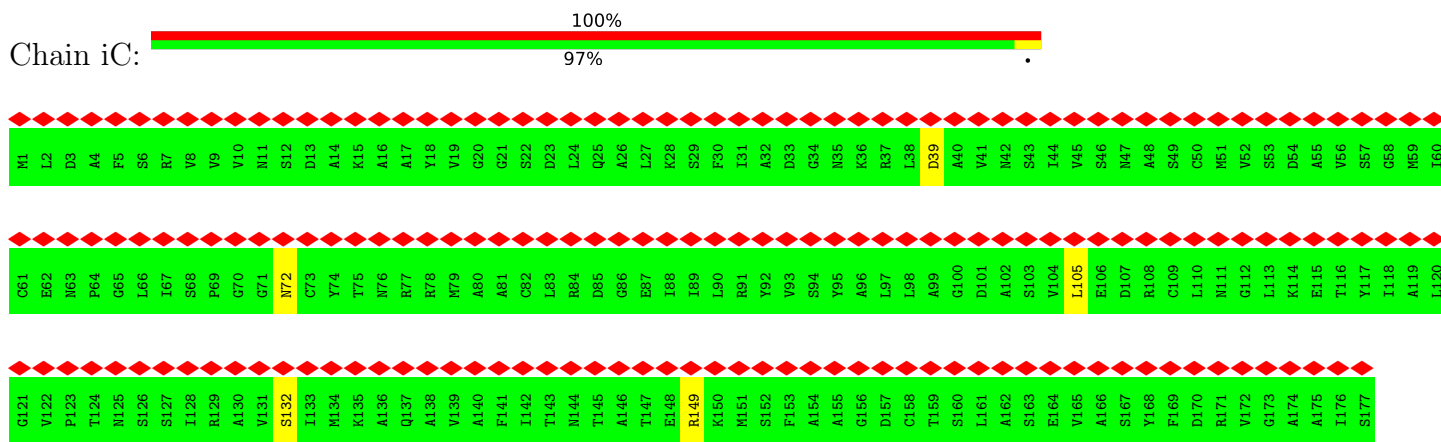
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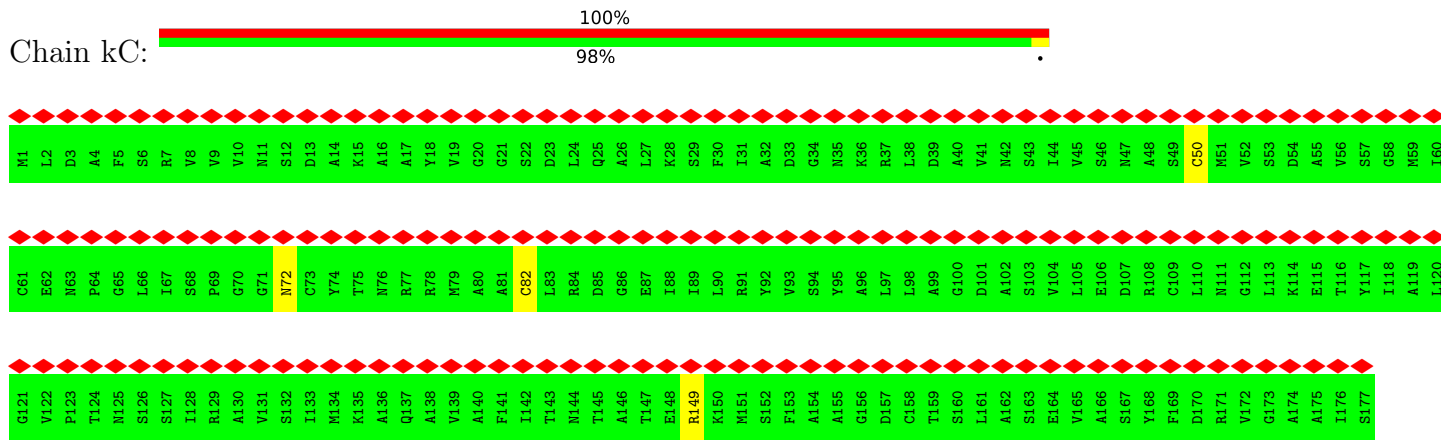
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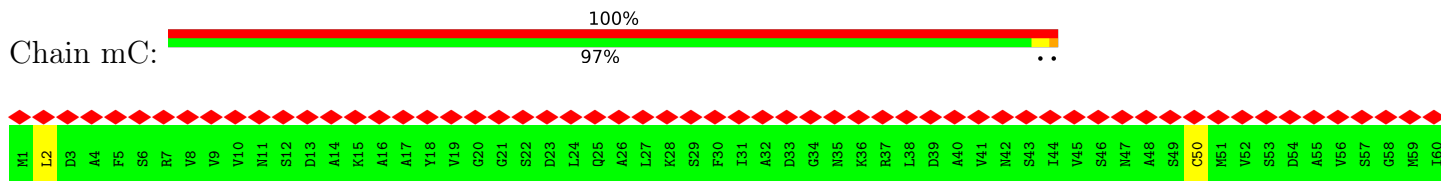
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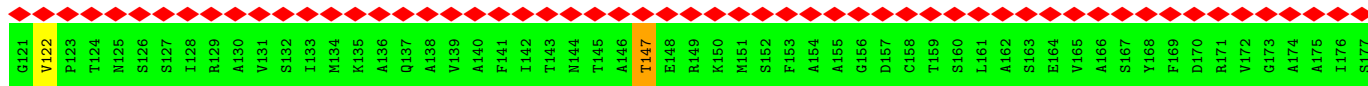
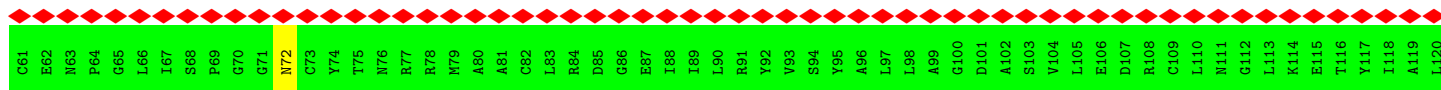


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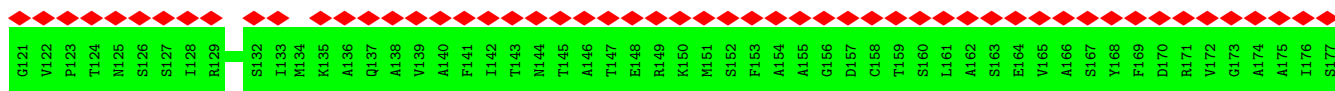
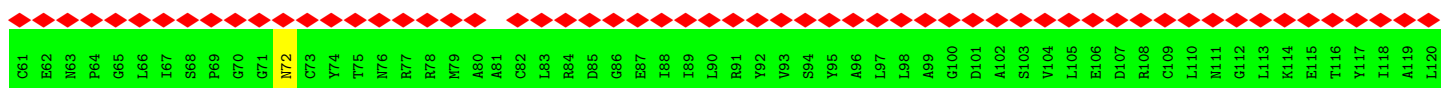
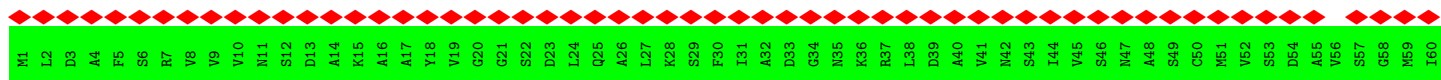


• Molecule 2: B-phycoerythrin beta chain

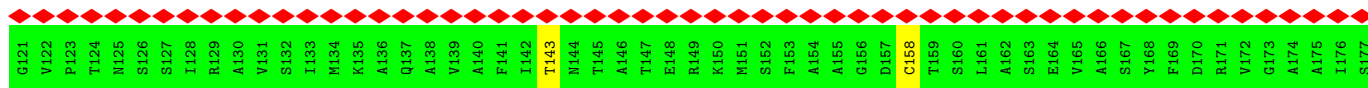
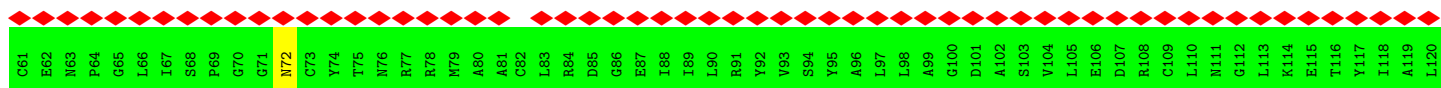




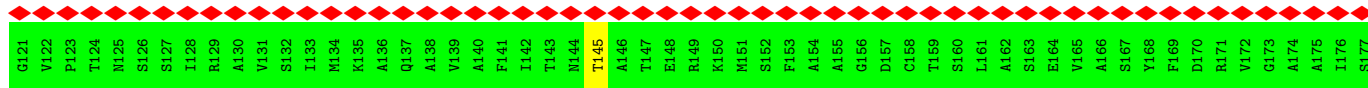
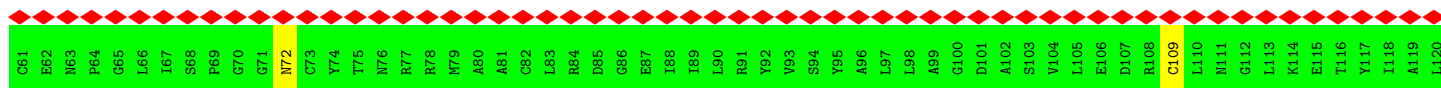
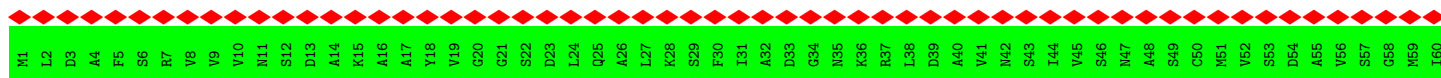
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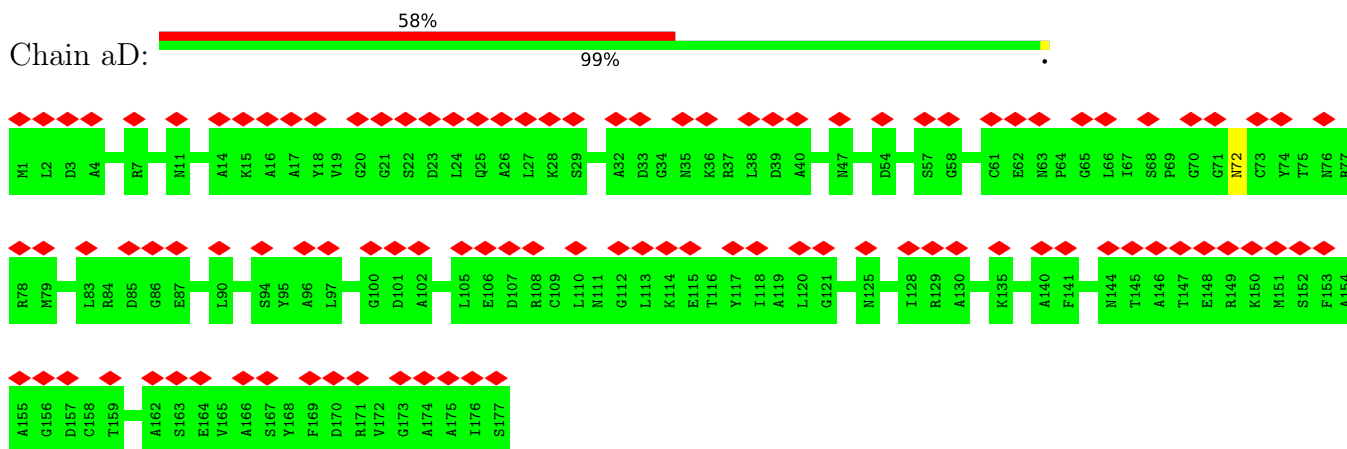
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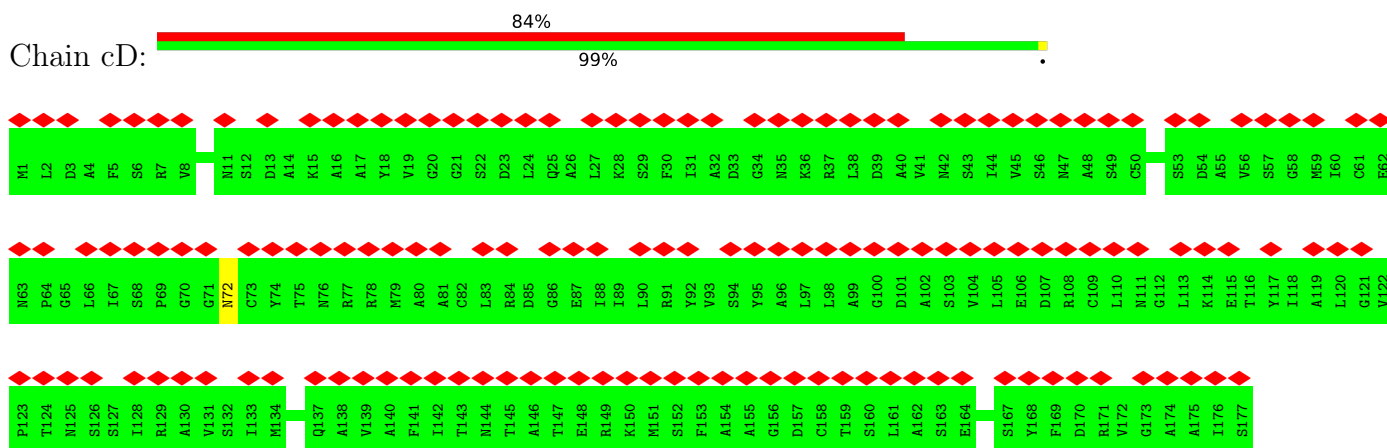
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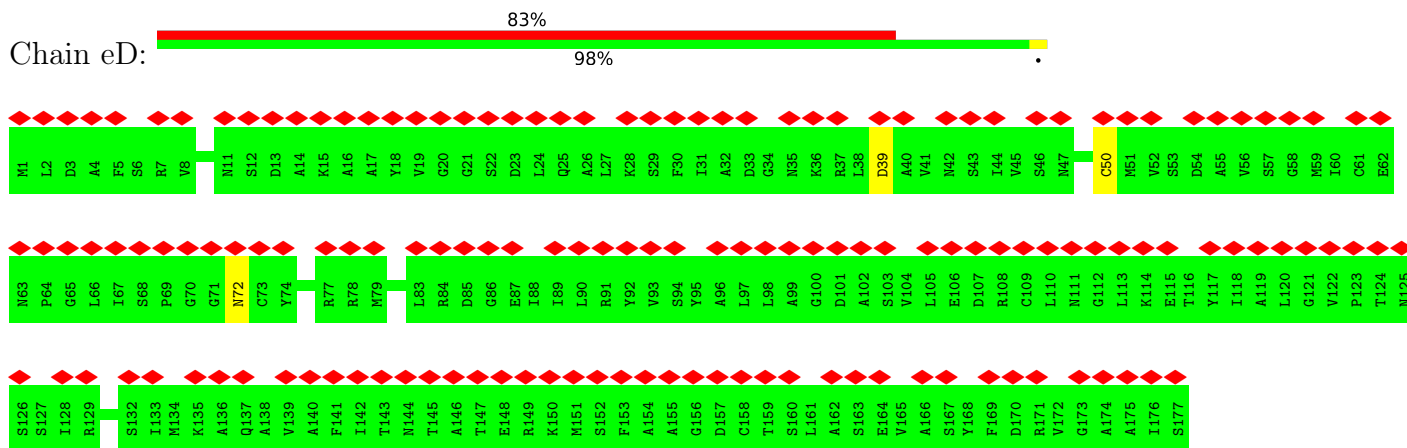
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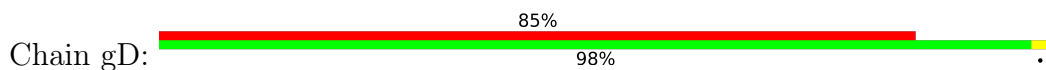
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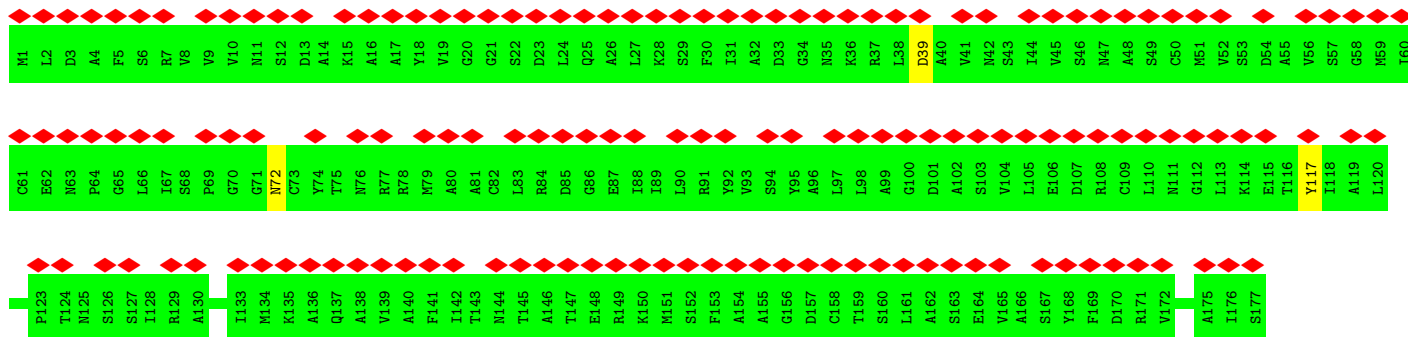


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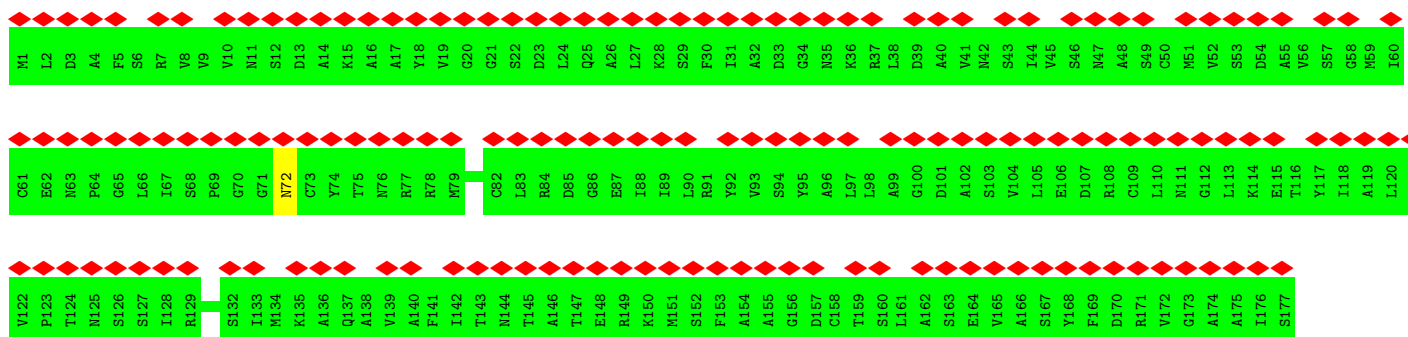
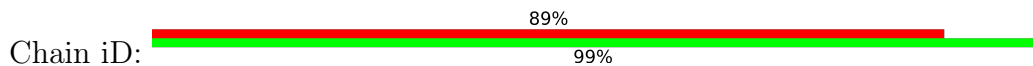


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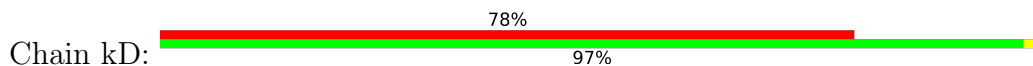




• Molecule 2: B-phycoerythrin beta chain



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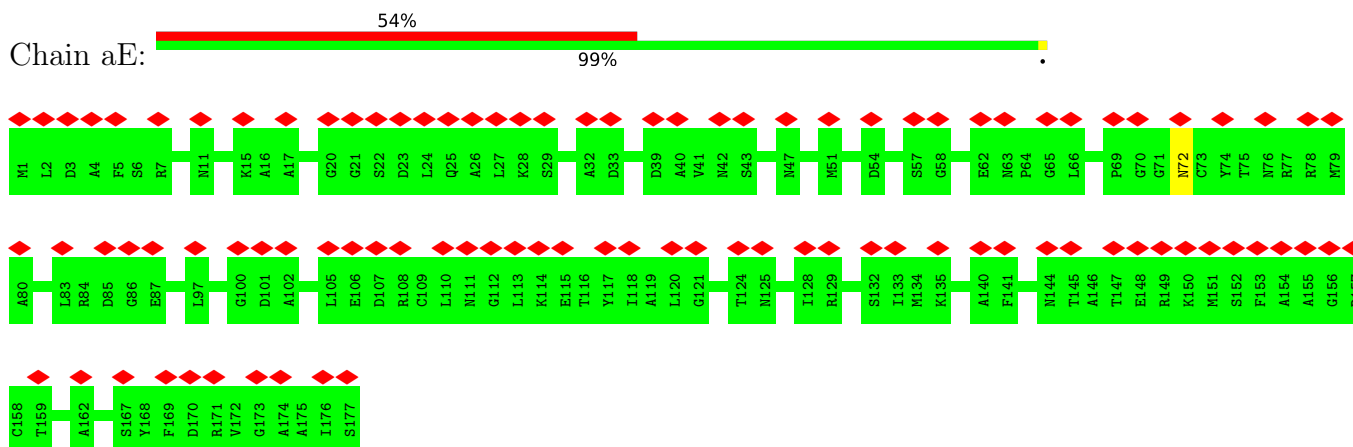


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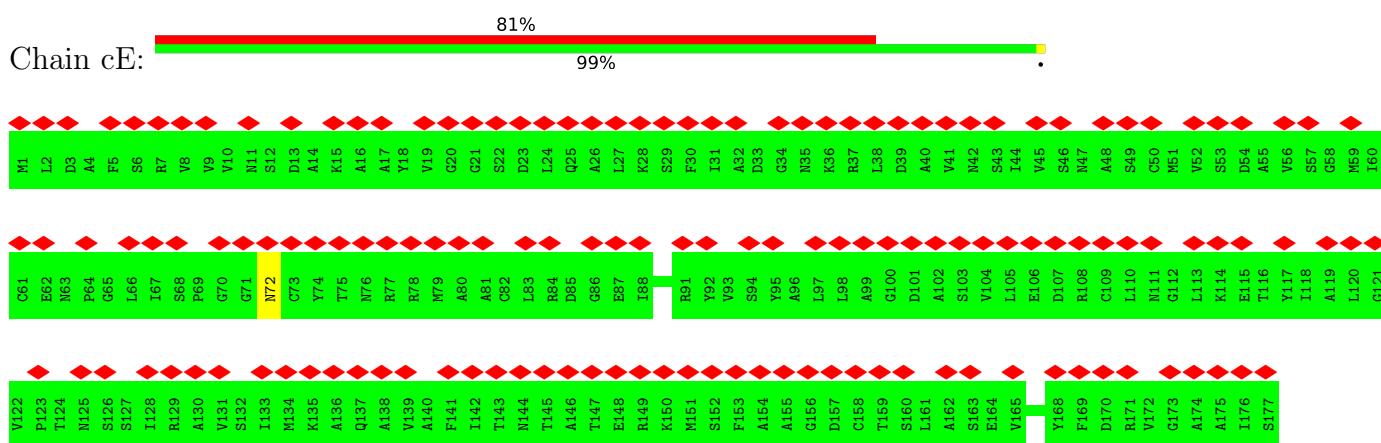




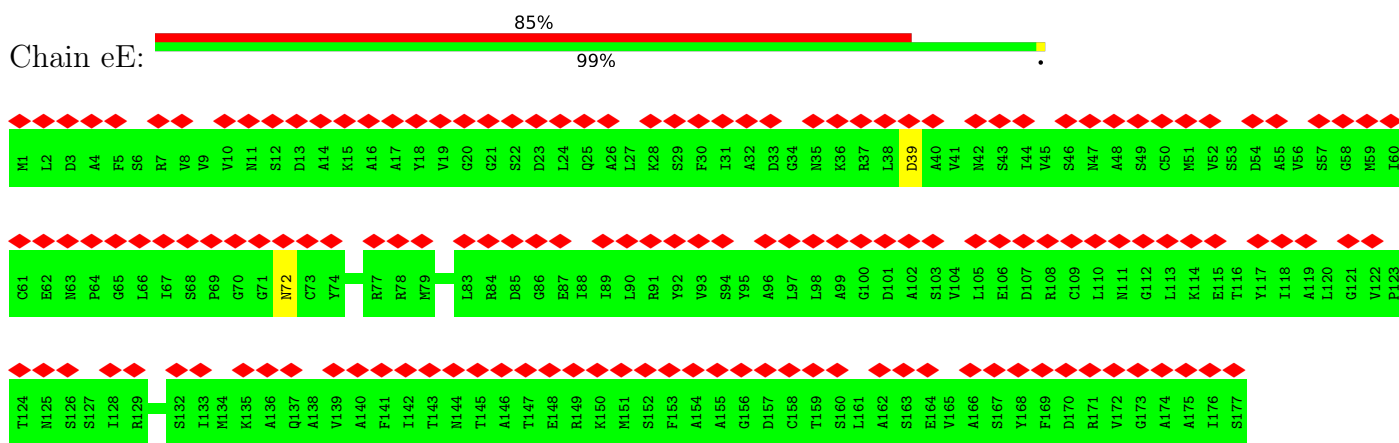
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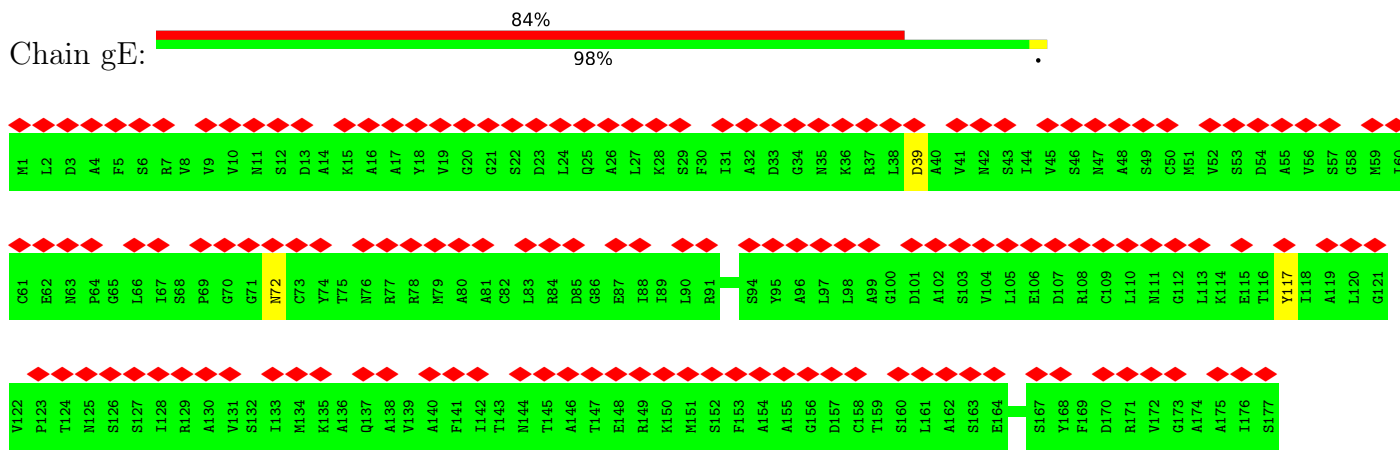
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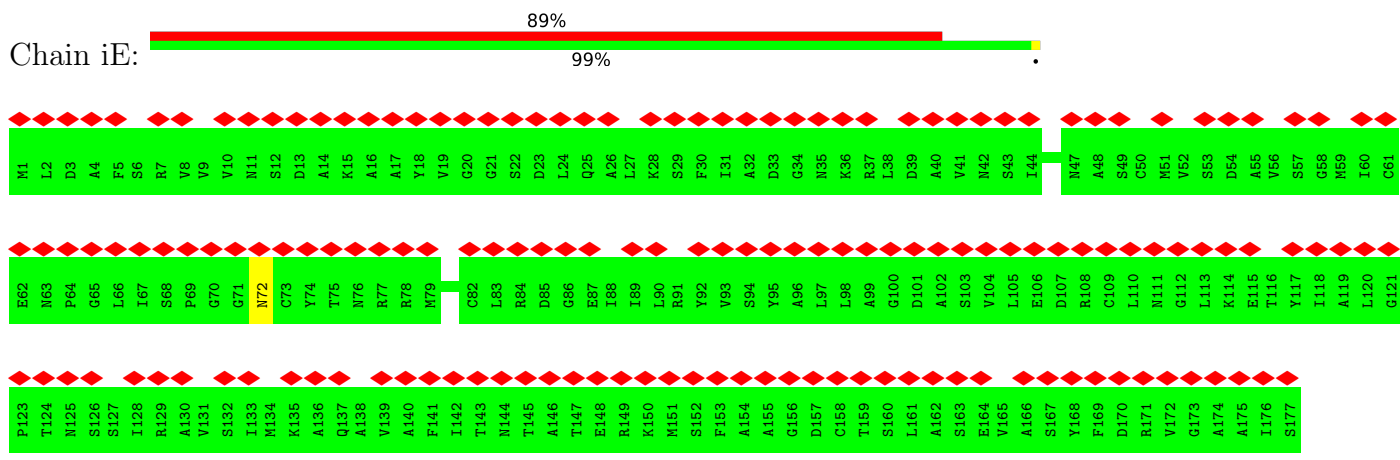
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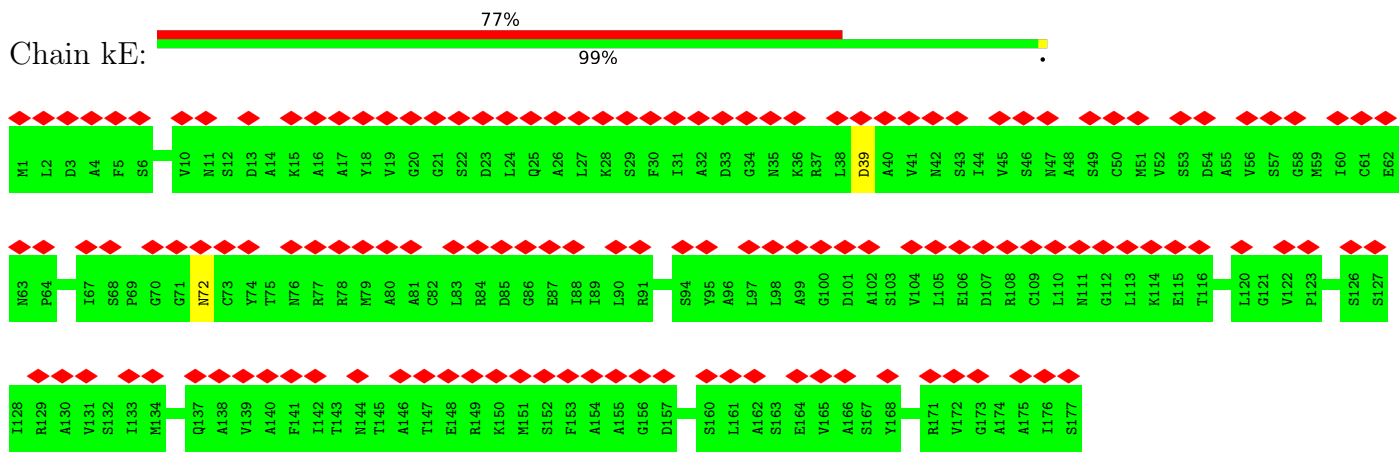
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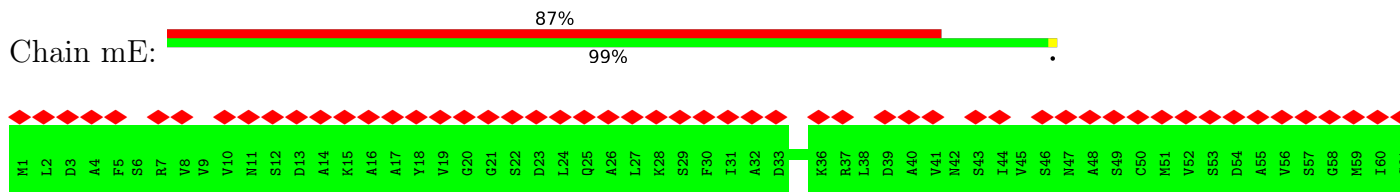
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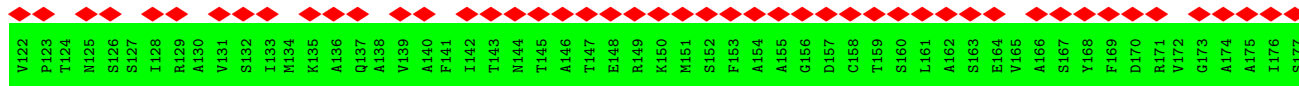
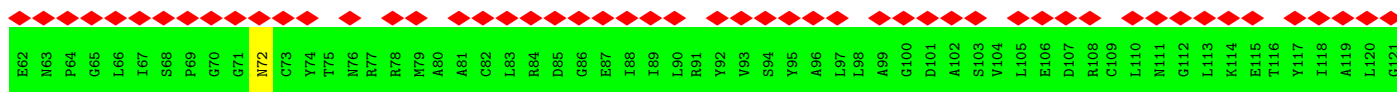


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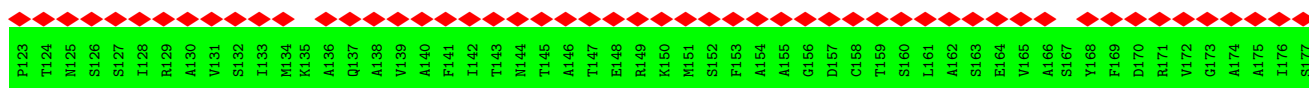
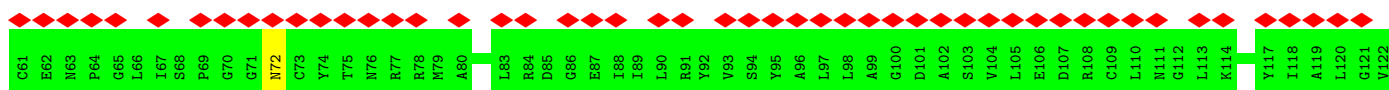
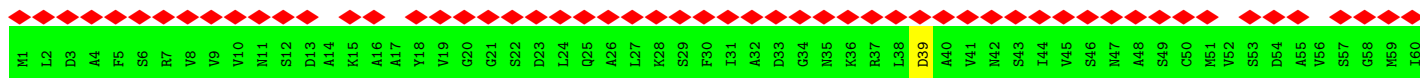


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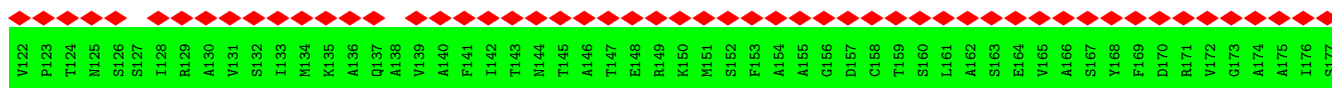




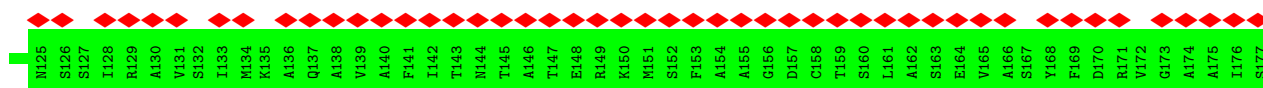
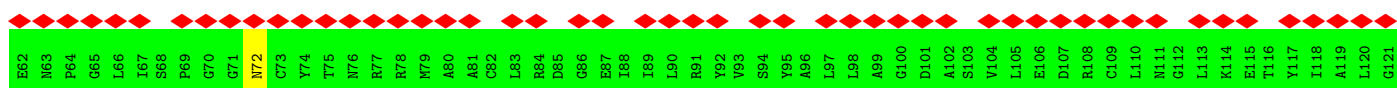
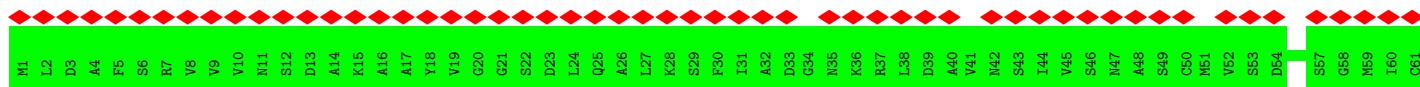
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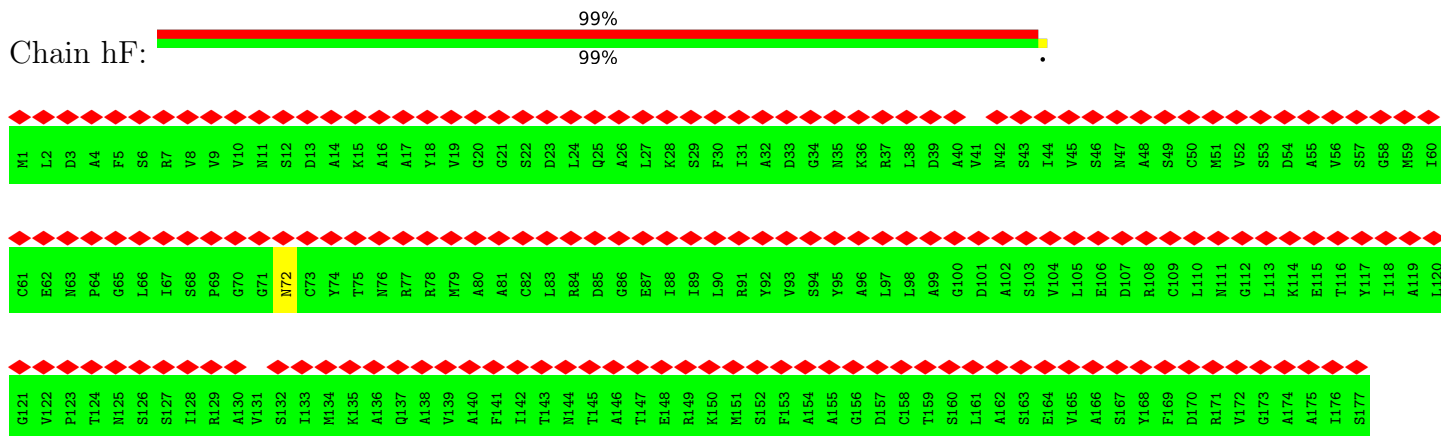
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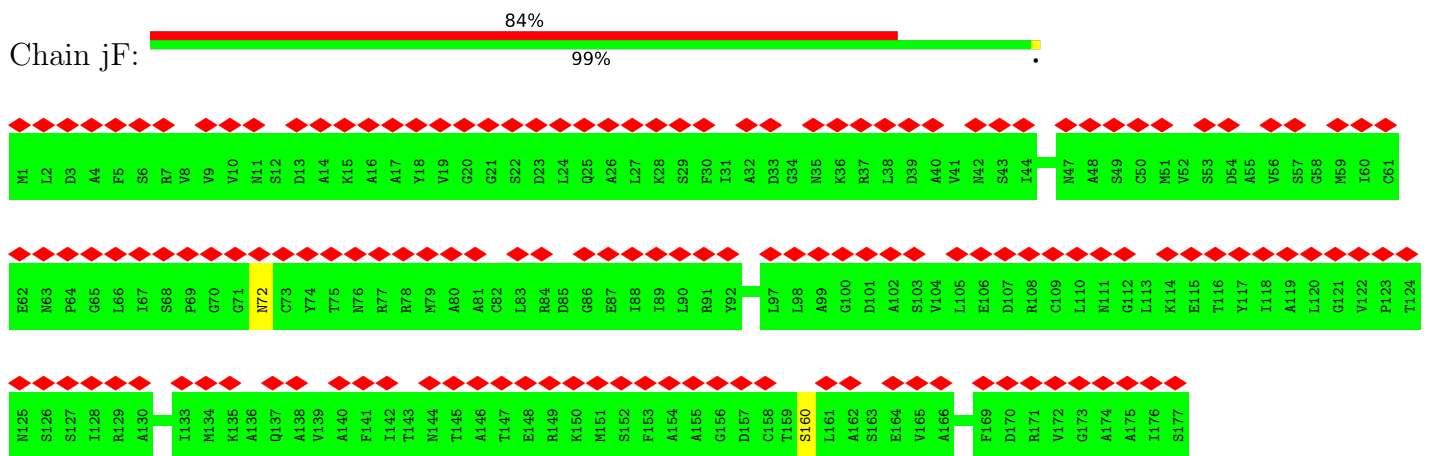
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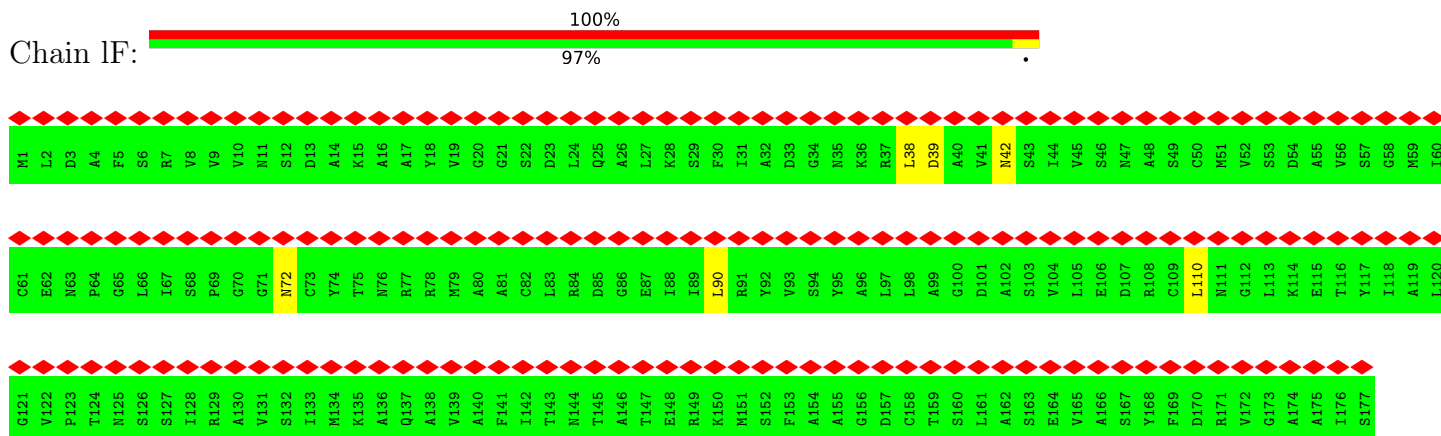
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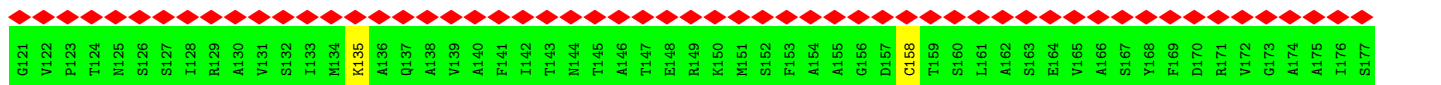
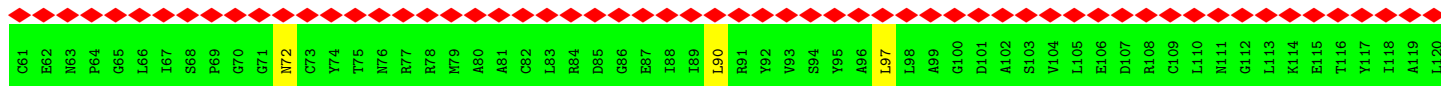
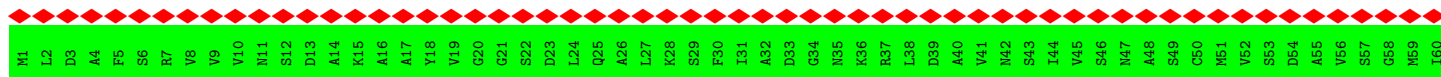


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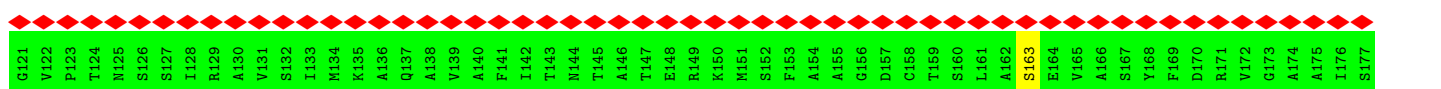


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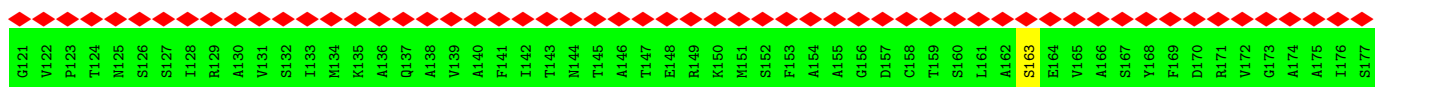
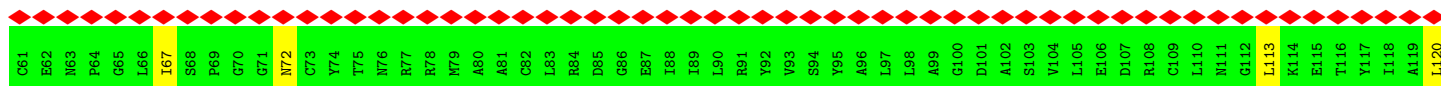




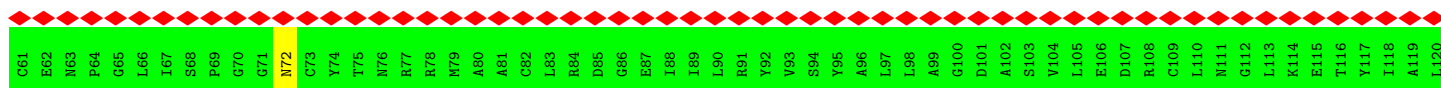
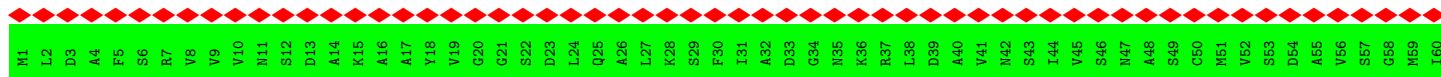
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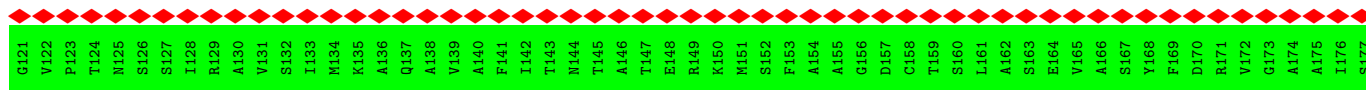


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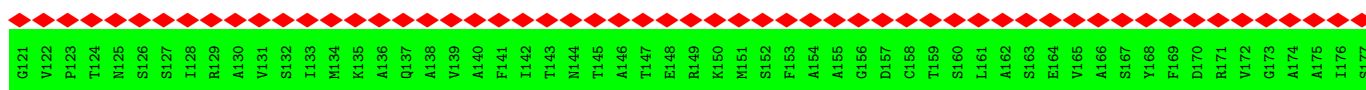
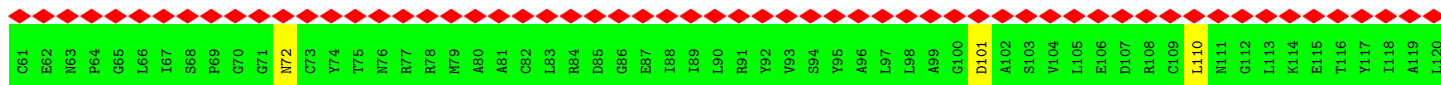


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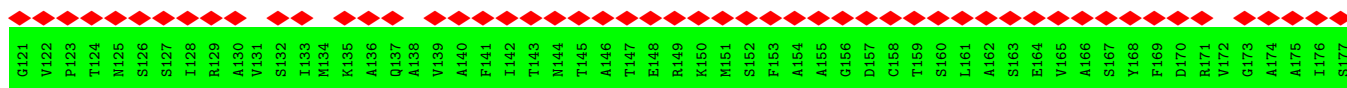
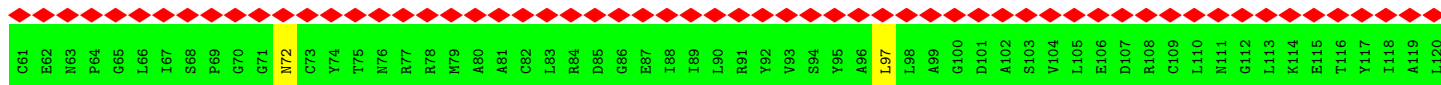
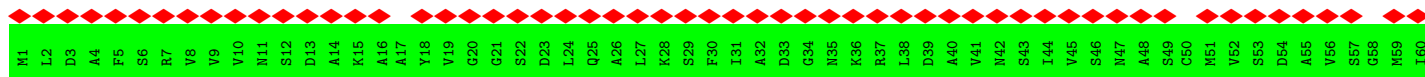




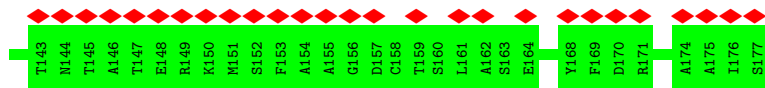
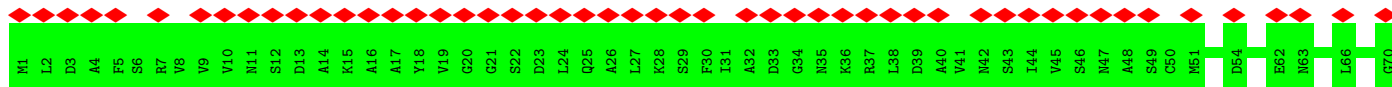
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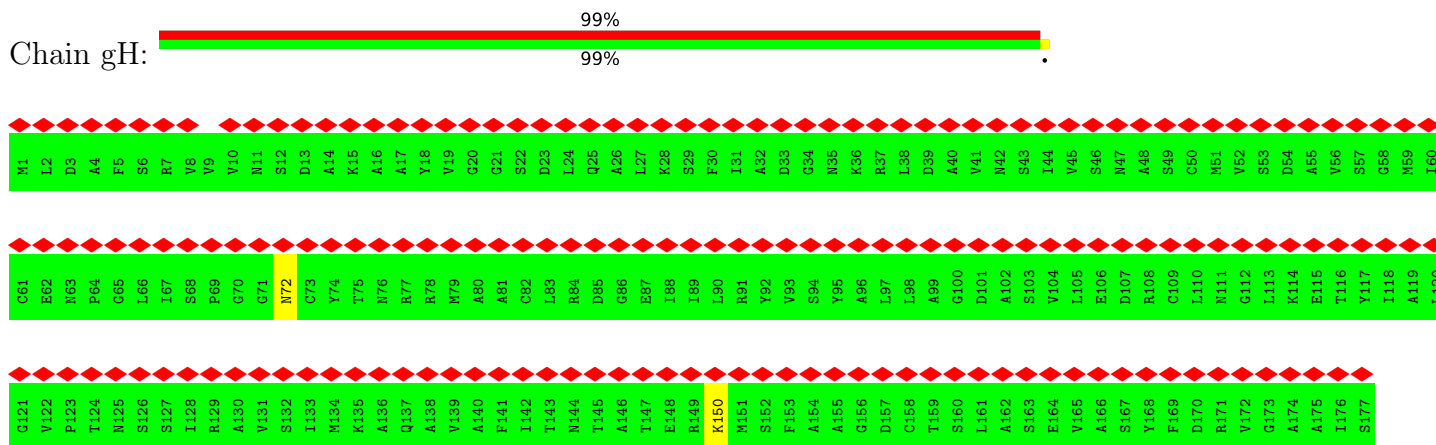
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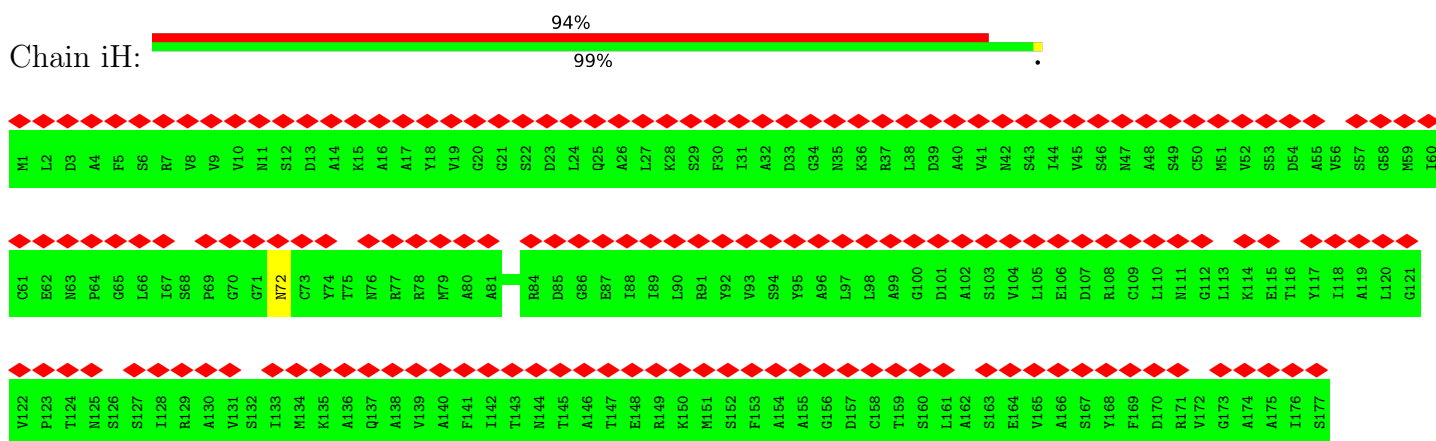
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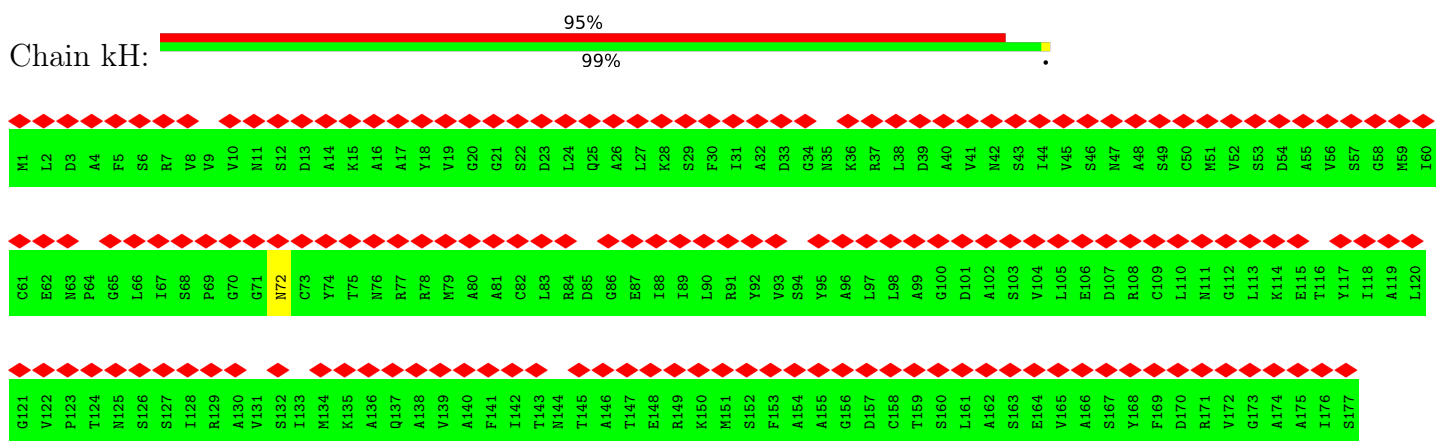
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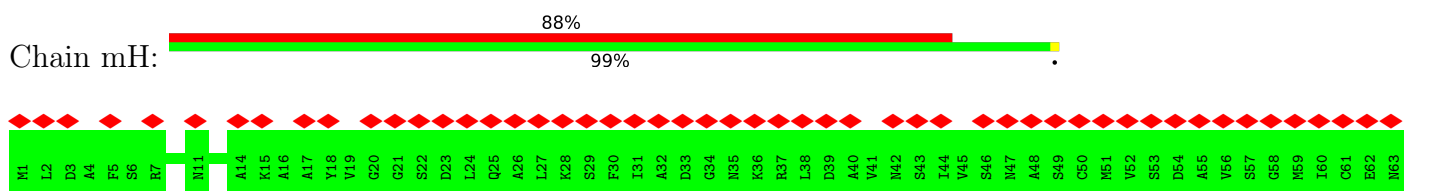
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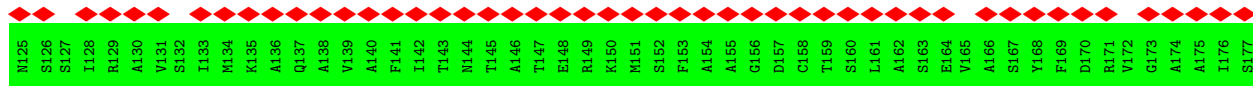
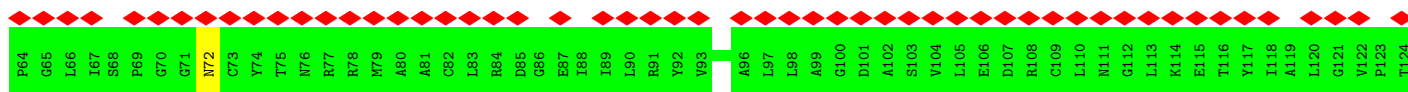


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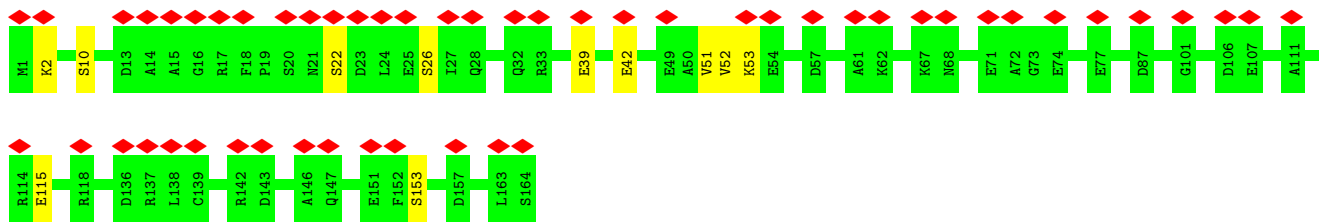


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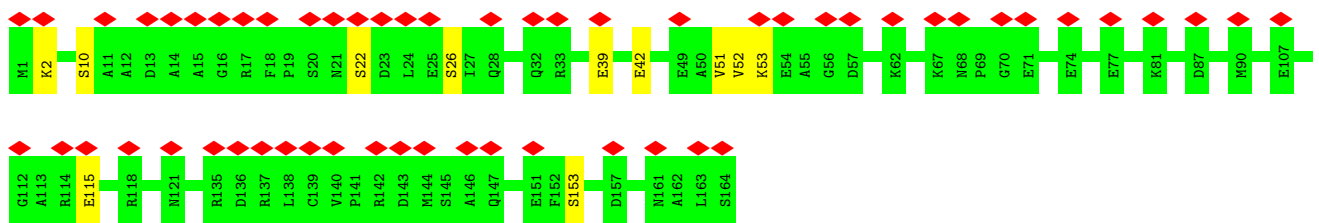




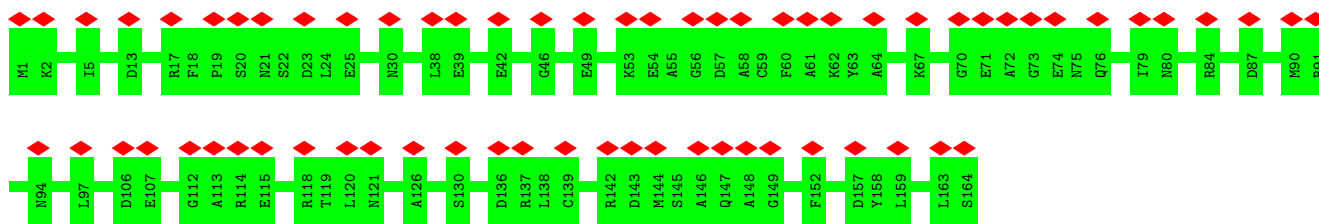
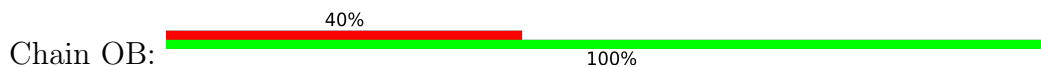
• Molecule 3: Phycoerythrin alpha subunit



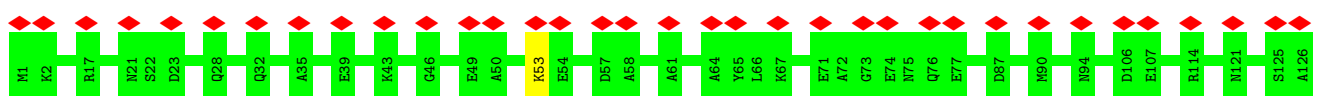
• Molecule 3: Phycoerythrin alpha subunit

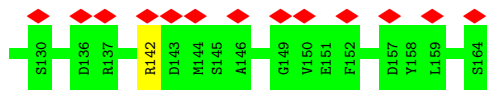


• Molecule 3: Phycoerythrin alpha subunit

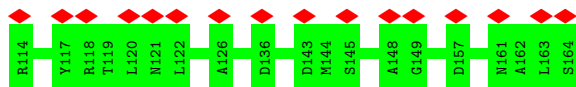
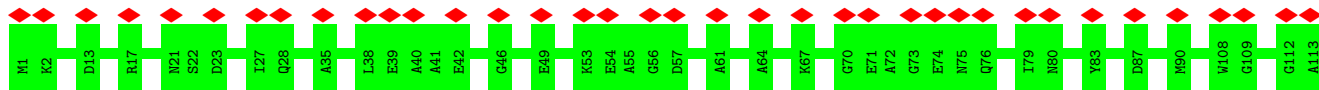


• Molecule 3: Phycoerythrin alpha subunit

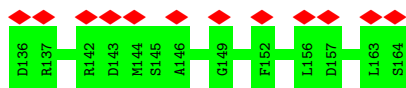
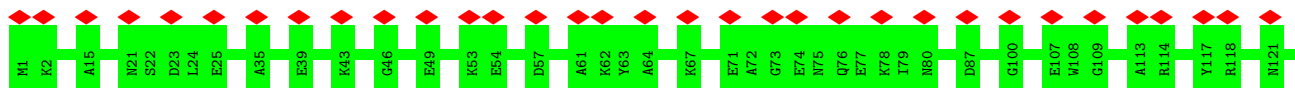




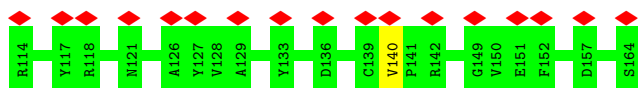
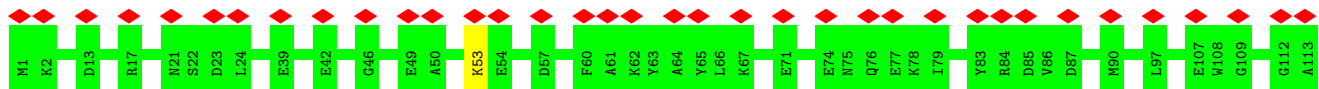
- Molecule 3: Phycoerythrin alpha subunit



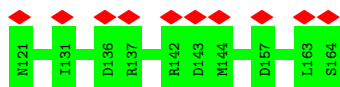
- Molecule 3: Phycoerythrin alpha subunit



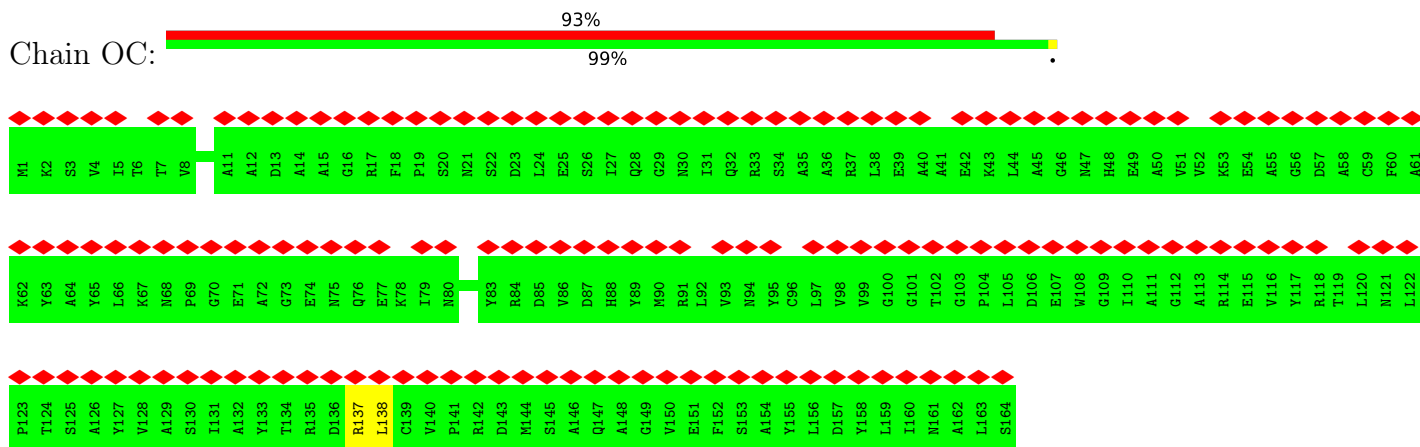
- Molecule 3: Phycoerythrin alpha subunit



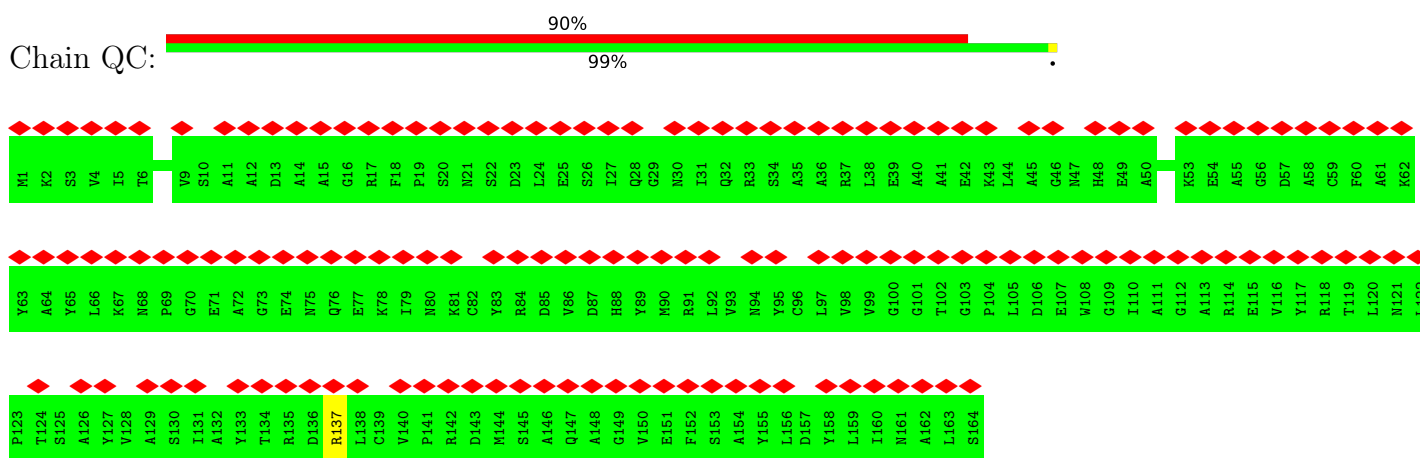
- Molecule 3: Phycoerythrin alpha subunit



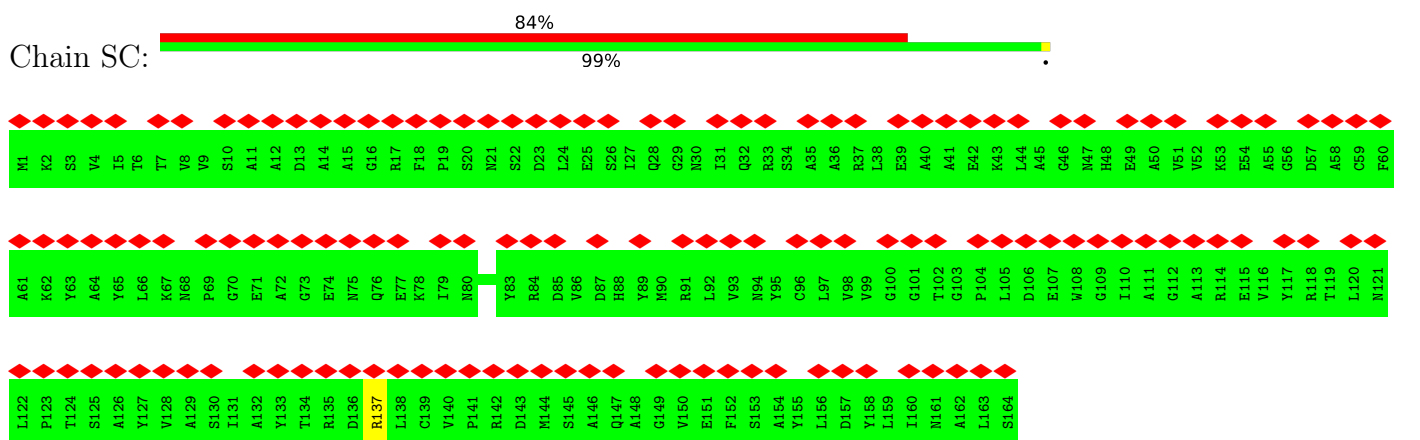
- Molecule 3: Phycoerythrin alpha subunit



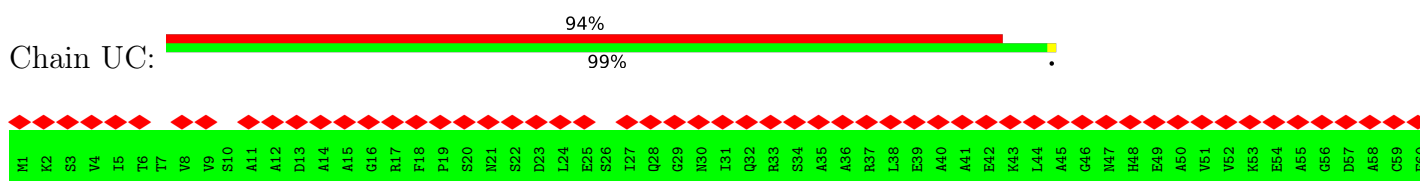
• Molecule 3: Phycoerythrin alpha subunit

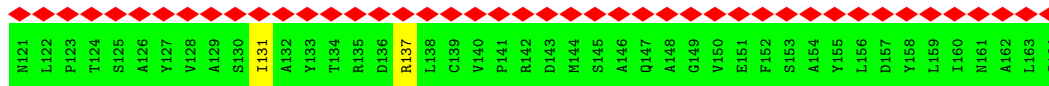
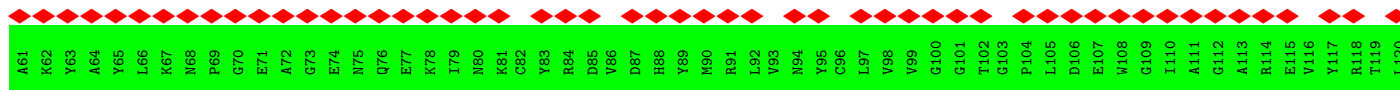


• Molecule 3: Phycoerythrin alpha subunit

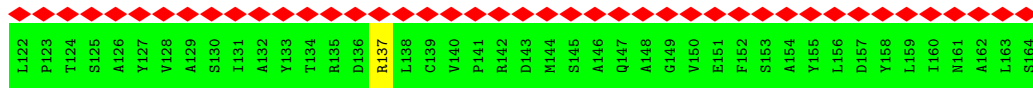
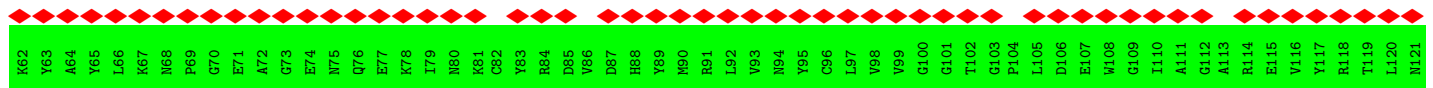
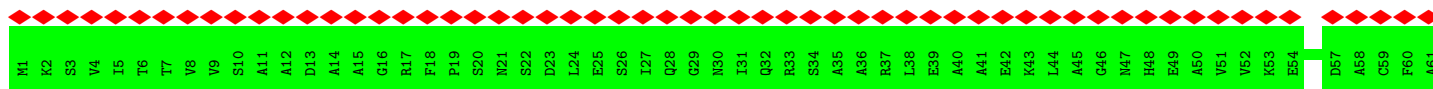


• Molecule 3: Phycoerythrin alpha subunit

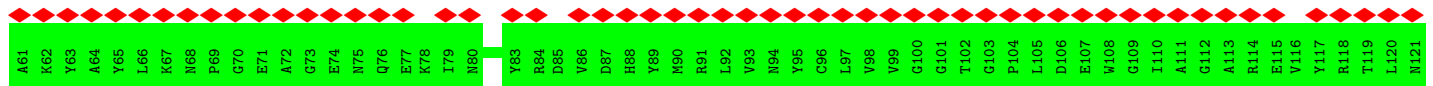
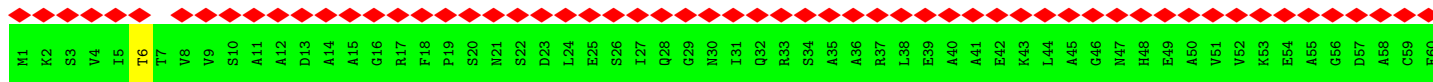




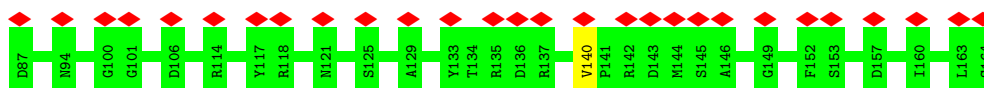
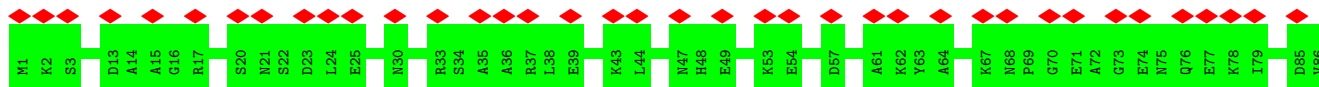
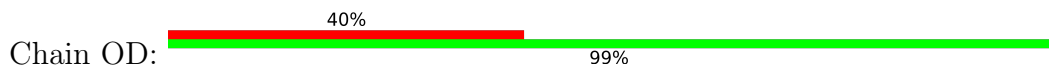
• Molecule 3: Phycoerythrin alpha subunit



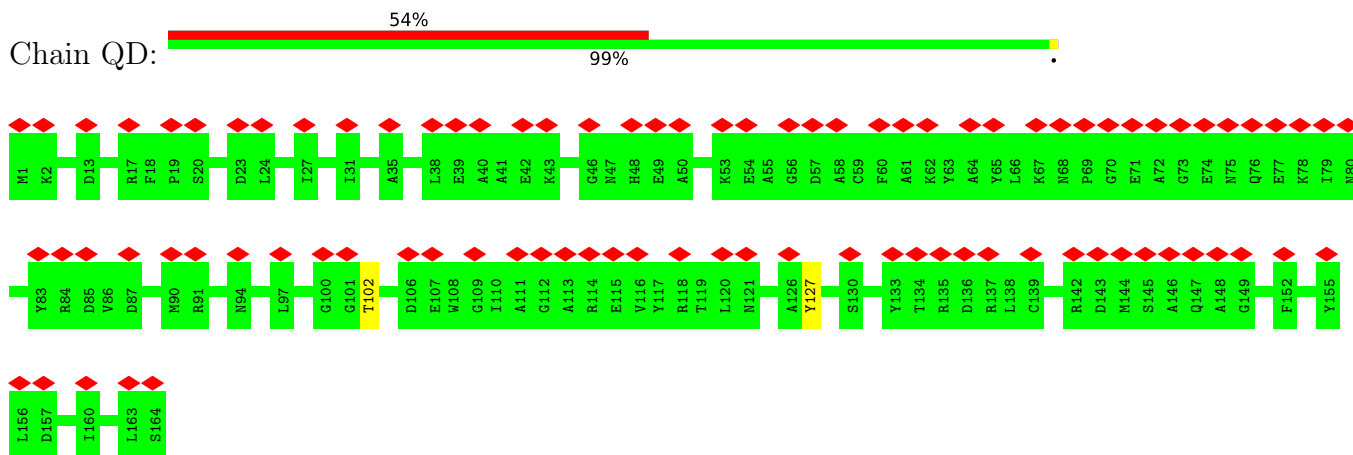
• Molecule 3: Phycoerythrin alpha subunit



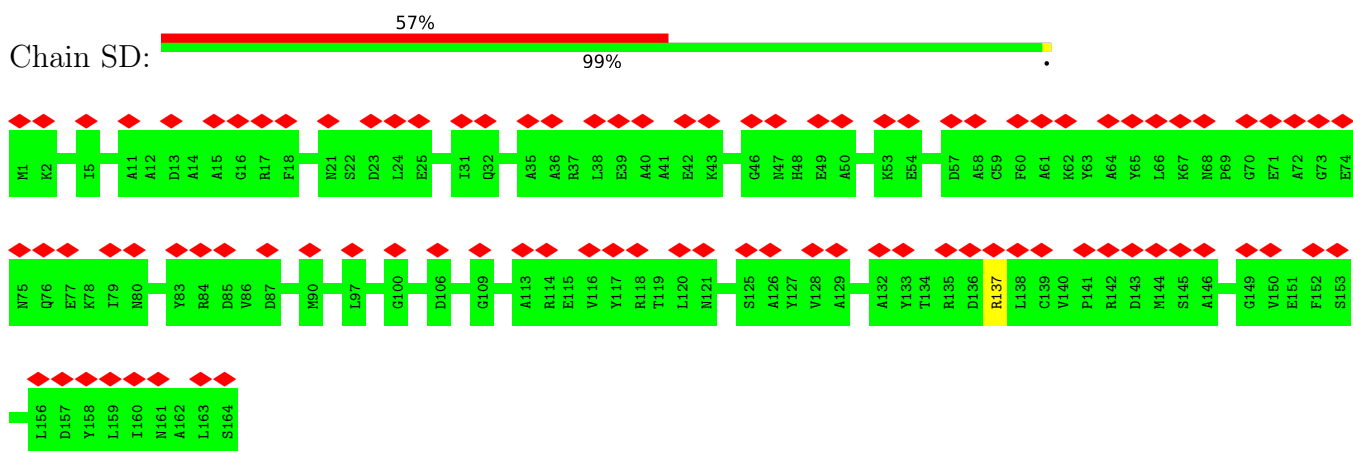
• Molecule 3: Phycoerythrin alpha subunit



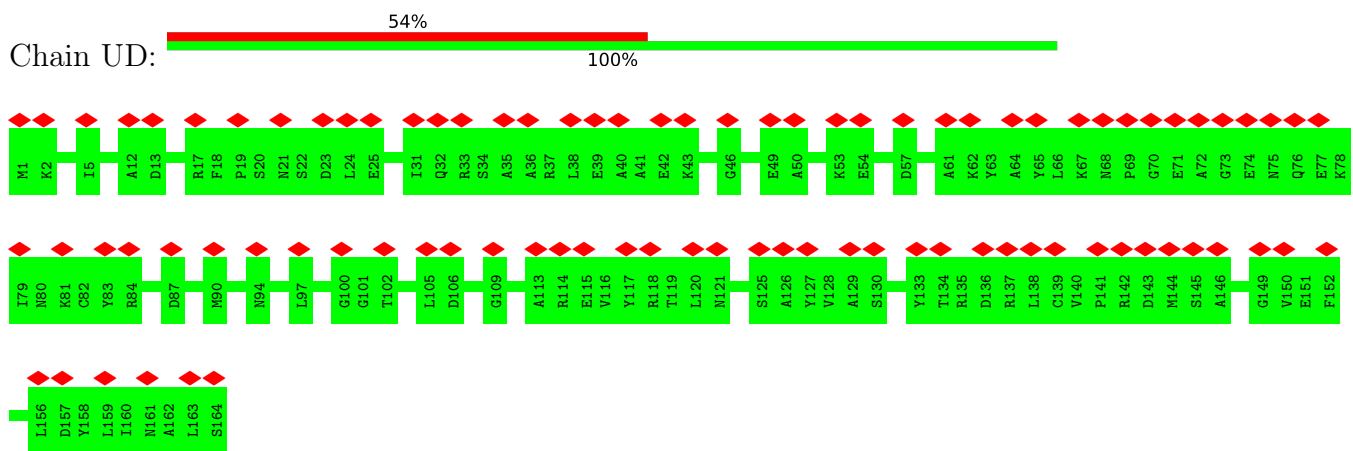
• Molecule 3: Phycoerythrin alpha subunit



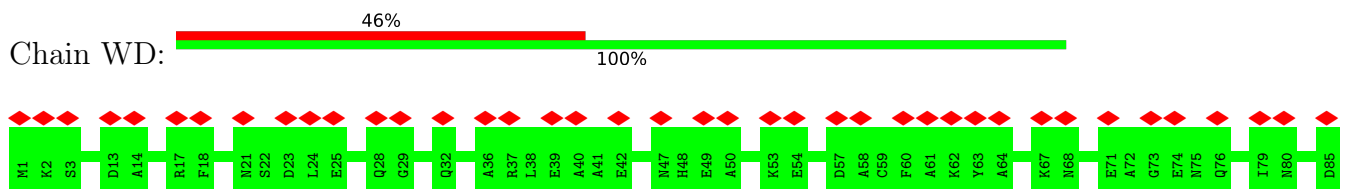
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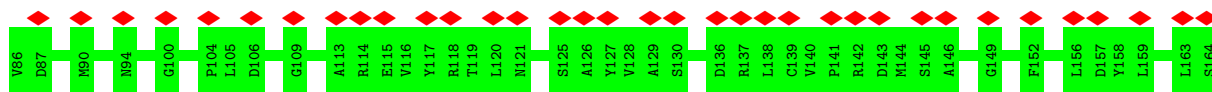


• Molecule 3: Phycoerythrin alpha subunit



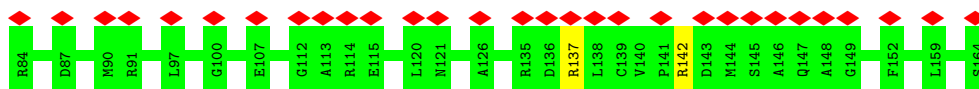
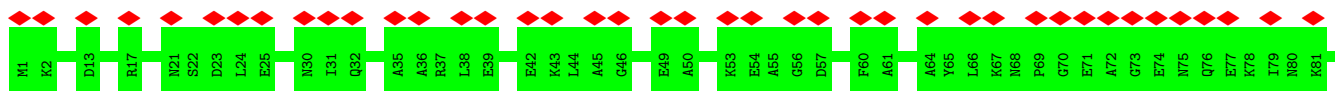
• Molecule 3: Phycoerythrin alpha subunit





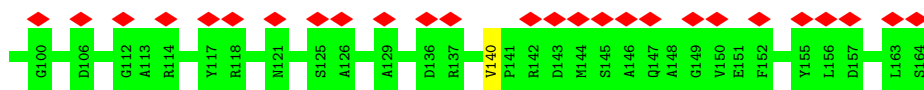
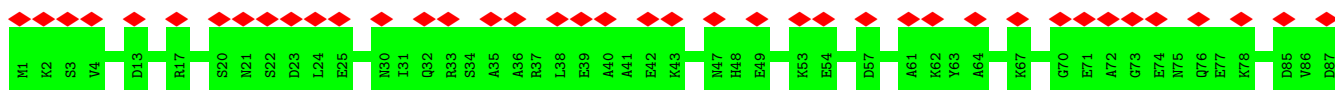
- Molecule 3: Phycoerythrin alpha subunit

Chain ZD: 43% 99%



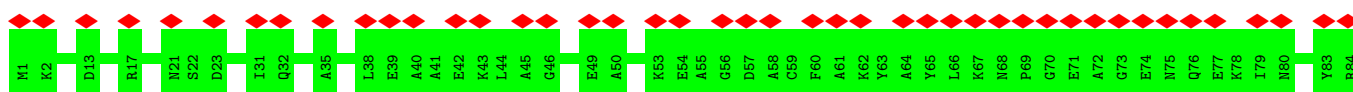
- Molecule 3: Phycoerythrin alpha subunit

Chain OE: 40% 99%



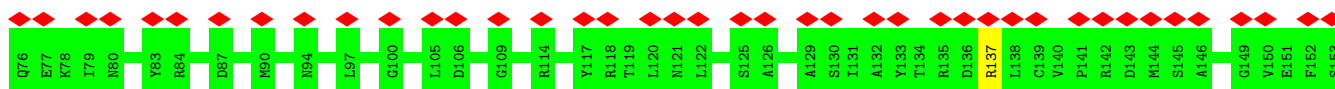
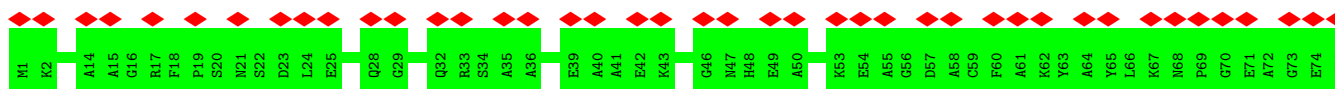
- Molecule 3: Phycoerythrin alpha subunit

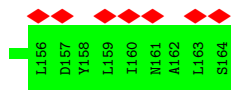
Chain QE: 46% 99%



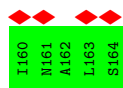
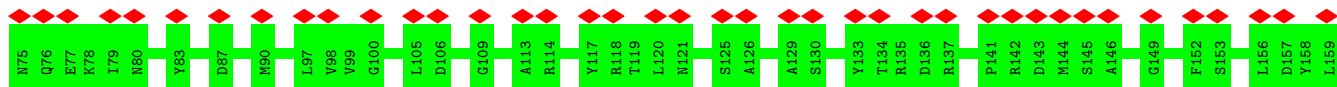
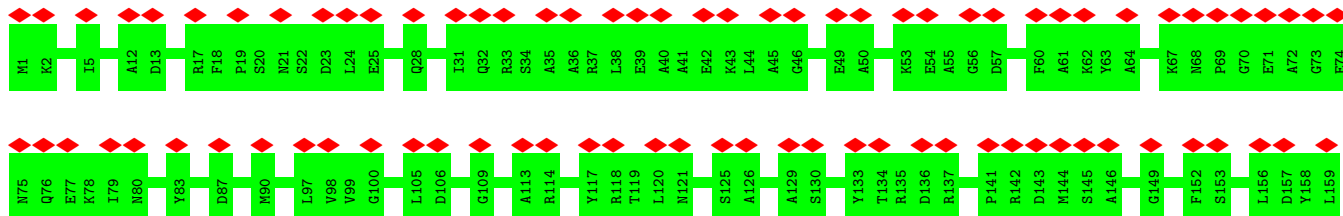
- Molecule 3: Phycoerythrin alpha subunit

Chain SE: 55% 99%

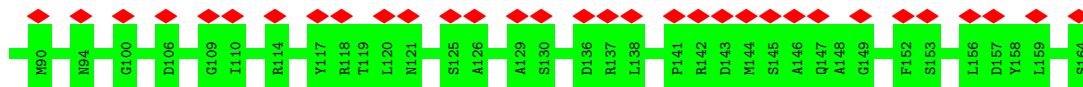
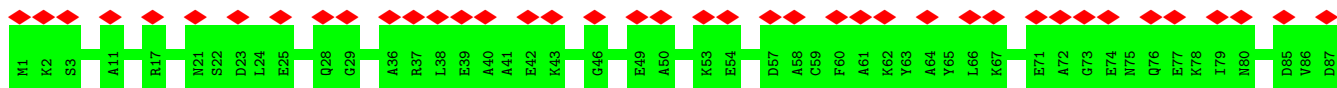




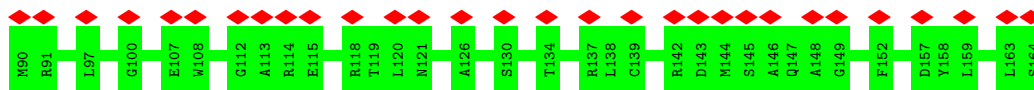
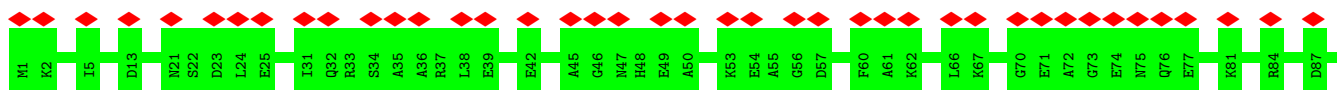
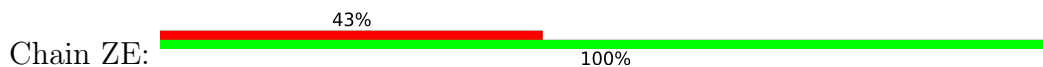
• Molecule 3: Phycoerythrin alpha subunit



• Molecule 3: Phycoerythrin alpha subunit

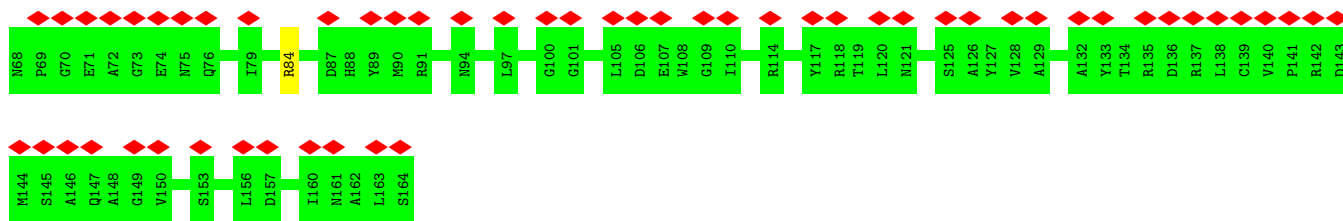


• Molecule 3: Phycoerythrin alpha subunit

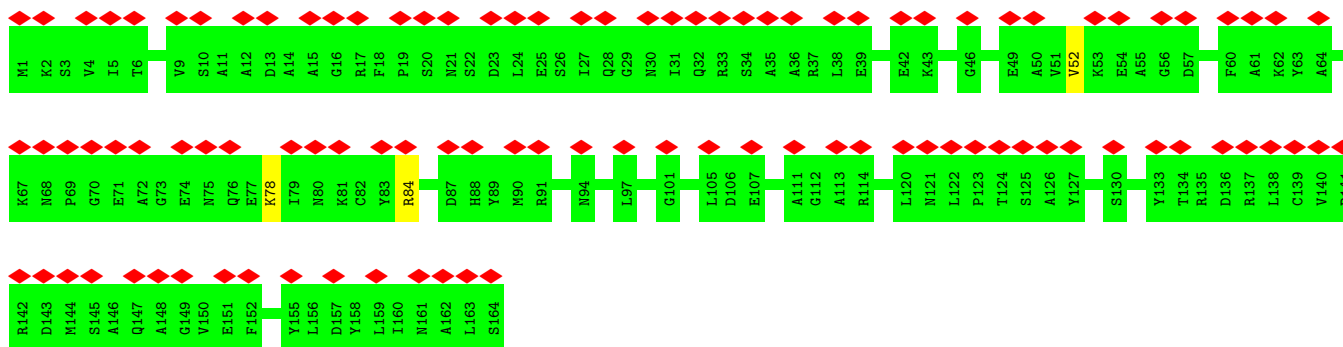


• Molecule 3: Phycoerythrin alpha subunit

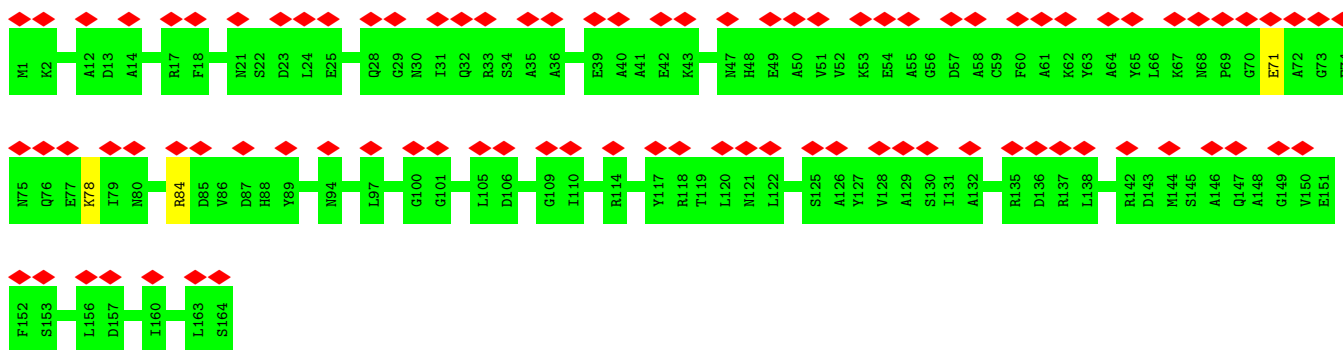




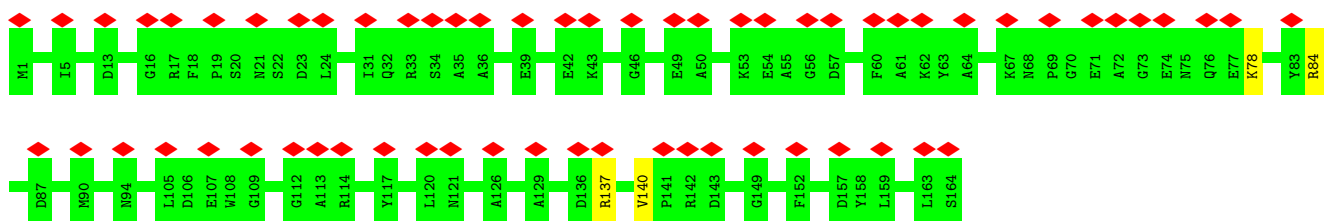
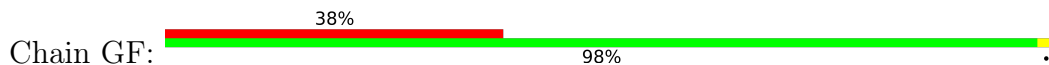
• Molecule 3: Phycoerythrin alpha subunit



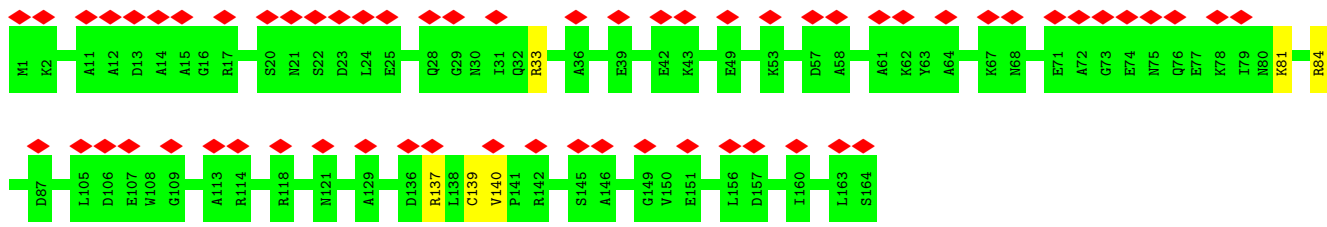
• Molecule 3: Phycoerythrin alpha subunit



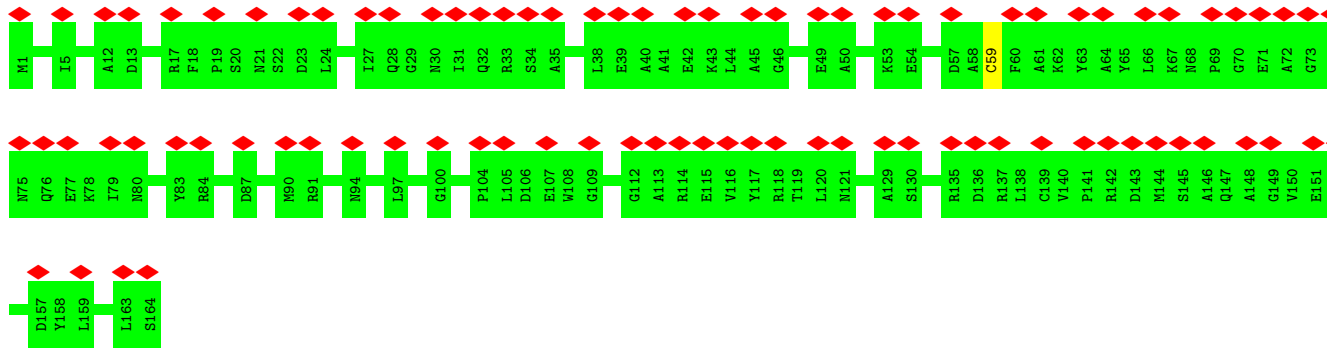
• Molecule 3: Phycoerythrin alpha subunit



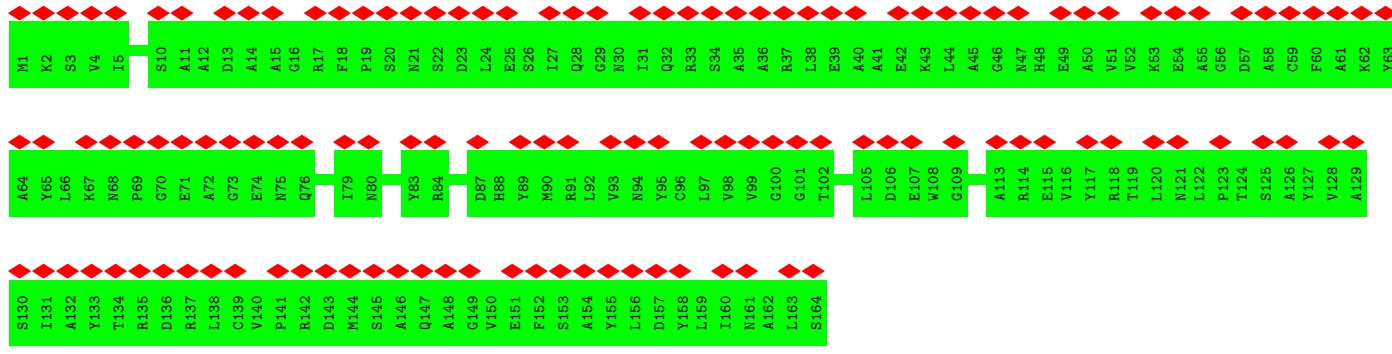
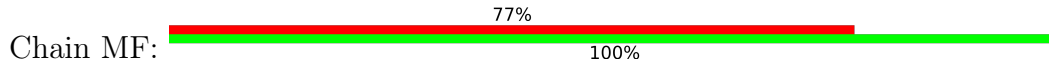
• Molecule 3: Phycoerythrin alpha subunit



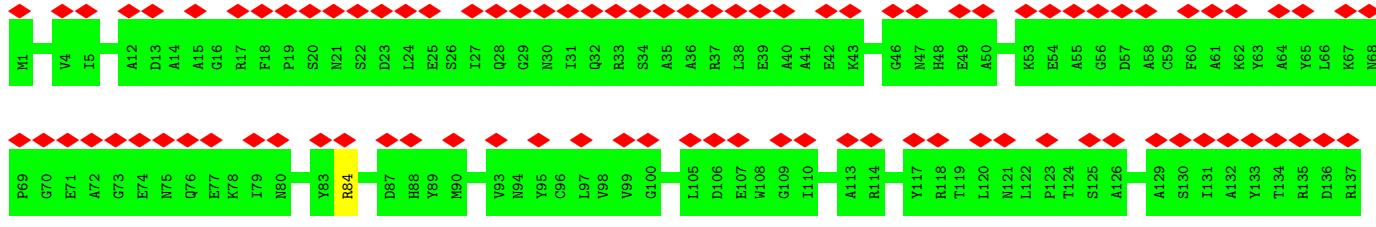
• Molecule 3: Phycoerythrin alpha subunit

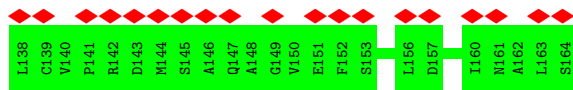


• Molecule 3: Phycoerythrin alpha subunit

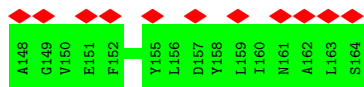
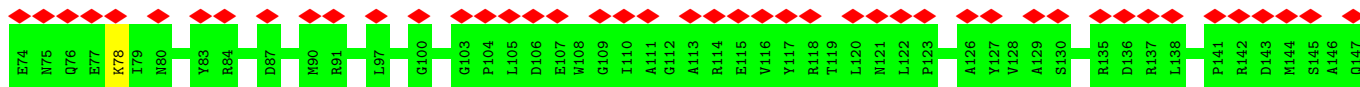
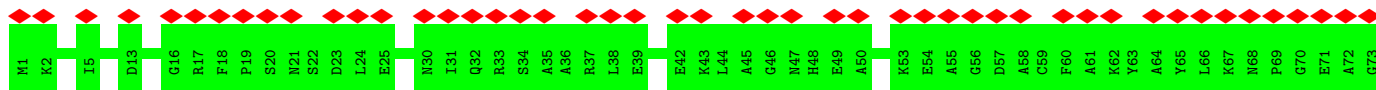


• Molecule 3: Phycoerythrin alpha subunit

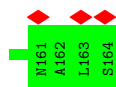
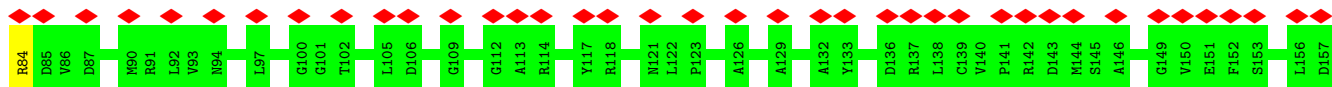
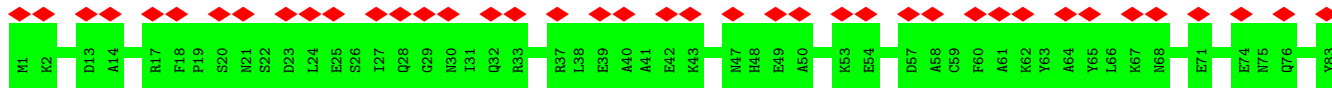




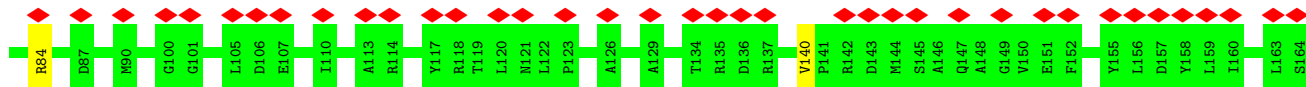
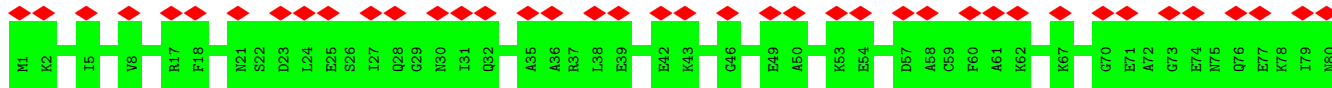
• Molecule 3: Phycoerythrin alpha subunit



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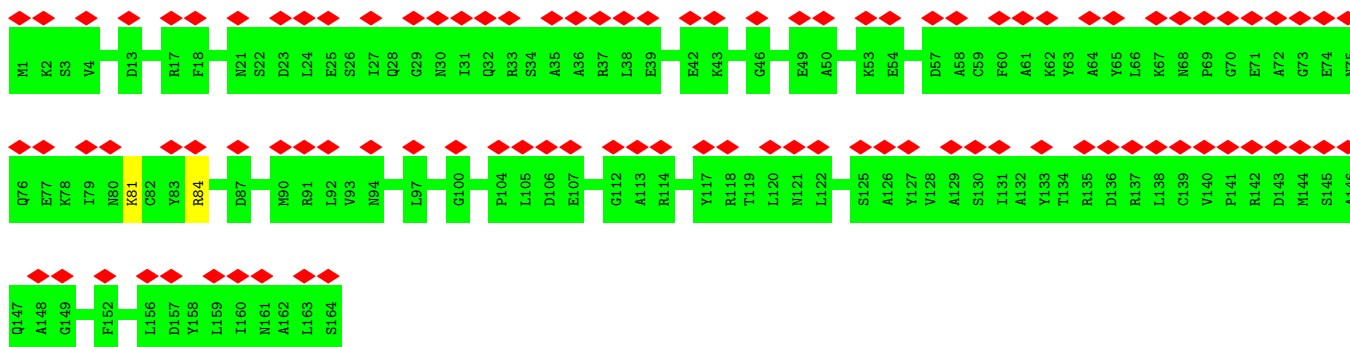


• Molecule 3: Phycoerythrin alpha subunit

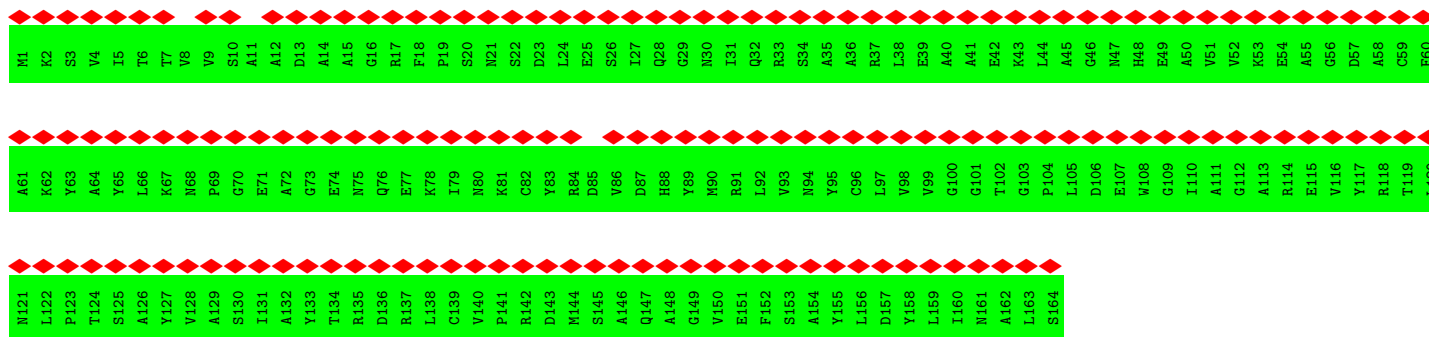


• Molecule 3: Phycoerythrin alpha subunit

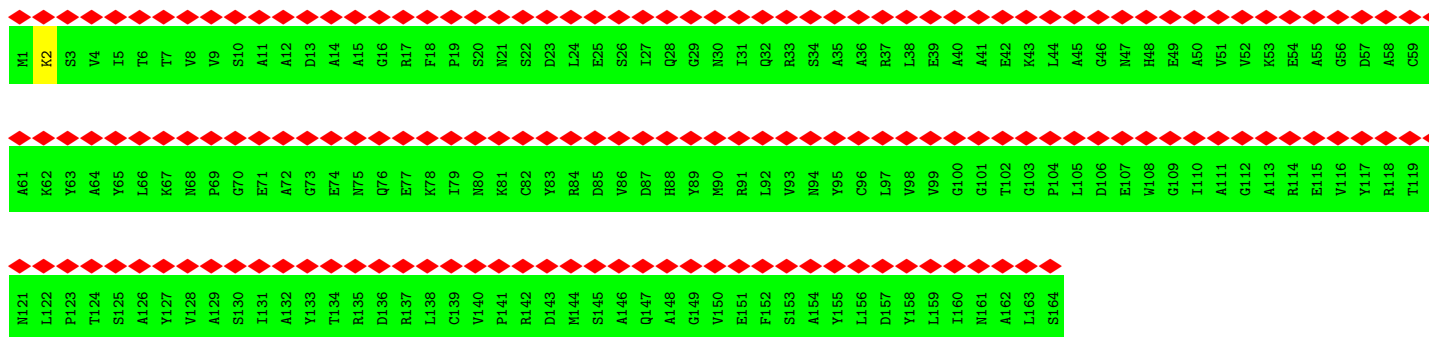




• Molecule 3: Phycoerythrin alpha subunit

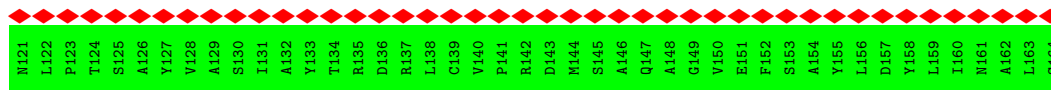


• Molecule 3: Phycoerythrin alpha subunit

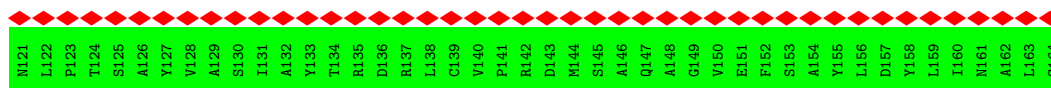
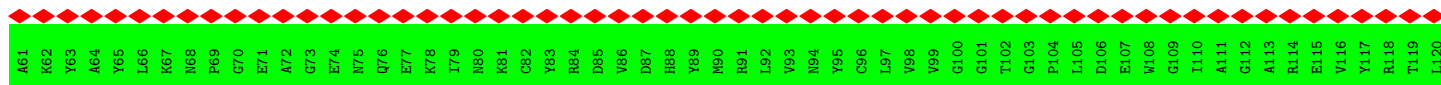
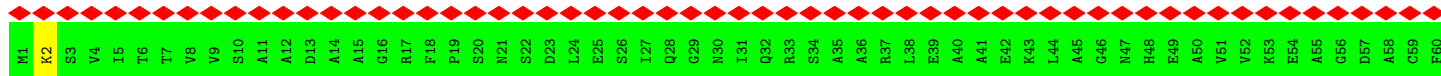


• Molecule 3: Phycoerythrin alpha subunit

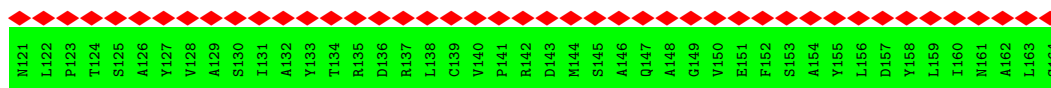
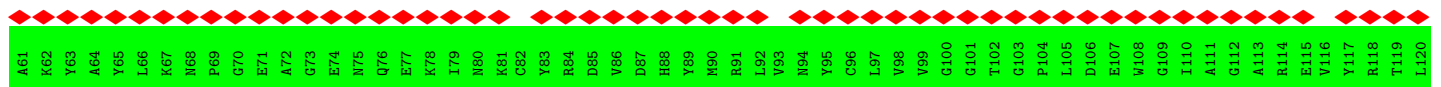
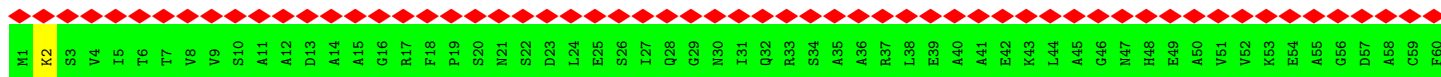




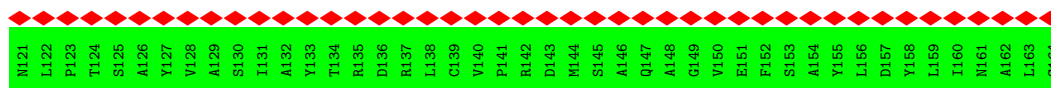
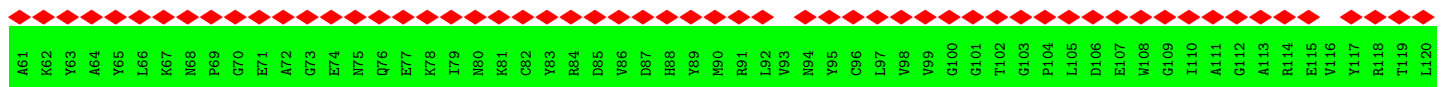
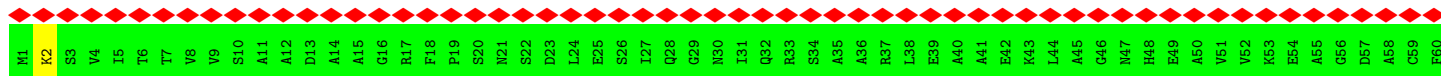
• Molecule 3: Phycoerythrin alpha subunit



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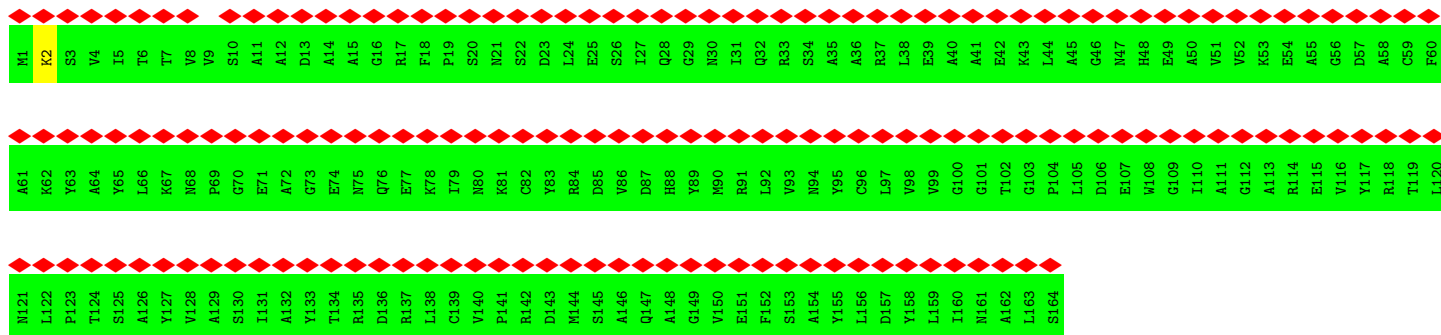


• Molecule 3: Phycoerythrin alpha subunit

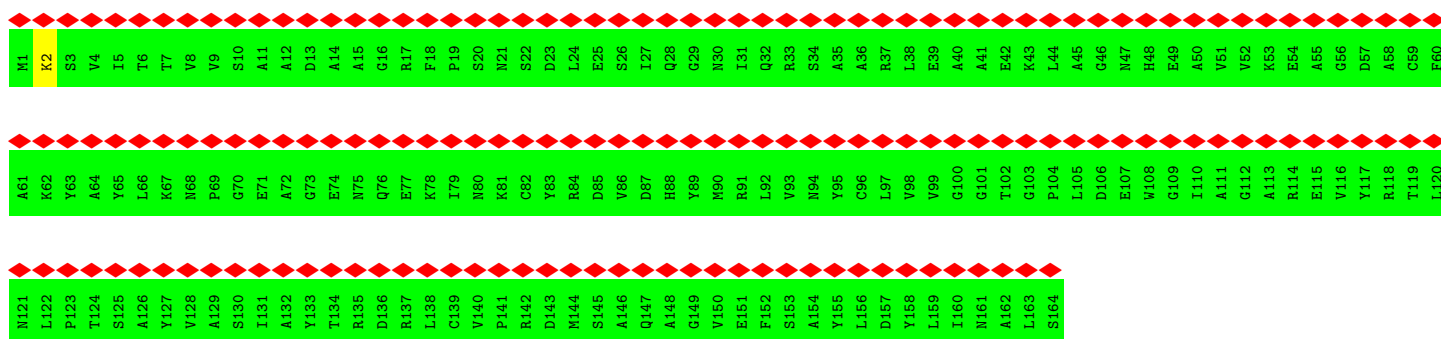


• Molecule 3: Phycoerythrin alpha subunit

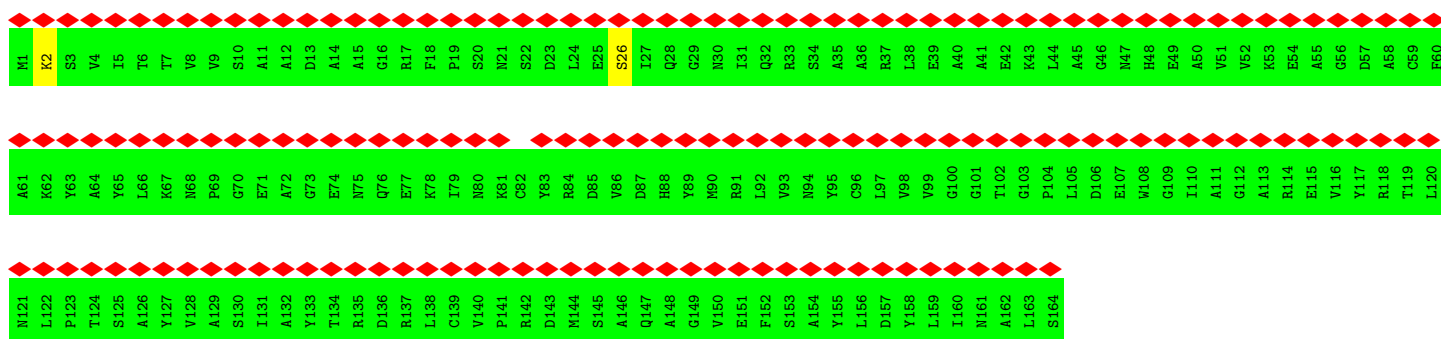




● Molecule 3: Phycoerythrin alpha subunit

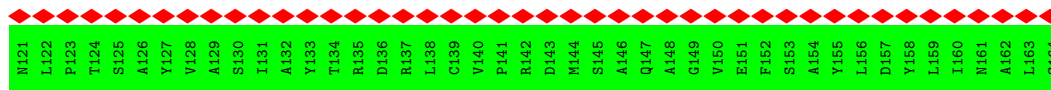


● Molecule 3: Phycoerythrin alpha subunit

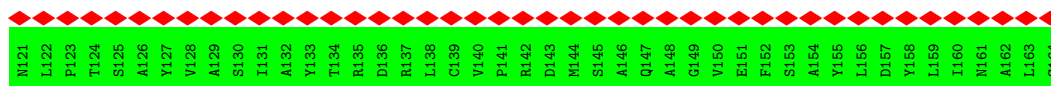
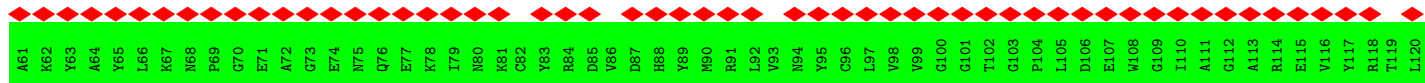
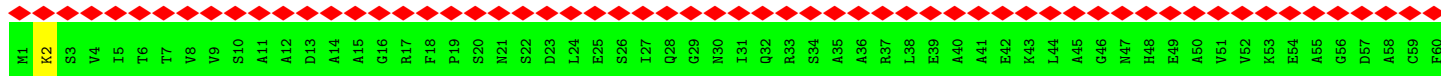


● Molecule 3: Phycoerythrin alpha subunit

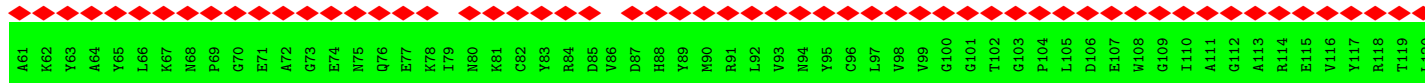




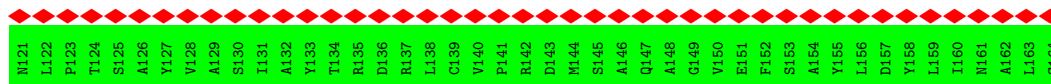
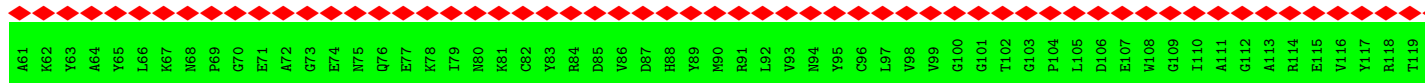
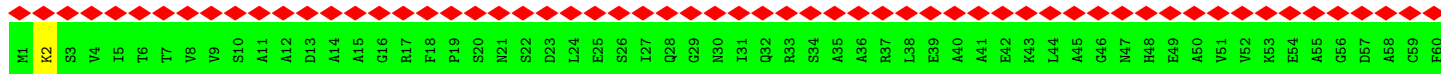
• Molecule 3: Phycoerythrin alpha subunit



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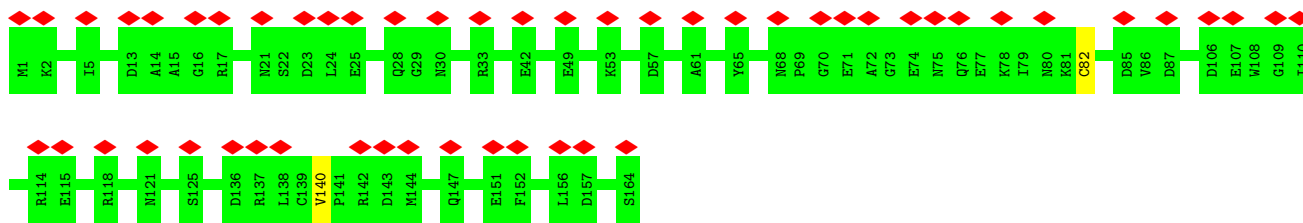


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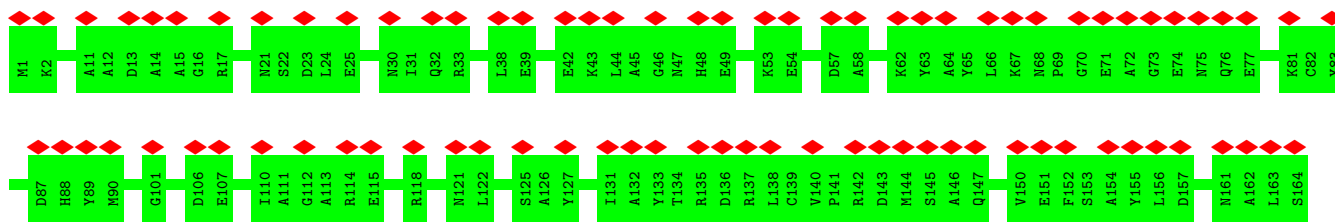


• Molecule 3: Phycoerythrin alpha subunit

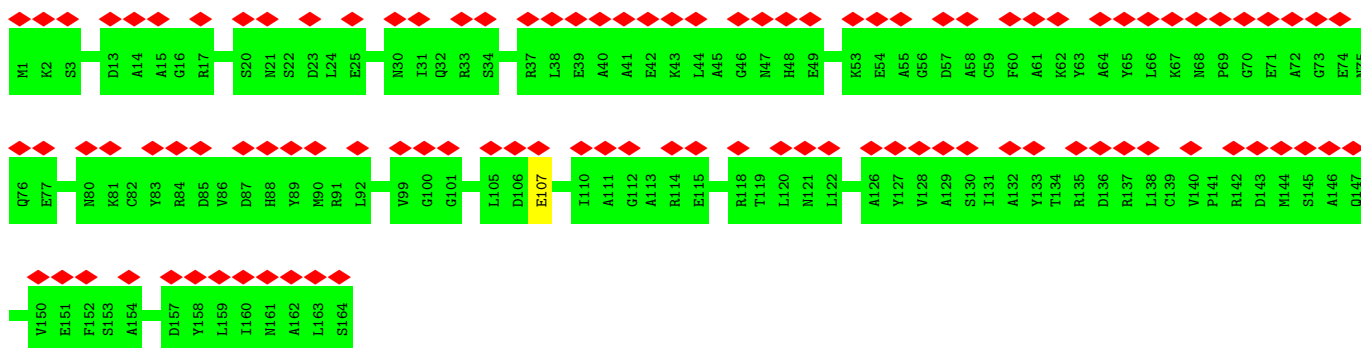




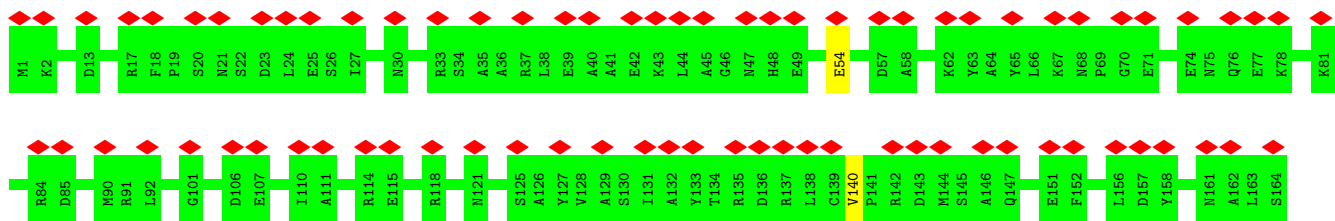
- Molecule 3: Phycoerythrin alpha subunit



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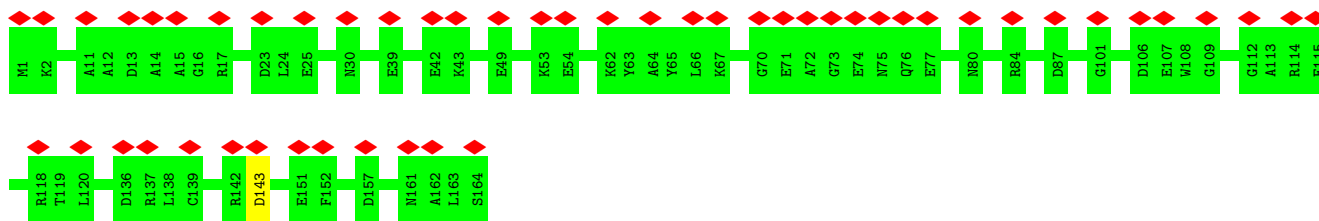


- Molecule 3: Phycoerythrin alpha subunit

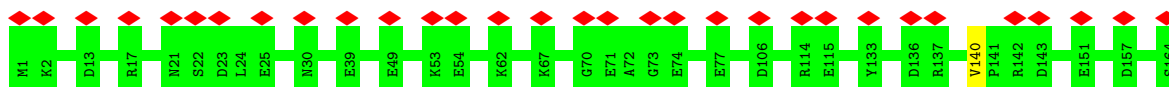


- Molecule 3: Phycoerythrin alpha subunit





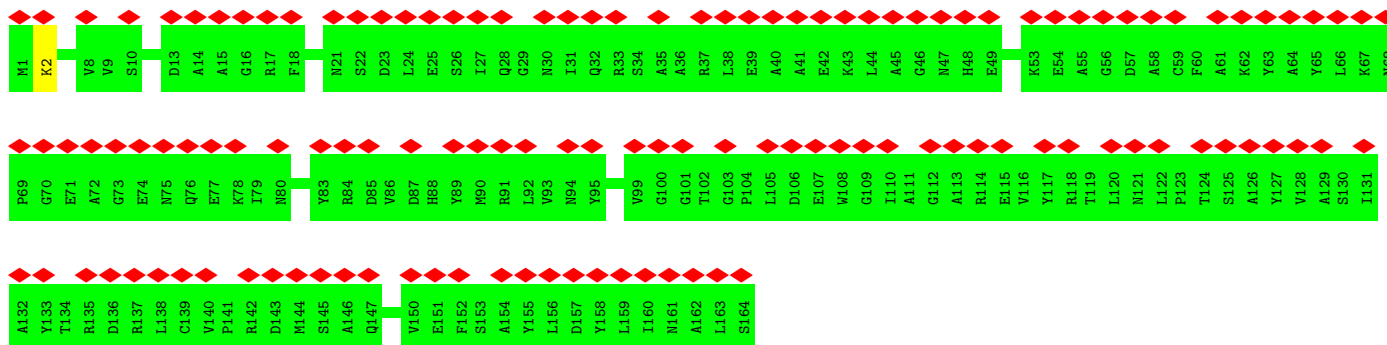
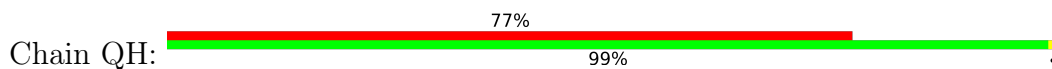
- Molecule 3: Phycoerythrin alpha subunit



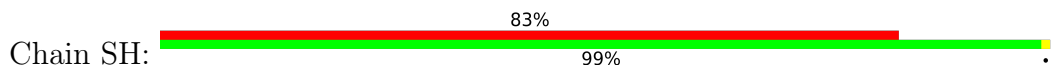
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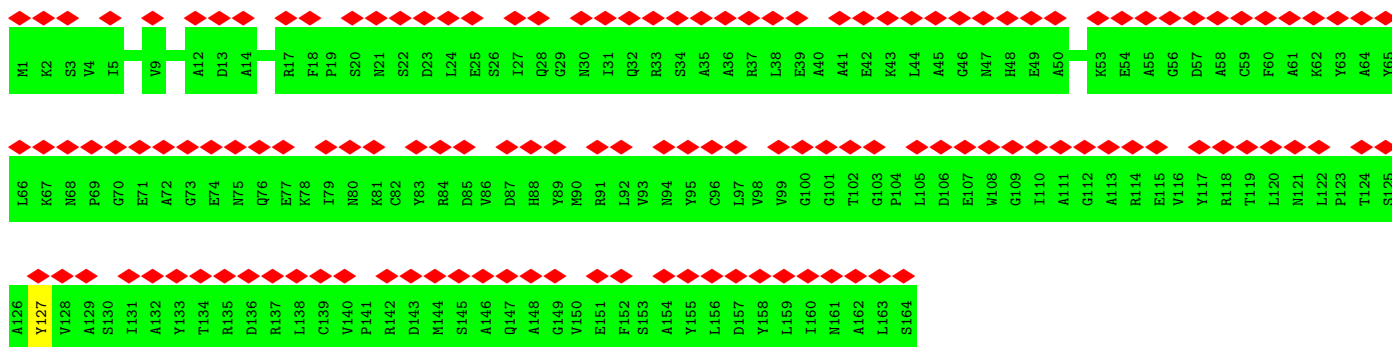


- Molecule 3: Phycoerythrin alpha subunit

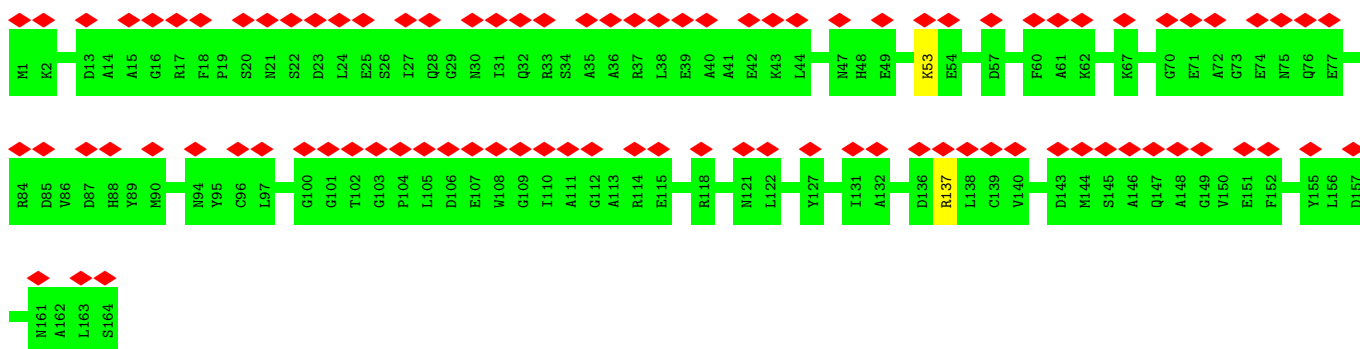


- Molecule 3: Phycoerythrin alpha subunit

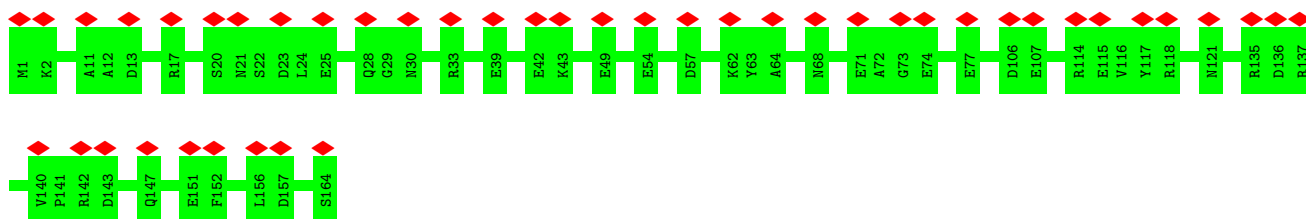




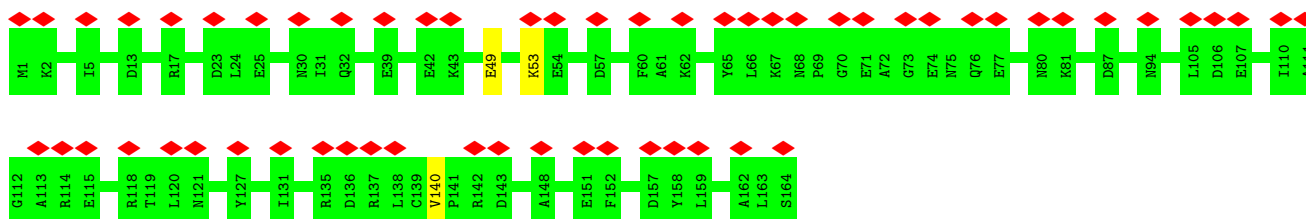
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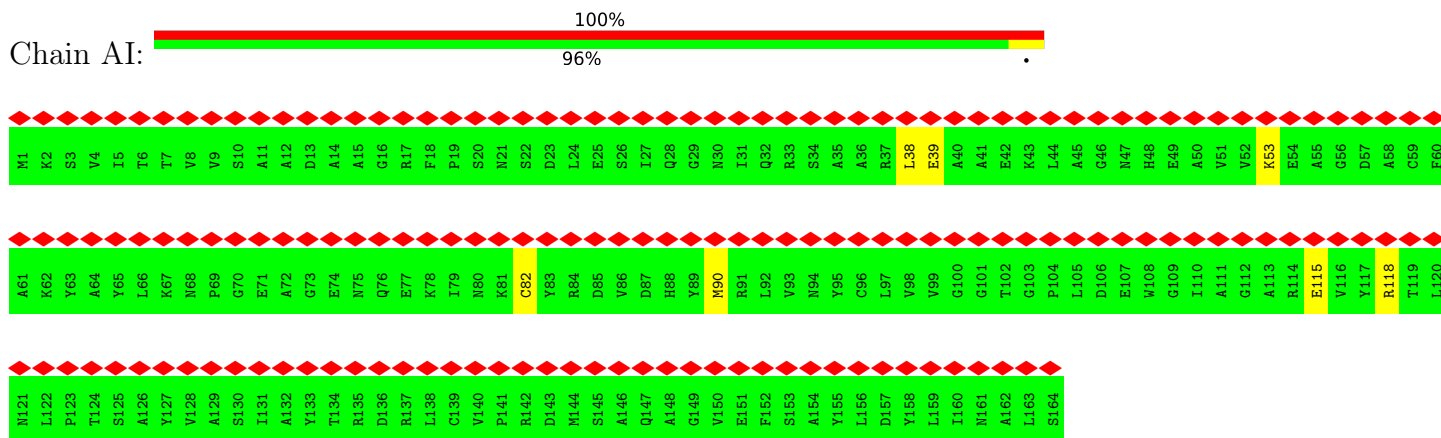
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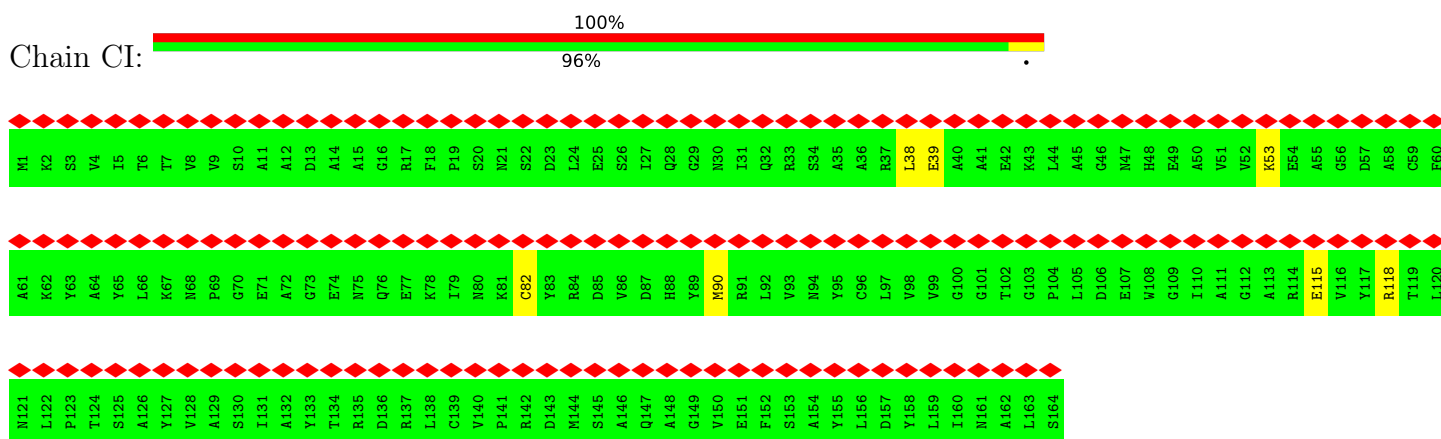
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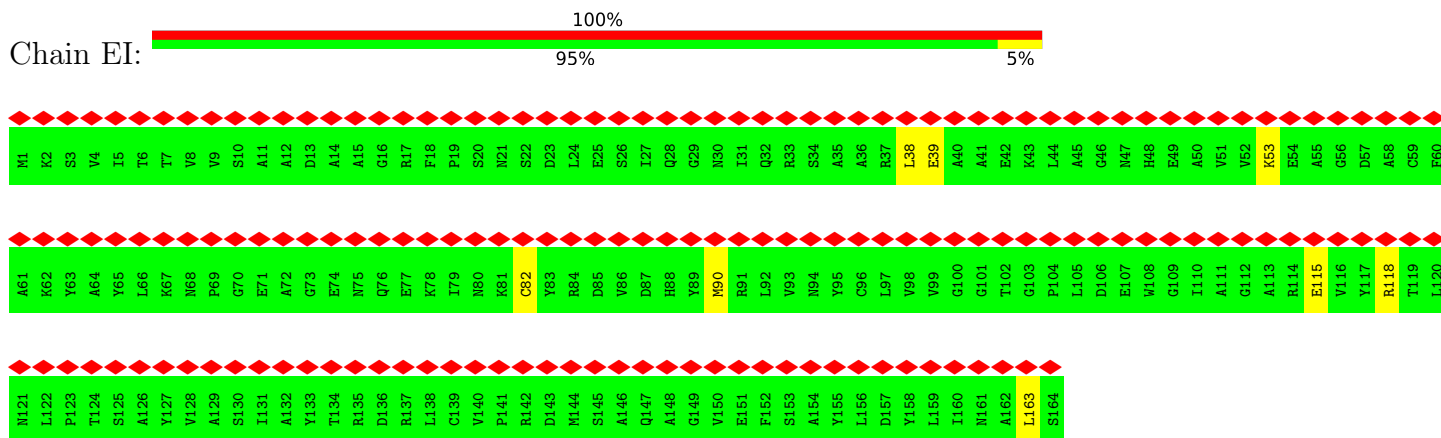
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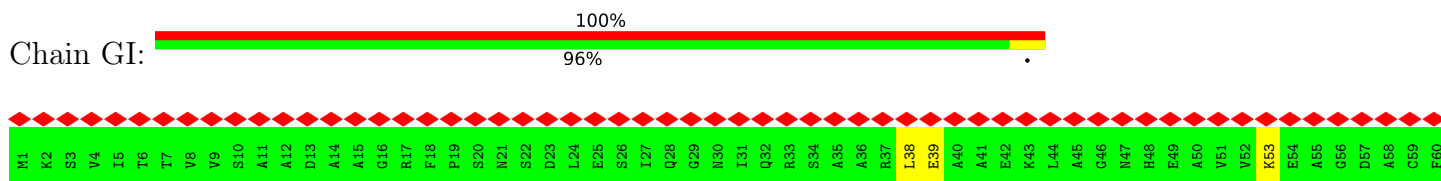
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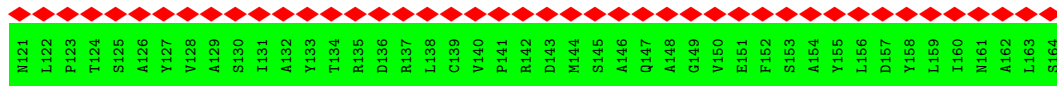
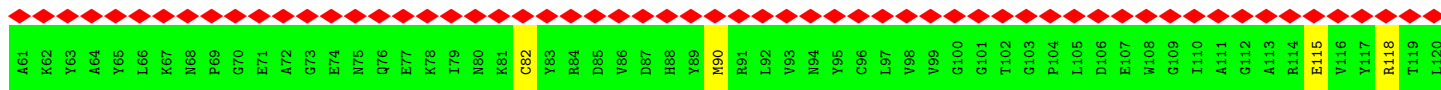


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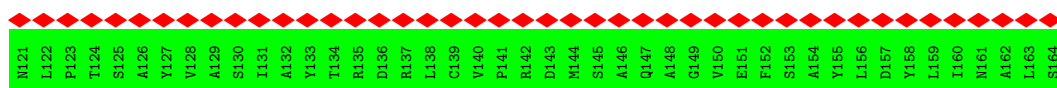
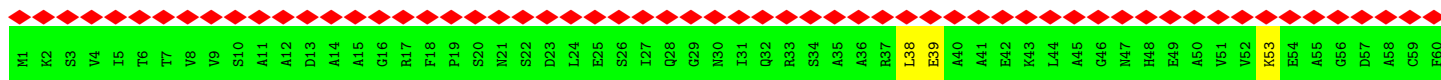


• Molecule 3: Phycoerythrin alpha subunit

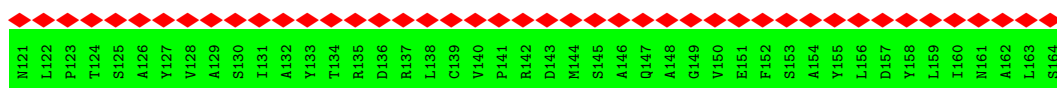
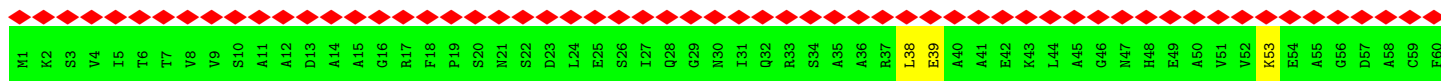




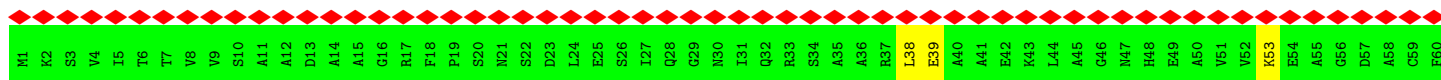
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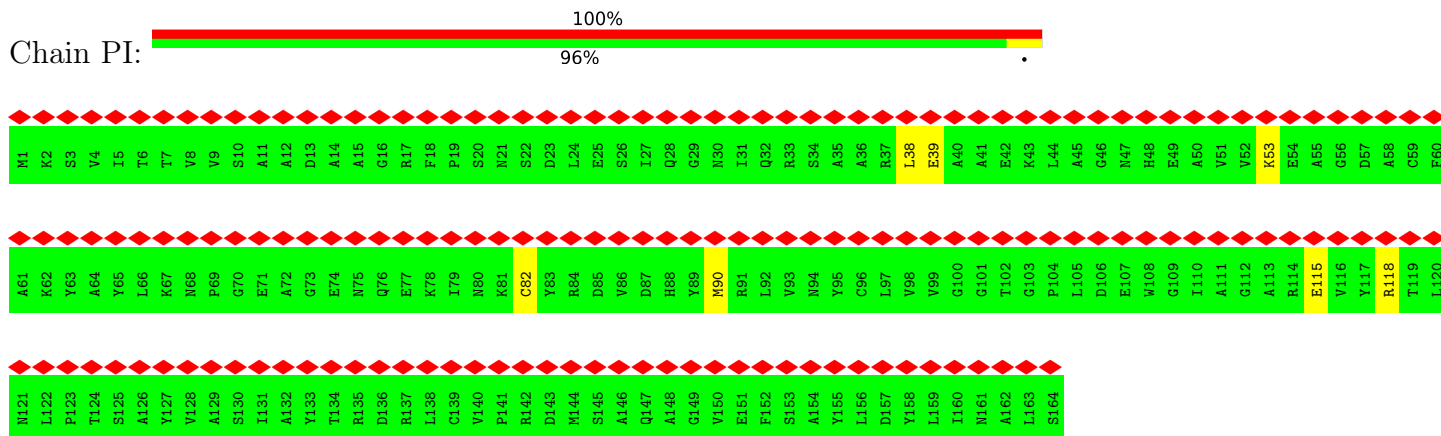
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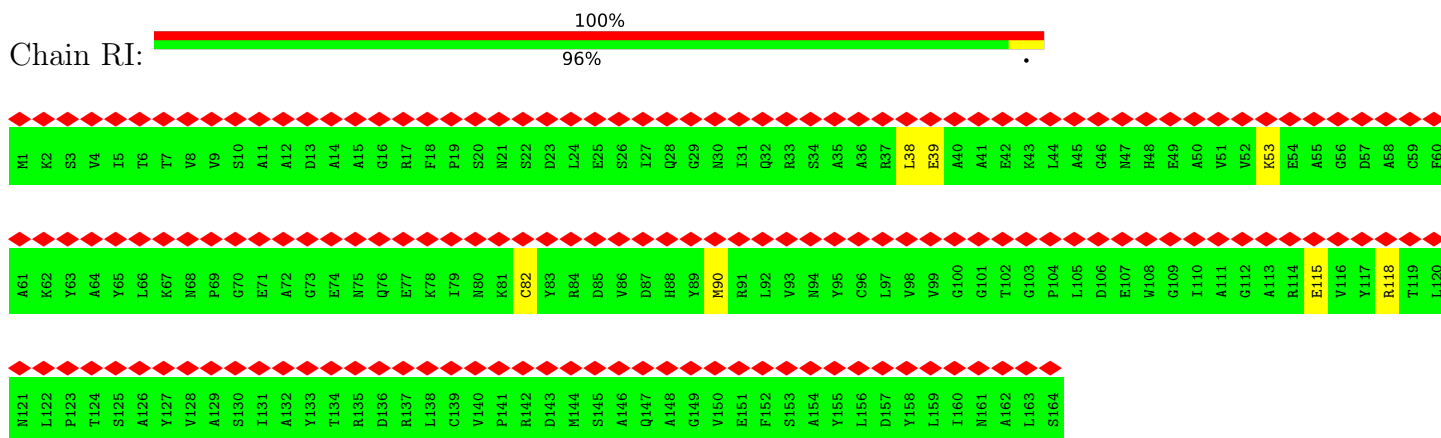
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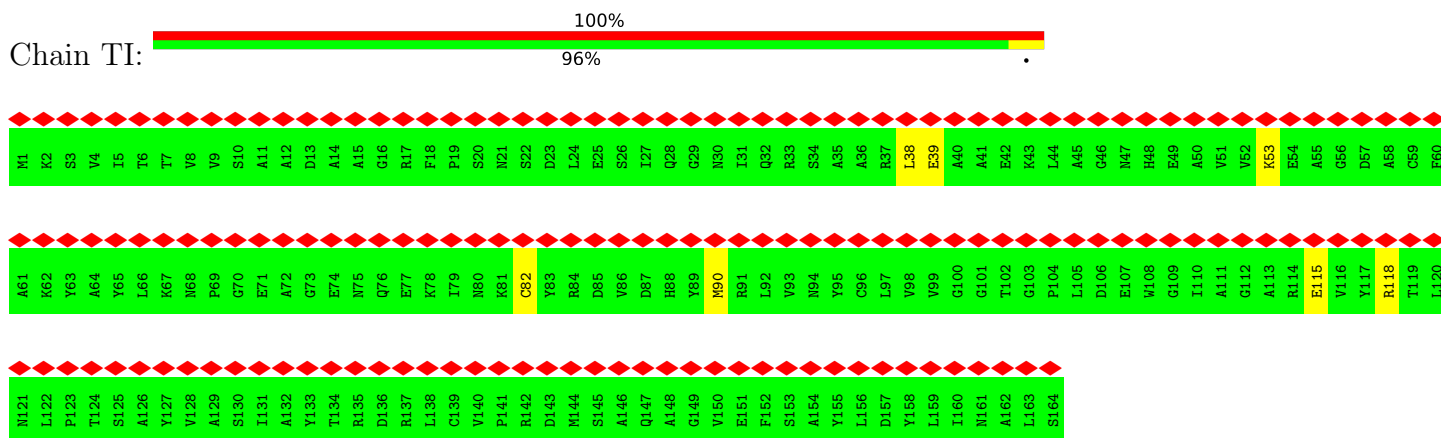
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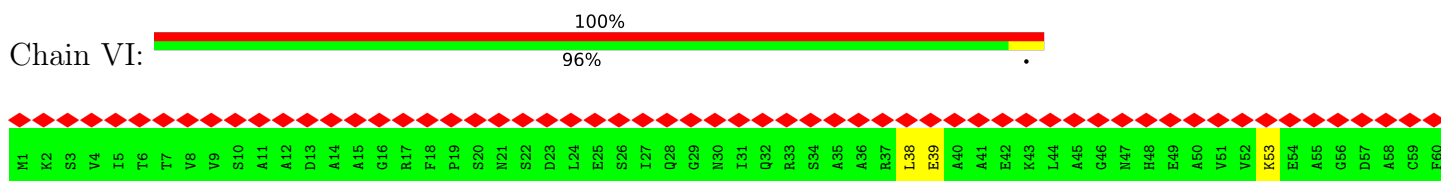
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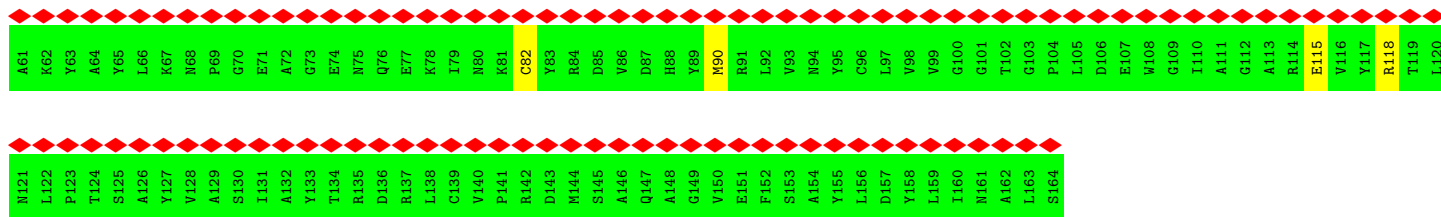


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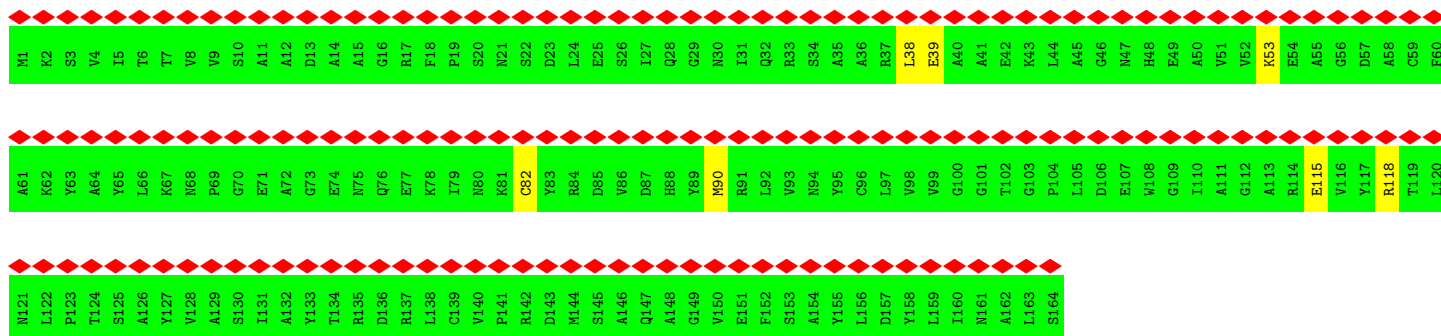


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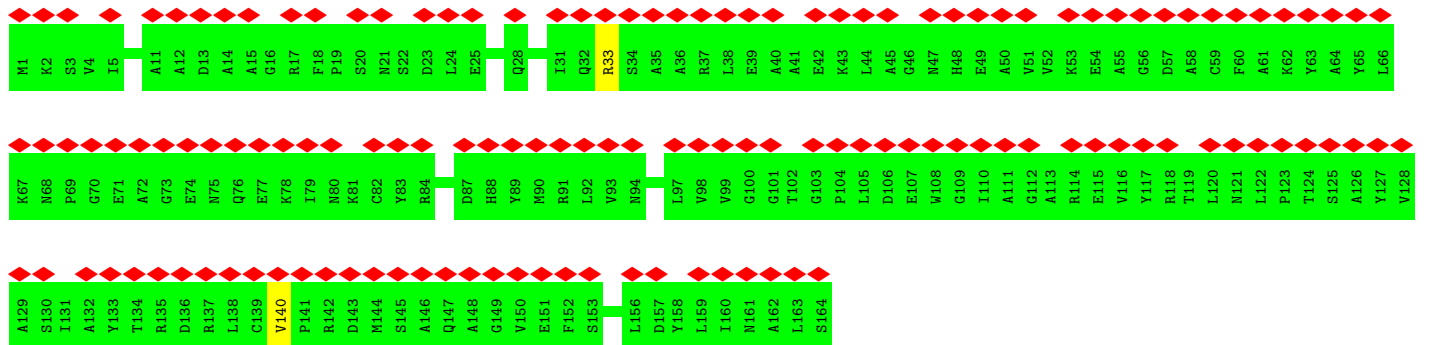
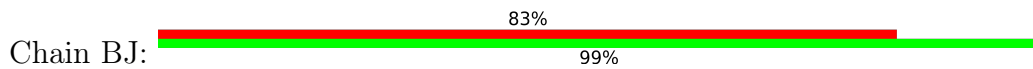




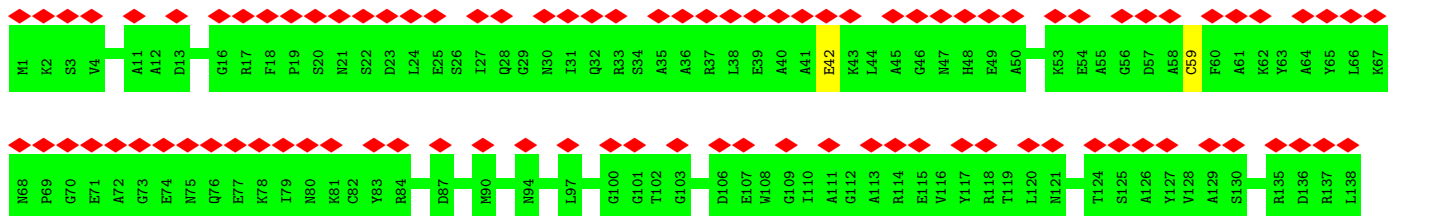
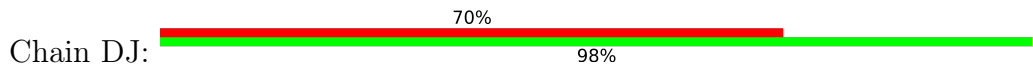
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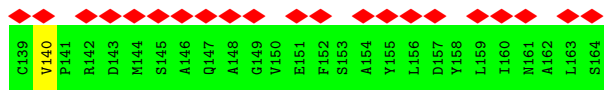


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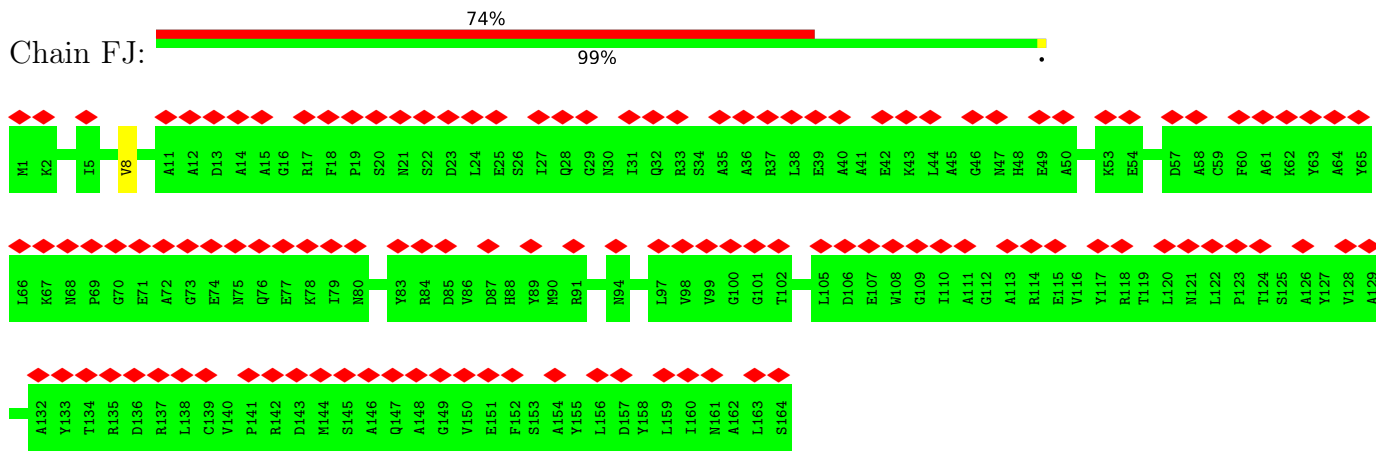


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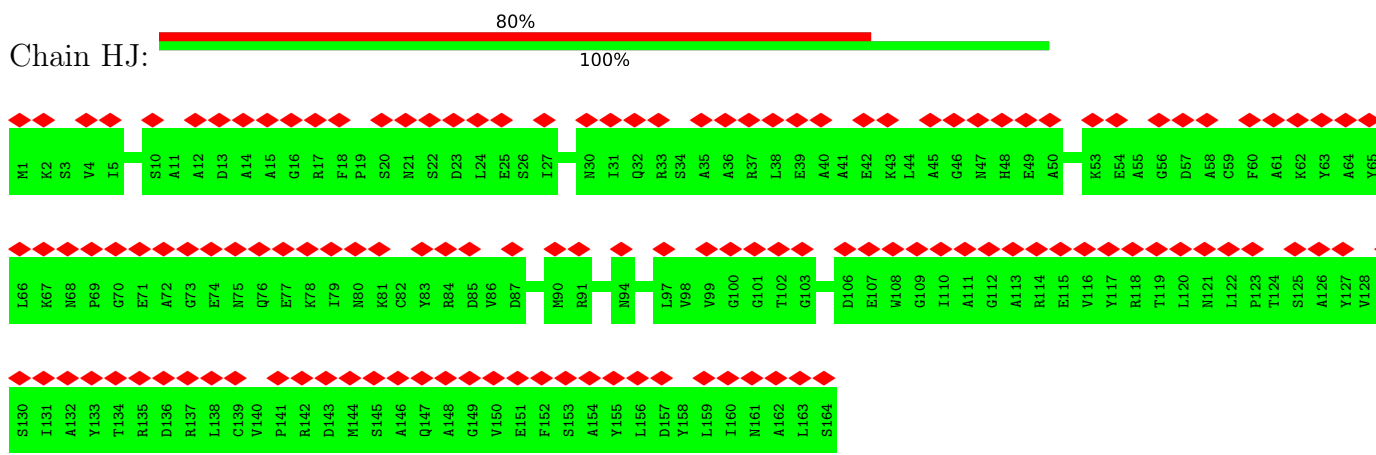




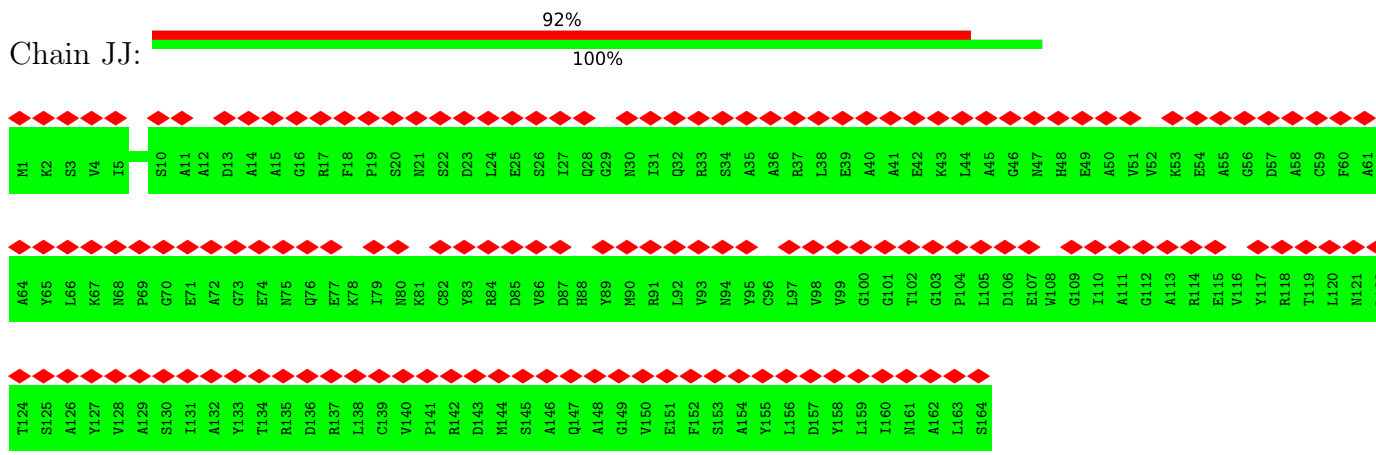
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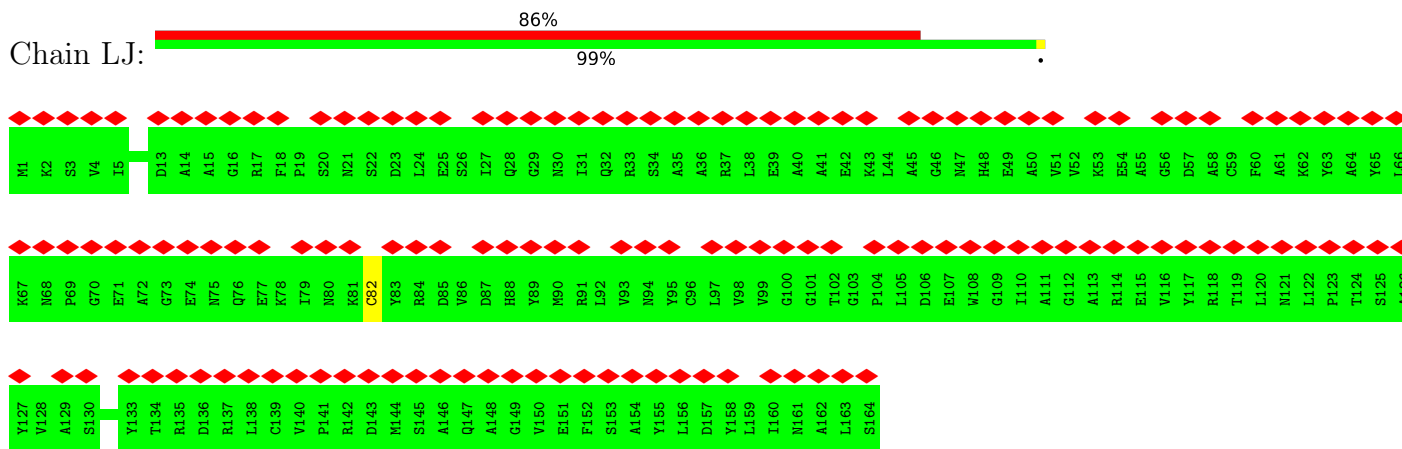
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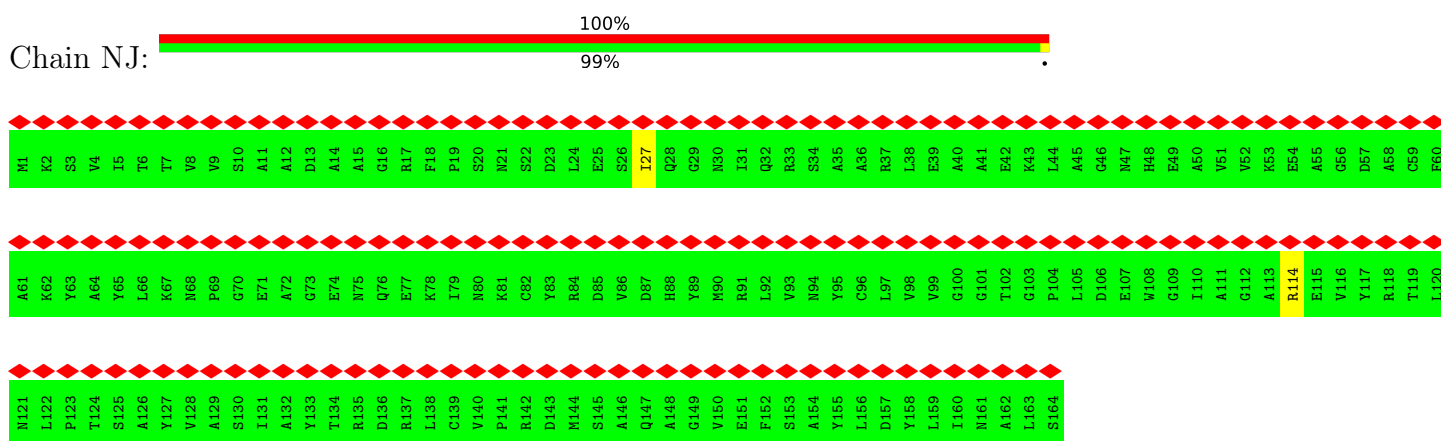
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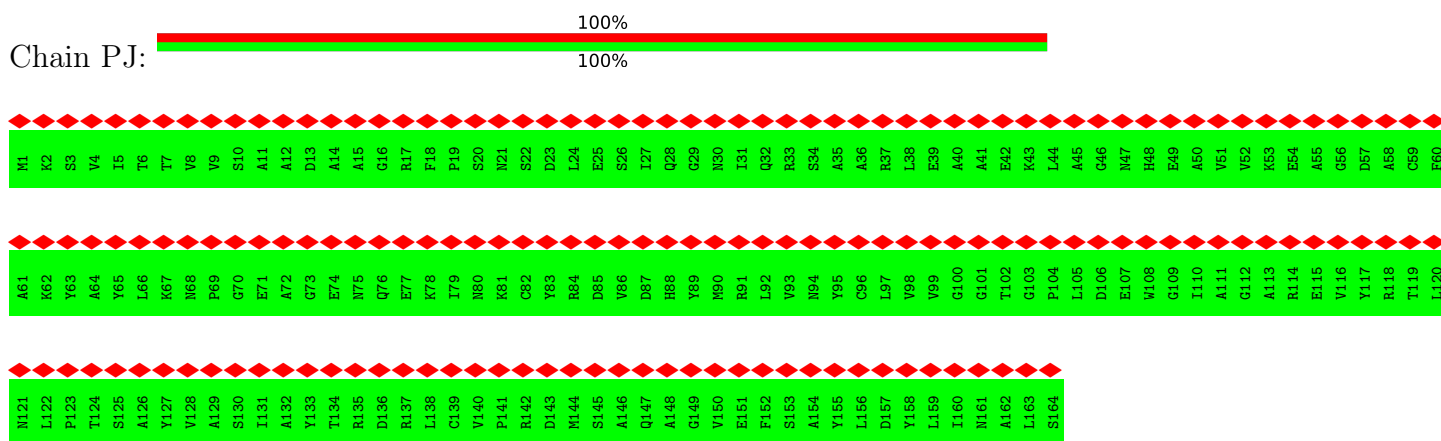
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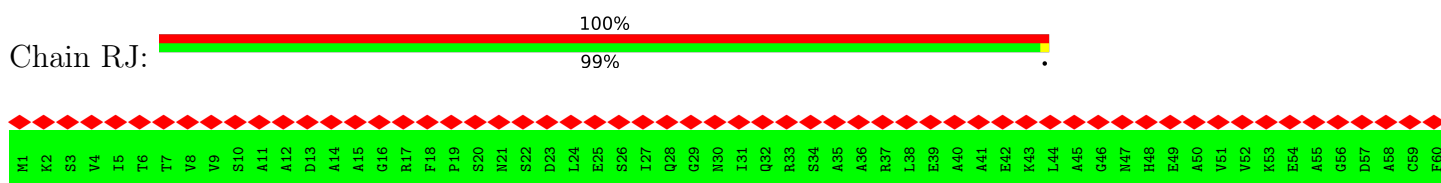
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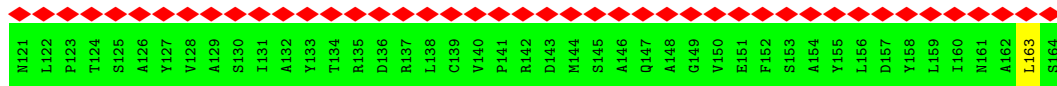
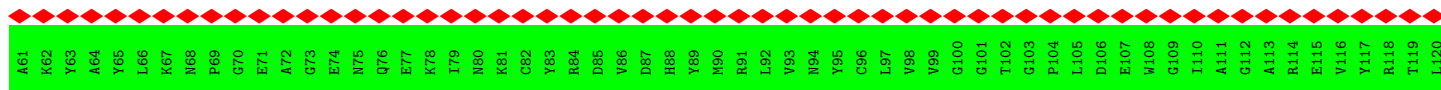


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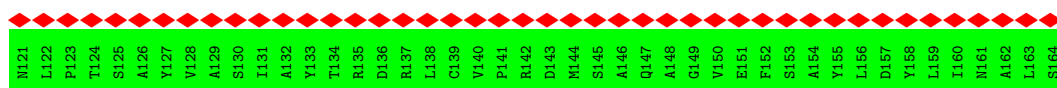
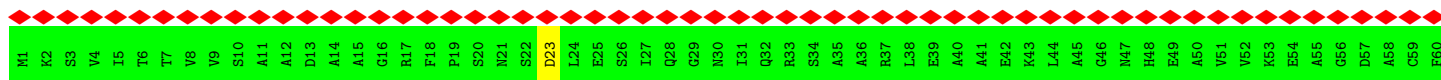


• Molecule 3: Phycoerythrin alpha subunit

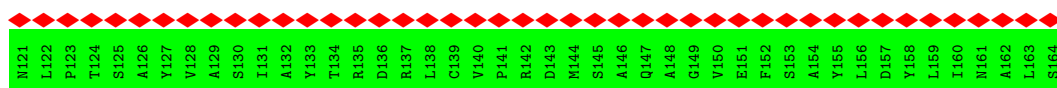
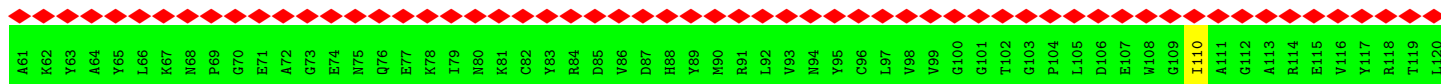
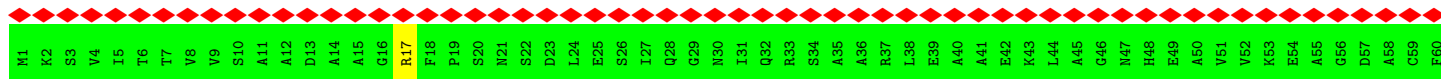




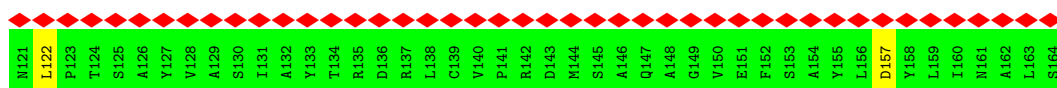
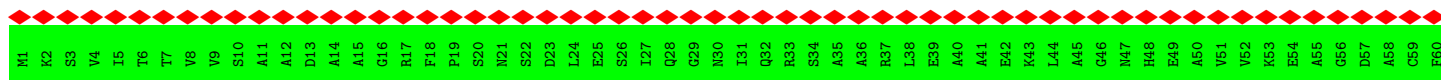
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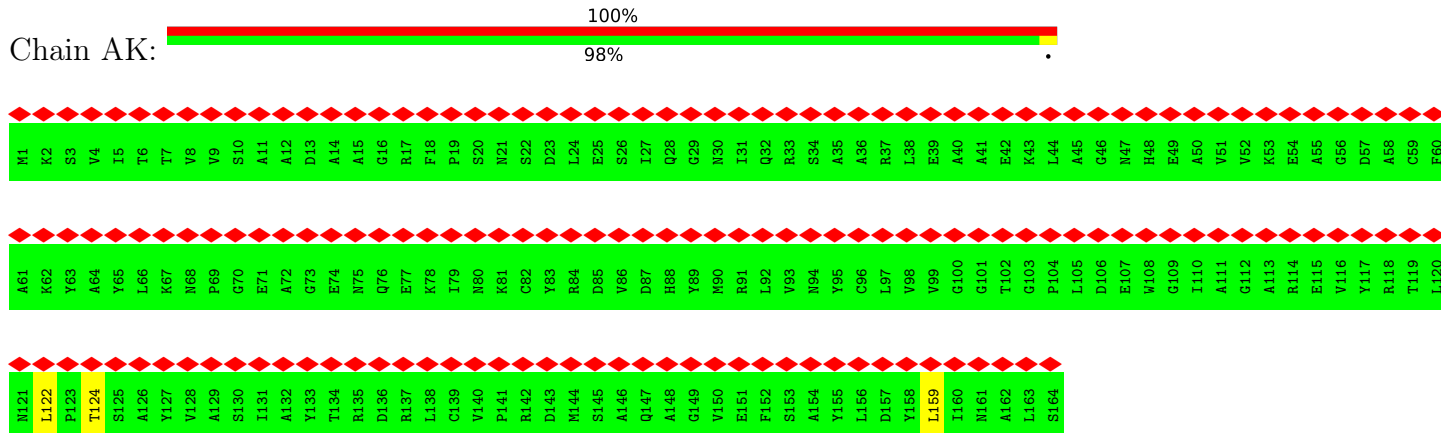
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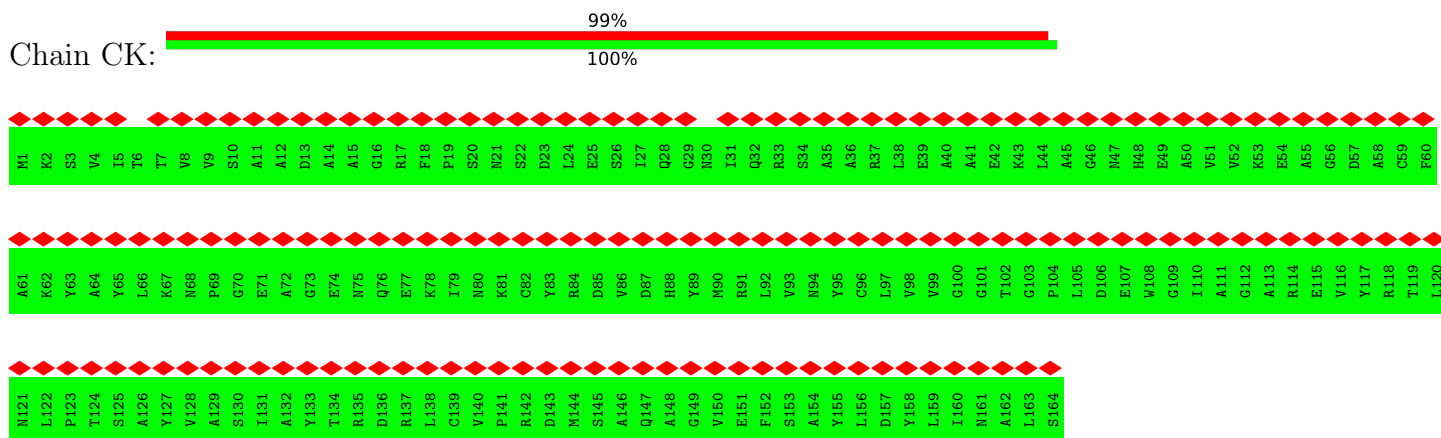
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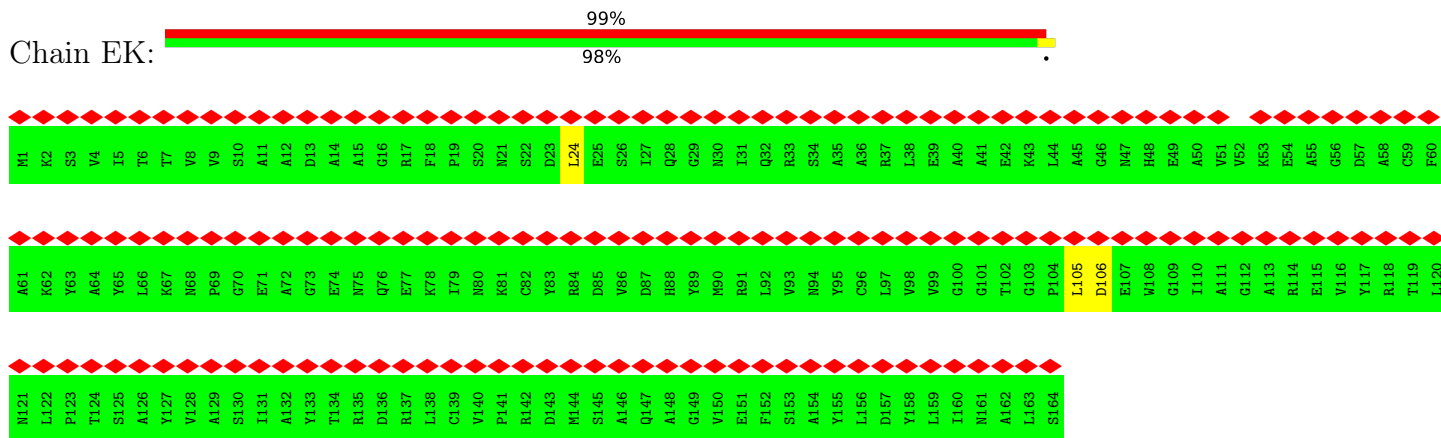
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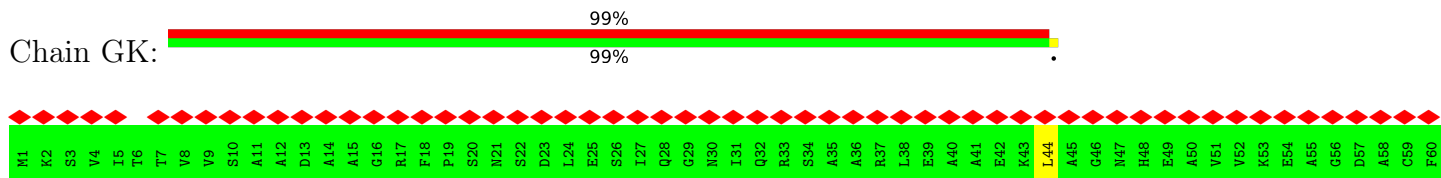
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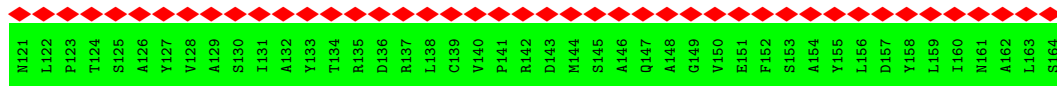
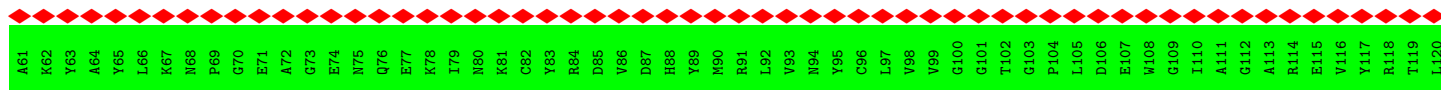


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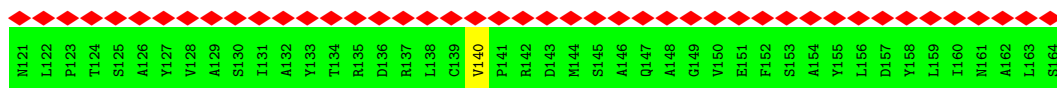
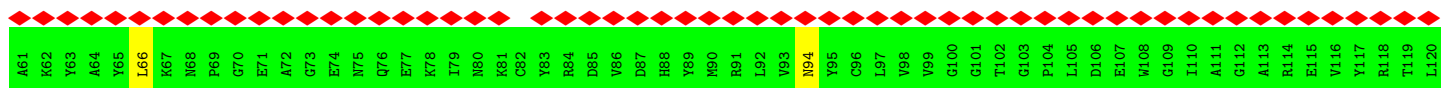
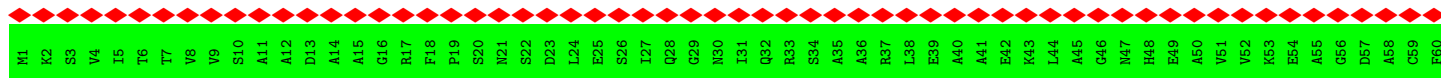


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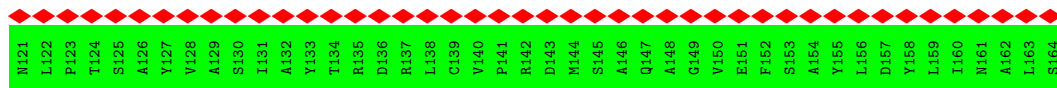
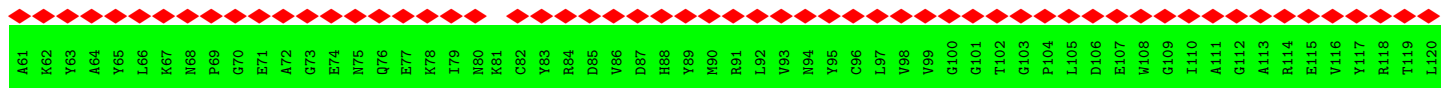
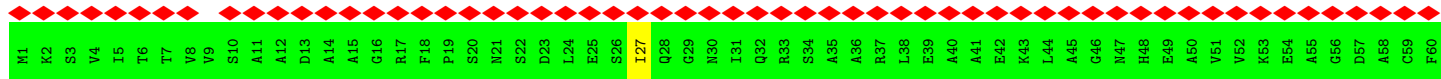




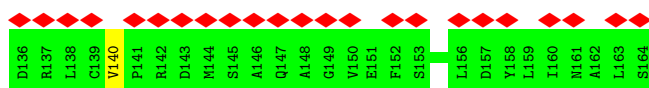
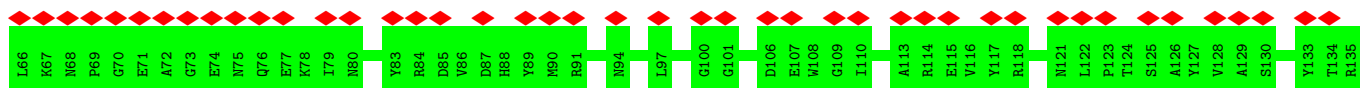
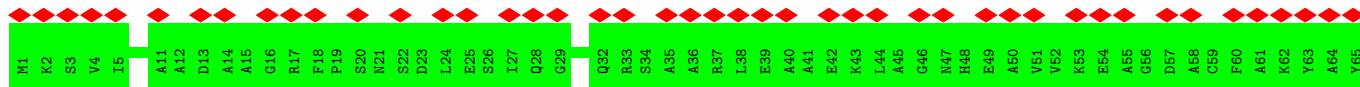
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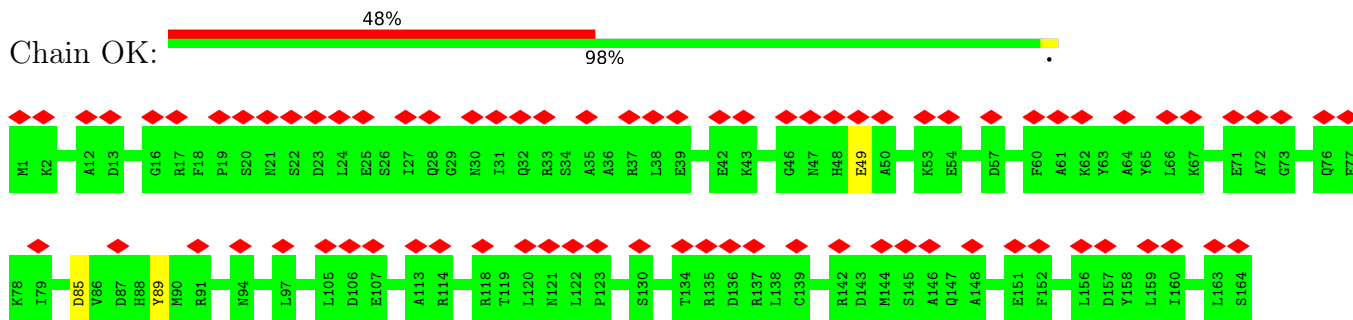
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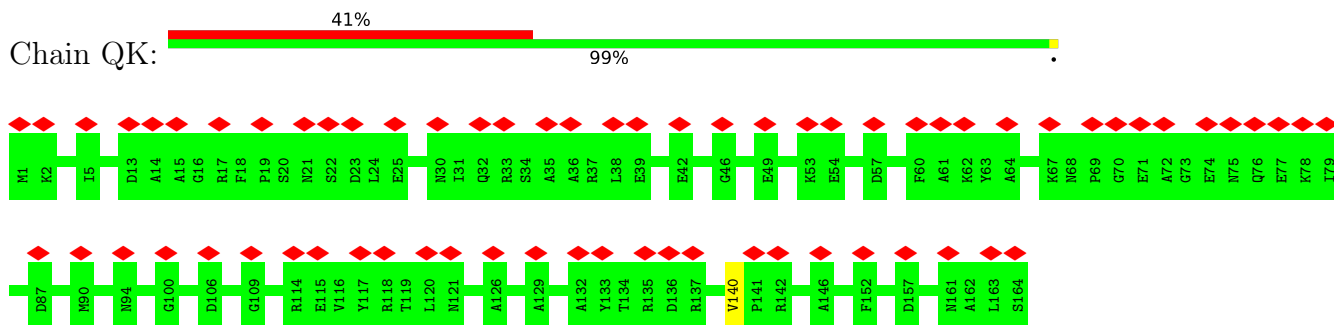
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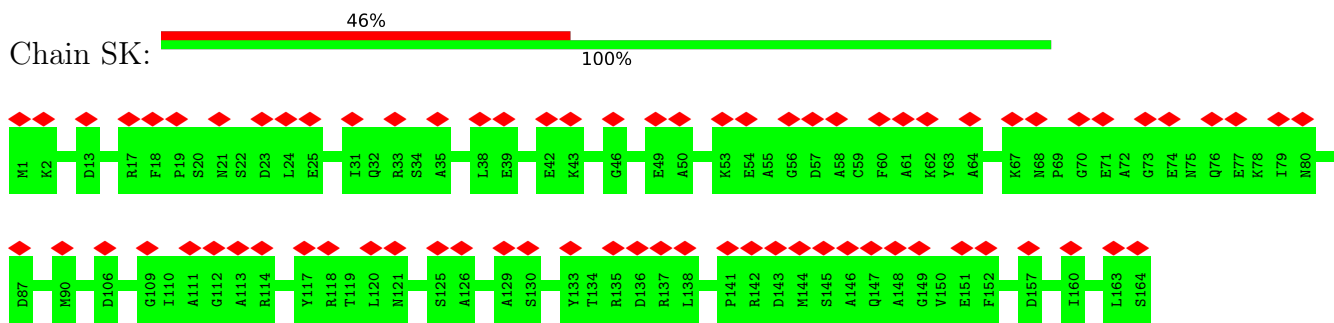
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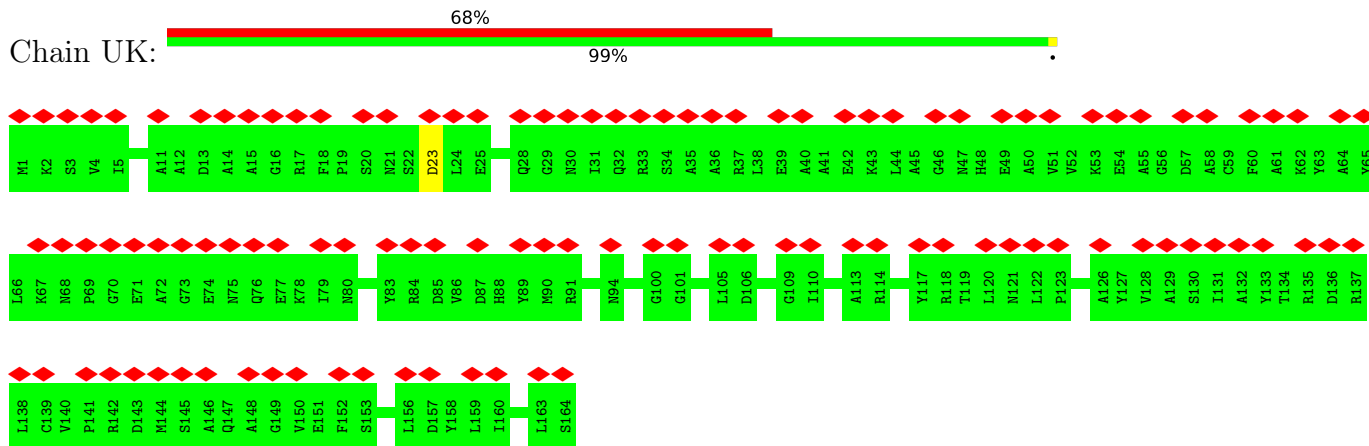
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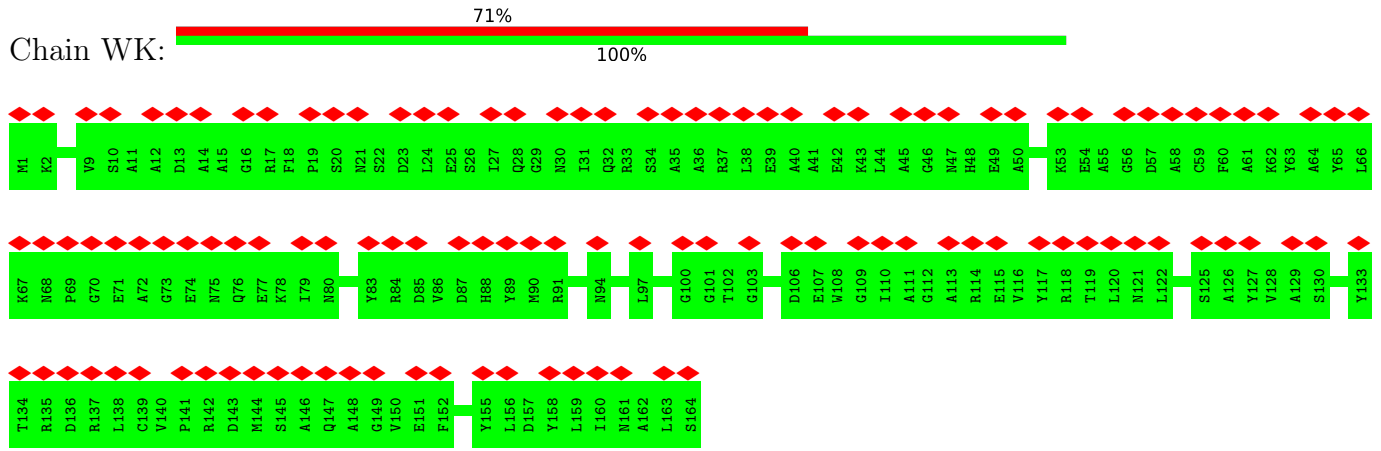
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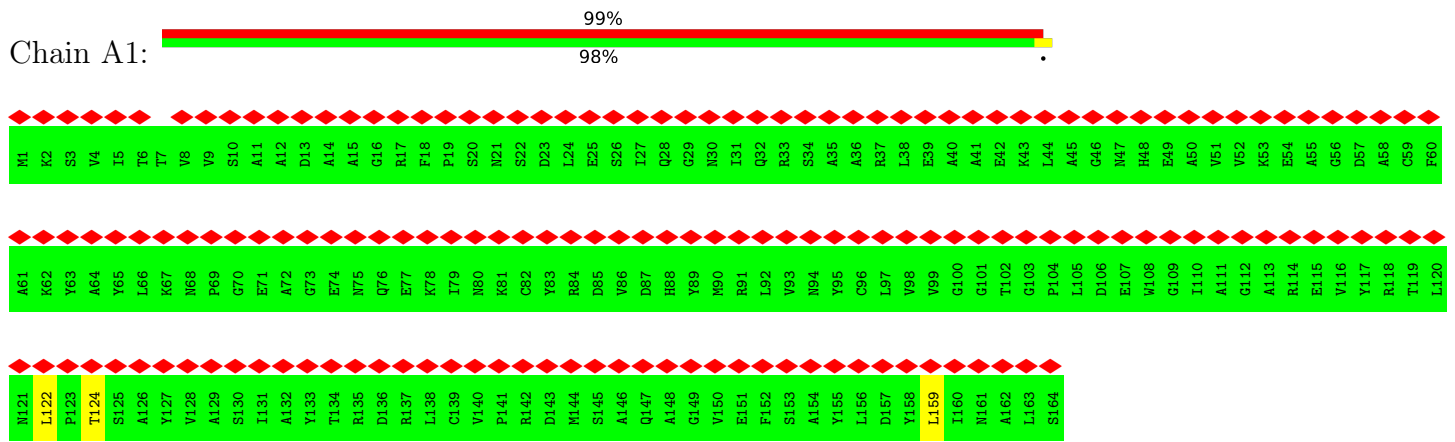
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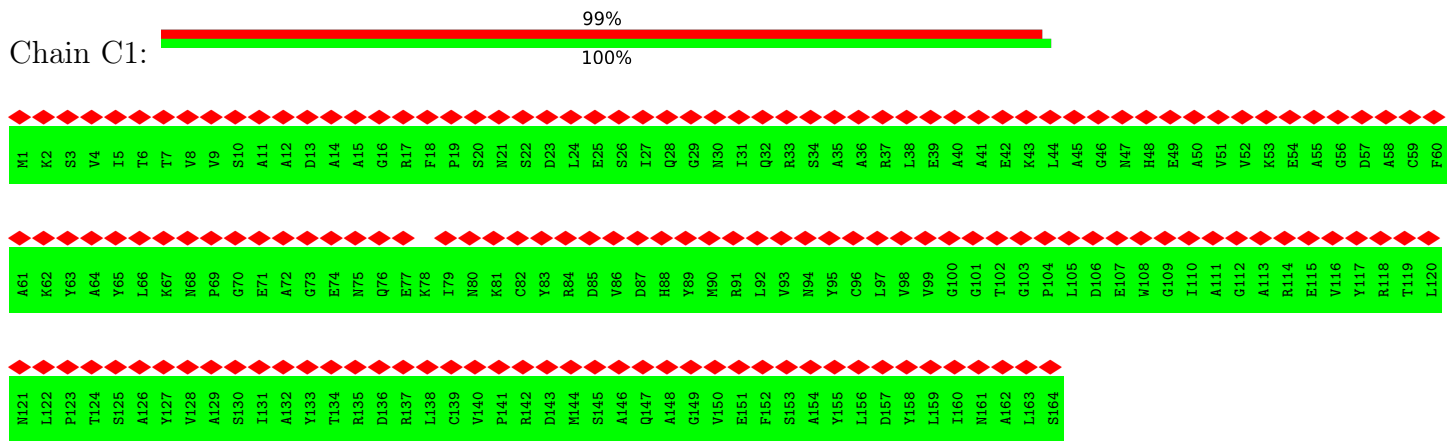
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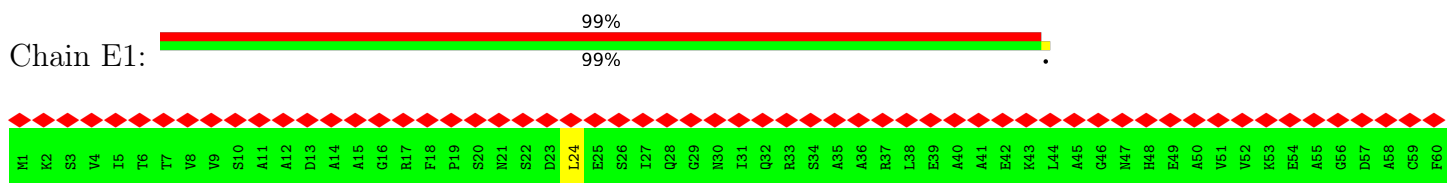
● Molecule 3: Phycoerythrin alpha subunit

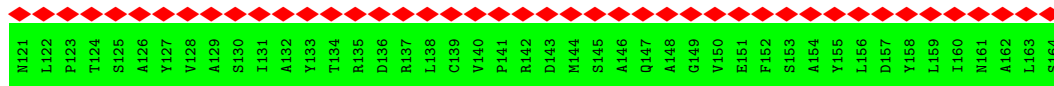
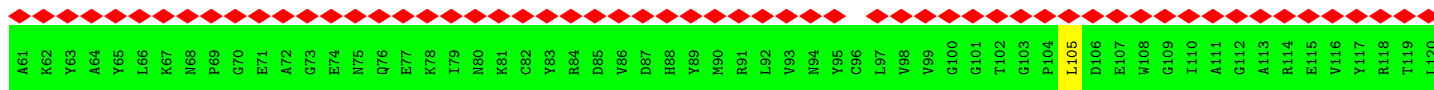


● Molecule 3: Phycoerythrin alpha subunit

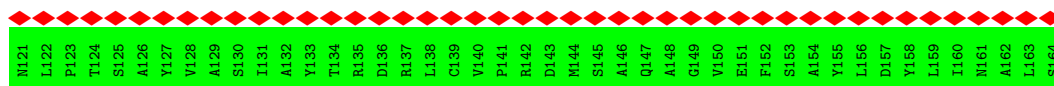
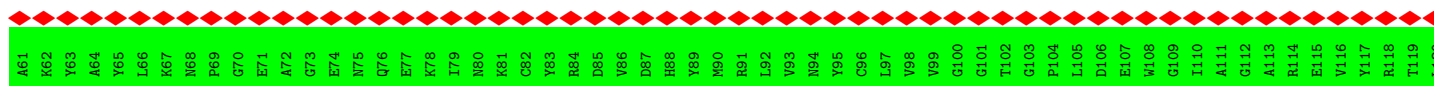
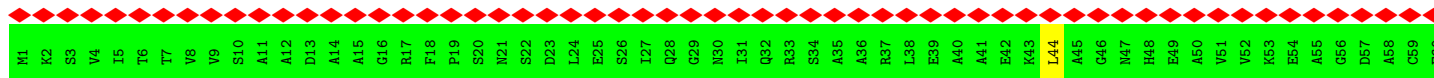


● Molecule 3: Phycoerythrin alpha subunit

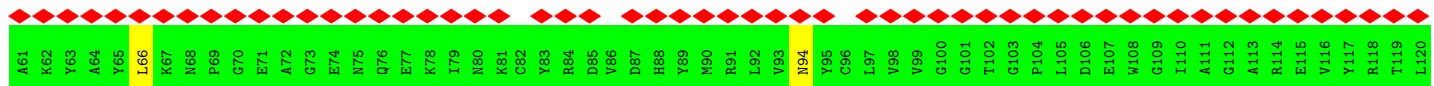
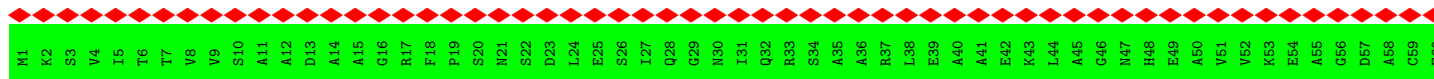




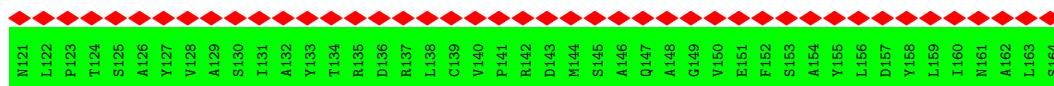
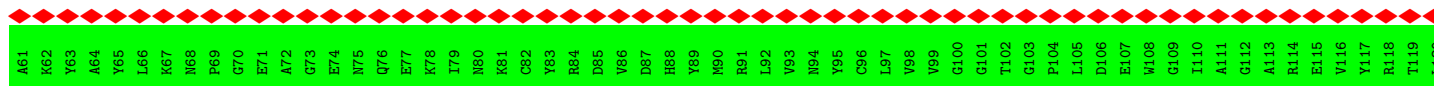
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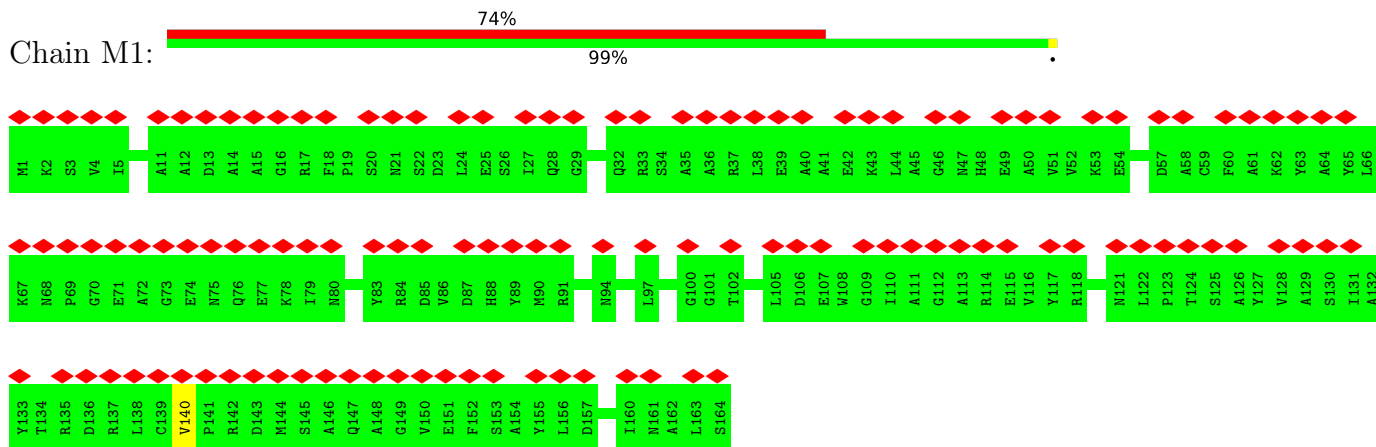
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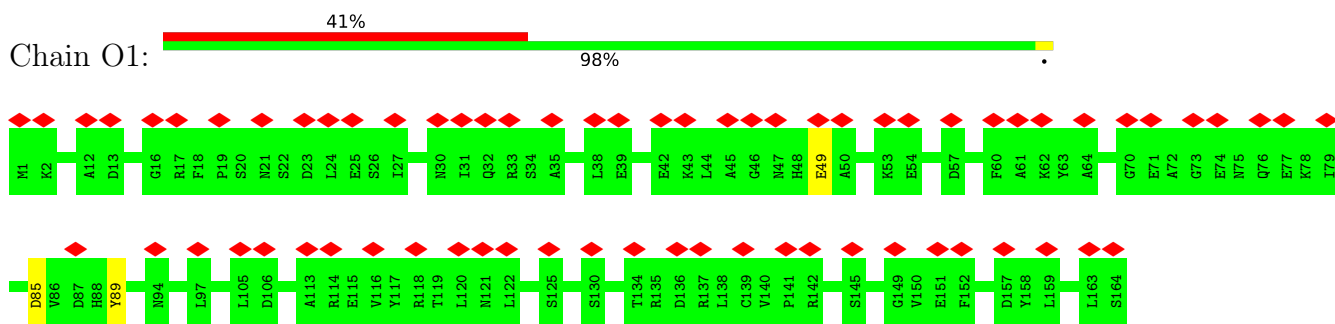
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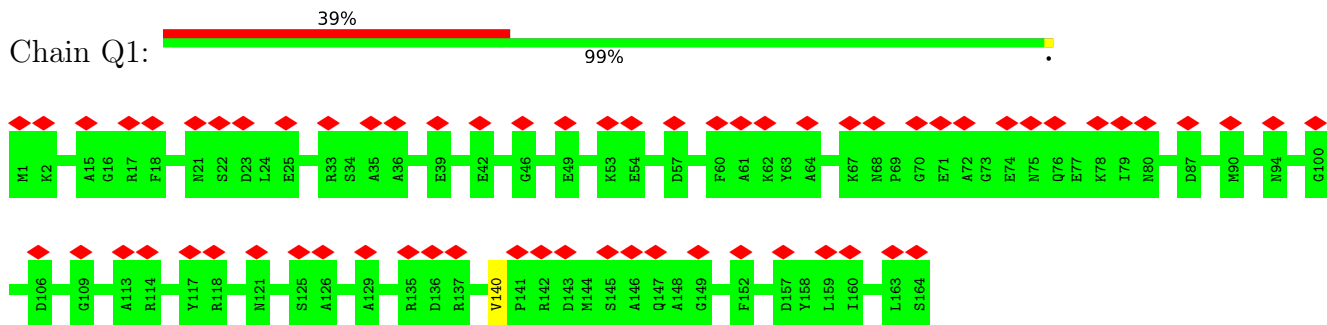
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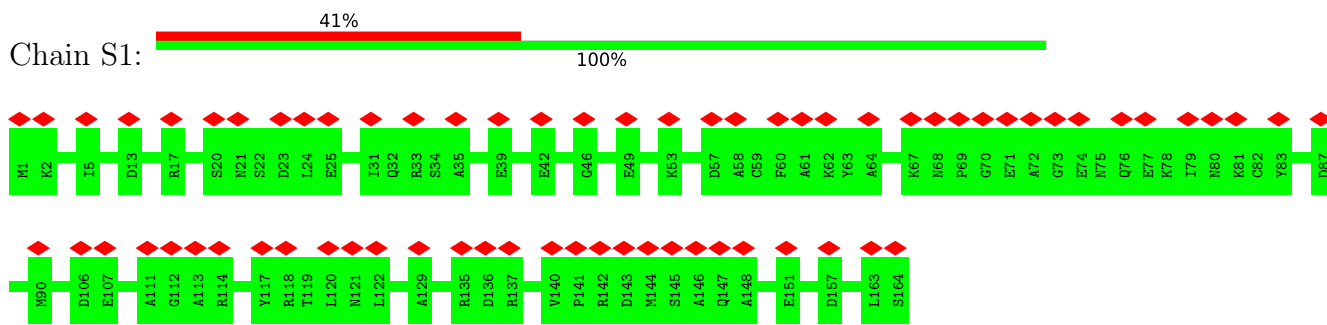
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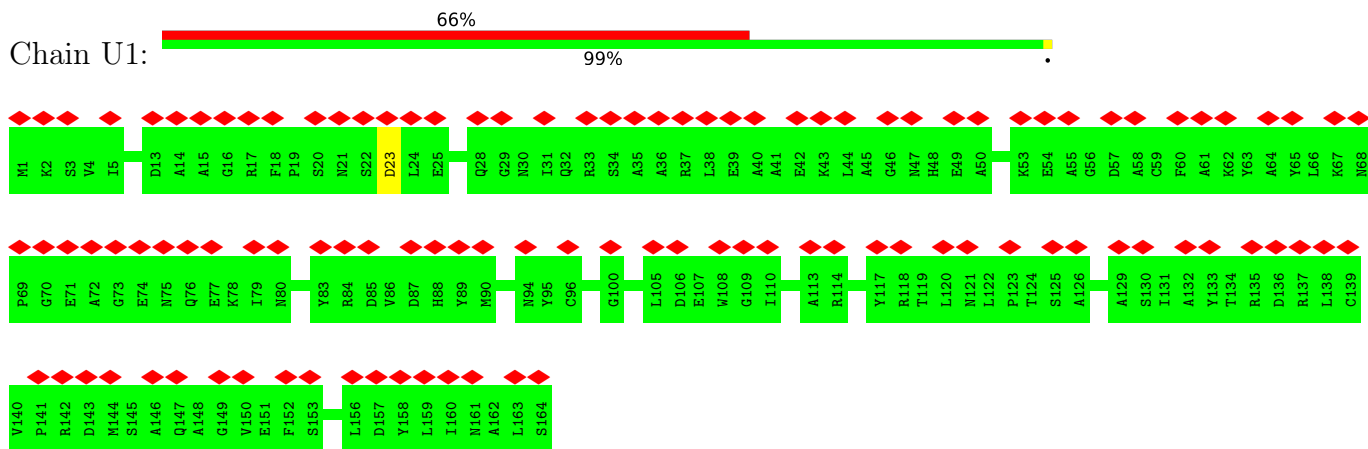
• Molecule 3: Phycoerythrin alpha subunit



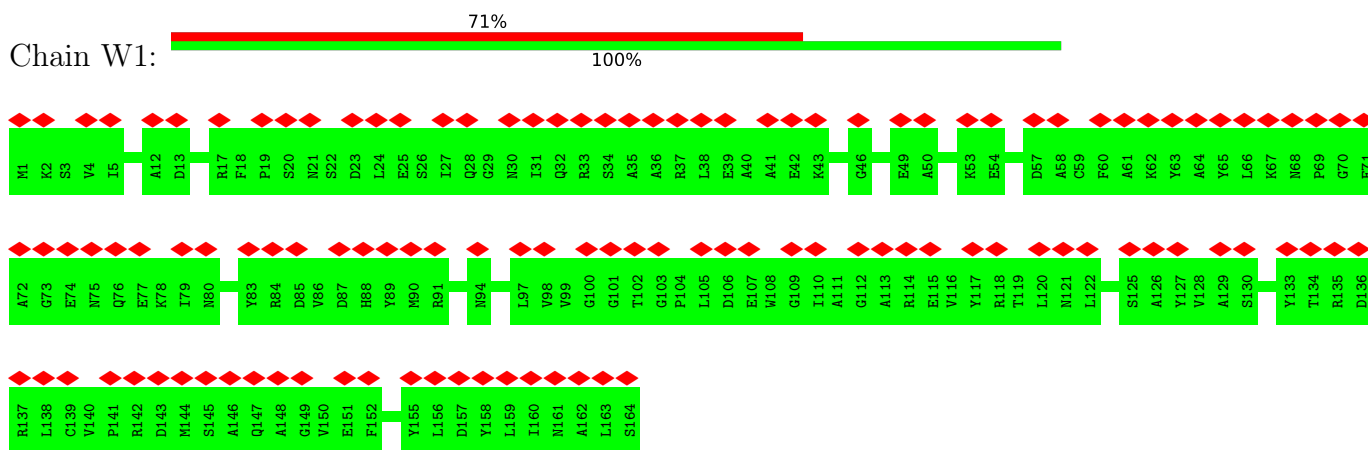
• Molecule 3: Phycoerythrin alpha subunit



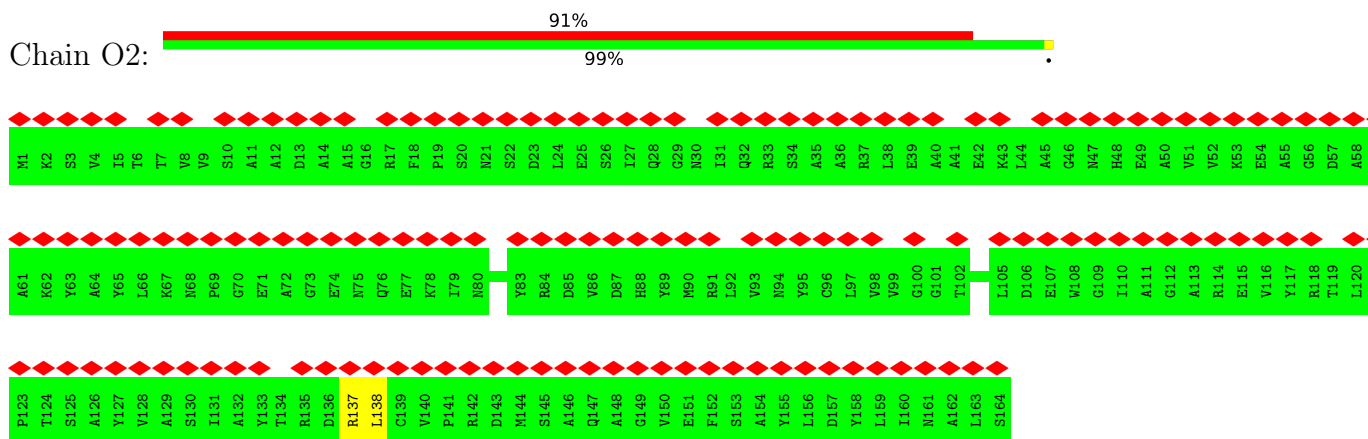
• Molecule 3: Phycoerythrin alpha subunit



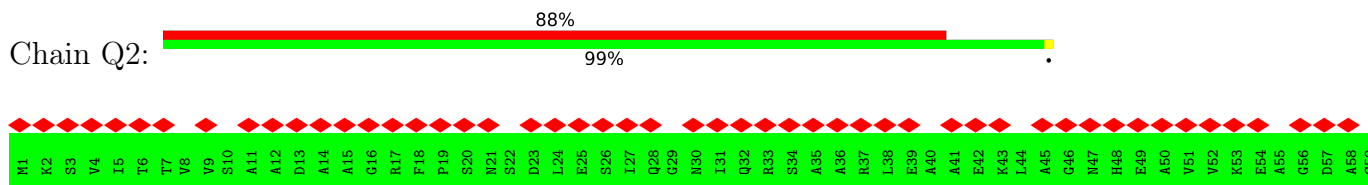
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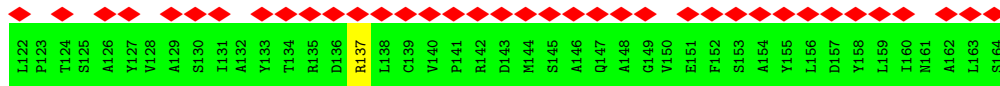
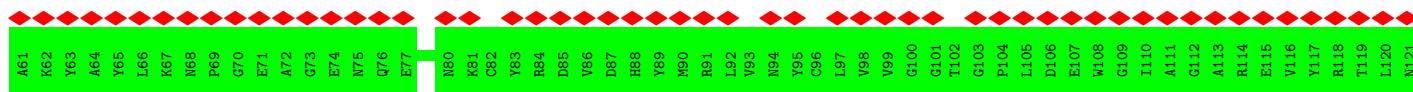


• Molecule 3: Phycoerythrin alpha subunit

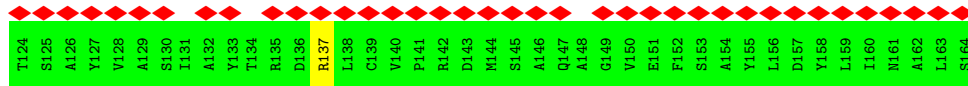
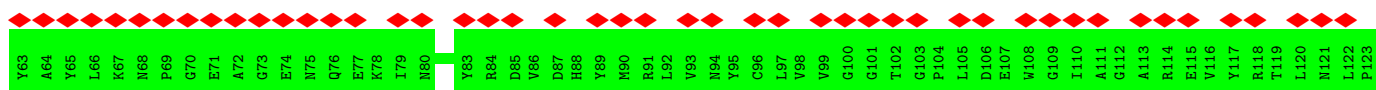
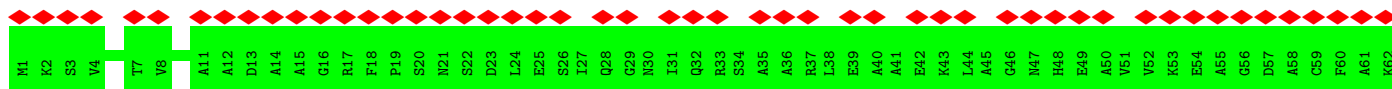


• Molecule 3: Phycoerythrin alpha subunit

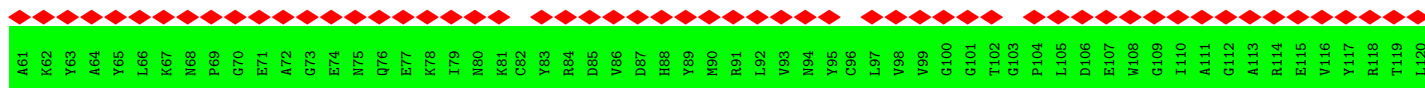
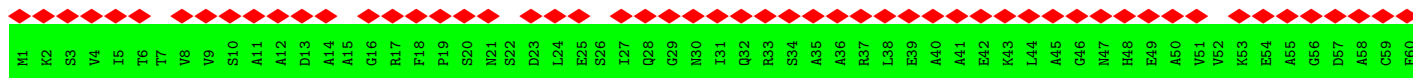




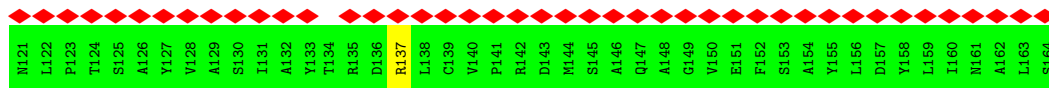
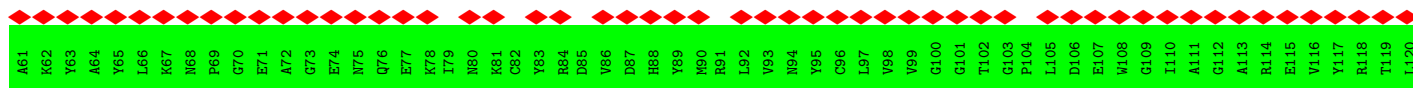
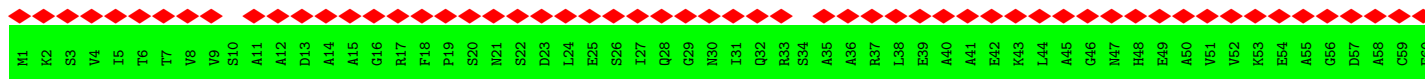
• Molecule 3: Phycoerythrin alpha subunit



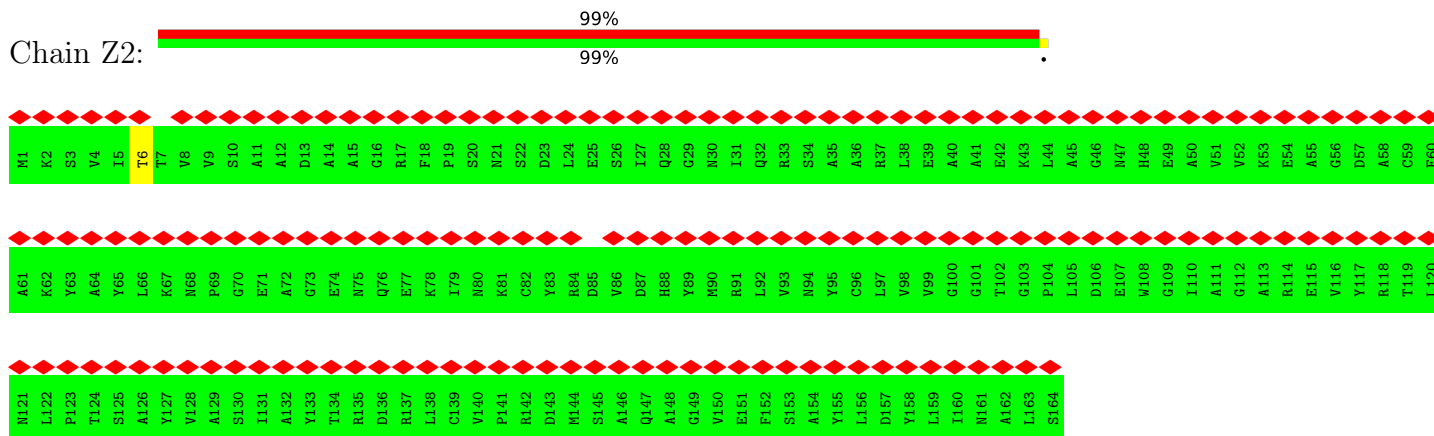
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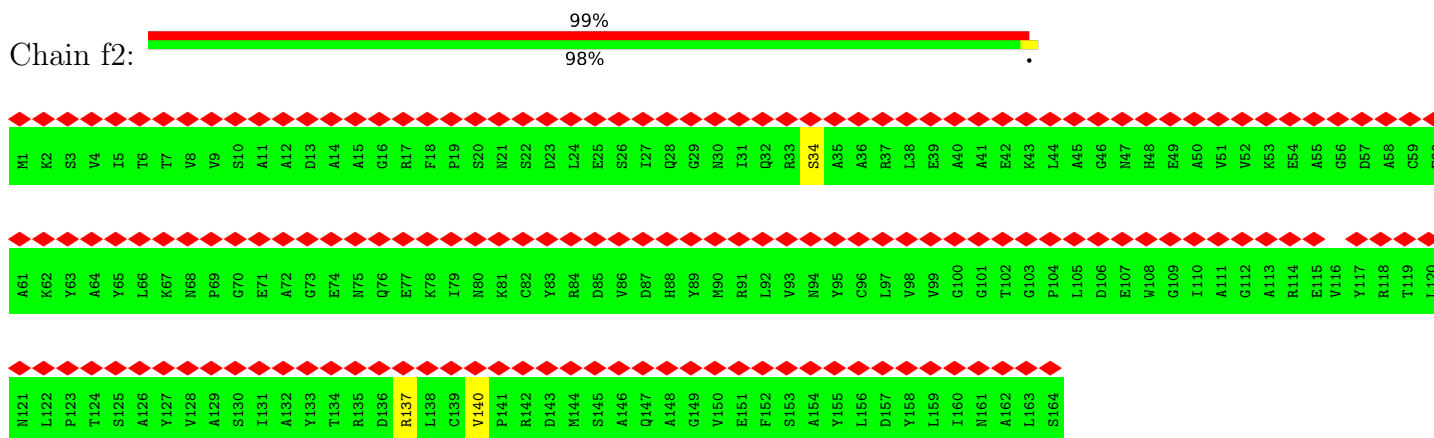
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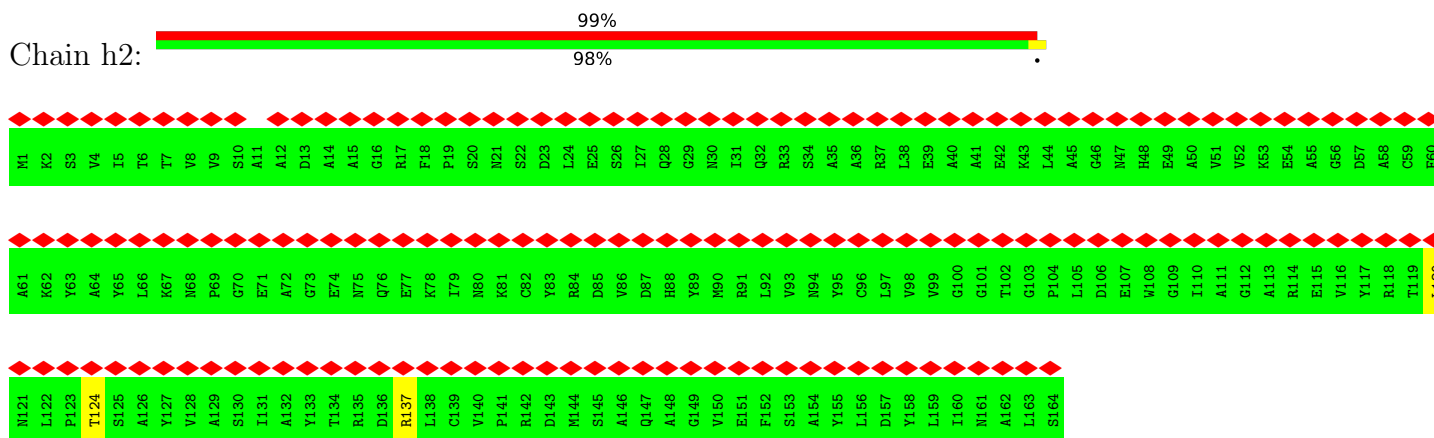
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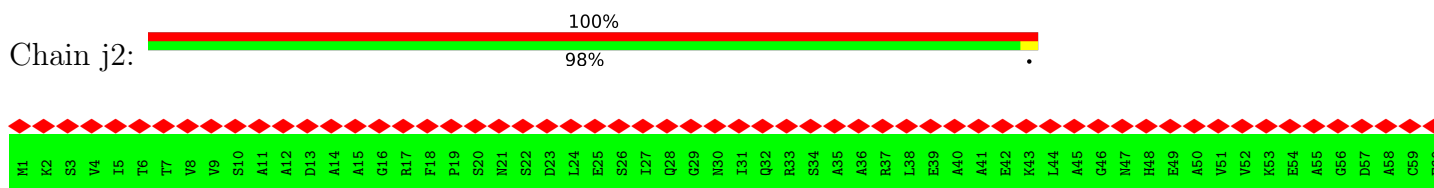
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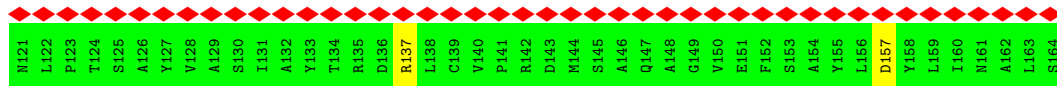
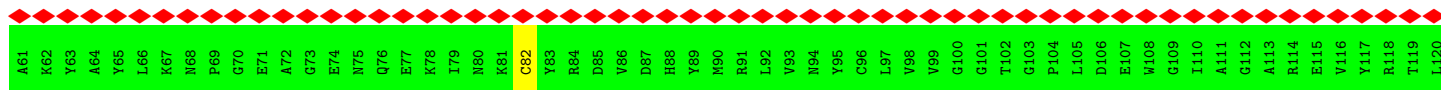


• Molecule 3: Phycoerythrin alpha subunit

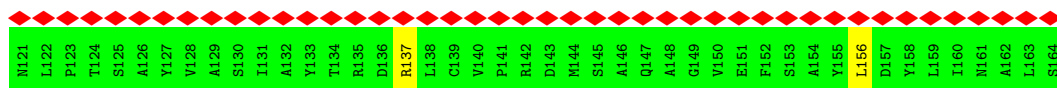
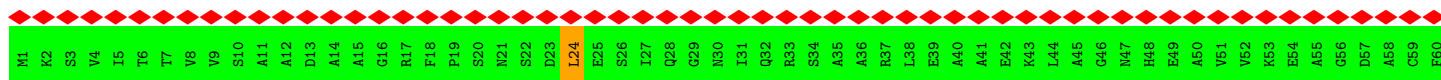


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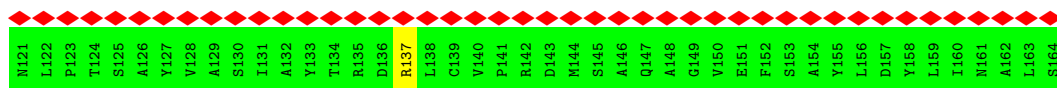
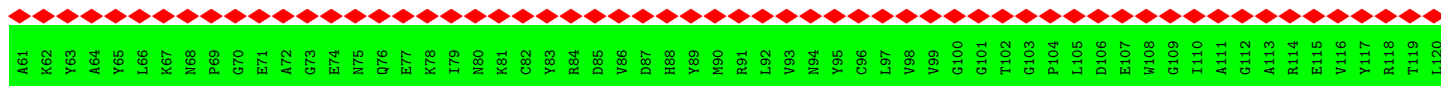
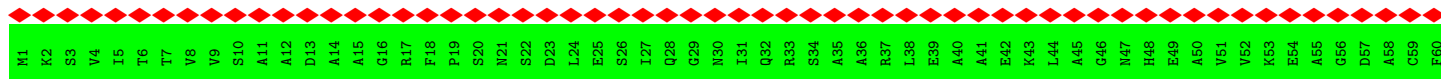




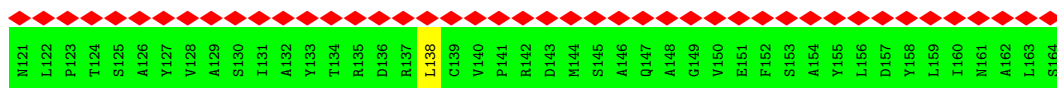
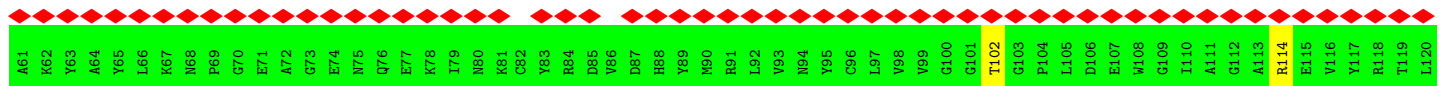
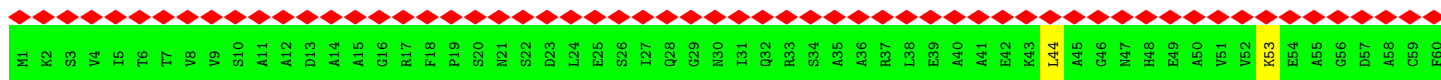
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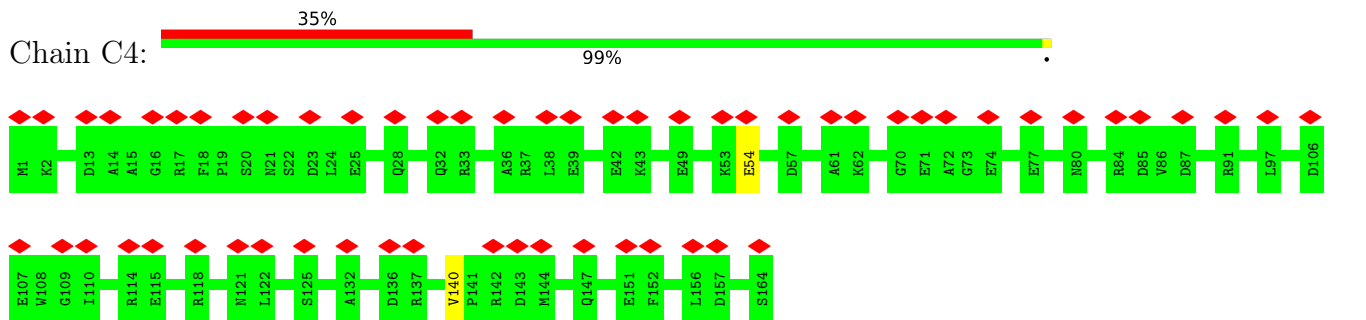
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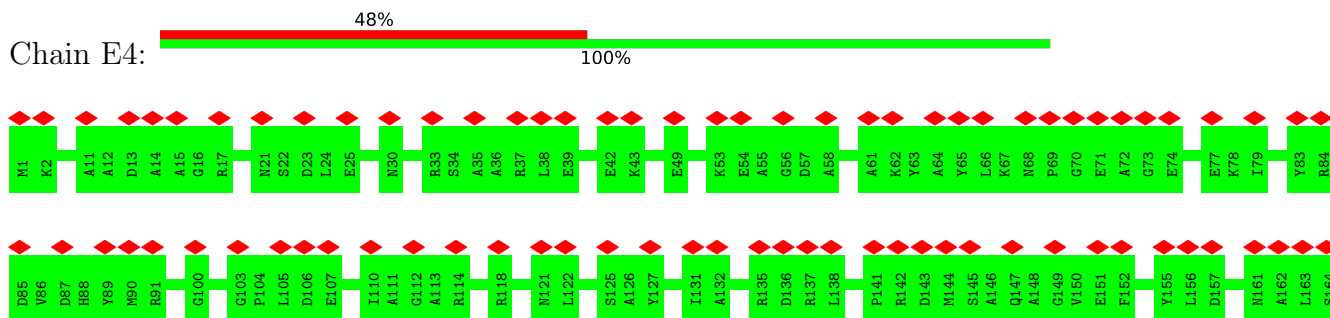
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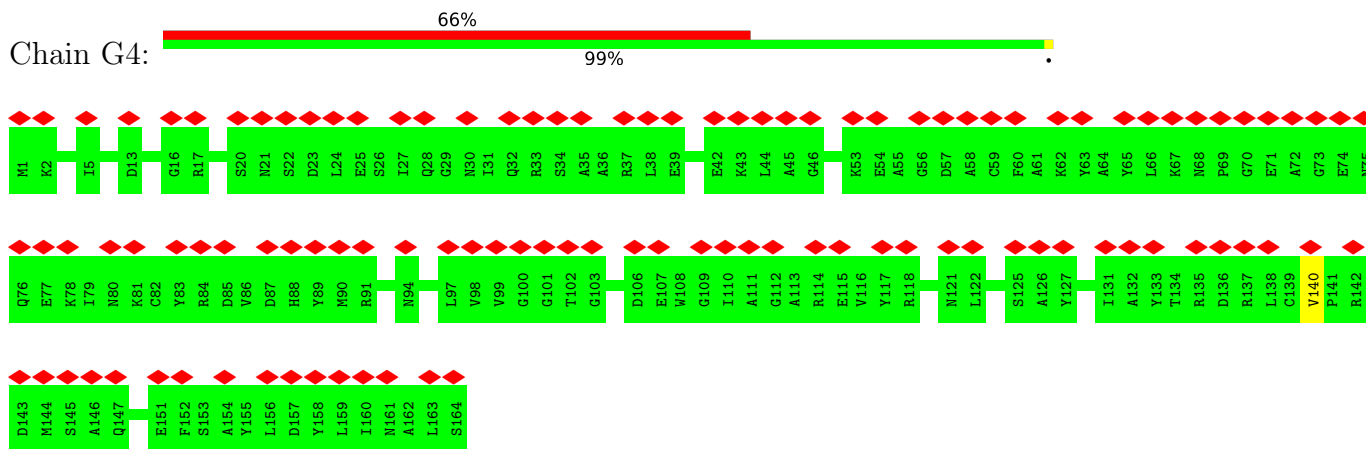
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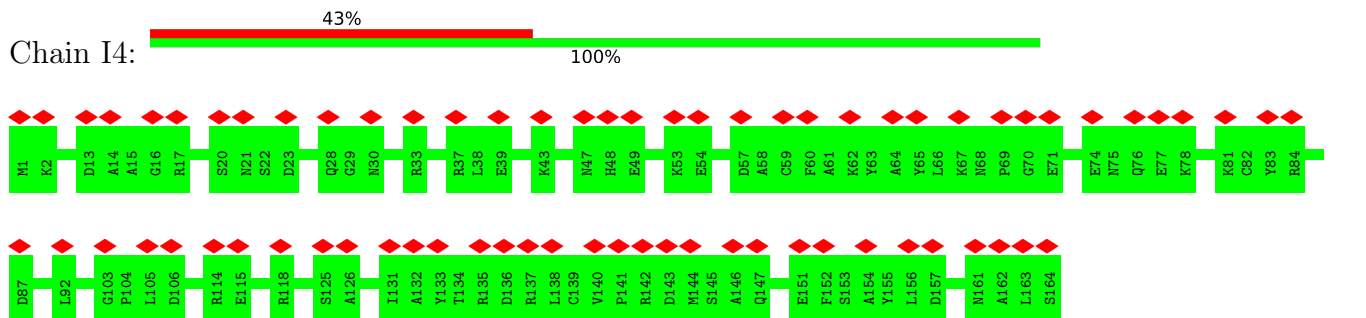
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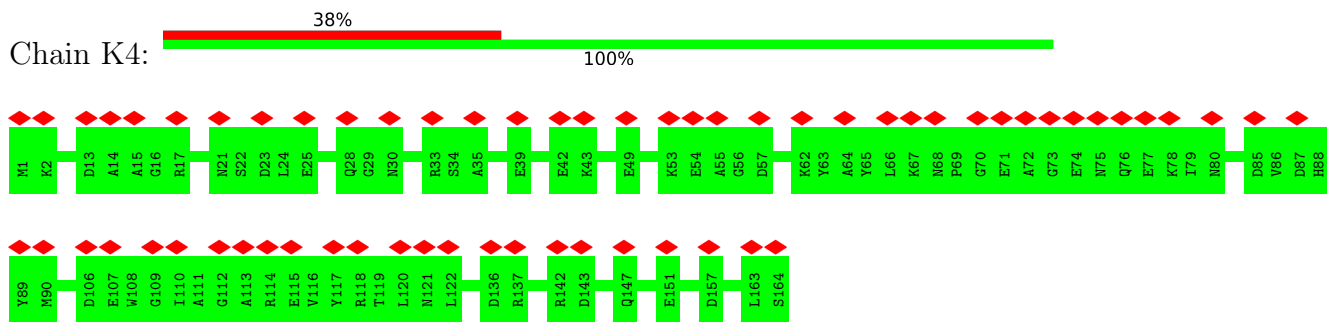
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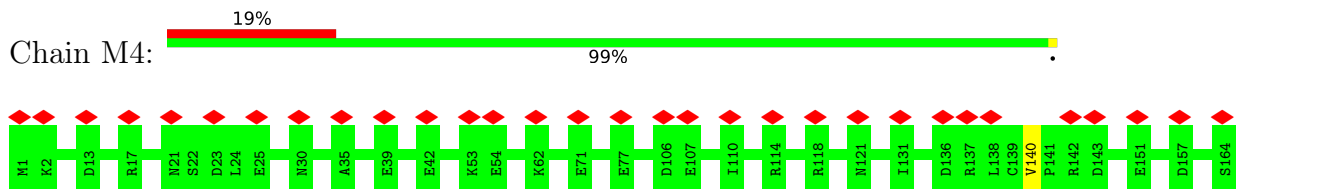
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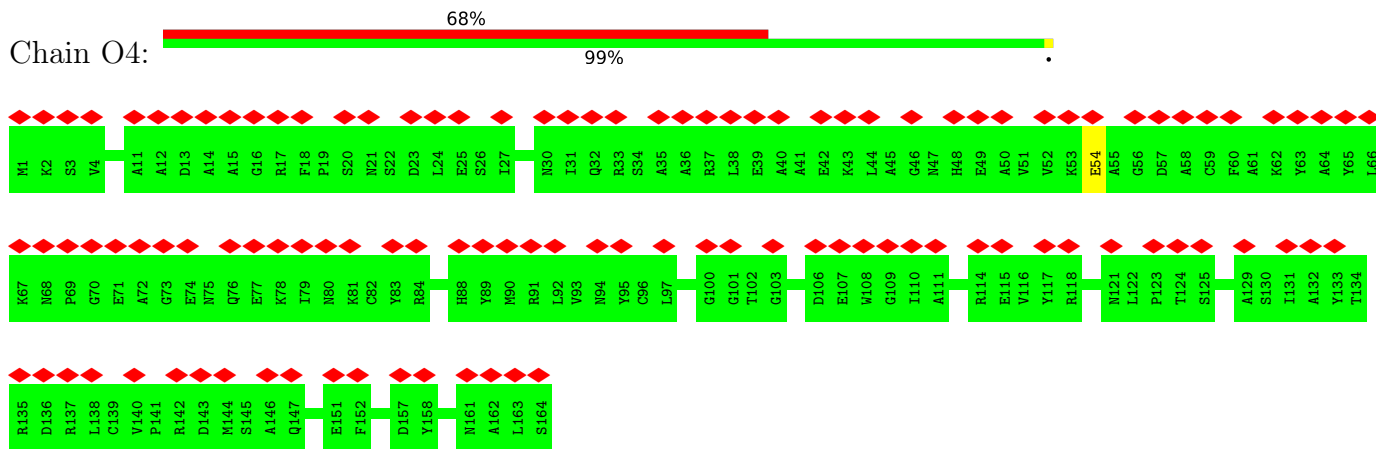
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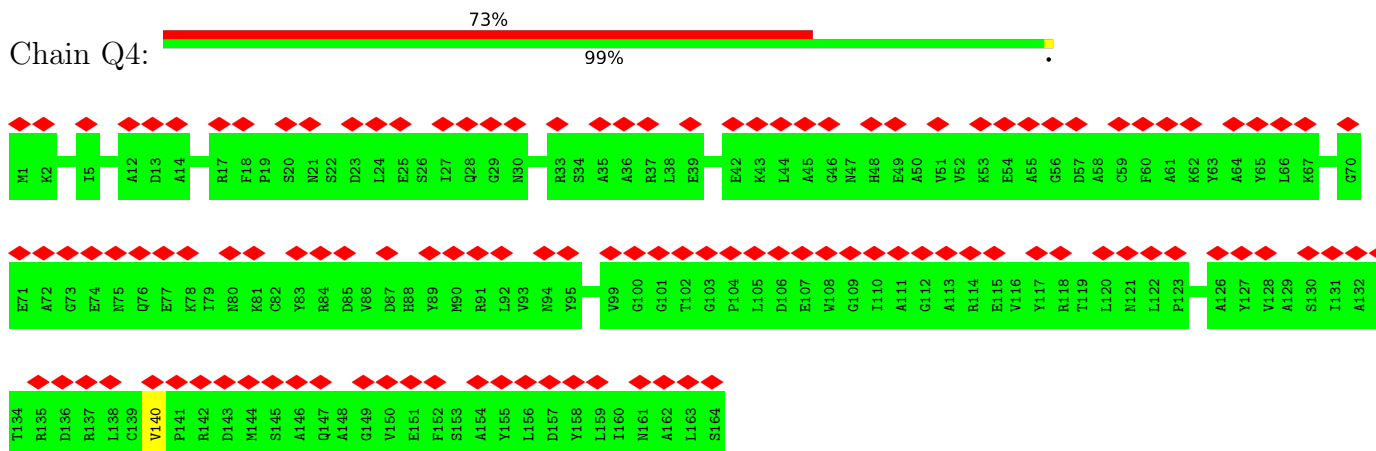
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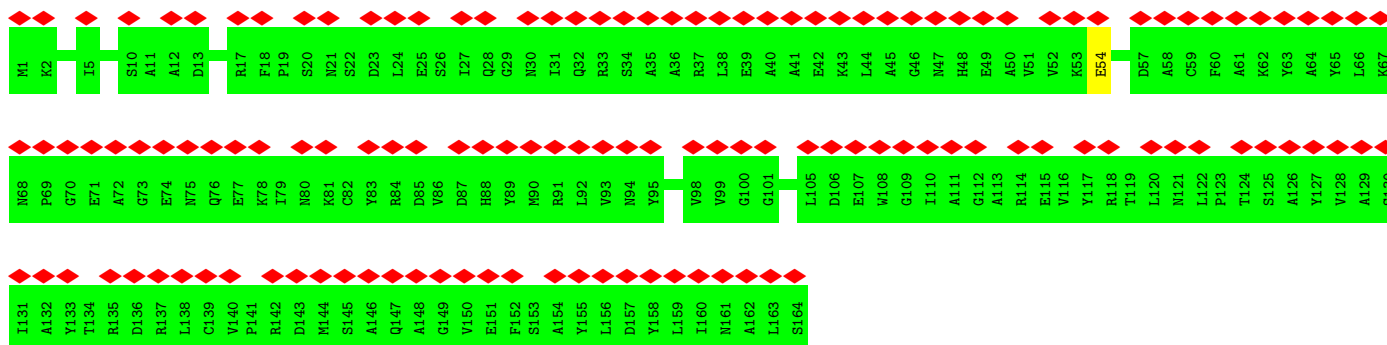


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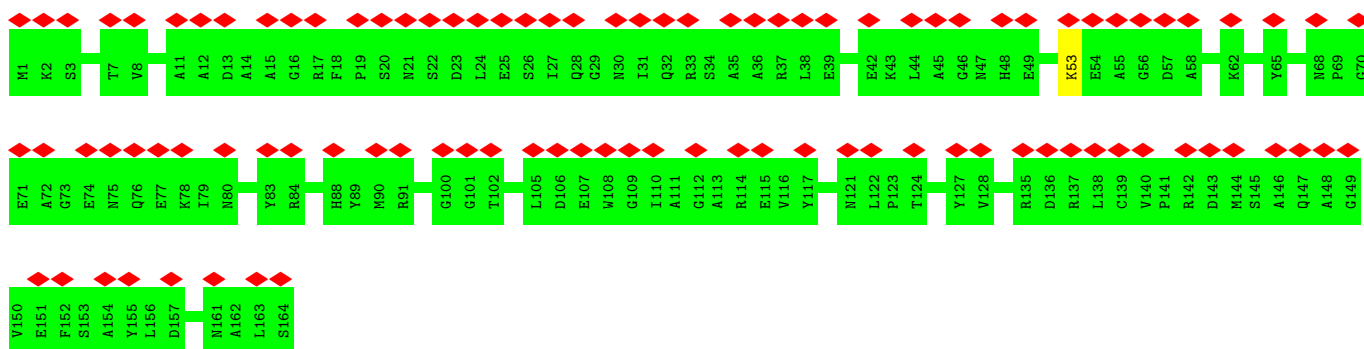


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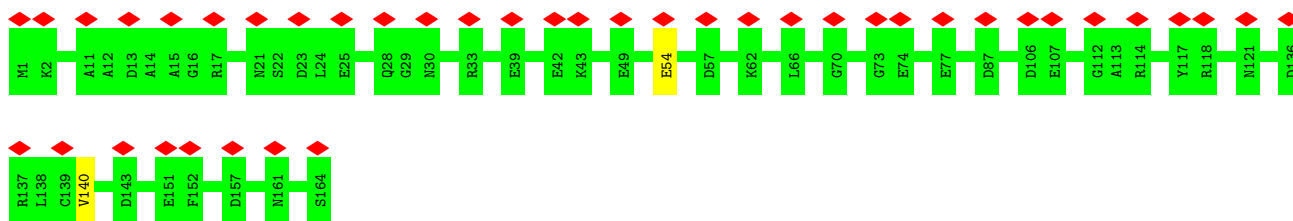




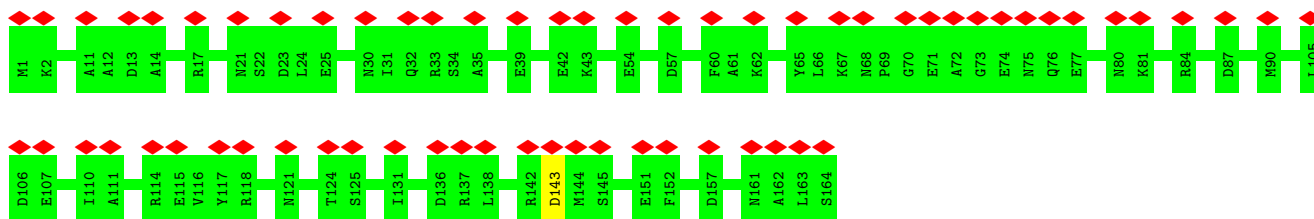
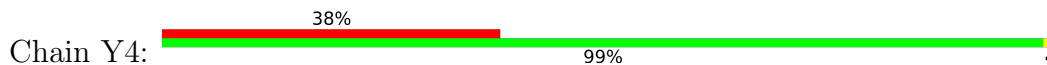
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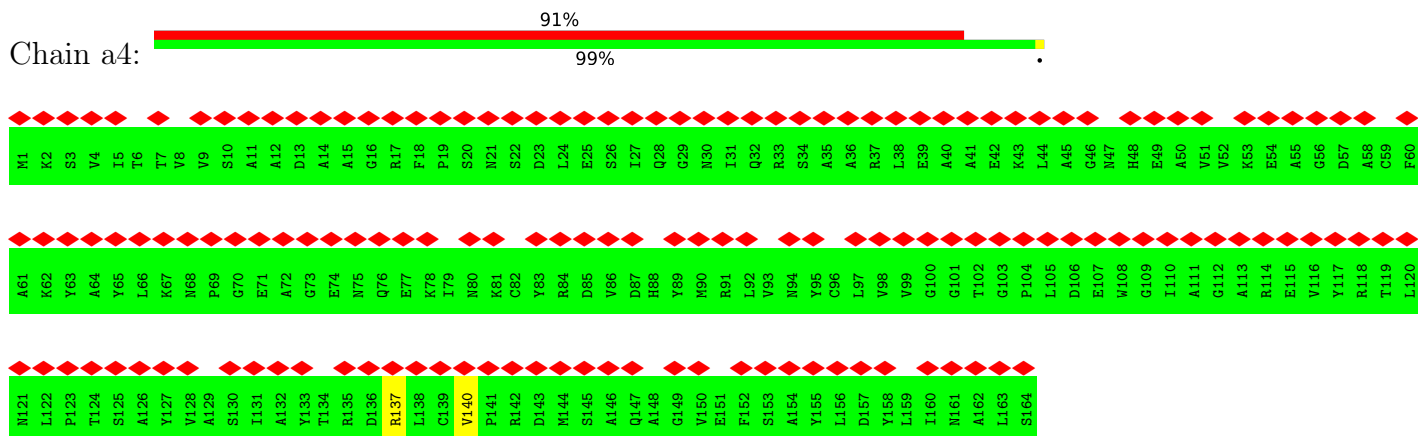
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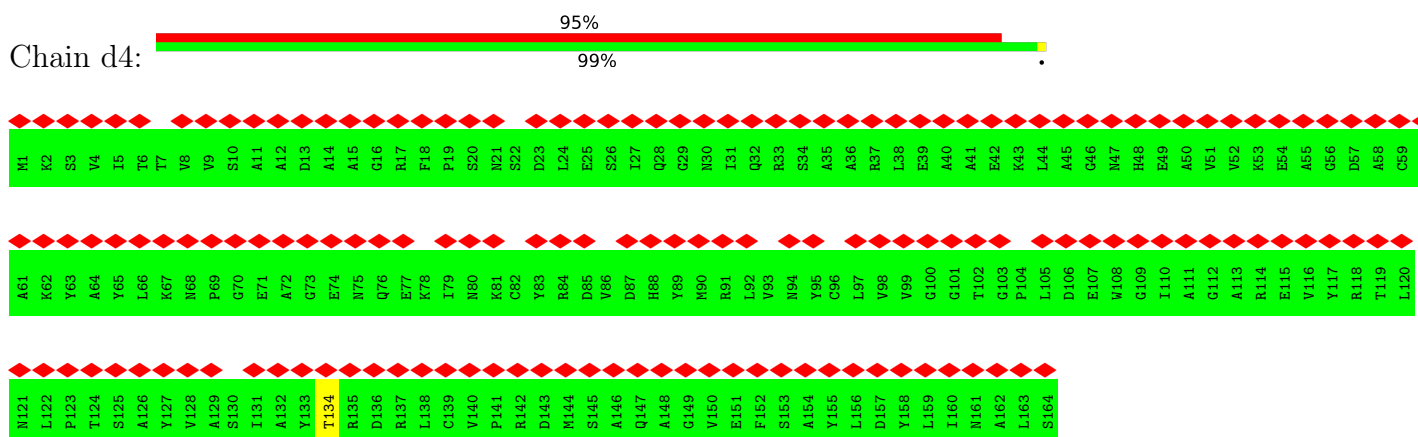
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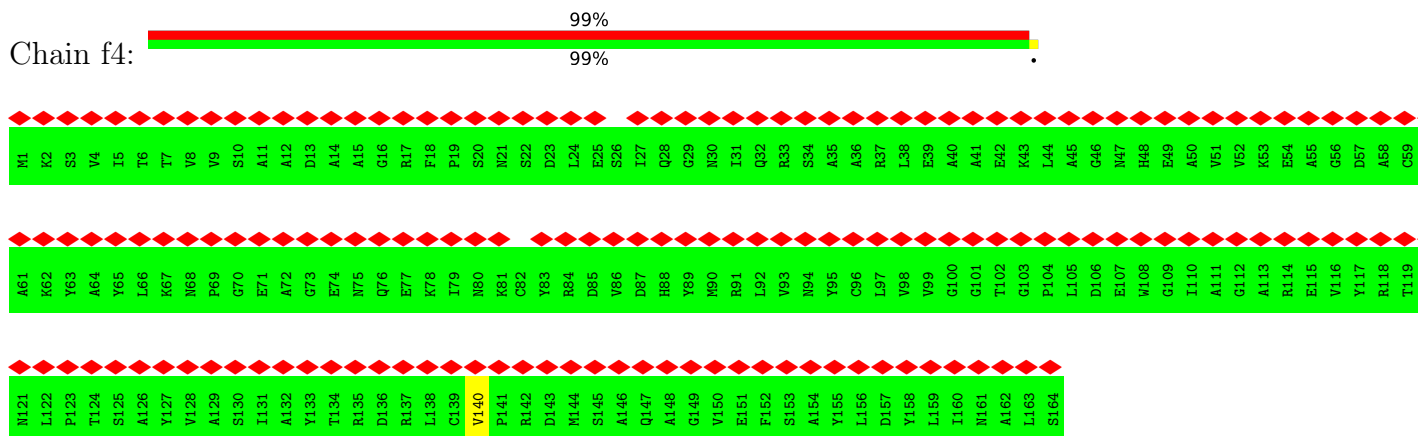
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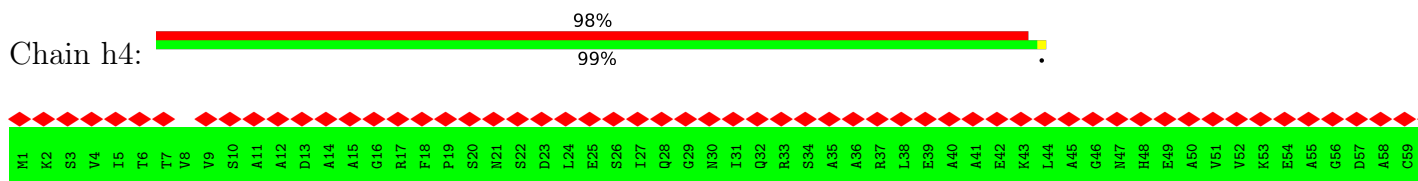
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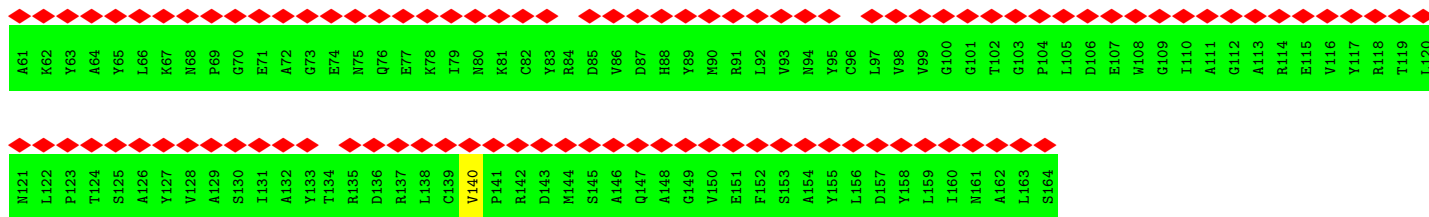


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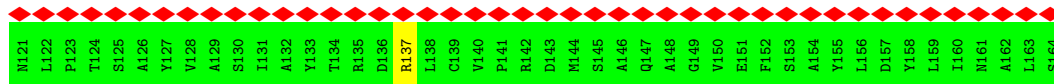
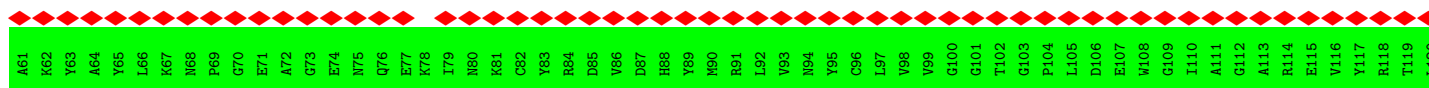
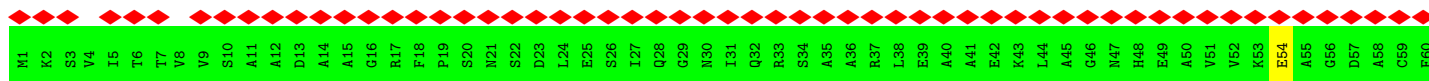


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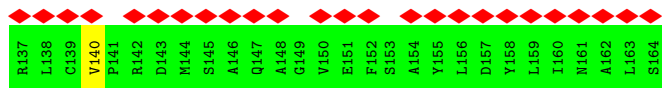
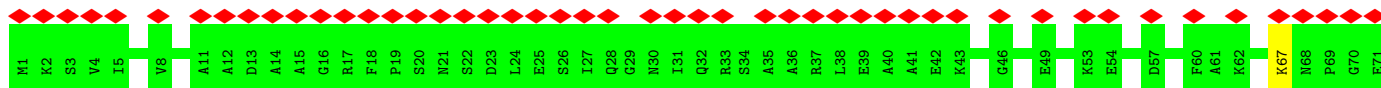
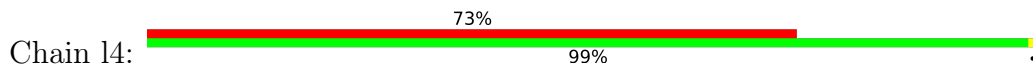




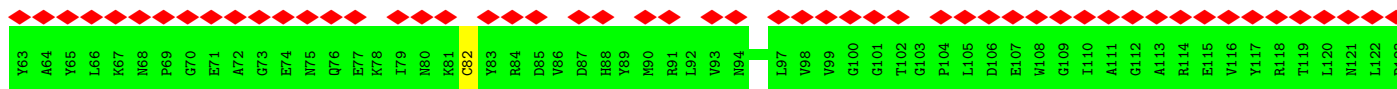
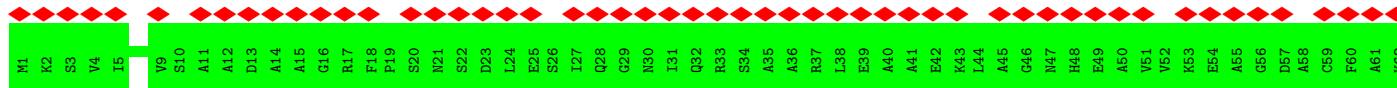
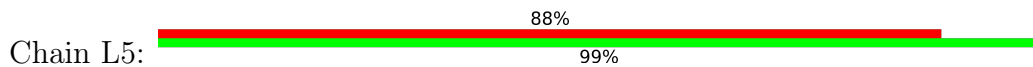
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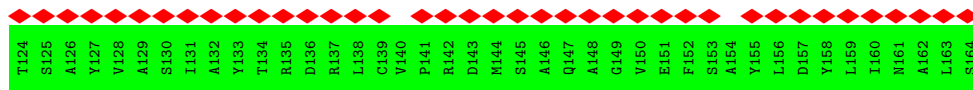


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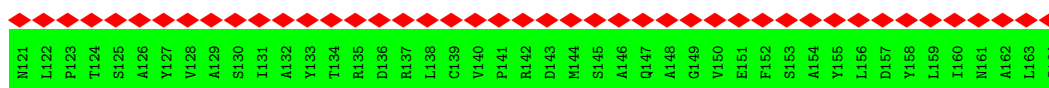
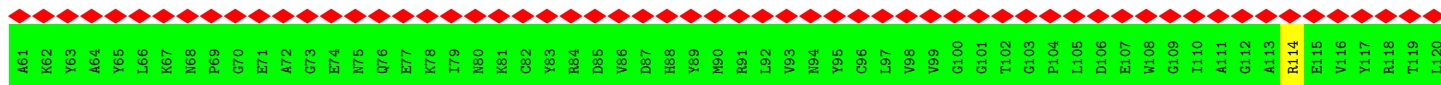
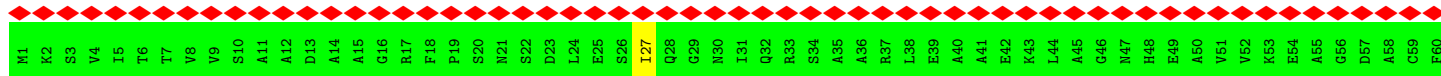


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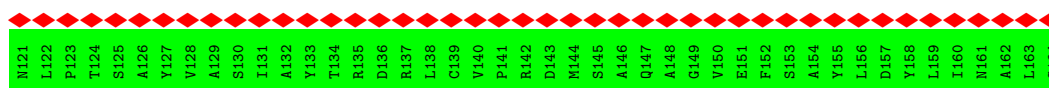
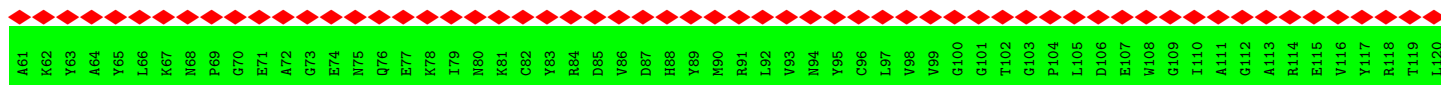
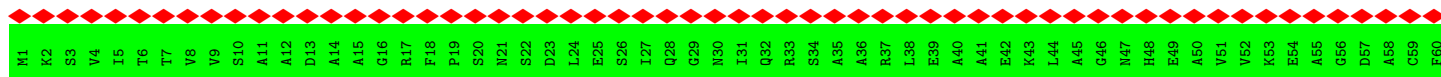




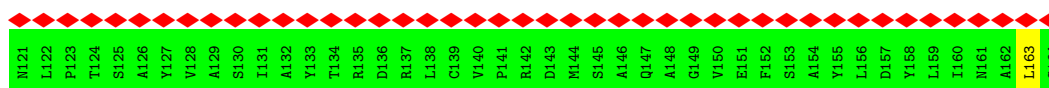
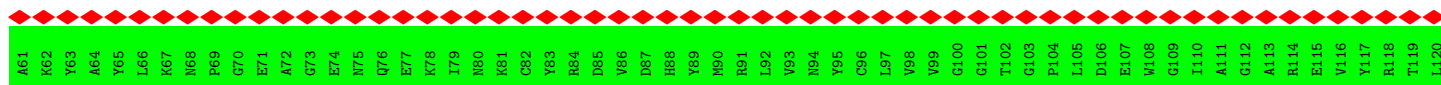
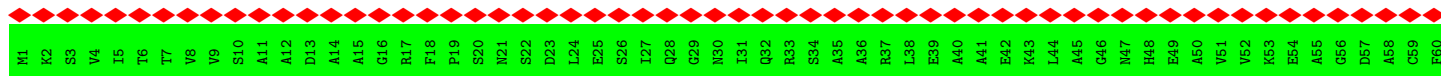
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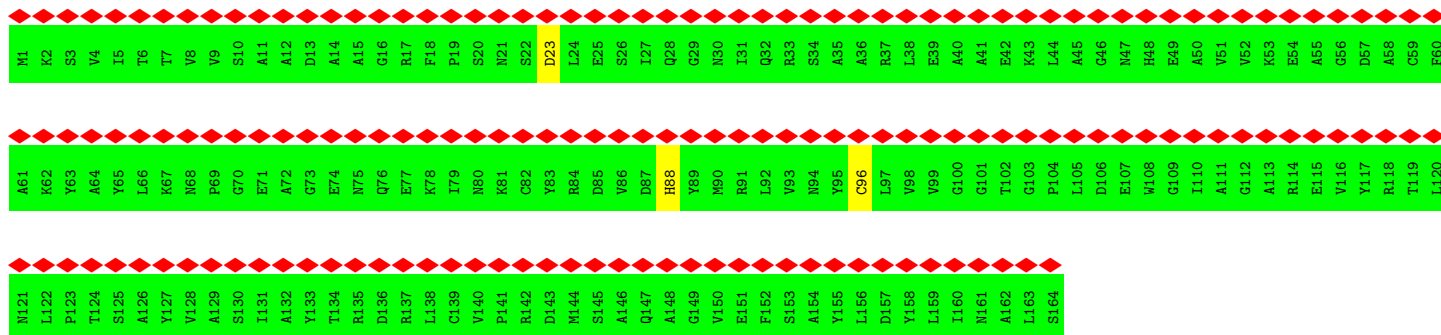


• Molecule 3: Phycoerythrin alpha subunit

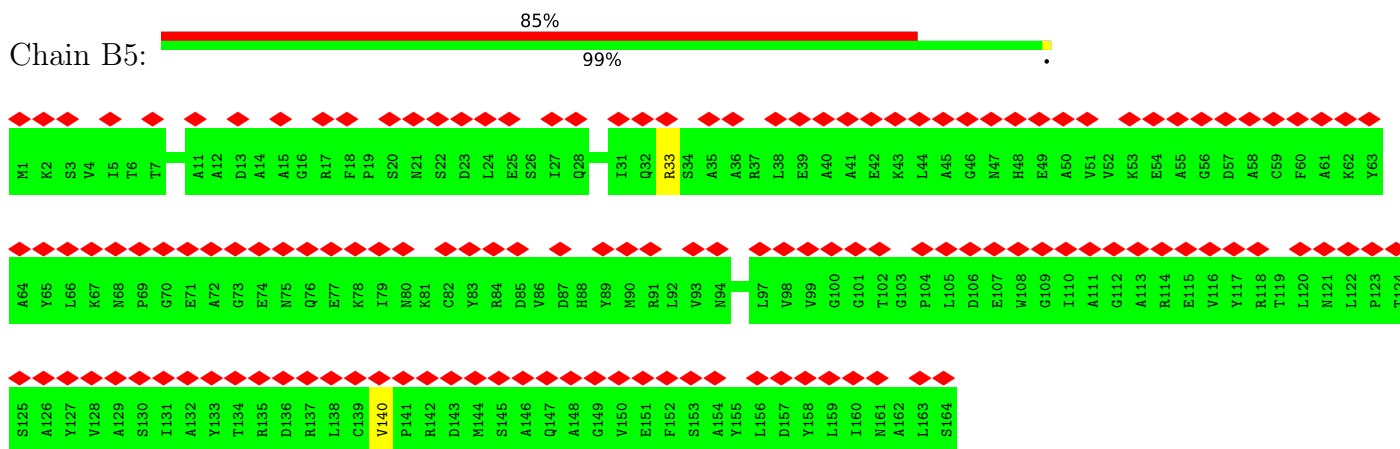


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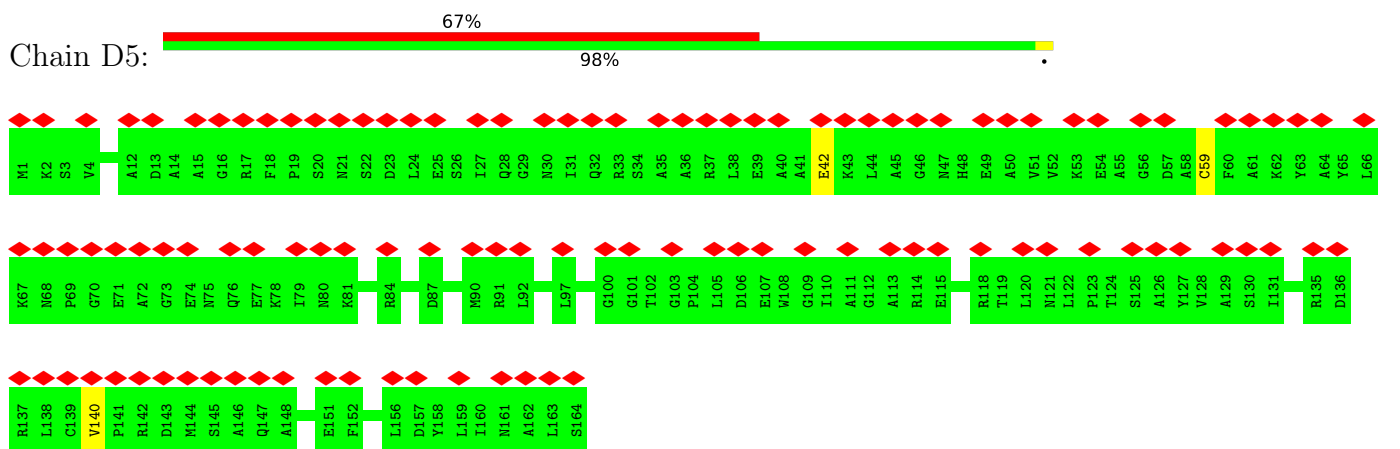




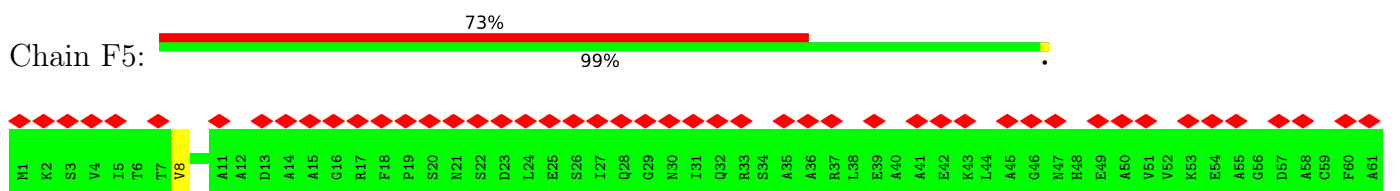
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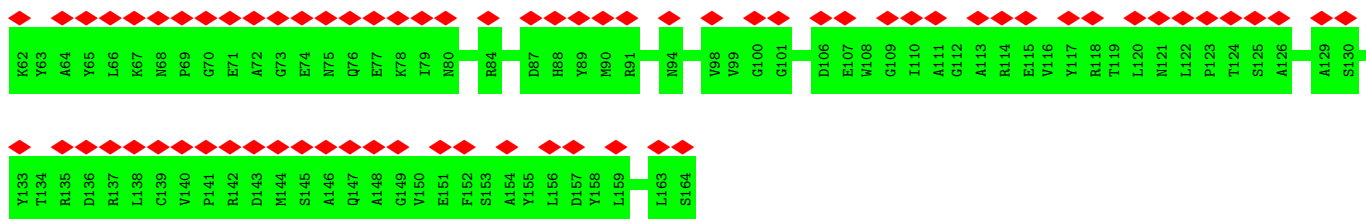


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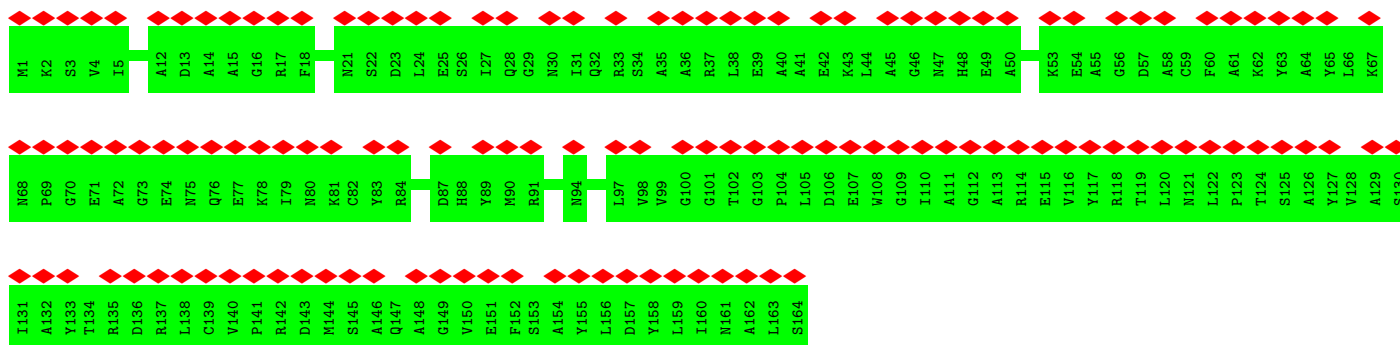
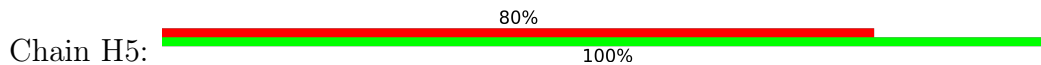


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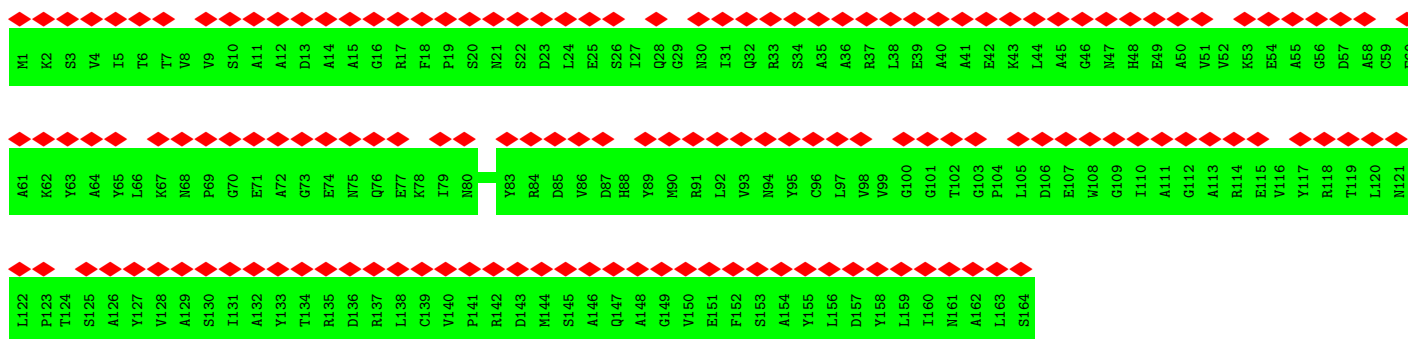




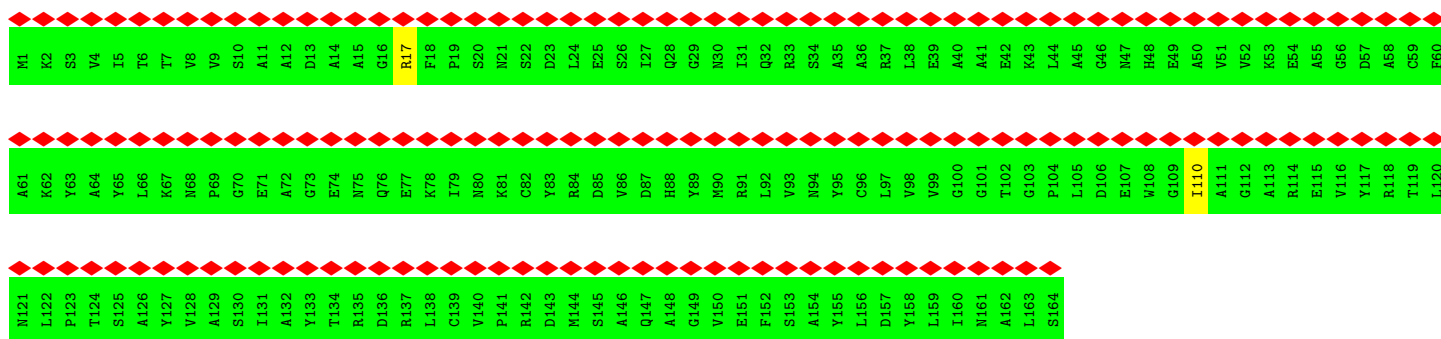
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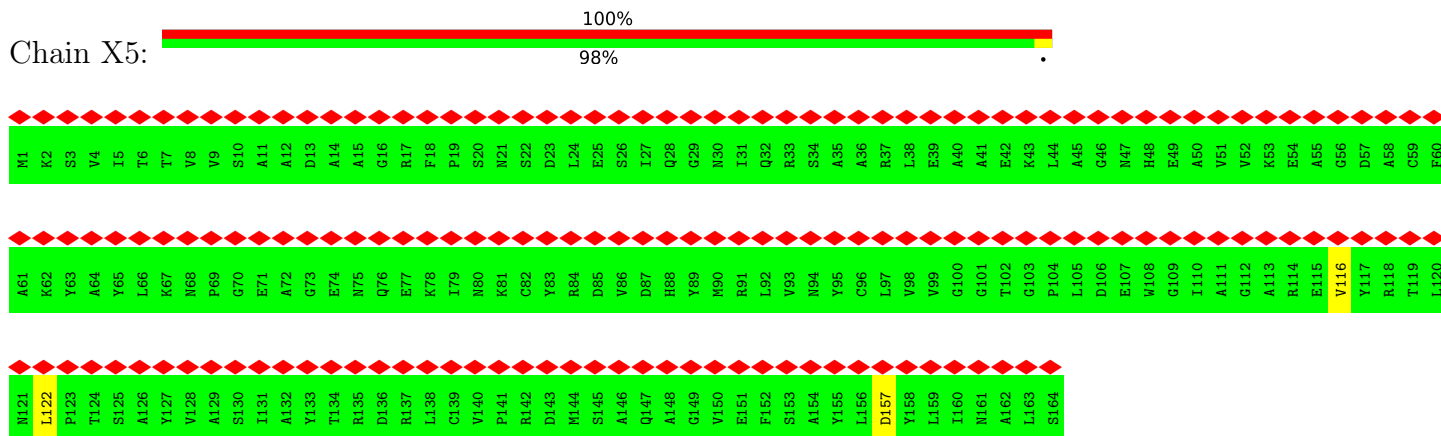
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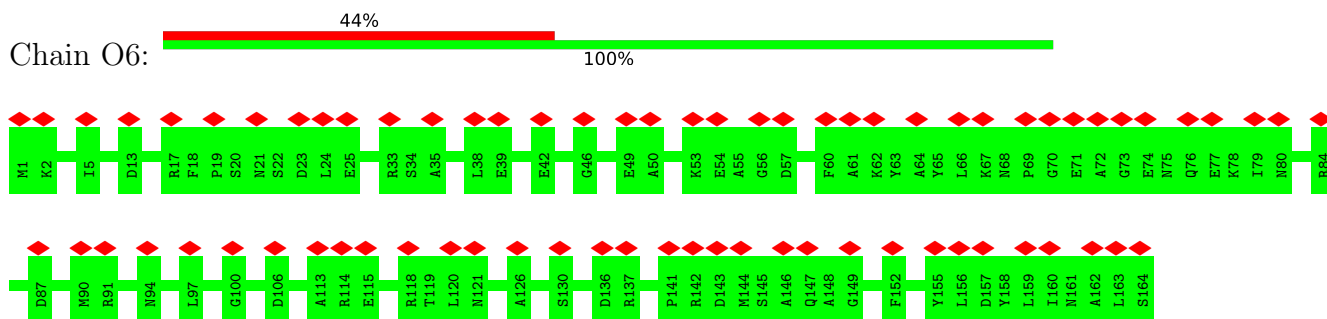
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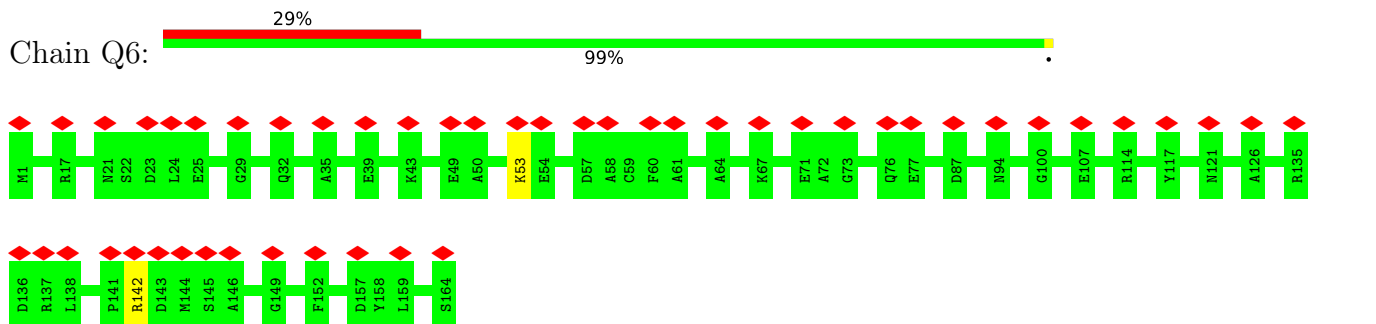
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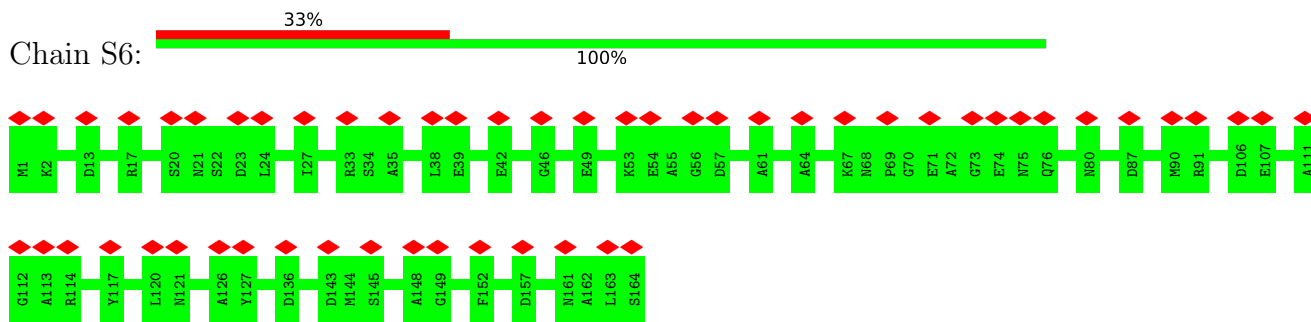
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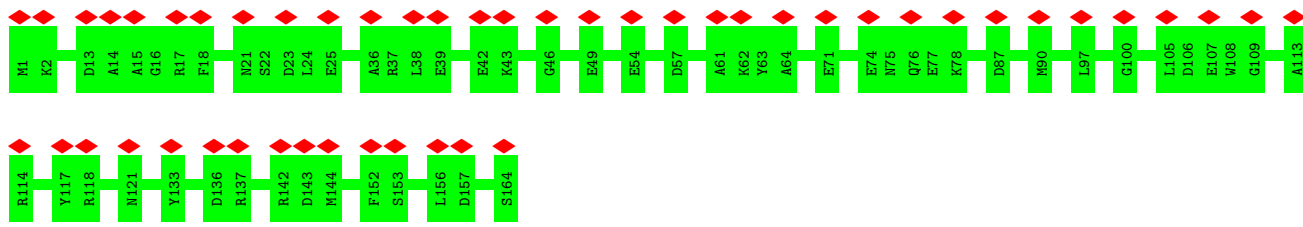
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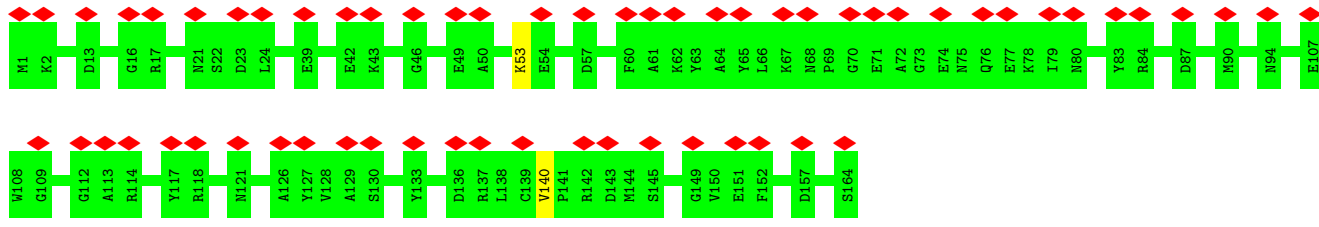
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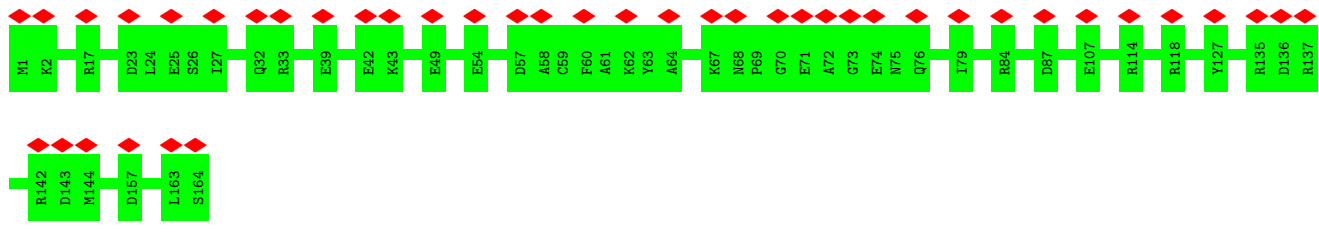
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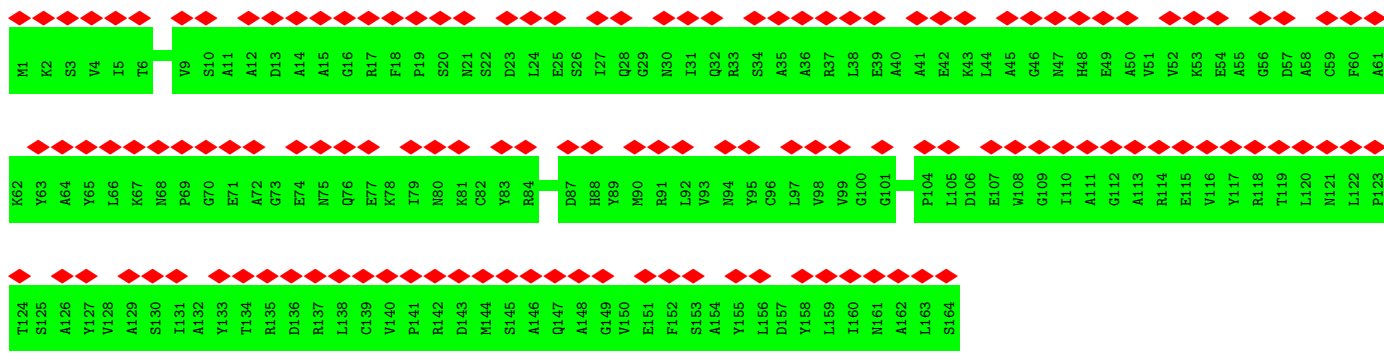
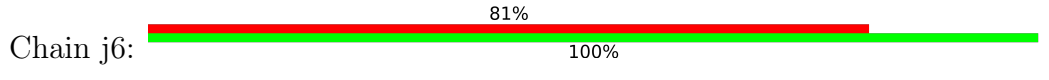
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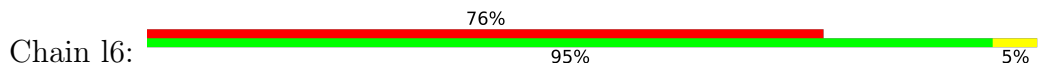
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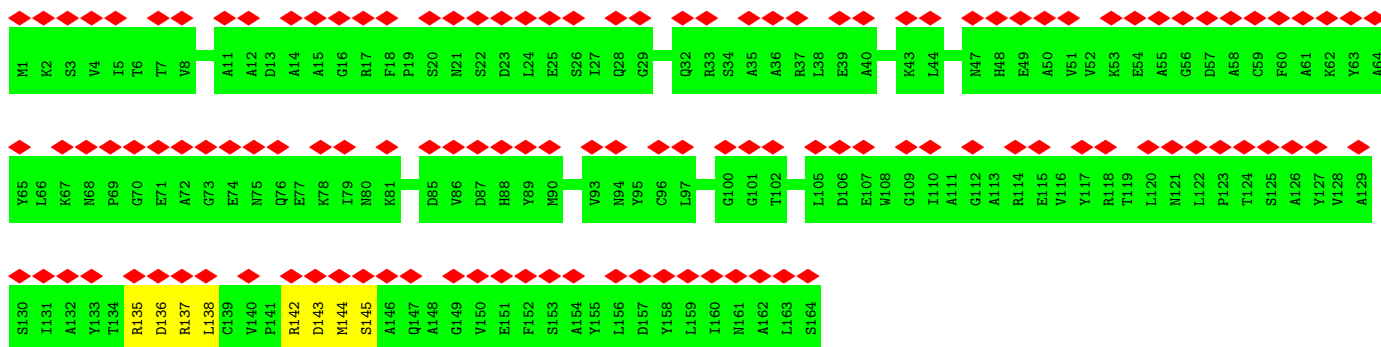


• Molecule 3: Phycoerythrin alpha subunit

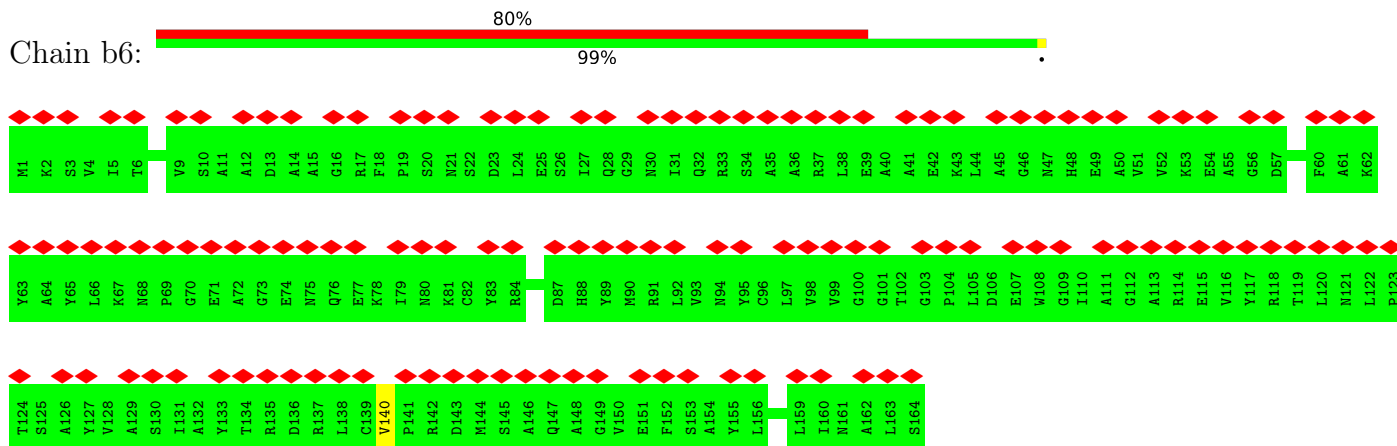


• Molecule 3: Phycoerythrin alpha subunit

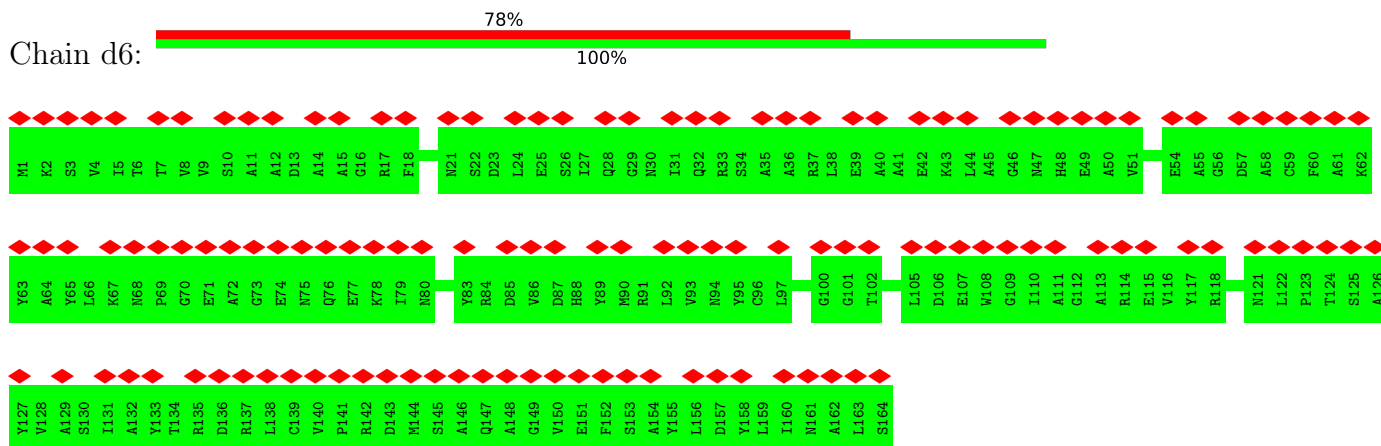




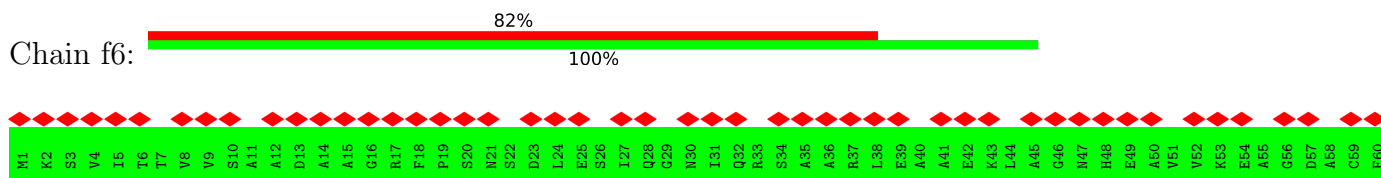
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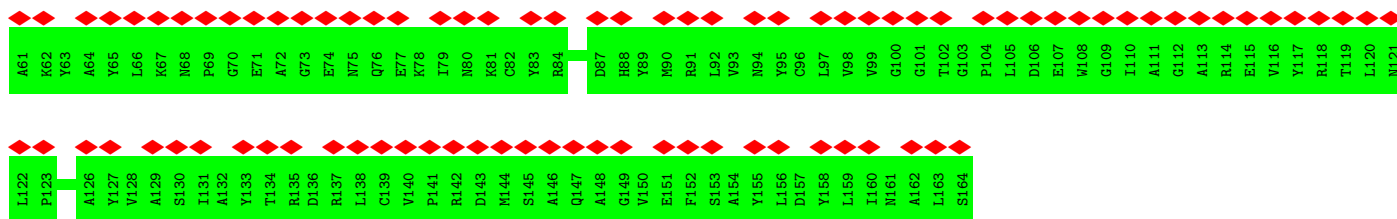


• Molecule 3: Phycoerythrin alpha subunit

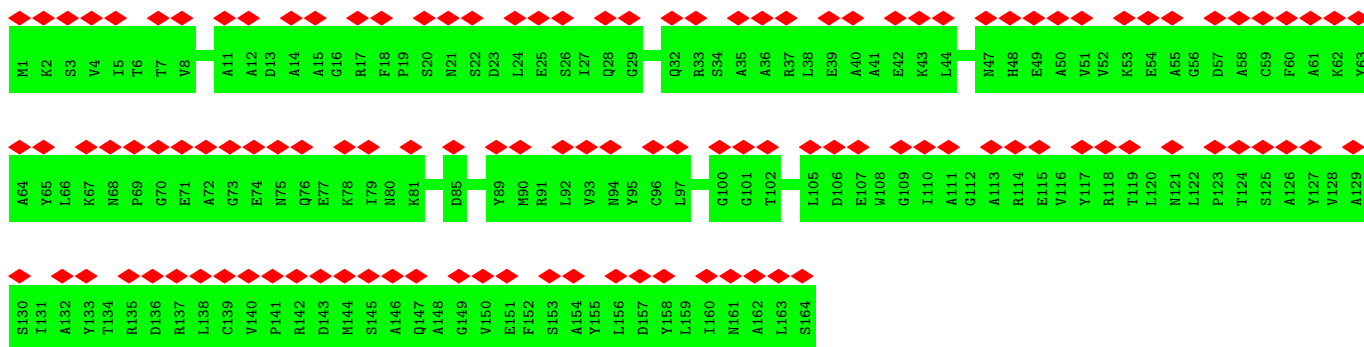
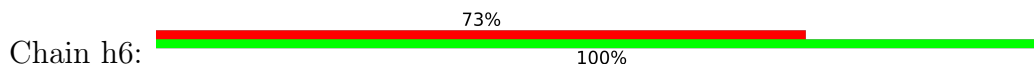


• Molecule 3: Phycoerythrin alpha subunit

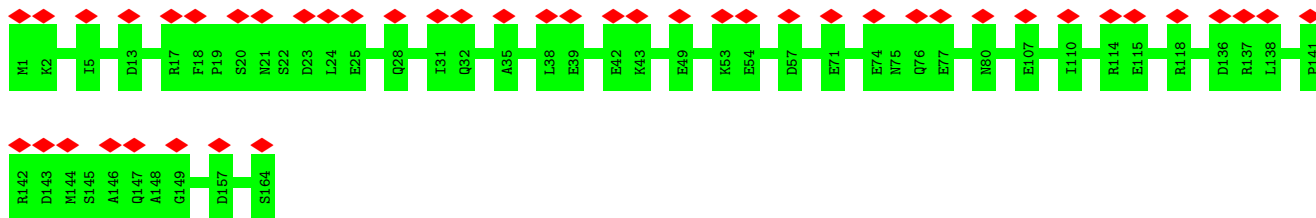




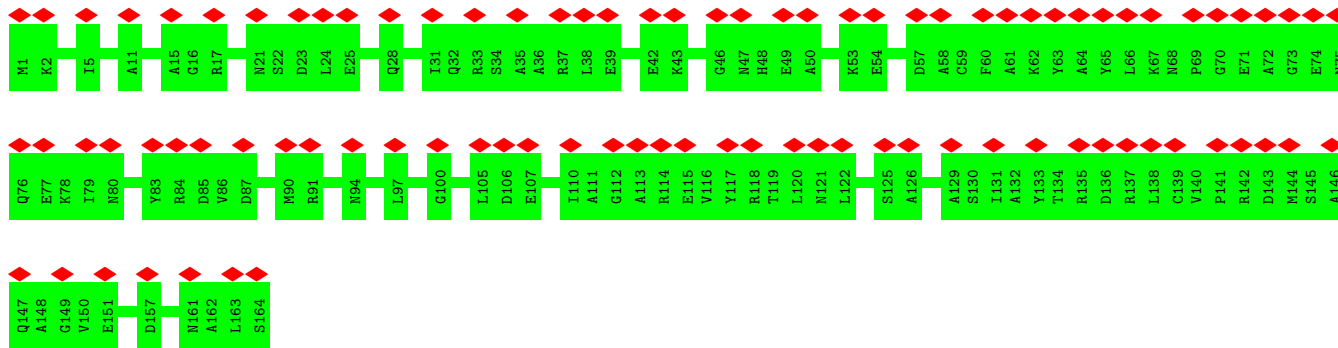
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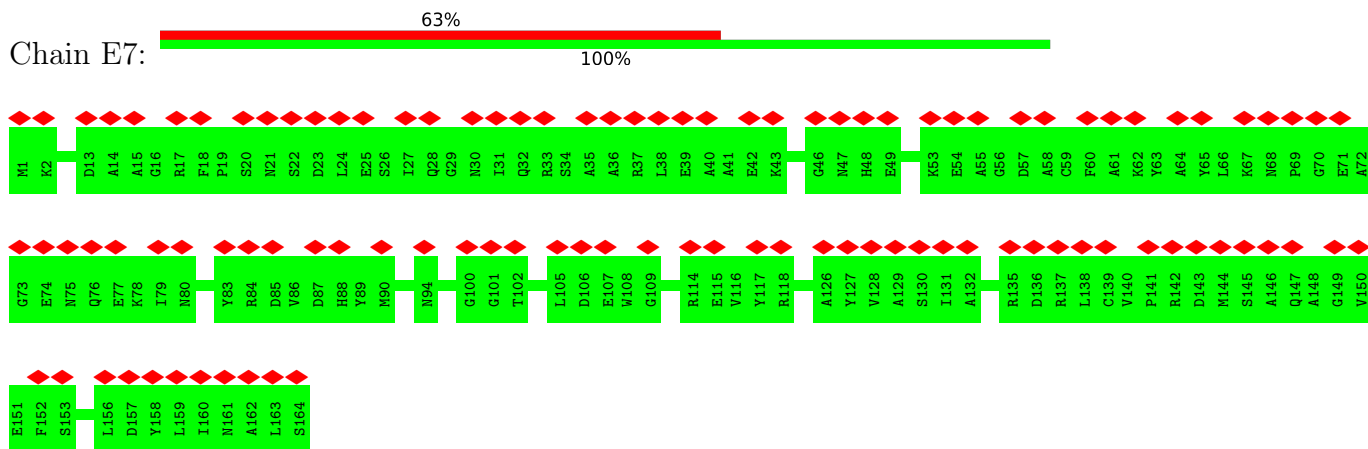
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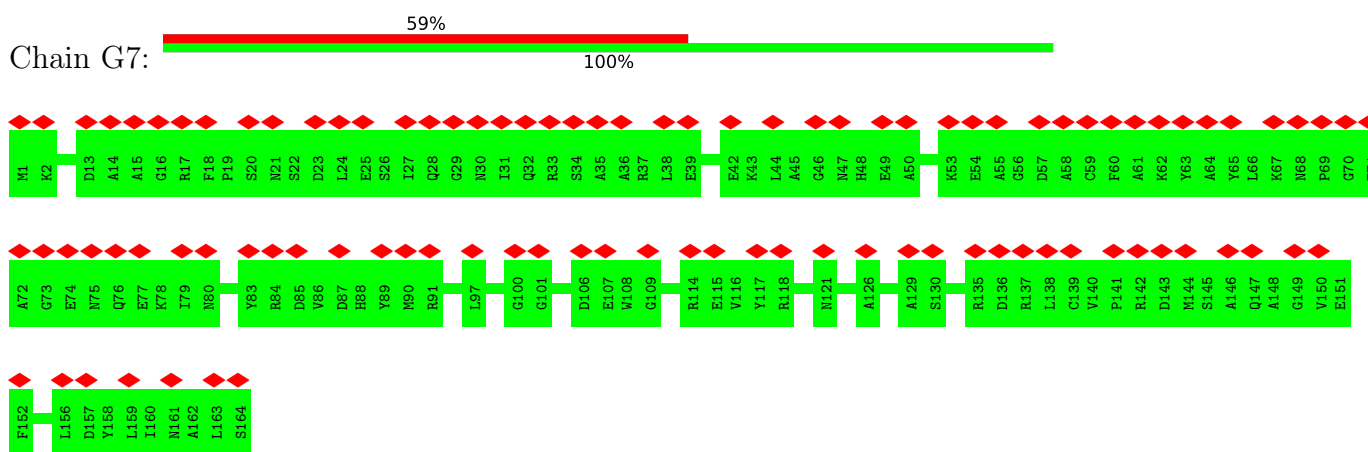
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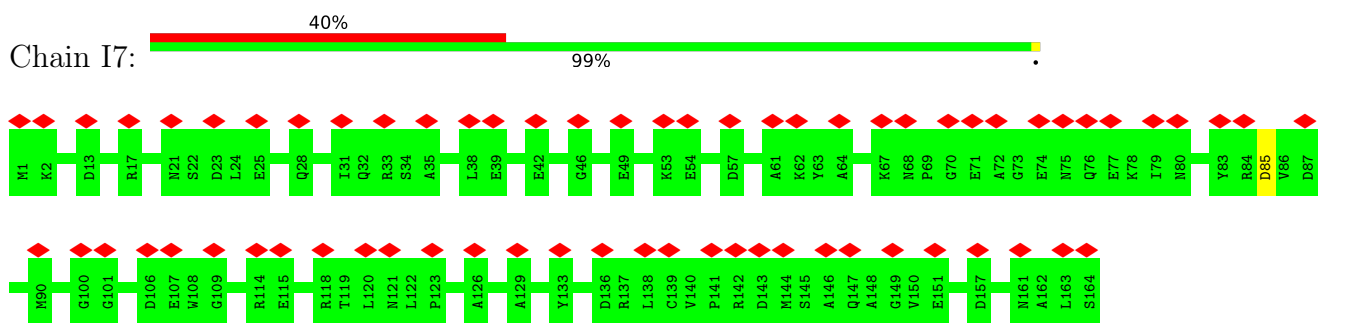
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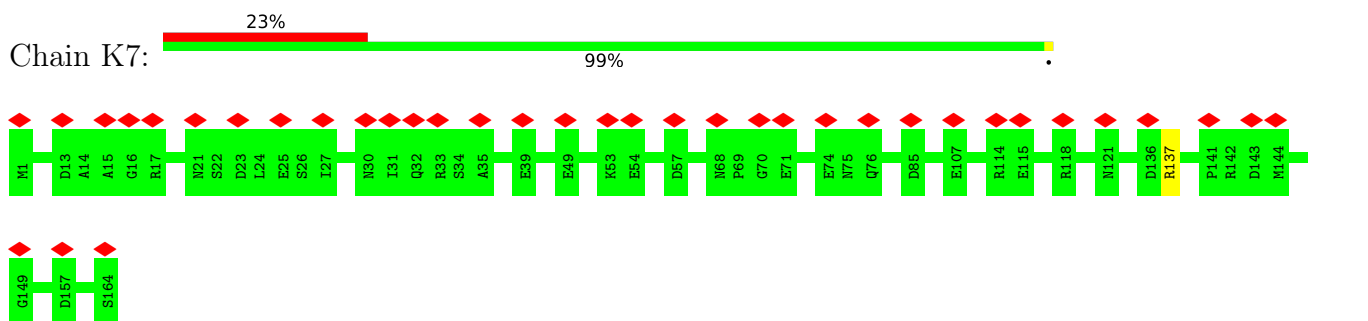
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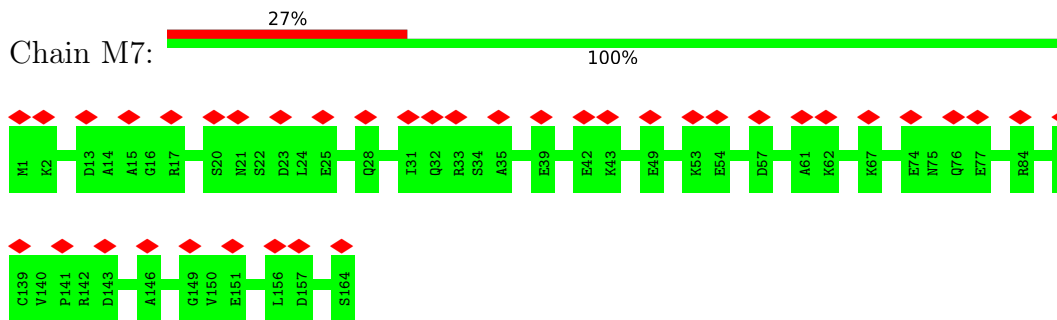
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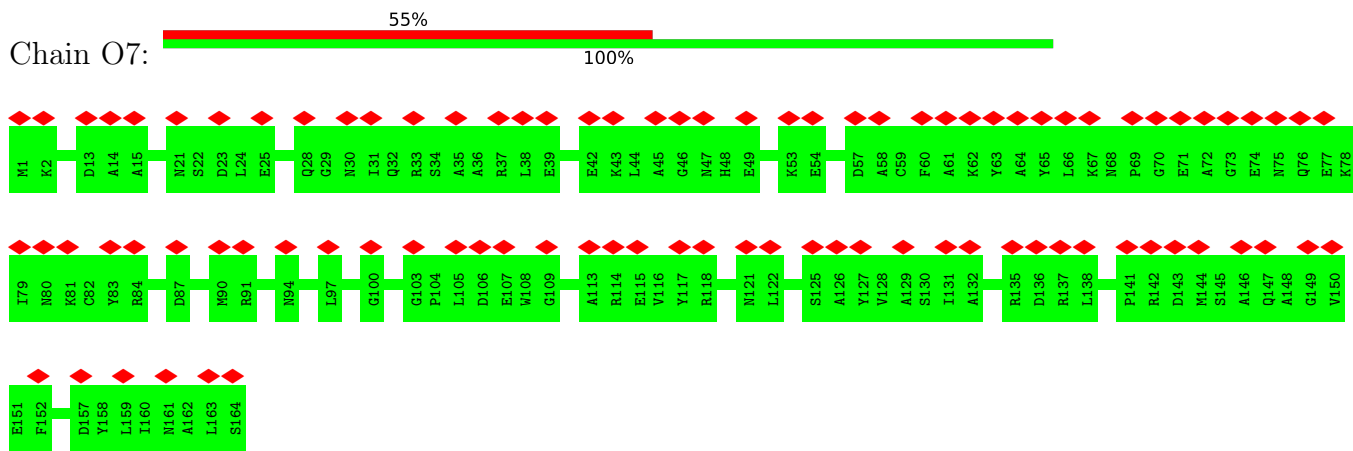
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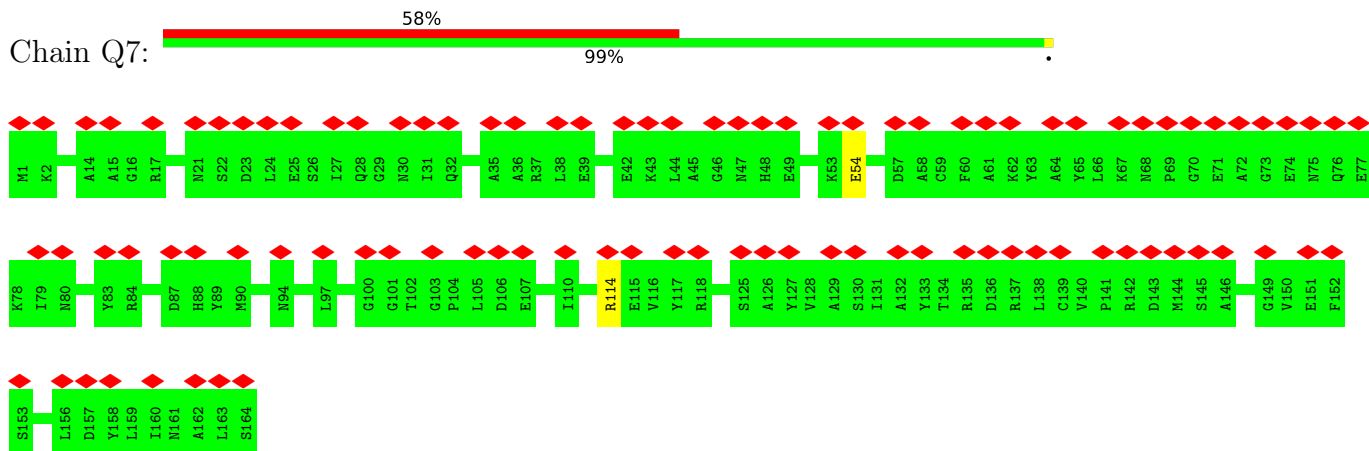
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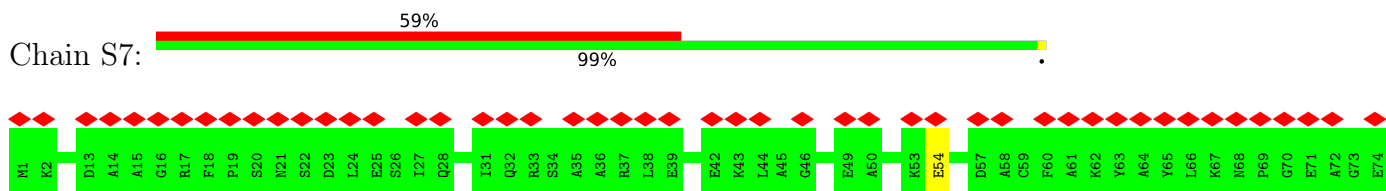
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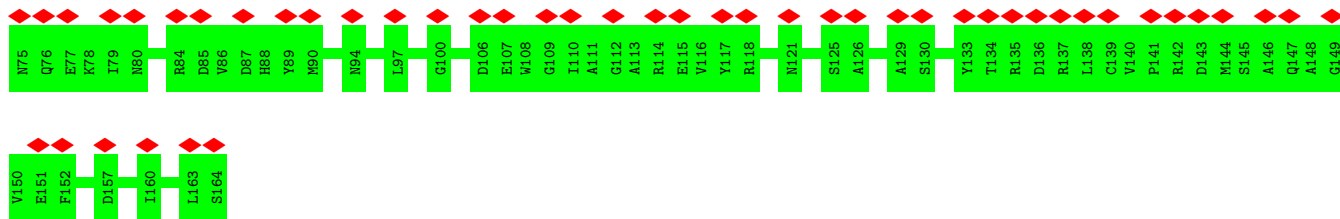


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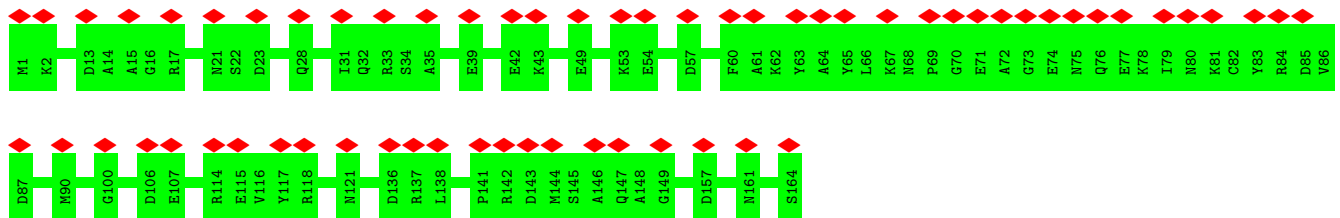
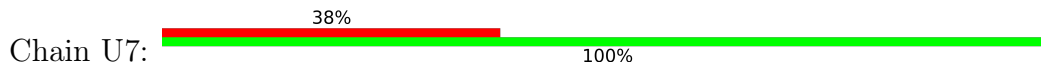


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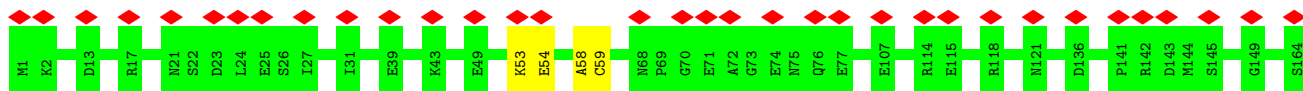




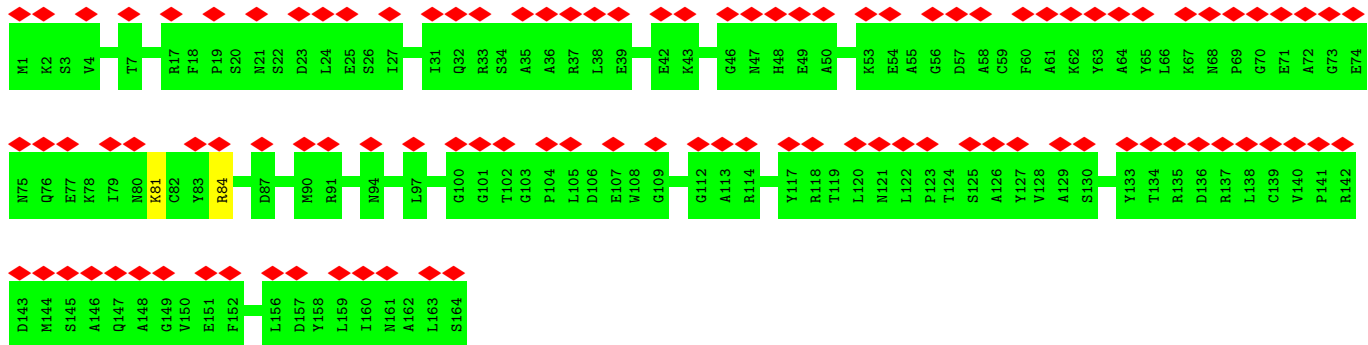
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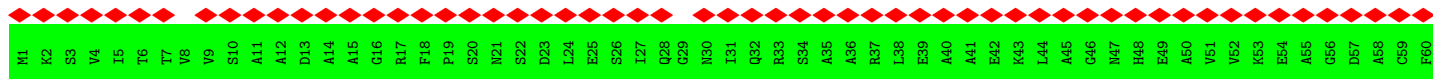
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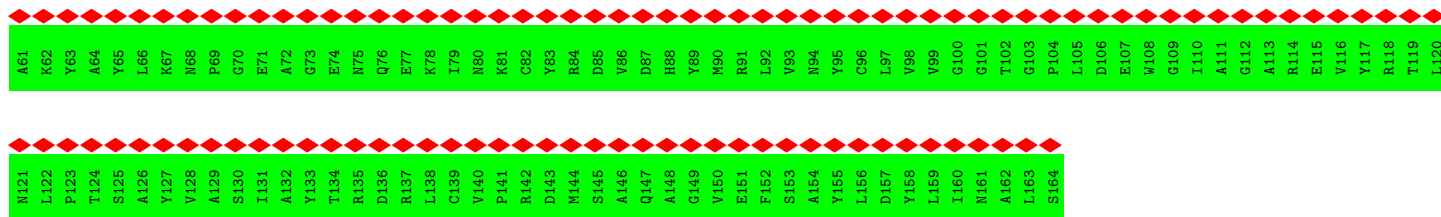


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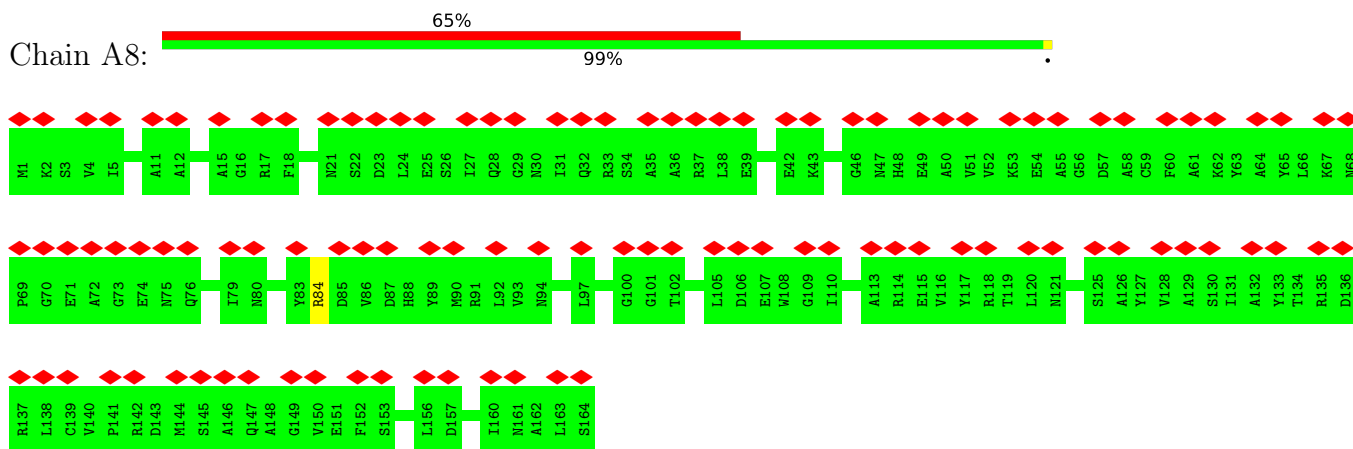


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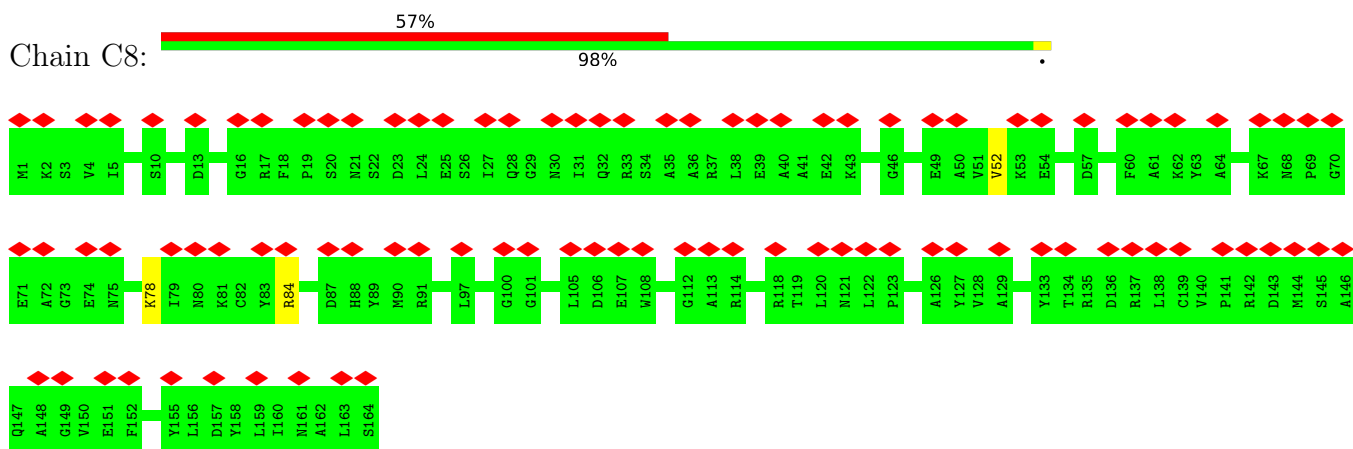




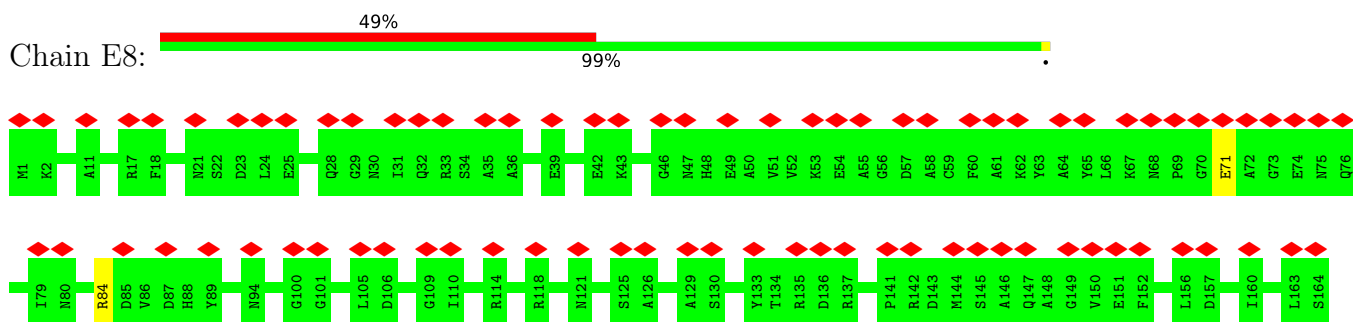
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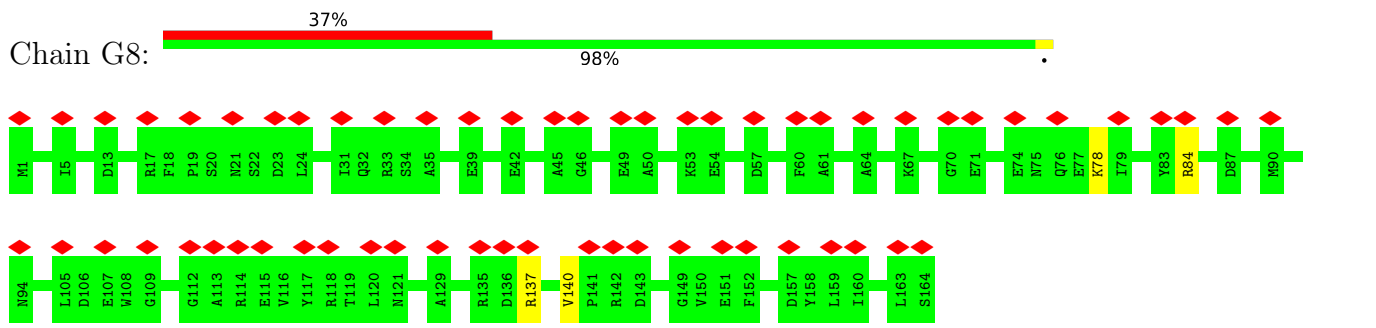
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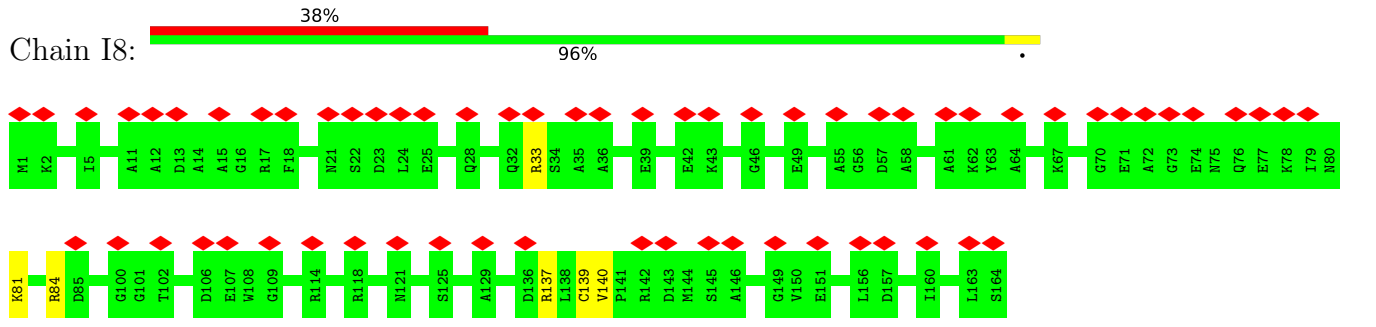
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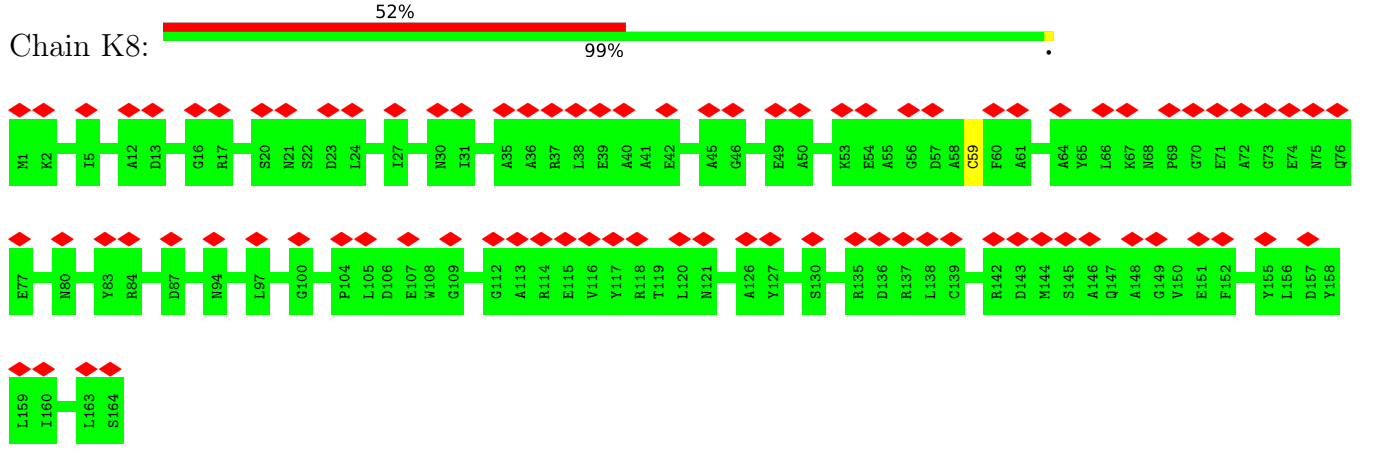
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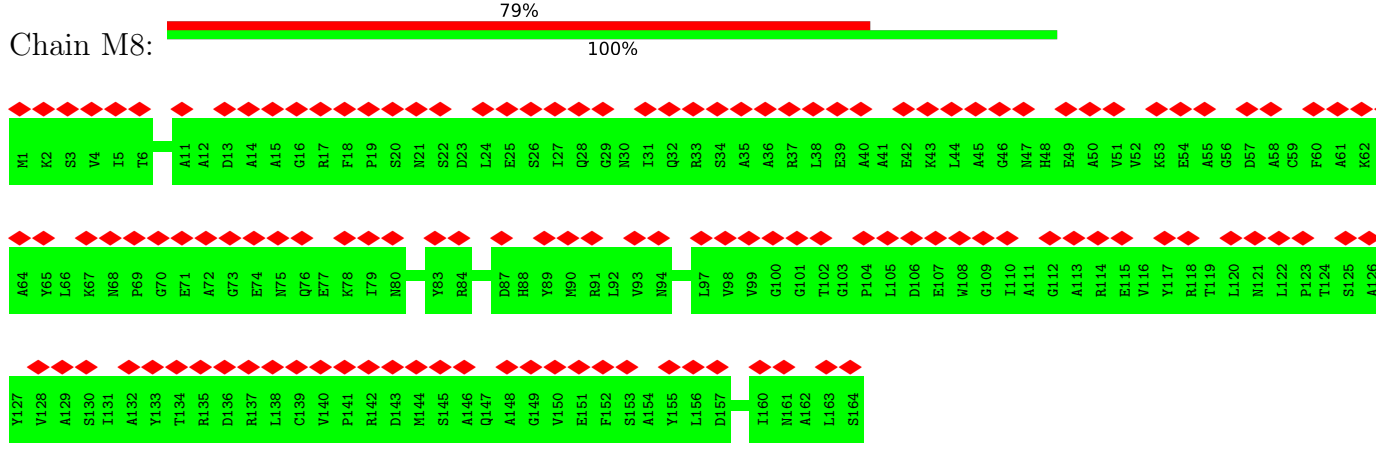
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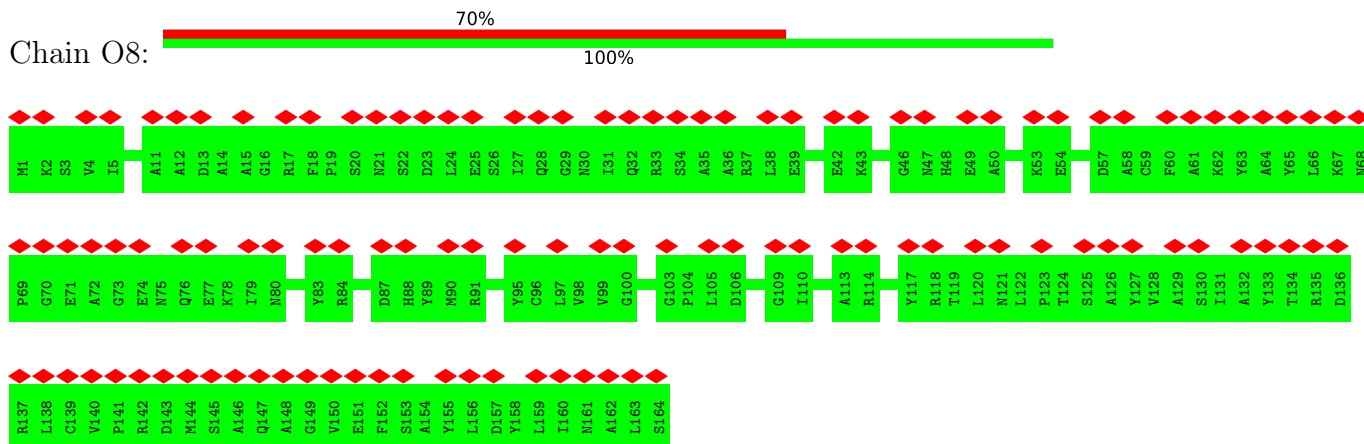
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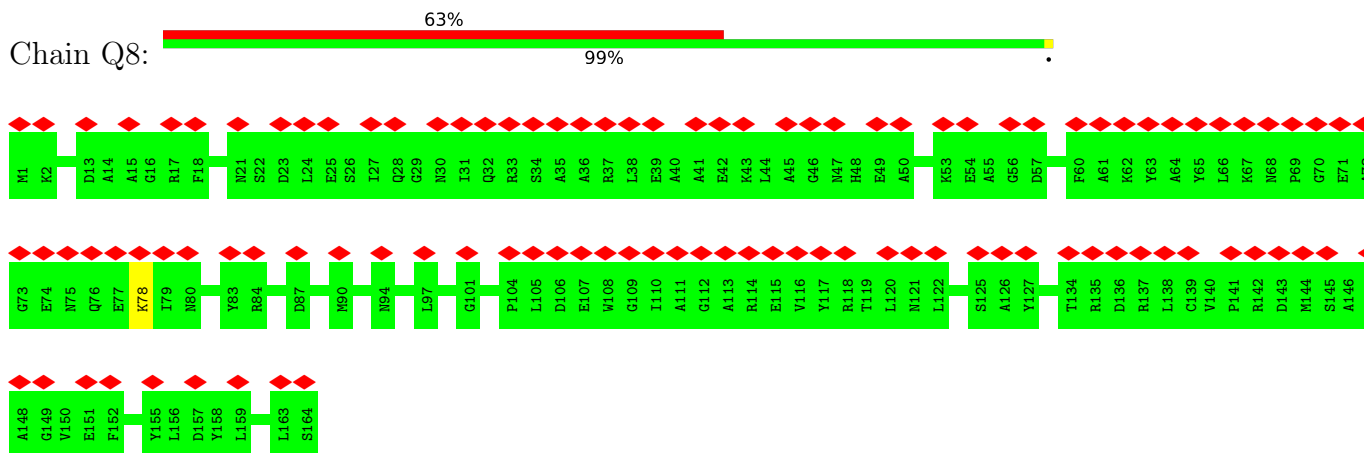
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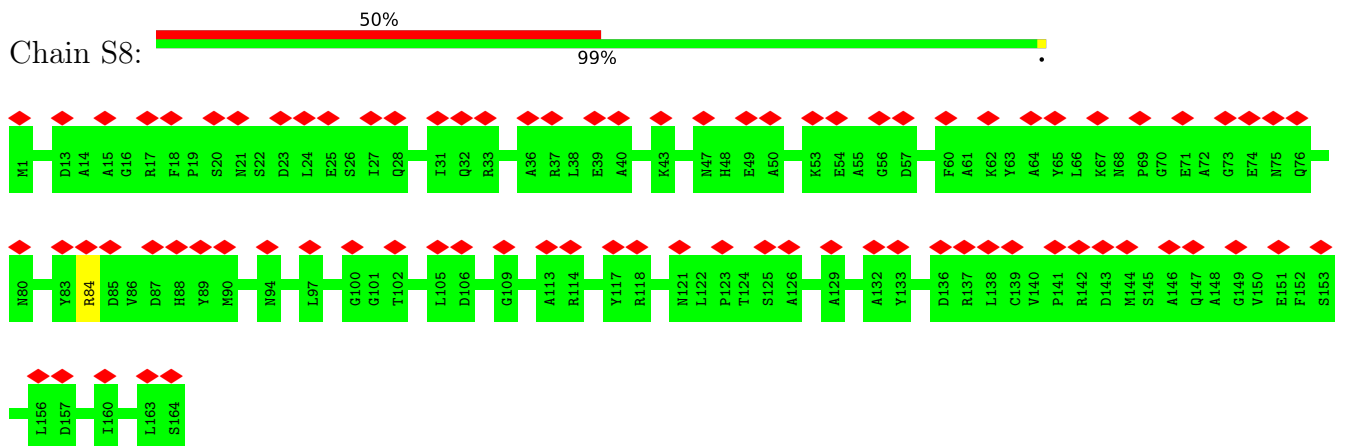
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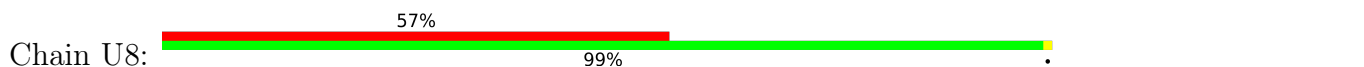
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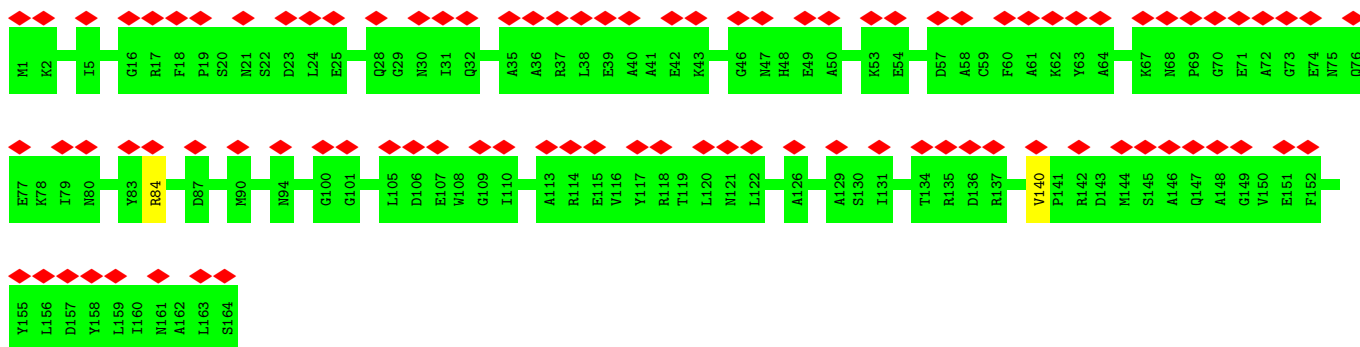


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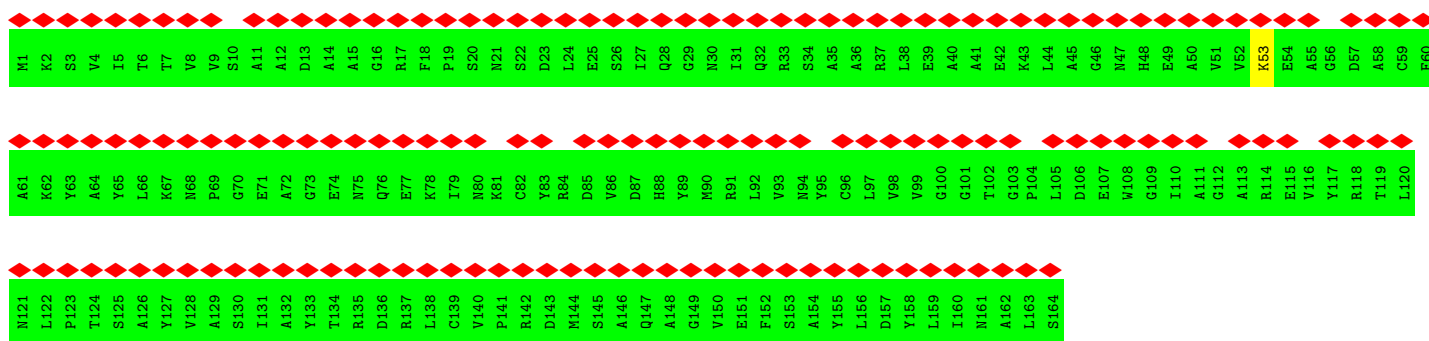


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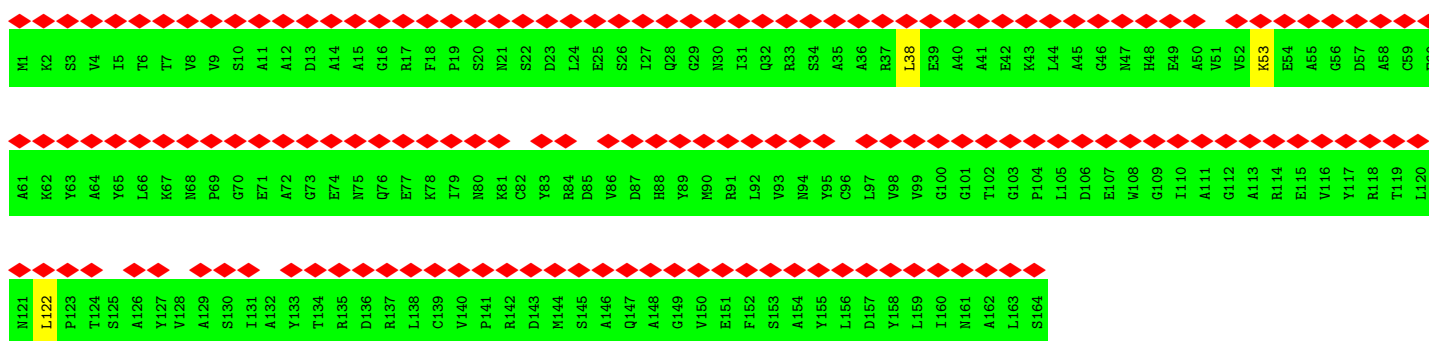




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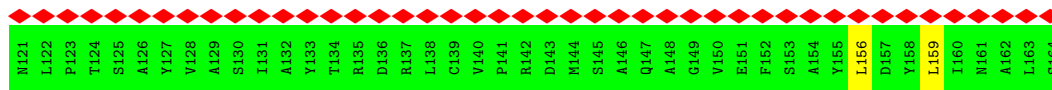


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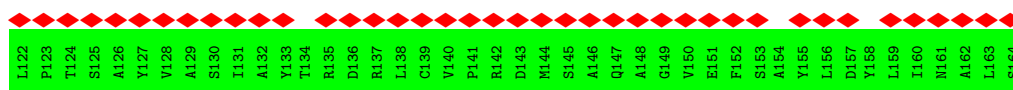
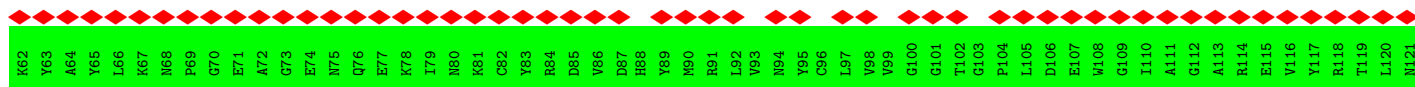
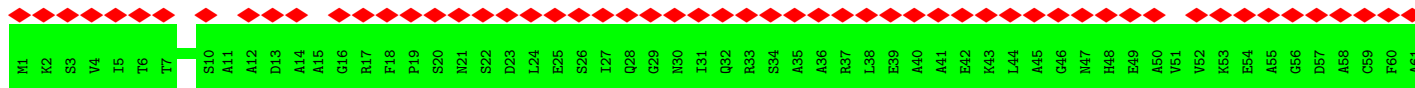
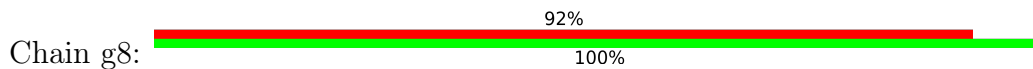


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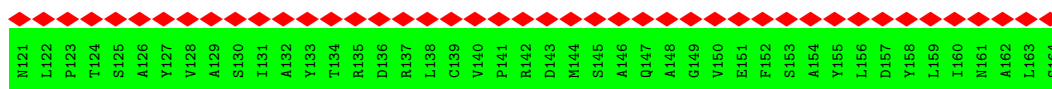
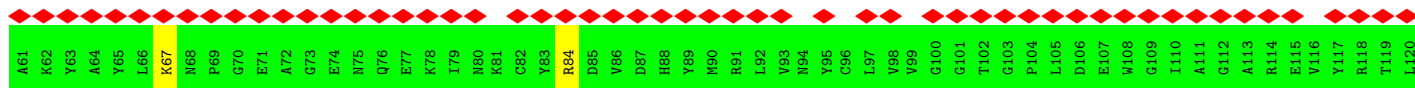
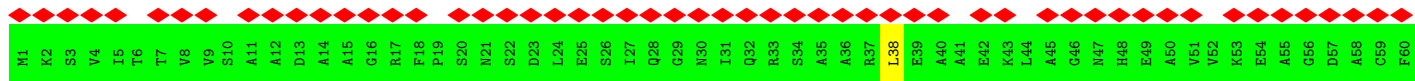




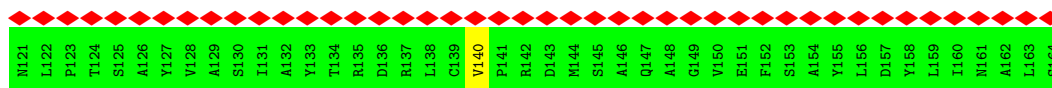
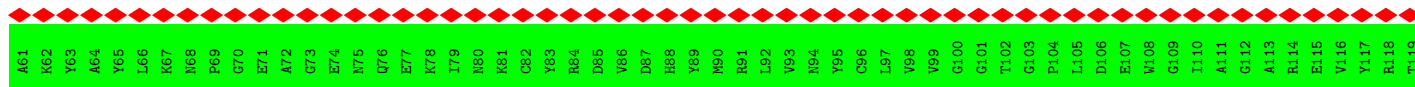
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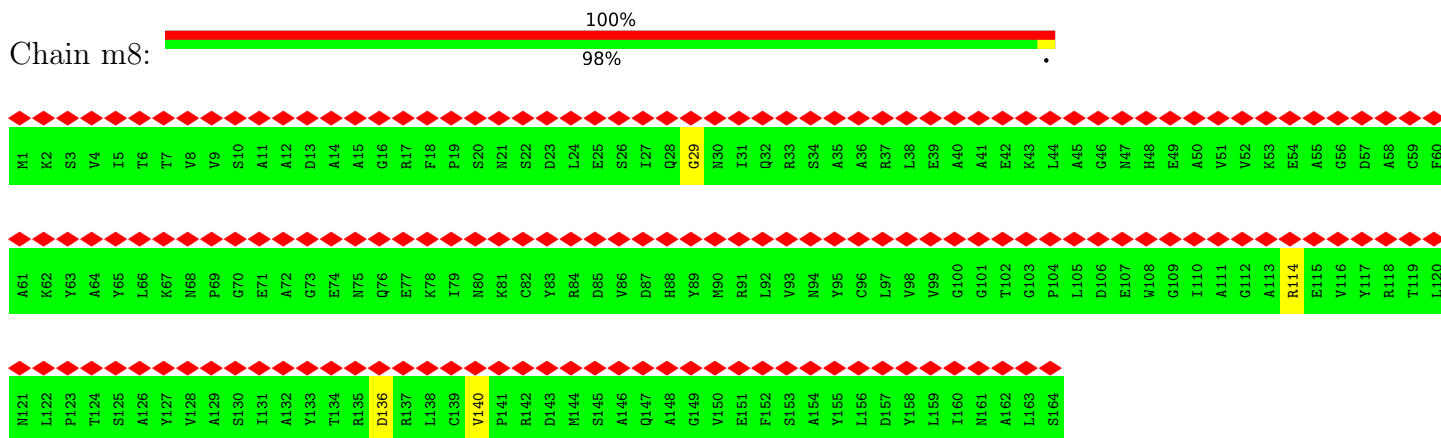
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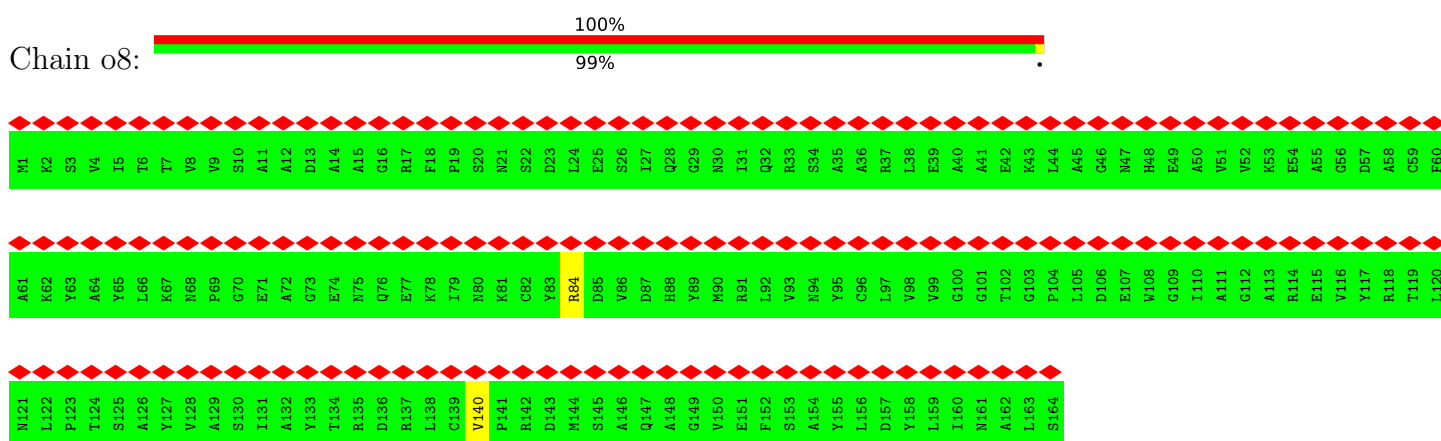
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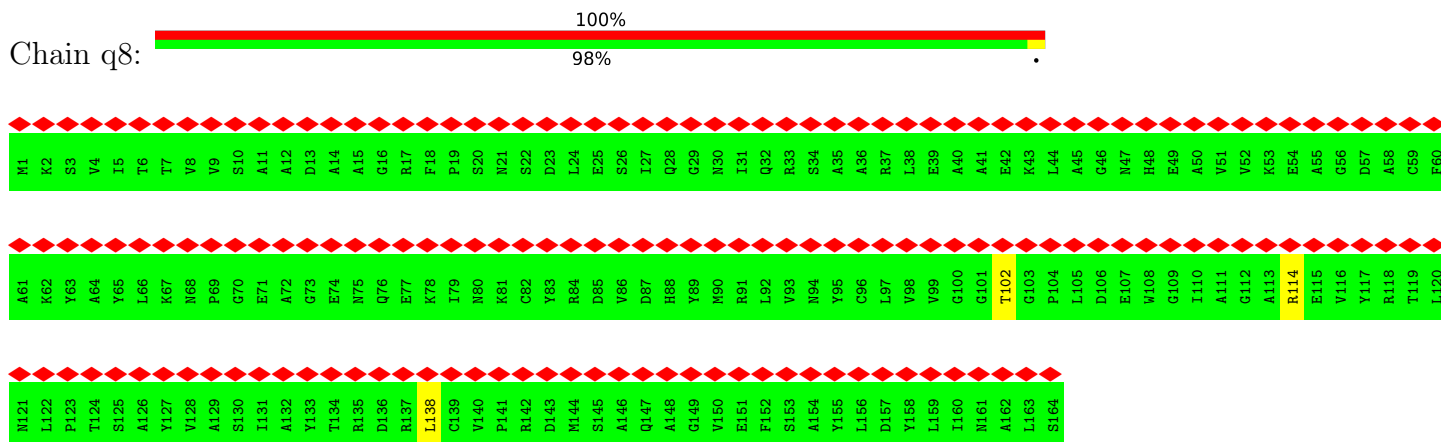
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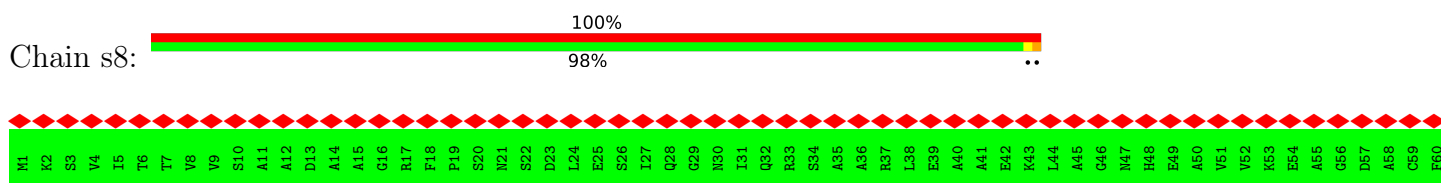
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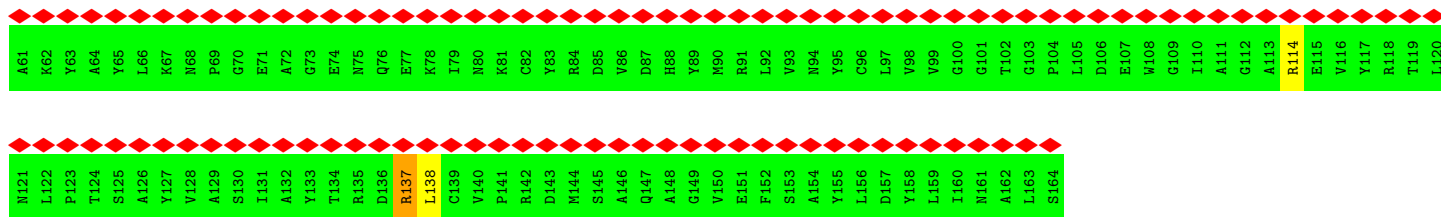


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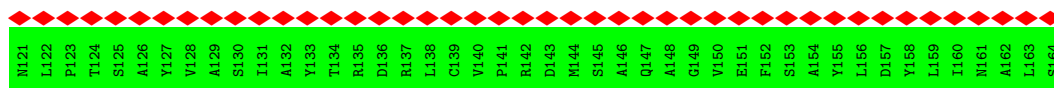
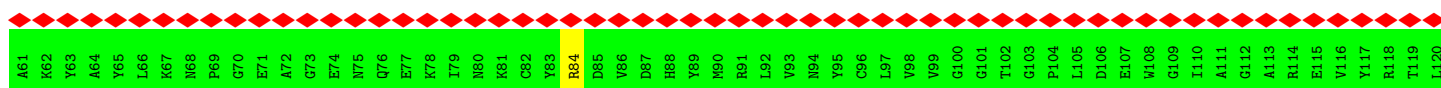
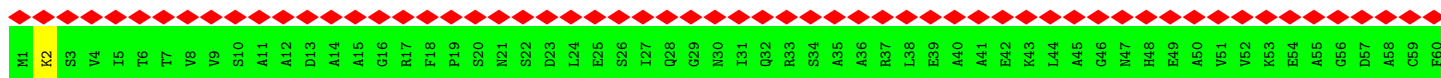


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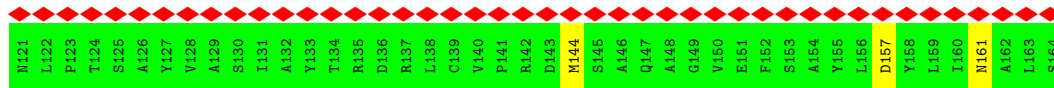
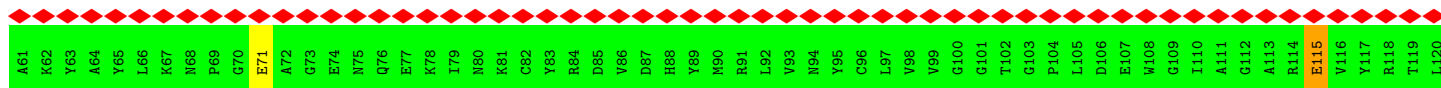




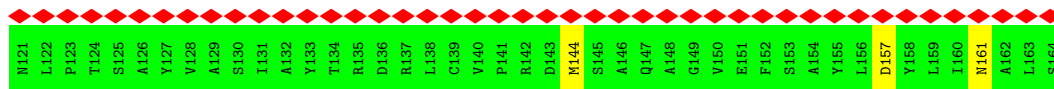
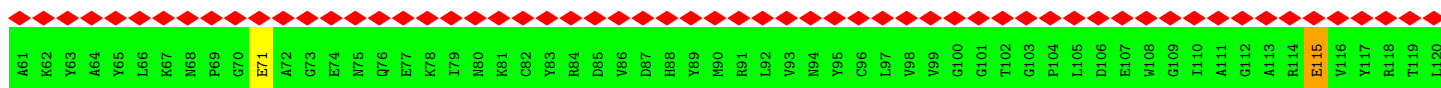
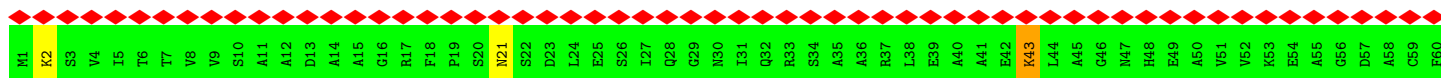
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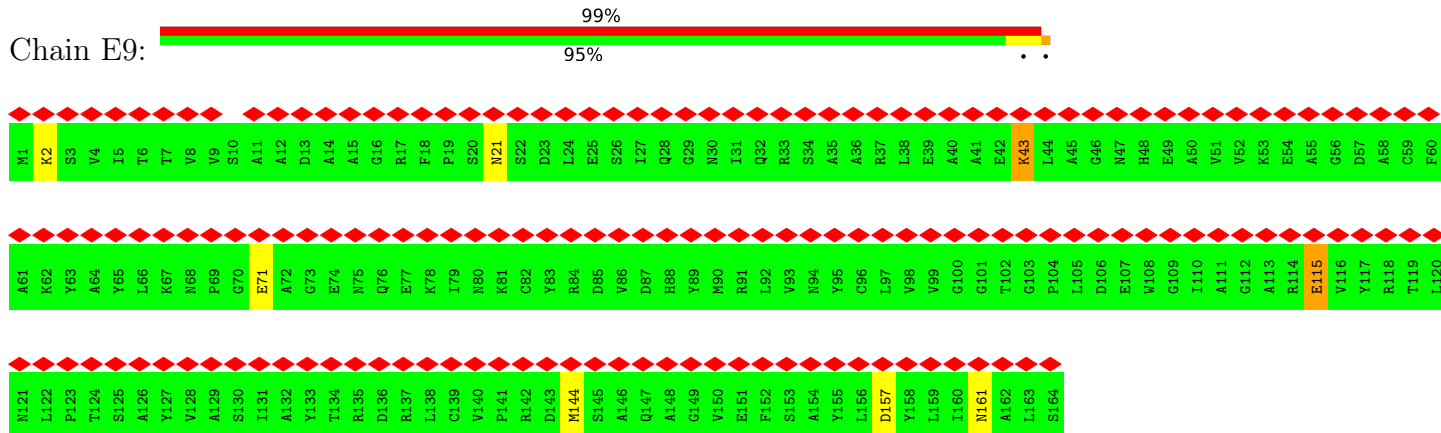
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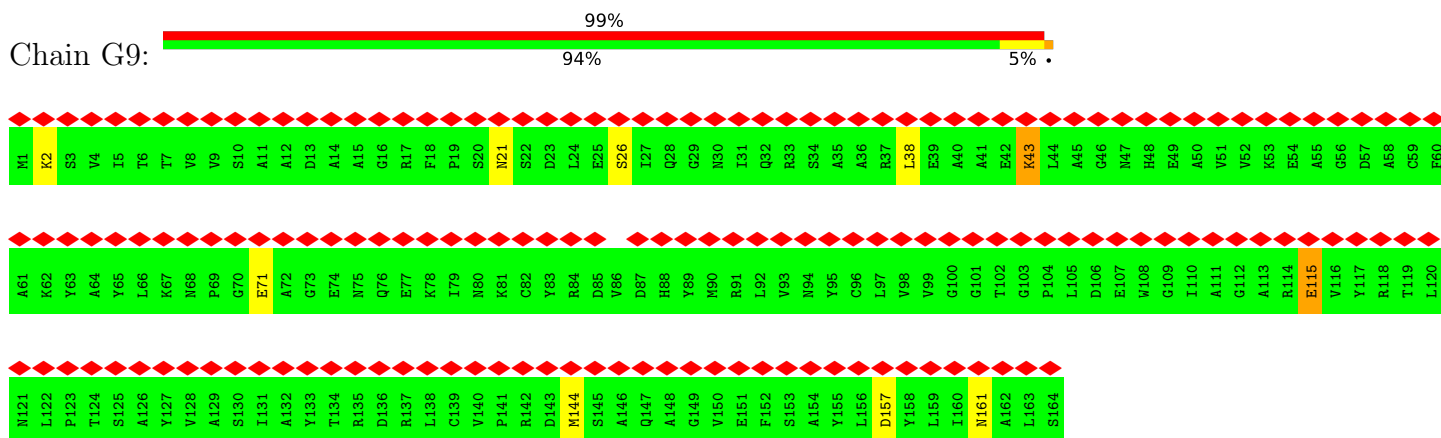
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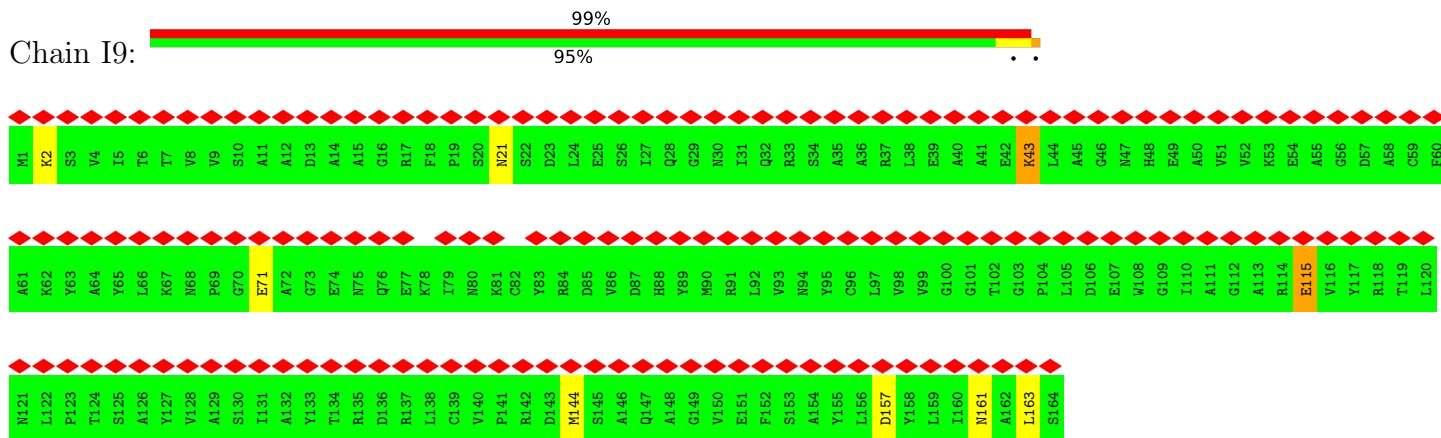
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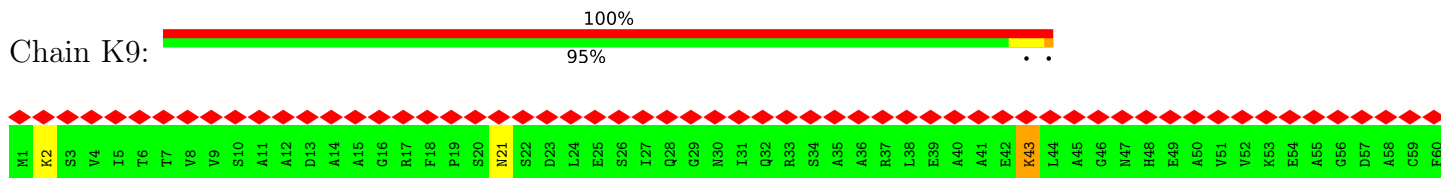
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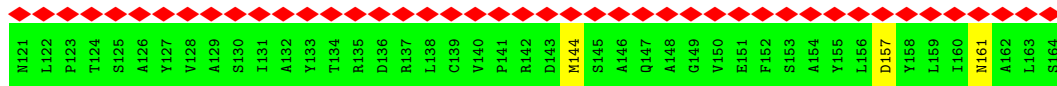
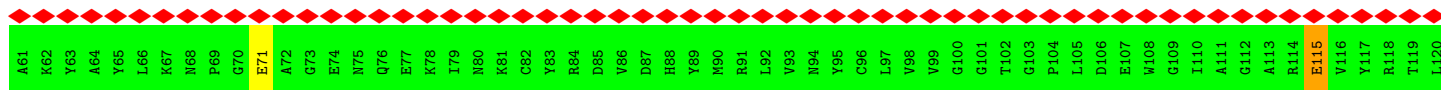


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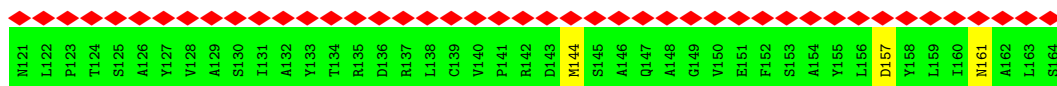
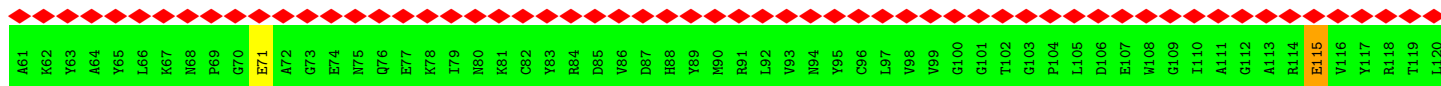
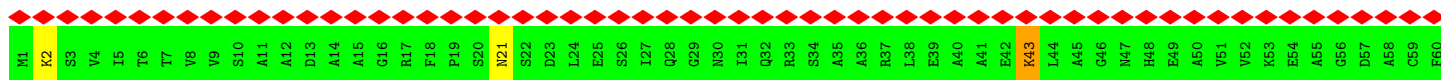


• Molecule 3: Phycoerythrin alpha subunit

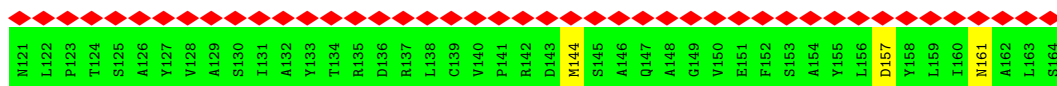
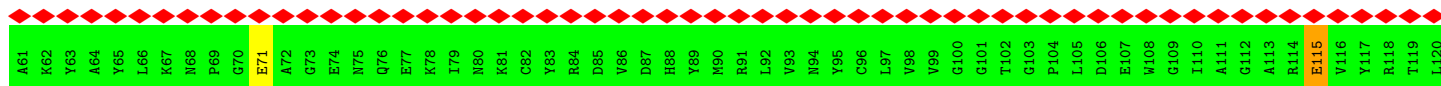
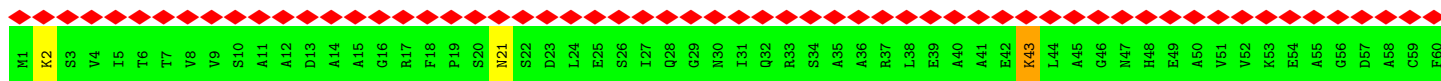




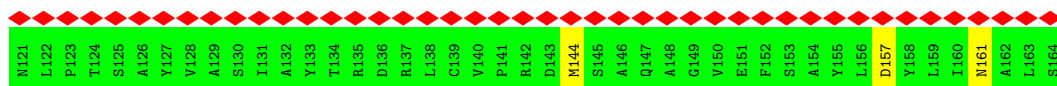
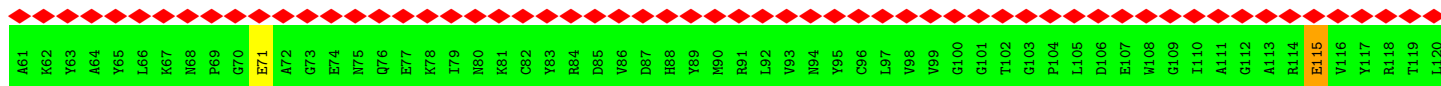
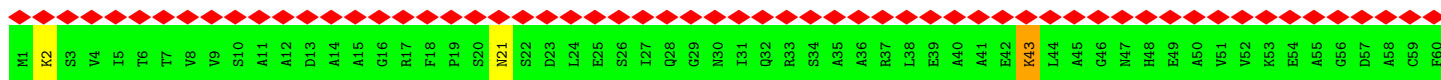
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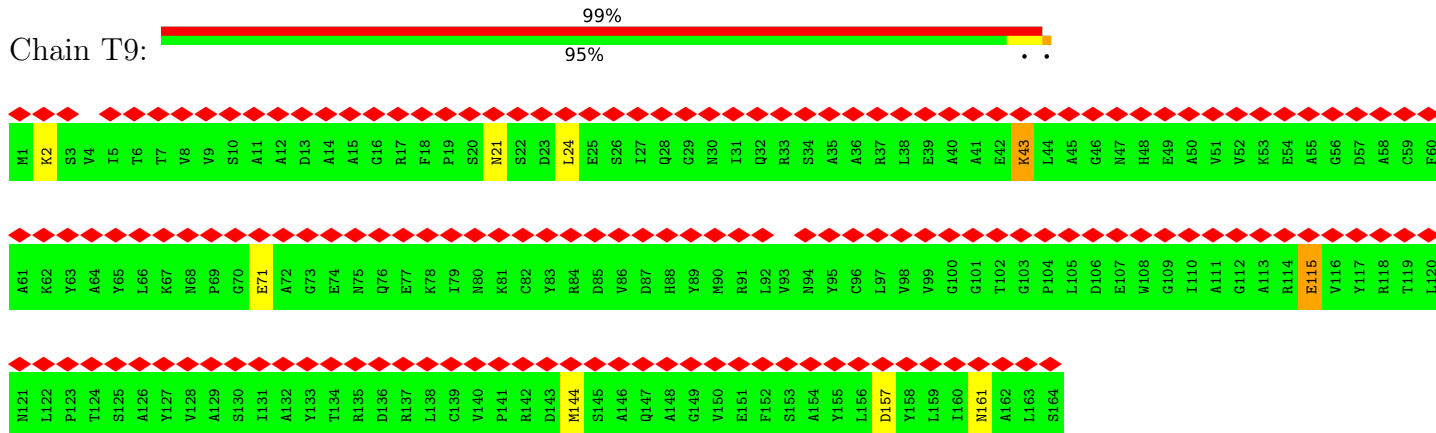
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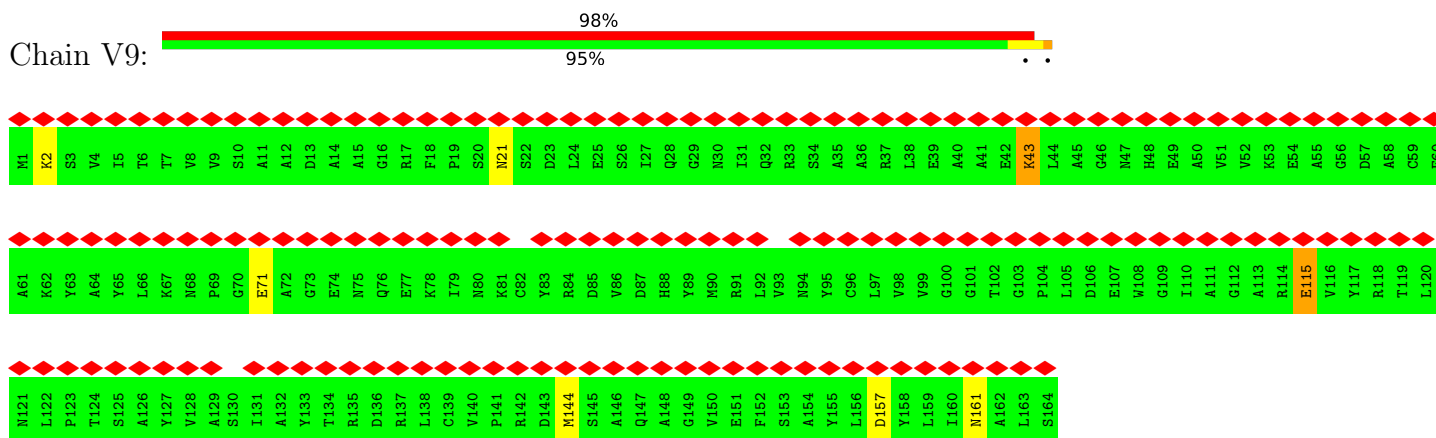
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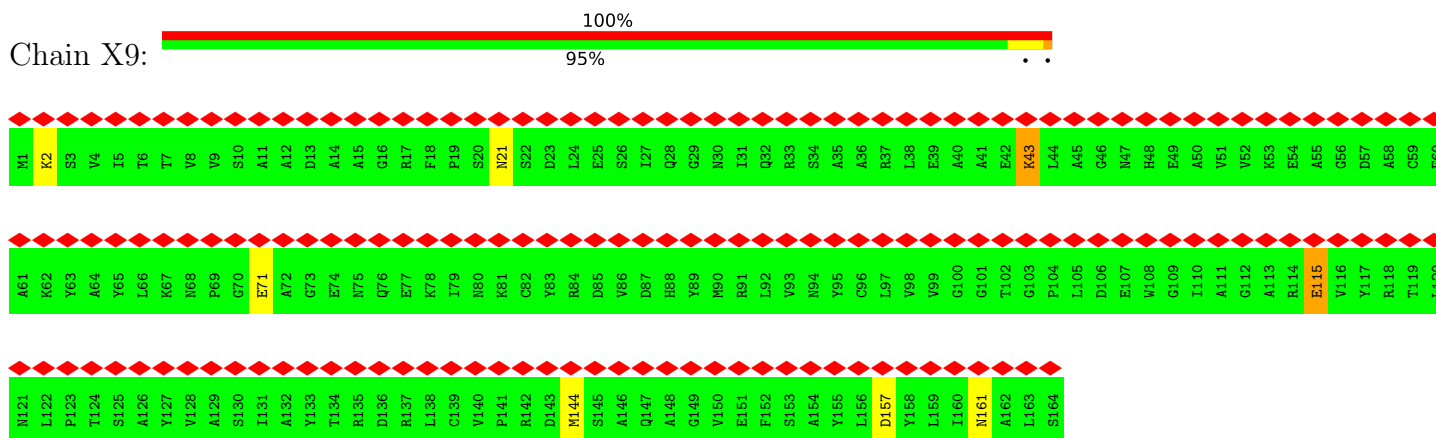
- Molecule 3: Phycoerythrin alpha subunit



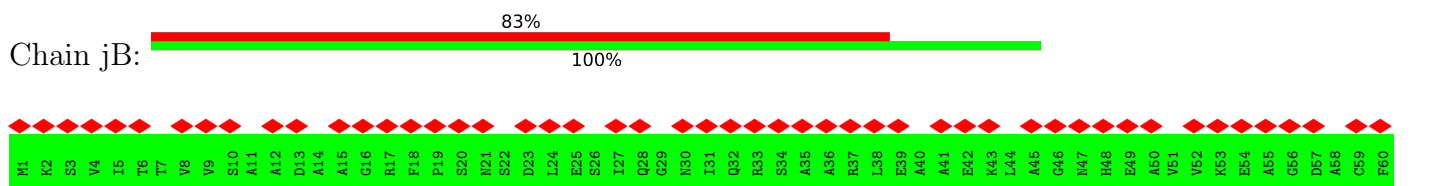
- Molecule 3: Phycoerythrin alpha subunit

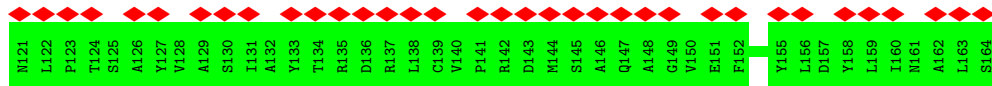
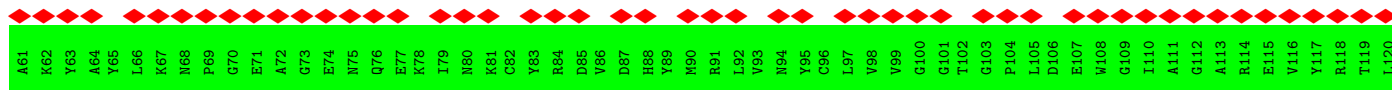


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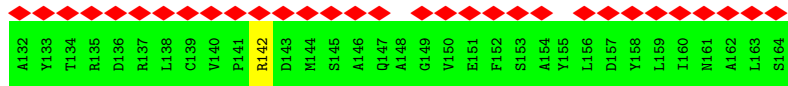
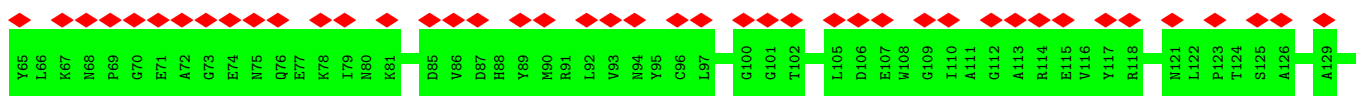
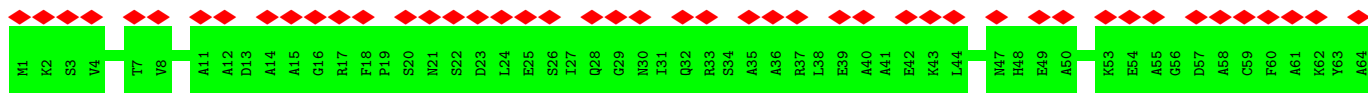
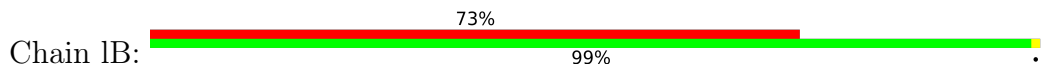


- Molecule 3: Phycoerythrin alpha subunit

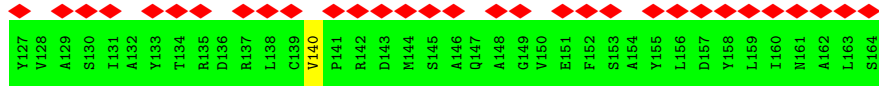
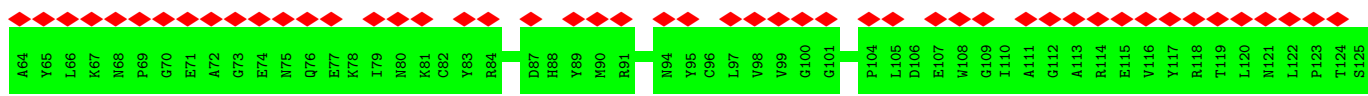
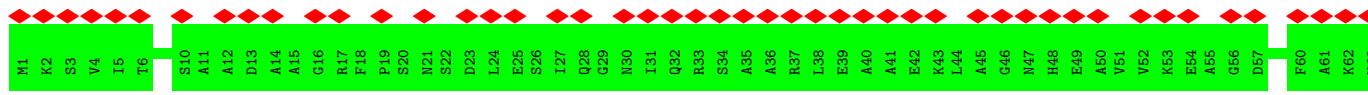
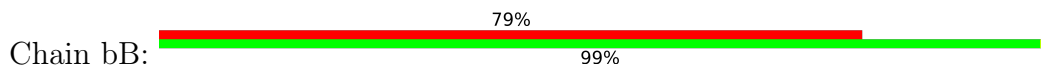




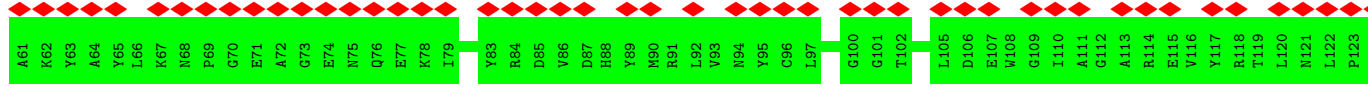
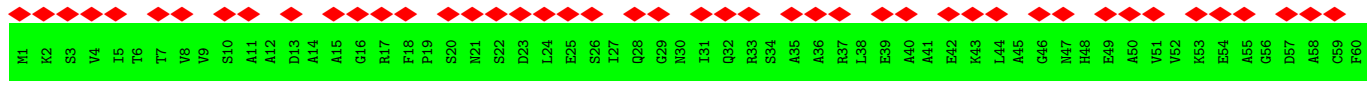
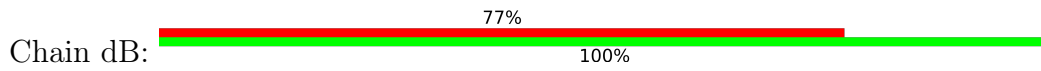
• Molecule 3: Phycoerythrin alpha subunit



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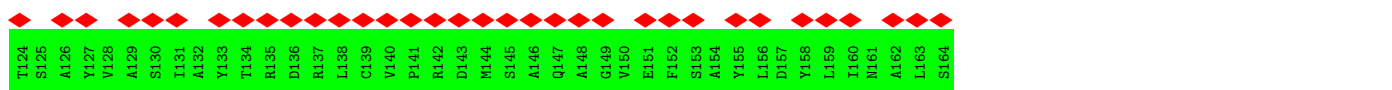
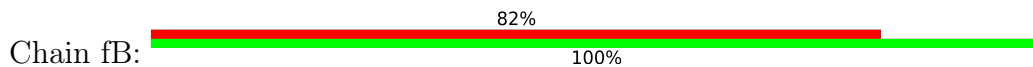


• Molecule 3: Phycoerythrin alpha subunit

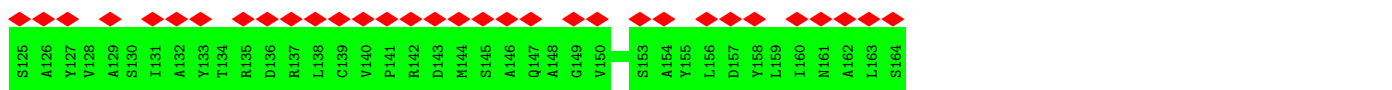
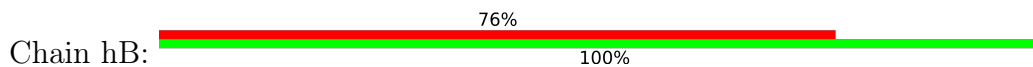




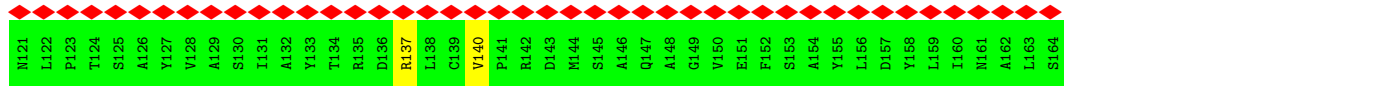
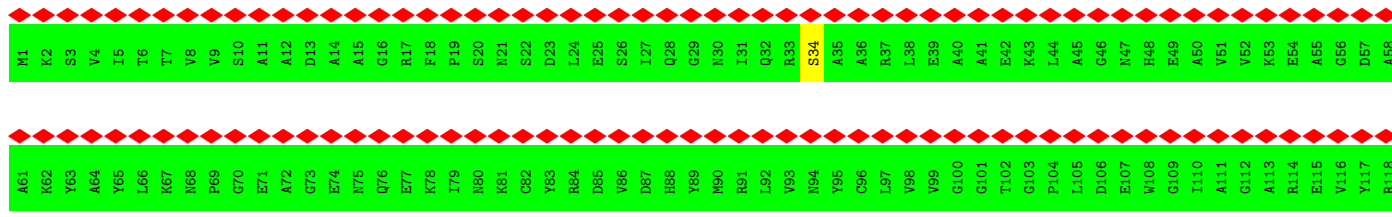
• Molecule 3: Phycoerythrin alpha subunit



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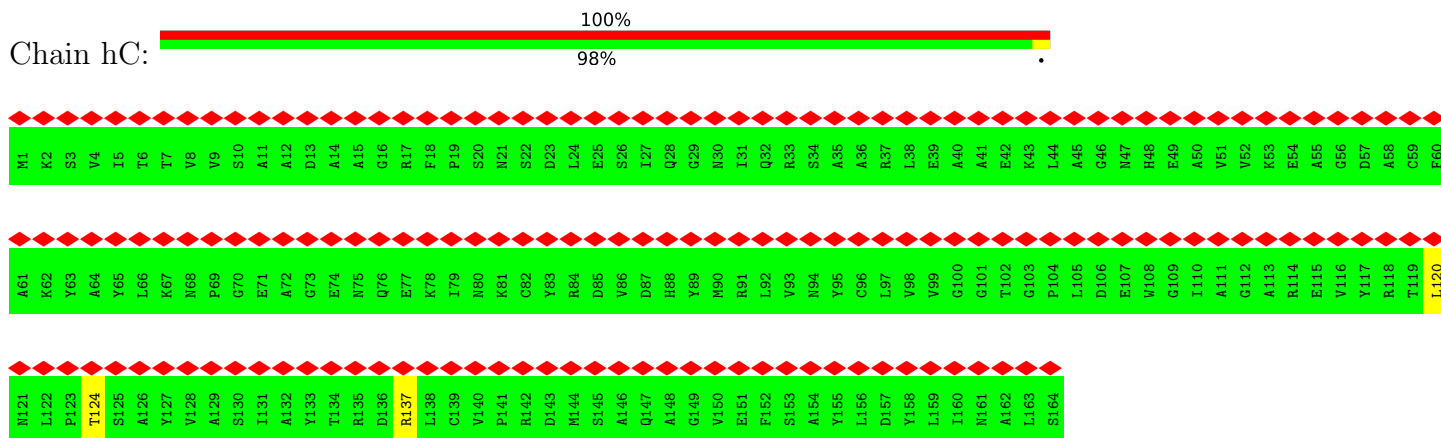


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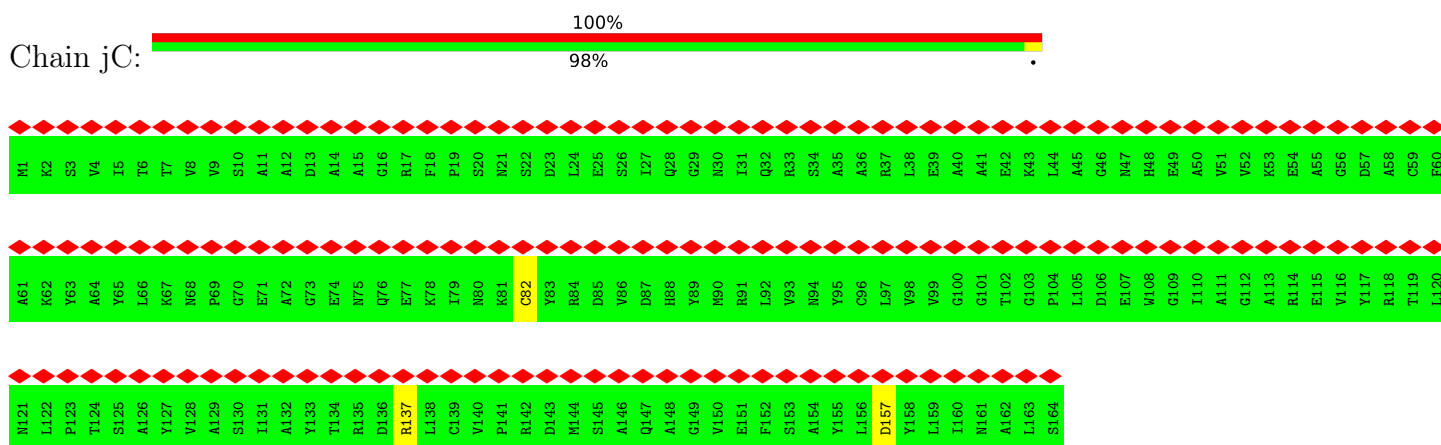


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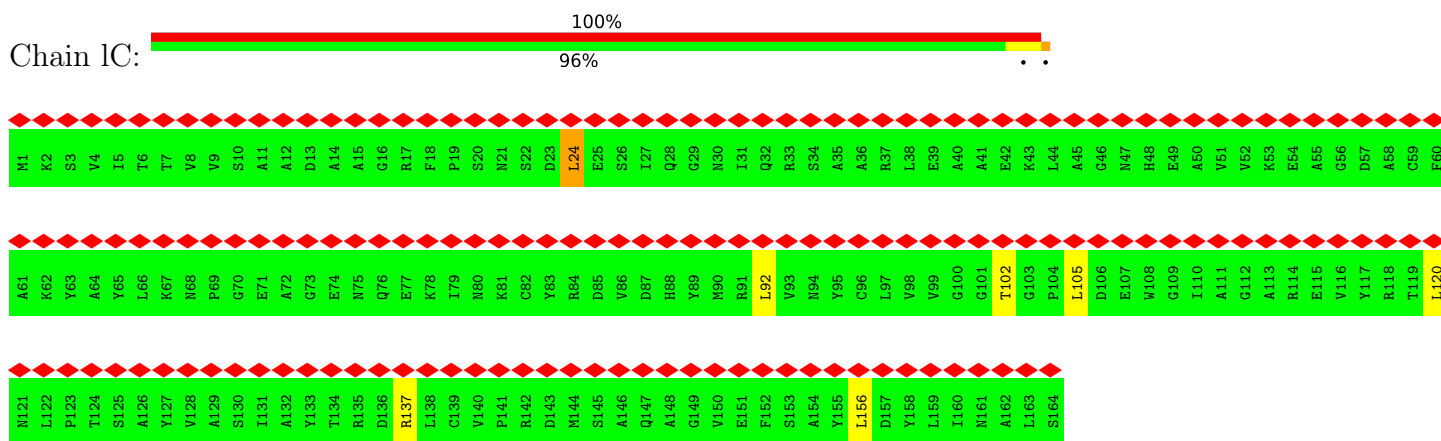




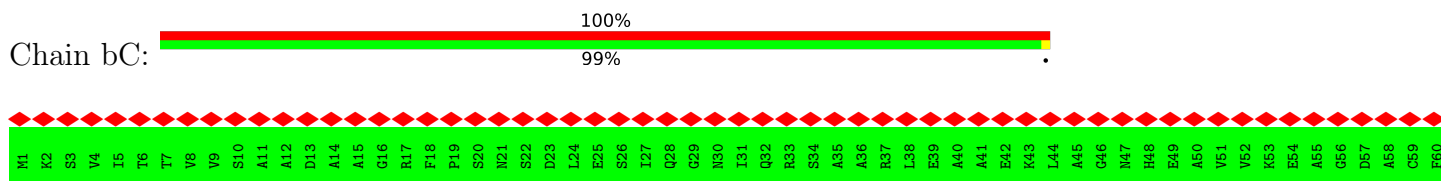
• Molecule 3: Phycoerythrin alpha subunit

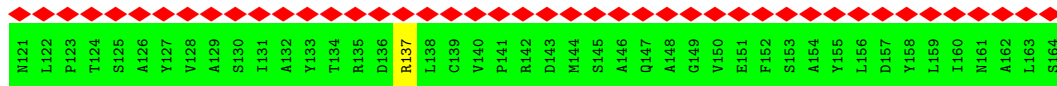
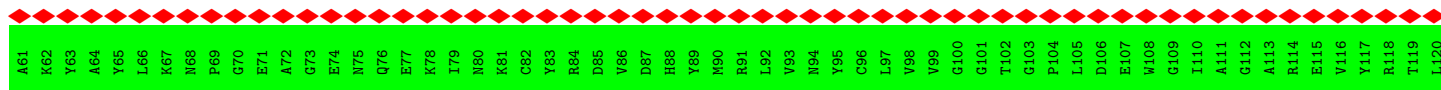


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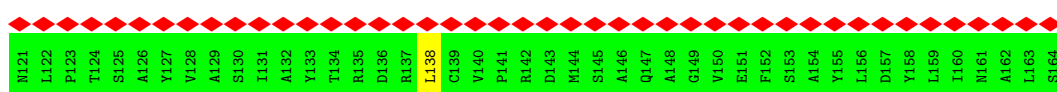
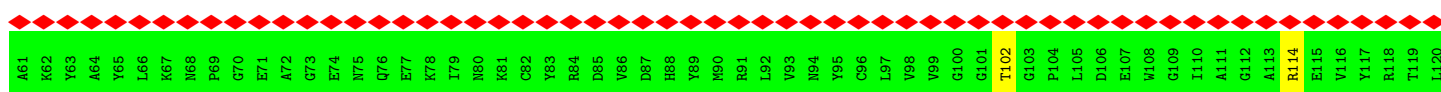
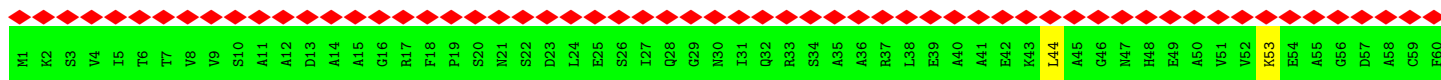


• Molecule 3: Phycoerythrin alpha subunit

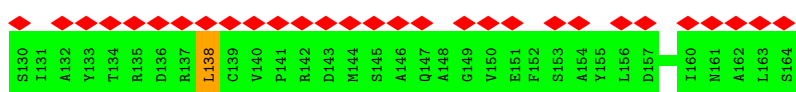
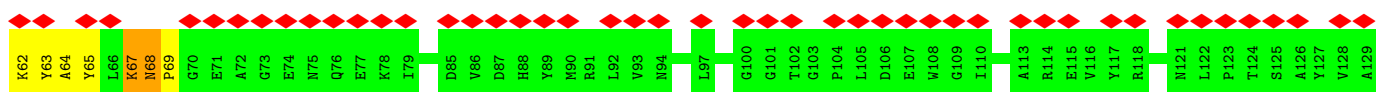
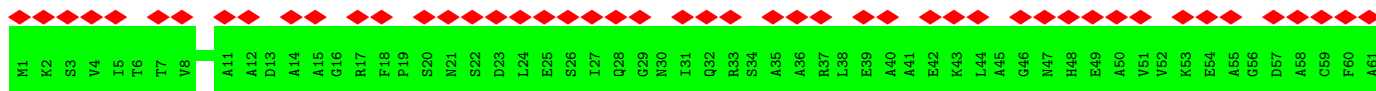
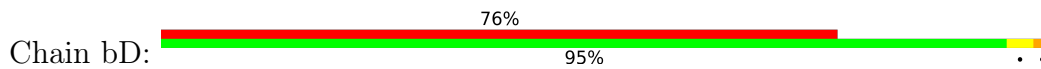




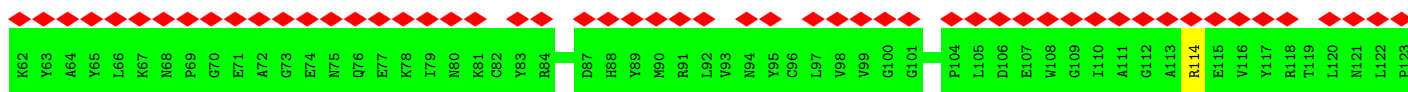
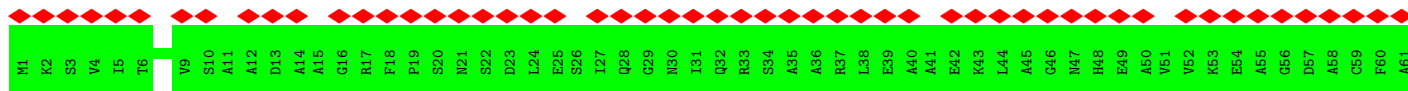
• Molecule 3: Phycoerythrin alpha subunit

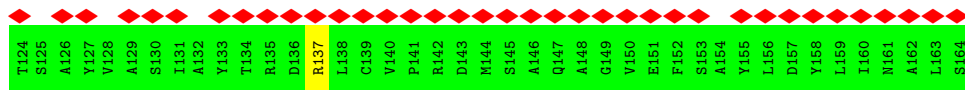


• Molecule 3: Phycoerythrin alpha subunit

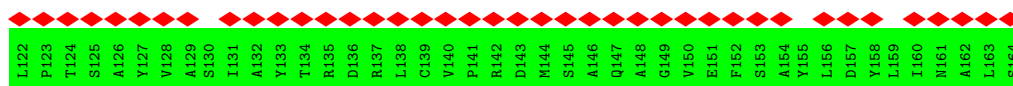
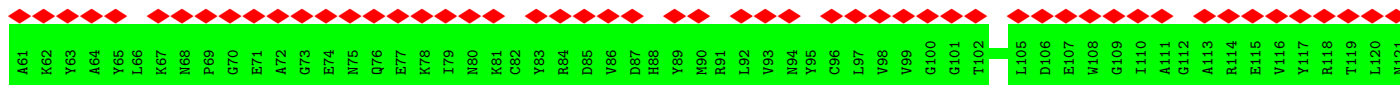
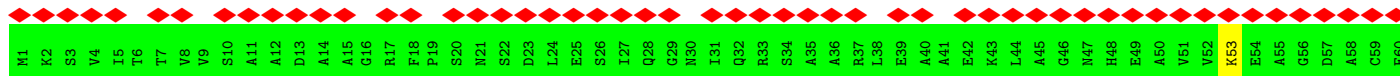
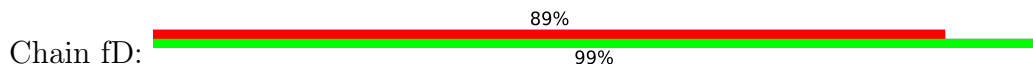


• Molecule 3: Phycoerythrin alpha subunit

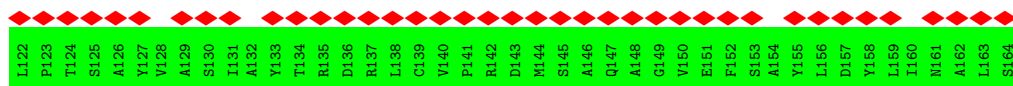
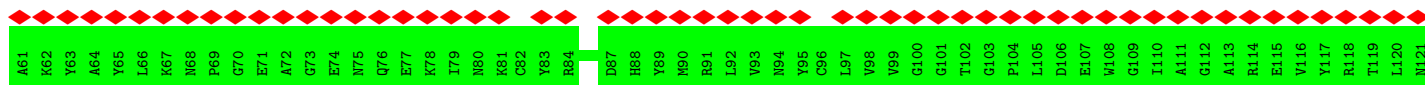
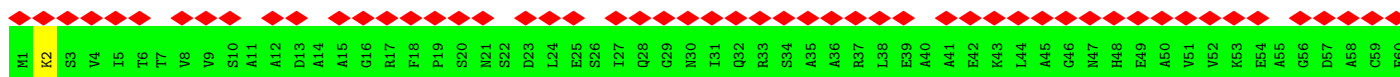




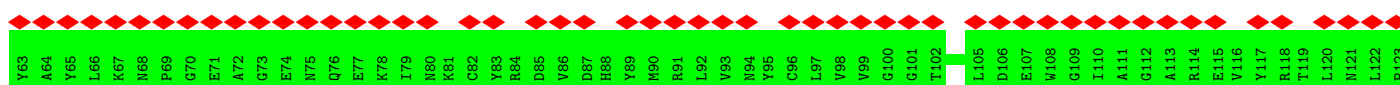
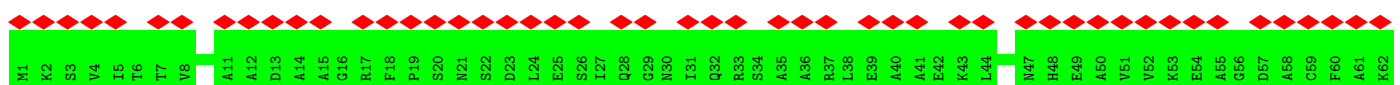
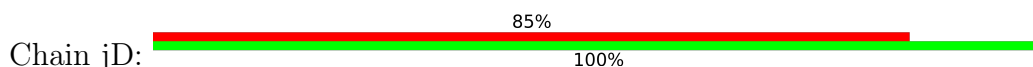
• Molecule 3: Phycoerythrin alpha subunit



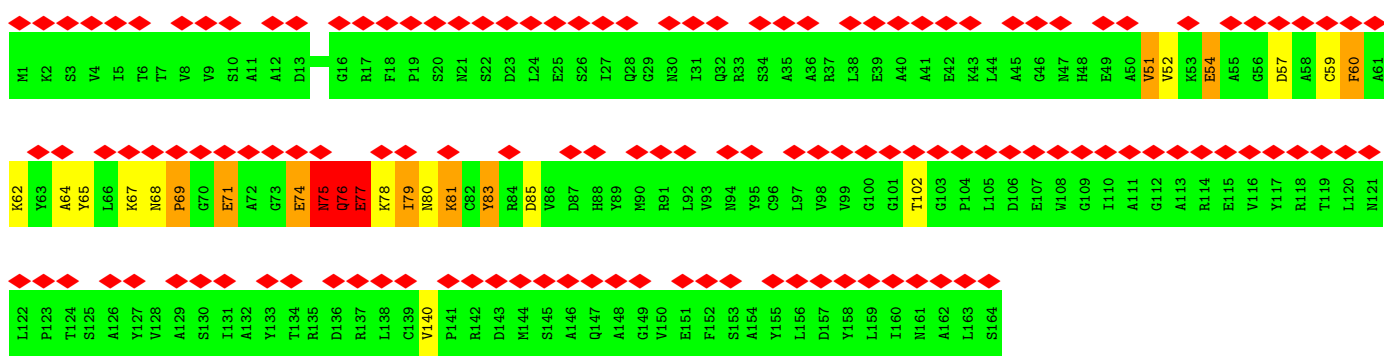
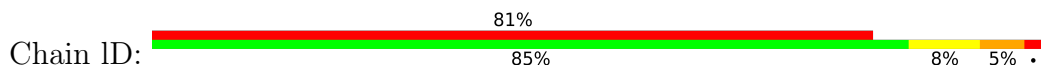
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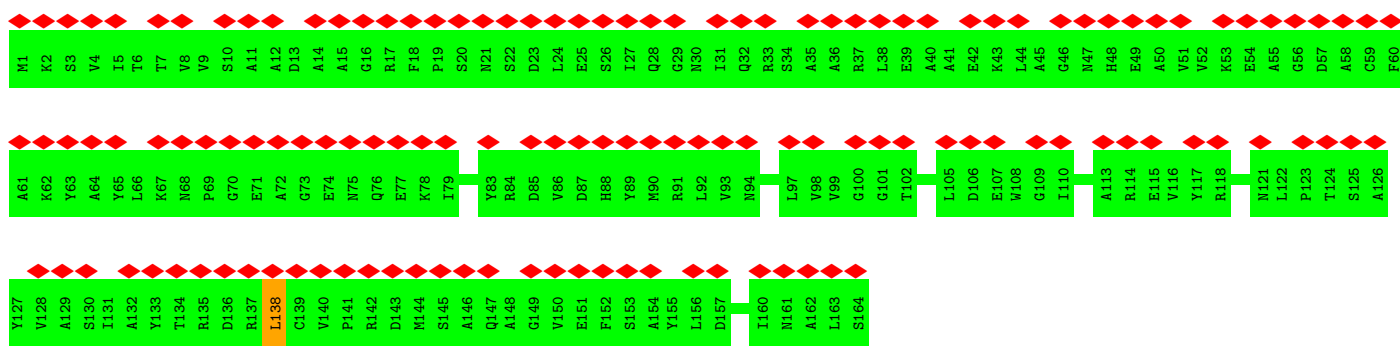
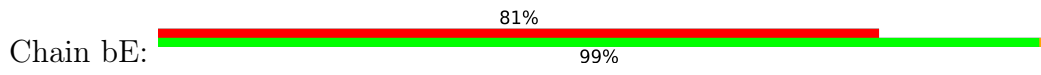
• Molecule 3: Phycoerythrin alpha subunit



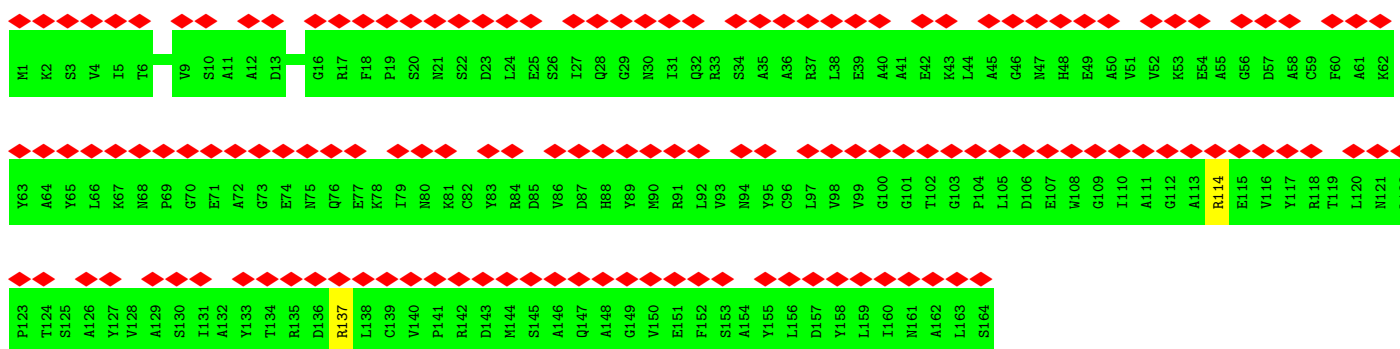
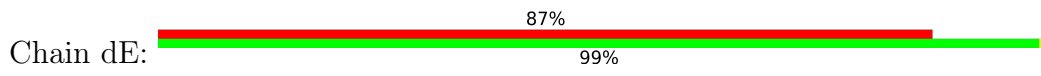
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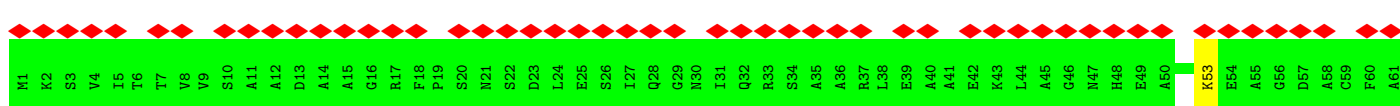
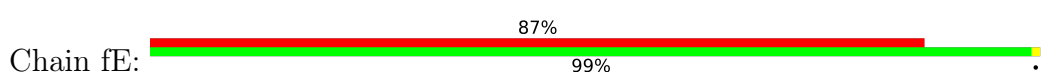
• Molecule 3: Phycoerythrin alpha subunit

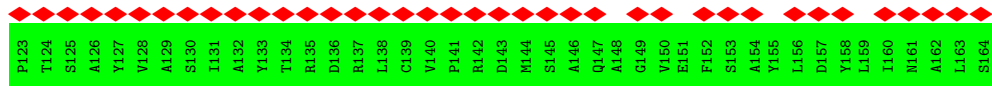
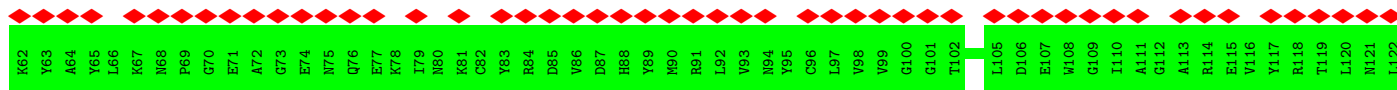


• Molecule 3: Phycoerythrin alpha subunit

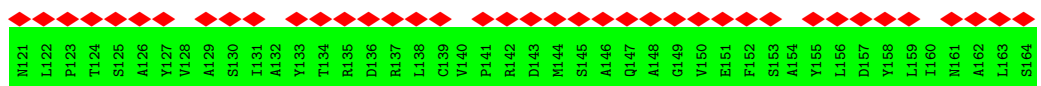
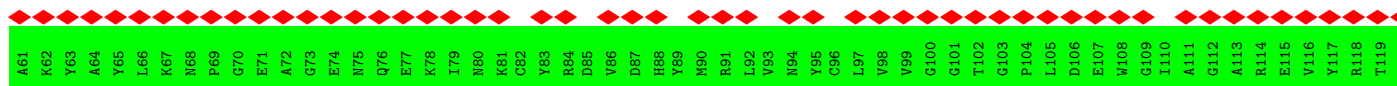
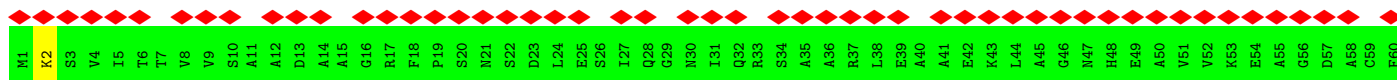
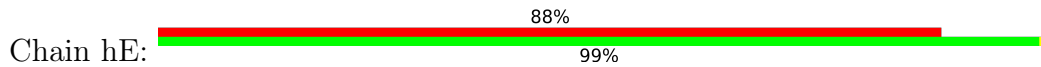


• Molecule 3: Phycoerythrin alpha subunit

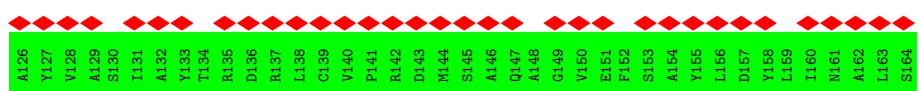
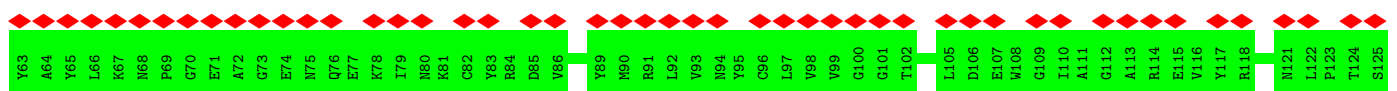
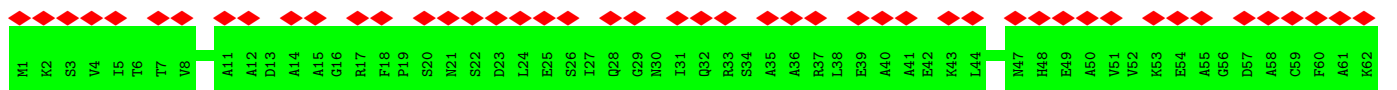
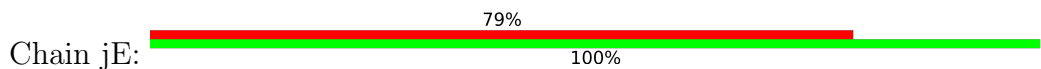




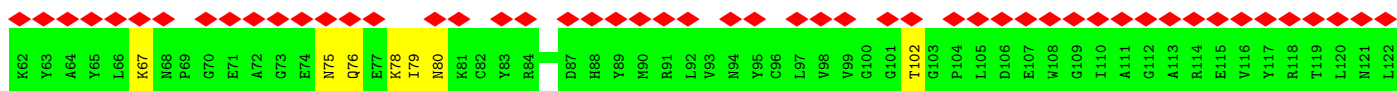
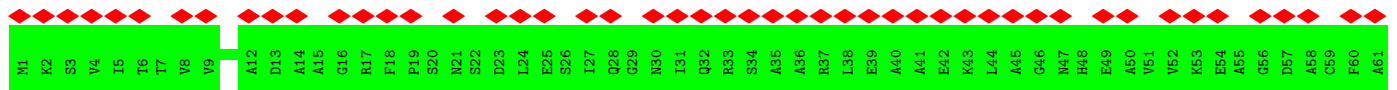
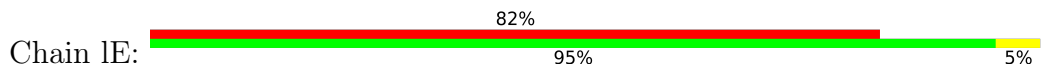
• Molecule 3: Phycoerythrin alpha subunit



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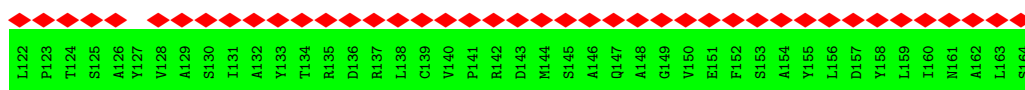
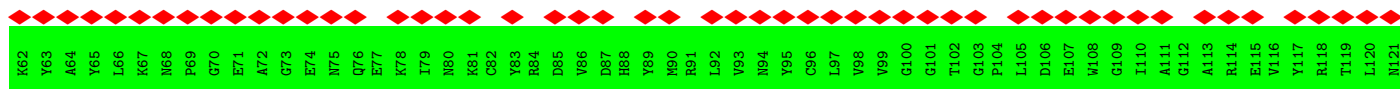
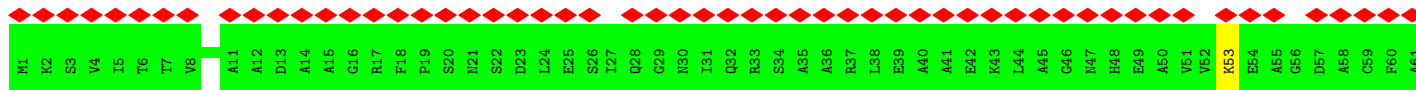


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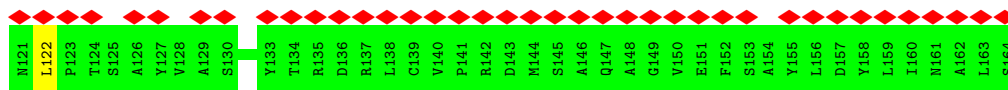
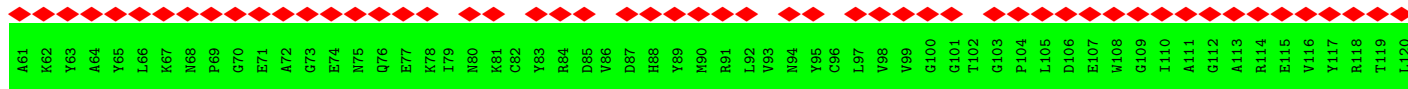
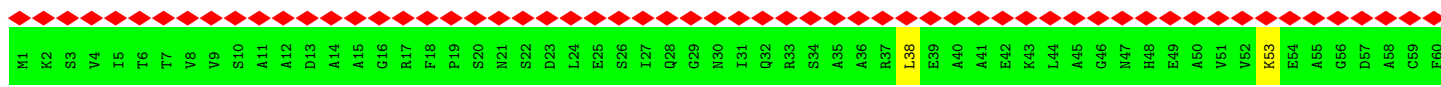




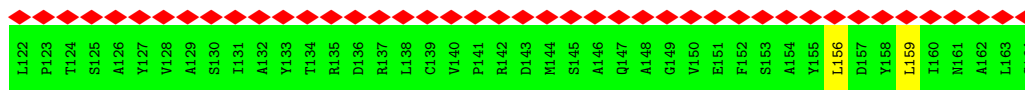
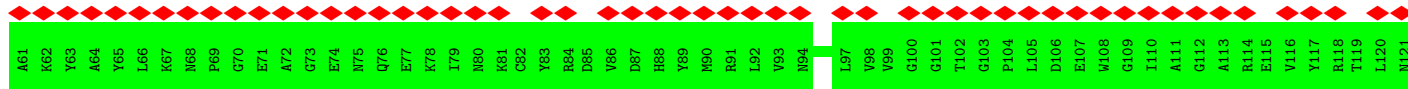
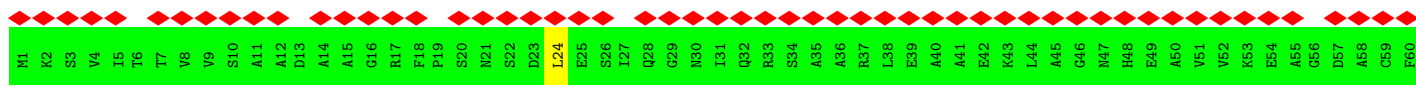
• Molecule 3: Phycoerythrin alpha subunit



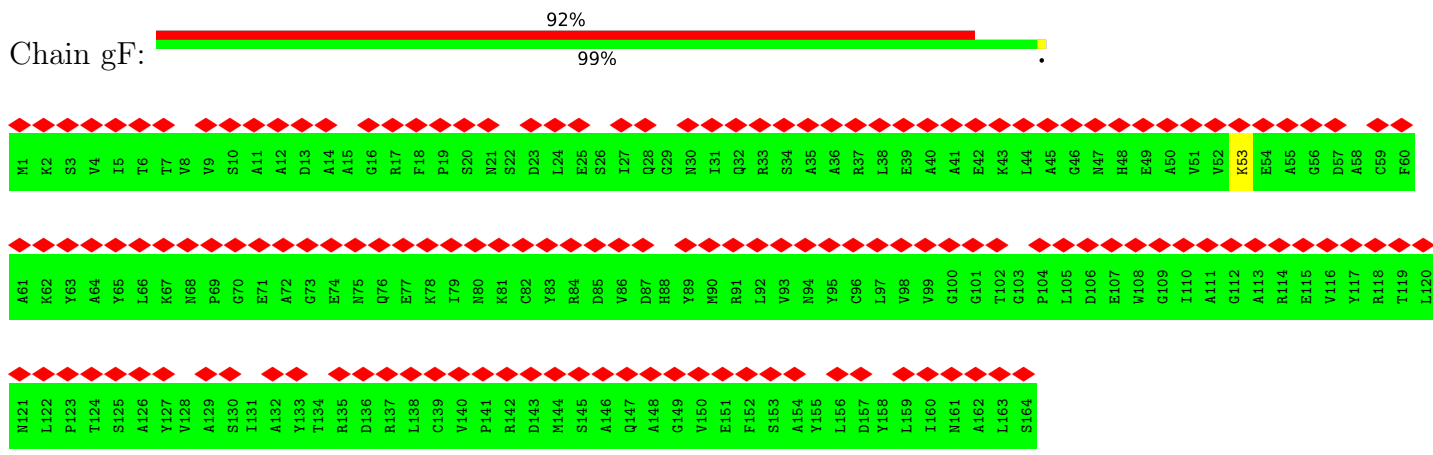
• Molecule 3: Phycoerythrin alpha subunit



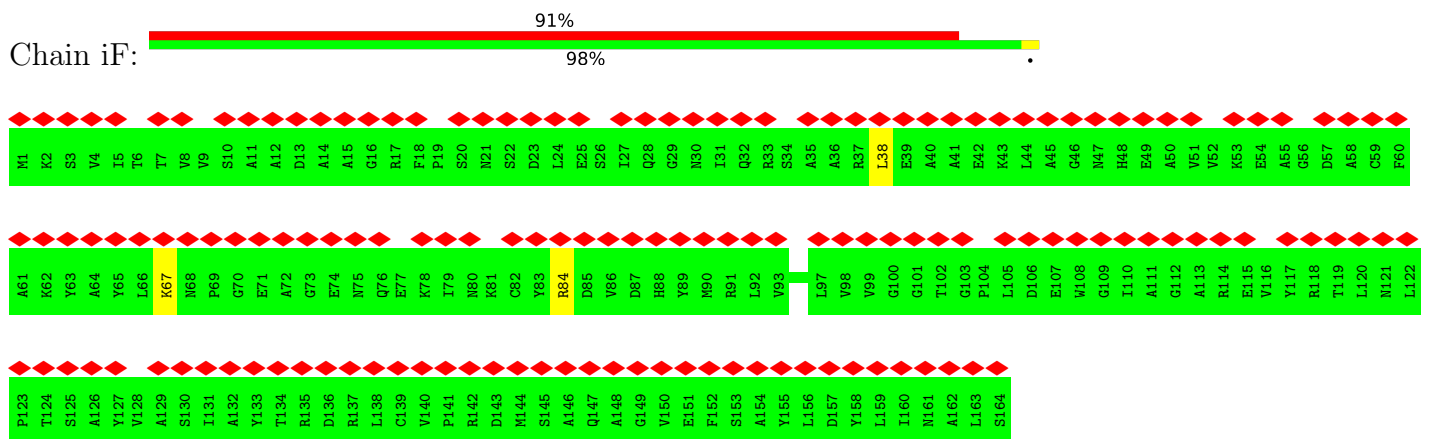
• Molecule 3: Phycoerythrin alpha subunit



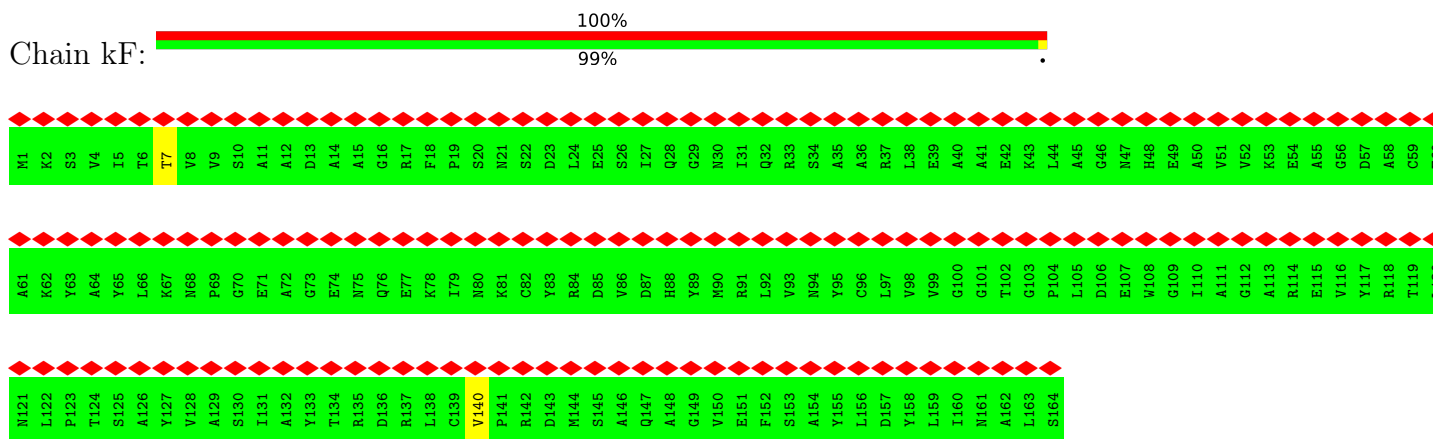
• Molecule 3: Phycoerythrin alpha subunit



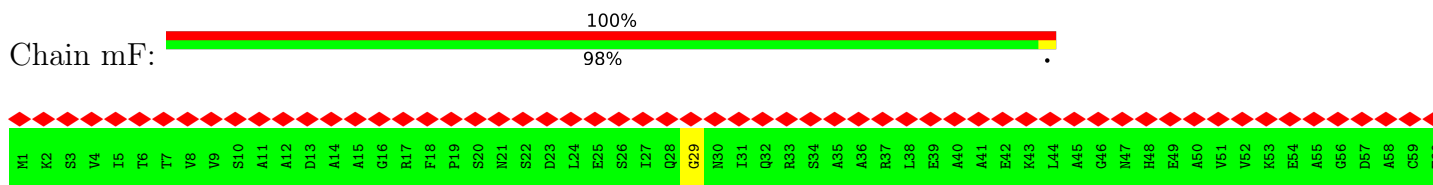
● Molecule 3: Phycoerythrin alpha subunit

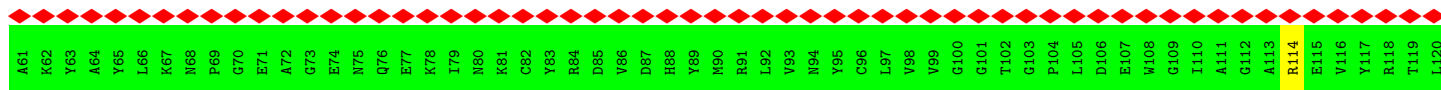


● Molecule 3: Phycoerythrin alpha subunit

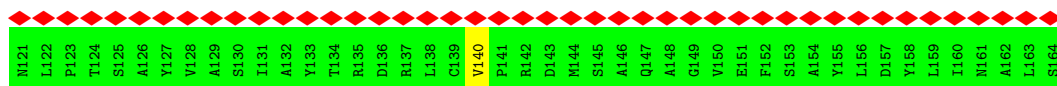
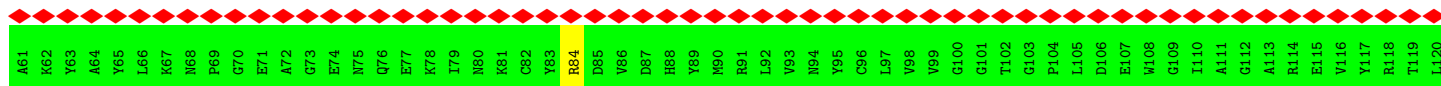
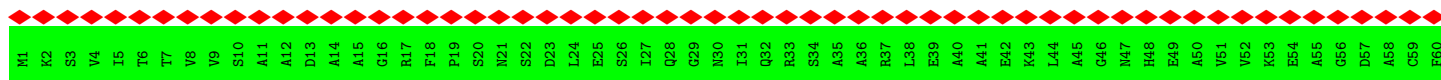


● Molecule 3: Phycoerythrin alpha subunit

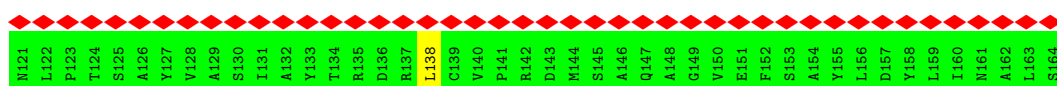
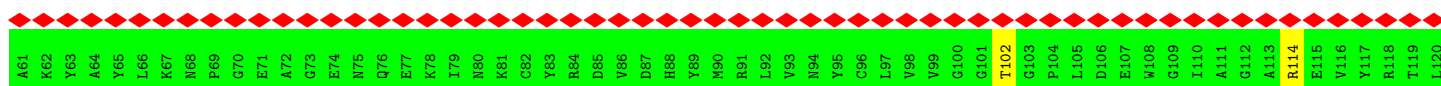
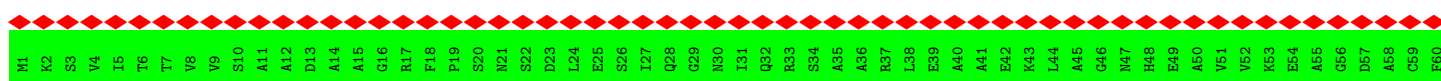




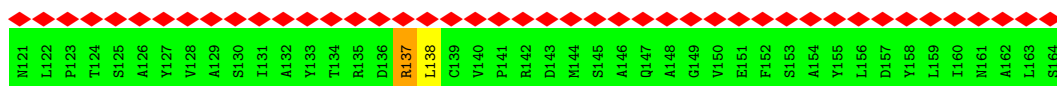
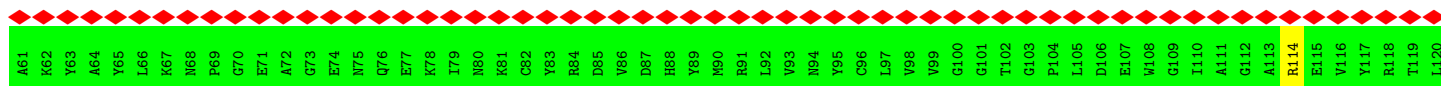
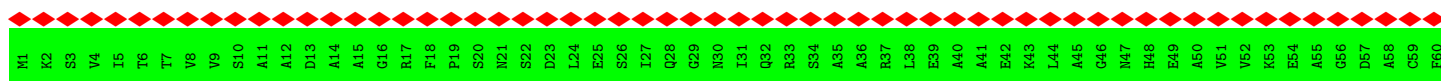
• Molecule 3: Phycoerythrin alpha subunit



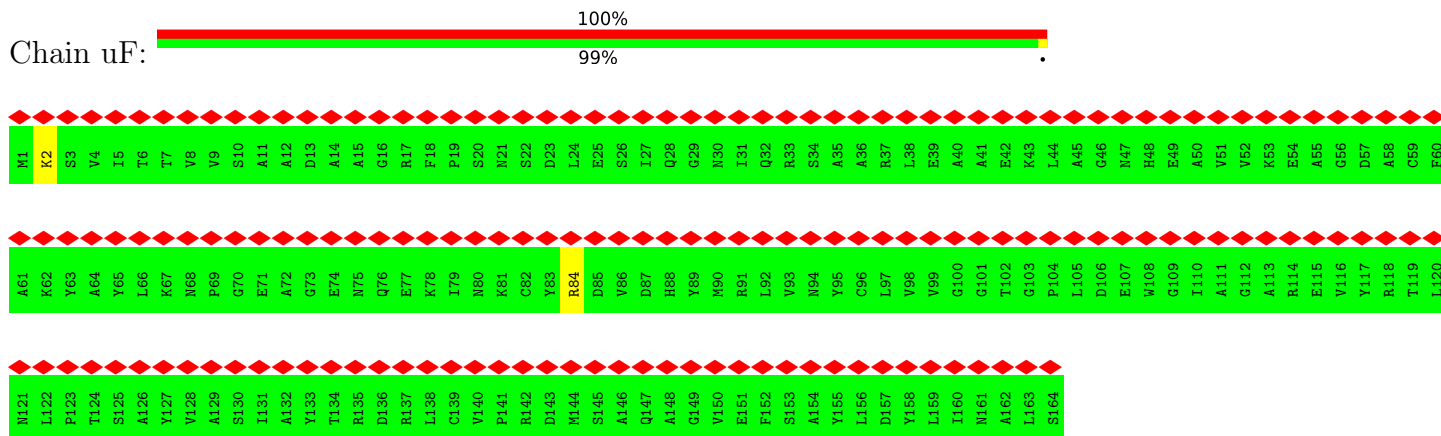
• Molecule 3: Phycoerythrin alpha subunit



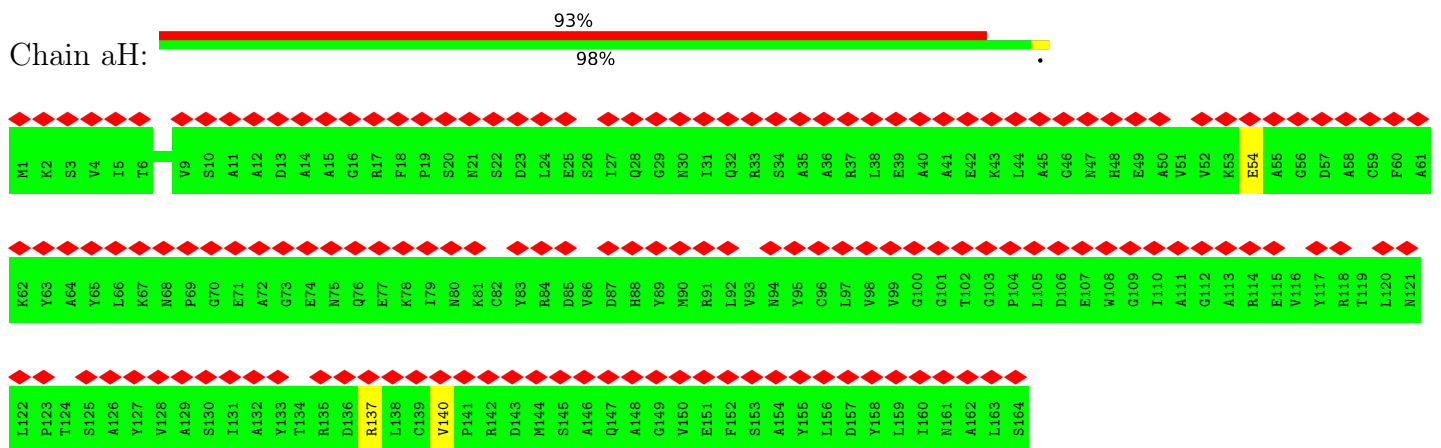
• Molecule 3: Phycoerythrin alpha subunit



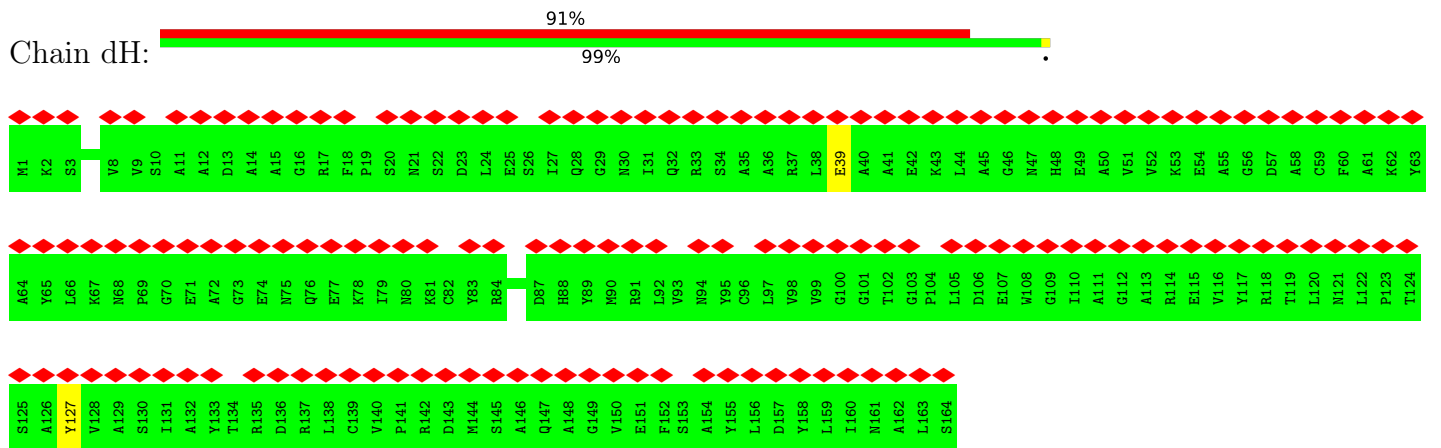
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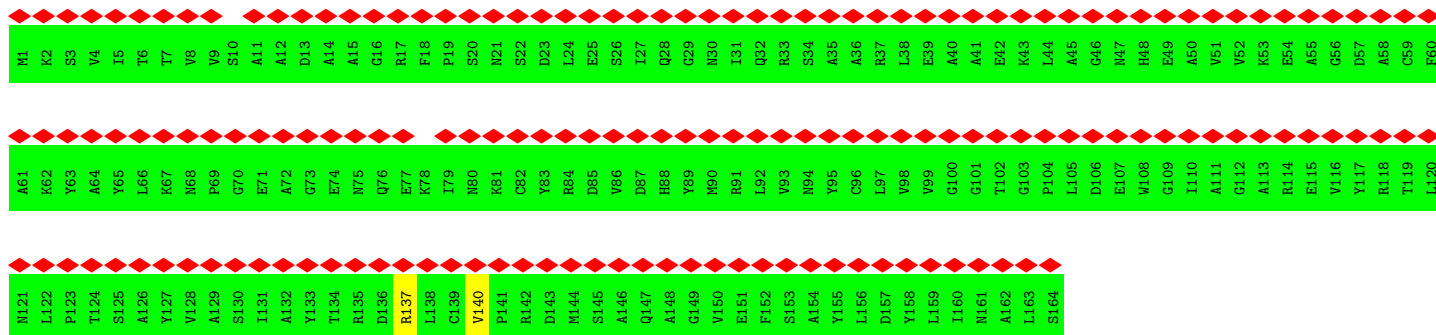


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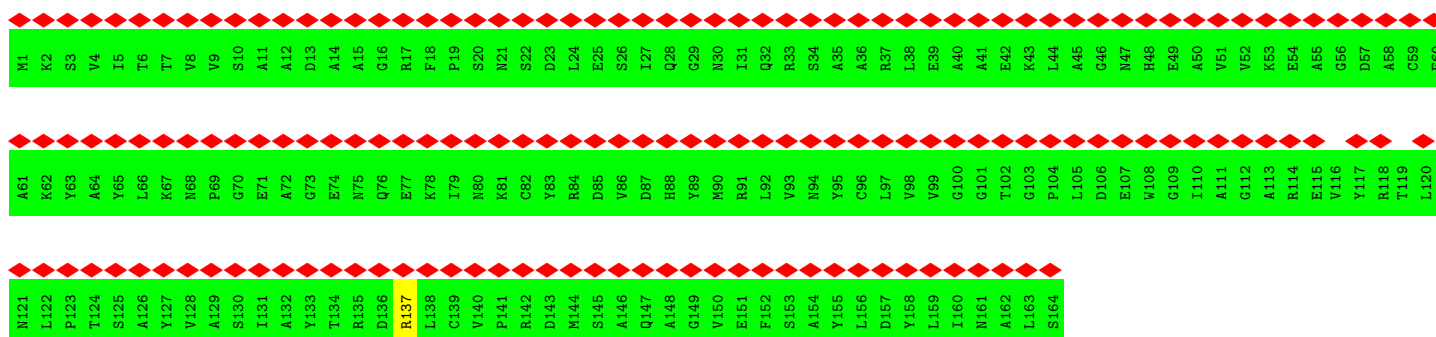


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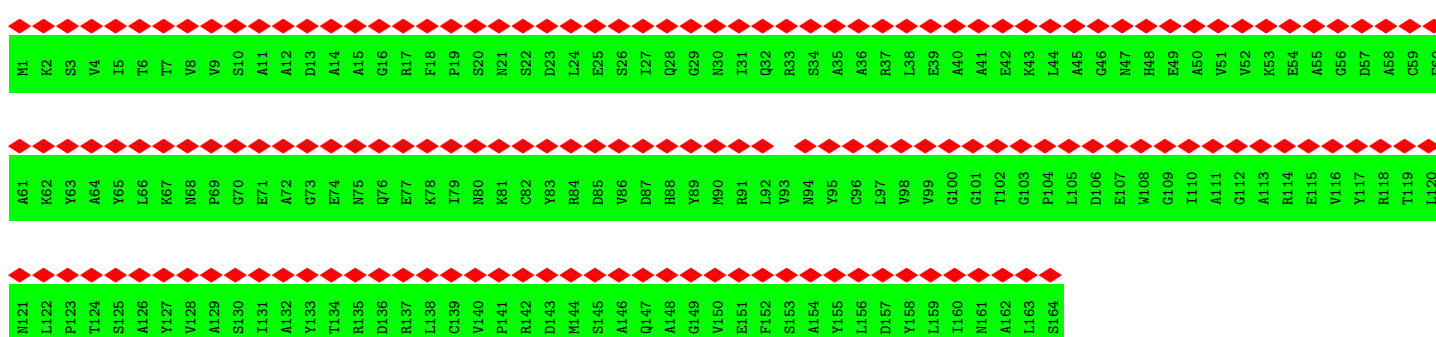




• Molecule 3: Phycoerythrin alpha subunit

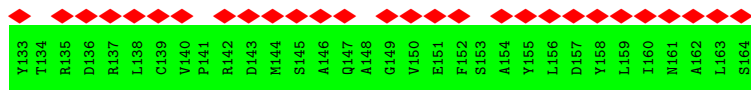


• Molecule 3: Phycoerythrin alpha subunit

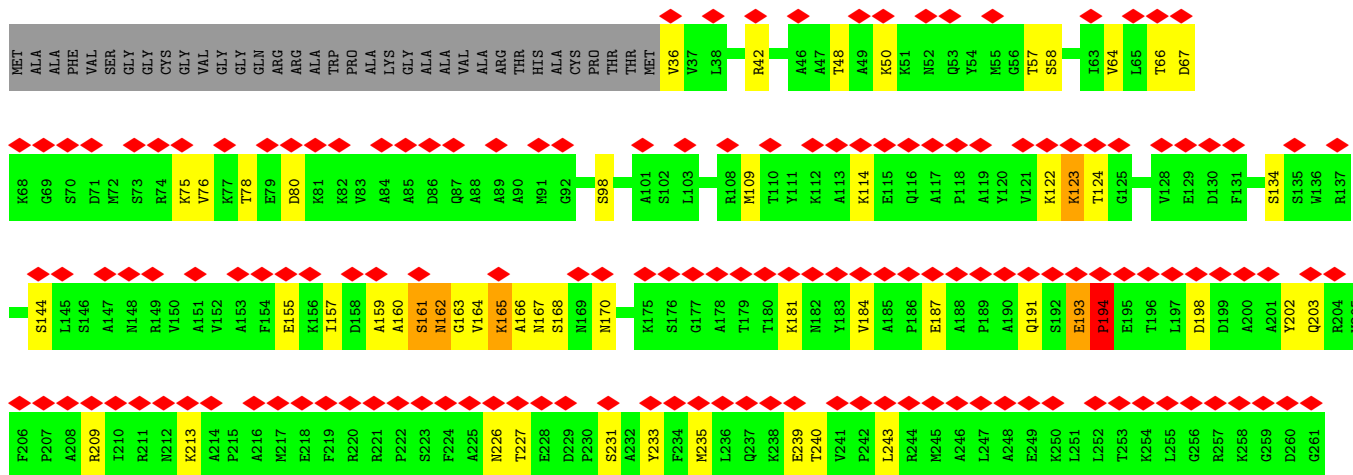


• Molecule 3: Phycoerythrin alpha subunit

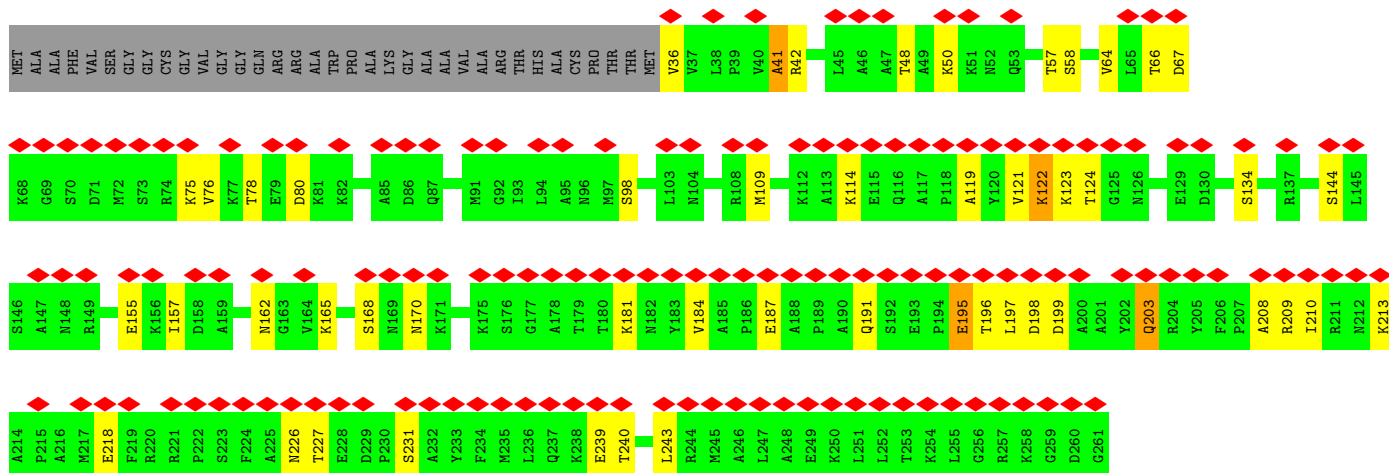




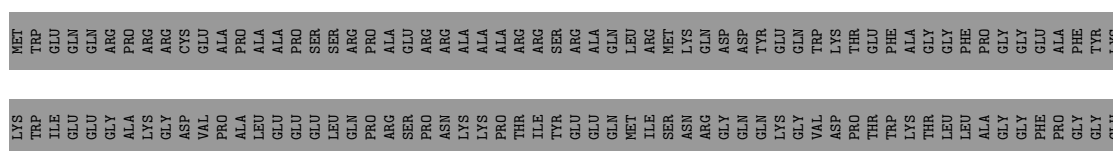
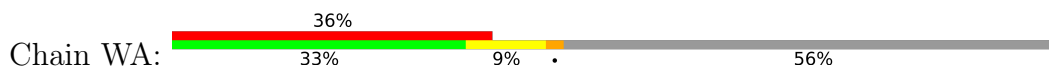
• Molecule 4: CaRSPs1

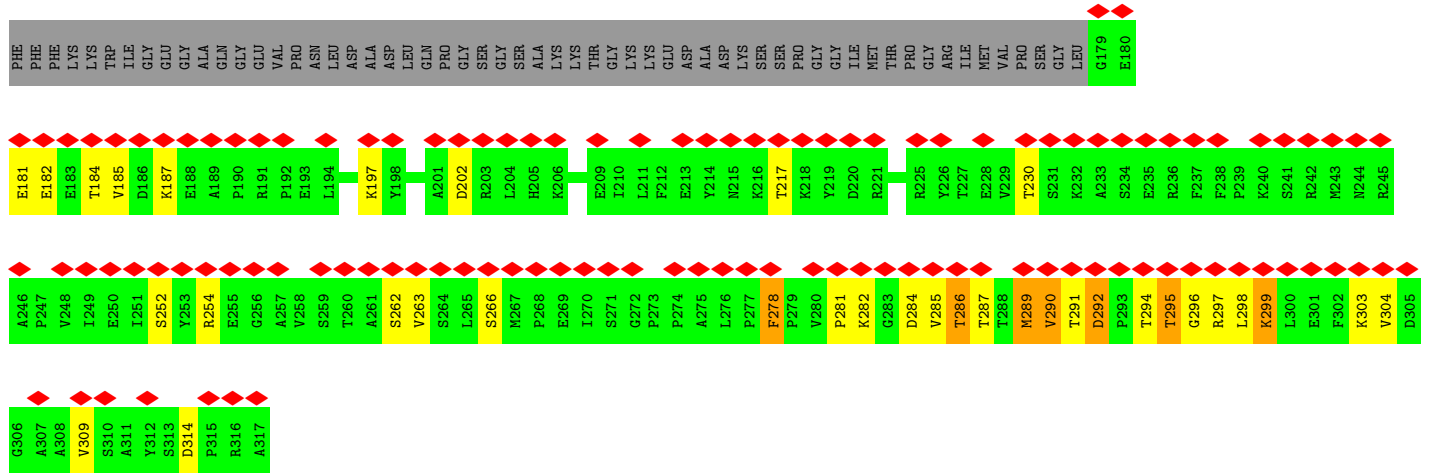


• Molecule 4: CaRSPs1

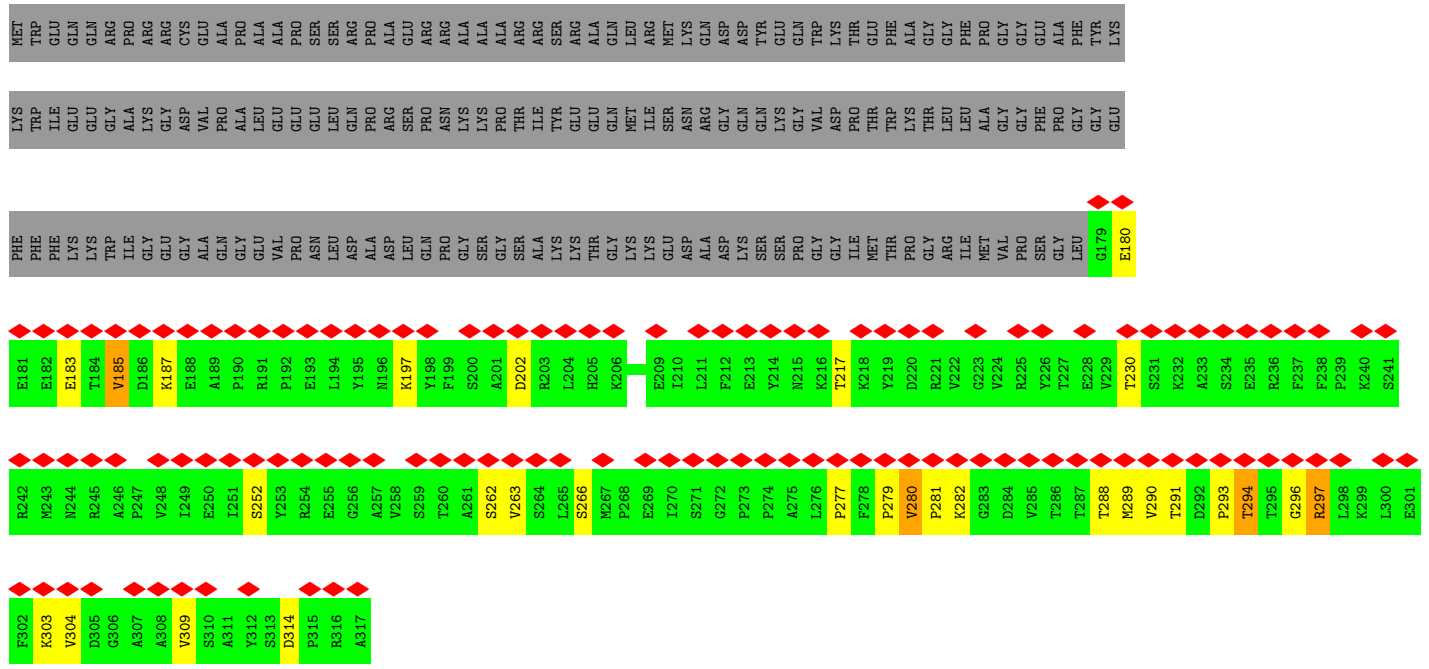
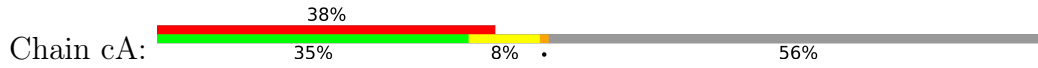


• Molecule 5: CaRSPs2

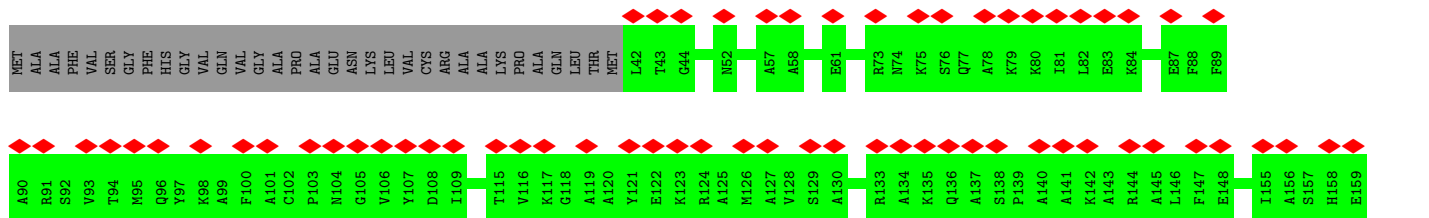
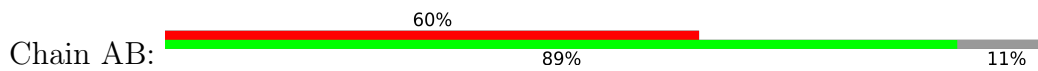


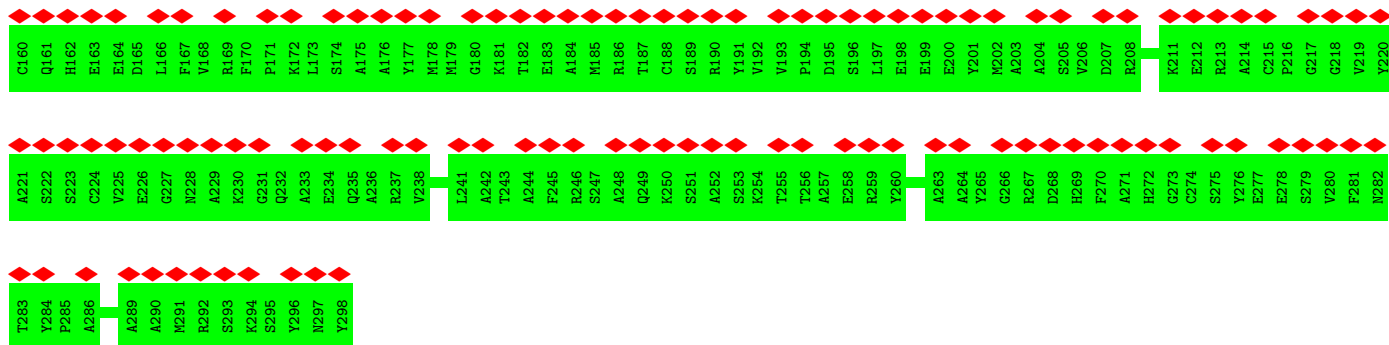


• Molecule 5: CaRSPs2

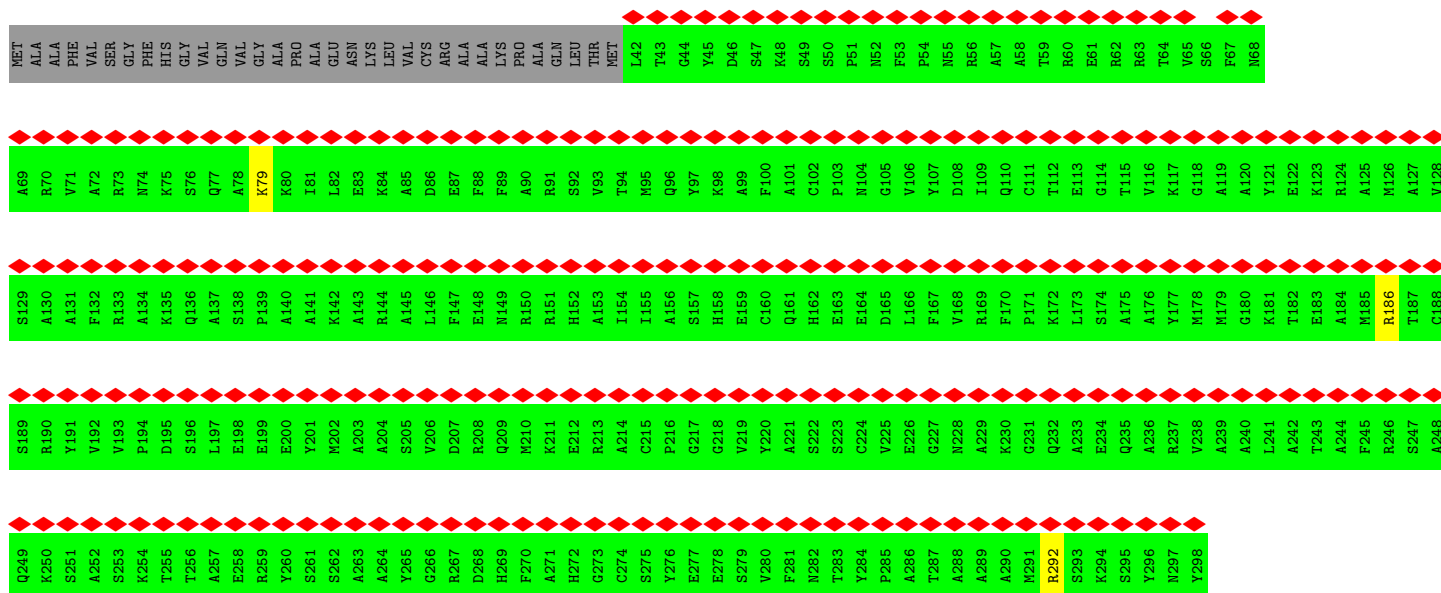
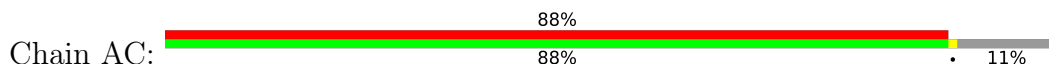


• Molecule 6: R-phycoerythrin gamma chain, chloroplastic

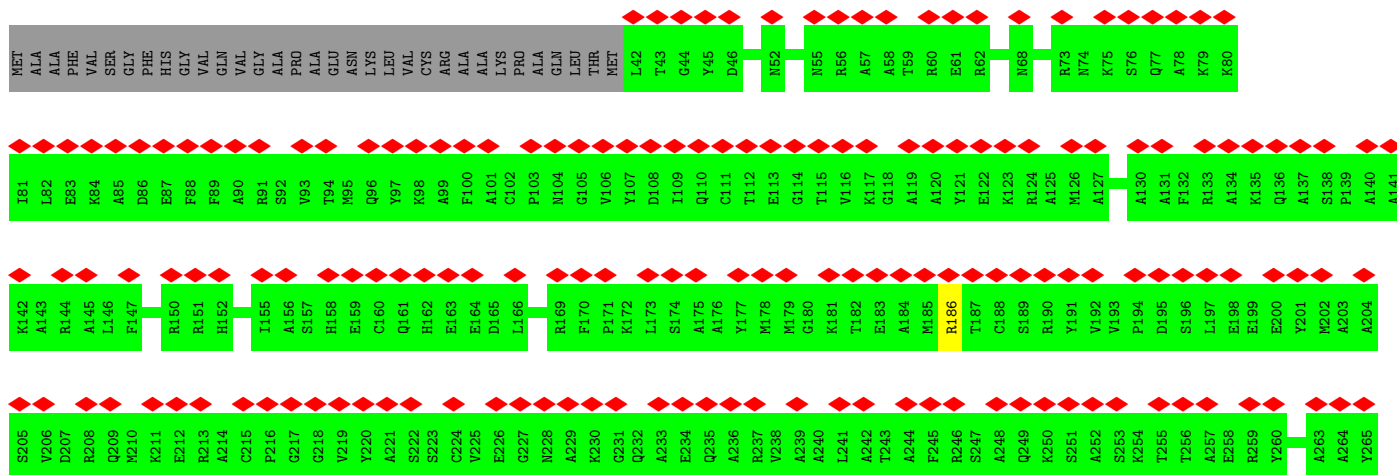
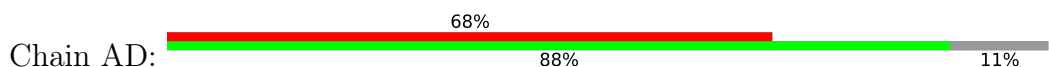


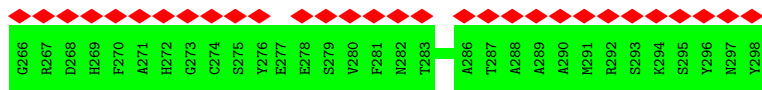


• Molecule 6: R-phycoerythrin gamma chain, chloroplastic

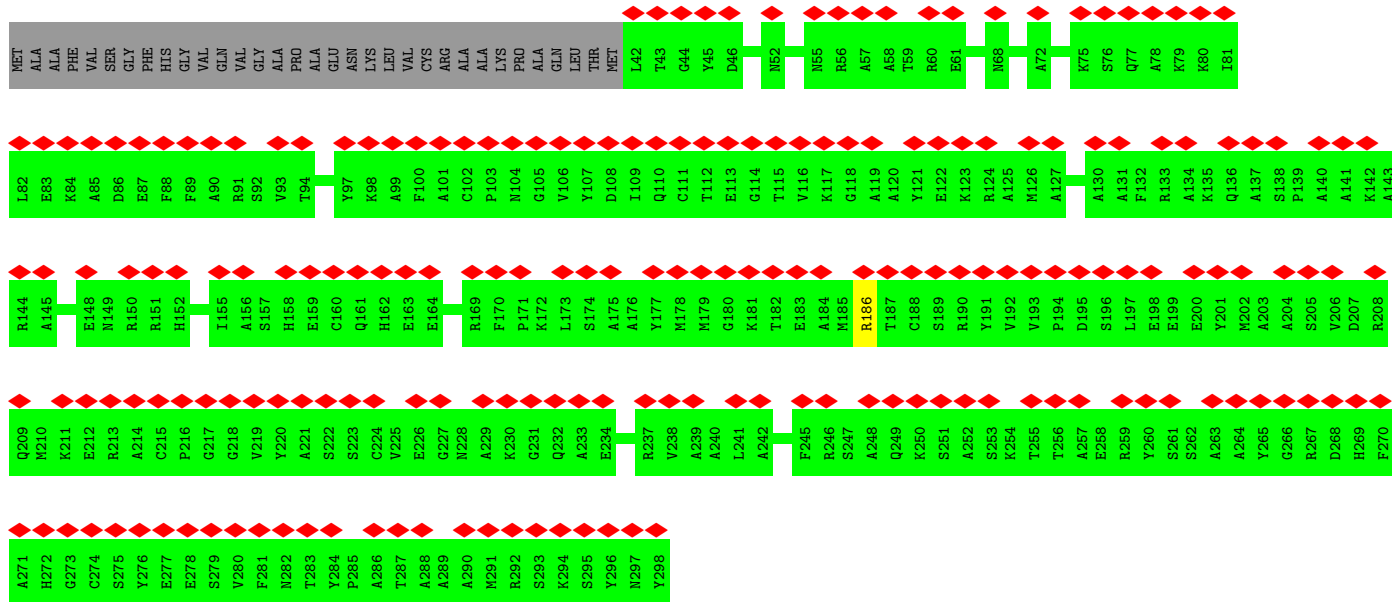
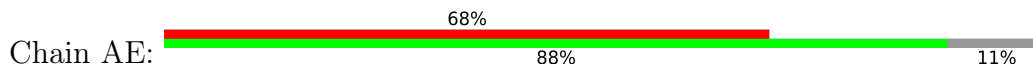


• Molecule 6: R-phycoerythrin gamma chain, chloroplastic

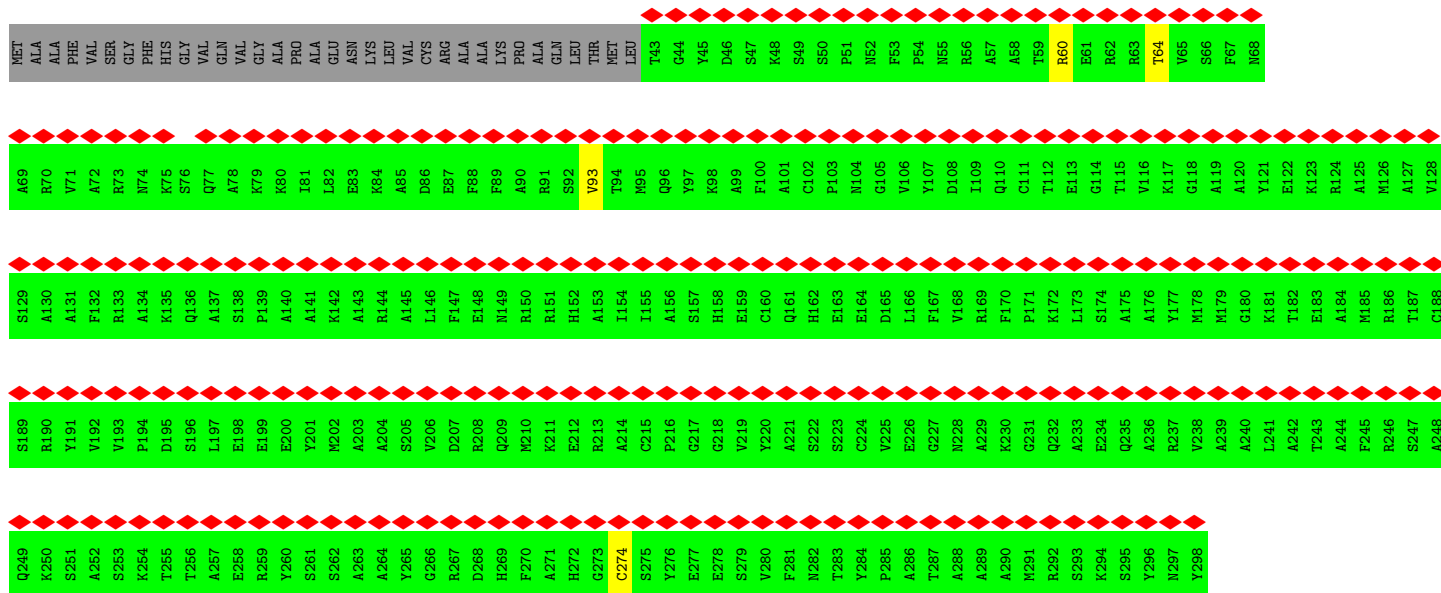
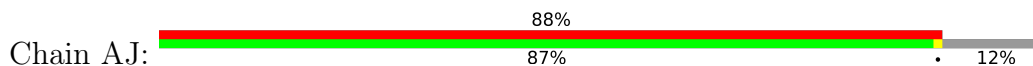




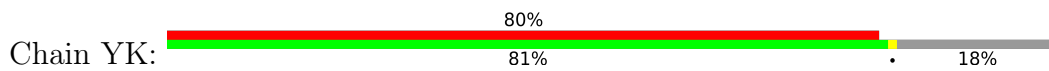
• Molecule 6: R-phycoerythrin gamma chain, chloroplastic



• Molecule 6: R-phycoerythrin gamma chain, chloroplastic

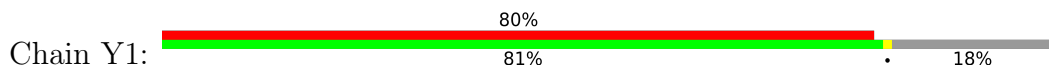


• Molecule 6: R-phycoerythrin gamma chain, chloroplastic



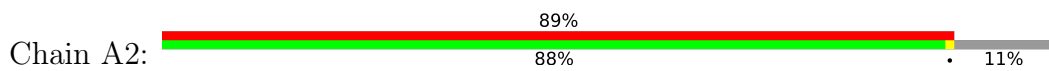
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A69	R70	V71	A72	R73	N74	K75	S76	Q77	A78	K79	K80	I81	L82	E83	K84	A85	D86	E87	F88	F89	A90	R91	S92	V93	T94	M95	Q96	Y97	K98	A99	F100	A101	C102	P103	N104	G105	V106	Y107	D108	I109	Q110	C111	T112	E113	G114	T115	V116	K117	G118	A119	A120	Y121	E122	K123	R124	A125	M126	A127	V128		
S129	A130	A131	F132	R133	A134	K135	Q136	A137	S138	P139	A140	A141	K142	A143	R144	A145	D207	E148	M149	R150	A151	H152	A153	I154	I155	A156	S157	H158	E159	C160	Q161	H162	E163	E164	D165	L166	F167	V168	A169	F170	P171	K172	L173	S174	A175	A176	Y177	M178	M179	G180	K181	E182	T183	E183	A184	M185	R186	T187	C188		
S189	R190	Y191	V192	P193	P194	D195	S196	L197	E198	E199	E200	Y201	M202	A203	A204	S205	D207	R208	Q209	M210	K211	R212	R213	A214	C215	P216	G217	G218	V219	Y220	A221	S222	S223	C224	V225	E226	G227	M228	A229	G231	Q232	A233	E234	Q235	A236	R237	V238	A239	A240	L241	A242	T243	A244	F245	R246	S247	A248				
Q249	K250	S251	A252	S253	K254	T255	T256	A257	E258	R259	Y260	S261	S262	A263	A264	Y265	G266	R267	D268	H269	F270	A271	H272	G273	C274	Y276	E277	E278	S279	V280	F281	N282	T283	Y284	P285	A286	T287	A288	A289	A290	M291	R292	S293	K294	S295	Y296	M297	Y298													

• Molecule 6: R-phycoerythrin gamma chain, chloroplastic

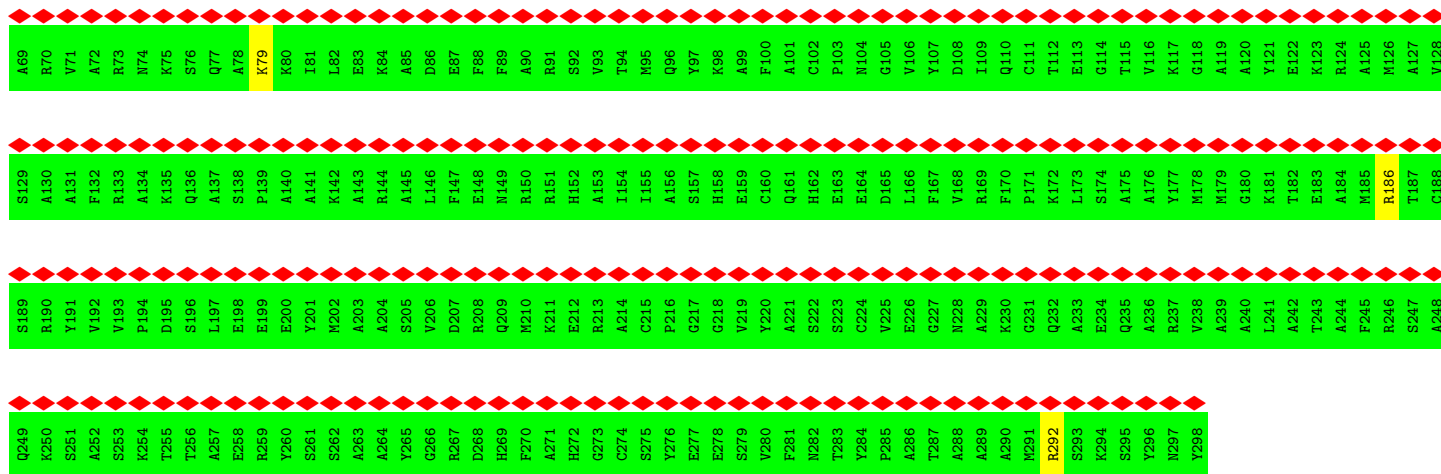


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A69	R70	V71	A72	R73	N74	K75	S76	Q77	A78	K79	K80	I81	L82	E83	K84	A85	D86	E87	F88	F89	A90	R91	S92	V93	T94	M95	Q96	Y97	K98	A99	F100	A101	C102	P103	N104	G105	V106	Y107	D108	I109	Q110	C111	T112	E113	G114	T115	V116	K117	G118	A119	A120	Y121	E122	K123	R124	A125	M126	A127	V128		
S129	A130	A131	F132	R133	A134	K135	Q136	A137	S138	P139	A140	A141	K142	A143	R144	A145	D207	E148	M149	R150	A151	H152	A153	I154	I155	A156	S157	H158	E159	C160	Q161	H162	E163	E164	D165	L166	F167	V168	A169	F170	P171	K172	L173	S174	A175	A176	Y177	M178	M179	G180	K181	E182	T183	E183	A184	M185	R186	T187	C188		
S189	R190	Y191	V192	P193	P194	D195	S196	L197	E198	E199	E200	Y201	M202	A203	A204	S205	D207	R208	Q209	M210	K211	R212	R213	A214	C215	P216	G217	G218	V219	Y220	A221	S222	S223	C224	V225	E226	G227	M228	A229	G231	Q232	A233	E234	Q235	A236	R237	V238	A239	A240	L241	A242	T243	A244	F245	R246	S247	A248				
Q249	K250	S251	A252	S253	K254	T255	T256	A257	E258	R259	Y260	S261	S262	A263	A264	Y265	G266	R267	D268	H269	F270	A271	H272	G273	C274	Y276	E277	E278	S279	V280	F281	N282	T283	Y284	P285	A286	T287	A288	A289	A290	M291	R292	S293	K294	S295	Y296	M297	Y298													

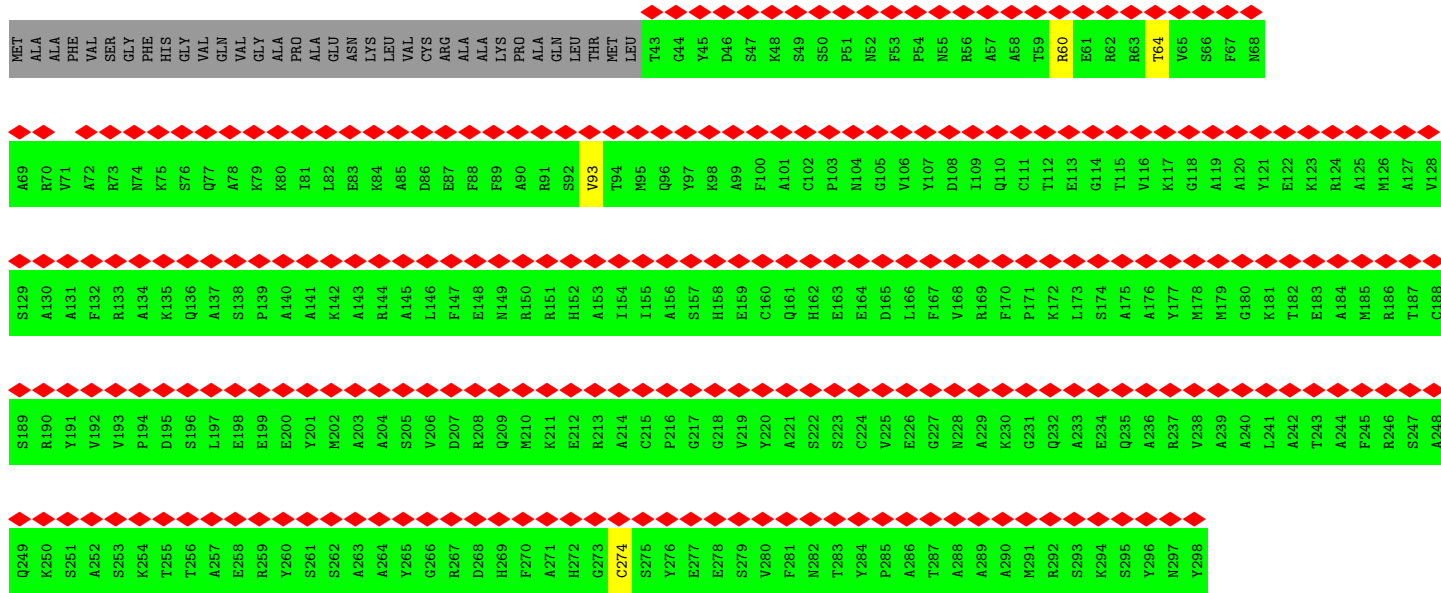
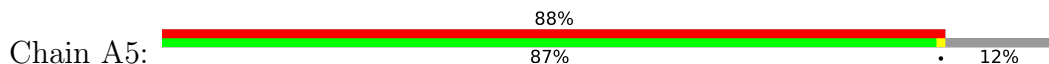
• Molecule 6: R-phycoerythrin gamma chain, chloroplastic



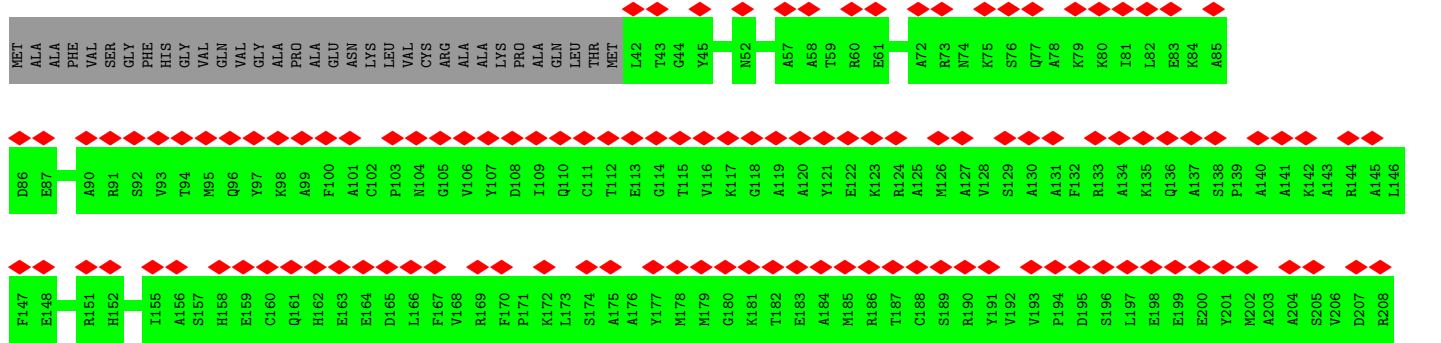
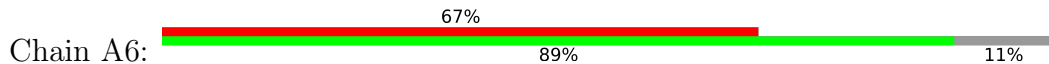
MET	ALA	ALA	PHE	VAL	SER	GLY	PHE	HIS	GLY	GLN	VAL	VAL	GLY	ALA	PRO	PRO	GLU	GLU	ASN	LYS	LEU	VAL	CYS	ARG	ALA	ALA	LYS	PRO	PRO	GLN	LEU	THR	MET	L42	T43	G44	Y45	D46	S47	K48	S49	S50	F51	N52	F53	P54	N55	R56	A57	A58	T59	R60	E61	R62	R63	T64	V65	S66	F67	N68
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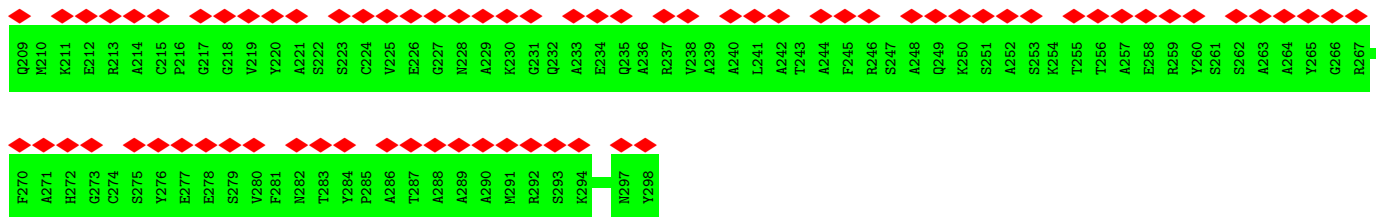


• Molecule 6: R-phycoerythrin gamma chain, chloroplastic

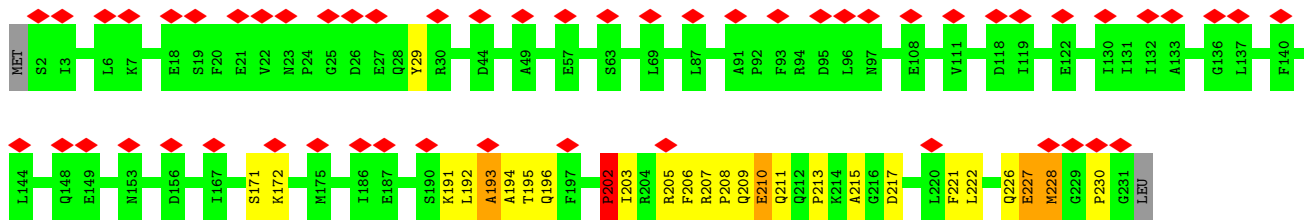
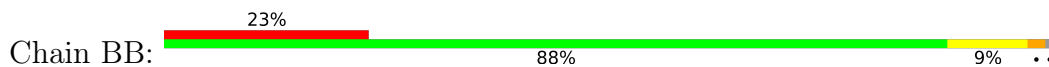


• Molecule 6: R-phycoerythrin gamma chain, chloroplastic

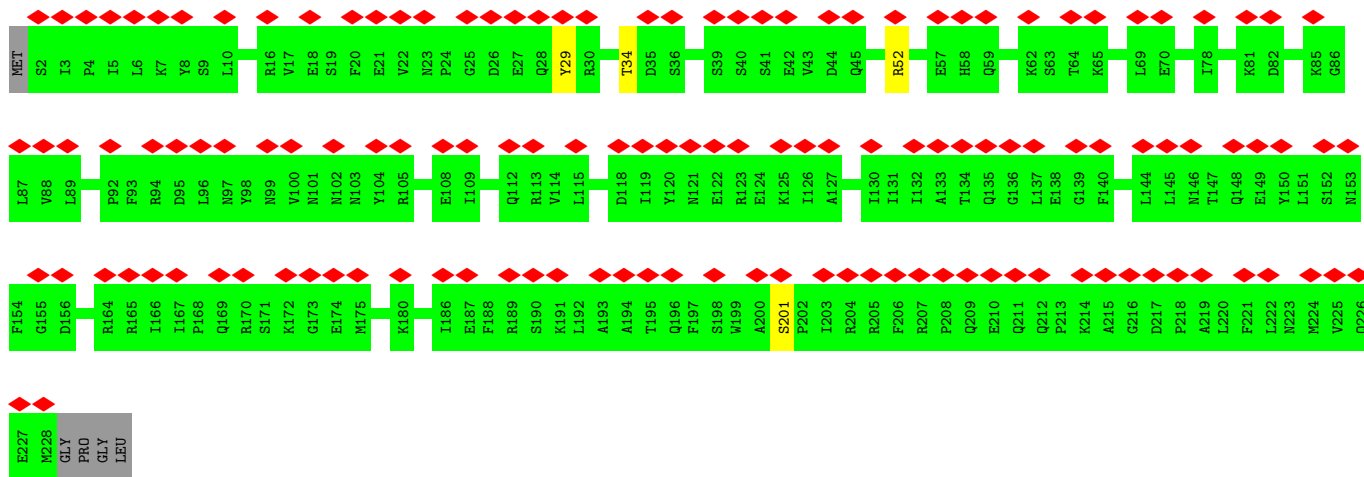




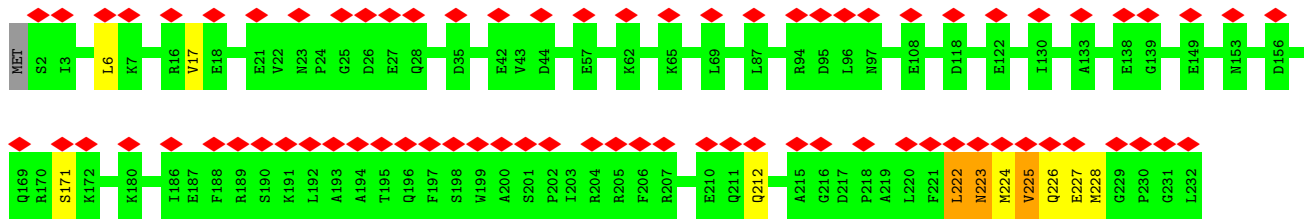
• Molecule 7: Phycobilisome rod-core linker polypeptide



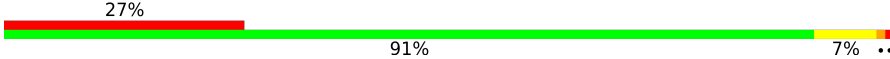
• Molecule 7: Phycobilisome rod-core linker polypeptide

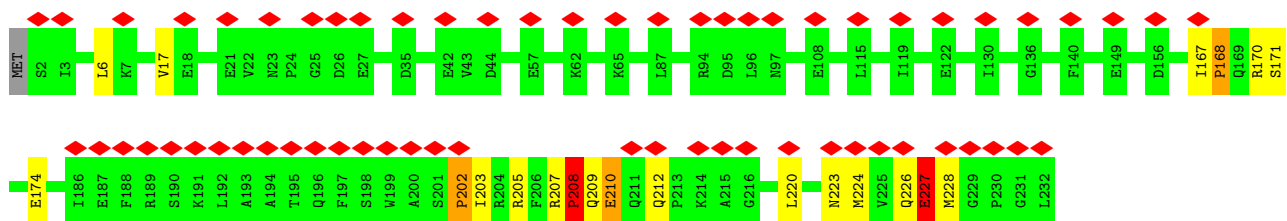


• Molecule 7: Phycobilisome rod-core linker polypeptide



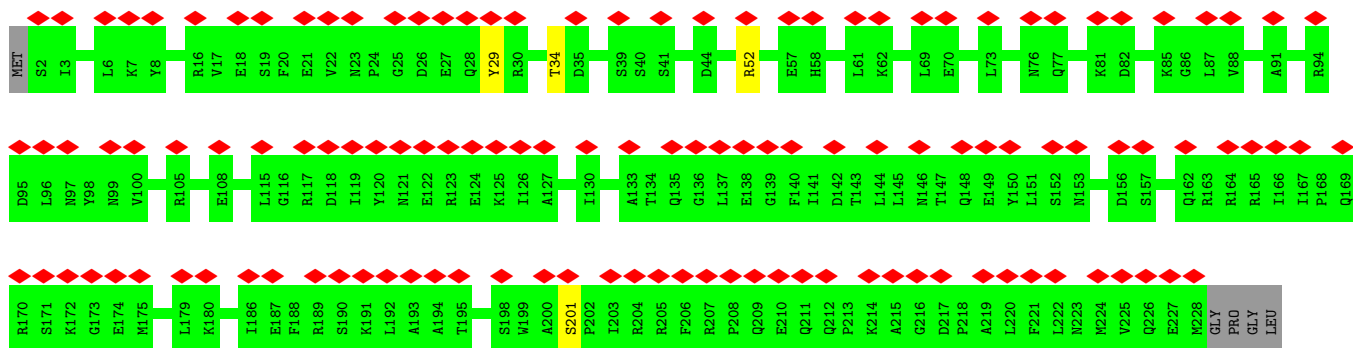
• Molecule 7: Phycobilisome rod-core linker polypeptide

Chain BE: 




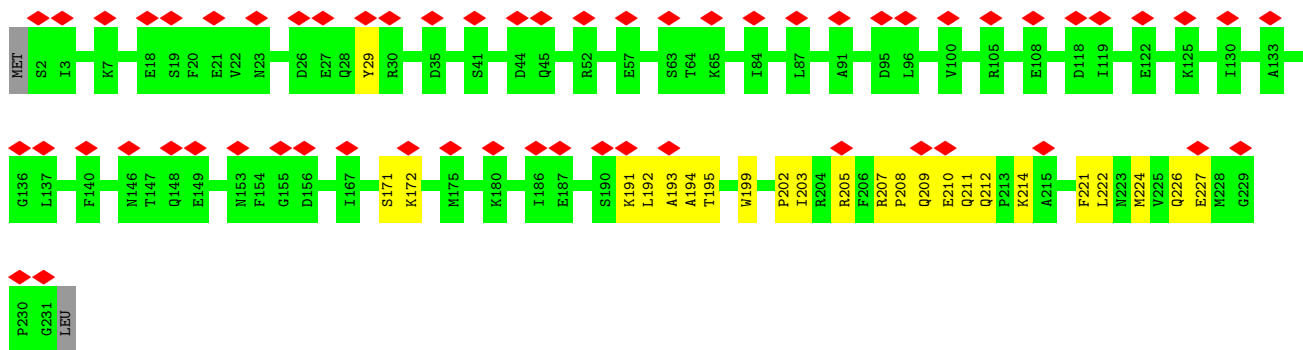
- Molecule 7: Phycobilisome rod-core linker polypeptide

Chain B2: 



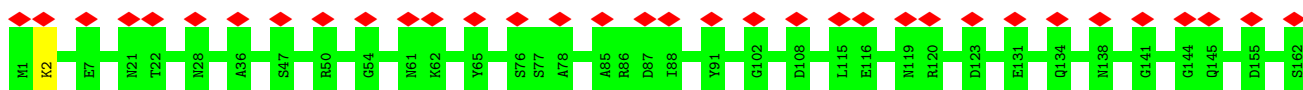
- Molecule 7: Phycobilisome rod-core linker polypeptide

Chain B6: 



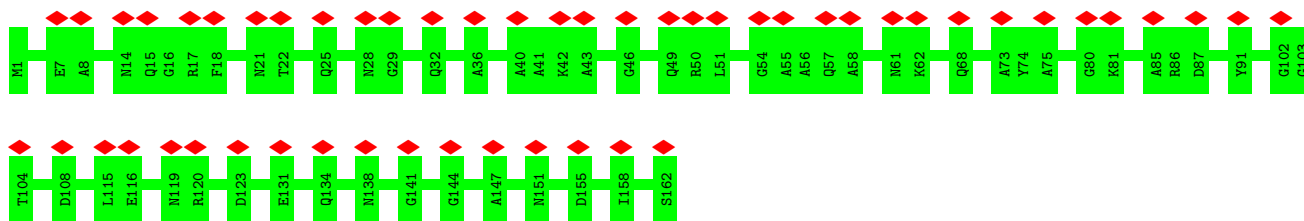
- Molecule 8: C-phycocyanin alpha subunit

Chain CB: 

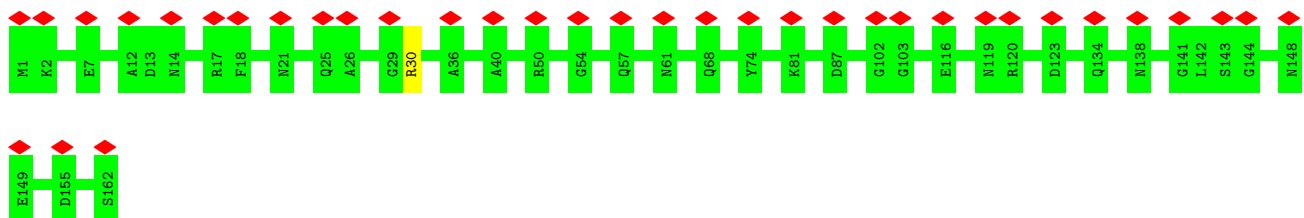


- Molecule 8: C-phycocyanin alpha subunit

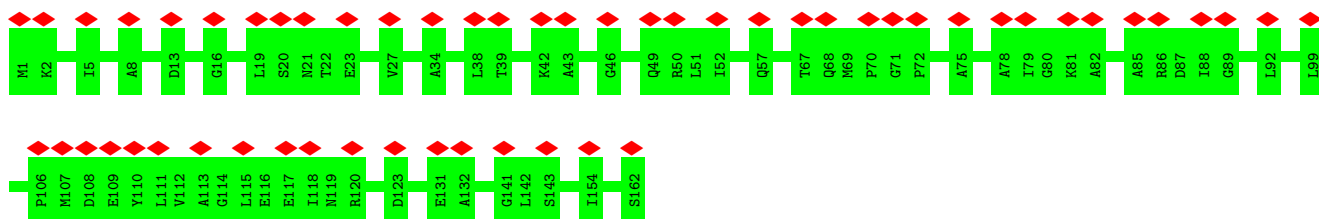
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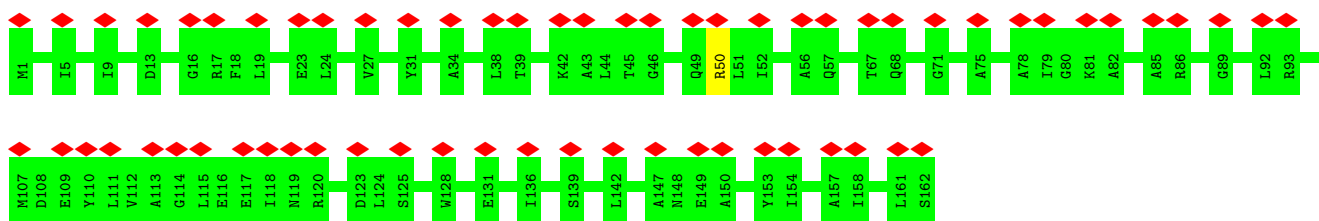
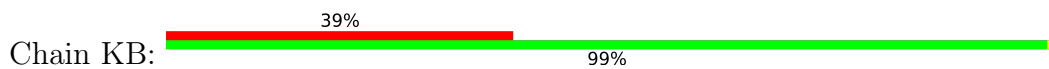
- Molecule 8: C-phycoerythrin alpha subunit



- Molecule 8: C-phycoerythrin alpha subunit

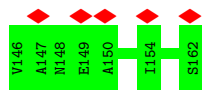


- Molecule 8: C-phycoerythrin alpha subunit

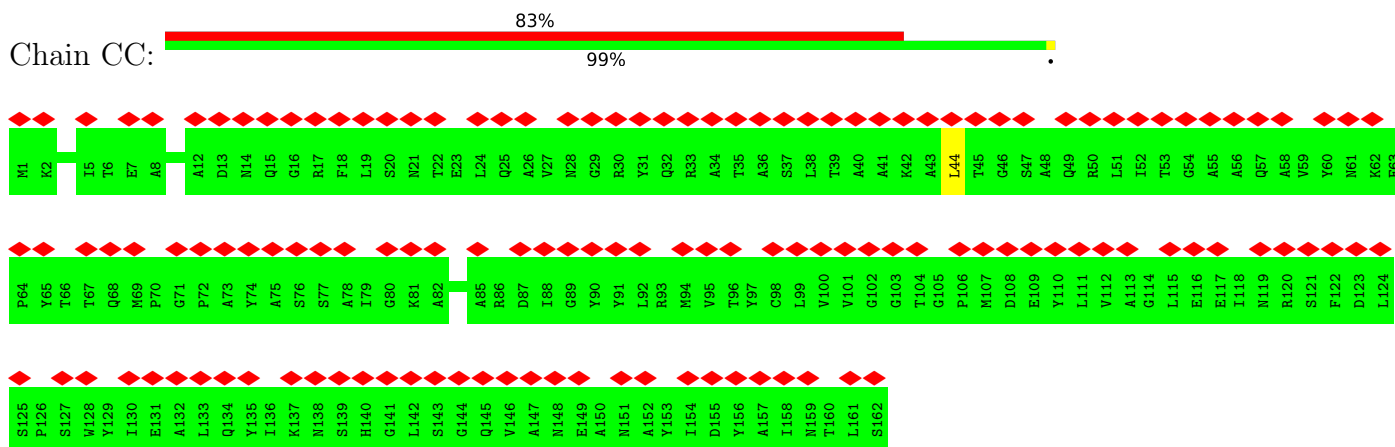


- Molecule 8: C-phycoerythrin alpha subunit

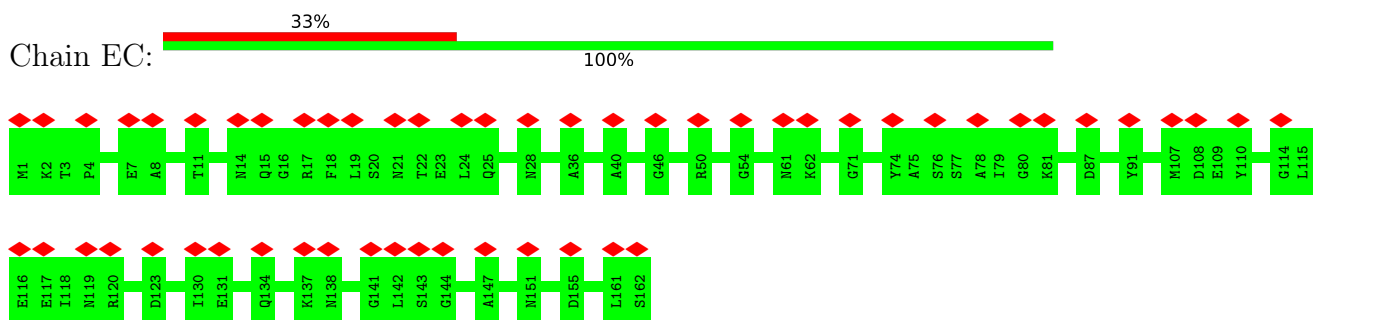




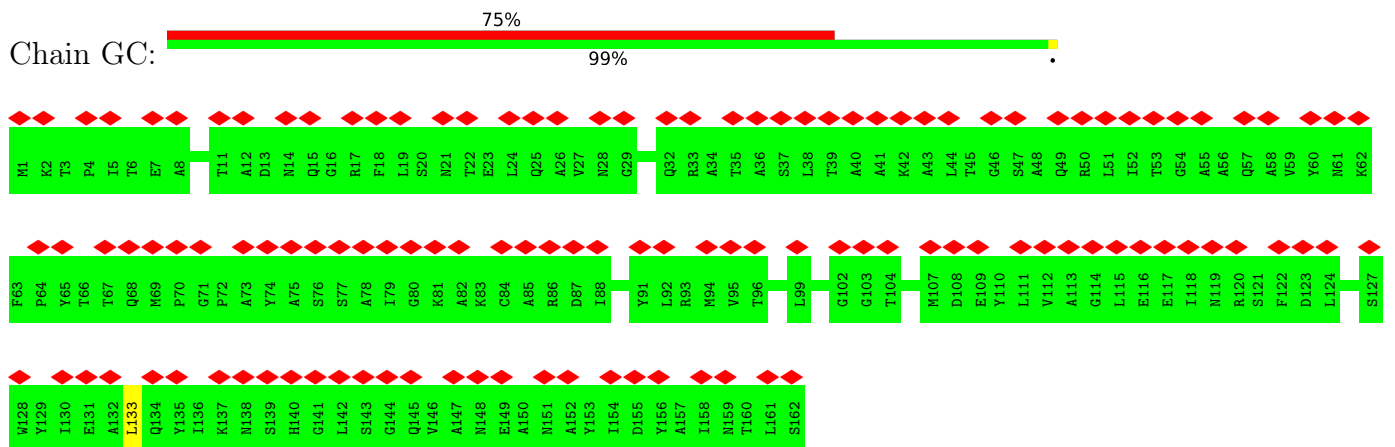
- Molecule 8: C-phycoerythrin alpha subunit



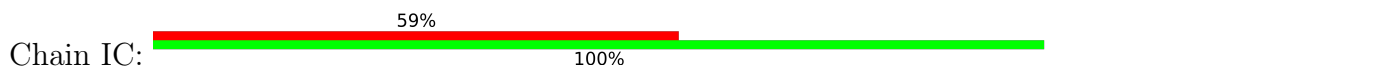
- Molecule 8: C-phycoerythrin alpha subunit

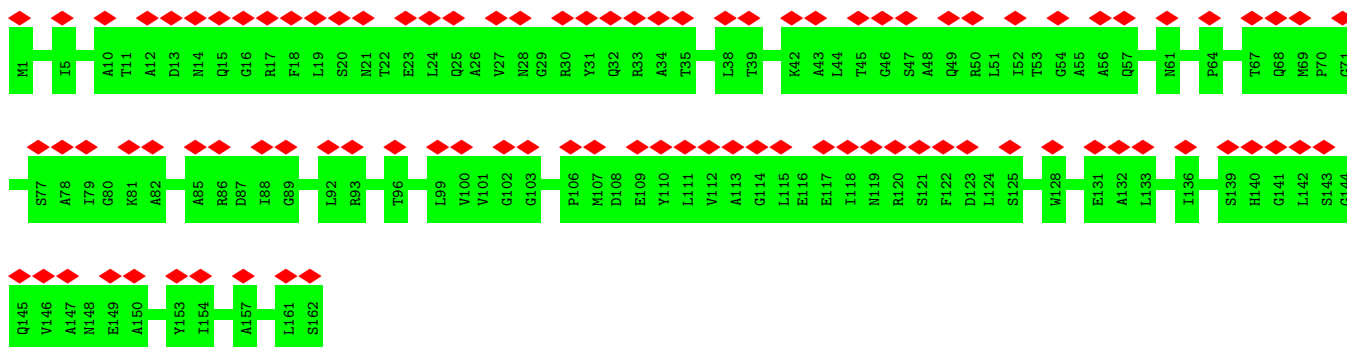


- Molecule 8: C-phycoerythrin alpha subunit

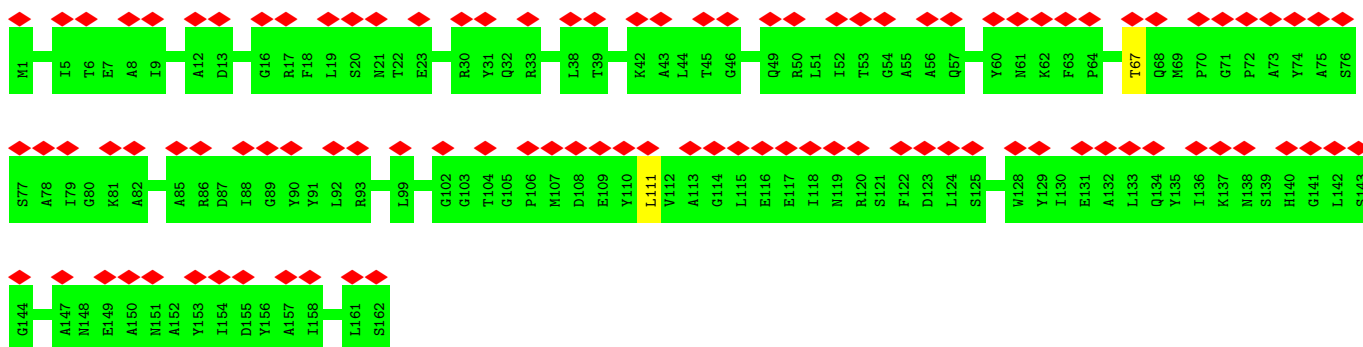


- Molecule 8: C-phycoerythrin alpha subunit

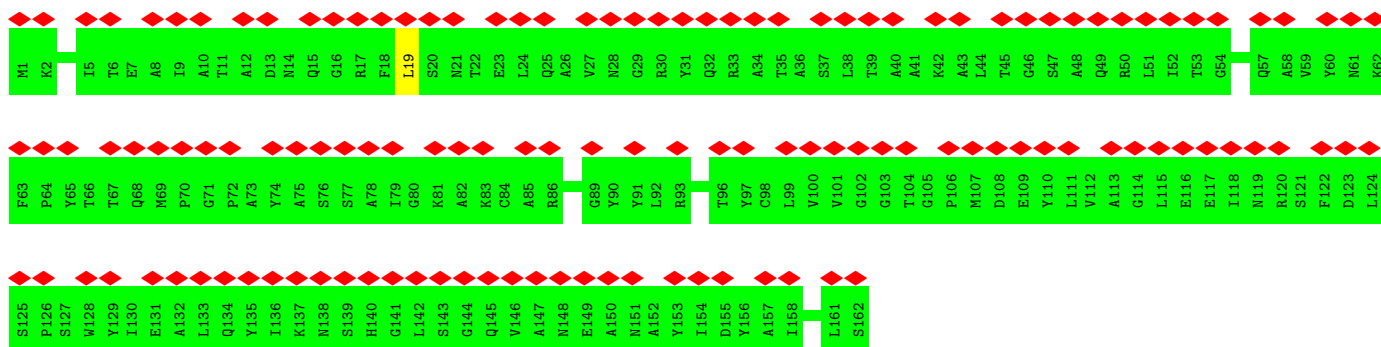
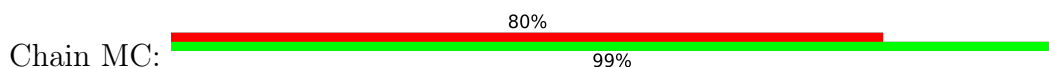




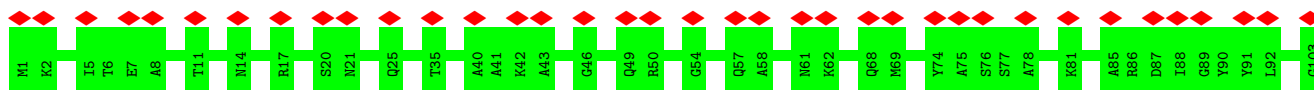
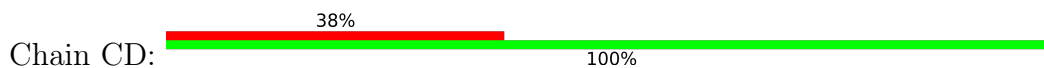
- Molecule 8: C-phycoerythrin alpha subunit

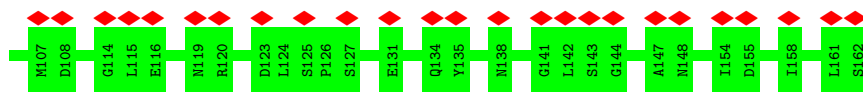


- Molecule 8: C-phycoerythrin alpha subunit

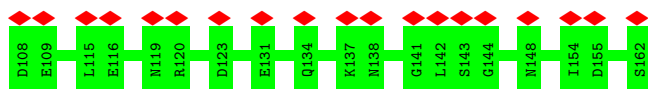
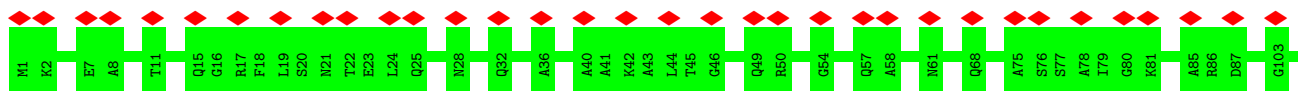


- Molecule 8: C-phycoerythrin alpha subunit

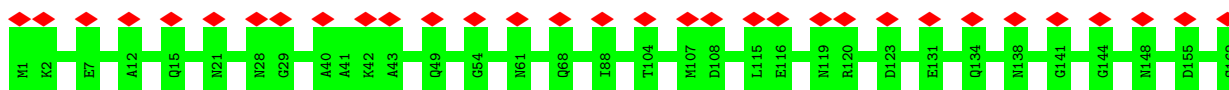




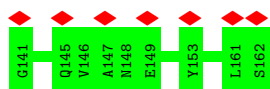
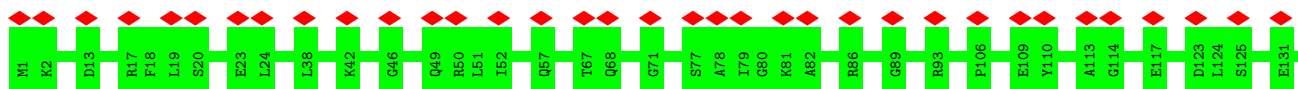
- Molecule 8: C-phycoerythrin alpha subunit



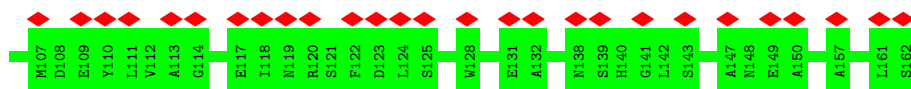
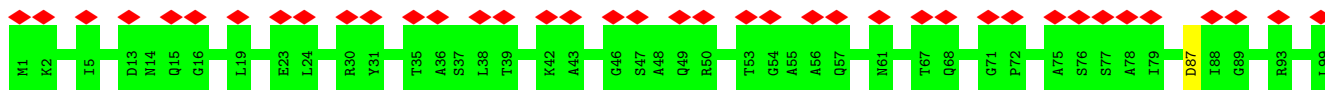
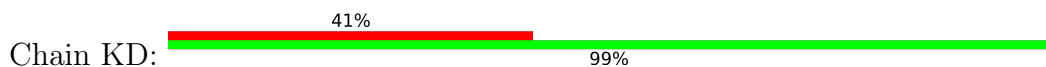
- Molecule 8: C-phycoerythrin alpha subunit



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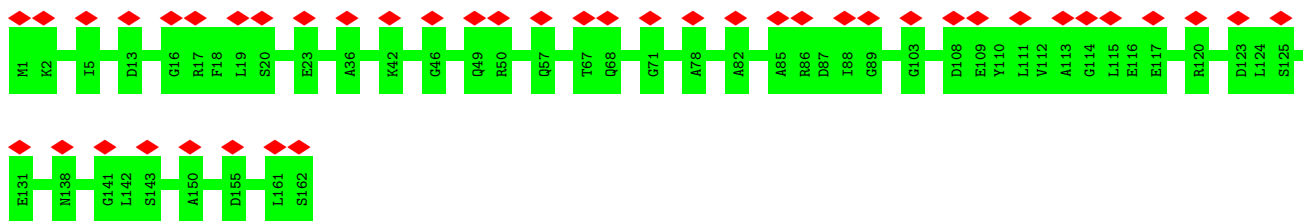


- Molecule 8: C-phycoerythrin alpha subunit

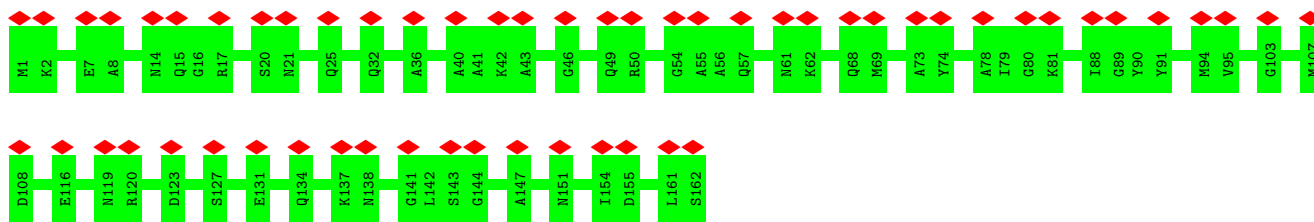


- Molecule 8: C-phycoerythrin alpha subunit

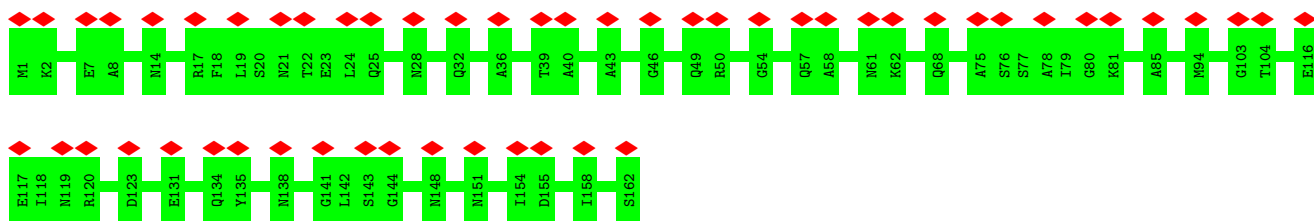




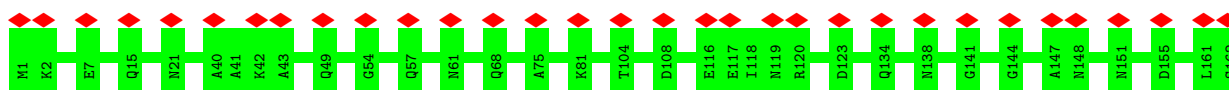
- Molecule 8: C-phycoerythrin alpha subunit



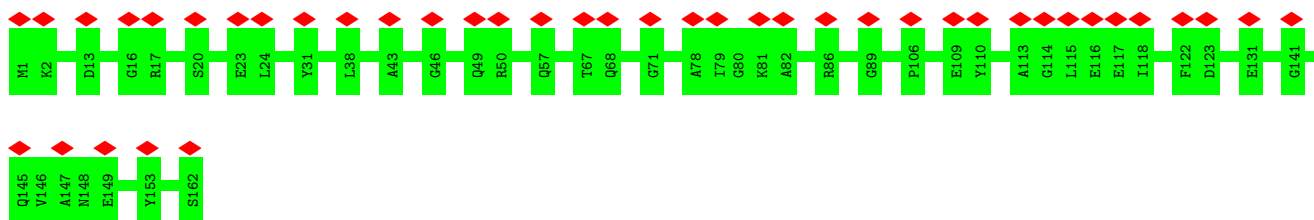
- Molecule 8: C-phycoerythrin alpha subunit



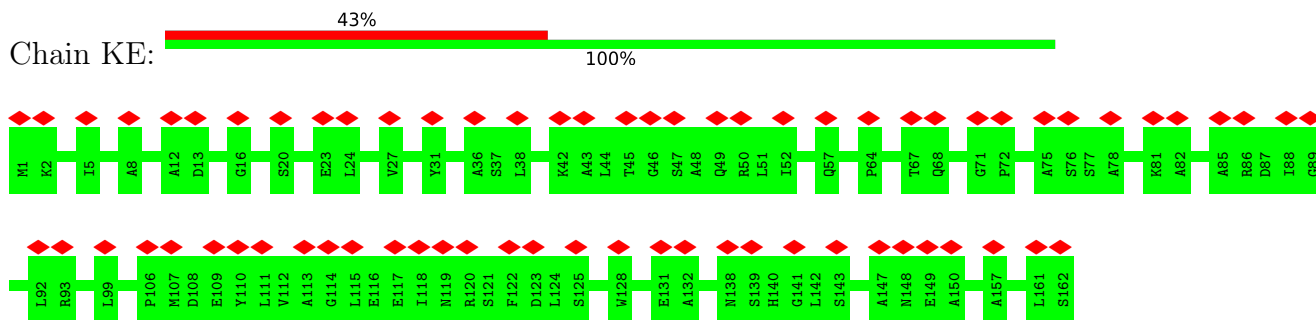
- Molecule 8: C-phycoerythrin alpha subunit



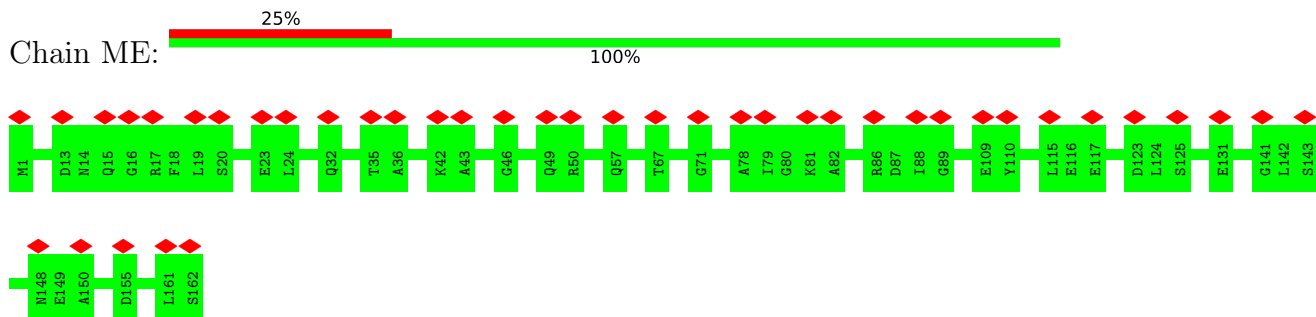
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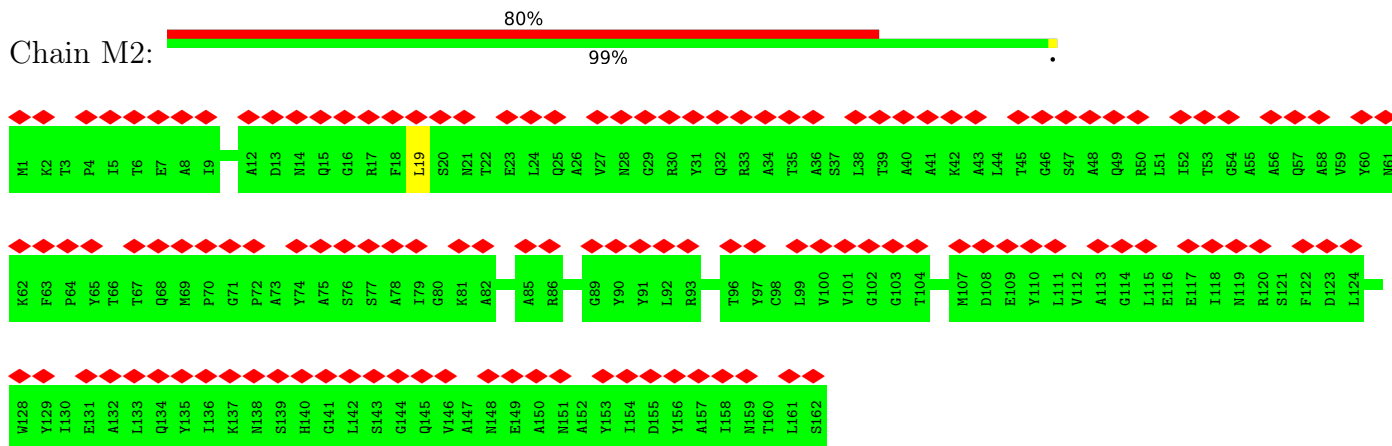
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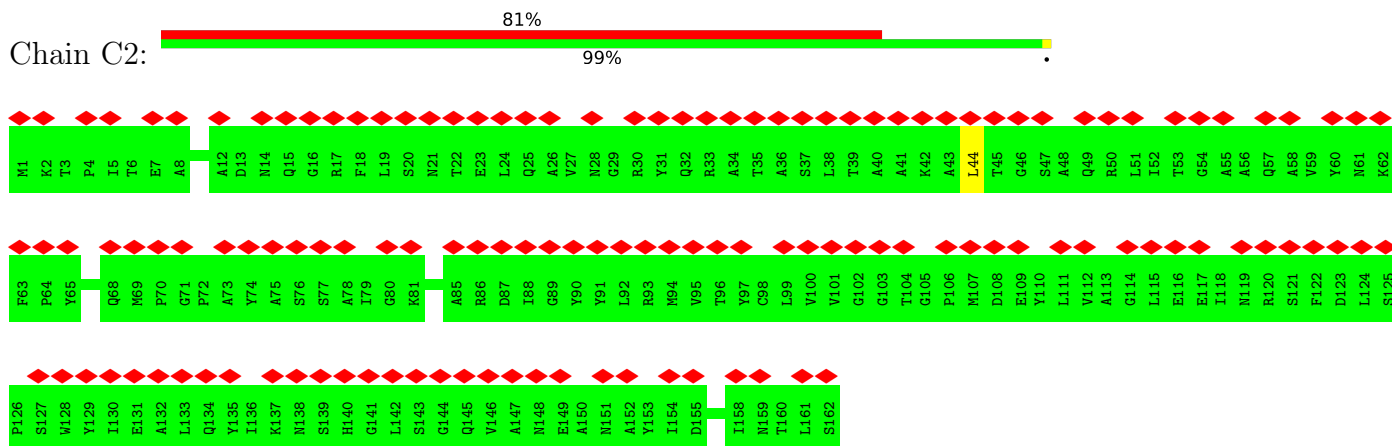
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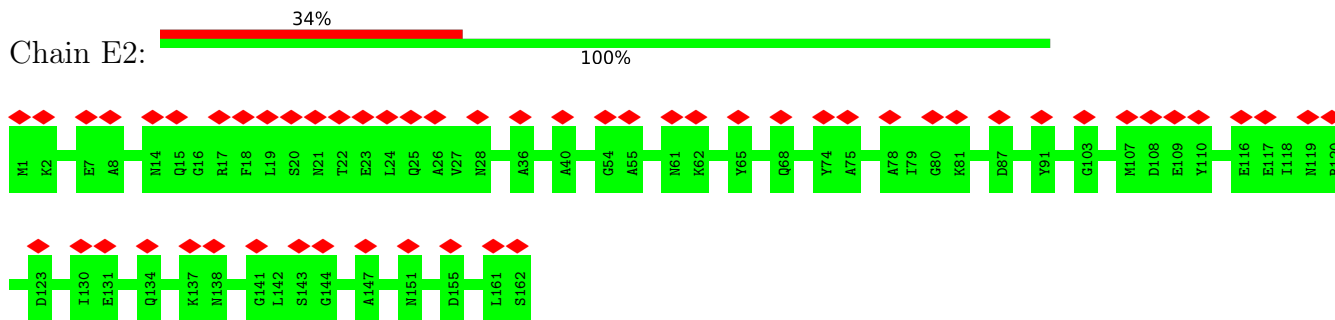
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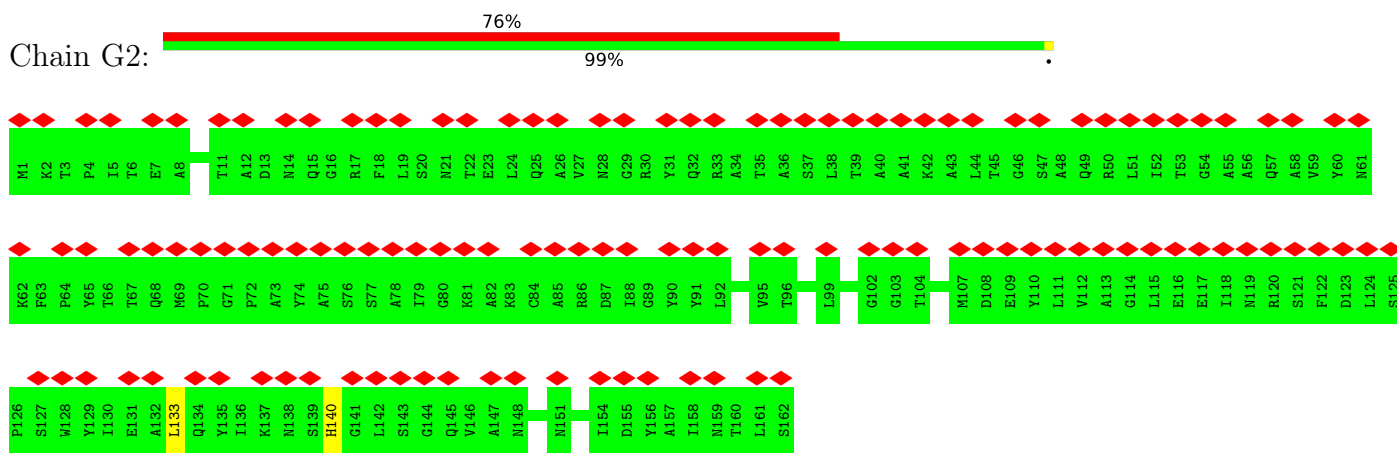
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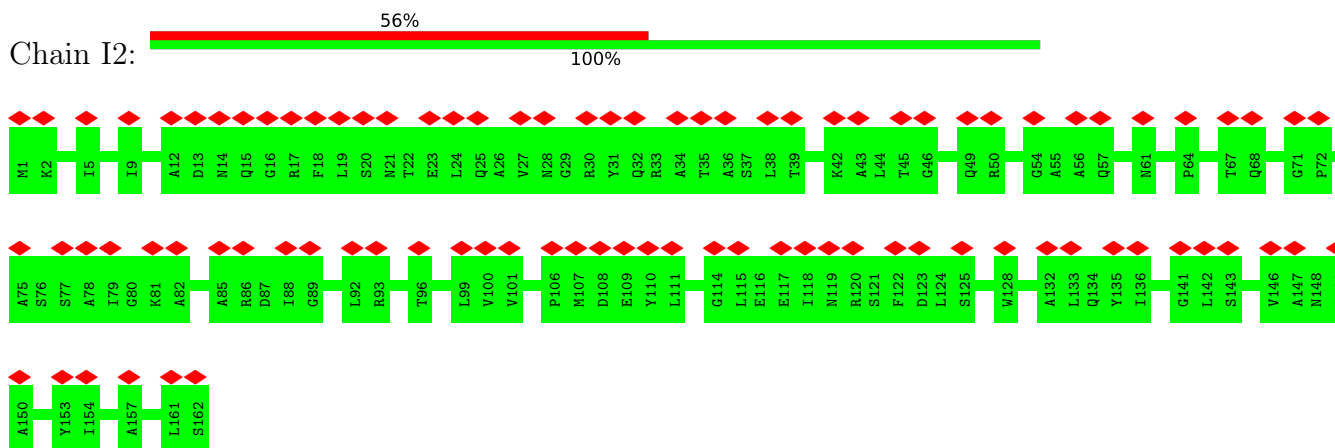
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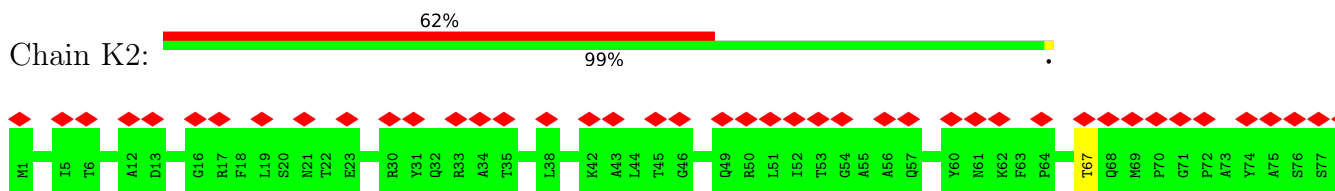
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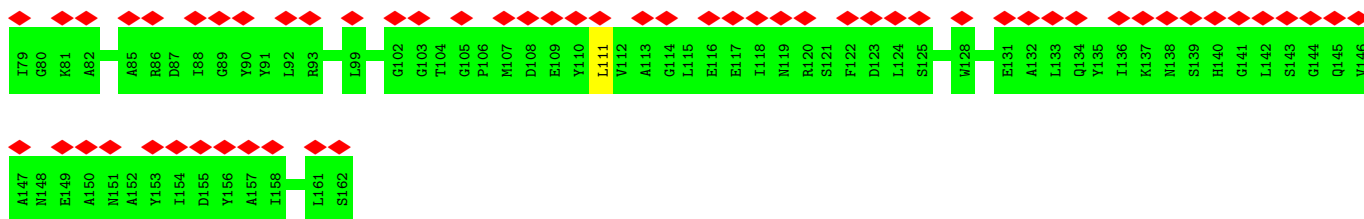


- Molecule 8: C-phycoerythrin alpha subunit

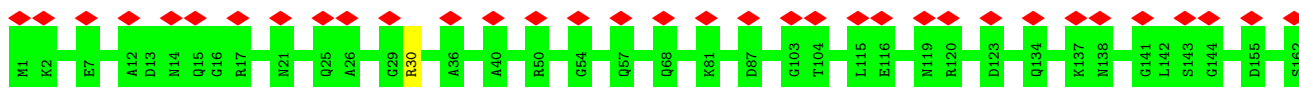


- Molecule 8: C-phycoerythrin alpha subunit

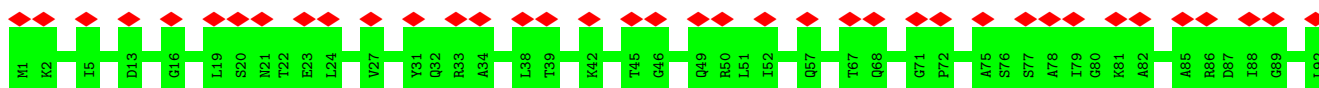
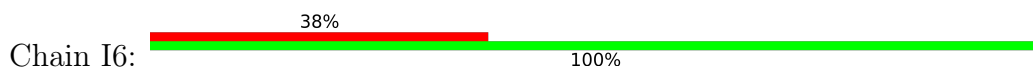




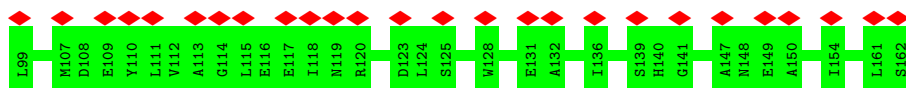
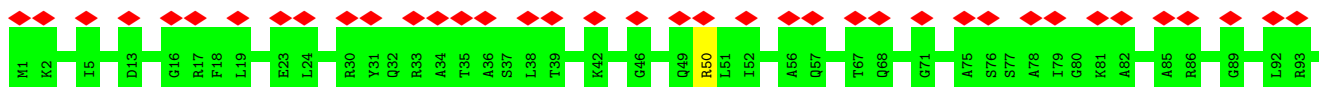
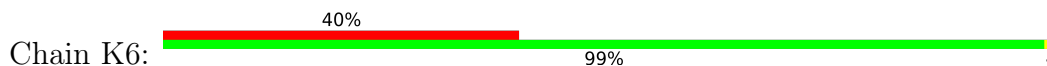
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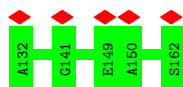
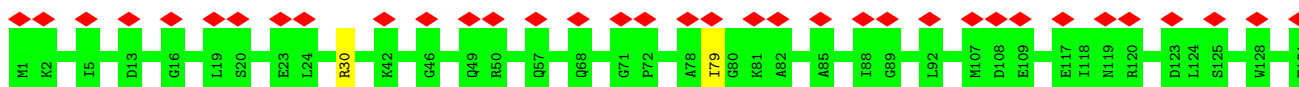
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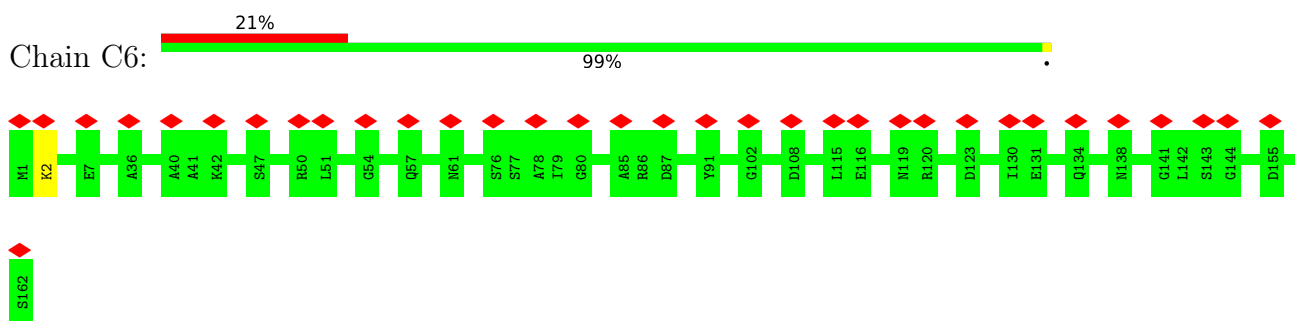
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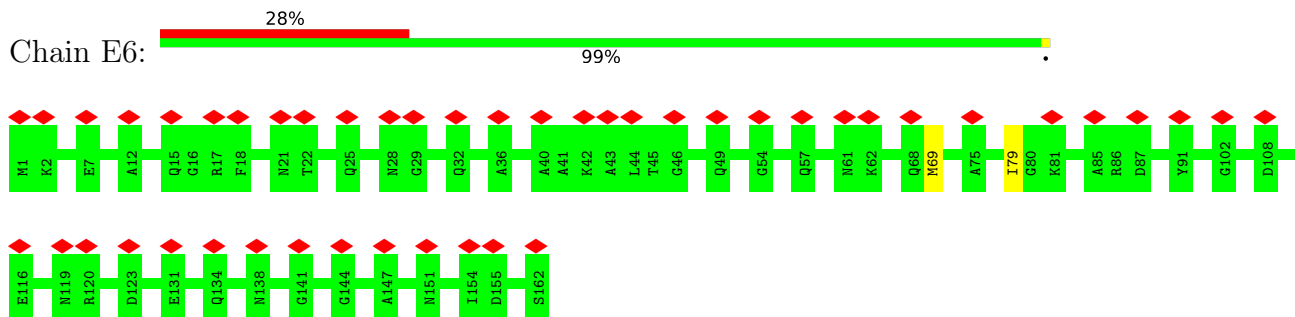
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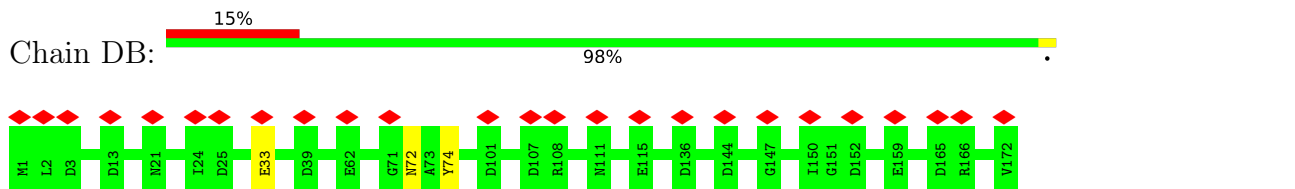
- Molecule 8: C-phycoerythrin alpha subunit



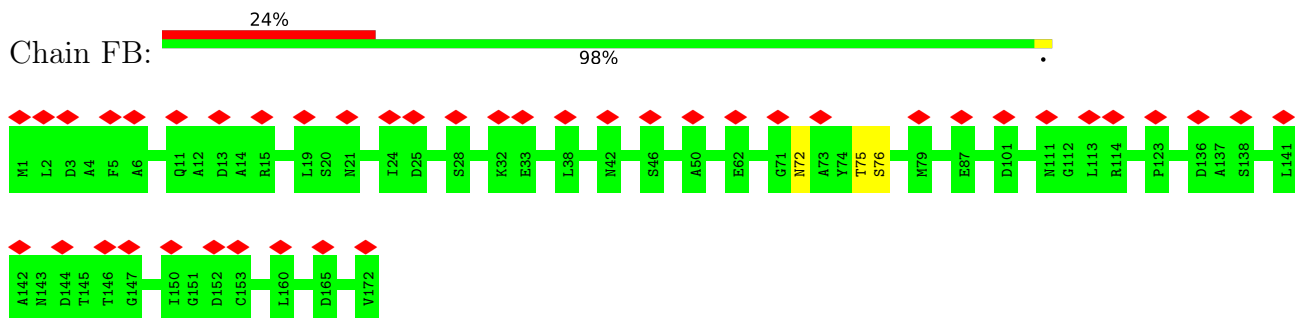
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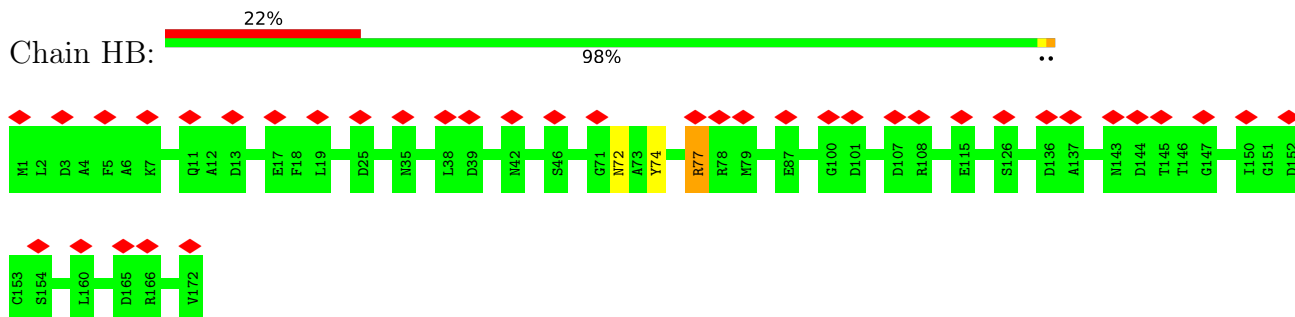
- Molecule 9: C-phycoerythrin beta subunit



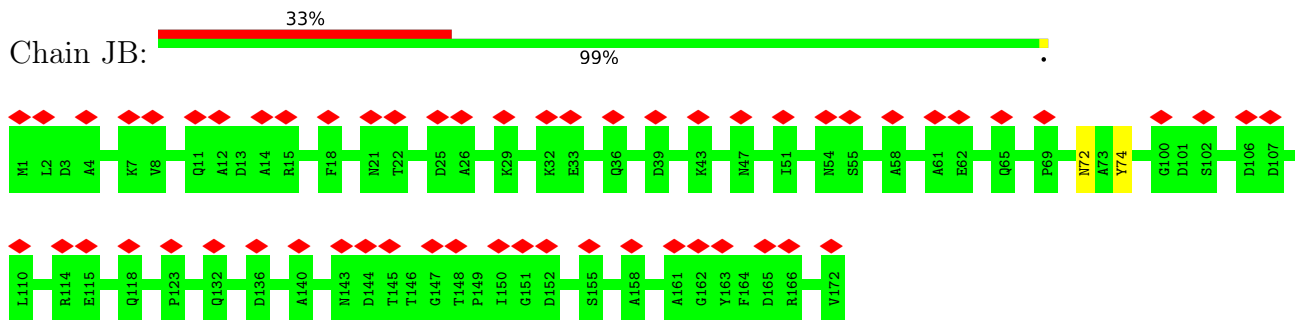
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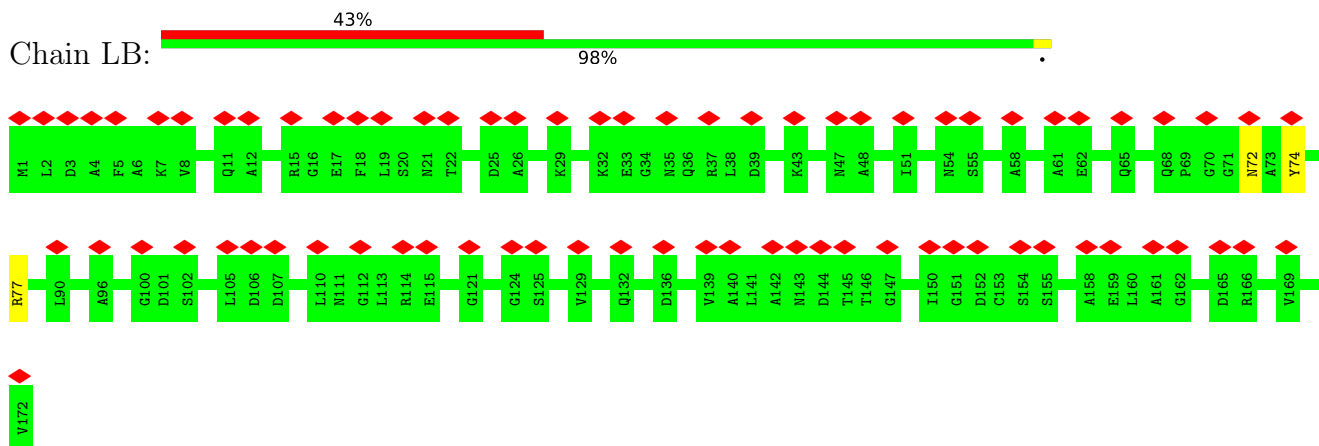
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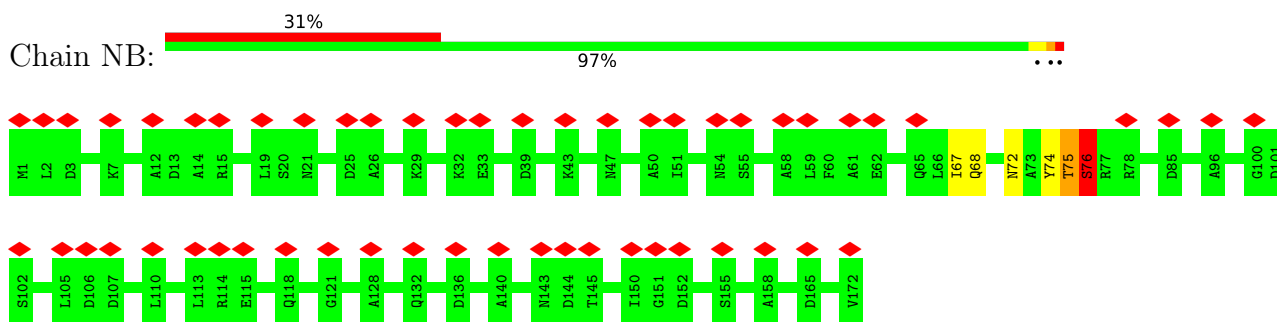
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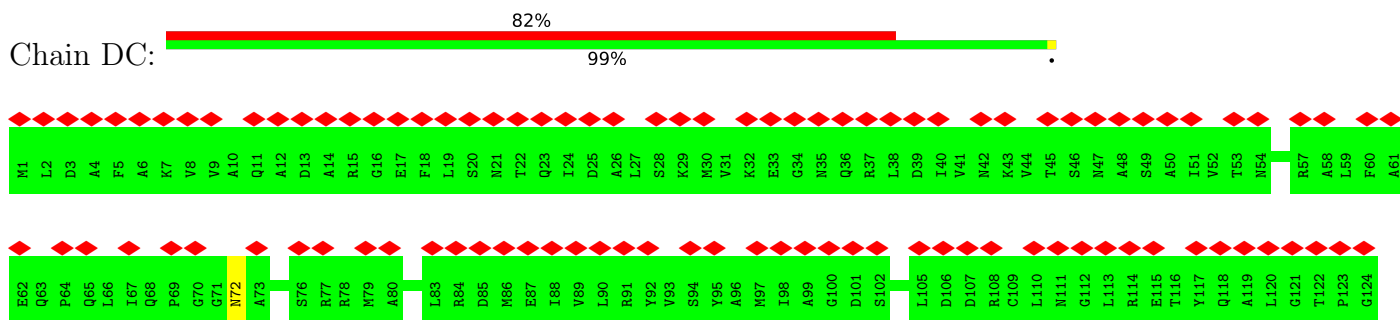
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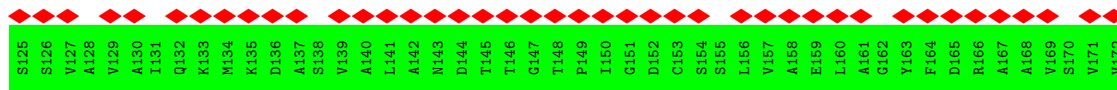


• Molecule 9: C-phycoerythrin beta subunit

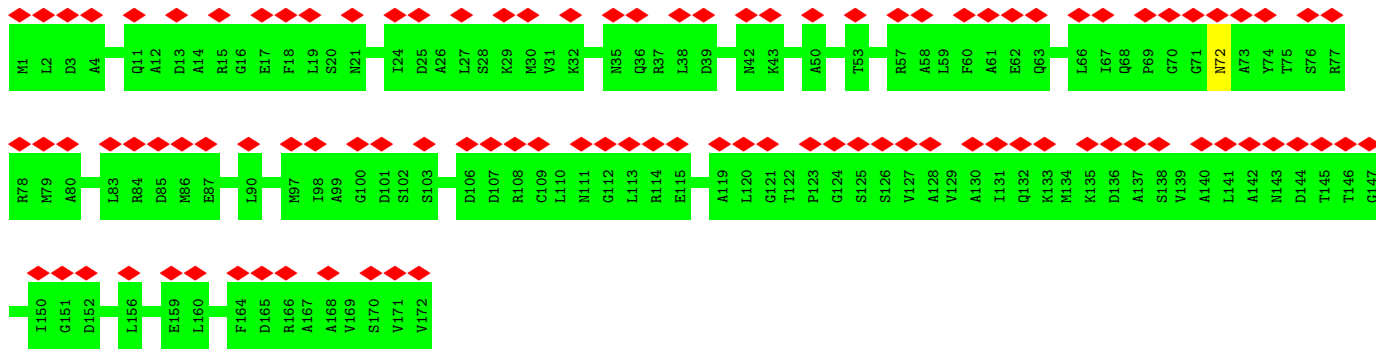


• Molecule 9: C-phycoerythrin beta subunit





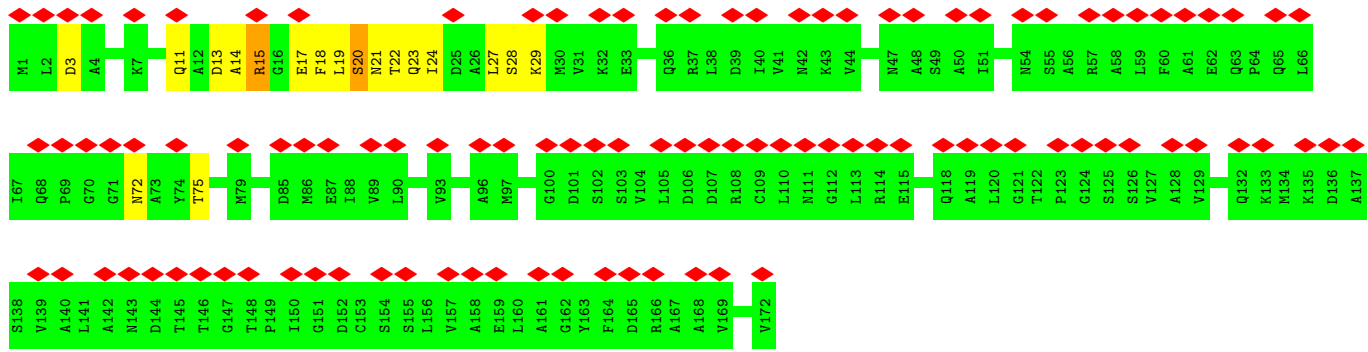
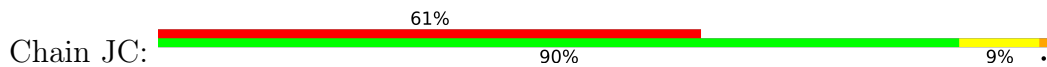
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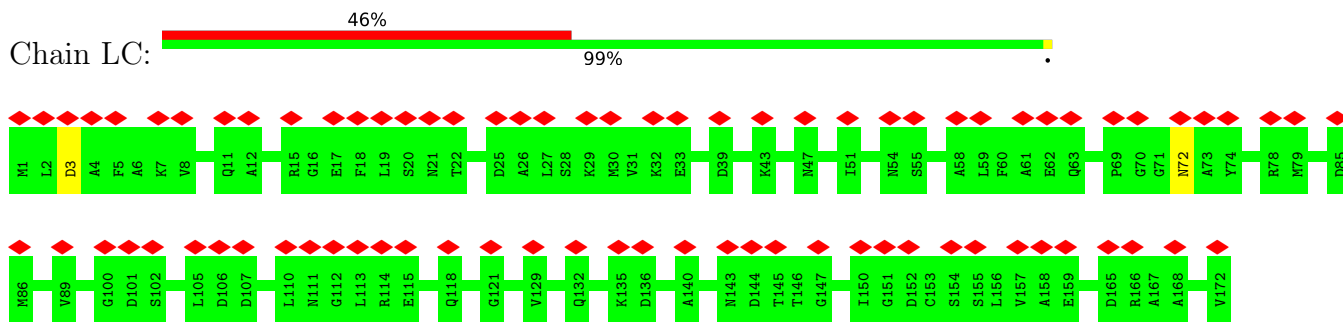
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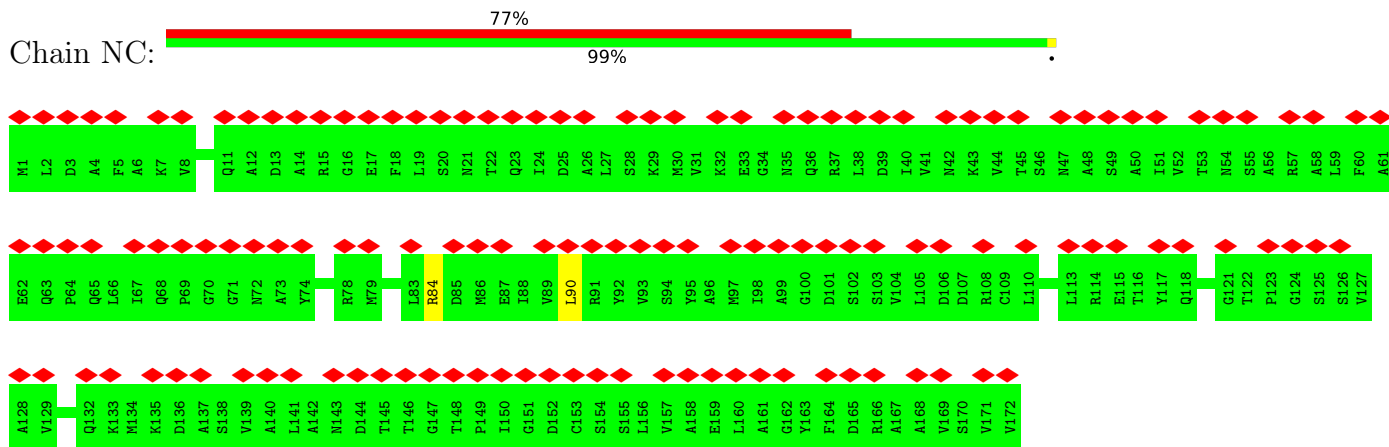
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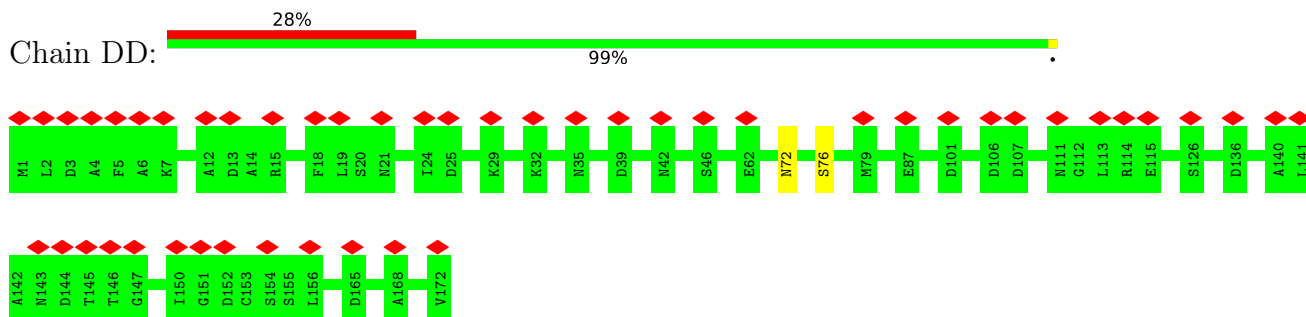
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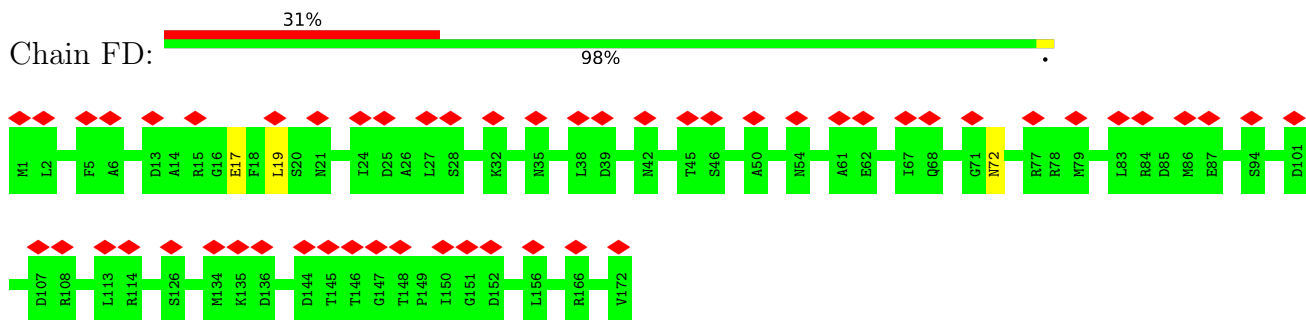
• Molecule 9: C-phycoyanin beta subunit



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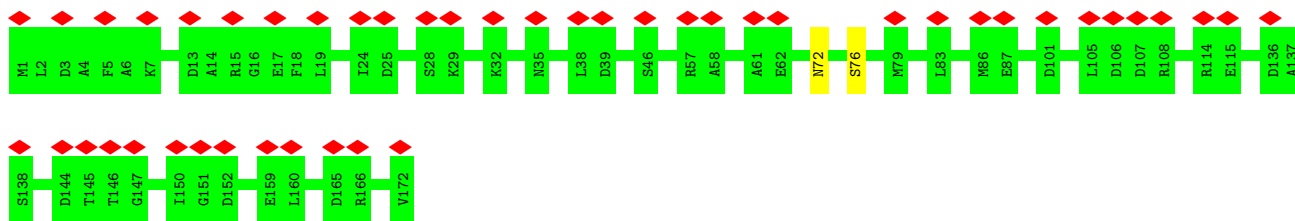


• Molecule 9: C-phycoyanin beta subunit

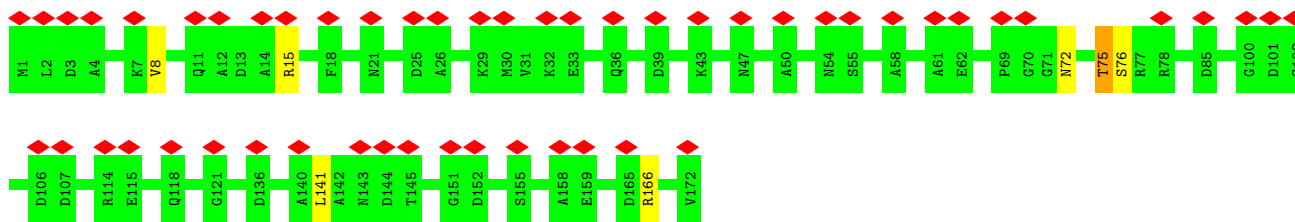


• Molecule 9: C-phycoyanin beta subunit

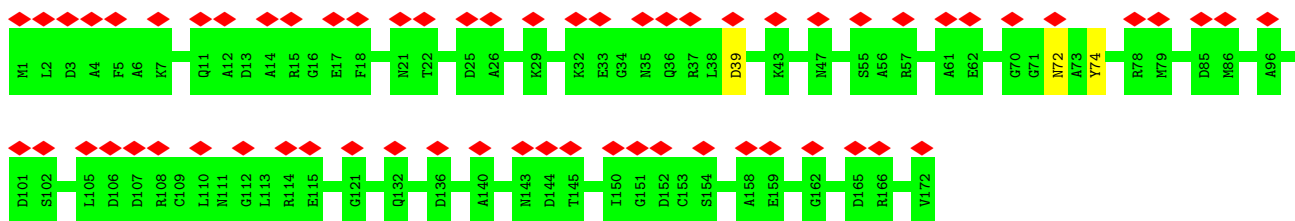
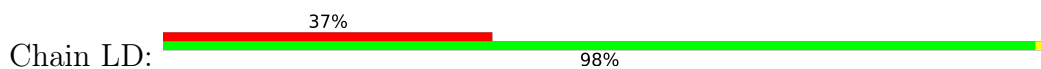




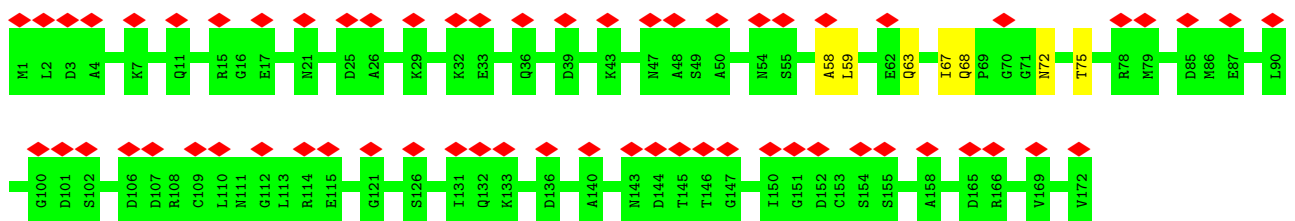
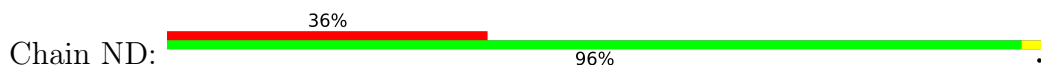
- Molecule 9: C-phycoerythrin beta subunit



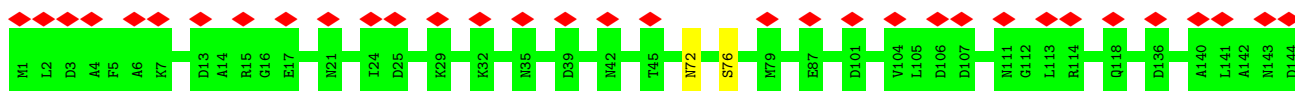
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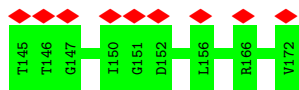


- Molecule 9: C-phycoerythrin beta subunit

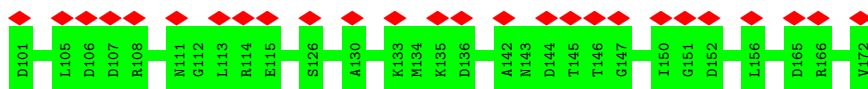
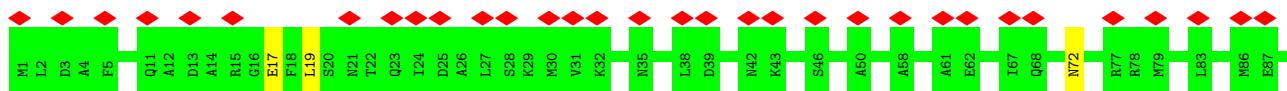


- Molecule 9: C-phycoerythrin beta subunit

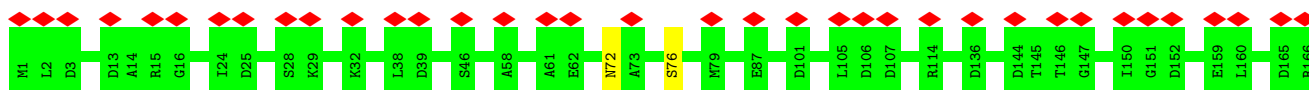




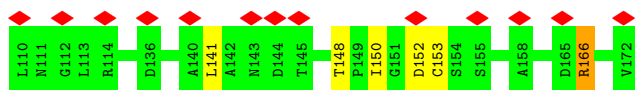
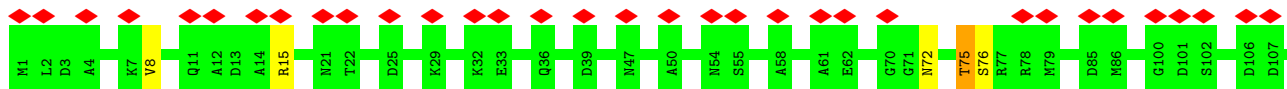
- Molecule 9: C-phycoerythrin beta subunit



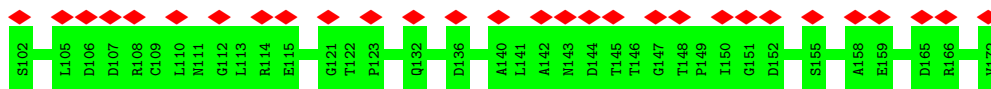
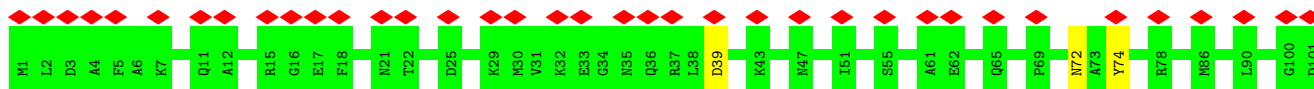
- Molecule 9: C-phycoerythrin beta subunit



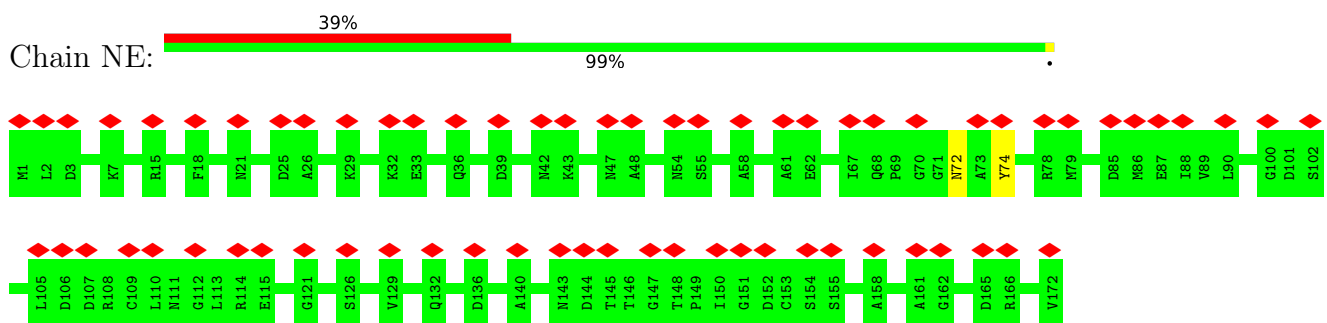
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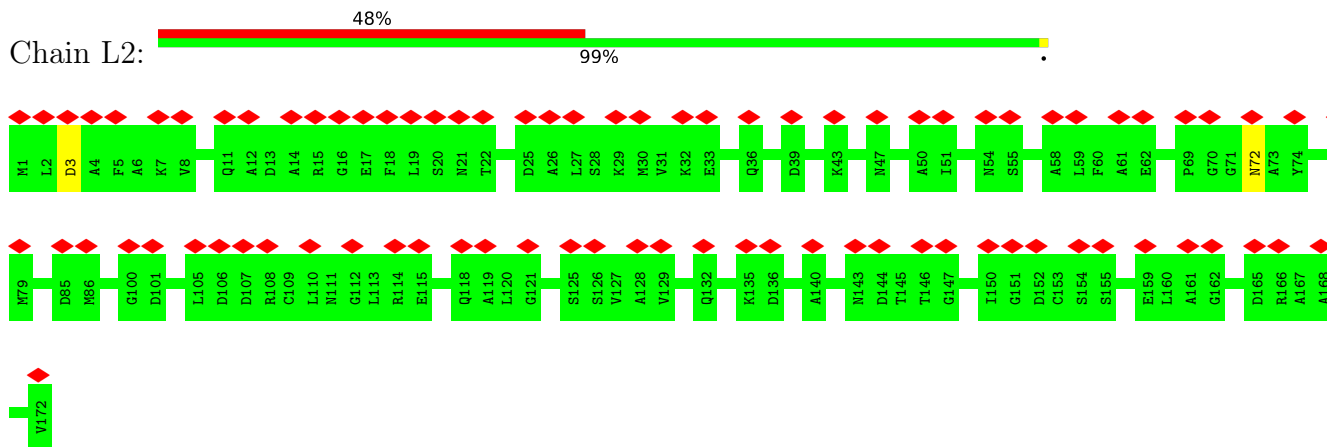
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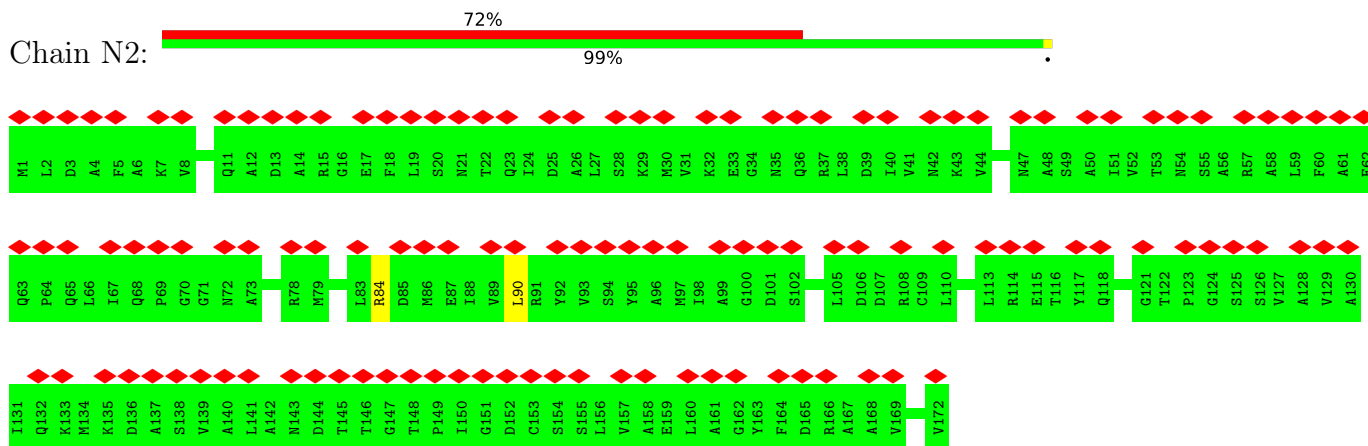
- Molecule 9: C-phycoerythrin beta subunit



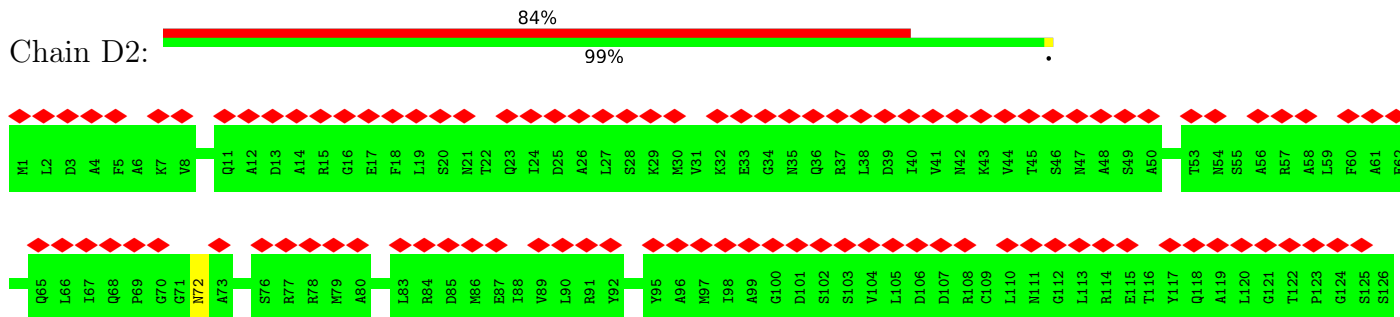
- Molecule 9: C-phycoerythrin beta subunit

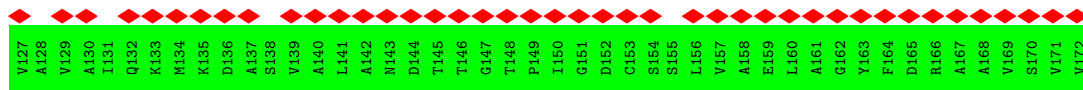


- Molecule 9: C-phycoerythrin beta subunit

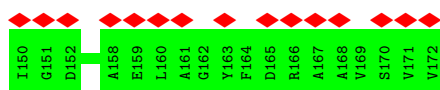
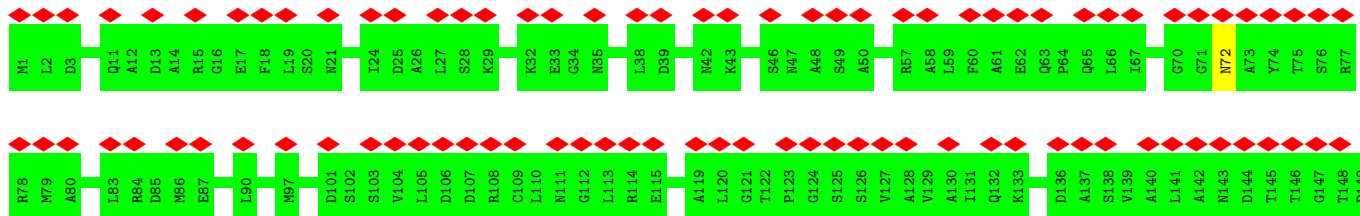


- Molecule 9: C-phycoerythrin beta subunit

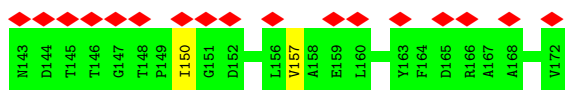
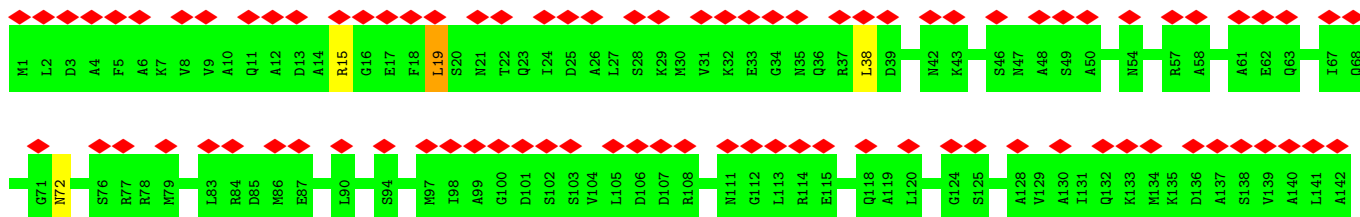




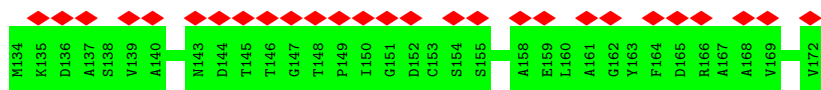
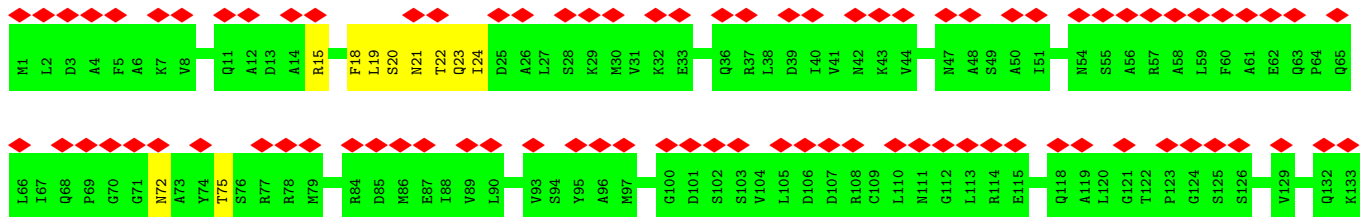
• Molecule 9: C-phycoerythrin beta subunit



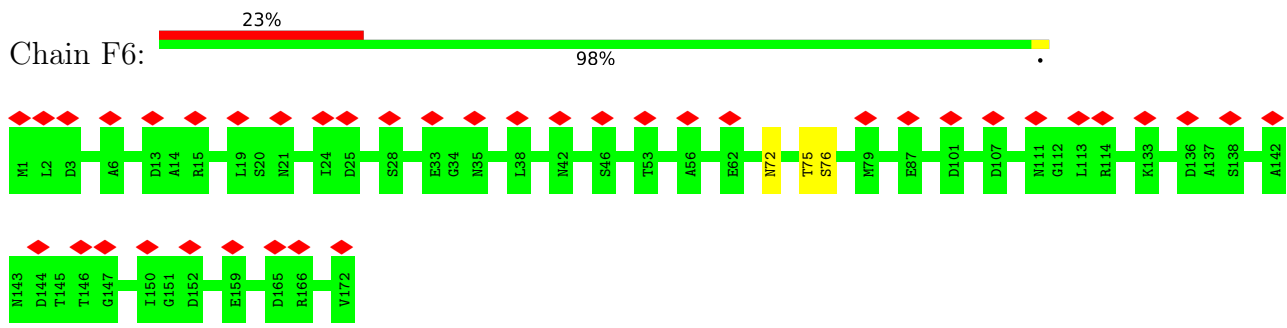
• Molecule 9: C-phycoerythrin beta subunit



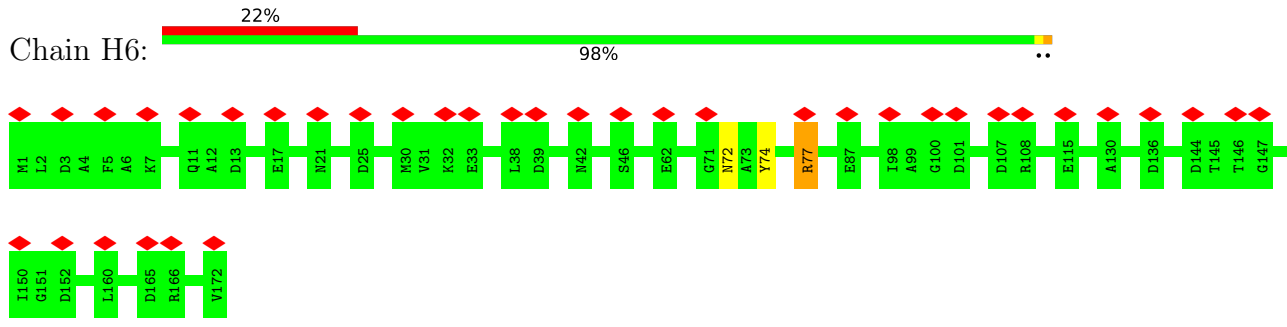
• Molecule 9: C-phycoerythrin beta subunit



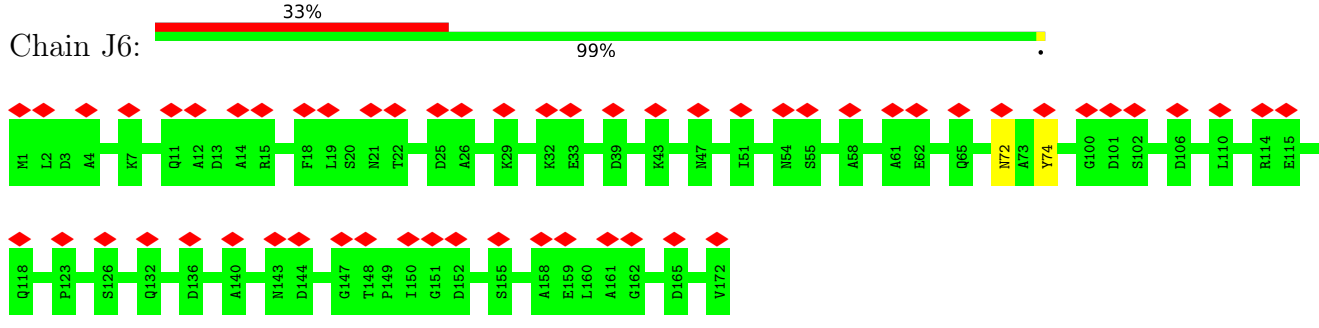
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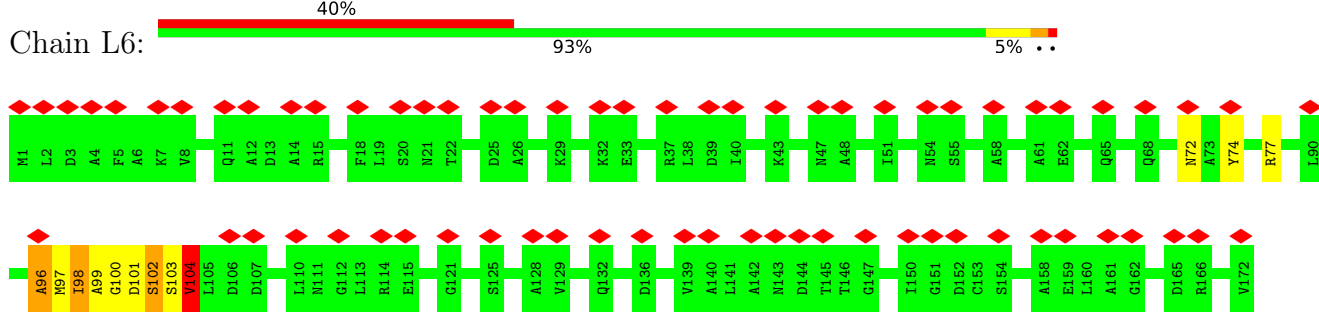
• Molecule 9: C-phycoerythrin beta subunit



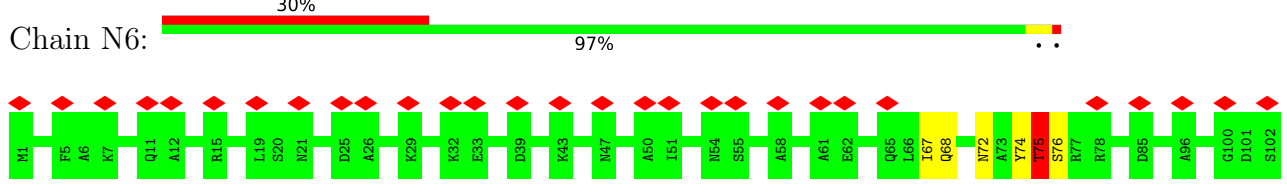
• Molecule 9: C-phycoerythrin beta subunit

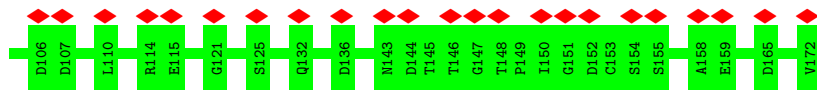


• Molecule 9: C-phycoerythrin beta subunit

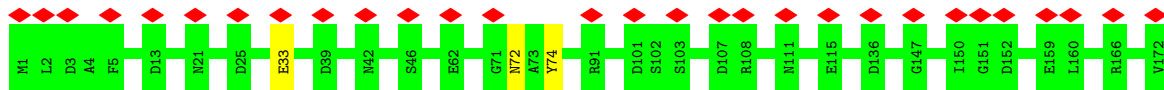


• Molecule 9: C-phycoerythrin beta subunit

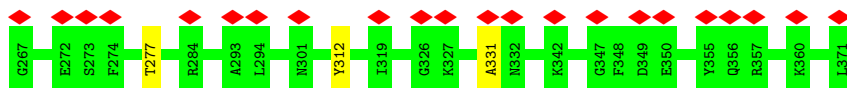
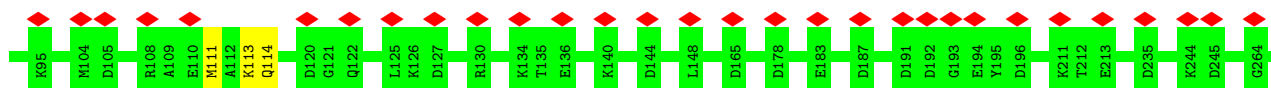
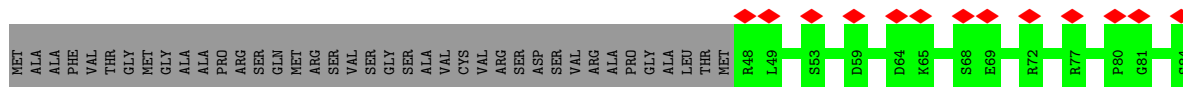
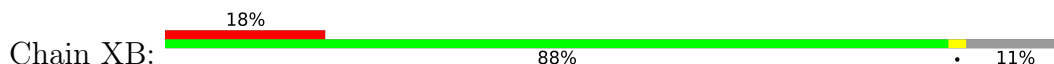




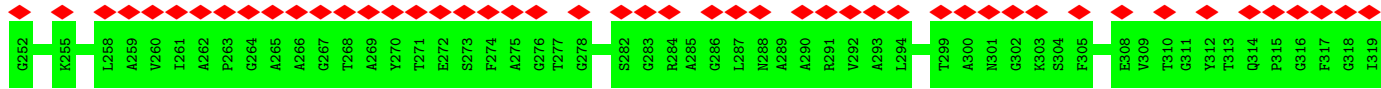
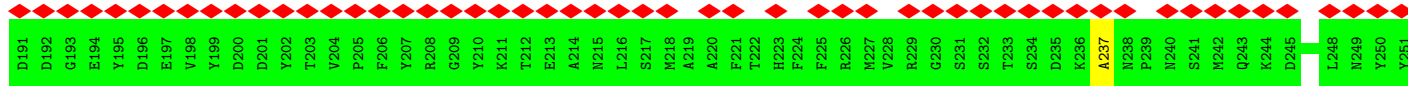
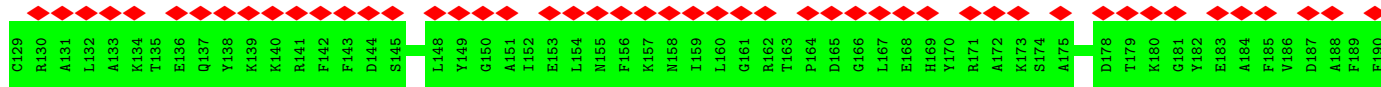
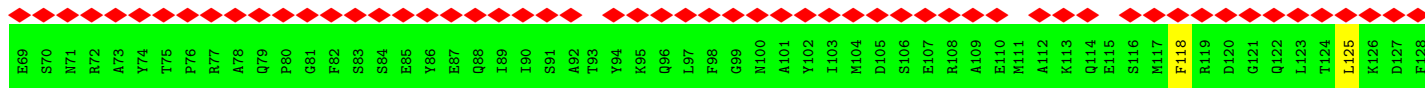
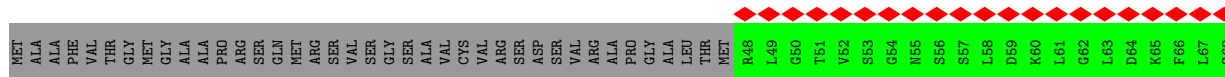
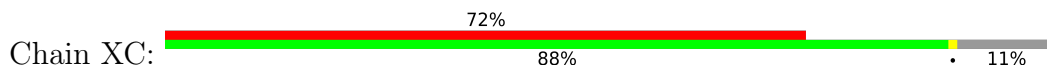
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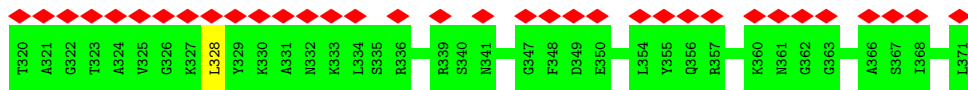


• Molecule 10: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

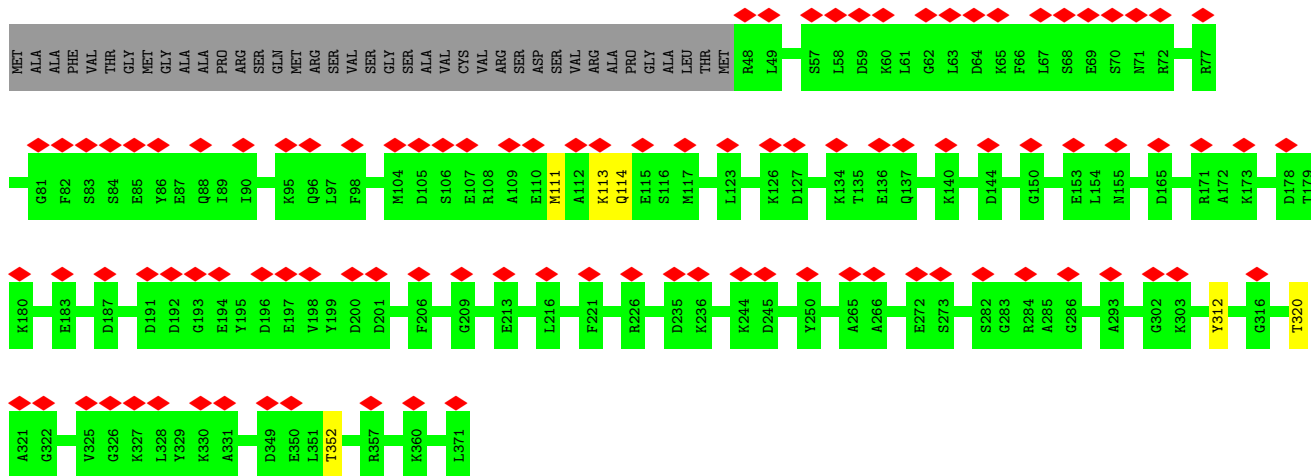
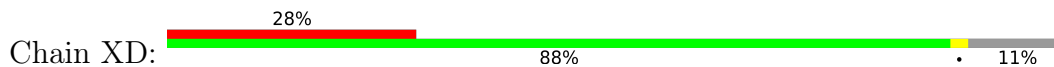


• Molecule 10: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

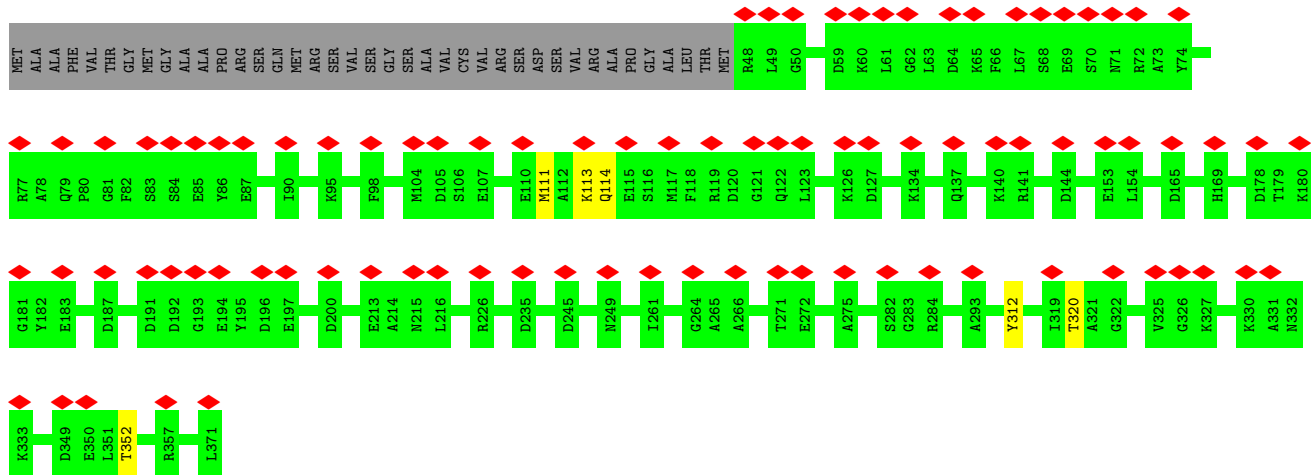
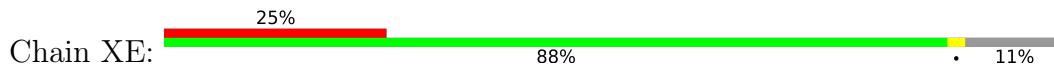




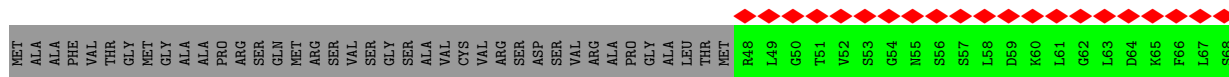
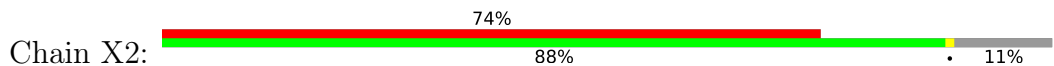
• Molecule 10: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod



• Molecule 10: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

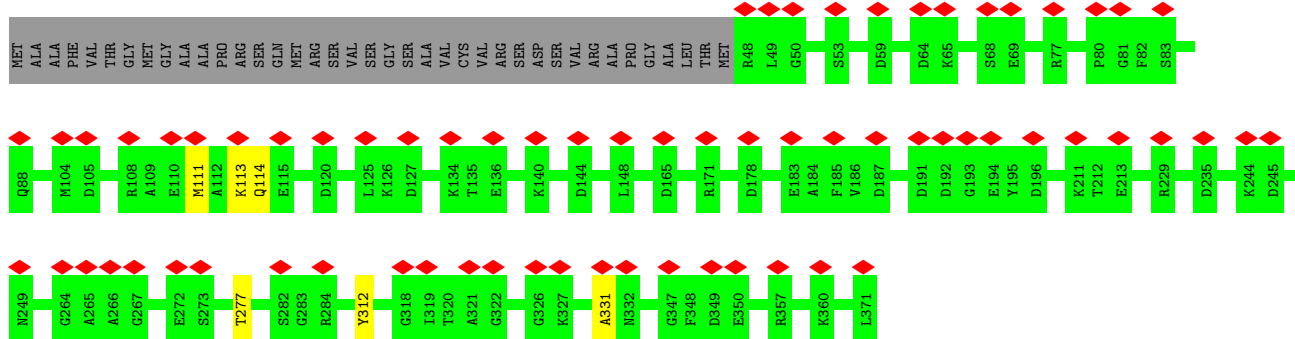
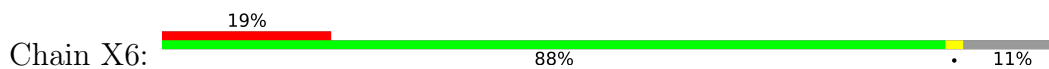


• Molecule 10: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

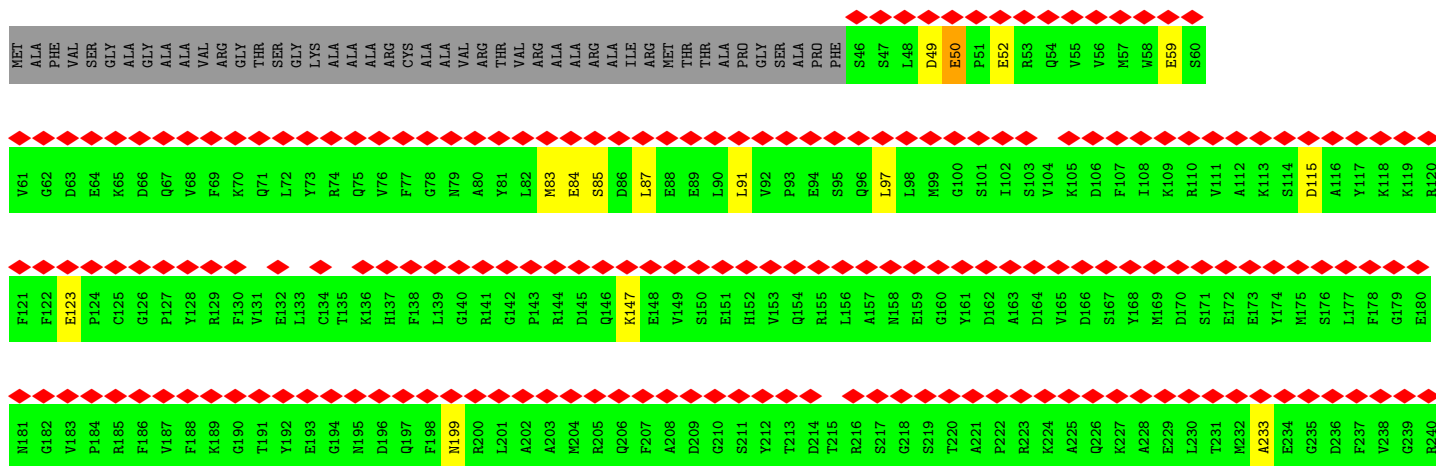
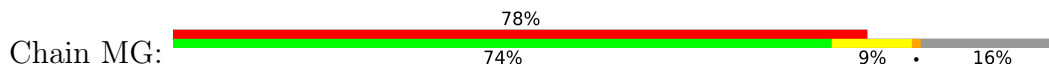


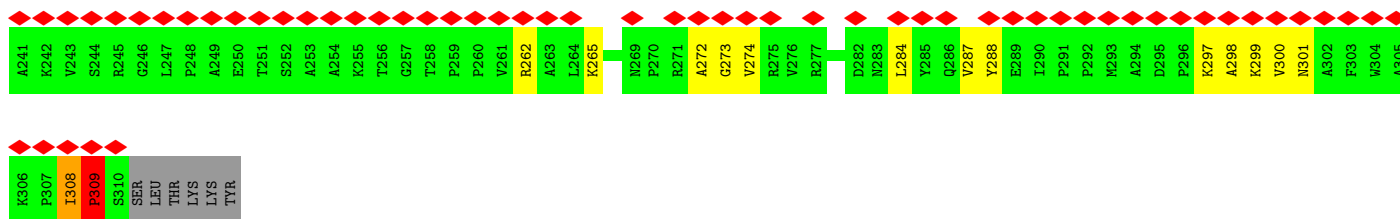


• Molecule 10: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

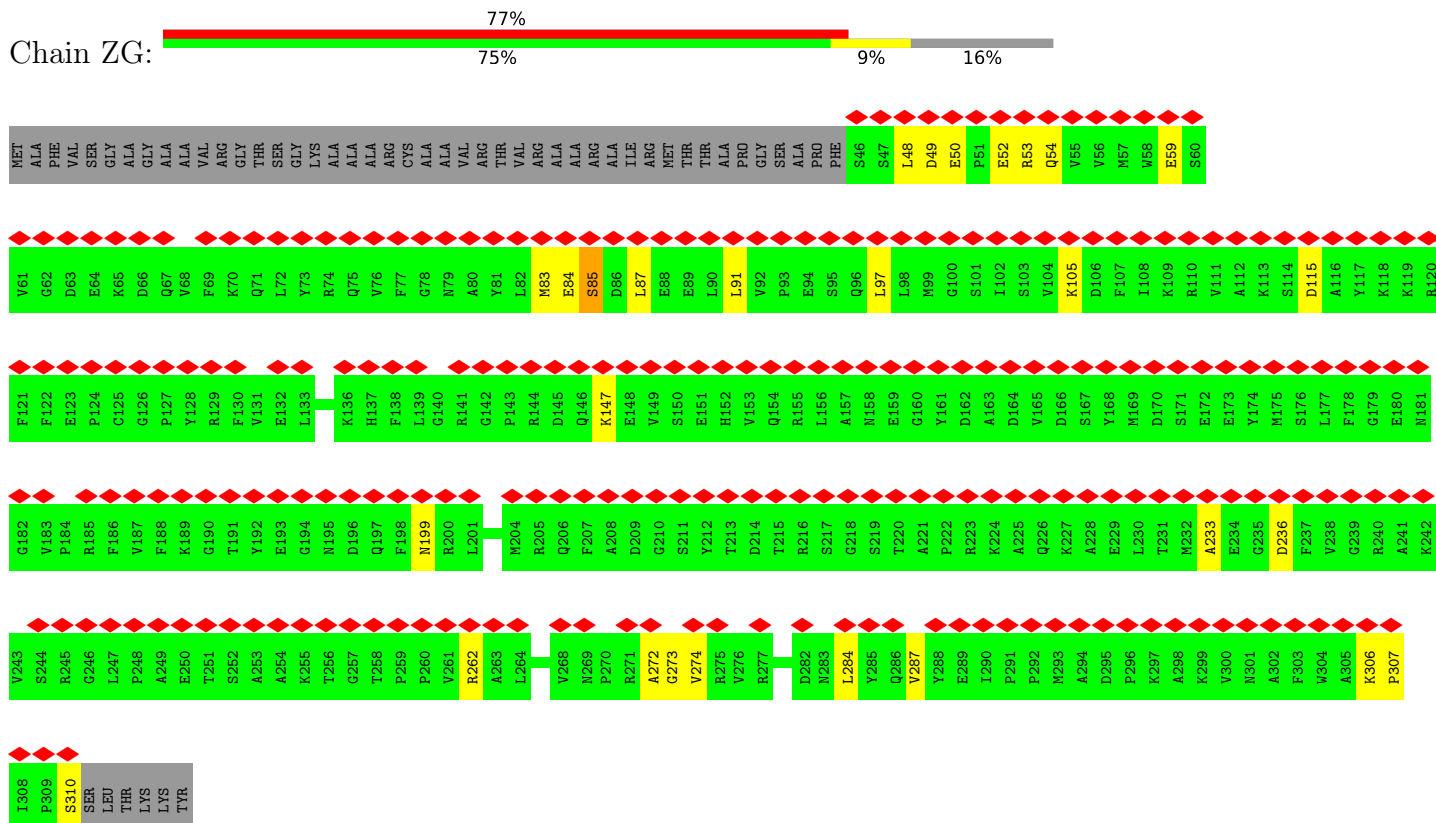


• Molecule 11: Phycobilisome 27.9 kDa linker polypeptide, phycoerythrin-associated, rod

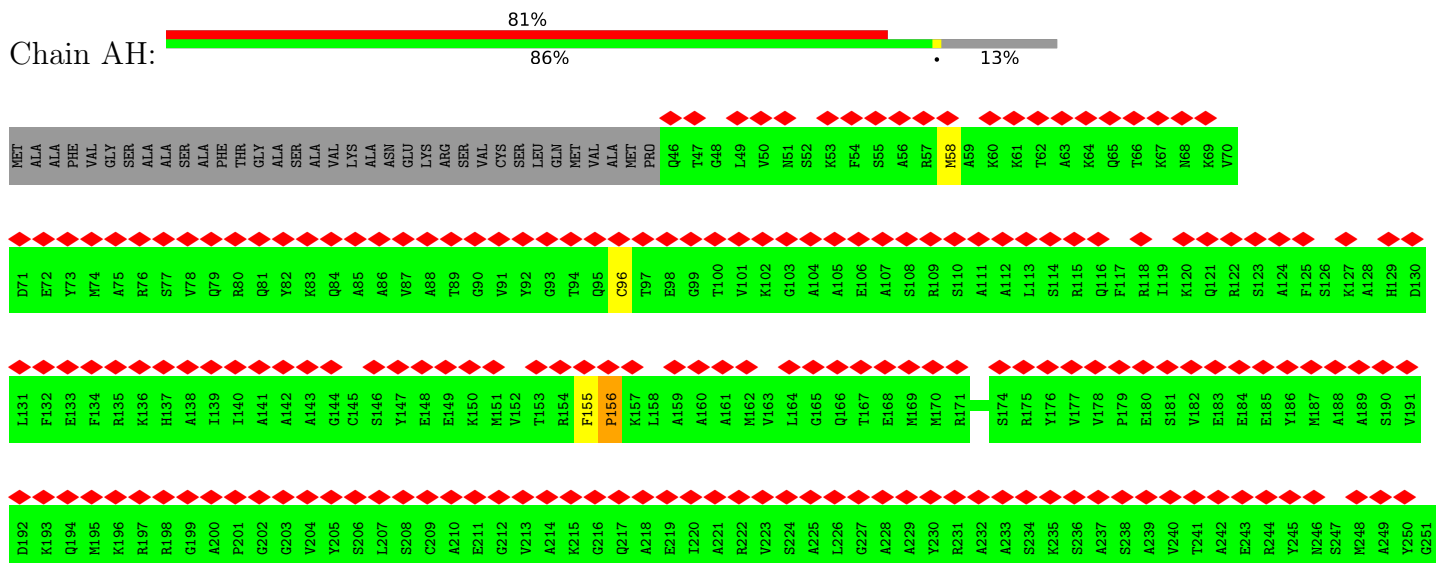


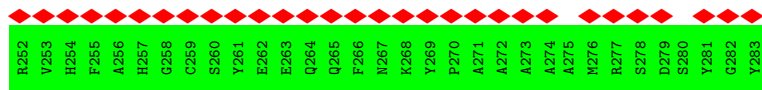


- Molecule 11: Phycobilisome 27.9 kDa linker polypeptide, phycoerythrin-associated, rod

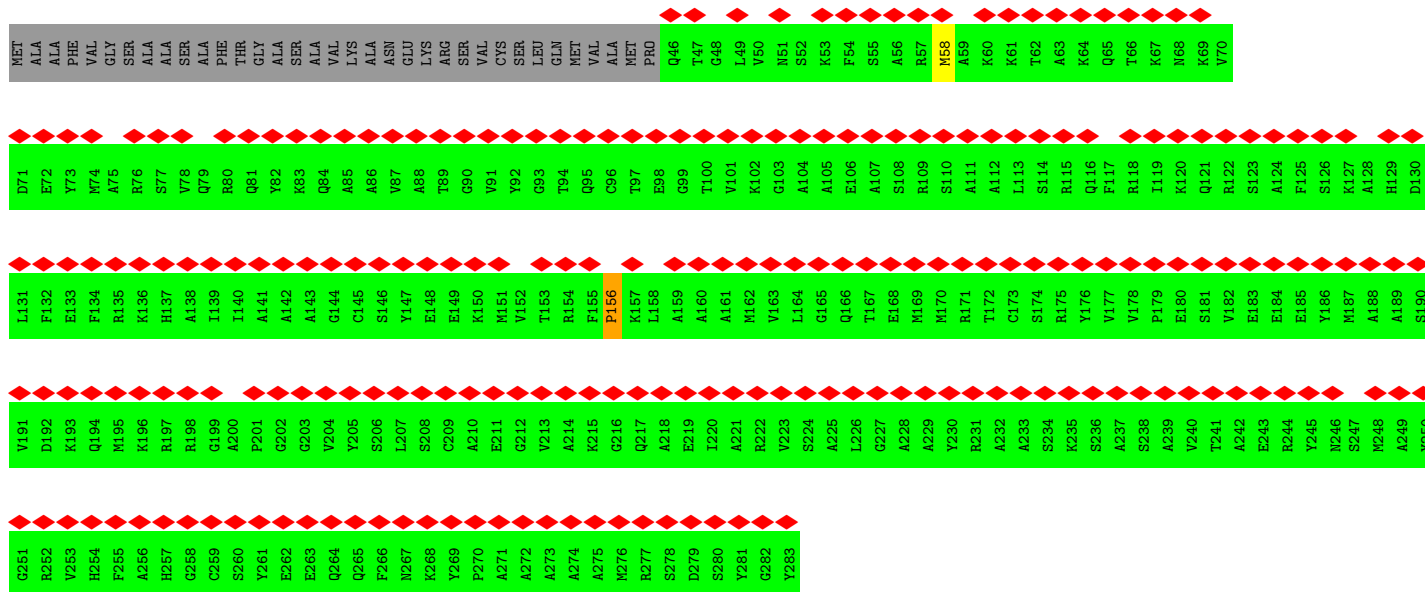
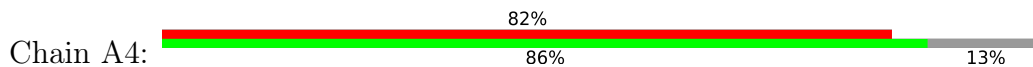


- Molecule 12: R-phycoerythrin gamma chain, chloroplastic

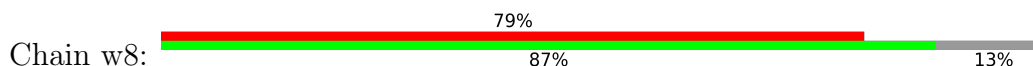




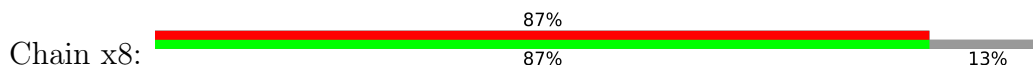
• Molecule 12: R-phycoerythrin gamma chain, chloroplastic



• Molecule 12: R-phycoerythrin gamma chain, chloroplastic

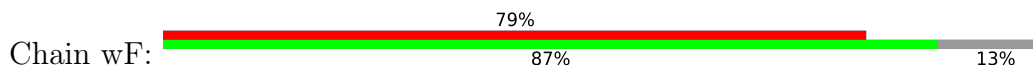


• Molecule 12: R-phycoerythrin gamma chain, chloroplastic



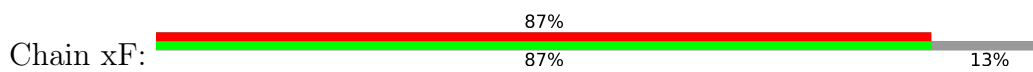
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D71	E72	Y73	M74	A75	R76	Q79	R80	Q81	Y82	K83	Q84	A85	A86	Y87	A88	T89	G90	V91	Y92	G93	G94	T94	Q95	C96	T97	E98	G99	T100	V101	K102	G103	A104	A105	E106	A107	S108	R109	S110	A111	A112	L113	S114	R115	A116	Y117	F117	R118	I119	K120	Q121	R122	S123	A124	F125	S126	K127	A128	H129	D130		
L131	F132	E133	F134	K135	K136	H137	A138	I139	I140	A141	A142	A143	G144	C145	S146	Y147	E148	E149	K150	M151	V152	T153	R154	F155	P156	K157	L158	A159	A160	A161	M162	V163	L164	G165	Q166	T167	E168	M169	M170	R171	T172	C173	S174	R175	Y176	Y177	V178	P179	E180	S181	V182	E183	R184	E185	Y186	M187	A188	H189	S190		
V191	D192	K193	Q194	M195	K196	R197	R198	A199	A200	F201	G202	G203	V204	Y205	S206	L207	S208	C209	A210	E211	G212	V213	A214	K215	Q216	Q217	A218	E219	T220	A221	R222	V223	S224	A225	L226	G227	A228	A229	Y230	R231	A232	A233	S234	K235	K236	A237	S238	A239	V240	T241	A242	E243	R244	Y245	N246	S247	M248	A249	Y250		
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• Molecule 12: R-phycoerythrin gamma chain, chloroplastic

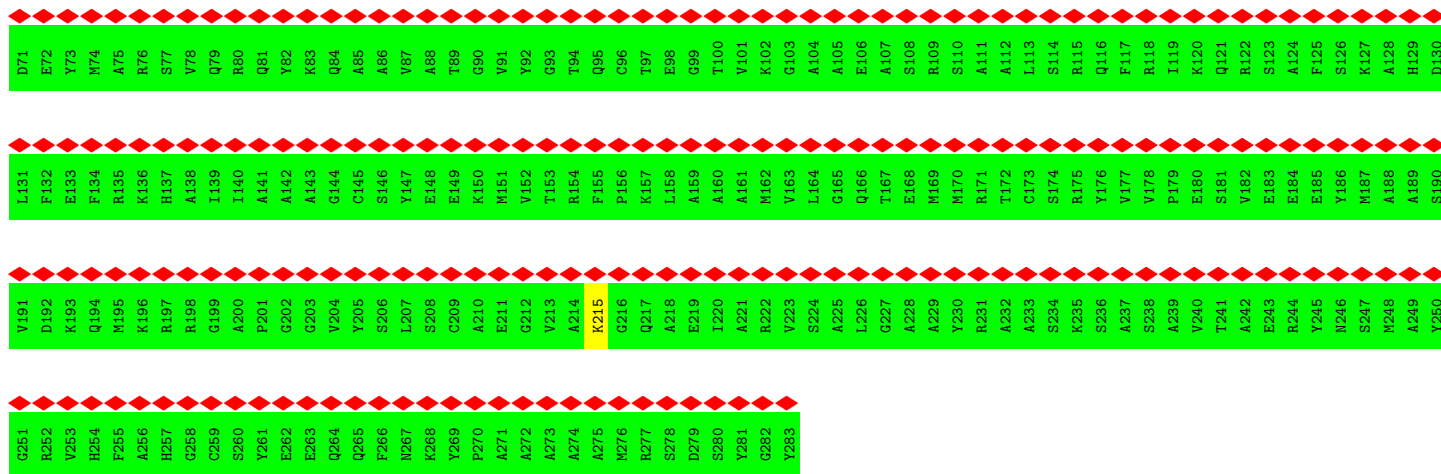


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E72	Y73	M74	A75	R76	Q79	R80	Q81	Y82	K83	Q84	A85	A86	Y87	A88	T89	G90	V91	Y92	G93	T94	Q95	C96	T97	E98	G99	T100	V101	K102	G103	A104	A105	E106	A107	S108	R109	S110	A111	A112	L113	S114	R115	Q116	F117	R118	I119	K120	Q121	R122	S123	A124	F125	S126	K127	A128	H129	L131	F132				
E133	F134	R135	K136	H137	A138	I139	I140	A141	A142	A143	G144	C145	S146	Y147	E148	E149	K150	M151	V152	T153	R154	F155	P156	K157	L158	A159	A160	A161	M162	V163	L164	G165	Q166	T167	E168	M169	M170	R171	T172	C173	S174	R175	Y176	V177	V178	P179	E180	S181	V182	E183	E184	E185	Y186	M187	A188	A189	S190	V191	D192		
K193	Q194	M195	K196	R197	R198	G199	A200	F201	G202	G203	V204	Y205	S206	L207	S208	C209	A210	E211	G212	V213	A214	K215	Q216	Q217	A218	E219	T220	A221	R222	V223	S224	A225	L226	G227	A228	A229	Y230	R231	A232	A233	S234	K235	K236	A237	S238	A239	V240	T241	A242	E243	R244	Y245	N246	S247	M248	A249	Q251	R252			
V253	H254	F255	H256	H257	G258	C259	S260	Y261	E262	E263	Q264	Q265	F266	N267	K268	Y269	P270	A271	A272	A273	A274	A275	A276	M277	S278	D279	S280	Y281	G282	Y283																															

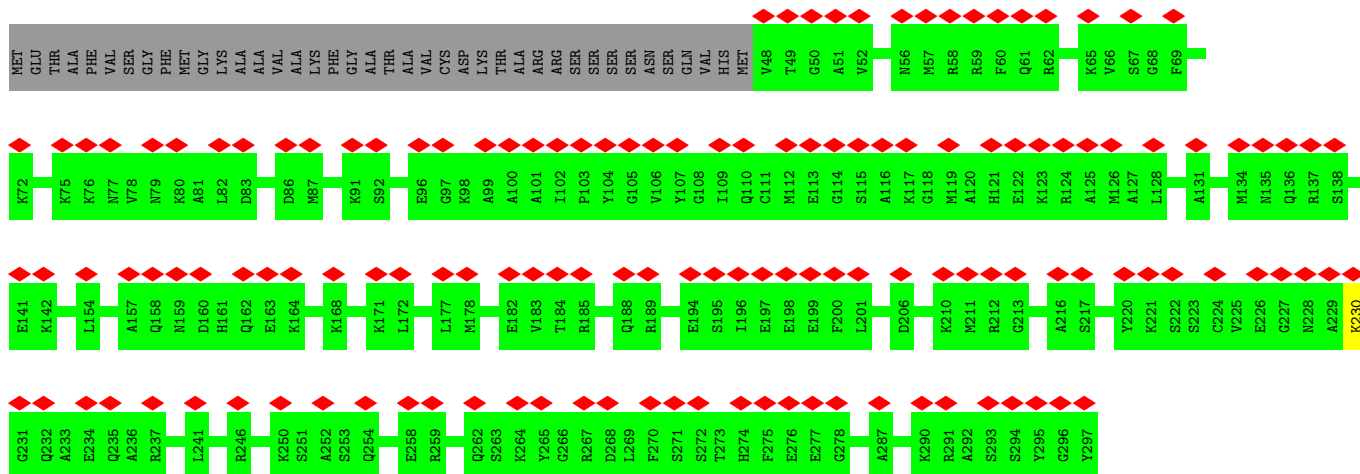
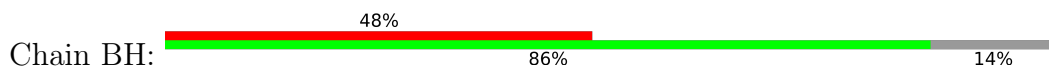
• Molecule 12: R-phycoerythrin gamma chain, chloroplastic



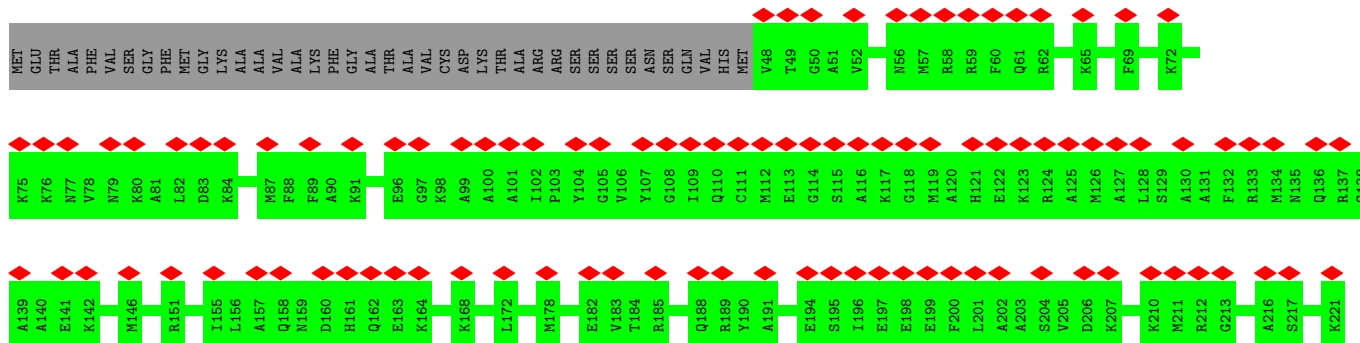
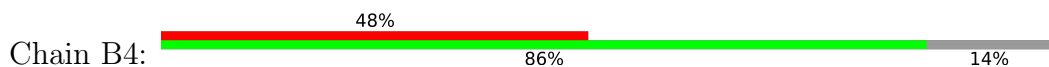
MET	ALA	ALA	PHE	VAL	GLY	SER	ALA	ALA	SER	ALA	ALA	PHE	THR	GLY	ALA	SER	ALA	VAL	VAL	LYS	ALA	ALA	ASN	GLU	LYS	ARG	SER	VAL	CYS	SER	LEU	GLN	MET	VAL	ALA	ALA	PRO	Q46	T47	G48	L49	V50	N51	S52	K53	F54	S55	A56	R57	M58	A59	K60	K61	T62	A63	K64	Q65	T66	K67	N68	K69	V70
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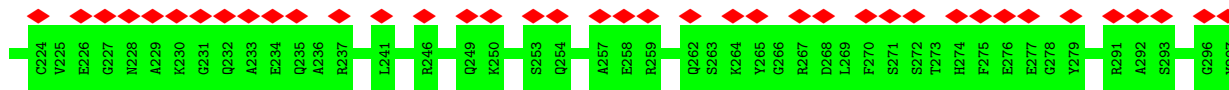


• Molecule 13: R-phycoerythrin gamma chain, chloroplastic

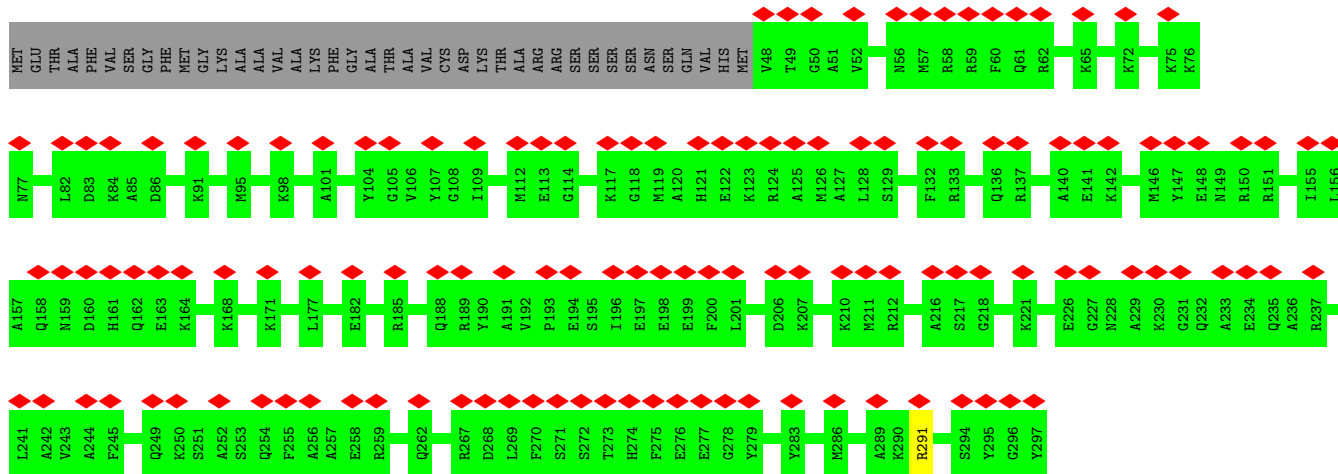
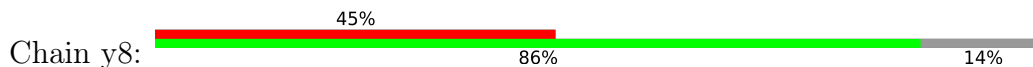


• Molecule 13: R-phycoerythrin gamma chain, chloroplastic

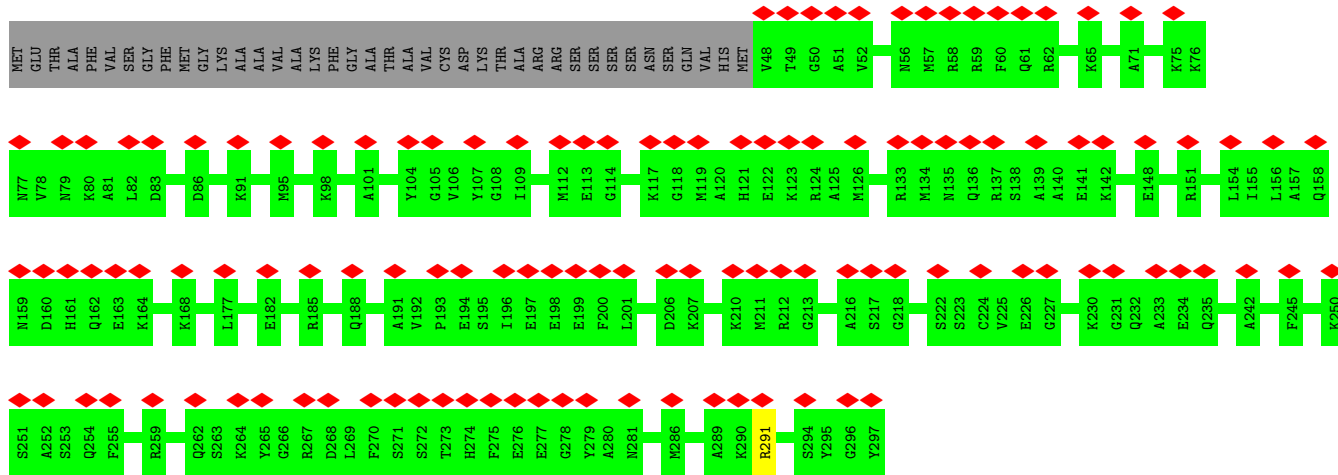
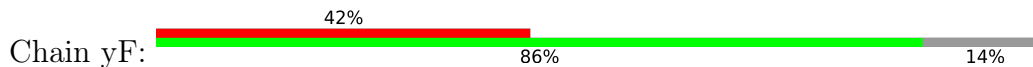




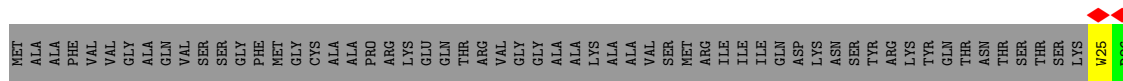
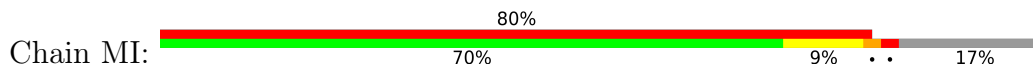
• Molecule 13: R-phycoerythrin gamma chain, chloroplastic

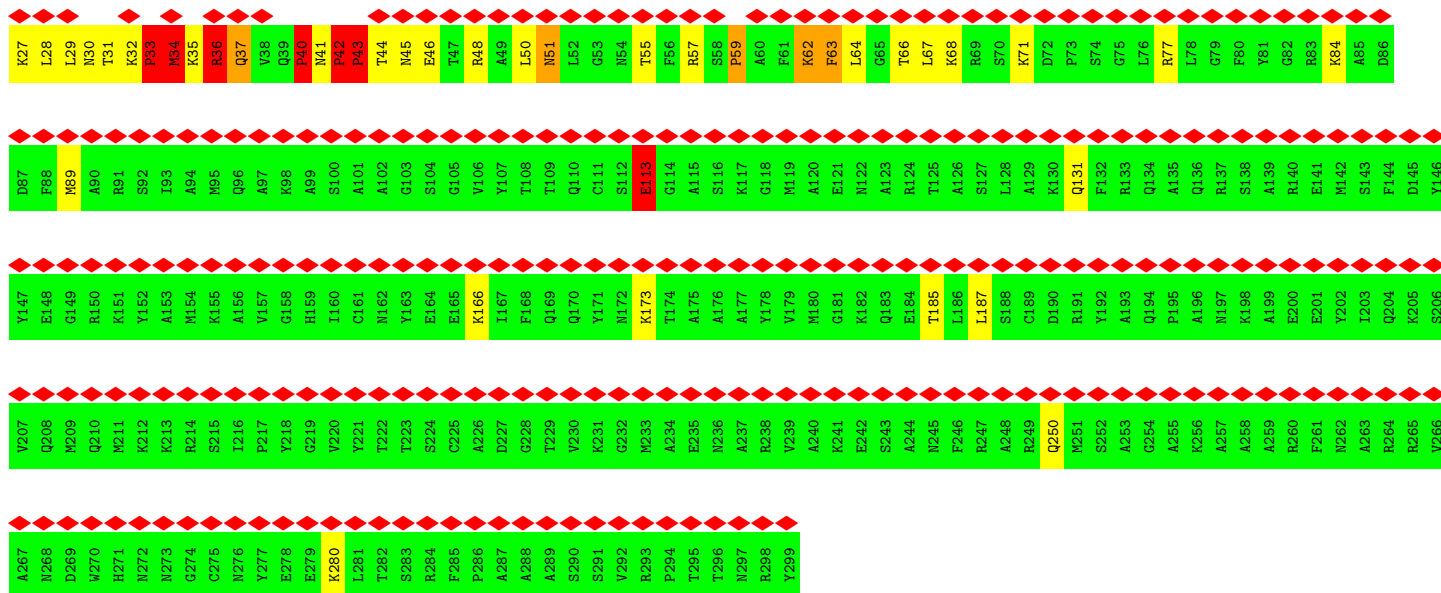


• Molecule 13: R-phycoerythrin gamma chain, chloroplastic



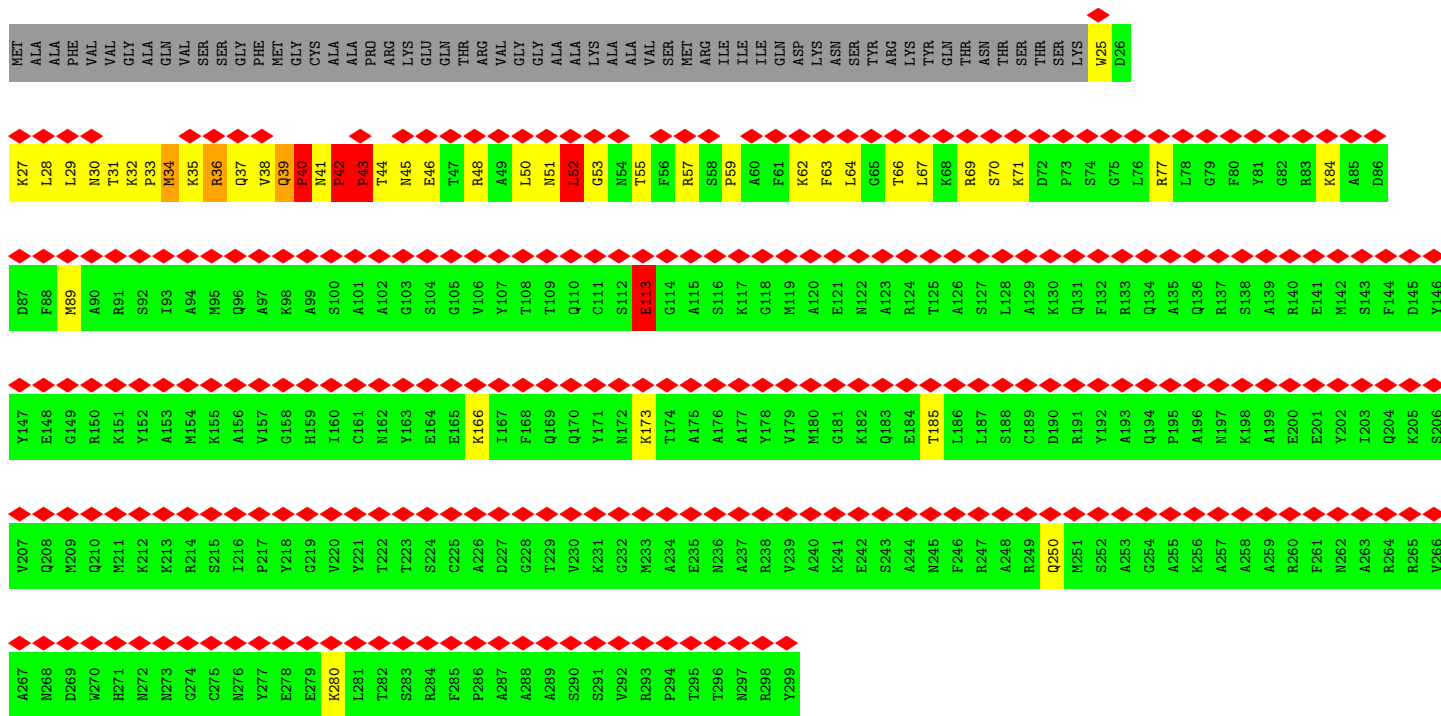
• Molecule 14: R-phycoerythrin gamma chain, chloroplastic





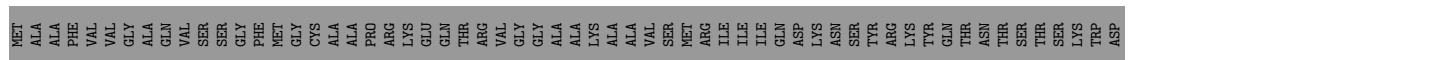
• Molecule 14: R-phycoerythrin gamma chain, chloroplactic

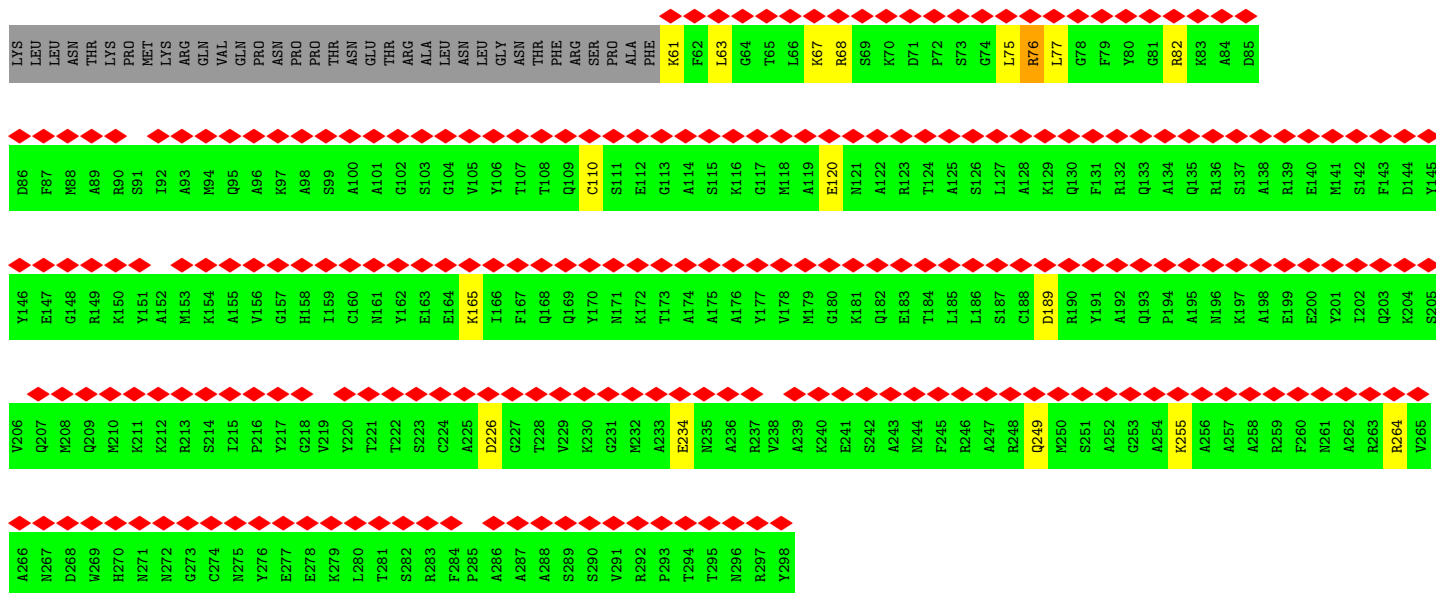
Chain ZI:



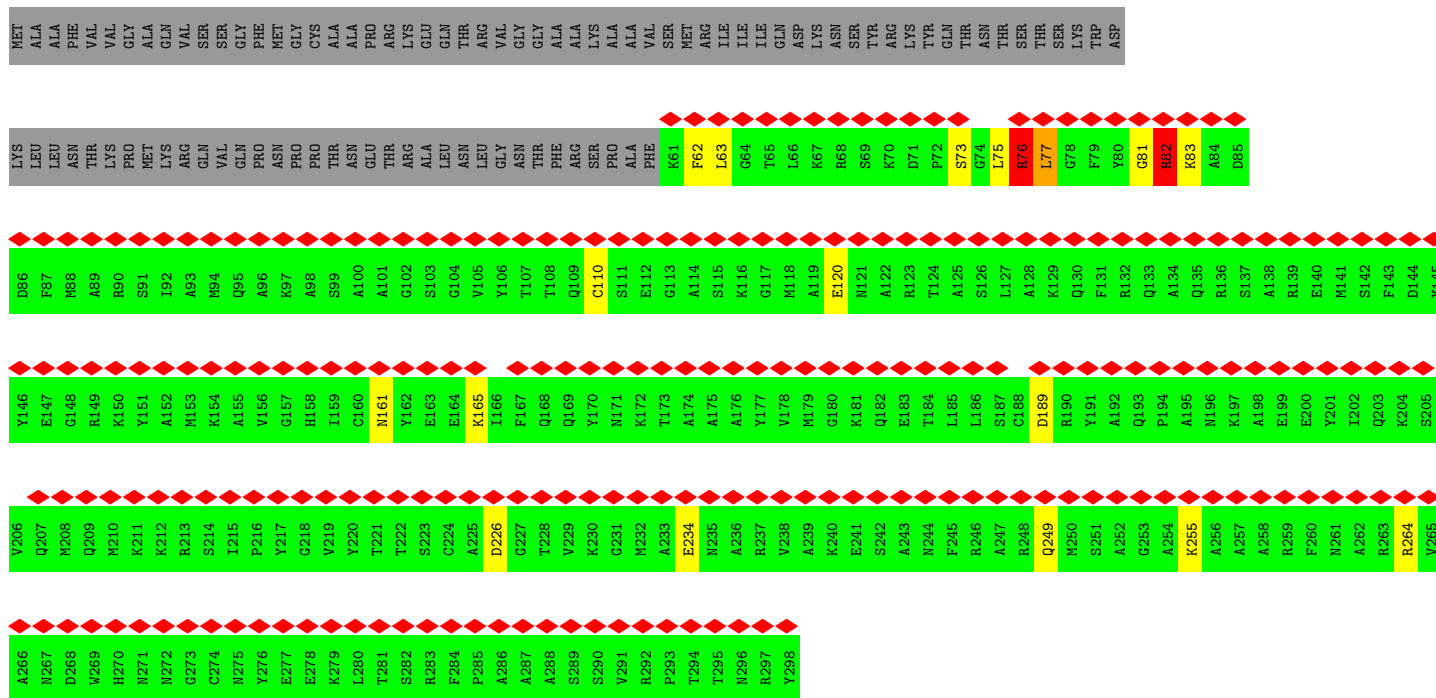
• Molecule 14: R-phycoerythrin gamma chain, chloroplactic

Chain M9:

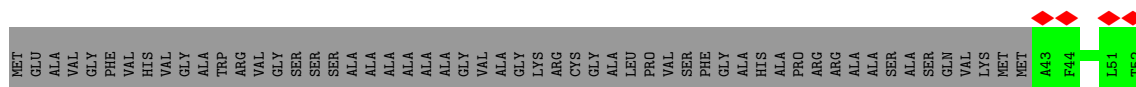
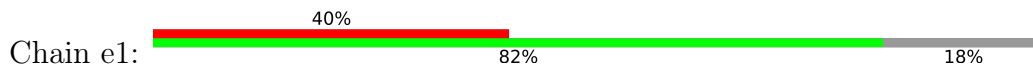


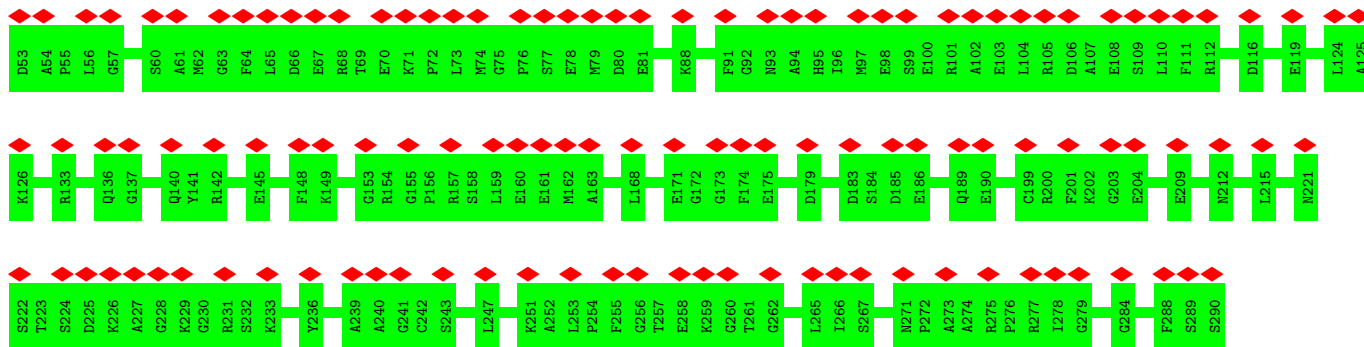


• Molecule 14: R-phycoerythrin gamma chain, chloroplastic

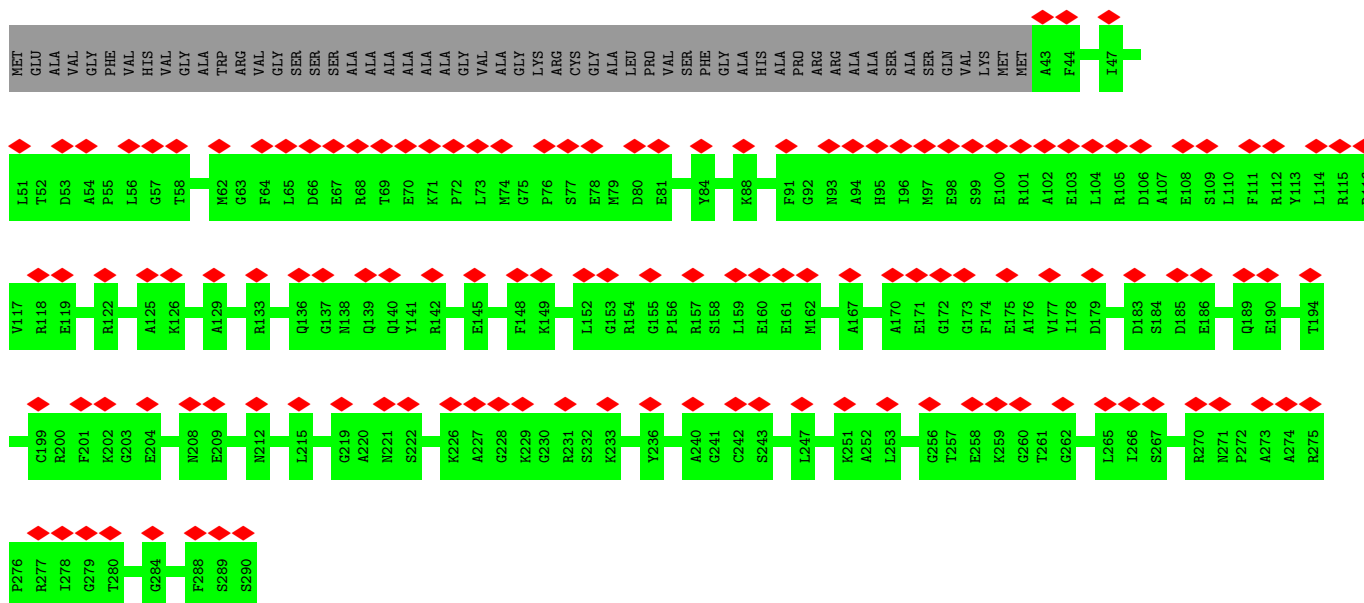
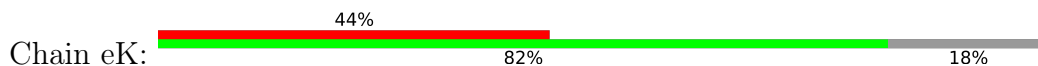


• Molecule 15: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

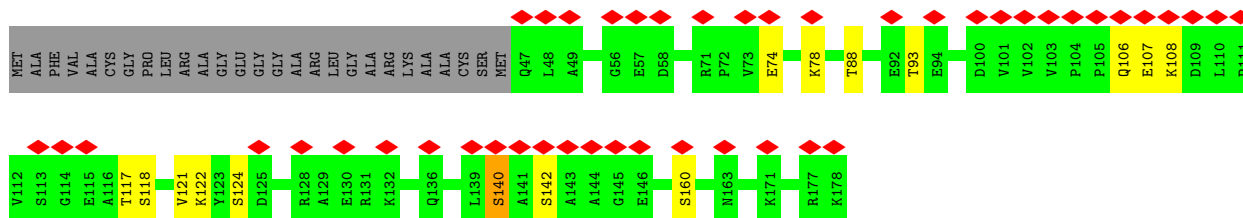
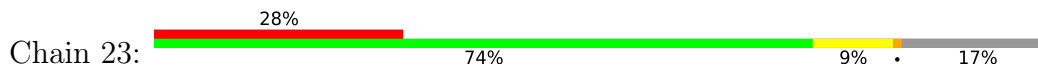




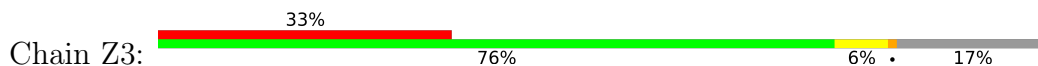
• Molecule 15: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

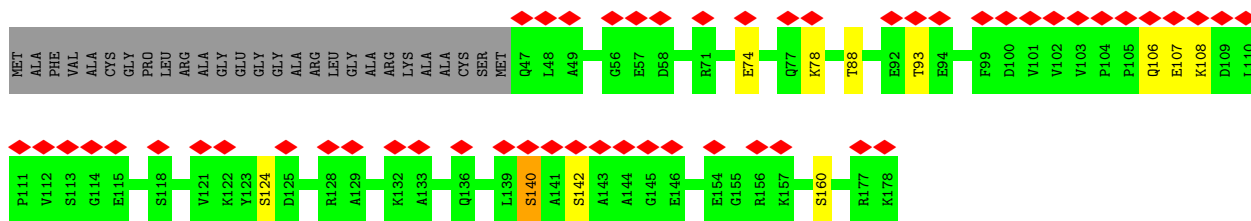


• Molecule 16: Lrc4

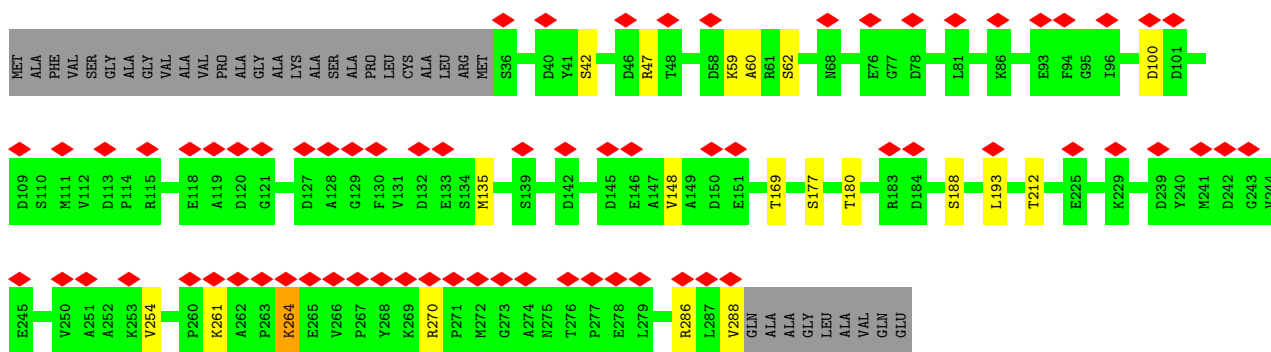
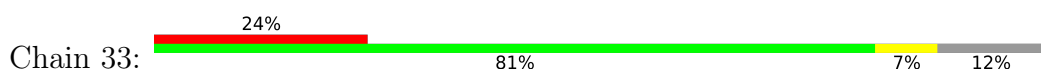


• Molecule 16: Lrc4

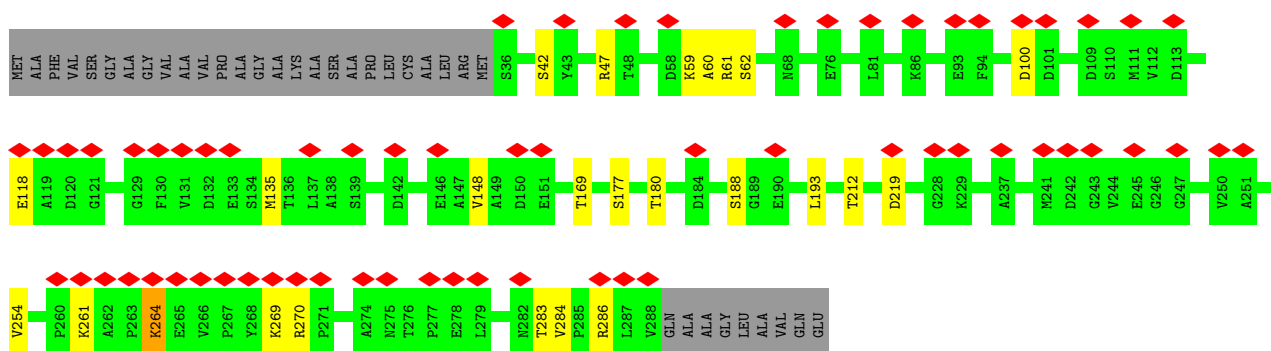
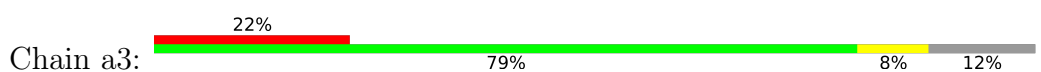




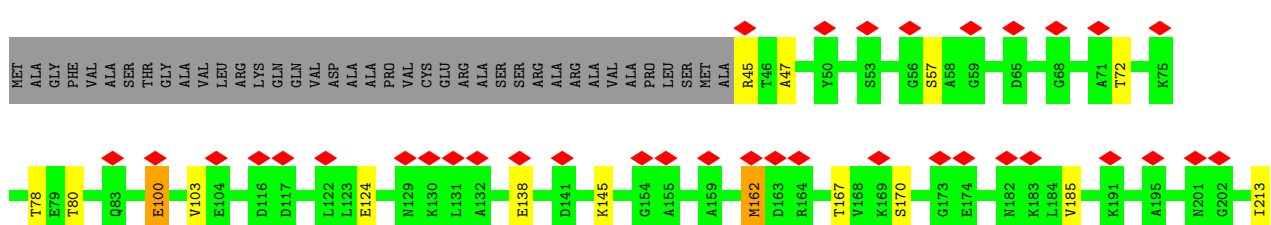
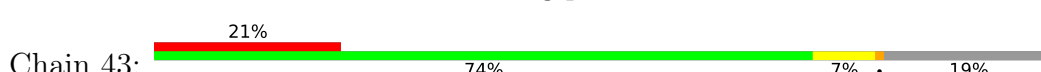
• Molecule 17: LRC5

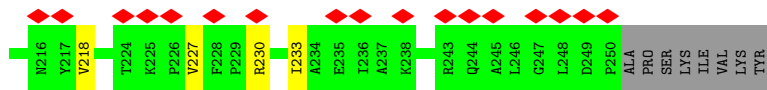


• Molecule 17: LRC5

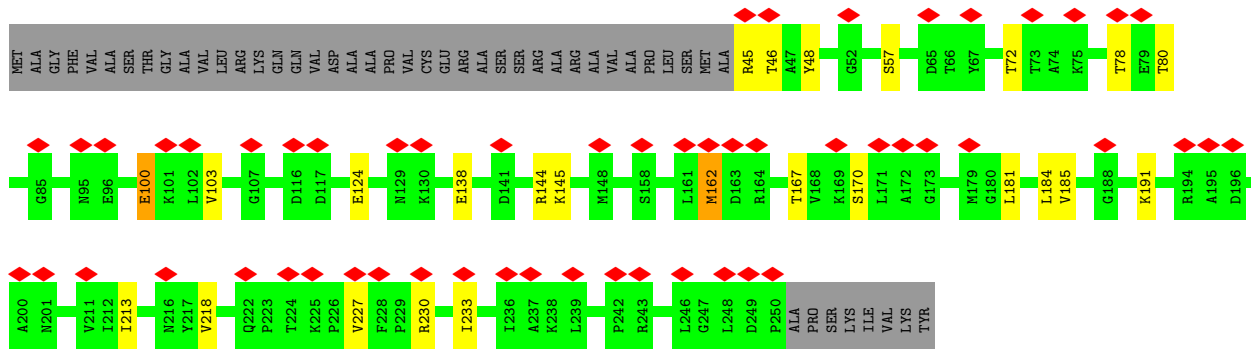
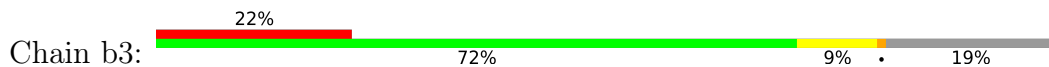


• Molecule 18: FAS1 domain-containing protein

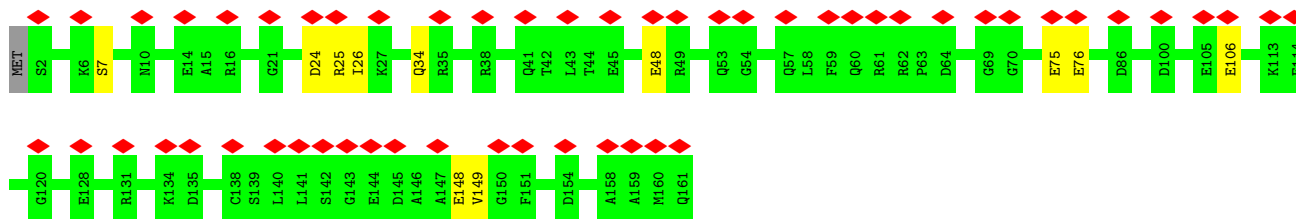
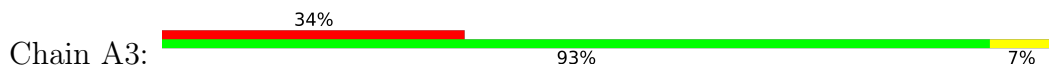




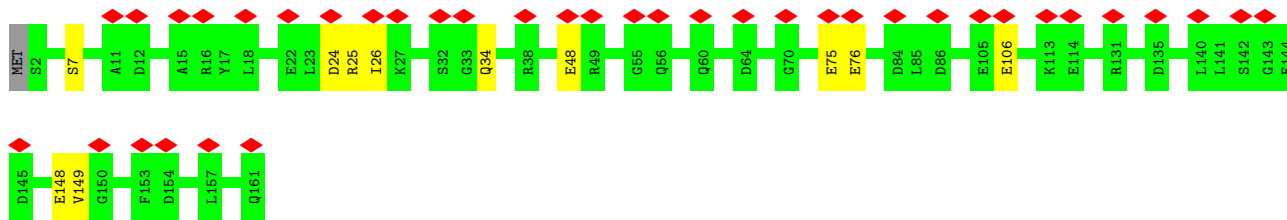
• Molecule 18: FAS1 domain-containing protein



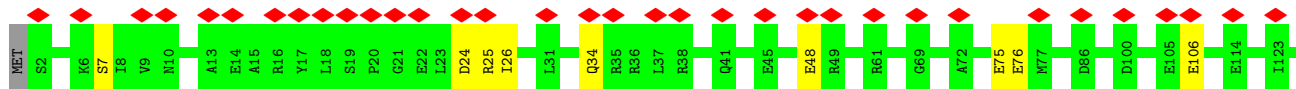
• Molecule 19: Allophycocyanin alpha subunit

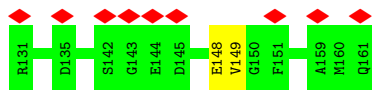


• Molecule 19: Allophycocyanin alpha subunit

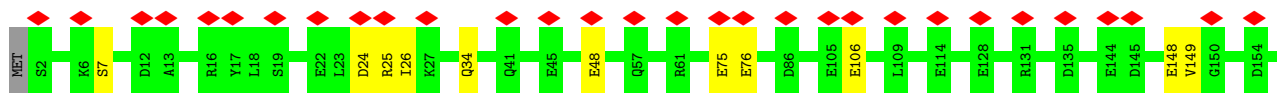


• Molecule 19: Allophycocyanin alpha subunit

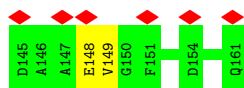
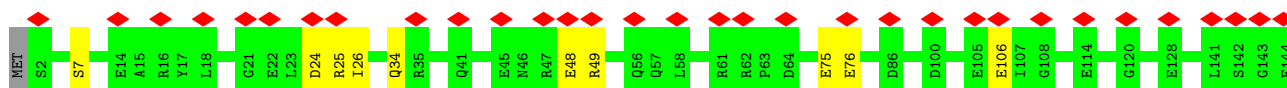




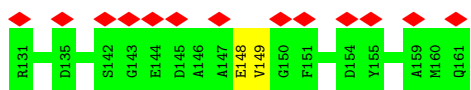
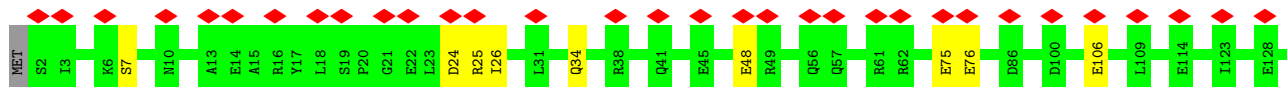
- Molecule 19: Allophycocyanin alpha subunit



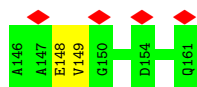
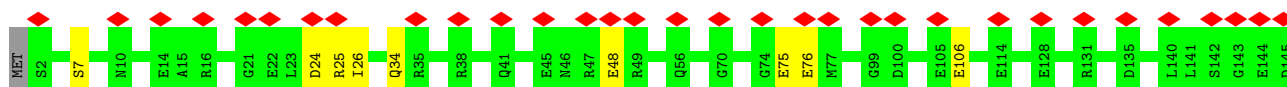
- Molecule 19: Allophycocyanin alpha subunit



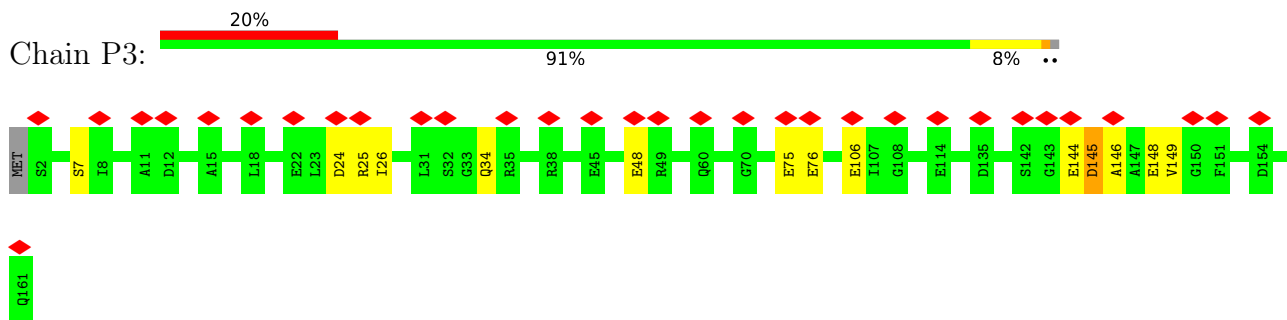
- Molecule 19: Allophycocyanin alpha subunit



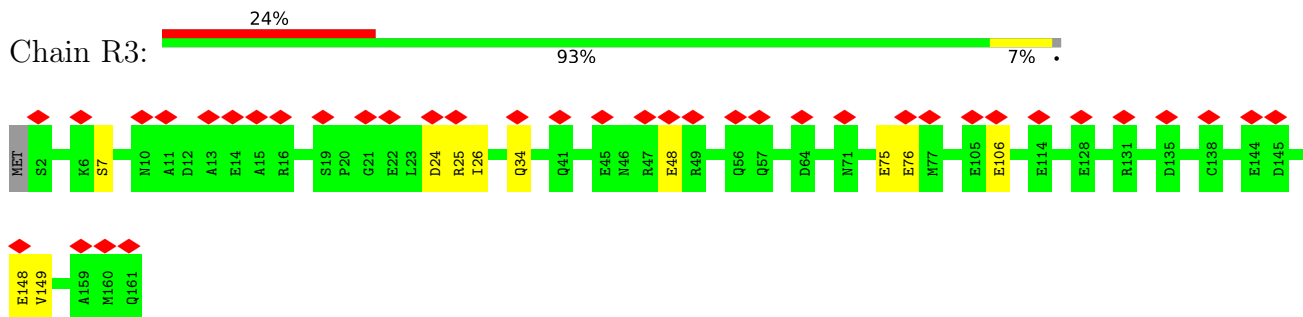
- Molecule 19: Allophycocyanin alpha subunit



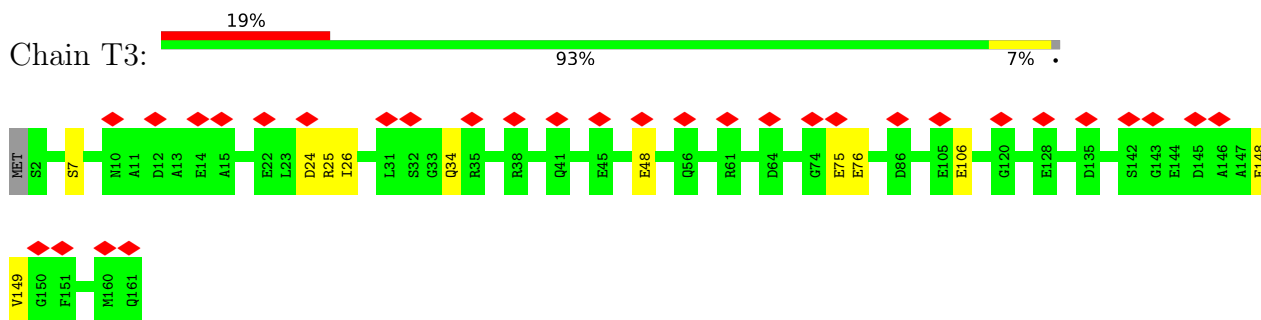
- Molecule 19: Allophycocyanin alpha subunit



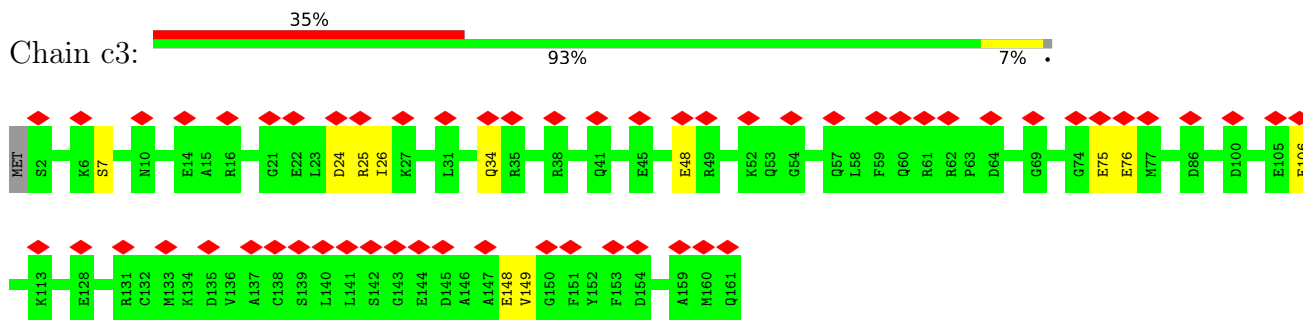
• Molecule 19: Allophycocyanin alpha subunit



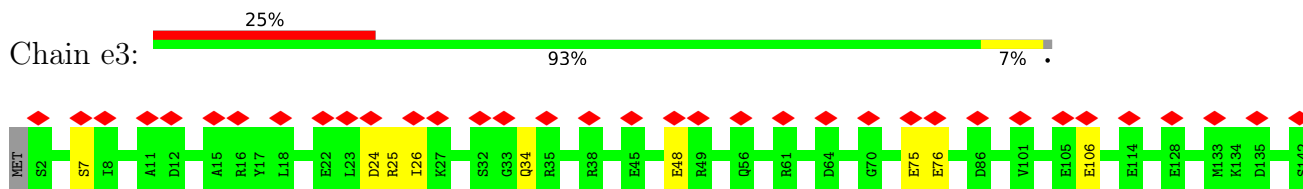
• Molecule 19: Allophycocyanin alpha subunit

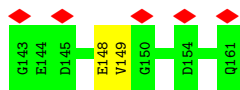


• Molecule 19: Allophycocyanin alpha subunit

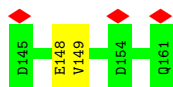
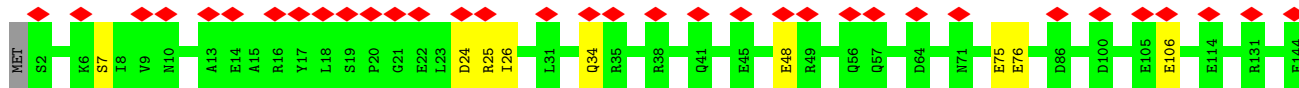
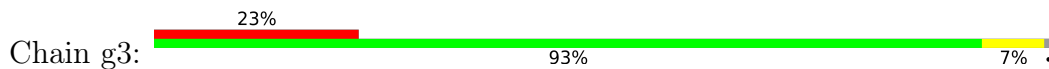


• Molecule 19: Allophycocyanin alpha subunit

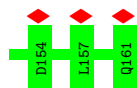
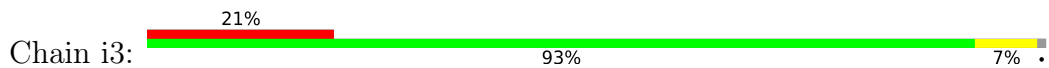




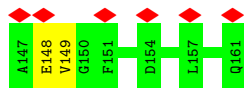
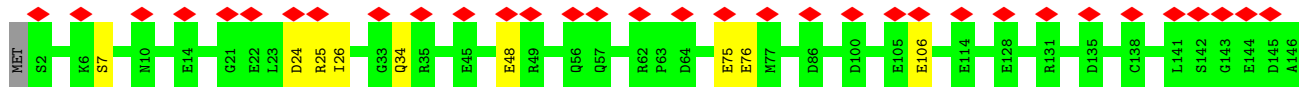
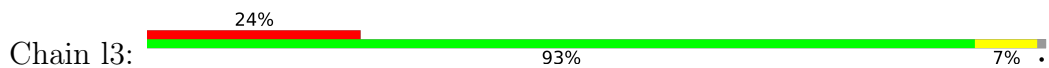
• Molecule 19: Allophycocyanin alpha subunit



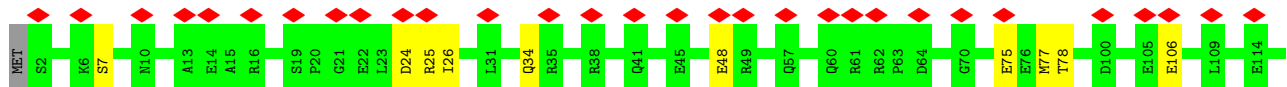
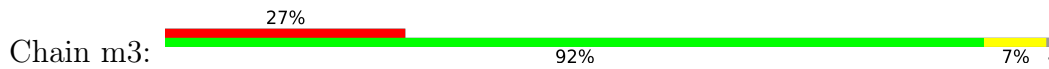
• Molecule 19: Allophycocyanin alpha subunit



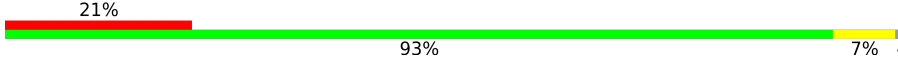
• Molecule 19: Allophycocyanin alpha subunit

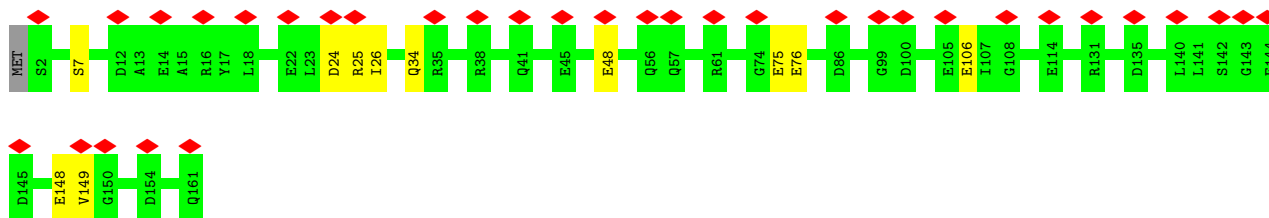


• Molecule 19: Allophycocyanin alpha subunit




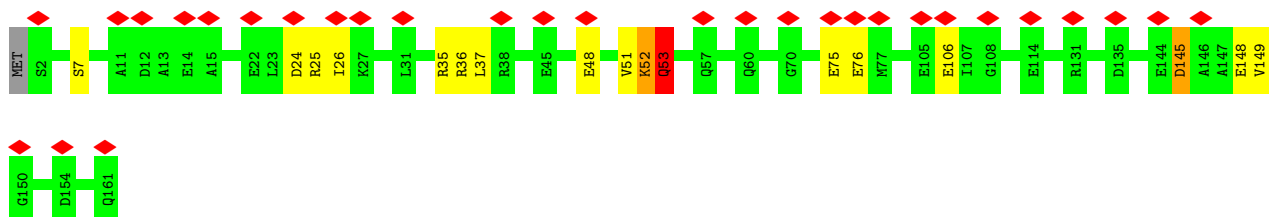
• Molecule 19: Allophycocyanin alpha subunit

Chain p3: 

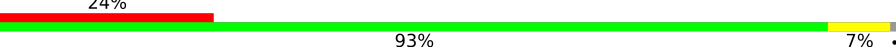


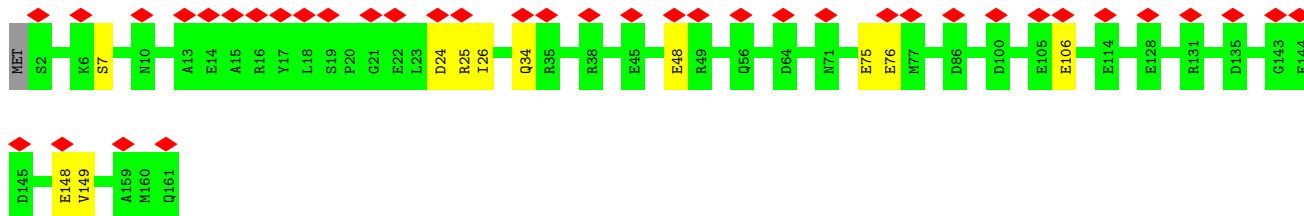
- Molecule 19: Allophycocyanin alpha subunit

Chain r3: 

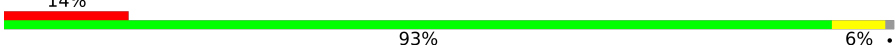


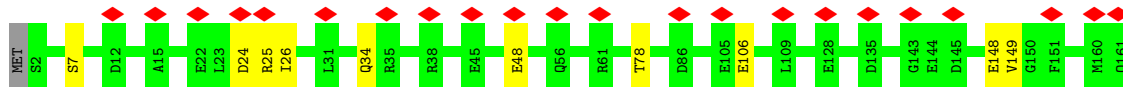
- Molecule 19: Allophycocyanin alpha subunit

Chain t3: 



- Molecule 19: Allophycocyanin alpha subunit

Chain v3: 



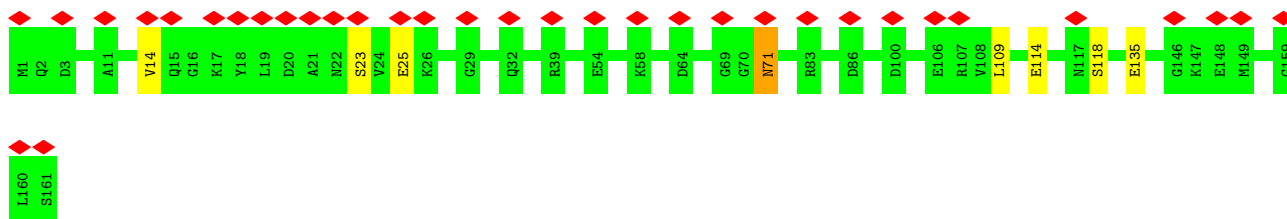
- Molecule 20: Allophycocyanin beta subunit

Chain B3: 

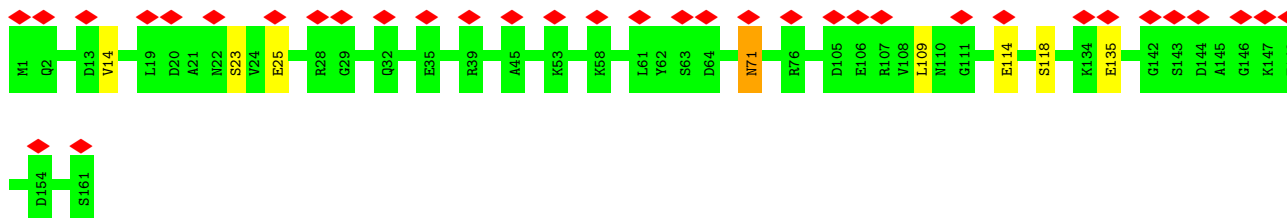


- Molecule 20: Allophycocyanin beta subunit

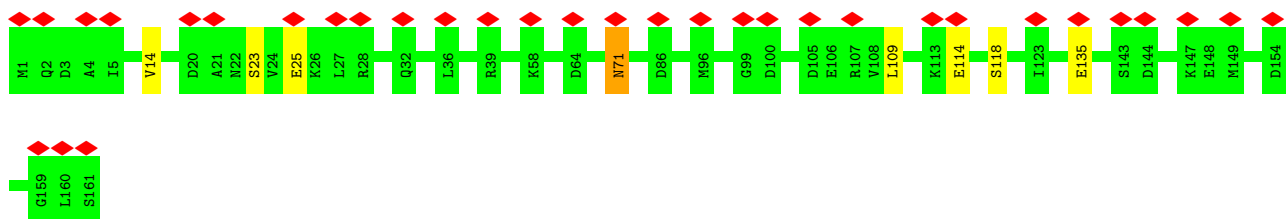
Chain D3: 



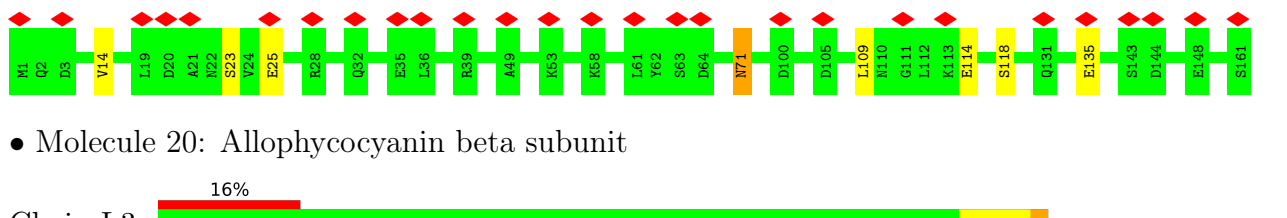
• Molecule 20: Allophycocyanin beta subunit



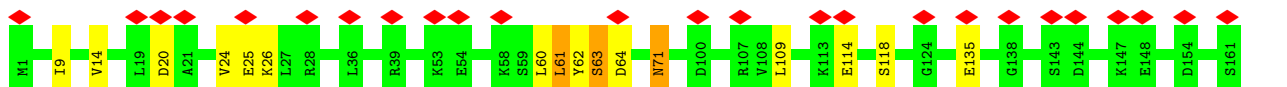
• Molecule 20: Allophycocyanin beta subunit



• Molecule 20: Allophycocyanin beta subunit

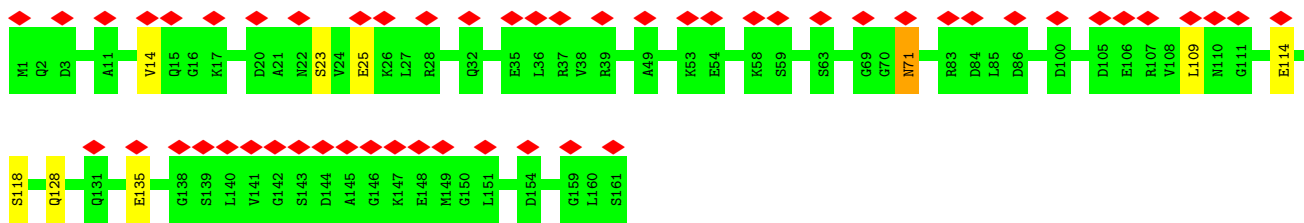


• Molecule 20: Allophycocyanin beta subunit

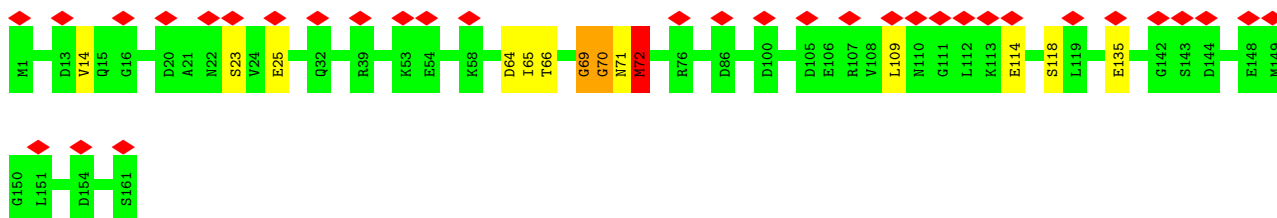
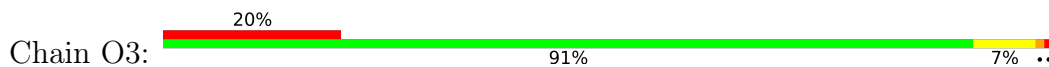


• Molecule 20: Allophycocyanin beta subunit





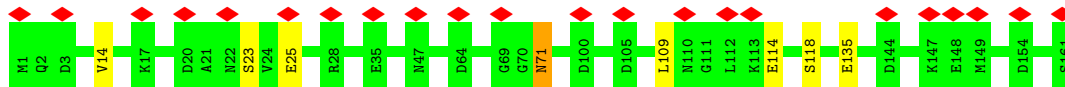
• Molecule 20: Allophycocyanin beta subunit



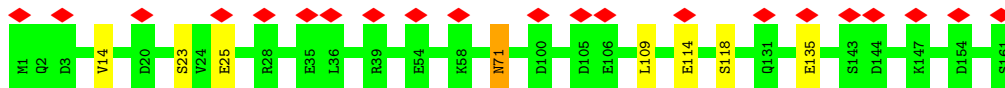
• Molecule 20: Allophycocyanin beta subunit



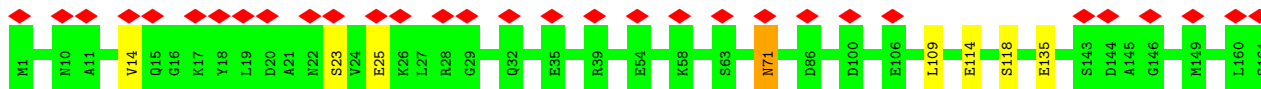
• Molecule 20: Allophycocyanin beta subunit



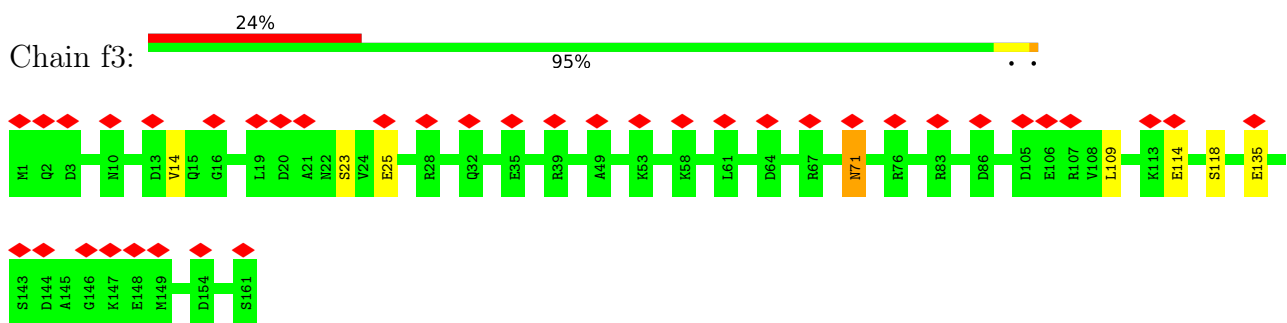
• Molecule 20: Allophycocyanin beta subunit



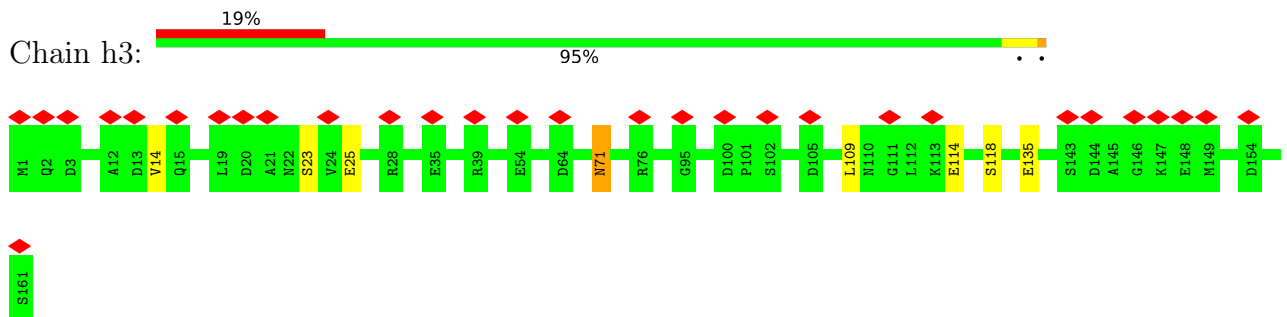
• Molecule 20: Allophycocyanin beta subunit



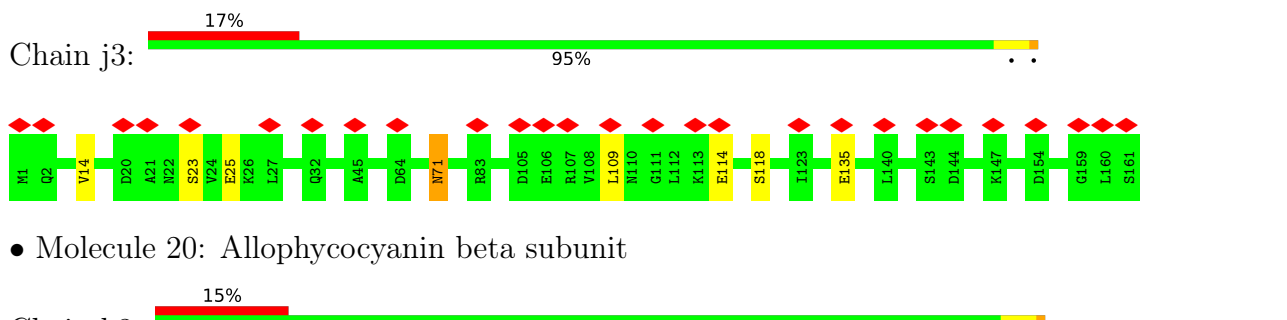
• Molecule 20: Allophycocyanin beta subunit



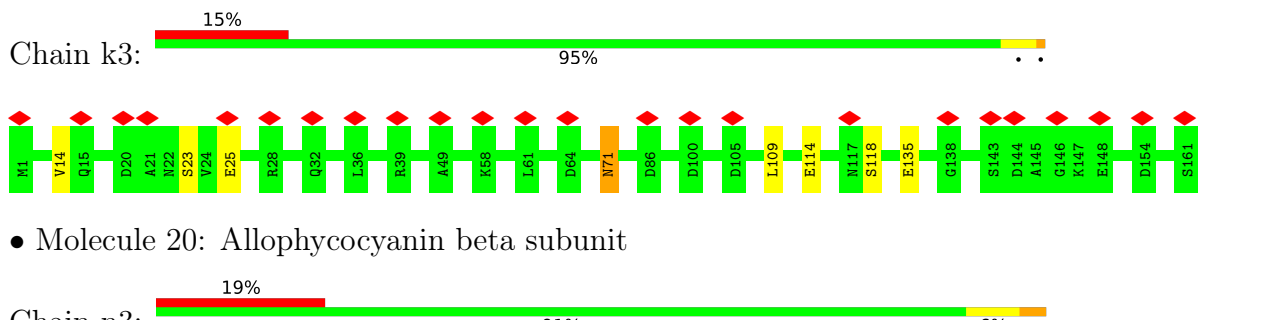
- Molecule 20: Allophycocyanin beta subunit



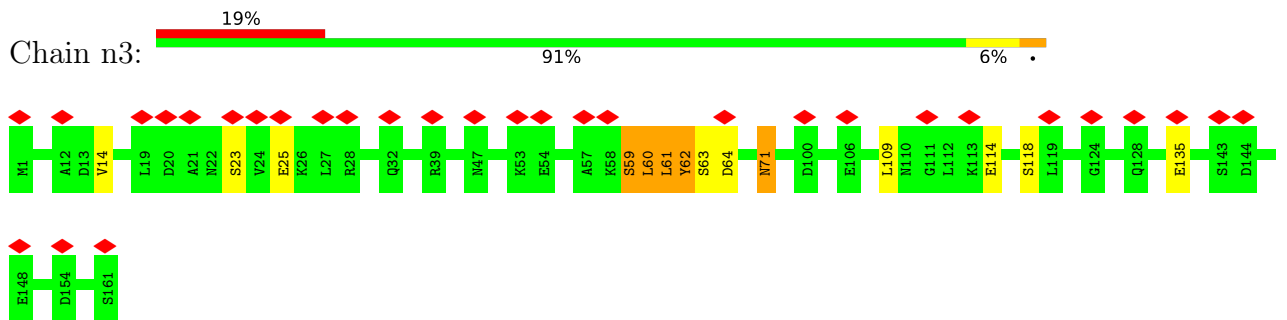
- Molecule 20: Allophycocyanin beta subunit



- Molecule 20: Allophycocyanin beta subunit

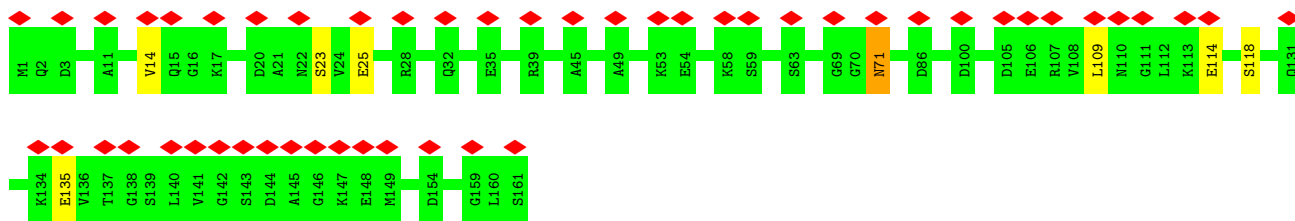


- Molecule 20: Allophycocyanin beta subunit

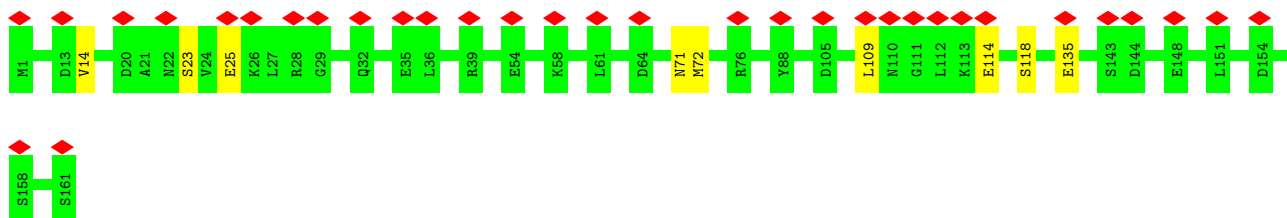


- Molecule 20: Allophycocyanin beta subunit

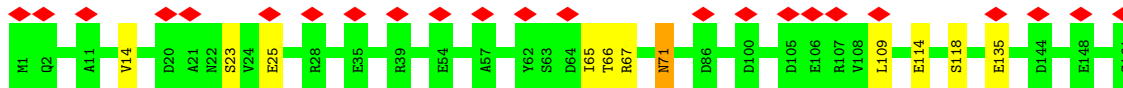
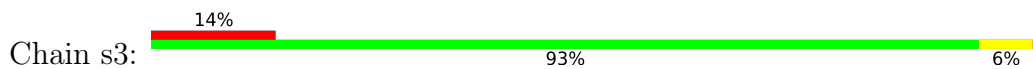




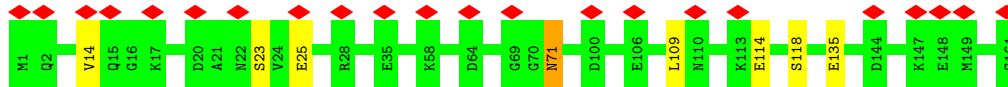
• Molecule 20: Allophycocyanin beta subunit



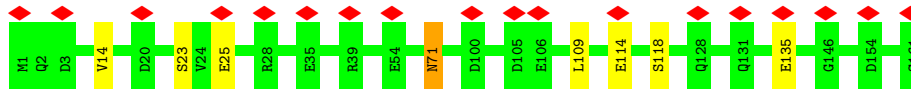
• Molecule 20: Allophycocyanin beta subunit



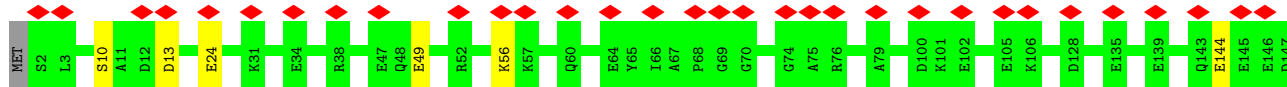
• Molecule 20: Allophycocyanin beta subunit

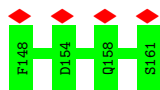


• Molecule 20: Allophycocyanin beta subunit

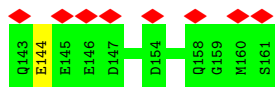
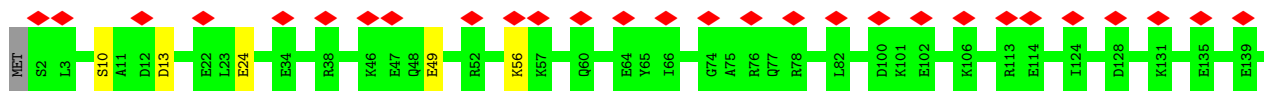


• Molecule 21: Allophycocyanin gamma subunit

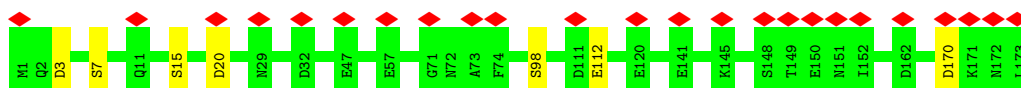




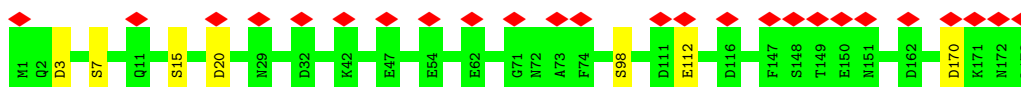
- Molecule 21: Allophycocyanin gamma subunit



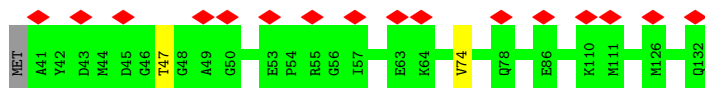
- Molecule 22: Allophycocyanin beta 18 subunit



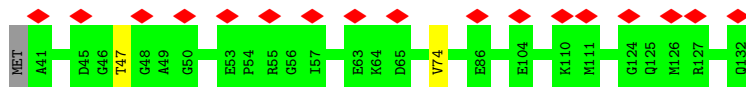
- Molecule 22: Allophycocyanin beta 18 subunit



- Molecule 23: Phycobilisome 7.8 kDa linker polypeptide, allophycocyanin-associated, core



- Molecule 23: Phycobilisome 7.8 kDa linker polypeptide, allophycocyanin-associated, core

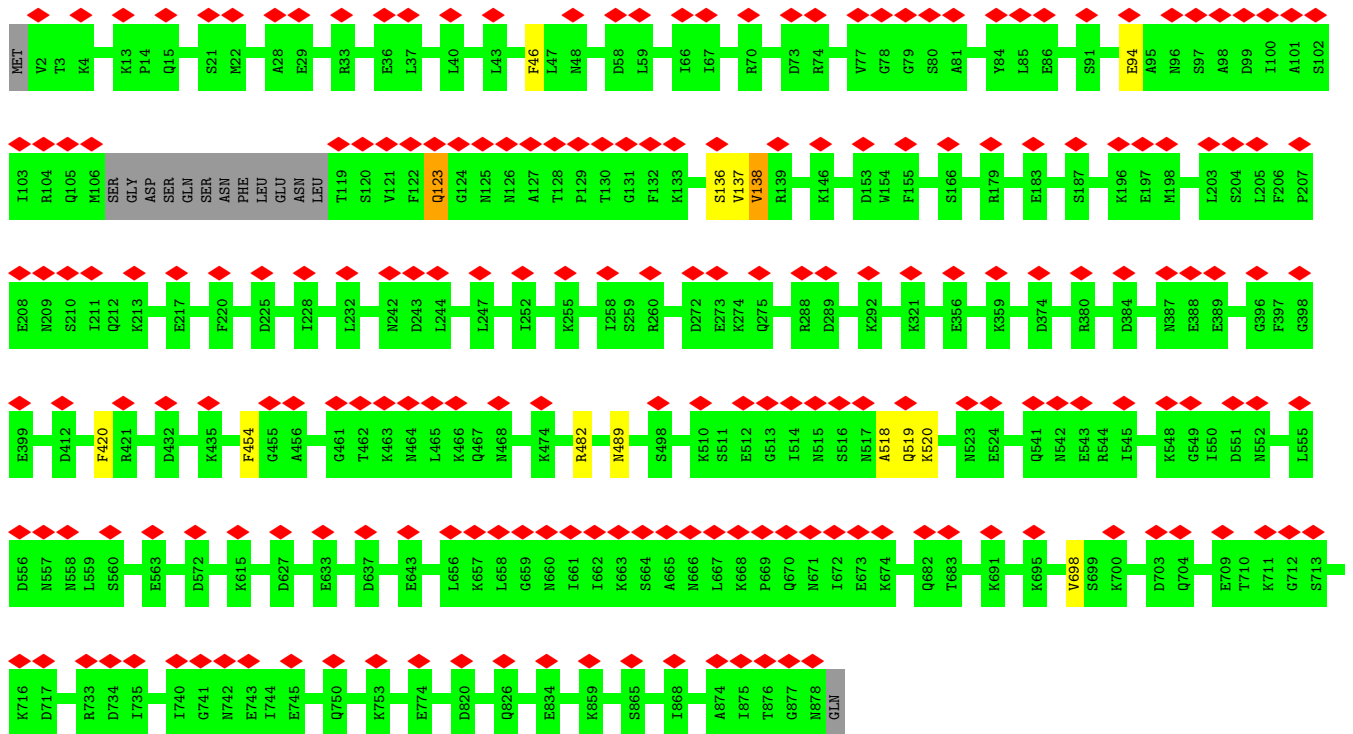


- Molecule 24: Phycobiliprotein ApcE

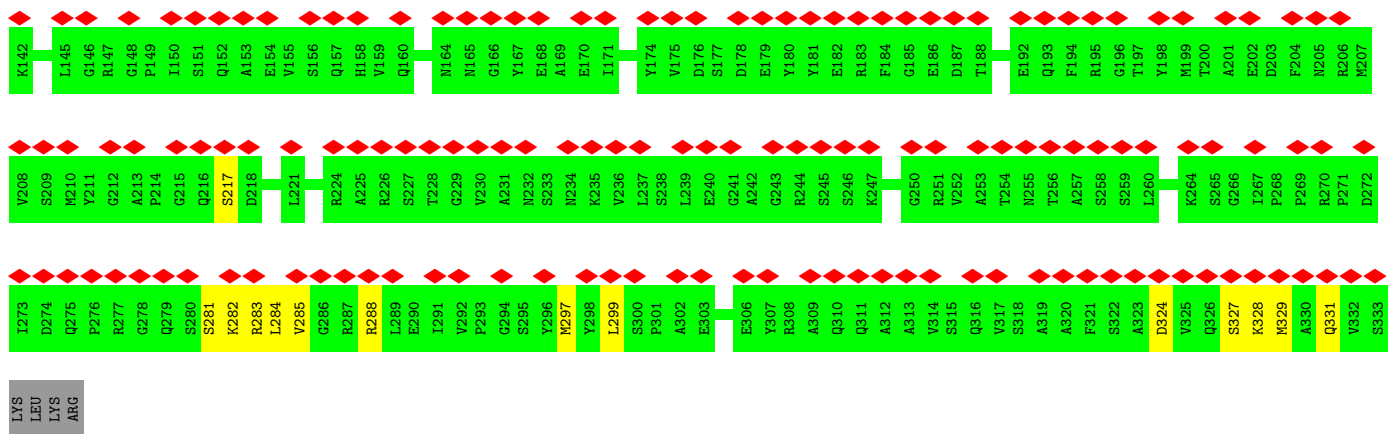




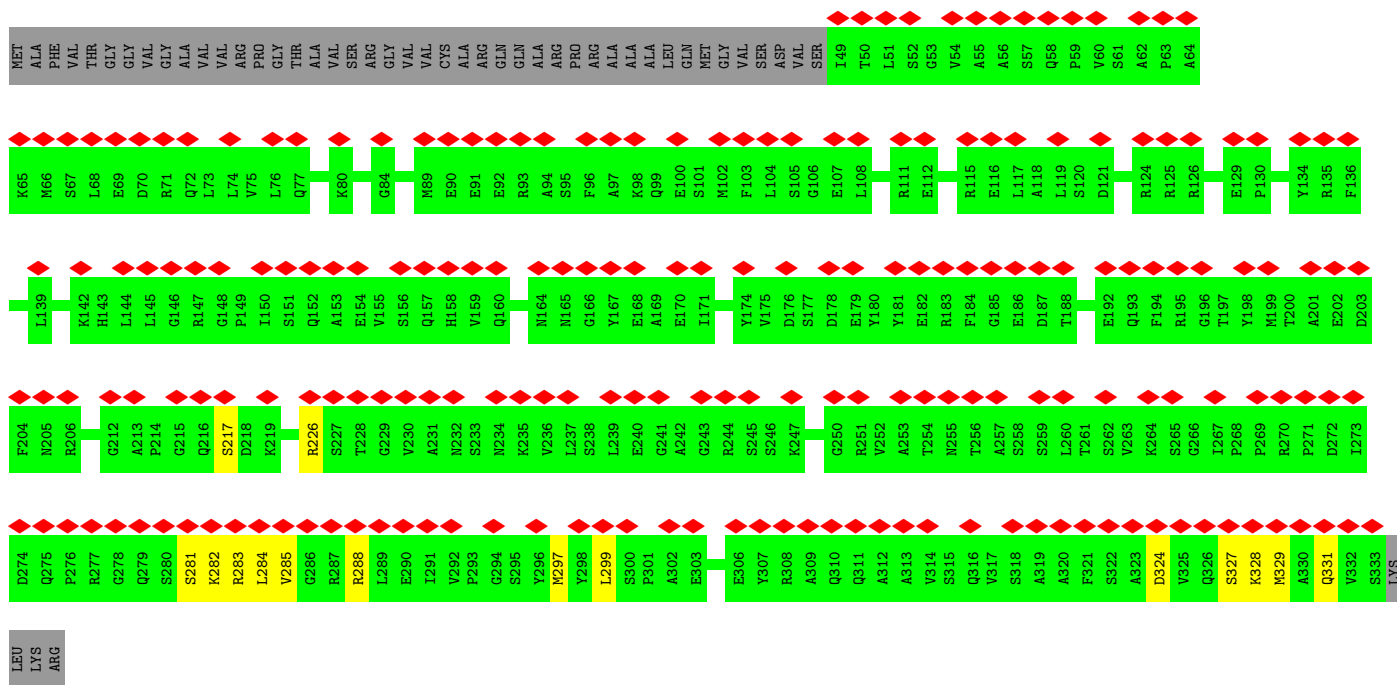
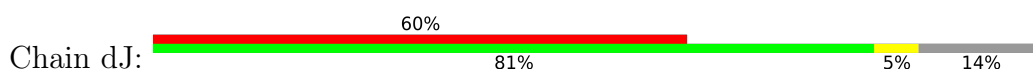
• Molecule 24: Phycobiliprotein ApcE



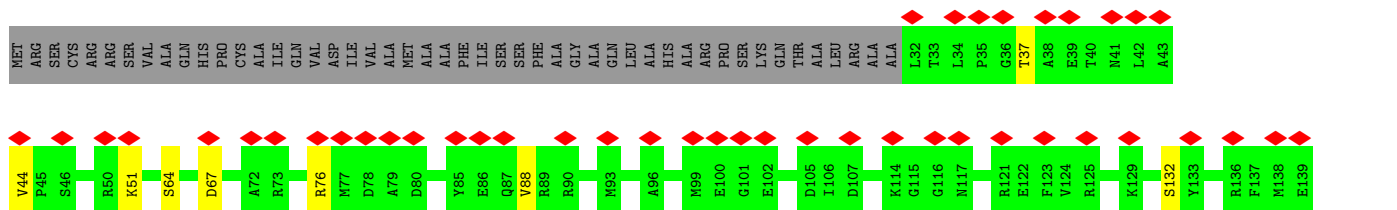
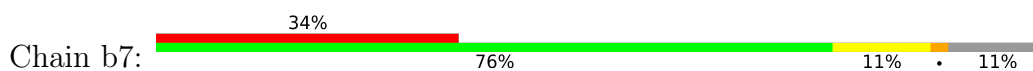
• Molecule 25: Phycobilisome 32.1 kDa linker polypeptide, phycocyanin-associated, rod



• Molecule 26: Phycobilisome 27.9 kDa linker polypeptide, phycoerythrin-associated, rod

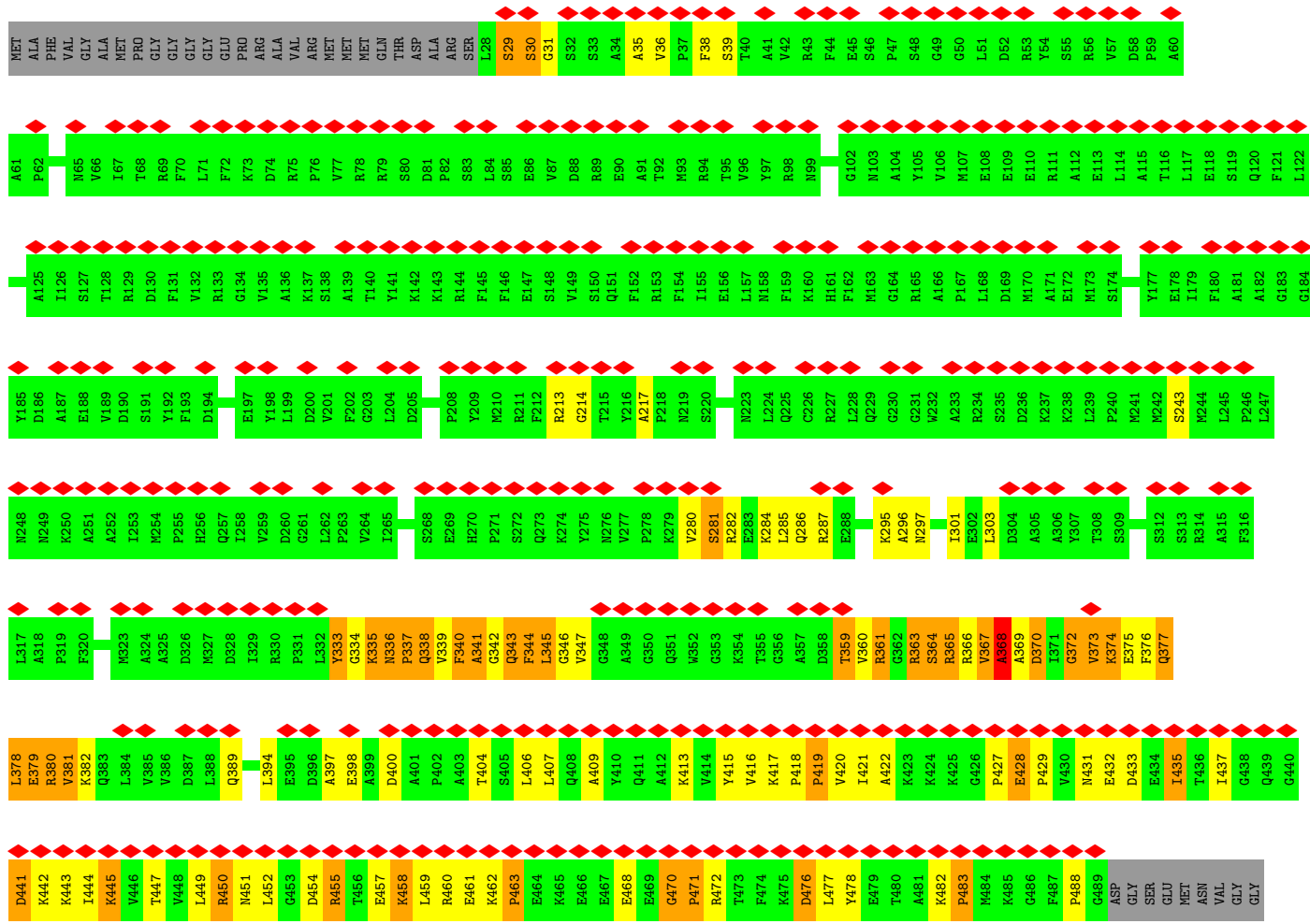


• Molecule 27: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

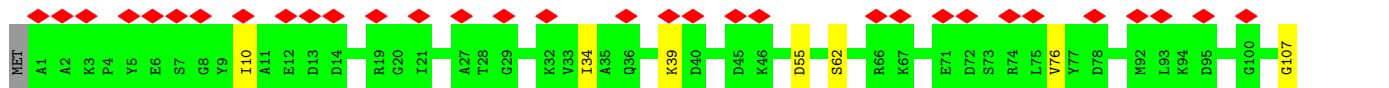
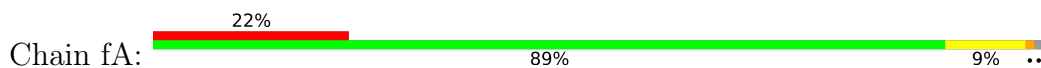


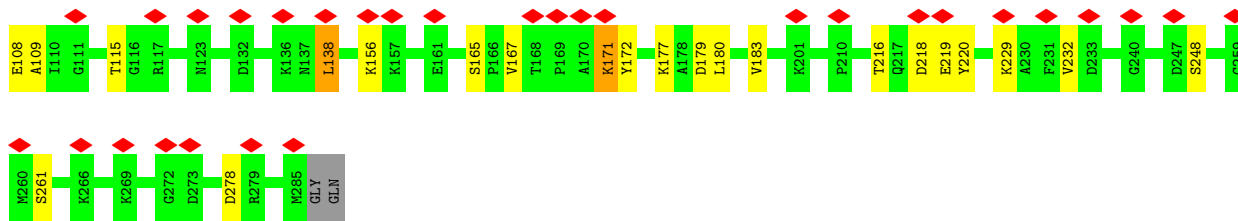


• Molecule 28: Phycobilisome 31.8 kDa linker polypeptide, phycoerythrin-associated, rod

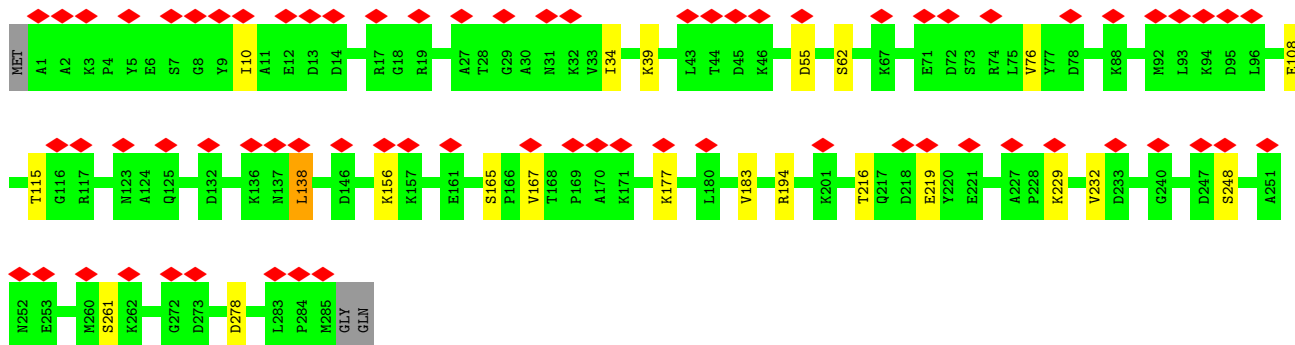


• Molecule 29: FAS1 domain-containing protein

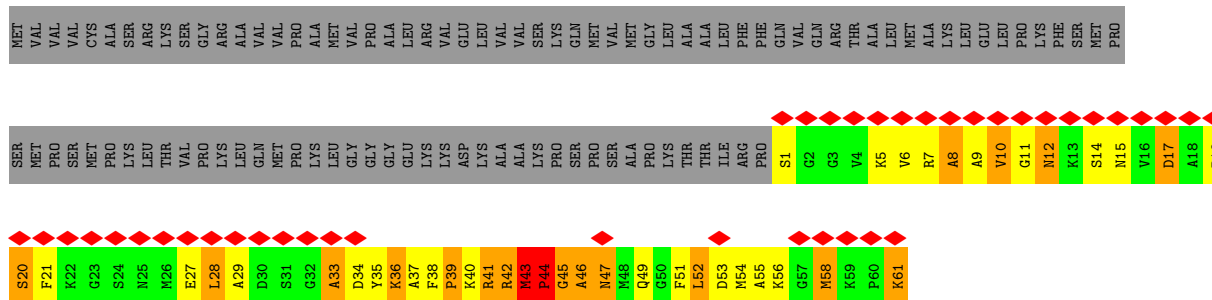




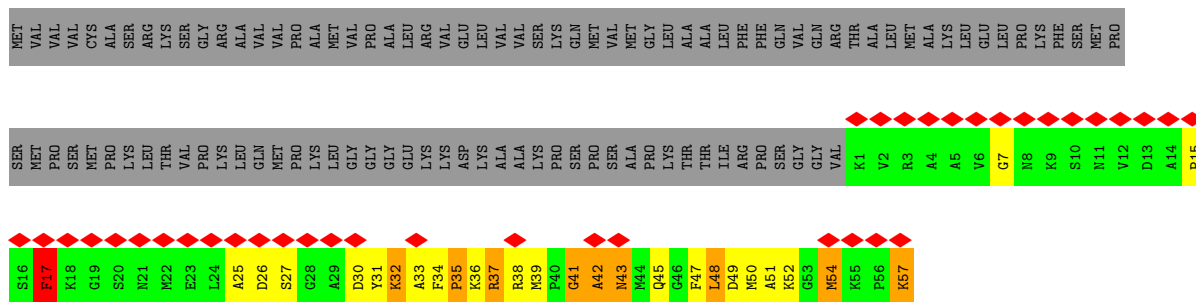
• Molecule 29: FAS1 domain-containing protein



• Molecule 30: LPP2



• Molecule 30: LPP2



4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	215000	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	35	Depositor
Minimum defocus (nm)	1000	Depositor
Maximum defocus (nm)	6000	Depositor
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	1.353	Depositor
Minimum map value	-0.833	Depositor
Average map value	0.002	Depositor
Map value standard deviation	0.081	Depositor
Recommended contour level	0.36	Depositor
Map size (Å)	626.688, 626.688, 626.688	wwPDB
Map dimensions	384, 384, 384	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.632, 1.632, 1.632	Depositor

5 Model quality i

5.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: MEN, PUB, PEB, CYC

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# $ Z > 5$	RMSZ	# $ Z > 5$
1	AA	1.16	9/793 (1.1%)	1.60	14/1069 (1.3%)
1	EA	0.54	0/797	0.97	2/1073 (0.2%)
2	B1	0.33	0/1297	0.66	0/1750
2	B7	0.31	0/1297	0.59	1/1750 (0.1%)
2	B8	0.32	0/1303	0.57	1/1758 (0.1%)
2	B9	0.43	1/1297 (0.1%)	0.70	3/1750 (0.2%)
2	BA	0.39	0/1297	0.60	0/1750
2	BF	0.32	0/1303	0.56	1/1758 (0.1%)
2	BG	0.37	0/1297	0.73	5/1750 (0.3%)
2	BI	0.32	0/1294	0.60	1/1746 (0.1%)
2	BK	0.33	0/1297	0.66	0/1750
2	C5	0.37	0/1297	0.61	0/1750
2	CA	0.38	0/1297	0.61	1/1750 (0.1%)
2	CJ	0.37	0/1297	0.61	0/1750
2	D1	0.33	0/1297	0.62	0/1750
2	D4	0.30	0/1315	0.54	1/1774 (0.1%)
2	D7	0.31	0/1297	0.59	1/1750 (0.1%)
2	D8	0.36	0/1315	0.60	0/1774
2	D9	0.38	1/1297 (0.1%)	0.58	0/1750
2	DA	0.43	0/1065	0.66	1/1437 (0.1%)
2	DF	0.35	0/1315	0.58	0/1774
2	DG	0.36	0/1297	0.62	3/1750 (0.2%)
2	DH	0.35	0/1315	0.55	0/1774
2	DI	0.40	0/1297	0.75	4/1750 (0.2%)
2	DK	0.33	0/1297	0.62	0/1750
2	E5	0.37	0/1297	0.63	1/1750 (0.1%)
2	EJ	0.37	0/1297	0.63	1/1750 (0.1%)
2	F1	0.33	0/1297	0.63	1/1750 (0.1%)
2	F4	0.32	0/1315	0.62	4/1774 (0.2%)
2	F7	0.33	0/1297	0.61	1/1750 (0.1%)
2	F8	0.44	0/1315	0.62	0/1774
2	F9	0.43	0/1297	0.63	1/1750 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	FA	0.43	0/1297	0.64	2/1750 (0.1%)
2	FF	0.44	0/1315	0.62	0/1774
2	FG	0.36	0/1297	0.72	3/1750 (0.2%)
2	FH	0.41	0/1315	0.68	3/1774 (0.2%)
2	FI	0.36	0/1297	0.63	2/1750 (0.1%)
2	FK	0.34	0/1297	0.63	1/1750 (0.1%)
2	G5	0.32	0/1297	0.61	1/1750 (0.1%)
2	GA	0.39	0/1297	0.56	0/1750
2	GJ	0.32	0/1297	0.61	1/1750 (0.1%)
2	H1	0.34	0/1309	0.64	0/1766
2	H4	0.30	0/1315	0.59	2/1774 (0.1%)
2	H7	0.31	0/1309	0.66	1/1766 (0.1%)
2	H8	0.37	0/1315	0.56	1/1774 (0.1%)
2	H9	0.38	0/1309	0.59	0/1766
2	HA	0.40	0/1273	0.69	0/1718
2	HF	0.37	0/1315	0.56	1/1774 (0.1%)
2	HG	0.39	0/1303	0.71	3/1758 (0.2%)
2	HH	0.37	0/1315	0.57	1/1774 (0.1%)
2	HI	0.32	0/1309	0.59	1/1766 (0.1%)
2	HK	0.34	0/1309	0.64	0/1766
2	I5	0.42	0/1309	0.71	3/1766 (0.2%)
2	IA	0.45	0/1297	0.71	3/1750 (0.2%)
2	IJ	0.41	0/1309	0.72	3/1766 (0.2%)
2	J1	0.34	0/1297	0.65	0/1750
2	J4	0.30	0/1309	0.52	0/1766
2	J7	0.41	0/1297	0.66	3/1750 (0.2%)
2	J8	0.39	0/1315	0.60	2/1774 (0.1%)
2	J9	0.40	0/1297	0.59	0/1750
2	JF	0.39	0/1315	0.60	2/1774 (0.1%)
2	JG	0.38	0/1297	0.67	2/1750 (0.1%)
2	JH	0.36	0/1309	0.56	0/1766
2	JI	0.36	0/1297	0.64	2/1750 (0.1%)
2	JK	0.34	0/1297	0.65	0/1750
2	K5	0.33	0/1297	0.57	0/1750
2	KJ	0.33	0/1297	0.57	0/1750
2	L1	0.34	0/1297	0.65	0/1750
2	L4	0.32	0/1315	0.53	0/1774
2	L7	0.31	0/1297	0.60	1/1750 (0.1%)
2	L8	0.49	0/1315	0.67	2/1774 (0.1%)
2	L9	0.41	0/1297	0.59	0/1750
2	LA	0.36	0/1293	0.85	6/1746 (0.3%)
2	LF	0.49	0/1315	0.67	2/1774 (0.1%)
2	LG	0.40	0/1297	0.64	1/1750 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	LH	0.42	0/1315	0.63	3/1774 (0.2%)
2	LI	0.30	0/1297	0.54	1/1750 (0.1%)
2	LK	0.34	0/1297	0.65	0/1750
2	M5	0.34	0/1297	0.61	0/1750
2	MA	0.41	0/1297	0.66	1/1750 (0.1%)
2	MJ	0.34	0/1297	0.61	0/1750
2	N1	0.35	0/1315	0.56	0/1774
2	N4	0.37	0/1315	0.64	1/1774 (0.1%)
2	N7	0.31	0/1297	0.61	2/1750 (0.1%)
2	N8	0.34	0/1315	0.62	0/1774
2	NA	0.43	0/1056	0.65	0/1426
2	NF	0.33	0/1315	0.62	0/1774
2	NH	0.45	0/1315	0.65	1/1774 (0.1%)
2	NK	0.35	0/1315	0.56	0/1774
2	O5	0.33	0/1297	0.62	1/1750 (0.1%)
2	O9	0.38	0/1297	0.60	0/1750
2	OA	0.41	0/1297	0.67	1/1750 (0.1%)
2	OG	0.38	0/1297	0.75	6/1750 (0.3%)
2	OI	0.34	0/1297	0.61	0/1750
2	OJ	0.33	0/1297	0.62	1/1750 (0.1%)
2	P1	0.41	0/1315	0.59	0/1774
2	P2	0.35	0/1297	0.63	2/1750 (0.1%)
2	P4	0.28	0/1297	0.50	0/1750
2	P6	0.30	0/1297	0.47	0/1750
2	P7	0.31	0/1297	0.61	2/1750 (0.1%)
2	P8	0.33	0/1315	0.59	0/1774
2	PA	0.39	0/1297	0.61	1/1750 (0.1%)
2	PB	0.30	0/1297	0.47	0/1750
2	PC	0.35	0/1297	0.62	1/1750 (0.1%)
2	PD	0.37	0/1297	0.47	0/1750
2	PE	0.36	0/1297	0.47	0/1750
2	PF	0.33	0/1315	0.60	0/1774
2	PH	0.31	0/1297	0.50	0/1750
2	PK	0.41	0/1315	0.59	0/1774
2	Q5	0.33	0/1297	0.67	4/1750 (0.2%)
2	Q9	0.38	0/1297	0.59	0/1750
2	QA	0.40	0/1273	0.66	0/1718
2	QG	0.41	0/1297	0.73	7/1750 (0.4%)
2	QI	0.39	0/1297	0.75	3/1750 (0.2%)
2	QJ	0.33	0/1297	0.67	4/1750 (0.2%)
2	R1	0.42	0/1315	0.58	0/1774
2	R2	0.34	0/1297	0.62	1/1750 (0.1%)
2	R4	0.32	0/1303	0.51	0/1758

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	R6	0.35	0/1297	0.49	0/1750
2	R7	0.32	0/1297	0.63	2/1750 (0.1%)
2	R8	0.36	0/1309	0.58	0/1766
2	RA	0.35	0/1297	0.63	2/1750 (0.1%)
2	RB	0.35	0/1297	0.49	0/1750
2	RC	0.34	0/1297	0.62	1/1750 (0.1%)
2	RD	0.32	0/1297	0.49	0/1750
2	RE	0.33	0/1297	0.49	0/1750
2	RF	0.36	0/1309	0.58	0/1766
2	RH	0.36	0/1303	0.65	2/1758 (0.1%)
2	RK	0.41	0/1315	0.58	0/1774
2	S5	0.34	0/1297	0.60	0/1750
2	S9	0.44	0/1297	0.66	2/1750 (0.1%)
2	SA	0.43	0/1297	0.64	1/1750 (0.1%)
2	SG	0.39	1/1297 (0.1%)	0.70	3/1750 (0.2%)
2	SI	0.36	0/1297	0.57	0/1750
2	SJ	0.34	0/1297	0.60	0/1750
2	T1	0.54	0/1315	0.62	0/1774
2	T2	0.33	0/1297	0.62	0/1750
2	T4	0.31	0/1315	0.55	0/1774
2	T6	0.33	0/1297	0.47	0/1750
2	T7	0.33	0/1309	0.67	3/1766 (0.2%)
2	T8	0.37	0/1309	0.61	1/1766 (0.1%)
2	TB	0.33	0/1297	0.47	0/1750
2	TC	0.34	0/1297	0.62	0/1750
2	TD	0.36	0/1297	0.49	0/1750
2	TE	0.36	0/1297	0.49	0/1750
2	TF	0.38	0/1309	0.61	1/1766 (0.1%)
2	TH	0.37	0/1315	0.63	1/1774 (0.1%)
2	TK	0.54	0/1315	0.62	0/1774
2	U5	0.35	0/1309	0.66	0/1766
2	U9	0.35	0/1309	0.59	0/1766
2	UG	0.38	0/1303	0.65	3/1758 (0.2%)
2	UI	0.36	0/1309	0.64	0/1766
2	UJ	0.35	0/1309	0.66	0/1766
2	V1	0.34	0/1315	0.57	0/1774
2	V2	0.37	0/1305	0.69	2/1762 (0.1%)
2	V4	0.31	0/1315	0.61	2/1774 (0.1%)
2	V6	0.38	0/1297	0.49	0/1750
2	V7	0.35	0/1297	0.63	1/1750 (0.1%)
2	V8	0.35	0/1309	0.61	2/1766 (0.1%)
2	VA	0.38	0/1297	0.70	3/1750 (0.2%)
2	VB	0.38	0/1297	0.49	0/1750

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	VC	0.39	0/1303	0.70	1/1758 (0.1%)
2	VD	0.31	0/1309	0.54	2/1766 (0.1%)
2	VE	0.31	0/1309	0.53	2/1766 (0.1%)
2	VF	0.35	0/1309	0.61	2/1766 (0.1%)
2	VH	0.36	0/1315	0.65	3/1774 (0.2%)
2	VK	0.34	0/1315	0.57	0/1774
2	W5	0.33	0/1297	0.70	4/1750 (0.2%)
2	W9	0.47	0/1297	0.65	2/1750 (0.1%)
2	WG	0.37	0/1297	0.75	4/1750 (0.2%)
2	WI	0.35	0/1297	0.66	3/1750 (0.2%)
2	WJ	0.33	0/1297	0.70	4/1750 (0.2%)
2	X1	0.41	0/1315	0.59	0/1774
2	X4	0.31	0/1309	0.57	2/1766 (0.1%)
2	X7	0.32	0/1297	0.62	2/1750 (0.1%)
2	X8	0.38	0/1315	0.62	0/1774
2	XA	0.35	0/1297	0.61	1/1750 (0.1%)
2	XF	0.37	0/1315	0.62	0/1774
2	XH	0.37	0/1309	0.58	1/1766 (0.1%)
2	XK	0.41	0/1315	0.59	0/1774
2	Y2	0.32	0/1297	0.61	0/1750
2	Y5	0.33	0/1297	0.62	0/1750
2	Y6	0.32	0/1297	0.47	0/1750
2	Y9	0.41	0/1297	0.66	1/1750 (0.1%)
2	YA	0.36	0/1297	0.60	1/1750 (0.1%)
2	YB	0.32	0/1297	0.53	1/1750 (0.1%)
2	YC	0.32	0/1297	0.61	0/1750
2	YD	0.40	0/1297	0.50	0/1750
2	YE	0.40	0/1297	0.50	0/1750
2	YG	0.41	0/1297	0.64	0/1750
2	YI	0.32	0/1297	0.53	0/1750
2	YJ	0.33	0/1297	0.62	0/1750
2	Z4	0.32	0/1315	0.54	1/1774 (0.1%)
2	Z8	0.33	0/1315	0.69	2/1774 (0.1%)
2	ZA	0.35	0/1112	0.65	0/1500
2	ZF	0.33	0/1315	0.69	2/1774 (0.1%)
2	ZH	0.40	0/1315	0.58	1/1774 (0.1%)
2	a2	0.33	0/1297	0.63	0/1750
2	a6	0.38	0/1297	0.53	0/1750
2	aA	0.38	0/1297	0.58	0/1750
2	aB	0.38	0/1297	0.53	0/1750
2	aC	0.33	0/1297	0.63	0/1750
2	aD	0.32	0/1297	0.48	0/1750
2	aE	0.32	0/1297	0.48	0/1750

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	b8	0.33	0/1315	0.58	0/1774
2	bA	0.33	0/1297	0.59	1/1750 (0.1%)
2	bF	0.33	0/1315	0.58	1/1774 (0.1%)
2	c2	0.33	0/1297	0.60	1/1750 (0.1%)
2	c4	0.30	0/1309	0.59	1/1766 (0.1%)
2	c6	0.27	0/1297	0.46	0/1750
2	cB	0.27	0/1297	0.46	0/1750
2	cC	0.33	0/1297	0.60	1/1750 (0.1%)
2	cD	0.30	0/1297	0.53	0/1750
2	cE	0.30	0/1297	0.53	0/1750
2	cH	0.32	0/1309	0.60	1/1766 (0.1%)
2	d8	0.34	0/1309	0.64	2/1766 (0.1%)
2	dA	0.33	0/1297	0.55	0/1750
2	dF	0.33	0/1309	0.64	2/1766 (0.1%)
2	e2	0.35	0/1297	0.63	0/1750
2	e4	0.29	0/1315	0.55	0/1774
2	e6	0.28	0/1297	0.48	0/1750
2	eA	0.37	0/1297	0.55	0/1750
2	eB	0.29	0/1297	0.48	0/1750
2	eC	0.35	0/1297	0.63	0/1750
2	eD	0.29	0/1297	0.53	0/1750
2	eE	0.29	0/1297	0.52	0/1750
2	eH	0.35	0/1315	0.59	0/1774
2	f8	0.33	0/1309	0.61	0/1766
2	fF	0.33	0/1309	0.61	0/1766
2	g2	0.35	0/1297	0.62	0/1750
2	g4	0.28	0/1315	0.56	0/1774
2	g6	0.27	0/1297	0.50	0/1750
2	gA	0.42	0/1102	0.73	2/1488 (0.1%)
2	gB	0.27	0/1297	0.50	0/1750
2	gC	0.34	0/1297	0.62	0/1750
2	gD	0.29	0/1297	0.51	0/1750
2	gE	0.29	0/1297	0.50	0/1750
2	gH	0.29	0/1315	0.56	0/1774
2	h8	0.32	0/1315	0.61	0/1774
2	hF	0.32	0/1315	0.61	0/1774
2	i2	0.34	0/1309	0.68	1/1766 (0.1%)
2	i4	0.29	0/1315	0.55	0/1774
2	i6	0.28	0/1303	0.51	0/1758
2	iB	0.28	0/1303	0.51	0/1758
2	iC	0.34	0/1309	0.68	1/1766 (0.1%)
2	iD	0.29	0/1309	0.57	0/1766
2	iE	0.29	0/1309	0.57	0/1766

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	iH	0.32	0/1315	0.59	0/1774
2	j8	0.32	0/1315	0.58	0/1774
2	jF	0.32	0/1315	0.58	0/1774
2	k2	0.32	0/1297	0.64	1/1750 (0.1%)
2	k4	0.29	0/1315	0.55	0/1774
2	k6	0.34	0/1297	0.60	1/1750 (0.1%)
2	kB	0.43	0/1297	0.88	10/1750 (0.6%)
2	kC	0.32	0/1297	0.64	1/1750 (0.1%)
2	kD	0.35	0/1297	0.65	3/1750 (0.2%)
2	kE	0.30	0/1297	0.50	0/1750
2	kH	0.32	0/1315	0.60	0/1774
2	l8	0.33	0/1315	0.64	2/1774 (0.1%)
2	lF	0.33	0/1315	0.64	2/1774 (0.1%)
2	m2	0.35	0/1297	0.68	2/1750 (0.1%)
2	m4	0.29	0/1315	0.59	1/1774 (0.1%)
2	m6	0.28	0/1297	0.46	0/1750
2	mB	0.28	0/1297	0.46	0/1750
2	mC	0.35	0/1297	0.68	2/1750 (0.1%)
2	mD	0.28	0/1297	0.56	0/1750
2	mE	0.28	0/1297	0.56	0/1750
2	mH	0.32	0/1315	0.60	0/1774
2	n8	0.35	0/1315	0.62	2/1774 (0.1%)
2	nF	0.34	0/1315	0.62	2/1774 (0.1%)
2	p8	0.31	0/1315	0.66	2/1774 (0.1%)
2	pF	0.31	0/1315	0.67	2/1774 (0.1%)
2	r8	0.32	0/1315	0.66	2/1774 (0.1%)
2	rF	0.32	0/1315	0.66	2/1774 (0.1%)
2	t8	0.34	0/1309	0.65	0/1766
2	tF	0.33	0/1309	0.65	0/1766
2	v8	0.34	0/1315	0.67	2/1774 (0.1%)
2	vF	0.33	0/1315	0.67	2/1774 (0.1%)
3	A1	0.34	0/1271	0.64	1/1721 (0.1%)
3	A7	0.36	0/1271	0.55	0/1721
3	A8	0.32	0/1271	0.60	1/1721 (0.1%)
3	A9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	AF	0.32	0/1271	0.60	1/1721 (0.1%)
3	AG	0.39	0/1271	0.60	0/1721
3	AI	0.33	0/1271	0.61	0/1721
3	AK	0.34	0/1271	0.64	1/1721 (0.1%)
3	B5	0.35	0/1271	0.60	0/1721
3	BJ	0.35	0/1271	0.60	0/1721
3	C1	0.34	0/1271	0.58	0/1721
3	C4	0.32	0/1271	0.54	1/1721 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	C7	0.33	0/1271	0.54	0/1721
3	C8	0.33	0/1271	0.71	3/1721 (0.2%)
3	C9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	CF	0.34	0/1271	0.71	3/1721 (0.2%)
3	CG	0.39	0/1271	0.60	0/1721
3	CH	0.38	0/1271	0.56	0/1721
3	CI	0.33	0/1271	0.61	0/1721
3	CK	0.33	0/1271	0.58	0/1721
3	D5	0.38	0/1271	0.63	0/1721
3	DJ	0.38	0/1271	0.63	0/1721
3	E1	0.33	0/1271	0.61	1/1721 (0.1%)
3	E4	0.29	0/1271	0.53	0/1721
3	E7	0.31	0/1271	0.53	0/1721
3	E8	0.38	0/1271	0.64	1/1721 (0.1%)
3	E9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	EF	0.38	0/1271	0.64	2/1721 (0.1%)
3	EG	0.39	0/1271	0.60	0/1721
3	EH	0.34	0/1271	0.53	0/1721
3	EI	0.33	0/1271	0.61	0/1721
3	EK	0.33	0/1271	0.61	2/1721 (0.1%)
3	F5	0.38	0/1271	0.60	0/1721
3	FJ	0.38	0/1271	0.60	0/1721
3	G1	0.34	0/1271	0.61	1/1721 (0.1%)
3	G4	0.29	0/1271	0.48	0/1721
3	G7	0.32	0/1271	0.52	0/1721
3	G8	0.50	0/1271	0.83	5/1721 (0.3%)
3	G9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	GF	0.50	0/1271	0.83	5/1721 (0.3%)
3	GG	0.39	0/1271	0.60	0/1721
3	GH	0.33	0/1271	0.55	0/1721
3	GI	0.33	0/1271	0.61	0/1721
3	GK	0.34	0/1271	0.61	1/1721 (0.1%)
3	H5	0.34	0/1271	0.60	0/1721
3	HJ	0.34	0/1271	0.60	0/1721
3	I1	0.33	0/1271	0.63	1/1721 (0.1%)
3	I4	0.31	0/1271	0.53	0/1721
3	I7	0.34	0/1271	0.54	0/1721
3	I8	0.48	0/1271	0.77	4/1721 (0.2%)
3	I9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	IF	0.49	0/1271	0.77	4/1721 (0.2%)
3	IG	0.39	0/1271	0.60	0/1721
3	IH	0.37	0/1271	0.54	0/1721
3	II	0.33	0/1271	0.61	0/1721

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	IK	0.32	0/1271	0.63	1/1721 (0.1%)
3	J5	0.34	0/1271	0.58	0/1721
3	JA	0.45	0/1271	0.60	0/1721
3	JJ	0.33	0/1271	0.58	0/1721
3	K1	0.35	0/1271	0.64	1/1721 (0.1%)
3	K4	0.34	0/1271	0.54	0/1721
3	K7	0.38	0/1267	0.55	0/1716
3	K8	0.38	0/1271	0.60	0/1721
3	K9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	KF	0.38	0/1271	0.60	0/1721
3	KG	0.39	0/1271	0.60	0/1721
3	KH	0.43	0/1271	0.59	0/1721
3	KI	0.33	0/1271	0.61	0/1721
3	KK	0.35	0/1271	0.64	1/1721 (0.1%)
3	L5	0.35	0/1271	0.59	0/1721
3	LJ	0.35	0/1271	0.59	0/1721
3	M1	0.36	0/1271	0.57	0/1721
3	M4	0.36	0/1271	0.56	0/1721
3	M7	0.36	0/1271	0.54	0/1721
3	M8	0.31	0/1271	0.61	0/1721
3	MF	0.31	0/1271	0.61	0/1721
3	MH	0.47	0/1271	0.60	0/1721
3	MK	0.36	0/1271	0.58	0/1721
3	N5	0.33	0/1271	0.60	1/1721 (0.1%)
3	N9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	NG	0.39	0/1271	0.60	0/1721
3	NI	0.33	0/1271	0.61	0/1721
3	NJ	0.33	0/1271	0.60	1/1721 (0.1%)
3	O1	0.48	0/1271	0.63	1/1721 (0.1%)
3	O2	0.33	0/1271	0.59	0/1721
3	O4	0.31	0/1271	0.52	1/1721 (0.1%)
3	O6	0.34	0/1271	0.47	0/1721
3	O7	0.33	0/1271	0.60	0/1721
3	O8	0.35	0/1271	0.60	0/1721
3	OB	0.34	0/1271	0.47	0/1721
3	OC	0.33	0/1271	0.59	0/1721
3	OD	0.37	0/1271	0.49	0/1721
3	OE	0.37	0/1271	0.49	0/1721
3	OF	0.35	0/1271	0.60	1/1721 (0.1%)
3	OH	0.34	0/1271	0.54	0/1721
3	OK	0.47	0/1271	0.63	1/1721 (0.1%)
3	P5	0.34	0/1271	0.63	0/1721
3	P9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	PG	0.39	0/1271	0.60	0/1721
3	PI	0.33	0/1271	0.61	0/1721
3	PJ	0.34	0/1271	0.63	0/1721
3	Q1	0.44	0/1271	0.60	0/1721
3	Q2	0.34	0/1271	0.60	2/1721 (0.1%)
3	Q4	0.29	0/1271	0.52	0/1721
3	Q6	0.39	0/1271	0.48	0/1721
3	Q7	0.32	0/1271	0.55	0/1721
3	Q8	0.36	0/1271	0.66	1/1721 (0.1%)
3	QB	0.39	0/1271	0.48	0/1721
3	QC	0.34	0/1271	0.61	2/1721 (0.1%)
3	QD	0.33	0/1271	0.50	0/1721
3	QE	0.33	0/1271	0.50	0/1721
3	QF	0.36	0/1271	0.66	1/1721 (0.1%)
3	QH	0.34	0/1271	0.54	0/1721
3	QK	0.44	0/1271	0.60	0/1721
3	R5	0.35	0/1271	0.63	1/1721 (0.1%)
3	R9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	RG	0.39	0/1271	0.60	0/1721
3	RI	0.33	0/1271	0.61	0/1721
3	RJ	0.35	0/1271	0.63	1/1721 (0.1%)
3	S1	0.46	0/1271	0.63	0/1721
3	S2	0.35	0/1271	0.65	2/1721 (0.1%)
3	S4	0.30	0/1271	0.50	0/1721
3	S6	0.36	0/1271	0.49	0/1721
3	S7	0.34	0/1271	0.55	0/1721
3	S8	0.40	0/1271	0.69	2/1721 (0.1%)
3	SB	0.36	0/1271	0.49	0/1721
3	SC	0.35	0/1271	0.64	2/1721 (0.1%)
3	SD	0.35	0/1271	0.49	0/1721
3	SE	0.34	0/1271	0.49	0/1721
3	SF	0.40	0/1271	0.67	2/1721 (0.1%)
3	SH	0.33	0/1271	0.53	0/1721
3	SK	0.45	0/1271	0.63	0/1721
3	T5	0.35	0/1271	0.62	0/1721
3	T9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	TA	0.44	0/1271	0.60	0/1721
3	TG	0.39	0/1271	0.60	0/1721
3	TI	0.33	0/1271	0.61	0/1721
3	TJ	0.35	0/1271	0.62	0/1721
3	U1	0.38	0/1271	0.58	0/1721
3	U2	0.33	0/1271	0.69	3/1721 (0.2%)
3	U4	0.32	0/1267	0.55	0/1717

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	U6	0.39	0/1271	0.48	0/1721
3	U7	0.36	0/1271	0.56	0/1721
3	U8	0.41	0/1271	0.68	2/1721 (0.1%)
3	UB	0.39	0/1271	0.48	0/1721
3	UC	0.33	0/1271	0.69	3/1721 (0.2%)
3	UD	0.32	0/1271	0.50	0/1721
3	UE	0.32	0/1271	0.50	0/1721
3	UF	0.41	0/1271	0.68	2/1721 (0.1%)
3	UH	0.40	0/1271	0.59	0/1721
3	UK	0.38	0/1271	0.58	0/1721
3	V5	0.34	0/1271	0.62	1/1721 (0.1%)
3	V9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	VG	0.39	0/1271	0.60	0/1721
3	VI	0.33	0/1271	0.61	0/1721
3	VJ	0.34	0/1271	0.62	1/1721 (0.1%)
3	W1	0.38	0/1271	0.56	0/1721
3	W2	0.33	0/1271	0.64	1/1721 (0.1%)
3	W4	0.34	0/1271	0.59	1/1721 (0.1%)
3	W6	0.37	0/1271	0.49	0/1721
3	W7	0.38	0/1271	0.59	0/1721
3	W8	0.35	0/1271	0.62	2/1721 (0.1%)
3	WB	0.37	0/1271	0.50	0/1721
3	WC	0.33	0/1271	0.64	2/1721 (0.1%)
3	WD	0.38	0/1271	0.50	0/1721
3	WE	0.38	0/1271	0.50	0/1721
3	WF	0.34	0/1271	0.62	2/1721 (0.1%)
3	WH	0.45	0/1271	0.59	0/1721
3	WK	0.38	0/1271	0.56	0/1721
3	X5	0.34	0/1271	0.65	1/1721 (0.1%)
3	X9	0.45	1/1271 (0.1%)	0.71	1/1721 (0.1%)
3	XG	0.39	0/1271	0.60	0/1721
3	XI	0.33	0/1271	0.61	0/1721
3	XJ	0.34	0/1271	0.65	1/1721 (0.1%)
3	Y4	0.34	0/1267	0.57	1/1717 (0.1%)
3	Y8	0.34	0/1271	0.57	0/1721
3	YF	0.34	0/1271	0.57	0/1721
3	YH	0.40	0/1271	0.58	0/1721
3	Z2	0.33	0/1271	0.59	0/1721
3	Z6	0.39	0/1271	0.48	0/1721
3	ZB	0.39	0/1271	0.48	0/1721
3	ZC	0.33	0/1271	0.59	0/1721
3	ZD	0.37	0/1271	0.53	0/1721
3	ZE	0.36	0/1271	0.50	0/1721

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	a4	0.29	0/1271	0.53	0/1721
3	a8	0.34	0/1271	0.62	0/1721
3	aF	0.34	0/1271	0.62	0/1721
3	aH	0.33	0/1271	0.56	0/1721
3	b2	0.32	0/1271	0.71	2/1721 (0.1%)
3	b6	0.30	0/1271	0.52	0/1721
3	bB	0.30	0/1271	0.52	0/1721
3	bC	0.32	0/1271	0.71	2/1721 (0.1%)
3	bD	0.52	0/1271	0.84	10/1721 (0.6%)
3	bE	0.31	0/1271	0.53	1/1721 (0.1%)
3	c8	0.33	0/1271	0.62	1/1721 (0.1%)
3	cF	0.33	0/1271	0.61	1/1721 (0.1%)
3	d2	0.34	0/1271	0.70	2/1721 (0.1%)
3	d4	0.30	0/1271	0.57	0/1721
3	d6	0.31	0/1271	0.52	0/1721
3	dB	0.31	0/1271	0.51	0/1721
3	dC	0.35	0/1271	0.70	2/1721 (0.1%)
3	dD	0.29	0/1271	0.50	0/1721
3	dE	0.29	0/1271	0.50	0/1721
3	dH	0.31	0/1271	0.59	0/1721
3	e8	0.34	0/1271	0.65	1/1721 (0.1%)
3	eF	0.34	0/1271	0.65	1/1721 (0.1%)
3	f2	0.34	0/1271	0.69	2/1721 (0.1%)
3	f4	0.28	0/1271	0.56	0/1721
3	f6	0.30	0/1271	0.53	0/1721
3	fB	0.29	0/1271	0.53	0/1721
3	fC	0.34	0/1271	0.69	2/1721 (0.1%)
3	fD	0.29	0/1271	0.51	0/1721
3	fE	0.28	0/1271	0.51	0/1721
3	fH	0.31	0/1271	0.56	0/1721
3	g8	0.31	0/1271	0.58	0/1721
3	gF	0.31	0/1271	0.59	0/1721
3	h2	0.32	0/1271	0.69	3/1721 (0.2%)
3	h4	0.27	0/1271	0.51	0/1721
3	h6	0.31	0/1271	0.49	0/1721
3	hB	0.32	0/1271	0.49	0/1721
3	hC	0.32	0/1271	0.69	3/1721 (0.2%)
3	hD	0.30	0/1271	0.51	0/1721
3	hE	0.30	0/1271	0.51	0/1721
3	hH	0.30	0/1271	0.54	0/1721
3	i8	0.35	0/1271	0.62	2/1721 (0.1%)
3	iF	0.35	0/1271	0.62	2/1721 (0.1%)
3	j2	0.35	0/1271	0.72	3/1721 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	j4	0.29	0/1271	0.52	0/1721
3	j6	0.31	0/1271	0.50	0/1721
3	jB	0.31	0/1271	0.50	0/1721
3	jC	0.35	0/1271	0.72	3/1721 (0.2%)
3	jD	0.29	0/1271	0.47	0/1721
3	jE	0.29	0/1271	0.47	0/1721
3	jH	0.30	0/1271	0.55	0/1721
3	k8	0.33	0/1271	0.63	0/1721
3	kF	0.33	0/1271	0.63	0/1721
3	l2	0.37	0/1271	0.76	7/1721 (0.4%)
3	l4	0.30	0/1271	0.59	0/1721
3	l6	0.34	0/1271	0.52	0/1721
3	lB	0.32	0/1271	0.48	0/1721
3	lC	0.37	0/1271	0.76	7/1721 (0.4%)
3	lD	0.70	1/1259 (0.1%)	1.27	23/1706 (1.3%)
3	lE	0.32	0/1271	0.55	0/1721
3	lH	0.35	0/1271	0.61	0/1721
3	m8	0.35	0/1271	0.65	0/1721
3	mF	0.35	0/1271	0.65	0/1721
3	o8	0.33	0/1271	0.64	0/1721
3	oF	0.33	0/1271	0.64	0/1721
3	q8	0.32	0/1271	0.65	1/1721 (0.1%)
3	qF	0.32	0/1271	0.65	1/1721 (0.1%)
3	s8	0.36	0/1271	0.60	2/1721 (0.1%)
3	sF	0.36	0/1271	0.60	2/1721 (0.1%)
3	u8	0.33	0/1271	0.62	1/1721 (0.1%)
3	uF	0.33	0/1271	0.62	1/1721 (0.1%)
4	KA	0.55	2/1754 (0.1%)	0.88	7/2373 (0.3%)
4	UA	0.49	1/1763 (0.1%)	0.87	8/2386 (0.3%)
5	WA	0.62	0/1105	1.04	4/1499 (0.3%)
5	cA	0.57	0/1111	0.94	5/1508 (0.3%)
6	A2	0.35	0/2025	0.59	0/2722
6	A5	0.36	0/2017	0.60	0/2711
6	A6	0.30	0/2025	0.49	0/2722
6	AB	0.30	0/2025	0.49	0/2722
6	AC	0.36	0/2025	0.59	0/2722
6	AD	0.30	0/2025	0.50	0/2722
6	AE	0.30	0/2025	0.50	0/2722
6	AJ	0.36	0/2017	0.59	0/2711
6	Y1	0.35	0/1866	0.58	0/2506
6	YK	0.35	0/1866	0.58	0/2506
7	B2	0.40	0/1917	0.64	0/2592
7	B6	0.55	0/1933	0.72	0/2614

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
7	BB	0.55	0/1933	0.75	3/2614 (0.1%)
7	BC	0.40	0/1917	0.64	0/2592
7	BD	0.54	0/1938	0.74	6/2621 (0.2%)
7	BE	0.54	0/1939	0.73	4/2622 (0.2%)
8	C2	0.32	0/1251	0.59	0/1699
8	C6	0.43	0/1251	0.52	1/1699 (0.1%)
8	CB	0.43	0/1251	0.52	1/1699 (0.1%)
8	CC	0.32	0/1251	0.59	0/1699
8	CD	0.37	0/1251	0.48	0/1699
8	CE	0.37	0/1251	0.48	0/1699
8	E2	0.41	0/1251	0.59	0/1699
8	E6	0.42	0/1251	0.51	0/1699
8	EB	0.42	0/1251	0.49	0/1699
8	EC	0.41	0/1251	0.59	0/1699
8	ED	0.43	0/1251	0.50	0/1699
8	EE	0.43	0/1251	0.50	0/1699
8	G2	0.34	0/1251	0.61	1/1699 (0.1%)
8	G6	0.40	0/1251	0.48	0/1699
8	GB	0.40	0/1251	0.48	0/1699
8	GC	0.32	0/1251	0.58	1/1699 (0.1%)
8	GD	0.51	0/1251	0.52	0/1699
8	GE	0.52	0/1251	0.52	0/1699
8	I2	0.42	0/1251	0.59	0/1699
8	I6	0.41	0/1251	0.48	0/1699
8	IB	0.41	0/1251	0.48	0/1699
8	IC	0.42	0/1251	0.59	0/1699
8	ID	0.50	0/1251	0.52	0/1699
8	IE	0.50	0/1251	0.52	0/1699
8	K2	0.36	0/1251	0.56	1/1699 (0.1%)
8	K6	0.45	0/1251	0.49	0/1699
8	KB	0.46	0/1251	0.49	0/1699
8	KC	0.36	0/1251	0.56	1/1699 (0.1%)
8	KD	0.42	0/1251	0.53	1/1699 (0.1%)
8	KE	0.40	0/1251	0.46	0/1699
8	M2	0.32	0/1251	0.55	1/1699 (0.1%)
8	M6	0.41	0/1251	0.49	0/1699
8	MB	0.41	0/1251	0.49	0/1699
8	MC	0.32	0/1251	0.55	1/1699 (0.1%)
8	MD	0.48	0/1251	0.50	0/1699
8	ME	0.48	0/1251	0.50	0/1699
9	D2	0.32	0/1274	0.61	0/1723
9	D6	0.39	0/1274	0.52	0/1723
9	DB	0.39	0/1274	0.52	0/1723

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
9	DC	0.32	0/1274	0.61	0/1723
9	DD	0.42	0/1274	0.50	0/1723
9	DE	0.42	0/1274	0.50	0/1723
9	F2	0.32	0/1274	0.52	0/1723
9	F6	0.41	0/1274	0.51	0/1723
9	FB	0.41	0/1274	0.51	0/1723
9	FC	0.32	0/1274	0.52	0/1723
9	FD	0.38	0/1274	0.49	0/1723
9	FE	0.38	0/1274	0.49	0/1723
9	H2	0.40	0/1274	0.69	0/1723
9	H6	0.40	0/1274	0.55	1/1723 (0.1%)
9	HB	0.40	0/1274	0.55	1/1723 (0.1%)
9	HC	0.45	0/1270	0.81	4/1718 (0.2%)
9	HD	0.44	0/1274	0.52	0/1723
9	HE	0.44	0/1274	0.52	0/1723
9	J2	0.43	0/1270	0.72	3/1718 (0.2%)
9	J6	0.41	0/1274	0.54	0/1723
9	JB	0.41	0/1274	0.54	0/1723
9	JC	0.40	0/1274	0.72	2/1723 (0.1%)
9	JD	0.59	0/1274	0.61	2/1723 (0.1%)
9	JE	0.59	0/1274	0.66	3/1723 (0.2%)
9	L2	0.46	0/1274	0.67	1/1723 (0.1%)
9	L6	1.00	10/1274 (0.8%)	0.98	13/1723 (0.8%)
9	LB	0.44	0/1274	0.57	0/1723
9	LC	0.46	0/1274	0.67	1/1723 (0.1%)
9	LD	0.47	0/1274	0.53	0/1723
9	LE	0.47	0/1274	0.53	0/1723
9	N2	0.32	0/1274	0.62	3/1723 (0.2%)
9	N6	0.47	0/1274	0.63	3/1723 (0.2%)
9	NB	0.48	0/1274	0.65	3/1723 (0.2%)
9	NC	0.32	0/1274	0.62	3/1723 (0.2%)
9	ND	0.49	0/1274	0.65	1/1723 (0.1%)
9	NE	0.44	0/1274	0.52	0/1723
10	X2	0.37	0/2585	0.67	3/3492 (0.1%)
10	X6	0.43	0/2585	0.58	1/3492 (0.0%)
10	XB	0.43	0/2585	0.58	1/3492 (0.0%)
10	XC	0.38	0/2585	0.67	3/3492 (0.1%)
10	XD	0.44	0/2585	0.59	0/3492
10	XE	0.44	0/2585	0.59	0/3492
11	MG	0.53	0/2124	0.89	7/2866 (0.2%)
11	ZG	0.53	0/2130	0.86	6/2874 (0.2%)
12	A4	0.31	0/1843	0.56	2/2469 (0.1%)
12	AH	0.34	0/1843	0.62	4/2469 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
12	w8	0.34	0/1843	0.56	0/2469
12	wF	0.33	0/1843	0.55	0/2469
12	x8	0.33	0/1843	0.57	0/2469
12	xF	0.33	0/1843	0.57	0/2469
13	B4	0.30	0/1932	0.51	0/2590
13	BH	0.36	0/1932	0.55	0/2590
13	y8	0.36	0/1932	0.56	0/2590
13	yF	0.36	0/1932	0.56	0/2590
14	M9	0.51	1/1882 (0.1%)	0.79	3/2518 (0.1%)
14	MI	0.47	0/2182	0.92	10/2930 (0.3%)
14	Z9	0.60	2/1878 (0.1%)	0.96	11/2514 (0.4%)
14	ZI	0.47	0/2188	0.98	12/2937 (0.4%)
15	e1	0.47	0/1973	0.66	0/2657
15	eK	0.47	0/1973	0.66	0/2657
16	23	0.38	0/1027	0.65	1/1399 (0.1%)
16	Z3	0.41	0/1027	0.61	0/1399
17	33	0.45	0/1940	0.63	2/2637 (0.1%)
17	a3	0.45	0/1940	0.65	2/2637 (0.1%)
18	43	0.43	0/1569	0.65	2/2147 (0.1%)
18	b3	0.43	0/1569	0.67	3/2147 (0.1%)
19	A3	0.38	0/1241	0.47	0/1676
19	C3	0.38	0/1241	0.47	0/1676
19	E3	0.38	0/1241	0.47	0/1676
19	G3	0.38	0/1241	0.47	0/1676
19	J3	0.38	0/1241	0.47	0/1676
19	K3	0.38	0/1241	0.47	0/1676
19	N3	0.38	0/1241	0.47	0/1676
19	P3	0.39	0/1241	0.52	1/1676 (0.1%)
19	R3	0.38	0/1241	0.47	0/1676
19	T3	0.38	0/1241	0.47	0/1676
19	c3	0.38	0/1241	0.47	0/1676
19	e3	0.38	0/1241	0.47	0/1676
19	g3	0.38	0/1241	0.47	0/1676
19	i3	0.38	0/1241	0.47	0/1676
19	l3	0.38	0/1241	0.47	0/1676
19	m3	0.39	0/1241	0.49	0/1676
19	p3	0.38	0/1241	0.47	0/1676
19	r3	0.52	1/1241 (0.1%)	0.73	3/1676 (0.2%)
19	t3	0.38	0/1241	0.47	0/1676
19	v3	0.42	0/1233	0.54	0/1666
20	B3	0.41	0/1226	0.47	0/1655
20	D3	0.40	0/1226	0.46	0/1655
20	F3	0.40	0/1226	0.46	0/1655

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
20	H3	0.40	0/1226	0.46	0/1655
20	I3	0.40	0/1226	0.46	0/1655
20	L3	0.69	4/1226 (0.3%)	0.74	4/1655 (0.2%)
20	M3	0.40	0/1222	0.48	0/1651
20	O3	0.56	2/1226 (0.2%)	0.69	4/1655 (0.2%)
20	Q3	0.45	0/1226	0.57	1/1655 (0.1%)
20	S3	0.40	0/1226	0.46	0/1655
20	U3	0.40	0/1226	0.46	0/1655
20	d3	0.40	0/1226	0.46	0/1655
20	f3	0.40	0/1226	0.46	0/1655
20	h3	0.40	0/1226	0.46	0/1655
20	j3	0.40	0/1226	0.46	0/1655
20	k3	0.40	0/1226	0.46	0/1655
20	n3	0.77	5/1226 (0.4%)	0.75	4/1655 (0.2%)
20	o3	0.40	0/1222	0.46	0/1651
20	q3	0.41	0/1226	0.48	0/1655
20	s3	0.43	0/1226	0.53	1/1655 (0.1%)
20	u3	0.40	0/1226	0.46	0/1655
20	w3	0.40	0/1226	0.46	0/1655
21	V3	0.39	0/1281	0.54	0/1731
21	x3	0.39	0/1281	0.54	0/1731
22	W3	0.40	0/1396	0.57	2/1886 (0.1%)
22	y3	0.40	0/1396	0.57	2/1886 (0.1%)
23	X3	0.47	0/732	0.61	0/981
23	z3	0.47	0/732	0.61	0/981
24	63	0.42	1/7070 (0.0%)	0.55	5/9547 (0.1%)
24	73	0.42	1/7047 (0.0%)	0.54	1/9517 (0.0%)
25	b4	0.35	0/3148	0.59	1/4261 (0.0%)
25	bH	0.45	1/3151 (0.0%)	0.65	1/4267 (0.0%)
26	d5	0.42	0/2242	0.65	0/3026
26	dJ	0.42	0/2242	0.64	0/3026
27	Y7	0.46	0/2892	0.82	6/3929 (0.2%)
27	b7	0.44	0/2888	0.80	6/3925 (0.2%)
28	z8	0.52	1/3698 (0.0%)	0.86	10/4991 (0.2%)
28	zF	1.20	41/3684 (1.1%)	1.26	59/4969 (1.2%)
29	fA	0.52	0/2233	0.72	3/3024 (0.1%)
29	hA	0.45	0/2229	0.66	2/3020 (0.1%)
30	53	1.98	12/375 (3.2%)	2.23	23/503 (4.6%)
30	Y3	2.13	18/422 (4.3%)	2.92	42/567 (7.4%)
All	All	0.39	128/972985 (0.0%)	0.62	805/1314909 (0.1%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected

by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
1	AA	0	8
1	EA	0	3
2	D8	0	1
2	F9	0	1
2	FA	0	1
2	HA	0	1
2	I5	0	1
2	IA	0	1
2	IJ	0	1
2	J7	0	1
2	O5	0	1
2	O9	0	1
2	OJ	0	1
2	PA	0	1
2	QA	0	1
2	RA	0	1
2	SI	0	1
2	T8	0	1
2	TF	0	1
2	U5	0	1
2	UJ	0	1
2	V2	0	2
2	VC	0	1
2	XA	0	1
2	aA	0	1
2	dA	0	1
2	kB	0	1
2	m2	0	1
2	mC	0	1
2	n8	0	1
2	nF	0	1
3	A9	0	2
3	AI	0	1
3	C9	0	2
3	CI	0	1
3	E8	0	1
3	E9	0	2
3	EF	0	1
3	EI	0	1
3	G9	0	2
3	GI	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
3	I1	0	1
3	I9	0	2
3	II	0	1
3	IK	0	1
3	K9	0	2
3	KI	0	1
3	M1	0	1
3	MK	0	1
3	N9	0	2
3	NI	0	1
3	P9	0	2
3	PI	0	1
3	R9	0	2
3	RI	0	1
3	T9	0	2
3	TI	0	1
3	V9	0	2
3	VI	0	1
3	X5	0	1
3	X9	0	2
3	XI	0	1
3	XJ	0	1
3	c8	0	1
3	cF	0	1
3	f2	0	2
3	fC	0	2
3	lD	0	4
3	m8	0	2
3	mF	0	2
4	KA	0	1
4	UA	0	1
5	WA	0	3
5	cA	0	2
7	B2	0	1
7	B6	0	2
7	BB	0	1
7	BC	0	1
7	BD	0	1
7	BE	0	4
9	D6	0	2
9	DB	0	2
9	H2	0	2

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Mol	Chain	#Chirality outliers	#Planarity outliers
9	H6	0	1
9	HB	0	1
9	HC	0	2
9	J6	0	1
9	JB	0	1
9	JE	0	1
9	L6	0	3
9	LB	0	1
9	LD	0	1
9	LE	0	1
9	NE	0	1
11	MG	0	9
11	ZG	0	10
14	M9	0	3
14	MI	0	5
14	Z9	0	4
14	ZI	0	6
16	23	0	2
16	Z3	0	2
17	33	0	1
17	a3	0	2
19	r3	0	1
20	B3	0	1
20	D3	0	1
20	F3	0	1
20	H3	0	1
20	I3	0	1
20	L3	0	3
20	M3	0	1
20	O3	0	1
20	Q3	0	1
20	S3	0	1
20	U3	0	1
20	d3	0	1
20	f3	0	1
20	h3	0	1
20	j3	0	1
20	k3	0	1
20	n3	0	3
20	o3	0	1
20	s3	0	2
20	u3	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
20	w3	0	1
24	63	0	5
24	73	0	5
25	b4	0	1
25	bH	0	4
27	Y7	0	2
27	b7	0	3
28	z8	0	5
28	zF	0	15
30	53	0	3
30	Y3	0	3
All	All	0	253

All (128) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
28	zF	379	GLU	CD-OE1	-13.45	1.10	1.25
28	zF	381	VAL	C-O	-12.43	0.99	1.23
28	zF	376	PHE	C-O	-12.37	0.99	1.23
9	L6	98	ILE	C-O	-12.00	1.00	1.23
28	zF	365	ARG	C-O	-11.61	1.01	1.23
28	zF	375	GLU	C-O	-11.55	1.01	1.23
28	zF	343	GLN	C-O	-11.40	1.01	1.23
28	zF	368	ALA	C-O	-11.25	1.01	1.23
9	L6	103	SER	CA-CB	-11.16	1.36	1.52
9	L6	101	ASP	C-O	-11.12	1.02	1.23
28	zF	337	PRO	C-O	-10.92	1.01	1.23
28	zF	363	ARG	C-O	-10.72	1.02	1.23
9	L6	97	MET	C-O	-10.52	1.03	1.23
20	n3	60	LEU	C-O	-10.41	1.03	1.23
28	zF	379	GLU	CD-OE2	-10.15	1.14	1.25
28	zF	369	ALA	C-O	-9.51	1.05	1.23
28	zF	346	GLY	C-O	-9.49	1.08	1.23
1	AA	422	MET	C-O	-9.48	1.05	1.23
28	zF	378	LEU	C-O	-9.47	1.05	1.23
1	AA	415	PRO	N-CD	-9.38	1.34	1.47
28	zF	364	SER	C-O	-9.30	1.05	1.23
30	53	52	LYS	C-O	-9.22	1.05	1.23
28	zF	377	GLN	C-O	-9.20	1.05	1.23
30	Y3	56	LYS	C-O	-9.20	1.05	1.23
30	53	50	MET	C-O	-9.20	1.05	1.23
20	n3	59	SER	CA-CB	-9.19	1.39	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
30	Y3	54	MET	C-O	-9.15	1.05	1.23
30	53	51	ALA	C-O	-9.13	1.05	1.23
30	Y3	55	ALA	C-O	-9.11	1.06	1.23
30	53	34	PHE	C-O	-8.76	1.06	1.23
30	Y3	38	PHE	C-O	-8.76	1.06	1.23
28	zF	337	PRO	N-CA	-8.73	1.32	1.47
28	zF	361	ARG	C-O	-8.72	1.06	1.23
28	zF	360	VAL	C-O	-8.57	1.07	1.23
28	zF	380	ARG	C-O	-8.52	1.07	1.23
1	AA	420	ARG	C-O	-8.48	1.07	1.23
19	r3	53	GLN	C-O	-8.40	1.07	1.23
20	n3	59	SER	C-O	-8.31	1.07	1.23
28	zF	344	PHE	C-O	-8.28	1.07	1.23
20	L3	61	LEU	C-O	-8.27	1.07	1.23
30	53	41	GLY	C-O	-8.18	1.10	1.23
30	Y3	45	GLY	C-O	-8.18	1.10	1.23
30	53	35	PRO	C-O	-8.15	1.06	1.23
30	Y3	39	PRO	C-O	-8.15	1.06	1.23
28	zF	375	GLU	CD-OE1	-8.13	1.16	1.25
28	zF	375	GLU	CD-OE2	-8.12	1.16	1.25
9	L6	97	MET	CG-SD	-8.10	1.60	1.81
28	zF	335	LYS	C-O	-7.89	1.08	1.23
30	53	35	PRO	N-CD	-7.89	1.36	1.47
30	Y3	39	PRO	N-CD	-7.87	1.36	1.47
28	zF	336	ASN	C-O	-7.73	1.08	1.23
28	zF	367	VAL	C-O	-7.70	1.08	1.23
9	L6	102	SER	CA-CB	-7.55	1.41	1.52
30	Y3	43	MET	C-O	-7.52	1.09	1.23
28	zF	374	LYS	C-O	-7.47	1.09	1.23
28	zF	339	VAL	C-O	-7.42	1.09	1.23
28	zF	372	GLY	C-O	-7.38	1.11	1.23
1	AA	370	SER	CA-CB	-7.35	1.42	1.52
20	O3	70	GLY	C-O	-7.34	1.11	1.23
28	zF	337	PRO	N-CD	-7.25	1.37	1.47
30	53	50	MET	CG-SD	-7.24	1.62	1.81
30	Y3	54	MET	CG-SD	-7.24	1.62	1.81
1	AA	371	SER	C-O	-7.18	1.09	1.23
28	zF	341	ALA	C-O	-7.18	1.09	1.23
28	zF	342	GLY	C-O	-7.10	1.12	1.23
28	zF	379	GLU	C-O	-7.10	1.09	1.23
1	AA	371	SER	CA-CB	-7.04	1.42	1.52
28	zF	334	GLY	C-O	-7.03	1.12	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	L3	63	SER	CA-CB	-7.02	1.42	1.52
9	L6	103	SER	C-O	-6.92	1.10	1.23
20	n3	59	SER	CB-OG	-6.91	1.33	1.42
20	O3	72	MET	CG-SD	-6.88	1.63	1.81
9	L6	99	ALA	C-O	-6.79	1.10	1.23
30	53	47	PHE	C-O	-6.74	1.10	1.23
30	Y3	51	PHE	C-O	-6.74	1.10	1.23
28	z8	295	LYS	C-O	-6.71	1.10	1.23
30	Y3	53	ASP	C-O	-6.48	1.11	1.23
28	zF	347	VAL	C-O	-6.47	1.11	1.23
1	AA	415	PRO	N-CA	-6.46	1.36	1.47
30	53	49	ASP	C-O	-6.46	1.11	1.23
28	zF	364	SER	CA-CB	-6.42	1.43	1.52
30	Y3	44	PRO	N-CD	-6.37	1.39	1.47
28	zF	340	PHE	C-O	-6.36	1.11	1.23
28	zF	338	GLN	C-O	-6.36	1.11	1.23
3	ID	74	GLU	CD-OE2	-6.27	1.18	1.25
30	Y3	52	LEU	C-O	-6.26	1.11	1.23
30	53	48	LEU	C-O	-6.25	1.11	1.23
20	n3	63	SER	CA-CB	-6.21	1.43	1.52
30	53	33	ALA	C-O	-6.14	1.11	1.23
30	Y3	37	ALA	C-O	-6.11	1.11	1.23
28	zF	366	ARG	NE-CZ	-6.10	1.25	1.33
14	Z9	81	GLY	C-O	-6.05	1.14	1.23
28	zF	345	LEU	C-O	-6.05	1.11	1.23
9	L6	104	VAL	C-O	-5.84	1.12	1.23
20	L3	62	TYR	C-O	-5.83	1.12	1.23
25	bH	298	LYS	C-O	-5.70	1.12	1.23
2	B9	9	VAL	CB-CG1	-5.66	1.41	1.52
4	KA	164	VAL	C-O	-5.65	1.12	1.23
28	zF	344	PHE	CB-CG	-5.64	1.41	1.51
1	AA	423	ASP	CG-OD2	-5.57	1.12	1.25
24	63	334	VAL	CB-CG2	-5.54	1.41	1.52
30	Y3	44	PRO	C-O	-5.52	1.12	1.23
3	V9	115	GLU	CB-CG	5.50	1.62	1.52
3	I9	115	GLU	CB-CG	5.49	1.62	1.52
3	R9	115	GLU	CB-CG	5.49	1.62	1.52
3	E9	115	GLU	CB-CG	5.49	1.62	1.52
3	K9	115	GLU	CB-CG	5.49	1.62	1.52
3	T9	115	GLU	CB-CG	5.49	1.62	1.52
3	C9	115	GLU	CB-CG	5.48	1.62	1.52
2	D9	9	VAL	CB-CG1	-5.46	1.41	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	N9	115	GLU	CB-CG	5.46	1.62	1.52
3	X9	115	GLU	CB-CG	5.45	1.62	1.52
3	A9	115	GLU	CB-CG	5.45	1.62	1.52
3	G9	115	GLU	CB-CG	5.43	1.62	1.52
3	P9	115	GLU	CB-CG	5.43	1.62	1.52
24	73	420	PHE	CB-CG	-5.40	1.42	1.51
20	L3	60	LEU	C-N	-5.32	1.21	1.34
30	Y3	42	ARG	C-O	-5.27	1.13	1.23
30	Y3	20	SER	C-O	-5.24	1.13	1.23
14	M9	264	ARG	CZ-NH2	-5.22	1.26	1.33
14	Z9	264	ARG	CZ-NH2	-5.21	1.26	1.33
2	SG	104	VAL	CB-CG1	-5.17	1.42	1.52
30	Y3	14	SER	CA-CB	-5.13	1.45	1.52
4	UA	42	ARG	C-O	-5.12	1.13	1.23
4	KA	160	ALA	C-O	-5.10	1.13	1.23
1	AA	416	ASP	C-O	-5.10	1.13	1.23
9	L6	101	ASP	CG-OD2	-5.09	1.13	1.25
28	zF	375	GLU	CB-CG	-5.02	1.42	1.52

All (805) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	AA	415	PRO	N-CA-CB	-23.50	75.11	103.30
2	LA	77	ARG	CB-CA-C	-21.34	67.73	110.40
28	z8	482	LYS	C-N-CD	-20.85	74.74	120.60
30	Y3	42	ARG	CG-CD-NE	-18.89	72.12	111.80
3	GF	78	LYS	CD-CE-NZ	18.16	153.47	111.70
3	G8	78	LYS	CD-CE-NZ	18.16	153.47	111.70
3	ID	85	ASP	C-N-CA	-16.45	80.59	121.70
30	Y3	44	PRO	N-CA-CB	-15.82	84.32	103.30
2	kB	145	THR	O-C-N	13.82	144.81	122.70
28	zF	482	LYS	C-N-CD	-13.35	91.22	120.60
3	ID	64	ALA	O-C-N	13.35	144.06	122.70
28	zF	296	ALA	C-N-CA	-13.16	88.80	121.70
28	zF	363	ARG	CB-CA-C	-13.11	84.19	110.40
30	Y3	33	ALA	C-N-CA	-13.09	88.97	121.70
14	ZI	52	LEU	CB-CA-C	-12.18	87.07	110.20
28	z8	418	PRO	N-CA-CB	-12.07	88.81	103.30
2	IA	13	ASP	CB-CG-OD1	11.91	129.02	118.30
30	Y3	42	ARG	CB-CA-C	-11.90	86.59	110.40
19	r3	53	GLN	C-N-CA	-11.79	97.54	122.30
28	zF	365	ARG	CB-CA-C	-11.69	87.02	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	ZI	52	LEU	N-CA-CB	-11.49	87.42	110.40
30	Y3	53	ASP	CB-CA-C	-11.44	87.52	110.40
30	Y3	43	MET	N-CA-CB	-11.44	90.02	110.60
30	53	49	ASP	CB-CA-C	-11.44	87.53	110.40
3	bD	63	TYR	CB-CA-C	-11.08	88.24	110.40
28	zF	368	ALA	N-CA-CB	11.03	125.54	110.10
2	DI	33	ASP	CB-CG-OD1	10.98	128.18	118.30
2	kB	145	THR	CA-C-N	-10.88	93.26	117.20
2	WI	83	LEU	CB-CG-CD2	-10.79	92.66	111.00
2	OA	33	ASP	CB-CG-OD1	10.73	127.96	118.30
2	WG	77	ARG	NE-CZ-NH1	-10.57	115.01	120.30
3	fC	137	ARG	NE-CZ-NH2	-10.56	115.02	120.30
3	f2	137	ARG	NE-CZ-NH2	-10.53	115.04	120.30
1	AA	415	PRO	N-CD-CG	-10.52	87.42	103.20
4	UA	42	ARG	CB-CG-CD	-10.51	84.28	111.60
3	ID	62	LYS	C-N-CA	-10.50	95.44	121.70
1	AA	342	ASP	CB-CG-OD1	10.42	127.67	118.30
3	CF	78	LYS	CD-CE-NZ	10.40	135.62	111.70
3	C8	78	LYS	CD-CE-NZ	10.39	135.59	111.70
14	Z9	76	ARG	O-C-N	10.35	139.26	122.70
9	L6	104	VAL	C-N-CA	-10.31	95.92	121.70
3	I8	84	ARG	NE-CZ-NH1	10.30	125.45	120.30
3	b2	137	ARG	NE-CZ-NH2	-10.28	115.16	120.30
4	KA	161	SER	N-CA-CB	10.26	125.89	110.50
5	WA	299	LYS	C-N-CA	-10.22	96.16	121.70
3	ID	64	ALA	C-N-CA	10.20	147.21	121.70
28	zF	363	ARG	CB-CG-CD	-10.19	85.10	111.60
28	zF	370	ASP	CB-CA-C	-10.19	90.01	110.40
28	zF	376	PHE	CB-CA-C	-10.18	90.04	110.40
3	jC	137	ARG	NE-CZ-NH2	-10.14	115.23	120.30
3	IF	84	ARG	NE-CZ-NH1	10.13	125.37	120.30
3	bC	137	ARG	NE-CZ-NH2	-10.11	115.24	120.30
3	j2	137	ARG	NE-CZ-NH2	-10.10	115.25	120.30
28	zF	341	ALA	C-N-CA	-10.07	101.16	122.30
2	F7	39	ASP	CB-CG-OD1	9.94	127.25	118.30
3	QF	78	LYS	CD-CE-NZ	9.94	134.56	111.70
3	I8	84	ARG	NE-CZ-NH2	-9.91	115.34	120.30
3	Q8	78	LYS	CD-CE-NZ	9.88	134.43	111.70
28	zF	377	GLN	CB-CG-CD	-9.87	85.94	111.60
14	MI	113	GLU	CA-CB-CG	9.86	135.10	113.40
14	ZI	113	GLU	CA-CB-CG	9.86	135.10	113.40
30	53	34	PHE	CB-CA-C	-9.86	90.68	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
30	Y3	38	PHE	CB-CA-C	-9.85	90.70	110.40
2	BG	77	ARG	NE-CZ-NH1	-9.84	115.38	120.30
9	L6	100	GLY	C-N-CA	-9.80	97.21	121.70
28	zF	366	ARG	CG-CD-NE	-9.76	91.30	111.80
3	IF	84	ARG	NE-CZ-NH2	-9.74	115.43	120.30
3	bD	68	ASN	CB-CA-C	-9.74	90.92	110.40
2	kD	128	ILE	C-N-CA	-9.71	97.42	121.70
29	fA	171	LYS	CB-CA-C	-9.70	91.00	110.40
2	L7	39	ASP	CB-CG-OD1	9.67	127.00	118.30
28	zF	363	ARG	CG-CD-NE	-9.65	91.54	111.80
2	SG	77	ARG	NE-CZ-NH1	-9.63	115.48	120.30
2	X7	39	ASP	CB-CG-OD1	9.57	126.91	118.30
9	JC	20	SER	C-N-CA	-9.51	97.92	121.70
7	BD	222	LEU	C-N-CA	9.49	145.43	121.70
3	ID	64	ALA	CA-C-N	-9.39	96.53	117.20
14	ZI	52	LEU	CA-C-N	-9.38	97.44	116.20
28	zF	345	LEU	N-CA-CB	-9.34	91.72	110.40
30	Y3	43	MET	CB-CA-C	-9.33	91.74	110.40
30	Y3	41	ARG	O-C-N	9.32	137.62	122.70
30	53	35	PRO	N-CD-CG	-9.29	89.26	103.20
5	WA	278	PHE	O-C-N	-9.29	103.45	121.10
30	Y3	39	PRO	N-CD-CG	-9.28	89.28	103.20
2	OG	77	ARG	NE-CZ-NH1	-9.26	115.67	120.30
2	SA	13	ASP	CB-CG-OD1	9.26	126.63	118.30
28	zF	380	ARG	CG-CD-NE	-9.25	92.37	111.80
2	VA	149	ARG	CB-CA-C	-9.24	91.91	110.40
28	z8	483	PRO	CA-N-CD	-9.22	98.59	111.50
28	zF	463	PRO	CA-N-CD	-9.19	98.63	111.50
30	53	35	PRO	N-CA-CB	-9.17	92.29	103.30
19	r3	51	VAL	C-N-CA	-9.16	98.80	121.70
20	O3	72	MET	C-N-CA	-9.15	98.83	121.70
30	Y3	39	PRO	N-CA-CB	-9.15	92.32	103.30
2	kB	145	THR	C-N-CA	9.13	144.52	121.70
14	MI	33	PRO	CA-C-N	-9.08	97.22	117.20
30	Y3	39	PRO	CB-CA-C	-9.08	89.30	112.00
30	53	35	PRO	CB-CA-C	-9.07	89.33	112.00
1	AA	420	ARG	CB-CA-C	-9.06	92.28	110.40
14	Z9	82	ARG	CB-CA-C	-9.06	92.28	110.40
25	bH	298	LYS	CB-CA-C	-9.05	92.31	110.40
2	H7	39	ASP	CB-CG-OD1	9.04	126.44	118.30
28	zF	488	PRO	CA-N-CD	-9.02	98.87	111.50
28	zF	471	PRO	CA-N-CD	-8.99	98.92	111.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
9	HC	13	ASP	CB-CA-C	-8.98	92.43	110.40
30	Y3	42	ARG	C-N-CA	8.94	144.04	121.70
7	BD	222	LEU	O-C-N	8.93	136.98	122.70
3	S8	84	ARG	NE-CZ-NH1	8.92	124.76	120.30
20	O3	72	MET	N-CA-C	-8.91	86.93	111.00
3	SF	84	ARG	NE-CZ-NH1	8.91	124.75	120.30
9	L6	99	ALA	N-CA-CB	-8.84	97.72	110.10
12	A4	156	PRO	CA-N-CD	-8.82	99.16	111.50
7	BD	222	LEU	CA-C-N	-8.75	97.95	117.20
12	AH	156	PRO	CA-N-CD	-8.72	99.29	111.50
2	W9	91	ARG	NE-CZ-NH2	-8.71	115.95	120.30
2	N7	39	ASP	CB-CG-OD1	8.68	126.11	118.30
28	zF	483	PRO	CA-N-CD	-8.68	99.35	111.50
3	SF	84	ARG	NE-CZ-NH2	-8.67	115.96	120.30
30	53	49	ASP	C-N-CA	-8.67	100.03	121.70
30	Y3	53	ASP	C-N-CA	-8.65	100.07	121.70
2	R7	54	ASP	CB-CG-OD1	8.64	126.07	118.30
14	Z9	76	ARG	CA-C-N	-8.63	98.20	117.20
30	Y3	42	ARG	CB-CG-CD	8.63	134.05	111.60
2	P7	39	ASP	CB-CG-OD1	8.63	126.07	118.30
28	zF	382	LYS	C-N-CA	-8.62	100.14	121.70
7	BE	208	PRO	N-CA-CB	-8.61	92.97	103.30
3	j2	137	ARG	NE-CZ-NH1	8.60	124.60	120.30
3	jC	137	ARG	NE-CZ-NH1	8.60	124.60	120.30
28	z8	463	PRO	CA-N-CD	-8.57	99.50	111.50
9	L6	96	ALA	CA-C-N	-8.56	98.37	117.20
28	zF	373	VAL	CA-C-N	-8.54	98.42	117.20
3	S8	84	ARG	NE-CZ-NH2	-8.52	116.04	120.30
2	BG	77	ARG	NE-CZ-NH2	8.48	124.54	120.30
2	FG	77	ARG	NE-CZ-NH1	-8.45	116.07	120.30
2	V7	39	ASP	CB-CG-OD1	8.45	125.91	118.30
24	63	99	ASP	CB-CG-OD1	8.45	125.90	118.30
14	MI	42	PRO	CA-N-CD	-8.43	99.70	111.50
14	ZI	42	PRO	CA-N-CD	-8.39	99.75	111.50
28	zF	380	ARG	CB-CG-CD	-8.36	89.87	111.60
3	b2	137	ARG	NE-CZ-NH1	8.34	124.47	120.30
7	BB	206	PHE	CB-CA-C	8.34	127.07	110.40
11	MG	309	PRO	CA-N-CD	-8.34	99.83	111.50
3	h2	137	ARG	NE-CZ-NH2	-8.30	116.15	120.30
2	WG	77	ARG	NE-CZ-NH2	8.27	124.43	120.30
3	UC	137	ARG	NE-CZ-NH2	-8.26	116.17	120.30
3	hC	137	ARG	NE-CZ-NH2	-8.23	116.19	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	R7	39	ASP	CB-CG-OD1	8.23	125.70	118.30
3	bC	137	ARG	NE-CZ-NH1	8.21	124.41	120.30
28	zF	337	PRO	N-CA-CB	-8.18	93.48	103.30
3	bD	69	PRO	C-N-CA	8.17	139.46	122.30
14	Z9	76	ARG	N-CA-CB	-8.16	95.91	110.60
2	T7	39	ASP	CB-CG-OD1	8.15	125.64	118.30
2	B7	39	ASP	CB-CG-OD1	8.14	125.63	118.30
3	GF	84	ARG	NE-CZ-NH1	8.11	124.36	120.30
3	U2	137	ARG	NE-CZ-NH2	-8.09	116.25	120.30
19	r3	145	ASP	C-N-CA	-8.06	101.56	121.70
3	bD	62	LYS	O-C-N	8.03	135.55	122.70
1	AA	419	LYS	N-CA-C	-7.99	89.43	111.00
2	QG	134	MET	CG-SD-CE	-7.97	87.45	100.20
30	Y3	54	MET	CB-CG-SD	-7.96	88.50	112.40
7	BD	223	ASN	CB-CA-C	7.96	126.32	110.40
8	C6	2	LYS	C-N-CA	7.96	141.60	121.70
30	53	50	MET	CB-CG-SD	-7.96	88.53	112.40
8	CB	2	LYS	C-N-CA	7.95	141.56	121.70
9	L6	97	MET	CB-CG-SD	-7.94	88.59	112.40
2	OG	77	ARG	NE-CZ-NH2	7.93	124.27	120.30
30	53	30	ASP	C-N-CA	-7.88	102.00	121.70
30	Y3	51	PHE	CA-C-O	-7.87	103.57	120.10
30	53	47	PHE	CA-C-O	-7.86	103.60	120.10
3	G8	84	ARG	NE-CZ-NH1	7.86	124.23	120.30
30	Y3	17	ASP	CB-CA-C	-7.85	94.69	110.40
20	L3	60	LEU	C-N-CA	-7.84	102.10	121.70
2	B9	77	ARG	NE-CZ-NH1	-7.81	116.39	120.30
3	fC	137	ARG	NE-CZ-NH1	7.81	124.21	120.30
28	zF	360	VAL	CA-CB-CG2	-7.75	99.28	110.90
14	M9	264	ARG	CB-CG-CD	7.72	131.67	111.60
14	Z9	264	ARG	CB-CG-CD	7.71	131.64	111.60
20	L3	61	LEU	N-CA-CB	-7.70	95.00	110.40
3	f2	137	ARG	NE-CZ-NH1	7.69	124.14	120.30
17	33	264	LYS	CD-CE-NZ	7.68	129.36	111.70
17	a3	264	LYS	CD-CE-NZ	7.68	129.36	111.70
2	D7	39	ASP	CB-CG-OD1	7.67	125.21	118.30
2	UG	77	ARG	NE-CZ-NH1	-7.67	116.47	120.30
9	NB	75	THR	CB-CA-C	-7.66	90.92	111.60
2	FH	77	ARG	NE-CZ-NH1	7.65	124.13	120.30
28	zF	372	GLY	C-N-CA	-7.65	102.58	121.70
3	P9	115	GLU	CA-CB-CG	7.63	130.20	113.40
3	E9	115	GLU	CA-CB-CG	7.63	130.19	113.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	T9	115	GLU	CA-CB-CG	7.62	130.17	113.40
3	C9	115	GLU	CA-CB-CG	7.62	130.17	113.40
3	X9	115	GLU	CA-CB-CG	7.62	130.16	113.40
3	N9	115	GLU	CA-CB-CG	7.62	130.15	113.40
3	K9	115	GLU	CA-CB-CG	7.61	130.15	113.40
28	zF	336	ASN	CB-CA-C	-7.61	95.17	110.40
3	A9	115	GLU	CA-CB-CG	7.61	130.14	113.40
3	V9	115	GLU	CA-CB-CG	7.61	130.14	113.40
27	b7	177	GLU	CA-CB-CG	7.61	130.13	113.40
3	I9	115	GLU	CA-CB-CG	7.60	130.13	113.40
3	R9	115	GLU	CA-CB-CG	7.60	130.12	113.40
3	G9	115	GLU	CA-CB-CG	7.59	130.10	113.40
27	Y7	177	GLU	CA-CB-CG	7.59	130.09	113.40
9	J2	24	ILE	C-N-CA	-7.58	102.75	121.70
30	Y3	8	ALA	C-N-CA	7.57	140.63	121.70
2	Z8	3	ASP	CB-CG-OD1	7.50	125.05	118.30
28	zF	361	ARG	N-CA-CB	-7.50	97.11	110.60
2	ZF	3	ASP	CB-CG-OD1	7.45	125.01	118.30
3	W4	54	GLU	CA-CB-CG	7.42	129.72	113.40
28	zF	359	THR	CA-C-N	-7.42	100.88	117.20
3	ID	52	VAL	CB-CA-C	7.38	125.42	111.40
27	b7	309	ASP	C-N-CA	-7.38	103.26	121.70
10	X2	237	ALA	C-N-CA	7.37	140.11	121.70
30	Y3	46	ALA	CA-C-N	-7.36	101.01	117.20
2	RH	3	ASP	CB-CG-OD1	7.35	124.92	118.30
30	53	42	ALA	CA-C-N	-7.35	101.03	117.20
9	NB	67	ILE	C-N-CA	-7.33	103.36	121.70
8	GC	133	LEU	CA-CB-CG	7.32	132.14	115.30
8	G2	133	LEU	CA-CB-CG	7.32	132.14	115.30
14	MI	37	GLN	CB-CA-C	-7.32	95.77	110.40
10	XC	237	ALA	C-N-CA	7.31	139.98	121.70
28	zF	343	GLN	CB-CA-C	-7.28	95.84	110.40
28	zF	365	ARG	CB-CG-CD	-7.27	92.69	111.60
4	UA	203	GLN	CB-CA-C	-7.26	95.89	110.40
28	zF	333	TYR	C-N-CA	-7.25	107.08	122.30
2	BI	98	LEU	CB-CG-CD1	-7.24	98.69	111.00
3	ID	74	GLU	CB-CA-C	-7.24	95.92	110.40
4	UA	109	MET	C-N-CA	7.22	139.74	121.70
4	KA	109	MET	C-N-CA	7.21	139.73	121.70
3	l2	156	LEU	CA-CB-CG	7.21	131.89	115.30
5	cA	294	THR	CB-CA-C	7.21	131.06	111.60
3	lC	156	LEU	CA-CB-CG	7.19	131.84	115.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
28	zF	347	VAL	C-N-CA	-7.17	107.24	122.30
28	zF	339	VAL	CB-CA-C	-7.17	97.78	111.40
28	zF	380	ARG	CB-CA-C	-7.16	96.08	110.40
1	AA	408	LEU	CA-CB-CG	7.16	131.76	115.30
2	IJ	39	ASP	CB-CG-OD1	7.13	124.72	118.30
2	I5	39	ASP	CB-CG-OD1	7.13	124.71	118.30
2	VH	13	ASP	CB-CG-OD1	7.12	124.70	118.30
2	TH	3	ASP	CB-CG-OD1	7.10	124.69	118.30
2	kD	129	ARG	CB-CG-CD	-7.06	93.24	111.60
29	fA	138	LEU	CA-CB-CG	7.05	131.51	115.30
7	BD	6	LEU	CA-CB-CG	7.04	131.50	115.30
19	P3	145	ASP	C-N-CA	-7.04	104.10	121.70
29	hA	138	LEU	CA-CB-CG	7.04	131.49	115.30
9	NB	76	SER	C-N-CA	-7.04	104.10	121.70
7	BE	6	LEU	CA-CB-CG	7.04	131.49	115.30
4	KA	162	ASN	CB-CA-C	7.03	124.46	110.40
2	JG	77	ARG	NE-CZ-NH1	-7.02	116.79	120.30
9	N6	67	ILE	C-N-CA	-7.02	104.15	121.70
2	kB	151	MET	C-N-CA	7.00	139.21	121.70
30	53	43	ASN	CB-CA-C	7.00	124.40	110.40
10	XC	125	LEU	CA-CB-CG	7.00	131.39	115.30
5	WA	286	THR	C-N-CA	-6.99	104.22	121.70
9	L6	104	VAL	N-CA-C	-6.99	92.13	111.00
30	Y3	47	ASN	CB-CA-C	6.98	124.36	110.40
11	ZG	97	LEU	CA-CB-CG	6.98	131.35	115.30
11	MG	97	LEU	CA-CB-CG	6.97	131.34	115.30
2	SG	77	ARG	NE-CZ-NH2	6.97	123.79	120.30
27	Y7	370	PRO	C-N-CA	-6.97	107.66	122.30
2	mC	50	CYS	CA-CB-SG	6.97	126.54	114.00
2	QI	90	LEU	CA-CB-CG	6.96	131.32	115.30
10	X2	125	LEU	CA-CB-CG	6.96	131.31	115.30
2	pF	83	LEU	CA-CB-CG	6.95	131.28	115.30
18	43	100	GLU	CA-CB-CG	6.94	128.67	113.40
2	p8	83	LEU	CA-CB-CG	6.93	131.24	115.30
2	m2	50	CYS	CA-CB-SG	6.92	126.45	114.00
18	b3	100	GLU	CA-CB-CG	6.91	128.61	113.40
11	ZG	236	ASP	CB-CG-OD1	6.90	124.51	118.30
28	zF	303	LEU	C-N-CA	-6.89	104.47	121.70
28	zF	379	GLU	N-CA-CB	6.89	123.00	110.60
9	L6	101	ASP	N-CA-CB	-6.86	98.24	110.60
2	J7	39	ASP	CB-CG-OD1	6.86	124.48	118.30
30	Y3	45	GLY	C-N-CA	6.85	138.83	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	y3	170	ASP	CB-CG-OD2	6.85	124.46	118.30
9	L6	102	SER	N-CA-CB	-6.84	100.23	110.50
30	53	41	GLY	C-N-CA	6.84	138.81	121.70
2	QI	98	LEU	CA-CB-CG	6.84	131.03	115.30
28	zF	366	ARG	CB-CA-C	-6.83	96.75	110.40
3	UF	84	ARG	NE-CZ-NH2	-6.82	116.89	120.30
22	W3	170	ASP	CB-CG-OD2	6.80	124.42	118.30
20	O3	72	MET	CB-CG-SD	-6.80	92.00	112.40
3	h2	137	ARG	NE-CZ-NH1	6.79	123.70	120.30
5	cA	277	PRO	CB-CA-C	-6.79	95.02	112.00
9	HC	12	ALA	O-C-N	6.79	133.56	122.70
2	FG	77	ARG	NE-CZ-NH2	6.79	123.69	120.30
1	AA	372	GLY	C-N-CA	-6.78	104.75	121.70
20	n3	60	LEU	CA-C-O	-6.77	105.88	120.10
9	J2	21	ASN	C-N-CA	-6.75	104.82	121.70
3	dC	138	LEU	CA-CB-CG	6.74	130.81	115.30
20	O3	69	GLY	C-N-CA	-6.74	108.14	122.30
9	L6	96	ALA	O-C-N	6.74	133.48	122.70
2	dF	67	ILE	CG1-CB-CG2	-6.74	96.58	111.40
2	d8	24	LEU	CA-CB-CG	6.72	130.76	115.30
2	FA	33	ASP	CB-CG-OD1	6.72	124.35	118.30
2	kD	129	ARG	N-CA-CB	-6.72	98.51	110.60
2	LA	76	ASN	C-N-CA	-6.71	104.91	121.70
3	d2	138	LEU	CA-CB-CG	6.71	130.75	115.30
2	V4	157	ASP	CB-CG-OD1	6.71	124.34	118.30
3	ID	85	ASP	N-CA-C	-6.71	92.88	111.00
2	W5	90	LEU	CA-CB-CG	6.70	130.70	115.30
2	WJ	90	LEU	CA-CB-CG	6.68	130.68	115.30
3	U8	84	ARG	NE-CZ-NH2	-6.67	116.96	120.30
2	B9	77	ARG	NE-CZ-NH2	6.67	123.64	120.30
2	dF	24	LEU	CA-CB-CG	6.67	130.64	115.30
3	ID	52	VAL	N-CA-CB	-6.66	96.84	111.50
3	UC	137	ARG	NE-CZ-NH1	6.66	123.63	120.30
2	d8	67	ILE	CG1-CB-CG2	-6.66	96.75	111.40
2	kB	151	MET	CB-CG-SD	-6.65	92.45	112.40
3	QC	137	ARG	NE-CZ-NH2	-6.65	116.97	120.30
28	zF	381	VAL	CA-C-O	-6.64	106.15	120.10
3	I8	33	ARG	NE-CZ-NH1	-6.62	116.99	120.30
2	QG	98	LEU	CB-CG-CD1	-6.61	99.76	111.00
3	lC	120	LEU	CA-CB-CG	6.59	130.47	115.30
2	r8	120	LEU	CA-CB-CG	6.58	130.43	115.30
30	Y3	44	PRO	CB-CA-C	-6.57	95.57	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	C8	84	ARG	NE-CZ-NH1	6.57	123.58	120.30
28	zF	470	GLY	C-N-CD	-6.57	106.16	120.60
2	S9	33	ASP	CB-CG-OD1	6.55	124.20	118.30
11	MG	91	LEU	CB-CG-CD2	-6.55	99.86	111.00
30	Y3	41	ARG	CG-CD-NE	6.55	125.56	111.80
9	LC	3	ASP	CB-CG-OD1	6.55	124.19	118.30
2	rF	120	LEU	CA-CB-CG	6.54	130.35	115.30
2	VF	3	ASP	CB-CG-OD1	6.54	124.19	118.30
3	l2	120	LEU	CA-CB-CG	6.54	130.34	115.30
30	53	37	ARG	CG-CD-NE	6.54	125.53	111.80
3	CF	84	ARG	NE-CZ-NH1	6.53	123.57	120.30
3	Q2	137	ARG	NE-CZ-NH2	-6.53	117.03	120.30
3	l2	137	ARG	NE-CZ-NH2	-6.53	117.03	120.30
3	IF	33	ARG	NE-CZ-NH1	-6.53	117.04	120.30
2	QG	113	LEU	CA-CB-CG	6.52	130.30	115.30
11	ZG	91	LEU	CB-CG-CD2	-6.52	99.92	111.00
3	lC	137	ARG	NE-CZ-NH2	-6.50	117.05	120.30
2	V8	33	ASP	CB-CG-OD1	6.50	124.15	118.30
20	n3	63	SER	C-N-CA	6.50	137.94	121.70
3	hC	137	ARG	NE-CZ-NH1	6.49	123.55	120.30
2	v8	101	ASP	CB-CG-OD1	6.48	124.13	118.30
2	T7	157	ASP	CB-CG-OD1	6.47	124.12	118.30
8	M2	19	LEU	CA-CB-CG	6.47	130.17	115.30
14	ZI	36	ARG	O-C-N	6.46	133.04	122.70
17	a3	100	ASP	CB-CG-OD1	6.46	124.12	118.30
5	cA	296	GLY	C-N-CA	6.46	137.86	121.70
9	L2	3	ASP	CB-CG-OD1	6.46	124.12	118.30
2	V8	3	ASP	CB-CG-OD1	6.45	124.10	118.30
2	HI	98	LEU	CA-CB-CG	6.44	130.11	115.30
2	vF	101	ASP	CB-CG-OD1	6.44	124.10	118.30
3	U2	137	ARG	NE-CZ-NH1	6.44	123.52	120.30
2	VF	33	ASP	CB-CG-OD1	6.43	124.09	118.30
17	33	100	ASP	CB-CG-OD1	6.43	124.09	118.30
10	X2	328	LEU	CA-CB-CG	6.42	130.08	115.30
5	cA	277	PRO	CA-N-CD	6.41	120.68	111.70
30	53	45	GLN	CB-CA-C	-6.41	97.58	110.40
3	dC	44	LEU	CA-CB-CG	6.41	130.03	115.30
8	MC	19	LEU	CA-CB-CG	6.40	130.03	115.30
10	XC	328	LEU	CA-CB-CG	6.40	130.03	115.30
3	d2	44	LEU	CA-CB-CG	6.40	130.03	115.30
11	ZG	147	LYS	CD-CE-NZ	6.40	126.41	111.70
2	V2	174	ALA	C-N-CA	-6.40	105.71	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	O4	54	GLU	CA-CB-CG	6.39	127.47	113.40
2	FH	23	ASP	CB-CG-OD1	6.39	124.05	118.30
30	Y3	49	GLN	CB-CA-C	-6.38	97.63	110.40
9	L6	97	MET	CB-CA-C	-6.38	97.65	110.40
11	MG	147	LYS	CD-CE-NZ	6.37	126.35	111.70
2	T8	39	ASP	OD1-CG-OD2	-6.37	111.20	123.30
2	kB	150	LYS	CB-CA-C	6.36	123.12	110.40
2	Z8	24	LEU	CA-CB-CG	6.34	129.88	115.30
2	TF	39	ASP	OD1-CG-OD2	-6.34	111.26	123.30
2	ZF	24	LEU	CA-CB-CG	6.33	129.87	115.30
4	UA	41	ALA	C-N-CA	-6.33	105.87	121.70
2	FI	149	ARG	NE-CZ-NH2	-6.33	117.14	120.30
30	Y3	27	GLU	CB-CA-C	-6.33	97.74	110.40
9	JC	28	SER	C-N-CA	-6.32	105.89	121.70
2	N4	107	ASP	CB-CG-OD1	6.31	123.98	118.30
28	zF	340	PHE	CB-CA-C	6.29	122.98	110.40
2	F1	176	ILE	CG1-CB-CG2	-6.29	97.57	111.40
2	FK	176	ILE	CG1-CB-CG2	-6.28	97.58	111.40
3	ID	65	TYR	CB-CA-C	-6.27	97.86	110.40
2	MA	75	THR	CA-CB-CG2	6.26	121.16	112.40
2	Q5	88	ILE	CG1-CB-CG2	-6.25	97.66	111.40
2	HG	77	ARG	NE-CZ-NH1	-6.25	117.18	120.30
2	FG	67	ILE	CG1-CB-CG2	-6.24	97.68	111.40
2	QJ	88	ILE	CG1-CB-CG2	-6.23	97.69	111.40
2	QG	110	LEU	CA-CB-CG	6.23	129.63	115.30
14	Z9	264	ARG	NE-CZ-NH2	6.22	123.41	120.30
14	MI	34	MET	N-CA-C	-6.21	94.24	111.00
11	ZG	284	LEU	CA-CB-CG	6.20	129.56	115.30
2	c4	50	CYS	CA-CB-SG	6.20	125.16	114.00
11	MG	284	LEU	CA-CB-CG	6.20	129.56	115.30
3	uF	84	ARG	NE-CZ-NH1	-6.20	117.20	120.30
2	OG	3	ASP	CB-CG-OD1	6.19	123.87	118.30
3	W8	81	LYS	CD-CE-NZ	6.19	125.94	111.70
3	G1	44	LEU	CA-CB-CG	6.19	129.53	115.30
2	UG	77	ARG	NE-CZ-NH2	6.18	123.39	120.30
3	GK	44	LEU	CA-CB-CG	6.18	129.51	115.30
3	l2	105	LEU	CA-CB-CG	6.17	129.48	115.30
14	Z9	77	LEU	N-CA-CB	-6.16	98.08	110.40
3	WF	81	LYS	CD-CE-NZ	6.16	125.86	111.70
3	ID	75	ASN	CA-C-N	-6.16	103.66	117.20
3	lC	105	LEU	CA-CB-CG	6.15	129.45	115.30
28	zF	336	ASN	N-CA-CB	6.15	121.67	110.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	ZI	40	PRO	N-CA-CB	-6.14	95.84	102.60
3	WC	137	ARG	NE-CZ-NH2	-6.14	117.23	120.30
14	MI	40	PRO	N-CA-CB	-6.14	95.84	102.60
1	AA	417	PHE	N-CA-CB	6.12	121.62	110.60
2	S9	38	LEU	CB-CG-CD1	-6.10	100.63	111.00
3	ID	54	GLU	CB-CA-C	-6.10	98.20	110.40
3	W2	137	ARG	NE-CZ-NH2	-6.09	117.25	120.30
28	zF	333	TYR	CA-C-N	-6.09	104.01	116.20
2	VA	33	ASP	CB-CG-OD1	6.09	123.78	118.30
20	L3	61	LEU	N-CA-C	-6.09	94.56	111.00
30	53	32	LYS	CB-CA-C	-6.09	98.22	110.40
30	Y3	36	LYS	CB-CA-C	-6.09	98.22	110.40
2	k6	34	GLY	C-N-CA	-6.08	106.50	121.70
3	U8	84	ARG	NE-CZ-NH1	6.08	123.34	120.30
14	M9	264	ARG	NE-CZ-NH2	6.08	123.34	120.30
3	ID	51	VAL	CB-CA-C	-6.08	99.85	111.40
2	JG	77	ARG	NE-CZ-NH2	6.07	123.34	120.30
12	AH	96	CYS	CA-CB-SG	6.07	124.93	114.00
3	u8	84	ARG	NE-CZ-NH1	-6.07	117.26	120.30
3	GF	84	ARG	NE-CZ-NH2	-6.07	117.27	120.30
3	UF	84	ARG	NE-CZ-NH1	6.05	123.32	120.30
2	P7	2	LEU	CA-CB-CG	6.04	129.20	115.30
3	C8	84	ARG	NE-CZ-NH2	-6.04	117.28	120.30
2	DG	110	LEU	CA-CB-CG	6.04	129.19	115.30
4	KA	194	PRO	N-CA-CB	-6.03	95.97	102.60
30	Y3	42	ARG	O-C-N	6.03	132.34	122.70
14	ZI	35	LYS	N-CA-CB	6.03	121.45	110.60
27	Y7	329	TYR	C-N-CA	6.02	136.74	121.70
28	zF	381	VAL	CA-CB-CG2	-6.01	101.89	110.90
2	WI	83	LEU	CB-CG-CD1	6.00	121.21	111.00
3	O1	85	ASP	CB-CG-OD2	5.99	123.69	118.30
3	X5	122	LEU	CA-CB-CG	5.99	129.07	115.30
30	Y3	33	ALA	CA-C-N	5.98	130.36	117.20
3	ID	83	TYR	CB-CG-CD1	-5.98	117.41	121.00
2	HH	157	ASP	CB-CG-OD1	5.98	123.68	118.30
2	mC	2	LEU	CA-CB-CG	5.97	129.04	115.30
2	F4	39	ASP	CB-CG-OD2	5.97	123.67	118.30
28	zF	335	LYS	CA-C-N	5.97	130.34	117.20
28	zF	344	PHE	CA-CB-CG	-5.97	99.57	113.90
3	OK	85	ASP	CB-CG-OD2	5.97	123.67	118.30
2	m2	2	LEU	CA-CB-CG	5.96	129.02	115.30
2	lF	90	LEU	CA-CB-CG	5.96	129.00	115.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	l8	90	LEU	CA-CB-CG	5.95	128.99	115.30
2	VH	107	ASP	CB-CG-OD1	5.95	123.66	118.30
20	n3	59	SER	CB-CA-C	-5.95	98.79	110.10
2	m4	157	ASP	CB-CG-OD1	5.94	123.64	118.30
3	XJ	122	LEU	CA-CB-CG	5.94	128.95	115.30
2	QG	77	ARG	NE-CZ-NH2	-5.93	117.33	120.30
3	bD	62	LYS	CA-C-N	-5.92	104.17	117.20
1	EA	398	GLY	C-N-CA	-5.92	109.87	122.30
2	BG	67	ILE	CG1-CB-CG2	-5.91	98.39	111.40
9	H6	77	ARG	NE-CZ-NH2	5.91	123.25	120.30
16	23	121	VAL	C-N-CA	-5.91	106.93	121.70
9	N2	90	LEU	CA-CB-CG	5.91	128.88	115.30
9	N6	75	THR	C-N-CA	-5.91	106.94	121.70
9	NC	84	ARG	NE-CZ-NH1	-5.90	117.35	120.30
3	j2	157	ASP	CB-CG-OD1	5.90	123.61	118.30
14	ZI	35	LYS	CB-CA-C	-5.89	98.62	110.40
9	N2	84	ARG	NE-CZ-NH1	-5.88	117.36	120.30
3	G8	84	ARG	NE-CZ-NH2	-5.88	117.36	120.30
2	QJ	24	LEU	CA-CB-CG	5.88	128.83	115.30
9	NC	90	LEU	CA-CB-CG	5.88	128.83	115.30
3	CF	84	ARG	NE-CZ-NH2	-5.88	117.36	120.30
24	73	420	PHE	CB-CG-CD1	-5.88	116.69	120.80
7	BB	202	PRO	N-CA-CB	-5.88	96.14	102.60
1	AA	419	LYS	CB-CA-C	5.87	122.14	110.40
9	J2	20	SER	C-N-CA	-5.87	107.03	121.70
3	sF	138	LEU	CA-CB-CG	5.86	128.78	115.30
28	zF	378	LEU	CB-CG-CD1	-5.86	101.04	111.00
2	QI	2	LEU	CA-CB-CG	5.85	128.76	115.30
24	63	556	ASP	CB-CG-OD1	5.85	123.56	118.30
3	s8	138	LEU	CA-CB-CG	5.85	128.75	115.30
3	ID	83	TYR	CB-CG-CD2	5.85	124.51	121.00
3	KK	27	ILE	CG1-CB-CG2	-5.84	98.54	111.40
3	K1	27	ILE	CG1-CB-CG2	-5.84	98.54	111.40
20	s3	67	ARG	CB-CA-C	-5.84	98.71	110.40
3	bD	63	TYR	CA-CB-CG	-5.83	102.33	113.40
2	YA	75	THR	CA-CB-CG2	5.82	120.54	112.40
2	Q5	24	LEU	CA-CB-CG	5.82	128.67	115.30
2	HG	83	LEU	CA-CB-CG	5.81	128.66	115.30
9	HB	77	ARG	NE-CZ-NH2	5.81	123.20	120.30
9	JE	141	LEU	CB-CG-CD2	-5.80	101.14	111.00
14	ZI	43	PRO	N-CA-C	-5.80	97.02	112.10
14	MI	43	PRO	N-CA-C	-5.80	97.03	112.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	L3	63	SER	C-N-CA	5.79	136.18	121.70
30	Y3	44	PRO	CA-N-CD	5.79	119.81	111.70
9	JD	141	LEU	CB-CG-CD2	-5.79	101.16	111.00
2	DI	105	LEU	CA-CB-CG	5.79	128.61	115.30
2	J7	177	SER	N-CA-C	-5.79	95.37	111.00
9	JE	75	THR	CA-CB-CG2	5.78	120.50	112.40
2	L8	129	ARG	CA-CB-CG	5.78	126.12	113.40
2	R2	128	ILE	CG1-CB-CG2	-5.78	98.68	111.40
2	kB	146	ALA	N-CA-CB	-5.78	102.01	110.10
3	jC	157	ASP	CB-CG-OD1	5.78	123.50	118.30
14	ZI	52	LEU	N-CA-C	5.78	126.60	111.00
2	WI	27	LEU	CA-CB-CG	5.77	128.58	115.30
3	S2	137	ARG	NE-CZ-NH2	-5.77	117.41	120.30
2	X7	107	ASP	CB-CG-OD1	5.77	123.50	118.30
28	zF	419	PRO	N-CA-CB	5.77	110.23	103.30
2	OG	13	ASP	CB-CG-OD1	5.77	123.49	118.30
2	DI	24	LEU	CA-CB-CG	5.76	128.56	115.30
14	ZI	42	PRO	CB-CA-C	5.76	126.39	112.00
2	ZH	39	ASP	CB-CG-OD2	5.75	123.48	118.30
14	MI	42	PRO	CB-CA-C	5.75	126.38	112.00
2	X4	157	ASP	CB-CG-OD1	5.74	123.47	118.30
28	zF	379	GLU	O-C-N	5.74	131.89	122.70
3	SC	137	ARG	NE-CZ-NH2	-5.74	117.43	120.30
9	JD	75	THR	CA-CB-CG2	5.74	120.44	112.40
4	UA	42	ARG	C-N-CA	-5.74	107.35	121.70
2	gA	33	ASP	CB-CG-OD1	5.74	123.47	118.30
2	LF	129	ARG	CA-CB-CG	5.73	126.01	113.40
3	ID	59	CYS	CB-CA-C	-5.73	98.93	110.40
4	UA	195	GLU	C-N-CA	5.73	136.02	121.70
3	ID	83	TYR	CB-CA-C	-5.73	98.95	110.40
9	N6	75	THR	N-CA-C	-5.72	95.54	111.00
12	AH	155	PHE	C-N-CD	5.71	140.40	128.40
3	q8	138	LEU	CA-CB-CG	5.71	128.44	115.30
2	LH	3	ASP	CB-CG-OD1	5.71	123.44	118.30
2	O5	24	LEU	CA-CB-CG	5.71	128.43	115.30
3	qF	138	LEU	CA-CB-CG	5.71	128.42	115.30
2	RC	128	ILE	CG1-CB-CG2	-5.70	98.86	111.40
2	T7	2	LEU	CA-CB-CG	5.70	128.41	115.30
4	UA	208	ALA	C-N-CA	-5.69	107.47	121.70
2	kB	149	ARG	CB-CA-C	-5.69	99.02	110.40
3	V5	110	ILE	CG1-CB-CG2	-5.69	98.89	111.40
3	ID	52	VAL	CG1-CB-CG2	-5.69	101.80	110.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	vF	110	LEU	CA-CB-CG	5.69	128.38	115.30
2	JF	39	ASP	CB-CG-OD2	5.69	123.42	118.30
2	HG	39	ASP	CB-CG-OD2	-5.68	113.19	118.30
1	EA	342	ASP	CB-CG-OD1	5.68	123.41	118.30
2	X4	39	ASP	CB-CG-OD2	5.67	123.41	118.30
28	zF	372	GLY	CA-C-N	5.67	129.68	117.20
2	OJ	24	LEU	CA-CB-CG	5.67	128.34	115.30
3	VJ	110	ILE	CG1-CB-CG2	-5.67	98.94	111.40
28	zF	368	ALA	N-CA-C	-5.66	95.71	111.00
1	AA	409	ARG	CB-CA-C	5.66	121.72	110.40
2	v8	110	LEU	CA-CB-CG	5.66	128.32	115.30
9	HC	153	CYS	C-N-CA	-5.66	107.56	121.70
18	b3	144	ARG	C-N-CA	-5.65	107.57	121.70
20	n3	61	LEU	N-CA-C	-5.65	95.74	111.00
3	S2	137	ARG	NE-CZ-NH1	5.65	123.12	120.30
30	Y3	41	ARG	CA-C-N	-5.65	104.77	117.20
2	EJ	39	ASP	CB-CG-OD2	5.65	123.38	118.30
2	i2	105	LEU	CA-CB-CG	5.64	128.28	115.30
3	lC	24	LEU	CA-CB-CG	5.64	128.28	115.30
8	KD	87	ASP	C-N-CA	-5.64	107.60	121.70
2	XH	33	ASP	CB-CG-OD1	5.64	123.38	118.30
5	cA	277	PRO	N-CA-CB	-5.63	96.40	102.60
2	iC	105	LEU	CA-CB-CG	5.63	128.26	115.30
2	FA	75	THR	CA-CB-CG2	5.63	120.28	112.40
3	SC	137	ARG	NE-CZ-NH1	5.63	123.11	120.30
3	l2	24	LEU	CA-CB-CG	5.62	128.23	115.30
3	EK	24	LEU	CA-CB-CG	5.62	128.22	115.30
3	E1	24	LEU	CA-CB-CG	5.61	128.21	115.30
4	KA	165	LYS	CB-CA-C	-5.60	99.21	110.40
2	J8	39	ASP	CB-CG-OD2	5.60	123.34	118.30
9	N2	84	ARG	NE-CZ-NH2	5.60	123.10	120.30
9	L6	104	VAL	O-C-N	-5.60	113.75	122.70
2	WG	67	ILE	CG1-CB-CG2	-5.59	99.09	111.40
3	sF	137	ARG	CG-CD-NE	5.59	123.55	111.80
3	bE	138	LEU	CA-CB-CG	5.59	128.16	115.30
12	A4	58	MET	CA-CB-CG	5.59	122.80	113.30
2	Y9	157	ASP	CB-CG-OD1	5.59	123.33	118.30
29	hA	194	ARG	CB-CA-C	-5.58	99.23	110.40
3	bD	138	LEU	CA-CB-CG	5.58	128.14	115.30
3	bD	63	TYR	O-C-N	5.58	131.62	122.70
7	BB	193	ALA	CA-C-N	-5.58	104.93	117.20
2	DG	113	LEU	CA-CB-CG	5.58	128.13	115.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	l2	137	ARG	NE-CZ-NH1	5.58	123.09	120.30
2	FH	77	ARG	NE-CZ-NH2	-5.57	117.51	120.30
24	63	269	LEU	CA-CB-CG	5.57	128.12	115.30
11	MG	84	GLU	CA-CB-CG	5.57	125.65	113.40
3	ID	60	PHE	CB-CA-C	5.56	121.52	110.40
11	ZG	84	GLU	CA-CB-CG	5.55	125.61	113.40
14	MI	37	GLN	N-CA-CB	5.55	120.59	110.60
2	E5	39	ASP	CB-CG-OD2	5.55	123.29	118.30
3	lC	137	ARG	NE-CZ-NH1	5.54	123.07	120.30
9	NC	84	ARG	NE-CZ-NH2	5.54	123.07	120.30
3	EF	84	ARG	NE-CZ-NH2	-5.54	117.53	120.30
2	QG	77	ARG	CG-CD-NE	-5.54	100.17	111.80
2	DI	33	ASP	CB-CG-OD2	-5.54	113.32	118.30
3	s8	137	ARG	CG-CD-NE	5.53	123.42	111.80
7	BE	202	PRO	CA-C-N	-5.52	105.05	117.20
2	LH	101	ASP	CB-CG-OD1	5.52	123.27	118.30
2	nF	90	LEU	CA-CB-CG	5.52	127.99	115.30
9	L6	97	MET	CG-SD-CE	5.52	109.03	100.20
28	z8	383	GLN	C-N-CA	-5.51	107.93	121.70
1	AA	416	ASP	CA-C-O	-5.50	108.55	120.10
2	BG	105	LEU	CA-CB-CG	5.49	127.93	115.30
30	53	17	PHE	N-CA-CB	5.49	120.48	110.60
2	QJ	98	LEU	CA-CB-CG	5.49	127.92	115.30
1	AA	417	PHE	CA-CB-CG	-5.49	100.73	113.90
2	Q5	98	LEU	CA-CB-CG	5.48	127.91	115.30
3	QC	137	ARG	NE-CZ-NH1	5.48	123.04	120.30
2	r8	67	ILE	CG1-CB-CG2	-5.48	99.35	111.40
2	n8	90	LEU	CA-CB-CG	5.48	127.90	115.30
22	y3	20	ASP	CB-CG-OD1	5.47	123.22	118.30
3	h2	120	LEU	CA-CB-CG	5.47	127.88	115.30
2	gA	67	ILE	CG1-CB-CG2	-5.46	99.38	111.40
30	Y3	19	PRO	N-CD-CG	-5.46	95.01	103.20
28	z8	450	ARG	CB-CA-C	5.46	121.32	110.40
2	JI	83	LEU	CA-CB-CG	-5.45	102.75	115.30
2	VD	105	LEU	CA-CB-CG	5.45	127.83	115.30
2	OG	77	ARG	CG-CD-NE	5.45	123.25	111.80
2	IJ	77	ARG	NE-CZ-NH1	5.45	123.03	120.30
27	b7	370	PRO	C-N-CA	-5.45	110.86	122.30
2	rF	67	ILE	CG1-CB-CG2	-5.45	99.42	111.40
28	zF	418	PRO	N-CA-CB	5.45	109.83	103.30
2	NH	39	ASP	CB-CG-OD2	5.44	123.20	118.30
2	F4	33	ASP	CB-CG-OD1	5.44	123.19	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	N5	27	ILE	CG1-CB-CG2	-5.43	99.45	111.40
3	G8	137	ARG	CB-CG-CD	5.43	125.71	111.60
3	GF	137	ARG	CB-CG-CD	5.42	125.71	111.60
3	hC	120	LEU	CA-CB-CG	5.42	127.78	115.30
2	IA	13	ASP	CB-CG-OD2	-5.42	113.42	118.30
2	PA	75	THR	CA-CB-CG2	5.42	119.99	112.40
28	zF	335	LYS	CA-C-O	-5.42	108.71	120.10
28	zF	364	SER	CA-C-O	-5.42	108.72	120.10
3	NJ	27	ILE	CG1-CB-CG2	-5.42	99.48	111.40
3	ID	76	GLN	N-CA-C	-5.41	96.39	111.00
3	ID	78	LYS	CB-CA-C	-5.41	99.58	110.40
2	G5	2	LEU	CA-CB-CG	5.41	127.73	115.30
2	bA	33	ASP	CB-CG-OD1	5.41	123.17	118.30
12	AH	58	MET	CA-CB-CG	5.40	122.48	113.30
3	bD	67	LYS	CB-CA-C	5.40	121.20	110.40
22	W3	20	ASP	CB-CG-OD1	5.40	123.16	118.30
5	WA	278	PHE	CA-C-N	5.38	132.17	117.10
28	zF	368	ALA	CA-C-O	-5.38	108.80	120.10
2	VE	105	LEU	CA-CB-CG	5.38	127.67	115.30
2	Z4	13	ASP	CB-CG-OD1	5.37	123.14	118.30
1	AA	416	ASP	CB-CA-C	5.37	121.14	110.40
2	LA	33	ASP	CB-CG-OD1	5.37	123.13	118.30
27	Y7	328	SER	C-N-CA	5.37	135.12	121.70
2	W5	120	LEU	CA-CB-CG	5.37	127.64	115.30
8	KC	111	LEU	CA-CB-CG	5.36	127.64	115.30
3	I1	66	LEU	CA-CB-CG	5.36	127.64	115.30
2	RH	39	ASP	CB-CG-OD2	5.35	123.12	118.30
2	GJ	2	LEU	CA-CB-CG	5.35	127.61	115.30
3	E8	84	ARG	NE-CZ-NH2	-5.35	117.62	120.30
28	zF	366	ARG	CA-CB-CG	-5.34	101.64	113.40
14	Z9	76	ARG	CB-CG-CD	-5.34	97.71	111.60
30	Y3	44	PRO	N-CA-C	5.34	125.99	112.10
2	H4	170	ASP	CB-CG-OD1	5.34	123.10	118.30
2	JI	13	ASP	CB-CG-OD1	-5.34	113.50	118.30
3	ID	69	PRO	N-CD-CG	-5.34	95.19	103.20
30	Y3	47	ASN	C-N-CA	-5.33	108.38	121.70
7	BE	227	GLU	C-N-CA	-5.33	108.38	121.70
3	IK	66	LEU	CA-CB-CG	5.33	127.55	115.30
3	lC	92	LEU	CA-CB-CG	5.33	127.55	115.30
30	53	43	ASN	C-N-CA	-5.32	108.40	121.70
3	Q2	137	ARG	NE-CZ-NH1	5.31	122.95	120.30
28	zF	281	SER	O-C-N	-5.31	114.21	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	WF	84	ARG	NE-CZ-NH2	-5.31	117.65	120.30
2	WJ	120	LEU	CA-CB-CG	5.30	127.50	115.30
2	UG	105	LEU	CA-CB-CG	5.30	127.49	115.30
2	P2	39	ASP	CB-CG-OD2	5.30	123.07	118.30
8	K2	111	LEU	CA-CB-CG	5.30	127.49	115.30
30	Y3	41	ARG	CB-CA-C	-5.30	99.80	110.40
28	z8	441	ASP	CB-CA-C	5.30	121.00	110.40
2	CA	54	ASP	CB-CG-OD1	5.29	123.06	118.30
3	R5	163	LEU	CA-CB-CG	5.29	127.47	115.30
30	Y3	44	PRO	N-CD-CG	-5.29	95.26	103.20
9	JE	166	ARG	CB-CA-C	-5.29	99.82	110.40
4	KA	166	ALA	C-N-CA	-5.29	108.48	121.70
3	Y4	143	ASP	CB-CG-OD2	-5.29	113.54	118.30
3	IF	81	LYS	CD-CE-NZ	5.29	123.86	111.70
14	MI	62	LYS	C-N-CA	5.29	134.91	121.70
3	RJ	163	LEU	CA-CB-CG	5.28	127.45	115.30
3	I8	81	LYS	CD-CE-NZ	5.28	123.85	111.70
30	53	37	ARG	CB-CA-C	-5.28	99.83	110.40
4	UA	67	ASP	CB-CG-OD1	5.28	123.05	118.30
28	z8	296	ALA	C-N-CA	-5.28	108.50	121.70
2	H4	39	ASP	CB-CG-OD2	5.27	123.04	118.30
2	JF	33	ASP	CB-CG-OD1	5.27	123.04	118.30
2	D4	3	ASP	CB-CG-OD1	5.27	123.04	118.30
3	bD	62	LYS	C-N-CA	5.27	134.87	121.70
14	M9	77	LEU	CA-CB-CG	5.26	127.41	115.30
3	i8	38	LEU	CA-CB-CG	5.26	127.40	115.30
30	Y3	37	ALA	N-CA-CB	-5.26	102.73	110.10
3	l2	92	LEU	CA-CB-CG	5.26	127.39	115.30
7	BD	222	LEU	CA-CB-CG	5.25	127.38	115.30
3	iF	38	LEU	CA-CB-CG	5.25	127.38	115.30
2	LA	75	THR	CA-CB-CG2	5.25	119.75	112.40
30	Y3	61	LYS	CB-CA-C	5.25	120.90	110.40
30	53	57	LYS	CB-CA-C	5.25	120.89	110.40
2	WG	83	LEU	CA-CB-CG	5.25	127.36	115.30
2	I5	77	ARG	NE-CZ-NH1	5.24	122.92	120.30
2	nF	97	LEU	CA-CB-CG	5.24	127.36	115.30
2	cH	97	LEU	CA-CB-CG	5.24	127.34	115.30
28	z8	476	ASP	CB-CG-OD2	5.23	123.01	118.30
30	53	33	ALA	N-CA-CB	-5.23	102.78	110.10
2	LA	3	ASP	CB-CG-OD1	5.23	123.01	118.30
2	F4	77	ARG	NE-CZ-NH1	5.23	122.91	120.30
2	L8	129	ARG	CB-CG-CD	5.23	125.19	111.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
24	63	209	ASN	N-CA-C	-5.22	96.91	111.00
2	VA	75	THR	CA-CB-CG2	5.21	119.70	112.40
3	WC	137	ARG	NE-CZ-NH1	5.21	122.91	120.30
4	KA	67	ASP	CB-CG-OD1	5.21	122.99	118.30
2	B9	97	LEU	CA-CB-CG	5.21	127.27	115.30
2	FI	105	LEU	CA-CB-CG	5.20	127.27	115.30
2	SG	83	LEU	CA-CB-CG	5.20	127.26	115.30
2	RA	97	LEU	CA-CB-CG	5.20	127.25	115.30
2	I5	39	ASP	CB-CG-OD2	-5.20	113.62	118.30
3	e8	156	LEU	CA-CB-CG	5.20	127.25	115.30
30	Y3	28	LEU	C-N-CA	5.20	134.69	121.70
2	DA	113	LEU	C-N-CA	-5.19	108.72	121.70
14	Z9	82	ARG	C-N-CA	-5.19	108.72	121.70
2	PC	39	ASP	CB-CG-OD2	5.19	122.97	118.30
2	n8	97	LEU	CA-CB-CG	5.19	127.24	115.30
2	pF	2	LEU	CA-CB-CG	5.19	127.24	115.30
2	p8	2	LEU	CA-CB-CG	5.19	127.23	115.30
2	LF	129	ARG	CB-CG-CD	5.18	125.07	111.60
9	L6	101	ASP	CA-CB-CG	-5.18	102.00	113.40
2	B8	24	LEU	CA-CB-CG	5.18	127.21	115.30
29	fA	179	ASP	C-N-CA	-5.18	108.75	121.70
3	eF	156	LEU	CA-CB-CG	5.18	127.21	115.30
2	XA	75	THR	CA-CB-CG2	5.18	119.65	112.40
2	J8	33	ASP	CB-CG-OD1	5.18	122.96	118.30
2	lF	110	LEU	CA-CB-CG	5.18	127.21	115.30
2	LG	101	ASP	CB-CG-OD1	5.17	122.96	118.30
2	BF	24	LEU	CA-CB-CG	5.17	127.20	115.30
2	BG	83	LEU	CA-CB-CG	5.17	127.19	115.30
28	zF	476	ASP	CB-CG-OD2	5.17	122.95	118.30
2	LA	77	ARG	C-N-CA	-5.16	108.79	121.70
20	Q3	62	TYR	CB-CA-C	5.16	120.72	110.40
30	53	54	MET	CB-CG-SD	-5.16	96.94	112.40
3	AF	84	ARG	NE-CZ-NH2	-5.15	117.72	120.30
2	VE	39	ASP	CB-CG-OD2	5.15	122.94	118.30
2	l8	110	LEU	CA-CB-CG	5.15	127.14	115.30
3	U2	131	ILE	CG1-CB-CG2	-5.15	100.08	111.40
3	UC	131	ILE	CG1-CB-CG2	-5.14	100.08	111.40
30	Y3	58	MET	CB-CG-SD	-5.14	96.97	112.40
2	N7	33	ASP	CB-CG-OD1	5.14	122.93	118.30
2	LI	97	LEU	CA-CB-CG	5.14	127.12	115.30
27	Y7	337	ILE	CG1-CB-CG2	-5.13	100.11	111.40
2	VD	39	ASP	CB-CG-OD2	5.13	122.92	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
27	b7	337	ILE	CG1-CB-CG2	-5.13	100.12	111.40
18	b3	162	MET	CB-CG-SD	5.12	127.77	112.40
2	W5	157	ASP	CB-CG-OD1	5.12	122.91	118.30
3	c8	38	LEU	CA-CB-CG	5.12	127.08	115.30
2	QG	83	LEU	CA-CB-CG	5.12	127.08	115.30
25	b4	214	MET	CA-CB-CG	5.12	122.00	113.30
14	Z9	73	SER	C-N-CA	-5.11	111.56	122.30
2	Q5	113	LEU	CA-CB-CG	5.11	127.05	115.30
2	YB	157	ASP	CB-CA-C	-5.11	100.19	110.40
18	43	162	MET	CB-CG-SD	5.11	127.72	112.40
28	zF	374	LYS	CB-CA-C	-5.11	100.19	110.40
3	C4	54	GLU	CA-CB-CG	5.10	124.63	113.40
10	X6	331	ALA	C-N-CA	5.10	134.46	121.70
28	zF	449	LEU	C-N-CA	5.10	134.46	121.70
2	VC	67	ILE	CG1-CB-CG2	-5.10	100.18	111.40
2	QJ	113	LEU	CA-CB-CG	5.10	127.03	115.30
2	c2	2	LEU	CA-CB-CG	5.09	127.02	115.30
3	i8	67	LYS	C-N-CA	5.09	134.43	121.70
30	Y3	58	MET	CB-CA-C	-5.09	100.21	110.40
9	HC	19	LEU	CA-CB-CG	5.09	127.01	115.30
2	cC	2	LEU	CA-CB-CG	5.09	127.01	115.30
9	ND	58	ALA	O-C-N	5.09	130.84	122.70
2	kB	151	MET	N-CA-CB	-5.09	101.44	110.60
10	XB	331	ALA	C-N-CA	5.08	134.41	121.70
30	53	54	MET	CB-CA-C	-5.08	100.25	110.40
3	cF	38	LEU	CA-CB-CG	5.08	126.97	115.30
3	iF	67	LYS	C-N-CA	5.08	134.39	121.70
2	DG	83	LEU	CA-CB-CG	5.07	126.97	115.30
11	MG	287	VAL	O-C-N	5.07	130.81	122.70
2	V4	97	LEU	CA-CB-CG	5.07	126.97	115.30
28	zF	340	PHE	CB-CG-CD1	5.07	124.35	120.80
3	EK	106	ASP	CB-CG-OD1	5.07	122.86	118.30
3	A8	84	ARG	NE-CZ-NH2	-5.07	117.77	120.30
3	OF	84	ARG	NE-CZ-NH2	-5.06	117.77	120.30
2	WJ	157	ASP	CB-CG-OD1	5.06	122.86	118.30
3	W8	84	ARG	NE-CZ-NH2	-5.06	117.77	120.30
2	IJ	39	ASP	CB-CG-OD2	-5.06	113.75	118.30
3	G8	137	ARG	CG-CD-NE	-5.06	101.17	111.80
2	IA	3	ASP	CB-CG-OD1	5.05	122.85	118.30
2	LH	33	ASP	CB-CG-OD1	5.05	122.85	118.30
2	W9	91	ARG	CG-CD-NE	-5.05	101.18	111.80
1	AA	342	ASP	CB-CG-OD2	-5.05	113.75	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	F4	107	ASP	CB-CG-OD1	5.05	122.85	118.30
27	b7	276	LYS	C-N-CA	-5.05	109.07	121.70
27	Y7	162	GLU	CA-CB-CG	5.05	124.50	113.40
3	lD	69	PRO	CB-CA-C	-5.05	99.38	112.00
2	F9	90	LEU	CB-CG-CD2	-5.05	102.42	111.00
30	Y3	38	PHE	O-C-N	-5.04	111.52	121.10
27	b7	162	GLU	CA-CB-CG	5.04	124.48	113.40
2	V2	67	ILE	CG1-CB-CG2	-5.03	100.34	111.40
2	J7	177	SER	N-CA-CB	5.03	118.04	110.50
30	53	34	PHE	O-C-N	-5.03	111.55	121.10
3	GF	137	ARG	CG-CD-NE	-5.03	101.25	111.80
2	OG	83	LEU	CA-CB-CG	5.03	126.86	115.30
24	63	656	LEU	CB-CG-CD1	-5.03	102.46	111.00
2	H8	39	ASP	CB-CG-OD2	5.03	122.82	118.30
2	P2	170	ASP	CB-CG-OD1	5.02	122.82	118.30
28	z8	379	GLU	C-N-CA	-5.02	109.14	121.70
2	HF	39	ASP	CB-CG-OD2	5.02	122.82	118.30
2	WJ	83	LEU	CA-CB-CG	5.02	126.85	115.30
2	k2	50	CYS	CA-CB-SG	5.02	123.03	114.00
2	RA	33	ASP	CB-CG-OD1	5.01	122.81	118.30
3	AK	122	LEU	CA-CB-CG	5.01	126.83	115.30
2	W5	83	LEU	CA-CB-CG	5.01	126.83	115.30
2	kC	50	CYS	CA-CB-SG	5.01	123.02	114.00
3	EF	78	LYS	CD-CE-NZ	5.01	123.22	111.70
14	Z9	264	ARG	NE-CZ-NH1	-5.01	117.80	120.30
2	bF	39	ASP	CB-CG-OD2	5.01	122.81	118.30
2	kB	149	ARG	O-C-N	5.00	130.71	122.70
2	VH	90	LEU	CA-CB-CG	5.00	126.80	115.30
3	A1	122	LEU	CA-CB-CG	5.00	126.80	115.30

There are no chirality outliers.

All (253) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
16	23	106	GLN	Peptide
16	23	140	SER	Peptide
17	33	47	ARG	Peptide
30	53	17	PHE	Mainchain
30	53	42	ALA	Mainchain
30	53	7	GLY	Peptide
24	63	208	GLU	Peptide
24	63	209	ASN	Peptide

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Mol	Chain	Res	Type	Group
24	63	79	GLY	Peptide
24	63	94	GLU	Peptide
24	63	98	ALA	Peptide
24	73	123	GLN	Peptide
24	73	138	VAL	Peptide
24	73	454	PHE	Peptide
24	73	46	PHE	Peptide
24	73	94	GLU	Peptide
3	A9	21	ASN	Peptide
3	A9	43	LYS	Peptide
1	AA	371	SER	Mainchain
1	AA	388	SER	Mainchain
1	AA	408	LEU	Mainchain
1	AA	409	ARG	Mainchain
1	AA	416	ASP	Mainchain
1	AA	417	PHE	Mainchain
1	AA	420	ARG	Mainchain
1	AA	422	MET	Mainchain
3	AI	38	LEU	Peptide
7	B2	29	TYR	Peptide
20	B3	71	MEN	Mainchain
7	B6	193	ALA	Mainchain
7	B6	210	GLU	Mainchain
7	BB	193	ALA	Mainchain
7	BC	29	TYR	Peptide
7	BD	222	LEU	Mainchain
7	BE	167	ILE	Mainchain
7	BE	202	PRO	Mainchain
7	BE	220	LEU	Mainchain
7	BE	227	GLU	Mainchain
3	C9	21	ASN	Peptide
3	C9	43	LYS	Peptide
3	CI	38	LEU	Peptide
20	D3	71	MEN	Mainchain
9	D6	33	GLU	Peptide
9	D6	74	TYR	Peptide
2	D8	171	ARG	Mainchain
9	DB	33	GLU	Peptide
9	DB	74	TYR	Peptide
3	E8	71	GLU	Peptide
3	E9	21	ASN	Peptide
3	E9	43	LYS	Peptide

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Mol	Chain	Res	Type	Group
1	EA	346	GLY	Mainchain
1	EA	374	PHE	Peptide
1	EA	417	PHE	Mainchain
3	EF	71	GLU	Peptide
3	EI	38	LEU	Peptide
20	F3	71	MEN	Mainchain
2	F9	157	ASP	Peptide
2	FA	75	THR	Peptide
3	G9	21	ASN	Peptide
3	G9	43	LYS	Peptide
3	GI	38	LEU	Peptide
9	H2	150	ILE	Mainchain
9	H2	38	LEU	Peptide
20	H3	71	MEN	Mainchain
9	H6	74	TYR	Peptide
2	HA	5	PHE	Peptide
9	HB	74	TYR	Peptide
9	HC	149	PRO	Mainchain
9	HC	38	LEU	Peptide
3	I1	94	ASN	Peptide
20	I3	71	MEN	Mainchain
2	I5	39	ASP	Sidechain
3	I9	21	ASN	Peptide
3	I9	43	LYS	Peptide
2	IA	5	PHE	Mainchain
3	II	38	LEU	Peptide
2	IJ	39	ASP	Sidechain
3	IK	94	ASN	Peptide
9	J6	74	TYR	Peptide
2	J7	175	ALA	Mainchain
9	JB	74	TYR	Peptide
9	JE	148	THR	Mainchain
3	K9	21	ASN	Peptide
3	K9	43	LYS	Peptide
4	KA	159	ALA	Mainchain
3	KI	38	LEU	Peptide
20	L3	61	LEU	Mainchain
20	L3	63	SER	Mainchain
20	L3	71	MEN	Mainchain
9	L6	104	VAL	Mainchain
9	L6	74	TYR	Peptide
9	L6	96	ALA	Mainchain

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Mol	Chain	Res	Type	Group
9	LB	74	TYR	Peptide
9	LD	74	TYR	Peptide
9	LE	74	TYR	Peptide
3	M1	140	VAL	Peptide
20	M3	71	MEN	Mainchain
14	M9	110	CYS	Peptide
14	M9	249	GLN	Peptide
14	M9	255	LYS	Peptide
11	MG	115	ASP	Peptide
11	MG	199	ASN	Peptide
11	MG	233	ALA	Peptide
11	MG	272	ALA	Peptide
11	MG	273	GLY	Peptide
11	MG	59	GLU	Peptide
11	MG	83	MET	Peptide
11	MG	85	SER	Peptide
11	MG	87	LEU	Peptide
14	MI	166	LYS	Peptide
14	MI	185	THR	Peptide
14	MI	250	GLN	Peptide
14	MI	33	PRO	Mainchain
14	MI	36	ARG	Peptide
3	MK	140	VAL	Peptide
3	N9	21	ASN	Peptide
3	N9	43	LYS	Peptide
9	NE	74	TYR	Peptide
3	NI	38	LEU	Peptide
20	O3	69	GLY	Mainchain
2	O5	76	ASN	Peptide
2	O9	157	ASP	Peptide
2	OJ	76	ASN	Peptide
3	P9	21	ASN	Peptide
3	P9	43	LYS	Peptide
2	PA	75	THR	Peptide
3	PI	38	LEU	Peptide
20	Q3	71	MEN	Mainchain
2	QA	75	THR	Peptide
3	R9	21	ASN	Peptide
3	R9	43	LYS	Peptide
2	RA	75	THR	Peptide
3	RI	38	LEU	Peptide
20	S3	71	MEN	Mainchain

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Mol	Chain	Res	Type	Group
2	SI	115	GLU	Peptide
2	T8	39	ASP	Sidechain
3	T9	21	ASN	Peptide
3	T9	43	LYS	Peptide
2	TF	39	ASP	Sidechain
3	TI	38	LEU	Peptide
20	U3	71	MEN	Mainchain
2	U5	83	LEU	Peptide
4	UA	41	ALA	Mainchain
2	UJ	83	LEU	Peptide
2	V2	164	GLU	Mainchain
2	V2	27	LEU	Peptide
3	V9	21	ASN	Peptide
3	V9	43	LYS	Peptide
2	VC	27	LEU	Peptide
3	VI	38	LEU	Peptide
5	WA	278	PHE	Mainchain
5	WA	295	THR	Mainchain
5	WA	303	LYS	Peptide
3	X5	157	ASP	Peptide
3	X9	21	ASN	Peptide
3	X9	43	LYS	Peptide
2	XA	75	THR	Peptide
3	XI	38	LEU	Peptide
3	XJ	157	ASP	Peptide
30	Y3	17	ASP	Mainchain
30	Y3	43	MET	Mainchain
30	Y3	46	ALA	Mainchain
27	Y7	258	ILE	Peptide
27	Y7	382	LEU	Peptide
16	Z3	106	GLN	Peptide
16	Z3	140	SER	Peptide
14	Z9	110	CYS	Peptide
14	Z9	249	GLN	Peptide
14	Z9	255	LYS	Peptide
14	Z9	76	ARG	Mainchain
11	ZG	115	ASP	Peptide
11	ZG	199	ASN	Peptide
11	ZG	233	ALA	Peptide
11	ZG	272	ALA	Peptide
11	ZG	273	GLY	Peptide
11	ZG	287	VAL	Peptide

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Mol	Chain	Res	Type	Group
11	ZG	59	GLU	Peptide
11	ZG	83	MET	Peptide
11	ZG	85	SER	Peptide
11	ZG	87	LEU	Peptide
14	ZI	166	LYS	Peptide
14	ZI	185	THR	Peptide
14	ZI	250	GLN	Peptide
14	ZI	33	PRO	Mainchain
14	ZI	52	LEU	Mainchain,Peptide
17	a3	283	THR	Mainchain
17	a3	47	ARG	Peptide
2	aA	76	ASN	Peptide
25	b4	174	PRO	Peptide
27	b7	258	ILE	Peptide
27	b7	382	LEU	Peptide
27	b7	401	LYS	Peptide
25	bH	173	THR	Peptide
25	bH	232	ASP	Peptide
25	bH	242	TRP	Peptide
25	bH	311	GLU	Peptide
3	c8	122	LEU	Peptide
5	cA	290	VAL	Peptide
5	cA	303	LYS	Peptide
3	cF	122	LEU	Peptide
20	d3	71	MEN	Mainchain
2	dA	74	TYR	Peptide
3	f2	140	VAL	Peptide
3	f2	34	SER	Peptide
20	f3	71	MEN	Mainchain
3	fC	140	VAL	Peptide
3	fC	34	SER	Peptide
20	h3	71	MEN	Mainchain
20	j3	71	MEN	Mainchain
20	k3	71	MEN	Mainchain
2	kB	148	GLU	Mainchain
3	lD	75	ASN	Mainchain
3	lD	77	GLU	Mainchain
3	lD	79	ILE	Mainchain
3	lD	81	LYS	Mainchain
2	m2	147	THR	Peptide
3	m8	136	ASP	Peptide
3	m8	29	GLY	Peptide

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Mol	Chain	Res	Type	Group
2	mC	147	THR	Peptide
3	mF	136	ASP	Peptide
3	mF	29	GLY	Peptide
20	n3	59	SER	Mainchain
20	n3	60	LEU	Mainchain
20	n3	71	MEN	Mainchain
2	n8	158	CYS	Peptide
2	nF	158	CYS	Peptide
20	o3	71	MEN	Mainchain
19	r3	53	GLN	Mainchain
20	s3	65	ILE	Mainchain
20	s3	71	MEN	Mainchain
20	u3	71	MEN	Mainchain
20	w3	71	MEN	Mainchain
28	z8	214	GLY	Peptide
28	z8	217	ALA	Peptide
28	z8	243	SER	Peptide
28	z8	294	GLY	Mainchain
28	z8	295	LYS	Mainchain
28	zF	214	GLY	Peptide
28	zF	217	ALA	Peptide
28	zF	243	SER	Peptide
28	zF	281	SER	Mainchain
28	zF	333	TYR	Mainchain
28	zF	336	ASN	Mainchain
28	zF	343	GLN	Mainchain
28	zF	359	THR	Mainchain
28	zF	364	SER	Mainchain
28	zF	368	ALA	Mainchain
28	zF	370	ASP	Sidechain
28	zF	373	VAL	Mainchain
28	zF	378	LEU	Mainchain
28	zF	379	GLU	Sidechain
28	zF	389	GLN	Mainchain

5.2 Too-close contacts

Due to software issues we are unable to calculate clashes - this section is therefore empty.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	AA	101/138 (73%)	62 (61%)	30 (30%)	9 (9%)	1	4
1	EA	101/138 (73%)	68 (67%)	26 (26%)	7 (7%)	1	8
2	B1	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	B7	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	B8	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
2	B9	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	BA	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	BF	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
2	BG	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	BI	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	BK	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	C5	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	CA	174/177 (98%)	164 (94%)	7 (4%)	3 (2%)	9	35
2	CJ	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	D1	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	D4	177/177 (100%)	171 (97%)	6 (3%)	0	100	100
2	D7	174/177 (98%)	165 (95%)	9 (5%)	0	100	100
2	D8	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	D9	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	DA	143/177 (81%)	138 (96%)	5 (4%)	0	100	100
2	DF	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	DG	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	DH	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	DI	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	DK	174/177 (98%)	166 (95%)	8 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	E5	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	EJ	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	F1	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	F4	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	F7	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	F8	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	F9	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	FA	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	FF	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	FG	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	FH	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	FI	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	FK	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	G5	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	GA	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	GJ	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	H1	176/177 (99%)	165 (94%)	11 (6%)	0	100	100
2	H4	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	H7	176/177 (99%)	172 (98%)	4 (2%)	0	100	100
2	H8	177/177 (100%)	170 (96%)	7 (4%)	0	100	100
2	H9	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	HA	171/177 (97%)	158 (92%)	11 (6%)	2 (1%)	13	42
2	HF	177/177 (100%)	171 (97%)	6 (3%)	0	100	100
2	HG	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
2	HH	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	HI	176/177 (99%)	169 (96%)	7 (4%)	0	100	100
2	HK	176/177 (99%)	165 (94%)	11 (6%)	0	100	100
2	I5	176/177 (99%)	172 (98%)	4 (2%)	0	100	100
2	IA	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	IJ	176/177 (99%)	172 (98%)	4 (2%)	0	100	100
2	J1	174/177 (98%)	164 (94%)	10 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	J4	176/177 (99%)	173 (98%)	3 (2%)	0	100	100
2	J7	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	J8	177/177 (100%)	171 (97%)	6 (3%)	0	100	100
2	J9	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	JF	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	JG	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	JH	176/177 (99%)	173 (98%)	3 (2%)	0	100	100
2	JI	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	JK	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	K5	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	KJ	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	L1	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	L4	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	L7	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	L8	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	L9	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	LA	174/177 (98%)	167 (96%)	4 (2%)	3 (2%)	9	35
2	LF	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	LG	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	LH	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	LI	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	LK	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	M5	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	MA	174/177 (98%)	164 (94%)	9 (5%)	1 (1%)	25	57
2	MJ	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	N1	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	N4	177/177 (100%)	173 (98%)	3 (2%)	1 (1%)	25	57
2	N7	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	N8	177/177 (100%)	167 (94%)	10 (6%)	0	100	100
2	NA	143/177 (81%)	136 (95%)	7 (5%)	0	100	100
2	NF	177/177 (100%)	167 (94%)	10 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	NH	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	NK	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	O5	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	O9	174/177 (98%)	165 (95%)	9 (5%)	0	100	100
2	OA	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	OG	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	OI	174/177 (98%)	162 (93%)	12 (7%)	0	100	100
2	OJ	174/177 (98%)	165 (95%)	9 (5%)	0	100	100
2	P1	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	P2	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	P4	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	P6	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	P7	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	P8	177/177 (100%)	166 (94%)	11 (6%)	0	100	100
2	PA	174/177 (98%)	170 (98%)	3 (2%)	1 (1%)	25	57
2	PB	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	PC	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	PD	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	PE	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	PF	177/177 (100%)	166 (94%)	11 (6%)	0	100	100
2	PH	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	PK	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	Q5	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	Q9	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	QA	171/177 (97%)	159 (93%)	11 (6%)	1 (1%)	25	57
2	QG	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	QI	174/177 (98%)	165 (95%)	9 (5%)	0	100	100
2	QJ	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	R1	177/177 (100%)	170 (96%)	7 (4%)	0	100	100
2	R2	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	R4	175/177 (99%)	173 (99%)	2 (1%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	R6	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	R7	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	R8	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	RA	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	RB	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	RC	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	RD	174/177 (98%)	173 (99%)	1 (1%)	0	100	100
2	RE	174/177 (98%)	173 (99%)	1 (1%)	0	100	100
2	RF	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	RH	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
2	RK	177/177 (100%)	170 (96%)	7 (4%)	0	100	100
2	S5	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	S9	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	SA	174/177 (98%)	172 (99%)	2 (1%)	0	100	100
2	SG	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	SI	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	SJ	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	T1	177/177 (100%)	169 (96%)	8 (4%)	0	100	100
2	T2	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	T4	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	T6	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	T7	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	T8	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	TB	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	TC	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	TD	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	TE	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	TF	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	TH	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	TK	177/177 (100%)	169 (96%)	8 (4%)	0	100	100
2	U5	176/177 (99%)	163 (93%)	13 (7%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	U9	176/177 (99%)	167 (95%)	9 (5%)	0	100	100
2	UG	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
2	UI	176/177 (99%)	167 (95%)	9 (5%)	0	100	100
2	UJ	176/177 (99%)	163 (93%)	13 (7%)	0	100	100
2	V1	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	V2	176/177 (99%)	162 (92%)	12 (7%)	2 (1%)	14	45
2	V4	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	V6	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	V7	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	V8	176/177 (99%)	171 (97%)	5 (3%)	0	100	100
2	VA	174/177 (98%)	168 (97%)	5 (3%)	1 (1%)	25	57
2	VB	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	VC	175/177 (99%)	159 (91%)	14 (8%)	2 (1%)	14	45
2	VD	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	VE	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	VF	176/177 (99%)	171 (97%)	5 (3%)	0	100	100
2	VH	177/177 (100%)	175 (99%)	2 (1%)	0	100	100
2	VK	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	W5	174/177 (98%)	162 (93%)	12 (7%)	0	100	100
2	W9	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	WG	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	WI	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	WJ	174/177 (98%)	162 (93%)	12 (7%)	0	100	100
2	X1	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	X4	176/177 (99%)	172 (98%)	4 (2%)	0	100	100
2	X7	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	X8	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	XA	174/177 (98%)	167 (96%)	6 (3%)	1 (1%)	25	57
2	XF	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	XH	176/177 (99%)	172 (98%)	4 (2%)	0	100	100
2	XK	177/177 (100%)	172 (97%)	5 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	Y2	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	Y5	174/177 (98%)	161 (92%)	13 (8%)	0	100	100
2	Y6	174/177 (98%)	172 (99%)	2 (1%)	0	100	100
2	Y9	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	YA	174/177 (98%)	167 (96%)	5 (3%)	2 (1%)	14	45
2	YB	174/177 (98%)	168 (97%)	3 (2%)	3 (2%)	9	35
2	YC	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	YD	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	YE	174/177 (98%)	167 (96%)	7 (4%)	0	100	100
2	YG	174/177 (98%)	165 (95%)	9 (5%)	0	100	100
2	YI	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	YJ	174/177 (98%)	161 (92%)	13 (8%)	0	100	100
2	Z4	177/177 (100%)	175 (99%)	2 (1%)	0	100	100
2	Z8	177/177 (100%)	168 (95%)	8 (4%)	1 (1%)	25	57
2	ZA	149/177 (84%)	140 (94%)	9 (6%)	0	100	100
2	ZF	177/177 (100%)	168 (95%)	8 (4%)	1 (1%)	25	57
2	ZH	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	a2	174/177 (98%)	161 (92%)	13 (8%)	0	100	100
2	a6	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	aA	174/177 (98%)	170 (98%)	3 (2%)	1 (1%)	25	57
2	aB	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	aC	174/177 (98%)	160 (92%)	14 (8%)	0	100	100
2	aD	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	aE	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	b8	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	bA	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	bF	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	c2	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	c4	176/177 (99%)	172 (98%)	4 (2%)	0	100	100
2	c6	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	cB	174/177 (98%)	169 (97%)	5 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	cC	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	cD	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	cE	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	cH	176/177 (99%)	174 (99%)	2 (1%)	0	100	100
2	d8	176/177 (99%)	168 (96%)	7 (4%)	1 (1%)	25	57
2	dA	174/177 (98%)	168 (97%)	6 (3%)	0	100	100
2	dF	176/177 (99%)	169 (96%)	7 (4%)	0	100	100
2	e2	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	e4	177/177 (100%)	177 (100%)	0	0	100	100
2	e6	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	eA	174/177 (98%)	173 (99%)	1 (1%)	0	100	100
2	eB	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	eC	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	eD	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	eE	174/177 (98%)	166 (95%)	8 (5%)	0	100	100
2	eH	177/177 (100%)	176 (99%)	1 (1%)	0	100	100
2	f8	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	fF	176/177 (99%)	170 (97%)	6 (3%)	0	100	100
2	g2	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	g4	177/177 (100%)	175 (99%)	2 (1%)	0	100	100
2	g6	174/177 (98%)	163 (94%)	11 (6%)	0	100	100
2	gA	149/177 (84%)	133 (89%)	14 (9%)	2 (1%)	12	40
2	gB	174/177 (98%)	162 (93%)	12 (7%)	0	100	100
2	gC	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	gD	174/177 (98%)	169 (97%)	5 (3%)	0	100	100
2	gE	174/177 (98%)	170 (98%)	4 (2%)	0	100	100
2	gH	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	h8	177/177 (100%)	170 (96%)	7 (4%)	0	100	100
2	hF	177/177 (100%)	170 (96%)	7 (4%)	0	100	100
2	i2	176/177 (99%)	174 (99%)	2 (1%)	0	100	100
2	i4	177/177 (100%)	174 (98%)	3 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	i6	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
2	iB	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
2	iC	176/177 (99%)	174 (99%)	2 (1%)	0	100	100
2	iD	176/177 (99%)	161 (92%)	15 (8%)	0	100	100
2	iE	176/177 (99%)	161 (92%)	15 (8%)	0	100	100
2	iH	177/177 (100%)	174 (98%)	3 (2%)	0	100	100
2	j8	177/177 (100%)	173 (98%)	4 (2%)	0	100	100
2	jF	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	k2	174/177 (98%)	160 (92%)	14 (8%)	0	100	100
2	k4	177/177 (100%)	175 (99%)	2 (1%)	0	100	100
2	k6	174/177 (98%)	162 (93%)	11 (6%)	1 (1%)	25	57
2	kB	174/177 (98%)	163 (94%)	8 (5%)	3 (2%)	9	35
2	kC	174/177 (98%)	160 (92%)	14 (8%)	0	100	100
2	kD	174/177 (98%)	169 (97%)	4 (2%)	1 (1%)	25	57
2	kE	174/177 (98%)	171 (98%)	3 (2%)	0	100	100
2	kH	177/177 (100%)	172 (97%)	5 (3%)	0	100	100
2	l8	177/177 (100%)	160 (90%)	17 (10%)	0	100	100
2	lF	177/177 (100%)	160 (90%)	17 (10%)	0	100	100
2	m2	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	m4	177/177 (100%)	175 (99%)	2 (1%)	0	100	100
2	m6	174/177 (98%)	173 (99%)	1 (1%)	0	100	100
2	mB	174/177 (98%)	173 (99%)	1 (1%)	0	100	100
2	mC	174/177 (98%)	164 (94%)	10 (6%)	0	100	100
2	mD	174/177 (98%)	161 (92%)	13 (8%)	0	100	100
2	mE	174/177 (98%)	161 (92%)	13 (8%)	0	100	100
2	mH	177/177 (100%)	170 (96%)	7 (4%)	0	100	100
2	n8	177/177 (100%)	164 (93%)	13 (7%)	0	100	100
2	nF	177/177 (100%)	164 (93%)	13 (7%)	0	100	100
2	p8	177/177 (100%)	169 (96%)	8 (4%)	0	100	100
2	pF	177/177 (100%)	169 (96%)	8 (4%)	0	100	100
2	r8	177/177 (100%)	169 (96%)	8 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	rF	177/177 (100%)	170 (96%)	7 (4%)	0	100	100
2	t8	176/177 (99%)	163 (93%)	13 (7%)	0	100	100
2	tF	176/177 (99%)	163 (93%)	13 (7%)	0	100	100
2	v8	177/177 (100%)	166 (94%)	11 (6%)	0	100	100
2	vF	177/177 (100%)	166 (94%)	11 (6%)	0	100	100
3	A1	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	A7	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	A8	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	A9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	AF	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	AG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	AI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	AK	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	B5	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	BJ	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	C1	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	C4	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	C7	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	C8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	C9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	CF	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	CG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	CH	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	CI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	CK	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	D5	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	DJ	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	E1	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	E4	162/164 (99%)	159 (98%)	3 (2%)	0	100	100
3	E7	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	E8	162/164 (99%)	151 (93%)	11 (7%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	E9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	EF	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	EG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	EH	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	EI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	EK	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	F5	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	FJ	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	G1	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	G4	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	G7	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	G8	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	G9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	GF	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	GG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	GH	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	GI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	GK	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	H5	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
3	HJ	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
3	I1	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	I4	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	I7	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	I8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	I9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	IF	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	IG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	IH	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	II	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	IK	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	J5	162/164 (99%)	155 (96%)	7 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	JA	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	JJ	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	K1	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	K4	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	K7	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	K8	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	K9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	KF	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	KG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	KH	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	KI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	KK	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	L5	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	LJ	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	M1	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	M4	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	M7	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	M8	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	MF	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	MH	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	MK	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	N5	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	N9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	NG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	NI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	NJ	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	O1	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	O2	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	O4	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	O6	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	O7	162/164 (99%)	153 (94%)	9 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	O8	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	OB	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	OC	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	OD	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	OE	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	OF	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	OH	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	OK	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	P5	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	P9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	PG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	PI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	PJ	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	Q1	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	Q2	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	Q4	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	Q6	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	Q7	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	Q8	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	QB	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	QC	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	QD	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	QE	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	QF	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	QH	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	QK	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	R5	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	R9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	RG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	RI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	RJ	162/164 (99%)	151 (93%)	11 (7%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	S1	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	S2	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	S4	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	S6	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	S7	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	S8	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	SB	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	SC	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	SD	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	SE	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	SF	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	SH	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	SK	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	T5	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	T9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	TA	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	TG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	TI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	TJ	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	U1	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	U2	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	U4	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	U6	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	U7	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	U8	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	UB	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	UC	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	UD	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	UE	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	UF	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	UH	162/164 (99%)	158 (98%)	4 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	UK	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	V5	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	V9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	VG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	VI	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	VJ	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	W1	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	W2	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	W4	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	W6	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	W7	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	57
3	W8	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	WB	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	WC	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	WD	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	WE	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	WF	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	WH	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	WK	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	X5	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	X9	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	XG	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	XI	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	XJ	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	Y4	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	Y8	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	YF	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	YH	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	Z2	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	Z6	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	ZB	162/164 (99%)	153 (94%)	9 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	ZC	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	ZD	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	ZE	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	a4	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	a8	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
3	aF	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
3	aH	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	b2	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	b6	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	bB	162/164 (99%)	159 (98%)	3 (2%)	0	100	100
3	bC	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	bD	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	57
3	bE	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	c8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	cF	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	d2	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	d4	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
3	d6	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	dB	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	dC	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
3	dD	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	dE	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	dH	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	e8	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	eF	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	f2	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	f4	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	f6	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	fB	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
3	fC	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	fD	162/164 (99%)	151 (93%)	11 (7%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	fE	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
3	fH	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	g8	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	gF	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	h2	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	h4	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
3	h6	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	hB	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	hC	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	hD	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	hE	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	hH	162/164 (99%)	158 (98%)	4 (2%)	0	100	100
3	i8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	iF	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	j2	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	j4	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	j6	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	jB	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	jC	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	jD	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	jE	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	jH	162/164 (99%)	159 (98%)	3 (2%)	0	100	100
3	k8	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	kF	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
3	l2	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
3	l4	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	l6	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	57
3	lB	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	lC	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
3	lD	162/164 (99%)	142 (88%)	14 (9%)	6 (4%)	3	20
3	lE	162/164 (99%)	155 (96%)	7 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	lH	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
3	m8	162/164 (99%)	144 (89%)	18 (11%)	0	100	100
3	mF	162/164 (99%)	143 (88%)	19 (12%)	0	100	100
3	o8	162/164 (99%)	144 (89%)	18 (11%)	0	100	100
3	oF	162/164 (99%)	144 (89%)	18 (11%)	0	100	100
3	q8	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	qF	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
3	s8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	sF	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
3	u8	162/164 (99%)	146 (90%)	16 (10%)	0	100	100
3	uF	162/164 (99%)	146 (90%)	16 (10%)	0	100	100
4	KA	224/261 (86%)	193 (86%)	24 (11%)	7 (3%)	4	23
4	UA	224/261 (86%)	198 (88%)	20 (9%)	6 (3%)	5	26
5	WA	137/317 (43%)	102 (74%)	28 (20%)	7 (5%)	2	13
5	cA	137/317 (43%)	104 (76%)	24 (18%)	9 (7%)	1	8
6	A2	255/290 (88%)	237 (93%)	18 (7%)	0	100	100
6	A5	254/290 (88%)	232 (91%)	22 (9%)	0	100	100
6	A6	255/290 (88%)	239 (94%)	16 (6%)	0	100	100
6	AB	255/290 (88%)	239 (94%)	16 (6%)	0	100	100
6	AC	255/290 (88%)	237 (93%)	18 (7%)	0	100	100
6	AD	255/290 (88%)	236 (92%)	19 (8%)	0	100	100
6	AE	255/290 (88%)	234 (92%)	21 (8%)	0	100	100
6	AJ	254/290 (88%)	231 (91%)	23 (9%)	0	100	100
6	Y1	235/290 (81%)	216 (92%)	19 (8%)	0	100	100
6	YK	235/290 (81%)	216 (92%)	19 (8%)	0	100	100
7	B2	225/232 (97%)	202 (90%)	22 (10%)	1 (0%)	34	66
7	B6	228/232 (98%)	206 (90%)	19 (8%)	3 (1%)	12	40
7	BB	228/232 (98%)	197 (86%)	22 (10%)	9 (4%)	3	18
7	BC	225/232 (97%)	202 (90%)	22 (10%)	1 (0%)	34	66
7	BD	229/232 (99%)	208 (91%)	19 (8%)	2 (1%)	17	48
7	BE	229/232 (99%)	202 (88%)	20 (9%)	7 (3%)	4	23

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
8	C2	160/162 (99%)	154 (96%)	6 (4%)	0	100	100
8	C6	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	CB	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	CC	160/162 (99%)	155 (97%)	5 (3%)	0	100	100
8	CD	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	CE	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	E2	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	E6	160/162 (99%)	158 (99%)	2 (1%)	0	100	100
8	EB	160/162 (99%)	158 (99%)	2 (1%)	0	100	100
8	EC	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	ED	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	EE	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	G2	160/162 (99%)	153 (96%)	7 (4%)	0	100	100
8	G6	160/162 (99%)	159 (99%)	1 (1%)	0	100	100
8	GB	160/162 (99%)	159 (99%)	1 (1%)	0	100	100
8	GC	160/162 (99%)	153 (96%)	7 (4%)	0	100	100
8	GD	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	GE	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	I2	160/162 (99%)	155 (97%)	5 (3%)	0	100	100
8	I6	160/162 (99%)	159 (99%)	1 (1%)	0	100	100
8	IB	160/162 (99%)	159 (99%)	1 (1%)	0	100	100
8	IC	160/162 (99%)	155 (97%)	5 (3%)	0	100	100
8	ID	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	IE	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	K2	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	K6	160/162 (99%)	158 (99%)	2 (1%)	0	100	100
8	KB	160/162 (99%)	158 (99%)	2 (1%)	0	100	100
8	KC	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	KD	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	KE	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
8	M2	160/162 (99%)	152 (95%)	8 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
8	M6	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	MB	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	MC	160/162 (99%)	152 (95%)	8 (5%)	0	100	100
8	MD	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
8	ME	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
9	D2	169/172 (98%)	158 (94%)	11 (6%)	0	100	100
9	D6	169/172 (98%)	163 (96%)	6 (4%)	0	100	100
9	DB	169/172 (98%)	164 (97%)	5 (3%)	0	100	100
9	DC	169/172 (98%)	158 (94%)	11 (6%)	0	100	100
9	DD	169/172 (98%)	165 (98%)	3 (2%)	1 (1%)	25	57
9	DE	169/172 (98%)	165 (98%)	3 (2%)	1 (1%)	25	57
9	F2	169/172 (98%)	163 (96%)	6 (4%)	0	100	100
9	F6	169/172 (98%)	158 (94%)	9 (5%)	2 (1%)	13	42
9	FB	169/172 (98%)	158 (94%)	9 (5%)	2 (1%)	13	42
9	FC	169/172 (98%)	163 (96%)	6 (4%)	0	100	100
9	FD	169/172 (98%)	166 (98%)	3 (2%)	0	100	100
9	FE	169/172 (98%)	165 (98%)	4 (2%)	0	100	100
9	H2	169/172 (98%)	159 (94%)	9 (5%)	1 (1%)	25	57
9	H6	169/172 (98%)	161 (95%)	8 (5%)	0	100	100
9	HB	169/172 (98%)	161 (95%)	8 (5%)	0	100	100
9	HC	169/172 (98%)	162 (96%)	6 (4%)	1 (1%)	25	57
9	HD	169/172 (98%)	161 (95%)	7 (4%)	1 (1%)	25	57
9	HE	169/172 (98%)	161 (95%)	7 (4%)	1 (1%)	25	57
9	J2	169/172 (98%)	164 (97%)	4 (2%)	1 (1%)	25	57
9	J6	169/172 (98%)	160 (95%)	9 (5%)	0	100	100
9	JB	169/172 (98%)	160 (95%)	9 (5%)	0	100	100
9	JC	169/172 (98%)	160 (95%)	5 (3%)	4 (2%)	6	28
9	JD	169/172 (98%)	164 (97%)	3 (2%)	2 (1%)	13	42
9	JE	169/172 (98%)	165 (98%)	2 (1%)	2 (1%)	13	42
9	L2	169/172 (98%)	164 (97%)	5 (3%)	0	100	100
9	L6	169/172 (98%)	161 (95%)	7 (4%)	1 (1%)	25	57

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
9	LB	169/172 (98%)	161 (95%)	8 (5%)	0	100	100
9	LC	169/172 (98%)	163 (96%)	6 (4%)	0	100	100
9	LD	169/172 (98%)	164 (97%)	5 (3%)	0	100	100
9	LE	169/172 (98%)	164 (97%)	5 (3%)	0	100	100
9	N2	169/172 (98%)	163 (96%)	6 (4%)	0	100	100
9	N6	169/172 (98%)	159 (94%)	7 (4%)	3 (2%)	8	35
9	NB	169/172 (98%)	158 (94%)	8 (5%)	3 (2%)	8	35
9	NC	169/172 (98%)	163 (96%)	6 (4%)	0	100	100
9	ND	169/172 (98%)	165 (98%)	3 (2%)	1 (1%)	25	57
9	NE	169/172 (98%)	165 (98%)	4 (2%)	0	100	100
10	X2	322/363 (89%)	295 (92%)	27 (8%)	0	100	100
10	X6	322/363 (89%)	291 (90%)	31 (10%)	0	100	100
10	XB	322/363 (89%)	290 (90%)	32 (10%)	0	100	100
10	XC	322/363 (89%)	295 (92%)	27 (8%)	0	100	100
10	XD	322/363 (89%)	284 (88%)	38 (12%)	0	100	100
10	XE	322/363 (89%)	282 (88%)	40 (12%)	0	100	100
11	MG	263/316 (83%)	206 (78%)	52 (20%)	5 (2%)	8	34
11	ZG	263/316 (83%)	205 (78%)	56 (21%)	2 (1%)	19	51
12	A4	236/273 (86%)	226 (96%)	9 (4%)	1 (0%)	34	66
12	AH	236/273 (86%)	220 (93%)	15 (6%)	1 (0%)	34	66
12	w8	236/273 (86%)	223 (94%)	13 (6%)	0	100	100
12	wF	236/273 (86%)	223 (94%)	13 (6%)	0	100	100
12	x8	236/273 (86%)	221 (94%)	15 (6%)	0	100	100
12	xF	236/273 (86%)	221 (94%)	15 (6%)	0	100	100
13	B4	248/290 (86%)	240 (97%)	8 (3%)	0	100	100
13	BH	248/290 (86%)	241 (97%)	7 (3%)	0	100	100
13	y8	248/290 (86%)	237 (96%)	11 (4%)	0	100	100
13	yF	248/290 (86%)	237 (96%)	11 (4%)	0	100	100
14	M9	236/333 (71%)	210 (89%)	23 (10%)	3 (1%)	12	40
14	MI	273/333 (82%)	238 (87%)	23 (8%)	12 (4%)	2	16
14	Z9	236/333 (71%)	206 (87%)	25 (11%)	5 (2%)	7	31

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
14	ZI	273/333 (82%)	234 (86%)	27 (10%)	12 (4%)	2	16
15	e1	246/303 (81%)	222 (90%)	24 (10%)	0	100	100
15	eK	246/303 (81%)	222 (90%)	24 (10%)	0	100	100
16	23	130/159 (82%)	111 (85%)	18 (14%)	1 (1%)	19	51
16	Z3	130/159 (82%)	113 (87%)	17 (13%)	0	100	100
17	33	251/288 (87%)	234 (93%)	16 (6%)	1 (0%)	34	66
17	a3	251/288 (87%)	235 (94%)	15 (6%)	1 (0%)	34	66
18	43	204/253 (81%)	178 (87%)	25 (12%)	1 (0%)	29	61
18	b3	204/253 (81%)	180 (88%)	23 (11%)	1 (0%)	29	61
19	A3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	C3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	E3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	G3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	J3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	K3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	N3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	P3	158/161 (98%)	151 (96%)	6 (4%)	1 (1%)	25	57
19	R3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	T3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	c3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	e3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	g3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	i3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	l3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	m3	158/161 (98%)	152 (96%)	5 (3%)	1 (1%)	25	57
19	p3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	r3	158/161 (98%)	145 (92%)	10 (6%)	3 (2%)	8	34
19	t3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
19	v3	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
20	B3	158/161 (98%)	151 (96%)	7 (4%)	0	100	100
20	D3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
20	F3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	H3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	I3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	L3	158/161 (98%)	149 (94%)	8 (5%)	1 (1%)	25	57
20	M3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	O3	158/161 (98%)	150 (95%)	6 (4%)	2 (1%)	12	40
20	Q3	158/161 (98%)	150 (95%)	8 (5%)	0	100	100
20	S3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	U3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	d3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	f3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	h3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	j3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	k3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	n3	158/161 (98%)	143 (90%)	12 (8%)	3 (2%)	8	34
20	o3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	q3	158/161 (98%)	152 (96%)	5 (3%)	1 (1%)	25	57
20	s3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	u3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
20	w3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
21	V3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
21	x3	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
22	W3	171/173 (99%)	161 (94%)	10 (6%)	0	100	100
22	y3	171/173 (99%)	160 (94%)	11 (6%)	0	100	100
23	X3	90/93 (97%)	84 (93%)	6 (7%)	0	100	100
23	z3	90/93 (97%)	84 (93%)	6 (7%)	0	100	100
24	63	864/879 (98%)	788 (91%)	74 (9%)	2 (0%)	47	77
24	73	861/879 (98%)	779 (90%)	77 (9%)	5 (1%)	25	57
25	b4	403/490 (82%)	349 (87%)	52 (13%)	2 (0%)	29	61
25	bH	405/490 (83%)	353 (87%)	52 (13%)	0	100	100
26	d5	283/333 (85%)	250 (88%)	32 (11%)	1 (0%)	34	66

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
26	dJ	283/333 (85%)	250 (88%)	32 (11%)	1 (0%)	34	66
27	Y7	370/420 (88%)	313 (85%)	48 (13%)	9 (2%)	6	28
27	b7	370/420 (88%)	315 (85%)	49 (13%)	6 (2%)	9	36
28	z8	461/498 (93%)	378 (82%)	54 (12%)	29 (6%)	1	9
28	zF	460/498 (92%)	346 (75%)	72 (16%)	42 (9%)	1	4
29	fA	283/288 (98%)	258 (91%)	21 (7%)	4 (1%)	11	38
29	hA	283/288 (98%)	262 (93%)	21 (7%)	0	100	100
30	53	55/162 (34%)	34 (62%)	14 (26%)	7 (13%)	0	1
30	Y3	59/162 (36%)	27 (46%)	12 (20%)	20 (34%)	0	0
All	All	126453/130958 (97%)	119494 (94%)	6635 (5%)	324 (0%)	44	71

All (324) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	AA	373	LYS
1	AA	415	PRO
2	CA	15	LYS
1	EA	373	LYS
1	EA	396	MET
4	KA	123	LYS
4	KA	124	THR
4	KA	163	GLY
4	KA	193	GLU
2	LA	78	ARG
4	UA	119	ALA
4	UA	123	LYS
4	UA	124	THR
4	UA	165	LYS
5	WA	281	PRO
5	WA	285	VAL
5	WA	296	GLY
7	BB	194	ALA
7	BB	203	ILE
7	BB	210	GLU
7	BB	215	ALA
7	BB	228	MET
9	NB	68	GLN
9	NB	75	THR
2	YB	157	ASP

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Mol	Chain	Res	Type
2	YB	158	CYS
9	JC	14	ALA
2	VC	163	SER
7	BD	223	ASN
7	BD	225	VAL
7	BE	174	GLU
7	BE	208	PRO
7	BE	224	MET
7	BE	227	GLU
11	MG	298	ALA
11	MG	308	ILE
11	MG	309	PRO
14	MI	37	GLN
14	MI	40	PRO
14	MI	42	PRO
14	MI	63	PHE
14	MI	113	GLU
14	ZI	34	MET
14	ZI	39	GLN
14	ZI	42	PRO
14	ZI	51	ASN
14	ZI	52	LEU
14	ZI	113	GLU
16	23	122	LYS
18	43	47	ALA
20	L3	64	ASP
20	O3	72	MET
19	P3	146	ALA
18	b3	48	TYR
19	m3	78	THR
20	n3	61	LEU
20	n3	62	TYR
20	n3	64	ASP
19	r3	52	LYS
19	r3	53	GLN
24	73	137	VAL
24	73	138	VAL
9	L6	102	SER
9	N6	68	GLN
9	N6	75	THR
9	N6	76	SER
7	B6	194	ALA

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Mol	Chain	Res	Type
2	k6	147	THR
3	l6	145	SER
27	b7	311	VAL
27	b7	366	MET
27	b7	368	TYR
3	W7	58	ALA
27	Y7	329	TYR
27	Y7	332	VAL
27	Y7	362	THR
27	Y7	365	TRP
28	z8	31	GLY
28	z8	404	THR
28	z8	406	LEU
28	z8	415	TYR
28	z8	418	PRO
28	z8	423	LYS
28	z8	445	LYS
28	z8	467	GLU
28	z8	478	TYR
28	z8	483	PRO
28	z8	488	PRO
14	M9	226	ASP
14	Z9	76	ARG
14	Z9	77	LEU
14	Z9	83	LYS
14	Z9	226	ASP
29	fA	107	GLY
29	fA	109	ALA
29	fA	180	LEU
5	cA	280	VAL
5	cA	281	PRO
5	cA	289	MET
5	cA	291	THR
5	cA	293	PRO
5	cA	294	THR
2	gA	29	SER
2	gA	103	SER
2	kB	146	ALA
2	kB	150	LYS
3	bD	64	ALA
2	kD	130	ALA
3	lD	75	ASN

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Mol	Chain	Res	Type
3	ID	76	GLN
28	zF	31	GLY
28	zF	335	LYS
28	zF	344	PHE
28	zF	404	THR
28	zF	419	PRO
28	zF	427	PRO
28	zF	428	GLU
28	zF	435	ILE
28	zF	444	ILE
28	zF	447	THR
28	zF	450	ARG
28	zF	461	GLU
28	zF	462	LYS
28	zF	463	PRO
28	zF	468	GLU
28	zF	470	GLY
28	zF	471	PRO
28	zF	477	LEU
28	zF	478	TYR
28	zF	483	PRO
30	Y3	5	LYS
30	Y3	9	ALA
30	Y3	12	ASN
30	Y3	15	ASN
30	Y3	21	PHE
30	Y3	28	LEU
30	Y3	43	MET
30	Y3	44	PRO
30	Y3	47	ASN
30	53	15	PRO
30	53	25	ALA
30	53	39	MET
30	53	43	ASN
1	AA	329	PRO
1	AA	411	TYR
1	AA	416	ASP
1	AA	420	ARG
2	CA	14	ALA
1	EA	390	ASP
1	EA	392	ARG
1	EA	413	PRO

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Mol	Chain	Res	Type
2	HA	15	LYS
4	KA	167	ASN
4	KA	194	PRO
4	KA	203	GLN
2	LA	76	ASN
2	VA	76	ASN
7	BB	227	GLU
9	FB	76	SER
2	VC	175	ALA
9	DD	76	SER
9	HD	76	SER
9	JD	76	SER
7	BE	210	GLU
9	DE	76	SER
9	HE	76	SER
9	JE	76	SER
2	ZF	73	CYS
14	MI	51	ASN
14	ZI	53	GLY
14	ZI	62	LYS
2	V2	175	ALA
20	O3	70	GLY
20	q3	72	MET
24	63	210	SER
24	73	123	GLN
9	F6	76	SER
7	B6	208	PRO
27	Y7	330	VAL
27	Y7	366	MET
27	Y7	370	PRO
2	Z8	73	CYS
28	z8	35	ALA
28	z8	39	SER
28	z8	405	SER
28	z8	479	GLU
14	M9	76	ARG
3	lD	69	PRO
3	lD	77	GLU
28	zF	35	ALA
28	zF	39	SER
28	zF	368	ALA
28	zF	372	GLY

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Mol	Chain	Res	Type
28	zF	429	PRO
28	zF	437	ILE
28	zF	441	ASP
30	Y3	10	VAL
30	Y3	11	GLY
30	Y3	20	SER
30	Y3	29	ALA
1	AA	417	PHE
1	EA	415	PRO
2	PA	76	ASN
5	WA	284	ASP
5	WA	289	MET
9	HC	17	GLU
9	JC	15	ARG
11	ZG	307	PRO
12	AH	156	PRO
14	MI	34	MET
14	MI	43	PRO
14	ZI	40	PRO
14	ZI	43	PRO
14	ZI	67	LEU
17	33	60	ALA
19	r3	37	LEU
24	63	99	ASP
24	73	136	SER
24	73	518	ALA
25	b4	64	GLU
25	b4	311	GLU
26	d5	282	LYS
28	z8	30	SER
28	z8	407	LEU
28	z8	408	GLN
5	cA	297	ARG
2	kB	148	GLU
28	zF	30	SER
28	zF	341	ALA
28	zF	397	ALA
28	zF	420	VAL
28	zF	421	ILE
28	zF	422	ALA
28	zF	476	ASP
26	dJ	282	LYS

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Mol	Chain	Res	Type
30	Y3	6	VAL
30	Y3	8	ALA
1	EA	418	LEU
2	HA	76	ASN
2	MA	75	THR
2	QA	15	LYS
4	UA	122	LYS
2	YA	75	THR
9	NB	76	SER
2	YB	155	ALA
9	JC	29	LYS
9	ND	75	THR
14	MI	33	PRO
14	MI	36	ARG
9	H2	19	LEU
2	V2	174	ALA
17	a3	60	ALA
7	B6	224	MET
27	b7	353	LYS
27	b7	370	PRO
28	z8	430	VAL
28	z8	435	ILE
28	z8	484	MET
14	M9	75	LEU
14	Z9	82	ARG
3	ID	74	GLU
28	zF	409	ALA
28	zF	442	LYS
28	zF	445	LYS
28	zF	455	ARG
28	zF	458	LYS
30	Y3	7	ARG
30	Y3	34	ASP
2	LA	75	THR
4	UA	210	ILE
5	WA	292	ASP
2	XA	75	THR
7	BB	202	PRO
7	BC	201	SER
9	JC	13	ASP
9	JD	75	THR
7	BE	168	PRO

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Mol	Chain	Res	Type
7	BE	203	ILE
9	JE	75	THR
14	MI	62	LYS
7	B2	201	SER
9	J2	22	THR
27	Y7	331	SER
28	z8	29	SER
28	z8	421	ILE
28	z8	463	PRO
28	z8	485	LYS
29	fA	220	TYR
5	cA	279	PRO
28	zF	29	SER
30	Y3	33	ALA
30	53	26	ASP
1	AA	414	PHE
2	CA	76	ASN
2	YA	115	GLU
9	FB	75	THR
11	MG	50	GLU
14	ZI	59	PRO
12	A4	156	PRO
9	F6	75	THR
27	b7	274	VAL
2	d8	63	ASN
28	z8	427	PRO
2	aA	75	THR
3	lD	71	GLU
5	WA	290	VAL
14	MI	59	PRO
2	N4	131	VAL
28	zF	36	VAL
30	53	41	GLY
1	AA	398	GLY
7	BB	208	PRO
28	z8	36	VAL
28	zF	416	VAL
30	Y3	45	GLY
28	z8	448	VAL
30	Y3	39	PRO
30	53	35	PRO
7	BB	230	PRO

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Mol	Chain	Res	Type
11	MG	274	VAL
11	ZG	274	VAL
27	Y7	311	VAL
28	z8	482	LYS
5	cA	185	VAL

5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	AA	79/109 (72%)	70 (89%)	9 (11%)	5	22
1	EA	80/109 (73%)	69 (86%)	11 (14%)	3	16
2	B1	137/137 (100%)	133 (97%)	4 (3%)	42	69
2	B7	137/137 (100%)	137 (100%)	0	100	100
2	B8	138/137 (101%)	138 (100%)	0	100	100
2	B9	137/137 (100%)	137 (100%)	0	100	100
2	BA	137/137 (100%)	133 (97%)	4 (3%)	42	69
2	BF	138/137 (101%)	138 (100%)	0	100	100
2	BG	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	BI	136/137 (99%)	136 (100%)	0	100	100
2	BK	137/137 (100%)	133 (97%)	4 (3%)	42	69
2	C5	137/137 (100%)	137 (100%)	0	100	100
2	CA	137/137 (100%)	133 (97%)	4 (3%)	42	69
2	CJ	137/137 (100%)	137 (100%)	0	100	100
2	D1	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	D4	140/137 (102%)	137 (98%)	3 (2%)	53	75
2	D7	137/137 (100%)	137 (100%)	0	100	100
2	D8	140/137 (102%)	135 (96%)	5 (4%)	35	63
2	D9	137/137 (100%)	137 (100%)	0	100	100
2	DA	113/137 (82%)	108 (96%)	5 (4%)	28	59

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	DF	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	DG	137/137 (100%)	137 (100%)	0	100	100
2	DH	140/137 (102%)	140 (100%)	0	100	100
2	DI	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	DK	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	E5	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	EJ	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	F1	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	F4	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	F7	137/137 (100%)	137 (100%)	0	100	100
2	F8	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	F9	137/137 (100%)	137 (100%)	0	100	100
2	FA	137/137 (100%)	137 (100%)	0	100	100
2	FF	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	FG	137/137 (100%)	137 (100%)	0	100	100
2	FH	140/137 (102%)	140 (100%)	0	100	100
2	FI	137/137 (100%)	137 (100%)	0	100	100
2	FK	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	G5	137/137 (100%)	137 (100%)	0	100	100
2	GA	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	GJ	137/137 (100%)	137 (100%)	0	100	100
2	H1	139/137 (102%)	137 (99%)	2 (1%)	67	82
2	H4	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	H7	139/137 (102%)	139 (100%)	0	100	100
2	H8	140/137 (102%)	140 (100%)	0	100	100
2	H9	139/137 (102%)	139 (100%)	0	100	100
2	HA	134/137 (98%)	130 (97%)	4 (3%)	41	68
2	HF	140/137 (102%)	140 (100%)	0	100	100
2	HG	138/137 (101%)	138 (100%)	0	100	100
2	HH	140/137 (102%)	140 (100%)	0	100	100
2	HI	139/137 (102%)	139 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	HK	139/137 (102%)	137 (99%)	2 (1%)	67	82
2	I5	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	IA	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	IJ	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	J1	137/137 (100%)	137 (100%)	0	100	100
2	J4	139/137 (102%)	139 (100%)	0	100	100
2	J7	137/137 (100%)	134 (98%)	3 (2%)	52	74
2	J8	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	J9	137/137 (100%)	137 (100%)	0	100	100
2	JF	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	JG	137/137 (100%)	137 (100%)	0	100	100
2	JH	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	JI	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	JK	137/137 (100%)	137 (100%)	0	100	100
2	K5	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	KJ	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	L1	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	L4	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	L7	137/137 (100%)	137 (100%)	0	100	100
2	L8	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	L9	137/137 (100%)	137 (100%)	0	100	100
2	LA	136/137 (99%)	134 (98%)	2 (2%)	65	81
2	LF	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	LG	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	LH	140/137 (102%)	140 (100%)	0	100	100
2	LI	137/137 (100%)	137 (100%)	0	100	100
2	LK	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	M5	137/137 (100%)	137 (100%)	0	100	100
2	MA	137/137 (100%)	133 (97%)	4 (3%)	42	69
2	MJ	137/137 (100%)	137 (100%)	0	100	100
2	N1	140/137 (102%)	140 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	N4	140/137 (102%)	137 (98%)	3 (2%)	53	75
2	N7	137/137 (100%)	137 (100%)	0	100	100
2	N8	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	NA	111/137 (81%)	107 (96%)	4 (4%)	35	63
2	NF	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	NH	140/137 (102%)	137 (98%)	3 (2%)	53	75
2	NK	140/137 (102%)	140 (100%)	0	100	100
2	O5	137/137 (100%)	137 (100%)	0	100	100
2	O9	137/137 (100%)	137 (100%)	0	100	100
2	OA	137/137 (100%)	137 (100%)	0	100	100
2	OG	137/137 (100%)	137 (100%)	0	100	100
2	OI	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	OJ	137/137 (100%)	137 (100%)	0	100	100
2	P1	140/137 (102%)	135 (96%)	5 (4%)	35	63
2	P2	137/137 (100%)	137 (100%)	0	100	100
2	P4	137/137 (100%)	137 (100%)	0	100	100
2	P6	137/137 (100%)	137 (100%)	0	100	100
2	P7	137/137 (100%)	137 (100%)	0	100	100
2	P8	140/137 (102%)	140 (100%)	0	100	100
2	PA	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	PB	137/137 (100%)	137 (100%)	0	100	100
2	PC	137/137 (100%)	137 (100%)	0	100	100
2	PD	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	PE	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	PF	140/137 (102%)	140 (100%)	0	100	100
2	PH	137/137 (100%)	137 (100%)	0	100	100
2	PK	140/137 (102%)	134 (96%)	6 (4%)	29	59
2	Q5	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	Q9	137/137 (100%)	137 (100%)	0	100	100
2	QA	134/137 (98%)	132 (98%)	2 (2%)	65	81
2	QG	137/137 (100%)	135 (98%)	2 (2%)	65	81

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	QI	137/137 (100%)	137 (100%)	0	100	100
2	QJ	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	R1	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	R2	137/137 (100%)	137 (100%)	0	100	100
2	R4	138/137 (101%)	138 (100%)	0	100	100
2	R6	137/137 (100%)	137 (100%)	0	100	100
2	R7	137/137 (100%)	137 (100%)	0	100	100
2	R8	139/137 (102%)	137 (99%)	2 (1%)	67	82
2	RA	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	RB	137/137 (100%)	137 (100%)	0	100	100
2	RC	137/137 (100%)	137 (100%)	0	100	100
2	RD	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	RE	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	RF	139/137 (102%)	137 (99%)	2 (1%)	67	82
2	RH	138/137 (101%)	138 (100%)	0	100	100
2	RK	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	S5	137/137 (100%)	137 (100%)	0	100	100
2	S9	137/137 (100%)	137 (100%)	0	100	100
2	SA	137/137 (100%)	134 (98%)	3 (2%)	52	74
2	SG	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	SI	137/137 (100%)	137 (100%)	0	100	100
2	SJ	137/137 (100%)	137 (100%)	0	100	100
2	T1	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	T2	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	T4	140/137 (102%)	140 (100%)	0	100	100
2	T6	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	T7	139/137 (102%)	139 (100%)	0	100	100
2	T8	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	TB	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	TC	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	TD	137/137 (100%)	136 (99%)	1 (1%)	84	90

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	TE	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	TF	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	TH	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	TK	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	U5	139/137 (102%)	137 (99%)	2 (1%)	67	82
2	U9	139/137 (102%)	139 (100%)	0	100	100
2	UG	138/137 (101%)	138 (100%)	0	100	100
2	UI	139/137 (102%)	137 (99%)	2 (1%)	67	82
2	UJ	139/137 (102%)	137 (99%)	2 (1%)	67	82
2	V1	140/137 (102%)	140 (100%)	0	100	100
2	V2	138/137 (101%)	134 (97%)	4 (3%)	42	69
2	V4	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	V6	137/137 (100%)	132 (96%)	5 (4%)	35	63
2	V7	137/137 (100%)	134 (98%)	3 (2%)	52	74
2	V8	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	VA	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	VB	137/137 (100%)	132 (96%)	5 (4%)	35	63
2	VC	138/137 (101%)	130 (94%)	8 (6%)	20	50
2	VD	139/137 (102%)	139 (100%)	0	100	100
2	VE	139/137 (102%)	139 (100%)	0	100	100
2	VF	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	VH	140/137 (102%)	140 (100%)	0	100	100
2	VK	140/137 (102%)	140 (100%)	0	100	100
2	W5	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	W9	137/137 (100%)	137 (100%)	0	100	100
2	WG	137/137 (100%)	137 (100%)	0	100	100
2	WI	137/137 (100%)	137 (100%)	0	100	100
2	WJ	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	X1	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	X4	139/137 (102%)	139 (100%)	0	100	100
2	X7	137/137 (100%)	137 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	X8	140/137 (102%)	140 (100%)	0	100	100
2	XA	137/137 (100%)	137 (100%)	0	100	100
2	XF	140/137 (102%)	140 (100%)	0	100	100
2	XH	139/137 (102%)	139 (100%)	0	100	100
2	XK	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	Y2	137/137 (100%)	137 (100%)	0	100	100
2	Y5	137/137 (100%)	137 (100%)	0	100	100
2	Y6	137/137 (100%)	137 (100%)	0	100	100
2	Y9	137/137 (100%)	137 (100%)	0	100	100
2	YA	137/137 (100%)	133 (97%)	4 (3%)	42	69
2	YB	137/137 (100%)	137 (100%)	0	100	100
2	YC	137/137 (100%)	137 (100%)	0	100	100
2	YD	137/137 (100%)	137 (100%)	0	100	100
2	YE	137/137 (100%)	137 (100%)	0	100	100
2	YG	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	YI	137/137 (100%)	137 (100%)	0	100	100
2	YJ	137/137 (100%)	137 (100%)	0	100	100
2	Z4	140/137 (102%)	140 (100%)	0	100	100
2	Z8	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	ZA	117/137 (85%)	116 (99%)	1 (1%)	78	87
2	ZF	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	ZH	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	a2	137/137 (100%)	137 (100%)	0	100	100
2	a6	137/137 (100%)	132 (96%)	5 (4%)	35	63
2	aA	137/137 (100%)	133 (97%)	4 (3%)	42	69
2	aB	137/137 (100%)	132 (96%)	5 (4%)	35	63
2	aC	137/137 (100%)	137 (100%)	0	100	100
2	aD	137/137 (100%)	137 (100%)	0	100	100
2	aE	137/137 (100%)	137 (100%)	0	100	100
2	b8	140/137 (102%)	140 (100%)	0	100	100
2	bA	137/137 (100%)	137 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	bF	140/137 (102%)	140 (100%)	0	100	100
2	c2	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	c4	139/137 (102%)	139 (100%)	0	100	100
2	c6	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	cB	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	cC	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	cD	137/137 (100%)	137 (100%)	0	100	100
2	cE	137/137 (100%)	137 (100%)	0	100	100
2	cH	139/137 (102%)	139 (100%)	0	100	100
2	d8	139/137 (102%)	138 (99%)	1 (1%)	84	90
2	dA	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	dF	139/137 (102%)	139 (100%)	0	100	100
2	e2	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	e4	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	e6	137/137 (100%)	137 (100%)	0	100	100
2	eA	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	eB	137/137 (100%)	137 (100%)	0	100	100
2	eC	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	eD	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	eE	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	eH	140/137 (102%)	140 (100%)	0	100	100
2	f8	139/137 (102%)	139 (100%)	0	100	100
2	fF	139/137 (102%)	139 (100%)	0	100	100
2	g2	137/137 (100%)	137 (100%)	0	100	100
2	g4	140/137 (102%)	140 (100%)	0	100	100
2	g6	137/137 (100%)	137 (100%)	0	100	100
2	gA	114/137 (83%)	102 (90%)	12 (10%)	7	25
2	gB	137/137 (100%)	137 (100%)	0	100	100
2	gC	137/137 (100%)	137 (100%)	0	100	100
2	gD	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	gE	137/137 (100%)	135 (98%)	2 (2%)	65	81

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	gH	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	h8	140/137 (102%)	140 (100%)	0	100	100
2	hF	140/137 (102%)	140 (100%)	0	100	100
2	i2	139/137 (102%)	135 (97%)	4 (3%)	42	69
2	i4	140/137 (102%)	140 (100%)	0	100	100
2	i6	138/137 (101%)	138 (100%)	0	100	100
2	iB	138/137 (101%)	138 (100%)	0	100	100
2	iC	139/137 (102%)	135 (97%)	4 (3%)	42	69
2	iD	139/137 (102%)	139 (100%)	0	100	100
2	iE	139/137 (102%)	139 (100%)	0	100	100
2	iH	140/137 (102%)	140 (100%)	0	100	100
2	j8	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	jF	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	k2	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	k4	140/137 (102%)	140 (100%)	0	100	100
2	k6	137/137 (100%)	123 (90%)	14 (10%)	7	27
2	kB	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	kC	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	kD	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	kE	137/137 (100%)	136 (99%)	1 (1%)	84	90
2	kH	140/137 (102%)	140 (100%)	0	100	100
2	l8	140/137 (102%)	137 (98%)	3 (2%)	53	75
2	lF	140/137 (102%)	137 (98%)	3 (2%)	53	75
2	m2	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	m4	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	m6	137/137 (100%)	137 (100%)	0	100	100
2	mB	137/137 (100%)	137 (100%)	0	100	100
2	mC	137/137 (100%)	135 (98%)	2 (2%)	65	81
2	mD	137/137 (100%)	137 (100%)	0	100	100
2	mE	137/137 (100%)	137 (100%)	0	100	100
2	mH	140/137 (102%)	140 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	n8	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	nF	140/137 (102%)	139 (99%)	1 (1%)	84	90
2	p8	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	pF	140/137 (102%)	138 (99%)	2 (1%)	67	82
2	r8	140/137 (102%)	137 (98%)	3 (2%)	53	75
2	rF	140/137 (102%)	137 (98%)	3 (2%)	53	75
2	t8	139/137 (102%)	139 (100%)	0	100	100
2	tF	139/137 (102%)	139 (100%)	0	100	100
2	v8	140/137 (102%)	140 (100%)	0	100	100
2	vF	140/137 (102%)	140 (100%)	0	100	100
3	A1	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	A7	128/128 (100%)	128 (100%)	0	100	100
3	A8	128/128 (100%)	128 (100%)	0	100	100
3	A9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	AF	128/128 (100%)	128 (100%)	0	100	100
3	AG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	AI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	AK	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	B5	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	BJ	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	C1	128/128 (100%)	128 (100%)	0	100	100
3	C4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	C7	128/128 (100%)	128 (100%)	0	100	100
3	C8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	C9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	CF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	CG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	CH	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	CI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	CK	128/128 (100%)	128 (100%)	0	100	100
3	D5	128/128 (100%)	125 (98%)	3 (2%)	50	73

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	DJ	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	E1	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	E4	128/128 (100%)	128 (100%)	0	100	100
3	E7	128/128 (100%)	128 (100%)	0	100	100
3	E8	128/128 (100%)	128 (100%)	0	100	100
3	E9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	EF	128/128 (100%)	128 (100%)	0	100	100
3	EG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	EH	128/128 (100%)	128 (100%)	0	100	100
3	EI	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	EK	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	F5	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	FJ	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	G1	128/128 (100%)	128 (100%)	0	100	100
3	G4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	G7	128/128 (100%)	128 (100%)	0	100	100
3	G8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	G9	128/128 (100%)	119 (93%)	9 (7%)	15	43
3	GF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	GG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	GH	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	GI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	GK	128/128 (100%)	128 (100%)	0	100	100
3	H5	128/128 (100%)	128 (100%)	0	100	100
3	HJ	128/128 (100%)	128 (100%)	0	100	100
3	I1	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	I4	128/128 (100%)	128 (100%)	0	100	100
3	I7	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	I8	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	I9	128/128 (100%)	120 (94%)	8 (6%)	18	47
3	IF	128/128 (100%)	125 (98%)	3 (2%)	50	73

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	IG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	IH	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	II	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	IK	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	J5	128/128 (100%)	128 (100%)	0	100	100
3	JA	128/128 (100%)	117 (91%)	11 (9%)	10	35
3	JJ	128/128 (100%)	128 (100%)	0	100	100
3	K1	128/128 (100%)	128 (100%)	0	100	100
3	K4	128/128 (100%)	128 (100%)	0	100	100
3	K7	127/128 (99%)	126 (99%)	1 (1%)	81	89
3	K8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	K9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	KF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	KG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	KH	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	KI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	KK	128/128 (100%)	128 (100%)	0	100	100
3	L5	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	LJ	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	M1	128/128 (100%)	128 (100%)	0	100	100
3	M4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	M7	128/128 (100%)	128 (100%)	0	100	100
3	M8	128/128 (100%)	128 (100%)	0	100	100
3	MF	128/128 (100%)	128 (100%)	0	100	100
3	MH	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	MK	128/128 (100%)	128 (100%)	0	100	100
3	N5	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	N9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	NG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	NI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	NJ	128/128 (100%)	127 (99%)	1 (1%)	81	89

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	O1	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	O2	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	O4	128/128 (100%)	128 (100%)	0	100	100
3	O6	128/128 (100%)	128 (100%)	0	100	100
3	O7	128/128 (100%)	128 (100%)	0	100	100
3	O8	128/128 (100%)	128 (100%)	0	100	100
3	OB	128/128 (100%)	128 (100%)	0	100	100
3	OC	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	OD	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	OE	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	OF	128/128 (100%)	128 (100%)	0	100	100
3	OH	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	OK	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	P5	128/128 (100%)	128 (100%)	0	100	100
3	P9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	PG	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	PI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	PJ	128/128 (100%)	128 (100%)	0	100	100
3	Q1	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	Q2	128/128 (100%)	128 (100%)	0	100	100
3	Q4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	Q6	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	Q7	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	Q8	128/128 (100%)	128 (100%)	0	100	100
3	QB	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	QC	128/128 (100%)	128 (100%)	0	100	100
3	QD	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	QE	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	QF	128/128 (100%)	128 (100%)	0	100	100
3	QH	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	QK	128/128 (100%)	127 (99%)	1 (1%)	81	89

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	R5	128/128 (100%)	128 (100%)	0	100	100
3	R9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	RG	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	RI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	RJ	128/128 (100%)	128 (100%)	0	100	100
3	S1	128/128 (100%)	128 (100%)	0	100	100
3	S2	128/128 (100%)	128 (100%)	0	100	100
3	S4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	S6	128/128 (100%)	128 (100%)	0	100	100
3	S7	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	S8	128/128 (100%)	128 (100%)	0	100	100
3	SB	128/128 (100%)	128 (100%)	0	100	100
3	SC	128/128 (100%)	128 (100%)	0	100	100
3	SD	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	SE	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	SF	128/128 (100%)	128 (100%)	0	100	100
3	SH	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	SK	128/128 (100%)	128 (100%)	0	100	100
3	T5	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	T9	128/128 (100%)	120 (94%)	8 (6%)	18	47
3	TA	128/128 (100%)	117 (91%)	11 (9%)	10	35
3	TG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	TI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	TJ	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	U1	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	U2	128/128 (100%)	128 (100%)	0	100	100
3	U4	127/128 (99%)	126 (99%)	1 (1%)	81	89
3	U6	128/128 (100%)	128 (100%)	0	100	100
3	U7	128/128 (100%)	128 (100%)	0	100	100
3	U8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	UB	128/128 (100%)	128 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	UC	128/128 (100%)	128 (100%)	0	100	100
3	UD	128/128 (100%)	128 (100%)	0	100	100
3	UE	128/128 (100%)	128 (100%)	0	100	100
3	UF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	UH	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	UK	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	V5	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	V9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	VG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	VI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	VJ	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	W1	128/128 (100%)	128 (100%)	0	100	100
3	W2	128/128 (100%)	128 (100%)	0	100	100
3	W4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	W6	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	W7	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	W8	128/128 (100%)	128 (100%)	0	100	100
3	WB	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	WC	128/128 (100%)	128 (100%)	0	100	100
3	WD	128/128 (100%)	128 (100%)	0	100	100
3	WE	128/128 (100%)	128 (100%)	0	100	100
3	WF	128/128 (100%)	128 (100%)	0	100	100
3	WH	128/128 (100%)	128 (100%)	0	100	100
3	WK	128/128 (100%)	128 (100%)	0	100	100
3	X5	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	X9	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	XG	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	XI	128/128 (100%)	122 (95%)	6 (5%)	26	57
3	XJ	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	Y4	127/128 (99%)	127 (100%)	0	100	100
3	Y8	128/128 (100%)	128 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	YF	128/128 (100%)	128 (100%)	0	100	100
3	YH	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	Z2	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	Z6	128/128 (100%)	128 (100%)	0	100	100
3	ZB	128/128 (100%)	128 (100%)	0	100	100
3	ZC	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	ZD	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	ZE	128/128 (100%)	128 (100%)	0	100	100
3	a4	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	a8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	aF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	aH	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	b2	128/128 (100%)	128 (100%)	0	100	100
3	b6	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	bB	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	bC	128/128 (100%)	128 (100%)	0	100	100
3	bD	128/128 (100%)	124 (97%)	4 (3%)	40	67
3	bE	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	c8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	cF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	d2	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	d4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	d6	128/128 (100%)	128 (100%)	0	100	100
3	dB	128/128 (100%)	128 (100%)	0	100	100
3	dC	128/128 (100%)	125 (98%)	3 (2%)	50	73
3	dD	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	dE	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	dH	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	e8	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	eF	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	f2	128/128 (100%)	128 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	f4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	f6	128/128 (100%)	128 (100%)	0	100	100
3	fB	128/128 (100%)	128 (100%)	0	100	100
3	fC	128/128 (100%)	128 (100%)	0	100	100
3	fD	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	fE	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	fH	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	g8	128/128 (100%)	128 (100%)	0	100	100
3	gF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	h2	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	h4	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	h6	128/128 (100%)	128 (100%)	0	100	100
3	hB	128/128 (100%)	128 (100%)	0	100	100
3	hC	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	hD	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	hE	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	hH	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	i8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	iF	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	j2	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	j4	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	j6	128/128 (100%)	128 (100%)	0	100	100
3	jB	128/128 (100%)	128 (100%)	0	100	100
3	jC	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	jD	128/128 (100%)	128 (100%)	0	100	100
3	jE	128/128 (100%)	128 (100%)	0	100	100
3	jH	128/128 (100%)	128 (100%)	0	100	100
3	k8	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	kF	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	l2	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	l4	128/128 (100%)	126 (98%)	2 (2%)	62	79

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	l6	128/128 (100%)	121 (94%)	7 (6%)	21	52
3	lB	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	lC	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	lD	126/128 (98%)	110 (87%)	16 (13%)	4	19
3	lE	128/128 (100%)	120 (94%)	8 (6%)	18	47
3	lH	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	m8	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	mF	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	o8	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	oF	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	q8	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	qF	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	s8	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	sF	128/128 (100%)	126 (98%)	2 (2%)	62	79
3	u8	128/128 (100%)	127 (99%)	1 (1%)	81	89
3	uF	128/128 (100%)	127 (99%)	1 (1%)	81	89
4	KA	178/201 (89%)	135 (76%)	43 (24%)	0	2
4	UA	179/201 (89%)	138 (77%)	41 (23%)	1	3
5	WA	116/259 (45%)	87 (75%)	29 (25%)	0	2
5	cA	118/259 (46%)	99 (84%)	19 (16%)	2	10
6	A2	199/222 (90%)	196 (98%)	3 (2%)	65	81
6	A5	198/222 (89%)	194 (98%)	4 (2%)	55	76
6	A6	199/222 (90%)	199 (100%)	0	100	100
6	AB	199/222 (90%)	199 (100%)	0	100	100
6	AC	199/222 (90%)	196 (98%)	3 (2%)	65	81
6	AD	199/222 (90%)	198 (100%)	1 (0%)	88	93
6	AE	199/222 (90%)	198 (100%)	1 (0%)	88	93
6	AJ	198/222 (89%)	194 (98%)	4 (2%)	55	76
6	Y1	182/222 (82%)	179 (98%)	3 (2%)	62	79
6	YK	182/222 (82%)	179 (98%)	3 (2%)	62	79
7	B2	208/211 (99%)	206 (99%)	2 (1%)	76	86

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
7	B6	209/211 (99%)	190 (91%)	19 (9%)	9	31
7	BB	209/211 (99%)	189 (90%)	20 (10%)	8	29
7	BC	208/211 (99%)	206 (99%)	2 (1%)	76	86
7	BD	209/211 (99%)	201 (96%)	8 (4%)	33	62
7	BE	209/211 (99%)	195 (93%)	14 (7%)	16	45
8	C2	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	C6	125/125 (100%)	125 (100%)	0	100	100
8	CB	125/125 (100%)	125 (100%)	0	100	100
8	CC	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	CD	125/125 (100%)	125 (100%)	0	100	100
8	CE	125/125 (100%)	125 (100%)	0	100	100
8	E2	125/125 (100%)	125 (100%)	0	100	100
8	E6	125/125 (100%)	123 (98%)	2 (2%)	62	79
8	EB	125/125 (100%)	125 (100%)	0	100	100
8	EC	125/125 (100%)	125 (100%)	0	100	100
8	ED	125/125 (100%)	125 (100%)	0	100	100
8	EE	125/125 (100%)	125 (100%)	0	100	100
8	G2	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	G6	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	GB	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	GC	125/125 (100%)	125 (100%)	0	100	100
8	GD	125/125 (100%)	125 (100%)	0	100	100
8	GE	125/125 (100%)	125 (100%)	0	100	100
8	I2	125/125 (100%)	125 (100%)	0	100	100
8	I6	125/125 (100%)	125 (100%)	0	100	100
8	IB	125/125 (100%)	125 (100%)	0	100	100
8	IC	125/125 (100%)	125 (100%)	0	100	100
8	ID	125/125 (100%)	125 (100%)	0	100	100
8	IE	125/125 (100%)	125 (100%)	0	100	100
8	K2	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	K6	125/125 (100%)	124 (99%)	1 (1%)	81	89

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
8	KB	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	KC	125/125 (100%)	124 (99%)	1 (1%)	81	89
8	KD	125/125 (100%)	125 (100%)	0	100	100
8	KE	125/125 (100%)	125 (100%)	0	100	100
8	M2	125/125 (100%)	125 (100%)	0	100	100
8	M6	125/125 (100%)	123 (98%)	2 (2%)	62	79
8	MB	125/125 (100%)	123 (98%)	2 (2%)	62	79
8	MC	125/125 (100%)	125 (100%)	0	100	100
8	MD	125/125 (100%)	125 (100%)	0	100	100
8	ME	125/125 (100%)	125 (100%)	0	100	100
9	D2	134/134 (100%)	134 (100%)	0	100	100
9	D6	134/134 (100%)	134 (100%)	0	100	100
9	DB	134/134 (100%)	134 (100%)	0	100	100
9	DC	134/134 (100%)	134 (100%)	0	100	100
9	DD	134/134 (100%)	134 (100%)	0	100	100
9	DE	134/134 (100%)	134 (100%)	0	100	100
9	F2	134/134 (100%)	134 (100%)	0	100	100
9	F6	134/134 (100%)	134 (100%)	0	100	100
9	FB	134/134 (100%)	134 (100%)	0	100	100
9	FC	134/134 (100%)	134 (100%)	0	100	100
9	FD	134/134 (100%)	132 (98%)	2 (2%)	65	81
9	FE	134/134 (100%)	132 (98%)	2 (2%)	65	81
9	H2	134/134 (100%)	131 (98%)	3 (2%)	52	74
9	H6	134/134 (100%)	133 (99%)	1 (1%)	84	90
9	HB	134/134 (100%)	133 (99%)	1 (1%)	84	90
9	HC	133/134 (99%)	129 (97%)	4 (3%)	41	68
9	HD	134/134 (100%)	134 (100%)	0	100	100
9	HE	134/134 (100%)	134 (100%)	0	100	100
9	J2	133/134 (99%)	128 (96%)	5 (4%)	33	62
9	J6	134/134 (100%)	134 (100%)	0	100	100
9	JB	134/134 (100%)	134 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
9	JC	134/134 (100%)	121 (90%)	13 (10%)	8	29
9	JD	134/134 (100%)	131 (98%)	3 (2%)	52	74
9	JE	134/134 (100%)	128 (96%)	6 (4%)	27	58
9	L2	134/134 (100%)	134 (100%)	0	100	100
9	L6	134/134 (100%)	131 (98%)	3 (2%)	52	74
9	LB	134/134 (100%)	133 (99%)	1 (1%)	84	90
9	LC	134/134 (100%)	134 (100%)	0	100	100
9	LD	134/134 (100%)	133 (99%)	1 (1%)	84	90
9	LE	134/134 (100%)	133 (99%)	1 (1%)	84	90
9	N2	134/134 (100%)	134 (100%)	0	100	100
9	N6	134/134 (100%)	132 (98%)	2 (2%)	65	81
9	NB	134/134 (100%)	132 (98%)	2 (2%)	65	81
9	NC	134/134 (100%)	134 (100%)	0	100	100
9	ND	134/134 (100%)	130 (97%)	4 (3%)	41	68
9	NE	134/134 (100%)	134 (100%)	0	100	100
10	X2	261/289 (90%)	260 (100%)	1 (0%)	91	95
10	X6	261/289 (90%)	256 (98%)	5 (2%)	57	77
10	XB	261/289 (90%)	256 (98%)	5 (2%)	57	77
10	XC	261/289 (90%)	260 (100%)	1 (0%)	91	95
10	XD	261/289 (90%)	255 (98%)	6 (2%)	50	73
10	XE	261/289 (90%)	255 (98%)	6 (2%)	50	73
11	MG	220/256 (86%)	207 (94%)	13 (6%)	19	49
11	ZG	222/256 (87%)	211 (95%)	11 (5%)	24	55
12	A4	179/203 (88%)	179 (100%)	0	100	100
12	AH	179/203 (88%)	179 (100%)	0	100	100
12	w8	179/203 (88%)	178 (99%)	1 (1%)	86	91
12	wF	179/203 (88%)	178 (99%)	1 (1%)	86	91
12	x8	179/203 (88%)	178 (99%)	1 (1%)	86	91
12	xF	179/203 (88%)	178 (99%)	1 (1%)	86	91
13	B4	188/218 (86%)	188 (100%)	0	100	100
13	BH	188/218 (86%)	187 (100%)	1 (0%)	88	93

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	y8	188/218 (86%)	187 (100%)	1 (0%)	88	93
13	yF	188/218 (86%)	187 (100%)	1 (0%)	88	93
14	M9	184/262 (70%)	174 (95%)	10 (5%)	22	53
14	MI	216/262 (82%)	179 (83%)	37 (17%)	2	9
14	Z9	183/262 (70%)	173 (94%)	10 (6%)	21	52
14	ZI	217/262 (83%)	182 (84%)	35 (16%)	2	10
15	e1	204/237 (86%)	204 (100%)	0	100	100
15	eK	204/237 (86%)	204 (100%)	0	100	100
16	23	106/121 (88%)	94 (89%)	12 (11%)	6	22
16	Z3	106/121 (88%)	96 (91%)	10 (9%)	8	30
17	33	194/214 (91%)	177 (91%)	17 (9%)	10	33
17	a3	194/214 (91%)	173 (89%)	21 (11%)	6	24
18	43	165/199 (83%)	146 (88%)	19 (12%)	5	22
18	b3	165/199 (83%)	142 (86%)	23 (14%)	3	16
19	A3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	C3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	E3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	G3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	J3	130/131 (99%)	118 (91%)	12 (9%)	9	31
19	K3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	N3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	P3	130/131 (99%)	117 (90%)	13 (10%)	7	27
19	R3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	T3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	c3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	e3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	g3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	i3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	l3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	m3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	p3	130/131 (99%)	119 (92%)	11 (8%)	10	35

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
19	r3	130/131 (99%)	115 (88%)	15 (12%)	5	22
19	t3	130/131 (99%)	119 (92%)	11 (8%)	10	35
19	v3	128/131 (98%)	118 (92%)	10 (8%)	12	38
20	B3	124/124 (100%)	116 (94%)	8 (6%)	17	46
20	D3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	F3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	H3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	I3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	L3	124/124 (100%)	114 (92%)	10 (8%)	11	36
20	M3	123/124 (99%)	115 (94%)	8 (6%)	17	46
20	O3	124/124 (100%)	113 (91%)	11 (9%)	9	32
20	Q3	124/124 (100%)	112 (90%)	12 (10%)	8	29
20	S3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	U3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	d3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	f3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	h3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	j3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	k3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	n3	124/124 (100%)	116 (94%)	8 (6%)	17	46
20	o3	123/124 (99%)	116 (94%)	7 (6%)	20	51
20	q3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	s3	124/124 (100%)	116 (94%)	8 (6%)	17	46
20	u3	124/124 (100%)	117 (94%)	7 (6%)	21	52
20	w3	124/124 (100%)	117 (94%)	7 (6%)	21	52
21	V3	133/136 (98%)	127 (96%)	6 (4%)	27	58
21	x3	133/136 (98%)	127 (96%)	6 (4%)	27	58
22	W3	147/153 (96%)	142 (97%)	5 (3%)	37	65
22	y3	147/153 (96%)	142 (97%)	5 (3%)	37	65
23	X3	78/79 (99%)	76 (97%)	2 (3%)	46	71
23	z3	78/79 (99%)	76 (97%)	2 (3%)	46	71

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
24	63	763/773 (99%)	761 (100%)	2 (0%)	92	96
24	73	760/773 (98%)	755 (99%)	5 (1%)	84	90
25	b4	304/389 (78%)	299 (98%)	5 (2%)	62	79
25	bH	300/389 (77%)	295 (98%)	5 (2%)	60	78
26	d5	238/272 (88%)	225 (94%)	13 (6%)	21	52
26	dJ	238/272 (88%)	224 (94%)	14 (6%)	19	49
27	Y7	306/344 (89%)	257 (84%)	49 (16%)	2	11
27	b7	305/344 (89%)	259 (85%)	46 (15%)	3	13
28	z8	381/406 (94%)	335 (88%)	46 (12%)	5	20
28	zF	378/406 (93%)	327 (86%)	51 (14%)	4	16
29	fA	227/229 (99%)	203 (89%)	24 (11%)	6	25
29	hA	226/229 (99%)	205 (91%)	21 (9%)	9	30
30	53	24/130 (18%)	14 (58%)	10 (42%)	0	0
30	Y3	36/130 (28%)	24 (67%)	12 (33%)	0	1
All	All	100292/102368 (98%)	98278 (98%)	2014 (2%)	57	76

All (2014) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	AA	392	ARG
1	AA	393	GLN
1	AA	395	GLU
1	AA	396	MET
1	AA	397	LYS
1	AA	415	PRO
1	AA	420	ARG
1	AA	423	ASP
1	AA	424	LEU
2	BA	77	ARG
2	BA	114	LYS
2	BA	115	GLU
2	BA	116	THR
2	CA	10	VAL
2	CA	13	ASP
2	CA	15	LYS
2	CA	54	ASP
2	DA	105	LEU

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Mol	Chain	Res	Type
2	DA	106	GLU
2	DA	107	ASP
2	DA	109	CYS
2	DA	113	LEU
1	EA	347	VAL
1	EA	348	LYS
1	EA	386	TRP
1	EA	388	SER
1	EA	396	MET
1	EA	397	LYS
1	EA	413	PRO
1	EA	416	ASP
1	EA	419	LYS
1	EA	420	ARG
1	EA	421	SER
2	GA	77	ARG
2	HA	9	VAL
2	HA	11	ASN
2	HA	13	ASP
2	HA	30	PHE
2	IA	7	ARG
2	IA	28	LYS
3	JA	2	LYS
3	JA	10	SER
3	JA	22	SER
3	JA	26	SER
3	JA	39	GLU
3	JA	42	GLU
3	JA	51	VAL
3	JA	52	VAL
3	JA	53	LYS
3	JA	115	GLU
3	JA	153	SER
4	KA	36	VAL
4	KA	42	ARG
4	KA	48	THR
4	KA	50	LYS
4	KA	57	THR
4	KA	58	SER
4	KA	64	VAL
4	KA	66	THR
4	KA	75	LYS

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Mol	Chain	Res	Type
4	KA	76	VAL
4	KA	78	THR
4	KA	80	ASP
4	KA	98	SER
4	KA	114	LYS
4	KA	122	LYS
4	KA	123	LYS
4	KA	134	SER
4	KA	144	SER
4	KA	155	GLU
4	KA	157	ILE
4	KA	161	SER
4	KA	162	ASN
4	KA	165	LYS
4	KA	168	SER
4	KA	170	ASN
4	KA	181	LYS
4	KA	184	VAL
4	KA	187	GLU
4	KA	191	GLN
4	KA	193	GLU
4	KA	194	PRO
4	KA	198	ASP
4	KA	202	TYR
4	KA	209	ARG
4	KA	213	LYS
4	KA	226	ASN
4	KA	227	THR
4	KA	231	SER
4	KA	233	TYR
4	KA	235	MET
4	KA	239	GLU
4	KA	240	THR
4	KA	243	LEU
2	LA	18	TYR
2	LA	149	ARG
2	MA	7	ARG
2	MA	10	VAL
2	MA	15	LYS
2	MA	54	ASP
2	NA	106	GLU
2	NA	110	LEU

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Mol	Chain	Res	Type
2	NA	111	ASN
2	NA	113	LEU
2	PA	77	ARG
2	QA	13	ASP
2	QA	15	LYS
2	RA	77	ARG
2	RA	88	ILE
2	SA	7	ARG
2	SA	15	LYS
2	SA	24	LEU
3	TA	2	LYS
3	TA	10	SER
3	TA	22	SER
3	TA	26	SER
3	TA	39	GLU
3	TA	42	GLU
3	TA	51	VAL
3	TA	52	VAL
3	TA	53	LYS
3	TA	115	GLU
3	TA	153	SER
4	UA	36	VAL
4	UA	48	THR
4	UA	50	LYS
4	UA	57	THR
4	UA	58	SER
4	UA	64	VAL
4	UA	66	THR
4	UA	75	LYS
4	UA	76	VAL
4	UA	78	THR
4	UA	80	ASP
4	UA	98	SER
4	UA	114	LYS
4	UA	121	VAL
4	UA	122	LYS
4	UA	134	SER
4	UA	144	SER
4	UA	155	GLU
4	UA	157	ILE
4	UA	162	ASN
4	UA	168	SER

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Mol	Chain	Res	Type
4	UA	170	ASN
4	UA	181	LYS
4	UA	184	VAL
4	UA	187	GLU
4	UA	191	GLN
4	UA	195	GLU
4	UA	196	THR
4	UA	197	LEU
4	UA	198	ASP
4	UA	199	ASP
4	UA	203	GLN
4	UA	209	ARG
4	UA	213	LYS
4	UA	218	GLU
4	UA	226	ASN
4	UA	227	THR
4	UA	231	SER
4	UA	239	GLU
4	UA	240	THR
4	UA	243	LEU
2	VA	145	THR
2	VA	149	ARG
5	WA	181	GLU
5	WA	182	GLU
5	WA	184	THR
5	WA	185	VAL
5	WA	187	LYS
5	WA	197	LYS
5	WA	202	ASP
5	WA	217	THR
5	WA	230	THR
5	WA	252	SER
5	WA	254	ARG
5	WA	262	SER
5	WA	263	VAL
5	WA	266	SER
5	WA	282	LYS
5	WA	286	THR
5	WA	287	THR
5	WA	289	MET
5	WA	290	VAL
5	WA	291	THR

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Mol	Chain	Res	Type
5	WA	292	ASP
5	WA	294	THR
5	WA	295	THR
5	WA	297	ARG
5	WA	298	LEU
5	WA	299	LYS
5	WA	304	VAL
5	WA	309	VAL
5	WA	314	ASP
2	YA	114	LYS
2	YA	115	GLU
2	YA	116	THR
2	YA	118	ILE
2	ZA	108	ARG
7	BB	29	TYR
7	BB	171	SER
7	BB	172	LYS
7	BB	191	LYS
7	BB	192	LEU
7	BB	195	THR
7	BB	196	GLN
7	BB	202	PRO
7	BB	205	ARG
7	BB	207	ARG
7	BB	209	GLN
7	BB	210	GLU
7	BB	211	GLN
7	BB	213	PRO
7	BB	217	ASP
7	BB	221	PHE
7	BB	222	LEU
7	BB	226	GLN
7	BB	227	GLU
7	BB	228	MET
8	GB	30	ARG
9	HB	77	ARG
8	KB	50	ARG
9	LB	77	ARG
8	MB	30	ARG
8	MB	79	ILE
9	NB	74	TYR
9	NB	76	SER

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Mol	Chain	Res	Type
3	QB	53	LYS
3	QB	142	ARG
2	TB	39	ASP
2	VB	61	CYS
2	VB	134	MET
2	VB	135	LYS
2	VB	149	ARG
2	VB	151	MET
3	WB	53	LYS
3	WB	140	VAL
10	XB	111	MET
10	XB	113	LYS
10	XB	114	GLN
10	XB	277	THR
10	XB	312	TYR
6	AC	79	LYS
6	AC	186	ARG
6	AC	292	ARG
7	BC	34	THR
7	BC	52	ARG
8	CC	44	LEU
9	HC	15	ARG
9	HC	18	PHE
9	HC	150	ILE
9	HC	152	ASP
9	JC	3	ASP
9	JC	11	GLN
9	JC	15	ARG
9	JC	17	GLU
9	JC	18	PHE
9	JC	19	LEU
9	JC	20	SER
9	JC	21	ASN
9	JC	22	THR
9	JC	23	GLN
9	JC	24	ILE
9	JC	27	LEU
9	JC	75	THR
8	KC	67	THR
3	OC	137	ARG
3	OC	138	LEU
2	TC	145	THR

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Mol	Chain	Res	Type
2	VC	113	LEU
2	VC	150	LYS
2	VC	161	LEU
2	VC	164	GLU
2	VC	170	ASP
2	VC	171	ARG
2	VC	172	VAL
2	VC	177	SER
10	XC	118	PHE
3	ZC	6	THR
6	AD	186	ARG
7	BD	17	VAL
7	BD	171	SER
7	BD	212	GLN
7	BD	224	MET
7	BD	225	VAL
7	BD	226	GLN
7	BD	227	GLU
7	BD	228	MET
9	FD	17	GLU
9	FD	19	LEU
9	JD	8	VAL
9	JD	15	ARG
9	JD	166	ARG
9	LD	39	ASP
9	ND	59	LEU
9	ND	63	GLN
9	ND	67	ILE
9	ND	68	GLN
3	OD	140	VAL
2	PD	145	THR
2	PD	150	LYS
3	QD	102	THR
3	QD	127	TYR
2	RD	39	ASP
3	SD	137	ARG
2	TD	39	ASP
10	XD	111	MET
10	XD	113	LYS
10	XD	114	GLN
10	XD	312	TYR
10	XD	320	THR

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Mol	Chain	Res	Type
10	XD	352	THR
3	ZD	137	ARG
3	ZD	142	ARG
6	AE	186	ARG
7	BE	17	VAL
7	BE	168	PRO
7	BE	170	ARG
7	BE	171	SER
7	BE	205	ARG
7	BE	207	ARG
7	BE	208	PRO
7	BE	209	GLN
7	BE	210	GLU
7	BE	212	GLN
7	BE	223	ASN
7	BE	226	GLN
7	BE	227	GLU
7	BE	228	MET
9	FE	17	GLU
9	FE	19	LEU
9	JE	8	VAL
9	JE	15	ARG
9	JE	150	ILE
9	JE	152	ASP
9	JE	153	CYS
9	JE	166	ARG
9	LE	39	ASP
3	OE	140	VAL
2	PE	145	THR
2	PE	150	LYS
3	QE	102	THR
3	QE	127	TYR
2	RE	39	ASP
3	SE	137	ARG
2	TE	39	ASP
10	XE	111	MET
10	XE	113	LYS
10	XE	114	GLN
10	XE	312	TYR
10	XE	320	THR
10	XE	352	THR
3	CF	52	VAL

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Mol	Chain	Res	Type
2	DF	163[A]	SER
2	DF	163[B]	SER
2	FF	39	ASP
3	GF	140	VAL
3	IF	137	ARG
3	IF	139	CYS
3	IF	140	VAL
2	JF	53[A]	SER
2	JF	53[B]	SER
3	KF	59	CYS
2	LF	39	ASP
2	NF	160[A]	SER
2	NF	160[B]	SER
2	RF	53[A]	SER
2	RF	53[B]	SER
2	TF	39	ASP
3	UF	140	VAL
2	VF	39	ASP
2	ZF	149	ARG
3	AG	2	LYS
2	BG	39	ASP
3	CG	2	LYS
3	EG	2	LYS
3	GG	2	LYS
3	IG	2	LYS
3	KG	2	LYS
2	LG	109	CYS
11	MG	49	ASP
11	MG	50	GLU
11	MG	52	GLU
11	MG	123	GLU
11	MG	262	ARG
11	MG	265	LYS
11	MG	288	TYR
11	MG	297	LYS
11	MG	299	LYS
11	MG	300	VAL
11	MG	301	ASN
11	MG	308	ILE
11	MG	309	PRO
3	NG	2	LYS
3	PG	2	LYS

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Mol	Chain	Res	Type
3	PG	26	SER
2	QG	39	ASP
2	QG	77	ARG
3	RG	2	LYS
3	RG	106	ASP
2	SG	39	ASP
3	TG	2	LYS
3	VG	2	LYS
3	XG	2	LYS
2	YG	39	ASP
2	YG	109	CYS
11	ZG	48	LEU
11	ZG	49	ASP
11	ZG	50	GLU
11	ZG	52	GLU
11	ZG	53	ARG
11	ZG	54	GLN
11	ZG	85	SER
11	ZG	105	LYS
11	ZG	262	ARG
11	ZG	306	LYS
11	ZG	310	SER
13	BH	230	LYS
3	CH	82	CYS
3	CH	140	VAL
3	GH	107	GLU
3	IH	54	GLU
3	IH	140	VAL
2	JH	9	VAL
3	KH	143	ASP
3	MH	140	VAL
2	NH	15	LYS
2	NH	170	ASP
2	NH	171	ARG
3	OH	54	GLU
3	QH	2	LYS
3	SH	127	TYR
2	TH	53[A]	SER
2	TH	53[B]	SER
3	UH	53	LYS
3	UH	137	ARG
3	YH	49	GLU

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Mol	Chain	Res	Type
3	YH	53	LYS
3	YH	140	VAL
2	ZH	132[A]	SER
2	ZH	132[B]	SER
3	AI	39	GLU
3	AI	53	LYS
3	AI	82	CYS
3	AI	90	MET
3	AI	115	GLU
3	AI	118	ARG
3	CI	39	GLU
3	CI	53	LYS
3	CI	82	CYS
3	CI	90	MET
3	CI	115	GLU
3	CI	118	ARG
2	DI	36	LYS
3	EI	39	GLU
3	EI	53	LYS
3	EI	82	CYS
3	EI	90	MET
3	EI	115	GLU
3	EI	118	ARG
3	EI	163	LEU
3	GI	39	GLU
3	GI	53	LYS
3	GI	82	CYS
3	GI	90	MET
3	GI	115	GLU
3	GI	118	ARG
3	II	39	GLU
3	II	53	LYS
3	II	82	CYS
3	II	90	MET
3	II	115	GLU
3	II	118	ARG
2	JI	129	ARG
3	KI	39	GLU
3	KI	53	LYS
3	KI	82	CYS
3	KI	90	MET
3	KI	115	GLU

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Mol	Chain	Res	Type
3	KI	118	ARG
14	MI	25	TRP
14	MI	27	LYS
14	MI	28	LEU
14	MI	29	LEU
14	MI	30	ASN
14	MI	31	THR
14	MI	32	LYS
14	MI	34	MET
14	MI	35	LYS
14	MI	36	ARG
14	MI	40	PRO
14	MI	41	ASN
14	MI	42	PRO
14	MI	43	PRO
14	MI	44	THR
14	MI	45	ASN
14	MI	46	GLU
14	MI	48	ARG
14	MI	50	LEU
14	MI	51	ASN
14	MI	55	THR
14	MI	57	ARG
14	MI	59	PRO
14	MI	63	PHE
14	MI	64	LEU
14	MI	66	THR
14	MI	67	LEU
14	MI	68	LYS
14	MI	71	LYS
14	MI	77	ARG
14	MI	84	LYS
14	MI	89	MET
14	MI	113	GLU
14	MI	131	GLN
14	MI	173	LYS
14	MI	187	LEU
14	MI	280	LYS
3	NI	39	GLU
3	NI	53	LYS
3	NI	82	CYS
3	NI	90	MET

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Mol	Chain	Res	Type
3	NI	115	GLU
3	NI	118	ARG
2	OI	8	VAL
2	OI	11	ASN
3	PI	39	GLU
3	PI	53	LYS
3	PI	82	CYS
3	PI	90	MET
3	PI	115	GLU
3	PI	118	ARG
3	RI	39	GLU
3	RI	53	LYS
3	RI	82	CYS
3	RI	90	MET
3	RI	115	GLU
3	RI	118	ARG
3	TI	39	GLU
3	TI	53	LYS
3	TI	82	CYS
3	TI	90	MET
3	TI	115	GLU
3	TI	118	ARG
2	UI	160[A]	SER
2	UI	160[B]	SER
3	VI	39	GLU
3	VI	53	LYS
3	VI	82	CYS
3	VI	90	MET
3	VI	115	GLU
3	VI	118	ARG
3	XI	39	GLU
3	XI	53	LYS
3	XI	82	CYS
3	XI	90	MET
3	XI	115	GLU
3	XI	118	ARG
14	ZI	25	TRP
14	ZI	27	LYS
14	ZI	28	LEU
14	ZI	29	LEU
14	ZI	30	ASN
14	ZI	31	THR

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Mol	Chain	Res	Type
14	ZI	32	LYS
14	ZI	34	MET
14	ZI	36	ARG
14	ZI	37	GLN
14	ZI	38	VAL
14	ZI	39	GLN
14	ZI	40	PRO
14	ZI	41	ASN
14	ZI	42	PRO
14	ZI	43	PRO
14	ZI	44	THR
14	ZI	45	ASN
14	ZI	46	GLU
14	ZI	48	ARG
14	ZI	50	LEU
14	ZI	55	THR
14	ZI	57	ARG
14	ZI	63	PHE
14	ZI	64	LEU
14	ZI	66	THR
14	ZI	69	ARG
14	ZI	70	SER
14	ZI	71	LYS
14	ZI	77	ARG
14	ZI	84	LYS
14	ZI	89	MET
14	ZI	113	GLU
14	ZI	173	LYS
14	ZI	280	LYS
6	AJ	60	ARG
6	AJ	64	THR
6	AJ	93	VAL
6	AJ	274	CYS
3	BJ	33	ARG
3	BJ	140	VAL
3	DJ	42	GLU
3	DJ	59	CYS
3	DJ	140	VAL
2	EJ	145	THR
3	FJ	8	VAL
2	IJ	39	ASP
2	KJ	61	CYS

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Mol	Chain	Res	Type
3	LJ	82	CYS
3	NJ	114	ARG
2	QJ	108	ARG
2	QJ	113	LEU
3	TJ	23	ASP
3	TJ	88	HIS
3	TJ	96	CYS
2	UJ	132[A]	SER
2	UJ	132[B]	SER
3	VJ	17	ARG
2	WJ	3	ASP
2	WJ	82	CYS
3	XJ	116	VAL
3	AK	124	THR
3	AK	159	LEU
2	BK	77	ARG
2	BK	143	THR
2	BK	151	MET
2	BK	170	ASP
2	DK	143	THR
3	EK	105	LEU
2	FK	110	LEU
2	FK	176	ILE
2	HK	24	LEU
2	HK	25	GLN
3	IK	140	VAL
2	LK	122	VAL
2	LK	176	ILE
3	OK	49	GLU
3	OK	89	TYR
2	PK	82	CYS
2	PK	115	GLU
2	PK	132[A]	SER
2	PK	132[B]	SER
2	PK	163[A]	SER
2	PK	163[B]	SER
3	QK	140	VAL
2	RK	160[A]	SER
2	RK	160[B]	SER
2	TK	39	ASP
3	UK	23	ASP
2	XK	145	THR

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Mol	Chain	Res	Type
6	YK	186	ARG
6	YK	187	THR
6	YK	291	MET
3	A1	124	THR
3	A1	159	LEU
2	B1	77	ARG
2	B1	143	THR
2	B1	151	MET
2	B1	170	ASP
2	D1	143	THR
3	E1	105	LEU
2	F1	110	LEU
2	F1	176	ILE
2	H1	24	LEU
2	H1	25	GLN
3	I1	140	VAL
2	L1	122	VAL
2	L1	176	ILE
3	O1	49	GLU
3	O1	89	TYR
2	P1	82	CYS
2	P1	132[A]	SER
2	P1	132[B]	SER
2	P1	163[A]	SER
2	P1	163[B]	SER
3	Q1	140	VAL
2	R1	160[A]	SER
2	R1	160[B]	SER
2	T1	39	ASP
3	U1	23	ASP
2	X1	145	THR
6	Y1	186	ARG
6	Y1	187	THR
6	Y1	291	MET
3	O2	137	ARG
3	O2	138	LEU
2	T2	145	THR
6	A2	79	LYS
6	A2	186	ARG
6	A2	292	ARG
7	B2	34	THR
7	B2	52	ARG

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Mol	Chain	Res	Type
8	C2	44	LEU
8	G2	140	HIS
9	H2	15	ARG
9	H2	19	LEU
9	H2	157	VAL
9	J2	15	ARG
9	J2	18	PHE
9	J2	19	LEU
9	J2	23	GLN
9	J2	75	THR
8	K2	67	THR
2	V2	169	PHE
2	V2	170	ASP
2	V2	171	ARG
2	V2	172	VAL
10	X2	118	PHE
3	Z2	6	THR
3	h2	124	THR
2	i2	39	ASP
2	i2	132[A]	SER
2	i2	132[B]	SER
2	i2	149	ARG
3	j2	82	CYS
2	k2	82	CYS
2	k2	149	ARG
3	l2	24	LEU
3	l2	102	THR
2	m2	122	VAL
2	m2	147	THR
2	c2	143	THR
2	c2	158	CYS
3	d2	53	LYS
3	d2	102	THR
3	d2	114	ARG
2	e2	109	CYS
2	e2	145	THR
16	23	74	GLU
16	23	78	LYS
16	23	88	THR
16	23	93	THR
16	23	107	GLU
16	23	108	LYS

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Mol	Chain	Res	Type
16	23	117	THR
16	23	118	SER
16	23	124	SER
16	23	140	SER
16	23	142	SER
16	23	160	SER
17	33	42	SER
17	33	59	LYS
17	33	62	SER
17	33	135	MET
17	33	148	VAL
17	33	169	THR
17	33	177	SER
17	33	180	THR
17	33	188	SER
17	33	193	LEU
17	33	212	THR
17	33	254	VAL
17	33	261	LYS
17	33	264	LYS
17	33	270	ARG
17	33	286	ARG
17	33	288	VAL
18	43	45	ARG
18	43	57	SER
18	43	72	THR
18	43	78	THR
18	43	80	THR
18	43	100	GLU
18	43	103	VAL
18	43	124	GLU
18	43	138	GLU
18	43	145	LYS
18	43	162	MET
18	43	167	THR
18	43	170	SER
18	43	185	VAL
18	43	213	ILE
18	43	218	VAL
18	43	227	VAL
18	43	230	ARG
18	43	233	ILE

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Mol	Chain	Res	Type
19	A3	7	SER
19	A3	24	ASP
19	A3	25	ARG
19	A3	26	ILE
19	A3	34	GLN
19	A3	48	GLU
19	A3	75	GLU
19	A3	76	GLU
19	A3	106	GLU
19	A3	148	GLU
19	A3	149	VAL
20	B3	14	VAL
20	B3	23	SER
20	B3	25	GLU
20	B3	107	ARG
20	B3	109	LEU
20	B3	114	GLU
20	B3	118	SER
20	B3	135	GLU
19	C3	7	SER
19	C3	24	ASP
19	C3	25	ARG
19	C3	26	ILE
19	C3	34	GLN
19	C3	48	GLU
19	C3	75	GLU
19	C3	76	GLU
19	C3	106	GLU
19	C3	148	GLU
19	C3	149	VAL
20	D3	14	VAL
20	D3	23	SER
20	D3	25	GLU
20	D3	109	LEU
20	D3	114	GLU
20	D3	118	SER
20	D3	135	GLU
19	E3	7	SER
19	E3	24	ASP
19	E3	25	ARG
19	E3	26	ILE
19	E3	34	GLN

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Mol	Chain	Res	Type
19	E3	48	GLU
19	E3	75	GLU
19	E3	76	GLU
19	E3	106	GLU
19	E3	148	GLU
19	E3	149	VAL
20	F3	14	VAL
20	F3	23	SER
20	F3	25	GLU
20	F3	109	LEU
20	F3	114	GLU
20	F3	118	SER
20	F3	135	GLU
19	G3	7	SER
19	G3	24	ASP
19	G3	25	ARG
19	G3	26	ILE
19	G3	34	GLN
19	G3	48	GLU
19	G3	75	GLU
19	G3	76	GLU
19	G3	106	GLU
19	G3	148	GLU
19	G3	149	VAL
20	H3	14	VAL
20	H3	23	SER
20	H3	25	GLU
20	H3	109	LEU
20	H3	114	GLU
20	H3	118	SER
20	H3	135	GLU
20	I3	14	VAL
20	I3	23	SER
20	I3	25	GLU
20	I3	109	LEU
20	I3	114	GLU
20	I3	118	SER
20	I3	135	GLU
19	J3	7	SER
19	J3	24	ASP
19	J3	25	ARG
19	J3	26	ILE

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Mol	Chain	Res	Type
19	J3	34	GLN
19	J3	48	GLU
19	J3	49	ARG
19	J3	75	GLU
19	J3	76	GLU
19	J3	106	GLU
19	J3	148	GLU
19	J3	149	VAL
19	K3	7	SER
19	K3	24	ASP
19	K3	25	ARG
19	K3	26	ILE
19	K3	34	GLN
19	K3	48	GLU
19	K3	75	GLU
19	K3	76	GLU
19	K3	106	GLU
19	K3	148	GLU
19	K3	149	VAL
20	L3	9	ILE
20	L3	14	VAL
20	L3	20	ASP
20	L3	24	VAL
20	L3	25	GLU
20	L3	26	LYS
20	L3	109	LEU
20	L3	114	GLU
20	L3	118	SER
20	L3	135	GLU
20	M3	14	VAL
20	M3	23	SER
20	M3	25	GLU
20	M3	109	LEU
20	M3	114	GLU
20	M3	118	SER
20	M3	128	GLN
20	M3	135	GLU
19	N3	7	SER
19	N3	24	ASP
19	N3	25	ARG
19	N3	26	ILE
19	N3	34	GLN

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Mol	Chain	Res	Type
19	N3	48	GLU
19	N3	75	GLU
19	N3	76	GLU
19	N3	106	GLU
19	N3	148	GLU
19	N3	149	VAL
20	O3	14	VAL
20	O3	23	SER
20	O3	25	GLU
20	O3	64	ASP
20	O3	65	ILE
20	O3	66	THR
20	O3	72	MET
20	O3	109	LEU
20	O3	114	GLU
20	O3	118	SER
20	O3	135	GLU
19	P3	7	SER
19	P3	24	ASP
19	P3	25	ARG
19	P3	26	ILE
19	P3	34	GLN
19	P3	48	GLU
19	P3	75	GLU
19	P3	76	GLU
19	P3	106	GLU
19	P3	144	GLU
19	P3	145	ASP
19	P3	148	GLU
19	P3	149	VAL
20	Q3	14	VAL
20	Q3	23	SER
20	Q3	25	GLU
20	Q3	60	LEU
20	Q3	63	SER
20	Q3	64	ASP
20	Q3	65	ILE
20	Q3	67	ARG
20	Q3	109	LEU
20	Q3	114	GLU
20	Q3	118	SER
20	Q3	135	GLU

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Mol	Chain	Res	Type
19	R3	7	SER
19	R3	24	ASP
19	R3	25	ARG
19	R3	26	ILE
19	R3	34	GLN
19	R3	48	GLU
19	R3	75	GLU
19	R3	76	GLU
19	R3	106	GLU
19	R3	148	GLU
19	R3	149	VAL
20	S3	14	VAL
20	S3	23	SER
20	S3	25	GLU
20	S3	109	LEU
20	S3	114	GLU
20	S3	118	SER
20	S3	135	GLU
19	T3	7	SER
19	T3	24	ASP
19	T3	25	ARG
19	T3	26	ILE
19	T3	34	GLN
19	T3	48	GLU
19	T3	75	GLU
19	T3	76	GLU
19	T3	106	GLU
19	T3	148	GLU
19	T3	149	VAL
20	U3	14	VAL
20	U3	23	SER
20	U3	25	GLU
20	U3	109	LEU
20	U3	114	GLU
20	U3	118	SER
20	U3	135	GLU
21	V3	10	SER
21	V3	13	ASP
21	V3	24	GLU
21	V3	49	GLU
21	V3	56	LYS
21	V3	144	GLU

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Mol	Chain	Res	Type
22	W3	3	ASP
22	W3	7	SER
22	W3	15	SER
22	W3	98	SER
22	W3	112	GLU
23	X3	47	THR
23	X3	74	VAL
16	Z3	74	GLU
16	Z3	78	LYS
16	Z3	88	THR
16	Z3	93	THR
16	Z3	107	GLU
16	Z3	108	LYS
16	Z3	124	SER
16	Z3	140	SER
16	Z3	142	SER
16	Z3	160	SER
17	a3	42	SER
17	a3	59	LYS
17	a3	61	ARG
17	a3	62	SER
17	a3	118	GLU
17	a3	135	MET
17	a3	148	VAL
17	a3	169	THR
17	a3	177	SER
17	a3	180	THR
17	a3	188	SER
17	a3	193	LEU
17	a3	212	THR
17	a3	219	ASP
17	a3	254	VAL
17	a3	261	LYS
17	a3	264	LYS
17	a3	269	LYS
17	a3	270	ARG
17	a3	284	VAL
17	a3	286	ARG
18	b3	45	ARG
18	b3	46	THR
18	b3	57	SER
18	b3	72	THR

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Mol	Chain	Res	Type
18	b3	78	THR
18	b3	80	THR
18	b3	100	GLU
18	b3	103	VAL
18	b3	124	GLU
18	b3	138	GLU
18	b3	145	LYS
18	b3	162	MET
18	b3	167	THR
18	b3	170	SER
18	b3	181	LEU
18	b3	184	LEU
18	b3	185	VAL
18	b3	191	LYS
18	b3	213	ILE
18	b3	218	VAL
18	b3	227	VAL
18	b3	230	ARG
18	b3	233	ILE
19	c3	7	SER
19	c3	24	ASP
19	c3	25	ARG
19	c3	26	ILE
19	c3	34	GLN
19	c3	48	GLU
19	c3	75	GLU
19	c3	76	GLU
19	c3	106	GLU
19	c3	148	GLU
19	c3	149	VAL
20	d3	14	VAL
20	d3	23	SER
20	d3	25	GLU
20	d3	109	LEU
20	d3	114	GLU
20	d3	118	SER
20	d3	135	GLU
19	e3	7	SER
19	e3	24	ASP
19	e3	25	ARG
19	e3	26	ILE
19	e3	34	GLN

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Mol	Chain	Res	Type
19	e3	48	GLU
19	e3	75	GLU
19	e3	76	GLU
19	e3	106	GLU
19	e3	148	GLU
19	e3	149	VAL
20	f3	14	VAL
20	f3	23	SER
20	f3	25	GLU
20	f3	109	LEU
20	f3	114	GLU
20	f3	118	SER
20	f3	135	GLU
19	g3	7	SER
19	g3	24	ASP
19	g3	25	ARG
19	g3	26	ILE
19	g3	34	GLN
19	g3	48	GLU
19	g3	75	GLU
19	g3	76	GLU
19	g3	106	GLU
19	g3	148	GLU
19	g3	149	VAL
20	h3	14	VAL
20	h3	23	SER
20	h3	25	GLU
20	h3	109	LEU
20	h3	114	GLU
20	h3	118	SER
20	h3	135	GLU
19	i3	7	SER
19	i3	24	ASP
19	i3	25	ARG
19	i3	26	ILE
19	i3	34	GLN
19	i3	48	GLU
19	i3	75	GLU
19	i3	76	GLU
19	i3	106	GLU
19	i3	148	GLU
19	i3	149	VAL

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Mol	Chain	Res	Type
20	j3	14	VAL
20	j3	23	SER
20	j3	25	GLU
20	j3	109	LEU
20	j3	114	GLU
20	j3	118	SER
20	j3	135	GLU
20	k3	14	VAL
20	k3	23	SER
20	k3	25	GLU
20	k3	109	LEU
20	k3	114	GLU
20	k3	118	SER
20	k3	135	GLU
19	l3	7	SER
19	l3	24	ASP
19	l3	25	ARG
19	l3	26	ILE
19	l3	34	GLN
19	l3	48	GLU
19	l3	75	GLU
19	l3	76	GLU
19	l3	106	GLU
19	l3	148	GLU
19	l3	149	VAL
19	m3	7	SER
19	m3	24	ASP
19	m3	25	ARG
19	m3	26	ILE
19	m3	34	GLN
19	m3	48	GLU
19	m3	75	GLU
19	m3	77	MET
19	m3	106	GLU
19	m3	148	GLU
19	m3	149	VAL
20	n3	14	VAL
20	n3	23	SER
20	n3	25	GLU
20	n3	62	TYR
20	n3	109	LEU
20	n3	114	GLU

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Mol	Chain	Res	Type
20	n3	118	SER
20	n3	135	GLU
20	o3	14	VAL
20	o3	23	SER
20	o3	25	GLU
20	o3	109	LEU
20	o3	114	GLU
20	o3	118	SER
20	o3	135	GLU
19	p3	7	SER
19	p3	24	ASP
19	p3	25	ARG
19	p3	26	ILE
19	p3	34	GLN
19	p3	48	GLU
19	p3	75	GLU
19	p3	76	GLU
19	p3	106	GLU
19	p3	148	GLU
19	p3	149	VAL
20	q3	14	VAL
20	q3	23	SER
20	q3	25	GLU
20	q3	109	LEU
20	q3	114	GLU
20	q3	118	SER
20	q3	135	GLU
19	r3	7	SER
19	r3	24	ASP
19	r3	25	ARG
19	r3	26	ILE
19	r3	35	ARG
19	r3	36	ARG
19	r3	48	GLU
19	r3	52	LYS
19	r3	53	GLN
19	r3	75	GLU
19	r3	76	GLU
19	r3	106	GLU
19	r3	145	ASP
19	r3	148	GLU
19	r3	149	VAL

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Mol	Chain	Res	Type
20	s3	14	VAL
20	s3	23	SER
20	s3	25	GLU
20	s3	66	THR
20	s3	109	LEU
20	s3	114	GLU
20	s3	118	SER
20	s3	135	GLU
19	t3	7	SER
19	t3	24	ASP
19	t3	25	ARG
19	t3	26	ILE
19	t3	34	GLN
19	t3	48	GLU
19	t3	75	GLU
19	t3	76	GLU
19	t3	106	GLU
19	t3	148	GLU
19	t3	149	VAL
20	u3	14	VAL
20	u3	23	SER
20	u3	25	GLU
20	u3	109	LEU
20	u3	114	GLU
20	u3	118	SER
20	u3	135	GLU
19	v3	7	SER
19	v3	24	ASP
19	v3	25	ARG
19	v3	26	ILE
19	v3	34	GLN
19	v3	48	GLU
19	v3	78	THR
19	v3	106	GLU
19	v3	148	GLU
19	v3	149	VAL
20	w3	14	VAL
20	w3	23	SER
20	w3	25	GLU
20	w3	109	LEU
20	w3	114	GLU
20	w3	118	SER

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Mol	Chain	Res	Type
20	w3	135	GLU
21	x3	10	SER
21	x3	13	ASP
21	x3	24	GLU
21	x3	49	GLU
21	x3	56	LYS
21	x3	144	GLU
22	y3	3	ASP
22	y3	7	SER
22	y3	15	SER
22	y3	98	SER
22	y3	112	GLU
23	z3	47	THR
23	z3	74	VAL
24	63	489	ASN
24	63	520	LYS
24	73	482	ARG
24	73	489	ASN
24	73	519	GLN
24	73	520	LYS
24	73	698	VAL
3	C4	140	VAL
2	D4	85	ASP
2	D4	160[A]	SER
2	D4	160[B]	SER
2	F4	163[A]	SER
2	F4	163[B]	SER
3	G4	140	VAL
2	H4	19	VAL
2	L4	53[A]	SER
2	L4	53[B]	SER
3	M4	140	VAL
2	N4	15	LYS
2	N4	62	GLU
2	N4	128	ILE
3	Q4	140	VAL
3	S4	54	GLU
3	U4	53	LYS
2	V4	67	ILE
3	W4	140	VAL
3	a4	137	ARG
3	a4	140	VAL

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Mol	Chain	Res	Type
3	d4	134	THR
2	e4	163[A]	SER
2	e4	163[B]	SER
3	f4	140	VAL
3	h4	140	VAL
3	j4	54	GLU
3	j4	137	ARG
3	l4	67	LYS
3	l4	140	VAL
2	m4	19	VAL
2	m4	85	ASP
25	b4	41	ASP
25	b4	173	THR
25	b4	209	ARG
25	b4	242	TRP
25	b4	298	LYS
3	L5	82	CYS
3	N5	114	ARG
2	Q5	113	LEU
3	T5	23	ASP
3	T5	88	HIS
3	T5	96	CYS
2	U5	132[A]	SER
2	U5	132[B]	SER
26	d5	217	SER
26	d5	281	SER
26	d5	283	ARG
26	d5	284	LEU
26	d5	285	VAL
26	d5	288	ARG
26	d5	297	MET
26	d5	299	LEU
26	d5	324	ASP
26	d5	327	SER
26	d5	328	LYS
26	d5	329	MET
26	d5	331	GLN
6	A5	60	ARG
6	A5	64	THR
6	A5	93	VAL
6	A5	274	CYS
3	B5	33	ARG

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Mol	Chain	Res	Type
3	B5	140	VAL
3	D5	42	GLU
3	D5	59	CYS
3	D5	140	VAL
2	E5	145	THR
3	F5	8	VAL
2	I5	39	ASP
2	K5	61	CYS
3	V5	17	ARG
2	W5	3	ASP
2	W5	82	CYS
3	X5	116	VAL
8	G6	30	ARG
9	H6	77	ARG
8	K6	50	ARG
9	L6	77	ARG
9	L6	98	ILE
9	L6	104	VAL
8	M6	30	ARG
8	M6	79	ILE
9	N6	74	TYR
9	N6	75	THR
7	B6	29	TYR
7	B6	171	SER
7	B6	172	LYS
7	B6	191	LYS
7	B6	192	LEU
7	B6	195	THR
7	B6	199	TRP
7	B6	202	PRO
7	B6	203	ILE
7	B6	205	ARG
7	B6	207	ARG
7	B6	209	GLN
7	B6	211	GLN
7	B6	212	GLN
7	B6	214	LYS
7	B6	221	PHE
7	B6	222	LEU
7	B6	226	GLN
7	B6	227	GLU
8	E6	69	MET

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Mol	Chain	Res	Type
8	E6	79	ILE
3	Q6	53	LYS
3	Q6	142	ARG
2	T6	39	ASP
2	V6	61	CYS
2	V6	134	MET
2	V6	135	LYS
2	V6	149	ARG
2	V6	151	MET
3	W6	53	LYS
3	W6	140	VAL
10	X6	111	MET
10	X6	113	LYS
10	X6	114	GLN
10	X6	277	THR
10	X6	312	TYR
2	k6	22	SER
2	k6	23	ASP
2	k6	24	LEU
2	k6	25	GLN
2	k6	27	LEU
2	k6	28	LYS
2	k6	30	PHE
2	k6	31	ILE
2	k6	33	ASP
2	k6	137	GLN
2	k6	139	VAL
2	k6	142	ILE
2	k6	145	THR
2	k6	150	LYS
3	l6	135	ARG
3	l6	136	ASP
3	l6	137	ARG
3	l6	138	LEU
3	l6	142	ARG
3	l6	143	ASP
3	l6	144	MET
2	a6	39	ASP
2	a6	149	ARG
2	a6	150	LYS
2	a6	151	MET
2	a6	171	ARG

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Mol	Chain	Res	Type
3	b6	140	VAL
2	c6	51	MET
3	I7	85	ASP
2	J7	108	ARG
2	J7	114	LYS
2	J7	176	ILE
3	K7	137	ARG
27	b7	37	THR
27	b7	44	VAL
27	b7	51	LYS
27	b7	64	SER
27	b7	67	ASP
27	b7	76	ARG
27	b7	88	VAL
27	b7	132	SER
27	b7	162	GLU
27	b7	165	SER
27	b7	177	GLU
27	b7	225	THR
27	b7	231	SER
27	b7	243	LEU
27	b7	248	ILE
27	b7	259	THR
27	b7	263	LEU
27	b7	276	LYS
27	b7	289	GLU
27	b7	291	ILE
27	b7	295	ASP
27	b7	299	ILE
27	b7	303	THR
27	b7	305	LEU
27	b7	307	SER
27	b7	309	ASP
27	b7	310	LYS
27	b7	327	HIS
27	b7	331	SER
27	b7	341	MET
27	b7	346	GLN
27	b7	348	LEU
27	b7	351	CYS
27	b7	353	LYS
27	b7	355	LYS

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Mol	Chain	Res	Type
27	b7	359	ASN
27	b7	364	LYS
27	b7	366	MET
27	b7	367	LYS
27	b7	368	TYR
27	b7	369	TYR
27	b7	373	THR
27	b7	391	ARG
27	b7	396	THR
27	b7	399	LYS
27	b7	400	VAL
3	Q7	54	GLU
3	Q7	114	ARG
3	S7	54	GLU
2	V7	3	ASP
2	V7	108	ARG
2	V7	114	LYS
3	W7	53	LYS
3	W7	54	GLU
3	W7	59	CYS
27	Y7	37	THR
27	Y7	44	VAL
27	Y7	51	LYS
27	Y7	64	SER
27	Y7	67	ASP
27	Y7	76	ARG
27	Y7	88	VAL
27	Y7	132	SER
27	Y7	162	GLU
27	Y7	165	SER
27	Y7	177	GLU
27	Y7	225	THR
27	Y7	231	SER
27	Y7	243	LEU
27	Y7	248	ILE
27	Y7	259	THR
27	Y7	263	LEU
27	Y7	275	GLU
27	Y7	289	GLU
27	Y7	291	ILE
27	Y7	295	ASP
27	Y7	299	ILE

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Mol	Chain	Res	Type
27	Y7	303	THR
27	Y7	305	LEU
27	Y7	307	SER
27	Y7	309	ASP
27	Y7	310	LYS
27	Y7	326	GLU
27	Y7	330	VAL
27	Y7	331	SER
27	Y7	341	MET
27	Y7	346	GLN
27	Y7	347	MET
27	Y7	348	LEU
27	Y7	353	LYS
27	Y7	355	LYS
27	Y7	359	ASN
27	Y7	362	THR
27	Y7	364	LYS
27	Y7	365	TRP
27	Y7	366	MET
27	Y7	368	TYR
27	Y7	373	THR
27	Y7	391	ARG
27	Y7	396	THR
27	Y7	399	LYS
27	Y7	400	VAL
27	Y7	401	LYS
27	Y7	402	ILE
2	V8	39	ASP
2	Z8	149	ARG
3	C8	52	VAL
2	D8	163[A]	SER
2	D8	163[B]	SER
2	D8	172	VAL
2	D8	176	ILE
2	D8	177	SER
2	F8	39	ASP
3	G8	140	VAL
3	I8	137	ARG
3	I8	139	CYS
3	I8	140	VAL
2	J8	53[A]	SER
2	J8	53[B]	SER

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Mol	Chain	Res	Type
3	K8	59	CYS
2	L8	39	ASP
2	N8	160[A]	SER
2	N8	160[B]	SER
2	R8	53[A]	SER
2	R8	53[B]	SER
2	T8	39	ASP
3	U8	140	VAL
3	a8	53	LYS
3	c8	53	LYS
2	d8	62	GLU
3	e8	24	LEU
3	e8	159	LEU
3	i8	84	ARG
2	j8	160[A]	SER
2	j8	160[B]	SER
3	k8	7	THR
3	k8	140	VAL
2	l8	38	LEU
2	l8	39	ASP
2	l8	42	ASN
3	m8	114	ARG
3	m8	140	VAL
2	n8	135	LYS
3	o8	84	ARG
3	o8	140	VAL
2	p8	163[A]	SER
2	p8	163[B]	SER
3	q8	102	THR
3	q8	114	ARG
2	r8	113	LEU
2	r8	163[A]	SER
2	r8	163[B]	SER
3	s8	114	ARG
3	s8	137	ARG
3	u8	2	LYS
12	w8	64	LYS
12	x8	215	LYS
13	y8	291	ARG
28	z8	29	SER
28	z8	30	SER
28	z8	38	PHE

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Mol	Chain	Res	Type
28	z8	213	ARG
28	z8	280	VAL
28	z8	286	GLN
28	z8	287	ARG
28	z8	295	LYS
28	z8	375	GLU
28	z8	377	GLN
28	z8	380	ARG
28	z8	381	VAL
28	z8	382	LYS
28	z8	383	GLN
28	z8	392	LEU
28	z8	394	LEU
28	z8	398	GLU
28	z8	404	THR
28	z8	408	GLN
28	z8	413	LYS
28	z8	416	VAL
28	z8	417	LYS
28	z8	418	PRO
28	z8	421	ILE
28	z8	431	ASN
28	z8	432	GLU
28	z8	434	GLU
28	z8	437	ILE
28	z8	439	GLN
28	z8	441	ASP
28	z8	442	LYS
28	z8	444	ILE
28	z8	446	VAL
28	z8	447	THR
28	z8	448	VAL
28	z8	454	ASP
28	z8	456	THR
28	z8	457	GLU
28	z8	458	LYS
28	z8	459	LEU
28	z8	460	ARG
28	z8	464	GLU
28	z8	466	GLU
28	z8	467	GLU
28	z8	472	ARG

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Mol	Chain	Res	Type
28	z8	490	ASP
3	A9	2	LYS
3	A9	43	LYS
3	A9	71	GLU
3	A9	115	GLU
3	A9	144	MET
3	A9	157	ASP
3	A9	161	ASN
3	C9	2	LYS
3	C9	43	LYS
3	C9	71	GLU
3	C9	115	GLU
3	C9	144	MET
3	C9	157	ASP
3	C9	161	ASN
3	E9	2	LYS
3	E9	43	LYS
3	E9	71	GLU
3	E9	115	GLU
3	E9	144	MET
3	E9	157	ASP
3	E9	161	ASN
3	G9	2	LYS
3	G9	26	SER
3	G9	38	LEU
3	G9	43	LYS
3	G9	71	GLU
3	G9	115	GLU
3	G9	144	MET
3	G9	157	ASP
3	G9	161	ASN
3	I9	2	LYS
3	I9	43	LYS
3	I9	71	GLU
3	I9	115	GLU
3	I9	144	MET
3	I9	157	ASP
3	I9	161	ASN
3	I9	163	LEU
3	K9	2	LYS
3	K9	43	LYS
3	K9	71	GLU

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Mol	Chain	Res	Type
3	K9	115	GLU
3	K9	144	MET
3	K9	157	ASP
3	K9	161	ASN
14	M9	61	LYS
14	M9	63	LEU
14	M9	67	LYS
14	M9	68	ARG
14	M9	76	ARG
14	M9	82	ARG
14	M9	120	GLU
14	M9	165	LYS
14	M9	189	ASP
14	M9	234	GLU
3	N9	2	LYS
3	N9	43	LYS
3	N9	71	GLU
3	N9	115	GLU
3	N9	144	MET
3	N9	157	ASP
3	N9	161	ASN
3	P9	2	LYS
3	P9	43	LYS
3	P9	71	GLU
3	P9	115	GLU
3	P9	144	MET
3	P9	157	ASP
3	P9	161	ASN
3	R9	2	LYS
3	R9	43	LYS
3	R9	71	GLU
3	R9	115	GLU
3	R9	144	MET
3	R9	157	ASP
3	R9	161	ASN
3	T9	2	LYS
3	T9	24	LEU
3	T9	43	LYS
3	T9	71	GLU
3	T9	115	GLU
3	T9	144	MET
3	T9	157	ASP

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Mol	Chain	Res	Type
3	T9	161	ASN
3	V9	2	LYS
3	V9	43	LYS
3	V9	71	GLU
3	V9	115	GLU
3	V9	144	MET
3	V9	157	ASP
3	V9	161	ASN
3	X9	2	LYS
3	X9	43	LYS
3	X9	71	GLU
3	X9	115	GLU
3	X9	144	MET
3	X9	157	ASP
3	X9	161	ASN
14	Z9	62	PHE
14	Z9	63	LEU
14	Z9	75	LEU
14	Z9	76	ARG
14	Z9	82	ARG
14	Z9	120	GLU
14	Z9	161	ASN
14	Z9	165	LYS
14	Z9	189	ASP
14	Z9	234	GLU
29	fA	10	ILE
29	fA	34	ILE
29	fA	39	LYS
29	fA	55	ASP
29	fA	62	SER
29	fA	76	VAL
29	fA	108	GLU
29	fA	115	THR
29	fA	138	LEU
29	fA	156	LYS
29	fA	165	SER
29	fA	167	VAL
29	fA	171	LYS
29	fA	172	TYR
29	fA	177	LYS
29	fA	183	VAL
29	fA	216	THR

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Mol	Chain	Res	Type
29	fA	218	ASP
29	fA	219	GLU
29	fA	229	LYS
29	fA	232	VAL
29	fA	248	SER
29	fA	261	SER
29	fA	278	ASP
2	aA	1	MET
2	aA	3	ASP
2	aA	7	ARG
2	aA	15	LYS
5	cA	180	GLU
5	cA	183	GLU
5	cA	185	VAL
5	cA	187	LYS
5	cA	197	LYS
5	cA	202	ASP
5	cA	217	THR
5	cA	230	THR
5	cA	252	SER
5	cA	262	SER
5	cA	263	VAL
5	cA	266	SER
5	cA	280	VAL
5	cA	282	LYS
5	cA	288	THR
5	cA	297	ARG
5	cA	304	VAL
5	cA	309	VAL
5	cA	314	ASP
2	dA	149	ARG
2	eA	145	THR
2	gA	84	ARG
2	gA	88	ILE
2	gA	89	ILE
2	gA	90	LEU
2	gA	91	ARG
2	gA	92	TYR
2	gA	101	ASP
2	gA	103	SER
2	gA	104	VAL
2	gA	105	LEU

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Mol	Chain	Res	Type
2	gA	108	ARG
2	gA	113	LEU
29	hA	10	ILE
29	hA	34	ILE
29	hA	39	LYS
29	hA	55	ASP
29	hA	62	SER
29	hA	76	VAL
29	hA	108	GLU
29	hA	115	THR
29	hA	138	LEU
29	hA	156	LYS
29	hA	165	SER
29	hA	167	VAL
29	hA	177	LYS
29	hA	183	VAL
29	hA	216	THR
29	hA	219	GLU
29	hA	229	LYS
29	hA	232	VAL
29	hA	248	SER
29	hA	261	SER
29	hA	278	ASP
2	kB	145	THR
2	kB	150	LYS
3	lB	142	ARG
2	aB	39	ASP
2	aB	149	ARG
2	aB	150	LYS
2	aB	151	MET
2	aB	171	ARG
3	bB	140	VAL
2	cB	51	MET
3	hC	124	THR
2	iC	39	ASP
2	iC	132[A]	SER
2	iC	132[B]	SER
2	iC	149	ARG
3	jC	82	CYS
2	kC	82	CYS
2	kC	149	ARG
3	lC	24	LEU

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Mol	Chain	Res	Type
3	lC	102	THR
2	mC	122	VAL
2	mC	147	THR
2	cC	143	THR
2	cC	158	CYS
3	dC	53	LYS
3	dC	102	THR
3	dC	114	ARG
2	eC	109	CYS
2	eC	145	THR
3	bD	65	TYR
3	bD	67	LYS
3	bD	68	ASN
3	bD	138	LEU
3	dD	114	ARG
3	dD	137	ARG
2	eD	39	ASP
2	eD	50	CYS
3	fD	53	LYS
2	gD	39	ASP
2	gD	117	TYR
3	hD	2	LYS
2	kD	39	ASP
3	lD	51	VAL
3	lD	54	GLU
3	lD	57	ASP
3	lD	60	PHE
3	lD	67	LYS
3	lD	68	ASN
3	lD	71	GLU
3	lD	75	ASN
3	lD	76	GLN
3	lD	77	GLU
3	lD	79	ILE
3	lD	80	ASN
3	lD	81	LYS
3	lD	83	TYR
3	lD	102	THR
3	lD	140	VAL
3	bE	138	LEU
3	dE	114	ARG
3	dE	137	ARG

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Mol	Chain	Res	Type
2	eE	39	ASP
3	fE	53	LYS
2	gE	39	ASP
2	gE	117	TYR
3	hE	2	LYS
2	kE	39	ASP
3	lE	67	LYS
3	lE	75	ASN
3	lE	76	GLN
3	lE	78	LYS
3	lE	79	ILE
3	lE	80	ASN
3	lE	102	THR
3	lE	140	VAL
3	aF	53	LYS
3	cF	53	LYS
3	eF	24	LEU
3	eF	159	LEU
3	gF	53	LYS
3	iF	84	ARG
2	jF	160[A]	SER
2	jF	160[B]	SER
3	kF	7	THR
3	kF	140	VAL
2	lF	38	LEU
2	lF	39	ASP
2	lF	42	ASN
3	mF	114	ARG
3	mF	140	VAL
2	nF	135	LYS
3	oF	84	ARG
3	oF	140	VAL
2	pF	163[A]	SER
2	pF	163[B]	SER
3	qF	102	THR
3	qF	114	ARG
2	rF	113	LEU
2	rF	163[A]	SER
2	rF	163[B]	SER
3	sF	114	ARG
3	sF	137	ARG
3	uF	2	LYS

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Mol	Chain	Res	Type
12	wF	64	LYS
12	xF	215	LYS
13	yF	291	ARG
28	zF	29	SER
28	zF	30	SER
28	zF	38	PHE
28	zF	213	ARG
28	zF	280	VAL
28	zF	282	ARG
28	zF	284	LYS
28	zF	285	LEU
28	zF	286	GLN
28	zF	287	ARG
28	zF	295	LYS
28	zF	297	ASN
28	zF	301	ILE
28	zF	337	PRO
28	zF	338	GLN
28	zF	340	PHE
28	zF	345	LEU
28	zF	361	ARG
28	zF	363	ARG
28	zF	365	ARG
28	zF	367	VAL
28	zF	374	LYS
28	zF	377	GLN
28	zF	380	ARG
28	zF	381	VAL
28	zF	394	LEU
28	zF	398	GLU
28	zF	400	ASP
28	zF	406	LEU
28	zF	407	LEU
28	zF	413	LYS
28	zF	415	TYR
28	zF	417	LYS
28	zF	428	GLU
28	zF	431	ASN
28	zF	432	GLU
28	zF	433	ASP
28	zF	435	ILE
28	zF	441	ASP

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Mol	Chain	Res	Type
28	zF	443	LYS
28	zF	445	LYS
28	zF	450	ARG
28	zF	451	ASN
28	zF	452	LEU
28	zF	454	ASP
28	zF	455	ARG
28	zF	457	GLU
28	zF	458	LYS
28	zF	459	LEU
28	zF	460	ARG
28	zF	472	ARG
3	aH	54	GLU
3	aH	137	ARG
3	aH	140	VAL
3	dH	39	GLU
3	dH	127	TYR
3	fH	137	ARG
3	fH	140	VAL
2	gH	150	LYS
3	hH	137	ARG
3	lH	67	LYS
3	lH	76	GLN
25	bH	5	ARG
25	bH	173	THR
25	bH	211	MET
25	bH	344	GLU
25	bH	350	ARG
26	dJ	217	SER
26	dJ	226	ARG
26	dJ	281	SER
26	dJ	283	ARG
26	dJ	284	LEU
26	dJ	285	VAL
26	dJ	288	ARG
26	dJ	297	MET
26	dJ	299	LEU
26	dJ	324	ASP
26	dJ	327	SER
26	dJ	328	LYS
26	dJ	329	MET
26	dJ	331	GLN

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Mol	Chain	Res	Type
30	Y3	1	SER
30	Y3	10	VAL
30	Y3	12	ASN
30	Y3	35	TYR
30	Y3	36	LYS
30	Y3	40	LYS
30	Y3	41	ARG
30	Y3	42	ARG
30	Y3	44	PRO
30	Y3	52	LEU
30	Y3	58	MET
30	Y3	61	LYS
30	53	17	PHE
30	53	27	SER
30	53	31	TYR
30	53	32	LYS
30	53	36	LYS
30	53	37	ARG
30	53	38	ARG
30	53	48	LEU
30	53	54	MET
30	53	57	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (1096) such sidechains are listed below:

Mol	Chain	Res	Type
2	BA	47	ASN
2	BA	111	ASN
2	DA	111	ASN
2	GA	111	ASN
2	HA	11	ASN
2	HA	76	ASN
2	IA	25	GLN
3	JA	28	GLN
3	JA	32	GLN
3	JA	68	ASN
3	JA	161	ASN
4	KA	87	GLN
2	MA	111	ASN
2	NA	35	ASN
2	NA	47	ASN
2	NA	125	ASN

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Mol	Chain	Res	Type
2	QA	11	ASN
2	RA	76	ASN
2	SA	25	GLN
2	SA	47	ASN
2	SA	76	ASN
3	TA	68	ASN
3	TA	161	ASN
4	UA	87	GLN
4	UA	212	ASN
2	XA	47	ASN
2	ZA	137	GLN
6	AB	68	ASN
6	AB	77	GLN
6	AB	152	HIS
6	AB	232	GLN
6	AB	235	GLN
6	AB	269	HIS
6	AB	282	ASN
7	BB	53	GLN
7	BB	99	ASN
7	BB	121	ASN
7	BB	178	ASN
7	BB	196	GLN
7	BB	226	GLN
8	CB	61	ASN
9	DB	35	ASN
8	EB	68	GLN
8	EB	138	ASN
9	FB	35	ASN
8	GB	138	ASN
8	GB	159	ASN
9	HB	23	GLN
8	IB	68	GLN
9	JB	11	GLN
9	JB	35	ASN
8	KB	32	GLN
8	KB	138	ASN
9	LB	11	GLN
9	LB	35	ASN
9	LB	63	GLN
9	LB	65	GLN
9	LB	68	GLN

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Mol	Chain	Res	Type
8	MB	32	GLN
8	MB	148	ASN
9	NB	68	GLN
3	OB	21	ASN
2	PB	35	ASN
2	PB	76	ASN
3	QB	76	GLN
3	QB	161	ASN
2	RB	35	ASN
2	RB	47	ASN
2	RB	137	GLN
3	UB	76	GLN
3	UB	80	ASN
2	VB	47	ASN
3	WB	76	GLN
10	XB	71	ASN
10	XB	169	HIS
10	XB	281	GLN
2	YB	11	ASN
2	YB	35	ASN
2	YB	47	ASN
2	YB	137	GLN
6	AC	68	ASN
6	AC	232	GLN
7	BC	23	ASN
7	BC	211	GLN
8	CC	14	ASN
8	CC	61	ASN
8	CC	119	ASN
9	DC	21	ASN
9	DC	23	GLN
9	DC	54	ASN
9	DC	111	ASN
8	EC	145	GLN
9	FC	143	ASN
8	GC	49	GLN
8	GC	61	ASN
9	HC	63	GLN
8	IC	21	ASN
9	JC	11	GLN
9	JC	23	GLN
9	JC	143	ASN

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Mol	Chain	Res	Type
8	KC	14	ASN
8	KC	61	ASN
8	MC	15	GLN
9	NC	21	ASN
9	NC	118	GLN
9	NC	143	ASN
3	OC	28	GLN
3	OC	75	ASN
3	OC	80	ASN
3	OC	94	ASN
3	OC	147	GLN
2	PC	76	ASN
2	PC	111	ASN
3	QC	80	ASN
3	QC	94	ASN
3	SC	76	GLN
3	SC	80	ASN
3	SC	88	HIS
3	UC	161	ASN
2	VC	63	ASN
3	WC	88	HIS
10	XC	79	GLN
10	XC	341	ASN
3	ZC	80	ASN
3	ZC	147	GLN
6	AD	96	GLN
6	AD	149	ASN
7	BD	209	GLN
7	BD	226	GLN
8	CD	49	GLN
8	CD	61	ASN
8	CD	148	ASN
9	DD	35	ASN
9	DD	47	ASN
9	DD	118	GLN
9	FD	35	ASN
9	FD	111	ASN
9	FD	118	GLN
8	GD	14	ASN
8	GD	61	ASN
8	GD	145	GLN
9	HD	21	ASN

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Mol	Chain	Res	Type
9	HD	35	ASN
9	HD	118	GLN
8	ID	15	GLN
8	ID	25	GLN
8	ID	32	GLN
8	ID	138	ASN
8	ID	145	GLN
9	JD	21	ASN
9	JD	35	ASN
9	JD	47	ASN
9	JD	118	GLN
9	JD	132	GLN
8	KD	25	GLN
8	KD	145	GLN
9	LD	23	GLN
9	LD	35	ASN
9	LD	118	GLN
8	MD	49	GLN
8	MD	145	GLN
9	ND	21	ASN
9	ND	35	ASN
9	ND	63	GLN
9	ND	65	GLN
9	ND	118	GLN
3	OD	28	GLN
3	OD	88	HIS
3	OD	147	GLN
3	QD	68	ASN
3	SD	94	ASN
3	SD	147	GLN
2	TD	125	ASN
2	TD	137	GLN
3	UD	28	GLN
3	UD	94	ASN
2	VD	25	GLN
3	WD	88	HIS
3	WD	147	GLN
10	XD	314	GLN
10	XD	341	ASN
2	YD	125	ASN
3	ZD	88	HIS
3	ZD	147	GLN

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Mol	Chain	Res	Type
3	ZD	161	ASN
6	AE	96	GLN
6	AE	149	ASN
7	BE	209	GLN
7	BE	211	GLN
8	CE	49	GLN
8	CE	61	ASN
8	CE	148	ASN
9	DE	35	ASN
9	DE	118	GLN
9	FE	35	ASN
9	FE	111	ASN
9	FE	118	GLN
8	GE	14	ASN
8	GE	61	ASN
8	GE	145	GLN
9	HE	21	ASN
9	HE	35	ASN
9	HE	118	GLN
8	IE	15	GLN
8	IE	25	GLN
8	IE	32	GLN
8	IE	138	ASN
8	IE	145	GLN
9	JE	21	ASN
9	JE	35	ASN
9	JE	47	ASN
9	JE	118	GLN
8	KE	25	GLN
8	KE	145	GLN
9	LE	23	GLN
9	LE	35	ASN
9	LE	118	GLN
8	ME	49	GLN
8	ME	145	GLN
9	NE	21	ASN
9	NE	35	ASN
9	NE	65	GLN
9	NE	118	GLN
3	OE	28	GLN
3	OE	88	HIS
3	OE	147	GLN

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Mol	Chain	Res	Type
3	QE	68	ASN
3	SE	94	ASN
3	SE	147	GLN
2	TE	125	ASN
2	TE	137	GLN
3	UE	28	GLN
3	UE	94	ASN
2	VE	25	GLN
2	VE	137	GLN
3	WE	88	HIS
3	WE	147	GLN
10	XE	314	GLN
10	XE	341	ASN
2	YE	125	ASN
3	ZE	88	HIS
3	ZE	147	GLN
3	ZE	161	ASN
3	AF	30	ASN
3	AF	32	GLN
2	BF	47	ASN
2	BF	144	ASN
3	CF	30	ASN
2	DF	35	ASN
2	DF	47	ASN
3	EF	80	ASN
2	FF	47	ASN
2	FF	125	ASN
3	GF	94	ASN
3	IF	32	GLN
3	IF	94	ASN
3	IF	147	GLN
2	JF	47	ASN
3	KF	32	GLN
2	LF	11	ASN
2	LF	25	GLN
2	LF	35	ASN
2	LF	47	ASN
2	LF	63	ASN
2	LF	125	ASN
3	MF	32	GLN
3	MF	88	HIS
3	MF	94	ASN

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Mol	Chain	Res	Type
2	NF	47	ASN
3	OF	21	ASN
3	OF	80	ASN
2	PF	47	ASN
3	QF	76	GLN
3	QF	80	ASN
2	TF	47	ASN
3	UF	32	GLN
3	UF	76	GLN
3	UF	94	ASN
3	UF	147	GLN
2	VF	47	ASN
3	WF	21	ASN
3	WF	28	GLN
3	WF	32	GLN
3	WF	76	GLN
3	WF	94	ASN
3	WF	121	ASN
2	XF	35	ASN
2	XF	47	ASN
3	YF	76	GLN
2	ZF	47	ASN
11	MG	71	GLN
11	MG	75	GLN
11	MG	199	ASN
3	PG	161	ASN
11	ZG	71	GLN
11	ZG	75	GLN
11	ZG	199	ASN
12	AH	46	GLN
12	AH	65	GLN
12	AH	265	GLN
13	BH	209	ASN
3	CH	76	GLN
3	GH	80	ASN
3	GH	94	ASN
3	IH	76	GLN
3	IH	80	ASN
3	IH	94	ASN
2	JH	137	GLN
3	KH	28	GLN
2	LH	11	ASN

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Mol	Chain	Res	Type
2	LH	137	GLN
2	PH	47	ASN
3	SH	76	GLN
3	SH	80	ASN
3	UH	32	GLN
3	UH	76	GLN
2	VH	11	ASN
2	VH	42	ASN
2	VH	111	ASN
2	XH	63	ASN
3	YH	76	GLN
3	CI	94	ASN
2	DI	35	ASN
2	FI	76	ASN
2	FI	111	ASN
2	HI	42	ASN
2	HI	76	ASN
3	II	94	ASN
2	JI	11	ASN
2	JI	76	ASN
2	LI	111	ASN
14	MI	30	ASN
14	MI	39	GLN
14	MI	45	ASN
14	MI	51	ASN
14	MI	131	GLN
14	MI	169	GLN
14	MI	250	GLN
14	MI	297	ASN
2	OI	11	ASN
2	OI	35	ASN
3	PI	28	GLN
3	PI	32	GLN
2	QI	111	ASN
2	QI	144	ASN
2	SI	76	ASN
3	VI	94	ASN
2	WI	76	ASN
2	YI	42	ASN
2	YI	137	GLN
14	ZI	30	ASN
14	ZI	39	GLN

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Mol	Chain	Res	Type
14	ZI	51	ASN
14	ZI	169	GLN
14	ZI	250	GLN
14	ZI	297	ASN
6	AJ	96	GLN
6	AJ	110	GLN
6	AJ	136	GLN
6	AJ	149	ASN
6	AJ	209	GLN
3	BJ	68	ASN
2	CJ	11	ASN
2	CJ	25	GLN
2	CJ	63	ASN
3	DJ	94	ASN
2	EJ	11	ASN
3	FJ	94	ASN
2	GJ	11	ASN
3	HJ	76	GLN
3	HJ	80	ASN
3	HJ	94	ASN
2	IJ	11	ASN
2	IJ	111	ASN
3	JJ	21	ASN
3	JJ	28	GLN
3	JJ	147	GLN
3	LJ	28	GLN
3	LJ	75	ASN
3	LJ	147	GLN
2	MJ	11	ASN
2	MJ	25	GLN
2	OJ	25	GLN
3	PJ	68	ASN
3	PJ	121	ASN
3	PJ	147	GLN
2	QJ	11	ASN
2	QJ	47	ASN
2	QJ	63	ASN
2	QJ	76	ASN
3	RJ	94	ASN
3	RJ	161	ASN
3	VJ	21	ASN
3	VJ	28	GLN

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Mol	Chain	Res	Type
3	VJ	88	HIS
2	WJ	35	ASN
3	XJ	94	ASN
2	YJ	11	ASN
2	YJ	137	GLN
3	AK	68	ASN
3	CK	68	ASN
3	CK	76	GLN
3	CK	80	ASN
3	CK	94	ASN
2	DK	11	ASN
2	DK	35	ASN
2	DK	47	ASN
3	EK	28	GLN
3	EK	68	ASN
3	GK	28	GLN
3	GK	121	ASN
2	JK	11	ASN
3	KK	80	ASN
3	KK	161	ASN
2	LK	111	ASN
3	OK	21	ASN
3	QK	76	GLN
3	QK	80	ASN
3	UK	75	ASN
2	VK	47	ASN
3	WK	94	ASN
3	WK	147	GLN
6	YK	110	GLN
3	A1	47	ASN
3	A1	68	ASN
3	C1	68	ASN
3	C1	76	GLN
3	C1	80	ASN
3	C1	94	ASN
2	D1	11	ASN
2	D1	35	ASN
2	D1	47	ASN
3	E1	28	GLN
3	E1	68	ASN
3	G1	28	GLN
3	G1	121	ASN

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Mol	Chain	Res	Type
2	J1	11	ASN
3	K1	80	ASN
3	K1	161	ASN
2	L1	111	ASN
3	O1	21	ASN
3	Q1	76	GLN
3	Q1	80	ASN
2	V1	47	ASN
3	W1	94	ASN
3	W1	147	GLN
6	Y1	110	GLN
15	e1	165	HIS
15	e1	245	ASN
8	M2	15	GLN
9	N2	21	ASN
9	N2	118	GLN
9	N2	143	ASN
3	O2	28	GLN
3	O2	75	ASN
3	O2	80	ASN
3	O2	94	ASN
3	O2	147	GLN
2	P2	76	ASN
2	P2	111	ASN
3	Q2	80	ASN
3	Q2	94	ASN
3	S2	76	GLN
3	S2	80	ASN
3	S2	88	HIS
3	U2	161	ASN
6	A2	68	ASN
6	A2	232	GLN
7	B2	23	ASN
7	B2	211	GLN
8	C2	14	ASN
8	C2	61	ASN
8	C2	119	ASN
9	D2	21	ASN
9	D2	23	GLN
9	D2	54	ASN
9	D2	111	ASN
8	E2	145	GLN

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Mol	Chain	Res	Type
9	F2	143	ASN
8	G2	61	ASN
9	H2	63	GLN
8	I2	21	ASN
8	I2	49	GLN
9	J2	23	GLN
9	J2	47	ASN
9	J2	143	ASN
8	K2	14	ASN
8	K2	61	ASN
2	V2	63	ASN
3	W2	88	HIS
10	X2	79	GLN
10	X2	341	ASN
3	Z2	80	ASN
3	Z2	147	GLN
3	f2	94	ASN
2	g2	47	ASN
3	h2	68	ASN
2	i2	47	ASN
2	i2	76	ASN
3	j2	32	GLN
2	k2	144	ASN
3	l2	68	ASN
3	l2	80	ASN
3	l2	147	GLN
2	m2	11	ASN
2	m2	76	ASN
2	m2	111	ASN
3	b2	161	ASN
2	c2	47	ASN
2	c2	63	ASN
3	d2	21	ASN
3	d2	28	GLN
2	e2	144	ASN
16	23	62	ASN
17	33	98	GLN
17	33	203	ASN
18	43	140	ASN
18	43	150	HIS
18	43	201	ASN
19	A3	60	GLN

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Mol	Chain	Res	Type
19	A3	71	ASN
19	C3	71	ASN
20	D3	22	ASN
19	E3	71	ASN
19	G3	71	ASN
20	H3	22	ASN
20	I3	128	GLN
19	J3	10	ASN
19	J3	41	GLN
19	J3	71	ASN
19	K3	71	ASN
19	N3	71	ASN
19	P3	60	GLN
19	P3	71	ASN
19	R3	71	ASN
19	T3	71	ASN
20	U3	2	GLN
20	U3	10	ASN
21	V3	44	GLN
22	W3	72	ASN
22	W3	144	GLN
22	W3	172	ASN
16	Z3	62	ASN
16	Z3	67	GLN
17	a3	53	ASN
17	a3	54	GLN
17	a3	98	GLN
17	a3	203	ASN
18	b3	140	ASN
18	b3	150	HIS
19	c3	71	ASN
20	d3	22	ASN
19	e3	71	ASN
19	g3	71	ASN
19	i3	71	ASN
20	j3	22	ASN
20	j3	117	ASN
20	k3	131	GLN
19	l3	10	ASN
19	l3	41	GLN
19	l3	71	ASN
19	m3	71	ASN

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Mol	Chain	Res	Type
19	r3	34	GLN
19	r3	71	ASN
20	s3	128	GLN
19	t3	71	ASN
19	v3	71	ASN
19	v3	161	GLN
20	w3	2	GLN
20	w3	10	ASN
21	x3	44	GLN
22	y3	63	GLN
22	y3	144	GLN
24	63	51	ASN
24	63	169	ASN
24	63	251	GLN
24	63	261	GLN
24	63	307	ASN
24	63	331	GLN
24	63	350	ASN
24	63	415	GLN
24	63	425	GLN
24	63	447	ASN
24	63	515	ASN
24	63	542	ASN
24	63	552	ASN
24	63	557	ASN
24	63	677	GLN
24	63	705	GLN
24	63	724	GLN
24	63	755	GLN
24	63	800	GLN
24	63	816	GLN
24	63	824	ASN
24	63	849	ASN
24	63	878	ASN
24	73	48	ASN
24	73	169	ASN
24	73	307	ASN
24	73	350	ASN
24	73	415	GLN
24	73	425	GLN
24	73	453	GLN
24	73	490	GLN

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Mol	Chain	Res	Type
24	73	519	GLN
24	73	542	ASN
24	73	557	ASN
24	73	632	ASN
24	73	660	ASN
24	73	705	GLN
24	73	724	GLN
24	73	755	GLN
24	73	800	GLN
24	73	808	GLN
24	73	849	ASN
24	73	878	ASN
12	A4	84	GLN
12	A4	265	GLN
13	B4	56	ASN
13	B4	135	ASN
3	C4	76	GLN
3	C4	80	ASN
3	E4	32	GLN
3	E4	76	GLN
3	E4	80	ASN
3	G4	21	ASN
3	G4	32	GLN
3	G4	76	GLN
3	G4	80	ASN
3	G4	88	HIS
3	I4	76	GLN
3	I4	80	ASN
2	N4	111	ASN
2	N4	125	ASN
3	O4	32	GLN
3	Q4	76	GLN
3	U4	21	ASN
3	U4	32	GLN
3	U4	76	GLN
2	V4	11	ASN
2	X4	111	ASN
3	d4	76	GLN
3	d4	94	ASN
3	d4	161	ASN
2	e4	42	ASN
2	e4	63	ASN

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Mol	Chain	Res	Type
3	f4	161	ASN
2	g4	47	ASN
3	h4	80	ASN
3	h4	161	ASN
3	j4	32	GLN
2	k4	11	ASN
2	k4	47	ASN
3	l4	76	GLN
25	b4	179	ASN
25	b4	190	ASN
25	b4	241	ASN
25	b4	328	GLN
25	b4	331	ASN
25	b4	361	GLN
3	L5	28	GLN
3	L5	75	ASN
3	L5	147	GLN
2	M5	11	ASN
2	M5	25	GLN
2	O5	25	GLN
3	P5	68	ASN
3	P5	121	ASN
2	Q5	11	ASN
2	Q5	47	ASN
2	Q5	63	ASN
2	Q5	76	ASN
3	R5	94	ASN
3	R5	161	ASN
26	d5	152	GLN
26	d5	165	ASN
26	d5	193	GLN
26	d5	205	ASN
26	d5	310	GLN
26	d5	326	GLN
26	d5	331	GLN
6	A5	96	GLN
6	A5	110	GLN
6	A5	136	GLN
6	A5	149	ASN
6	A5	209	GLN
3	B5	68	ASN
2	C5	11	ASN

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Mol	Chain	Res	Type
2	C5	25	GLN
2	C5	63	ASN
3	D5	94	ASN
2	E5	11	ASN
3	F5	94	ASN
2	G5	11	ASN
3	H5	76	GLN
3	H5	80	ASN
3	H5	94	ASN
2	I5	11	ASN
2	I5	111	ASN
3	J5	21	ASN
3	J5	28	GLN
3	J5	68	ASN
3	J5	147	GLN
3	V5	21	ASN
3	V5	28	GLN
3	V5	88	HIS
2	W5	35	ASN
3	X5	94	ASN
2	Y5	11	ASN
2	Y5	137	GLN
9	F6	35	ASN
8	G6	138	ASN
8	G6	159	ASN
8	I6	61	ASN
8	I6	68	GLN
9	J6	11	GLN
9	J6	35	ASN
8	K6	32	GLN
8	K6	138	ASN
9	L6	11	GLN
9	L6	35	ASN
9	L6	63	GLN
9	L6	65	GLN
9	L6	68	GLN
9	L6	143	ASN
8	M6	25	GLN
8	M6	32	GLN
8	M6	148	ASN
9	N6	68	GLN
3	O6	21	ASN

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Mol	Chain	Res	Type
6	A6	68	ASN
6	A6	77	GLN
6	A6	152	HIS
6	A6	232	GLN
6	A6	235	GLN
6	A6	269	HIS
6	A6	282	ASN
7	B6	53	GLN
7	B6	99	ASN
7	B6	121	ASN
7	B6	178	ASN
7	B6	196	GLN
7	B6	211	GLN
7	B6	226	GLN
8	C6	61	ASN
9	D6	35	ASN
8	E6	68	GLN
2	P6	35	ASN
2	P6	76	ASN
3	Q6	76	GLN
3	Q6	161	ASN
2	R6	35	ASN
2	R6	47	ASN
2	R6	137	GLN
3	U6	76	GLN
3	U6	80	ASN
2	V6	47	ASN
3	W6	76	GLN
10	X6	71	ASN
10	X6	169	HIS
10	X6	281	GLN
2	Y6	11	ASN
2	Y6	35	ASN
2	Y6	47	ASN
2	Y6	137	GLN
3	j6	32	GLN
2	k6	11	ASN
2	k6	35	ASN
2	k6	47	ASN
2	k6	137	GLN
3	l6	32	GLN
3	l6	47	ASN

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Mol	Chain	Res	Type
2	a6	35	ASN
2	a6	47	ASN
3	b6	28	GLN
3	b6	76	GLN
3	b6	80	ASN
3	b6	161	ASN
2	c6	111	ASN
3	d6	21	ASN
3	d6	76	GLN
3	d6	94	ASN
2	e6	47	ASN
2	e6	76	ASN
3	f6	28	GLN
3	f6	94	ASN
3	f6	161	ASN
2	g6	35	ASN
3	h6	28	GLN
3	A7	76	GLN
3	A7	80	ASN
3	A7	121	ASN
3	A7	147	GLN
3	C7	28	GLN
3	C7	68	ASN
2	D7	35	ASN
3	E7	21	ASN
3	E7	28	GLN
3	E7	30	ASN
3	E7	68	ASN
3	E7	147	GLN
3	G7	28	GLN
3	G7	68	ASN
3	I7	68	ASN
3	K7	28	GLN
3	K7	76	GLN
3	K7	121	ASN
3	K7	147	GLN
2	L7	11	ASN
2	L7	35	ASN
27	b7	91	GLN
27	b7	316	GLN
27	b7	346	GLN
27	b7	383	ASN

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Mol	Chain	Res	Type
3	M7	28	GLN
3	M7	68	ASN
3	M7	147	GLN
3	O7	28	GLN
3	Q7	28	GLN
3	Q7	68	ASN
2	R7	125	ASN
3	S7	28	GLN
3	S7	68	ASN
3	U7	68	ASN
3	U7	147	GLN
3	W7	76	GLN
3	W7	147	GLN
2	X7	11	ASN
27	Y7	91	GLN
27	Y7	312	ASN
27	Y7	316	GLN
27	Y7	327	HIS
27	Y7	383	ASN
2	V8	47	ASN
3	W8	21	ASN
3	W8	28	GLN
3	W8	32	GLN
3	W8	94	ASN
3	W8	121	ASN
2	X8	35	ASN
2	X8	47	ASN
3	Y8	21	ASN
3	Y8	76	GLN
2	Z8	47	ASN
3	A8	30	ASN
3	A8	32	GLN
2	B8	47	ASN
2	B8	144	ASN
3	C8	30	ASN
2	D8	35	ASN
2	D8	47	ASN
3	E8	80	ASN
2	F8	47	ASN
2	F8	125	ASN
3	G8	94	ASN
3	I8	32	GLN

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Mol	Chain	Res	Type
3	I8	94	ASN
3	I8	147	GLN
2	J8	47	ASN
3	K8	32	GLN
2	L8	11	ASN
2	L8	35	ASN
2	L8	47	ASN
3	M8	32	GLN
3	M8	88	HIS
3	M8	94	ASN
2	N8	47	ASN
3	O8	21	ASN
3	O8	80	ASN
2	P8	47	ASN
3	Q8	76	GLN
3	Q8	80	ASN
2	T8	47	ASN
3	U8	32	GLN
3	U8	76	GLN
3	U8	94	ASN
3	U8	147	GLN
3	a8	75	ASN
3	a8	161	ASN
2	b8	47	ASN
2	d8	47	ASN
2	d8	63	ASN
3	e8	80	ASN
3	g8	32	GLN
3	g8	94	ASN
2	h8	11	ASN
3	i8	161	ASN
3	k8	21	ASN
3	k8	32	GLN
2	l8	144	ASN
3	m8	147	GLN
3	m8	161	ASN
2	n8	42	ASN
2	n8	47	ASN
2	p8	76	ASN
3	u8	147	GLN
13	y8	162	GLN
13	y8	209	ASN

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Mol	Chain	Res	Type
13	y8	274	HIS
28	z8	120	GLN
28	z8	151	GLN
28	z8	270	HIS
28	z8	286	GLN
28	z8	377	GLN
28	z8	439	GLN
3	A9	88	HIS
2	B9	11	ASN
2	B9	144	ASN
3	C9	28	GLN
3	C9	88	HIS
2	D9	11	ASN
2	D9	35	ASN
3	E9	88	HIS
3	G9	88	HIS
2	H9	144	ASN
3	I9	88	HIS
2	J9	11	ASN
3	K9	88	HIS
2	L9	11	ASN
14	M9	121	ASN
14	M9	135	GLN
14	M9	249	GLN
14	M9	296	ASN
3	N9	88	HIS
2	O9	25	GLN
2	O9	42	ASN
2	O9	137	GLN
3	P9	88	HIS
3	R9	88	HIS
2	S9	25	GLN
3	T9	88	HIS
2	U9	25	GLN
3	V9	28	GLN
3	V9	88	HIS
2	W9	35	ASN
3	X9	88	HIS
2	Y9	11	ASN
2	Y9	42	ASN
14	Z9	121	ASN
14	Z9	249	GLN

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Mol	Chain	Res	Type
14	Z9	296	ASN
29	fA	103	GLN
29	fA	235	GLN
29	fA	268	GLN
2	aA	11	ASN
2	aA	125	ASN
2	dA	25	GLN
2	gA	35	ASN
29	hA	103	GLN
29	hA	235	GLN
29	hA	268	GLN
3	jB	32	GLN
2	kB	11	ASN
2	kB	35	ASN
3	lB	32	GLN
2	mB	47	ASN
2	aB	35	ASN
2	aB	47	ASN
3	bB	28	GLN
3	bB	76	GLN
3	bB	80	ASN
3	bB	161	ASN
2	cB	111	ASN
3	dB	21	ASN
3	dB	68	ASN
3	dB	76	GLN
3	dB	94	ASN
2	eB	47	ASN
2	eB	76	ASN
3	fB	28	GLN
3	fB	94	ASN
3	fB	161	ASN
2	gB	35	ASN
3	hB	28	GLN
3	fC	94	ASN
2	gC	47	ASN
2	gC	76	ASN
3	hC	68	ASN
2	iC	47	ASN
2	iC	76	ASN
2	kC	144	ASN
3	lC	68	ASN

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Mol	Chain	Res	Type
3	lC	80	ASN
3	lC	147	GLN
2	mC	11	ASN
2	mC	76	ASN
2	mC	111	ASN
3	bC	161	ASN
2	cC	47	ASN
2	cC	63	ASN
3	dC	21	ASN
3	dC	28	GLN
2	eC	144	ASN
3	bD	21	ASN
3	bD	30	ASN
3	dD	28	GLN
3	dD	32	GLN
3	dD	94	ASN
3	fD	32	GLN
3	fD	147	GLN
2	gD	144	ASN
3	hD	121	ASN
2	iD	111	ASN
2	iD	137	GLN
3	jD	28	GLN
3	jD	68	ASN
2	kD	11	ASN
2	kD	137	GLN
3	lD	48	HIS
3	lD	76	GLN
3	lD	80	ASN
3	lD	88	HIS
2	mD	76	ASN
2	mD	125	ASN
3	bE	21	ASN
3	bE	30	ASN
3	dE	28	GLN
3	dE	32	GLN
3	dE	94	ASN
3	fE	32	GLN
3	fE	147	GLN
2	gE	144	ASN
3	hE	121	ASN
2	iE	111	ASN

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Mol	Chain	Res	Type
2	iE	137	GLN
2	iE	144	ASN
3	jE	28	GLN
3	jE	68	ASN
2	kE	11	ASN
3	lE	76	GLN
3	lE	80	ASN
2	mE	76	ASN
2	mE	125	ASN
3	aF	75	ASN
2	bF	47	ASN
2	dF	47	ASN
2	dF	63	ASN
3	eF	80	ASN
3	gF	32	GLN
3	gF	94	ASN
2	hF	11	ASN
2	hF	25	GLN
3	iF	161	ASN
3	kF	21	ASN
3	kF	32	GLN
2	lF	144	ASN
3	mF	147	GLN
3	mF	161	ASN
2	nF	42	ASN
2	nF	47	ASN
2	pF	76	ASN
3	uF	147	GLN
13	yF	162	GLN
13	yF	209	ASN
13	yF	274	HIS
28	zF	120	GLN
28	zF	219	ASN
28	zF	223	ASN
28	zF	248	ASN
28	zF	286	GLN
28	zF	300	GLN
28	zF	343	GLN
28	zF	377	GLN
28	zF	451	ASN
3	aH	28	GLN
3	aH	30	ASN

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Mol	Chain	Res	Type
3	aH	76	GLN
3	aH	80	ASN
3	dH	47	ASN
3	dH	68	ASN
2	eH	76	ASN
3	fH	30	ASN
2	iH	11	ASN
3	jH	32	GLN
2	kH	42	ASN
3	lH	32	GLN
3	lH	76	GLN
2	mH	11	ASN
25	bH	9	GLN
25	bH	126	HIS
25	bH	138	GLN
25	bH	179	ASN
25	bH	217	ASN
25	bH	361	GLN
26	dJ	152	GLN
26	dJ	165	ASN
26	dJ	193	GLN
26	dJ	205	ASN
26	dJ	310	GLN
26	dJ	326	GLN
26	dJ	331	GLN
15	eK	165	HIS
15	eK	245	ASN
15	eK	271	ASN
30	Y3	47	ASN
30	53	43	ASN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

334 non-standard protein/DNA/RNA residues are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The

Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	RC	72	2	7,8,9	0.82	0	6,9,11	1.14	1 (16%)
2	MEN	JK	72	2	7,8,9	0.86	0	6,9,11	1.43	1 (16%)
2	MEN	VF	72	2,31	7,8,9	1.38	1 (14%)	6,9,11	1.60	1 (16%)
9	MEN	DC	72	9	7,8,9	0.86	0	6,9,11	1.59	2 (33%)
2	MEN	RD	72	2	7,8,9	0.92	0	6,9,11	1.47	1 (16%)
2	MEN	IJ	72	2	7,8,9	0.87	0	6,9,11	1.67	1 (16%)
2	MEN	PC	72	2	7,8,9	0.88	0	6,9,11	1.68	2 (33%)
9	MEN	LC	72	9	7,8,9	0.91	0	6,9,11	2.59	2 (33%)
2	MEN	P8	72	2,31	7,8,9	1.57	1 (14%)	6,9,11	2.54	2 (33%)
2	MEN	YI	72	2	7,8,9	0.96	0	6,9,11	1.26	1 (16%)
2	MEN	a2	72	2	7,8,9	0.92	0	6,9,11	1.33	1 (16%)
9	MEN	D6	72	9	7,8,9	0.90	0	6,9,11	1.36	2 (33%)
2	MEN	bA	72	2	7,8,9	0.68	0	6,9,11	0.75	0
2	MEN	YJ	72	2	7,8,9	0.88	0	6,9,11	1.63	1 (16%)
2	MEN	m2	72	2	7,8,9	0.86	0	6,9,11	1.32	1 (16%)
2	MEN	VD	72	2	7,8,9	0.81	0	6,9,11	1.52	2 (33%)
2	MEN	aB	72	2	7,8,9	0.86	0	6,9,11	1.45	2 (33%)
2	MEN	XF	72	2,31	7,8,9	1.93	1 (14%)	6,9,11	3.17	2 (33%)
2	MEN	DA	72	2	7,8,9	0.83	0	6,9,11	1.23	0
2	MEN	FI	72	2	7,8,9	0.88	0	6,9,11	1.68	2 (33%)
9	MEN	F2	72	9	7,8,9	0.92	0	6,9,11	1.39	1 (16%)
9	MEN	LE	72	9	7,8,9	0.95	0	6,9,11	1.62	2 (33%)
2	MEN	OG	72	2	7,8,9	0.92	0	6,9,11	1.35	1 (16%)
9	MEN	FB	72	9	7,8,9	0.90	0	6,9,11	1.52	1 (16%)
2	MEN	Z8	72	2	7,8,9	0.91	0	6,9,11	1.41	1 (16%)
2	MEN	aE	72	2	7,8,9	0.87	0	6,9,11	1.70	2 (33%)
2	MEN	NH	72	2	7,8,9	0.94	0	6,9,11	1.54	2 (33%)
2	MEN	HI	72	2	7,8,9	0.92	0	6,9,11	1.49	2 (33%)
2	MEN	Z4	72	2	7,8,9	0.87	0	6,9,11	1.60	1 (16%)
2	MEN	NA	72	2	7,8,9	0.81	0	6,9,11	0.44	0
2	MEN	eD	72	2	7,8,9	0.84	0	6,9,11	1.48	1 (16%)
2	MEN	HK	72	2	7,8,9	0.90	0	6,9,11	1.76	1 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	P2	72	2	7,8,9	0.88	0	6,9,11	1.68	2 (33%)
20	MEN	Q3	71	20	7,8,9	27.43	6 (85%)	6,9,11	17.29	6 (100%)
2	MEN	H1	72	2	7,8,9	0.91	0	6,9,11	1.77	1 (16%)
9	MEN	D2	72	9	7,8,9	0.86	0	6,9,11	1.58	2 (33%)
2	MEN	R2	72	2	7,8,9	0.83	0	6,9,11	1.14	1 (16%)
2	MEN	R1	72	2	7,8,9	0.92	0	6,9,11	1.19	0
2	MEN	I5	72	2	7,8,9	0.83	0	6,9,11	1.63	1 (16%)
2	MEN	kE	72	2	7,8,9	0.88	0	6,9,11	1.48	1 (16%)
2	MEN	D1	72	2	7,8,9	0.87	0	6,9,11	1.08	1 (16%)
2	MEN	OJ	72	2	7,8,9	0.92	0	6,9,11	1.29	2 (33%)
2	MEN	DG	72	2	7,8,9	0.97	0	6,9,11	1.24	1 (16%)
2	MEN	N8	72	2,31	7,8,9	1.52	1 (14%)	6,9,11	2.76	3 (50%)
9	MEN	DB	72	9	7,8,9	0.87	0	6,9,11	1.34	2 (33%)
2	MEN	YD	72	2	7,8,9	0.93	0	6,9,11	1.31	1 (16%)
2	MEN	BA	72	2	7,8,9	0.80	0	6,9,11	1.25	1 (16%)
9	MEN	NB	72	9	7,8,9	1.55	1 (14%)	6,9,11	4.21	2 (33%)
9	MEN	HE	72	9	7,8,9	0.91	0	6,9,11	1.44	2 (33%)
2	MEN	PD	72	2	7,8,9	0.83	0	6,9,11	1.59	1 (16%)
2	MEN	X1	72	2	7,8,9	0.93	0	6,9,11	1.61	2 (33%)
2	MEN	k4	72	2	7,8,9	0.88	0	6,9,11	1.45	1 (16%)
2	MEN	J9	72	2	7,8,9	0.87	0	6,9,11	1.59	2 (33%)
2	MEN	cD	72	2	7,8,9	0.88	0	6,9,11	1.08	1 (16%)
2	MEN	X7	72	2	7,8,9	0.87	0	6,9,11	1.69	1 (16%)
2	MEN	MJ	72	2	7,8,9	0.89	0	6,9,11	1.74	2 (33%)
2	MEN	U9	72	2	7,8,9	0.90	0	6,9,11	1.72	1 (16%)
2	MEN	F4	72	2	7,8,9	0.87	0	6,9,11	1.53	1 (16%)
2	MEN	CA	72	2	7,8,9	0.71	0	6,9,11	1.14	1 (16%)
2	MEN	Y5	72	2	7,8,9	0.91	0	6,9,11	1.66	1 (16%)
2	MEN	N7	72	2	7,8,9	0.89	0	6,9,11	1.53	1 (16%)
2	MEN	RA	72	2	7,8,9	0.79	0	6,9,11	1.08	1 (16%)
2	MEN	cE	72	2	7,8,9	0.90	0	6,9,11	1.10	1 (16%)
9	MEN	FD	72	9	7,8,9	0.86	0	6,9,11	1.53	1 (16%)
2	MEN	P6	72	2	7,8,9	0.93	0	6,9,11	1.22	0
2	MEN	RB	72	2	7,8,9	0.88	0	6,9,11	1.43	2 (33%)
2	MEN	Q9	72	2	7,8,9	0.92	0	6,9,11	1.68	1 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	R8	72	2,31	7,8,9	1.77	1 (14%)	6,9,11	3.13	2 (33%)
2	MEN	FF	72	2,31	7,8,9	1.95	1 (14%)	6,9,11	3.67	3 (50%)
2	MEN	GJ	72	2	7,8,9	0.88	0	6,9,11	1.79	2 (33%)
2	MEN	YC	72	2	7,8,9	0.95	0	6,9,11	1.30	1 (16%)
9	MEN	H2	72	9	7,8,9	0.85	0	6,9,11	1.53	1 (16%)
20	MEN	h3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	P7	72	2	7,8,9	0.90	0	6,9,11	1.50	1 (16%)
2	MEN	c2	72	2	7,8,9	0.83	0	6,9,11	1.84	1 (16%)
9	MEN	N2	72	9	7,8,9	0.98	0	6,9,11	1.12	0
9	MEN	JC	72	9	7,8,9	0.83	0	6,9,11	1.65	1 (16%)
2	MEN	VK	72	2	7,8,9	0.87	0	6,9,11	1.40	1 (16%)
20	MEN	I3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.16	6 (100%)
2	MEN	OA	72	2	7,8,9	0.82	0	6,9,11	1.13	1 (16%)
20	MEN	F3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	R7	72	2	7,8,9	0.85	0	6,9,11	1.86	2 (33%)
2	MEN	V8	72	2,31	7,8,9	1.39	1 (14%)	6,9,11	1.60	1 (16%)
2	MEN	PH	72	2	7,8,9	0.88	0	6,9,11	1.48	1 (16%)
9	MEN	NC	72	9	7,8,9	0.97	0	6,9,11	1.13	0
2	MEN	gB	72	2	7,8,9	0.90	0	6,9,11	1.40	1 (16%)
2	MEN	GA	72	2	7,8,9	0.79	0	6,9,11	1.29	1 (16%)
2	MEN	X8	72	2,31	7,8,9	1.93	1 (14%)	6,9,11	3.18	2 (33%)
2	MEN	m6	72	2	7,8,9	0.88	0	6,9,11	1.54	2 (33%)
9	MEN	JB	72	9	7,8,9	0.87	0	6,9,11	1.85	2 (33%)
9	MEN	N6	72	9	7,8,9	1.65	2 (28%)	6,9,11	4.38	2 (33%)
2	MEN	aA	72	2	7,8,9	0.82	0	6,9,11	0.78	0
2	MEN	SA	72	2	7,8,9	0.78	0	6,9,11	0.98	0
2	MEN	PF	72	2,31	7,8,9	1.54	1 (14%)	6,9,11	2.54	2 (33%)
2	MEN	LH	72	2	7,8,9	0.92	0	6,9,11	1.38	2 (33%)
2	MEN	eC	72	2	7,8,9	0.92	0	6,9,11	1.28	1 (16%)
2	MEN	i2	72	2	7,8,9	0.85	0	6,9,11	1.39	1 (16%)
2	MEN	TB	72	2	7,8,9	0.81	0	6,9,11	1.62	2 (33%)
2	MEN	BG	72	2	7,8,9	0.87	0	6,9,11	1.49	1 (16%)
2	MEN	J1	72	2	7,8,9	0.85	0	6,9,11	1.41	1 (16%)
2	MEN	K5	72	2	7,8,9	0.88	0	6,9,11	1.44	1 (16%)
9	MEN	FC	72	9	7,8,9	0.89	0	6,9,11	1.40	1 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	HG	72	2	7,8,9	0.89	0	6,9,11	1.37	1 (16%)
2	MEN	ZA	72	2	7,8,9	0.65	0	6,9,11	0.55	0
20	MEN	q3	71	20	7,8,9	0.82	0	6,9,11	1.14	1 (16%)
2	MEN	B8	72	2,31	7,8,9	1.61	1 (14%)	6,9,11	3.01	1 (16%)
2	MEN	nF	72	2,31	7,8,9	1.41	1 (14%)	6,9,11	1.45	1 (16%)
2	MEN	YE	72	2	7,8,9	0.94	0	6,9,11	1.32	1 (16%)
2	MEN	L4	72	2	7,8,9	0.86	0	6,9,11	1.44	1 (16%)
2	MEN	jF	72	2,31	7,8,9	1.32	1 (14%)	6,9,11	1.79	2 (33%)
2	MEN	e2	72	2	7,8,9	0.91	0	6,9,11	1.27	1 (16%)
2	MEN	H7	72	2	7,8,9	0.87	0	6,9,11	1.50	1 (16%)
2	MEN	UI	72	2	7,8,9	0.94	0	6,9,11	1.29	2 (33%)
2	MEN	f8	72	2,31	7,8,9	1.28	1 (14%)	6,9,11	2.31	2 (33%)
2	MEN	eH	72	2	7,8,9	0.91	0	6,9,11	1.50	2 (33%)
2	MEN	J4	72	2	7,8,9	0.88	0	6,9,11	1.67	2 (33%)
20	MEN	d3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.16	6 (100%)
2	MEN	eE	72	2	7,8,9	0.83	0	6,9,11	1.48	1 (16%)
2	MEN	gE	72	2	7,8,9	0.84	0	6,9,11	1.53	1 (16%)
2	MEN	R4	72	2	7,8,9	0.88	0	6,9,11	1.29	1 (16%)
2	MEN	WI	72	2	7,8,9	0.92	0	6,9,11	1.32	1 (16%)
2	MEN	W5	72	2	7,8,9	0.89	0	6,9,11	1.43	1 (16%)
2	MEN	VE	72	2	7,8,9	0.82	0	6,9,11	1.51	2 (33%)
2	MEN	N1	72	2	7,8,9	0.92	0	6,9,11	1.45	1 (16%)
2	MEN	X4	72	2	7,8,9	0.87	0	6,9,11	1.56	2 (33%)
2	MEN	v8	72	2,31	7,8,9	1.42	1 (14%)	6,9,11	1.13	0
2	MEN	F1	72	2	7,8,9	1.01	0	6,9,11	1.62	2 (33%)
2	MEN	LK	72	2	7,8,9	0.89	0	6,9,11	1.18	0
2	MEN	t8	72	2,31	7,8,9	1.19	1 (14%)	6,9,11	1.45	1 (16%)
2	MEN	JF	72	2,31	7,8,9	1.46	1 (14%)	6,9,11	2.20	2 (33%)
2	MEN	iE	72	2	7,8,9	0.93	0	6,9,11	1.19	1 (16%)
2	MEN	YB	72	2	7,8,9	0.85	0	6,9,11	1.45	1 (16%)
9	MEN	DE	72	9,10	7,8,9	0.88	0	6,9,11	1.60	2 (33%)
2	MEN	V6	72	2	7,8,9	0.94	0	6,9,11	1.36	2 (33%)
2	MEN	Y2	72	2	7,8,9	0.94	0	6,9,11	1.28	1 (16%)
2	MEN	FH	72	2	7,8,9	0.88	0	6,9,11	1.67	1 (16%)
2	MEN	mE	72	2	7,8,9	0.90	0	6,9,11	1.40	1 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	pF	72	2,31	7,8,9	1.11	0	6,9,11	1.34	1 (16%)
2	MEN	n8	72	2,31	7,8,9	1.39	1 (14%)	6,9,11	1.50	1 (16%)
9	MEN	FE	72	9	7,8,9	0.91	0	6,9,11	1.57	1 (16%)
20	MEN	O3	71	20	7,8,9	5.38	7 (100%)	6,9,11	3.53	3 (50%)
2	MEN	L9	72	2	7,8,9	0.90	0	6,9,11	1.94	1 (16%)
2	MEN	T2	72	2	7,8,9	0.95	0	6,9,11	1.81	2 (33%)
2	MEN	e6	72	2	7,8,9	0.87	0	6,9,11	1.62	2 (33%)
9	MEN	F6	72	9	7,8,9	0.89	0	6,9,11	1.55	1 (16%)
2	MEN	WG	72	2	7,8,9	0.88	0	6,9,11	1.42	1 (16%)
2	MEN	P4	72	2	7,8,9	0.88	0	6,9,11	1.56	2 (33%)
2	MEN	RF	72	2,31	7,8,9	1.77	1 (14%)	6,9,11	3.13	2 (33%)
2	MEN	NK	72	2	7,8,9	0.93	0	6,9,11	1.47	1 (16%)
2	MEN	BI	72	2	7,8,9	1.15	0	6,9,11	1.95	2 (33%)
2	MEN	H4	72	2	7,8,9	0.87	0	6,9,11	1.62	1 (16%)
2	MEN	VB	72	2	7,8,9	0.89	0	6,9,11	1.32	2 (33%)
9	MEN	LB	72	9	7,8,9	0.82	0	6,9,11	1.86	2 (33%)
20	MEN	U3	71	20	7,8,9	27.43	6 (85%)	6,9,11	17.30	6 (100%)
2	MEN	SI	72	2	7,8,9	0.95	0	6,9,11	1.36	1 (16%)
2	MEN	XK	72	2	7,8,9	0.90	0	6,9,11	1.59	2 (33%)
2	MEN	L8	72	2,31	7,8,9	1.80	1 (14%)	6,9,11	3.80	3 (50%)
2	MEN	PK	72	2	7,8,9	0.85	0	6,9,11	1.45	1 (16%)
9	MEN	HB	72	9	7,8,9	0.87	0	6,9,11	1.69	2 (33%)
9	MEN	ND	72	9	7,8,9	1.38	0	6,9,11	1.69	2 (33%)
2	MEN	vF	72	2,31	7,8,9	1.40	1 (14%)	6,9,11	1.17	1 (16%)
2	MEN	FG	72	2	7,8,9	0.93	0	6,9,11	1.52	1 (16%)
2	MEN	fF	72	2,31	7,8,9	1.31	1 (14%)	6,9,11	2.30	2 (33%)
2	MEN	DH	72	2	7,8,9	0.89	0	6,9,11	1.18	0
2	MEN	LG	72	2	7,8,9	0.97	0	6,9,11	1.68	2 (33%)
2	MEN	N4	72	2	7,8,9	0.87	0	6,9,11	1.42	2 (33%)
2	MEN	c6	72	2	7,8,9	0.91	0	6,9,11	1.29	1 (16%)
2	MEN	J7	72	2	7,8,9	0.85	0	6,9,11	1.58	1 (16%)
2	MEN	JH	72	2	7,8,9	0.87	0	6,9,11	1.61	2 (33%)
2	MEN	H9	72	2	7,8,9	0.85	0	6,9,11	1.78	2 (33%)
2	MEN	eB	72	2	7,8,9	0.87	0	6,9,11	1.62	2 (33%)
2	MEN	TH	72	2	7,8,9	0.87	0	6,9,11	1.34	1 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	TC	72	2	7,8,9	0.92	0	6,9,11	1.79	2 (33%)
2	MEN	F7	72	2	7,8,9	0.88	0	6,9,11	1.70	1 (16%)
20	MEN	B3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	k6	72	2	7,8,9	0.85	0	6,9,11	1.50	1 (16%)
2	MEN	T1	72	2,15	7,8,9	0.86	0	6,9,11	3.08	2 (33%)
2	MEN	HF	72	2,31	7,8,9	1.58	1 (14%)	6,9,11	2.45	2 (33%)
2	MEN	B7	72	2	7,8,9	0.87	0	6,9,11	1.54	1 (16%)
9	MEN	H6	72	9	7,8,9	0.87	0	6,9,11	1.66	1 (16%)
20	MEN	f3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.16	6 (100%)
2	MEN	gC	72	2	7,8,9	0.91	0	6,9,11	1.63	2 (33%)
20	MEN	s3	71	20	7,8,9	27.44	6 (85%)	6,9,11	17.29	6 (100%)
2	MEN	TK	72	2,15	7,8,9	0.86	0	6,9,11	3.06	2 (33%)
2	MEN	ZF	72	2	7,8,9	0.89	0	6,9,11	1.35	1 (16%)
9	MEN	NE	72	9	7,8,9	0.86	0	6,9,11	1.51	2 (33%)
2	MEN	a6	72	2	7,8,9	0.87	0	6,9,11	1.47	2 (33%)
2	MEN	g4	72	2	7,8,9	0.85	0	6,9,11	1.67	2 (33%)
2	MEN	k2	72	2	7,8,9	0.91	0	6,9,11	1.08	1 (16%)
2	MEN	DK	72	2	7,8,9	0.89	0	6,9,11	1.08	1 (16%)
2	MEN	R6	72	2	7,8,9	0.86	0	6,9,11	1.46	2 (33%)
2	MEN	rF	72	2,31	7,8,9	1.28	1 (14%)	6,9,11	0.98	1 (16%)
2	MEN	e4	72	2	7,8,9	0.86	0	6,9,11	1.57	1 (16%)
2	MEN	FK	72	2	7,8,9	1.01	0	6,9,11	1.63	2 (33%)
2	MEN	O9	72	2	7,8,9	0.84	0	6,9,11	1.71	1 (16%)
20	MEN	k3	71	20	7,8,9	13.85	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	TF	72	2,31	7,8,9	1.39	1 (14%)	6,9,11	2.24	2 (33%)
20	MEN	M3	71	20	7,8,9	13.85	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	QG	72	2	7,8,9	1.01	0	6,9,11	1.18	1 (16%)
2	MEN	PA	72	2	7,8,9	0.79	0	6,9,11	0.93	0
2	MEN	hF	72	2,31	7,8,9	1.22	1 (14%)	6,9,11	0.85	0
2	MEN	H8	72	2,31	7,8,9	1.57	1 (14%)	6,9,11	2.47	2 (33%)
2	MEN	VH	72	2	7,8,9	0.87	0	6,9,11	1.53	1 (16%)
2	MEN	IA	72	2	7,8,9	0.78	0	6,9,11	1.08	1 (16%)
2	MEN	gD	72	2	7,8,9	0.88	0	6,9,11	1.55	1 (16%)
2	MEN	DF	72	2,31	7,8,9	1.58	1 (14%)	6,9,11	2.43	2 (33%)
2	MEN	QA	72	2	7,8,9	0.83	0	6,9,11	0.86	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
9	MEN	L6	72	9	7,8,9	0.85	0	6,9,11	1.84	2 (33%)
2	MEN	Y6	72	2	7,8,9	0.83	0	6,9,11	1.46	1 (16%)
2	MEN	OI	72	2	7,8,9	0.99	0	6,9,11	1.72	2 (33%)
2	MEN	MA	72	2	7,8,9	0.69	0	6,9,11	0.97	0
2	MEN	T7	72	2	7,8,9	0.88	0	6,9,11	1.46	1 (16%)
20	MEN	L3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	TD	72	2	7,8,9	0.95	0	6,9,11	1.41	1 (16%)
20	MEN	o3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.16	6 (100%)
2	MEN	aC	72	2	7,8,9	0.91	0	6,9,11	1.34	1 (16%)
2	MEN	UG	72	2	7,8,9	0.91	0	6,9,11	1.34	1 (16%)
2	MEN	iD	72	2	7,8,9	0.93	0	6,9,11	1.20	1 (16%)
2	MEN	eA	72	2	7,8,9	0.68	0	6,9,11	1.23	1 (16%)
2	MEN	SG	72	2	7,8,9	0.88	0	6,9,11	1.54	1 (16%)
2	MEN	O5	72	2	7,8,9	0.92	0	6,9,11	1.29	2 (33%)
20	MEN	S3	71	20	7,8,9	27.44	6 (85%)	6,9,11	17.30	6 (100%)
9	MEN	JE	72	9	7,8,9	0.88	0	6,9,11	1.53	1 (16%)
2	MEN	NF	72	2,31	7,8,9	1.50	1 (14%)	6,9,11	2.71	2 (33%)
2	MEN	V2	72	2	7,8,9	0.85	0	6,9,11	1.62	2 (33%)
2	MEN	RK	72	2	7,8,9	0.91	0	6,9,11	1.19	0
2	MEN	Q5	72	2	7,8,9	0.82	0	6,9,11	1.70	2 (33%)
2	MEN	i4	72	2	7,8,9	0.83	0	6,9,11	1.44	1 (16%)
20	MEN	w3	71	20	7,8,9	27.42	6 (85%)	6,9,11	17.29	6 (100%)
2	MEN	b8	72	2	7,8,9	0.92	0	6,9,11	1.31	1 (16%)
2	MEN	VA	72	2	7,8,9	0.77	0	6,9,11	0.90	1 (16%)
2	MEN	T8	72	2,31	7,8,9	1.39	1 (14%)	6,9,11	2.25	2 (33%)
2	MEN	G5	72	2	7,8,9	0.83	0	6,9,11	1.76	2 (33%)
2	MEN	T4	72	2	7,8,9	0.87	0	6,9,11	1.24	1 (16%)
2	MEN	B1	72	2	7,8,9	0.95	0	6,9,11	1.13	1 (16%)
2	MEN	ZH	72	2	7,8,9	0.91	0	6,9,11	1.30	1 (16%)
2	MEN	V4	72	2	7,8,9	0.86	0	6,9,11	1.65	1 (16%)
2	MEN	gH	72	2	7,8,9	0.87	0	6,9,11	1.46	1 (16%)
2	MEN	V7	72	2	7,8,9	0.88	0	6,9,11	1.50	1 (16%)
2	MEN	L7	72	2	7,8,9	0.86	0	6,9,11	1.56	1 (16%)
2	MEN	SJ	72	2	7,8,9	0.95	0	6,9,11	1.34	1 (16%)
2	MEN	LA	72	2	7,8,9	0.74	0	6,9,11	1.14	1 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	S5	72	2	7,8,9	0.95	0	6,9,11	1.35	1 (16%)
2	MEN	cC	72	2	7,8,9	0.82	0	6,9,11	1.85	1 (16%)
2	MEN	LI	72	2	7,8,9	1.07	0	6,9,11	1.89	2 (33%)
2	MEN	XA	72	2	7,8,9	0.66	0	6,9,11	1.14	1 (16%)
2	MEN	F8	72	2,31	7,8,9	1.91	1 (14%)	6,9,11	3.71	3 (50%)
2	MEN	HA	72	2	7,8,9	0.83	0	6,9,11	1.20	1 (16%)
2	MEN	h8	72	2,31	7,8,9	1.18	1 (14%)	6,9,11	0.88	0
20	MEN	u3	71	20	7,8,9	27.42	6 (85%)	6,9,11	17.29	6 (100%)
2	MEN	mH	72	2	7,8,9	0.90	0	6,9,11	1.41	1 (16%)
2	MEN	Y9	72	2	7,8,9	0.86	0	6,9,11	1.86	1 (16%)
2	MEN	cB	72	2	7,8,9	0.87	0	6,9,11	1.29	1 (16%)
2	MEN	dF	72	2,31	7,8,9	1.42	1 (14%)	6,9,11	2.13	1 (16%)
2	MEN	m4	72	2	7,8,9	0.87	0	6,9,11	1.65	1 (16%)
2	MEN	EJ	72	2	7,8,9	0.88	0	6,9,11	1.45	1 (16%)
2	MEN	mC	72	2	7,8,9	0.84	0	6,9,11	1.31	1 (16%)
2	MEN	YA	72	2	7,8,9	0.84	0	6,9,11	1.38	1 (16%)
2	MEN	J8	72	2,31	7,8,9	1.49	1 (14%)	6,9,11	2.15	2 (33%)
2	MEN	JI	72	2	7,8,9	0.96	0	6,9,11	1.26	1 (16%)
20	MEN	j3	71	20	7,8,9	13.85	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	RE	72	2	7,8,9	0.91	0	6,9,11	1.46	1 (16%)
2	MEN	CJ	72	2	7,8,9	0.85	0	6,9,11	1.47	2 (33%)
2	MEN	kB	72	2	7,8,9	0.90	0	6,9,11	1.49	1 (16%)
2	MEN	kH	72	2	7,8,9	0.83	0	6,9,11	1.41	2 (33%)
2	MEN	tF	72	2,31	7,8,9	1.18	1 (14%)	6,9,11	1.41	1 (16%)
2	MEN	iB	72	2	7,8,9	0.85	0	6,9,11	1.47	1 (16%)
2	MEN	W9	72	2	7,8,9	0.92	0	6,9,11	1.70	1 (16%)
2	MEN	g2	72	2	7,8,9	0.91	0	6,9,11	1.62	2 (33%)
2	MEN	U5	72	2	7,8,9	0.94	0	6,9,11	1.66	1 (16%)
2	MEN	JG	72	2	7,8,9	0.89	0	6,9,11	1.61	2 (33%)
2	MEN	QJ	72	2	7,8,9	0.81	0	6,9,11	1.69	2 (33%)
2	MEN	D7	72	2	7,8,9	0.88	0	6,9,11	1.60	1 (16%)
2	MEN	dA	72	2	7,8,9	0.69	0	6,9,11	0.88	0
2	MEN	P1	72	2	7,8,9	0.85	0	6,9,11	1.45	1 (16%)
2	MEN	PE	72	2	7,8,9	0.85	0	6,9,11	1.62	1 (16%)
2	MEN	YG	72	2	7,8,9	0.97	0	6,9,11	1.38	2 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	BK	72	2	7,8,9	0.93	0	6,9,11	1.12	1 (16%)
2	MEN	HH	72	2	7,8,9	0.87	0	6,9,11	1.88	1 (16%)
2	MEN	kD	72	2	7,8,9	0.90	0	6,9,11	1.47	1 (16%)
2	MEN	LF	72	2,31	7,8,9	1.80	1 (14%)	6,9,11	3.80	3 (50%)
9	MEN	DD	72	9,10	7,8,9	0.86	0	6,9,11	1.60	2 (33%)
2	MEN	D9	72	2	7,8,9	0.86	0	6,9,11	1.50	1 (16%)
2	MEN	RH	72	2	7,8,9	0.91	0	6,9,11	1.57	1 (16%)
2	MEN	i6	72	2	7,8,9	0.88	0	6,9,11	1.48	1 (16%)
2	MEN	mB	72	2	7,8,9	0.91	0	6,9,11	1.56	2 (33%)
9	MEN	J2	72	9	7,8,9	0.84	0	6,9,11	1.68	1 (16%)
2	MEN	c4	72	2	7,8,9	0.91	0	6,9,11	1.39	1 (16%)
2	MEN	cH	72	2	7,8,9	0.88	0	6,9,11	1.25	1 (16%)
20	MEN	H3	71	20	7,8,9	13.85	3 (42%)	6,9,11	17.17	6 (100%)
9	MEN	HD	72	9	7,8,9	0.89	0	6,9,11	1.39	1 (16%)
2	MEN	d8	72	2,31	7,8,9	1.43	1 (14%)	6,9,11	2.13	1 (16%)
2	MEN	kC	72	2	7,8,9	0.93	0	6,9,11	1.11	1 (16%)
2	MEN	VC	72	2	7,8,9	0.86	0	6,9,11	1.63	2 (33%)
2	MEN	iH	72	2	7,8,9	0.86	0	6,9,11	1.38	1 (16%)
2	MEN	D4	72	2	7,8,9	0.90	0	6,9,11	1.27	1 (16%)
2	MEN	aD	72	2	7,8,9	0.86	0	6,9,11	1.68	2 (33%)
2	MEN	B9	72	2	7,8,9	0.81	0	6,9,11	1.89	1 (16%)
2	MEN	V1	72	2	7,8,9	0.85	0	6,9,11	1.39	1 (16%)
9	MEN	L2	72	9	7,8,9	0.86	0	6,9,11	2.62	2 (33%)
2	MEN	L1	72	2	7,8,9	0.88	0	6,9,11	1.20	0
2	MEN	iC	72	2	7,8,9	0.83	0	6,9,11	1.42	1 (16%)
2	MEN	QI	72	2	7,8,9	0.94	0	6,9,11	1.37	2 (33%)
2	MEN	S9	72	2	7,8,9	0.92	0	6,9,11	1.79	1 (16%)
2	MEN	j8	72	2,31	7,8,9	1.29	1 (14%)	6,9,11	1.81	1 (16%)
2	MEN	r8	72	2,31	7,8,9	1.23	1 (14%)	6,9,11	1.00	1 (16%)
2	MEN	lF	72	2,31	7,8,9	1.04	0	6,9,11	1.70	2 (33%)
2	MEN	C5	72	2	7,8,9	0.84	0	6,9,11	1.48	2 (33%)
9	MEN	LD	72	9	7,8,9	0.96	0	6,9,11	1.65	2 (33%)
2	MEN	BF	72	2,31	7,8,9	1.62	1 (14%)	6,9,11	3.01	1 (16%)
2	MEN	M5	72	2	7,8,9	0.85	0	6,9,11	1.73	2 (33%)
2	MEN	g6	72	2	7,8,9	0.90	0	6,9,11	1.39	1 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	MEN	F9	72	2	7,8,9	0.87	0	6,9,11	1.70	1 (16%)
2	MEN	TE	72	2	7,8,9	0.95	0	6,9,11	1.44	1 (16%)
2	MEN	p8	72	2,31	7,8,9	1.11	0	6,9,11	1.35	1 (16%)
2	MEN	PB	72	2	7,8,9	0.89	0	6,9,11	1.25	0
2	MEN	UJ	72	2	7,8,9	0.96	0	6,9,11	1.65	1 (16%)
2	MEN	XH	72	2	7,8,9	0.89	0	6,9,11	1.64	2 (33%)
2	MEN	KJ	72	2	7,8,9	0.88	0	6,9,11	1.41	1 (16%)
2	MEN	E5	72	2	7,8,9	0.82	0	6,9,11	1.44	1 (16%)
9	MEN	HC	72	9	7,8,9	0.85	0	6,9,11	1.53	1 (16%)
20	MEN	n3	71	20	7,8,9	13.86	3 (42%)	6,9,11	17.17	6 (100%)
2	MEN	T6	72	2	7,8,9	0.81	0	6,9,11	1.63	2 (33%)
20	MEN	D3	71	20	7,8,9	13.87	3 (42%)	6,9,11	17.16	6 (100%)
2	MEN	FA	72	2	7,8,9	0.76	0	6,9,11	0.98	0
2	MEN	gA	72	2	7,8,9	0.65	0	6,9,11	0.75	0
2	MEN	bF	72	2	7,8,9	0.92	0	6,9,11	1.29	1 (16%)
2	MEN	WJ	72	2	7,8,9	0.91	0	6,9,11	1.42	1 (16%)
2	MEN	D8	72	2,31	7,8,9	1.57	1 (14%)	6,9,11	2.45	2 (33%)
2	MEN	DI	72	2	7,8,9	0.96	0	6,9,11	1.31	1 (16%)
9	MEN	J6	72	9	7,8,9	0.84	0	6,9,11	1.85	2 (33%)
2	MEN	l8	72	2,31	7,8,9	1.02	0	6,9,11	1.69	2 (33%)
2	MEN	mD	72	2	7,8,9	0.89	0	6,9,11	1.41	1 (16%)
9	MEN	JD	72	9	7,8,9	0.86	0	6,9,11	1.53	1 (16%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	RC	72	2	-	2/7/8/10	-
2	MEN	JK	72	2	-	1/7/8/10	-
2	MEN	VF	72	2,31	-	4/7/8/10	-
9	MEN	DC	72	9	-	4/7/8/10	-
2	MEN	RD	72	2	-	3/7/8/10	-
2	MEN	IJ	72	2	-	4/7/8/10	-
2	MEN	PC	72	2	-	4/7/8/10	-
9	MEN	LC	72	9	-	2/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	P8	72	2,31	-	3/7/8/10	-
2	MEN	YI	72	2	-	2/7/8/10	-
2	MEN	a2	72	2	-	3/7/8/10	-
9	MEN	D6	72	9	-	2/7/8/10	-
2	MEN	bA	72	2	-	4/7/8/10	-
2	MEN	YJ	72	2	-	4/7/8/10	-
2	MEN	m2	72	2	-	4/7/8/10	-
2	MEN	VD	72	2	-	4/7/8/10	-
2	MEN	aB	72	2	-	3/7/8/10	-
2	MEN	XF	72	2,31	-	2/7/8/10	-
2	MEN	DA	72	2	-	4/7/8/10	-
2	MEN	FI	72	2	-	2/7/8/10	-
9	MEN	F2	72	9	-	2/7/8/10	-
9	MEN	LE	72	9	-	4/7/8/10	-
2	MEN	OG	72	2	-	5/7/8/10	-
9	MEN	FB	72	9	-	3/7/8/10	-
2	MEN	Z8	72	2	-	5/7/8/10	-
2	MEN	aE	72	2	-	4/7/8/10	-
2	MEN	NH	72	2	-	5/7/8/10	-
2	MEN	HI	72	2	-	2/7/8/10	-
2	MEN	Z4	72	2	-	5/7/8/10	-
2	MEN	NA	72	2	-	3/7/8/10	-
2	MEN	eD	72	2	-	2/7/8/10	-
2	MEN	HK	72	2	-	4/7/8/10	-
2	MEN	P2	72	2	-	4/7/8/10	-
20	MEN	Q3	71	20	-	6/7/8/10	-
2	MEN	H1	72	2	-	4/7/8/10	-
9	MEN	D2	72	9	-	4/7/8/10	-
2	MEN	R2	72	2	-	2/7/8/10	-
2	MEN	R1	72	2	-	4/7/8/10	-
2	MEN	I5	72	2	-	4/7/8/10	-
2	MEN	kE	72	2	-	4/7/8/10	-
2	MEN	D1	72	2	-	3/7/8/10	-
2	MEN	OJ	72	2	-	2/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	DG	72	2	-	4/7/8/10	-
2	MEN	N8	72	2,31	-	2/7/8/10	-
9	MEN	DB	72	9	-	2/7/8/10	-
2	MEN	YD	72	2	-	5/7/8/10	-
2	MEN	BA	72	2	-	5/7/8/10	-
9	MEN	NB	72	9	-	4/7/8/10	-
9	MEN	HE	72	9	-	4/7/8/10	-
2	MEN	PD	72	2	-	3/7/8/10	-
2	MEN	X1	72	2	-	4/7/8/10	-
2	MEN	k4	72	2	-	4/7/8/10	-
2	MEN	J9	72	2	-	5/7/8/10	-
2	MEN	cD	72	2	-	3/7/8/10	-
2	MEN	X7	72	2	-	4/7/8/10	-
2	MEN	MJ	72	2	-	2/7/8/10	-
2	MEN	U9	72	2	-	4/7/8/10	-
2	MEN	F4	72	2	-	4/7/8/10	-
2	MEN	CA	72	2	-	2/7/8/10	-
2	MEN	Y5	72	2	-	4/7/8/10	-
2	MEN	N7	72	2	-	4/7/8/10	-
2	MEN	RA	72	2	-	7/7/8/10	-
2	MEN	cE	72	2	-	3/7/8/10	-
9	MEN	FD	72	9	-	3/7/8/10	-
2	MEN	P6	72	2	-	4/7/8/10	-
2	MEN	RB	72	2	-	4/7/8/10	-
2	MEN	Q9	72	2	-	4/7/8/10	-
2	MEN	R8	72	2,31	-	2/7/8/10	-
2	MEN	FF	72	2,31	-	2/7/8/10	-
2	MEN	GJ	72	2	-	4/7/8/10	-
2	MEN	YC	72	2	-	4/7/8/10	-
9	MEN	H2	72	9	-	4/7/8/10	-
20	MEN	h3	71	20	-	5/7/8/10	-
2	MEN	P7	72	2	-	4/7/8/10	-
2	MEN	c2	72	2	-	4/7/8/10	-
9	MEN	N2	72	9	-	2/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
9	MEN	JC	72	9	-	1/7/8/10	-
2	MEN	VK	72	2	-	4/7/8/10	-
20	MEN	I3	71	20	-	5/7/8/10	-
2	MEN	OA	72	2	-	4/7/8/10	-
20	MEN	F3	71	20	-	4/7/8/10	-
2	MEN	R7	72	2	-	4/7/8/10	-
2	MEN	V8	72	2,31	-	4/7/8/10	-
2	MEN	PH	72	2	-	4/7/8/10	-
9	MEN	NC	72	9	-	2/7/8/10	-
2	MEN	gB	72	2	-	4/7/8/10	-
2	MEN	GA	72	2	-	6/7/8/10	-
2	MEN	X8	72	2,31	-	2/7/8/10	-
2	MEN	m6	72	2	-	4/7/8/10	-
9	MEN	JB	72	9	-	2/7/8/10	-
9	MEN	N6	72	9	-	4/7/8/10	-
2	MEN	aA	72	2	-	4/7/8/10	-
2	MEN	SA	72	2	-	3/7/8/10	-
2	MEN	PF	72	2,31	-	3/7/8/10	-
2	MEN	LH	72	2	-	5/7/8/10	-
2	MEN	eC	72	2	-	3/7/8/10	-
2	MEN	i2	72	2	-	4/7/8/10	-
2	MEN	TB	72	2	-	3/7/8/10	-
2	MEN	BG	72	2	-	5/7/8/10	-
2	MEN	J1	72	2	-	1/7/8/10	-
2	MEN	K5	72	2	-	4/7/8/10	-
9	MEN	FC	72	9	-	2/7/8/10	-
2	MEN	HG	72	2	-	4/7/8/10	-
2	MEN	ZA	72	2	-	6/7/8/10	-
20	MEN	q3	71	20	-	2/7/8/10	-
2	MEN	B8	72	2,31	-	2/7/8/10	-
2	MEN	nF	72	2,31	-	3/7/8/10	-
2	MEN	YE	72	2	-	5/7/8/10	-
2	MEN	L4	72	2	-	4/7/8/10	-
2	MEN	jF	72	2,31	-	4/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	e2	72	2	-	3/7/8/10	-
2	MEN	H7	72	2	-	4/7/8/10	-
2	MEN	UI	72	2	-	2/7/8/10	-
2	MEN	f8	72	2,31	-	2/7/8/10	-
2	MEN	eH	72	2	-	4/7/8/10	-
2	MEN	J4	72	2	-	4/7/8/10	-
20	MEN	d3	71	20	-	5/7/8/10	-
2	MEN	eE	72	2	-	2/7/8/10	-
2	MEN	gE	72	2	-	4/7/8/10	-
2	MEN	R4	72	2	-	4/7/8/10	-
2	MEN	WI	72	2	-	2/7/8/10	-
2	MEN	W5	72	2	-	4/7/8/10	-
2	MEN	VE	72	2	-	4/7/8/10	-
2	MEN	N1	72	2	-	4/7/8/10	-
2	MEN	X4	72	2	-	4/7/8/10	-
2	MEN	v8	72	2,31	-	1/7/8/10	-
2	MEN	F1	72	2	-	4/7/8/10	-
2	MEN	LK	72	2	-	5/7/8/10	-
2	MEN	t8	72	2,31	-	4/7/8/10	-
2	MEN	JF	72	2,31	-	2/7/8/10	-
2	MEN	iE	72	2	-	3/7/8/10	-
2	MEN	YB	72	2	-	4/7/8/10	-
9	MEN	DE	72	9,10	-	4/7/8/10	-
2	MEN	V6	72	2	-	2/7/8/10	-
2	MEN	Y2	72	2	-	4/7/8/10	-
2	MEN	FH	72	2	-	4/7/8/10	-
2	MEN	mE	72	2	-	3/7/8/10	-
2	MEN	pF	72	2,31	-	3/7/8/10	-
2	MEN	n8	72	2,31	-	3/7/8/10	-
9	MEN	FE	72	9	-	3/7/8/10	-
20	MEN	O3	71	20	-	3/7/8/10	-
2	MEN	L9	72	2	-	4/7/8/10	-
2	MEN	T2	72	2	-	5/7/8/10	-
2	MEN	e6	72	2	-	5/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
9	MEN	F6	72	9	-	3/7/8/10	-
2	MEN	WG	72	2	-	5/7/8/10	-
2	MEN	P4	72	2	-	5/7/8/10	-
2	MEN	RF	72	2,31	-	2/7/8/10	-
2	MEN	NK	72	2	-	4/7/8/10	-
2	MEN	BI	72	2	-	4/7/8/10	-
2	MEN	H4	72	2	-	4/7/8/10	-
2	MEN	VB	72	2	-	2/7/8/10	-
9	MEN	LB	72	9	-	4/7/8/10	-
20	MEN	U3	71	20	-	6/7/8/10	-
2	MEN	SI	72	2	-	2/7/8/10	-
2	MEN	XK	72	2	-	4/7/8/10	-
2	MEN	L8	72	2,31	-	3/7/8/10	-
2	MEN	PK	72	2	-	4/7/8/10	-
9	MEN	HB	72	9	-	2/7/8/10	-
9	MEN	ND	72	9	-	1/7/8/10	-
2	MEN	vF	72	2,31	-	1/7/8/10	-
2	MEN	FG	72	2	-	5/7/8/10	-
2	MEN	fF	72	2,31	-	2/7/8/10	-
2	MEN	DH	72	2	-	3/7/8/10	-
2	MEN	LG	72	2	-	4/7/8/10	-
2	MEN	N4	72	2	-	4/7/8/10	-
2	MEN	c6	72	2	-	2/7/8/10	-
2	MEN	J7	72	2	-	4/7/8/10	-
2	MEN	JH	72	2	-	3/7/8/10	-
2	MEN	H9	72	2	-	4/7/8/10	-
2	MEN	eB	72	2	-	5/7/8/10	-
2	MEN	TH	72	2	-	5/7/8/10	-
2	MEN	TC	72	2	-	5/7/8/10	-
2	MEN	F7	72	2	-	5/7/8/10	-
20	MEN	B3	71	20	-	5/7/8/10	-
2	MEN	k6	72	2	-	5/7/8/10	-
2	MEN	T1	72	2,15	-	6/7/8/10	-
2	MEN	HF	72	2,31	-	2/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	B7	72	2	-	4/7/8/10	-
9	MEN	H6	72	9	-	2/7/8/10	-
20	MEN	f3	71	20	-	4/7/8/10	-
2	MEN	gC	72	2	-	3/7/8/10	-
20	MEN	s3	71	20	-	6/7/8/10	-
2	MEN	TK	72	2,15	-	6/7/8/10	-
2	MEN	ZF	72	2	-	5/7/8/10	-
9	MEN	NE	72	9	-	4/7/8/10	-
2	MEN	a6	72	2	-	3/7/8/10	-
2	MEN	g4	72	2	-	5/7/8/10	-
2	MEN	k2	72	2	-	4/7/8/10	-
2	MEN	DK	72	2	-	3/7/8/10	-
2	MEN	R6	72	2	-	4/7/8/10	-
2	MEN	rF	72	2,31	-	3/7/8/10	-
2	MEN	e4	72	2	-	4/7/8/10	-
2	MEN	FK	72	2	-	4/7/8/10	-
2	MEN	O9	72	2	-	4/7/8/10	-
20	MEN	k3	71	20	-	4/7/8/10	-
2	MEN	TF	72	2,31	-	2/7/8/10	-
20	MEN	M3	71	20	-	4/7/8/10	-
2	MEN	QG	72	2	-	4/7/8/10	-
2	MEN	PA	72	2	-	4/7/8/10	-
2	MEN	hF	72	2,31	-	2/7/8/10	-
2	MEN	H8	72	2,31	-	2/7/8/10	-
2	MEN	VH	72	2	-	4/7/8/10	-
2	MEN	IA	72	2	-	4/7/8/10	-
2	MEN	gD	72	2	-	4/7/8/10	-
2	MEN	DF	72	2,31	-	2/7/8/10	-
2	MEN	QA	72	2	-	6/7/8/10	-
9	MEN	L6	72	9	-	4/7/8/10	-
2	MEN	Y6	72	2	-	4/7/8/10	-
2	MEN	OI	72	2	-	4/7/8/10	-
2	MEN	MA	72	2	-	2/7/8/10	-
2	MEN	T7	72	2	-	4/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	MEN	L3	71	20	-	4/7/8/10	-
2	MEN	TD	72	2	-	3/7/8/10	-
20	MEN	o3	71	20	-	5/7/8/10	-
2	MEN	aC	72	2	-	3/7/8/10	-
2	MEN	UG	72	2	-	4/7/8/10	-
2	MEN	iD	72	2	-	3/7/8/10	-
2	MEN	eA	72	2	-	3/7/8/10	-
2	MEN	SG	72	2	-	4/7/8/10	-
2	MEN	O5	72	2	-	2/7/8/10	-
20	MEN	S3	71	20	-	6/7/8/10	-
9	MEN	JE	72	9	-	2/7/8/10	-
2	MEN	NF	72	2,31	-	2/7/8/10	-
2	MEN	V2	72	2	-	4/7/8/10	-
2	MEN	RK	72	2	-	4/7/8/10	-
2	MEN	Q5	72	2	-	4/7/8/10	-
2	MEN	i4	72	2	-	4/7/8/10	-
20	MEN	w3	71	20	-	6/7/8/10	-
2	MEN	b8	72	2	-	4/7/8/10	-
2	MEN	VA	72	2	-	4/7/8/10	-
2	MEN	T8	72	2,31	-	2/7/8/10	-
2	MEN	G5	72	2	-	4/7/8/10	-
2	MEN	T4	72	2	-	3/7/8/10	-
2	MEN	B1	72	2	-	4/7/8/10	-
2	MEN	ZH	72	2	-	4/7/8/10	-
2	MEN	V4	72	2	-	4/7/8/10	-
2	MEN	gH	72	2	-	2/7/8/10	-
2	MEN	V7	72	2	-	4/7/8/10	-
2	MEN	L7	72	2	-	4/7/8/10	-
2	MEN	SJ	72	2	-	4/7/8/10	-
2	MEN	LA	72	2	-	4/7/8/10	-
2	MEN	S5	72	2	-	4/7/8/10	-
2	MEN	cC	72	2	-	4/7/8/10	-
2	MEN	LI	72	2	-	2/7/8/10	-
2	MEN	XA	72	2	-	5/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	F8	72	2,31	-	2/7/8/10	-
2	MEN	HA	72	2	-	2/7/8/10	-
2	MEN	h8	72	2,31	-	2/7/8/10	-
20	MEN	u3	71	20	-	6/7/8/10	-
2	MEN	mH	72	2	-	4/7/8/10	-
2	MEN	Y9	72	2	-	4/7/8/10	-
2	MEN	cB	72	2	-	2/7/8/10	-
2	MEN	dF	72	2,31	-	3/7/8/10	-
2	MEN	m4	72	2	-	4/7/8/10	-
2	MEN	EJ	72	2	-	3/7/8/10	-
2	MEN	mC	72	2	-	4/7/8/10	-
2	MEN	YA	72	2	-	4/7/8/10	-
2	MEN	J8	72	2,31	-	2/7/8/10	-
2	MEN	JI	72	2	-	2/7/8/10	-
20	MEN	j3	71	20	-	4/7/8/10	-
2	MEN	RE	72	2	-	3/7/8/10	-
2	MEN	CJ	72	2	-	4/7/8/10	-
2	MEN	kB	72	2	-	5/7/8/10	-
2	MEN	kH	72	2	-	4/7/8/10	-
2	MEN	tF	72	2,31	-	4/7/8/10	-
2	MEN	iB	72	2	-	4/7/8/10	-
2	MEN	W9	72	2	-	4/7/8/10	-
2	MEN	g2	72	2	-	3/7/8/10	-
2	MEN	U5	72	2	-	3/7/8/10	-
2	MEN	JG	72	2	-	5/7/8/10	-
2	MEN	QJ	72	2	-	4/7/8/10	-
2	MEN	D7	72	2	-	4/7/8/10	-
2	MEN	dA	72	2	-	5/7/8/10	-
2	MEN	P1	72	2	-	4/7/8/10	-
2	MEN	PE	72	2	-	3/7/8/10	-
2	MEN	YG	72	2	-	3/7/8/10	-
2	MEN	BK	72	2	-	4/7/8/10	-
2	MEN	HH	72	2	-	4/7/8/10	-
2	MEN	kD	72	2	-	4/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	LF	72	2,31	-	3/7/8/10	-
9	MEN	DD	72	9,10	-	4/7/8/10	-
2	MEN	D9	72	2	-	4/7/8/10	-
2	MEN	RH	72	2	-	4/7/8/10	-
2	MEN	i6	72	2	-	4/7/8/10	-
2	MEN	mB	72	2	-	4/7/8/10	-
9	MEN	J2	72	9	-	1/7/8/10	-
2	MEN	c4	72	2	-	4/7/8/10	-
2	MEN	cH	72	2	-	4/7/8/10	-
20	MEN	H3	71	20	-	4/7/8/10	-
9	MEN	HD	72	9	-	4/7/8/10	-
2	MEN	d8	72	2,31	-	3/7/8/10	-
2	MEN	kC	72	2	-	4/7/8/10	-
2	MEN	VC	72	2	-	4/7/8/10	-
2	MEN	iH	72	2	-	4/7/8/10	-
2	MEN	D4	72	2	-	5/7/8/10	-
2	MEN	aD	72	2	-	4/7/8/10	-
2	MEN	B9	72	2	-	4/7/8/10	-
2	MEN	V1	72	2	-	4/7/8/10	-
9	MEN	L2	72	9	-	2/7/8/10	-
2	MEN	L1	72	2	-	5/7/8/10	-
2	MEN	iC	72	2	-	4/7/8/10	-
2	MEN	QI	72	2	-	2/7/8/10	-
2	MEN	S9	72	2	-	4/7/8/10	-
2	MEN	j8	72	2,31	-	4/7/8/10	-
2	MEN	r8	72	2,31	-	3/7/8/10	-
2	MEN	lF	72	2,31	-	4/7/8/10	-
2	MEN	C5	72	2	-	4/7/8/10	-
9	MEN	LD	72	9	-	4/7/8/10	-
2	MEN	BF	72	2,31	-	2/7/8/10	-
2	MEN	M5	72	2	-	2/7/8/10	-
2	MEN	g6	72	2	-	4/7/8/10	-
2	MEN	F9	72	2	-	4/7/8/10	-
2	MEN	TE	72	2	-	3/7/8/10	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	MEN	p8	72	2,31	-	3/7/8/10	-
2	MEN	PB	72	2	-	4/7/8/10	-
2	MEN	UJ	72	2	-	3/7/8/10	-
2	MEN	XH	72	2	-	5/7/8/10	-
2	MEN	KJ	72	2	-	4/7/8/10	-
2	MEN	E5	72	2	-	3/7/8/10	-
9	MEN	HC	72	9	-	4/7/8/10	-
20	MEN	n3	71	20	-	4/7/8/10	-
2	MEN	T6	72	2	-	3/7/8/10	-
20	MEN	D3	71	20	-	5/7/8/10	-
2	MEN	FA	72	2	-	3/7/8/10	-
2	MEN	gA	72	2	-	5/7/8/10	-
2	MEN	bF	72	2	-	4/7/8/10	-
2	MEN	WJ	72	2	-	4/7/8/10	-
2	MEN	D8	72	2,31	-	2/7/8/10	-
2	MEN	DI	72	2	-	2/7/8/10	-
9	MEN	J6	72	9	-	2/7/8/10	-
2	MEN	l8	72	2,31	-	4/7/8/10	-
2	MEN	mD	72	2	-	3/7/8/10	-
9	MEN	JD	72	9	-	2/7/8/10	-

All (128) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	S3	71	MEN	CE2-ND2	67.26	2.65	1.45
20	Q3	71	MEN	CE2-ND2	67.24	2.65	1.45
20	s3	71	MEN	CE2-ND2	67.24	2.65	1.45
20	U3	71	MEN	CE2-ND2	67.22	2.65	1.45
20	w3	71	MEN	CE2-ND2	67.21	2.65	1.45
20	u3	71	MEN	CE2-ND2	67.19	2.65	1.45
20	D3	71	MEN	O-C	33.20	2.52	1.19
20	f3	71	MEN	O-C	33.19	2.52	1.19
20	I3	71	MEN	O-C	33.19	2.52	1.19
20	h3	71	MEN	O-C	33.19	2.52	1.19
20	M3	71	MEN	O-C	33.18	2.52	1.19
20	L3	71	MEN	O-C	33.18	2.52	1.19
20	n3	71	MEN	O-C	33.18	2.52	1.19
20	d3	71	MEN	O-C	33.18	2.52	1.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	B3	71	MEN	O-C	33.17	2.52	1.19
20	o3	71	MEN	O-C	33.17	2.52	1.19
20	F3	71	MEN	O-C	33.17	2.52	1.19
20	k3	71	MEN	O-C	33.17	2.52	1.19
20	j3	71	MEN	O-C	33.16	2.52	1.19
20	H3	71	MEN	O-C	33.16	2.52	1.19
20	w3	71	MEN	CG-ND2	15.54	2.07	1.34
20	s3	71	MEN	CG-ND2	15.53	2.07	1.34
20	u3	71	MEN	CG-ND2	15.53	2.07	1.34
20	Q3	71	MEN	CG-ND2	15.53	2.07	1.34
20	S3	71	MEN	CG-ND2	15.53	2.07	1.34
20	U3	71	MEN	CG-ND2	15.52	2.07	1.34
20	F3	71	MEN	CB-CG	15.26	1.86	1.51
20	S3	71	MEN	CB-CA	15.25	1.86	1.53
20	D3	71	MEN	CB-CG	15.25	1.86	1.51
20	u3	71	MEN	CB-CA	15.24	1.86	1.53
20	o3	71	MEN	CB-CG	15.24	1.86	1.51
20	L3	71	MEN	CB-CG	15.24	1.86	1.51
20	k3	71	MEN	CB-CG	15.24	1.86	1.51
20	H3	71	MEN	CB-CG	15.24	1.86	1.51
20	j3	71	MEN	CB-CG	15.24	1.86	1.51
20	n3	71	MEN	CB-CG	15.24	1.86	1.51
20	B3	71	MEN	CB-CG	15.23	1.86	1.51
20	s3	71	MEN	CB-CA	15.23	1.86	1.53
20	I3	71	MEN	CB-CG	15.23	1.86	1.51
20	f3	71	MEN	CB-CG	15.23	1.86	1.51
20	Q3	71	MEN	CB-CA	15.23	1.86	1.53
20	w3	71	MEN	CB-CA	15.23	1.86	1.53
20	h3	71	MEN	CB-CG	15.22	1.86	1.51
20	U3	71	MEN	CB-CA	15.22	1.86	1.53
20	d3	71	MEN	CB-CG	15.22	1.86	1.51
20	M3	71	MEN	CB-CG	15.21	1.86	1.51
20	O3	71	MEN	OD1-CG	-11.74	0.99	1.23
20	s3	71	MEN	CB-CG	-11.51	1.25	1.51
20	Q3	71	MEN	CB-CG	-11.49	1.25	1.51
20	u3	71	MEN	CB-CG	-11.49	1.25	1.51
20	w3	71	MEN	CB-CG	-11.49	1.25	1.51
20	S3	71	MEN	CB-CG	-11.47	1.25	1.51
20	U3	71	MEN	CB-CG	-11.45	1.25	1.51
20	s3	71	MEN	O-C	9.84	1.59	1.19
20	U3	71	MEN	O-C	9.84	1.59	1.19
20	u3	71	MEN	O-C	9.84	1.59	1.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	Q3	71	MEN	O-C	9.83	1.59	1.19
20	w3	71	MEN	O-C	9.81	1.59	1.19
20	S3	71	MEN	O-C	9.80	1.59	1.19
20	S3	71	MEN	OD1-CG	6.75	1.37	1.23
20	s3	71	MEN	OD1-CG	6.73	1.36	1.23
20	Q3	71	MEN	OD1-CG	6.72	1.36	1.23
20	U3	71	MEN	OD1-CG	6.70	1.36	1.23
20	w3	71	MEN	OD1-CG	6.70	1.36	1.23
20	u3	71	MEN	OD1-CG	6.70	1.36	1.23
2	FF	72	MEN	OD1-CG	4.51	1.32	1.23
2	X8	72	MEN	OD1-CG	4.47	1.32	1.23
2	XF	72	MEN	OD1-CG	4.46	1.32	1.23
2	F8	72	MEN	OD1-CG	4.38	1.32	1.23
20	O3	71	MEN	CB-CG	-4.18	1.42	1.51
2	L8	72	MEN	OD1-CG	4.11	1.31	1.23
2	LF	72	MEN	OD1-CG	4.10	1.31	1.23
2	R8	72	MEN	OD1-CG	4.03	1.31	1.23
2	RF	72	MEN	OD1-CG	3.98	1.31	1.23
20	O3	71	MEN	O-C	-3.87	1.04	1.19
2	B8	72	MEN	OD1-CG	3.59	1.30	1.23
20	O3	71	MEN	CA-N	-3.55	1.37	1.48
2	BF	72	MEN	OD1-CG	3.54	1.30	1.23
2	HF	72	MEN	OD1-CG	3.52	1.30	1.23
2	H8	72	MEN	OD1-CG	3.48	1.30	1.23
2	D8	72	MEN	OD1-CG	3.45	1.30	1.23
2	DF	72	MEN	OD1-CG	3.44	1.30	1.23
2	P8	72	MEN	OD1-CG	3.38	1.30	1.23
2	PF	72	MEN	OD1-CG	3.30	1.30	1.23
2	N8	72	MEN	OD1-CG	3.23	1.29	1.23
2	NF	72	MEN	OD1-CG	3.21	1.29	1.23
2	J8	72	MEN	OD1-CG	3.19	1.29	1.23
2	JF	72	MEN	OD1-CG	3.13	1.29	1.23
2	T8	72	MEN	OD1-CG	2.97	1.29	1.23
2	TF	72	MEN	OD1-CG	2.94	1.29	1.23
2	nF	72	MEN	OD1-CG	2.93	1.29	1.23
2	n8	72	MEN	OD1-CG	2.84	1.29	1.23
2	V8	72	MEN	OD1-CG	2.81	1.29	1.23
20	O3	71	MEN	CB-CA	-2.79	1.47	1.53
2	v8	72	MEN	OD1-CG	2.78	1.28	1.23
2	VF	72	MEN	OD1-CG	2.77	1.28	1.23
2	d8	72	MEN	OD1-CG	2.77	1.28	1.23
2	dF	72	MEN	OD1-CG	2.75	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	vF	72	MEN	OD1-CG	2.75	1.28	1.23
2	jF	72	MEN	OD1-CG	2.70	1.28	1.23
20	O3	71	MEN	CG-ND2	-2.69	1.21	1.34
2	j8	72	MEN	OD1-CG	2.62	1.28	1.23
2	fF	72	MEN	OD1-CG	2.55	1.28	1.23
2	f8	72	MEN	OD1-CG	2.52	1.28	1.23
2	tF	72	MEN	OD1-CG	2.37	1.28	1.23
2	hF	72	MEN	OD1-CG	2.35	1.28	1.23
2	t8	72	MEN	OD1-CG	2.34	1.28	1.23
2	rF	72	MEN	OD1-CG	2.33	1.28	1.23
2	h8	72	MEN	OD1-CG	2.28	1.27	1.23
20	O3	71	MEN	CE2-ND2	-2.23	1.41	1.45
9	N6	72	MEN	OD1-CG	-2.23	1.18	1.23
20	k3	71	MEN	CE2-ND2	2.22	1.49	1.45
20	n3	71	MEN	CE2-ND2	2.22	1.49	1.45
20	I3	71	MEN	CE2-ND2	2.22	1.49	1.45
20	F3	71	MEN	CE2-ND2	2.22	1.49	1.45
20	h3	71	MEN	CE2-ND2	2.22	1.49	1.45
20	B3	71	MEN	CE2-ND2	2.21	1.49	1.45
20	j3	71	MEN	CE2-ND2	2.21	1.49	1.45
20	f3	71	MEN	CE2-ND2	2.21	1.49	1.45
20	L3	71	MEN	CE2-ND2	2.20	1.49	1.45
20	o3	71	MEN	CE2-ND2	2.20	1.49	1.45
2	r8	72	MEN	OD1-CG	2.19	1.27	1.23
20	H3	71	MEN	CE2-ND2	2.19	1.49	1.45
20	D3	71	MEN	CE2-ND2	2.18	1.49	1.45
20	d3	71	MEN	CE2-ND2	2.18	1.49	1.45
20	M3	71	MEN	CE2-ND2	2.15	1.49	1.45
9	NB	72	MEN	CB-CA	-2.14	1.49	1.53
9	N6	72	MEN	CB-CA	-2.09	1.49	1.53

All (526) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	U3	71	MEN	OD1-CG-CB	-38.81	64.66	121.50
20	S3	71	MEN	OD1-CG-CB	-38.79	64.69	121.50
20	s3	71	MEN	OD1-CG-CB	-38.79	64.69	121.50
20	Q3	71	MEN	OD1-CG-CB	-38.78	64.69	121.50
20	w3	71	MEN	OD1-CG-CB	-38.78	64.69	121.50
20	u3	71	MEN	OD1-CG-CB	-38.77	64.71	121.50
20	L3	71	MEN	CB-CA-C	-24.39	65.75	111.47
20	F3	71	MEN	CB-CA-C	-24.39	65.75	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	h3	71	MEN	CB-CA-C	-24.38	65.77	111.47
20	D3	71	MEN	CB-CA-C	-24.38	65.77	111.47
20	d3	71	MEN	CB-CA-C	-24.38	65.77	111.47
20	j3	71	MEN	CB-CA-C	-24.38	65.77	111.47
20	f3	71	MEN	CB-CA-C	-24.38	65.77	111.47
20	n3	71	MEN	CB-CA-C	-24.37	65.78	111.47
20	M3	71	MEN	CB-CA-C	-24.37	65.78	111.47
20	H3	71	MEN	CB-CA-C	-24.37	65.78	111.47
20	I3	71	MEN	CB-CA-C	-24.37	65.79	111.47
20	o3	71	MEN	CB-CA-C	-24.36	65.79	111.47
20	k3	71	MEN	CB-CA-C	-24.36	65.80	111.47
20	B3	71	MEN	CB-CA-C	-24.36	65.81	111.47
20	M3	71	MEN	OD1-CG-CB	23.53	155.96	121.50
20	B3	71	MEN	OD1-CG-CB	23.51	155.93	121.50
20	L3	71	MEN	OD1-CG-CB	23.51	155.93	121.50
20	h3	71	MEN	OD1-CG-CB	23.51	155.93	121.50
20	H3	71	MEN	OD1-CG-CB	23.49	155.90	121.50
20	j3	71	MEN	OD1-CG-CB	23.49	155.90	121.50
20	k3	71	MEN	OD1-CG-CB	23.49	155.89	121.50
20	I3	71	MEN	OD1-CG-CB	23.49	155.89	121.50
20	n3	71	MEN	OD1-CG-CB	23.48	155.89	121.50
20	f3	71	MEN	OD1-CG-CB	23.48	155.89	121.50
20	o3	71	MEN	OD1-CG-CB	23.48	155.88	121.50
20	D3	71	MEN	OD1-CG-CB	23.48	155.88	121.50
20	F3	71	MEN	OD1-CG-CB	23.47	155.87	121.50
20	d3	71	MEN	OD1-CG-CB	23.47	155.87	121.50
20	H3	71	MEN	CA-CB-CG	-16.30	66.31	112.70
20	M3	71	MEN	CA-CB-CG	-16.30	66.31	112.70
20	D3	71	MEN	CA-CB-CG	-16.30	66.32	112.70
20	h3	71	MEN	CA-CB-CG	-16.30	66.32	112.70
20	F3	71	MEN	CA-CB-CG	-16.30	66.32	112.70
20	d3	71	MEN	CA-CB-CG	-16.30	66.32	112.70
20	k3	71	MEN	CA-CB-CG	-16.30	66.32	112.70
20	f3	71	MEN	CA-CB-CG	-16.30	66.32	112.70
20	j3	71	MEN	CA-CB-CG	-16.30	66.32	112.70
20	n3	71	MEN	CA-CB-CG	-16.30	66.33	112.70
20	I3	71	MEN	CA-CB-CG	-16.30	66.33	112.70
20	L3	71	MEN	CA-CB-CG	-16.29	66.33	112.70
20	B3	71	MEN	CA-CB-CG	-16.29	66.34	112.70
20	o3	71	MEN	CA-CB-CG	-16.29	66.35	112.70
20	Q3	71	MEN	OD1-CG-ND2	-14.64	46.10	122.36
20	j3	71	MEN	CB-CG-ND2	-14.64	95.79	115.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	u3	71	MEN	OD1-CG-ND2	-14.64	46.10	122.36
20	S3	71	MEN	OD1-CG-ND2	-14.64	46.10	122.36
20	k3	71	MEN	CB-CG-ND2	-14.64	95.79	115.48
20	w3	71	MEN	OD1-CG-ND2	-14.64	46.12	122.36
20	F3	71	MEN	CB-CG-ND2	-14.64	95.80	115.48
20	s3	71	MEN	OD1-CG-ND2	-14.64	46.13	122.36
20	d3	71	MEN	CB-CG-ND2	-14.64	95.80	115.48
20	n3	71	MEN	CB-CG-ND2	-14.63	95.80	115.48
20	o3	71	MEN	CB-CG-ND2	-14.63	95.80	115.48
20	L3	71	MEN	CB-CG-ND2	-14.63	95.81	115.48
20	U3	71	MEN	OD1-CG-ND2	-14.63	46.17	122.36
20	B3	71	MEN	CB-CG-ND2	-14.62	95.82	115.48
20	D3	71	MEN	CB-CG-ND2	-14.62	95.83	115.48
20	H3	71	MEN	CB-CG-ND2	-14.61	95.83	115.48
20	f3	71	MEN	CB-CG-ND2	-14.61	95.83	115.48
20	I3	71	MEN	CB-CG-ND2	-14.61	95.84	115.48
20	h3	71	MEN	CB-CG-ND2	-14.59	95.86	115.48
20	M3	71	MEN	CB-CG-ND2	-14.56	95.90	115.48
20	D3	71	MEN	OD1-CG-ND2	-11.66	61.66	122.36
20	h3	71	MEN	OD1-CG-ND2	-11.65	61.67	122.36
20	I3	71	MEN	OD1-CG-ND2	-11.65	61.67	122.36
20	f3	71	MEN	OD1-CG-ND2	-11.65	61.68	122.36
20	d3	71	MEN	OD1-CG-ND2	-11.65	61.68	122.36
20	H3	71	MEN	OD1-CG-ND2	-11.65	61.68	122.36
20	F3	71	MEN	OD1-CG-ND2	-11.65	61.68	122.36
20	M3	71	MEN	OD1-CG-ND2	-11.65	61.69	122.36
20	n3	71	MEN	OD1-CG-ND2	-11.65	61.69	122.36
20	o3	71	MEN	OD1-CG-ND2	-11.65	61.71	122.36
20	k3	71	MEN	OD1-CG-ND2	-11.65	61.71	122.36
20	L3	71	MEN	OD1-CG-ND2	-11.64	61.72	122.36
20	B3	71	MEN	OD1-CG-ND2	-11.64	61.72	122.36
20	j3	71	MEN	OD1-CG-ND2	-11.64	61.73	122.36
9	N6	72	MEN	CB-CA-C	-9.23	94.17	111.47
9	NB	72	MEN	CB-CA-C	-8.83	94.91	111.47
2	LF	72	MEN	CB-CG-ND2	-8.42	104.16	115.48
2	L8	72	MEN	CB-CG-ND2	-8.41	104.17	115.48
2	F8	72	MEN	CB-CG-ND2	-7.93	104.83	115.48
2	FF	72	MEN	CB-CG-ND2	-7.84	104.94	115.48
20	O3	71	MEN	CB-CG-ND2	7.21	125.18	115.48
2	XF	72	MEN	CB-CG-ND2	-6.87	106.25	115.48
2	X8	72	MEN	CB-CG-ND2	-6.85	106.27	115.48
2	RF	72	MEN	CB-CG-ND2	-6.73	106.43	115.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	R8	72	MEN	CB-CG-ND2	-6.73	106.43	115.48
2	T1	72	MEN	CB-CG-ND2	6.63	124.40	115.48
2	TK	72	MEN	CB-CG-ND2	6.62	124.39	115.48
2	B8	72	MEN	CB-CG-ND2	-6.54	106.69	115.48
2	BF	72	MEN	CB-CG-ND2	-6.51	106.72	115.48
20	s3	71	MEN	CB-CA-C	5.77	122.29	111.47
20	U3	71	MEN	CB-CA-C	5.76	122.27	111.47
20	S3	71	MEN	CB-CA-C	5.75	122.26	111.47
20	u3	71	MEN	CB-CA-C	5.75	122.25	111.47
20	w3	71	MEN	CB-CA-C	5.74	122.24	111.47
20	Q3	71	MEN	CB-CA-C	5.73	122.21	111.47
9	L2	72	MEN	CB-CG-ND2	5.67	123.11	115.48
9	LC	72	MEN	CB-CG-ND2	5.61	123.03	115.48
2	N8	72	MEN	CB-CG-ND2	-5.41	108.20	115.48
2	P8	72	MEN	CB-CG-ND2	-5.34	108.30	115.48
2	PF	72	MEN	CB-CG-ND2	-5.34	108.31	115.48
2	NF	72	MEN	CB-CG-ND2	-5.28	108.39	115.48
9	NB	72	MEN	CA-CB-CG	-5.19	97.94	112.70
9	N6	72	MEN	CA-CB-CG	-5.15	98.05	112.70
20	Q3	71	MEN	CB-CG-ND2	-4.91	108.88	115.48
20	S3	71	MEN	CB-CG-ND2	-4.90	108.90	115.48
20	w3	71	MEN	CB-CG-ND2	-4.89	108.91	115.48
20	s3	71	MEN	CB-CG-ND2	-4.89	108.91	115.48
20	u3	71	MEN	CB-CG-ND2	-4.89	108.91	115.48
20	U3	71	MEN	CB-CG-ND2	-4.87	108.93	115.48
2	H8	72	MEN	CB-CG-ND2	-4.81	109.01	115.48
2	HF	72	MEN	CB-CG-ND2	-4.79	109.04	115.48
2	T8	72	MEN	CB-CA-C	-4.39	103.23	111.47
2	JF	72	MEN	CB-CG-ND2	-4.39	109.58	115.48
2	TF	72	MEN	CB-CA-C	-4.38	103.27	111.47
2	D8	72	MEN	CB-CG-ND2	-4.29	109.72	115.48
2	J8	72	MEN	CB-CG-ND2	-4.24	109.78	115.48
2	B9	72	MEN	CB-CA-C	-4.23	103.54	111.47
2	f8	72	MEN	CB-CG-ND2	-4.21	109.82	115.48
2	fF	72	MEN	CB-CG-ND2	-4.19	109.85	115.48
2	DF	72	MEN	CB-CG-ND2	-4.18	109.86	115.48
2	L9	72	MEN	CB-CA-C	-4.11	103.76	111.47
2	dF	72	MEN	CB-CG-ND2	-4.07	110.01	115.48
2	cC	72	MEN	CB-CA-C	-4.04	103.89	111.47
2	d8	72	MEN	CB-CG-ND2	-4.04	110.05	115.48
2	c2	72	MEN	CB-CA-C	-4.03	103.92	111.47
2	Y9	72	MEN	CB-CA-C	-4.01	103.94	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	HH	72	MEN	CB-CA-C	-3.93	104.09	111.47
2	H1	72	MEN	CB-CA-C	-3.84	104.26	111.47
2	HK	72	MEN	CB-CA-C	-3.83	104.30	111.47
2	DF	72	MEN	CB-CA-C	-3.81	104.32	111.47
2	D8	72	MEN	CB-CA-C	-3.77	104.40	111.47
20	u3	71	MEN	CA-CB-CG	3.74	123.34	112.70
20	w3	71	MEN	CA-CB-CG	3.74	123.34	112.70
20	U3	71	MEN	CA-CB-CG	3.74	123.33	112.70
20	s3	71	MEN	CA-CB-CG	3.73	123.32	112.70
20	Q3	71	MEN	CA-CB-CG	3.73	123.32	112.70
20	S3	71	MEN	CA-CB-CG	3.72	123.29	112.70
2	R7	72	MEN	CB-CA-C	-3.71	104.52	111.47
2	U9	72	MEN	CB-CA-C	-3.67	104.59	111.47
2	j8	72	MEN	CB-CG-ND2	-3.66	110.56	115.48
2	BI	72	MEN	CB-CA-C	-3.64	104.64	111.47
2	H9	72	MEN	CB-CA-C	-3.63	104.67	111.47
9	J6	72	MEN	CB-CG-ND2	3.61	120.34	115.48
9	JB	72	MEN	CB-CG-ND2	3.60	120.33	115.48
2	O9	72	MEN	CB-CA-C	-3.59	104.73	111.47
20	O3	71	MEN	OD1-CG-CB	3.57	126.72	121.50
2	IJ	72	MEN	CB-CG-ND2	3.57	120.28	115.48
2	Q9	72	MEN	CB-CA-C	-3.56	104.79	111.47
2	jF	72	MEN	CB-CG-ND2	-3.55	110.71	115.48
2	X7	72	MEN	CB-CA-C	-3.52	104.86	111.47
2	Y5	72	MEN	CB-CA-C	-3.51	104.89	111.47
2	FH	72	MEN	CB-CA-C	-3.48	104.94	111.47
2	H4	72	MEN	CB-CA-C	-3.48	104.94	111.47
2	TC	72	MEN	CB-CA-C	-3.47	104.96	111.47
2	I5	72	MEN	CB-CG-ND2	3.47	120.15	115.48
2	T2	72	MEN	CB-CA-C	-3.46	104.97	111.47
2	W9	72	MEN	CB-CA-C	-3.46	104.98	111.47
2	YJ	72	MEN	CB-CA-C	-3.46	104.98	111.47
2	LI	72	MEN	CB-CA-C	-3.46	104.99	111.47
2	lF	72	MEN	CB-CA-C	-3.45	105.00	111.47
2	l8	72	MEN	CB-CA-C	-3.44	105.02	111.47
2	F9	72	MEN	CB-CA-C	-3.42	105.06	111.47
2	OI	72	MEN	CB-CA-C	-3.42	105.06	111.47
2	M5	72	MEN	CB-CG-ND2	3.42	120.08	115.48
2	MJ	72	MEN	CB-CG-ND2	3.41	120.07	115.48
2	S9	72	MEN	CB-CA-C	-3.40	105.09	111.47
9	HB	72	MEN	CB-CG-ND2	3.37	120.01	115.48
9	J2	72	MEN	CB-CA-C	-3.36	105.18	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
9	JC	72	MEN	CB-CA-C	-3.33	105.23	111.47
2	Z4	72	MEN	CB-CA-C	-3.32	105.24	111.47
2	F4	72	MEN	CB-CA-C	-3.31	105.26	111.47
9	H6	72	MEN	CB-CG-ND2	3.31	119.94	115.48
2	VH	72	MEN	CB-CA-C	-3.30	105.27	111.47
2	Q5	72	MEN	CB-CA-C	-3.30	105.28	111.47
2	F7	72	MEN	CB-CA-C	-3.30	105.29	111.47
2	D9	72	MEN	CB-CA-C	-3.28	105.33	111.47
2	V4	72	MEN	CB-CA-C	-3.27	105.34	111.47
2	g4	72	MEN	CB-CA-C	-3.27	105.35	111.47
2	RH	72	MEN	CB-CA-C	-3.26	105.35	111.47
9	FE	72	MEN	CB-CG-ND2	3.25	119.85	115.48
2	L7	72	MEN	CB-CA-C	-3.24	105.39	111.47
2	QJ	72	MEN	CB-CA-C	-3.24	105.39	111.47
2	J4	72	MEN	CB-CA-C	-3.21	105.44	111.47
2	B7	72	MEN	CB-CA-C	-3.20	105.47	111.47
2	GJ	72	MEN	CB-CA-C	-3.20	105.48	111.47
9	LB	72	MEN	CB-CG-ND2	3.19	119.77	115.48
2	FI	72	MEN	CB-CA-C	-3.19	105.50	111.47
9	FD	72	MEN	CB-CG-ND2	3.18	119.76	115.48
2	m4	72	MEN	CB-CA-C	-3.17	105.53	111.47
2	VF	72	MEN	CB-CA-C	-3.16	105.54	111.47
2	G5	72	MEN	CB-CA-C	-3.16	105.54	111.47
2	UJ	72	MEN	CB-CA-C	-3.16	105.54	111.47
2	U5	72	MEN	CB-CA-C	-3.16	105.55	111.47
2	JG	72	MEN	CB-CA-C	-3.15	105.55	111.47
2	gC	72	MEN	CB-CA-C	-3.15	105.56	111.47
9	L6	72	MEN	CB-CG-ND2	3.14	119.70	115.48
2	V8	72	MEN	CB-CA-C	-3.14	105.59	111.47
2	FF	72	MEN	CB-CA-C	-3.13	105.60	111.47
9	F6	72	MEN	CB-CG-ND2	3.13	119.69	115.48
2	g2	72	MEN	CB-CA-C	-3.12	105.61	111.47
9	JE	72	MEN	CB-CG-ND2	3.12	119.68	115.48
2	FG	72	MEN	CB-CA-C	-3.12	105.62	111.47
2	e4	72	MEN	CB-CA-C	-3.11	105.63	111.47
2	F8	72	MEN	CB-CA-C	-3.11	105.63	111.47
9	JD	72	MEN	CB-CG-ND2	3.11	119.66	115.48
2	k6	72	MEN	CB-CA-C	-3.09	105.67	111.47
2	H7	72	MEN	CB-CA-C	-3.09	105.67	111.47
2	J9	72	MEN	CB-CA-C	-3.09	105.67	111.47
9	LB	72	MEN	CB-CA-C	-3.08	105.69	111.47
2	VC	72	MEN	CB-CA-C	-3.08	105.69	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	D7	72	MEN	CB-CA-C	-3.08	105.70	111.47
9	L6	72	MEN	CB-CA-C	-3.08	105.70	111.47
9	FB	72	MEN	CB-CG-ND2	3.07	119.62	115.48
2	V2	72	MEN	CB-CA-C	-3.06	105.73	111.47
2	p8	72	MEN	CB-CA-C	-3.06	105.73	111.47
2	aE	72	MEN	CB-CA-C	-3.06	105.73	111.47
2	aD	72	MEN	CB-CA-C	-3.06	105.74	111.47
2	kB	72	MEN	CB-CA-C	-3.05	105.75	111.47
2	NF	72	MEN	CB-CA-C	-3.05	105.76	111.47
2	V7	72	MEN	CB-CA-C	-3.04	105.76	111.47
2	LG	72	MEN	CA-CB-CG	-3.04	104.04	112.70
2	kE	72	MEN	CB-CA-C	-3.03	105.78	111.47
2	N1	72	MEN	CB-CA-C	-3.03	105.79	111.47
2	NK	72	MEN	CB-CA-C	-3.02	105.80	111.47
2	E5	72	MEN	CB-CA-C	-3.02	105.81	111.47
2	P7	72	MEN	CB-CA-C	-3.02	105.81	111.47
2	kD	72	MEN	CB-CA-C	-3.01	105.82	111.47
2	EJ	72	MEN	CB-CA-C	-3.01	105.82	111.47
2	N7	72	MEN	CB-CA-C	-3.01	105.83	111.47
2	pF	72	MEN	CB-CA-C	-3.01	105.83	111.47
2	BG	72	MEN	CB-CA-C	-3.00	105.84	111.47
2	N8	72	MEN	CB-CA-C	-2.99	105.86	111.47
2	eB	72	MEN	CB-CA-C	-2.98	105.88	111.47
2	LI	72	MEN	CA-CB-CG	-2.98	104.22	112.70
2	J7	72	MEN	CB-CA-C	-2.97	105.90	111.47
9	DD	72	MEN	CB-CA-C	-2.97	105.90	111.47
2	SG	72	MEN	CB-CA-C	-2.97	105.91	111.47
2	e6	72	MEN	CB-CA-C	-2.96	105.92	111.47
2	T7	72	MEN	CB-CA-C	-2.96	105.92	111.47
2	k4	72	MEN	CB-CA-C	-2.96	105.92	111.47
2	PE	72	MEN	CB-CA-C	-2.96	105.93	111.47
9	DE	72	MEN	CB-CA-C	-2.96	105.93	111.47
2	gD	72	MEN	CB-CA-C	-2.96	105.93	111.47
2	gE	72	MEN	CB-CA-C	-2.96	105.93	111.47
2	PD	72	MEN	CB-CA-C	-2.95	105.94	111.47
2	BI	72	MEN	CA-CB-CG	-2.94	104.34	112.70
2	t8	72	MEN	CB-CA-C	-2.93	105.97	111.47
2	PK	72	MEN	CB-CA-C	-2.90	106.02	111.47
2	iC	72	MEN	CB-CA-C	-2.90	106.03	111.47
2	i4	72	MEN	CB-CA-C	-2.90	106.04	111.47
2	i2	72	MEN	CB-CA-C	-2.89	106.05	111.47
2	UG	72	MEN	CB-CA-C	-2.89	106.05	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	P2	72	MEN	CB-CA-C	-2.89	106.05	111.47
2	P1	72	MEN	CB-CA-C	-2.88	106.06	111.47
2	tF	72	MEN	CB-CA-C	-2.88	106.06	111.47
2	XH	72	MEN	CB-CA-C	-2.86	106.10	111.47
2	WJ	72	MEN	CB-CA-C	-2.86	106.11	111.47
9	HC	72	MEN	CB-CA-C	-2.86	106.11	111.47
2	L4	72	MEN	CB-CA-C	-2.85	106.12	111.47
2	PC	72	MEN	CB-CA-C	-2.85	106.13	111.47
2	P4	72	MEN	CB-CA-C	-2.85	106.13	111.47
2	aC	72	MEN	CB-CG-ND2	2.84	119.30	115.48
9	H2	72	MEN	CB-CA-C	-2.84	106.15	111.47
2	iB	72	MEN	CB-CA-C	-2.82	106.17	111.47
2	W5	72	MEN	CB-CA-C	-2.82	106.18	111.47
2	a2	72	MEN	CB-CG-ND2	2.81	119.26	115.48
2	WG	72	MEN	CB-CA-C	-2.80	106.22	111.47
2	gH	72	MEN	CB-CA-C	-2.80	106.22	111.47
9	ND	72	MEN	CA-CB-CG	-2.80	104.74	112.70
2	GJ	72	MEN	CA-CB-CG	-2.80	104.74	112.70
2	i6	72	MEN	CB-CA-C	-2.79	106.23	111.47
2	G5	72	MEN	CA-CB-CG	-2.79	104.77	112.70
2	OG	72	MEN	CB-CA-C	-2.78	106.26	111.47
2	T6	72	MEN	CB-CA-C	-2.77	106.27	111.47
2	F1	72	MEN	CB-CA-C	-2.77	106.27	111.47
2	HI	72	MEN	CB-CG-ND2	2.77	119.20	115.48
2	FK	72	MEN	CB-CA-C	-2.76	106.29	111.47
2	TB	72	MEN	CB-CA-C	-2.76	106.29	111.47
20	O3	71	MEN	OD1-CG-ND2	-2.76	107.99	122.36
9	FC	72	MEN	CB-CA-C	-2.74	106.32	111.47
9	F2	72	MEN	CB-CA-C	-2.73	106.35	111.47
2	n8	72	MEN	CB-CG-ND2	-2.72	111.82	115.48
2	PH	72	MEN	CB-CA-C	-2.72	106.37	111.47
9	LD	72	MEN	CB-CG-ND2	2.70	119.12	115.48
2	Y6	72	MEN	CB-CA-C	-2.69	106.42	111.47
2	K5	72	MEN	CB-CA-C	-2.69	106.42	111.47
9	HE	72	MEN	CB-CG-ND2	2.69	119.10	115.48
20	h3	71	MEN	CE2-ND2-CG	2.69	142.44	121.93
20	M3	71	MEN	CE2-ND2-CG	2.69	142.43	121.93
20	H3	71	MEN	CE2-ND2-CG	2.69	142.42	121.93
20	I3	71	MEN	CE2-ND2-CG	2.68	142.41	121.93
20	D3	71	MEN	CE2-ND2-CG	2.68	142.40	121.93
2	X4	72	MEN	CB-CA-C	-2.68	106.44	111.47
20	f3	71	MEN	CE2-ND2-CG	2.68	142.40	121.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	k3	71	MEN	CE2-ND2-CG	2.68	142.39	121.93
20	n3	71	MEN	CE2-ND2-CG	2.68	142.39	121.93
20	o3	71	MEN	CE2-ND2-CG	2.68	142.38	121.93
20	F3	71	MEN	CE2-ND2-CG	2.68	142.38	121.93
20	L3	71	MEN	CE2-ND2-CG	2.68	142.37	121.93
20	d3	71	MEN	CE2-ND2-CG	2.68	142.35	121.93
20	B3	71	MEN	CE2-ND2-CG	2.68	142.35	121.93
20	j3	71	MEN	CE2-ND2-CG	2.67	142.34	121.93
2	KJ	72	MEN	CB-CA-C	-2.66	106.48	111.47
2	YB	72	MEN	CB-CA-C	-2.66	106.48	111.47
2	HG	72	MEN	CB-CA-C	-2.65	106.50	111.47
2	g6	72	MEN	CB-CA-C	-2.65	106.51	111.47
2	c4	72	MEN	CB-CA-C	-2.63	106.54	111.47
9	LD	72	MEN	CB-CA-C	-2.62	106.56	111.47
2	JK	72	MEN	CB-CA-C	-2.62	106.56	111.47
2	VD	72	MEN	CB-CA-C	-2.61	106.57	111.47
2	mH	72	MEN	CB-CA-C	-2.61	106.57	111.47
2	JI	72	MEN	CB-CG-ND2	2.61	118.99	115.48
9	DC	72	MEN	CB-CA-C	-2.61	106.58	111.47
9	LE	72	MEN	CB-CG-ND2	2.60	118.98	115.48
2	gB	72	MEN	CB-CA-C	-2.60	106.60	111.47
2	XH	72	MEN	CA-CB-CG	-2.60	105.31	112.70
2	YE	72	MEN	CB-CG-ND2	2.59	118.97	115.48
2	NH	72	MEN	CB-CA-C	-2.59	106.61	111.47
9	LE	72	MEN	CB-CA-C	-2.59	106.61	111.47
2	nF	72	MEN	CB-CG-ND2	-2.59	112.00	115.48
2	XK	72	MEN	CB-CA-C	-2.59	106.61	111.47
2	mD	72	MEN	CB-CA-C	-2.59	106.61	111.47
2	VE	72	MEN	CB-CA-C	-2.59	106.61	111.47
2	X1	72	MEN	CB-CA-C	-2.59	106.62	111.47
2	DG	72	MEN	CB-CA-C	-2.59	106.62	111.47
2	mE	72	MEN	CB-CA-C	-2.58	106.62	111.47
2	mB	72	MEN	CB-CG-ND2	2.58	118.95	115.48
2	J1	72	MEN	CB-CA-C	-2.58	106.64	111.47
9	HD	72	MEN	CB-CG-ND2	2.57	118.94	115.48
9	D2	72	MEN	CB-CA-C	-2.56	106.66	111.47
9	D2	72	MEN	CA-CB-CG	-2.56	105.40	112.70
2	TE	72	MEN	CB-CA-C	-2.56	106.67	111.47
2	C5	72	MEN	CB-CA-C	-2.55	106.68	111.47
9	DC	72	MEN	CA-CB-CG	-2.55	105.44	112.70
2	eE	72	MEN	CB-CA-C	-2.55	106.69	111.47
2	kH	72	MEN	CB-CA-C	-2.55	106.69	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	T1	72	MEN	OD1-CG-CB	-2.55	117.77	121.50
2	YD	72	MEN	CB-CG-ND2	2.54	118.90	115.48
2	eD	72	MEN	CB-CA-C	-2.54	106.71	111.47
2	CJ	72	MEN	CB-CA-C	-2.54	106.71	111.47
9	NE	72	MEN	CB-CA-C	-2.53	106.72	111.47
2	TD	72	MEN	CB-CA-C	-2.53	106.72	111.47
2	RD	72	MEN	CB-CA-C	-2.53	106.73	111.47
2	WI	72	MEN	CB-CA-C	-2.53	106.73	111.47
2	FK	72	MEN	CB-CG-ND2	2.51	118.86	115.48
2	m6	72	MEN	CB-CG-ND2	2.51	118.86	115.48
2	RE	72	MEN	CB-CA-C	-2.51	106.77	111.47
2	X1	72	MEN	CB-CG-ND2	2.50	118.85	115.48
2	JH	72	MEN	CB-CA-C	-2.50	106.79	111.47
2	BA	72	MEN	CA-CB-CG	-2.50	105.60	112.70
2	YA	72	MEN	CA-CB-CG	-2.49	105.60	112.70
2	R4	72	MEN	CB-CA-C	-2.49	106.80	111.47
2	HA	72	MEN	CA-CB-CG	-2.48	105.63	112.70
2	N4	72	MEN	CB-CG-ND2	2.48	118.82	115.48
2	SI	72	MEN	CB-CA-C	-2.48	106.82	111.47
2	F1	72	MEN	CB-CG-ND2	2.47	118.81	115.48
2	T6	72	MEN	CB-CG-ND2	2.46	118.80	115.48
9	NE	72	MEN	CB-CG-ND2	2.46	118.80	115.48
9	JB	72	MEN	CB-CA-C	-2.46	106.86	111.47
2	TB	72	MEN	CB-CG-ND2	2.46	118.79	115.48
2	T4	72	MEN	CB-CA-C	-2.46	106.86	111.47
2	cH	72	MEN	CB-CA-C	-2.45	106.88	111.47
2	V1	72	MEN	CB-CA-C	-2.44	106.89	111.47
2	TK	72	MEN	OD1-CG-CB	-2.44	117.92	121.50
2	L8	72	MEN	OD1-CG-CB	2.44	125.07	121.50
9	J6	72	MEN	CB-CA-C	-2.44	106.90	111.47
2	XK	72	MEN	CB-CG-ND2	2.43	118.76	115.48
2	TF	72	MEN	CB-CG-ND2	-2.43	112.21	115.48
2	S5	72	MEN	CB-CA-C	-2.43	106.92	111.47
2	T8	72	MEN	CB-CG-ND2	-2.42	112.22	115.48
2	LG	72	MEN	CB-CA-C	-2.42	106.93	111.47
2	YG	72	MEN	CB-CA-C	-2.42	106.93	111.47
2	SJ	72	MEN	CB-CA-C	-2.42	106.94	111.47
2	a6	72	MEN	CB-CG-ND2	2.41	118.72	115.48
2	eH	72	MEN	CB-CA-C	-2.40	106.96	111.47
2	VK	72	MEN	CB-CA-C	-2.40	106.97	111.47
2	aB	72	MEN	CB-CG-ND2	2.40	118.71	115.48
2	JF	72	MEN	CB-CA-C	-2.40	106.97	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	LF	72	MEN	OD1-CG-CB	2.38	124.99	121.50
2	J8	72	MEN	CB-CA-C	-2.38	107.00	111.47
2	QI	72	MEN	CB-CG-ND2	2.38	118.69	115.48
2	LH	72	MEN	CB-CA-C	-2.38	107.01	111.47
2	NH	72	MEN	CB-CG-ND2	2.37	118.68	115.48
2	f8	72	MEN	CB-CA-C	-2.37	107.02	111.47
2	fF	72	MEN	CB-CA-C	-2.36	107.04	111.47
9	D6	72	MEN	CB-CG-ND2	2.36	118.66	115.48
2	PC	72	MEN	CB-CG-ND2	2.36	118.65	115.48
2	TH	72	MEN	CB-CA-C	-2.35	107.06	111.47
2	X8	72	MEN	CA-CB-CG	2.35	119.40	112.70
2	OI	72	MEN	CA-CB-CG	-2.35	106.01	112.70
2	GA	72	MEN	CA-CB-CG	-2.35	106.01	112.70
9	DE	72	MEN	CA-CB-CG	-2.33	106.08	112.70
2	F8	72	MEN	OD1-CG-CB	2.32	124.90	121.50
2	DI	72	MEN	CB-CA-C	-2.32	107.11	111.47
2	IA	72	MEN	CA-CB-CG	-2.32	106.10	112.70
2	XF	72	MEN	CA-CB-CG	2.32	119.30	112.70
9	DD	72	MEN	CA-CB-CG	-2.32	106.10	112.70
2	FI	72	MEN	CA-CB-CG	-2.31	106.12	112.70
9	DB	72	MEN	CB-CG-ND2	2.30	118.58	115.48
2	T2	72	MEN	CB-CG-ND2	2.30	118.57	115.48
2	RA	72	MEN	CA-CB-CG	-2.29	106.18	112.70
2	R7	72	MEN	CA-CB-CG	-2.29	106.19	112.70
2	OA	72	MEN	CA-CB-CG	-2.29	106.19	112.70
2	Z8	72	MEN	CA-CB-CG	-2.28	106.20	112.70
2	mC	72	MEN	CB-CA-C	-2.28	107.19	111.47
2	FF	72	MEN	OD1-CG-CB	2.28	124.84	121.50
2	LF	72	MEN	CB-CA-C	-2.28	107.20	111.47
2	P2	72	MEN	CB-CG-ND2	2.28	118.55	115.48
2	V6	72	MEN	CB-CG-ND2	2.28	118.55	115.48
2	C5	72	MEN	CB-CG-ND2	2.27	118.54	115.48
2	H8	72	MEN	CB-CA-C	-2.27	107.21	111.47
2	R6	72	MEN	CB-CG-ND2	2.27	118.54	115.48
2	mB	72	MEN	CB-CA-C	-2.27	107.21	111.47
2	LA	72	MEN	CA-CB-CG	-2.27	106.24	112.70
2	R8	72	MEN	OD1-CG-CB	2.27	124.82	121.50
2	JH	72	MEN	CB-CG-ND2	2.27	118.53	115.48
2	kC	72	MEN	CB-CA-C	-2.26	107.23	111.47
2	a6	72	MEN	CB-CA-C	-2.26	107.23	111.47
2	CJ	72	MEN	CB-CG-ND2	2.26	118.52	115.48
2	QI	72	MEN	CB-CA-C	-2.26	107.24	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	D4	72	MEN	CB-CA-C	-2.26	107.24	111.47
2	RF	72	MEN	OD1-CG-CB	2.25	124.80	121.50
2	m6	72	MEN	CB-CA-C	-2.25	107.26	111.47
2	RB	72	MEN	CB-CG-ND2	2.24	118.50	115.48
2	g4	72	MEN	CB-CG-ND2	2.24	118.50	115.48
20	q3	71	MEN	CB-CG-ND2	2.24	118.50	115.48
2	k2	72	MEN	CB-CA-C	-2.24	107.27	111.47
2	aE	72	MEN	CB-CG-ND2	2.24	118.49	115.48
2	TC	72	MEN	CB-CG-ND2	2.23	118.49	115.48
2	m2	72	MEN	CB-CA-C	-2.23	107.29	111.47
2	HI	72	MEN	CB-CA-C	-2.23	107.29	111.47
2	YI	72	MEN	CB-CA-C	-2.22	107.30	111.47
2	YC	72	MEN	CB-CA-C	-2.22	107.31	111.47
20	s3	71	MEN	CE2-ND2-CG	-2.22	105.00	121.93
20	U3	71	MEN	CE2-ND2-CG	-2.22	105.00	121.93
2	ZF	72	MEN	CA-CB-CG	-2.22	106.39	112.70
20	w3	71	MEN	CE2-ND2-CG	-2.22	105.02	121.93
20	u3	71	MEN	CE2-ND2-CG	-2.22	105.02	121.93
20	Q3	71	MEN	CE2-ND2-CG	-2.21	105.03	121.93
20	S3	71	MEN	CE2-ND2-CG	-2.21	105.03	121.93
2	L8	72	MEN	CB-CA-C	-2.20	107.33	111.47
2	c6	72	MEN	CB-CA-C	-2.20	107.34	111.47
2	H9	72	MEN	CB-CG-ND2	2.20	118.45	115.48
2	aD	72	MEN	CB-CG-ND2	2.20	118.44	115.48
2	HF	72	MEN	CB-CA-C	-2.20	107.35	111.47
2	UI	72	MEN	CB-CG-ND2	2.20	118.44	115.48
2	Y2	72	MEN	CB-CA-C	-2.19	107.36	111.47
2	cB	72	MEN	CB-CA-C	-2.19	107.36	111.47
2	iH	72	MEN	CB-CA-C	-2.19	107.36	111.47
2	eC	72	MEN	CB-CA-C	-2.19	107.36	111.47
2	VB	72	MEN	CB-CG-ND2	2.18	118.42	115.48
2	R6	72	MEN	CB-CA-C	-2.18	107.38	111.47
2	ZH	72	MEN	CB-CA-C	-2.18	107.39	111.47
2	aB	72	MEN	CB-CA-C	-2.17	107.40	111.47
2	RB	72	MEN	CB-CA-C	-2.17	107.40	111.47
2	QG	72	MEN	CA-CB-CG	-2.17	106.53	112.70
2	V2	72	MEN	CB-CG-ND2	2.17	118.40	115.48
2	e6	72	MEN	CA-CB-CG	-2.16	106.54	112.70
2	UI	72	MEN	CB-CA-C	-2.16	107.41	111.47
2	b8	72	MEN	CB-CA-C	-2.16	107.42	111.47
2	bF	72	MEN	CB-CA-C	-2.16	107.42	111.47
2	MJ	72	MEN	CB-CA-C	-2.16	107.43	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
9	L2	72	MEN	CB-CA-C	-2.15	107.44	111.47
2	e2	72	MEN	CB-CA-C	-2.15	107.44	111.47
2	JG	72	MEN	CA-CB-CG	-2.15	106.59	112.70
2	eB	72	MEN	CA-CB-CG	-2.15	106.59	112.70
2	J9	72	MEN	CB-CG-ND2	2.15	118.37	115.48
2	VC	72	MEN	CB-CG-ND2	2.14	118.37	115.48
2	V6	72	MEN	CB-CA-C	-2.14	107.45	111.47
2	CA	72	MEN	CA-CB-CG	-2.14	106.61	112.70
2	DK	72	MEN	CB-CG-ND2	2.14	118.36	115.48
2	VB	72	MEN	CB-CA-C	-2.12	107.49	111.47
2	D1	72	MEN	CB-CG-ND2	2.12	118.34	115.48
9	LC	72	MEN	CB-CA-C	-2.12	107.50	111.47
2	X4	72	MEN	CA-CB-CG	-2.11	106.70	112.70
2	eA	72	MEN	CA-CB-CG	-2.11	106.70	112.70
2	M5	72	MEN	CB-CA-C	-2.11	107.52	111.47
2	BK	72	MEN	CB-CA-C	-2.10	107.54	111.47
2	B1	72	MEN	CB-CA-C	-2.10	107.54	111.47
2	RC	72	MEN	CB-CG-ND2	2.09	118.30	115.48
2	QJ	72	MEN	CB-CG-ND2	2.09	118.30	115.48
2	OJ	72	MEN	CB-CG-ND2	2.08	118.29	115.48
2	P8	72	MEN	OD1-CG-CB	2.08	124.55	121.50
2	O5	72	MEN	CB-CG-ND2	2.08	118.28	115.48
2	r8	72	MEN	CB-CA-C	-2.08	107.57	111.47
2	kH	72	MEN	CB-CG-ND2	2.07	118.27	115.48
2	VD	72	MEN	CB-CG-ND2	2.07	118.27	115.48
2	VE	72	MEN	CB-CG-ND2	2.06	118.26	115.48
2	R2	72	MEN	CB-CG-ND2	2.06	118.26	115.48
2	rF	72	MEN	CB-CA-C	-2.06	107.61	111.47
9	ND	72	MEN	CB-CG-ND2	2.06	118.25	115.48
2	PF	72	MEN	OD1-CG-CB	2.05	124.50	121.50
2	lF	72	MEN	CB-CG-ND2	2.05	118.24	115.48
2	OJ	72	MEN	CB-CA-C	-2.05	107.63	111.47
2	iE	72	MEN	CB-CA-C	-2.05	107.63	111.47
2	vF	72	MEN	CB-CA-C	-2.04	107.64	111.47
9	D6	72	MEN	CB-CA-C	-2.04	107.64	111.47
2	g2	72	MEN	CB-CG-ND2	2.04	118.22	115.48
2	N8	72	MEN	OD1-CG-CB	2.04	124.48	121.50
2	YG	72	MEN	CA-CB-CG	-2.04	106.91	112.70
2	cE	72	MEN	CB-CA-C	-2.03	107.65	111.47
2	LH	72	MEN	CA-CB-CG	-2.03	106.92	112.70
2	jF	72	MEN	CB-CA-C	-2.03	107.66	111.47
9	DB	72	MEN	CB-CA-C	-2.03	107.67	111.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	gC	72	MEN	CB-CG-ND2	2.03	118.21	115.48
2	eH	72	MEN	CA-CB-CG	-2.03	106.93	112.70
2	N4	72	MEN	CB-CA-C	-2.02	107.67	111.47
2	J4	72	MEN	CB-CG-ND2	2.02	118.21	115.48
9	HB	72	MEN	CB-CA-C	-2.02	107.68	111.47
2	O5	72	MEN	CB-CA-C	-2.02	107.68	111.47
2	l8	72	MEN	CB-CG-ND2	2.02	118.20	115.48
2	P4	72	MEN	CB-CG-ND2	2.01	118.19	115.48
2	cD	72	MEN	CB-CA-C	-2.01	107.70	111.47
2	VA	72	MEN	CA-CB-CG	-2.01	106.98	112.70
2	Q5	72	MEN	CB-CG-ND2	2.01	118.19	115.48
9	HE	72	MEN	CB-CA-C	-2.01	107.71	111.47
2	XA	72	MEN	CA-CB-CG	-2.01	106.99	112.70
2	iD	72	MEN	CB-CA-C	-2.00	107.71	111.47

There are no chirality outliers.

All (1198) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	BA	72	MEN	N-CA-CB-CG
2	BA	72	MEN	C-CA-CB-CG
2	BA	72	MEN	CB-CG-ND2-CE2
2	CA	72	MEN	C-CA-CB-CG
2	DA	72	MEN	CB-CG-ND2-CE2
2	FA	72	MEN	C-CA-CB-CG
2	GA	72	MEN	C-CA-CB-CG
2	GA	72	MEN	CB-CG-ND2-CE2
2	HA	72	MEN	C-CA-CB-CG
2	IA	72	MEN	O-C-CA-CB
2	IA	72	MEN	N-CA-CB-CG
2	IA	72	MEN	C-CA-CB-CG
2	LA	72	MEN	CB-CG-ND2-CE2
2	LA	72	MEN	OD1-CG-ND2-CE2
2	MA	72	MEN	C-CA-CB-CG
2	NA	72	MEN	O-C-CA-CB
2	NA	72	MEN	CB-CG-ND2-CE2
2	NA	72	MEN	OD1-CG-ND2-CE2
2	OA	72	MEN	N-CA-CB-CG
2	OA	72	MEN	C-CA-CB-CG
2	OA	72	MEN	CB-CG-ND2-CE2
2	PA	72	MEN	C-CA-CB-CG
2	QA	72	MEN	O-C-CA-CB

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Mol	Chain	Res	Type	Atoms
2	QA	72	MEN	C-CA-CB-CG
2	QA	72	MEN	CB-CG-ND2-CE2
2	RA	72	MEN	O-C-CA-CB
2	RA	72	MEN	CB-CG-ND2-CE2
2	RA	72	MEN	OD1-CG-ND2-CE2
2	SA	72	MEN	C-CA-CB-CG
2	VA	72	MEN	C-CA-CB-CG
2	VA	72	MEN	CB-CG-ND2-CE2
2	XA	72	MEN	O-C-CA-CB
2	XA	72	MEN	C-CA-CB-CG
2	XA	72	MEN	CB-CG-ND2-CE2
2	YA	72	MEN	CB-CG-ND2-CE2
2	ZA	72	MEN	C-CA-CB-CG
2	ZA	72	MEN	CB-CG-ND2-CE2
9	NB	72	MEN	N-CA-CB-CG
9	NB	72	MEN	CB-CG-ND2-CE2
2	PB	72	MEN	C-CA-CB-CG
2	RB	72	MEN	C-CA-CB-CG
2	YB	72	MEN	C-CA-CB-CG
9	DC	72	MEN	C-CA-CB-CG
9	HC	72	MEN	N-CA-CB-CG
9	HC	72	MEN	C-CA-CB-CG
2	PC	72	MEN	C-CA-CB-CG
2	RC	72	MEN	C-CA-CB-CG
2	TC	72	MEN	O-C-CA-CB
2	TC	72	MEN	N-CA-CB-CG
2	TC	72	MEN	C-CA-CB-CG
9	DD	72	MEN	C-CA-CB-CG
9	HD	72	MEN	C-CA-CB-CG
9	LD	72	MEN	C-CA-CB-CG
2	RD	72	MEN	C-CA-CB-CG
2	YD	72	MEN	O-C-CA-CB
2	YD	72	MEN	C-CA-CB-CG
9	DE	72	MEN	C-CA-CB-CG
9	HE	72	MEN	C-CA-CB-CG
9	LE	72	MEN	C-CA-CB-CG
2	RE	72	MEN	C-CA-CB-CG
2	YE	72	MEN	O-C-CA-CB
2	YE	72	MEN	C-CA-CB-CG
2	LF	72	MEN	O-C-CA-CB
2	PF	72	MEN	O-C-CA-CB
2	ZF	72	MEN	O-C-CA-CB

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Mol	Chain	Res	Type	Atoms
2	ZF	72	MEN	C-CA-CB-CG
2	BG	72	MEN	O-C-CA-CB
2	BG	72	MEN	C-CA-CB-CG
2	DG	72	MEN	C-CA-CB-CG
2	FG	72	MEN	O-C-CA-CB
2	FG	72	MEN	C-CA-CB-CG
2	HG	72	MEN	C-CA-CB-CG
2	JG	72	MEN	O-C-CA-CB
2	JG	72	MEN	C-CA-CB-CG
2	LG	72	MEN	C-CA-CB-CG
2	OG	72	MEN	O-C-CA-CB
2	OG	72	MEN	C-CA-CB-CG
2	QG	72	MEN	C-CA-CB-CG
2	SG	72	MEN	C-CA-CB-CG
2	UG	72	MEN	N-CA-CB-CG
2	UG	72	MEN	C-CA-CB-CG
2	WG	72	MEN	O-C-CA-CB
2	WG	72	MEN	C-CA-CB-CG
2	YG	72	MEN	C-CA-CB-CG
2	DH	72	MEN	C-CA-CB-CG
2	FH	72	MEN	N-CA-CB-CG
2	FH	72	MEN	C-CA-CB-CG
2	HH	72	MEN	C-CA-CB-CG
2	LH	72	MEN	O-C-CA-CB
2	LH	72	MEN	C-CA-CB-CG
2	NH	72	MEN	O-C-CA-CB
2	NH	72	MEN	C-CA-CB-CG
2	TH	72	MEN	O-C-CA-CB
2	TH	72	MEN	C-CA-CB-CG
2	VH	72	MEN	C-CA-CB-CG
2	XH	72	MEN	O-C-CA-CB
2	XH	72	MEN	C-CA-CB-CG
2	ZH	72	MEN	C-CA-CB-CG
2	OI	72	MEN	C-CA-CB-CG
2	CJ	72	MEN	C-CA-CB-CG
2	GJ	72	MEN	C-CA-CB-CG
2	KJ	72	MEN	C-CA-CB-CG
2	MJ	72	MEN	C-CA-CB-CG
2	QJ	72	MEN	N-CA-CB-CG
2	QJ	72	MEN	C-CA-CB-CG
2	WJ	72	MEN	C-CA-CB-CG
2	YJ	72	MEN	N-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	BK	72	MEN	N-CA-CB-CG
2	DK	72	MEN	O-C-CA-CB
2	FK	72	MEN	C-CA-CB-CG
2	LK	72	MEN	O-C-CA-CB
2	LK	72	MEN	C-CA-CB-CG
2	NK	72	MEN	C-CA-CB-CG
2	PK	72	MEN	C-CA-CB-CG
2	RK	72	MEN	C-CA-CB-CG
2	TK	72	MEN	C-CA-CB-CG
2	TK	72	MEN	CB-CG-ND2-CE2
2	TK	72	MEN	OD1-CG-ND2-CE2
2	VK	72	MEN	C-CA-CB-CG
2	B1	72	MEN	N-CA-CB-CG
2	D1	72	MEN	O-C-CA-CB
2	F1	72	MEN	C-CA-CB-CG
2	L1	72	MEN	O-C-CA-CB
2	L1	72	MEN	C-CA-CB-CG
2	N1	72	MEN	C-CA-CB-CG
2	P1	72	MEN	C-CA-CB-CG
2	R1	72	MEN	C-CA-CB-CG
2	T1	72	MEN	C-CA-CB-CG
2	T1	72	MEN	CB-CG-ND2-CE2
2	T1	72	MEN	OD1-CG-ND2-CE2
2	V1	72	MEN	C-CA-CB-CG
2	P2	72	MEN	C-CA-CB-CG
2	R2	72	MEN	C-CA-CB-CG
2	T2	72	MEN	O-C-CA-CB
2	T2	72	MEN	N-CA-CB-CG
2	T2	72	MEN	C-CA-CB-CG
9	D2	72	MEN	C-CA-CB-CG
9	H2	72	MEN	N-CA-CB-CG
9	H2	72	MEN	C-CA-CB-CG
2	g2	72	MEN	O-C-CA-CB
2	g2	72	MEN	CA-CB-CG-OD1
2	g2	72	MEN	CA-CB-CG-ND2
2	i2	72	MEN	C-CA-CB-CG
2	c2	72	MEN	C-CA-CB-CG
2	e2	72	MEN	O-C-CA-CB
20	B3	71	MEN	O-C-CA-CB
20	B3	71	MEN	CB-CG-ND2-CE2
20	D3	71	MEN	O-C-CA-CB
20	D3	71	MEN	CB-CG-ND2-CE2

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Mol	Chain	Res	Type	Atoms
20	F3	71	MEN	CB-CG-ND2-CE2
20	H3	71	MEN	CB-CG-ND2-CE2
20	I3	71	MEN	O-C-CA-CB
20	I3	71	MEN	CB-CG-ND2-CE2
20	L3	71	MEN	CB-CG-ND2-CE2
20	M3	71	MEN	CB-CG-ND2-CE2
20	O3	71	MEN	CB-CG-ND2-CE2
20	O3	71	MEN	OD1-CG-ND2-CE2
20	Q3	71	MEN	O-C-CA-CB
20	Q3	71	MEN	CB-CG-ND2-CE2
20	S3	71	MEN	O-C-CA-CB
20	S3	71	MEN	CB-CG-ND2-CE2
20	U3	71	MEN	O-C-CA-CB
20	U3	71	MEN	CB-CG-ND2-CE2
20	d3	71	MEN	O-C-CA-CB
20	d3	71	MEN	CB-CG-ND2-CE2
20	f3	71	MEN	CB-CG-ND2-CE2
20	h3	71	MEN	O-C-CA-CB
20	h3	71	MEN	CB-CG-ND2-CE2
20	j3	71	MEN	CB-CG-ND2-CE2
20	k3	71	MEN	CB-CG-ND2-CE2
20	n3	71	MEN	CB-CG-ND2-CE2
20	o3	71	MEN	O-C-CA-CB
20	o3	71	MEN	CB-CG-ND2-CE2
20	q3	71	MEN	CB-CG-ND2-CE2
20	q3	71	MEN	OD1-CG-ND2-CE2
20	s3	71	MEN	O-C-CA-CB
20	s3	71	MEN	CB-CG-ND2-CE2
20	u3	71	MEN	O-C-CA-CB
20	u3	71	MEN	CB-CG-ND2-CE2
20	w3	71	MEN	O-C-CA-CB
20	w3	71	MEN	CB-CG-ND2-CE2
2	D4	72	MEN	O-C-CA-CB
2	D4	72	MEN	C-CA-CB-CG
2	F4	72	MEN	C-CA-CB-CG
2	H4	72	MEN	O-C-CA-CB
2	J4	72	MEN	C-CA-CB-CG
2	L4	72	MEN	C-CA-CB-CG
2	N4	72	MEN	O-C-CA-CB
2	N4	72	MEN	C-CA-CB-CG
2	P4	72	MEN	O-C-CA-CB
2	R4	72	MEN	C-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	T4	72	MEN	O-C-CA-CB
2	T4	72	MEN	C-CA-CB-CG
2	V4	72	MEN	C-CA-CB-CG
2	X4	72	MEN	O-C-CA-CB
2	X4	72	MEN	C-CA-CB-CG
2	Z4	72	MEN	O-C-CA-CB
2	Z4	72	MEN	C-CA-CB-CG
2	e4	72	MEN	C-CA-CB-CG
2	g4	72	MEN	O-C-CA-CB
2	g4	72	MEN	C-CA-CB-CG
2	i4	72	MEN	O-C-CA-CB
2	i4	72	MEN	C-CA-CB-CG
2	k4	72	MEN	C-CA-CB-CG
2	m4	72	MEN	C-CA-CB-CG
2	M5	72	MEN	C-CA-CB-CG
2	Q5	72	MEN	N-CA-CB-CG
2	Q5	72	MEN	C-CA-CB-CG
2	C5	72	MEN	C-CA-CB-CG
2	G5	72	MEN	C-CA-CB-CG
2	K5	72	MEN	C-CA-CB-CG
2	W5	72	MEN	C-CA-CB-CG
2	Y5	72	MEN	N-CA-CB-CG
9	N6	72	MEN	C-CA-CB-CG
9	N6	72	MEN	CB-CG-ND2-CE2
2	P6	72	MEN	C-CA-CB-CG
2	R6	72	MEN	C-CA-CB-CG
2	Y6	72	MEN	C-CA-CB-CG
2	i6	72	MEN	C-CA-CB-CG
2	k6	72	MEN	O-C-CA-CB
2	k6	72	MEN	C-CA-CB-CG
2	m6	72	MEN	C-CA-CB-CG
2	e6	72	MEN	O-C-CA-CB
2	g6	72	MEN	C-CA-CB-CG
2	B7	72	MEN	C-CA-CB-CG
2	D7	72	MEN	C-CA-CB-CG
2	F7	72	MEN	O-C-CA-CB
2	F7	72	MEN	C-CA-CB-CG
2	H7	72	MEN	C-CA-CB-CG
2	J7	72	MEN	C-CA-CB-CG
2	L7	72	MEN	C-CA-CB-CG
2	N7	72	MEN	C-CA-CB-CG
2	P7	72	MEN	C-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	T7	72	MEN	C-CA-CB-CG
2	V7	72	MEN	C-CA-CB-CG
2	X7	72	MEN	C-CA-CB-CG
2	Z8	72	MEN	O-C-CA-CB
2	Z8	72	MEN	C-CA-CB-CG
2	L8	72	MEN	O-C-CA-CB
2	P8	72	MEN	O-C-CA-CB
2	b8	72	MEN	N-CA-CB-CG
2	b8	72	MEN	C-CA-CB-CG
2	d8	72	MEN	O-C-CA-CB
2	j8	72	MEN	C-CA-CB-CG
2	n8	72	MEN	C-CA-CB-CG
2	p8	72	MEN	O-C-CA-CB
2	r8	72	MEN	O-C-CA-CB
2	t8	72	MEN	C-CA-CB-CG
2	B9	72	MEN	N-CA-CB-CG
2	B9	72	MEN	C-CA-CB-CG
2	F9	72	MEN	C-CA-CB-CG
2	H9	72	MEN	C-CA-CB-CG
2	J9	72	MEN	O-C-CA-CB
2	L9	72	MEN	C-CA-CB-CG
2	O9	72	MEN	C-CA-CB-CG
2	Q9	72	MEN	C-CA-CB-CG
2	S9	72	MEN	N-CA-CB-CG
2	S9	72	MEN	C-CA-CB-CG
2	W9	72	MEN	C-CA-CB-CG
2	Y9	72	MEN	C-CA-CB-CG
2	aA	72	MEN	C-CA-CB-CG
2	bA	72	MEN	CB-CG-ND2-CE2
2	dA	72	MEN	O-C-CA-CB
2	dA	72	MEN	C-CA-CB-CG
2	dA	72	MEN	CB-CG-ND2-CE2
2	eA	72	MEN	C-CA-CB-CG
2	gA	72	MEN	O-C-CA-CB
2	gA	72	MEN	C-CA-CB-CG
2	iB	72	MEN	C-CA-CB-CG
2	kB	72	MEN	O-C-CA-CB
2	kB	72	MEN	C-CA-CB-CG
2	mB	72	MEN	C-CA-CB-CG
2	eB	72	MEN	O-C-CA-CB
2	gB	72	MEN	C-CA-CB-CG
2	gC	72	MEN	O-C-CA-CB

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Mol	Chain	Res	Type	Atoms
2	gC	72	MEN	CA-CB-CG-OD1
2	gC	72	MEN	CA-CB-CG-ND2
2	iC	72	MEN	C-CA-CB-CG
2	cC	72	MEN	C-CA-CB-CG
2	eC	72	MEN	O-C-CA-CB
2	aD	72	MEN	C-CA-CB-CG
2	cD	72	MEN	O-C-CA-CB
2	kD	72	MEN	C-CA-CB-CG
2	aE	72	MEN	C-CA-CB-CG
2	cE	72	MEN	O-C-CA-CB
2	kE	72	MEN	C-CA-CB-CG
2	bF	72	MEN	N-CA-CB-CG
2	bF	72	MEN	C-CA-CB-CG
2	dF	72	MEN	O-C-CA-CB
2	jF	72	MEN	C-CA-CB-CG
2	nF	72	MEN	C-CA-CB-CG
2	pF	72	MEN	O-C-CA-CB
2	rF	72	MEN	O-C-CA-CB
2	tF	72	MEN	C-CA-CB-CG
2	eH	72	MEN	C-CA-CB-CG
2	iH	72	MEN	C-CA-CB-CG
2	kH	72	MEN	C-CA-CB-CG
2	mH	72	MEN	C-CA-CB-CG
2	VC	72	MEN	CA-CB-CG-OD1
2	VD	72	MEN	CA-CB-CG-OD1
2	VE	72	MEN	CA-CB-CG-OD1
2	OJ	72	MEN	CA-CB-CG-OD1
2	SJ	72	MEN	CA-CB-CG-OD1
2	YJ	72	MEN	CA-CB-CG-OD1
2	FK	72	MEN	CA-CB-CG-OD1
2	F1	72	MEN	CA-CB-CG-OD1
2	V2	72	MEN	CA-CB-CG-OD1
2	k2	72	MEN	CA-CB-CG-OD1
2	J4	72	MEN	CA-CB-CG-OD1
2	O5	72	MEN	CA-CB-CG-OD1
2	S5	72	MEN	CA-CB-CG-OD1
2	Y5	72	MEN	CA-CB-CG-OD1
2	m6	72	MEN	CA-CB-CG-OD1
2	F9	72	MEN	CA-CB-CG-OD1
2	H9	72	MEN	CA-CB-CG-OD1
2	J9	72	MEN	CA-CB-CG-OD1
2	S9	72	MEN	CA-CB-CG-OD1

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Mol	Chain	Res	Type	Atoms
2	W9	72	MEN	CA-CB-CG-OD1
2	mB	72	MEN	CA-CB-CG-OD1
2	kC	72	MEN	CA-CB-CG-OD1
2	aD	72	MEN	CA-CB-CG-OD1
2	aE	72	MEN	CA-CB-CG-OD1
2	TB	72	MEN	CA-CB-CG-ND2
9	LC	72	MEN	CA-CB-CG-ND2
2	VC	72	MEN	CA-CB-CG-ND2
2	VD	72	MEN	CA-CB-CG-ND2
2	VE	72	MEN	CA-CB-CG-ND2
2	PH	72	MEN	CA-CB-CG-ND2
2	OJ	72	MEN	CA-CB-CG-ND2
2	SJ	72	MEN	CA-CB-CG-ND2
2	YJ	72	MEN	CA-CB-CG-ND2
2	FK	72	MEN	CA-CB-CG-ND2
2	F1	72	MEN	CA-CB-CG-ND2
9	L2	72	MEN	CA-CB-CG-ND2
2	V2	72	MEN	CA-CB-CG-ND2
2	k2	72	MEN	CA-CB-CG-ND2
2	J4	72	MEN	CA-CB-CG-ND2
2	P4	72	MEN	CA-CB-CG-ND2
2	c4	72	MEN	CA-CB-CG-ND2
2	g4	72	MEN	CA-CB-CG-ND2
2	k4	72	MEN	CA-CB-CG-ND2
2	O5	72	MEN	CA-CB-CG-ND2
2	S5	72	MEN	CA-CB-CG-ND2
2	Y5	72	MEN	CA-CB-CG-ND2
2	T6	72	MEN	CA-CB-CG-ND2
2	k6	72	MEN	CA-CB-CG-ND2
2	m6	72	MEN	CA-CB-CG-ND2
2	t8	72	MEN	CA-CB-CG-ND2
2	F9	72	MEN	CA-CB-CG-ND2
2	H9	72	MEN	CA-CB-CG-ND2
2	J9	72	MEN	CA-CB-CG-ND2
2	S9	72	MEN	CA-CB-CG-ND2
2	W9	72	MEN	CA-CB-CG-ND2
2	kB	72	MEN	CA-CB-CG-ND2
2	mB	72	MEN	CA-CB-CG-ND2
2	kC	72	MEN	CA-CB-CG-ND2
2	aD	72	MEN	CA-CB-CG-ND2
2	aE	72	MEN	CA-CB-CG-ND2
2	tF	72	MEN	CA-CB-CG-ND2

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Mol	Chain	Res	Type	Atoms
2	mH	72	MEN	CA-CB-CG-ND2
2	BA	72	MEN	OD1-CG-ND2-CE2
2	DA	72	MEN	OD1-CG-ND2-CE2
2	OA	72	MEN	OD1-CG-ND2-CE2
2	VA	72	MEN	OD1-CG-ND2-CE2
2	XA	72	MEN	OD1-CG-ND2-CE2
2	YA	72	MEN	OD1-CG-ND2-CE2
9	NB	72	MEN	OD1-CG-ND2-CE2
20	B3	71	MEN	OD1-CG-ND2-CE2
20	D3	71	MEN	OD1-CG-ND2-CE2
20	F3	71	MEN	OD1-CG-ND2-CE2
20	H3	71	MEN	OD1-CG-ND2-CE2
20	I3	71	MEN	OD1-CG-ND2-CE2
20	L3	71	MEN	OD1-CG-ND2-CE2
20	M3	71	MEN	OD1-CG-ND2-CE2
20	d3	71	MEN	OD1-CG-ND2-CE2
20	f3	71	MEN	OD1-CG-ND2-CE2
20	h3	71	MEN	OD1-CG-ND2-CE2
20	j3	71	MEN	OD1-CG-ND2-CE2
20	k3	71	MEN	OD1-CG-ND2-CE2
20	n3	71	MEN	OD1-CG-ND2-CE2
20	o3	71	MEN	OD1-CG-ND2-CE2
9	N6	72	MEN	OD1-CG-ND2-CE2
2	dA	72	MEN	OD1-CG-ND2-CE2
2	CA	72	MEN	N-CA-CB-CG
2	DA	72	MEN	N-CA-CB-CG
2	FA	72	MEN	N-CA-CB-CG
2	GA	72	MEN	N-CA-CB-CG
2	HA	72	MEN	N-CA-CB-CG
2	LA	72	MEN	N-CA-CB-CG
2	MA	72	MEN	N-CA-CB-CG
2	PA	72	MEN	N-CA-CB-CG
2	QA	72	MEN	N-CA-CB-CG
2	SA	72	MEN	N-CA-CB-CG
2	VA	72	MEN	N-CA-CB-CG
2	XA	72	MEN	N-CA-CB-CG
2	YA	72	MEN	N-CA-CB-CG
2	ZA	72	MEN	N-CA-CB-CG
2	YB	72	MEN	N-CA-CB-CG
9	DC	72	MEN	N-CA-CB-CG
2	PC	72	MEN	N-CA-CB-CG
2	RC	72	MEN	N-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	VC	72	MEN	N-CA-CB-CG
9	DD	72	MEN	N-CA-CB-CG
2	RD	72	MEN	N-CA-CB-CG
9	DE	72	MEN	N-CA-CB-CG
9	HE	72	MEN	N-CA-CB-CG
2	RE	72	MEN	N-CA-CB-CG
2	ZF	72	MEN	N-CA-CB-CG
2	BG	72	MEN	N-CA-CB-CG
2	DG	72	MEN	N-CA-CB-CG
2	FG	72	MEN	N-CA-CB-CG
2	HG	72	MEN	N-CA-CB-CG
2	JG	72	MEN	N-CA-CB-CG
2	LG	72	MEN	N-CA-CB-CG
2	OG	72	MEN	N-CA-CB-CG
2	QG	72	MEN	N-CA-CB-CG
2	SG	72	MEN	N-CA-CB-CG
2	WG	72	MEN	N-CA-CB-CG
2	YG	72	MEN	N-CA-CB-CG
2	DH	72	MEN	N-CA-CB-CG
2	HH	72	MEN	N-CA-CB-CG
2	LH	72	MEN	N-CA-CB-CG
2	NH	72	MEN	N-CA-CB-CG
2	RH	72	MEN	N-CA-CB-CG
2	TH	72	MEN	N-CA-CB-CG
2	VH	72	MEN	N-CA-CB-CG
2	XH	72	MEN	N-CA-CB-CG
2	ZH	72	MEN	N-CA-CB-CG
2	OI	72	MEN	N-CA-CB-CG
2	CJ	72	MEN	N-CA-CB-CG
2	GJ	72	MEN	N-CA-CB-CG
2	KJ	72	MEN	N-CA-CB-CG
2	MJ	72	MEN	N-CA-CB-CG
2	SJ	72	MEN	N-CA-CB-CG
2	WJ	72	MEN	N-CA-CB-CG
2	FK	72	MEN	N-CA-CB-CG
2	PK	72	MEN	N-CA-CB-CG
2	RK	72	MEN	N-CA-CB-CG
2	TK	72	MEN	N-CA-CB-CG
2	VK	72	MEN	N-CA-CB-CG
2	F1	72	MEN	N-CA-CB-CG
2	P1	72	MEN	N-CA-CB-CG
2	R1	72	MEN	N-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	T1	72	MEN	N-CA-CB-CG
2	V1	72	MEN	N-CA-CB-CG
2	P2	72	MEN	N-CA-CB-CG
2	R2	72	MEN	N-CA-CB-CG
9	D2	72	MEN	N-CA-CB-CG
2	V2	72	MEN	N-CA-CB-CG
2	i2	72	MEN	N-CA-CB-CG
2	c2	72	MEN	N-CA-CB-CG
20	Q3	71	MEN	N-CA-CB-CG
20	S3	71	MEN	N-CA-CB-CG
20	U3	71	MEN	N-CA-CB-CG
20	s3	71	MEN	N-CA-CB-CG
20	u3	71	MEN	N-CA-CB-CG
20	w3	71	MEN	N-CA-CB-CG
2	D4	72	MEN	N-CA-CB-CG
2	F4	72	MEN	N-CA-CB-CG
2	H4	72	MEN	N-CA-CB-CG
2	J4	72	MEN	N-CA-CB-CG
2	L4	72	MEN	N-CA-CB-CG
2	N4	72	MEN	N-CA-CB-CG
2	T4	72	MEN	N-CA-CB-CG
2	V4	72	MEN	N-CA-CB-CG
2	X4	72	MEN	N-CA-CB-CG
2	Z4	72	MEN	N-CA-CB-CG
2	c4	72	MEN	N-CA-CB-CG
2	e4	72	MEN	N-CA-CB-CG
2	g4	72	MEN	N-CA-CB-CG
2	i4	72	MEN	N-CA-CB-CG
2	k4	72	MEN	N-CA-CB-CG
2	m4	72	MEN	N-CA-CB-CG
2	M5	72	MEN	N-CA-CB-CG
2	S5	72	MEN	N-CA-CB-CG
2	C5	72	MEN	N-CA-CB-CG
2	G5	72	MEN	N-CA-CB-CG
2	K5	72	MEN	N-CA-CB-CG
2	W5	72	MEN	N-CA-CB-CG
9	N6	72	MEN	N-CA-CB-CG
2	Y6	72	MEN	N-CA-CB-CG
2	i6	72	MEN	N-CA-CB-CG
2	k6	72	MEN	N-CA-CB-CG
2	g6	72	MEN	N-CA-CB-CG
2	B7	72	MEN	N-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	D7	72	MEN	N-CA-CB-CG
2	H7	72	MEN	N-CA-CB-CG
2	J7	72	MEN	N-CA-CB-CG
2	L7	72	MEN	N-CA-CB-CG
2	N7	72	MEN	N-CA-CB-CG
2	P7	72	MEN	N-CA-CB-CG
2	T7	72	MEN	N-CA-CB-CG
2	V7	72	MEN	N-CA-CB-CG
2	X7	72	MEN	N-CA-CB-CG
2	Z8	72	MEN	N-CA-CB-CG
2	l8	72	MEN	N-CA-CB-CG
2	t8	72	MEN	N-CA-CB-CG
2	F9	72	MEN	N-CA-CB-CG
2	H9	72	MEN	N-CA-CB-CG
2	J9	72	MEN	N-CA-CB-CG
2	L9	72	MEN	N-CA-CB-CG
2	O9	72	MEN	N-CA-CB-CG
2	Q9	72	MEN	N-CA-CB-CG
2	U9	72	MEN	N-CA-CB-CG
2	W9	72	MEN	N-CA-CB-CG
2	Y9	72	MEN	N-CA-CB-CG
2	aA	72	MEN	N-CA-CB-CG
2	dA	72	MEN	N-CA-CB-CG
2	eA	72	MEN	N-CA-CB-CG
2	gA	72	MEN	N-CA-CB-CG
2	iB	72	MEN	N-CA-CB-CG
2	kB	72	MEN	N-CA-CB-CG
2	gB	72	MEN	N-CA-CB-CG
2	iC	72	MEN	N-CA-CB-CG
2	cC	72	MEN	N-CA-CB-CG
2	aD	72	MEN	N-CA-CB-CG
2	kD	72	MEN	N-CA-CB-CG
2	aE	72	MEN	N-CA-CB-CG
2	kE	72	MEN	N-CA-CB-CG
2	lF	72	MEN	N-CA-CB-CG
2	tF	72	MEN	N-CA-CB-CG
2	cH	72	MEN	N-CA-CB-CG
2	eH	72	MEN	N-CA-CB-CG
2	iH	72	MEN	N-CA-CB-CG
2	kH	72	MEN	N-CA-CB-CG
2	mH	72	MEN	N-CA-CB-CG
9	LC	72	MEN	CA-CB-CG-OD1

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Mol	Chain	Res	Type	Atoms
2	PH	72	MEN	CA-CB-CG-OD1
9	L2	72	MEN	CA-CB-CG-OD1
2	P4	72	MEN	CA-CB-CG-OD1
2	k4	72	MEN	CA-CB-CG-OD1
2	T6	72	MEN	CA-CB-CG-OD1
2	k6	72	MEN	CA-CB-CG-OD1
2	t8	72	MEN	CA-CB-CG-OD1
2	kB	72	MEN	CA-CB-CG-OD1
2	tF	72	MEN	CA-CB-CG-OD1
2	PC	72	MEN	CA-CB-CG-ND2
2	PK	72	MEN	CA-CB-CG-ND2
2	P1	72	MEN	CA-CB-CG-ND2
2	P2	72	MEN	CA-CB-CG-ND2
2	m4	72	MEN	CA-CB-CG-ND2
2	r8	72	MEN	CA-CB-CG-ND2
2	D9	72	MEN	CA-CB-CG-ND2
2	O9	72	MEN	CA-CB-CG-ND2
2	rF	72	MEN	CA-CB-CG-ND2
2	GA	72	MEN	OD1-CG-ND2-CE2
2	QA	72	MEN	OD1-CG-ND2-CE2
2	ZA	72	MEN	OD1-CG-ND2-CE2
20	Q3	71	MEN	OD1-CG-ND2-CE2
20	S3	71	MEN	OD1-CG-ND2-CE2
20	U3	71	MEN	OD1-CG-ND2-CE2
20	s3	71	MEN	OD1-CG-ND2-CE2
20	u3	71	MEN	OD1-CG-ND2-CE2
20	w3	71	MEN	OD1-CG-ND2-CE2
2	bA	72	MEN	OD1-CG-ND2-CE2
2	PA	72	MEN	CA-CB-CG-OD1
9	DB	72	MEN	CA-CB-CG-OD1
9	HB	72	MEN	CA-CB-CG-OD1
2	RB	72	MEN	CA-CB-CG-OD1
2	TB	72	MEN	CA-CB-CG-OD1
9	DC	72	MEN	CA-CB-CG-OD1
9	FC	72	MEN	CA-CB-CG-OD1
9	NC	72	MEN	CA-CB-CG-OD1
2	PC	72	MEN	CA-CB-CG-OD1
9	LD	72	MEN	CA-CB-CG-OD1
2	PD	72	MEN	CA-CB-CG-OD1
2	TD	72	MEN	CA-CB-CG-OD1
9	LE	72	MEN	CA-CB-CG-OD1
2	PE	72	MEN	CA-CB-CG-OD1

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Mol	Chain	Res	Type	Atoms
2	TE	72	MEN	CA-CB-CG-OD1
2	BF	72	MEN	CA-CB-CG-OD1
2	JF	72	MEN	CA-CB-CG-OD1
2	LF	72	MEN	CA-CB-CG-OD1
2	NF	72	MEN	CA-CB-CG-OD1
2	RF	72	MEN	CA-CB-CG-OD1
2	XF	72	MEN	CA-CB-CG-OD1
2	BG	72	MEN	CA-CB-CG-OD1
2	FG	72	MEN	CA-CB-CG-OD1
2	HG	72	MEN	CA-CB-CG-OD1
2	OG	72	MEN	CA-CB-CG-OD1
2	QG	72	MEN	CA-CB-CG-OD1
2	SG	72	MEN	CA-CB-CG-OD1
2	FH	72	MEN	CA-CB-CG-OD1
2	FI	72	MEN	CA-CB-CG-OD1
2	HI	72	MEN	CA-CB-CG-OD1
2	JI	72	MEN	CA-CB-CG-OD1
2	SI	72	MEN	CA-CB-CG-OD1
2	YI	72	MEN	CA-CB-CG-OD1
2	GJ	72	MEN	CA-CB-CG-OD1
2	PK	72	MEN	CA-CB-CG-OD1
2	RK	72	MEN	CA-CB-CG-OD1
2	P1	72	MEN	CA-CB-CG-OD1
2	R1	72	MEN	CA-CB-CG-OD1
9	N2	72	MEN	CA-CB-CG-OD1
2	P2	72	MEN	CA-CB-CG-OD1
9	D2	72	MEN	CA-CB-CG-OD1
9	F2	72	MEN	CA-CB-CG-OD1
2	F4	72	MEN	CA-CB-CG-OD1
2	L4	72	MEN	CA-CB-CG-OD1
2	V4	72	MEN	CA-CB-CG-OD1
2	c4	72	MEN	CA-CB-CG-OD1
2	g4	72	MEN	CA-CB-CG-OD1
2	m4	72	MEN	CA-CB-CG-OD1
2	G5	72	MEN	CA-CB-CG-OD1
9	H6	72	MEN	CA-CB-CG-OD1
9	D6	72	MEN	CA-CB-CG-OD1
2	R6	72	MEN	CA-CB-CG-OD1
2	B7	72	MEN	CA-CB-CG-OD1
2	R7	72	MEN	CA-CB-CG-OD1
2	X8	72	MEN	CA-CB-CG-OD1
2	B8	72	MEN	CA-CB-CG-OD1

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Mol	Chain	Res	Type	Atoms
2	J8	72	MEN	CA-CB-CG-OD1
2	N8	72	MEN	CA-CB-CG-OD1
2	R8	72	MEN	CA-CB-CG-OD1
2	b8	72	MEN	CA-CB-CG-OD1
2	d8	72	MEN	CA-CB-CG-OD1
2	r8	72	MEN	CA-CB-CG-OD1
2	D9	72	MEN	CA-CB-CG-OD1
2	L9	72	MEN	CA-CB-CG-OD1
2	O9	72	MEN	CA-CB-CG-OD1
2	gA	72	MEN	CA-CB-CG-OD1
2	bF	72	MEN	CA-CB-CG-OD1
2	dF	72	MEN	CA-CB-CG-OD1
2	rF	72	MEN	CA-CB-CG-OD1
2	eH	72	MEN	CA-CB-CG-OD1
2	kH	72	MEN	CA-CB-CG-OD1
2	mH	72	MEN	CA-CB-CG-OD1
2	PA	72	MEN	CA-CB-CG-ND2
2	ZA	72	MEN	CA-CB-CG-ND2
9	DB	72	MEN	CA-CB-CG-ND2
2	RB	72	MEN	CA-CB-CG-ND2
9	DC	72	MEN	CA-CB-CG-ND2
9	FC	72	MEN	CA-CB-CG-ND2
9	NC	72	MEN	CA-CB-CG-ND2
2	TC	72	MEN	CA-CB-CG-ND2
9	DD	72	MEN	CA-CB-CG-ND2
9	DE	72	MEN	CA-CB-CG-ND2
9	NE	72	MEN	CA-CB-CG-ND2
2	FF	72	MEN	CA-CB-CG-ND2
2	JF	72	MEN	CA-CB-CG-ND2
2	NF	72	MEN	CA-CB-CG-ND2
2	ZF	72	MEN	CA-CB-CG-ND2
2	FG	72	MEN	CA-CB-CG-ND2
2	JG	72	MEN	CA-CB-CG-ND2
2	QG	72	MEN	CA-CB-CG-ND2
2	UG	72	MEN	CA-CB-CG-ND2
2	WG	72	MEN	CA-CB-CG-ND2
2	HH	72	MEN	CA-CB-CG-ND2
2	NH	72	MEN	CA-CB-CG-ND2
2	RH	72	MEN	CA-CB-CG-ND2
2	BI	72	MEN	CA-CB-CG-ND2
2	DI	72	MEN	CA-CB-CG-ND2
2	FI	72	MEN	CA-CB-CG-ND2

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Mol	Chain	Res	Type	Atoms
2	HI	72	MEN	CA-CB-CG-ND2
2	QI	72	MEN	CA-CB-CG-ND2
2	SI	72	MEN	CA-CB-CG-ND2
2	UI	72	MEN	CA-CB-CG-ND2
2	WI	72	MEN	CA-CB-CG-ND2
2	EJ	72	MEN	CA-CB-CG-ND2
2	GJ	72	MEN	CA-CB-CG-ND2
2	KJ	72	MEN	CA-CB-CG-ND2
2	UJ	72	MEN	CA-CB-CG-ND2
2	WJ	72	MEN	CA-CB-CG-ND2
2	BK	72	MEN	CA-CB-CG-ND2
2	HK	72	MEN	CA-CB-CG-ND2
2	RK	72	MEN	CA-CB-CG-ND2
2	VK	72	MEN	CA-CB-CG-ND2
2	XK	72	MEN	CA-CB-CG-ND2
2	B1	72	MEN	CA-CB-CG-ND2
2	H1	72	MEN	CA-CB-CG-ND2
2	R1	72	MEN	CA-CB-CG-ND2
2	V1	72	MEN	CA-CB-CG-ND2
2	X1	72	MEN	CA-CB-CG-ND2
9	N2	72	MEN	CA-CB-CG-ND2
2	T2	72	MEN	CA-CB-CG-ND2
9	D2	72	MEN	CA-CB-CG-ND2
9	F2	72	MEN	CA-CB-CG-ND2
2	Y2	72	MEN	CA-CB-CG-ND2
2	m2	72	MEN	CA-CB-CG-ND2
2	c2	72	MEN	CA-CB-CG-ND2
2	D4	72	MEN	CA-CB-CG-ND2
2	F4	72	MEN	CA-CB-CG-ND2
2	L4	72	MEN	CA-CB-CG-ND2
2	R4	72	MEN	CA-CB-CG-ND2
2	V4	72	MEN	CA-CB-CG-ND2
2	Z4	72	MEN	CA-CB-CG-ND2
2	e4	72	MEN	CA-CB-CG-ND2
2	U5	72	MEN	CA-CB-CG-ND2
2	E5	72	MEN	CA-CB-CG-ND2
2	G5	72	MEN	CA-CB-CG-ND2
2	K5	72	MEN	CA-CB-CG-ND2
2	W5	72	MEN	CA-CB-CG-ND2
9	D6	72	MEN	CA-CB-CG-ND2
2	R6	72	MEN	CA-CB-CG-ND2
2	i6	72	MEN	CA-CB-CG-ND2

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Mol	Chain	Res	Type	Atoms
2	c6	72	MEN	CA-CB-CG-ND2
2	B7	72	MEN	CA-CB-CG-ND2
2	D7	72	MEN	CA-CB-CG-ND2
2	F7	72	MEN	CA-CB-CG-ND2
2	H7	72	MEN	CA-CB-CG-ND2
2	J7	72	MEN	CA-CB-CG-ND2
2	L7	72	MEN	CA-CB-CG-ND2
2	P7	72	MEN	CA-CB-CG-ND2
2	T7	72	MEN	CA-CB-CG-ND2
2	V7	72	MEN	CA-CB-CG-ND2
2	X7	72	MEN	CA-CB-CG-ND2
2	Z8	72	MEN	CA-CB-CG-ND2
2	F8	72	MEN	CA-CB-CG-ND2
2	J8	72	MEN	CA-CB-CG-ND2
2	N8	72	MEN	CA-CB-CG-ND2
2	d8	72	MEN	CA-CB-CG-ND2
2	f8	72	MEN	CA-CB-CG-ND2
2	l8	72	MEN	CA-CB-CG-ND2
2	L9	72	MEN	CA-CB-CG-ND2
2	Q9	72	MEN	CA-CB-CG-ND2
2	U9	72	MEN	CA-CB-CG-ND2
2	Y9	72	MEN	CA-CB-CG-ND2
2	iB	72	MEN	CA-CB-CG-ND2
2	cB	72	MEN	CA-CB-CG-ND2
2	mC	72	MEN	CA-CB-CG-ND2
2	cC	72	MEN	CA-CB-CG-ND2
2	gD	72	MEN	CA-CB-CG-ND2
2	mD	72	MEN	CA-CB-CG-ND2
2	gE	72	MEN	CA-CB-CG-ND2
2	mE	72	MEN	CA-CB-CG-ND2
2	bF	72	MEN	CA-CB-CG-ND2
2	dF	72	MEN	CA-CB-CG-ND2
2	fF	72	MEN	CA-CB-CG-ND2
2	lF	72	MEN	CA-CB-CG-ND2
2	cH	72	MEN	CA-CB-CG-ND2
2	eH	72	MEN	CA-CB-CG-ND2
2	kH	72	MEN	CA-CB-CG-ND2
2	RA	72	MEN	N-CA-CB-CG
9	HD	72	MEN	N-CA-CB-CG
2	HK	72	MEN	N-CA-CB-CG
2	H1	72	MEN	N-CA-CB-CG
2	m2	72	MEN	N-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
20	B3	71	MEN	N-CA-CB-CG
20	D3	71	MEN	N-CA-CB-CG
20	F3	71	MEN	N-CA-CB-CG
20	H3	71	MEN	N-CA-CB-CG
20	I3	71	MEN	N-CA-CB-CG
20	L3	71	MEN	N-CA-CB-CG
20	M3	71	MEN	N-CA-CB-CG
20	d3	71	MEN	N-CA-CB-CG
20	f3	71	MEN	N-CA-CB-CG
20	h3	71	MEN	N-CA-CB-CG
20	j3	71	MEN	N-CA-CB-CG
20	k3	71	MEN	N-CA-CB-CG
20	n3	71	MEN	N-CA-CB-CG
20	o3	71	MEN	N-CA-CB-CG
2	R4	72	MEN	N-CA-CB-CG
2	j8	72	MEN	N-CA-CB-CG
2	bA	72	MEN	N-CA-CB-CG
2	mC	72	MEN	N-CA-CB-CG
2	jF	72	MEN	N-CA-CB-CG
2	VB	72	MEN	CA-CB-CG-OD1
2	TC	72	MEN	CA-CB-CG-OD1
2	YC	72	MEN	CA-CB-CG-OD1
9	DD	72	MEN	CA-CB-CG-OD1
9	JD	72	MEN	CA-CB-CG-OD1
2	YD	72	MEN	CA-CB-CG-OD1
9	DE	72	MEN	CA-CB-CG-OD1
9	JE	72	MEN	CA-CB-CG-OD1
9	NE	72	MEN	CA-CB-CG-OD1
2	YE	72	MEN	CA-CB-CG-OD1
2	FF	72	MEN	CA-CB-CG-OD1
2	HF	72	MEN	CA-CB-CG-OD1
2	PF	72	MEN	CA-CB-CG-OD1
2	ZF	72	MEN	CA-CB-CG-OD1
2	DG	72	MEN	CA-CB-CG-OD1
2	JG	72	MEN	CA-CB-CG-OD1
2	UG	72	MEN	CA-CB-CG-OD1
2	WG	72	MEN	CA-CB-CG-OD1
2	HH	72	MEN	CA-CB-CG-OD1
2	NH	72	MEN	CA-CB-CG-OD1
2	RH	72	MEN	CA-CB-CG-OD1
2	VH	72	MEN	CA-CB-CG-OD1
2	XH	72	MEN	CA-CB-CG-OD1

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Mol	Chain	Res	Type	Atoms
2	ZH	72	MEN	CA-CB-CG-OD1
2	BI	72	MEN	CA-CB-CG-OD1
2	DI	72	MEN	CA-CB-CG-OD1
2	LI	72	MEN	CA-CB-CG-OD1
2	QI	72	MEN	CA-CB-CG-OD1
2	UI	72	MEN	CA-CB-CG-OD1
2	WI	72	MEN	CA-CB-CG-OD1
2	EJ	72	MEN	CA-CB-CG-OD1
2	KJ	72	MEN	CA-CB-CG-OD1
2	UJ	72	MEN	CA-CB-CG-OD1
2	BK	72	MEN	CA-CB-CG-OD1
2	HK	72	MEN	CA-CB-CG-OD1
2	VK	72	MEN	CA-CB-CG-OD1
2	B1	72	MEN	CA-CB-CG-OD1
2	H1	72	MEN	CA-CB-CG-OD1
2	V1	72	MEN	CA-CB-CG-OD1
2	T2	72	MEN	CA-CB-CG-OD1
2	Y2	72	MEN	CA-CB-CG-OD1
2	m2	72	MEN	CA-CB-CG-OD1
2	a2	72	MEN	CA-CB-CG-OD1
2	c2	72	MEN	CA-CB-CG-OD1
2	D4	72	MEN	CA-CB-CG-OD1
2	R4	72	MEN	CA-CB-CG-OD1
2	Z4	72	MEN	CA-CB-CG-OD1
2	U5	72	MEN	CA-CB-CG-OD1
2	E5	72	MEN	CA-CB-CG-OD1
2	K5	72	MEN	CA-CB-CG-OD1
2	V6	72	MEN	CA-CB-CG-OD1
2	i6	72	MEN	CA-CB-CG-OD1
2	a6	72	MEN	CA-CB-CG-OD1
2	c6	72	MEN	CA-CB-CG-OD1
2	g6	72	MEN	CA-CB-CG-OD1
2	D7	72	MEN	CA-CB-CG-OD1
2	H7	72	MEN	CA-CB-CG-OD1
2	J7	72	MEN	CA-CB-CG-OD1
2	L7	72	MEN	CA-CB-CG-OD1
2	P7	72	MEN	CA-CB-CG-OD1
2	T7	72	MEN	CA-CB-CG-OD1
2	X7	72	MEN	CA-CB-CG-OD1
2	Z8	72	MEN	CA-CB-CG-OD1
2	F8	72	MEN	CA-CB-CG-OD1
2	H8	72	MEN	CA-CB-CG-OD1

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Mol	Chain	Res	Type	Atoms
2	L8	72	MEN	CA-CB-CG-OD1
2	P8	72	MEN	CA-CB-CG-OD1
2	f8	72	MEN	CA-CB-CG-OD1
2	j8	72	MEN	CA-CB-CG-OD1
2	p8	72	MEN	CA-CB-CG-OD1
2	Q9	72	MEN	CA-CB-CG-OD1
2	U9	72	MEN	CA-CB-CG-OD1
2	iB	72	MEN	CA-CB-CG-OD1
2	aB	72	MEN	CA-CB-CG-OD1
2	cB	72	MEN	CA-CB-CG-OD1
2	gB	72	MEN	CA-CB-CG-OD1
2	mC	72	MEN	CA-CB-CG-OD1
2	aC	72	MEN	CA-CB-CG-OD1
2	cC	72	MEN	CA-CB-CG-OD1
2	cD	72	MEN	CA-CB-CG-OD1
2	gD	72	MEN	CA-CB-CG-OD1
2	kD	72	MEN	CA-CB-CG-OD1
2	mD	72	MEN	CA-CB-CG-OD1
2	cE	72	MEN	CA-CB-CG-OD1
2	gE	72	MEN	CA-CB-CG-OD1
2	kE	72	MEN	CA-CB-CG-OD1
2	mE	72	MEN	CA-CB-CG-OD1
2	fF	72	MEN	CA-CB-CG-OD1
2	jF	72	MEN	CA-CB-CG-OD1
2	pF	72	MEN	CA-CB-CG-OD1
2	cH	72	MEN	CA-CB-CG-OD1
9	HB	72	MEN	CA-CB-CG-ND2
9	JB	72	MEN	CA-CB-CG-ND2
9	HC	72	MEN	CA-CB-CG-ND2
2	YC	72	MEN	CA-CB-CG-ND2
9	LD	72	MEN	CA-CB-CG-ND2
2	PD	72	MEN	CA-CB-CG-ND2
2	TD	72	MEN	CA-CB-CG-ND2
2	YD	72	MEN	CA-CB-CG-ND2
9	LE	72	MEN	CA-CB-CG-ND2
2	PE	72	MEN	CA-CB-CG-ND2
2	TE	72	MEN	CA-CB-CG-ND2
2	YE	72	MEN	CA-CB-CG-ND2
2	BF	72	MEN	CA-CB-CG-ND2
2	LF	72	MEN	CA-CB-CG-ND2
2	RF	72	MEN	CA-CB-CG-ND2
2	VF	72	MEN	CA-CB-CG-ND2

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Mol	Chain	Res	Type	Atoms
2	HG	72	MEN	CA-CB-CG-ND2
2	SG	72	MEN	CA-CB-CG-ND2
2	VH	72	MEN	CA-CB-CG-ND2
2	XH	72	MEN	CA-CB-CG-ND2
2	JI	72	MEN	CA-CB-CG-ND2
2	LI	72	MEN	CA-CB-CG-ND2
2	YI	72	MEN	CA-CB-CG-ND2
2	LK	72	MEN	CA-CB-CG-ND2
9	H2	72	MEN	CA-CB-CG-ND2
2	a2	72	MEN	CA-CB-CG-ND2
9	H6	72	MEN	CA-CB-CG-ND2
9	J6	72	MEN	CA-CB-CG-ND2
2	N7	72	MEN	CA-CB-CG-ND2
2	R7	72	MEN	CA-CB-CG-ND2
2	V8	72	MEN	CA-CB-CG-ND2
2	B8	72	MEN	CA-CB-CG-ND2
2	L8	72	MEN	CA-CB-CG-ND2
2	R8	72	MEN	CA-CB-CG-ND2
2	b8	72	MEN	CA-CB-CG-ND2
2	h8	72	MEN	CA-CB-CG-ND2
2	p8	72	MEN	CA-CB-CG-ND2
2	aC	72	MEN	CA-CB-CG-ND2
2	kD	72	MEN	CA-CB-CG-ND2
2	kE	72	MEN	CA-CB-CG-ND2
2	hF	72	MEN	CA-CB-CG-ND2
2	pF	72	MEN	CA-CB-CG-ND2
2	DA	72	MEN	C-CA-CB-CG
2	LA	72	MEN	C-CA-CB-CG
2	RA	72	MEN	C-CA-CB-CG
2	YA	72	MEN	C-CA-CB-CG
9	LB	72	MEN	C-CA-CB-CG
9	NB	72	MEN	C-CA-CB-CG
2	VC	72	MEN	C-CA-CB-CG
2	YC	72	MEN	C-CA-CB-CG
9	ND	72	MEN	C-CA-CB-CG
2	VD	72	MEN	C-CA-CB-CG
9	NE	72	MEN	C-CA-CB-CG
2	VE	72	MEN	C-CA-CB-CG
2	VF	72	MEN	C-CA-CB-CG
2	PH	72	MEN	C-CA-CB-CG
2	RH	72	MEN	C-CA-CB-CG
2	IJ	72	MEN	C-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	SJ	72	MEN	C-CA-CB-CG
2	YJ	72	MEN	C-CA-CB-CG
2	BK	72	MEN	C-CA-CB-CG
2	HK	72	MEN	C-CA-CB-CG
2	XK	72	MEN	C-CA-CB-CG
2	B1	72	MEN	C-CA-CB-CG
2	H1	72	MEN	C-CA-CB-CG
2	X1	72	MEN	C-CA-CB-CG
2	V2	72	MEN	C-CA-CB-CG
2	Y2	72	MEN	C-CA-CB-CG
2	k2	72	MEN	C-CA-CB-CG
2	a2	72	MEN	C-CA-CB-CG
20	O3	71	MEN	C-CA-CB-CG
20	Q3	71	MEN	C-CA-CB-CG
20	S3	71	MEN	C-CA-CB-CG
20	U3	71	MEN	C-CA-CB-CG
20	s3	71	MEN	C-CA-CB-CG
20	u3	71	MEN	C-CA-CB-CG
20	w3	71	MEN	C-CA-CB-CG
2	H4	72	MEN	C-CA-CB-CG
2	P4	72	MEN	C-CA-CB-CG
2	c4	72	MEN	C-CA-CB-CG
2	S5	72	MEN	C-CA-CB-CG
2	I5	72	MEN	C-CA-CB-CG
2	Y5	72	MEN	C-CA-CB-CG
9	L6	72	MEN	C-CA-CB-CG
2	e6	72	MEN	C-CA-CB-CG
2	R7	72	MEN	C-CA-CB-CG
2	V8	72	MEN	C-CA-CB-CG
2	l8	72	MEN	C-CA-CB-CG
2	D9	72	MEN	C-CA-CB-CG
2	J9	72	MEN	C-CA-CB-CG
2	U9	72	MEN	C-CA-CB-CG
2	eB	72	MEN	C-CA-CB-CG
2	kC	72	MEN	C-CA-CB-CG
2	aC	72	MEN	C-CA-CB-CG
2	gD	72	MEN	C-CA-CB-CG
2	iD	72	MEN	C-CA-CB-CG
2	gE	72	MEN	C-CA-CB-CG
2	iE	72	MEN	C-CA-CB-CG
2	lF	72	MEN	C-CA-CB-CG
2	cH	72	MEN	C-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	ZA	72	MEN	CA-CB-CG-OD1
9	HE	72	MEN	CA-CB-CG-OD1
2	VF	72	MEN	CA-CB-CG-OD1
2	LH	72	MEN	CA-CB-CG-OD1
2	OI	72	MEN	CA-CB-CG-OD1
2	QJ	72	MEN	CA-CB-CG-OD1
2	WJ	72	MEN	CA-CB-CG-OD1
2	DK	72	MEN	CA-CB-CG-OD1
2	D1	72	MEN	CA-CB-CG-OD1
2	X1	72	MEN	CA-CB-CG-OD1
2	e4	72	MEN	CA-CB-CG-OD1
2	Q5	72	MEN	CA-CB-CG-OD1
2	W5	72	MEN	CA-CB-CG-OD1
2	e6	72	MEN	CA-CB-CG-OD1
2	F7	72	MEN	CA-CB-CG-OD1
2	V7	72	MEN	CA-CB-CG-OD1
2	V8	72	MEN	CA-CB-CG-OD1
2	l8	72	MEN	CA-CB-CG-OD1
2	B9	72	MEN	CA-CB-CG-OD1
2	Y9	72	MEN	CA-CB-CG-OD1
2	eB	72	MEN	CA-CB-CG-OD1
2	lF	72	MEN	CA-CB-CG-OD1
2	GA	72	MEN	CA-CB-CG-ND2
9	LB	72	MEN	CA-CB-CG-ND2
2	PB	72	MEN	CA-CB-CG-ND2
2	VB	72	MEN	CA-CB-CG-ND2
2	YB	72	MEN	CA-CB-CG-ND2
9	HD	72	MEN	CA-CB-CG-ND2
9	JD	72	MEN	CA-CB-CG-ND2
9	HE	72	MEN	CA-CB-CG-ND2
9	JE	72	MEN	CA-CB-CG-ND2
2	DF	72	MEN	CA-CB-CG-ND2
2	HF	72	MEN	CA-CB-CG-ND2
2	PF	72	MEN	CA-CB-CG-ND2
2	TF	72	MEN	CA-CB-CG-ND2
2	XF	72	MEN	CA-CB-CG-ND2
2	BG	72	MEN	CA-CB-CG-ND2
2	DG	72	MEN	CA-CB-CG-ND2
2	OG	72	MEN	CA-CB-CG-ND2
2	FH	72	MEN	CA-CB-CG-ND2
2	LH	72	MEN	CA-CB-CG-ND2
2	ZH	72	MEN	CA-CB-CG-ND2

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Mol	Chain	Res	Type	Atoms
2	OI	72	MEN	CA-CB-CG-ND2
2	IJ	72	MEN	CA-CB-CG-ND2
2	QJ	72	MEN	CA-CB-CG-ND2
2	DK	72	MEN	CA-CB-CG-ND2
2	NK	72	MEN	CA-CB-CG-ND2
2	D1	72	MEN	CA-CB-CG-ND2
2	L1	72	MEN	CA-CB-CG-ND2
2	N1	72	MEN	CA-CB-CG-ND2
2	i2	72	MEN	CA-CB-CG-ND2
20	Q3	71	MEN	CA-CB-CG-ND2
20	S3	71	MEN	CA-CB-CG-ND2
20	U3	71	MEN	CA-CB-CG-ND2
20	s3	71	MEN	CA-CB-CG-ND2
20	u3	71	MEN	CA-CB-CG-ND2
20	w3	71	MEN	CA-CB-CG-ND2
2	Q5	72	MEN	CA-CB-CG-ND2
2	C5	72	MEN	CA-CB-CG-ND2
2	I5	72	MEN	CA-CB-CG-ND2
9	L6	72	MEN	CA-CB-CG-ND2
2	P6	72	MEN	CA-CB-CG-ND2
2	V6	72	MEN	CA-CB-CG-ND2
2	Y6	72	MEN	CA-CB-CG-ND2
2	a6	72	MEN	CA-CB-CG-ND2
2	e6	72	MEN	CA-CB-CG-ND2
2	g6	72	MEN	CA-CB-CG-ND2
2	X8	72	MEN	CA-CB-CG-ND2
2	D8	72	MEN	CA-CB-CG-ND2
2	H8	72	MEN	CA-CB-CG-ND2
2	P8	72	MEN	CA-CB-CG-ND2
2	T8	72	MEN	CA-CB-CG-ND2
2	j8	72	MEN	CA-CB-CG-ND2
2	B9	72	MEN	CA-CB-CG-ND2
2	aA	72	MEN	CA-CB-CG-ND2
2	gA	72	MEN	CA-CB-CG-ND2
2	aB	72	MEN	CA-CB-CG-ND2
2	eB	72	MEN	CA-CB-CG-ND2
2	gB	72	MEN	CA-CB-CG-ND2
2	iC	72	MEN	CA-CB-CG-ND2
2	cD	72	MEN	CA-CB-CG-ND2
2	cE	72	MEN	CA-CB-CG-ND2
2	jF	72	MEN	CA-CB-CG-ND2
9	LB	72	MEN	N-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	PB	72	MEN	N-CA-CB-CG
2	RB	72	MEN	N-CA-CB-CG
9	LD	72	MEN	N-CA-CB-CG
2	VD	72	MEN	N-CA-CB-CG
2	YD	72	MEN	N-CA-CB-CG
9	LE	72	MEN	N-CA-CB-CG
9	NE	72	MEN	N-CA-CB-CG
2	VE	72	MEN	N-CA-CB-CG
2	YE	72	MEN	N-CA-CB-CG
2	PH	72	MEN	N-CA-CB-CG
2	LK	72	MEN	N-CA-CB-CG
2	NK	72	MEN	N-CA-CB-CG
2	L1	72	MEN	N-CA-CB-CG
2	N1	72	MEN	N-CA-CB-CG
9	L6	72	MEN	N-CA-CB-CG
2	P6	72	MEN	N-CA-CB-CG
2	R6	72	MEN	N-CA-CB-CG
2	m6	72	MEN	N-CA-CB-CG
2	e6	72	MEN	N-CA-CB-CG
2	F7	72	MEN	N-CA-CB-CG
2	D9	72	MEN	N-CA-CB-CG
2	mB	72	MEN	N-CA-CB-CG
2	eB	72	MEN	N-CA-CB-CG
2	gD	72	MEN	N-CA-CB-CG
2	gE	72	MEN	N-CA-CB-CG
2	gH	72	MEN	N-CA-CB-CG
2	GA	72	MEN	CA-CB-CG-OD1
9	JB	72	MEN	CA-CB-CG-OD1
9	LB	72	MEN	CA-CB-CG-OD1
2	YB	72	MEN	CA-CB-CG-OD1
9	HD	72	MEN	CA-CB-CG-OD1
2	DF	72	MEN	CA-CB-CG-OD1
2	TF	72	MEN	CA-CB-CG-OD1
2	IJ	72	MEN	CA-CB-CG-OD1
2	NK	72	MEN	CA-CB-CG-OD1
2	XK	72	MEN	CA-CB-CG-OD1
2	N1	72	MEN	CA-CB-CG-OD1
2	i2	72	MEN	CA-CB-CG-OD1
2	I5	72	MEN	CA-CB-CG-OD1
9	J6	72	MEN	CA-CB-CG-OD1
9	L6	72	MEN	CA-CB-CG-OD1
2	Y6	72	MEN	CA-CB-CG-OD1

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Mol	Chain	Res	Type	Atoms
2	N7	72	MEN	CA-CB-CG-OD1
2	D8	72	MEN	CA-CB-CG-OD1
2	T8	72	MEN	CA-CB-CG-OD1
2	h8	72	MEN	CA-CB-CG-OD1
2	aA	72	MEN	CA-CB-CG-OD1
2	iC	72	MEN	CA-CB-CG-OD1
2	hF	72	MEN	CA-CB-CG-OD1
2	CJ	72	MEN	CA-CB-CG-ND2
2	PB	72	MEN	CA-CB-CG-OD1
9	HC	72	MEN	CA-CB-CG-OD1
2	CJ	72	MEN	CA-CB-CG-OD1
2	LK	72	MEN	CA-CB-CG-OD1
2	L1	72	MEN	CA-CB-CG-OD1
9	H2	72	MEN	CA-CB-CG-OD1
2	C5	72	MEN	CA-CB-CG-OD1
2	P6	72	MEN	CA-CB-CG-OD1
9	FB	72	MEN	N-CA-CB-CG
2	TB	72	MEN	N-CA-CB-CG
2	YC	72	MEN	N-CA-CB-CG
9	FD	72	MEN	N-CA-CB-CG
2	TD	72	MEN	N-CA-CB-CG
9	FE	72	MEN	N-CA-CB-CG
2	TE	72	MEN	N-CA-CB-CG
2	VF	72	MEN	N-CA-CB-CG
2	BI	72	MEN	N-CA-CB-CG
2	EJ	72	MEN	N-CA-CB-CG
2	IJ	72	MEN	N-CA-CB-CG
2	UJ	72	MEN	N-CA-CB-CG
2	XK	72	MEN	N-CA-CB-CG
2	X1	72	MEN	N-CA-CB-CG
2	Y2	72	MEN	N-CA-CB-CG
2	k2	72	MEN	N-CA-CB-CG
2	P4	72	MEN	N-CA-CB-CG
2	U5	72	MEN	N-CA-CB-CG
2	E5	72	MEN	N-CA-CB-CG
2	I5	72	MEN	N-CA-CB-CG
9	F6	72	MEN	N-CA-CB-CG
2	T6	72	MEN	N-CA-CB-CG
2	a6	72	MEN	N-CA-CB-CG
2	R7	72	MEN	N-CA-CB-CG
2	V8	72	MEN	N-CA-CB-CG
2	n8	72	MEN	N-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	aB	72	MEN	N-CA-CB-CG
2	kC	72	MEN	N-CA-CB-CG
2	iD	72	MEN	N-CA-CB-CG
2	iE	72	MEN	N-CA-CB-CG
2	nF	72	MEN	N-CA-CB-CG
2	iH	72	MEN	CA-CB-CG-OD1
2	RA	72	MEN	CA-CB-CG-OD1
2	LG	72	MEN	CA-CB-CG-OD1
2	JK	72	MEN	CA-CB-CG-OD1
2	J1	72	MEN	CA-CB-CG-OD1
2	e2	72	MEN	CA-CB-CG-OD1
2	i4	72	MEN	CA-CB-CG-OD1
2	n8	72	MEN	CA-CB-CG-OD1
2	eC	72	MEN	CA-CB-CG-OD1
2	nF	72	MEN	CA-CB-CG-OD1
9	FB	72	MEN	CA-CB-CG-ND2
2	TH	72	MEN	CA-CB-CG-ND2
9	F6	72	MEN	CA-CB-CG-ND2
2	eD	72	MEN	CA-CB-CG-ND2
2	eE	72	MEN	CA-CB-CG-ND2
2	PD	72	MEN	N-CA-CB-CG
2	PE	72	MEN	N-CA-CB-CG
2	JH	72	MEN	N-CA-CB-CG
2	JH	72	MEN	C-CA-CB-CG
2	BI	72	MEN	C-CA-CB-CG
2	m2	72	MEN	C-CA-CB-CG
20	B3	71	MEN	C-CA-CB-CG
20	D3	71	MEN	C-CA-CB-CG
20	F3	71	MEN	C-CA-CB-CG
20	H3	71	MEN	C-CA-CB-CG
20	I3	71	MEN	C-CA-CB-CG
20	L3	71	MEN	C-CA-CB-CG
20	M3	71	MEN	C-CA-CB-CG
20	d3	71	MEN	C-CA-CB-CG
20	f3	71	MEN	C-CA-CB-CG
20	h3	71	MEN	C-CA-CB-CG
20	j3	71	MEN	C-CA-CB-CG
20	k3	71	MEN	C-CA-CB-CG
20	n3	71	MEN	C-CA-CB-CG
20	o3	71	MEN	C-CA-CB-CG
2	bA	72	MEN	C-CA-CB-CG
2	mC	72	MEN	C-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
2	mD	72	MEN	C-CA-CB-CG
2	mE	72	MEN	C-CA-CB-CG
2	gH	72	MEN	C-CA-CB-CG
2	eA	72	MEN	OD1-CG-ND2-CE2
2	BA	72	MEN	CA-CB-CG-OD1
2	FA	72	MEN	CA-CB-CG-OD1
2	IA	72	MEN	CA-CB-CG-OD1
2	QA	72	MEN	CA-CB-CG-OD1
9	FB	72	MEN	CA-CB-CG-OD1
9	JC	72	MEN	CA-CB-CG-OD1
9	FD	72	MEN	CA-CB-CG-OD1
2	RD	72	MEN	CA-CB-CG-OD1
9	FE	72	MEN	CA-CB-CG-OD1
2	RE	72	MEN	CA-CB-CG-OD1
2	YG	72	MEN	CA-CB-CG-OD1
2	DH	72	MEN	CA-CB-CG-OD1
2	JH	72	MEN	CA-CB-CG-OD1
2	TH	72	MEN	CA-CB-CG-OD1
2	TK	72	MEN	CA-CB-CG-OD1
2	T1	72	MEN	CA-CB-CG-OD1
9	J2	72	MEN	CA-CB-CG-OD1
2	H4	72	MEN	CA-CB-CG-OD1
2	N4	72	MEN	CA-CB-CG-OD1
2	X4	72	MEN	CA-CB-CG-OD1
9	F6	72	MEN	CA-CB-CG-OD1
2	v8	72	MEN	CA-CB-CG-OD1
2	eD	72	MEN	CA-CB-CG-OD1
2	iD	72	MEN	CA-CB-CG-OD1
2	eE	72	MEN	CA-CB-CG-OD1
2	iE	72	MEN	CA-CB-CG-OD1
2	vF	72	MEN	CA-CB-CG-OD1
2	RA	72	MEN	CA-CB-CG-ND2
2	SA	72	MEN	CA-CB-CG-ND2
9	FD	72	MEN	CA-CB-CG-ND2
9	FE	72	MEN	CA-CB-CG-ND2
2	LG	72	MEN	CA-CB-CG-ND2
2	TK	72	MEN	CA-CB-CG-ND2
2	T1	72	MEN	CA-CB-CG-ND2
2	e2	72	MEN	CA-CB-CG-ND2
2	eC	72	MEN	CA-CB-CG-ND2
2	iH	72	MEN	CA-CB-CG-ND2

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

1602 ligands are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	OE	202	3	43,46,46	3.35	10 (23%)	45,67,67	2.05	14 (31%)
33	CYC	DC	1001	9	42,46,46	3.36	15 (35%)	50,67,67	2.85	18 (36%)
31	PEB	Y1	303	6	43,46,46	3.39	10 (23%)	45,67,67	2.74	18 (40%)
31	PEB	c2	202	2	43,46,46	3.44	10 (23%)	45,67,67	2.33	16 (35%)
31	PEB	A5	301	31,6	43,46,46	3.49	10 (23%)	45,67,67	2.66	15 (33%)
31	PEB	Q1	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.65	16 (35%)
31	PEB	k4	202	2	43,46,46	3.37	11 (25%)	45,67,67	2.50	15 (33%)
31	PEB	H1	201	2	43,46,46	3.56	11 (25%)	45,67,67	2.14	14 (31%)
31	PEB	U4	201	2,3	43,46,46	3.27	11 (25%)	45,67,67	2.49	14 (31%)
31	PEB	q8	201	2,3	43,46,46	3.41	12 (27%)	45,67,67	2.68	17 (37%)
31	PEB	C5	202	2,6	43,46,46	3.15	11 (25%)	45,67,67	2.23	18 (40%)
31	PEB	XJ	202	3	43,46,46	3.57	12 (27%)	45,67,67	1.92	14 (31%)
31	PEB	K7	201	2,3	43,46,46	3.36	11 (25%)	45,67,67	2.49	15 (33%)
31	PEB	Y7	501	2	43,46,46	3.32	10 (23%)	45,67,67	2.15	15 (33%)
31	PEB	V1	201	2,15	43,46,46	3.37	10 (23%)	45,67,67	2.12	13 (28%)
31	PEB	B5	203	2,3	43,46,46	2.94	9 (20%)	45,67,67	2.38	14 (31%)
31	PEB	GF	202	3	43,46,46	2.64	11 (25%)	45,67,67	3.01	20 (44%)
31	PEB	R6	203	2	43,46,46	3.44	10 (23%)	45,67,67	1.98	11 (24%)
31	PEB	JA	201	3	43,46,46	3.37	11 (25%)	45,67,67	2.76	16 (35%)
31	PEB	QK	202	3	43,46,46	3.20	10 (23%)	45,67,67	1.98	13 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	Y7	503	2,27	43,46,46	3.20	10 (23%)	45,67,67	2.00	14 (31%)
31	PEB	kF	201	3	43,46,46	3.40	10 (23%)	45,67,67	2.06	12 (26%)
31	PEB	AF	202	3	43,46,46	3.52	12 (27%)	45,67,67	1.91	12 (26%)
31	PEB	RI	202	3	43,46,46	3.59	11 (25%)	45,67,67	2.66	17 (37%)
31	PEB	HG	202	2	43,46,46	3.31	10 (23%)	45,67,67	2.10	13 (28%)
31	PEB	YK	303	6	43,46,46	3.41	10 (23%)	45,67,67	2.74	18 (40%)
31	PEB	M1	201	3	43,46,46	3.27	11 (25%)	45,67,67	2.42	14 (31%)
31	PEB	YD	201	2	43,46,46	3.10	11 (25%)	45,67,67	2.60	20 (44%)
33	CYC	k3	1001	20	42,46,46	3.43	14 (33%)	50,67,67	3.16	21 (42%)
31	PEB	GJ	202	2	43,46,46	3.42	9 (20%)	45,67,67	2.10	17 (37%)
31	PEB	TA	202	3	43,46,46	3.22	10 (23%)	45,67,67	2.33	16 (35%)
31	PEB	fD	203	2,3	43,46,46	3.41	11 (25%)	45,67,67	2.18	13 (28%)
31	PEB	JK	202	2	43,46,46	3.25	10 (23%)	45,67,67	2.75	16 (35%)
31	PEB	dC	201	2,3	43,46,46	3.26	10 (23%)	45,67,67	2.35	15 (33%)
31	PEB	lC	202	3	43,46,46	3.50	11 (25%)	45,67,67	2.76	15 (33%)
31	PEB	l8	202	2	43,46,46	3.43	11 (25%)	45,67,67	2.11	16 (35%)
31	PEB	J1	201	2,6	43,46,46	3.29	9 (20%)	45,67,67	2.44	13 (28%)
31	PEB	WH	203	2,3	43,46,46	3.14	10 (23%)	45,67,67	2.69	19 (42%)
31	PEB	b2	201	3	43,46,46	3.36	11 (25%)	45,67,67	2.04	15 (33%)
31	PEB	RC	202	2	43,46,46	3.52	11 (25%)	45,67,67	1.74	11 (24%)
31	PEB	QB	201	3	43,46,46	3.31	11 (25%)	45,67,67	2.70	20 (44%)
31	PEB	VF	202	2	43,46,46	3.45	10 (23%)	45,67,67	2.65	18 (40%)
31	PEB	I1	202	3	43,46,46	3.44	11 (25%)	45,67,67	1.87	12 (26%)
31	PEB	C8	201	3	43,46,46	3.36	10 (23%)	45,67,67	2.27	14 (31%)
31	PEB	Z9	302	14	43,46,46	3.12	11 (25%)	45,67,67	2.41	14 (31%)
31	PEB	KJ	202	2	43,46,46	3.35	9 (20%)	45,67,67	2.16	15 (33%)
31	PEB	HA	203	2	43,46,46	3.18	10 (23%)	45,67,67	2.11	16 (35%)
31	PEB	fD	201	3	43,46,46	3.36	10 (23%)	45,67,67	2.12	17 (37%)
31	PEB	T4	201	2	43,46,46	3.30	11 (25%)	45,67,67	2.39	12 (26%)
31	PEB	HI	202	2	43,46,46	3.20	10 (23%)	45,67,67	2.30	13 (28%)
31	PEB	H8	201	2	43,46,46	3.14	13 (30%)	45,67,67	2.92	21 (46%)
31	PEB	bA	201	2	43,46,46	3.22	10 (23%)	45,67,67	2.16	15 (33%)
33	CYC	K3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	CG	202	3	43,46,46	3.21	10 (23%)	45,67,67	2.31	14 (31%)
32	PUB	KK	203	6,3	42,46,46	3.37	7 (16%)	37,67,67	3.58	17 (45%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	ZC	201	2,3	43,46,46	3.26	9 (20%)	45,67,67	3.15	17 (37%)
31	PEB	f8	202	2	43,46,46	3.62	12 (27%)	45,67,67	2.01	18 (40%)
31	PEB	iB	202	2	43,46,46	3.25	10 (23%)	45,67,67	2.32	14 (31%)
31	PEB	aE	202	2	43,46,46	3.37	11 (25%)	45,67,67	2.34	15 (33%)
31	PEB	PJ	203	3	43,46,46	3.39	9 (20%)	45,67,67	2.10	12 (26%)
31	PEB	GK	202	3	43,46,46	3.36	11 (25%)	45,67,67	1.98	15 (33%)
31	PEB	u8	202	3	43,46,46	3.43	11 (25%)	45,67,67	1.97	15 (33%)
31	PEB	wF	301	12	43,46,46	3.24	9 (20%)	45,67,67	2.30	15 (33%)
31	PEB	kH	202	2	43,46,46	3.35	10 (23%)	45,67,67	2.40	16 (35%)
31	PEB	S1	202	3	43,46,46	3.20	10 (23%)	45,67,67	1.95	12 (26%)
31	PEB	M8	201	3	43,46,46	3.27	10 (23%)	45,67,67	1.87	14 (31%)
31	PEB	VJ	202	3	43,46,46	3.53	11 (25%)	45,67,67	2.07	12 (26%)
32	PUB	y8	303	13	42,46,46	3.32	7 (16%)	37,67,67	3.10	13 (35%)
31	PEB	oF	202	3	43,46,46	3.51	9 (20%)	45,67,67	1.96	12 (26%)
31	PEB	YH	202	3	43,46,46	3.17	10 (23%)	45,67,67	2.20	15 (33%)
31	PEB	ZD	201	3	43,46,46	3.33	11 (25%)	45,67,67	2.15	16 (35%)
31	PEB	i2	201	2	43,46,46	3.34	12 (27%)	45,67,67	2.04	16 (35%)
31	PEB	VF	201	2	43,46,46	3.43	10 (23%)	45,67,67	2.55	15 (33%)
31	PEB	GA	202	2	43,46,46	3.26	10 (23%)	45,67,67	2.10	15 (33%)
31	PEB	M4	203	3	43,46,46	3.27	11 (25%)	45,67,67	2.22	16 (35%)
31	PEB	YF	202	3	43,46,46	3.42	11 (25%)	45,67,67	1.90	13 (28%)
31	PEB	QF	202	3	43,46,46	3.41	11 (25%)	45,67,67	1.94	13 (28%)
31	PEB	UH	201	2,3	43,46,46	3.17	10 (23%)	45,67,67	2.53	19 (42%)
31	PEB	FH	202	2	43,46,46	3.31	10 (23%)	45,67,67	2.44	16 (35%)
31	PEB	DG	202	2	43,46,46	3.27	9 (20%)	45,67,67	2.06	14 (31%)
31	PEB	Y2	202	2	43,46,46	3.46	10 (23%)	45,67,67	2.03	12 (26%)
33	CYC	r3	1001	19	42,46,46	3.69	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	P1	202	2	43,46,46	3.15	10 (23%)	45,67,67	2.63	16 (35%)
31	PEB	TJ	202	3	43,46,46	3.46	10 (23%)	45,67,67	2.04	15 (33%)
31	PEB	KF	201	2,3	43,46,46	3.12	10 (23%)	45,67,67	2.52	14 (31%)
31	PEB	Q2	203	3	43,46,46	3.28	11 (25%)	45,67,67	2.07	14 (31%)
31	PEB	YF	203	2,3	43,46,46	3.43	11 (25%)	45,67,67	2.69	17 (37%)
31	PEB	P8	202	2	43,46,46	3.60	11 (25%)	45,67,67	2.08	14 (31%)
31	PEB	R6	201	2,10	43,46,46	3.32	10 (23%)	45,67,67	2.38	14 (31%)
31	PEB	AE	304	6	43,46,46	3.30	9 (20%)	45,67,67	2.16	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	jE	201	3	43,46,46	3.43	12 (27%)	45,67,67	2.10	15 (33%)
31	PEB	DK	203	2	43,46,46	3.39	10 (23%)	45,67,67	1.99	16 (35%)
31	PEB	IJ	201	2	43,46,46	3.41	11 (25%)	45,67,67	2.32	15 (33%)
33	CYC	DD	1001	9	42,46,46	3.16	14 (33%)	50,67,67	3.00	21 (42%)
33	CYC	x3	1001	-	42,46,46	3.51	12 (28%)	50,67,67	2.97	23 (46%)
31	PEB	Y1	302	31,6	43,46,46	3.33	10 (23%)	45,67,67	3.21	18 (40%)
31	PEB	UB	202	3	43,46,46	3.30	10 (23%)	45,67,67	1.89	12 (26%)
31	PEB	E1	201	3	43,46,46	3.56	12 (27%)	45,67,67	2.31	14 (31%)
31	PEB	s8	202	3	43,46,46	3.45	10 (23%)	45,67,67	2.05	15 (33%)
31	PEB	kC	203	2,3	43,46,46	3.35	10 (23%)	45,67,67	2.26	16 (35%)
31	PEB	K4	202	3	43,46,46	3.28	11 (25%)	45,67,67	2.15	15 (33%)
31	PEB	KA	304	2,4	43,46,46	3.27	10 (23%)	45,67,67	2.12	14 (31%)
31	PEB	EI	201	3	43,46,46	3.38	9 (20%)	45,67,67	1.95	14 (31%)
31	PEB	eF	202	3	43,46,46	3.12	10 (23%)	45,67,67	2.25	20 (44%)
31	PEB	GI	201	3	43,46,46	3.37	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	M7	201	3	43,46,46	3.39	10 (23%)	45,67,67	2.30	17 (37%)
31	PEB	cF	203	2,3	43,46,46	3.33	12 (27%)	45,67,67	2.78	17 (37%)
31	PEB	FA	201	2,4	43,46,46	3.27	11 (25%)	45,67,67	2.19	13 (28%)
31	PEB	LI	203	2	43,46,46	3.40	11 (25%)	45,67,67	2.32	15 (33%)
31	PEB	cD	201	2	43,46,46	3.37	11 (25%)	45,67,67	2.11	16 (35%)
31	PEB	CG	201	3	43,46,46	3.34	10 (23%)	45,67,67	1.98	13 (28%)
31	PEB	IG	202	3	43,46,46	3.22	9 (20%)	45,67,67	2.31	14 (31%)
31	PEB	VA	202	2,3	43,46,46	3.32	10 (23%)	45,67,67	2.09	15 (33%)
31	PEB	AC	301	6	43,46,46	3.40	8 (18%)	45,67,67	2.12	14 (31%)
31	PEB	K4	203	2,3	43,46,46	3.19	10 (23%)	45,67,67	2.64	18 (40%)
31	PEB	QC	203	3	43,46,46	3.30	9 (20%)	45,67,67	2.08	14 (31%)
31	PEB	T5	202	3	43,46,46	3.44	10 (23%)	45,67,67	2.05	15 (33%)
31	PEB	T9	202	3	43,46,46	3.36	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	QE	202	3	43,46,46	3.43	10 (23%)	45,67,67	2.06	15 (33%)
31	PEB	Q8	201	3	43,46,46	3.12	9 (20%)	45,67,67	2.26	14 (31%)
31	PEB	DG	201	2,11	43,46,46	1.08	2 (4%)	45,67,67	0.99	2 (4%)
31	PEB	XG	202	3	43,46,46	3.22	9 (20%)	45,67,67	2.32	14 (31%)
31	PEB	P7	201	2	43,46,46	3.31	10 (23%)	45,67,67	2.09	17 (37%)
31	PEB	A7	203	2,3	43,46,46	3.42	11 (25%)	45,67,67	2.58	15 (33%)
31	PEB	JF	202	2	43,46,46	3.49	10 (23%)	45,67,67	2.34	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	iE	202	2	43,46,46	3.46	10 (23%)	45,67,67	2.02	14 (31%)
31	PEB	GG	203	3	43,46,46	3.22	10 (23%)	45,67,67	2.32	14 (31%)
31	PEB	eB	203	2	43,46,46	3.33	9 (20%)	45,67,67	1.98	12 (26%)
31	PEB	DA	201	2	43,46,46	3.32	10 (23%)	45,67,67	2.09	16 (35%)
31	PEB	h4	203	3	43,46,46	3.34	9 (20%)	45,67,67	2.64	13 (28%)
31	PEB	D2	1002	9	43,46,46	3.31	11 (25%)	45,67,67	2.13	15 (33%)
31	PEB	V5	201	3	43,46,46	3.17	10 (23%)	45,67,67	2.29	12 (26%)
31	PEB	L5	202	3	43,46,46	3.36	11 (25%)	45,67,67	2.25	14 (31%)
31	PEB	v8	201	2	43,46,46	3.48	10 (23%)	45,67,67	2.85	18 (40%)
32	PUB	NJ	201	6,3	42,46,46	3.77	9 (21%)	37,67,67	3.15	12 (32%)
31	PEB	VH	202	2	43,46,46	3.37	10 (23%)	45,67,67	2.46	18 (40%)
31	PEB	KK	202	3	43,46,46	3.45	10 (23%)	45,67,67	1.80	11 (24%)
31	PEB	WH	201	3	43,46,46	3.28	11 (25%)	45,67,67	2.40	17 (37%)
31	PEB	U9	203	2	43,46,46	3.32	10 (23%)	45,67,67	1.96	16 (35%)
31	PEB	AE	301	6	43,46,46	3.33	11 (25%)	45,67,67	2.33	16 (35%)
31	PEB	R7	202	2	43,46,46	3.35	10 (23%)	45,67,67	2.09	15 (33%)
31	PEB	R5	202	3	43,46,46	3.35	11 (25%)	45,67,67	1.99	13 (28%)
31	PEB	MI	301	2,14	43,46,46	3.33	10 (23%)	45,67,67	1.86	13 (28%)
31	PEB	WG	202	2,3	43,46,46	3.04	12 (27%)	45,67,67	2.88	16 (35%)
31	PEB	bD	201	3	43,46,46	3.32	10 (23%)	45,67,67	2.09	16 (35%)
31	PEB	R4	202	2	43,46,46	3.38	10 (23%)	45,67,67	2.59	17 (37%)
31	PEB	UE	201	2,3	43,46,46	3.29	10 (23%)	45,67,67	2.39	16 (35%)
31	PEB	NG	203	2,3	43,46,46	3.06	12 (27%)	45,67,67	2.67	14 (31%)
31	PEB	A7	201	3	43,46,46	3.23	10 (23%)	45,67,67	2.20	15 (33%)
33	CYC	H3	1001	24,20	42,46,46	3.45	14 (33%)	50,67,67	3.16	21 (42%)
31	PEB	MA	202	2	43,46,46	3.41	10 (23%)	45,67,67	2.25	17 (37%)
33	CYC	v3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	GH	202	3	43,46,46	3.40	10 (23%)	45,67,67	2.02	14 (31%)
31	PEB	KG	203	3	43,46,46	3.22	10 (23%)	45,67,67	2.31	14 (31%)
31	PEB	VB	201	2	43,46,46	3.34	10 (23%)	45,67,67	2.20	16 (35%)
31	PEB	YE	202	2	43,46,46	3.41	10 (23%)	45,67,67	2.28	17 (37%)
31	PEB	U9	201	2,14	43,46,46	3.59	14 (32%)	45,67,67	2.21	14 (31%)
31	PEB	HH	201	2	43,46,46	3.18	10 (23%)	45,67,67	2.39	15 (33%)
31	PEB	E7	201	3	43,46,46	3.30	11 (25%)	45,67,67	2.02	14 (31%)
31	PEB	l4	202	3	43,46,46	3.28	10 (23%)	45,67,67	2.21	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	N9	201	3	43,46,46	3.23	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	fF	201	2,12	43,46,46	3.39	9 (20%)	45,67,67	3.06	16 (35%)
31	PEB	G7	202	3	43,46,46	3.25	10 (23%)	45,67,67	2.24	15 (33%)
31	PEB	OD	201	3	43,46,46	3.37	10 (23%)	45,67,67	2.22	14 (31%)
31	PEB	Z4	202	2	43,46,46	3.32	12 (27%)	45,67,67	2.57	14 (31%)
31	PEB	g2	202	2	43,46,46	3.50	11 (25%)	45,67,67	2.22	14 (31%)
31	PEB	gE	202	2	43,46,46	3.39	10 (23%)	45,67,67	2.50	13 (28%)
31	PEB	f8	201	2,12	43,46,46	3.42	10 (23%)	45,67,67	3.07	16 (35%)
33	CYC	K6	1001	8	42,46,46	3.27	14 (33%)	50,67,67	2.89	19 (38%)
31	PEB	YG	201	2,11	43,46,46	3.36	11 (25%)	45,67,67	2.06	16 (35%)
31	PEB	YC	202	2	43,46,46	3.45	10 (23%)	45,67,67	2.03	12 (26%)
33	CYC	MD	1001	8,9	42,46,46	3.15	14 (33%)	50,67,67	2.88	19 (38%)
31	PEB	P4	202	2	43,46,46	3.32	10 (23%)	45,67,67	2.24	14 (31%)
31	PEB	b6	202	3	43,46,46	3.44	10 (23%)	45,67,67	2.00	13 (28%)
31	PEB	GK	201	3	43,46,46	3.11	9 (20%)	45,67,67	2.23	13 (28%)
33	CYC	IE	1001	8,9	42,46,46	3.18	13 (30%)	50,67,67	2.85	18 (36%)
31	PEB	T8	202	2	43,46,46	3.44	12 (27%)	45,67,67	2.22	17 (37%)
31	PEB	i8	201	2,3	43,46,46	3.41	10 (23%)	45,67,67	2.38	14 (31%)
31	PEB	h6	202	3	43,46,46	3.40	10 (23%)	45,67,67	2.00	13 (28%)
31	PEB	CK	201	3	43,46,46	3.30	12 (27%)	45,67,67	2.55	17 (37%)
31	PEB	X4	202	2	43,46,46	3.33	12 (27%)	45,67,67	2.53	16 (35%)
31	PEB	VK	203	2	43,46,46	3.54	12 (27%)	45,67,67	1.97	16 (35%)
33	CYC	F2	1001	9	42,46,46	3.32	14 (33%)	50,67,67	2.89	18 (36%)
31	PEB	KG	201	2,3	43,46,46	3.16	13 (30%)	45,67,67	2.83	14 (31%)
31	PEB	P4	201	2	43,46,46	3.38	12 (27%)	45,67,67	2.57	15 (33%)
31	PEB	l4	203	3	43,46,46	3.34	11 (25%)	45,67,67	2.37	15 (33%)
31	PEB	P2	201	2,10	43,46,46	3.37	10 (23%)	45,67,67	2.25	17 (37%)
31	PEB	M4	201	2,3	43,46,46	3.18	10 (23%)	45,67,67	2.51	17 (37%)
31	PEB	m8	202	3	43,46,46	3.42	10 (23%)	45,67,67	2.20	14 (31%)
31	PEB	SK	201	3	43,46,46	3.19	10 (23%)	45,67,67	2.76	16 (35%)
31	PEB	q8	202	3	43,46,46	3.39	11 (25%)	45,67,67	3.43	18 (40%)
31	PEB	nF	202	2	43,46,46	3.61	12 (27%)	45,67,67	1.94	13 (28%)
31	PEB	OF	202	3	43,46,46	3.09	9 (20%)	45,67,67	2.20	15 (33%)
31	PEB	QF	201	3	43,46,46	3.13	9 (20%)	45,67,67	2.28	14 (31%)
31	PEB	I5	202	2,26	43,46,46	3.68	13 (30%)	45,67,67	2.36	18 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	EF	201	3	43,46,46	3.07	9 (20%)	45,67,67	2.32	14 (31%)
31	PEB	T2	202	2	43,46,46	3.32	9 (20%)	45,67,67	1.81	12 (26%)
31	PEB	Y2	201	2	43,46,46	3.51	11 (25%)	45,67,67	2.31	18 (40%)
31	PEB	VK	201	2,15	43,46,46	3.35	10 (23%)	45,67,67	2.10	13 (28%)
31	PEB	DF	203	2,3	43,46,46	3.15	10 (23%)	45,67,67	2.69	16 (35%)
31	PEB	a4	202	3	43,46,46	3.35	10 (23%)	45,67,67	2.09	13 (28%)
31	PEB	o8	202	3	43,46,46	3.52	9 (20%)	45,67,67	1.95	14 (31%)
31	PEB	TJ	201	2,3	43,46,46	3.36	13 (30%)	45,67,67	2.31	13 (28%)
31	PEB	C4	203	2,3	43,46,46	3.18	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	l4	201	2,3	43,46,46	3.31	11 (25%)	45,67,67	2.46	16 (35%)
33	CYC	CE	1001	8,9	42,46,46	3.26	15 (35%)	50,67,67	2.70	18 (36%)
31	PEB	iC	202	2	43,46,46	3.54	11 (25%)	45,67,67	1.85	12 (26%)
31	PEB	l2	201	2,3	43,46,46	3.40	10 (23%)	45,67,67	2.27	15 (33%)
31	PEB	DI	203	2	43,46,46	3.48	10 (23%)	45,67,67	1.98	13 (28%)
31	PEB	P8	201	2	43,46,46	3.31	8 (18%)	45,67,67	3.21	18 (40%)
31	PEB	YJ	201	2	43,46,46	3.44	10 (23%)	45,67,67	1.99	12 (26%)
31	PEB	DF	202	2	43,46,46	3.43	10 (23%)	45,67,67	2.02	15 (33%)
31	PEB	QA	202	2,4	43,46,46	3.40	10 (23%)	45,67,67	1.98	15 (33%)
31	PEB	L8	202	2	43,46,46	3.65	11 (25%)	45,67,67	2.71	15 (33%)
31	PEB	KA	301	2,4	43,46,46	3.28	10 (23%)	45,67,67	2.21	18 (40%)
31	PEB	c8	201	3	43,46,46	3.22	10 (23%)	45,67,67	2.30	15 (33%)
32	PUB	AE	302	6	42,46,46	3.41	9 (21%)	37,67,67	3.31	16 (43%)
31	PEB	N4	202	2	43,46,46	3.32	11 (25%)	45,67,67	2.52	15 (33%)
33	CYC	73	1001	24,20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	YE	201	2	43,46,46	3.09	10 (23%)	45,67,67	2.59	20 (44%)
31	PEB	RG	203	2,3	43,46,46	2.94	10 (23%)	45,67,67	2.96	15 (33%)
31	PEB	TK	202	2	43,46,46	2.76	9 (20%)	45,67,67	3.00	19 (42%)
31	PEB	TI	201	3	43,46,46	3.37	11 (25%)	45,67,67	1.94	14 (31%)
31	PEB	B9	201	2,14,31	43,46,46	3.35	11 (25%)	45,67,67	2.10	15 (33%)
33	CYC	j3	1001	24,20	42,46,46	3.42	14 (33%)	50,67,67	3.16	21 (42%)
33	CYC	y3	1001	22	42,46,46	3.43	13 (30%)	50,67,67	3.01	23 (46%)
31	PEB	UA	302	2,4	43,46,46	3.46	11 (25%)	45,67,67	2.16	16 (35%)
31	PEB	ND	201	8,9	43,46,46	3.37	11 (25%)	45,67,67	2.23	15 (33%)
31	PEB	BI	201	2	43,46,46	3.51	11 (25%)	45,67,67	2.20	14 (31%)
32	PUB	N5	201	6,3	42,46,46	3.77	9 (21%)	37,67,67	3.13	12 (32%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	eF	201	2,3	43,46,46	3.42	13 (30%)	45,67,67	2.23	17 (37%)
31	PEB	O8	202	3	43,46,46	3.10	9 (20%)	45,67,67	2.20	15 (33%)
31	PEB	Y9	202	2	43,46,46	3.25	11 (25%)	45,67,67	2.24	15 (33%)
31	PEB	eD	203	2	43,46,46	3.58	12 (27%)	45,67,67	2.70	18 (40%)
31	PEB	HJ	202	3	43,46,46	3.42	12 (27%)	45,67,67	2.44	16 (35%)
31	PEB	R1	202	2	43,46,46	3.09	11 (25%)	45,67,67	2.93	15 (33%)
31	PEB	QA	204	2	43,46,46	3.25	10 (23%)	45,67,67	2.04	12 (26%)
31	PEB	OE	203	2,3	43,46,46	3.20	11 (25%)	45,67,67	2.24	16 (35%)
31	PEB	e6	202	2	43,46,46	3.35	11 (25%)	45,67,67	2.25	16 (35%)
33	CYC	i3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	HC	1002	9	43,46,46	3.45	11 (25%)	45,67,67	2.30	14 (31%)
31	PEB	iF	203	3	43,46,46	3.46	12 (27%)	45,67,67	2.04	14 (31%)
33	CYC	BD	1001	9,7	42,46,46	3.34	14 (33%)	50,67,67	2.84	22 (44%)
31	PEB	LJ	201	2,3	43,46,46	3.35	11 (25%)	45,67,67	2.43	16 (35%)
31	PEB	hD	202	3	43,46,46	3.36	11 (25%)	45,67,67	2.00	14 (31%)
31	PEB	U2	202	3	43,46,46	3.30	12 (27%)	45,67,67	2.13	17 (37%)
33	CYC	NC	1001	9,7	42,46,46	3.37	16 (38%)	50,67,67	2.85	23 (46%)
33	CYC	JC	1001	9	42,46,46	3.21	15 (35%)	50,67,67	2.86	23 (46%)
31	PEB	RE	202	2	43,46,46	3.40	10 (23%)	45,67,67	2.18	17 (37%)
31	PEB	A1	202	3	43,46,46	3.43	11 (25%)	45,67,67	1.98	12 (26%)
31	PEB	D9	202	2	43,46,46	3.27	12 (27%)	45,67,67	2.20	15 (33%)
31	PEB	XJ	203	3	43,46,46	3.41	10 (23%)	45,67,67	1.97	13 (28%)
31	PEB	BJ	201	3	43,46,46	3.22	10 (23%)	45,67,67	2.33	16 (35%)
31	PEB	hD	203	3	43,46,46	3.32	9 (20%)	45,67,67	2.01	13 (28%)
31	PEB	j2	201	3	43,46,46	3.17	10 (23%)	45,67,67	2.19	16 (35%)
31	PEB	eE	202	2	43,46,46	3.42	11 (25%)	45,67,67	2.31	13 (28%)
31	PEB	UD	202	3	43,46,46	3.49	10 (23%)	45,67,67	2.05	15 (33%)
31	PEB	bB	202	3	43,46,46	3.43	10 (23%)	45,67,67	2.00	13 (28%)
33	CYC	D2	1001	9	42,46,46	3.35	13 (30%)	50,67,67	2.86	18 (36%)
31	PEB	DJ	203	3	43,46,46	3.27	10 (23%)	45,67,67	2.24	15 (33%)
31	PEB	k2	201	2	43,46,46	3.41	10 (23%)	45,67,67	2.08	16 (35%)
31	PEB	SC	201	3	43,46,46	3.31	12 (27%)	45,67,67	2.38	14 (31%)
31	PEB	C7	203	3	43,46,46	3.39	10 (23%)	45,67,67	1.95	14 (31%)
31	PEB	V5	203	2,3	43,46,46	3.26	13 (30%)	45,67,67	2.37	14 (31%)
33	CYC	DE	1001	9	42,46,46	3.17	14 (33%)	50,67,67	3.01	21 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	UA	301	2,4	43,46,46	3.30	10 (23%)	45,67,67	2.28	16 (35%)
31	PEB	dB	201	3	43,46,46	3.28	10 (23%)	45,67,67	2.20	16 (35%)
31	PEB	mB	202	2	43,46,46	3.30	12 (27%)	45,67,67	2.37	16 (35%)
31	PEB	N6	1002	9	43,46,46	3.30	10 (23%)	45,67,67	2.14	16 (35%)
31	PEB	IF	202	3	43,46,46	1.07	2 (4%)	45,67,67	0.98	2 (4%)
31	PEB	S7	201	2,3	43,46,46	3.46	11 (25%)	45,67,67	2.54	15 (33%)
31	PEB	gH	201	2	43,46,46	3.39	11 (25%)	45,67,67	2.75	15 (33%)
31	PEB	LI	201	2	43,46,46	3.42	11 (25%)	45,67,67	2.03	12 (26%)
31	PEB	E7	203	2,3	43,46,46	3.46	11 (25%)	45,67,67	2.48	15 (33%)
31	PEB	a2	202	2	43,46,46	3.45	10 (23%)	45,67,67	2.11	16 (35%)
31	PEB	JJ	202	3	43,46,46	3.45	10 (23%)	45,67,67	2.20	15 (33%)
31	PEB	H9	203	2	43,46,46	3.35	9 (20%)	45,67,67	1.91	14 (31%)
31	PEB	K4	201	3	43,46,46	3.35	11 (25%)	45,67,67	2.12	13 (28%)
31	PEB	DH	201	2	43,46,46	3.28	10 (23%)	45,67,67	2.45	16 (35%)
31	PEB	J5	203	3	43,46,46	3.19	10 (23%)	45,67,67	2.06	13 (28%)
31	PEB	K1	201	3	43,46,46	3.26	11 (25%)	45,67,67	2.47	16 (35%)
31	PEB	D8	202	2	43,46,46	3.46	10 (23%)	45,67,67	2.03	14 (31%)
31	PEB	E4	203	3	43,46,46	3.29	10 (23%)	45,67,67	2.08	14 (31%)
31	PEB	W4	203	2,3	43,46,46	3.14	10 (23%)	45,67,67	2.46	15 (33%)
31	PEB	I8	202	3	43,46,46	1.10	2 (4%)	45,67,67	1.00	2 (4%)
33	CYC	L3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	MK	202	3	43,46,46	3.33	10 (23%)	45,67,67	2.00	13 (28%)
33	CYC	F3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.16	21 (42%)
31	PEB	F5	203	2,3	43,46,46	3.42	13 (30%)	45,67,67	3.08	13 (28%)
31	PEB	j8	201	2	43,46,46	3.34	11 (25%)	45,67,67	2.84	18 (40%)
31	PEB	O4	203	2,3	43,46,46	3.33	11 (25%)	45,67,67	2.30	15 (33%)
31	PEB	AI	202	3	43,46,46	3.59	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	JI	202	2	43,46,46	3.45	11 (25%)	45,67,67	2.37	17 (37%)
31	PEB	Q9	201	2,14	43,46,46	3.25	11 (25%)	45,67,67	2.11	17 (37%)
31	PEB	Y4	202	3	43,46,46	3.35	10 (23%)	45,67,67	2.17	13 (28%)
31	PEB	H9	201	2,14	43,46,46	3.66	15 (34%)	45,67,67	2.48	15 (33%)
31	PEB	XF	201	2	43,46,46	3.37	10 (23%)	45,67,67	3.73	17 (37%)
31	PEB	E5	202	2,26	43,46,46	3.30	11 (25%)	45,67,67	2.18	16 (35%)
31	PEB	Y6	201	2	43,46,46	3.39	10 (23%)	45,67,67	2.15	16 (35%)
32	PUB	yF	303	13	42,46,46	3.30	7 (16%)	37,67,67	3.12	13 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	JF	201	2	43,46,46	3.40	11 (25%)	45,67,67	3.08	17 (37%)
31	PEB	SI	202	2	43,46,46	3.28	12 (27%)	45,67,67	2.21	15 (33%)
31	PEB	mE	203	2	43,46,46	3.46	11 (25%)	45,67,67	1.97	14 (31%)
33	CYC	Q3	1001	24,20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	II	202	3	43,46,46	3.58	11 (25%)	45,67,67	2.66	17 (37%)
31	PEB	FG	202	2	43,46,46	3.26	9 (20%)	45,67,67	2.19	15 (33%)
31	PEB	hE	203	3	43,46,46	3.32	10 (23%)	45,67,67	2.00	13 (28%)
31	PEB	f4	202	3	43,46,46	3.33	10 (23%)	45,67,67	2.30	15 (33%)
31	PEB	AB	304	6	43,46,46	3.36	10 (23%)	45,67,67	2.06	13 (28%)
31	PEB	GF	203	3	43,46,46	3.40	11 (25%)	45,67,67	2.65	23 (51%)
31	PEB	Q5	201	2,6	43,46,46	3.48	10 (23%)	45,67,67	2.26	19 (42%)
33	CYC	U3	1001	24,20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	VC	201	2	43,46,46	3.37	12 (27%)	45,67,67	2.40	18 (40%)
31	PEB	WJ	202	2,6	43,46,46	3.44	10 (23%)	45,67,67	2.10	15 (33%)
31	PEB	UG	201	2	43,46,46	3.43	12 (27%)	45,67,67	2.18	15 (33%)
31	PEB	KH	202	3	43,46,46	3.15	10 (23%)	45,67,67	2.67	18 (40%)
31	PEB	b7	501	2	43,46,46	3.33	10 (23%)	45,67,67	2.23	15 (33%)
31	PEB	kE	201	2	43,46,46	1.08	2 (4%)	45,67,67	0.99	2 (4%)
31	PEB	L8	201	2	43,46,46	3.36	11 (25%)	45,67,67	3.49	19 (42%)
31	PEB	R6	202	2	43,46,46	3.23	11 (25%)	45,67,67	2.49	16 (35%)
31	PEB	T6	203	2	43,46,46	3.40	10 (23%)	45,67,67	2.02	13 (28%)
31	PEB	rF	201	2,12	43,46,46	3.46	11 (25%)	45,67,67	2.23	13 (28%)
31	PEB	QD	201	2,3	43,46,46	3.16	11 (25%)	45,67,67	2.65	17 (37%)
31	PEB	hH	202	3	43,46,46	3.33	11 (25%)	45,67,67	2.08	15 (33%)
31	PEB	TG	203	3	43,46,46	3.22	9 (20%)	45,67,67	2.31	14 (31%)
31	PEB	hE	201	2,3	43,46,46	3.60	12 (27%)	45,67,67	2.56	10 (22%)
31	PEB	eF	203	3	43,46,46	3.38	10 (23%)	45,67,67	2.15	13 (28%)
31	PEB	FF	201	2	43,46,46	3.51	10 (23%)	45,67,67	3.87	16 (35%)
33	CYC	C2	1001	8,9	42,46,46	3.27	13 (30%)	50,67,67	2.73	20 (40%)
31	PEB	UE	202	3	43,46,46	3.48	10 (23%)	45,67,67	2.05	15 (33%)
31	PEB	lF	202	2	43,46,46	3.44	11 (25%)	45,67,67	2.10	15 (33%)
31	PEB	NJ	202	3	43,46,46	3.44	12 (27%)	45,67,67	1.85	12 (26%)
31	PEB	X9	202	3	43,46,46	3.35	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	NH	201	2	43,46,46	3.17	10 (23%)	45,67,67	2.82	17 (37%)
33	CYC	p3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.93	18 (36%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	d8	201	2	43,46,46	3.48	10 (23%)	45,67,67	2.46	17 (37%)
31	PEB	Z4	201	2	43,46,46	3.37	11 (25%)	45,67,67	2.41	14 (31%)
31	PEB	T6	201	2	43,46,46	3.33	10 (23%)	45,67,67	2.17	17 (37%)
31	PEB	P6	201	2	43,46,46	3.37	10 (23%)	45,67,67	2.23	17 (37%)
31	PEB	RI	201	3	43,46,46	3.38	10 (23%)	45,67,67	1.95	14 (31%)
31	PEB	cC	202	2	43,46,46	3.45	10 (23%)	45,67,67	2.31	16 (35%)
31	PEB	W7	202	3	43,46,46	3.26	10 (23%)	45,67,67	2.16	17 (37%)
31	PEB	UI	204	2,3	43,46,46	3.57	11 (25%)	45,67,67	2.64	16 (35%)
31	PEB	d2	203	3	43,46,46	3.40	10 (23%)	45,67,67	2.83	15 (33%)
31	PEB	EI	202	3	43,46,46	3.58	11 (25%)	45,67,67	2.66	17 (37%)
32	PUB	wF	304	12	42,46,46	3.43	7 (16%)	37,67,67	3.12	17 (45%)
31	PEB	yF	301	13	43,46,46	3.36	10 (23%)	45,67,67	2.10	15 (33%)
31	PEB	X4	201	2	43,46,46	3.37	10 (23%)	45,67,67	2.28	14 (31%)
31	PEB	ZI	303	14	43,46,46	3.38	10 (23%)	45,67,67	2.38	17 (37%)
31	PEB	TH	202	2	43,46,46	3.34	10 (23%)	45,67,67	2.22	16 (35%)
31	PEB	AB	301	6	43,46,46	3.39	11 (25%)	45,67,67	2.00	14 (31%)
31	PEB	Z9	301	14,31	43,46,46	3.24	11 (25%)	45,67,67	2.71	19 (42%)
31	PEB	RE	201	2	43,46,46	3.42	10 (23%)	45,67,67	2.26	17 (37%)
31	PEB	Q4	201	2,3	43,46,46	3.30	9 (20%)	45,67,67	2.40	15 (33%)
31	PEB	DJ	201	2,3	43,46,46	3.18	11 (25%)	45,67,67	2.39	14 (31%)
31	PEB	DA	202	2	43,46,46	3.22	10 (23%)	45,67,67	2.12	13 (28%)
31	PEB	L1	202	2	43,46,46	3.18	10 (23%)	45,67,67	2.75	17 (37%)
31	PEB	S2	201	3	43,46,46	3.31	12 (27%)	45,67,67	2.37	14 (31%)
33	CYC	E3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.92	18 (36%)
31	PEB	U1	202	3	43,46,46	3.34	10 (23%)	45,67,67	1.94	13 (28%)
31	PEB	QD	203	3	43,46,46	3.38	10 (23%)	45,67,67	2.00	15 (33%)
31	PEB	K8	203	3	43,46,46	3.32	9 (20%)	45,67,67	2.05	17 (37%)
31	PEB	Y9	203	2	43,46,46	3.21	9 (20%)	45,67,67	2.03	14 (31%)
31	PEB	e2	202	2	43,46,46	3.45	11 (25%)	45,67,67	1.96	14 (31%)
31	PEB	UA	304	2,4	43,46,46	3.57	13 (30%)	45,67,67	2.69	18 (40%)
31	PEB	fB	202	3	43,46,46	3.41	10 (23%)	45,67,67	1.97	14 (31%)
31	PEB	O2	202	3	43,46,46	3.31	10 (23%)	45,67,67	2.46	15 (33%)
31	PEB	gA	201	2	43,46,46	3.38	11 (25%)	45,67,67	2.17	14 (31%)
33	CYC	t3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	kB	202	2	43,46,46	3.34	11 (25%)	45,67,67	2.35	14 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	JG	202	2	43,46,46	3.39	10 (23%)	45,67,67	1.82	13 (28%)
31	PEB	I4	202	3	43,46,46	3.27	11 (25%)	45,67,67	2.26	14 (31%)
33	CYC	I6	1001	8	42,46,46	3.19	13 (30%)	50,67,67	2.82	20 (40%)
31	PEB	GA	203	2	43,46,46	3.31	10 (23%)	45,67,67	2.17	16 (35%)
31	PEB	D1	202	2	43,46,46	3.23	11 (25%)	45,67,67	2.50	16 (35%)
31	PEB	SK	202	3	43,46,46	3.20	10 (23%)	45,67,67	1.96	12 (26%)
31	PEB	BK	201	2,31	43,46,46	3.32	11 (25%)	45,67,67	2.18	17 (37%)
31	PEB	RC	201	2	43,46,46	3.41	11 (25%)	45,67,67	2.17	18 (40%)
31	PEB	EH	202	3	43,46,46	3.20	10 (23%)	45,67,67	2.13	12 (26%)
31	PEB	A4	301	12	43,46,46	3.28	11 (25%)	45,67,67	2.22	14 (31%)
31	PEB	OH	202	3	43,46,46	3.39	10 (23%)	45,67,67	2.87	16 (35%)
31	PEB	IF	201	3	43,46,46	2.70	11 (25%)	45,67,67	2.79	16 (35%)
31	PEB	fC	202	3	43,46,46	3.47	9 (20%)	45,67,67	2.59	15 (33%)
31	PEB	b8	201	2	43,46,46	3.39	10 (23%)	45,67,67	2.09	15 (33%)
31	PEB	R9	202	3	43,46,46	3.35	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	SD	201	2,3	43,46,46	3.23	9 (20%)	45,67,67	2.46	14 (31%)
31	PEB	dD	201	2,3	43,46,46	3.39	10 (23%)	45,67,67	2.42	16 (35%)
31	PEB	SF	201	2,3	43,46,46	3.22	11 (25%)	45,67,67	2.59	15 (33%)
33	CYC	N6	1001	9	42,46,46	3.37	15 (35%)	50,67,67	2.85	21 (42%)
31	PEB	TF	201	2	43,46,46	3.28	8 (18%)	45,67,67	2.93	15 (33%)
31	PEB	P1	203	2	43,46,46	3.40	10 (23%)	45,67,67	2.06	13 (28%)
31	PEB	TJ	203	3	43,46,46	3.38	8 (18%)	45,67,67	2.13	12 (26%)
33	CYC	GB	1001	8	42,46,46	3.32	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	AJ	302	6	43,46,46	3.31	9 (20%)	45,67,67	2.00	16 (35%)
33	CYC	g3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.92	19 (38%)
31	PEB	EG	201	3	43,46,46	3.33	9 (20%)	45,67,67	1.98	13 (28%)
31	PEB	E9	201	3	43,46,46	3.23	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	Q8	203	2,3	43,46,46	3.43	13 (30%)	45,67,67	3.27	16 (35%)
31	PEB	BG	203	2	43,46,46	3.46	10 (23%)	45,67,67	2.36	15 (33%)
33	CYC	S3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	g4	202	2	43,46,46	3.43	9 (20%)	45,67,67	2.32	16 (35%)
31	PEB	aH	204	2,3	43,46,46	3.25	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	OE	201	3	43,46,46	3.39	10 (23%)	45,67,67	2.24	15 (33%)
31	PEB	eB	201	2	43,46,46	3.34	11 (25%)	45,67,67	2.15	15 (33%)
33	CYC	NB	1001	9	42,46,46	3.36	15 (35%)	50,67,67	2.84	21 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	XH	201	2	43,46,46	3.30	10 (23%)	45,67,67	2.47	15 (33%)
31	PEB	XA	201	2	43,46,46	3.29	10 (23%)	45,67,67	2.18	15 (33%)
31	PEB	c8	202	3	43,46,46	3.39	8 (18%)	45,67,67	2.01	13 (28%)
31	PEB	I8	201	3	43,46,46	2.70	11 (25%)	45,67,67	2.79	16 (35%)
33	CYC	d3	1001	24,20	42,46,46	3.44	14 (33%)	50,67,67	3.16	21 (42%)
31	PEB	S9	201	2,14	43,46,46	3.48	11 (25%)	45,67,67	2.22	17 (37%)
31	PEB	O6	202	3	43,46,46	3.35	11 (25%)	45,67,67	1.85	11 (24%)
31	PEB	A2	302	6	43,46,46	3.39	11 (25%)	45,67,67	1.95	12 (26%)
31	PEB	JH	202	2	43,46,46	3.35	10 (23%)	45,67,67	2.35	18 (40%)
31	PEB	R1	201	2	43,46,46	3.28	10 (23%)	45,67,67	2.16	16 (35%)
31	PEB	OB	201	3	43,46,46	3.36	10 (23%)	45,67,67	2.49	17 (37%)
31	PEB	X8	202	2	43,46,46	3.26	12 (27%)	45,67,67	2.64	16 (35%)
31	PEB	C5	201	2	43,46,46	3.46	10 (23%)	45,67,67	1.99	15 (33%)
31	PEB	G7	203	3	43,46,46	3.37	11 (25%)	45,67,67	1.98	13 (28%)
33	CYC	ID	1001	8,9	42,46,46	3.19	13 (30%)	50,67,67	2.84	18 (36%)
31	PEB	AI	201	3	43,46,46	3.38	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	iH	202	2,12	43,46,46	3.35	10 (23%)	45,67,67	2.29	15 (33%)
33	CYC	J2	1001	9	42,46,46	3.21	15 (35%)	50,67,67	2.86	22 (44%)
31	PEB	hD	201	2,3	43,46,46	3.60	13 (30%)	45,67,67	2.56	10 (22%)
31	PEB	M5	201	2	43,46,46	3.44	10 (23%)	45,67,67	2.08	15 (33%)
31	PEB	TK	203	2	43,46,46	3.29	10 (23%)	45,67,67	2.26	17 (37%)
31	PEB	kC	201	2	43,46,46	3.39	10 (23%)	45,67,67	2.10	16 (35%)
31	PEB	FJ	201	3	43,46,46	3.25	11 (25%)	45,67,67	2.63	17 (37%)
31	PEB	T5	203	3	43,46,46	3.40	8 (18%)	45,67,67	2.13	12 (26%)
31	PEB	O1	202	3	43,46,46	3.27	10 (23%)	45,67,67	1.97	15 (33%)
33	CYC	FD	202	8,9	42,46,46	3.24	15 (35%)	50,67,67	2.71	17 (34%)
31	PEB	QE	203	3	43,46,46	3.40	9 (20%)	45,67,67	1.99	15 (33%)
33	CYC	FC	1001	9	42,46,46	3.32	14 (33%)	50,67,67	2.90	18 (36%)
31	PEB	iD	201	2	43,46,46	3.48	11 (25%)	45,67,67	1.97	14 (31%)
31	PEB	WB	201	3	43,46,46	3.26	11 (25%)	45,67,67	2.59	17 (37%)
31	PEB	N5	202	3	43,46,46	3.43	11 (25%)	45,67,67	1.82	12 (26%)
31	PEB	O9	203	2	43,46,46	3.15	10 (23%)	45,67,67	2.02	16 (35%)
31	PEB	RH	201	2	43,46,46	3.28	10 (23%)	45,67,67	2.40	15 (33%)
31	PEB	J9	203	2	43,46,46	3.21	10 (23%)	45,67,67	2.02	15 (33%)
31	PEB	h2	202	3	43,46,46	3.38	12 (27%)	45,67,67	2.15	14 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	b7	503	2,27	43,46,46	3.29	10 (23%)	45,67,67	2.06	14 (31%)
31	PEB	JC	1002	9	43,46,46	3.18	10 (23%)	45,67,67	2.15	14 (31%)
31	PEB	OC	202	3	43,46,46	3.31	10 (23%)	45,67,67	2.47	15 (33%)
31	PEB	WJ	201	2	43,46,46	3.48	13 (30%)	45,67,67	1.96	15 (33%)
33	CYC	EE	1001	8,9	42,46,46	3.21	15 (35%)	50,67,67	2.76	21 (42%)
31	PEB	M4	202	3	43,46,46	3.18	11 (25%)	45,67,67	2.16	13 (28%)
31	PEB	YK	302	31,6	43,46,46	3.35	10 (23%)	45,67,67	3.21	18 (40%)
31	PEB	Z9	303	14	43,46,46	3.17	11 (25%)	45,67,67	2.87	19 (42%)
31	PEB	o8	203	3	43,46,46	3.38	11 (25%)	45,67,67	2.29	13 (28%)
31	PEB	f2	202	3	43,46,46	3.47	9 (20%)	45,67,67	2.59	15 (33%)
31	PEB	N5	204	2,3	43,46,46	3.49	9 (20%)	45,67,67	2.23	15 (33%)
31	PEB	VD	202	2	43,46,46	3.45	10 (23%)	45,67,67	2.18	15 (33%)
31	PEB	fE	201	3	43,46,46	3.34	10 (23%)	45,67,67	2.12	17 (37%)
31	PEB	A5	302	6	43,46,46	3.32	9 (20%)	45,67,67	1.99	16 (35%)
31	PEB	H5	203	3	43,46,46	3.45	10 (23%)	45,67,67	2.13	12 (26%)
32	PUB	Y1	304	6	42,46,46	3.53	8 (19%)	37,67,67	3.04	16 (43%)
31	PEB	O9	201	2,14,31	43,46,46	3.28	11 (25%)	45,67,67	2.06	17 (37%)
31	PEB	IF	201	2	43,46,46	3.42	11 (25%)	45,67,67	2.59	15 (33%)
31	PEB	SE	201	2,3	43,46,46	3.22	9 (20%)	45,67,67	2.46	14 (31%)
31	PEB	YB	201	2	43,46,46	3.38	10 (23%)	45,67,67	2.15	16 (35%)
31	PEB	WI	202	2	43,46,46	3.58	11 (25%)	45,67,67	2.49	17 (37%)
31	PEB	YB	202	2	43,46,46	3.20	11 (25%)	45,67,67	2.33	15 (33%)
31	PEB	GH	203	2,3	43,46,46	3.16	10 (23%)	45,67,67	2.60	18 (40%)
32	PUB	MI	303	14	42,46,46	3.38	9 (21%)	37,67,67	4.03	18 (48%)
31	PEB	i6	201	2	43,46,46	3.41	10 (23%)	45,67,67	1.99	15 (33%)
31	PEB	YH	203	3	43,46,46	3.18	10 (23%)	45,67,67	2.25	17 (37%)
31	PEB	S4	202	3	43,46,46	3.42	12 (27%)	45,67,67	1.99	13 (28%)
31	PEB	HF	201	2	43,46,46	3.13	13 (30%)	45,67,67	2.92	21 (46%)
31	PEB	HG	203	2,3	43,46,46	2.90	12 (27%)	45,67,67	2.88	16 (35%)
31	PEB	WE	201	3	43,46,46	3.34	10 (23%)	45,67,67	2.33	18 (40%)
31	PEB	X5	202	3	43,46,46	3.53	11 (25%)	45,67,67	1.94	14 (31%)
33	CYC	KD	202	-	42,46,46	1.09	1 (2%)	50,67,67	0.95	2 (4%)
31	PEB	V2	202	2	43,46,46	3.38	10 (23%)	45,67,67	2.16	16 (35%)
31	PEB	Y9	201	2,14	43,46,46	3.20	10 (23%)	45,67,67	2.16	17 (37%)
31	PEB	z8	501	2,28	43,46,46	3.08	9 (20%)	45,67,67	2.07	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	E5	201	2	43,46,46	3.30	10 (23%)	45,67,67	2.08	14 (31%)
31	PEB	MA	201	2	43,46,46	3.26	10 (23%)	45,67,67	2.18	16 (35%)
31	PEB	d5	401	2,26	43,46,46	3.30	10 (23%)	45,67,67	2.30	18 (40%)
31	PEB	YA	201	2	43,46,46	3.34	10 (23%)	45,67,67	2.03	15 (33%)
31	PEB	kD	201	2	43,46,46	3.34	9 (20%)	45,67,67	2.15	16 (35%)
31	PEB	VJ	201	3	43,46,46	3.20	10 (23%)	45,67,67	2.30	12 (26%)
31	PEB	D4	202	2,13	43,46,46	3.45	10 (23%)	45,67,67	2.30	13 (28%)
31	PEB	LJ	203	3	43,46,46	3.37	9 (20%)	45,67,67	2.04	14 (31%)
31	PEB	SE	203	-	43,46,46	1.08	2 (4%)	45,67,67	1.01	2 (4%)
31	PEB	Q4	203	3	43,46,46	3.36	10 (23%)	45,67,67	2.15	14 (31%)
31	PEB	N8	201	2	43,46,46	3.33	10 (23%)	45,67,67	3.07	16 (35%)
31	PEB	n8	202	2	43,46,46	3.59	13 (30%)	45,67,67	1.94	13 (28%)
33	CYC	E2	1001	8,9	42,46,46	3.05	14 (33%)	50,67,67	3.18	20 (40%)
31	PEB	SG	201	2	43,46,46	3.23	11 (25%)	45,67,67	2.25	14 (31%)
31	PEB	eD	202	2	43,46,46	3.41	10 (23%)	45,67,67	2.31	13 (28%)
31	PEB	IH	201	2,3	43,46,46	3.21	11 (25%)	45,67,67	2.53	16 (35%)
31	PEB	OC	201	3	43,46,46	3.33	13 (30%)	45,67,67	2.34	16 (35%)
31	PEB	ZA	202	2	43,46,46	3.33	10 (23%)	45,67,67	2.10	13 (28%)
31	PEB	MH	202	3	43,46,46	3.07	9 (20%)	45,67,67	2.32	16 (35%)
31	PEB	LJ	202	3	43,46,46	3.37	11 (25%)	45,67,67	2.25	14 (31%)
31	PEB	IC	201	3	43,46,46	3.44	12 (27%)	45,67,67	2.04	13 (28%)
31	PEB	q8	203	3	43,46,46	3.51	12 (27%)	45,67,67	2.31	16 (35%)
31	PEB	X1	201	2,15	43,46,46	3.63	11 (25%)	45,67,67	2.34	19 (42%)
31	PEB	H1	202	2	43,46,46	3.37	11 (25%)	45,67,67	2.58	17 (37%)
31	PEB	BG	201	2	43,46,46	3.43	12 (27%)	45,67,67	2.44	19 (42%)
31	PEB	OF	203	3	43,46,46	3.26	8 (18%)	45,67,67	2.01	16 (35%)
33	CYC	c3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.92	19 (38%)
31	PEB	RK	202	2	43,46,46	3.09	10 (23%)	45,67,67	2.94	15 (33%)
31	PEB	VD	201	2	43,46,46	3.38	11 (25%)	45,67,67	2.04	16 (35%)
32	PUB	AD	302	6	42,46,46	3.40	9 (21%)	37,67,67	3.31	16 (43%)
31	PEB	a4	203	3	43,46,46	3.32	11 (25%)	45,67,67	2.36	15 (33%)
31	PEB	F2	1002	9	43,46,46	3.30	10 (23%)	45,67,67	2.15	12 (26%)
33	CYC	IB	1001	8	42,46,46	3.19	13 (30%)	50,67,67	2.82	20 (40%)
31	PEB	H7	201	2,27	43,46,46	3.49	11 (25%)	45,67,67	2.03	15 (33%)
31	PEB	E1	202	3	43,46,46	3.41	12 (27%)	45,67,67	1.99	13 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	L1	203	2	43,46,46	3.46	10 (23%)	45,67,67	1.81	13 (28%)
32	PUB	K1	203	6,3	42,46,46	3.36	7 (16%)	37,67,67	3.59	17 (45%)
31	PEB	OJ	202	2	43,46,46	3.49	13 (30%)	45,67,67	1.97	15 (33%)
31	PEB	B7	201	2	43,46,46	3.45	12 (27%)	45,67,67	2.17	18 (40%)
31	PEB	UG	202	2	43,46,46	3.26	10 (23%)	45,67,67	2.12	15 (33%)
31	PEB	IF	203	2,3	43,46,46	3.08	11 (25%)	45,67,67	2.73	17 (37%)
32	PUB	M9	304	14,3	42,46,46	3.65	9 (21%)	37,67,67	3.54	16 (43%)
31	PEB	V8	202	2	43,46,46	3.44	11 (25%)	45,67,67	2.65	18 (40%)
31	PEB	W5	202	2,6	43,46,46	3.42	11 (25%)	45,67,67	2.09	15 (33%)
31	PEB	cH	201	2	43,46,46	3.29	10 (23%)	45,67,67	2.24	14 (31%)
31	PEB	hH	201	2,3	43,46,46	3.33	12 (27%)	45,67,67	2.44	16 (35%)
31	PEB	M9	303	14	43,46,46	3.18	11 (25%)	45,67,67	2.87	19 (42%)
32	PUB	AB	303	6	42,46,46	3.41	7 (16%)	37,67,67	3.02	14 (37%)
31	PEB	a8	203	3	43,46,46	3.34	9 (20%)	45,67,67	2.33	16 (35%)
31	PEB	X8	201	2	43,46,46	3.39	10 (23%)	45,67,67	3.73	17 (37%)
31	PEB	wF	302	12	43,46,46	3.33	9 (20%)	45,67,67	2.23	15 (33%)
31	PEB	ZB	202	3	43,46,46	3.30	10 (23%)	45,67,67	1.93	12 (26%)
31	PEB	V9	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	g8	201	3	43,46,46	3.12	11 (25%)	45,67,67	2.38	15 (33%)
31	PEB	CI	202	3	43,46,46	3.58	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	T1	203	2	43,46,46	3.30	10 (23%)	45,67,67	2.26	17 (37%)
31	PEB	gD	202	2	43,46,46	3.37	9 (20%)	45,67,67	2.49	13 (28%)
31	PEB	DF	201	2	43,46,46	3.26	8 (18%)	45,67,67	3.08	18 (40%)
31	PEB	H1	203	2	43,46,46	3.55	12 (27%)	45,67,67	2.47	16 (35%)
31	PEB	RA	201	2,5	43,46,46	3.47	10 (23%)	45,67,67	2.11	14 (31%)
31	PEB	v8	202	2	43,46,46	3.50	11 (25%)	45,67,67	1.97	16 (35%)
31	PEB	PJ	202	3	43,46,46	3.48	11 (25%)	45,67,67	2.21	16 (35%)
31	PEB	RG	202	3	43,46,46	3.21	10 (23%)	45,67,67	2.31	14 (31%)
33	CYC	H2	1001	9	42,46,46	3.30	13 (30%)	50,67,67	2.89	22 (44%)
31	PEB	kB	201	2	43,46,46	3.42	12 (27%)	45,67,67	1.97	12 (26%)
31	PEB	JG	201	2	43,46,46	3.43	11 (25%)	45,67,67	2.16	17 (37%)
31	PEB	b7	502	2	43,46,46	3.29	10 (23%)	45,67,67	2.04	16 (35%)
31	PEB	hB	201	3	43,46,46	3.40	11 (25%)	45,67,67	2.34	19 (42%)
31	PEB	SI	201	2,14	43,46,46	3.31	11 (25%)	45,67,67	2.43	14 (31%)
31	PEB	OI	202	2	43,46,46	3.08	10 (23%)	45,67,67	2.56	19 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
33	CYC	GD	201	8,9	42,46,46	3.19	14 (33%)	50,67,67	2.88	18 (36%)
32	PUB	AH	304	12	42,46,46	3.42	7 (16%)	37,67,67	3.51	18 (48%)
31	PEB	U5	201	2,6	43,46,46	3.51	12 (27%)	45,67,67	2.13	17 (37%)
31	PEB	FG	201	2	43,46,46	3.30	13 (30%)	45,67,67	2.23	16 (35%)
31	PEB	W8	202	3	43,46,46	3.31	11 (25%)	45,67,67	2.28	18 (40%)
31	PEB	fH	203	2,3	43,46,46	3.35	12 (27%)	45,67,67	2.38	14 (31%)
31	PEB	C7	202	3	43,46,46	3.34	11 (25%)	45,67,67	2.12	14 (31%)
31	PEB	KH	201	3	43,46,46	3.21	10 (23%)	45,67,67	2.26	16 (35%)
31	PEB	O5	202	2	43,46,46	3.47	13 (30%)	45,67,67	1.98	15 (33%)
31	PEB	P5	203	3	43,46,46	3.39	9 (20%)	45,67,67	2.12	12 (26%)
31	PEB	GF	201	2,3	43,46,46	3.17	12 (27%)	45,67,67	3.04	20 (44%)
31	PEB	G7	201	2,3	43,46,46	3.45	11 (25%)	45,67,67	2.60	16 (35%)
31	PEB	BK	202	2	43,46,46	3.48	11 (25%)	45,67,67	3.05	18 (40%)
31	PEB	fE	203	2,3	43,46,46	3.39	11 (25%)	45,67,67	2.19	13 (28%)
31	PEB	CA	202	2,1	43,46,46	3.26	10 (23%)	45,67,67	2.16	16 (35%)
31	PEB	k8	203	2,3	43,46,46	3.46	12 (27%)	45,67,67	2.31	11 (24%)
31	PEB	JJ	203	3	43,46,46	3.22	9 (20%)	45,67,67	2.08	13 (28%)
31	PEB	lF	203	2,3	43,46,46	3.40	14 (32%)	45,67,67	2.53	16 (35%)
31	PEB	O7	202	3	43,46,46	3.35	10 (23%)	45,67,67	2.10	14 (31%)
31	PEB	R2	201	2	43,46,46	3.40	11 (25%)	45,67,67	2.16	18 (40%)
31	PEB	VE	201	2	43,46,46	3.40	11 (25%)	45,67,67	2.06	16 (35%)
31	PEB	fH	201	3	43,46,46	3.28	9 (20%)	45,67,67	2.10	14 (31%)
31	PEB	UI	202	2	43,46,46	3.33	10 (23%)	45,67,67	2.27	15 (33%)
31	PEB	iE	201	2	43,46,46	3.45	11 (25%)	45,67,67	1.97	14 (31%)
31	PEB	R1	203	2	43,46,46	3.40	10 (23%)	45,67,67	2.24	19 (42%)
31	PEB	VI	202	3	43,46,46	3.57	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	S5	202	2	43,46,46	3.36	10 (23%)	45,67,67	1.98	16 (35%)
31	PEB	MF	203	2,3	43,46,46	3.33	13 (30%)	45,67,67	2.57	16 (35%)
31	PEB	L5	201	2,3	43,46,46	3.33	11 (25%)	45,67,67	2.42	16 (35%)
31	PEB	BH	301	13	43,46,46	3.28	10 (23%)	45,67,67	2.22	16 (35%)
31	PEB	IK	202	3	43,46,46	3.42	11 (25%)	45,67,67	1.87	12 (26%)
31	PEB	m8	201	3	43,46,46	3.40	10 (23%)	45,67,67	2.11	15 (33%)
31	PEB	lE	202	3	43,46,46	3.34	11 (25%)	45,67,67	2.01	14 (31%)
33	CYC	J6	1001	9	42,46,46	3.11	16 (38%)	50,67,67	2.96	21 (42%)
31	PEB	J5	201	2,3	43,46,46	3.20	11 (25%)	45,67,67	2.24	12 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	A5	304	6,31	43,46,46	3.44	11 (25%)	45,67,67	2.27	16 (35%)
31	PEB	MF	202	3	43,46,46	3.45	12 (27%)	45,67,67	1.96	15 (33%)
31	PEB	I7	203	2,3	43,46,46	3.37	11 (25%)	45,67,67	2.62	15 (33%)
31	PEB	E4	201	2,3	43,46,46	3.30	12 (27%)	45,67,67	2.42	16 (35%)
31	PEB	j8	202	2	43,46,46	3.45	10 (23%)	45,67,67	2.17	13 (28%)
31	PEB	U6	201	3	43,46,46	3.20	10 (23%)	45,67,67	2.80	19 (42%)
31	PEB	eE	201	2	43,46,46	3.40	11 (25%)	45,67,67	1.96	14 (31%)
31	PEB	FI	203	2	43,46,46	3.24	9 (20%)	45,67,67	2.21	17 (37%)
31	PEB	AJ	304	6,31	43,46,46	3.45	11 (25%)	45,67,67	2.27	17 (37%)
31	PEB	a4	201	3,12	43,46,46	3.33	11 (25%)	45,67,67	2.20	15 (33%)
32	PUB	w8	304	12	42,46,46	3.40	8 (19%)	37,67,67	3.12	17 (45%)
31	PEB	g6	201	2	43,46,46	3.39	10 (23%)	45,67,67	1.98	13 (28%)
31	PEB	VG	201	3	43,46,46	3.34	9 (20%)	45,67,67	1.97	13 (28%)
32	PUB	AE	303	6	42,46,46	3.45	7 (16%)	37,67,67	3.00	14 (37%)
31	PEB	VJ	203	2,3	43,46,46	3.26	13 (30%)	45,67,67	2.37	13 (28%)
31	PEB	XI	202	3	43,46,46	3.59	11 (25%)	45,67,67	2.66	17 (37%)
31	PEB	c6	202	2	43,46,46	3.46	12 (27%)	45,67,67	2.38	14 (31%)
32	PUB	xF	306	12	42,46,46	3.60	7 (16%)	37,67,67	2.90	15 (40%)
31	PEB	jB	202	3	43,46,46	3.32	11 (25%)	45,67,67	1.95	12 (26%)
31	PEB	B8	202	2	43,46,46	3.44	10 (23%)	45,67,67	2.35	14 (31%)
31	PEB	f4	203	2,3	43,46,46	3.31	11 (25%)	45,67,67	2.48	16 (35%)
31	PEB	C4	201	3	43,46,46	3.24	10 (23%)	45,67,67	2.10	13 (28%)
31	PEB	gF	201	3	43,46,46	3.12	11 (25%)	45,67,67	2.39	15 (33%)
31	PEB	P6	203	2	43,46,46	3.33	9 (20%)	45,67,67	1.85	13 (28%)
31	PEB	oF	201	3	43,46,46	3.35	11 (25%)	45,67,67	2.25	15 (33%)
31	PEB	iD	202	2	43,46,46	3.49	10 (23%)	45,67,67	2.02	15 (33%)
33	CYC	W3	1001	22	42,46,46	3.44	13 (30%)	50,67,67	3.01	23 (46%)
31	PEB	tF	202	2	43,46,46	3.64	12 (27%)	45,67,67	2.63	15 (33%)
31	PEB	OJ	201	2,6,31	43,46,46	3.40	10 (23%)	45,67,67	1.99	15 (33%)
33	CYC	w3	1001	24,20	42,46,46	3.43	14 (33%)	50,67,67	3.16	21 (42%)
31	PEB	F7	202	2	43,46,46	3.27	10 (23%)	45,67,67	2.18	16 (35%)
31	PEB	O4	202	3	43,46,46	3.36	12 (27%)	45,67,67	2.46	16 (35%)
31	PEB	a8	201	2,3	43,46,46	3.42	12 (27%)	45,67,67	2.42	15 (33%)
31	PEB	W9	202	2	43,46,46	3.48	12 (27%)	45,67,67	2.33	17 (37%)
31	PEB	K8	202	3	43,46,46	3.36	11 (25%)	45,67,67	2.36	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	M9	302	14	43,46,46	3.14	10 (23%)	45,67,67	2.42	14 (31%)
31	PEB	vF	202	2	43,46,46	3.49	10 (23%)	45,67,67	1.96	16 (35%)
31	PEB	mE	201	2	43,46,46	3.49	13 (30%)	45,67,67	1.94	13 (28%)
33	CYC	JC	1003	8,9	42,46,46	3.21	12 (28%)	50,67,67	2.65	19 (38%)
31	PEB	S1	201	3	43,46,46	3.18	10 (23%)	45,67,67	2.76	16 (35%)
31	PEB	EK	201	3	43,46,46	3.57	12 (27%)	45,67,67	2.32	14 (31%)
31	PEB	dE	203	3	43,46,46	3.48	12 (27%)	45,67,67	2.08	15 (33%)
31	PEB	RJ	203	2,3	43,46,46	3.37	12 (27%)	45,67,67	2.32	16 (35%)
32	PUB	xF	305	12	42,46,46	3.38	7 (16%)	37,67,67	3.26	15 (40%)
31	PEB	VI	201	3	43,46,46	3.38	10 (23%)	45,67,67	1.95	14 (31%)
31	PEB	C9	201	3	43,46,46	3.23	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	G9	202	3	43,46,46	3.36	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	R8	202	2	43,46,46	3.39	11 (25%)	45,67,67	2.31	15 (33%)
31	PEB	J7	201	2	43,46,46	3.49	12 (27%)	45,67,67	2.07	16 (35%)
31	PEB	cA	403	5,2	43,46,46	3.30	10 (23%)	45,67,67	2.21	18 (40%)
31	PEB	cB	203	2	43,46,46	3.46	12 (27%)	45,67,67	1.99	11 (24%)
31	PEB	S4	201	3	43,46,46	3.38	11 (25%)	45,67,67	2.00	13 (28%)
31	PEB	L9	203	2	43,46,46	3.16	10 (23%)	45,67,67	2.18	17 (37%)
31	PEB	KI	202	3	43,46,46	3.59	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	F1	203	2	43,46,46	3.60	12 (27%)	45,67,67	1.98	16 (35%)
31	PEB	CA	201	2	43,46,46	3.38	11 (25%)	45,67,67	2.49	15 (33%)
31	PEB	mD	202	2	43,46,46	3.42	11 (25%)	45,67,67	2.56	14 (31%)
31	PEB	C8	202	3	43,46,46	3.08	8 (18%)	45,67,67	2.07	15 (33%)
31	PEB	G8	201	2,3	43,46,46	3.17	12 (27%)	45,67,67	3.03	21 (46%)
31	PEB	UE	203	3	43,46,46	3.41	10 (23%)	45,67,67	2.04	15 (33%)
31	PEB	h6	201	3	43,46,46	3.42	11 (25%)	45,67,67	2.36	18 (40%)
31	PEB	LE	1002	8,9	43,46,46	3.32	10 (23%)	45,67,67	1.90	14 (31%)
31	PEB	B4	301	13	43,46,46	3.36	10 (23%)	45,67,67	2.19	16 (35%)
31	PEB	j4	202	3	43,46,46	3.29	10 (23%)	45,67,67	2.84	13 (28%)
31	PEB	UF	201	3	43,46,46	2.77	10 (23%)	45,67,67	3.00	17 (37%)
31	PEB	RD	202	2	43,46,46	3.40	10 (23%)	45,67,67	2.17	17 (37%)
31	PEB	d4	203	3	43,46,46	3.41	10 (23%)	45,67,67	2.37	12 (26%)
31	PEB	YI	202	2	43,46,46	3.44	12 (27%)	45,67,67	2.28	14 (31%)
31	PEB	IH	203	3	43,46,46	3.40	11 (25%)	45,67,67	2.31	14 (31%)
31	PEB	I8	203	2,3	43,46,46	3.06	11 (25%)	45,67,67	2.74	18 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	LD	1002	8,9	43,46,46	3.32	10 (23%)	45,67,67	1.89	13 (28%)
32	PUB	x8	305	12	42,46,46	3.41	7 (16%)	37,67,67	3.26	15 (40%)
31	PEB	dE	204	3	43,46,46	3.43	13 (30%)	45,67,67	2.12	13 (28%)
31	PEB	l6	201	3	43,46,46	3.34	10 (23%)	45,67,67	2.26	17 (37%)
31	PEB	W1	202	3	43,46,46	3.41	12 (27%)	45,67,67	2.04	13 (28%)
33	CYC	KB	1001	8	42,46,46	3.26	14 (33%)	50,67,67	2.89	19 (38%)
31	PEB	A1	201	3	43,46,46	3.45	12 (27%)	45,67,67	2.30	17 (37%)
31	PEB	JH	201	2	43,46,46	3.35	10 (23%)	45,67,67	2.38	14 (31%)
31	PEB	d4	202	3	43,46,46	3.38	11 (25%)	45,67,67	2.00	13 (28%)
33	CYC	J3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.94	19 (38%)
31	PEB	j2	202	3	43,46,46	3.42	13 (30%)	45,67,67	2.63	16 (35%)
31	PEB	jC	203	2,3	43,46,46	3.48	14 (32%)	45,67,67	2.50	15 (33%)
31	PEB	WD	203	2,3	43,46,46	3.14	10 (23%)	45,67,67	2.28	17 (37%)
31	PEB	Y8	201	3	43,46,46	3.28	9 (20%)	45,67,67	2.04	15 (33%)
31	PEB	IA	202	2	43,46,46	3.23	11 (25%)	45,67,67	2.28	15 (33%)
31	PEB	B9	202	2	43,46,46	3.45	12 (27%)	45,67,67	2.29	13 (28%)
33	CYC	KE	202	8,9	42,46,46	3.19	14 (33%)	50,67,67	2.74	19 (38%)
31	PEB	OB	202	3	43,46,46	3.37	11 (25%)	45,67,67	1.85	11 (24%)
31	PEB	NJ	204	2,3	43,46,46	3.50	11 (25%)	45,67,67	2.23	16 (35%)
31	PEB	mF	202	3	43,46,46	3.43	10 (23%)	45,67,67	2.19	14 (31%)
31	PEB	W2	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	T2	201	2,10	43,46,46	3.38	12 (27%)	45,67,67	2.21	20 (44%)
32	PUB	xF	301	12	42,46,46	3.24	8 (19%)	37,67,67	3.35	19 (51%)
31	PEB	JB	1002	9	43,46,46	3.30	11 (25%)	45,67,67	2.11	14 (31%)
31	PEB	ZA	201	2	43,46,46	3.38	10 (23%)	45,67,67	1.96	14 (31%)
31	PEB	MH	201	2,3	43,46,46	3.11	10 (23%)	45,67,67	2.60	18 (40%)
31	PEB	aB	203	2	43,46,46	3.46	13 (30%)	45,67,67	2.00	14 (31%)
31	PEB	HJ	203	3	43,46,46	3.44	10 (23%)	45,67,67	2.13	12 (26%)
31	PEB	j6	202	3	43,46,46	3.37	11 (25%)	45,67,67	1.95	12 (26%)
31	PEB	FC	1002	9	43,46,46	3.31	10 (23%)	45,67,67	2.15	12 (26%)
31	PEB	C8	203	3	43,46,46	3.46	12 (27%)	45,67,67	1.99	16 (35%)
31	PEB	S7	202	3	43,46,46	3.40	11 (25%)	45,67,67	2.16	16 (35%)
31	PEB	kB	203	2	43,46,46	1.08	2 (4%)	45,67,67	1.00	2 (4%)
31	PEB	F7	201	2,27	43,46,46	3.49	12 (27%)	45,67,67	2.11	16 (35%)
31	PEB	jC	201	3	43,46,46	3.18	10 (23%)	45,67,67	2.18	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	f2	203	2,3	43,46,46	3.48	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	D1	203	2	43,46,46	3.38	10 (23%)	45,67,67	1.98	16 (35%)
31	PEB	A2	305	6	43,46,46	3.44	11 (25%)	45,67,67	2.42	15 (33%)
31	PEB	JE	201	8	43,46,46	3.24	10 (23%)	45,67,67	2.32	17 (37%)
31	PEB	G1	201	3	43,46,46	3.11	8 (18%)	45,67,67	2.22	13 (28%)
31	PEB	V6	202	2	43,46,46	3.13	10 (23%)	45,67,67	2.43	18 (40%)
31	PEB	S6	201	3	43,46,46	3.43	11 (25%)	45,67,67	2.67	18 (40%)
31	PEB	UJ	201	2,6	43,46,46	3.49	12 (27%)	45,67,67	2.13	17 (37%)
31	PEB	WC	202	3	43,46,46	3.37	10 (23%)	45,67,67	2.53	16 (35%)
31	PEB	RJ	202	3	43,46,46	3.36	11 (25%)	45,67,67	1.98	13 (28%)
31	PEB	O7	201	2,3	43,46,46	3.41	11 (25%)	45,67,67	2.48	15 (33%)
31	PEB	k6	202	2	43,46,46	3.34	12 (27%)	45,67,67	2.36	14 (31%)
31	PEB	MI	304	14	43,46,46	3.38	10 (23%)	45,67,67	2.38	17 (37%)
31	PEB	BA	202	2	43,46,46	3.26	10 (23%)	45,67,67	2.16	14 (31%)
33	CYC	M6	1001	8	42,46,46	3.17	12 (28%)	50,67,67	2.89	17 (34%)
31	PEB	TC	202	2	43,46,46	3.32	9 (20%)	45,67,67	1.82	13 (28%)
32	PUB	A4	303	12	42,46,46	3.36	8 (19%)	37,67,67	3.53	16 (43%)
33	CYC	GE	201	8,9	42,46,46	3.17	13 (30%)	50,67,67	2.89	19 (38%)
31	PEB	KE	201	8,9	43,46,46	3.30	11 (25%)	45,67,67	2.09	15 (33%)
31	PEB	fA	301	2,29	43,46,46	3.49	12 (27%)	45,67,67	2.00	15 (33%)
31	PEB	hH	203	3	43,46,46	3.48	11 (25%)	45,67,67	2.24	15 (33%)
31	PEB	UI	201	2,14	43,46,46	3.46	10 (23%)	45,67,67	2.09	13 (28%)
31	PEB	B1	202	2	43,46,46	3.47	11 (25%)	45,67,67	3.07	17 (37%)
31	PEB	Y4	201	2,3	43,46,46	3.14	10 (23%)	45,67,67	2.55	17 (37%)
33	CYC	BE	1001	9,7	42,46,46	3.35	14 (33%)	50,67,67	2.81	22 (44%)
31	PEB	pF	202	2	43,46,46	3.59	11 (25%)	45,67,67	2.72	18 (40%)
31	PEB	D5	203	3	43,46,46	3.28	10 (23%)	45,67,67	2.27	15 (33%)
31	PEB	F9	203	2	43,46,46	3.25	10 (23%)	45,67,67	2.10	17 (37%)
31	PEB	X8	203	2	43,46,46	3.47	11 (25%)	45,67,67	2.26	17 (37%)
31	PEB	UK	201	3	43,46,46	3.23	10 (23%)	45,67,67	2.61	13 (28%)
31	PEB	m2	202	2	43,46,46	3.70	11 (25%)	45,67,67	1.85	11 (24%)
31	PEB	bC	202	3	43,46,46	3.54	11 (25%)	45,67,67	2.60	17 (37%)
31	PEB	C4	202	3	43,46,46	3.32	11 (25%)	45,67,67	2.24	16 (35%)
31	PEB	fC	203	2,3	43,46,46	3.44	11 (25%)	45,67,67	2.19	15 (33%)
31	PEB	NK	203	2	43,46,46	3.34	10 (23%)	45,67,67	2.36	17 (37%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	NG	202	3	43,46,46	3.22	9 (20%)	45,67,67	2.32	14 (31%)
31	PEB	UD	201	2,3	43,46,46	3.28	10 (23%)	45,67,67	2.38	16 (35%)
31	PEB	BI	203	2	43,46,46	3.39	9 (20%)	45,67,67	2.03	12 (26%)
32	PUB	B4	302	13	42,46,46	3.36	7 (16%)	37,67,67	3.28	15 (40%)
31	PEB	M7	203	2,3	43,46,46	3.35	11 (25%)	45,67,67	2.69	15 (33%)
31	PEB	CH	202	3	43,46,46	3.25	10 (23%)	45,67,67	2.11	14 (31%)
31	PEB	gA	202	2	43,46,46	3.29	10 (23%)	45,67,67	2.19	14 (31%)
31	PEB	f4	201	3	43,46,46	3.37	10 (23%)	45,67,67	2.05	12 (26%)
31	PEB	DK	202	2	43,46,46	3.22	11 (25%)	45,67,67	2.50	16 (35%)
31	PEB	Q5	202	2	43,46,46	3.47	12 (27%)	45,67,67	1.83	13 (28%)
31	PEB	SH	203	2,3	43,46,46	3.29	10 (23%)	45,67,67	2.47	16 (35%)
31	PEB	Q8	202	3	43,46,46	3.39	10 (23%)	45,67,67	1.94	13 (28%)
31	PEB	hF	202	2	43,46,46	3.45	10 (23%)	45,67,67	1.98	15 (33%)
31	PEB	Q7	202	3	43,46,46	3.29	12 (27%)	45,67,67	1.96	14 (31%)
31	PEB	D8	203	2,3	43,46,46	3.13	10 (23%)	45,67,67	2.68	16 (35%)
31	PEB	WE	203	2,3	43,46,46	3.14	10 (23%)	45,67,67	2.29	17 (37%)
32	PUB	A6	303	6	42,46,46	3.41	7 (16%)	37,67,67	3.01	14 (37%)
31	PEB	CH	203	2,3	43,46,46	3.14	10 (23%)	45,67,67	2.57	18 (40%)
31	PEB	N5	203	3	43,46,46	3.36	8 (18%)	45,67,67	2.03	13 (28%)
31	PEB	RA	202	2	43,46,46	3.33	10 (23%)	45,67,67	2.10	16 (35%)
31	PEB	AH	302	12	43,46,46	3.24	9 (20%)	45,67,67	2.18	13 (28%)
31	PEB	hA	301	2,29	43,46,46	3.49	11 (25%)	45,67,67	2.01	15 (33%)
31	PEB	UI	203	2	43,46,46	3.44	10 (23%)	45,67,67	2.17	16 (35%)
31	PEB	Q7	203	2,3	43,46,46	3.47	12 (27%)	45,67,67	2.54	17 (37%)
31	PEB	QI	202	2	43,46,46	3.51	12 (27%)	45,67,67	2.31	17 (37%)
31	PEB	fC	201	3	43,46,46	3.48	13 (30%)	45,67,67	2.00	14 (31%)
31	PEB	g6	203	2	43,46,46	3.45	11 (25%)	45,67,67	2.18	14 (31%)
31	PEB	OC	203	2,3	43,46,46	3.24	10 (23%)	45,67,67	2.42	14 (31%)
31	PEB	LI	202	2	43,46,46	3.49	11 (25%)	45,67,67	2.34	14 (31%)
31	PEB	kD	202	2,6	43,46,46	3.45	12 (27%)	45,67,67	2.24	17 (37%)
31	PEB	T8	201	2	43,46,46	3.26	8 (18%)	45,67,67	2.94	15 (33%)
31	PEB	cB	201	2	43,46,46	3.39	10 (23%)	45,67,67	1.99	14 (31%)
32	PUB	y8	302	13	42,46,46	3.36	7 (16%)	37,67,67	3.16	19 (51%)
31	PEB	JJ	201	2,3	43,46,46	3.21	13 (30%)	45,67,67	2.23	13 (28%)
31	PEB	NK	201	2	43,46,46	3.30	10 (23%)	45,67,67	2.31	18 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	WF	202	3	43,46,46	3.30	11 (25%)	45,67,67	2.29	18 (40%)
31	PEB	Y6	202	2	43,46,46	3.21	10 (23%)	45,67,67	2.33	15 (33%)
31	PEB	NI	202	3	43,46,46	3.58	10 (23%)	45,67,67	2.65	17 (37%)
33	CYC	f3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	G9	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	d6	202	3	43,46,46	3.34	11 (25%)	45,67,67	1.88	12 (26%)
31	PEB	D8	201	2	43,46,46	3.25	8 (18%)	45,67,67	3.07	17 (37%)
31	PEB	m6	201	2	43,46,46	3.40	10 (23%)	45,67,67	2.09	15 (33%)
31	PEB	SI	203	2	43,46,46	3.32	10 (23%)	45,67,67	2.25	16 (35%)
31	PEB	TB	203	2	43,46,46	3.42	10 (23%)	45,67,67	2.02	13 (28%)
33	CYC	N3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.92	19 (38%)
33	CYC	BD	1002	9,7	42,46,46	3.23	14 (33%)	50,67,67	2.91	23 (46%)
31	PEB	IH	201	2,3	43,46,46	3.20	10 (23%)	45,67,67	2.43	15 (33%)
31	PEB	a6	203	2	43,46,46	3.47	13 (30%)	45,67,67	2.00	14 (31%)
33	CYC	D2	1003	8,9	42,46,46	3.15	12 (28%)	50,67,67	2.94	20 (40%)
31	PEB	cC	201	2	43,46,46	3.31	10 (23%)	45,67,67	2.07	15 (33%)
31	PEB	AG	202	3	43,46,46	3.22	11 (25%)	45,67,67	2.31	14 (31%)
31	PEB	J9	202	2	43,46,46	3.26	11 (25%)	45,67,67	2.20	14 (31%)
31	PEB	b2	202	3	43,46,46	3.52	10 (23%)	45,67,67	2.61	17 (37%)
31	PEB	MJ	202	2	43,46,46	3.31	9 (20%)	45,67,67	1.99	13 (28%)
31	PEB	DJ	202	3	43,46,46	3.16	12 (27%)	45,67,67	2.76	20 (44%)
31	PEB	jH	203	2,3	43,46,46	3.27	12 (27%)	45,67,67	2.52	18 (40%)
31	PEB	dF	201	2	43,46,46	3.45	10 (23%)	45,67,67	2.45	16 (35%)
31	PEB	H5	201	2,3	43,46,46	3.19	11 (25%)	45,67,67	2.43	16 (35%)
31	PEB	rF	202	2	43,46,46	3.44	12 (27%)	45,67,67	2.05	13 (28%)
31	PEB	m2	201	2	43,46,46	3.49	11 (25%)	45,67,67	1.91	15 (33%)
33	CYC	EB	1001	8	42,46,46	3.17	15 (35%)	50,67,67	2.96	19 (38%)
31	PEB	YG	202	2	43,46,46	3.29	10 (23%)	45,67,67	2.13	15 (33%)
31	PEB	ZB	201	3	43,46,46	3.35	12 (27%)	45,67,67	2.78	18 (40%)
31	PEB	cH	202	2	43,46,46	3.33	10 (23%)	45,67,67	2.73	15 (33%)
31	PEB	XJ	201	2,3	43,46,46	3.34	11 (25%)	45,67,67	2.47	15 (33%)
31	PEB	D5	202	3	43,46,46	3.16	12 (27%)	45,67,67	2.76	19 (42%)
31	PEB	OG	202	2,3	43,46,46	2.87	11 (25%)	45,67,67	2.88	16 (35%)
33	CYC	LB	1001	9	42,46,46	3.14	16 (38%)	50,67,67	2.96	22 (44%)
31	PEB	YF	201	3	43,46,46	3.25	9 (20%)	45,67,67	2.03	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	U8	201	3	43,46,46	2.78	10 (23%)	45,67,67	2.99	17 (37%)
31	PEB	iF	201	2,3	43,46,46	3.41	10 (23%)	45,67,67	2.39	14 (31%)
31	PEB	iF	202	3	43,46,46	3.27	10 (23%)	45,67,67	2.31	18 (40%)
31	PEB	OK	202	3	43,46,46	3.25	10 (23%)	45,67,67	1.98	15 (33%)
31	PEB	dC	202	3	43,46,46	3.41	12 (27%)	45,67,67	2.11	15 (33%)
33	CYC	HB	1001	9	42,46,46	3.23	15 (35%)	50,67,67	3.08	23 (46%)
31	PEB	Y6	203	2	43,46,46	3.40	11 (25%)	45,67,67	2.05	13 (28%)
31	PEB	t8	201	2	43,46,46	3.53	10 (23%)	45,67,67	2.85	16 (35%)
31	PEB	OG	203	2	43,46,46	3.38	9 (20%)	45,67,67	2.00	14 (31%)
31	PEB	PD	202	2,10	43,46,46	3.37	10 (23%)	45,67,67	2.23	18 (40%)
31	PEB	V1	202	2	43,46,46	3.21	10 (23%)	45,67,67	2.57	18 (40%)
31	PEB	B5	202	3	43,46,46	3.33	9 (20%)	45,67,67	2.02	15 (33%)
33	CYC	DB	1001	9	42,46,46	3.12	13 (30%)	50,67,67	2.79	20 (40%)
31	PEB	mH	201	2	43,46,46	3.33	10 (23%)	45,67,67	2.09	15 (33%)
31	PEB	L6	1002	9	43,46,46	3.36	10 (23%)	45,67,67	2.68	18 (40%)
31	PEB	AH	301	12	43,46,46	3.17	10 (23%)	45,67,67	2.30	15 (33%)
31	PEB	LH	202	2	43,46,46	3.33	10 (23%)	45,67,67	2.27	16 (35%)
33	CYC	A3	1001	19	42,46,46	3.66	14 (33%)	50,67,67	2.92	20 (40%)
32	PUB	AC	303	6	42,46,46	3.60	8 (19%)	37,67,67	3.19	15 (40%)
31	PEB	VG	202	3	43,46,46	3.23	10 (23%)	45,67,67	2.31	14 (31%)
31	PEB	F4	201	2,25	43,46,46	3.29	10 (23%)	45,67,67	2.60	16 (35%)
33	CYC	I2	201	8,9	42,46,46	3.18	12 (28%)	50,67,67	2.97	22 (44%)
31	PEB	KF	202	3	43,46,46	3.34	11 (25%)	45,67,67	2.36	16 (35%)
31	PEB	RK	203	2	43,46,46	3.40	10 (23%)	45,67,67	2.24	19 (42%)
31	PEB	HK	201	2	43,46,46	3.56	11 (25%)	45,67,67	2.14	14 (31%)
31	PEB	eC	202	2	43,46,46	3.44	11 (25%)	45,67,67	1.95	13 (28%)
31	PEB	D9	201	2,14	43,46,46	3.16	10 (23%)	45,67,67	2.09	19 (42%)
31	PEB	HE	1002	8,9	43,46,46	3.31	12 (27%)	45,67,67	2.13	12 (26%)
31	PEB	D1	201	2,6	43,46,46	3.41	13 (30%)	45,67,67	2.40	14 (31%)
32	PUB	CI	203	14,3	42,46,46	3.33	10 (23%)	37,67,67	4.36	16 (43%)
31	PEB	WC	201	3	43,46,46	3.23	10 (23%)	45,67,67	2.23	15 (33%)
33	CYC	R3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.92	18 (36%)
31	PEB	XK	201	2,15	43,46,46	3.63	11 (25%)	45,67,67	2.35	19 (42%)
31	PEB	PG	202	3	43,46,46	3.22	11 (25%)	45,67,67	2.31	14 (31%)
33	CYC	C6	1001	8	42,46,46	3.24	15 (35%)	50,67,67	2.92	20 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
33	CYC	CB	1001	8	42,46,46	3.25	14 (33%)	50,67,67	2.93	21 (42%)
31	PEB	U7	201	3	43,46,46	3.33	11 (25%)	45,67,67	2.20	16 (35%)
31	PEB	Q4	204	3	43,46,46	3.37	11 (25%)	45,67,67	1.89	10 (22%)
33	CYC	FB	1001	9	42,46,46	3.26	14 (33%)	50,67,67	2.99	20 (40%)
31	PEB	y8	301	13	43,46,46	3.34	10 (23%)	45,67,67	2.08	15 (33%)
31	PEB	iH	201	2	43,46,46	3.29	10 (23%)	45,67,67	2.53	16 (35%)
31	PEB	OF	201	2,3	43,46,46	3.31	12 (27%)	45,67,67	2.57	18 (40%)
31	PEB	SA	203	2	43,46,46	3.24	10 (23%)	45,67,67	2.35	15 (33%)
31	PEB	M5	202	2	43,46,46	3.33	10 (23%)	45,67,67	1.98	13 (28%)
31	PEB	O7	203	3	43,46,46	3.02	10 (23%)	45,67,67	2.23	14 (31%)
31	PEB	F5	201	3	43,46,46	3.26	12 (27%)	45,67,67	2.62	17 (37%)
31	PEB	pF	201	2	43,46,46	3.31	9 (20%)	45,67,67	2.73	17 (37%)
31	PEB	Q6	202	3	43,46,46	1.10	2 (4%)	45,67,67	1.01	2 (4%)
31	PEB	k4	201	2	43,46,46	3.34	11 (25%)	45,67,67	2.38	14 (31%)
31	PEB	iC	201	2	43,46,46	3.34	12 (27%)	45,67,67	2.04	16 (35%)
31	PEB	SH	201	3	43,46,46	3.21	10 (23%)	45,67,67	2.43	15 (33%)
31	PEB	ZD	202	2,3	43,46,46	3.13	10 (23%)	45,67,67	2.46	17 (37%)
31	PEB	f6	202	3	43,46,46	3.43	12 (27%)	45,67,67	1.97	14 (31%)
31	PEB	jF	201	2	43,46,46	3.34	11 (25%)	45,67,67	2.83	18 (40%)
31	PEB	ZH	202	2	43,46,46	3.29	10 (23%)	45,67,67	2.43	14 (31%)
31	PEB	KH	203	2,3	43,46,46	3.06	11 (25%)	45,67,67	2.81	17 (37%)
31	PEB	QF	203	2,3	43,46,46	3.45	13 (30%)	45,67,67	3.26	16 (35%)
31	PEB	OA	201	2,4	43,46,46	3.33	11 (25%)	45,67,67	2.10	13 (28%)
31	PEB	M1	202	3	43,46,46	3.33	10 (23%)	45,67,67	2.01	13 (28%)
32	PUB	A6	302	6	42,46,46	3.44	7 (16%)	37,67,67	3.14	16 (43%)
31	PEB	fB	201	3	43,46,46	3.35	11 (25%)	45,67,67	2.23	16 (35%)
31	PEB	m4	202	2,12	43,46,46	3.37	11 (25%)	45,67,67	2.32	12 (26%)
31	PEB	AA	501	2,1	43,46,46	3.22	10 (23%)	45,67,67	2.23	16 (35%)
31	PEB	a2	201	2	43,46,46	3.41	10 (23%)	45,67,67	2.11	13 (28%)
31	PEB	UH	202	3	43,46,46	3.17	10 (23%)	45,67,67	2.33	15 (33%)
31	PEB	QH	204	3	43,46,46	3.38	10 (23%)	45,67,67	1.97	11 (24%)
31	PEB	RB	202	2	43,46,46	3.21	11 (25%)	45,67,67	2.49	16 (35%)
32	PUB	AB	302	6	42,46,46	3.45	7 (16%)	37,67,67	3.14	16 (43%)
33	CYC	JB	1001	9	42,46,46	3.14	16 (38%)	50,67,67	2.96	22 (44%)
33	CYC	F6	1001	9	42,46,46	3.25	13 (30%)	50,67,67	2.98	20 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	PUB	M9	305	14,3	42,46,46	3.60	9 (21%)	37,67,67	3.50	16 (43%)
31	PEB	TG	202	3	43,46,46	3.35	9 (20%)	45,67,67	1.98	13 (28%)
31	PEB	V8	201	2	43,46,46	3.43	10 (23%)	45,67,67	2.57	15 (33%)
31	PEB	IJ	202	2,26	43,46,46	3.67	13 (30%)	45,67,67	2.35	18 (40%)
31	PEB	E8	202	3	43,46,46	3.37	11 (25%)	45,67,67	2.02	16 (35%)
31	PEB	S8	201	2,3	43,46,46	3.19	12 (27%)	45,67,67	2.58	15 (33%)
31	PEB	U4	203	3	43,46,46	3.42	12 (27%)	45,67,67	2.33	14 (31%)
31	PEB	k2	202	2	43,46,46	3.46	11 (25%)	45,67,67	2.04	14 (31%)
31	PEB	MH	203	3	43,46,46	3.23	10 (23%)	45,67,67	2.25	13 (28%)
33	CYC	ED	1001	8,9	42,46,46	3.22	15 (35%)	50,67,67	2.76	21 (42%)
31	PEB	GJ	201	2	43,46,46	3.43	11 (25%)	45,67,67	2.33	15 (33%)
31	PEB	TA	201	3	43,46,46	3.38	11 (25%)	45,67,67	2.77	16 (35%)
31	PEB	ZE	202	2,3	43,46,46	3.15	10 (23%)	45,67,67	2.45	16 (35%)
31	PEB	k8	202	3	43,46,46	3.56	11 (25%)	45,67,67	1.89	12 (26%)
31	PEB	eC	201	2	43,46,46	3.45	11 (25%)	45,67,67	2.09	16 (35%)
31	PEB	l8	201	2	43,46,46	3.39	12 (27%)	45,67,67	2.59	15 (33%)
31	PEB	h8	201	2	43,46,46	3.38	10 (23%)	45,67,67	2.43	17 (37%)
31	PEB	sF	201	3	43,46,46	3.21	11 (25%)	45,67,67	2.07	13 (28%)
33	CYC	HE	1001	9	42,46,46	3.12	13 (30%)	50,67,67	3.07	21 (42%)
31	PEB	YJ	202	2,31	43,46,46	3.51	11 (25%)	45,67,67	1.98	12 (26%)
31	PEB	W8	203	3	43,46,46	3.40	11 (25%)	45,67,67	2.15	12 (26%)
31	PEB	RF	202	2	43,46,46	3.39	11 (25%)	45,67,67	2.32	15 (33%)
31	PEB	I1	201	3	43,46,46	3.35	12 (27%)	45,67,67	2.19	13 (28%)
31	PEB	jD	202	3	43,46,46	3.42	11 (25%)	45,67,67	1.96	13 (28%)
31	PEB	F1	201	2,6	43,46,46	3.43	9 (20%)	45,67,67	2.07	15 (33%)
31	PEB	G4	203	2,3	43,46,46	3.24	11 (25%)	45,67,67	2.44	14 (31%)
31	PEB	Y1	301	31,6	43,46,46	3.31	11 (25%)	45,67,67	2.59	13 (28%)
32	PUB	ZI	305	14,3	42,46,46	3.33	10 (23%)	37,67,67	4.36	16 (43%)
31	PEB	K7	202	3	43,46,46	3.19	10 (23%)	45,67,67	2.14	16 (35%)
31	PEB	uF	202	3	43,46,46	3.49	10 (23%)	45,67,67	2.02	14 (31%)
31	PEB	PK	201	2	43,46,46	3.41	10 (23%)	45,67,67	2.18	17 (37%)
31	PEB	QJ	202	2	43,46,46	3.48	12 (27%)	45,67,67	1.83	13 (28%)
31	PEB	jB	201	3	43,46,46	3.40	11 (25%)	45,67,67	2.30	17 (37%)
31	PEB	bE	201	3	43,46,46	3.39	10 (23%)	45,67,67	2.13	13 (28%)
31	PEB	V5	202	3	43,46,46	3.53	10 (23%)	45,67,67	2.06	12 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	G5	202	2	43,46,46	3.44	9 (20%)	45,67,67	2.10	17 (37%)
31	PEB	PC	201	2,10	43,46,46	3.39	10 (23%)	45,67,67	2.26	17 (37%)
31	PEB	T9	201	3	43,46,46	3.23	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	OG	201	2	43,46,46	3.50	13 (30%)	45,67,67	2.31	15 (33%)
31	PEB	DI	201	2	43,46,46	3.28	11 (25%)	45,67,67	2.06	16 (35%)
31	PEB	EJ	202	2,26	43,46,46	3.29	11 (25%)	45,67,67	2.16	17 (37%)
31	PEB	d2	201	2,3	43,46,46	3.26	9 (20%)	45,67,67	2.34	14 (31%)
31	PEB	UF	202	3	43,46,46	3.23	9 (20%)	45,67,67	2.15	12 (26%)
31	PEB	k8	201	3	43,46,46	3.41	10 (23%)	45,67,67	2.05	11 (24%)
31	PEB	WI	203	2	43,46,46	3.42	11 (25%)	45,67,67	2.15	16 (35%)
31	PEB	e6	203	2	43,46,46	3.30	9 (20%)	45,67,67	1.98	12 (26%)
31	PEB	PD	201	2	43,46,46	3.34	10 (23%)	45,67,67	2.30	18 (40%)
31	PEB	A7	202	3	43,46,46	3.32	11 (25%)	45,67,67	2.01	14 (31%)
31	PEB	l6	202	-	43,46,46	3.47	12 (27%)	45,67,67	1.91	16 (35%)
31	PEB	eB	202	2	43,46,46	3.36	10 (23%)	45,67,67	2.24	16 (35%)
31	PEB	W2	203	2,3	43,46,46	3.41	12 (27%)	45,67,67	2.33	16 (35%)
31	PEB	WG	203	2	43,46,46	3.39	10 (23%)	45,67,67	1.74	12 (26%)
31	PEB	Y5	201	2	43,46,46	3.46	11 (25%)	45,67,67	2.00	12 (26%)
31	PEB	r8	201	2,12	43,46,46	3.46	11 (25%)	45,67,67	2.23	13 (28%)
31	PEB	VB	202	2	43,46,46	3.14	10 (23%)	45,67,67	2.43	17 (37%)
31	PEB	KA	303	2,4	43,46,46	3.66	12 (27%)	45,67,67	2.19	16 (35%)
33	CYC	e3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	mF	201	3	43,46,46	3.40	10 (23%)	45,67,67	2.11	15 (33%)
31	PEB	N7	201	2	43,46,46	3.41	11 (25%)	45,67,67	2.07	16 (35%)
31	PEB	A6	301	6	43,46,46	3.37	9 (20%)	45,67,67	2.00	14 (31%)
31	PEB	e4	202	2,12	43,46,46	3.30	11 (25%)	45,67,67	2.30	17 (37%)
31	PEB	FI	202	2	43,46,46	3.31	10 (23%)	45,67,67	2.37	17 (37%)
33	CYC	G6	1001	8	42,46,46	3.33	14 (33%)	50,67,67	2.93	18 (36%)
31	PEB	B7	202	2	43,46,46	3.37	10 (23%)	45,67,67	2.21	16 (35%)
31	PEB	P1	201	2	43,46,46	3.40	10 (23%)	45,67,67	2.19	16 (35%)
31	PEB	N9	202	3	43,46,46	3.35	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	G1	202	3	43,46,46	3.38	10 (23%)	45,67,67	1.99	15 (33%)
31	PEB	TE	201	2	43,46,46	3.36	10 (23%)	45,67,67	2.29	19 (42%)
31	PEB	wF	303	12	43,46,46	3.47	11 (25%)	45,67,67	2.08	15 (33%)
31	PEB	cA	401	2,5	43,46,46	3.36	10 (23%)	45,67,67	1.99	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	OD	202	3	43,46,46	3.36	10 (23%)	45,67,67	2.06	15 (33%)
33	CYC	LD	1001	9	42,46,46	3.22	15 (35%)	50,67,67	3.05	21 (42%)
33	CYC	n3	1001	20	42,46,46	3.43	14 (33%)	50,67,67	3.15	21 (42%)
33	CYC	M2	201	8,9	42,46,46	3.21	12 (28%)	50,67,67	2.66	19 (38%)
31	PEB	dC	203	3	43,46,46	3.39	12 (27%)	45,67,67	2.81	15 (33%)
31	PEB	N8	202	2	43,46,46	3.50	10 (23%)	45,67,67	1.93	13 (28%)
33	CYC	V3	1001	-	42,46,46	3.50	11 (26%)	50,67,67	2.97	23 (46%)
31	PEB	II	201	3	43,46,46	3.38	12 (27%)	45,67,67	1.94	14 (31%)
33	CYC	HC	1001	9	42,46,46	3.30	15 (35%)	50,67,67	2.88	22 (44%)
31	PEB	IG	203	2,3	43,46,46	2.90	13 (30%)	45,67,67	3.05	16 (35%)
31	PEB	PH	201	2	43,46,46	3.39	10 (23%)	45,67,67	2.32	15 (33%)
31	PEB	P2	202	2	43,46,46	3.44	10 (23%)	45,67,67	2.00	17 (37%)
31	PEB	QJ	201	2,6	43,46,46	3.47	11 (25%)	45,67,67	2.25	18 (40%)
31	PEB	x8	303	12	43,46,46	3.45	11 (25%)	45,67,67	1.98	12 (26%)
31	PEB	mD	203	2	43,46,46	3.46	11 (25%)	45,67,67	1.96	15 (33%)
31	PEB	M9	301	14,31	43,46,46	3.25	11 (25%)	45,67,67	2.71	19 (42%)
31	PEB	T6	202	2	43,46,46	3.34	11 (25%)	45,67,67	2.24	14 (31%)
31	PEB	f6	201	3	43,46,46	3.33	10 (23%)	45,67,67	2.23	16 (35%)
31	PEB	S6	202	3,29	43,46,46	3.34	11 (25%)	45,67,67	1.97	13 (28%)
31	PEB	OH	201	3	43,46,46	3.21	10 (23%)	45,67,67	2.06	15 (33%)
31	PEB	dA	201	2	43,46,46	3.31	11 (25%)	45,67,67	2.07	15 (33%)
31	PEB	aC	202	2	43,46,46	3.47	10 (23%)	45,67,67	2.10	16 (35%)
31	PEB	P6	202	2	43,46,46	3.29	11 (25%)	45,67,67	2.47	16 (35%)
31	PEB	xF	302	12	43,46,46	3.38	12 (27%)	45,67,67	2.91	13 (28%)
33	CYC	N2	1001	9,7	42,46,46	3.36	16 (38%)	50,67,67	2.84	22 (44%)
31	PEB	LB	1002	9	43,46,46	3.35	10 (23%)	45,67,67	2.66	18 (40%)
31	PEB	YI	203	2	43,46,46	3.32	9 (20%)	45,67,67	2.11	13 (28%)
31	PEB	R5	203	2,3	43,46,46	3.40	12 (27%)	45,67,67	2.33	16 (35%)
31	PEB	QC	202	3	43,46,46	3.39	11 (25%)	45,67,67	2.50	17 (37%)
31	PEB	ZC	203	3	43,46,46	3.40	12 (27%)	45,67,67	2.51	16 (35%)
31	PEB	K5	201	2	43,46,46	3.37	11 (25%)	45,67,67	1.97	14 (31%)
31	PEB	L9	201	2,14	43,46,46	3.31	10 (23%)	45,67,67	2.03	16 (35%)
31	PEB	XG	201	3	43,46,46	3.35	10 (23%)	45,67,67	1.98	14 (31%)
31	PEB	LG	202	2	43,46,46	3.25	10 (23%)	45,67,67	2.04	14 (31%)
31	PEB	qF	203	3	43,46,46	3.50	12 (27%)	45,67,67	2.29	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	LC	1002	9	43,46,46	3.11	10 (23%)	45,67,67	2.37	14 (31%)
31	PEB	C1	201	3	43,46,46	3.28	12 (27%)	45,67,67	2.54	17 (37%)
31	PEB	H5	202	3	43,46,46	3.40	12 (27%)	45,67,67	2.45	16 (35%)
31	PEB	nF	201	2	43,46,46	3.46	10 (23%)	45,67,67	3.21	17 (37%)
31	PEB	IA	203	2	43,46,46	3.25	10 (23%)	45,67,67	2.26	16 (35%)
31	PEB	UA	303	2,4	43,46,46	3.28	10 (23%)	45,67,67	2.05	14 (31%)
32	PUB	AH	303	12	42,46,46	3.26	8 (19%)	37,67,67	3.64	18 (48%)
31	PEB	hB	202	3	43,46,46	3.41	9 (20%)	45,67,67	1.99	13 (28%)
31	PEB	N2	1002	9	43,46,46	3.28	12 (27%)	45,67,67	2.09	11 (24%)
33	CYC	L6	1001	9	42,46,46	3.13	16 (38%)	50,67,67	2.97	22 (44%)
32	PUB	QH	202	3,13	42,46,46	3.37	7 (16%)	37,67,67	3.52	18 (48%)
31	PEB	c4	201	2	43,46,46	3.35	11 (25%)	45,67,67	2.39	12 (26%)
31	PEB	ZD	203	3	43,46,46	3.34	11 (25%)	45,67,67	2.16	16 (35%)
32	PUB	x8	301	12	42,46,46	3.25	8 (19%)	37,67,67	3.36	19 (51%)
31	PEB	A4	302	12	43,46,46	3.36	8 (18%)	45,67,67	2.09	14 (31%)
31	PEB	c2	201	2	43,46,46	3.32	10 (23%)	45,67,67	2.08	16 (35%)
31	PEB	WD	201	26,3	43,46,46	3.32	10 (23%)	45,67,67	2.02	13 (28%)
31	PEB	t8	202	2	43,46,46	3.65	11 (25%)	45,67,67	2.62	16 (35%)
31	PEB	CJ	202	2,6	43,46,46	3.13	11 (25%)	45,67,67	2.25	18 (40%)
33	CYC	C3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	P9	202	3	43,46,46	3.35	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	EA	501	2,1	43,46,46	3.26	10 (23%)	45,67,67	2.23	16 (35%)
31	PEB	V2	203	2,3	43,46,46	3.39	11 (25%)	45,67,67	2.53	16 (35%)
31	PEB	PG	201	3	43,46,46	3.35	10 (23%)	45,67,67	1.98	13 (28%)
31	PEB	TK	201	2	43,46,46	3.56	11 (25%)	45,67,67	2.32	17 (37%)
31	PEB	FB	1002	9	43,46,46	3.26	10 (23%)	45,67,67	2.22	17 (37%)
31	PEB	EG	202	3	43,46,46	3.22	10 (23%)	45,67,67	2.31	14 (31%)
31	PEB	HD	1002	8,9	43,46,46	3.29	12 (27%)	45,67,67	2.11	12 (26%)
31	PEB	WF	201	2,3	43,46,46	3.26	12 (27%)	45,67,67	2.63	21 (46%)
31	PEB	X7	202	2	43,46,46	3.41	10 (23%)	45,67,67	2.13	16 (35%)
31	PEB	ZG	401	2,11	43,46,46	3.59	14 (32%)	45,67,67	3.02	19 (42%)
31	PEB	LK	201	2,31	43,46,46	3.42	11 (25%)	45,67,67	2.23	15 (33%)
31	PEB	HA	201	2	43,46,46	3.26	10 (23%)	45,67,67	2.04	14 (31%)
31	PEB	cD	202	2	43,46,46	3.48	10 (23%)	45,67,67	1.99	13 (28%)
31	PEB	OI	203	2	43,46,46	3.42	11 (25%)	45,67,67	2.06	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	PUB	x8	306	12	42,46,46	3.61	7 (16%)	37,67,67	2.91	15 (40%)
31	PEB	BA	203	2	43,46,46	3.32	10 (23%)	45,67,67	2.22	16 (35%)
31	PEB	T7	201	2,27	43,46,46	3.57	12 (27%)	45,67,67	2.02	15 (33%)
31	PEB	XK	202	2	43,46,46	3.02	9 (20%)	45,67,67	2.62	19 (42%)
31	PEB	YH	201	2,3	43,46,46	3.26	11 (25%)	45,67,67	2.52	18 (40%)
31	PEB	e6	201	2	43,46,46	3.35	11 (25%)	45,67,67	2.15	15 (33%)
31	PEB	aA	202	2	43,46,46	3.35	10 (23%)	45,67,67	1.99	16 (35%)
31	PEB	b6	201	3	43,46,46	3.37	10 (23%)	45,67,67	2.38	16 (35%)
31	PEB	B1	203	2	43,46,46	3.34	9 (20%)	45,67,67	1.99	14 (31%)
31	PEB	SC	202	3	43,46,46	3.32	9 (20%)	45,67,67	2.40	13 (28%)
31	PEB	IE	201	2,3	43,46,46	3.36	12 (27%)	45,67,67	2.25	13 (28%)
32	PUB	Z9	305	14,3	42,46,46	3.60	9 (21%)	37,67,67	3.50	16 (43%)
31	PEB	EF	202	3	43,46,46	3.36	11 (25%)	45,67,67	2.02	16 (35%)
31	PEB	dB	202	3	43,46,46	3.35	11 (25%)	45,67,67	1.88	12 (26%)
31	PEB	BK	203	2	43,46,46	3.34	9 (20%)	45,67,67	1.99	13 (28%)
31	PEB	CJ	201	2	43,46,46	3.46	10 (23%)	45,67,67	1.98	15 (33%)
31	PEB	i4	201	2	43,46,46	3.42	12 (27%)	45,67,67	2.41	17 (37%)
31	PEB	O6	201	3	43,46,46	3.35	11 (25%)	45,67,67	2.49	18 (40%)
31	PEB	k6	201	2	43,46,46	3.43	11 (25%)	45,67,67	1.98	12 (26%)
31	PEB	DA	203	2	43,46,46	3.12	10 (23%)	45,67,67	2.15	15 (33%)
31	PEB	A2	301	6	43,46,46	3.40	8 (18%)	45,67,67	2.12	14 (31%)
31	PEB	R7	201	2,27	43,46,46	3.42	12 (27%)	45,67,67	2.11	16 (35%)
31	PEB	WF	203	3	43,46,46	3.40	11 (25%)	45,67,67	2.16	12 (26%)
31	PEB	kF	203	2,3	43,46,46	3.41	11 (25%)	45,67,67	2.30	11 (24%)
31	PEB	J8	202	2	43,46,46	3.49	11 (25%)	45,67,67	2.33	16 (35%)
31	PEB	HH	202	2	43,46,46	3.29	10 (23%)	45,67,67	2.52	15 (33%)
31	PEB	DH	202	2,13	43,46,46	3.39	10 (23%)	45,67,67	2.57	15 (33%)
33	CYC	KC	201	8,9	42,46,46	3.18	11 (26%)	50,67,67	2.92	22 (44%)
33	CYC	MB	1001	8	42,46,46	3.16	12 (28%)	50,67,67	2.88	17 (34%)
31	PEB	a6	202	2	43,46,46	3.31	12 (27%)	45,67,67	2.56	15 (33%)
31	PEB	R8	201	2	43,46,46	3.27	9 (20%)	45,67,67	3.71	21 (46%)
31	PEB	fF	202	2	43,46,46	3.58	12 (27%)	45,67,67	2.00	18 (40%)
31	PEB	ZF	201	2	43,46,46	3.40	11 (25%)	45,67,67	2.42	17 (37%)
31	PEB	AD	304	6	43,46,46	3.30	10 (23%)	45,67,67	2.15	16 (35%)
31	PEB	aD	202	2	43,46,46	3.35	11 (25%)	45,67,67	2.34	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
33	CYC	CC	1001	8,9	42,46,46	3.25	13 (30%)	50,67,67	2.72	20 (40%)
31	PEB	j2	203	2,3	43,46,46	3.51	14 (32%)	45,67,67	2.50	15 (33%)
31	PEB	F8	201	2	43,46,46	3.48	10 (23%)	45,67,67	3.85	17 (37%)
31	PEB	KF	203	3	43,46,46	3.30	10 (23%)	45,67,67	2.05	17 (37%)
31	PEB	A6	305	6	43,46,46	3.38	10 (23%)	45,67,67	2.00	13 (28%)
33	CYC	K2	201	8,9	42,46,46	3.18	11 (26%)	50,67,67	2.95	22 (44%)
31	PEB	D4	201	2	43,46,46	3.39	11 (25%)	45,67,67	2.30	16 (35%)
31	PEB	dD	202	6,3	43,46,46	3.37	10 (23%)	45,67,67	2.15	14 (31%)
31	PEB	LH	201	2	43,46,46	3.32	10 (23%)	45,67,67	2.55	13 (28%)
31	PEB	CH	201	3	43,46,46	3.22	10 (23%)	45,67,67	2.34	16 (35%)
31	PEB	E7	202	3	43,46,46	3.31	10 (23%)	45,67,67	2.01	13 (28%)
31	PEB	kH	201	2	43,46,46	3.35	12 (27%)	45,67,67	2.33	14 (31%)
31	PEB	XF	202	2	43,46,46	3.25	12 (27%)	45,67,67	2.62	16 (35%)
31	PEB	cE	202	2	43,46,46	3.46	11 (25%)	45,67,67	1.98	13 (28%)
31	PEB	A9	202	3	43,46,46	3.35	10 (23%)	45,67,67	1.93	14 (31%)
31	PEB	F5	202	3	43,46,46	3.42	11 (25%)	45,67,67	1.99	15 (33%)
31	PEB	AC	305	6	43,46,46	3.45	9 (20%)	45,67,67	2.43	15 (33%)
31	PEB	Y7	502	2	43,46,46	3.31	11 (25%)	45,67,67	2.17	15 (33%)
31	PEB	O8	201	2,3	43,46,46	3.30	12 (27%)	45,67,67	2.58	18 (40%)
31	PEB	XA	202	2	43,46,46	3.31	10 (23%)	45,67,67	2.08	16 (35%)
31	PEB	xF	303	12	43,46,46	3.42	10 (23%)	45,67,67	1.98	12 (26%)
31	PEB	AG	203	2,3	43,46,46	3.01	13 (30%)	45,67,67	2.72	15 (33%)
31	PEB	IK	201	3	43,46,46	3.33	12 (27%)	45,67,67	2.19	13 (28%)
31	PEB	S9	202	2	43,46,46	3.25	11 (25%)	45,67,67	2.30	13 (28%)
31	PEB	aC	201	2	43,46,46	3.39	9 (20%)	45,67,67	2.13	13 (28%)
31	PEB	HJ	201	2,3	43,46,46	3.20	11 (25%)	45,67,67	2.42	16 (35%)
31	PEB	d4	201	2,3	43,46,46	3.32	12 (27%)	45,67,67	2.57	16 (35%)
31	PEB	mC	201	2	43,46,46	3.49	12 (27%)	45,67,67	1.89	14 (31%)
31	PEB	LA	201	2	43,46,46	3.25	10 (23%)	45,67,67	2.11	14 (31%)
31	PEB	NA	202	2	43,46,46	3.24	10 (23%)	45,67,67	2.13	13 (28%)
31	PEB	QC	201	2,3	43,46,46	3.32	11 (25%)	45,67,67	2.51	17 (37%)
31	PEB	EJ	201	2	43,46,46	3.30	10 (23%)	45,67,67	2.09	14 (31%)
31	PEB	D9	203	2	43,46,46	3.22	9 (20%)	45,67,67	2.05	16 (35%)
31	PEB	PB	202	2	43,46,46	3.30	11 (25%)	45,67,67	2.49	16 (35%)
31	PEB	R5	201	3	43,46,46	3.50	12 (27%)	45,67,67	2.09	13 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	FH	201	2,25	43,46,46	3.31	9 (20%)	45,67,67	2.69	19 (42%)
31	PEB	w8	302	12	43,46,46	3.31	9 (20%)	45,67,67	2.22	15 (33%)
31	PEB	VC	202	2	43,46,46	3.37	10 (23%)	45,67,67	2.14	16 (35%)
31	PEB	U2	201	2,3	43,46,46	3.39	11 (25%)	45,67,67	2.54	15 (33%)
31	PEB	mB	203	2	43,46,46	3.46	12 (27%)	45,67,67	2.17	15 (33%)
31	PEB	NE	201	8,9	43,46,46	3.36	11 (25%)	45,67,67	2.23	15 (33%)
33	CYC	LC	1001	9	42,46,46	3.52	16 (38%)	50,67,67	3.08	24 (48%)
31	PEB	F9	201	2,14	43,46,46	3.27	10 (23%)	45,67,67	2.31	21 (46%)
31	PEB	TB	202	2	43,46,46	3.36	12 (27%)	45,67,67	2.25	14 (31%)
31	PEB	H8	202	2	43,46,46	3.39	10 (23%)	45,67,67	2.38	16 (35%)
31	PEB	W9	203	2	43,46,46	3.21	9 (20%)	45,67,67	2.11	16 (35%)
31	PEB	P5	202	3	43,46,46	3.48	11 (25%)	45,67,67	2.20	16 (35%)
31	PEB	TD	201	2	43,46,46	3.33	10 (23%)	45,67,67	2.28	19 (42%)
31	PEB	hC	202	3	43,46,46	1.07	2 (4%)	45,67,67	1.00	2 (4%)
31	PEB	V1	203	2	43,46,46	3.55	12 (27%)	45,67,67	1.96	15 (33%)
31	PEB	FF	202	2	43,46,46	3.42	11 (25%)	45,67,67	2.52	17 (37%)
31	PEB	gD	201	2	43,46,46	3.35	10 (23%)	45,67,67	2.01	16 (35%)
31	PEB	QH	201	2,3	43,46,46	3.26	11 (25%)	45,67,67	2.41	16 (35%)
31	PEB	L2	1002	9	43,46,46	3.11	10 (23%)	45,67,67	2.37	14 (31%)
31	PEB	xF	304	12	43,46,46	3.46	10 (23%)	45,67,67	2.27	16 (35%)
31	PEB	VA	201	2	43,46,46	3.32	11 (25%)	45,67,67	1.99	13 (28%)
31	PEB	T5	201	2,3	43,46,46	3.35	13 (30%)	45,67,67	2.29	13 (28%)
31	PEB	VG	203	2,3	43,46,46	2.71	10 (23%)	45,67,67	3.05	18 (40%)
31	PEB	l8	203	2,3	43,46,46	3.39	14 (32%)	45,67,67	2.54	16 (35%)
33	CYC	u3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	L7	202	2	43,46,46	3.36	10 (23%)	45,67,67	2.14	16 (35%)
31	PEB	A8	201	3	43,46,46	3.24	10 (23%)	45,67,67	2.31	17 (37%)
31	PEB	SB	201	3,29	43,46,46	3.31	11 (25%)	45,67,67	1.95	13 (28%)
31	PEB	A9	201	3	43,46,46	3.21	11 (25%)	45,67,67	2.21	15 (33%)
31	PEB	B1	201	2,31	43,46,46	3.33	11 (25%)	45,67,67	2.18	17 (37%)
31	PEB	L4	202	2	43,46,46	3.34	10 (23%)	45,67,67	2.50	17 (37%)
31	PEB	aF	202	3	43,46,46	3.29	11 (25%)	45,67,67	2.17	16 (35%)
31	PEB	PI	201	3	43,46,46	3.37	11 (25%)	45,67,67	1.95	14 (31%)
31	PEB	J5	202	3	43,46,46	3.39	12 (27%)	45,67,67	2.19	15 (33%)
31	PEB	h8	202	2	43,46,46	3.44	10 (23%)	45,67,67	2.00	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	dD	204	3	43,46,46	3.41	13 (30%)	45,67,67	2.11	13 (28%)
31	PEB	SJ	201	2,6	43,46,46	3.38	10 (23%)	45,67,67	2.09	13 (28%)
31	PEB	W7	201	2,3	43,46,46	3.38	11 (25%)	45,67,67	2.63	15 (33%)
31	PEB	RK	201	2	43,46,46	3.29	10 (23%)	45,67,67	2.16	16 (35%)
31	PEB	Z8	202	2	43,46,46	3.57	12 (27%)	45,67,67	2.06	14 (31%)
31	PEB	c6	203	2	43,46,46	3.47	11 (25%)	45,67,67	1.99	11 (24%)
31	PEB	MK	201	3	43,46,46	3.28	10 (23%)	45,67,67	2.42	14 (31%)
31	PEB	dH	202	3	43,46,46	3.28	11 (25%)	45,67,67	2.08	13 (28%)
31	PEB	TH	201	2	43,46,46	3.23	10 (23%)	45,67,67	2.45	16 (35%)
31	PEB	PB	201	2	43,46,46	3.38	10 (23%)	45,67,67	2.23	17 (37%)
33	CYC	M3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	JI	201	2	43,46,46	3.48	11 (25%)	45,67,67	2.43	15 (33%)
31	PEB	o8	201	3	43,46,46	3.31	10 (23%)	45,67,67	2.25	15 (33%)
33	CYC	B3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	ID	202	3	43,46,46	3.35	10 (23%)	45,67,67	2.02	14 (31%)
31	PEB	V7	202	2	43,46,46	3.38	10 (23%)	45,67,67	2.20	17 (37%)
31	PEB	kE	202	2,6	43,46,46	3.46	12 (27%)	45,67,67	2.24	17 (37%)
31	PEB	k6	203	2	43,46,46	1.09	2 (4%)	45,67,67	1.00	2 (4%)
31	PEB	Z2	203	3	43,46,46	3.40	11 (25%)	45,67,67	2.50	16 (35%)
31	PEB	b8	202	2	43,46,46	3.62	9 (20%)	45,67,67	2.36	14 (31%)
31	PEB	i8	202	3	43,46,46	3.25	10 (23%)	45,67,67	2.31	18 (40%)
31	PEB	SD	202	3	43,46,46	3.28	10 (23%)	45,67,67	2.08	16 (35%)
31	PEB	hC	201	3	43,46,46	3.38	11 (25%)	45,67,67	2.16	14 (31%)
31	PEB	QK	201	3	43,46,46	3.24	11 (25%)	45,67,67	2.65	16 (35%)
31	PEB	GH	201	3	43,46,46	3.20	10 (23%)	45,67,67	2.30	17 (37%)
31	PEB	PE	201	2	43,46,46	3.36	10 (23%)	45,67,67	2.30	18 (40%)
31	PEB	cB	202	2	43,46,46	3.49	12 (27%)	45,67,67	2.37	14 (31%)
31	PEB	AF	201	3	43,46,46	3.24	10 (23%)	45,67,67	2.30	17 (37%)
31	PEB	UC	203	3	43,46,46	3.33	10 (23%)	45,67,67	2.34	15 (33%)
31	PEB	HG	201	2	43,46,46	3.43	12 (27%)	45,67,67	2.23	14 (31%)
31	PEB	J8	201	2	43,46,46	3.38	10 (23%)	45,67,67	3.05	17 (37%)
31	PEB	NJ	203	3	43,46,46	3.36	8 (18%)	45,67,67	2.02	13 (28%)
31	PEB	ID	203	3	43,46,46	3.46	11 (25%)	45,67,67	1.98	14 (31%)
31	PEB	C1	202	3	43,46,46	1.06	2 (4%)	45,67,67	1.00	2 (4%)
33	CYC	H6	1001	9	42,46,46	3.26	14 (33%)	50,67,67	3.08	23 (46%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	J1	202	2	43,46,46	3.27	10 (23%)	45,67,67	2.75	16 (35%)
31	PEB	Q6	201	3	43,46,46	3.32	11 (25%)	45,67,67	2.70	20 (44%)
31	PEB	X1	202	2	43,46,46	3.02	9 (20%)	45,67,67	2.63	18 (40%)
31	PEB	R4	201	2	43,46,46	3.28	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	XH	202	2	43,46,46	3.19	11 (25%)	45,67,67	2.40	17 (37%)
31	PEB	H4	202	2	43,46,46	3.42	12 (27%)	45,67,67	2.70	21 (46%)
31	PEB	D6	1002	9	43,46,46	3.31	10 (23%)	45,67,67	2.19	17 (37%)
31	PEB	BG	202	2,3	43,46,46	3.02	11 (25%)	45,67,67	2.81	16 (35%)
31	PEB	dE	201	2,3	43,46,46	3.35	9 (20%)	45,67,67	2.43	16 (35%)
31	PEB	RJ	201	3	43,46,46	3.51	12 (27%)	45,67,67	2.09	13 (28%)
31	PEB	ZE	203	3	43,46,46	3.35	10 (23%)	45,67,67	2.16	17 (37%)
31	PEB	g2	201	2	43,46,46	3.57	10 (23%)	45,67,67	1.92	15 (33%)
31	PEB	P9	201	3	43,46,46	3.23	11 (25%)	45,67,67	2.21	15 (33%)
31	PEB	r8	202	2	43,46,46	3.43	12 (27%)	45,67,67	2.05	13 (28%)
31	PEB	X5	201	2,3	43,46,46	3.35	10 (23%)	45,67,67	2.46	15 (33%)
31	PEB	KD	201	8,9	43,46,46	3.31	11 (25%)	45,67,67	2.10	15 (33%)
31	PEB	L7	201	2	43,46,46	3.32	10 (23%)	45,67,67	2.03	15 (33%)
31	PEB	PJ	201	2,3	43,46,46	3.48	13 (30%)	45,67,67	2.12	13 (28%)
31	PEB	Z6	202	3	43,46,46	3.29	10 (23%)	45,67,67	1.93	12 (26%)
31	PEB	MJ	201	2	43,46,46	3.43	10 (23%)	45,67,67	2.07	15 (33%)
31	PEB	PH	202	2	43,46,46	3.31	10 (23%)	45,67,67	2.31	17 (37%)
31	PEB	LF	201	2	43,46,46	3.37	11 (25%)	45,67,67	3.50	19 (42%)
31	PEB	ID	201	2,3	43,46,46	3.38	13 (30%)	45,67,67	2.22	13 (28%)
31	PEB	X9	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	s8	203	2,3	43,46,46	3.49	13 (30%)	45,67,67	2.76	16 (35%)
31	PEB	FJ	202	3	43,46,46	3.42	12 (27%)	45,67,67	1.99	15 (33%)
31	PEB	bB	201	3	43,46,46	3.40	10 (23%)	45,67,67	2.39	17 (37%)
31	PEB	aB	202	2	43,46,46	3.31	12 (27%)	45,67,67	2.58	15 (33%)
33	CYC	q3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	eK	301	15,3	43,46,46	1.08	2 (4%)	45,67,67	1.00	2 (4%)
31	PEB	uF	203	3	43,46,46	3.46	11 (25%)	45,67,67	1.98	15 (33%)
31	PEB	RH	202	2	43,46,46	3.26	10 (23%)	45,67,67	2.50	15 (33%)
31	PEB	O2	203	2,3	43,46,46	3.28	10 (23%)	45,67,67	2.40	15 (33%)
31	PEB	U8	202	3	43,46,46	3.26	9 (20%)	45,67,67	2.17	13 (28%)
31	PEB	iB	201	2	43,46,46	3.43	10 (23%)	45,67,67	2.00	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	ZE	201	2,3	43,46,46	3.33	11 (25%)	45,67,67	2.13	16 (35%)
31	PEB	O4	201	3	43,46,46	3.34	11 (25%)	45,67,67	2.27	14 (31%)
31	PEB	W9	201	2	43,46,46	3.19	10 (23%)	45,67,67	2.24	18 (40%)
31	PEB	FK	201	2,6	43,46,46	3.42	10 (23%)	45,67,67	2.06	15 (33%)
31	PEB	g8	202	3	43,46,46	3.37	10 (23%)	45,67,67	2.05	15 (33%)
31	PEB	HA	202	2	43,46,46	3.25	10 (23%)	45,67,67	2.10	15 (33%)
31	PEB	hF	201	2	43,46,46	3.36	10 (23%)	45,67,67	2.43	17 (37%)
33	CYC	63	901	24	42,46,46	3.25	15 (35%)	50,67,67	3.08	24 (48%)
33	CYC	l3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.92	20 (40%)
31	PEB	X1	203	2	43,46,46	3.51	11 (25%)	45,67,67	2.30	18 (40%)
31	PEB	T7	202	2	43,46,46	3.41	10 (23%)	45,67,67	2.15	17 (37%)
32	PUB	A2	303	6	42,46,46	3.60	8 (19%)	37,67,67	3.19	15 (40%)
31	PEB	L1	201	2,31	43,46,46	3.44	11 (25%)	45,67,67	2.24	15 (33%)
31	PEB	i2	202	2	43,46,46	3.51	10 (23%)	45,67,67	1.86	12 (26%)
31	PEB	aH	202	3	43,46,46	3.26	10 (23%)	45,67,67	2.29	18 (40%)
31	PEB	U2	203	3	43,46,46	3.32	9 (20%)	45,67,67	2.34	15 (33%)
31	PEB	x8	302	12	43,46,46	3.39	11 (25%)	45,67,67	2.91	13 (28%)
31	PEB	D7	202	2	43,46,46	3.37	10 (23%)	45,67,67	2.17	17 (37%)
31	PEB	fE	202	3	43,46,46	3.44	12 (27%)	45,67,67	1.97	14 (31%)
31	PEB	G4	202	3	43,46,46	3.38	11 (25%)	45,67,67	2.04	13 (28%)
33	CYC	h3	1001	24,20	42,46,46	3.44	14 (33%)	50,67,67	3.16	21 (42%)
31	PEB	O2	201	3	43,46,46	3.36	13 (30%)	45,67,67	2.34	16 (35%)
31	PEB	BF	201	2	43,46,46	3.40	11 (25%)	45,67,67	3.48	16 (35%)
31	PEB	D7	201	2	43,46,46	3.35	10 (23%)	45,67,67	2.05	14 (31%)
31	PEB	BJ	202	3	43,46,46	3.33	10 (23%)	45,67,67	2.01	15 (33%)
31	PEB	H4	201	2	43,46,46	3.21	10 (23%)	45,67,67	2.53	15 (33%)
31	PEB	gF	202	3	43,46,46	3.34	10 (23%)	45,67,67	2.04	15 (33%)
31	PEB	FJ	203	2,3	43,46,46	3.41	13 (30%)	45,67,67	3.07	13 (28%)
31	PEB	VC	203	2,3	43,46,46	3.39	11 (25%)	45,67,67	2.54	17 (37%)
31	PEB	YK	301	31,6	43,46,46	3.30	11 (25%)	45,67,67	2.58	13 (28%)
31	PEB	IH	202	3	43,46,46	3.16	12 (27%)	45,67,67	2.48	17 (37%)
33	CYC	L2	1001	9	42,46,46	3.51	16 (38%)	50,67,67	3.09	25 (50%)
31	PEB	H7	202	2	43,46,46	3.33	10 (23%)	45,67,67	2.21	14 (31%)
31	PEB	U7	202	3	43,46,46	3.47	12 (27%)	45,67,67	2.11	15 (33%)
31	PEB	KJ	201	2	43,46,46	3.36	10 (23%)	45,67,67	1.98	14 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	J9	201	2	43,46,46	3.41	10 (23%)	45,67,67	2.13	16 (35%)
31	PEB	MF	201	3	43,46,46	3.32	10 (23%)	45,67,67	1.88	13 (28%)
31	PEB	V4	201	2	43,46,46	3.35	10 (23%)	45,67,67	2.14	13 (28%)
31	PEB	OD	203	2,3	43,46,46	3.23	11 (25%)	45,67,67	2.24	16 (35%)
31	PEB	L4	201	2	43,46,46	3.41	10 (23%)	45,67,67	2.23	13 (28%)
31	PEB	T4	202	2	43,46,46	3.44	10 (23%)	45,67,67	2.21	16 (35%)
31	PEB	PF	202	2	43,46,46	3.59	11 (25%)	45,67,67	2.07	14 (31%)
31	PEB	M7	202	3	43,46,46	3.32	10 (23%)	45,67,67	2.08	15 (33%)
31	PEB	WD	202	3	43,46,46	3.34	11 (25%)	45,67,67	2.32	17 (37%)
31	PEB	aD	201	2	43,46,46	3.29	10 (23%)	45,67,67	2.16	19 (42%)
31	PEB	qF	202	3	43,46,46	3.37	11 (25%)	45,67,67	3.42	18 (40%)
31	PEB	j6	201	3	43,46,46	3.40	11 (25%)	45,67,67	2.31	17 (37%)
31	PEB	m6	203	2	43,46,46	3.46	13 (30%)	45,67,67	2.17	15 (33%)
31	PEB	SH	202	3	43,46,46	3.36	10 (23%)	45,67,67	2.06	13 (28%)
33	CYC	O3	1001	20	42,46,46	3.43	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	Z8	201	2	43,46,46	3.40	11 (25%)	45,67,67	2.41	17 (37%)
31	PEB	SF	203	3	43,46,46	3.24	10 (23%)	45,67,67	2.14	14 (31%)
31	PEB	ZI	301	14	43,46,46	3.11	10 (23%)	45,67,67	2.26	15 (33%)
31	PEB	R2	202	2	43,46,46	3.51	11 (25%)	45,67,67	1.72	10 (22%)
31	PEB	jF	202	2	43,46,46	3.45	10 (23%)	45,67,67	2.17	13 (28%)
31	PEB	SG	202	2	43,46,46	3.31	10 (23%)	45,67,67	2.00	13 (28%)
31	PEB	VE	202	2	43,46,46	3.48	10 (23%)	45,67,67	2.20	15 (33%)
32	PUB	Z9	304	14,3	42,46,46	3.65	9 (21%)	37,67,67	3.55	16 (43%)
31	PEB	cA	402	2,5	43,46,46	3.24	10 (23%)	45,67,67	2.50	15 (33%)
31	PEB	QG	201	2	43,46,46	3.34	10 (23%)	45,67,67	2.08	15 (33%)
31	PEB	FI	201	2,14	43,46,46	3.39	10 (23%)	45,67,67	2.29	16 (35%)
32	PUB	AD	303	6	42,46,46	3.43	7 (16%)	37,67,67	3.00	14 (37%)
31	PEB	LK	202	2	43,46,46	3.17	10 (23%)	45,67,67	2.77	17 (37%)
31	PEB	RB	201	2,10	43,46,46	3.33	11 (25%)	45,67,67	2.37	15 (33%)
31	PEB	J4	202	2	43,46,46	3.36	10 (23%)	45,67,67	2.37	15 (33%)
31	PEB	WA	402	5,2	43,46,46	3.32	10 (23%)	45,67,67	2.27	19 (42%)
31	PEB	JI	203	2	43,46,46	3.38	11 (25%)	45,67,67	2.10	14 (31%)
31	PEB	IG	201	3	43,46,46	3.35	9 (20%)	45,67,67	1.98	13 (28%)
31	PEB	GA	201	2	43,46,46	3.28	10 (23%)	45,67,67	2.18	15 (33%)
33	CYC	FD	201	9	42,46,46	3.25	15 (35%)	50,67,67	2.90	18 (36%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	LK	203	2	43,46,46	3.49	9 (20%)	45,67,67	1.81	13 (28%)
31	PEB	NK	202	2	43,46,46	3.01	9 (20%)	45,67,67	3.12	17 (37%)
31	PEB	P5	201	2,3	43,46,46	3.45	13 (30%)	45,67,67	2.12	13 (28%)
31	PEB	mD	201	2	43,46,46	3.48	13 (30%)	45,67,67	1.95	13 (28%)
31	PEB	JA	202	3	43,46,46	3.21	10 (23%)	45,67,67	2.32	16 (35%)
33	CYC	ME	1001	8,9	42,46,46	3.17	14 (33%)	50,67,67	2.89	19 (38%)
31	PEB	S4	203	2,3	43,46,46	3.32	11 (25%)	45,67,67	2.31	15 (33%)
32	PUB	AC	304	6	42,46,46	3.72	8 (19%)	37,67,67	3.97	17 (45%)
31	PEB	lB	202	-	43,46,46	3.48	11 (25%)	45,67,67	1.92	16 (35%)
31	PEB	i4	202	2,12	43,46,46	3.38	12 (27%)	45,67,67	2.32	14 (31%)
31	PEB	F8	202	2	43,46,46	3.43	10 (23%)	45,67,67	2.52	17 (37%)
31	PEB	A6	304	6	43,46,46	3.38	9 (20%)	45,67,67	2.08	13 (28%)
31	PEB	VH	201	2	43,46,46	3.38	10 (23%)	45,67,67	2.26	14 (31%)
31	PEB	t8	203	2,3	43,46,46	3.51	12 (27%)	45,67,67	2.18	12 (26%)
31	PEB	O5	201	2,6,31	43,46,46	3.41	10 (23%)	45,67,67	1.99	15 (33%)
31	PEB	U9	202	2	43,46,46	3.34	10 (23%)	45,67,67	2.31	15 (33%)
31	PEB	QA	203	2	43,46,46	3.31	10 (23%)	45,67,67	2.10	15 (33%)
31	PEB	Z6	201	3	43,46,46	3.34	12 (27%)	45,67,67	2.77	18 (40%)
31	PEB	JK	203	2	43,46,46	3.38	10 (23%)	45,67,67	2.30	15 (33%)
33	CYC	LE	1001	9	42,46,46	3.24	14 (33%)	50,67,67	3.05	20 (40%)
31	PEB	GI	202	3	43,46,46	3.58	11 (25%)	45,67,67	2.66	17 (37%)
31	PEB	NB	1002	9	43,46,46	3.32	10 (23%)	45,67,67	2.14	17 (37%)
31	PEB	PK	202	2	43,46,46	3.12	10 (23%)	45,67,67	2.64	16 (35%)
31	PEB	uF	201	2,3	43,46,46	3.46	12 (27%)	45,67,67	2.19	11 (24%)
31	PEB	X5	203	3	43,46,46	3.41	10 (23%)	45,67,67	1.98	13 (28%)
32	PUB	Q4	202	3,13	42,46,46	3.45	7 (16%)	37,67,67	3.33	16 (43%)
31	PEB	ZF	202	2	43,46,46	3.55	12 (27%)	45,67,67	2.05	15 (33%)
31	PEB	QI	201	2	43,46,46	3.57	11 (25%)	45,67,67	2.15	15 (33%)
33	CYC	D3	1001	24,20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	U1	201	3	43,46,46	3.23	10 (23%)	45,67,67	2.61	13 (28%)
31	PEB	aB	201	2	43,46,46	3.30	11 (25%)	45,67,67	2.30	17 (37%)
31	PEB	ZH	201	2	43,46,46	3.31	10 (23%)	45,67,67	2.48	15 (33%)
33	CYC	E6	1001	8	42,46,46	3.19	15 (35%)	50,67,67	2.95	19 (38%)
31	PEB	WA	401	2,5	43,46,46	3.14	10 (23%)	45,67,67	2.39	15 (33%)
31	PEB	hE	202	3	43,46,46	3.37	11 (25%)	45,67,67	2.00	14 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	N1	201	2	43,46,46	3.29	10 (23%)	45,67,67	2.31	17 (37%)
31	PEB	O8	203	3	43,46,46	3.30	9 (20%)	45,67,67	2.03	16 (35%)
31	PEB	p8	202	2	43,46,46	3.59	11 (25%)	45,67,67	2.74	18 (40%)
31	PEB	AB	305	6	43,46,46	3.39	10 (23%)	45,67,67	2.01	13 (28%)
33	CYC	o3	1001	20	42,46,46	3.44	14 (33%)	50,67,67	3.15	21 (42%)
31	PEB	Z2	201	2,3	43,46,46	3.26	9 (20%)	45,67,67	3.16	17 (37%)
31	PEB	ZA	203	2	43,46,46	3.38	10 (23%)	45,67,67	2.07	14 (31%)
31	PEB	gC	202	2	43,46,46	3.50	11 (25%)	45,67,67	2.22	14 (31%)
31	PEB	cE	201	2	43,46,46	3.39	11 (25%)	45,67,67	2.13	16 (35%)
31	PEB	SB	202	3	43,46,46	3.40	11 (25%)	45,67,67	2.66	18 (40%)
31	PEB	XK	203	2	43,46,46	3.48	11 (25%)	45,67,67	2.30	18 (40%)
31	PEB	PI	202	3	43,46,46	3.58	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	HI	203	2	43,46,46	3.41	11 (25%)	45,67,67	2.28	13 (28%)
31	PEB	TG	201	2,3	43,46,46	2.88	12 (27%)	45,67,67	2.80	16 (35%)
31	PEB	U7	203	2,3	43,46,46	3.39	11 (25%)	45,67,67	2.53	16 (35%)
31	PEB	jH	201	3	43,46,46	3.30	10 (23%)	45,67,67	2.20	14 (31%)
31	PEB	T1	202	2	43,46,46	2.77	9 (20%)	45,67,67	2.99	19 (42%)
32	PUB	ZI	302	14	42,46,46	3.39	9 (21%)	37,67,67	4.03	18 (48%)
31	PEB	iB	203	2	43,46,46	3.52	12 (27%)	45,67,67	1.90	14 (31%)
31	PEB	f2	201	3	43,46,46	3.48	13 (30%)	45,67,67	2.00	13 (28%)
31	PEB	WH	202	3	43,46,46	3.26	10 (23%)	45,67,67	2.63	17 (37%)
31	PEB	Y8	202	3	43,46,46	3.38	11 (25%)	45,67,67	1.87	13 (28%)
31	PEB	MI	302	14	43,46,46	3.11	10 (23%)	45,67,67	2.26	15 (33%)
31	PEB	WG	201	2	43,46,46	3.43	12 (27%)	45,67,67	2.42	16 (35%)
31	PEB	CF	201	3	43,46,46	3.38	9 (20%)	45,67,67	2.29	14 (31%)
31	PEB	VK	202	2	43,46,46	3.20	9 (20%)	45,67,67	2.58	18 (40%)
31	PEB	zF	501	2,28	43,46,46	3.09	8 (18%)	45,67,67	2.08	15 (33%)
31	PEB	gB	202	2	43,46,46	3.34	10 (23%)	45,67,67	2.32	14 (31%)
31	PEB	UD	203	3	43,46,46	3.40	11 (25%)	45,67,67	2.04	15 (33%)
31	PEB	C9	202	3	43,46,46	3.34	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	SE	202	3	43,46,46	3.30	10 (23%)	45,67,67	2.09	17 (37%)
31	PEB	l2	202	3	43,46,46	3.45	11 (25%)	45,67,67	2.04	13 (28%)
31	PEB	DB	1002	9	43,46,46	3.32	11 (25%)	45,67,67	2.18	17 (37%)
31	PEB	HI	201	2,14	43,46,46	3.45	10 (23%)	45,67,67	1.96	13 (28%)
31	PEB	oF	203	3	43,46,46	3.38	11 (25%)	45,67,67	2.28	13 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	jE	202	3	43,46,46	3.42	11 (25%)	45,67,67	1.95	13 (28%)
32	PUB	BH	302	13	42,46,46	3.23	7 (16%)	37,67,67	3.28	13 (35%)
31	PEB	i6	202	2	43,46,46	3.25	10 (23%)	45,67,67	2.32	14 (31%)
31	PEB	U4	202	3	43,46,46	3.24	11 (25%)	45,67,67	2.25	14 (31%)
31	PEB	SA	202	2	43,46,46	3.33	11 (25%)	45,67,67	2.22	17 (37%)
32	PUB	AJ	303	6,3	42,46,46	3.48	8 (19%)	37,67,67	3.17	15 (40%)
31	PEB	jD	201	3	43,46,46	3.40	12 (27%)	45,67,67	2.08	15 (33%)
31	PEB	RB	203	2	43,46,46	3.45	10 (23%)	45,67,67	1.98	11 (24%)
31	PEB	a4	204	2,3	43,46,46	3.38	11 (25%)	45,67,67	2.39	14 (31%)
31	PEB	WK	201	3	43,46,46	3.17	10 (23%)	45,67,67	2.29	15 (33%)
31	PEB	CK	202	3	43,46,46	1.08	2 (4%)	45,67,67	0.99	2 (4%)
31	PEB	OK	201	3	43,46,46	3.09	10 (23%)	45,67,67	2.81	20 (44%)
31	PEB	fH	202	3	43,46,46	3.46	11 (25%)	45,67,67	2.15	17 (37%)
31	PEB	EH	203	3	43,46,46	3.25	10 (23%)	45,67,67	2.15	16 (35%)
31	PEB	BI	202	2	43,46,46	3.22	12 (27%)	45,67,67	2.69	19 (42%)
31	PEB	PC	202	2	43,46,46	3.47	10 (23%)	45,67,67	1.99	17 (37%)
31	PEB	PF	201	2	43,46,46	3.34	9 (20%)	45,67,67	3.23	18 (40%)
32	PUB	YK	304	6	42,46,46	3.53	8 (19%)	37,67,67	3.04	16 (43%)
31	PEB	W5	201	2	43,46,46	3.48	13 (30%)	45,67,67	1.95	15 (33%)
31	PEB	AK	201	3	43,46,46	3.49	12 (27%)	45,67,67	2.31	18 (40%)
31	PEB	ZI	304	14	43,46,46	3.11	12 (27%)	45,67,67	2.71	16 (35%)
31	PEB	AK	202	3	43,46,46	3.43	11 (25%)	45,67,67	1.98	12 (26%)
33	CYC	73	1002	24	42,46,46	3.42	15 (35%)	50,67,67	3.15	23 (46%)
31	PEB	NC	1002	9	43,46,46	3.26	11 (25%)	45,67,67	2.09	12 (26%)
31	PEB	QD	202	3	43,46,46	3.44	10 (23%)	45,67,67	2.07	15 (33%)
31	PEB	j4	201	3	43,46,46	3.32	10 (23%)	45,67,67	2.49	16 (35%)
31	PEB	h4	202	3	43,46,46	3.41	12 (27%)	45,67,67	2.27	14 (31%)
31	PEB	XF	203	2	43,46,46	3.49	11 (25%)	45,67,67	2.26	17 (37%)
31	PEB	J2	1002	9	43,46,46	3.17	10 (23%)	45,67,67	2.13	14 (31%)
31	PEB	p8	201	2	43,46,46	3.33	10 (23%)	45,67,67	2.73	17 (37%)
31	PEB	E9	202	3	43,46,46	3.36	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	UC	202	3	43,46,46	3.29	13 (30%)	45,67,67	2.13	16 (35%)
31	PEB	JK	201	2,6	43,46,46	3.30	10 (23%)	45,67,67	2.44	13 (28%)
31	PEB	e2	201	2	43,46,46	3.42	10 (23%)	45,67,67	2.09	16 (35%)
31	PEB	S5	201	2,6	43,46,46	3.39	10 (23%)	45,67,67	2.09	13 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	S9	203	2	43,46,46	3.21	10 (23%)	45,67,67	2.00	16 (35%)
31	PEB	CI	201	3	43,46,46	3.38	12 (27%)	45,67,67	1.94	14 (31%)
31	PEB	bF	202	2	43,46,46	3.63	10 (23%)	45,67,67	2.38	15 (33%)
31	PEB	d6	201	3	43,46,46	3.27	10 (23%)	45,67,67	2.19	16 (35%)
31	PEB	J4	201	2	43,46,46	3.34	10 (23%)	45,67,67	2.29	15 (33%)
31	PEB	NA	203	2	43,46,46	3.27	11 (25%)	45,67,67	2.15	15 (33%)
31	PEB	WI	201	2	43,46,46	3.35	11 (25%)	45,67,67	2.34	16 (35%)
31	PEB	QH	203	3	43,46,46	3.29	10 (23%)	45,67,67	2.17	13 (28%)
31	PEB	N7	202	2	43,46,46	3.38	11 (25%)	45,67,67	2.26	17 (37%)
31	PEB	Q2	202	3	43,46,46	3.40	12 (27%)	45,67,67	2.50	17 (37%)
33	CYC	FE	1001	9	42,46,46	3.26	13 (30%)	50,67,67	2.90	18 (36%)
31	PEB	FK	203	2	43,46,46	3.58	12 (27%)	45,67,67	1.97	17 (37%)
32	PUB	A2	304	6	42,46,46	3.72	8 (19%)	37,67,67	3.97	17 (45%)
31	PEB	I9	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	PA	201	2	43,46,46	3.31	10 (23%)	45,67,67	2.26	15 (33%)
31	PEB	eA	201	2	43,46,46	3.31	10 (23%)	45,67,67	2.14	15 (33%)
31	PEB	I7	202	3	43,46,46	3.26	9 (20%)	45,67,67	2.06	14 (31%)
31	PEB	eH	202	2,12	43,46,46	3.26	10 (23%)	45,67,67	2.26	14 (31%)
31	PEB	AG	201	3	43,46,46	3.34	9 (20%)	45,67,67	1.97	13 (28%)
31	PEB	e1	301	15,3	43,46,46	3.37	10 (23%)	45,67,67	1.95	13 (28%)
31	PEB	XI	201	3	43,46,46	3.37	10 (23%)	45,67,67	1.95	14 (31%)
31	PEB	EK	202	3	43,46,46	3.41	12 (27%)	45,67,67	1.98	13 (28%)
31	PEB	w8	301	12	43,46,46	3.21	9 (20%)	45,67,67	2.28	15 (33%)
31	PEB	mH	202	2,12	43,46,46	3.35	10 (23%)	45,67,67	2.63	16 (35%)
31	PEB	a6	201	2	43,46,46	3.33	10 (23%)	45,67,67	2.29	17 (37%)
32	PUB	A4	304	12	42,46,46	3.36	7 (16%)	37,67,67	3.18	16 (43%)
31	PEB	J7	202	2	43,46,46	3.32	10 (23%)	45,67,67	2.14	15 (33%)
31	PEB	B8	201	2	43,46,46	3.40	12 (27%)	45,67,67	3.50	16 (35%)
31	PEB	g4	201	2	43,46,46	3.42	10 (23%)	45,67,67	2.32	14 (31%)
31	PEB	Y7	504	2,27	43,46,46	3.33	10 (23%)	45,67,67	2.19	15 (33%)
31	PEB	QA	201	2	43,46,46	3.25	10 (23%)	45,67,67	2.02	15 (33%)
31	PEB	IH	203	3	43,46,46	3.32	10 (23%)	45,67,67	2.37	15 (33%)
31	PEB	S2	202	3	43,46,46	3.32	10 (23%)	45,67,67	2.41	13 (28%)
31	PEB	L5	203	3	43,46,46	3.37	9 (20%)	45,67,67	2.04	14 (31%)
31	PEB	h2	203	2,3	43,46,46	1.08	2 (4%)	45,67,67	1.00	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	SA	201	2	43,46,46	3.18	10 (23%)	45,67,67	2.14	15 (33%)
31	PEB	GD	202	8,9	43,46,46	3.23	10 (23%)	45,67,67	2.31	17 (37%)
31	PEB	dE	202	6,3	43,46,46	3.35	9 (20%)	45,67,67	2.14	14 (31%)
31	PEB	cF	202	9,3	43,46,46	1.07	2 (4%)	45,67,67	1.00	2 (4%)
32	PUB	A5	303	6,3	42,46,46	3.47	8 (19%)	37,67,67	3.17	15 (40%)
31	PEB	G8	202	3	43,46,46	2.65	11 (25%)	45,67,67	3.02	20 (44%)
31	PEB	MI	305	14	43,46,46	3.11	11 (25%)	45,67,67	2.72	16 (35%)
31	PEB	NA	201	2	43,46,46	3.24	10 (23%)	45,67,67	2.21	17 (37%)
31	PEB	gH	202	2	43,46,46	3.41	12 (27%)	45,67,67	2.52	17 (37%)
31	PEB	TI	202	3	43,46,46	3.59	10 (23%)	45,67,67	2.66	17 (37%)
31	PEB	E8	201	3	43,46,46	3.08	9 (20%)	45,67,67	2.33	14 (31%)
31	PEB	D5	201	2,3	43,46,46	3.19	11 (25%)	45,67,67	2.39	14 (31%)
31	PEB	mE	202	2	43,46,46	3.42	11 (25%)	45,67,67	2.55	14 (31%)
31	PEB	V9	202	3	43,46,46	3.35	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	LF	202	2	43,46,46	3.66	11 (25%)	45,67,67	2.71	15 (33%)
31	PEB	K1	202	3	43,46,46	3.44	10 (23%)	45,67,67	1.80	11 (24%)
31	PEB	M8	202	3	43,46,46	3.48	11 (25%)	45,67,67	1.96	15 (33%)
31	PEB	O1	201	3	43,46,46	3.09	10 (23%)	45,67,67	2.81	20 (44%)
31	PEB	lE	203	3	43,46,46	3.46	11 (25%)	45,67,67	1.97	14 (31%)
31	PEB	L9	202	2	43,46,46	3.32	11 (25%)	45,67,67	2.15	14 (31%)
31	PEB	GG	202	3	43,46,46	3.35	9 (20%)	45,67,67	1.98	13 (28%)
31	PEB	Q9	203	2	43,46,46	3.13	11 (25%)	45,67,67	2.07	15 (33%)
31	PEB	YB	203	2	43,46,46	3.38	11 (25%)	45,67,67	2.04	13 (28%)
31	PEB	aF	203	3	43,46,46	3.37	10 (23%)	45,67,67	2.32	17 (37%)
31	PEB	W2	202	3	43,46,46	3.36	9 (20%)	45,67,67	2.52	16 (35%)
31	PEB	V4	202	2	43,46,46	3.33	10 (23%)	45,67,67	2.22	15 (33%)
31	PEB	u8	201	3	43,46,46	3.53	11 (25%)	45,67,67	2.04	14 (31%)
33	CYC	HD	1001	9	42,46,46	3.12	14 (33%)	50,67,67	3.07	21 (42%)
31	PEB	gC	201	2	43,46,46	3.58	10 (23%)	45,67,67	1.93	15 (33%)
31	PEB	I4	203	3	43,46,46	3.28	9 (20%)	45,67,67	2.23	14 (31%)
31	PEB	U6	202	3	43,46,46	3.31	9 (20%)	45,67,67	1.90	12 (26%)
31	PEB	LG	201	2,11	43,46,46	3.38	10 (23%)	45,67,67	2.00	15 (33%)
31	PEB	Z2	202	3	43,46,46	3.31	10 (23%)	45,67,67	2.19	17 (37%)
31	PEB	K9	202	3	43,46,46	3.34	10 (23%)	45,67,67	1.93	14 (31%)
31	PEB	Q9	202	2	43,46,46	3.38	10 (23%)	45,67,67	2.62	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	H9	202	2	43,46,46	3.30	10 (23%)	45,67,67	2.28	14 (31%)
31	PEB	Q7	201	3	43,46,46	3.29	11 (25%)	45,67,67	2.10	15 (33%)
31	PEB	dJ	401	2,26	43,46,46	3.32	10 (23%)	45,67,67	2.32	18 (40%)
33	CYC	LC	1003	8,9	42,46,46	3.17	12 (28%)	50,67,67	2.96	22 (44%)
31	PEB	HF	202	2	43,46,46	3.42	10 (23%)	45,67,67	2.38	16 (35%)
31	PEB	T1	201	2	43,46,46	3.54	11 (25%)	45,67,67	2.32	18 (40%)
31	PEB	DE	1002	8,9	43,46,46	3.31	12 (27%)	45,67,67	2.26	14 (31%)
31	PEB	OH	203	2,3	43,46,46	3.16	11 (25%)	45,67,67	2.62	18 (40%)
31	PEB	HB	1002	9	43,46,46	3.22	10 (23%)	45,67,67	2.07	16 (35%)
31	PEB	qF	201	2,3	43,46,46	3.42	12 (27%)	45,67,67	2.70	17 (37%)
31	PEB	g8	203	2,3	43,46,46	3.29	11 (25%)	45,67,67	2.56	16 (35%)
33	CYC	P3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.93	19 (38%)
31	PEB	Q2	201	2,3	43,46,46	3.31	11 (25%)	45,67,67	2.49	17 (37%)
31	PEB	RF	201	2	43,46,46	3.27	10 (23%)	45,67,67	3.72	21 (46%)
31	PEB	UB	201	3	43,46,46	3.19	10 (23%)	45,67,67	2.80	19 (42%)
33	CYC	G3	1001	19	42,46,46	3.68	14 (33%)	50,67,67	2.93	19 (38%)
33	CYC	D6	1001	9	42,46,46	3.12	13 (30%)	50,67,67	2.81	20 (40%)
31	PEB	W4	202	3	43,46,46	3.29	11 (25%)	45,67,67	2.18	14 (31%)
31	PEB	AD	301	6	43,46,46	3.35	11 (25%)	45,67,67	2.35	17 (37%)
31	PEB	jC	202	3	43,46,46	3.40	12 (27%)	45,67,67	2.62	16 (35%)
33	CYC	EC	1001	8,9	42,46,46	3.04	14 (33%)	50,67,67	3.17	20 (40%)
31	PEB	U5	202	2	43,46,46	3.52	9 (20%)	45,67,67	1.89	15 (33%)
31	PEB	KG	202	3	43,46,46	3.35	10 (23%)	45,67,67	1.97	13 (28%)
31	PEB	vF	201	2	43,46,46	3.47	10 (23%)	45,67,67	2.88	18 (40%)
31	PEB	BF	202	2	43,46,46	3.44	10 (23%)	45,67,67	2.35	14 (31%)
31	PEB	F6	1002	9	43,46,46	3.24	10 (23%)	45,67,67	2.22	17 (37%)
31	PEB	FK	202	2	43,46,46	3.28	11 (25%)	45,67,67	2.72	18 (40%)
31	PEB	NI	201	3	43,46,46	3.37	11 (25%)	45,67,67	1.94	14 (31%)
31	PEB	a8	202	3	43,46,46	3.25	11 (25%)	45,67,67	2.17	16 (35%)
31	PEB	mB	201	2	43,46,46	3.39	11 (25%)	45,67,67	2.11	15 (33%)
31	PEB	fD	202	3	43,46,46	3.42	13 (30%)	45,67,67	1.97	14 (31%)
31	PEB	aF	201	2,3	43,46,46	3.43	11 (25%)	45,67,67	2.40	15 (33%)
31	PEB	AC	302	6	43,46,46	3.41	10 (23%)	45,67,67	1.95	12 (26%)
31	PEB	i8	203	3	43,46,46	3.47	12 (27%)	45,67,67	2.03	14 (31%)
31	PEB	c6	201	2	43,46,46	3.37	10 (23%)	45,67,67	1.98	15 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	UJ	202	2	43,46,46	3.51	9 (20%)	45,67,67	1.88	14 (31%)
31	PEB	S8	202	3	43,46,46	3.25	12 (27%)	45,67,67	2.40	16 (35%)
31	PEB	EH	201	2,3	43,46,46	3.10	11 (25%)	45,67,67	2.62	17 (37%)
31	PEB	I4	201	2,3	43,46,46	3.27	11 (25%)	45,67,67	2.48	15 (33%)
31	PEB	e8	203	3	43,46,46	3.35	10 (23%)	45,67,67	2.15	13 (28%)
31	PEB	G5	201	2	43,46,46	3.43	11 (25%)	45,67,67	2.34	15 (33%)
31	PEB	cF	201	3	43,46,46	3.20	10 (23%)	45,67,67	2.31	15 (33%)
31	PEB	lB	201	3	43,46,46	3.31	11 (25%)	45,67,67	2.26	17 (37%)
31	PEB	G4	201	3	43,46,46	3.32	10 (23%)	45,67,67	2.16	15 (33%)
31	PEB	b2	203	2,3	43,46,46	3.34	12 (27%)	45,67,67	2.58	16 (35%)
31	PEB	j4	203	2,3	43,46,46	3.36	12 (27%)	45,67,67	2.46	14 (31%)
31	PEB	aE	201	2	43,46,46	3.28	10 (23%)	45,67,67	2.16	19 (42%)
31	PEB	e8	202	3	43,46,46	3.16	10 (23%)	45,67,67	2.26	19 (42%)
31	PEB	J1	203	2	43,46,46	3.40	10 (23%)	45,67,67	2.31	14 (31%)
31	PEB	K8	201	2,3	43,46,46	3.12	10 (23%)	45,67,67	2.52	14 (31%)
31	PEB	sF	202	3	43,46,46	3.44	11 (25%)	45,67,67	2.05	15 (33%)
31	PEB	W6	201	3	43,46,46	3.29	11 (25%)	45,67,67	2.59	16 (35%)
31	PEB	V6	201	2	43,46,46	3.34	10 (23%)	45,67,67	2.20	16 (35%)
31	PEB	d8	202	2	43,46,46	3.68	11 (25%)	45,67,67	1.84	15 (33%)
31	PEB	ZC	202	3	43,46,46	3.29	10 (23%)	45,67,67	2.18	17 (37%)
31	PEB	UK	202	3	43,46,46	3.32	10 (23%)	45,67,67	1.95	13 (28%)
31	PEB	w8	303	12	43,46,46	3.47	11 (25%)	45,67,67	2.07	15 (33%)
31	PEB	GG	201	2,3	43,46,46	2.86	12 (27%)	45,67,67	2.76	15 (33%)
31	PEB	gB	203	2	43,46,46	3.44	11 (25%)	45,67,67	2.19	13 (28%)
31	PEB	F1	202	2	43,46,46	3.28	11 (25%)	45,67,67	2.72	19 (42%)
31	PEB	aA	201	2	43,46,46	3.24	10 (23%)	45,67,67	2.34	16 (35%)
31	PEB	h4	201	2,3	43,46,46	3.33	12 (27%)	45,67,67	2.34	14 (31%)
31	PEB	n8	201	2	43,46,46	3.47	10 (23%)	45,67,67	3.23	17 (37%)
31	PEB	x8	304	12	43,46,46	3.48	10 (23%)	45,67,67	2.28	17 (37%)
31	PEB	l2	203	3	43,46,46	3.47	12 (27%)	45,67,67	2.75	15 (33%)
31	PEB	K5	202	2	43,46,46	3.36	10 (23%)	45,67,67	2.15	15 (33%)
31	PEB	i6	203	2	43,46,46	3.54	11 (25%)	45,67,67	1.90	13 (28%)
31	PEB	RD	201	2	43,46,46	3.43	10 (23%)	45,67,67	2.24	17 (37%)
31	PEB	c8	203	2,3	43,46,46	3.30	13 (30%)	45,67,67	2.77	17 (37%)
31	PEB	NF	202	2	43,46,46	3.51	10 (23%)	45,67,67	1.93	13 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	e4	201	2	43,46,46	3.35	11 (25%)	45,67,67	2.43	15 (33%)
31	PEB	H6	1002	9	43,46,46	3.28	10 (23%)	45,67,67	2.07	15 (33%)
31	PEB	YI	201	2	43,46,46	3.52	11 (25%)	45,67,67	2.21	14 (31%)
31	PEB	bD	202	3	43,46,46	3.37	10 (23%)	45,67,67	2.14	14 (31%)
31	PEB	KA	302	2,4	43,46,46	3.34	10 (23%)	45,67,67	2.20	15 (33%)
31	PEB	W1	201	3	43,46,46	3.17	10 (23%)	45,67,67	2.31	15 (33%)
31	PEB	bC	201	3	43,46,46	3.37	11 (25%)	45,67,67	2.03	15 (33%)
31	PEB	N1	203	2	43,46,46	3.35	10 (23%)	45,67,67	2.36	17 (37%)
31	PEB	S8	203	3	43,46,46	3.25	9 (20%)	45,67,67	2.14	14 (31%)
31	PEB	B9	203	2	43,46,46	3.22	10 (23%)	45,67,67	2.04	16 (35%)
31	PEB	F9	202	2	43,46,46	3.17	10 (23%)	45,67,67	2.43	17 (37%)
31	PEB	dD	203	3	43,46,46	3.49	12 (27%)	45,67,67	2.07	15 (33%)
31	PEB	QI	203	2	43,46,46	3.44	10 (23%)	45,67,67	2.21	16 (35%)
31	PEB	WE	202	26,3	43,46,46	3.35	10 (23%)	45,67,67	2.01	13 (28%)
31	PEB	DI	202	2	43,46,46	3.47	12 (27%)	45,67,67	2.32	16 (35%)
31	PEB	W4	201	3	43,46,46	3.37	10 (23%)	45,67,67	2.20	16 (35%)
31	PEB	S7	203	3	43,46,46	3.54	11 (25%)	45,67,67	2.05	13 (28%)
32	PUB	yF	302	13	42,46,46	3.40	7 (16%)	37,67,67	3.16	19 (51%)
31	PEB	N1	202	2	43,46,46	3.04	9 (20%)	45,67,67	3.12	17 (37%)
31	PEB	H2	1002	9	43,46,46	3.46	12 (27%)	45,67,67	2.31	14 (31%)
31	PEB	DK	201	2,6	43,46,46	3.39	13 (30%)	45,67,67	2.40	14 (31%)
31	PEB	W8	201	2,3	43,46,46	3.24	11 (25%)	45,67,67	2.63	21 (46%)
31	PEB	I7	201	3	43,46,46	3.32	10 (23%)	45,67,67	2.17	16 (35%)
31	PEB	h2	201	2,14,3	43,46,46	3.38	11 (25%)	45,67,67	2.44	16 (35%)
31	PEB	s8	201	3	43,46,46	3.20	11 (25%)	45,67,67	2.07	13 (28%)
31	PEB	eH	201	2	43,46,46	3.24	10 (23%)	45,67,67	2.65	18 (40%)
31	PEB	M8	203	2,3	43,46,46	3.34	13 (30%)	45,67,67	2.56	16 (35%)
31	PEB	d2	202	3	43,46,46	3.39	12 (27%)	45,67,67	2.11	15 (33%)
31	PEB	eC	203	2,3	43,46,46	3.33	12 (27%)	45,67,67	2.58	16 (35%)
31	PEB	g6	202	2	43,46,46	3.31	9 (20%)	45,67,67	2.32	14 (31%)
31	PEB	sF	203	2,3	43,46,46	3.50	13 (30%)	45,67,67	2.75	16 (35%)
31	PEB	aH	203	3	43,46,46	3.36	11 (25%)	45,67,67	2.13	15 (33%)
31	PEB	DD	1002	8,9	43,46,46	3.30	12 (27%)	45,67,67	2.25	14 (31%)
31	PEB	WC	203	2,3	43,46,46	3.41	12 (27%)	45,67,67	2.32	16 (35%)
31	PEB	UH	203	3	43,46,46	3.42	10 (23%)	45,67,67	2.16	14 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	QB	202	3	43,46,46	1.06	2 (4%)	45,67,67	1.00	2 (4%)
31	PEB	CF	203	3	43,46,46	3.42	12 (27%)	45,67,67	1.98	16 (35%)
31	PEB	TF	202	2	43,46,46	3.43	12 (27%)	45,67,67	2.22	18 (40%)
31	PEB	PK	203	2	43,46,46	3.40	10 (23%)	45,67,67	2.06	13 (28%)
31	PEB	BJ	203	2,3	43,46,46	2.93	9 (20%)	45,67,67	2.38	14 (31%)
31	PEB	CF	202	3	43,46,46	3.07	8 (18%)	45,67,67	2.08	15 (33%)
31	PEB	QE	201	2,3	43,46,46	3.17	11 (25%)	45,67,67	2.64	17 (37%)
31	PEB	gF	203	2,3	43,46,46	3.26	11 (25%)	45,67,67	2.57	16 (35%)
31	PEB	R9	201	3	43,46,46	3.23	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	DC	1002	9	43,46,46	3.32	11 (25%)	45,67,67	2.14	14 (31%)
31	PEB	HK	202	2	43,46,46	3.34	11 (25%)	45,67,67	2.59	17 (37%)
31	PEB	NH	202	2	43,46,46	3.27	10 (23%)	45,67,67	2.57	18 (40%)
31	PEB	AJ	301	6,31	43,46,46	3.49	10 (23%)	45,67,67	2.66	15 (33%)
31	PEB	mC	202	2	43,46,46	3.70	10 (23%)	45,67,67	1.86	12 (26%)
31	PEB	Q1	202	3	43,46,46	3.18	10 (23%)	45,67,67	1.98	13 (28%)
31	PEB	dA	202	2	43,46,46	3.25	10 (23%)	45,67,67	1.97	13 (28%)
31	PEB	dF	202	2	43,46,46	3.70	11 (25%)	45,67,67	1.85	15 (33%)
33	CYC	m3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.92	19 (38%)
31	PEB	aH	201	3,12	43,46,46	3.26	11 (25%)	45,67,67	2.20	14 (31%)
31	PEB	YC	201	2	43,46,46	3.51	11 (25%)	45,67,67	2.31	18 (40%)
31	PEB	BA	201	2	43,46,46	3.36	11 (25%)	45,67,67	2.17	14 (31%)
31	PEB	KK	201	3	43,46,46	3.26	12 (27%)	45,67,67	2.48	17 (37%)
31	PEB	RG	201	3	43,46,46	3.35	9 (20%)	45,67,67	1.97	13 (28%)
31	PEB	IA	201	2	43,46,46	3.25	10 (23%)	45,67,67	2.12	13 (28%)
31	PEB	I5	201	2	43,46,46	3.43	11 (25%)	45,67,67	2.33	15 (33%)
31	PEB	TC	201	2,10	43,46,46	3.35	12 (27%)	45,67,67	2.20	19 (42%)
31	PEB	dH	201	2,3	43,46,46	3.31	12 (27%)	45,67,67	2.34	15 (33%)
31	PEB	NF	201	2	43,46,46	3.34	10 (23%)	45,67,67	3.08	17 (37%)
31	PEB	m4	201	2	43,46,46	3.45	12 (27%)	45,67,67	2.43	16 (35%)
33	CYC	BE	1002	9,7	42,46,46	3.23	15 (35%)	50,67,67	2.91	23 (46%)
31	PEB	K9	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.22	15 (33%)
31	PEB	P7	202	2	43,46,46	3.36	10 (23%)	45,67,67	2.22	17 (37%)
31	PEB	UC	201	2,3	43,46,46	3.41	11 (25%)	45,67,67	2.54	15 (33%)
31	PEB	G8	203	3	43,46,46	3.39	11 (25%)	45,67,67	2.64	22 (48%)
33	CYC	I3	1001	20	42,46,46	3.43	14 (33%)	50,67,67	3.16	21 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	MG	401	3,11	43,46,46	1.09	2 (4%)	45,67,67	0.99	2 (4%)
31	PEB	TB	201	2	43,46,46	3.36	10 (23%)	45,67,67	2.16	17 (37%)
31	PEB	bF	201	2	43,46,46	3.39	10 (23%)	45,67,67	2.08	15 (33%)
31	PEB	V7	201	2	43,46,46	3.45	11 (25%)	45,67,67	2.09	17 (37%)
31	PEB	kC	202	2	43,46,46	3.45	11 (25%)	45,67,67	2.06	14 (31%)
31	PEB	jH	202	3	43,46,46	3.46	8 (18%)	45,67,67	2.04	14 (31%)
31	PEB	gC	203	2,14,3	43,46,46	3.38	11 (25%)	45,67,67	2.44	16 (35%)
31	PEB	kF	202	3	43,46,46	3.59	12 (27%)	45,67,67	1.91	12 (26%)
31	PEB	WK	202	3	43,46,46	3.44	11 (25%)	45,67,67	2.05	13 (28%)
33	CYC	T3	1001	19	42,46,46	3.67	14 (33%)	50,67,67	2.94	19 (38%)
31	PEB	gA	203	2	43,46,46	3.24	11 (25%)	45,67,67	2.34	15 (33%)
31	PEB	N4	201	2	43,46,46	3.27	10 (23%)	45,67,67	2.78	18 (40%)
31	PEB	NG	201	3	43,46,46	3.34	10 (23%)	45,67,67	1.98	13 (28%)
31	PEB	YD	202	2	43,46,46	3.41	10 (23%)	45,67,67	2.29	17 (37%)
31	PEB	PE	202	2,10	43,46,46	3.35	10 (23%)	45,67,67	2.22	18 (40%)
31	PEB	X7	201	2	43,46,46	3.29	11 (25%)	45,67,67	2.09	16 (35%)
31	PEB	tF	201	2	43,46,46	3.52	10 (23%)	45,67,67	2.86	15 (33%)
31	PEB	C7	201	2,3	43,46,46	3.39	12 (27%)	45,67,67	2.49	17 (37%)
31	PEB	V2	201	2	43,46,46	3.40	12 (27%)	45,67,67	2.42	18 (40%)
31	PEB	Y4	203	3	43,46,46	3.33	13 (30%)	45,67,67	2.14	12 (26%)
31	PEB	F4	202	2	43,46,46	3.30	11 (25%)	45,67,67	2.29	16 (35%)
31	PEB	Y8	203	2,3	43,46,46	3.41	13 (30%)	45,67,67	2.68	17 (37%)
31	PEB	B5	201	3	43,46,46	3.22	11 (25%)	45,67,67	2.32	16 (35%)
31	PEB	HK	203	2	43,46,46	3.58	11 (25%)	45,67,67	2.48	16 (35%)
31	PEB	J6	1002	9	43,46,46	3.30	11 (25%)	45,67,67	2.12	14 (31%)
33	CYC	DC	1003	8,9	42,46,46	3.14	12 (28%)	50,67,67	2.96	20 (40%)
31	PEB	SJ	202	2	43,46,46	3.36	10 (23%)	45,67,67	1.98	16 (35%)
31	PEB	m6	202	2	43,46,46	3.32	12 (27%)	45,67,67	2.38	16 (35%)
31	PEB	gE	201	2	43,46,46	3.37	10 (23%)	45,67,67	2.01	16 (35%)
31	PEB	Y5	202	2,31	43,46,46	3.51	11 (25%)	45,67,67	1.98	12 (26%)
31	PEB	KI	201	3	43,46,46	3.37	11 (25%)	45,67,67	1.94	14 (31%)
31	PEB	c4	202	2	43,46,46	3.39	10 (23%)	45,67,67	2.24	18 (40%)
31	PEB	A8	202	3	43,46,46	3.52	12 (27%)	45,67,67	1.91	12 (26%)
31	PEB	SF	202	3	43,46,46	3.25	12 (27%)	45,67,67	2.41	16 (35%)
31	PEB	OI	201	2	43,46,46	3.40	11 (25%)	45,67,67	2.30	16 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PEB	E4	202	3	43,46,46	3.30	10 (23%)	45,67,67	2.17	17 (37%)
31	PEB	IH	202	3	43,46,46	3.16	11 (25%)	45,67,67	2.38	14 (31%)
31	PEB	I9	202	3	43,46,46	3.34	10 (23%)	45,67,67	1.94	14 (31%)
31	PEB	eD	201	2	43,46,46	3.37	11 (25%)	45,67,67	1.95	13 (28%)
31	PEB	e8	201	2,3	43,46,46	3.42	13 (30%)	45,67,67	2.22	17 (37%)
31	PEB	O9	202	2	43,46,46	3.28	11 (25%)	45,67,67	2.27	16 (35%)
31	PEB	gB	201	2	43,46,46	3.39	11 (25%)	45,67,67	1.98	13 (28%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	OE	202	3	-	10/24/74/74	0/4/4/4
33	CYC	DC	1001	9	-	6/25/74/74	0/4/4/4
31	PEB	Y1	303	6	-	16/24/74/74	0/4/4/4
31	PEB	c2	202	2	-	11/24/74/74	0/4/4/4
31	PEB	A5	301	31,6	-	9/24/74/74	0/4/4/4
31	PEB	Q1	201	3	-	6/24/74/74	0/4/4/4
31	PEB	k4	202	2	-	9/24/74/74	0/4/4/4
31	PEB	H1	201	2	-	4/24/74/74	0/4/4/4
31	PEB	U4	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	q8	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	C5	202	2,6	-	4/24/74/74	0/4/4/4
31	PEB	XJ	202	3	-	11/24/74/74	0/4/4/4
31	PEB	K7	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	Y7	501	2	-	3/24/74/74	0/4/4/4
31	PEB	V1	201	2,15	-	11/24/74/74	0/4/4/4
31	PEB	B5	203	2,3	-	12/24/74/74	0/4/4/4
31	PEB	GF	202	3	-	7/24/74/74	0/4/4/4
31	PEB	R6	203	2	-	9/24/74/74	0/4/4/4
31	PEB	JA	201	3	-	9/24/74/74	0/4/4/4
31	PEB	QK	202	3	-	9/24/74/74	0/4/4/4
31	PEB	Y7	503	2,27	-	11/24/74/74	0/4/4/4
31	PEB	kF	201	3	-	12/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	AF	202	3	-	11/24/74/74	0/4/4/4
31	PEB	RI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	HG	202	2	-	7/24/74/74	0/4/4/4
31	PEB	YK	303	6	-	16/24/74/74	0/4/4/4
31	PEB	M1	201	3	-	10/24/74/74	0/4/4/4
31	PEB	YD	201	2	-	10/24/74/74	0/4/4/4
33	CYC	k3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	GJ	202	2	-	13/24/74/74	0/4/4/4
31	PEB	TA	202	3	-	9/24/74/74	0/4/4/4
31	PEB	fD	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	JK	202	2	-	10/24/74/74	0/4/4/4
31	PEB	dC	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	lC	202	3	-	13/24/74/74	0/4/4/4
31	PEB	l8	202	2	-	13/24/74/74	0/4/4/4
31	PEB	J1	201	2,6	-	3/24/74/74	0/4/4/4
31	PEB	WH	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	b2	201	3	-	10/24/74/74	0/4/4/4
31	PEB	RC	202	2	-	12/24/74/74	0/4/4/4
31	PEB	QB	201	3	-	8/24/74/74	0/4/4/4
31	PEB	VF	202	2	-	13/24/74/74	0/4/4/4
31	PEB	I1	202	3	-	12/24/74/74	0/4/4/4
31	PEB	C8	201	3	-	6/24/74/74	0/4/4/4
31	PEB	Z9	302	14	-	9/24/74/74	0/4/4/4
31	PEB	KJ	202	2	-	13/24/74/74	0/4/4/4
31	PEB	HA	203	2	-	12/24/74/74	0/4/4/4
31	PEB	fD	201	3	-	10/24/74/74	0/4/4/4
31	PEB	T4	201	2	-	6/24/74/74	0/4/4/4
31	PEB	HI	202	2	-	8/24/74/74	0/4/4/4
31	PEB	H8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	bA	201	2	-	10/24/74/74	0/4/4/4
33	CYC	K3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	CG	202	3	-	10/24/74/74	0/4/4/4
32	PUB	KK	203	6,3	-	6/24/74/74	0/4/4/4
31	PEB	ZC	201	2,3	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	f8	202	2	-	11/24/74/74	0/4/4/4
31	PEB	iB	202	2	-	8/24/74/74	0/4/4/4
31	PEB	aE	202	2	-	13/24/74/74	0/4/4/4
31	PEB	PJ	203	3	-	12/24/74/74	0/4/4/4
31	PEB	GK	202	3	-	13/24/74/74	0/4/4/4
31	PEB	u8	202	3	-	8/24/74/74	0/4/4/4
31	PEB	wF	301	12	-	11/24/74/74	0/4/4/4
31	PEB	kH	202	2	-	9/24/74/74	0/4/4/4
31	PEB	S1	202	3	-	8/24/74/74	0/4/4/4
31	PEB	M8	201	3	-	6/24/74/74	0/4/4/4
31	PEB	VJ	202	3	-	12/24/74/74	0/4/4/4
32	PUB	y8	303	13	-	5/24/74/74	0/4/4/4
31	PEB	oF	202	3	-	9/24/74/74	0/4/4/4
31	PEB	YH	202	3	-	5/24/74/74	0/4/4/4
31	PEB	ZD	201	3	-	9/24/74/74	0/4/4/4
31	PEB	i2	201	2	-	8/24/74/74	0/4/4/4
31	PEB	VF	201	2	-	10/24/74/74	0/4/4/4
31	PEB	GA	202	2	-	9/24/74/74	0/4/4/4
31	PEB	M4	203	3	-	10/24/74/74	0/4/4/4
31	PEB	YF	202	3	-	10/24/74/74	0/4/4/4
31	PEB	QF	202	3	-	7/24/74/74	0/4/4/4
31	PEB	UH	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	FH	202	2	-	9/24/74/74	0/4/4/4
31	PEB	DG	202	2	-	7/24/74/74	0/4/4/4
31	PEB	Y2	202	2	-	8/24/74/74	0/4/4/4
33	CYC	r3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	P1	202	2	-	7/24/74/74	0/4/4/4
31	PEB	TJ	202	3	-	9/24/74/74	0/4/4/4
31	PEB	KF	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	Q2	203	3	-	9/24/74/74	0/4/4/4
31	PEB	YF	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	P8	202	2	-	12/24/74/74	0/4/4/4
31	PEB	R6	201	2,10	-	2/24/74/74	0/4/4/4
31	PEB	AE	304	6	-	4/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	jE	201	3	-	9/24/74/74	0/4/4/4
31	PEB	DK	203	2	-	11/24/74/74	0/4/4/4
31	PEB	IJ	201	2	-	7/24/74/74	0/4/4/4
33	CYC	DD	1001	9	-	11/25/74/74	0/4/4/4
33	CYC	x3	1001	-	-	10/25/74/74	0/4/4/4
31	PEB	Y1	302	31,6	-	13/24/74/74	0/4/4/4
31	PEB	UB	202	3	-	10/24/74/74	0/4/4/4
31	PEB	E1	201	3	-	7/24/74/74	0/4/4/4
31	PEB	s8	202	3	-	9/24/74/74	0/4/4/4
31	PEB	kC	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	K4	202	3	-	14/24/74/74	0/4/4/4
31	PEB	KA	304	2,4	-	8/24/74/74	0/4/4/4
31	PEB	EI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	eF	202	3	-	8/24/74/74	0/4/4/4
31	PEB	GI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	M7	201	3	-	4/24/74/74	0/4/4/4
31	PEB	cF	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	FA	201	2,4	-	12/24/74/74	0/4/4/4
31	PEB	LI	203	2	-	7/24/74/74	0/4/4/4
31	PEB	cD	201	2	-	5/24/74/74	0/4/4/4
31	PEB	CG	201	3	-	8/24/74/74	0/4/4/4
31	PEB	IG	202	3	-	10/24/74/74	0/4/4/4
31	PEB	VA	202	2,3	-	10/24/74/74	0/4/4/4
31	PEB	AC	301	6	-	7/24/74/74	0/4/4/4
31	PEB	K4	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	QC	203	3	-	9/24/74/74	0/4/4/4
31	PEB	T5	202	3	-	9/24/74/74	0/4/4/4
31	PEB	T9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	QE	202	3	-	9/24/74/74	0/4/4/4
31	PEB	Q8	201	3	-	8/24/74/74	0/4/4/4
31	PEB	DG	201	2,11	-	11/24/74/74	0/4/4/4
31	PEB	XG	202	3	-	10/24/74/74	0/4/4/4
31	PEB	P7	201	2	-	6/24/74/74	0/4/4/4
31	PEB	A7	203	2,3	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	JF	202	2	-	13/24/74/74	0/4/4/4
31	PEB	iE	202	2	-	10/24/74/74	0/4/4/4
31	PEB	GG	203	3	-	10/24/74/74	0/4/4/4
31	PEB	eB	203	2	-	8/24/74/74	0/4/4/4
31	PEB	DA	201	2	-	7/24/74/74	0/4/4/4
31	PEB	h4	203	3	-	13/24/74/74	0/4/4/4
31	PEB	D2	1002	9	-	11/24/74/74	0/4/4/4
31	PEB	V5	201	3	-	12/24/74/74	0/4/4/4
31	PEB	L5	202	3	-	9/24/74/74	0/4/4/4
31	PEB	v8	201	2	-	9/24/74/74	0/4/4/4
32	PUB	NJ	201	6,3	-	3/24/74/74	0/4/4/4
31	PEB	VH	202	2	-	8/24/74/74	0/4/4/4
31	PEB	KK	202	3	-	10/24/74/74	0/4/4/4
31	PEB	WH	201	3	-	5/24/74/74	0/4/4/4
31	PEB	U9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	AE	301	6	-	10/24/74/74	0/4/4/4
31	PEB	R7	202	2	-	7/24/74/74	0/4/4/4
31	PEB	R5	202	3	-	10/24/74/74	0/4/4/4
31	PEB	MI	301	2,14	-	6/24/74/74	0/4/4/4
31	PEB	WG	202	2,3	-	9/24/74/74	0/4/4/4
31	PEB	bD	201	3	-	10/24/74/74	0/4/4/4
31	PEB	R4	202	2	-	11/24/74/74	0/4/4/4
31	PEB	UE	201	2,3	-	5/24/74/74	0/4/4/4
31	PEB	NG	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	A7	201	3	-	4/24/74/74	0/4/4/4
33	CYC	H3	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	MA	202	2	-	9/24/74/74	0/4/4/4
33	CYC	v3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	GH	202	3	-	7/24/74/74	0/4/4/4
31	PEB	KG	203	3	-	10/24/74/74	0/4/4/4
31	PEB	VB	201	2	-	4/24/74/74	0/4/4/4
31	PEB	YE	202	2	-	12/24/74/74	0/4/4/4
31	PEB	U9	201	2,14	-	11/24/74/74	0/4/4/4
31	PEB	HH	201	2	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	E7	201	3	-	7/24/74/74	0/4/4/4
31	PEB	l4	202	3	-	6/24/74/74	0/4/4/4
31	PEB	N9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	fF	201	2,12	-	11/24/74/74	0/4/4/4
31	PEB	G7	202	3	-	4/24/74/74	0/4/4/4
31	PEB	OD	201	3	-	9/24/74/74	0/4/4/4
31	PEB	Z4	202	2	-	9/24/74/74	0/4/4/4
31	PEB	g2	202	2	-	6/24/74/74	0/4/4/4
31	PEB	gE	202	2	-	11/24/74/74	0/4/4/4
31	PEB	f8	201	2,12	-	11/24/74/74	0/4/4/4
33	CYC	K6	1001	8	-	7/25/74/74	0/4/4/4
31	PEB	YG	201	2,11	-	10/24/74/74	0/4/4/4
31	PEB	YC	202	2	-	8/24/74/74	0/4/4/4
33	CYC	MD	1001	8,9	-	7/25/74/74	0/4/4/4
31	PEB	P4	202	2	-	9/24/74/74	0/4/4/4
31	PEB	b6	202	3	-	8/24/74/74	0/4/4/4
31	PEB	GK	201	3	-	6/24/74/74	0/4/4/4
33	CYC	IE	1001	8,9	-	8/25/74/74	0/4/4/4
31	PEB	T8	202	2	-	15/24/74/74	0/4/4/4
31	PEB	i8	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	h6	202	3	-	9/24/74/74	0/4/4/4
31	PEB	CK	201	3	-	9/24/74/74	0/4/4/4
31	PEB	X4	202	2	-	9/24/74/74	0/4/4/4
31	PEB	VK	203	2	-	7/24/74/74	0/4/4/4
33	CYC	F2	1001	9	-	6/25/74/74	0/4/4/4
31	PEB	KG	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	P4	201	2	-	12/24/74/74	0/4/4/4
31	PEB	l4	203	3	-	12/24/74/74	0/4/4/4
31	PEB	P2	201	2,10	-	5/24/74/74	0/4/4/4
31	PEB	M4	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	m8	202	3	-	11/24/74/74	0/4/4/4
31	PEB	SK	201	3	-	6/24/74/74	0/4/4/4
31	PEB	q8	202	3	-	15/24/74/74	0/4/4/4
31	PEB	nF	202	2	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	OF	202	3	-	9/24/74/74	0/4/4/4
31	PEB	QF	201	3	-	8/24/74/74	0/4/4/4
31	PEB	I5	202	2,26	-	7/24/74/74	0/4/4/4
31	PEB	EF	201	3	-	9/24/74/74	0/4/4/4
31	PEB	T2	202	2	-	15/24/74/74	0/4/4/4
31	PEB	Y2	201	2	-	7/24/74/74	0/4/4/4
31	PEB	VK	201	2,15	-	11/24/74/74	0/4/4/4
31	PEB	DF	203	2,3	-	12/24/74/74	0/4/4/4
31	PEB	a4	202	3	-	7/24/74/74	0/4/4/4
31	PEB	o8	202	3	-	9/24/74/74	0/4/4/4
31	PEB	TJ	201	2,3	-	13/24/74/74	0/4/4/4
31	PEB	C4	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	l4	201	2,3	-	8/24/74/74	0/4/4/4
33	CYC	CE	1001	8,9	-	8/25/74/74	0/4/4/4
31	PEB	iC	202	2	-	9/24/74/74	0/4/4/4
31	PEB	l2	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	DI	203	2	-	9/24/74/74	0/4/4/4
31	PEB	P8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	YJ	201	2	-	8/24/74/74	0/4/4/4
31	PEB	DF	202	2	-	12/24/74/74	0/4/4/4
31	PEB	QA	202	2,4	-	9/24/74/74	0/4/4/4
31	PEB	L8	202	2	-	14/24/74/74	0/4/4/4
31	PEB	KA	301	2,4	-	9/24/74/74	0/4/4/4
31	PEB	c8	201	3	-	11/24/74/74	0/4/4/4
32	PUB	AE	302	6	-	9/24/74/74	0/4/4/4
31	PEB	N4	202	2	-	9/24/74/74	0/4/4/4
33	CYC	73	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	YE	201	2	-	10/24/74/74	0/4/4/4
31	PEB	RG	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	TK	202	2	-	9/24/74/74	0/4/4/4
31	PEB	TI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	B9	201	2,14,31	-	11/24/74/74	0/4/4/4
33	CYC	j3	1001	24,20	-	4/25/74/74	0/4/4/4
33	CYC	y3	1001	22	-	10/25/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	UA	302	2,4	-	9/24/74/74	0/4/4/4
31	PEB	ND	201	8,9	-	10/24/74/74	0/4/4/4
31	PEB	BI	201	2	-	12/24/74/74	0/4/4/4
32	PUB	N5	201	6,3	-	3/24/74/74	0/4/4/4
31	PEB	eF	201	2,3	-	11/24/74/74	0/4/4/4
31	PEB	O8	202	3	-	9/24/74/74	0/4/4/4
31	PEB	Y9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	eD	203	2	-	13/24/74/74	0/4/4/4
31	PEB	HJ	202	3	-	12/24/74/74	0/4/4/4
31	PEB	R1	202	2	-	10/24/74/74	0/4/4/4
31	PEB	QA	204	2	-	10/24/74/74	0/4/4/4
31	PEB	OE	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	e6	202	2	-	10/24/74/74	0/4/4/4
33	CYC	i3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	HC	1002	9	-	8/24/74/74	0/4/4/4
31	PEB	iF	203	3	-	12/24/74/74	0/4/4/4
33	CYC	BD	1001	9,7	-	12/25/74/74	0/4/4/4
31	PEB	LJ	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	hD	202	3	-	11/24/74/74	0/4/4/4
31	PEB	U2	202	3	-	6/24/74/74	0/4/4/4
33	CYC	NC	1001	9,7	-	8/25/74/74	0/4/4/4
33	CYC	JC	1001	9	-	5/25/74/74	0/4/4/4
31	PEB	RE	202	2	-	11/24/74/74	0/4/4/4
31	PEB	A1	202	3	-	12/24/74/74	0/4/4/4
31	PEB	D9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	XJ	203	3	-	10/24/74/74	0/4/4/4
31	PEB	BJ	201	3	-	11/24/74/74	0/4/4/4
31	PEB	hD	203	3	-	7/24/74/74	0/4/4/4
31	PEB	j2	201	3	-	9/24/74/74	0/4/4/4
31	PEB	eE	202	2	-	6/24/74/74	0/4/4/4
31	PEB	UD	202	3	-	9/24/74/74	0/4/4/4
31	PEB	bB	202	3	-	8/24/74/74	0/4/4/4
33	CYC	D2	1001	9	-	6/25/74/74	0/4/4/4
31	PEB	DJ	203	3	-	10/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	k2	201	2	-	8/24/74/74	0/4/4/4
31	PEB	SC	201	3	-	5/24/74/74	0/4/4/4
31	PEB	C7	203	3	-	9/24/74/74	0/4/4/4
31	PEB	V5	203	2,3	-	14/24/74/74	0/4/4/4
33	CYC	DE	1001	9	-	11/25/74/74	0/4/4/4
31	PEB	UA	301	2,4	-	9/24/74/74	0/4/4/4
31	PEB	dB	201	3	-	8/24/74/74	0/4/4/4
31	PEB	mB	202	2	-	8/24/74/74	0/4/4/4
31	PEB	N6	1002	9	-	8/24/74/74	0/4/4/4
31	PEB	IF	202	3	-	14/24/74/74	0/4/4/4
31	PEB	S7	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	gH	201	2	-	9/24/74/74	0/4/4/4
31	PEB	LI	201	2	-	10/24/74/74	0/4/4/4
31	PEB	E7	203	2,3	-	11/24/74/74	0/4/4/4
31	PEB	a2	202	2	-	10/24/74/74	0/4/4/4
31	PEB	JJ	202	3	-	14/24/74/74	0/4/4/4
31	PEB	H9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	K4	201	3	-	8/24/74/74	0/4/4/4
31	PEB	DH	201	2	-	11/24/74/74	0/4/4/4
31	PEB	J5	203	3	-	12/24/74/74	0/4/4/4
31	PEB	K1	201	3	-	7/24/74/74	0/4/4/4
31	PEB	D8	202	2	-	12/24/74/74	0/4/4/4
31	PEB	E4	203	3	-	11/24/74/74	0/4/4/4
31	PEB	W4	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	I8	202	3	-	14/24/74/74	0/4/4/4
33	CYC	L3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	MK	202	3	-	13/24/74/74	0/4/4/4
33	CYC	F3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	F5	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	j8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	O4	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	AI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	JI	202	2	-	8/24/74/74	0/4/4/4
31	PEB	Q9	201	2,14	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	Y4	202	3	-	8/24/74/74	0/4/4/4
31	PEB	H9	201	2,14	-	11/24/74/74	0/4/4/4
31	PEB	XF	201	2	-	10/24/74/74	0/4/4/4
31	PEB	E5	202	2,26	-	12/24/74/74	0/4/4/4
31	PEB	Y6	201	2	-	2/24/74/74	0/4/4/4
32	PUB	yF	303	13	-	5/24/74/74	0/4/4/4
31	PEB	JF	201	2	-	8/24/74/74	0/4/4/4
31	PEB	SI	202	2	-	7/24/74/74	0/4/4/4
31	PEB	mE	203	2	-	8/24/74/74	0/4/4/4
33	CYC	Q3	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	II	202	3	-	15/24/74/74	0/4/4/4
31	PEB	FG	202	2	-	8/24/74/74	0/4/4/4
31	PEB	hE	203	3	-	7/24/74/74	0/4/4/4
31	PEB	f4	202	3	-	11/24/74/74	0/4/4/4
31	PEB	AB	304	6	-	9/24/74/74	0/4/4/4
31	PEB	GF	203	3	-	9/24/74/74	0/4/4/4
31	PEB	Q5	201	2,6	-	2/24/74/74	0/4/4/4
33	CYC	U3	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	VC	201	2	-	2/24/74/74	0/4/4/4
31	PEB	WJ	202	2,6	-	4/24/74/74	0/4/4/4
31	PEB	UG	201	2	-	7/24/74/74	0/4/4/4
31	PEB	KH	202	3	-	15/24/74/74	0/4/4/4
31	PEB	b7	501	2	-	9/24/74/74	0/4/4/4
31	PEB	kE	201	2	-	13/24/74/74	0/4/4/4
31	PEB	L8	201	2	-	9/24/74/74	0/4/4/4
31	PEB	R6	202	2	-	10/24/74/74	0/4/4/4
31	PEB	T6	203	2	-	11/24/74/74	0/4/4/4
31	PEB	rF	201	2,12	-	11/24/74/74	0/4/4/4
31	PEB	QD	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	hH	202	3	-	6/24/74/74	0/4/4/4
31	PEB	TG	203	3	-	10/24/74/74	0/4/4/4
31	PEB	hE	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	eF	203	3	-	9/24/74/74	0/4/4/4
31	PEB	FF	201	2	-	5/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	CYC	C2	1001	8,9	-	9/25/74/74	0/4/4/4
31	PEB	UE	202	3	-	9/24/74/74	0/4/4/4
31	PEB	lF	202	2	-	13/24/74/74	0/4/4/4
31	PEB	NJ	202	3	-	11/24/74/74	0/4/4/4
31	PEB	X9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	NH	201	2	-	9/24/74/74	0/4/4/4
33	CYC	p3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	d8	201	2	-	10/24/74/74	0/4/4/4
31	PEB	Z4	201	2	-	10/24/74/74	0/4/4/4
31	PEB	T6	201	2	-	5/24/74/74	0/4/4/4
31	PEB	P6	201	2	-	5/24/74/74	0/4/4/4
31	PEB	RI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	cC	202	2	-	11/24/74/74	0/4/4/4
31	PEB	W7	202	3	-	4/24/74/74	0/4/4/4
31	PEB	UI	204	2,3	-	9/24/74/74	0/4/4/4
31	PEB	d2	203	3	-	10/24/74/74	0/4/4/4
31	PEB	EI	202	3	-	15/24/74/74	0/4/4/4
32	PUB	wF	304	12	-	7/24/74/74	0/4/4/4
31	PEB	yF	301	13	-	8/24/74/74	0/4/4/4
31	PEB	X4	201	2	-	9/24/74/74	0/4/4/4
31	PEB	ZI	303	14	-	11/24/74/74	0/4/4/4
31	PEB	TH	202	2	-	9/24/74/74	0/4/4/4
31	PEB	AB	301	6	-	7/24/74/74	0/4/4/4
31	PEB	Z9	301	14,31	-	8/24/74/74	0/4/4/4
31	PEB	RE	201	2	-	8/24/74/74	0/4/4/4
31	PEB	Q4	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	DJ	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	DA	202	2	-	9/24/74/74	0/4/4/4
31	PEB	L1	202	2	-	9/24/74/74	0/4/4/4
31	PEB	S2	201	3	-	5/24/74/74	0/4/4/4
33	CYC	E3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	U1	202	3	-	11/24/74/74	0/4/4/4
31	PEB	QD	203	3	-	10/24/74/74	0/4/4/4
31	PEB	K8	203	3	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	Y9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	e2	202	2	-	11/24/74/74	0/4/4/4
31	PEB	UA	304	2,4	-	13/24/74/74	0/4/4/4
31	PEB	fB	202	3	-	10/24/74/74	0/4/4/4
31	PEB	O2	202	3	-	7/24/74/74	0/4/4/4
31	PEB	gA	201	2	-	11/24/74/74	0/4/4/4
33	CYC	t3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	kB	202	2	-	13/24/74/74	0/4/4/4
31	PEB	JG	202	2	-	9/24/74/74	0/4/4/4
31	PEB	I4	202	3	-	7/24/74/74	0/4/4/4
33	CYC	I6	1001	8	-	9/25/74/74	0/4/4/4
31	PEB	GA	203	2	-	12/24/74/74	0/4/4/4
31	PEB	D1	202	2	-	14/24/74/74	0/4/4/4
31	PEB	SK	202	3	-	8/24/74/74	0/4/4/4
31	PEB	BK	201	2,31	-	8/24/74/74	0/4/4/4
31	PEB	RC	201	2	-	7/24/74/74	0/4/4/4
31	PEB	EH	202	3	-	5/24/74/74	0/4/4/4
31	PEB	A4	301	12	-	11/24/74/74	0/4/4/4
31	PEB	OH	202	3	-	15/24/74/74	0/4/4/4
31	PEB	IF	201	3	-	9/24/74/74	0/4/4/4
31	PEB	fC	202	3	-	9/24/74/74	0/4/4/4
31	PEB	b8	201	2	-	4/24/74/74	0/4/4/4
31	PEB	R9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	SD	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	dD	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	SF	201	2,3	-	4/24/74/74	0/4/4/4
33	CYC	N6	1001	9	-	11/25/74/74	0/4/4/4
31	PEB	TF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	P1	203	2	-	7/24/74/74	0/4/4/4
31	PEB	TJ	203	3	-	13/24/74/74	0/4/4/4
33	CYC	GB	1001	8	-	6/25/74/74	0/4/4/4
31	PEB	AJ	302	6	-	10/24/74/74	0/4/4/4
33	CYC	g3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	EG	201	3	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	E9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	Q8	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	BG	203	2	-	8/24/74/74	0/4/4/4
33	CYC	S3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	g4	202	2	-	10/24/74/74	0/4/4/4
31	PEB	aH	204	2,3	-	5/24/74/74	0/4/4/4
31	PEB	OE	201	3	-	9/24/74/74	0/4/4/4
31	PEB	eB	201	2	-	5/24/74/74	0/4/4/4
33	CYC	NB	1001	9	-	11/25/74/74	0/4/4/4
31	PEB	XH	201	2	-	5/24/74/74	0/4/4/4
31	PEB	XA	201	2	-	8/24/74/74	0/4/4/4
31	PEB	c8	202	3	-	13/24/74/74	0/4/4/4
31	PEB	I8	201	3	-	9/24/74/74	0/4/4/4
33	CYC	d3	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	S9	201	2,14	-	11/24/74/74	0/4/4/4
31	PEB	O6	202	3	-	6/24/74/74	0/4/4/4
31	PEB	A2	302	6	-	11/24/74/74	0/4/4/4
31	PEB	JH	202	2	-	8/24/74/74	0/4/4/4
31	PEB	R1	201	2	-	5/24/74/74	0/4/4/4
31	PEB	OB	201	3	-	9/24/74/74	0/4/4/4
31	PEB	X8	202	2	-	5/24/74/74	0/4/4/4
31	PEB	C5	201	2	-	7/24/74/74	0/4/4/4
31	PEB	G7	203	3	-	9/24/74/74	0/4/4/4
33	CYC	ID	1001	8,9	-	8/25/74/74	0/4/4/4
31	PEB	AI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	iH	202	2,12	-	5/24/74/74	0/4/4/4
33	CYC	J2	1001	9	-	4/25/74/74	0/4/4/4
31	PEB	hD	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	M5	201	2	-	7/24/74/74	0/4/4/4
31	PEB	TK	203	2	-	7/24/74/74	0/4/4/4
31	PEB	kC	201	2	-	8/24/74/74	0/4/4/4
31	PEB	FJ	201	3	-	13/24/74/74	0/4/4/4
31	PEB	T5	203	3	-	13/24/74/74	0/4/4/4
31	PEB	O1	202	3	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	CYC	FD	202	8,9	-	8/25/74/74	0/4/4/4
31	PEB	QE	203	3	-	10/24/74/74	0/4/4/4
33	CYC	FC	1001	9	-	6/25/74/74	0/4/4/4
31	PEB	iD	201	2	-	10/24/74/74	0/4/4/4
31	PEB	WB	201	3	-	7/24/74/74	0/4/4/4
31	PEB	N5	202	3	-	11/24/74/74	0/4/4/4
31	PEB	O9	203	2	-	14/24/74/74	0/4/4/4
31	PEB	RH	201	2	-	5/24/74/74	0/4/4/4
31	PEB	J9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	h2	202	3	-	11/24/74/74	0/4/4/4
31	PEB	b7	503	2,27	-	9/24/74/74	0/4/4/4
31	PEB	JC	1002	9	-	9/24/74/74	0/4/4/4
31	PEB	OC	202	3	-	7/24/74/74	0/4/4/4
31	PEB	WJ	201	2	-	8/24/74/74	0/4/4/4
33	CYC	EE	1001	8,9	-	6/25/74/74	0/4/4/4
31	PEB	M4	202	3	-	7/24/74/74	0/4/4/4
31	PEB	YK	302	31,6	-	13/24/74/74	0/4/4/4
31	PEB	Z9	303	14	-	13/24/74/74	0/4/4/4
31	PEB	o8	203	3	-	17/24/74/74	0/4/4/4
31	PEB	f2	202	3	-	9/24/74/74	0/4/4/4
31	PEB	N5	204	2,3	-	12/24/74/74	0/4/4/4
31	PEB	VD	202	2	-	10/24/74/74	0/4/4/4
31	PEB	fE	201	3	-	10/24/74/74	0/4/4/4
31	PEB	A5	302	6	-	10/24/74/74	0/4/4/4
31	PEB	H5	203	3	-	12/24/74/74	0/4/4/4
32	PUB	Y1	304	6	-	3/24/74/74	0/4/4/4
31	PEB	O9	201	2,14,31	-	9/24/74/74	0/4/4/4
31	PEB	lF	201	2	-	11/24/74/74	0/4/4/4
31	PEB	SE	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	YB	201	2	-	2/24/74/74	0/4/4/4
31	PEB	WI	202	2	-	11/24/74/74	0/4/4/4
31	PEB	YB	202	2	-	6/24/74/74	0/4/4/4
31	PEB	GH	203	2,3	-	8/24/74/74	0/4/4/4
32	PUB	MI	303	14	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	i6	201	2	-	6/24/74/74	0/4/4/4
31	PEB	YH	203	3	-	9/24/74/74	0/4/4/4
31	PEB	S4	202	3	-	12/24/74/74	0/4/4/4
31	PEB	HF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	HG	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	WE	201	3	-	7/24/74/74	0/4/4/4
31	PEB	X5	202	3	-	11/24/74/74	0/4/4/4
33	CYC	KD	202	-	-	13/25/74/74	0/4/4/4
31	PEB	V2	202	2	-	9/24/74/74	0/4/4/4
31	PEB	Y9	201	2,14	-	10/24/74/74	0/4/4/4
31	PEB	z8	501	2,28	-	6/24/74/74	0/4/4/4
31	PEB	E5	201	2	-	7/24/74/74	0/4/4/4
31	PEB	MA	201	2	-	3/24/74/74	0/4/4/4
31	PEB	d5	401	2,26	-	11/24/74/74	0/4/4/4
31	PEB	YA	201	2	-	8/24/74/74	0/4/4/4
31	PEB	kD	201	2	-	11/24/74/74	0/4/4/4
31	PEB	VJ	201	3	-	12/24/74/74	0/4/4/4
31	PEB	D4	202	2,13	-	10/24/74/74	0/4/4/4
31	PEB	LJ	203	3	-	11/24/74/74	0/4/4/4
31	PEB	SE	203	-	-	10/24/74/74	0/4/4/4
31	PEB	Q4	203	3	-	9/24/74/74	0/4/4/4
31	PEB	N8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	n8	202	2	-	11/24/74/74	0/4/4/4
33	CYC	E2	1001	8,9	-	7/25/74/74	0/4/4/4
31	PEB	SG	201	2	-	12/24/74/74	0/4/4/4
31	PEB	eD	202	2	-	6/24/74/74	0/4/4/4
31	PEB	IH	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	OC	201	3	-	11/24/74/74	0/4/4/4
31	PEB	ZA	202	2	-	10/24/74/74	0/4/4/4
31	PEB	MH	202	3	-	4/24/74/74	0/4/4/4
31	PEB	LJ	202	3	-	9/24/74/74	0/4/4/4
31	PEB	lC	201	3	-	10/24/74/74	0/4/4/4
31	PEB	q8	203	3	-	10/24/74/74	0/4/4/4
31	PEB	X1	201	2,15	-	5/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	H1	202	2	-	8/24/74/74	0/4/4/4
31	PEB	BG	201	2	-	9/24/74/74	0/4/4/4
31	PEB	OF	203	3	-	10/24/74/74	0/4/4/4
33	CYC	c3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	RK	202	2	-	10/24/74/74	0/4/4/4
31	PEB	VD	201	2	-	8/24/74/74	0/4/4/4
32	PUB	AD	302	6	-	9/24/74/74	0/4/4/4
31	PEB	a4	203	3	-	15/24/74/74	0/4/4/4
31	PEB	F2	1002	9	-	11/24/74/74	0/4/4/4
33	CYC	IB	1001	8	-	9/25/74/74	0/4/4/4
31	PEB	H7	201	2,27	-	6/24/74/74	0/4/4/4
31	PEB	E1	202	3	-	11/24/74/74	0/4/4/4
31	PEB	L1	203	2	-	9/24/74/74	0/4/4/4
32	PUB	K1	203	6,3	-	6/24/74/74	0/4/4/4
31	PEB	OJ	202	2	-	14/24/74/74	0/4/4/4
31	PEB	B7	201	2	-	8/24/74/74	0/4/4/4
31	PEB	UG	202	2	-	7/24/74/74	0/4/4/4
31	PEB	IF	203	2,3	-	4/24/74/74	0/4/4/4
32	PUB	M9	304	14,3	-	8/24/74/74	0/4/4/4
31	PEB	V8	202	2	-	13/24/74/74	0/4/4/4
31	PEB	W5	202	2,6	-	4/24/74/74	0/4/4/4
31	PEB	cH	201	2	-	8/24/74/74	0/4/4/4
31	PEB	hH	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	M9	303	14	-	13/24/74/74	0/4/4/4
32	PUB	AB	303	6	-	7/24/74/74	0/4/4/4
31	PEB	a8	203	3	-	11/24/74/74	0/4/4/4
31	PEB	X8	201	2	-	9/24/74/74	0/4/4/4
31	PEB	wF	302	12	-	9/24/74/74	0/4/4/4
31	PEB	ZB	202	3	-	9/24/74/74	0/4/4/4
31	PEB	V9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	g8	201	3	-	6/24/74/74	0/4/4/4
31	PEB	CI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	T1	203	2	-	7/24/74/74	0/4/4/4
31	PEB	gD	202	2	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	DF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	H1	203	2	-	12/24/74/74	0/4/4/4
31	PEB	RA	201	2,5	-	6/24/74/74	0/4/4/4
31	PEB	v8	202	2	-	9/24/74/74	0/4/4/4
31	PEB	PJ	202	3	-	10/24/74/74	0/4/4/4
31	PEB	RG	202	3	-	10/24/74/74	0/4/4/4
33	CYC	H2	1001	9	-	7/25/74/74	0/4/4/4
31	PEB	kB	201	2	-	8/24/74/74	0/4/4/4
31	PEB	JG	201	2	-	8/24/74/74	0/4/4/4
31	PEB	b7	502	2	-	4/24/74/74	0/4/4/4
31	PEB	hB	201	3	-	10/24/74/74	0/4/4/4
31	PEB	SI	201	2,14	-	13/24/74/74	0/4/4/4
31	PEB	OI	202	2	-	11/24/74/74	0/4/4/4
33	CYC	GD	201	8,9	-	7/25/74/74	0/4/4/4
32	PUB	AH	304	12	-	9/24/74/74	0/4/4/4
31	PEB	U5	201	2,6	-	9/24/74/74	0/4/4/4
31	PEB	FG	201	2	-	12/24/74/74	0/4/4/4
31	PEB	W8	202	3	-	8/24/74/74	0/4/4/4
31	PEB	fH	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	C7	202	3	-	6/24/74/74	0/4/4/4
31	PEB	KH	201	3	-	5/24/74/74	0/4/4/4
31	PEB	O5	202	2	-	14/24/74/74	0/4/4/4
31	PEB	P5	203	3	-	12/24/74/74	0/4/4/4
31	PEB	GF	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	G7	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	BK	202	2	-	8/24/74/74	0/4/4/4
31	PEB	fE	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	CA	202	2,1	-	3/24/74/74	0/4/4/4
31	PEB	k8	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	JJ	203	3	-	12/24/74/74	0/4/4/4
31	PEB	lF	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	O7	202	3	-	4/24/74/74	0/4/4/4
31	PEB	R2	201	2	-	7/24/74/74	0/4/4/4
31	PEB	VE	201	2	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	fH	201	3	-	5/24/74/74	0/4/4/4
31	PEB	UI	202	2	-	10/24/74/74	0/4/4/4
31	PEB	iE	201	2	-	10/24/74/74	0/4/4/4
31	PEB	R1	203	2	-	11/24/74/74	0/4/4/4
31	PEB	VI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	S5	202	2	-	9/24/74/74	0/4/4/4
31	PEB	MF	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	L5	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	BH	301	13	-	8/24/74/74	0/4/4/4
31	PEB	IK	202	3	-	12/24/74/74	0/4/4/4
31	PEB	m8	201	3	-	6/24/74/74	0/4/4/4
31	PEB	lE	202	3	-	14/24/74/74	0/4/4/4
33	CYC	J6	1001	9	-	9/25/74/74	0/4/4/4
31	PEB	J5	201	2,3	-	14/24/74/74	0/4/4/4
31	PEB	A5	304	6,31	-	11/24/74/74	0/4/4/4
31	PEB	MF	202	3	-	10/24/74/74	0/4/4/4
31	PEB	I7	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	E4	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	j8	202	2	-	12/24/74/74	0/4/4/4
31	PEB	U6	201	3	-	8/24/74/74	0/4/4/4
31	PEB	eE	201	2	-	9/24/74/74	0/4/4/4
31	PEB	FI	203	2	-	11/24/74/74	0/4/4/4
31	PEB	AJ	304	6,31	-	11/24/74/74	0/4/4/4
31	PEB	a4	201	3,12	-	10/24/74/74	0/4/4/4
32	PUB	w8	304	12	-	7/24/74/74	0/4/4/4
31	PEB	g6	201	2	-	4/24/74/74	0/4/4/4
31	PEB	VG	201	3	-	8/24/74/74	0/4/4/4
32	PUB	AE	303	6	-	8/24/74/74	0/4/4/4
31	PEB	VJ	203	2,3	-	14/24/74/74	0/4/4/4
31	PEB	XI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	c6	202	2	-	11/24/74/74	0/4/4/4
32	PUB	xF	306	12	-	6/24/74/74	0/4/4/4
31	PEB	jB	202	3	-	8/24/74/74	0/4/4/4
31	PEB	B8	202	2	-	13/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	f4	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	C4	201	3	-	7/24/74/74	0/4/4/4
31	PEB	gF	201	3	-	6/24/74/74	0/4/4/4
31	PEB	P6	203	2	-	6/24/74/74	0/4/4/4
31	PEB	oF	201	3	-	13/24/74/74	0/4/4/4
31	PEB	iD	202	2	-	10/24/74/74	0/4/4/4
33	CYC	W3	1001	22	-	10/25/74/74	0/4/4/4
31	PEB	tF	202	2	-	11/24/74/74	0/4/4/4
31	PEB	OJ	201	2,6,31	-	8/24/74/74	0/4/4/4
33	CYC	w3	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	F7	202	2	-	7/24/74/74	0/4/4/4
31	PEB	O4	202	3	-	7/24/74/74	0/4/4/4
31	PEB	a8	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	W9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	K8	202	3	-	4/24/74/74	0/4/4/4
31	PEB	M9	302	14	-	9/24/74/74	0/4/4/4
31	PEB	vF	202	2	-	9/24/74/74	0/4/4/4
31	PEB	mE	201	2	-	6/24/74/74	0/4/4/4
33	CYC	JC	1003	8,9	-	9/25/74/74	0/4/4/4
31	PEB	S1	201	3	-	6/24/74/74	0/4/4/4
31	PEB	EK	201	3	-	7/24/74/74	0/4/4/4
31	PEB	dE	203	3	-	8/24/74/74	0/4/4/4
31	PEB	RJ	203	2,3	-	10/24/74/74	0/4/4/4
32	PUB	xF	305	12	-	8/24/74/74	0/4/4/4
31	PEB	VI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	C9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	G9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	R8	202	2	-	13/24/74/74	0/4/4/4
31	PEB	J7	201	2	-	6/24/74/74	0/4/4/4
31	PEB	cA	403	5,2	-	6/24/74/74	0/4/4/4
31	PEB	cB	203	2	-	12/24/74/74	0/4/4/4
31	PEB	S4	201	3	-	10/24/74/74	0/4/4/4
31	PEB	L9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	KI	202	3	-	15/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	F1	203	2	-	11/24/74/74	0/4/4/4
31	PEB	CA	201	2	-	9/24/74/74	0/4/4/4
31	PEB	mD	202	2	-	7/24/74/74	0/4/4/4
31	PEB	C8	202	3	-	6/24/74/74	0/4/4/4
31	PEB	G8	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	UE	203	3	-	13/24/74/74	0/4/4/4
31	PEB	h6	201	3	-	10/24/74/74	0/4/4/4
31	PEB	LE	1002	8,9	-	10/24/74/74	0/4/4/4
31	PEB	B4	301	13	-	12/24/74/74	0/4/4/4
31	PEB	j4	202	3	-	15/24/74/74	0/4/4/4
31	PEB	UF	201	3	-	8/24/74/74	0/4/4/4
31	PEB	RD	202	2	-	11/24/74/74	0/4/4/4
31	PEB	d4	203	3	-	13/24/74/74	0/4/4/4
31	PEB	YI	202	2	-	7/24/74/74	0/4/4/4
31	PEB	IH	203	3	-	9/24/74/74	0/4/4/4
31	PEB	I8	203	2,3	-	4/24/74/74	0/4/4/4
31	PEB	LD	1002	8,9	-	10/24/74/74	0/4/4/4
32	PUB	x8	305	12	-	8/24/74/74	0/4/4/4
31	PEB	dE	204	3	-	13/24/74/74	0/4/4/4
31	PEB	l6	201	3	-	8/24/74/74	0/4/4/4
31	PEB	W1	202	3	-	12/24/74/74	0/4/4/4
33	CYC	KB	1001	8	-	7/25/74/74	0/4/4/4
31	PEB	A1	201	3	-	11/24/74/74	0/4/4/4
31	PEB	JH	201	2	-	8/24/74/74	0/4/4/4
31	PEB	d4	202	3	-	9/24/74/74	0/4/4/4
33	CYC	J3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	j2	202	3	-	8/24/74/74	0/4/4/4
31	PEB	jC	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	WD	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	Y8	201	3	-	7/24/74/74	0/4/4/4
31	PEB	IA	202	2	-	8/24/74/74	0/4/4/4
31	PEB	B9	202	2	-	9/24/74/74	0/4/4/4
33	CYC	KE	202	8,9	-	9/25/74/74	0/4/4/4
31	PEB	OB	202	3	-	6/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	NJ	204	2,3	-	12/24/74/74	0/4/4/4
31	PEB	mF	202	3	-	11/24/74/74	0/4/4/4
31	PEB	W2	201	3	-	8/24/74/74	0/4/4/4
31	PEB	T2	201	2,10	-	9/24/74/74	0/4/4/4
32	PUB	xF	301	12	-	7/24/74/74	0/4/4/4
31	PEB	JB	1002	9	-	12/24/74/74	0/4/4/4
31	PEB	ZA	201	2	-	10/24/74/74	0/4/4/4
31	PEB	MH	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	aB	203	2	-	12/24/74/74	0/4/4/4
31	PEB	HJ	203	3	-	12/24/74/74	0/4/4/4
31	PEB	j6	202	3	-	8/24/74/74	0/4/4/4
31	PEB	FC	1002	9	-	11/24/74/74	0/4/4/4
31	PEB	C8	203	3	-	11/24/74/74	0/4/4/4
31	PEB	S7	202	3	-	4/24/74/74	0/4/4/4
31	PEB	kB	203	2	-	12/24/74/74	0/4/4/4
31	PEB	F7	201	2,27	-	6/24/74/74	0/4/4/4
31	PEB	jC	201	3	-	9/24/74/74	0/4/4/4
31	PEB	f2	203	2,3	-	12/24/74/74	0/4/4/4
31	PEB	D1	203	2	-	11/24/74/74	0/4/4/4
31	PEB	A2	305	6	-	12/24/74/74	0/4/4/4
31	PEB	JE	201	8	-	9/24/74/74	0/4/4/4
31	PEB	G1	201	3	-	6/24/74/74	0/4/4/4
31	PEB	V6	202	2	-	12/24/74/74	0/4/4/4
31	PEB	S6	201	3	-	10/24/74/74	0/4/4/4
31	PEB	UJ	201	2,6	-	9/24/74/74	0/4/4/4
31	PEB	WC	202	3	-	9/24/74/74	0/4/4/4
31	PEB	RJ	202	3	-	10/24/74/74	0/4/4/4
31	PEB	O7	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	k6	202	2	-	13/24/74/74	0/4/4/4
31	PEB	MI	304	14	-	11/24/74/74	0/4/4/4
31	PEB	BA	202	2	-	7/24/74/74	0/4/4/4
33	CYC	M6	1001	8	-	8/25/74/74	0/4/4/4
31	PEB	TC	202	2	-	15/24/74/74	0/4/4/4
32	PUB	A4	303	12	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	CYC	GE	201	8,9	-	7/25/74/74	0/4/4/4
31	PEB	KE	201	8,9	-	6/24/74/74	0/4/4/4
31	PEB	fA	301	2,29	-	12/24/74/74	0/4/4/4
31	PEB	hH	203	3	-	13/24/74/74	0/4/4/4
31	PEB	UI	201	2,14	-	11/24/74/74	0/4/4/4
31	PEB	B1	202	2	-	8/24/74/74	0/4/4/4
31	PEB	Y4	201	2,3	-	7/24/74/74	0/4/4/4
33	CYC	BE	1001	9,7	-	12/25/74/74	0/4/4/4
31	PEB	pF	202	2	-	11/24/74/74	0/4/4/4
31	PEB	D5	203	3	-	10/24/74/74	0/4/4/4
31	PEB	F9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	X8	203	2	-	11/24/74/74	0/4/4/4
31	PEB	UK	201	3	-	5/24/74/74	0/4/4/4
31	PEB	m2	202	2	-	10/24/74/74	0/4/4/4
31	PEB	bC	202	3	-	9/24/74/74	0/4/4/4
31	PEB	C4	202	3	-	11/24/74/74	0/4/4/4
31	PEB	fC	203	2,3	-	12/24/74/74	0/4/4/4
31	PEB	NK	203	2	-	8/24/74/74	0/4/4/4
31	PEB	NG	202	3	-	10/24/74/74	0/4/4/4
31	PEB	UD	201	2,3	-	5/24/74/74	0/4/4/4
31	PEB	BI	203	2	-	9/24/74/74	0/4/4/4
32	PUB	B4	302	13	-	9/24/74/74	0/4/4/4
31	PEB	M7	203	2,3	-	11/24/74/74	0/4/4/4
31	PEB	CH	202	3	-	9/24/74/74	0/4/4/4
31	PEB	gA	202	2	-	8/24/74/74	0/4/4/4
31	PEB	f4	201	3	-	5/24/74/74	0/4/4/4
31	PEB	DK	202	2	-	14/24/74/74	0/4/4/4
31	PEB	Q5	202	2	-	12/24/74/74	0/4/4/4
31	PEB	SH	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	Q8	202	3	-	7/24/74/74	0/4/4/4
31	PEB	hF	202	2	-	9/24/74/74	0/4/4/4
31	PEB	Q7	202	3	-	11/24/74/74	0/4/4/4
31	PEB	D8	203	2,3	-	12/24/74/74	0/4/4/4
31	PEB	WE	203	2,3	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	PUB	A6	303	6	-	7/24/74/74	0/4/4/4
31	PEB	CH	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	N5	203	3	-	12/24/74/74	0/4/4/4
31	PEB	RA	202	2	-	10/24/74/74	0/4/4/4
31	PEB	AH	302	12	-	8/24/74/74	0/4/4/4
31	PEB	hA	301	2,29	-	12/24/74/74	0/4/4/4
31	PEB	UI	203	2	-	7/24/74/74	0/4/4/4
31	PEB	Q7	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	QI	202	2	-	7/24/74/74	0/4/4/4
31	PEB	fC	201	3	-	9/24/74/74	0/4/4/4
31	PEB	g6	203	2	-	10/24/74/74	0/4/4/4
31	PEB	OC	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	LI	202	2	-	8/24/74/74	0/4/4/4
31	PEB	kD	202	2,6	-	8/24/74/74	0/4/4/4
31	PEB	T8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	cB	201	2	-	7/24/74/74	0/4/4/4
32	PUB	y8	302	13	-	3/24/74/74	0/4/4/4
31	PEB	JJ	201	2,3	-	14/24/74/74	0/4/4/4
31	PEB	NK	201	2	-	3/24/74/74	0/4/4/4
31	PEB	WF	202	3	-	8/24/74/74	0/4/4/4
31	PEB	Y6	202	2	-	6/24/74/74	0/4/4/4
31	PEB	NI	202	3	-	15/24/74/74	0/4/4/4
33	CYC	f3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	G9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	d6	202	3	-	9/24/74/74	0/4/4/4
31	PEB	D8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	m6	201	2	-	9/24/74/74	0/4/4/4
31	PEB	SI	203	2	-	13/24/74/74	0/4/4/4
31	PEB	TB	203	2	-	11/24/74/74	0/4/4/4
33	CYC	N3	1001	19	-	8/25/74/74	0/4/4/4
33	CYC	BD	1002	9,7	-	5/25/74/74	0/4/4/4
31	PEB	IH	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	a6	203	2	-	12/24/74/74	0/4/4/4
33	CYC	D2	1003	8,9	-	10/25/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	cC	201	2	-	6/24/74/74	0/4/4/4
31	PEB	AG	202	3	-	10/24/74/74	0/4/4/4
31	PEB	J9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	b2	202	3	-	9/24/74/74	0/4/4/4
31	PEB	MJ	202	2	-	10/24/74/74	0/4/4/4
31	PEB	DJ	202	3	-	9/24/74/74	0/4/4/4
31	PEB	jH	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	dF	201	2	-	9/24/74/74	0/4/4/4
31	PEB	H5	201	2,3	-	12/24/74/74	0/4/4/4
31	PEB	rF	202	2	-	11/24/74/74	0/4/4/4
31	PEB	m2	201	2	-	8/24/74/74	0/4/4/4
33	CYC	EB	1001	8	-	8/25/74/74	0/4/4/4
31	PEB	YG	202	2	-	6/24/74/74	0/4/4/4
31	PEB	ZB	201	3	-	7/24/74/74	0/4/4/4
31	PEB	cH	202	2	-	10/24/74/74	0/4/4/4
31	PEB	XJ	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	D5	202	3	-	9/24/74/74	0/4/4/4
31	PEB	OG	202	2,3	-	10/24/74/74	0/4/4/4
33	CYC	LB	1001	9	-	5/25/74/74	0/4/4/4
31	PEB	YF	201	3	-	7/24/74/74	0/4/4/4
31	PEB	U8	201	3	-	8/24/74/74	0/4/4/4
31	PEB	iF	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	iF	202	3	-	13/24/74/74	0/4/4/4
31	PEB	OK	202	3	-	11/24/74/74	0/4/4/4
31	PEB	dC	202	3	-	10/24/74/74	0/4/4/4
33	CYC	HB	1001	9	-	7/25/74/74	0/4/4/4
31	PEB	Y6	203	2	-	11/24/74/74	0/4/4/4
31	PEB	t8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	OG	203	2	-	7/24/74/74	0/4/4/4
31	PEB	PD	202	2,10	-	4/24/74/74	0/4/4/4
31	PEB	V1	202	2	-	10/24/74/74	0/4/4/4
31	PEB	B5	202	3	-	10/24/74/74	0/4/4/4
33	CYC	DB	1001	9	-	9/25/74/74	0/4/4/4
31	PEB	mH	201	2	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	L6	1002	9	-	9/24/74/74	0/4/4/4
31	PEB	AH	301	12	-	12/24/74/74	0/4/4/4
31	PEB	LH	202	2	-	9/24/74/74	0/4/4/4
33	CYC	A3	1001	19	-	8/25/74/74	0/4/4/4
32	PUB	AC	303	6	-	5/24/74/74	0/4/4/4
31	PEB	VG	202	3	-	10/24/74/74	0/4/4/4
31	PEB	F4	201	2,25	-	8/24/74/74	0/4/4/4
33	CYC	I2	201	8,9	-	9/25/74/74	0/4/4/4
31	PEB	KF	202	3	-	4/24/74/74	0/4/4/4
31	PEB	RK	203	2	-	11/24/74/74	0/4/4/4
31	PEB	HK	201	2	-	4/24/74/74	0/4/4/4
31	PEB	eC	202	2	-	11/24/74/74	0/4/4/4
31	PEB	D9	201	2,14	-	6/24/74/74	0/4/4/4
31	PEB	HE	1002	8,9	-	8/24/74/74	0/4/4/4
31	PEB	D1	201	2,6	-	11/24/74/74	0/4/4/4
32	PUB	CI	203	14,3	-	14/24/74/74	0/4/4/4
31	PEB	WC	201	3	-	8/24/74/74	0/4/4/4
33	CYC	R3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	XK	201	2,15	-	5/24/74/74	0/4/4/4
31	PEB	PG	202	3	-	10/24/74/74	0/4/4/4
33	CYC	C6	1001	8	-	9/25/74/74	0/4/4/4
33	CYC	CB	1001	8	-	9/25/74/74	0/4/4/4
31	PEB	U7	201	3	-	4/24/74/74	0/4/4/4
31	PEB	Q4	204	3	-	10/24/74/74	0/4/4/4
33	CYC	FB	1001	9	-	9/25/74/74	0/4/4/4
31	PEB	y8	301	13	-	8/24/74/74	0/4/4/4
31	PEB	iH	201	2	-	9/24/74/74	0/4/4/4
31	PEB	OF	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	SA	203	2	-	8/24/74/74	0/4/4/4
31	PEB	M5	202	2	-	10/24/74/74	0/4/4/4
31	PEB	O7	203	3	-	11/24/74/74	0/4/4/4
31	PEB	F5	201	3	-	13/24/74/74	0/4/4/4
31	PEB	pF	201	2	-	10/24/74/74	0/4/4/4
31	PEB	Q6	202	3	-	9/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	k4	201	2	-	8/24/74/74	0/4/4/4
31	PEB	iC	201	2	-	8/24/74/74	0/4/4/4
31	PEB	SH	201	3	-	8/24/74/74	0/4/4/4
31	PEB	ZD	202	2,3	-	8/24/74/74	0/4/4/4
31	PEB	f6	202	3	-	10/24/74/74	0/4/4/4
31	PEB	jF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	ZH	202	2	-	9/24/74/74	0/4/4/4
31	PEB	KH	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	QF	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	OA	201	2,4	-	11/24/74/74	0/4/4/4
31	PEB	M1	202	3	-	13/24/74/74	0/4/4/4
32	PUB	A6	302	6	-	2/24/74/74	0/4/4/4
31	PEB	fB	201	3	-	11/24/74/74	0/4/4/4
31	PEB	m4	202	2,12	-	8/24/74/74	0/4/4/4
31	PEB	AA	501	2,1	-	9/24/74/74	0/4/4/4
31	PEB	a2	201	2	-	7/24/74/74	0/4/4/4
31	PEB	UH	202	3	-	5/24/74/74	0/4/4/4
31	PEB	QH	204	3	-	9/24/74/74	0/4/4/4
31	PEB	RB	202	2	-	10/24/74/74	0/4/4/4
32	PUB	AB	302	6	-	2/24/74/74	0/4/4/4
33	CYC	JB	1001	9	-	9/25/74/74	0/4/4/4
33	CYC	F6	1001	9	-	9/25/74/74	0/4/4/4
32	PUB	M9	305	14,3	-	7/24/74/74	0/4/4/4
31	PEB	TG	202	3	-	8/24/74/74	0/4/4/4
31	PEB	V8	201	2	-	10/24/74/74	0/4/4/4
31	PEB	IJ	202	2,26	-	7/24/74/74	0/4/4/4
31	PEB	E8	202	3	-	10/24/74/74	0/4/4/4
31	PEB	S8	201	2,3	-	4/24/74/74	0/4/4/4
31	PEB	U4	203	3	-	9/24/74/74	0/4/4/4
31	PEB	k2	202	2	-	9/24/74/74	0/4/4/4
31	PEB	MH	203	3	-	9/24/74/74	0/4/4/4
33	CYC	ED	1001	8,9	-	6/25/74/74	0/4/4/4
31	PEB	GJ	201	2	-	4/24/74/74	0/4/4/4
31	PEB	TA	201	3	-	9/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	ZE	202	2,3	-	7/24/74/74	0/4/4/4
31	PEB	k8	202	3	-	10/24/74/74	0/4/4/4
31	PEB	eC	201	2	-	8/24/74/74	0/4/4/4
31	PEB	l8	201	2	-	11/24/74/74	0/4/4/4
31	PEB	h8	201	2	-	10/24/74/74	0/4/4/4
31	PEB	sF	201	3	-	12/24/74/74	0/4/4/4
33	CYC	HE	1001	9	-	8/25/74/74	0/4/4/4
31	PEB	YJ	202	2,31	-	7/24/74/74	0/4/4/4
31	PEB	W8	203	3	-	13/24/74/74	0/4/4/4
31	PEB	RF	202	2	-	13/24/74/74	0/4/4/4
31	PEB	I1	201	3	-	13/24/74/74	0/4/4/4
31	PEB	jD	202	3	-	6/24/74/74	0/4/4/4
31	PEB	F1	201	2,6	-	3/24/74/74	0/4/4/4
31	PEB	G4	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	Y1	301	31,6	-	13/24/74/74	0/4/4/4
32	PUB	ZI	305	14,3	-	14/24/74/74	0/4/4/4
31	PEB	K7	202	3	-	4/24/74/74	0/4/4/4
31	PEB	uF	202	3	-	10/24/74/74	0/4/4/4
31	PEB	PK	201	2	-	4/24/74/74	0/4/4/4
31	PEB	QJ	202	2	-	12/24/74/74	0/4/4/4
31	PEB	jB	201	3	-	11/24/74/74	0/4/4/4
31	PEB	bE	201	3	-	6/24/74/74	0/4/4/4
31	PEB	V5	202	3	-	12/24/74/74	0/4/4/4
31	PEB	G5	202	2	-	13/24/74/74	0/4/4/4
31	PEB	PC	201	2,10	-	5/24/74/74	0/4/4/4
31	PEB	T9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	OG	201	2	-	8/24/74/74	0/4/4/4
31	PEB	DI	201	2	-	10/24/74/74	0/4/4/4
31	PEB	EJ	202	2,26	-	12/24/74/74	0/4/4/4
31	PEB	d2	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	UF	202	3	-	9/24/74/74	0/4/4/4
31	PEB	k8	201	3	-	12/24/74/74	0/4/4/4
31	PEB	WI	203	2	-	8/24/74/74	0/4/4/4
31	PEB	e6	203	2	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	PD	201	2	-	14/24/74/74	0/4/4/4
31	PEB	A7	202	3	-	9/24/74/74	0/4/4/4
31	PEB	l6	202	-	-	10/24/74/74	0/4/4/4
31	PEB	eB	202	2	-	10/24/74/74	0/4/4/4
31	PEB	W2	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	WG	203	2	-	8/24/74/74	0/4/4/4
31	PEB	Y5	201	2	-	8/24/74/74	0/4/4/4
31	PEB	r8	201	2,12	-	11/24/74/74	0/4/4/4
31	PEB	VB	202	2	-	12/24/74/74	0/4/4/4
31	PEB	KA	303	2,4	-	11/24/74/74	0/4/4/4
33	CYC	e3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	mF	201	3	-	6/24/74/74	0/4/4/4
31	PEB	N7	201	2	-	8/24/74/74	0/4/4/4
31	PEB	A6	301	6	-	7/24/74/74	0/4/4/4
31	PEB	e4	202	2,12	-	6/24/74/74	0/4/4/4
31	PEB	FI	202	2	-	8/24/74/74	0/4/4/4
33	CYC	G6	1001	8	-	6/25/74/74	0/4/4/4
31	PEB	B7	202	2	-	8/24/74/74	0/4/4/4
31	PEB	P1	201	2	-	4/24/74/74	0/4/4/4
31	PEB	N9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	G1	202	3	-	13/24/74/74	0/4/4/4
31	PEB	TE	201	2	-	3/24/74/74	0/4/4/4
31	PEB	wF	303	12	-	7/24/74/74	0/4/4/4
31	PEB	cA	401	2,5	-	6/24/74/74	0/4/4/4
31	PEB	OD	202	3	-	10/24/74/74	0/4/4/4
33	CYC	LD	1001	9	-	10/25/74/74	0/4/4/4
33	CYC	n3	1001	20	-	4/25/74/74	0/4/4/4
33	CYC	M2	201	8,9	-	9/25/74/74	0/4/4/4
31	PEB	dC	203	3	-	10/24/74/74	0/4/4/4
31	PEB	N8	202	2	-	10/24/74/74	0/4/4/4
33	CYC	V3	1001	-	-	10/25/74/74	0/4/4/4
31	PEB	II	201	3	-	8/24/74/74	0/4/4/4
33	CYC	HC	1001	9	-	7/25/74/74	0/4/4/4
31	PEB	IG	203	2,3	-	10/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	PH	201	2	-	6/24/74/74	0/4/4/4
31	PEB	P2	202	2	-	8/24/74/74	0/4/4/4
31	PEB	QJ	201	2,6	-	2/24/74/74	0/4/4/4
31	PEB	x8	303	12	-	12/24/74/74	0/4/4/4
31	PEB	mD	203	2	-	8/24/74/74	0/4/4/4
31	PEB	M9	301	14,31	-	8/24/74/74	0/4/4/4
31	PEB	T6	202	2	-	5/24/74/74	0/4/4/4
31	PEB	f6	201	3	-	11/24/74/74	0/4/4/4
31	PEB	S6	202	3,29	-	10/24/74/74	0/4/4/4
31	PEB	OH	201	3	-	5/24/74/74	0/4/4/4
31	PEB	dA	201	2	-	8/24/74/74	0/4/4/4
31	PEB	aC	202	2	-	10/24/74/74	0/4/4/4
31	PEB	P6	202	2	-	6/24/74/74	0/4/4/4
31	PEB	xF	302	12	-	12/24/74/74	0/4/4/4
33	CYC	N2	1001	9,7	-	8/25/74/74	0/4/4/4
31	PEB	LB	1002	9	-	9/24/74/74	0/4/4/4
31	PEB	YI	203	2	-	9/24/74/74	0/4/4/4
31	PEB	R5	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	QC	202	3	-	13/24/74/74	0/4/4/4
31	PEB	ZC	203	3	-	7/24/74/74	0/4/4/4
31	PEB	K5	201	2	-	9/24/74/74	0/4/4/4
31	PEB	L9	201	2,14	-	10/24/74/74	0/4/4/4
31	PEB	XG	201	3	-	8/24/74/74	0/4/4/4
31	PEB	LG	202	2	-	7/24/74/74	0/4/4/4
31	PEB	qF	203	3	-	10/24/74/74	0/4/4/4
31	PEB	LC	1002	9	-	7/24/74/74	0/4/4/4
31	PEB	C1	201	3	-	9/24/74/74	0/4/4/4
31	PEB	H5	202	3	-	12/24/74/74	0/4/4/4
31	PEB	nF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	IA	203	2	-	8/24/74/74	0/4/4/4
31	PEB	UA	303	2,4	-	7/24/74/74	0/4/4/4
32	PUB	AH	303	12	-	13/24/74/74	0/4/4/4
31	PEB	hB	202	3	-	9/24/74/74	0/4/4/4
31	PEB	N2	1002	9	-	9/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	CYC	L6	1001	9	-	5/25/74/74	0/4/4/4
32	PUB	QH	202	3,13	-	5/24/74/74	0/4/4/4
31	PEB	c4	201	2	-	10/24/74/74	0/4/4/4
31	PEB	ZD	203	3	-	9/24/74/74	0/4/4/4
32	PUB	x8	301	12	-	7/24/74/74	0/4/4/4
31	PEB	A4	302	12	-	7/24/74/74	0/4/4/4
31	PEB	c2	201	2	-	6/24/74/74	0/4/4/4
31	PEB	WD	201	26,3	-	8/24/74/74	0/4/4/4
31	PEB	t8	202	2	-	11/24/74/74	0/4/4/4
31	PEB	CJ	202	2,6	-	4/24/74/74	0/4/4/4
33	CYC	C3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	P9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	EA	501	2,1	-	11/24/74/74	0/4/4/4
31	PEB	V2	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	PG	201	3	-	8/24/74/74	0/4/4/4
31	PEB	TK	201	2	-	5/24/74/74	0/4/4/4
31	PEB	FB	1002	9	-	9/24/74/74	0/4/4/4
31	PEB	EG	202	3	-	10/24/74/74	0/4/4/4
31	PEB	HD	1002	8,9	-	8/24/74/74	0/4/4/4
31	PEB	WF	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	X7	202	2	-	10/24/74/74	0/4/4/4
31	PEB	ZG	401	2,11	-	7/24/74/74	0/4/4/4
31	PEB	LK	201	2,31	-	5/24/74/74	0/4/4/4
31	PEB	HA	201	2	-	13/24/74/74	0/4/4/4
31	PEB	cD	202	2	-	10/24/74/74	0/4/4/4
31	PEB	OI	203	2	-	9/24/74/74	0/4/4/4
32	PUB	x8	306	12	-	6/24/74/74	0/4/4/4
31	PEB	BA	203	2	-	8/24/74/74	0/4/4/4
31	PEB	T7	201	2,27	-	6/24/74/74	0/4/4/4
31	PEB	XK	202	2	-	9/24/74/74	0/4/4/4
31	PEB	YH	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	e6	201	2	-	5/24/74/74	0/4/4/4
31	PEB	aA	202	2	-	8/24/74/74	0/4/4/4
31	PEB	b6	201	3	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	B1	203	2	-	12/24/74/74	0/4/4/4
31	PEB	SC	202	3	-	8/24/74/74	0/4/4/4
31	PEB	lE	201	2,3	-	9/24/74/74	0/4/4/4
32	PUB	Z9	305	14,3	-	7/24/74/74	0/4/4/4
31	PEB	EF	202	3	-	10/24/74/74	0/4/4/4
31	PEB	dB	202	3	-	9/24/74/74	0/4/4/4
31	PEB	BK	203	2	-	12/24/74/74	0/4/4/4
31	PEB	CJ	201	2	-	7/24/74/74	0/4/4/4
31	PEB	i4	201	2	-	10/24/74/74	0/4/4/4
31	PEB	O6	201	3	-	9/24/74/74	0/4/4/4
31	PEB	k6	201	2	-	8/24/74/74	0/4/4/4
31	PEB	DA	203	2	-	14/24/74/74	0/4/4/4
31	PEB	A2	301	6	-	7/24/74/74	0/4/4/4
31	PEB	R7	201	2,27	-	9/24/74/74	0/4/4/4
31	PEB	WF	203	3	-	13/24/74/74	0/4/4/4
31	PEB	kF	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	J8	202	2	-	13/24/74/74	0/4/4/4
31	PEB	HH	202	2	-	9/24/74/74	0/4/4/4
31	PEB	DH	202	2,13	-	8/24/74/74	0/4/4/4
33	CYC	KC	201	8,9	-	9/25/74/74	0/4/4/4
33	CYC	MB	1001	8	-	8/25/74/74	0/4/4/4
31	PEB	a6	202	2	-	7/24/74/74	0/4/4/4
31	PEB	R8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	fF	202	2	-	11/24/74/74	0/4/4/4
31	PEB	ZF	201	2	-	9/24/74/74	0/4/4/4
31	PEB	AD	304	6	-	4/24/74/74	0/4/4/4
31	PEB	aD	202	2	-	13/24/74/74	0/4/4/4
33	CYC	CC	1001	8,9	-	8/25/74/74	0/4/4/4
31	PEB	j2	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	F8	201	2	-	5/24/74/74	0/4/4/4
31	PEB	KF	203	3	-	8/24/74/74	0/4/4/4
31	PEB	A6	305	6	-	10/24/74/74	0/4/4/4
33	CYC	K2	201	8,9	-	9/25/74/74	0/4/4/4
31	PEB	D4	201	2	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	dD	202	6,3	-	11/24/74/74	0/4/4/4
31	PEB	LH	201	2	-	7/24/74/74	0/4/4/4
31	PEB	CH	201	3	-	4/24/74/74	0/4/4/4
31	PEB	E7	202	3	-	10/24/74/74	0/4/4/4
31	PEB	kH	201	2	-	11/24/74/74	0/4/4/4
31	PEB	XF	202	2	-	5/24/74/74	0/4/4/4
31	PEB	cE	202	2	-	10/24/74/74	0/4/4/4
31	PEB	A9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	F5	202	3	-	10/24/74/74	0/4/4/4
31	PEB	AC	305	6	-	12/24/74/74	0/4/4/4
31	PEB	Y7	502	2	-	5/24/74/74	0/4/4/4
31	PEB	O8	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	XA	202	2	-	10/24/74/74	0/4/4/4
31	PEB	xF	303	12	-	12/24/74/74	0/4/4/4
31	PEB	AG	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	IK	201	3	-	13/24/74/74	0/4/4/4
31	PEB	S9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	aC	201	2	-	7/24/74/74	0/4/4/4
31	PEB	HJ	201	2,3	-	12/24/74/74	0/4/4/4
31	PEB	d4	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	mC	201	2	-	8/24/74/74	0/4/4/4
31	PEB	LA	201	2	-	10/24/74/74	0/4/4/4
31	PEB	NA	202	2	-	7/24/74/74	0/4/4/4
31	PEB	QC	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	EJ	201	2	-	7/24/74/74	0/4/4/4
31	PEB	D9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	PB	202	2	-	6/24/74/74	0/4/4/4
31	PEB	R5	201	3	-	12/24/74/74	0/4/4/4
31	PEB	FH	201	2,25	-	8/24/74/74	0/4/4/4
31	PEB	w8	302	12	-	9/24/74/74	0/4/4/4
31	PEB	VC	202	2	-	9/24/74/74	0/4/4/4
31	PEB	U2	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	mB	203	2	-	9/24/74/74	0/4/4/4
31	PEB	NE	201	8,9	-	10/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
33	CYC	LC	1001	9	-	10/25/74/74	0/4/4/4
31	PEB	F9	201	2,14	-	11/24/74/74	0/4/4/4
31	PEB	TB	202	2	-	5/24/74/74	0/4/4/4
31	PEB	H8	202	2	-	12/24/74/74	0/4/4/4
31	PEB	W9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	P5	202	3	-	10/24/74/74	0/4/4/4
31	PEB	TD	201	2	-	3/24/74/74	0/4/4/4
31	PEB	hC	202	3	-	11/24/74/74	0/4/4/4
31	PEB	V1	203	2	-	7/24/74/74	0/4/4/4
31	PEB	FF	202	2	-	11/24/74/74	0/4/4/4
31	PEB	gD	201	2	-	6/24/74/74	0/4/4/4
31	PEB	QH	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	L2	1002	9	-	7/24/74/74	0/4/4/4
31	PEB	xF	304	12	-	9/24/74/74	0/4/4/4
31	PEB	VA	201	2	-	10/24/74/74	0/4/4/4
31	PEB	T5	201	2,3	-	13/24/74/74	0/4/4/4
31	PEB	VG	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	l8	203	2,3	-	10/24/74/74	0/4/4/4
33	CYC	u3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	L7	202	2	-	8/24/74/74	0/4/4/4
31	PEB	A8	201	3	-	9/24/74/74	0/4/4/4
31	PEB	SB	201	3,29	-	10/24/74/74	0/4/4/4
31	PEB	A9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	B1	201	2,31	-	8/24/74/74	0/4/4/4
31	PEB	L4	202	2	-	10/24/74/74	0/4/4/4
31	PEB	aF	202	3	-	9/24/74/74	0/4/4/4
31	PEB	PI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	J5	202	3	-	14/24/74/74	0/4/4/4
31	PEB	h8	202	2	-	9/24/74/74	0/4/4/4
31	PEB	dD	204	3	-	13/24/74/74	0/4/4/4
31	PEB	SJ	201	2,6	-	6/24/74/74	0/4/4/4
31	PEB	W7	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	RK	201	2	-	5/24/74/74	0/4/4/4
31	PEB	Z8	202	2	-	10/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	c6	203	2	-	12/24/74/74	0/4/4/4
31	PEB	MK	201	3	-	10/24/74/74	0/4/4/4
31	PEB	dH	202	3	-	6/24/74/74	0/4/4/4
31	PEB	TH	201	2	-	8/24/74/74	0/4/4/4
31	PEB	PB	201	2	-	5/24/74/74	0/4/4/4
33	CYC	M3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	JI	201	2	-	13/24/74/74	0/4/4/4
31	PEB	o8	201	3	-	13/24/74/74	0/4/4/4
33	CYC	B3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	ID	202	3	-	14/24/74/74	0/4/4/4
31	PEB	V7	202	2	-	7/24/74/74	0/4/4/4
31	PEB	kE	202	2,6	-	8/24/74/74	0/4/4/4
31	PEB	k6	203	2	-	12/24/74/74	0/4/4/4
31	PEB	Z2	203	3	-	7/24/74/74	0/4/4/4
31	PEB	b8	202	2	-	9/24/74/74	0/4/4/4
31	PEB	i8	202	3	-	13/24/74/74	0/4/4/4
31	PEB	SD	202	3	-	10/24/74/74	0/4/4/4
31	PEB	hC	201	3	-	11/24/74/74	0/4/4/4
31	PEB	QK	201	3	-	6/24/74/74	0/4/4/4
31	PEB	GH	201	3	-	6/24/74/74	0/4/4/4
31	PEB	PE	201	2	-	14/24/74/74	0/4/4/4
31	PEB	cB	202	2	-	11/24/74/74	0/4/4/4
31	PEB	AF	201	3	-	9/24/74/74	0/4/4/4
31	PEB	UC	203	3	-	9/24/74/74	0/4/4/4
31	PEB	HG	201	2	-	8/24/74/74	0/4/4/4
31	PEB	J8	201	2	-	8/24/74/74	0/4/4/4
31	PEB	NJ	203	3	-	12/24/74/74	0/4/4/4
31	PEB	ID	203	3	-	7/24/74/74	0/4/4/4
31	PEB	C1	202	3	-	13/24/74/74	0/4/4/4
33	CYC	H6	1001	9	-	7/25/74/74	0/4/4/4
31	PEB	J1	202	2	-	10/24/74/74	0/4/4/4
31	PEB	Q6	201	3	-	8/24/74/74	0/4/4/4
31	PEB	X1	202	2	-	9/24/74/74	0/4/4/4
31	PEB	R4	201	2	-	6/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	XH	202	2	-	8/24/74/74	0/4/4/4
31	PEB	H4	202	2	-	10/24/74/74	0/4/4/4
31	PEB	D6	1002	9	-	8/24/74/74	0/4/4/4
31	PEB	BG	202	2,3	-	10/24/74/74	0/4/4/4
31	PEB	dE	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	RJ	201	3	-	12/24/74/74	0/4/4/4
31	PEB	ZE	203	3	-	9/24/74/74	0/4/4/4
31	PEB	g2	201	2	-	10/24/74/74	0/4/4/4
31	PEB	P9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	r8	202	2	-	11/24/74/74	0/4/4/4
31	PEB	X5	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	KD	201	8,9	-	6/24/74/74	0/4/4/4
31	PEB	L7	201	2	-	7/24/74/74	0/4/4/4
31	PEB	PJ	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	Z6	202	3	-	9/24/74/74	0/4/4/4
31	PEB	MJ	201	2	-	7/24/74/74	0/4/4/4
31	PEB	PH	202	2	-	8/24/74/74	0/4/4/4
31	PEB	LF	201	2	-	9/24/74/74	0/4/4/4
31	PEB	lD	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	X9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	s8	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	FJ	202	3	-	10/24/74/74	0/4/4/4
31	PEB	bB	201	3	-	8/24/74/74	0/4/4/4
31	PEB	aB	202	2	-	7/24/74/74	0/4/4/4
33	CYC	q3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	eK	301	15,3	-	11/24/74/74	0/4/4/4
31	PEB	uF	203	3	-	9/24/74/74	0/4/4/4
31	PEB	RH	202	2	-	9/24/74/74	0/4/4/4
31	PEB	O2	203	2,3	-	10/24/74/74	0/4/4/4
31	PEB	U8	202	3	-	9/24/74/74	0/4/4/4
31	PEB	iB	201	2	-	6/24/74/74	0/4/4/4
31	PEB	ZE	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	O4	201	3	-	6/24/74/74	0/4/4/4
31	PEB	W9	201	2	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	FK	201	2,6	-	3/24/74/74	0/4/4/4
31	PEB	g8	202	3	-	11/24/74/74	0/4/4/4
31	PEB	HA	202	2	-	9/24/74/74	0/4/4/4
31	PEB	hF	201	2	-	10/24/74/74	0/4/4/4
33	CYC	63	901	24	-	8/25/74/74	0/4/4/4
33	CYC	l3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	X1	203	2	-	12/24/74/74	0/4/4/4
31	PEB	T7	202	2	-	11/24/74/74	0/4/4/4
32	PUB	A2	303	6	-	5/24/74/74	0/4/4/4
31	PEB	L1	201	2,31	-	6/24/74/74	0/4/4/4
31	PEB	i2	202	2	-	9/24/74/74	0/4/4/4
31	PEB	aH	202	3	-	6/24/74/74	0/4/4/4
31	PEB	U2	203	3	-	9/24/74/74	0/4/4/4
31	PEB	x8	302	12	-	12/24/74/74	0/4/4/4
31	PEB	D7	202	2	-	8/24/74/74	0/4/4/4
31	PEB	fE	202	3	-	8/24/74/74	0/4/4/4
31	PEB	G4	202	3	-	12/24/74/74	0/4/4/4
33	CYC	h3	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	O2	201	3	-	11/24/74/74	0/4/4/4
31	PEB	BF	201	2	-	11/24/74/74	0/4/4/4
31	PEB	D7	201	2	-	6/24/74/74	0/4/4/4
31	PEB	BJ	202	3	-	10/24/74/74	0/4/4/4
31	PEB	H4	201	2	-	9/24/74/74	0/4/4/4
31	PEB	gF	202	3	-	11/24/74/74	0/4/4/4
31	PEB	FJ	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	VC	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	YK	301	31,6	-	13/24/74/74	0/4/4/4
31	PEB	lH	202	3	-	7/24/74/74	0/4/4/4
33	CYC	L2	1001	9	-	10/25/74/74	0/4/4/4
31	PEB	H7	202	2	-	8/24/74/74	0/4/4/4
31	PEB	U7	202	3	-	10/24/74/74	0/4/4/4
31	PEB	KJ	201	2	-	9/24/74/74	0/4/4/4
31	PEB	J9	201	2	-	9/24/74/74	0/4/4/4
31	PEB	MF	201	3	-	6/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	V4	201	2	-	8/24/74/74	0/4/4/4
31	PEB	OD	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	L4	201	2	-	4/24/74/74	0/4/4/4
31	PEB	T4	202	2	-	7/24/74/74	0/4/4/4
31	PEB	PF	202	2	-	12/24/74/74	0/4/4/4
31	PEB	M7	202	3	-	9/24/74/74	0/4/4/4
31	PEB	WD	202	3	-	7/24/74/74	0/4/4/4
31	PEB	aD	201	2	-	5/24/74/74	0/4/4/4
31	PEB	qF	202	3	-	15/24/74/74	0/4/4/4
31	PEB	j6	201	3	-	11/24/74/74	0/4/4/4
31	PEB	m6	203	2	-	9/24/74/74	0/4/4/4
31	PEB	SH	202	3	-	12/24/74/74	0/4/4/4
33	CYC	O3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	Z8	201	2	-	9/24/74/74	0/4/4/4
31	PEB	SF	203	3	-	9/24/74/74	0/4/4/4
31	PEB	ZI	301	14	-	16/24/74/74	0/4/4/4
31	PEB	R2	202	2	-	12/24/74/74	0/4/4/4
31	PEB	jF	202	2	-	12/24/74/74	0/4/4/4
31	PEB	SG	202	2	-	8/24/74/74	0/4/4/4
31	PEB	VE	202	2	-	10/24/74/74	0/4/4/4
32	PUB	Z9	304	14,3	-	8/24/74/74	0/4/4/4
31	PEB	cA	402	2,5	-	12/24/74/74	0/4/4/4
31	PEB	QG	201	2	-	8/24/74/74	0/4/4/4
31	PEB	FI	201	2,14	-	12/24/74/74	0/4/4/4
32	PUB	AD	303	6	-	8/24/74/74	0/4/4/4
31	PEB	LK	202	2	-	9/24/74/74	0/4/4/4
31	PEB	RB	201	2,10	-	2/24/74/74	0/4/4/4
31	PEB	J4	202	2	-	9/24/74/74	0/4/4/4
31	PEB	WA	402	5,2	-	5/24/74/74	0/4/4/4
31	PEB	JI	203	2	-	9/24/74/74	0/4/4/4
31	PEB	IG	201	3	-	8/24/74/74	0/4/4/4
31	PEB	GA	201	2	-	6/24/74/74	0/4/4/4
33	CYC	FD	201	9	-	5/25/74/74	0/4/4/4
31	PEB	LK	203	2	-	9/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	NK	202	2	-	8/24/74/74	0/4/4/4
31	PEB	P5	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	mD	201	2	-	6/24/74/74	0/4/4/4
31	PEB	JA	202	3	-	9/24/74/74	0/4/4/4
33	CYC	ME	1001	8,9	-	7/25/74/74	0/4/4/4
31	PEB	S4	203	2,3	-	8/24/74/74	0/4/4/4
32	PUB	AC	304	6	-	15/24/74/74	0/4/4/4
31	PEB	lB	202	-	-	10/24/74/74	0/4/4/4
31	PEB	i4	202	2,12	-	7/24/74/74	0/4/4/4
31	PEB	F8	202	2	-	11/24/74/74	0/4/4/4
31	PEB	A6	304	6	-	9/24/74/74	0/4/4/4
31	PEB	VH	201	2	-	8/24/74/74	0/4/4/4
31	PEB	t8	203	2,3	-	11/24/74/74	0/4/4/4
31	PEB	O5	201	2,6,31	-	8/24/74/74	0/4/4/4
31	PEB	U9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	QA	203	2	-	9/24/74/74	0/4/4/4
31	PEB	Z6	201	3	-	7/24/74/74	0/4/4/4
31	PEB	JK	203	2	-	16/24/74/74	0/4/4/4
33	CYC	LE	1001	9	-	10/25/74/74	0/4/4/4
31	PEB	GI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	NB	1002	9	-	8/24/74/74	0/4/4/4
31	PEB	PK	202	2	-	7/24/74/74	0/4/4/4
31	PEB	uF	201	2,3	-	11/24/74/74	0/4/4/4
31	PEB	X5	203	3	-	10/24/74/74	0/4/4/4
32	PUB	Q4	202	3,13	-	5/24/74/74	0/4/4/4
31	PEB	ZF	202	2	-	10/24/74/74	0/4/4/4
31	PEB	QI	201	2	-	11/24/74/74	0/4/4/4
33	CYC	D3	1001	24,20	-	4/25/74/74	0/4/4/4
31	PEB	U1	201	3	-	5/24/74/74	0/4/4/4
31	PEB	aB	201	2	-	2/24/74/74	0/4/4/4
31	PEB	ZH	201	2	-	4/24/74/74	0/4/4/4
33	CYC	E6	1001	8	-	8/25/74/74	0/4/4/4
31	PEB	WA	401	2,5	-	11/24/74/74	0/4/4/4
31	PEB	hE	202	3	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	N1	201	2	-	3/24/74/74	0/4/4/4
31	PEB	O8	203	3	-	10/24/74/74	0/4/4/4
31	PEB	p8	202	2	-	11/24/74/74	0/4/4/4
31	PEB	AB	305	6	-	10/24/74/74	0/4/4/4
33	CYC	o3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	Z2	201	2,3	-	11/24/74/74	0/4/4/4
31	PEB	ZA	203	2	-	11/24/74/74	0/4/4/4
31	PEB	gC	202	2	-	6/24/74/74	0/4/4/4
31	PEB	cE	201	2	-	5/24/74/74	0/4/4/4
31	PEB	SB	202	3	-	10/24/74/74	0/4/4/4
31	PEB	XK	203	2	-	12/24/74/74	0/4/4/4
31	PEB	PI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	HI	203	2	-	10/24/74/74	0/4/4/4
31	PEB	TG	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	U7	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	jH	201	3	-	5/24/74/74	0/4/4/4
31	PEB	T1	202	2	-	9/24/74/74	0/4/4/4
32	PUB	ZI	302	14	-	7/24/74/74	0/4/4/4
31	PEB	iB	203	2	-	12/24/74/74	0/4/4/4
31	PEB	f2	201	3	-	9/24/74/74	0/4/4/4
31	PEB	WH	202	3	-	13/24/74/74	0/4/4/4
31	PEB	Y8	202	3	-	10/24/74/74	0/4/4/4
31	PEB	MI	302	14	-	16/24/74/74	0/4/4/4
31	PEB	WG	201	2	-	8/24/74/74	0/4/4/4
31	PEB	CF	201	3	-	6/24/74/74	0/4/4/4
31	PEB	VK	202	2	-	10/24/74/74	0/4/4/4
31	PEB	zF	501	2,28	-	6/24/74/74	0/4/4/4
31	PEB	gB	202	2	-	8/24/74/74	0/4/4/4
31	PEB	UD	203	3	-	13/24/74/74	0/4/4/4
31	PEB	C9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	SE	202	3	-	10/24/74/74	0/4/4/4
31	PEB	l2	202	3	-	10/24/74/74	0/4/4/4
31	PEB	DB	1002	9	-	8/24/74/74	0/4/4/4
31	PEB	HI	201	2,14	-	10/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	oF	203	3	-	17/24/74/74	0/4/4/4
31	PEB	jE	202	3	-	6/24/74/74	0/4/4/4
32	PUB	BH	302	13	-	7/24/74/74	0/4/4/4
31	PEB	i6	202	2	-	8/24/74/74	0/4/4/4
31	PEB	U4	202	3	-	4/24/74/74	0/4/4/4
31	PEB	SA	202	2	-	7/24/74/74	0/4/4/4
32	PUB	AJ	303	6,3	-	8/24/74/74	0/4/4/4
31	PEB	jD	201	3	-	9/24/74/74	0/4/4/4
31	PEB	RB	203	2	-	9/24/74/74	0/4/4/4
31	PEB	a4	204	2,3	-	9/24/74/74	0/4/4/4
31	PEB	WK	201	3	-	7/24/74/74	0/4/4/4
31	PEB	CK	202	3	-	13/24/74/74	0/4/4/4
31	PEB	OK	201	3	-	9/24/74/74	0/4/4/4
31	PEB	fH	202	3	-	10/24/74/74	0/4/4/4
31	PEB	EH	203	3	-	11/24/74/74	0/4/4/4
31	PEB	BI	202	2	-	8/24/74/74	0/4/4/4
31	PEB	PC	202	2	-	8/24/74/74	0/4/4/4
31	PEB	PF	201	2	-	7/24/74/74	0/4/4/4
32	PUB	YK	304	6	-	3/24/74/74	0/4/4/4
31	PEB	W5	201	2	-	8/24/74/74	0/4/4/4
31	PEB	AK	201	3	-	11/24/74/74	0/4/4/4
31	PEB	ZI	304	14	-	10/24/74/74	0/4/4/4
31	PEB	AK	202	3	-	12/24/74/74	0/4/4/4
33	CYC	73	1002	24	-	6/25/74/74	0/4/4/4
31	PEB	NC	1002	9	-	9/24/74/74	0/4/4/4
31	PEB	QD	202	3	-	9/24/74/74	0/4/4/4
31	PEB	j4	201	3	-	10/24/74/74	0/4/4/4
31	PEB	h4	202	3	-	10/24/74/74	0/4/4/4
31	PEB	XF	203	2	-	11/24/74/74	0/4/4/4
31	PEB	J2	1002	9	-	9/24/74/74	0/4/4/4
31	PEB	p8	201	2	-	10/24/74/74	0/4/4/4
31	PEB	E9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	UC	202	3	-	6/24/74/74	0/4/4/4
31	PEB	JK	201	2,6	-	3/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	e2	201	2	-	8/24/74/74	0/4/4/4
31	PEB	S5	201	2,6	-	6/24/74/74	0/4/4/4
31	PEB	S9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	CI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	bF	202	2	-	9/24/74/74	0/4/4/4
31	PEB	d6	201	3	-	8/24/74/74	0/4/4/4
31	PEB	J4	201	2	-	6/24/74/74	0/4/4/4
31	PEB	NA	203	2	-	13/24/74/74	0/4/4/4
31	PEB	WI	201	2	-	13/24/74/74	0/4/4/4
31	PEB	QH	203	3	-	7/24/74/74	0/4/4/4
31	PEB	N7	202	2	-	8/24/74/74	0/4/4/4
31	PEB	Q2	202	3	-	13/24/74/74	0/4/4/4
33	CYC	FE	1001	9	-	5/25/74/74	0/4/4/4
31	PEB	FK	203	2	-	11/24/74/74	0/4/4/4
32	PUB	A2	304	6	-	15/24/74/74	0/4/4/4
31	PEB	I9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	PA	201	2	-	7/24/74/74	0/4/4/4
31	PEB	eA	201	2	-	5/24/74/74	0/4/4/4
31	PEB	I7	202	3	-	11/24/74/74	0/4/4/4
31	PEB	eH	202	2,12	-	6/24/74/74	0/4/4/4
31	PEB	AG	201	3	-	8/24/74/74	0/4/4/4
31	PEB	e1	301	15,3	-	9/24/74/74	0/4/4/4
31	PEB	XI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	EK	202	3	-	11/24/74/74	0/4/4/4
31	PEB	w8	301	12	-	11/24/74/74	0/4/4/4
31	PEB	mH	202	2,12	-	9/24/74/74	0/4/4/4
31	PEB	a6	201	2	-	2/24/74/74	0/4/4/4
32	PUB	A4	304	12	-	8/24/74/74	0/4/4/4
31	PEB	J7	202	2	-	5/24/74/74	0/4/4/4
31	PEB	B8	201	2	-	11/24/74/74	0/4/4/4
31	PEB	g4	201	2	-	8/24/74/74	0/4/4/4
31	PEB	Y7	504	2,27	-	7/24/74/74	0/4/4/4
31	PEB	QA	201	2	-	13/24/74/74	0/4/4/4
31	PEB	IH	203	3	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	S2	202	3	-	8/24/74/74	0/4/4/4
31	PEB	L5	203	3	-	11/24/74/74	0/4/4/4
31	PEB	h2	203	2,3	-	12/24/74/74	0/4/4/4
31	PEB	SA	201	2	-	4/24/74/74	0/4/4/4
31	PEB	GD	202	8,9	-	9/24/74/74	0/4/4/4
31	PEB	dE	202	6,3	-	10/24/74/74	0/4/4/4
31	PEB	cF	202	9,3	-	17/24/74/74	0/4/4/4
32	PUB	A5	303	6,3	-	8/24/74/74	0/4/4/4
31	PEB	G8	202	3	-	7/24/74/74	0/4/4/4
31	PEB	MI	305	14	-	10/24/74/74	0/4/4/4
31	PEB	NA	201	2	-	6/24/74/74	0/4/4/4
31	PEB	gH	202	2	-	10/24/74/74	0/4/4/4
31	PEB	TI	202	3	-	15/24/74/74	0/4/4/4
31	PEB	E8	201	3	-	9/24/74/74	0/4/4/4
31	PEB	D5	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	mE	202	2	-	7/24/74/74	0/4/4/4
31	PEB	V9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	LF	202	2	-	14/24/74/74	0/4/4/4
31	PEB	K1	202	3	-	10/24/74/74	0/4/4/4
31	PEB	M8	202	3	-	10/24/74/74	0/4/4/4
31	PEB	O1	201	3	-	9/24/74/74	0/4/4/4
31	PEB	lE	203	3	-	7/24/74/74	0/4/4/4
31	PEB	L9	202	2	-	9/24/74/74	0/4/4/4
31	PEB	GG	202	3	-	8/24/74/74	0/4/4/4
31	PEB	Q9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	YB	203	2	-	11/24/74/74	0/4/4/4
31	PEB	aF	203	3	-	11/24/74/74	0/4/4/4
31	PEB	W2	202	3	-	9/24/74/74	0/4/4/4
31	PEB	V4	202	2	-	9/24/74/74	0/4/4/4
31	PEB	u8	201	3	-	10/24/74/74	0/4/4/4
33	CYC	HD	1001	9	-	8/25/74/74	0/4/4/4
31	PEB	gC	201	2	-	10/24/74/74	0/4/4/4
31	PEB	I4	203	3	-	9/24/74/74	0/4/4/4
31	PEB	U6	202	3	-	10/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	LG	201	2,11	-	10/24/74/74	0/4/4/4
31	PEB	Z2	202	3	-	9/24/74/74	0/4/4/4
31	PEB	K9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	Q9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	H9	202	2	-	8/24/74/74	0/4/4/4
31	PEB	Q7	201	3	-	7/24/74/74	0/4/4/4
31	PEB	dJ	401	2,26	-	11/24/74/74	0/4/4/4
33	CYC	LC	1003	8,9	-	9/25/74/74	0/4/4/4
31	PEB	HF	202	2	-	12/24/74/74	0/4/4/4
31	PEB	T1	201	2	-	5/24/74/74	0/4/4/4
31	PEB	DE	1002	8,9	-	8/24/74/74	0/4/4/4
31	PEB	OH	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	HB	1002	9	-	7/24/74/74	0/4/4/4
31	PEB	qF	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	g8	203	2,3	-	9/24/74/74	0/4/4/4
33	CYC	P3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	Q2	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	RF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	UB	201	3	-	9/24/74/74	0/4/4/4
33	CYC	G3	1001	19	-	8/25/74/74	0/4/4/4
33	CYC	D6	1001	9	-	9/25/74/74	0/4/4/4
31	PEB	W4	202	3	-	13/24/74/74	0/4/4/4
31	PEB	AD	301	6	-	10/24/74/74	0/4/4/4
31	PEB	jC	202	3	-	8/24/74/74	0/4/4/4
33	CYC	EC	1001	8,9	-	7/25/74/74	0/4/4/4
31	PEB	U5	202	2	-	8/24/74/74	0/4/4/4
31	PEB	KG	202	3	-	8/24/74/74	0/4/4/4
31	PEB	vF	201	2	-	9/24/74/74	0/4/4/4
31	PEB	BF	202	2	-	13/24/74/74	0/4/4/4
31	PEB	F6	1002	9	-	9/24/74/74	0/4/4/4
31	PEB	FK	202	2	-	10/24/74/74	0/4/4/4
31	PEB	NI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	a8	202	3	-	9/24/74/74	0/4/4/4
31	PEB	mB	201	2	-	9/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	fD	202	3	-	8/24/74/74	0/4/4/4
31	PEB	aF	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	AC	302	6	-	11/24/74/74	0/4/4/4
31	PEB	i8	203	3	-	12/24/74/74	0/4/4/4
31	PEB	c6	201	2	-	7/24/74/74	0/4/4/4
31	PEB	UJ	202	2	-	8/24/74/74	0/4/4/4
31	PEB	S8	202	3	-	7/24/74/74	0/4/4/4
31	PEB	EH	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	I4	201	2,3	-	6/24/74/74	0/4/4/4
31	PEB	e8	203	3	-	9/24/74/74	0/4/4/4
31	PEB	G5	201	2	-	4/24/74/74	0/4/4/4
31	PEB	cF	201	3	-	11/24/74/74	0/4/4/4
31	PEB	lB	201	3	-	8/24/74/74	0/4/4/4
31	PEB	G4	201	3	-	8/24/74/74	0/4/4/4
31	PEB	b2	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	j4	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	aE	201	2	-	5/24/74/74	0/4/4/4
31	PEB	e8	202	3	-	8/24/74/74	0/4/4/4
31	PEB	J1	203	2	-	16/24/74/74	0/4/4/4
31	PEB	K8	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	sF	202	3	-	9/24/74/74	0/4/4/4
31	PEB	W6	201	3	-	7/24/74/74	0/4/4/4
31	PEB	V6	201	2	-	4/24/74/74	0/4/4/4
31	PEB	d8	202	2	-	12/24/74/74	0/4/4/4
31	PEB	ZC	202	3	-	9/24/74/74	0/4/4/4
31	PEB	UK	202	3	-	11/24/74/74	0/4/4/4
31	PEB	w8	303	12	-	7/24/74/74	0/4/4/4
31	PEB	GG	201	2,3	-	10/24/74/74	0/4/4/4
31	PEB	gB	203	2	-	10/24/74/74	0/4/4/4
31	PEB	F1	202	2	-	10/24/74/74	0/4/4/4
31	PEB	aA	201	2	-	2/24/74/74	0/4/4/4
31	PEB	h4	201	2,3	-	8/24/74/74	0/4/4/4
31	PEB	n8	201	2	-	7/24/74/74	0/4/4/4
31	PEB	x8	304	12	-	9/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	l2	203	3	-	13/24/74/74	0/4/4/4
31	PEB	K5	202	2	-	13/24/74/74	0/4/4/4
31	PEB	i6	203	2	-	12/24/74/74	0/4/4/4
31	PEB	RD	201	2	-	8/24/74/74	0/4/4/4
31	PEB	c8	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	NF	202	2	-	10/24/74/74	0/4/4/4
31	PEB	e4	201	2	-	10/24/74/74	0/4/4/4
31	PEB	H6	1002	9	-	7/24/74/74	0/4/4/4
31	PEB	YI	201	2	-	11/24/74/74	0/4/4/4
31	PEB	bD	202	3	-	6/24/74/74	0/4/4/4
31	PEB	KA	302	2,4	-	9/24/74/74	0/4/4/4
31	PEB	W1	201	3	-	7/24/74/74	0/4/4/4
31	PEB	bC	201	3	-	10/24/74/74	0/4/4/4
31	PEB	N1	203	2	-	8/24/74/74	0/4/4/4
31	PEB	S8	203	3	-	9/24/74/74	0/4/4/4
31	PEB	B9	203	2	-	12/24/74/74	0/4/4/4
31	PEB	F9	202	2	-	11/24/74/74	0/4/4/4
31	PEB	dD	203	3	-	8/24/74/74	0/4/4/4
31	PEB	QI	203	2	-	9/24/74/74	0/4/4/4
31	PEB	WE	202	26,3	-	8/24/74/74	0/4/4/4
31	PEB	DI	202	2	-	7/24/74/74	0/4/4/4
31	PEB	W4	201	3	-	7/24/74/74	0/4/4/4
31	PEB	S7	203	3	-	11/24/74/74	0/4/4/4
32	PUB	yF	302	13	-	3/24/74/74	0/4/4/4
31	PEB	N1	202	2	-	8/24/74/74	0/4/4/4
31	PEB	H2	1002	9	-	8/24/74/74	0/4/4/4
31	PEB	DK	201	2,6	-	11/24/74/74	0/4/4/4
31	PEB	W8	201	2,3	-	7/24/74/74	0/4/4/4
31	PEB	I7	201	3	-	4/24/74/74	0/4/4/4
31	PEB	h2	201	2,14,3	-	9/24/74/74	0/4/4/4
31	PEB	s8	201	3	-	12/24/74/74	0/4/4/4
31	PEB	eH	201	2	-	11/24/74/74	0/4/4/4
31	PEB	M8	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	d2	202	3	-	10/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	eC	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	g6	202	2	-	8/24/74/74	0/4/4/4
31	PEB	sF	203	2,3	-	6/24/74/74	0/4/4/4
31	PEB	aH	203	3	-	10/24/74/74	0/4/4/4
31	PEB	DD	1002	8,9	-	8/24/74/74	0/4/4/4
31	PEB	WC	203	2,3	-	8/24/74/74	0/4/4/4
31	PEB	UH	203	3	-	9/24/74/74	0/4/4/4
31	PEB	QB	202	3	-	9/24/74/74	0/4/4/4
31	PEB	CF	203	3	-	11/24/74/74	0/4/4/4
31	PEB	TF	202	2	-	15/24/74/74	0/4/4/4
31	PEB	PK	203	2	-	7/24/74/74	0/4/4/4
31	PEB	BJ	203	2,3	-	12/24/74/74	0/4/4/4
31	PEB	CF	202	3	-	6/24/74/74	0/4/4/4
31	PEB	QE	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	gF	203	2,3	-	9/24/74/74	0/4/4/4
31	PEB	R9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	DC	1002	9	-	11/24/74/74	0/4/4/4
31	PEB	HK	202	2	-	8/24/74/74	0/4/4/4
31	PEB	NH	202	2	-	9/24/74/74	0/4/4/4
31	PEB	AJ	301	6,31	-	9/24/74/74	0/4/4/4
31	PEB	mC	202	2	-	10/24/74/74	0/4/4/4
31	PEB	Q1	202	3	-	9/24/74/74	0/4/4/4
31	PEB	dA	202	2	-	10/24/74/74	0/4/4/4
31	PEB	dF	202	2	-	12/24/74/74	0/4/4/4
33	CYC	m3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	aH	201	3,12	-	11/24/74/74	0/4/4/4
31	PEB	YC	201	2	-	7/24/74/74	0/4/4/4
31	PEB	BA	201	2	-	3/24/74/74	0/4/4/4
31	PEB	KK	201	3	-	7/24/74/74	0/4/4/4
31	PEB	RG	201	3	-	8/24/74/74	0/4/4/4
31	PEB	IA	201	2	-	7/24/74/74	0/4/4/4
31	PEB	I5	201	2	-	7/24/74/74	0/4/4/4
31	PEB	TC	201	2,10	-	9/24/74/74	0/4/4/4
31	PEB	dH	201	2,3	-	11/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	NF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	m4	201	2	-	9/24/74/74	0/4/4/4
33	CYC	BE	1002	9,7	-	5/25/74/74	0/4/4/4
31	PEB	K9	201	3	-	11/24/74/74	0/4/4/4
31	PEB	P7	202	2	-	8/24/74/74	0/4/4/4
31	PEB	UC	201	2,3	-	9/24/74/74	0/4/4/4
31	PEB	G8	203	3	-	9/24/74/74	0/4/4/4
33	CYC	I3	1001	20	-	4/25/74/74	0/4/4/4
31	PEB	MG	401	3,11	-	10/24/74/74	0/4/4/4
31	PEB	TB	201	2	-	5/24/74/74	0/4/4/4
31	PEB	bF	201	2	-	4/24/74/74	0/4/4/4
31	PEB	V7	201	2	-	7/24/74/74	0/4/4/4
31	PEB	kC	202	2	-	9/24/74/74	0/4/4/4
31	PEB	jH	202	3	-	12/24/74/74	0/4/4/4
31	PEB	gC	203	2,14,3	-	9/24/74/74	0/4/4/4
31	PEB	kF	202	3	-	10/24/74/74	0/4/4/4
31	PEB	WK	202	3	-	12/24/74/74	0/4/4/4
33	CYC	T3	1001	19	-	8/25/74/74	0/4/4/4
31	PEB	gA	203	2	-	12/24/74/74	0/4/4/4
31	PEB	N4	201	2	-	10/24/74/74	0/4/4/4
31	PEB	NG	201	3	-	8/24/74/74	0/4/4/4
31	PEB	YD	202	2	-	11/24/74/74	0/4/4/4
31	PEB	PE	202	2,10	-	4/24/74/74	0/4/4/4
31	PEB	X7	201	2	-	5/24/74/74	0/4/4/4
31	PEB	tF	201	2	-	7/24/74/74	0/4/4/4
31	PEB	C7	201	2,3	-	11/24/74/74	0/4/4/4
31	PEB	V2	201	2	-	2/24/74/74	0/4/4/4
31	PEB	Y4	203	3	-	13/24/74/74	0/4/4/4
31	PEB	F4	202	2	-	9/24/74/74	0/4/4/4
31	PEB	Y8	203	2,3	-	7/24/74/74	0/4/4/4
31	PEB	B5	201	3	-	11/24/74/74	0/4/4/4
31	PEB	HK	203	2	-	12/24/74/74	0/4/4/4
31	PEB	J6	1002	9	-	12/24/74/74	0/4/4/4
33	CYC	DC	1003	8,9	-	10/25/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	PEB	SJ	202	2	-	9/24/74/74	0/4/4/4
31	PEB	m6	202	2	-	8/24/74/74	0/4/4/4
31	PEB	gE	201	2	-	6/24/74/74	0/4/4/4
31	PEB	Y5	202	2,31	-	7/24/74/74	0/4/4/4
31	PEB	KI	201	3	-	8/24/74/74	0/4/4/4
31	PEB	c4	202	2	-	10/24/74/74	0/4/4/4
31	PEB	A8	202	3	-	11/24/74/74	0/4/4/4
31	PEB	SF	202	3	-	7/24/74/74	0/4/4/4
31	PEB	OI	201	2	-	14/24/74/74	0/4/4/4
31	PEB	E4	202	3	-	7/24/74/74	0/4/4/4
31	PEB	IH	202	3	-	6/24/74/74	0/4/4/4
31	PEB	I9	202	3	-	11/24/74/74	0/4/4/4
31	PEB	eD	201	2	-	9/24/74/74	0/4/4/4
31	PEB	e8	201	2,3	-	11/24/74/74	0/4/4/4
31	PEB	O9	202	2	-	10/24/74/74	0/4/4/4
31	PEB	gB	201	2	-	4/24/74/74	0/4/4/4

All (17075) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I5	202	PEB	CHB-C4B	18.87	1.50	1.35
31	IJ	202	PEB	CHB-C4B	18.85	1.50	1.35
32	NJ	201	PUB	CHB-C1C	18.64	1.50	1.35
32	N5	201	PUB	CHB-C1C	18.59	1.50	1.35
31	LF	202	PEB	CHB-C4B	18.51	1.50	1.35
31	L8	202	PEB	CHB-C4B	18.46	1.50	1.35
33	r3	1001	CYC	CHA-C1A	18.36	1.50	1.35
33	v3	1001	CYC	CHA-C1A	18.34	1.50	1.35
33	N3	1001	CYC	CHA-C1A	18.33	1.50	1.35
33	g3	1001	CYC	CHA-C1A	18.33	1.50	1.35
33	J3	1001	CYC	CHA-C1A	18.31	1.50	1.35
33	c3	1001	CYC	CHA-C1A	18.31	1.50	1.35
33	t3	1001	CYC	CHA-C1A	18.30	1.50	1.35
33	G3	1001	CYC	CHA-C1A	18.30	1.50	1.35
33	R3	1001	CYC	CHA-C1A	18.27	1.50	1.35
33	E3	1001	CYC	CHA-C1A	18.26	1.50	1.35
33	C3	1001	CYC	CHA-C1A	18.26	1.50	1.35
33	T3	1001	CYC	CHA-C1A	18.26	1.50	1.35
33	m3	1001	CYC	CHA-C1A	18.25	1.50	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	P3	1001	CYC	CHA-C1A	18.24	1.50	1.35
33	p3	1001	CYC	CHA-C1A	18.23	1.50	1.35
33	l3	1001	CYC	CHA-C1A	18.21	1.50	1.35
33	e3	1001	CYC	CHA-C1A	18.20	1.50	1.35
33	i3	1001	CYC	CHA-C1A	18.19	1.50	1.35
31	hE	201	PEB	CHB-C4B	18.19	1.50	1.35
33	K3	1001	CYC	CHA-C1A	18.19	1.50	1.35
33	A3	1001	CYC	CHA-C1A	18.16	1.50	1.35
31	hD	201	PEB	CHB-C4B	18.15	1.50	1.35
31	tF	202	PEB	CHB-C4B	18.01	1.50	1.35
31	XK	201	PEB	CHB-C4B	17.99	1.50	1.35
31	t8	202	PEB	CHB-C4B	17.98	1.50	1.35
31	X1	201	PEB	CHB-C4B	17.94	1.50	1.35
31	m2	202	PEB	CHB-C4B	17.91	1.50	1.35
31	dF	202	PEB	CHB-C4B	17.91	1.50	1.35
31	mC	202	PEB	CHB-C4B	17.86	1.50	1.35
31	FF	201	PEB	CHB-C4B	17.82	1.50	1.35
33	x3	1001	CYC	CHA-C1A	17.81	1.50	1.35
31	T7	201	PEB	CHB-C4B	17.79	1.50	1.35
31	kF	202	PEB	CHB-C4B	17.77	1.50	1.35
31	XJ	202	PEB	CHB-C4B	17.76	1.50	1.35
31	d8	202	PEB	CHB-C4B	17.74	1.49	1.35
33	V3	1001	CYC	CHA-C1A	17.73	1.49	1.35
31	F1	203	PEB	CHB-C4B	17.68	1.49	1.35
31	TK	201	PEB	CHB-C4B	17.66	1.49	1.35
31	gC	201	PEB	CHB-C4B	17.65	1.49	1.35
31	AI	202	PEB	CHB-C4B	17.60	1.49	1.35
31	HK	203	PEB	CHB-C4B	17.59	1.49	1.35
31	KI	202	PEB	CHB-C4B	17.58	1.49	1.35
31	P8	202	PEB	CHB-C4B	17.57	1.49	1.35
31	nF	202	PEB	CHB-C4B	17.57	1.49	1.35
31	V1	203	PEB	CHB-C4B	17.56	1.49	1.35
31	hH	203	PEB	CHB-C4B	17.56	1.49	1.35
31	TI	202	PEB	CHB-C4B	17.56	1.49	1.35
31	FK	203	PEB	CHB-C4B	17.55	1.49	1.35
31	GI	202	PEB	CHB-C4B	17.55	1.49	1.35
31	WI	202	PEB	CHB-C4B	17.54	1.49	1.35
31	T1	201	PEB	CHB-C4B	17.54	1.49	1.35
31	F8	201	PEB	CHB-C4B	17.54	1.49	1.35
31	RI	202	PEB	CHB-C4B	17.53	1.49	1.35
32	Z9	304	PUB	CHB-C1C	17.52	1.49	1.35
31	g2	201	PEB	CHB-C4B	17.52	1.49	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	XI	202	PEB	CHB-C4B	17.50	1.49	1.35
31	NI	202	PEB	CHB-C4B	17.50	1.49	1.35
31	KA	303	PEB	CHB-C4B	17.50	1.49	1.35
31	X1	203	PEB	CHB-C4B	17.50	1.49	1.35
31	EI	202	PEB	CHB-C4B	17.49	1.49	1.35
31	k8	202	PEB	CHB-C4B	17.48	1.49	1.35
31	PI	202	PEB	CHB-C4B	17.48	1.49	1.35
32	x8	306	PUB	CHB-C1C	17.47	1.49	1.35
31	II	202	PEB	CHB-C4B	17.47	1.49	1.35
31	QI	201	PEB	CHB-C4B	17.47	1.49	1.35
32	M9	304	PUB	CHB-C1C	17.46	1.49	1.35
31	CI	202	PEB	CHB-C4B	17.45	1.49	1.35
32	xF	306	PUB	CHB-C1C	17.43	1.49	1.35
31	VI	202	PEB	CHB-C4B	17.43	1.49	1.35
31	pF	202	PEB	CHB-C4B	17.43	1.49	1.35
31	E1	201	PEB	CHB-C4B	17.42	1.49	1.35
31	X5	202	PEB	CHB-C4B	17.42	1.49	1.35
31	p8	202	PEB	CHB-C4B	17.41	1.49	1.35
31	bF	202	PEB	CHB-C4B	17.41	1.49	1.35
31	VK	203	PEB	CHB-C4B	17.40	1.49	1.35
31	H1	203	PEB	CHB-C4B	17.39	1.49	1.35
31	t8	201	PEB	CHB-C4B	17.37	1.49	1.35
31	EK	201	PEB	CHB-C4B	17.37	1.49	1.35
31	n8	202	PEB	CHB-C4B	17.37	1.49	1.35
31	b8	202	PEB	CHB-C4B	17.36	1.49	1.35
32	Z9	305	PUB	CHB-C1C	17.36	1.49	1.35
33	LC	1001	CYC	CHA-C1A	17.35	1.49	1.35
31	k8	203	PEB	CHB-C4B	17.35	1.49	1.35
32	M9	305	PUB	CHB-C1C	17.34	1.49	1.35
31	UD	202	PEB	CHB-C4B	17.33	1.49	1.35
31	t8	203	PEB	CHB-C4B	17.33	1.49	1.35
31	PF	202	PEB	CHB-C4B	17.32	1.49	1.35
31	H1	201	PEB	CHB-C4B	17.32	1.49	1.35
31	RJ	201	PEB	CHB-C4B	17.32	1.49	1.35
31	UI	204	PEB	CHB-C4B	17.31	1.49	1.35
31	J7	201	PEB	CHB-C4B	17.31	1.49	1.35
31	BG	203	PEB	CHB-C4B	17.30	1.49	1.35
31	HK	201	PEB	CHB-C4B	17.30	1.49	1.35
31	tF	201	PEB	CHB-C4B	17.30	1.49	1.35
31	BK	202	PEB	CHB-C4B	17.30	1.49	1.35
31	UE	202	PEB	CHB-C4B	17.28	1.49	1.35
31	lB	202	PEB	CHB-C4B	17.28	1.49	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	XK	203	PEB	CHB-C4B	17.27	1.49	1.35
31	BI	201	PEB	CHB-C4B	17.26	1.49	1.35
31	H7	201	PEB	CHB-C4B	17.26	1.49	1.35
31	W9	202	PEB	CHB-C4B	17.25	1.49	1.35
31	ZG	401	PEB	CHB-C4B	17.24	1.49	1.35
33	L2	1001	CYC	CHA-C1A	17.23	1.49	1.35
31	eD	203	PEB	CHB-C4B	17.23	1.49	1.35
31	B1	202	PEB	CHB-C4B	17.22	1.49	1.35
31	R5	201	PEB	CHB-C4B	17.21	1.49	1.35
31	UA	304	PEB	CHB-C4B	17.20	1.49	1.35
31	l6	202	PEB	CHB-C4B	17.20	1.49	1.35
31	RB	203	PEB	CHB-C4B	17.20	1.49	1.35
31	Z8	202	PEB	CHB-C4B	17.20	1.49	1.35
31	v8	202	PEB	CHB-C4B	17.19	1.49	1.35
31	d8	201	PEB	CHB-C4B	17.18	1.49	1.35
31	F7	201	PEB	CHB-C4B	17.17	1.49	1.35
31	vF	202	PEB	CHB-C4B	17.16	1.49	1.35
31	LK	203	PEB	CHB-C4B	17.13	1.49	1.35
31	dE	203	PEB	CHB-C4B	17.13	1.49	1.35
32	YK	304	PUB	CHB-C1C	17.12	1.49	1.35
31	R6	203	PEB	CHB-C4B	17.12	1.49	1.35
31	o8	202	PEB	CHB-C4B	17.12	1.49	1.35
31	dD	203	PEB	CHB-C4B	17.11	1.49	1.35
31	oF	202	PEB	CHB-C4B	17.11	1.49	1.35
31	OG	201	PEB	CHB-C4B	17.11	1.49	1.35
31	fC	201	PEB	CHB-C4B	17.11	1.49	1.35
31	AF	202	PEB	CHB-C4B	17.10	1.49	1.35
31	f2	201	PEB	CHB-C4B	17.10	1.49	1.35
31	hA	301	PEB	CHB-C4B	17.09	1.49	1.35
31	YI	201	PEB	CHB-C4B	17.09	1.49	1.35
31	ZF	202	PEB	CHB-C4B	17.09	1.49	1.35
31	f8	202	PEB	CHB-C4B	17.08	1.49	1.35
31	kF	203	PEB	CHB-C4B	17.08	1.49	1.35
31	IH	203	PEB	CHB-C4B	17.07	1.49	1.35
31	S4	202	PEB	CHB-C4B	17.07	1.49	1.35
32	A2	303	PUB	CHB-C1C	17.07	1.49	1.35
31	RC	202	PEB	CHB-C4B	17.06	1.49	1.35
31	R2	202	PEB	CHB-C4B	17.06	1.49	1.35
31	g2	202	PEB	CHB-C4B	17.06	1.49	1.35
32	Y1	304	PUB	CHB-C1C	17.05	1.49	1.35
31	A8	202	PEB	CHB-C4B	17.05	1.49	1.35
31	TJ	202	PEB	CHB-C4B	17.05	1.49	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	rF	201	PEB	CHB-C4B	17.04	1.49	1.35
33	W3	1001	CYC	CHA-C1A	17.04	1.49	1.35
31	r8	201	PEB	CHB-C4B	17.04	1.49	1.35
31	fA	301	PEB	CHB-C4B	17.04	1.49	1.35
33	DC	1001	CYC	CHA-C1A	17.04	1.49	1.35
31	iC	202	PEB	CHB-C4B	17.02	1.49	1.35
31	S9	201	PEB	CHB-C4B	17.02	1.49	1.35
31	kE	202	PEB	CHB-C4B	17.02	1.49	1.35
31	JF	201	PEB	CHB-C4B	17.01	1.49	1.35
31	AK	201	PEB	CHB-C4B	17.00	1.49	1.35
31	f8	201	PEB	CHB-C4B	17.00	1.49	1.35
31	iD	202	PEB	CHB-C4B	17.00	1.49	1.35
33	D2	1001	CYC	CHA-C1A	17.00	1.49	1.35
31	U5	201	PEB	CHB-C4B	16.99	1.49	1.35
32	AC	303	PUB	CHB-C1C	16.99	1.49	1.35
33	y3	1001	CYC	CHA-C1A	16.98	1.49	1.35
31	LI	202	PEB	CHB-C4B	16.98	1.49	1.35
31	V2	203	PEB	CHB-C4B	16.98	1.49	1.35
31	uF	201	PEB	CHB-C4B	16.97	1.49	1.35
31	V7	201	PEB	CHB-C4B	16.97	1.49	1.35
31	gC	202	PEB	CHB-C4B	16.97	1.49	1.35
31	dF	201	PEB	CHB-C4B	16.97	1.49	1.35
31	N5	204	PEB	CHB-C4B	16.96	1.49	1.35
31	NJ	204	PEB	CHB-C4B	16.96	1.49	1.35
31	U5	202	PEB	CHB-C4B	16.96	1.49	1.35
31	C8	203	PEB	CHB-C4B	16.96	1.49	1.35
31	VF	201	PEB	CHB-C4B	16.95	1.49	1.35
31	XF	203	PEB	CHB-C4B	16.95	1.49	1.35
31	YC	201	PEB	CHB-C4B	16.95	1.49	1.35
31	UH	203	PEB	CHB-C4B	16.95	1.49	1.35
31	i6	203	PEB	CHB-C4B	16.95	1.49	1.35
31	YJ	202	PEB	CHB-C4B	16.94	1.49	1.35
31	u8	201	PEB	CHB-C4B	16.94	1.49	1.35
31	VE	202	PEB	CHB-C4B	16.94	1.49	1.35
31	cD	202	PEB	CHB-C4B	16.94	1.49	1.35
31	v8	201	PEB	CHB-C4B	16.93	1.49	1.35
31	bC	202	PEB	CHB-C4B	16.92	1.49	1.35
31	mD	203	PEB	CHB-C4B	16.92	1.49	1.35
31	fH	202	PEB	CHB-C4B	16.92	1.49	1.35
31	f2	203	PEB	CHB-C4B	16.92	1.49	1.35
31	cB	202	PEB	CHB-C4B	16.92	1.49	1.35
31	Y5	202	PEB	CHB-C4B	16.91	1.49	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I5	201	PEB	CHB-C4B	16.91	1.49	1.35
31	mE	203	PEB	CHB-C4B	16.90	1.49	1.35
31	T5	202	PEB	CHB-C4B	16.90	1.49	1.35
31	iB	203	PEB	CHB-C4B	16.90	1.49	1.35
31	Y2	201	PEB	CHB-C4B	16.90	1.49	1.35
31	QI	202	PEB	CHB-C4B	16.90	1.49	1.35
31	AJ	301	PEB	CHB-C4B	16.90	1.49	1.35
31	A5	301	PEB	CHB-C4B	16.90	1.49	1.35
31	fF	201	PEB	CHB-C4B	16.90	1.49	1.35
31	VC	203	PEB	CHB-C4B	16.89	1.49	1.35
31	PJ	201	PEB	CHB-C4B	16.89	1.49	1.35
31	S7	203	PEB	CHB-C4B	16.88	1.49	1.35
31	j2	203	PEB	CHB-C4B	16.88	1.49	1.35
31	DI	202	PEB	CHB-C4B	16.88	1.49	1.35
31	UJ	202	PEB	CHB-C4B	16.87	1.49	1.35
31	V8	201	PEB	CHB-C4B	16.87	1.49	1.35
31	UJ	201	PEB	CHB-C4B	16.87	1.49	1.35
31	ID	203	PEB	CHB-C4B	16.87	1.49	1.35
31	X8	203	PEB	CHB-C4B	16.87	1.49	1.35
31	B7	201	PEB	CHB-C4B	16.86	1.49	1.35
32	AC	304	PUB	CHB-C1C	16.86	1.49	1.35
31	mE	201	PEB	CHB-C4B	16.86	1.49	1.35
31	L1	203	PEB	CHB-C4B	16.86	1.49	1.35
31	CJ	201	PEB	CHB-C4B	16.86	1.49	1.35
31	D8	202	PEB	CHB-C4B	16.85	1.49	1.35
31	C5	201	PEB	CHB-C4B	16.85	1.49	1.35
31	IE	203	PEB	CHB-C4B	16.85	1.49	1.35
31	fF	202	PEB	CHB-C4B	16.83	1.49	1.35
31	OH	202	PEB	CHB-C4B	16.83	1.49	1.35
31	b2	202	PEB	CHB-C4B	16.83	1.49	1.35
31	J8	201	PEB	CHB-C4B	16.82	1.49	1.35
31	hF	202	PEB	CHB-C4B	16.81	1.49	1.35
31	kD	202	PEB	CHB-C4B	16.81	1.49	1.35
31	mD	202	PEB	CHB-C4B	16.81	1.49	1.35
31	iD	201	PEB	CHB-C4B	16.81	1.49	1.35
31	IJ	201	PEB	CHB-C4B	16.80	1.49	1.35
31	H9	201	PEB	CHB-C4B	16.80	1.49	1.35
31	GH	202	PEB	CHB-C4B	16.80	1.49	1.35
31	x8	303	PEB	CHB-C4B	16.79	1.49	1.35
31	WJ	202	PEB	CHB-C4B	16.79	1.49	1.35
31	YG	201	PEB	CHB-C4B	16.79	1.49	1.35
31	R7	201	PEB	CHB-C4B	16.79	1.49	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	U7	202	PEB	CHB-C4B	16.79	1.49	1.35
31	NF	202	PEB	CHB-C4B	16.78	1.49	1.35
31	vF	201	PEB	CHB-C4B	16.78	1.49	1.35
31	CF	203	PEB	CHB-C4B	16.78	1.49	1.35
31	jC	203	PEB	CHB-C4B	16.78	1.49	1.35
31	TB	203	PEB	CHB-C4B	16.77	1.49	1.35
31	iE	202	PEB	CHB-C4B	16.77	1.49	1.35
31	QD	202	PEB	CHB-C4B	16.77	1.49	1.35
31	V5	202	PEB	CHB-C4B	16.77	1.49	1.35
31	c6	202	PEB	CHB-C4B	16.77	1.49	1.35
31	DI	203	PEB	CHB-C4B	16.76	1.49	1.35
31	B8	201	PEB	CHB-C4B	16.75	1.49	1.35
31	c6	203	PEB	CHB-C4B	16.75	1.49	1.35
31	VJ	202	PEB	CHB-C4B	16.75	1.49	1.35
31	F8	202	PEB	CHB-C4B	16.75	1.49	1.35
31	h8	202	PEB	CHB-C4B	16.75	1.49	1.35
32	wF	304	PUB	CHB-C1C	16.75	1.49	1.35
31	wF	303	PEB	CHB-C4B	16.74	1.49	1.35
31	HI	201	PEB	CHB-C4B	16.74	1.49	1.35
31	F1	201	PEB	CHB-C4B	16.74	1.49	1.35
31	cE	202	PEB	CHB-C4B	16.74	1.49	1.35
31	nF	201	PEB	CHB-C4B	16.74	1.49	1.35
31	mE	202	PEB	CHB-C4B	16.74	1.49	1.35
32	A2	304	PUB	CHB-C1C	16.74	1.49	1.35
31	BF	201	PEB	CHB-C4B	16.73	1.49	1.35
31	iB	201	PEB	CHB-C4B	16.72	1.49	1.35
31	f6	202	PEB	CHB-C4B	16.72	1.49	1.35
31	i2	202	PEB	CHB-C4B	16.72	1.49	1.35
31	U4	203	PEB	CHB-C4B	16.71	1.49	1.35
33	73	1002	CYC	CHA-C1A	16.71	1.49	1.35
31	iE	201	PEB	CHB-C4B	16.71	1.49	1.35
31	X8	201	PEB	CHB-C4B	16.71	1.49	1.35
31	U9	201	PEB	CHB-C4B	16.71	1.49	1.35
31	n8	201	PEB	CHB-C4B	16.71	1.49	1.35
31	M5	201	PEB	CHB-C4B	16.71	1.49	1.35
31	a6	203	PEB	CHB-C4B	16.71	1.49	1.35
31	PK	201	PEB	CHB-C4B	16.70	1.49	1.35
31	VD	202	PEB	CHB-C4B	16.70	1.49	1.35
31	DF	202	PEB	CHB-C4B	16.70	1.49	1.35
31	A1	201	PEB	CHB-C4B	16.70	1.49	1.35
31	fC	203	PEB	CHB-C4B	16.70	1.49	1.35
31	mC	201	PEB	CHB-C4B	16.70	1.49	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	iF	201	PEB	CHB-C4B	16.69	1.49	1.35
31	NJ	202	PEB	CHB-C4B	16.68	1.49	1.35
31	e1	301	PEB	CHB-C4B	16.68	1.49	1.35
31	FK	201	PEB	CHB-C4B	16.68	1.49	1.35
31	VE	201	PEB	CHB-C4B	16.68	1.49	1.35
31	J8	202	PEB	CHB-C4B	16.68	1.49	1.35
31	Q2	202	PEB	CHB-C4B	16.67	1.49	1.35
31	m2	201	PEB	CHB-C4B	16.67	1.49	1.35
31	b6	202	PEB	CHB-C4B	16.67	1.49	1.35
31	XF	201	PEB	CHB-C4B	16.67	1.49	1.35
31	OB	202	PEB	CHB-C4B	16.67	1.49	1.35
31	k6	201	PEB	CHB-C4B	16.67	1.49	1.35
31	QA	202	PEB	CHB-C4B	16.67	1.49	1.35
31	QJ	202	PEB	CHB-C4B	16.67	1.49	1.35
31	xF	304	PEB	CHB-C4B	16.66	1.49	1.35
31	T6	203	PEB	CHB-C4B	16.66	1.49	1.35
33	FC	1001	CYC	CHA-C1A	16.66	1.49	1.35
31	QE	202	PEB	CHB-C4B	16.66	1.49	1.35
31	QF	202	PEB	CHB-C4B	16.65	1.49	1.35
31	qF	201	PEB	CHB-C4B	16.65	1.49	1.35
31	dD	201	PEB	CHB-C4B	16.65	1.49	1.35
31	FF	202	PEB	CHB-C4B	16.65	1.49	1.35
31	M8	202	PEB	CHB-C4B	16.65	1.49	1.35
31	jE	201	PEB	CHB-C4B	16.65	1.49	1.35
31	kB	201	PEB	CHB-C4B	16.65	1.49	1.35
31	VF	202	PEB	CHB-C4B	16.64	1.49	1.35
31	W5	202	PEB	CHB-C4B	16.64	1.49	1.35
31	iF	203	PEB	CHB-C4B	16.64	1.49	1.35
31	i8	203	PEB	CHB-C4B	16.64	1.49	1.35
31	PK	203	PEB	CHB-C4B	16.64	1.49	1.35
31	P5	201	PEB	CHB-C4B	16.64	1.49	1.35
31	l2	202	PEB	CHB-C4B	16.64	1.49	1.35
31	x8	304	PEB	CHB-C4B	16.64	1.49	1.35
31	d4	203	PEB	CHB-C4B	16.64	1.49	1.35
31	mD	201	PEB	CHB-C4B	16.64	1.49	1.35
31	MJ	201	PEB	CHB-C4B	16.64	1.49	1.35
31	i8	201	PEB	CHB-C4B	16.63	1.49	1.35
31	JF	202	PEB	CHB-C4B	16.63	1.49	1.35
31	RC	201	PEB	CHB-C4B	16.63	1.49	1.35
31	N7	201	PEB	CHB-C4B	16.63	1.49	1.35
31	lC	201	PEB	CHB-C4B	16.63	1.49	1.35
31	qF	203	PEB	CHB-C4B	16.63	1.49	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	fH	203	PEB	CHB-C4B	16.63	1.49	1.35
33	F2	1001	CYC	CHA-C1A	16.63	1.49	1.35
31	HG	201	PEB	CHB-C4B	16.62	1.49	1.35
31	a2	201	PEB	CHB-C4B	16.62	1.49	1.35
31	Y6	201	PEB	CHB-C4B	16.62	1.49	1.35
31	uF	202	PEB	CHB-C4B	16.62	1.49	1.35
31	KK	202	PEB	CHB-C4B	16.62	1.49	1.35
31	UG	201	PEB	CHB-C4B	16.62	1.49	1.35
31	JI	202	PEB	CHB-C4B	16.62	1.49	1.35
31	V8	202	PEB	CHB-C4B	16.62	1.49	1.35
31	q8	203	PEB	CHB-C4B	16.62	1.49	1.35
31	hB	202	PEB	CHB-C4B	16.61	1.49	1.35
31	BF	202	PEB	CHB-C4B	16.61	1.49	1.35
31	fB	202	PEB	CHB-C4B	16.61	1.49	1.35
31	aB	203	PEB	CHB-C4B	16.61	1.49	1.35
31	jH	202	PEB	CHB-C4B	16.61	1.49	1.35
31	N8	202	PEB	CHB-C4B	16.60	1.49	1.35
31	w8	303	PEB	CHB-C4B	16.60	1.49	1.35
31	cC	202	PEB	CHB-C4B	16.60	1.49	1.35
31	N5	202	PEB	CHB-C4B	16.60	1.49	1.35
31	EK	202	PEB	CHB-C4B	16.60	1.49	1.35
31	eE	202	PEB	CHB-C4B	16.60	1.49	1.35
31	P1	201	PEB	CHB-C4B	16.59	1.49	1.35
31	QC	202	PEB	CHB-C4B	16.59	1.49	1.35
31	YJ	201	PEB	CHB-C4B	16.59	1.49	1.35
31	Y5	201	PEB	CHB-C4B	16.59	1.49	1.35
33	NC	1001	CYC	CHA-C1A	16.58	1.49	1.35
31	TJ	201	PEB	CHB-C4B	16.57	1.49	1.35
31	Q5	202	PEB	CHB-C4B	16.57	1.49	1.35
31	AC	305	PEB	CHB-C4B	16.57	1.49	1.35
31	q8	201	PEB	CHB-C4B	16.57	1.49	1.35
31	YB	201	PEB	CHB-C4B	16.57	1.49	1.35
31	h6	201	PEB	CHB-C4B	16.57	1.49	1.35
31	PC	202	PEB	CHB-C4B	16.56	1.49	1.35
31	P1	203	PEB	CHB-C4B	16.56	1.49	1.35
31	fE	202	PEB	CHB-C4B	16.56	1.49	1.35
31	E1	202	PEB	CHB-C4B	16.56	1.49	1.35
31	Y6	203	PEB	CHB-C4B	16.56	1.49	1.35
31	OJ	202	PEB	CHB-C4B	16.55	1.49	1.35
31	Q4	204	PEB	CHB-C4B	16.55	1.49	1.35
31	O6	202	PEB	CHB-C4B	16.55	1.48	1.35
31	R2	201	PEB	CHB-C4B	16.55	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	lF	201	PEB	CHB-C4B	16.55	1.48	1.35
31	e2	202	PEB	CHB-C4B	16.55	1.48	1.35
31	S7	202	PEB	CHB-C4B	16.55	1.48	1.35
31	xF	303	PEB	CHB-C4B	16.54	1.48	1.35
31	eD	202	PEB	CHB-C4B	16.54	1.48	1.35
31	j8	202	PEB	CHB-C4B	16.54	1.48	1.35
31	h6	202	PEB	CHB-C4B	16.54	1.48	1.35
31	MH	203	PEB	CHB-C4B	16.54	1.48	1.35
31	A1	202	PEB	CHB-C4B	16.53	1.48	1.35
31	K1	202	PEB	CHB-C4B	16.53	1.48	1.35
31	PC	201	PEB	CHB-C4B	16.53	1.48	1.35
31	bB	202	PEB	CHB-C4B	16.53	1.48	1.35
31	QJ	201	PEB	CHB-C4B	16.53	1.48	1.35
31	Q5	201	PEB	CHB-C4B	16.53	1.48	1.35
31	T5	201	PEB	CHB-C4B	16.53	1.48	1.35
31	QH	204	PEB	CHB-C4B	16.53	1.48	1.35
31	LG	201	PEB	CHB-C4B	16.52	1.48	1.35
31	WI	203	PEB	CHB-C4B	16.52	1.48	1.35
33	M3	1001	CYC	CHA-C1A	16.52	1.48	1.35
31	V2	201	PEB	CHB-C4B	16.52	1.48	1.35
31	l2	201	PEB	CHB-C4B	16.52	1.48	1.35
31	D4	202	PEB	CHB-C4B	16.52	1.48	1.35
31	cB	203	PEB	CHB-C4B	16.52	1.48	1.35
31	OE	201	PEB	CHB-C4B	16.52	1.48	1.35
31	UC	201	PEB	CHB-C4B	16.52	1.48	1.35
31	KA	302	PEB	CHB-C4B	16.51	1.48	1.35
31	mB	203	PEB	CHB-C4B	16.50	1.48	1.35
31	B9	202	PEB	CHB-C4B	16.50	1.48	1.35
31	O7	202	PEB	CHB-C4B	16.50	1.48	1.35
31	BG	201	PEB	CHB-C4B	16.50	1.48	1.35
32	w8	304	PUB	CHB-C1C	16.50	1.48	1.35
31	QF	203	PEB	CHB-C4B	16.50	1.48	1.35
33	H3	1001	CYC	CHA-C1A	16.50	1.48	1.35
31	k2	202	PEB	CHB-C4B	16.50	1.48	1.35
31	L4	201	PEB	CHB-C4B	16.49	1.48	1.35
31	lC	202	PEB	CHB-C4B	16.49	1.48	1.35
31	J9	201	PEB	CHB-C4B	16.49	1.48	1.35
33	q3	1001	CYC	CHA-C1A	16.48	1.48	1.35
31	i6	201	PEB	CHB-C4B	16.48	1.48	1.35
31	RE	202	PEB	CHB-C4B	16.48	1.48	1.35
31	LJ	201	PEB	CHB-C4B	16.47	1.48	1.35
31	YD	202	PEB	CHB-C4B	16.47	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	JJ	202	PEB	CHB-C4B	16.47	1.48	1.35
31	A2	305	PEB	CHB-C4B	16.47	1.48	1.35
33	N2	1001	CYC	CHA-C1A	16.47	1.48	1.35
33	D3	1001	CYC	CHA-C1A	16.46	1.48	1.35
33	d3	1001	CYC	CHA-C1A	16.46	1.48	1.35
31	B8	202	PEB	CHB-C4B	16.46	1.48	1.35
31	VD	201	PEB	CHB-C4B	16.46	1.48	1.35
33	B3	1001	CYC	CHA-C1A	16.46	1.48	1.35
31	YI	202	PEB	CHB-C4B	16.46	1.48	1.35
31	AI	201	PEB	CHB-C4B	16.46	1.48	1.35
31	P2	201	PEB	CHB-C4B	16.46	1.48	1.35
31	HJ	202	PEB	CHB-C4B	16.46	1.48	1.35
31	WJ	201	PEB	CHB-C4B	16.46	1.48	1.35
33	u3	1001	CYC	CHA-C1A	16.46	1.48	1.35
31	YB	203	PEB	CHB-C4B	16.46	1.48	1.35
31	UE	203	PEB	CHB-C4B	16.45	1.48	1.35
31	PG	201	PEB	CHB-C4B	16.45	1.48	1.35
31	VI	201	PEB	CHB-C4B	16.45	1.48	1.35
33	L3	1001	CYC	CHA-C1A	16.45	1.48	1.35
33	f3	1001	CYC	CHA-C1A	16.45	1.48	1.35
31	W2	203	PEB	CHB-C4B	16.45	1.48	1.35
31	Q8	202	PEB	CHB-C4B	16.45	1.48	1.35
31	W5	201	PEB	CHB-C4B	16.45	1.48	1.35
31	G9	202	PEB	CHB-C4B	16.45	1.48	1.35
31	G5	202	PEB	CHB-C4B	16.44	1.48	1.35
31	aC	201	PEB	CHB-C4B	16.44	1.48	1.35
33	Q3	1001	CYC	CHA-C1A	16.44	1.48	1.35
33	o3	1001	CYC	CHA-C1A	16.44	1.48	1.35
31	i4	201	PEB	CHB-C4B	16.44	1.48	1.35
31	G5	201	PEB	CHB-C4B	16.44	1.48	1.35
33	n3	1001	CYC	CHA-C1A	16.44	1.48	1.35
31	YE	202	PEB	CHB-C4B	16.44	1.48	1.35
31	eC	202	PEB	CHB-C4B	16.44	1.48	1.35
31	m6	203	PEB	CHB-C4B	16.44	1.48	1.35
31	JI	201	PEB	CHB-C4B	16.43	1.48	1.35
31	jF	202	PEB	CHB-C4B	16.43	1.48	1.35
31	XG	201	PEB	CHB-C4B	16.43	1.48	1.35
31	RI	201	PEB	CHB-C4B	16.43	1.48	1.35
31	GJ	201	PEB	CHB-C4B	16.43	1.48	1.35
31	Y2	202	PEB	CHB-C4B	16.43	1.48	1.35
31	jD	201	PEB	CHB-C4B	16.43	1.48	1.35
33	U3	1001	CYC	CHA-C1A	16.43	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	T9	202	PEB	CHB-C4B	16.43	1.48	1.35
31	RD	201	PEB	CHB-C4B	16.43	1.48	1.35
31	WE	202	PEB	CHB-C4B	16.43	1.48	1.35
31	h4	202	PEB	CHB-C4B	16.42	1.48	1.35
31	EI	201	PEB	CHB-C4B	16.42	1.48	1.35
31	TI	201	PEB	CHB-C4B	16.42	1.48	1.35
33	F3	1001	CYC	CHA-C1A	16.42	1.48	1.35
31	TG	202	PEB	CHB-C4B	16.42	1.48	1.35
31	jD	202	PEB	CHB-C4B	16.42	1.48	1.35
31	KG	202	PEB	CHB-C4B	16.42	1.48	1.35
31	RG	201	PEB	CHB-C4B	16.41	1.48	1.35
31	k2	201	PEB	CHB-C4B	16.41	1.48	1.35
33	S3	1001	CYC	CHA-C1A	16.41	1.48	1.35
33	h3	1001	CYC	CHA-C1A	16.41	1.48	1.35
31	G4	202	PEB	CHB-C4B	16.41	1.48	1.35
31	UA	302	PEB	CHB-C4B	16.41	1.48	1.35
31	UI	203	PEB	CHB-C4B	16.41	1.48	1.35
31	M7	201	PEB	CHB-C4B	16.41	1.48	1.35
31	OD	202	PEB	CHB-C4B	16.41	1.48	1.35
31	RD	202	PEB	CHB-C4B	16.41	1.48	1.35
31	QI	203	PEB	CHB-C4B	16.41	1.48	1.35
31	CI	201	PEB	CHB-C4B	16.40	1.48	1.35
31	AK	202	PEB	CHB-C4B	16.40	1.48	1.35
31	S6	202	PEB	CHB-C4B	16.40	1.48	1.35
31	h8	201	PEB	CHB-C4B	16.40	1.48	1.35
31	GG	202	PEB	CHB-C4B	16.40	1.48	1.35
31	m4	201	PEB	CHB-C4B	16.40	1.48	1.35
33	73	1001	CYC	CHA-C1A	16.40	1.48	1.35
31	Q8	203	PEB	CHB-C4B	16.40	1.48	1.35
31	XI	201	PEB	CHB-C4B	16.40	1.48	1.35
31	Y4	203	PEB	CHB-C4B	16.40	1.48	1.35
31	N9	202	PEB	CHB-C4B	16.40	1.48	1.35
31	HF	202	PEB	CHB-C4B	16.39	1.48	1.35
31	R1	203	PEB	CHB-C4B	16.39	1.48	1.35
31	OG	203	PEB	CHB-C4B	16.39	1.48	1.35
31	II	201	PEB	CHB-C4B	16.39	1.48	1.35
31	KI	201	PEB	CHB-C4B	16.39	1.48	1.35
31	hB	201	PEB	CHB-C4B	16.39	1.48	1.35
31	H1	202	PEB	CHB-C4B	16.39	1.48	1.35
31	A9	202	PEB	CHB-C4B	16.39	1.48	1.35
31	P9	202	PEB	CHB-C4B	16.39	1.48	1.35
31	sF	203	PEB	CHB-C4B	16.39	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	O5	202	PEB	CHB-C4B	16.39	1.48	1.35
33	O3	1001	CYC	CHA-C1A	16.39	1.48	1.35
31	CF	201	PEB	CHB-C4B	16.38	1.48	1.35
31	LF	201	PEB	CHB-C4B	16.38	1.48	1.35
31	E9	202	PEB	CHB-C4B	16.38	1.48	1.35
31	AB	305	PEB	CHB-C4B	16.38	1.48	1.35
31	MF	202	PEB	CHB-C4B	16.38	1.48	1.35
31	GF	203	PEB	CHB-C4B	16.38	1.48	1.35
31	X9	202	PEB	CHB-C4B	16.38	1.48	1.35
31	IF	202	PEB	CHB-C4B	16.38	1.48	1.35
31	WC	203	PEB	CHB-C4B	16.38	1.48	1.35
31	PI	201	PEB	CHB-C4B	16.38	1.48	1.35
31	RK	203	PEB	CHB-C4B	16.38	1.48	1.35
31	GI	201	PEB	CHB-C4B	16.37	1.48	1.35
31	fD	203	PEB	CHB-C4B	16.37	1.48	1.35
31	c2	202	PEB	CHB-C4B	16.37	1.48	1.35
33	GB	1001	CYC	CHA-C1A	16.37	1.48	1.35
31	T8	202	PEB	CHB-C4B	16.37	1.48	1.35
33	HC	1001	CYC	CHA-C1A	16.37	1.48	1.35
31	QC	201	PEB	CHB-C4B	16.36	1.48	1.35
31	A4	302	PEB	CHB-C4B	16.36	1.48	1.35
31	h4	201	PEB	CHB-C4B	16.36	1.48	1.35
31	L5	201	PEB	CHB-C4B	16.36	1.48	1.35
31	C7	203	PEB	CHB-C4B	16.36	1.48	1.35
31	T2	201	PEB	CHB-C4B	16.36	1.48	1.35
31	MI	301	PEB	CHB-C4B	16.36	1.48	1.35
31	IG	201	PEB	CHB-C4B	16.36	1.48	1.35
31	NG	201	PEB	CHB-C4B	16.36	1.48	1.35
33	G6	1001	CYC	CHA-C1A	16.36	1.48	1.35
31	OI	203	PEB	CHB-C4B	16.36	1.48	1.35
31	RE	201	PEB	CHB-C4B	16.36	1.48	1.35
31	NI	201	PEB	CHB-C4B	16.36	1.48	1.35
31	d4	202	PEB	CHB-C4B	16.36	1.48	1.35
33	w3	1001	CYC	CHA-C1A	16.35	1.48	1.35
31	UD	203	PEB	CHB-C4B	16.35	1.48	1.35
31	dC	202	PEB	CHB-C4B	16.35	1.48	1.35
31	mF	202	PEB	CHB-C4B	16.35	1.48	1.35
31	gC	203	PEB	CHB-C4B	16.35	1.48	1.35
31	OD	201	PEB	CHB-C4B	16.35	1.48	1.35
31	V9	202	PEB	CHB-C4B	16.35	1.48	1.35
31	R9	202	PEB	CHB-C4B	16.34	1.48	1.35
31	VG	201	PEB	CHB-C4B	16.34	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	l8	201	PEB	CHB-C4B	16.34	1.48	1.35
33	k3	1001	CYC	CHA-C1A	16.34	1.48	1.35
31	LI	203	PEB	CHB-C4B	16.34	1.48	1.35
31	L8	201	PEB	CHB-C4B	16.34	1.48	1.35
31	jB	201	PEB	CHB-C4B	16.34	1.48	1.35
31	ND	201	PEB	CHB-C4B	16.34	1.48	1.35
31	NE	201	PEB	CHB-C4B	16.34	1.48	1.35
31	R8	202	PEB	CHB-C4B	16.34	1.48	1.35
31	j4	203	PEB	CHB-C4B	16.34	1.48	1.35
33	H2	1001	CYC	CHA-C1A	16.34	1.48	1.35
31	AB	301	PEB	CHB-C4B	16.33	1.48	1.35
31	LI	201	PEB	CHB-C4B	16.33	1.48	1.35
31	YC	202	PEB	CHB-C4B	16.33	1.48	1.35
31	dE	204	PEB	CHB-C4B	16.33	1.48	1.35
31	eC	201	PEB	CHB-C4B	16.33	1.48	1.35
33	I3	1001	CYC	CHA-C1A	16.33	1.48	1.35
31	AG	201	PEB	CHB-C4B	16.33	1.48	1.35
33	j3	1001	CYC	CHA-C1A	16.32	1.48	1.35
31	m6	201	PEB	CHB-C4B	16.32	1.48	1.35
31	kC	202	PEB	CHB-C4B	16.32	1.48	1.35
31	fD	202	PEB	CHB-C4B	16.32	1.48	1.35
31	SH	202	PEB	CHB-C4B	16.32	1.48	1.35
31	GJ	202	PEB	CHB-C4B	16.32	1.48	1.35
31	gB	202	PEB	CHB-C4B	16.32	1.48	1.35
31	j6	202	PEB	CHB-C4B	16.31	1.48	1.35
31	l8	202	PEB	CHB-C4B	16.31	1.48	1.35
31	N1	203	PEB	CHB-C4B	16.31	1.48	1.35
31	K9	202	PEB	CHB-C4B	16.31	1.48	1.35
31	CG	201	PEB	CHB-C4B	16.31	1.48	1.35
31	A6	304	PEB	CHB-C4B	16.31	1.48	1.35
31	D1	201	PEB	CHB-C4B	16.31	1.48	1.35
31	P2	202	PEB	CHB-C4B	16.30	1.48	1.35
31	gE	201	PEB	CHB-C4B	16.30	1.48	1.35
31	jE	202	PEB	CHB-C4B	16.30	1.48	1.35
31	P6	203	PEB	CHB-C4B	16.30	1.48	1.35
31	HJ	203	PEB	CHB-C4B	16.30	1.48	1.35
31	SA	202	PEB	CHB-C4B	16.30	1.48	1.35
31	U2	201	PEB	CHB-C4B	16.29	1.48	1.35
31	IH	203	PEB	CHB-C4B	16.29	1.48	1.35
31	H8	202	PEB	CHB-C4B	16.29	1.48	1.35
31	I9	202	PEB	CHB-C4B	16.29	1.48	1.35
33	C2	1001	CYC	CHA-C1A	16.29	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	h2	201	PEB	CHB-C4B	16.29	1.48	1.35
31	L1	201	PEB	CHB-C4B	16.29	1.48	1.35
31	VC	201	PEB	CHB-C4B	16.29	1.48	1.35
31	V1	201	PEB	CHB-C4B	16.28	1.48	1.35
31	M4	203	PEB	CHB-C4B	16.28	1.48	1.35
31	S4	201	PEB	CHB-C4B	16.28	1.48	1.35
31	cE	201	PEB	CHB-C4B	16.28	1.48	1.35
31	T4	202	PEB	CHB-C4B	16.28	1.48	1.35
31	R7	202	PEB	CHB-C4B	16.28	1.48	1.35
31	C9	202	PEB	CHB-C4B	16.28	1.48	1.35
31	fE	203	PEB	CHB-C4B	16.28	1.48	1.35
31	TB	201	PEB	CHB-C4B	16.27	1.48	1.35
31	A6	305	PEB	CHB-C4B	16.27	1.48	1.35
31	YF	202	PEB	CHB-C4B	16.27	1.48	1.35
31	L6	1002	PEB	CHB-C4B	16.27	1.48	1.35
31	mB	201	PEB	CHB-C4B	16.27	1.48	1.35
31	cB	201	PEB	CHB-C4B	16.27	1.48	1.35
31	ZA	201	PEB	CHB-C4B	16.27	1.48	1.35
33	FE	1001	CYC	CHA-C1A	16.27	1.48	1.35
31	OI	201	PEB	CHB-C4B	16.26	1.48	1.35
31	AJ	304	PEB	CHB-C4B	16.26	1.48	1.35
31	R5	203	PEB	CHB-C4B	16.26	1.48	1.35
31	dE	201	PEB	CHB-C4B	16.26	1.48	1.35
31	j6	201	PEB	CHB-C4B	16.26	1.48	1.35
31	A6	301	PEB	CHB-C4B	16.26	1.48	1.35
31	OE	202	PEB	CHB-C4B	16.26	1.48	1.35
31	g6	201	PEB	CHB-C4B	16.26	1.48	1.35
31	H5	202	PEB	CHB-C4B	16.26	1.48	1.35
31	HK	202	PEB	CHB-C4B	16.26	1.48	1.35
31	WG	201	PEB	CHB-C4B	16.25	1.48	1.35
31	aC	202	PEB	CHB-C4B	16.25	1.48	1.35
31	b7	501	PEB	CHB-C4B	16.25	1.48	1.35
31	EG	201	PEB	CHB-C4B	16.25	1.48	1.35
31	OB	201	PEB	CHB-C4B	16.25	1.48	1.35
31	h4	203	PEB	CHB-C4B	16.25	1.48	1.35
31	g4	202	PEB	CHB-C4B	16.25	1.48	1.35
31	UI	201	PEB	CHB-C4B	16.25	1.48	1.35
31	a4	204	PEB	CHB-C4B	16.25	1.48	1.35
31	H5	203	PEB	CHB-C4B	16.25	1.48	1.35
31	JG	201	PEB	CHB-C4B	16.25	1.48	1.35
31	TC	201	PEB	CHB-C4B	16.25	1.48	1.35
31	I1	202	PEB	CHB-C4B	16.25	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	X5	203	PEB	CHB-C4B	16.24	1.48	1.35
31	TF	202	PEB	CHB-C4B	16.24	1.48	1.35
31	VK	201	PEB	CHB-C4B	16.24	1.48	1.35
31	Q2	201	PEB	CHB-C4B	16.24	1.48	1.35
31	c8	202	PEB	CHB-C4B	16.24	1.48	1.35
31	FJ	202	PEB	CHB-C4B	16.24	1.48	1.35
31	m8	202	PEB	CHB-C4B	16.24	1.48	1.35
31	BA	201	PEB	CHB-C4B	16.23	1.48	1.35
31	G8	203	PEB	CHB-C4B	16.23	1.48	1.35
31	dD	204	PEB	CHB-C4B	16.23	1.48	1.35
31	d2	202	PEB	CHB-C4B	16.23	1.48	1.35
31	T5	203	PEB	CHB-C4B	16.23	1.48	1.35
31	TE	201	PEB	CHB-C4B	16.23	1.48	1.35
31	WG	203	PEB	CHB-C4B	16.23	1.48	1.35
31	gB	201	PEB	CHB-C4B	16.23	1.48	1.35
31	lD	202	PEB	CHB-C4B	16.23	1.48	1.35
31	aE	202	PEB	CHB-C4B	16.22	1.48	1.35
33	BE	1001	CYC	CHA-C1A	16.22	1.48	1.35
31	JG	202	PEB	CHB-C4B	16.22	1.48	1.35
31	K5	202	PEB	CHB-C4B	16.22	1.48	1.35
31	aH	203	PEB	CHB-C4B	16.22	1.48	1.35
31	g6	203	PEB	CHB-C4B	16.22	1.48	1.35
32	AJ	303	PUB	CHB-C1C	16.22	1.48	1.35
31	NK	203	PEB	CHB-C4B	16.22	1.48	1.35
31	D7	201	PEB	CHB-C4B	16.22	1.48	1.35
31	gD	201	PEB	CHB-C4B	16.21	1.48	1.35
31	WK	202	PEB	CHB-C4B	16.21	1.48	1.35
31	F5	202	PEB	CHB-C4B	16.21	1.48	1.35
31	AC	302	PEB	CHB-C4B	16.21	1.48	1.35
31	l2	203	PEB	CHB-C4B	16.21	1.48	1.35
31	a2	202	PEB	CHB-C4B	16.21	1.48	1.35
31	q8	202	PEB	CHB-C4B	16.21	1.48	1.35
31	LK	201	PEB	CHB-C4B	16.20	1.48	1.35
31	gB	203	PEB	CHB-C4B	16.20	1.48	1.35
31	aF	201	PEB	CHB-C4B	16.20	1.48	1.35
31	s8	203	PEB	CHB-C4B	16.20	1.48	1.35
31	kC	201	PEB	CHB-C4B	16.20	1.48	1.35
31	DK	201	PEB	CHB-C4B	16.20	1.48	1.35
31	gA	201	PEB	CHB-C4B	16.20	1.48	1.35
31	eB	203	PEB	CHB-C4B	16.20	1.48	1.35
31	T7	202	PEB	CHB-C4B	16.20	1.48	1.35
32	yF	302	PUB	CHB-C1C	16.20	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SB	201	PEB	CHB-C4B	16.19	1.48	1.35
31	b2	201	PEB	CHB-C4B	16.19	1.48	1.35
31	WD	201	PEB	CHB-C4B	16.19	1.48	1.35
31	lD	201	PEB	CHB-C4B	16.19	1.48	1.35
31	g4	201	PEB	CHB-C4B	16.19	1.48	1.35
31	FK	202	PEB	CHB-C4B	16.19	1.48	1.35
31	F1	202	PEB	CHB-C4B	16.19	1.48	1.35
31	s8	202	PEB	CHB-C4B	16.19	1.48	1.35
31	X7	202	PEB	CHB-C4B	16.19	1.48	1.35
31	lE	202	PEB	CHB-C4B	16.19	1.48	1.35
31	LB	1002	PEB	CHB-C4B	16.18	1.48	1.35
31	C4	202	PEB	CHB-C4B	16.18	1.48	1.35
31	X5	201	PEB	CHB-C4B	16.18	1.48	1.35
31	TB	202	PEB	CHB-C4B	16.18	1.48	1.35
31	eB	201	PEB	CHB-C4B	16.18	1.48	1.35
32	A5	303	PUB	CHB-C1C	16.18	1.48	1.35
31	QE	203	PEB	CHB-C4B	16.18	1.48	1.35
31	WF	203	PEB	CHB-C4B	16.17	1.48	1.35
31	e2	201	PEB	CHB-C4B	16.17	1.48	1.35
31	A2	301	PEB	CHB-C4B	16.17	1.48	1.35
31	D4	201	PEB	CHB-C4B	16.17	1.48	1.35
31	C8	201	PEB	CHB-C4B	16.17	1.48	1.35
31	OA	201	PEB	CHB-C4B	16.17	1.48	1.35
31	K5	201	PEB	CHB-C4B	16.17	1.48	1.35
31	bC	201	PEB	CHB-C4B	16.17	1.48	1.35
33	BD	1001	CYC	CHA-C1A	16.17	1.48	1.35
31	AD	301	PEB	CHB-C4B	16.16	1.48	1.35
31	P5	202	PEB	CHB-C4B	16.16	1.48	1.35
31	eE	201	PEB	CHB-C4B	16.16	1.48	1.35
33	FB	1001	CYC	CHA-C1A	16.16	1.48	1.35
31	S6	201	PEB	CHB-C4B	16.16	1.48	1.35
31	V7	202	PEB	CHB-C4B	16.16	1.48	1.35
31	U9	202	PEB	CHB-C4B	16.16	1.48	1.35
31	XJ	201	PEB	CHB-C4B	16.16	1.48	1.35
31	U6	202	PEB	CHB-C4B	16.16	1.48	1.35
31	G7	203	PEB	CHB-C4B	16.16	1.48	1.35
31	RF	202	PEB	CHB-C4B	16.16	1.48	1.35
31	PH	201	PEB	CHB-C4B	16.15	1.48	1.35
31	l4	203	PEB	CHB-C4B	16.15	1.48	1.35
31	O5	201	PEB	CHB-C4B	16.15	1.48	1.35
31	FA	201	PEB	CHB-C4B	16.15	1.48	1.35
31	PJ	202	PEB	CHB-C4B	16.14	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aD	202	PEB	CHB-C4B	16.14	1.48	1.35
31	PD	202	PEB	CHB-C4B	16.14	1.48	1.35
31	BI	203	PEB	CHB-C4B	16.14	1.48	1.35
31	K4	201	PEB	CHB-C4B	16.14	1.48	1.35
31	hF	201	PEB	CHB-C4B	16.14	1.48	1.35
31	NF	201	PEB	CHB-C4B	16.14	1.48	1.35
31	W8	203	PEB	CHB-C4B	16.14	1.48	1.35
31	G1	202	PEB	CHB-C4B	16.14	1.48	1.35
31	l4	201	PEB	CHB-C4B	16.14	1.48	1.35
31	bB	201	PEB	CHB-C4B	16.14	1.48	1.35
31	J5	202	PEB	CHB-C4B	16.14	1.48	1.35
31	IK	202	PEB	CHB-C4B	16.14	1.48	1.35
31	eB	202	PEB	CHB-C4B	16.14	1.48	1.35
31	TJ	203	PEB	CHB-C4B	16.13	1.48	1.35
31	hC	201	PEB	CHB-C4B	16.13	1.48	1.35
31	QD	203	PEB	CHB-C4B	16.13	1.48	1.35
31	W4	201	PEB	CHB-C4B	16.13	1.48	1.35
31	A5	304	PEB	CHB-C4B	16.13	1.48	1.35
31	c6	201	PEB	CHB-C4B	16.12	1.48	1.35
31	B4	301	PEB	CHB-C4B	16.12	1.48	1.35
31	V6	201	PEB	CHB-C4B	16.12	1.48	1.35
31	E8	202	PEB	CHB-C4B	16.12	1.48	1.35
31	kC	203	PEB	CHB-C4B	16.11	1.48	1.35
31	L7	201	PEB	CHB-C4B	16.11	1.48	1.35
31	YF	203	PEB	CHB-C4B	16.11	1.48	1.35
31	K4	202	PEB	CHB-C4B	16.11	1.48	1.35
31	AC	301	PEB	CHB-C4B	16.11	1.48	1.35
31	sF	202	PEB	CHB-C4B	16.11	1.48	1.35
31	KJ	202	PEB	CHB-C4B	16.11	1.48	1.35
31	L7	202	PEB	CHB-C4B	16.11	1.48	1.35
33	JC	1003	CYC	CHA-C1A	16.11	1.48	1.35
31	XJ	203	PEB	CHB-C4B	16.11	1.48	1.35
31	N7	202	PEB	CHB-C4B	16.11	1.48	1.35
31	bF	201	PEB	CHB-C4B	16.11	1.48	1.35
31	cD	201	PEB	CHB-C4B	16.11	1.48	1.35
31	PB	201	PEB	CHB-C4B	16.10	1.48	1.35
33	FD	201	CYC	CHA-C1A	16.10	1.48	1.35
31	W1	202	PEB	CHB-C4B	16.10	1.48	1.35
31	dA	201	PEB	CHB-C4B	16.10	1.48	1.35
31	LJ	202	PEB	CHB-C4B	16.10	1.48	1.35
31	RA	201	PEB	CHB-C4B	16.10	1.48	1.35
31	OF	201	PEB	CHB-C4B	16.10	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	qF	202	PEB	CHB-C4B	16.10	1.48	1.35
31	KA	304	PEB	CHB-C4B	16.09	1.48	1.35
31	D7	202	PEB	CHB-C4B	16.09	1.48	1.35
31	m8	201	PEB	CHB-C4B	16.09	1.48	1.35
31	I1	201	PEB	CHB-C4B	16.09	1.48	1.35
31	hH	201	PEB	CHB-C4B	16.09	1.48	1.35
31	c4	202	PEB	CHB-C4B	16.09	1.48	1.35
33	CC	1001	CYC	CHA-C1A	16.09	1.48	1.35
31	AE	301	PEB	CHB-C4B	16.09	1.48	1.35
31	H2	1002	PEB	CHB-C4B	16.09	1.48	1.35
33	F6	1001	CYC	CHA-C1A	16.09	1.48	1.35
31	f4	201	PEB	CHB-C4B	16.08	1.48	1.35
31	rF	202	PEB	CHB-C4B	16.08	1.48	1.35
31	CH	202	PEB	CHB-C4B	16.08	1.48	1.35
31	e6	202	PEB	CHB-C4B	16.08	1.48	1.35
31	O6	201	PEB	CHB-C4B	16.08	1.48	1.35
32	AB	302	PUB	CHB-C1C	16.08	1.48	1.35
31	h2	202	PEB	CHB-C4B	16.08	1.48	1.35
31	b8	201	PEB	CHB-C4B	16.08	1.48	1.35
31	H9	203	PEB	CHB-C4B	16.08	1.48	1.35
31	S5	201	PEB	CHB-C4B	16.07	1.48	1.35
31	UB	202	PEB	CHB-C4B	16.07	1.48	1.35
31	DH	202	PEB	CHB-C4B	16.07	1.48	1.35
32	A6	303	PUB	CHB-C1C	16.07	1.48	1.35
31	M5	202	PEB	CHB-C4B	16.06	1.48	1.35
31	Q9	202	PEB	CHB-C4B	16.06	1.48	1.35
31	e6	201	PEB	CHB-C4B	16.06	1.48	1.35
31	N8	201	PEB	CHB-C4B	16.06	1.48	1.35
31	Y8	202	PEB	CHB-C4B	16.06	1.48	1.35
31	YA	201	PEB	CHB-C4B	16.05	1.48	1.35
31	WE	201	PEB	CHB-C4B	16.05	1.48	1.35
31	IE	201	PEB	CHB-C4B	16.05	1.48	1.35
31	P7	202	PEB	CHB-C4B	16.05	1.48	1.35
31	YK	302	PEB	CHB-C4B	16.05	1.48	1.35
31	DC	1002	PEB	CHB-C4B	16.04	1.48	1.35
31	OJ	201	PEB	CHB-C4B	16.04	1.48	1.35
31	O4	202	PEB	CHB-C4B	16.04	1.48	1.35
31	PF	201	PEB	CHB-C4B	16.04	1.48	1.35
31	eF	201	PEB	CHB-C4B	16.04	1.48	1.35
31	TF	201	PEB	CHB-C4B	16.04	1.48	1.35
31	fD	201	PEB	CHB-C4B	16.03	1.48	1.35
31	EF	202	PEB	CHB-C4B	16.03	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L9	201	PEB	CHB-C4B	16.03	1.48	1.35
31	gH	202	PEB	CHB-C4B	16.03	1.48	1.35
31	KJ	201	PEB	CHB-C4B	16.03	1.48	1.35
31	HI	203	PEB	CHB-C4B	16.03	1.48	1.35
31	M8	203	PEB	CHB-C4B	16.03	1.48	1.35
31	AB	304	PEB	CHB-C4B	16.03	1.48	1.35
31	J1	203	PEB	CHB-C4B	16.03	1.48	1.35
31	T6	202	PEB	CHB-C4B	16.03	1.48	1.35
31	fE	201	PEB	CHB-C4B	16.03	1.48	1.35
31	A2	302	PEB	CHB-C4B	16.03	1.48	1.35
31	dD	202	PEB	CHB-C4B	16.03	1.48	1.35
31	PE	202	PEB	CHB-C4B	16.03	1.48	1.35
31	H4	202	PEB	CHB-C4B	16.03	1.48	1.35
31	gE	202	PEB	CHB-C4B	16.03	1.48	1.35
31	k8	201	PEB	CHB-C4B	16.03	1.48	1.35
31	RJ	203	PEB	CHB-C4B	16.02	1.48	1.35
31	P6	201	PEB	CHB-C4B	16.02	1.48	1.35
31	U9	203	PEB	CHB-C4B	16.02	1.48	1.35
33	M2	201	CYC	CHA-C1A	16.02	1.48	1.35
31	l6	201	PEB	CHB-C4B	16.01	1.48	1.35
31	T6	201	PEB	CHB-C4B	16.01	1.48	1.35
31	mF	201	PEB	CHB-C4B	16.01	1.48	1.35
32	AE	303	PUB	CHB-C1C	16.01	1.48	1.35
31	M1	202	PEB	CHB-C4B	16.01	1.48	1.35
32	AB	303	PUB	CHB-C1C	16.01	1.48	1.35
31	b6	201	PEB	CHB-C4B	16.00	1.48	1.35
31	O8	201	PEB	CHB-C4B	16.00	1.48	1.35
31	B9	201	PEB	CHB-C4B	16.00	1.48	1.35
31	ZF	201	PEB	CHB-C4B	16.00	1.48	1.35
33	N6	1001	CYC	CHA-C1A	16.00	1.48	1.35
31	d4	201	PEB	CHB-C4B	16.00	1.48	1.35
31	a6	201	PEB	CHB-C4B	16.00	1.48	1.35
31	VB	201	PEB	CHB-C4B	16.00	1.48	1.35
31	e6	203	PEB	CHB-C4B	16.00	1.48	1.35
31	uF	203	PEB	CHB-C4B	16.00	1.48	1.35
31	a8	201	PEB	CHB-C4B	15.99	1.48	1.35
31	a4	203	PEB	CHB-C4B	15.99	1.48	1.35
31	Y7	501	PEB	CHB-C4B	15.99	1.48	1.35
31	WH	202	PEB	CHB-C4B	15.99	1.48	1.35
31	MK	202	PEB	CHB-C4B	15.99	1.48	1.35
32	y8	302	PUB	CHB-C1C	15.99	1.48	1.35
31	Z8	201	PEB	CHB-C4B	15.99	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	TD	201	PEB	CHB-C4B	15.99	1.48	1.35
31	YI	203	PEB	CHB-C4B	15.99	1.48	1.35
31	bE	201	PEB	CHB-C4B	15.99	1.48	1.35
31	hE	202	PEB	CHB-C4B	15.98	1.48	1.35
31	HC	1002	PEB	CHB-C4B	15.98	1.48	1.35
31	DE	1002	PEB	CHB-C4B	15.98	1.48	1.35
31	NJ	203	PEB	CHB-C4B	15.98	1.48	1.35
31	ZE	203	PEB	CHB-C4B	15.97	1.48	1.35
31	p8	201	PEB	CHB-C4B	15.97	1.48	1.35
31	S7	201	PEB	CHB-C4B	15.97	1.48	1.35
31	TH	202	PEB	CHB-C4B	15.97	1.48	1.35
31	MJ	202	PEB	CHB-C4B	15.97	1.48	1.35
31	MF	203	PEB	CHB-C4B	15.97	1.48	1.35
31	L5	202	PEB	CHB-C4B	15.97	1.48	1.35
31	R8	201	PEB	CHB-C4B	15.97	1.48	1.35
31	U7	201	PEB	CHB-C4B	15.97	1.48	1.35
31	yF	301	PEB	CHB-C4B	15.97	1.48	1.35
31	SJ	201	PEB	CHB-C4B	15.96	1.48	1.35
31	Y8	203	PEB	CHB-C4B	15.96	1.48	1.35
32	A6	302	PUB	CHB-C1C	15.96	1.48	1.35
33	K6	1001	CYC	CHA-C1A	15.96	1.48	1.35
31	Y7	504	PEB	CHB-C4B	15.96	1.48	1.35
33	NB	1001	CYC	CHA-C1A	15.96	1.48	1.35
31	r8	202	PEB	CHB-C4B	15.95	1.48	1.35
31	N5	203	PEB	CHB-C4B	15.95	1.48	1.35
31	R4	202	PEB	CHB-C4B	15.95	1.48	1.35
31	a4	202	PEB	CHB-C4B	15.95	1.48	1.35
31	WD	202	PEB	CHB-C4B	15.94	1.48	1.35
31	f4	202	PEB	CHB-C4B	15.94	1.48	1.35
31	L5	203	PEB	CHB-C4B	15.94	1.48	1.35
31	jF	201	PEB	CHB-C4B	15.94	1.48	1.35
31	Y1	302	PEB	CHB-C4B	15.94	1.48	1.35
31	e8	201	PEB	CHB-C4B	15.94	1.48	1.35
31	B7	202	PEB	CHB-C4B	15.93	1.48	1.35
31	C7	202	PEB	CHB-C4B	15.93	1.48	1.35
31	SJ	202	PEB	CHB-C4B	15.93	1.48	1.35
33	KB	1001	CYC	CHA-C1A	15.93	1.48	1.35
31	O2	201	PEB	CHB-C4B	15.93	1.48	1.35
31	SB	202	PEB	CHB-C4B	15.92	1.48	1.35
31	kF	201	PEB	CHB-C4B	15.92	1.48	1.35
31	W4	202	PEB	CHB-C4B	15.92	1.48	1.35
31	f4	203	PEB	CHB-C4B	15.92	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	gD	202	PEB	CHB-C4B	15.92	1.48	1.35
31	eD	201	PEB	CHB-C4B	15.92	1.48	1.35
31	RF	201	PEB	CHB-C4B	15.91	1.48	1.35
31	PJ	203	PEB	CHB-C4B	15.91	1.48	1.35
31	hH	202	PEB	CHB-C4B	15.91	1.48	1.35
31	ZB	202	PEB	CHB-C4B	15.91	1.48	1.35
31	B5	202	PEB	CHB-C4B	15.91	1.48	1.35
31	b7	503	PEB	CHB-C4B	15.91	1.48	1.35
31	g6	202	PEB	CHB-C4B	15.91	1.48	1.35
31	hD	202	PEB	CHB-C4B	15.91	1.48	1.35
31	ZB	201	PEB	CHB-C4B	15.91	1.48	1.35
31	J1	202	PEB	CHB-C4B	15.91	1.48	1.35
31	BJ	202	PEB	CHB-C4B	15.90	1.48	1.35
31	Q4	201	PEB	CHB-C4B	15.90	1.48	1.35
31	Q4	203	PEB	CHB-C4B	15.90	1.48	1.35
31	QG	201	PEB	CHB-C4B	15.90	1.48	1.35
31	dE	202	PEB	CHB-C4B	15.90	1.48	1.35
31	RA	202	PEB	CHB-C4B	15.90	1.48	1.35
31	FC	1002	PEB	CHB-C4B	15.90	1.48	1.35
31	JK	203	PEB	CHB-C4B	15.89	1.48	1.35
31	DB	1002	PEB	CHB-C4B	15.89	1.48	1.35
31	JI	203	PEB	CHB-C4B	15.89	1.48	1.35
31	LJ	203	PEB	CHB-C4B	15.89	1.48	1.35
31	V2	202	PEB	CHB-C4B	15.89	1.48	1.35
31	S4	203	PEB	CHB-C4B	15.89	1.48	1.35
31	jB	202	PEB	CHB-C4B	15.89	1.48	1.35
31	eA	201	PEB	CHB-C4B	15.88	1.48	1.35
33	K2	201	CYC	CHA-C1A	15.88	1.48	1.35
31	VH	202	PEB	CHB-C4B	15.88	1.48	1.35
31	SE	202	PEB	CHB-C4B	15.88	1.48	1.35
31	P4	201	PEB	CHB-C4B	15.88	1.48	1.35
31	ZD	203	PEB	CHB-C4B	15.88	1.48	1.35
31	D2	1002	PEB	CHB-C4B	15.88	1.48	1.35
31	A7	202	PEB	CHB-C4B	15.88	1.48	1.35
31	IK	201	PEB	CHB-C4B	15.87	1.48	1.35
31	gH	201	PEB	CHB-C4B	15.87	1.48	1.35
31	k6	202	PEB	CHB-C4B	15.87	1.48	1.35
31	M7	202	PEB	CHB-C4B	15.87	1.48	1.35
31	PE	201	PEB	CHB-C4B	15.87	1.48	1.35
31	d2	203	PEB	CHB-C4B	15.87	1.48	1.35
31	I7	201	PEB	CHB-C4B	15.87	1.48	1.35
33	KC	201	CYC	CHA-C1A	15.87	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L9	202	PEB	CHB-C4B	15.87	1.48	1.35
31	HE	1002	PEB	CHB-C4B	15.86	1.48	1.35
31	DF	201	PEB	CHB-C4B	15.86	1.48	1.35
31	kH	202	PEB	CHB-C4B	15.86	1.48	1.35
31	bD	202	PEB	CHB-C4B	15.86	1.48	1.35
31	k4	202	PEB	CHB-C4B	15.86	1.48	1.35
31	S5	202	PEB	CHB-C4B	15.86	1.48	1.35
32	AD	303	PUB	CHB-C1C	15.86	1.48	1.35
31	UA	303	PEB	CHB-C4B	15.86	1.48	1.35
31	GK	202	PEB	CHB-C4B	15.86	1.48	1.35
31	P5	203	PEB	CHB-C4B	15.86	1.48	1.35
31	WC	202	PEB	CHB-C4B	15.86	1.48	1.35
31	E4	203	PEB	CHB-C4B	15.86	1.48	1.35
31	YH	203	PEB	CHB-C4B	15.86	1.48	1.35
31	kB	202	PEB	CHB-C4B	15.86	1.48	1.35
31	d6	202	PEB	CHB-C4B	15.86	1.48	1.35
31	IA	202	PEB	CHB-C4B	15.85	1.48	1.35
31	dB	202	PEB	CHB-C4B	15.84	1.48	1.35
33	CE	1001	CYC	CHA-C1A	15.84	1.48	1.35
31	TC	202	PEB	CHB-C4B	15.84	1.48	1.35
31	W2	202	PEB	CHB-C4B	15.84	1.48	1.35
31	b7	502	PEB	CHB-C4B	15.84	1.48	1.35
31	j8	201	PEB	CHB-C4B	15.83	1.48	1.35
31	H9	202	PEB	CHB-C4B	15.83	1.48	1.35
31	P8	201	PEB	CHB-C4B	15.83	1.48	1.35
31	UI	202	PEB	CHB-C4B	15.83	1.48	1.35
31	P7	201	PEB	CHB-C4B	15.82	1.48	1.35
31	NB	1002	PEB	CHB-C4B	15.82	1.48	1.35
31	oF	203	PEB	CHB-C4B	15.82	1.48	1.35
31	KA	301	PEB	CHB-C4B	15.81	1.48	1.35
31	T8	201	PEB	CHB-C4B	15.81	1.48	1.35
31	u8	202	PEB	CHB-C4B	15.81	1.48	1.35
31	pF	201	PEB	CHB-C4B	15.81	1.48	1.35
31	eF	203	PEB	CHB-C4B	15.81	1.48	1.35
31	cF	203	PEB	CHB-C4B	15.81	1.48	1.35
31	g8	202	PEB	CHB-C4B	15.80	1.48	1.35
31	O2	203	PEB	CHB-C4B	15.80	1.48	1.35
31	ZA	202	PEB	CHB-C4B	15.80	1.48	1.35
31	F2	1002	PEB	CHB-C4B	15.80	1.48	1.35
31	ZE	201	PEB	CHB-C4B	15.79	1.48	1.35
31	dC	203	PEB	CHB-C4B	15.79	1.48	1.35
31	KE	201	PEB	CHB-C4B	15.79	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	DK	203	PEB	CHB-C4B	15.79	1.48	1.35
31	D8	201	PEB	CHB-C4B	15.79	1.48	1.35
32	Q4	202	PUB	CHB-C1C	15.79	1.48	1.35
31	y8	301	PEB	CHB-C4B	15.79	1.48	1.35
31	ZD	201	PEB	CHB-C4B	15.78	1.48	1.35
31	o8	203	PEB	CHB-C4B	15.78	1.48	1.35
31	aB	201	PEB	CHB-C4B	15.78	1.48	1.35
31	EH	203	PEB	CHB-C4B	15.78	1.48	1.35
31	T2	202	PEB	CHB-C4B	15.78	1.48	1.35
31	e4	201	PEB	CHB-C4B	15.78	1.48	1.35
31	D6	1002	PEB	CHB-C4B	15.78	1.48	1.35
31	b2	203	PEB	CHB-C4B	15.77	1.48	1.35
31	ZI	303	PEB	CHB-C4B	15.77	1.48	1.35
31	lF	203	PEB	CHB-C4B	15.77	1.48	1.35
31	AJ	302	PEB	CHB-C4B	15.77	1.48	1.35
31	dB	201	PEB	CHB-C4B	15.77	1.48	1.35
31	PD	201	PEB	CHB-C4B	15.77	1.48	1.35
31	kD	201	PEB	CHB-C4B	15.77	1.48	1.35
31	Y4	202	PEB	CHB-C4B	15.77	1.48	1.35
31	a6	202	PEB	CHB-C4B	15.77	1.48	1.35
31	QA	203	PEB	CHB-C4B	15.76	1.48	1.35
31	VC	202	PEB	CHB-C4B	15.76	1.48	1.35
31	D1	203	PEB	CHB-C4B	15.76	1.48	1.35
31	aA	202	PEB	CHB-C4B	15.76	1.48	1.35
31	fB	201	PEB	CHB-C4B	15.76	1.48	1.35
33	63	901	CYC	CHA-C1A	15.76	1.48	1.35
31	X4	201	PEB	CHB-C4B	15.76	1.48	1.35
31	FI	201	PEB	CHB-C4B	15.76	1.48	1.35
31	wF	302	PEB	CHB-C4B	15.76	1.48	1.35
31	eC	203	PEB	CHB-C4B	15.75	1.48	1.35
31	V4	201	PEB	CHB-C4B	15.75	1.48	1.35
31	m4	202	PEB	CHB-C4B	15.75	1.48	1.35
31	U1	202	PEB	CHB-C4B	15.75	1.48	1.35
31	g8	203	PEB	CHB-C4B	15.74	1.48	1.35
31	SH	203	PEB	CHB-C4B	15.74	1.48	1.35
31	JK	202	PEB	CHB-C4B	15.74	1.48	1.35
31	Q7	203	PEB	CHB-C4B	15.74	1.48	1.35
31	SG	202	PEB	CHB-C4B	15.74	1.48	1.35
31	dH	201	PEB	CHB-C4B	15.74	1.48	1.35
31	iH	202	PEB	CHB-C4B	15.74	1.48	1.35
32	QH	202	PUB	CHB-C1C	15.74	1.48	1.35
31	Z6	202	PEB	CHB-C4B	15.74	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	H6	1002	PEB	CHB-C4B	15.73	1.48	1.35
31	O9	201	PEB	CHB-C4B	15.73	1.48	1.35
31	lB	201	PEB	CHB-C4B	15.73	1.48	1.35
31	VH	201	PEB	CHB-C4B	15.73	1.48	1.35
31	d6	201	PEB	CHB-C4B	15.73	1.48	1.35
31	DD	1002	PEB	CHB-C4B	15.73	1.48	1.35
31	J4	202	PEB	CHB-C4B	15.73	1.48	1.35
31	RJ	202	PEB	CHB-C4B	15.73	1.48	1.35
31	E7	201	PEB	CHB-C4B	15.73	1.48	1.35
31	HD	1002	PEB	CHB-C4B	15.72	1.48	1.35
31	a4	201	PEB	CHB-C4B	15.72	1.48	1.35
31	l8	203	PEB	CHB-C4B	15.72	1.48	1.35
31	K8	203	PEB	CHB-C4B	15.72	1.48	1.35
31	BK	203	PEB	CHB-C4B	15.72	1.48	1.35
31	O4	203	PEB	CHB-C4B	15.72	1.48	1.35
31	OC	201	PEB	CHB-C4B	15.71	1.48	1.35
31	MI	304	PEB	CHB-C4B	15.71	1.48	1.35
31	Z6	201	PEB	CHB-C4B	15.71	1.48	1.35
31	KD	201	PEB	CHB-C4B	15.71	1.48	1.35
31	I4	203	PEB	CHB-C4B	15.71	1.48	1.35
31	SD	202	PEB	CHB-C4B	15.71	1.48	1.35
31	N6	1002	PEB	CHB-C4B	15.71	1.48	1.35
31	H7	202	PEB	CHB-C4B	15.71	1.48	1.35
31	U4	201	PEB	CHB-C4B	15.70	1.48	1.35
31	A5	302	PEB	CHB-C4B	15.70	1.48	1.35
31	E7	202	PEB	CHB-C4B	15.70	1.48	1.35
31	O4	201	PEB	CHB-C4B	15.70	1.48	1.35
31	aF	202	PEB	CHB-C4B	15.70	1.48	1.35
31	gF	202	PEB	CHB-C4B	15.70	1.48	1.35
32	B4	302	PUB	CHB-C1C	15.70	1.48	1.35
33	FD	202	CYC	CHA-C1A	15.70	1.48	1.35
31	MA	201	PEB	CHB-C4B	15.69	1.48	1.35
31	XF	202	PEB	CHB-C4B	15.69	1.48	1.35
31	j2	202	PEB	CHB-C4B	15.69	1.48	1.35
31	GA	203	PEB	CHB-C4B	15.69	1.48	1.35
31	RK	201	PEB	CHB-C4B	15.69	1.48	1.35
31	BA	202	PEB	CHB-C4B	15.68	1.48	1.35
31	cA	401	PEB	CHB-C4B	15.68	1.48	1.35
31	MF	201	PEB	CHB-C4B	15.68	1.48	1.35
31	B1	203	PEB	CHB-C4B	15.68	1.48	1.35
31	x8	302	PEB	CHB-C4B	15.68	1.48	1.35
31	YG	202	PEB	CHB-C4B	15.68	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	LD	1002	PEB	CHB-C4B	15.68	1.48	1.35
31	LH	201	PEB	CHB-C4B	15.68	1.48	1.35
33	H6	1001	CYC	CHA-C1A	15.67	1.48	1.35
31	c4	201	PEB	CHB-C4B	15.67	1.48	1.35
31	UK	202	PEB	CHB-C4B	15.67	1.48	1.35
31	X7	201	PEB	CHB-C4B	15.67	1.48	1.35
31	J9	202	PEB	CHB-C4B	15.67	1.48	1.35
31	FG	201	PEB	CHB-C4B	15.66	1.48	1.35
31	aB	202	PEB	CHB-C4B	15.66	1.48	1.35
33	CB	1001	CYC	CHA-C1A	15.66	1.48	1.35
31	J4	201	PEB	CHB-C4B	15.66	1.48	1.35
31	BA	203	PEB	CHB-C4B	15.66	1.48	1.35
31	f6	201	PEB	CHB-C4B	15.66	1.48	1.35
31	c8	203	PEB	CHB-C4B	15.66	1.48	1.35
31	XA	201	PEB	CHB-C4B	15.65	1.48	1.35
31	SI	202	PEB	CHB-C4B	15.65	1.48	1.35
31	i4	202	PEB	CHB-C4B	15.65	1.48	1.35
31	WI	201	PEB	CHB-C4B	15.64	1.48	1.35
31	JJ	201	PEB	CHB-C4B	15.64	1.48	1.35
31	RB	201	PEB	CHB-C4B	15.64	1.48	1.35
31	PB	202	PEB	CHB-C4B	15.63	1.48	1.35
33	JC	1001	CYC	CHA-C1A	15.63	1.48	1.35
31	HG	202	PEB	CHB-C4B	15.63	1.48	1.35
31	NK	201	PEB	CHB-C4B	15.63	1.48	1.35
31	V4	202	PEB	CHB-C4B	15.63	1.48	1.35
31	X8	202	PEB	CHB-C4B	15.63	1.48	1.35
31	mH	201	PEB	CHB-C4B	15.63	1.48	1.35
32	AD	302	PUB	CHB-C1C	15.62	1.48	1.35
32	AE	302	PUB	CHB-C1C	15.62	1.48	1.35
31	P4	202	PEB	CHB-C4B	15.62	1.48	1.35
31	Z4	201	PEB	CHB-C4B	15.62	1.48	1.35
31	O1	202	PEB	CHB-C4B	15.62	1.48	1.35
31	E4	201	PEB	CHB-C4B	15.62	1.48	1.35
31	jH	203	PEB	CHB-C4B	15.62	1.48	1.35
31	E5	202	PEB	CHB-C4B	15.62	1.48	1.35
31	dJ	401	PEB	CHB-C4B	15.62	1.48	1.35
31	W6	201	PEB	CHB-C4B	15.61	1.48	1.35
31	J6	1002	PEB	CHB-C4B	15.61	1.48	1.35
31	IA	201	PEB	CHB-C4B	15.61	1.48	1.35
31	w8	302	PEB	CHB-C4B	15.61	1.48	1.35
31	JB	1002	PEB	CHB-C4B	15.60	1.48	1.35
31	B1	201	PEB	CHB-C4B	15.60	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	FH	202	PEB	CHB-C4B	15.60	1.48	1.35
31	FI	202	PEB	CHB-C4B	15.60	1.48	1.35
31	NA	203	PEB	CHB-C4B	15.60	1.48	1.35
31	MK	201	PEB	CHB-C4B	15.60	1.48	1.35
31	cA	403	PEB	CHB-C4B	15.60	1.48	1.35
31	Y7	502	PEB	CHB-C4B	15.59	1.48	1.35
31	R1	201	PEB	CHB-C4B	15.59	1.48	1.35
31	J5	201	PEB	CHB-C4B	15.59	1.48	1.35
31	m6	202	PEB	CHB-C4B	15.59	1.48	1.35
32	AH	304	PUB	CHB-C1C	15.59	1.48	1.35
31	LE	1002	PEB	CHB-C4B	15.58	1.48	1.35
31	Q6	201	PEB	CHB-C4B	15.58	1.48	1.35
31	SI	203	PEB	CHB-C4B	15.58	1.48	1.35
31	L4	202	PEB	CHB-C4B	15.57	1.48	1.35
31	R6	201	PEB	CHB-C4B	15.57	1.48	1.35
33	IB	1001	CYC	CHA-C1A	15.57	1.48	1.35
31	c2	201	PEB	CHB-C4B	15.57	1.48	1.35
31	hD	203	PEB	CHB-C4B	15.57	1.48	1.35
31	hE	203	PEB	CHB-C4B	15.57	1.48	1.35
31	V1	202	PEB	CHB-C4B	15.56	1.48	1.35
31	i2	201	PEB	CHB-C4B	15.56	1.48	1.35
33	I6	1001	CYC	CHA-C1A	15.56	1.48	1.35
31	kH	201	PEB	CHB-C4B	15.56	1.48	1.35
31	DA	201	PEB	CHB-C4B	15.56	1.48	1.35
31	BH	301	PEB	CHB-C4B	15.56	1.48	1.35
31	GA	202	PEB	CHB-C4B	15.55	1.48	1.35
31	P6	202	PEB	CHB-C4B	15.55	1.48	1.35
31	AE	304	PEB	CHB-C4B	15.55	1.48	1.35
31	xF	302	PEB	CHB-C4B	15.54	1.48	1.35
31	QC	203	PEB	CHB-C4B	15.54	1.48	1.35
31	N4	202	PEB	CHB-C4B	15.54	1.48	1.35
33	D2	1003	CYC	CHA-C1A	15.54	1.48	1.35
31	ZA	203	PEB	CHB-C4B	15.54	1.48	1.35
31	WA	402	PEB	CHB-C4B	15.53	1.48	1.35
33	J2	1001	CYC	CHA-C1A	15.53	1.48	1.35
31	JH	202	PEB	CHB-C4B	15.52	1.48	1.35
31	jC	202	PEB	CHB-C4B	15.52	1.48	1.35
31	F5	201	PEB	CHB-C4B	15.52	1.48	1.35
31	F7	202	PEB	CHB-C4B	15.52	1.48	1.35
33	M6	1001	CYC	CHA-C1A	15.52	1.48	1.35
31	KH	202	PEB	CHB-C4B	15.52	1.48	1.35
31	UE	201	PEB	CHB-C4B	15.52	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	J7	202	PEB	CHB-C4B	15.52	1.48	1.35
31	gF	203	PEB	CHB-C4B	15.51	1.48	1.35
31	iC	201	PEB	CHB-C4B	15.51	1.48	1.35
31	e8	203	PEB	CHB-C4B	15.51	1.48	1.35
32	A4	304	PUB	CHB-C1C	15.51	1.48	1.35
31	PH	202	PEB	CHB-C4B	15.51	1.48	1.35
31	C7	201	PEB	CHB-C4B	15.51	1.48	1.35
31	LH	202	PEB	CHB-C4B	15.51	1.48	1.35
31	Y9	203	PEB	CHB-C4B	15.51	1.48	1.35
33	C6	1001	CYC	CHA-C1A	15.51	1.48	1.35
31	EJ	202	PEB	CHB-C4B	15.50	1.48	1.35
31	F5	203	PEB	CHB-C4B	15.50	1.48	1.35
31	F9	202	PEB	CHB-C4B	15.50	1.48	1.35
31	LG	202	PEB	CHB-C4B	15.50	1.48	1.35
31	O8	203	PEB	CHB-C4B	15.50	1.48	1.35
31	aF	203	PEB	CHB-C4B	15.50	1.48	1.35
31	F4	202	PEB	CHB-C4B	15.49	1.48	1.35
31	S9	202	PEB	CHB-C4B	15.49	1.48	1.35
31	cC	201	PEB	CHB-C4B	15.49	1.48	1.35
31	BK	201	PEB	CHB-C4B	15.49	1.48	1.35
31	N1	201	PEB	CHB-C4B	15.49	1.48	1.35
31	X4	202	PEB	CHB-C4B	15.49	1.48	1.35
31	Y1	301	PEB	CHB-C4B	15.49	1.48	1.35
31	R5	202	PEB	CHB-C4B	15.49	1.48	1.35
31	XA	202	PEB	CHB-C4B	15.48	1.48	1.35
31	D9	202	PEB	CHB-C4B	15.48	1.48	1.35
31	gA	202	PEB	CHB-C4B	15.48	1.48	1.35
31	OC	203	PEB	CHB-C4B	15.48	1.48	1.35
31	E5	201	PEB	CHB-C4B	15.48	1.48	1.35
31	AD	304	PEB	CHB-C4B	15.48	1.48	1.35
31	M1	201	PEB	CHB-C4B	15.47	1.48	1.35
31	j4	202	PEB	CHB-C4B	15.47	1.48	1.35
31	KF	203	PEB	CHB-C4B	15.47	1.48	1.35
31	NA	202	PEB	CHB-C4B	15.47	1.48	1.35
31	d5	401	PEB	CHB-C4B	15.47	1.48	1.35
31	O9	202	PEB	CHB-C4B	15.46	1.48	1.35
31	CA	201	PEB	CHB-C4B	15.46	1.48	1.35
33	MB	1001	CYC	CHA-C1A	15.46	1.48	1.35
31	cH	202	PEB	CHB-C4B	15.46	1.48	1.35
31	EA	501	PEB	CHB-C4B	15.45	1.48	1.35
31	E7	203	PEB	CHB-C4B	15.45	1.48	1.35
32	y8	303	PUB	CHB-C1C	15.45	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A4	301	PEB	CHB-C4B	15.44	1.48	1.35
31	JH	201	PEB	CHB-C4B	15.44	1.48	1.35
31	WB	201	PEB	CHB-C4B	15.44	1.48	1.35
31	SC	201	PEB	CHB-C4B	15.44	1.48	1.35
31	UA	301	PEB	CHB-C4B	15.44	1.48	1.35
31	WK	201	PEB	CHB-C4B	15.44	1.48	1.35
31	D1	202	PEB	CHB-C4B	15.44	1.48	1.35
31	NA	201	PEB	CHB-C4B	15.44	1.48	1.35
33	DC	1003	CYC	CHA-C1A	15.44	1.48	1.35
31	VK	202	PEB	CHB-C4B	15.43	1.48	1.35
31	K8	202	PEB	CHB-C4B	15.43	1.48	1.35
31	QB	201	PEB	CHB-C4B	15.43	1.48	1.35
31	G4	201	PEB	CHB-C4B	15.43	1.48	1.35
31	ZC	203	PEB	CHB-C4B	15.42	1.48	1.35
31	dH	202	PEB	CHB-C4B	15.42	1.48	1.35
31	QH	201	PEB	CHB-C4B	15.42	1.48	1.35
31	VA	202	PEB	CHB-C4B	15.42	1.48	1.35
31	bD	201	PEB	CHB-C4B	15.42	1.48	1.35
31	YH	201	PEB	CHB-C4B	15.42	1.48	1.35
31	FJ	203	PEB	CHB-C4B	15.42	1.48	1.35
31	DG	202	PEB	CHB-C4B	15.41	1.48	1.35
31	F9	203	PEB	CHB-C4B	15.41	1.48	1.35
31	Z4	202	PEB	CHB-C4B	15.41	1.48	1.35
31	EJ	201	PEB	CHB-C4B	15.41	1.48	1.35
33	E6	1001	CYC	CHA-C1A	15.41	1.48	1.35
31	DK	202	PEB	CHB-C4B	15.41	1.48	1.35
31	YK	301	PEB	CHB-C4B	15.41	1.48	1.35
33	LE	1001	CYC	CHA-C1A	15.41	1.48	1.35
31	O7	201	PEB	CHB-C4B	15.41	1.48	1.35
31	l4	202	PEB	CHB-C4B	15.40	1.48	1.35
31	S2	201	PEB	CHB-C4B	15.40	1.48	1.35
31	I4	201	PEB	CHB-C4B	15.40	1.48	1.35
31	QH	203	PEB	CHB-C4B	15.40	1.48	1.35
31	G7	201	PEB	CHB-C4B	15.39	1.48	1.35
31	O2	202	PEB	CHB-C4B	15.39	1.48	1.35
31	aH	201	PEB	CHB-C4B	15.38	1.48	1.35
31	mB	202	PEB	CHB-C4B	15.38	1.48	1.35
31	aH	204	PEB	CHB-C4B	15.38	1.48	1.35
33	DE	1001	CYC	CHA-C1A	15.38	1.48	1.35
31	FJ	201	PEB	CHB-C4B	15.37	1.48	1.35
31	G4	203	PEB	CHB-C4B	15.37	1.48	1.35
31	S9	203	PEB	CHB-C4B	15.37	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Z2	203	PEB	CHB-C4B	15.37	1.48	1.35
33	HB	1001	CYC	CHA-C1A	15.37	1.48	1.35
31	Q7	201	PEB	CHB-C4B	15.37	1.48	1.35
31	i6	202	PEB	CHB-C4B	15.36	1.48	1.35
31	cH	201	PEB	CHB-C4B	15.36	1.48	1.35
31	iB	202	PEB	CHB-C4B	15.36	1.48	1.35
31	W7	202	PEB	CHB-C4B	15.36	1.48	1.35
31	W1	201	PEB	CHB-C4B	15.36	1.47	1.35
31	M8	201	PEB	CHB-C4B	15.36	1.47	1.35
31	UD	201	PEB	CHB-C4B	15.35	1.47	1.35
31	WH	201	PEB	CHB-C4B	15.35	1.47	1.35
31	B9	203	PEB	CHB-C4B	15.35	1.47	1.35
31	aD	201	PEB	CHB-C4B	15.35	1.47	1.35
31	aE	201	PEB	CHB-C4B	15.35	1.47	1.35
31	C4	201	PEB	CHB-C4B	15.35	1.47	1.35
33	LD	1001	CYC	CHA-C1A	15.35	1.47	1.35
31	FG	202	PEB	CHB-C4B	15.35	1.47	1.35
31	OF	203	PEB	CHB-C4B	15.35	1.47	1.35
31	WF	201	PEB	CHB-C4B	15.34	1.47	1.35
31	DA	202	PEB	CHB-C4B	15.34	1.47	1.35
31	ZH	201	PEB	CHB-C4B	15.34	1.47	1.35
31	OK	202	PEB	CHB-C4B	15.33	1.47	1.35
32	yF	303	PUB	CHB-C1C	15.33	1.47	1.35
31	G7	202	PEB	CHB-C4B	15.33	1.47	1.35
31	Y7	503	PEB	CHB-C4B	15.33	1.47	1.35
31	aA	201	PEB	CHB-C4B	15.33	1.47	1.35
31	cA	402	PEB	CHB-C4B	15.33	1.47	1.35
31	GA	201	PEB	CHB-C4B	15.33	1.47	1.35
31	IA	203	PEB	CHB-C4B	15.32	1.47	1.35
33	KE	202	CYC	CHA-C1A	15.32	1.47	1.35
31	KF	202	PEB	CHB-C4B	15.32	1.47	1.35
31	Z2	202	PEB	CHB-C4B	15.32	1.47	1.35
31	AH	302	PEB	CHB-C4B	15.32	1.47	1.35
31	DH	201	PEB	CHB-C4B	15.32	1.47	1.35
31	YK	303	PEB	CHB-C4B	15.32	1.47	1.35
31	e4	202	PEB	CHB-C4B	15.32	1.47	1.35
31	CK	201	PEB	CHB-C4B	15.31	1.47	1.35
31	B5	201	PEB	CHB-C4B	15.31	1.47	1.35
31	ZH	202	PEB	CHB-C4B	15.31	1.47	1.35
31	f2	202	PEB	CHB-C4B	15.31	1.47	1.35
31	Q2	203	PEB	CHB-C4B	15.31	1.47	1.35
32	KK	203	PUB	CHB-C1C	15.31	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aH	202	PEB	CHB-C4B	15.30	1.47	1.35
31	E4	202	PEB	CHB-C4B	15.30	1.47	1.35
33	DD	1001	CYC	CHA-C1A	15.30	1.47	1.35
31	SG	201	PEB	CHB-C4B	15.29	1.47	1.35
31	FB	1002	PEB	CHB-C4B	15.29	1.47	1.35
31	ZC	202	PEB	CHB-C4B	15.29	1.47	1.35
31	CH	201	PEB	CHB-C4B	15.29	1.47	1.35
31	A7	203	PEB	CHB-C4B	15.28	1.47	1.35
31	N2	1002	PEB	CHB-C4B	15.28	1.47	1.35
31	a8	203	PEB	CHB-C4B	15.28	1.47	1.35
31	mH	202	PEB	CHB-C4B	15.28	1.47	1.35
31	I4	202	PEB	CHB-C4B	15.28	1.47	1.35
31	k4	201	PEB	CHB-C4B	15.28	1.47	1.35
31	fH	201	PEB	CHB-C4B	15.27	1.47	1.35
31	XH	201	PEB	CHB-C4B	15.27	1.47	1.35
31	OC	202	PEB	CHB-C4B	15.26	1.47	1.35
31	S1	202	PEB	CHB-C4B	15.26	1.47	1.35
31	HB	1002	PEB	CHB-C4B	15.26	1.47	1.35
31	NH	202	PEB	CHB-C4B	15.26	1.47	1.35
31	D5	201	PEB	CHB-C4B	15.26	1.47	1.35
31	A7	201	PEB	CHB-C4B	15.25	1.47	1.35
31	a8	202	PEB	CHB-C4B	15.24	1.47	1.35
31	fC	202	PEB	CHB-C4B	15.24	1.47	1.35
31	SA	203	PEB	CHB-C4B	15.24	1.47	1.35
31	iH	201	PEB	CHB-C4B	15.24	1.47	1.35
31	E9	201	PEB	CHB-C4B	15.23	1.47	1.35
31	d2	201	PEB	CHB-C4B	15.22	1.47	1.35
31	CA	202	PEB	CHB-C4B	15.22	1.47	1.35
31	P1	202	PEB	CHB-C4B	15.22	1.47	1.35
31	Q9	201	PEB	CHB-C4B	15.22	1.47	1.35
31	S2	202	PEB	CHB-C4B	15.22	1.47	1.35
31	W8	201	PEB	CHB-C4B	15.22	1.47	1.35
31	SC	202	PEB	CHB-C4B	15.22	1.47	1.35
32	K1	203	PUB	CHB-C1C	15.22	1.47	1.35
31	P9	201	PEB	CHB-C4B	15.21	1.47	1.35
31	Q7	202	PEB	CHB-C4B	15.21	1.47	1.35
33	ED	1001	CYC	CHA-C1A	15.21	1.47	1.35
31	NC	1002	PEB	CHB-C4B	15.21	1.47	1.35
33	EE	1001	CYC	CHA-C1A	15.19	1.47	1.35
33	DB	1001	CYC	CHA-C1A	15.19	1.47	1.35
33	D6	1001	CYC	CHA-C1A	15.19	1.47	1.35
31	HA	202	PEB	CHB-C4B	15.19	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SK	202	PEB	CHB-C4B	15.19	1.47	1.35
31	SD	201	PEB	CHB-C4B	15.19	1.47	1.35
31	TK	203	PEB	CHB-C4B	15.19	1.47	1.35
31	BJ	201	PEB	CHB-C4B	15.18	1.47	1.35
31	jH	201	PEB	CHB-C4B	15.18	1.47	1.35
31	OD	203	PEB	CHB-C4B	15.18	1.47	1.35
31	IH	201	PEB	CHB-C4B	15.18	1.47	1.35
31	JE	201	PEB	CHB-C4B	15.18	1.47	1.35
31	TG	203	PEB	CHB-C4B	15.17	1.47	1.35
31	JK	201	PEB	CHB-C4B	15.17	1.47	1.35
31	M4	201	PEB	CHB-C4B	15.17	1.47	1.35
31	GD	202	PEB	CHB-C4B	15.17	1.47	1.35
31	T9	201	PEB	CHB-C4B	15.17	1.47	1.35
31	QA	201	PEB	CHB-C4B	15.16	1.47	1.35
31	C9	201	PEB	CHB-C4B	15.16	1.47	1.35
31	IG	202	PEB	CHB-C4B	15.16	1.47	1.35
31	VG	202	PEB	CHB-C4B	15.16	1.47	1.35
33	EB	1001	CYC	CHA-C1A	15.16	1.47	1.35
31	VA	201	PEB	CHB-C4B	15.16	1.47	1.35
31	T1	203	PEB	CHB-C4B	15.16	1.47	1.35
31	LA	201	PEB	CHB-C4B	15.15	1.47	1.35
31	SI	201	PEB	CHB-C4B	15.15	1.47	1.35
31	J9	203	PEB	CHB-C4B	15.15	1.47	1.35
32	A4	303	PUB	CHB-C1C	15.15	1.47	1.35
31	KG	203	PEB	CHB-C4B	15.15	1.47	1.35
31	Y1	303	PEB	CHB-C4B	15.15	1.47	1.35
31	QK	201	PEB	CHB-C4B	15.15	1.47	1.35
31	W8	202	PEB	CHB-C4B	15.15	1.47	1.35
31	dA	202	PEB	CHB-C4B	15.15	1.47	1.35
31	N9	201	PEB	CHB-C4B	15.14	1.47	1.35
31	Y9	202	PEB	CHB-C4B	15.14	1.47	1.35
31	GG	203	PEB	CHB-C4B	15.14	1.47	1.35
31	DJ	201	PEB	CHB-C4B	15.14	1.47	1.35
31	AA	501	PEB	CHB-C4B	15.14	1.47	1.35
32	x8	305	PUB	CHB-C1C	15.14	1.47	1.35
33	ME	1001	CYC	CHA-C1A	15.14	1.47	1.35
31	AG	202	PEB	CHB-C4B	15.13	1.47	1.35
33	I2	201	CYC	CHA-C1A	15.13	1.47	1.35
31	XG	202	PEB	CHB-C4B	15.13	1.47	1.35
31	F6	1002	PEB	CHB-C4B	15.13	1.47	1.35
31	C1	201	PEB	CHB-C4B	15.12	1.47	1.35
31	L1	202	PEB	CHB-C4B	15.12	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I9	201	PEB	CHB-C4B	15.12	1.47	1.35
31	I7	203	PEB	CHB-C4B	15.12	1.47	1.35
31	eH	201	PEB	CHB-C4B	15.12	1.47	1.35
31	TA	201	PEB	CHB-C4B	15.12	1.47	1.35
31	V9	201	PEB	CHB-C4B	15.11	1.47	1.35
31	R9	201	PEB	CHB-C4B	15.11	1.47	1.35
31	NG	202	PEB	CHB-C4B	15.11	1.47	1.35
31	UG	202	PEB	CHB-C4B	15.11	1.47	1.35
31	R4	201	PEB	CHB-C4B	15.11	1.47	1.35
31	U2	202	PEB	CHB-C4B	15.11	1.47	1.35
31	U8	202	PEB	CHB-C4B	15.11	1.47	1.35
31	j4	201	PEB	CHB-C4B	15.11	1.47	1.35
31	G9	201	PEB	CHB-C4B	15.11	1.47	1.35
31	UC	203	PEB	CHB-C4B	15.10	1.47	1.35
31	K9	201	PEB	CHB-C4B	15.10	1.47	1.35
31	dC	201	PEB	CHB-C4B	15.10	1.47	1.35
31	EG	202	PEB	CHB-C4B	15.10	1.47	1.35
31	HH	202	PEB	CHB-C4B	15.10	1.47	1.35
31	RH	201	PEB	CHB-C4B	15.10	1.47	1.35
31	PG	202	PEB	CHB-C4B	15.10	1.47	1.35
31	FH	201	PEB	CHB-C4B	15.10	1.47	1.35
31	eH	202	PEB	CHB-C4B	15.10	1.47	1.35
31	wF	301	PEB	CHB-C4B	15.10	1.47	1.35
31	T4	201	PEB	CHB-C4B	15.10	1.47	1.35
31	PA	201	PEB	CHB-C4B	15.09	1.47	1.35
33	HE	1001	CYC	CHA-C1A	15.09	1.47	1.35
31	JA	201	PEB	CHB-C4B	15.08	1.47	1.35
31	VJ	201	PEB	CHB-C4B	15.08	1.47	1.35
31	ZC	201	PEB	CHB-C4B	15.08	1.47	1.35
31	X9	201	PEB	CHB-C4B	15.08	1.47	1.35
31	CG	202	PEB	CHB-C4B	15.08	1.47	1.35
31	LK	202	PEB	CHB-C4B	15.08	1.47	1.35
31	S8	203	PEB	CHB-C4B	15.08	1.47	1.35
31	SE	201	PEB	CHB-C4B	15.07	1.47	1.35
31	U6	201	PEB	CHB-C4B	15.07	1.47	1.35
31	RG	202	PEB	CHB-C4B	15.07	1.47	1.35
31	K7	202	PEB	CHB-C4B	15.07	1.47	1.35
31	W2	201	PEB	CHB-C4B	15.07	1.47	1.35
31	Z2	201	PEB	CHB-C4B	15.07	1.47	1.35
32	BH	302	PUB	CHB-C1C	15.06	1.47	1.35
31	SF	201	PEB	CHB-C4B	15.06	1.47	1.35
31	I7	202	PEB	CHB-C4B	15.06	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	oF	201	PEB	CHB-C4B	15.06	1.47	1.35
31	N4	201	PEB	CHB-C4B	15.05	1.47	1.35
31	A9	201	PEB	CHB-C4B	15.05	1.47	1.35
31	J1	201	PEB	CHB-C4B	15.04	1.47	1.35
31	UC	202	PEB	CHB-C4B	15.04	1.47	1.35
31	iF	202	PEB	CHB-C4B	15.04	1.47	1.35
31	WC	201	PEB	CHB-C4B	15.03	1.47	1.35
31	HJ	201	PEB	CHB-C4B	15.03	1.47	1.35
33	HD	1001	CYC	CHA-C1A	15.03	1.47	1.35
31	IH	201	PEB	CHB-C4B	15.03	1.47	1.35
31	PK	202	PEB	CHB-C4B	15.02	1.47	1.35
31	UB	201	PEB	CHB-C4B	15.01	1.47	1.35
33	LC	1003	CYC	CHA-C1A	15.01	1.47	1.35
33	MD	1001	CYC	CHA-C1A	15.01	1.47	1.35
31	D9	203	PEB	CHB-C4B	15.01	1.47	1.35
31	M9	301	PEB	CHB-C4B	14.98	1.47	1.35
31	AF	201	PEB	CHB-C4B	14.98	1.47	1.35
31	U2	203	PEB	CHB-C4B	14.98	1.47	1.35
31	DI	201	PEB	CHB-C4B	14.98	1.47	1.35
31	Y6	202	PEB	CHB-C4B	14.98	1.47	1.35
31	QK	202	PEB	CHB-C4B	14.96	1.47	1.35
31	w8	301	PEB	CHB-C4B	14.96	1.47	1.35
31	A8	201	PEB	CHB-C4B	14.96	1.47	1.35
31	RH	202	PEB	CHB-C4B	14.96	1.47	1.35
31	Y9	201	PEB	CHB-C4B	14.96	1.47	1.35
31	HA	201	PEB	CHB-C4B	14.95	1.47	1.35
33	GD	201	CYC	CHA-C1A	14.95	1.47	1.35
33	BD	1002	CYC	CHA-C1A	14.94	1.47	1.35
31	SF	203	PEB	CHB-C4B	14.94	1.47	1.35
31	AH	301	PEB	CHB-C4B	14.94	1.47	1.35
33	BE	1002	CYC	CHA-C1A	14.94	1.47	1.35
31	H5	201	PEB	CHB-C4B	14.94	1.47	1.35
31	Y8	201	PEB	CHB-C4B	14.94	1.47	1.35
31	FI	203	PEB	CHB-C4B	14.93	1.47	1.35
31	S8	202	PEB	CHB-C4B	14.93	1.47	1.35
31	QA	204	PEB	CHB-C4B	14.92	1.47	1.35
31	U4	202	PEB	CHB-C4B	14.92	1.47	1.35
31	F4	201	PEB	CHB-C4B	14.92	1.47	1.35
31	Q1	202	PEB	CHB-C4B	14.91	1.47	1.35
31	MA	202	PEB	CHB-C4B	14.91	1.47	1.35
31	C4	203	PEB	CHB-C4B	14.91	1.47	1.35
31	i8	202	PEB	CHB-C4B	14.91	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Q1	201	PEB	CHB-C4B	14.91	1.47	1.35
33	JB	1001	CYC	CHA-C1A	14.91	1.47	1.35
31	D5	203	PEB	CHB-C4B	14.91	1.47	1.35
31	WA	401	PEB	CHB-C4B	14.90	1.47	1.35
31	JC	1002	PEB	CHB-C4B	14.90	1.47	1.35
31	S8	201	PEB	CHB-C4B	14.90	1.47	1.35
31	W9	203	PEB	CHB-C4B	14.90	1.47	1.35
32	xF	305	PUB	CHB-C1C	14.90	1.47	1.35
31	DJ	203	PEB	CHB-C4B	14.90	1.47	1.35
31	V5	201	PEB	CHB-C4B	14.90	1.47	1.35
31	UF	202	PEB	CHB-C4B	14.89	1.47	1.35
31	GH	203	PEB	CHB-C4B	14.89	1.47	1.35
31	W9	201	PEB	CHB-C4B	14.89	1.47	1.35
31	OE	203	PEB	CHB-C4B	14.88	1.47	1.35
31	SF	202	PEB	CHB-C4B	14.88	1.47	1.35
31	YF	201	PEB	CHB-C4B	14.88	1.47	1.35
31	J2	1002	PEB	CHB-C4B	14.88	1.47	1.35
33	ID	1001	CYC	CHA-C1A	14.88	1.47	1.35
31	M7	203	PEB	CHB-C4B	14.87	1.47	1.35
31	Z9	301	PEB	CHB-C4B	14.87	1.47	1.35
31	sF	201	PEB	CHB-C4B	14.86	1.47	1.35
31	YB	202	PEB	CHB-C4B	14.85	1.47	1.35
31	TA	202	PEB	CHB-C4B	14.85	1.47	1.35
31	JJ	203	PEB	CHB-C4B	14.85	1.47	1.35
31	U7	203	PEB	CHB-C4B	14.84	1.47	1.35
31	R6	202	PEB	CHB-C4B	14.84	1.47	1.35
31	UK	201	PEB	CHB-C4B	14.82	1.47	1.35
31	o8	201	PEB	CHB-C4B	14.82	1.47	1.35
31	SA	201	PEB	CHB-C4B	14.82	1.47	1.35
31	bA	201	PEB	CHB-C4B	14.81	1.47	1.35
31	U1	201	PEB	CHB-C4B	14.81	1.47	1.35
31	KH	201	PEB	CHB-C4B	14.80	1.47	1.35
31	OH	203	PEB	CHB-C4B	14.80	1.47	1.35
31	SH	201	PEB	CHB-C4B	14.80	1.47	1.35
33	GE	201	CYC	CHA-C1A	14.80	1.47	1.35
31	K4	203	PEB	CHB-C4B	14.79	1.47	1.35
31	WF	202	PEB	CHB-C4B	14.79	1.47	1.35
31	K7	201	PEB	CHB-C4B	14.79	1.47	1.35
31	DF	203	PEB	CHB-C4B	14.78	1.47	1.35
33	IE	1001	CYC	CHA-C1A	14.78	1.47	1.35
31	OH	201	PEB	CHB-C4B	14.77	1.47	1.35
31	s8	201	PEB	CHB-C4B	14.77	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	AH	303	PUB	CHB-C1C	14.77	1.47	1.35
31	W4	203	PEB	CHB-C4B	14.76	1.47	1.35
31	W7	201	PEB	CHB-C4B	14.76	1.47	1.35
31	KG	201	PEB	CHB-C4B	14.76	1.47	1.35
31	RB	202	PEB	CHB-C4B	14.73	1.47	1.35
31	HI	202	PEB	CHB-C4B	14.73	1.47	1.35
31	F9	201	PEB	CHB-C4B	14.73	1.47	1.35
31	L9	203	PEB	CHB-C4B	14.73	1.47	1.35
31	V5	203	PEB	CHB-C4B	14.73	1.47	1.35
31	J5	203	PEB	CHB-C4B	14.73	1.47	1.35
31	M4	202	PEB	CHB-C4B	14.72	1.47	1.35
31	HA	203	PEB	CHB-C4B	14.71	1.47	1.35
31	WH	203	PEB	CHB-C4B	14.71	1.47	1.35
31	WD	203	PEB	CHB-C4B	14.70	1.47	1.35
31	JA	202	PEB	CHB-C4B	14.68	1.47	1.35
31	Y4	201	PEB	CHB-C4B	14.68	1.47	1.35
31	VJ	203	PEB	CHB-C4B	14.68	1.47	1.35
31	H8	201	PEB	CHB-C4B	14.66	1.47	1.35
31	O9	203	PEB	CHB-C4B	14.66	1.47	1.35
31	TH	201	PEB	CHB-C4B	14.66	1.47	1.35
31	UH	201	PEB	CHB-C4B	14.65	1.47	1.35
31	EH	202	PEB	CHB-C4B	14.64	1.47	1.35
31	c8	201	PEB	CHB-C4B	14.63	1.47	1.35
33	J6	1001	CYC	CHA-C1A	14.63	1.47	1.35
31	D8	203	PEB	CHB-C4B	14.62	1.47	1.35
31	LC	1002	PEB	CHB-C4B	14.62	1.47	1.35
31	L2	1002	PEB	CHB-C4B	14.62	1.47	1.35
31	WE	203	PEB	CHB-C4B	14.60	1.47	1.35
31	XH	202	PEB	CHB-C4B	14.60	1.47	1.35
31	GF	201	PEB	CHB-C4B	14.60	1.47	1.35
33	LB	1001	CYC	CHA-C1A	14.59	1.47	1.35
33	L6	1001	CYC	CHA-C1A	14.58	1.47	1.35
31	GH	201	PEB	CHB-C4B	14.57	1.47	1.35
31	G8	201	PEB	CHB-C4B	14.57	1.47	1.35
31	BG	202	PEB	CHB-C4B	14.57	1.47	1.35
31	CH	203	PEB	CHB-C4B	14.56	1.47	1.35
31	HF	201	PEB	CHB-C4B	14.56	1.47	1.35
31	KF	201	PEB	CHB-C4B	14.53	1.47	1.35
31	D9	201	PEB	CHB-C4B	14.53	1.47	1.35
31	QF	201	PEB	CHB-C4B	14.53	1.47	1.35
31	EH	201	PEB	CHB-C4B	14.53	1.47	1.35
31	Q8	201	PEB	CHB-C4B	14.51	1.47	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	gA	203	PEB	CHB-C4B	14.50	1.47	1.35
31	K8	201	PEB	CHB-C4B	14.49	1.47	1.35
31	KK	201	PEB	CHB-C4B	14.49	1.47	1.35
31	DA	203	PEB	CHB-C4B	14.47	1.47	1.35
31	YH	202	PEB	CHB-C4B	14.47	1.47	1.35
31	HH	201	PEB	CHB-C4B	14.46	1.47	1.35
31	K1	201	PEB	CHB-C4B	14.45	1.47	1.35
31	R1	202	PEB	CHB-C4B	14.40	1.47	1.35
31	cF	201	PEB	CHB-C4B	14.38	1.47	1.35
31	IH	202	PEB	CHB-C4B	14.37	1.47	1.35
31	NG	203	PEB	CHB-C4B	14.36	1.47	1.35
32	x8	301	PUB	CHB-C1C	14.35	1.47	1.35
31	M9	303	PEB	CHB-C4B	14.35	1.47	1.35
32	xF	301	PUB	CHB-C1C	14.35	1.47	1.35
31	Z9	303	PEB	CHB-C4B	14.34	1.47	1.35
31	E8	201	PEB	CHB-C4B	14.33	1.47	1.35
31	BI	202	PEB	CHB-C4B	14.33	1.47	1.35
31	G1	201	PEB	CHB-C4B	14.32	1.47	1.35
31	RK	202	PEB	CHB-C4B	14.31	1.47	1.35
31	D5	202	PEB	CHB-C4B	14.31	1.47	1.35
31	QE	201	PEB	CHB-C4B	14.30	1.47	1.35
31	Q9	203	PEB	CHB-C4B	14.30	1.47	1.35
31	H4	201	PEB	CHB-C4B	14.30	1.47	1.35
31	GK	201	PEB	CHB-C4B	14.28	1.47	1.35
31	N1	202	PEB	CHB-C4B	14.28	1.47	1.35
31	DJ	202	PEB	CHB-C4B	14.26	1.47	1.35
31	SK	201	PEB	CHB-C4B	14.26	1.47	1.35
31	jC	201	PEB	CHB-C4B	14.26	1.47	1.35
31	j2	201	PEB	CHB-C4B	14.25	1.47	1.35
31	QD	201	PEB	CHB-C4B	14.24	1.47	1.35
31	ZE	202	PEB	CHB-C4B	14.23	1.47	1.35
31	M9	302	PEB	CHB-C4B	14.23	1.47	1.35
31	MH	201	PEB	CHB-C4B	14.18	1.47	1.35
31	S1	201	PEB	CHB-C4B	14.17	1.47	1.35
31	OF	202	PEB	CHB-C4B	14.16	1.46	1.35
31	O8	202	PEB	CHB-C4B	14.14	1.46	1.35
31	V6	202	PEB	CHB-C4B	14.14	1.46	1.35
31	ZD	202	PEB	CHB-C4B	14.13	1.46	1.35
31	IH	202	PEB	CHB-C4B	14.13	1.46	1.35
32	ZI	302	PUB	CHB-C1C	14.13	1.46	1.35
31	EF	201	PEB	CHB-C4B	14.13	1.46	1.35
31	zF	501	PEB	CHB-C4B	14.12	1.46	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	NH	201	PEB	CHB-C4B	14.12	1.46	1.35
31	Z9	302	PEB	CHB-C4B	14.10	1.46	1.35
31	e8	202	PEB	CHB-C4B	14.08	1.46	1.35
31	VB	202	PEB	CHB-C4B	14.07	1.46	1.35
31	MI	305	PEB	CHB-C4B	14.06	1.46	1.35
32	MI	303	PUB	CHB-C1C	14.06	1.46	1.35
31	C8	202	PEB	CHB-C4B	14.06	1.46	1.35
31	NK	202	PEB	CHB-C4B	14.05	1.46	1.35
31	z8	501	PEB	CHB-C4B	14.01	1.46	1.35
31	ZI	304	PEB	CHB-C4B	13.97	1.46	1.35
31	UH	202	PEB	CHB-C4B	13.96	1.46	1.35
31	XK	202	PEB	CHB-C4B	13.93	1.46	1.35
31	KH	203	PEB	CHB-C4B	13.92	1.46	1.35
33	E2	1001	CYC	CHA-C1A	13.91	1.46	1.35
31	B5	203	PEB	CHB-C4B	13.89	1.46	1.35
31	BJ	203	PEB	CHB-C4B	13.88	1.46	1.35
31	MH	202	PEB	CHB-C4B	13.88	1.46	1.35
31	X1	202	PEB	CHB-C4B	13.88	1.46	1.35
31	RG	203	PEB	CHB-C4B	13.87	1.46	1.35
31	YD	201	PEB	CHB-C4B	13.83	1.46	1.35
31	YE	201	PEB	CHB-C4B	13.83	1.46	1.35
33	EC	1001	CYC	CHA-C1A	13.81	1.46	1.35
31	CF	202	PEB	CHB-C4B	13.79	1.46	1.35
31	eF	202	PEB	CHB-C4B	13.75	1.46	1.35
31	IF	203	PEB	CHB-C4B	13.73	1.46	1.35
31	C5	202	PEB	CHB-C4B	13.68	1.46	1.35
31	AG	203	PEB	CHB-C4B	13.56	1.46	1.35
31	gF	201	PEB	CHB-C4B	13.54	1.46	1.35
31	CJ	202	PEB	CHB-C4B	13.52	1.46	1.35
32	A2	304	PUB	C3A-C2A	13.51	1.49	1.34
31	I8	203	PEB	CHB-C4B	13.47	1.46	1.35
31	g8	201	PEB	CHB-C4B	13.45	1.46	1.35
31	WG	202	PEB	CHB-C4B	13.44	1.46	1.35
31	MI	302	PEB	CHB-C4B	13.40	1.46	1.35
31	ZI	301	PEB	CHB-C4B	13.40	1.46	1.35
32	AC	304	PUB	C3A-C2A	13.34	1.49	1.34
31	OI	202	PEB	CHB-C4B	13.26	1.46	1.35
31	O1	201	PEB	CHB-C4B	13.24	1.46	1.35
31	OK	201	PEB	CHB-C4B	13.19	1.46	1.35
31	IG	203	PEB	CHB-C4B	13.16	1.46	1.35
31	O7	203	PEB	CHB-C4B	13.01	1.46	1.35
31	HG	203	PEB	CHB-C4B	12.96	1.46	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	CI	203	PUB	CHB-C1C	12.83	1.45	1.35
32	ZI	305	PUB	CHB-C1C	12.82	1.45	1.35
32	MI	303	PUB	C3A-C2A	12.80	1.49	1.34
32	ZI	302	PUB	C3A-C2A	12.78	1.48	1.34
31	TG	201	PEB	CHB-C4B	12.68	1.45	1.35
31	OG	202	PEB	CHB-C4B	12.64	1.45	1.35
32	CI	203	PUB	C3A-C2A	12.49	1.48	1.34
32	ZI	305	PUB	C3A-C2A	12.48	1.48	1.34
31	GG	201	PEB	CHB-C4B	12.46	1.45	1.35
31	VG	203	PEB	CHB-C4B	12.28	1.45	1.35
32	x8	305	PUB	C3A-C2A	12.01	1.48	1.34
32	M9	304	PUB	C3A-C2A	11.98	1.48	1.34
31	T1	202	PEB	CHB-C4B	11.96	1.45	1.35
32	xF	305	PUB	C3A-C2A	11.96	1.48	1.34
32	Z9	304	PUB	C3A-C2A	11.87	1.47	1.34
31	TK	202	PEB	CHB-C4B	11.85	1.45	1.35
32	AH	304	PUB	C3A-C2A	11.84	1.47	1.34
32	Q4	202	PUB	C3A-C2A	11.72	1.47	1.34
32	AJ	303	PUB	C3A-C2A	11.67	1.47	1.34
32	N5	201	PUB	C3A-C2A	11.67	1.47	1.34
32	x8	306	PUB	C3A-C2A	11.66	1.47	1.34
32	NJ	201	PUB	C3A-C2A	11.65	1.47	1.34
32	AC	303	PUB	C3A-C2A	11.63	1.47	1.34
32	A6	302	PUB	C3A-C2A	11.58	1.47	1.34
32	A5	303	PUB	C3A-C2A	11.57	1.47	1.34
32	xF	306	PUB	C3A-C2A	11.56	1.47	1.34
32	x8	301	PUB	C3A-C2A	11.55	1.47	1.34
32	AE	302	PUB	C3A-C2A	11.55	1.47	1.34
32	xF	301	PUB	C3A-C2A	11.53	1.47	1.34
32	AB	302	PUB	C3A-C2A	11.53	1.47	1.34
32	A2	303	PUB	C3A-C2A	11.48	1.47	1.34
32	AE	303	PUB	C3A-C2A	11.48	1.47	1.34
32	AD	302	PUB	C3A-C2A	11.45	1.47	1.34
32	KK	203	PUB	C3A-C2A	11.45	1.47	1.34
31	fC	202	PEB	C2D-C3D	11.43	1.49	1.34
32	AD	303	PUB	C3A-C2A	11.40	1.47	1.34
32	K1	203	PUB	C3A-C2A	11.37	1.47	1.34
31	f2	202	PEB	C2D-C3D	11.36	1.49	1.34
32	AB	303	PUB	C3A-C2A	11.30	1.47	1.34
32	A4	304	PUB	C3A-C2A	11.29	1.47	1.34
32	Y1	304	PUB	C3A-C2A	11.22	1.47	1.34
32	yF	303	PUB	C3A-C2A	11.18	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	A4	303	PUB	C3A-C2A	11.14	1.47	1.34
32	A6	303	PUB	C3A-C2A	11.13	1.47	1.34
32	y8	303	PUB	C3A-C2A	11.10	1.47	1.34
32	B4	302	PUB	C3A-C2A	11.10	1.47	1.34
32	YK	304	PUB	C3A-C2A	11.08	1.46	1.34
32	yF	302	PUB	C3A-C2A	11.07	1.46	1.34
32	QH	202	PUB	C3A-C2A	10.97	1.46	1.34
32	y8	302	PUB	C3A-C2A	10.95	1.46	1.34
32	BH	302	PUB	C3A-C2A	10.83	1.46	1.34
32	AH	303	PUB	C3A-C2A	10.78	1.46	1.34
31	H9	201	PEB	C2D-C3D	10.72	1.48	1.34
31	U8	201	PEB	CHB-C4B	10.70	1.44	1.35
31	U9	201	PEB	C2D-C3D	10.69	1.48	1.34
31	UF	201	PEB	CHB-C4B	10.66	1.44	1.35
32	M9	305	PUB	C3A-C2A	10.55	1.46	1.34
32	Z9	305	PUB	C3A-C2A	10.52	1.46	1.34
31	U2	203	PEB	C2D-C3D	10.52	1.48	1.34
31	UC	203	PEB	C2D-C3D	10.46	1.48	1.34
32	wF	304	PUB	C3A-C2A	10.46	1.46	1.34
32	w8	304	PUB	C3A-C2A	10.42	1.46	1.34
31	j2	202	PEB	C2D-C3D	10.37	1.47	1.34
31	jC	202	PEB	C2D-C3D	10.32	1.47	1.34
31	HC	1002	PEB	C2D-C3D	10.32	1.47	1.34
31	RA	201	PEB	C2D-C3D	10.24	1.47	1.34
31	WJ	202	PEB	C2D-C3D	10.24	1.47	1.34
31	jH	202	PEB	C2D-C3D	10.23	1.47	1.34
31	bC	202	PEB	C2D-C3D	10.22	1.47	1.34
31	b2	202	PEB	C2D-C3D	10.21	1.47	1.34
31	H2	1002	PEB	C2D-C3D	10.20	1.47	1.34
31	cA	401	PEB	C2D-C3D	10.20	1.47	1.34
31	ZC	203	PEB	C2D-C3D	10.19	1.47	1.34
31	m2	201	PEB	C2D-C3D	10.15	1.47	1.34
31	Z2	203	PEB	C2D-C3D	10.14	1.47	1.34
31	g2	201	PEB	C2D-C3D	10.12	1.47	1.34
31	mC	201	PEB	C2D-C3D	10.12	1.47	1.34
31	CJ	202	PEB	C2D-C3D	10.11	1.47	1.34
31	uF	203	PEB	C2D-C3D	10.11	1.47	1.34
31	x8	304	PEB	C2D-C3D	10.11	1.47	1.34
31	UJ	202	PEB	C2D-C3D	10.11	1.47	1.34
31	OC	202	PEB	C2D-C3D	10.11	1.47	1.34
31	W5	202	PEB	C2D-C3D	10.10	1.47	1.34
31	t8	201	PEB	C2D-C3D	10.09	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	i2	201	PEB	C2D-C3D	10.09	1.47	1.34
31	U5	202	PEB	C2D-C3D	10.09	1.47	1.34
31	C5	202	PEB	C2D-C3D	10.06	1.47	1.34
31	A5	304	PEB	C2D-C3D	10.06	1.47	1.34
31	iC	201	PEB	C2D-C3D	10.06	1.47	1.34
31	gC	201	PEB	C2D-C3D	10.05	1.47	1.34
31	j2	203	PEB	C2D-C3D	10.04	1.47	1.34
31	vF	201	PEB	C2D-C3D	10.04	1.47	1.34
31	O2	202	PEB	C2D-C3D	10.04	1.47	1.34
31	EK	201	PEB	C2D-C3D	10.03	1.47	1.34
31	lC	202	PEB	C2D-C3D	10.03	1.47	1.34
31	u8	201	PEB	C2D-C3D	10.03	1.47	1.34
31	x8	302	PEB	C2D-C3D	10.03	1.47	1.34
31	xF	302	PEB	C2D-C3D	10.03	1.47	1.34
31	xF	304	PEB	C2D-C3D	10.01	1.47	1.34
31	B9	202	PEB	C2D-C3D	10.01	1.47	1.34
31	aF	203	PEB	C2D-C3D	10.01	1.47	1.34
31	a8	203	PEB	C2D-C3D	10.01	1.47	1.34
31	P5	203	PEB	C2D-C3D	10.00	1.47	1.34
31	tF	201	PEB	C2D-C3D	10.00	1.47	1.34
31	bB	201	PEB	C2D-C3D	9.99	1.47	1.34
31	M9	301	PEB	C2D-C3D	9.99	1.47	1.34
31	PJ	203	PEB	C2D-C3D	9.99	1.47	1.34
31	u8	202	PEB	C2D-C3D	9.99	1.47	1.34
31	SC	202	PEB	C2D-C3D	9.99	1.47	1.34
31	W5	201	PEB	C2D-C3D	9.99	1.47	1.34
31	WI	202	PEB	C2D-C3D	9.98	1.47	1.34
31	v8	201	PEB	C2D-C3D	9.98	1.47	1.34
31	aC	202	PEB	C2D-C3D	9.98	1.47	1.34
31	Y5	202	PEB	C2D-C3D	9.98	1.47	1.34
31	gH	202	PEB	C2D-C3D	9.98	1.47	1.34
31	c2	201	PEB	C2D-C3D	9.97	1.47	1.34
31	G5	202	PEB	C2D-C3D	9.97	1.47	1.34
31	oF	201	PEB	C2D-C3D	9.97	1.47	1.34
31	E1	201	PEB	C2D-C3D	9.97	1.47	1.34
31	m8	202	PEB	C2D-C3D	9.97	1.47	1.34
31	LI	202	PEB	C2D-C3D	9.97	1.47	1.34
31	WJ	201	PEB	C2D-C3D	9.97	1.47	1.34
31	S2	202	PEB	C2D-C3D	9.97	1.47	1.34
31	m2	202	PEB	C2D-C3D	9.96	1.47	1.34
31	q8	203	PEB	C2D-C3D	9.96	1.47	1.34
31	O5	201	PEB	C2D-C3D	9.96	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Z9	301	PEB	C2D-C3D	9.96	1.47	1.34
31	PA	201	PEB	C2D-C3D	9.96	1.47	1.34
31	mC	202	PEB	C2D-C3D	9.95	1.47	1.34
31	YI	202	PEB	C2D-C3D	9.95	1.47	1.34
31	O5	202	PEB	C2D-C3D	9.95	1.47	1.34
31	AJ	304	PEB	C2D-C3D	9.94	1.47	1.34
31	n8	201	PEB	C2D-C3D	9.94	1.47	1.34
31	uF	202	PEB	C2D-C3D	9.94	1.47	1.34
31	l2	203	PEB	C2D-C3D	9.94	1.47	1.34
31	s8	202	PEB	C2D-C3D	9.94	1.47	1.34
31	GJ	202	PEB	C2D-C3D	9.93	1.47	1.34
31	e8	201	PEB	C2D-C3D	9.93	1.47	1.34
31	VJ	202	PEB	C2D-C3D	9.93	1.47	1.34
31	V5	202	PEB	C2D-C3D	9.93	1.47	1.34
31	M8	202	PEB	C2D-C3D	9.93	1.47	1.34
31	QI	202	PEB	C2D-C3D	9.93	1.47	1.34
31	fB	201	PEB	C2D-C3D	9.93	1.47	1.34
31	QE	203	PEB	C2D-C3D	9.93	1.47	1.34
31	b2	203	PEB	C2D-C3D	9.93	1.47	1.34
31	j4	201	PEB	C2D-C3D	9.92	1.47	1.34
31	BI	202	PEB	C2D-C3D	9.92	1.47	1.34
31	OJ	201	PEB	C2D-C3D	9.91	1.47	1.34
31	r8	201	PEB	C2D-C3D	9.91	1.47	1.34
31	WK	202	PEB	C2D-C3D	9.91	1.47	1.34
31	nF	201	PEB	C2D-C3D	9.91	1.47	1.34
31	VA	202	PEB	C2D-C3D	9.91	1.47	1.34
31	Y5	201	PEB	C2D-C3D	9.91	1.47	1.34
31	Z2	201	PEB	C2D-C3D	9.91	1.47	1.34
31	YK	303	PEB	C2D-C3D	9.91	1.47	1.34
31	H5	203	PEB	C2D-C3D	9.90	1.47	1.34
31	KA	303	PEB	C2D-C3D	9.90	1.47	1.34
31	q8	202	PEB	C2D-C3D	9.90	1.47	1.34
31	LK	201	PEB	C2D-C3D	9.90	1.47	1.34
31	CI	202	PEB	C2D-C3D	9.90	1.47	1.34
31	ZC	201	PEB	C2D-C3D	9.89	1.47	1.34
31	K1	201	PEB	C2D-C3D	9.89	1.47	1.34
31	N2	1002	PEB	C2D-C3D	9.89	1.47	1.34
31	dC	203	PEB	C2D-C3D	9.89	1.47	1.34
31	OJ	202	PEB	C2D-C3D	9.89	1.47	1.34
31	b6	201	PEB	C2D-C3D	9.89	1.47	1.34
31	GJ	201	PEB	C2D-C3D	9.89	1.47	1.34
31	L1	201	PEB	C2D-C3D	9.89	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	MF	202	PEB	C2D-C3D	9.89	1.47	1.34
31	NI	202	PEB	C2D-C3D	9.88	1.47	1.34
31	DK	203	PEB	C2D-C3D	9.88	1.47	1.34
31	I1	202	PEB	C2D-C3D	9.88	1.47	1.34
31	KK	201	PEB	C2D-C3D	9.87	1.47	1.34
31	YJ	202	PEB	C2D-C3D	9.87	1.47	1.34
31	IK	202	PEB	C2D-C3D	9.87	1.47	1.34
31	cC	201	PEB	C2D-C3D	9.87	1.47	1.34
31	T7	202	PEB	C2D-C3D	9.87	1.47	1.34
31	Y1	303	PEB	C2D-C3D	9.87	1.47	1.34
31	mF	202	PEB	C2D-C3D	9.87	1.47	1.34
31	QJ	201	PEB	C2D-C3D	9.86	1.47	1.34
31	eC	203	PEB	C2D-C3D	9.86	1.47	1.34
31	t8	202	PEB	C2D-C3D	9.86	1.47	1.34
31	k8	202	PEB	C2D-C3D	9.86	1.47	1.34
31	GK	202	PEB	C2D-C3D	9.86	1.47	1.34
31	II	202	PEB	C2D-C3D	9.85	1.47	1.34
31	g8	202	PEB	C2D-C3D	9.85	1.47	1.34
31	c2	202	PEB	C2D-C3D	9.85	1.47	1.34
31	qF	202	PEB	C2D-C3D	9.85	1.47	1.34
31	gC	202	PEB	C2D-C3D	9.85	1.47	1.34
31	XI	202	PEB	C2D-C3D	9.85	1.47	1.34
31	o8	202	PEB	C2D-C3D	9.85	1.47	1.34
31	s8	203	PEB	C2D-C3D	9.85	1.47	1.34
31	qF	203	PEB	C2D-C3D	9.85	1.47	1.34
31	UI	203	PEB	C2D-C3D	9.84	1.47	1.34
31	MA	202	PEB	C2D-C3D	9.84	1.47	1.34
31	IF	201	PEB	CHB-C4B	9.84	1.43	1.35
31	o8	201	PEB	C2D-C3D	9.84	1.47	1.34
31	W2	202	PEB	C2D-C3D	9.84	1.47	1.34
31	H1	201	PEB	C2D-C3D	9.84	1.47	1.34
31	Q5	201	PEB	C2D-C3D	9.84	1.47	1.34
31	mD	201	PEB	C2D-C3D	9.84	1.47	1.34
31	N6	1002	PEB	C2D-C3D	9.84	1.47	1.34
31	WC	202	PEB	C2D-C3D	9.83	1.47	1.34
31	pF	201	PEB	C2D-C3D	9.83	1.47	1.34
31	sF	202	PEB	C2D-C3D	9.83	1.47	1.34
31	lF	201	PEB	C2D-C3D	9.83	1.47	1.34
31	J1	203	PEB	C2D-C3D	9.83	1.47	1.34
31	fH	202	PEB	C2D-C3D	9.83	1.47	1.34
31	TI	202	PEB	C2D-C3D	9.83	1.47	1.34
31	EI	202	PEB	C2D-C3D	9.83	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A2	302	PEB	C2D-C3D	9.83	1.47	1.34
31	d2	203	PEB	C2D-C3D	9.83	1.47	1.34
31	MF	201	PEB	C2D-C3D	9.83	1.47	1.34
31	hE	202	PEB	C2D-C3D	9.83	1.47	1.34
31	bD	201	PEB	C2D-C3D	9.83	1.47	1.34
31	D1	203	PEB	C2D-C3D	9.83	1.47	1.34
31	bB	202	PEB	C2D-C3D	9.83	1.47	1.34
31	G5	201	PEB	C2D-C3D	9.83	1.47	1.34
31	Q7	202	PEB	C2D-C3D	9.83	1.47	1.34
31	kC	202	PEB	C2D-C3D	9.82	1.47	1.34
31	jC	203	PEB	C2D-C3D	9.82	1.47	1.34
31	f6	201	PEB	C2D-C3D	9.82	1.47	1.34
31	i6	201	PEB	C2D-C3D	9.82	1.47	1.34
31	PI	202	PEB	C2D-C3D	9.82	1.47	1.34
31	eC	201	PEB	C2D-C3D	9.82	1.47	1.34
31	SJ	201	PEB	C2D-C3D	9.82	1.47	1.34
31	a2	202	PEB	C2D-C3D	9.82	1.47	1.34
31	Z2	202	PEB	C2D-C3D	9.82	1.47	1.34
31	AI	202	PEB	C2D-C3D	9.81	1.47	1.34
31	VC	202	PEB	C2D-C3D	9.81	1.47	1.34
31	VI	202	PEB	C2D-C3D	9.81	1.47	1.34
31	AC	302	PEB	C2D-C3D	9.81	1.47	1.34
31	GI	202	PEB	C2D-C3D	9.81	1.47	1.34
31	mF	201	PEB	C2D-C3D	9.80	1.47	1.34
31	JK	203	PEB	C2D-C3D	9.80	1.47	1.34
31	Y2	201	PEB	C2D-C3D	9.80	1.47	1.34
31	FK	203	PEB	C2D-C3D	9.80	1.47	1.34
31	k2	202	PEB	C2D-C3D	9.80	1.47	1.34
31	S5	201	PEB	C2D-C3D	9.80	1.47	1.34
31	tF	202	PEB	C2D-C3D	9.80	1.47	1.34
31	oF	202	PEB	C2D-C3D	9.80	1.47	1.34
31	W1	202	PEB	C2D-C3D	9.80	1.47	1.34
31	L1	203	PEB	C2D-C3D	9.79	1.47	1.34
31	I8	201	PEB	CHB-C4B	9.79	1.43	1.35
31	jC	201	PEB	C2D-C3D	9.79	1.47	1.34
31	NB	1002	PEB	C2D-C3D	9.79	1.47	1.34
31	HI	203	PEB	C2D-C3D	9.79	1.47	1.34
31	XJ	203	PEB	C2D-C3D	9.79	1.47	1.34
31	VK	203	PEB	C2D-C3D	9.79	1.47	1.34
31	QI	203	PEB	C2D-C3D	9.79	1.47	1.34
31	i6	203	PEB	C2D-C3D	9.79	1.47	1.34
31	NC	1002	PEB	C2D-C3D	9.79	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	KI	202	PEB	C2D-C3D	9.79	1.47	1.34
31	G1	202	PEB	C2D-C3D	9.79	1.47	1.34
31	RI	202	PEB	C2D-C3D	9.79	1.47	1.34
31	Y6	203	PEB	C2D-C3D	9.79	1.47	1.34
31	gB	203	PEB	C2D-C3D	9.78	1.47	1.34
31	H1	202	PEB	C2D-C3D	9.78	1.47	1.34
31	iC	202	PEB	C2D-C3D	9.78	1.47	1.34
31	jH	201	PEB	C2D-C3D	9.78	1.47	1.34
31	l8	201	PEB	C2D-C3D	9.78	1.47	1.34
31	YJ	201	PEB	C2D-C3D	9.78	1.47	1.34
31	e8	203	PEB	C2D-C3D	9.77	1.47	1.34
31	iD	201	PEB	C2D-C3D	9.77	1.47	1.34
31	UI	201	PEB	C2D-C3D	9.77	1.47	1.34
31	gE	202	PEB	C2D-C3D	9.77	1.47	1.34
31	rF	201	PEB	C2D-C3D	9.77	1.47	1.34
31	JI	202	PEB	C2D-C3D	9.77	1.47	1.34
31	sF	203	PEB	C2D-C3D	9.77	1.47	1.34
31	V1	203	PEB	C2D-C3D	9.77	1.47	1.34
31	aH	203	PEB	C2D-C3D	9.77	1.47	1.34
31	m4	201	PEB	C2D-C3D	9.76	1.47	1.34
31	I7	202	PEB	C2D-C3D	9.76	1.47	1.34
31	eF	201	PEB	C2D-C3D	9.76	1.47	1.34
31	L6	1002	PEB	C2D-C3D	9.76	1.47	1.34
31	DI	203	PEB	C2D-C3D	9.76	1.47	1.34
31	cC	202	PEB	C2D-C3D	9.76	1.47	1.34
31	hD	202	PEB	C2D-C3D	9.76	1.47	1.34
31	iD	202	PEB	C2D-C3D	9.76	1.47	1.34
31	lE	203	PEB	C2D-C3D	9.76	1.47	1.34
31	bF	201	PEB	C2D-C3D	9.76	1.47	1.34
31	i2	202	PEB	C2D-C3D	9.76	1.47	1.34
31	i8	203	PEB	C2D-C3D	9.76	1.47	1.34
31	PC	202	PEB	C2D-C3D	9.75	1.47	1.34
31	f4	201	PEB	C2D-C3D	9.75	1.47	1.34
31	g4	202	PEB	C2D-C3D	9.75	1.47	1.34
31	kF	202	PEB	C2D-C3D	9.75	1.47	1.34
31	YC	201	PEB	C2D-C3D	9.75	1.47	1.34
31	pF	202	PEB	C2D-C3D	9.75	1.47	1.34
31	HK	201	PEB	C2D-C3D	9.75	1.47	1.34
31	O4	202	PEB	C2D-C3D	9.75	1.47	1.34
31	AC	301	PEB	C2D-C3D	9.75	1.47	1.34
31	BI	201	PEB	C2D-C3D	9.75	1.47	1.34
31	F1	203	PEB	C2D-C3D	9.75	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	N5	204	PEB	C2D-C3D	9.75	1.47	1.34
31	eF	203	PEB	C2D-C3D	9.75	1.47	1.34
31	g2	202	PEB	C2D-C3D	9.74	1.47	1.34
31	iF	202	PEB	C2D-C3D	9.74	1.47	1.34
31	LB	1002	PEB	C2D-C3D	9.74	1.47	1.34
31	YC	202	PEB	C2D-C3D	9.74	1.47	1.34
31	gF	202	PEB	C2D-C3D	9.74	1.47	1.34
31	l8	203	PEB	C2D-C3D	9.74	1.47	1.34
31	QD	203	PEB	C2D-C3D	9.74	1.47	1.34
31	ZI	303	PEB	C2D-C3D	9.74	1.47	1.34
31	AJ	301	PEB	C2D-C3D	9.74	1.47	1.34
31	A5	302	PEB	C2D-C3D	9.74	1.47	1.34
31	cB	203	PEB	C2D-C3D	9.73	1.47	1.34
31	NJ	204	PEB	C2D-C3D	9.73	1.47	1.34
31	f2	203	PEB	C2D-C3D	9.73	1.47	1.34
31	cB	202	PEB	C2D-C3D	9.73	1.47	1.34
31	MI	304	PEB	C2D-C3D	9.73	1.47	1.34
31	c6	201	PEB	C2D-C3D	9.73	1.47	1.34
31	HK	202	PEB	C2D-C3D	9.73	1.47	1.34
31	e2	201	PEB	C2D-C3D	9.73	1.47	1.34
31	YB	203	PEB	C2D-C3D	9.73	1.47	1.34
31	p8	202	PEB	C2D-C3D	9.73	1.47	1.34
31	mE	203	PEB	C2D-C3D	9.72	1.47	1.34
31	DI	201	PEB	C2D-C3D	9.72	1.47	1.34
31	ID	203	PEB	C2D-C3D	9.72	1.47	1.34
31	WI	203	PEB	C2D-C3D	9.72	1.47	1.34
31	cB	201	PEB	C2D-C3D	9.72	1.47	1.34
31	gB	201	PEB	C2D-C3D	9.72	1.47	1.34
31	FI	202	PEB	C2D-C3D	9.72	1.47	1.34
31	lF	203	PEB	C2D-C3D	9.72	1.47	1.34
31	V2	202	PEB	C2D-C3D	9.72	1.47	1.34
31	iB	203	PEB	C2D-C3D	9.72	1.47	1.34
31	cE	202	PEB	C2D-C3D	9.72	1.47	1.34
31	UI	202	PEB	C2D-C3D	9.72	1.47	1.34
31	N5	203	PEB	C2D-C3D	9.71	1.47	1.34
31	mE	201	PEB	C2D-C3D	9.71	1.47	1.34
31	X5	203	PEB	C2D-C3D	9.71	1.47	1.34
31	QE	201	PEB	C2D-C3D	9.71	1.47	1.34
31	MJ	201	PEB	C2D-C3D	9.71	1.47	1.34
31	a8	201	PEB	C2D-C3D	9.71	1.47	1.34
31	S6	201	PEB	C2D-C3D	9.71	1.47	1.34
31	m8	201	PEB	C2D-C3D	9.71	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Z8	202	PEB	C2D-C3D	9.71	1.47	1.34
31	VE	202	PEB	C2D-C3D	9.70	1.47	1.34
31	BI	203	PEB	C2D-C3D	9.70	1.47	1.34
31	PJ	201	PEB	C2D-C3D	9.70	1.47	1.34
31	BK	202	PEB	C2D-C3D	9.70	1.47	1.34
31	U2	202	PEB	C2D-C3D	9.70	1.47	1.34
31	g6	201	PEB	C2D-C3D	9.70	1.47	1.34
31	T4	202	PEB	C2D-C3D	9.69	1.47	1.34
31	fA	301	PEB	C2D-C3D	9.69	1.47	1.34
31	UG	202	PEB	C2D-C3D	9.69	1.47	1.34
31	JI	203	PEB	C2D-C3D	9.69	1.47	1.34
31	eC	202	PEB	C2D-C3D	9.69	1.47	1.34
31	FB	1002	PEB	C2D-C3D	9.69	1.47	1.34
31	p8	201	PEB	C2D-C3D	9.69	1.47	1.34
31	LK	203	PEB	C2D-C3D	9.69	1.47	1.34
31	dH	201	PEB	C2D-C3D	9.69	1.47	1.34
31	j2	201	PEB	C2D-C3D	9.68	1.47	1.34
31	kC	201	PEB	C2D-C3D	9.68	1.47	1.34
31	dD	203	PEB	C2D-C3D	9.68	1.47	1.34
31	P2	202	PEB	C2D-C3D	9.68	1.47	1.34
31	Y2	202	PEB	C2D-C3D	9.68	1.47	1.34
31	g8	201	PEB	C2D-C3D	9.68	1.47	1.34
31	b8	201	PEB	C2D-C3D	9.68	1.47	1.34
31	c8	202	PEB	C2D-C3D	9.68	1.47	1.34
31	aF	201	PEB	C2D-C3D	9.68	1.47	1.34
31	A5	301	PEB	C2D-C3D	9.68	1.47	1.34
31	cD	202	PEB	C2D-C3D	9.67	1.47	1.34
31	c6	202	PEB	C2D-C3D	9.67	1.47	1.34
31	iE	202	PEB	C2D-C3D	9.67	1.47	1.34
31	b6	202	PEB	C2D-C3D	9.67	1.47	1.34
31	DI	202	PEB	C2D-C3D	9.67	1.47	1.34
31	AB	304	PEB	C2D-C3D	9.67	1.47	1.34
31	d2	201	PEB	C2D-C3D	9.67	1.47	1.34
31	k6	201	PEB	C2D-C3D	9.67	1.47	1.34
31	eD	203	PEB	C2D-C3D	9.67	1.47	1.34
31	lF	202	PEB	C2D-C3D	9.67	1.47	1.34
31	WC	203	PEB	C2D-C3D	9.67	1.47	1.34
31	O7	203	PEB	C2D-C3D	9.67	1.47	1.34
31	mD	203	PEB	C2D-C3D	9.67	1.47	1.34
31	mH	201	PEB	C2D-C3D	9.67	1.47	1.34
31	A2	301	PEB	C2D-C3D	9.66	1.47	1.34
31	bC	201	PEB	C2D-C3D	9.66	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	M8	201	PEB	C2D-C3D	9.66	1.47	1.34
31	KF	203	PEB	C2D-C3D	9.66	1.47	1.34
31	OI	203	PEB	C2D-C3D	9.66	1.47	1.34
31	ZF	202	PEB	C2D-C3D	9.66	1.47	1.34
31	dC	201	PEB	C2D-C3D	9.66	1.47	1.34
31	YF	202	PEB	C2D-C3D	9.66	1.47	1.34
31	k4	201	PEB	C2D-C3D	9.66	1.47	1.34
31	gD	202	PEB	C2D-C3D	9.66	1.47	1.34
31	AC	305	PEB	C2D-C3D	9.66	1.47	1.34
31	M5	201	PEB	C2D-C3D	9.66	1.47	1.34
31	H7	202	PEB	C2D-C3D	9.66	1.47	1.34
31	a4	201	PEB	C2D-C3D	9.65	1.46	1.34
31	r8	202	PEB	C2D-C3D	9.65	1.46	1.34
31	a6	203	PEB	C2D-C3D	9.65	1.46	1.34
31	QI	201	PEB	C2D-C3D	9.65	1.46	1.34
31	FI	201	PEB	C2D-C3D	9.65	1.46	1.34
31	VD	202	PEB	C2D-C3D	9.65	1.46	1.34
31	NJ	203	PEB	C2D-C3D	9.65	1.46	1.34
31	Q5	202	PEB	C2D-C3D	9.65	1.46	1.34
31	N7	202	PEB	C2D-C3D	9.65	1.46	1.34
31	F6	1002	PEB	C2D-C3D	9.65	1.46	1.34
31	g6	203	PEB	C2D-C3D	9.65	1.46	1.34
31	gF	201	PEB	C2D-C3D	9.65	1.46	1.34
31	JI	201	PEB	C2D-C3D	9.64	1.46	1.34
31	HI	202	PEB	C2D-C3D	9.64	1.46	1.34
31	UI	204	PEB	C2D-C3D	9.64	1.46	1.34
31	HJ	203	PEB	C2D-C3D	9.64	1.46	1.34
31	Q8	202	PEB	C2D-C3D	9.64	1.46	1.34
31	k4	202	PEB	C2D-C3D	9.64	1.46	1.34
31	QF	202	PEB	C2D-C3D	9.64	1.46	1.34
31	c8	201	PEB	C2D-C3D	9.64	1.46	1.34
31	B1	203	PEB	C2D-C3D	9.64	1.46	1.34
31	m6	201	PEB	C2D-C3D	9.64	1.46	1.34
31	d8	201	PEB	C2D-C3D	9.64	1.46	1.34
31	ZC	202	PEB	C2D-C3D	9.64	1.46	1.34
31	iB	201	PEB	C2D-C3D	9.63	1.46	1.34
31	E8	202	PEB	C2D-C3D	9.63	1.46	1.34
31	K8	203	PEB	C2D-C3D	9.63	1.46	1.34
31	RE	201	PEB	C2D-C3D	9.63	1.46	1.34
31	UH	203	PEB	C2D-C3D	9.63	1.46	1.34
31	dE	202	PEB	C2D-C3D	9.63	1.46	1.34
31	P5	201	PEB	C2D-C3D	9.63	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	eB	203	PEB	C2D-C3D	9.63	1.46	1.34
31	c4	202	PEB	C2D-C3D	9.63	1.46	1.34
31	k2	201	PEB	C2D-C3D	9.63	1.46	1.34
31	Y8	203	PEB	C2D-C3D	9.63	1.46	1.34
31	FI	203	PEB	C2D-C3D	9.62	1.46	1.34
31	A2	305	PEB	C2D-C3D	9.62	1.46	1.34
31	P5	202	PEB	C2D-C3D	9.62	1.46	1.34
31	AD	304	PEB	C2D-C3D	9.62	1.46	1.34
31	fC	203	PEB	C2D-C3D	9.62	1.46	1.34
31	SB	202	PEB	C2D-C3D	9.62	1.46	1.34
31	Z8	201	PEB	C2D-C3D	9.62	1.46	1.34
31	T5	203	PEB	C2D-C3D	9.62	1.46	1.34
31	EF	202	PEB	C2D-C3D	9.62	1.46	1.34
31	eD	201	PEB	C2D-C3D	9.62	1.46	1.34
31	G4	201	PEB	C2D-C3D	9.62	1.46	1.34
31	R5	202	PEB	C2D-C3D	9.62	1.46	1.34
31	hA	301	PEB	C2D-C3D	9.62	1.46	1.34
31	SI	203	PEB	C2D-C3D	9.61	1.46	1.34
31	iE	201	PEB	C2D-C3D	9.61	1.46	1.34
31	jE	202	PEB	C2D-C3D	9.61	1.46	1.34
31	LJ	203	PEB	C2D-C3D	9.61	1.46	1.34
31	QJ	202	PEB	C2D-C3D	9.61	1.46	1.34
31	a4	204	PEB	C2D-C3D	9.61	1.46	1.34
31	dF	202	PEB	C2D-C3D	9.61	1.46	1.34
31	e2	202	PEB	C2D-C3D	9.61	1.46	1.34
31	YF	203	PEB	C2D-C3D	9.60	1.46	1.34
31	U5	201	PEB	C2D-C3D	9.60	1.46	1.34
31	dF	201	PEB	C2D-C3D	9.60	1.46	1.34
31	PJ	202	PEB	C2D-C3D	9.60	1.46	1.34
31	A8	202	PEB	C2D-C3D	9.60	1.46	1.34
31	B1	202	PEB	C2D-C3D	9.60	1.46	1.34
31	fD	203	PEB	C2D-C3D	9.60	1.46	1.34
31	hE	203	PEB	C2D-C3D	9.59	1.46	1.34
31	RC	201	PEB	C2D-C3D	9.59	1.46	1.34
31	hD	203	PEB	C2D-C3D	9.59	1.46	1.34
31	m6	203	PEB	C2D-C3D	9.59	1.46	1.34
31	c6	203	PEB	C2D-C3D	9.59	1.46	1.34
31	LI	201	PEB	C2D-C3D	9.59	1.46	1.34
31	L5	203	PEB	C2D-C3D	9.59	1.46	1.34
31	UD	203	PEB	C2D-C3D	9.59	1.46	1.34
31	HK	203	PEB	C2D-C3D	9.59	1.46	1.34
31	J4	202	PEB	C2D-C3D	9.59	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	fD	201	PEB	C2D-C3D	9.59	1.46	1.34
31	HG	202	PEB	C2D-C3D	9.59	1.46	1.34
31	UC	202	PEB	C2D-C3D	9.58	1.46	1.34
31	AE	304	PEB	C2D-C3D	9.58	1.46	1.34
31	YI	201	PEB	C2D-C3D	9.58	1.46	1.34
31	dE	204	PEB	C2D-C3D	9.58	1.46	1.34
31	UJ	201	PEB	C2D-C3D	9.58	1.46	1.34
31	d8	202	PEB	C2D-C3D	9.58	1.46	1.34
31	A6	304	PEB	C2D-C3D	9.58	1.46	1.34
31	mB	201	PEB	C2D-C3D	9.58	1.46	1.34
31	O8	203	PEB	C2D-C3D	9.58	1.46	1.34
31	wF	301	PEB	C2D-C3D	9.58	1.46	1.34
31	i8	202	PEB	C2D-C3D	9.58	1.46	1.34
31	AF	202	PEB	C2D-C3D	9.58	1.46	1.34
31	UA	304	PEB	C2D-C3D	9.57	1.46	1.34
31	K1	202	PEB	C2D-C3D	9.57	1.46	1.34
31	jE	201	PEB	C2D-C3D	9.57	1.46	1.34
31	xF	303	PEB	C2D-C3D	9.57	1.46	1.34
31	m6	202	PEB	C2D-C3D	9.57	1.46	1.34
31	cF	201	PEB	C2D-C3D	9.57	1.46	1.34
31	QD	201	PEB	C2D-C3D	9.57	1.46	1.34
31	eE	201	PEB	C2D-C3D	9.57	1.46	1.34
31	a2	201	PEB	C2D-C3D	9.57	1.46	1.34
31	dD	202	PEB	C2D-C3D	9.57	1.46	1.34
31	x8	303	PEB	C2D-C3D	9.57	1.46	1.34
31	L4	202	PEB	C2D-C3D	9.57	1.46	1.34
31	RD	201	PEB	C2D-C3D	9.57	1.46	1.34
31	OI	201	PEB	C2D-C3D	9.57	1.46	1.34
31	TJ	203	PEB	C2D-C3D	9.57	1.46	1.34
31	gH	201	PEB	C2D-C3D	9.57	1.46	1.34
31	JK	201	PEB	C2D-C3D	9.56	1.46	1.34
31	Y8	202	PEB	C2D-C3D	9.56	1.46	1.34
31	WF	202	PEB	C2D-C3D	9.56	1.46	1.34
31	R2	201	PEB	C2D-C3D	9.56	1.46	1.34
31	l8	202	PEB	C2D-C3D	9.56	1.46	1.34
31	aC	201	PEB	C2D-C3D	9.56	1.46	1.34
31	X5	201	PEB	C2D-C3D	9.56	1.46	1.34
31	kH	201	PEB	C2D-C3D	9.56	1.46	1.34
31	UC	201	PEB	C2D-C3D	9.56	1.46	1.34
31	U2	201	PEB	C2D-C3D	9.56	1.46	1.34
31	QB	201	PEB	C2D-C3D	9.55	1.46	1.34
31	WG	203	PEB	C2D-C3D	9.55	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aB	203	PEB	C2D-C3D	9.55	1.46	1.34
31	gE	201	PEB	C2D-C3D	9.55	1.46	1.34
31	TB	203	PEB	C2D-C3D	9.55	1.46	1.34
31	M5	202	PEB	C2D-C3D	9.55	1.46	1.34
31	kD	201	PEB	C2D-C3D	9.55	1.46	1.34
31	RJ	201	PEB	C2D-C3D	9.55	1.46	1.34
31	eB	202	PEB	C2D-C3D	9.55	1.46	1.34
31	ZF	201	PEB	C2D-C3D	9.54	1.46	1.34
31	CF	201	PEB	C2D-C3D	9.54	1.46	1.34
31	i4	202	PEB	C2D-C3D	9.54	1.46	1.34
31	S5	202	PEB	C2D-C3D	9.54	1.46	1.34
31	Y8	201	PEB	C2D-C3D	9.54	1.46	1.34
31	Q9	202	PEB	C2D-C3D	9.54	1.46	1.34
31	JG	202	PEB	C2D-C3D	9.54	1.46	1.34
31	C8	201	PEB	C2D-C3D	9.54	1.46	1.34
31	a4	202	PEB	C2D-C3D	9.54	1.46	1.34
31	j4	202	PEB	C2D-C3D	9.54	1.46	1.34
31	kB	201	PEB	C2D-C3D	9.54	1.46	1.34
31	rF	202	PEB	C2D-C3D	9.54	1.46	1.34
31	UE	203	PEB	C2D-C3D	9.54	1.46	1.34
31	B7	202	PEB	C2D-C3D	9.53	1.46	1.34
31	kH	202	PEB	C2D-C3D	9.53	1.46	1.34
31	Q2	203	PEB	C2D-C3D	9.53	1.46	1.34
31	H1	203	PEB	C2D-C3D	9.53	1.46	1.34
31	W2	203	PEB	C2D-C3D	9.53	1.46	1.34
31	RH	202	PEB	C2D-C3D	9.53	1.46	1.34
31	l2	202	PEB	C2D-C3D	9.53	1.46	1.34
31	J1	201	PEB	C2D-C3D	9.52	1.46	1.34
31	F1	201	PEB	C2D-C3D	9.52	1.46	1.34
31	WF	203	PEB	C2D-C3D	9.52	1.46	1.34
31	C8	203	PEB	C2D-C3D	9.52	1.46	1.34
31	F7	202	PEB	C2D-C3D	9.52	1.46	1.34
31	jD	202	PEB	C2D-C3D	9.52	1.46	1.34
31	cH	202	PEB	C2D-C3D	9.52	1.46	1.34
31	i4	201	PEB	C2D-C3D	9.52	1.46	1.34
31	dE	203	PEB	C2D-C3D	9.52	1.46	1.34
31	w8	301	PEB	C2D-C3D	9.52	1.46	1.34
31	AJ	302	PEB	C2D-C3D	9.51	1.46	1.34
31	jD	201	PEB	C2D-C3D	9.51	1.46	1.34
31	OI	202	PEB	C2D-C3D	9.51	1.46	1.34
31	SI	201	PEB	C2D-C3D	9.51	1.46	1.34
31	U8	202	PEB	C2D-C3D	9.51	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	hB	201	PEB	C2D-C3D	9.51	1.46	1.34
31	Z4	202	PEB	C2D-C3D	9.51	1.46	1.34
31	DJ	203	PEB	C2D-C3D	9.51	1.46	1.34
31	m4	202	PEB	C2D-C3D	9.51	1.46	1.34
31	J7	202	PEB	C2D-C3D	9.51	1.46	1.34
31	RJ	202	PEB	C2D-C3D	9.51	1.46	1.34
31	JC	1002	PEB	C2D-C3D	9.51	1.46	1.34
31	mB	202	PEB	C2D-C3D	9.51	1.46	1.34
31	fD	202	PEB	C2D-C3D	9.51	1.46	1.34
31	V4	202	PEB	C2D-C3D	9.50	1.46	1.34
31	f8	202	PEB	C2D-C3D	9.50	1.46	1.34
31	eD	202	PEB	C2D-C3D	9.50	1.46	1.34
31	eE	202	PEB	C2D-C3D	9.50	1.46	1.34
31	R4	202	PEB	C2D-C3D	9.50	1.46	1.34
31	I4	201	PEB	C2D-C3D	9.50	1.46	1.34
31	A6	301	PEB	C2D-C3D	9.50	1.46	1.34
31	S7	203	PEB	C2D-C3D	9.50	1.46	1.34
31	iF	203	PEB	C2D-C3D	9.50	1.46	1.34
31	e6	202	PEB	C2D-C3D	9.50	1.46	1.34
31	UF	202	PEB	C2D-C3D	9.50	1.46	1.34
31	X4	202	PEB	C2D-C3D	9.50	1.46	1.34
31	NJ	202	PEB	C2D-C3D	9.49	1.46	1.34
31	KK	202	PEB	C2D-C3D	9.49	1.46	1.34
31	dB	202	PEB	C2D-C3D	9.49	1.46	1.34
31	Q4	203	PEB	C2D-C3D	9.49	1.46	1.34
31	V5	203	PEB	C2D-C3D	9.49	1.46	1.34
31	Y9	202	PEB	C2D-C3D	9.49	1.46	1.34
31	bF	202	PEB	C2D-C3D	9.49	1.46	1.34
31	h4	202	PEB	C2D-C3D	9.49	1.46	1.34
31	d4	203	PEB	C2D-C3D	9.49	1.46	1.34
31	mB	203	PEB	C2D-C3D	9.49	1.46	1.34
31	YF	201	PEB	C2D-C3D	9.49	1.46	1.34
31	PB	202	PEB	C2D-C3D	9.49	1.46	1.34
31	SJ	202	PEB	C2D-C3D	9.49	1.46	1.34
31	E1	202	PEB	C2D-C3D	9.49	1.46	1.34
31	AB	301	PEB	C2D-C3D	9.49	1.46	1.34
31	WC	201	PEB	C2D-C3D	9.49	1.46	1.34
31	PB	201	PEB	C2D-C3D	9.48	1.46	1.34
31	QF	201	PEB	C2D-C3D	9.48	1.46	1.34
31	JH	202	PEB	C2D-C3D	9.48	1.46	1.34
31	P6	202	PEB	C2D-C3D	9.48	1.46	1.34
31	kB	202	PEB	C2D-C3D	9.48	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BK	201	PEB	C2D-C3D	9.48	1.46	1.34
31	fH	201	PEB	C2D-C3D	9.48	1.46	1.34
31	fE	203	PEB	C2D-C3D	9.48	1.46	1.34
31	H9	203	PEB	C2D-C3D	9.48	1.46	1.34
31	R5	201	PEB	C2D-C3D	9.48	1.46	1.34
31	O4	203	PEB	C2D-C3D	9.48	1.46	1.34
31	b2	201	PEB	C2D-C3D	9.48	1.46	1.34
31	VH	201	PEB	C2D-C3D	9.47	1.46	1.34
31	D5	203	PEB	C2D-C3D	9.47	1.46	1.34
31	W8	203	PEB	C2D-C3D	9.47	1.46	1.34
31	cE	201	PEB	C2D-C3D	9.47	1.46	1.34
31	AB	305	PEB	C2D-C3D	9.47	1.46	1.34
31	ZI	301	PEB	C2D-C3D	9.47	1.46	1.34
31	gD	201	PEB	C2D-C3D	9.47	1.46	1.34
31	k6	202	PEB	C2D-C3D	9.47	1.46	1.34
31	iH	201	PEB	C2D-C3D	9.47	1.46	1.34
31	n8	202	PEB	C2D-C3D	9.47	1.46	1.34
31	d6	202	PEB	C2D-C3D	9.47	1.46	1.34
31	P4	202	PEB	C2D-C3D	9.46	1.46	1.34
31	bE	201	PEB	C2D-C3D	9.46	1.46	1.34
31	EI	201	PEB	C2D-C3D	9.46	1.46	1.34
31	T6	203	PEB	C2D-C3D	9.46	1.46	1.34
31	HH	202	PEB	C2D-C3D	9.46	1.46	1.34
31	XJ	202	PEB	C2D-C3D	9.46	1.46	1.34
31	RI	201	PEB	C2D-C3D	9.46	1.46	1.34
31	XJ	201	PEB	C2D-C3D	9.46	1.46	1.34
31	OK	202	PEB	C2D-C3D	9.46	1.46	1.34
31	v8	202	PEB	C2D-C3D	9.46	1.46	1.34
31	a4	203	PEB	C2D-C3D	9.46	1.46	1.34
31	CA	201	PEB	C2D-C3D	9.45	1.46	1.34
31	OF	203	PEB	C2D-C3D	9.45	1.46	1.34
31	QG	201	PEB	C2D-C3D	9.45	1.46	1.34
31	hF	201	PEB	C2D-C3D	9.45	1.46	1.34
31	M9	303	PEB	C2D-C3D	9.45	1.46	1.34
31	lC	201	PEB	C2D-C3D	9.45	1.46	1.34
31	nF	202	PEB	C2D-C3D	9.45	1.46	1.34
31	qF	201	PEB	C2D-C3D	9.45	1.46	1.34
31	LI	203	PEB	C2D-C3D	9.45	1.46	1.34
31	vF	202	PEB	C2D-C3D	9.45	1.46	1.34
31	J2	1002	PEB	C2D-C3D	9.45	1.46	1.34
31	N5	202	PEB	C2D-C3D	9.45	1.46	1.34
31	fE	201	PEB	C2D-C3D	9.45	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	E4	202	PEB	C2D-C3D	9.44	1.46	1.34
31	ZA	203	PEB	C2D-C3D	9.44	1.46	1.34
31	II	201	PEB	C2D-C3D	9.44	1.46	1.34
31	D4	201	PEB	C2D-C3D	9.44	1.46	1.34
31	g4	201	PEB	C2D-C3D	9.44	1.46	1.34
31	U1	202	PEB	C2D-C3D	9.44	1.46	1.34
31	A6	305	PEB	C2D-C3D	9.44	1.46	1.34
31	QA	203	PEB	C2D-C3D	9.44	1.46	1.34
31	DG	202	PEB	C2D-C3D	9.44	1.46	1.34
31	dD	204	PEB	C2D-C3D	9.44	1.46	1.34
31	PD	202	PEB	C2D-C3D	9.44	1.46	1.34
31	CF	202	PEB	C2D-C3D	9.44	1.46	1.34
31	FK	201	PEB	C2D-C3D	9.44	1.46	1.34
31	HI	201	PEB	C2D-C3D	9.44	1.46	1.34
31	CI	201	PEB	C2D-C3D	9.44	1.46	1.34
31	e6	203	PEB	C2D-C3D	9.44	1.46	1.34
31	D7	202	PEB	C2D-C3D	9.44	1.46	1.34
31	AD	301	PEB	C2D-C3D	9.44	1.46	1.34
31	VF	202	PEB	C2D-C3D	9.44	1.46	1.34
31	e4	201	PEB	C2D-C3D	9.44	1.46	1.34
31	ZA	202	PEB	C2D-C3D	9.43	1.46	1.34
31	k8	201	PEB	C2D-C3D	9.43	1.46	1.34
31	JJ	202	PEB	C2D-C3D	9.43	1.46	1.34
31	d4	202	PEB	C2D-C3D	9.43	1.46	1.34
31	CK	201	PEB	C2D-C3D	9.43	1.46	1.34
31	fE	202	PEB	C2D-C3D	9.43	1.46	1.34
31	CF	203	PEB	C2D-C3D	9.43	1.46	1.34
31	BK	203	PEB	C2D-C3D	9.43	1.46	1.34
31	hB	202	PEB	C2D-C3D	9.43	1.46	1.34
31	aD	201	PEB	C2D-C3D	9.43	1.46	1.34
31	MI	302	PEB	C2D-C3D	9.43	1.46	1.34
31	f4	203	PEB	C2D-C3D	9.43	1.46	1.34
31	U7	201	PEB	C2D-C3D	9.43	1.46	1.34
31	GI	201	PEB	C2D-C3D	9.43	1.46	1.34
31	kF	201	PEB	C2D-C3D	9.43	1.46	1.34
31	RC	202	PEB	C2D-C3D	9.43	1.46	1.34
31	C5	201	PEB	C2D-C3D	9.43	1.46	1.34
31	C8	202	PEB	C2D-C3D	9.43	1.46	1.34
31	gA	202	PEB	C2D-C3D	9.43	1.46	1.34
31	QH	204	PEB	C2D-C3D	9.43	1.46	1.34
31	F5	203	PEB	C2D-C3D	9.43	1.46	1.34
31	F7	201	PEB	C2D-C3D	9.42	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	FJ	202	PEB	C2D-C3D	9.42	1.46	1.34
31	d4	201	PEB	C2D-C3D	9.42	1.46	1.34
31	L1	202	PEB	C2D-C3D	9.42	1.46	1.34
31	l6	201	PEB	C2D-C3D	9.42	1.46	1.34
31	P7	202	PEB	C2D-C3D	9.42	1.46	1.34
31	SH	202	PEB	C2D-C3D	9.42	1.46	1.34
31	H4	202	PEB	C2D-C3D	9.42	1.46	1.34
31	F5	202	PEB	C2D-C3D	9.42	1.46	1.34
31	VJ	203	PEB	C2D-C3D	9.42	1.46	1.34
31	h6	202	PEB	C2D-C3D	9.42	1.46	1.34
31	RB	203	PEB	C2D-C3D	9.42	1.46	1.34
31	R6	203	PEB	C2D-C3D	9.42	1.46	1.34
31	EK	202	PEB	C2D-C3D	9.42	1.46	1.34
31	D9	203	PEB	C2D-C3D	9.42	1.46	1.34
31	jB	201	PEB	C2D-C3D	9.42	1.46	1.34
31	AK	201	PEB	C2D-C3D	9.42	1.46	1.34
31	z8	501	PEB	C2D-C3D	9.42	1.46	1.34
31	j6	201	PEB	C2D-C3D	9.41	1.46	1.34
31	dB	201	PEB	C2D-C3D	9.41	1.46	1.34
31	KI	201	PEB	C2D-C3D	9.41	1.46	1.34
31	g8	203	PEB	C2D-C3D	9.41	1.46	1.34
31	gF	203	PEB	C2D-C3D	9.41	1.46	1.34
31	d6	201	PEB	C2D-C3D	9.41	1.46	1.34
31	S4	203	PEB	C2D-C3D	9.41	1.46	1.34
31	B7	201	PEB	C2D-C3D	9.41	1.46	1.34
31	AF	201	PEB	C2D-C3D	9.41	1.46	1.34
31	A1	201	PEB	C2D-C3D	9.41	1.46	1.34
31	X7	202	PEB	C2D-C3D	9.41	1.46	1.34
31	X5	202	PEB	C2D-C3D	9.40	1.46	1.34
31	SI	202	PEB	C2D-C3D	9.40	1.46	1.34
31	h6	201	PEB	C2D-C3D	9.40	1.46	1.34
31	L7	202	PEB	C2D-C3D	9.40	1.46	1.34
31	MJ	202	PEB	C2D-C3D	9.40	1.46	1.34
31	H7	201	PEB	C2D-C3D	9.40	1.46	1.34
31	gA	203	PEB	C2D-C3D	9.40	1.46	1.34
31	oF	203	PEB	C2D-C3D	9.40	1.46	1.34
31	BA	203	PEB	C2D-C3D	9.40	1.46	1.34
31	HF	202	PEB	C2D-C3D	9.40	1.46	1.34
31	Q4	201	PEB	C2D-C3D	9.40	1.46	1.34
31	V8	202	PEB	C2D-C3D	9.40	1.46	1.34
31	B1	201	PEB	C2D-C3D	9.40	1.46	1.34
31	bD	202	PEB	C2D-C3D	9.40	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	AI	201	PEB	C2D-C3D	9.40	1.46	1.34
31	RB	201	PEB	C2D-C3D	9.39	1.46	1.34
31	C1	201	PEB	C2D-C3D	9.39	1.46	1.34
31	P6	201	PEB	C2D-C3D	9.39	1.46	1.34
31	U7	202	PEB	C2D-C3D	9.39	1.46	1.34
31	Z4	201	PEB	C2D-C3D	9.39	1.46	1.34
31	zF	501	PEB	C2D-C3D	9.39	1.46	1.34
31	B4	301	PEB	C2D-C3D	9.39	1.46	1.34
31	BH	301	PEB	C2D-C3D	9.39	1.46	1.34
31	h2	201	PEB	C2D-C3D	9.39	1.46	1.34
31	Y4	202	PEB	C2D-C3D	9.39	1.46	1.34
31	V7	202	PEB	C2D-C3D	9.39	1.46	1.34
31	G7	203	PEB	C2D-C3D	9.39	1.46	1.34
31	UE	201	PEB	C2D-C3D	9.39	1.46	1.34
31	Z9	303	PEB	C2D-C3D	9.39	1.46	1.34
31	TI	201	PEB	C2D-C3D	9.39	1.46	1.34
31	hH	202	PEB	C2D-C3D	9.39	1.46	1.34
31	T7	201	PEB	C2D-C3D	9.38	1.46	1.34
31	Q8	201	PEB	C2D-C3D	9.38	1.46	1.34
31	cD	201	PEB	C2D-C3D	9.38	1.46	1.34
31	AE	301	PEB	C2D-C3D	9.38	1.46	1.34
31	NI	201	PEB	C2D-C3D	9.38	1.46	1.34
31	M7	201	PEB	C2D-C3D	9.38	1.46	1.34
31	q8	201	PEB	C2D-C3D	9.38	1.46	1.34
31	mE	202	PEB	C2D-C3D	9.38	1.46	1.34
31	mH	202	PEB	C2D-C3D	9.38	1.46	1.34
31	PI	201	PEB	C2D-C3D	9.38	1.46	1.34
31	P8	201	PEB	C2D-C3D	9.38	1.46	1.34
31	f6	202	PEB	C2D-C3D	9.38	1.46	1.34
31	w8	302	PEB	C2D-C3D	9.38	1.46	1.34
31	UA	302	PEB	C2D-C3D	9.38	1.46	1.34
31	eF	202	PEB	C2D-C3D	9.38	1.46	1.34
31	CJ	201	PEB	C2D-C3D	9.37	1.46	1.34
31	e8	202	PEB	C2D-C3D	9.37	1.46	1.34
31	XI	201	PEB	C2D-C3D	9.37	1.46	1.34
31	QC	203	PEB	C2D-C3D	9.37	1.46	1.34
31	WA	402	PEB	C2D-C3D	9.37	1.46	1.34
31	A8	201	PEB	C2D-C3D	9.37	1.46	1.34
31	PE	202	PEB	C2D-C3D	9.37	1.46	1.34
31	VI	201	PEB	C2D-C3D	9.37	1.46	1.34
31	X1	203	PEB	C2D-C3D	9.37	1.46	1.34
31	E7	202	PEB	C2D-C3D	9.37	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Q6	201	PEB	C2D-C3D	9.36	1.46	1.34
31	E5	201	PEB	C2D-C3D	9.36	1.46	1.34
31	P4	201	PEB	C2D-C3D	9.36	1.46	1.34
31	D9	202	PEB	C2D-C3D	9.36	1.46	1.34
31	jF	202	PEB	C2D-C3D	9.36	1.46	1.34
31	SD	201	PEB	C2D-C3D	9.36	1.46	1.34
31	l4	203	PEB	C2D-C3D	9.36	1.46	1.34
31	YI	203	PEB	C2D-C3D	9.36	1.46	1.34
31	EJ	201	PEB	C2D-C3D	9.36	1.46	1.34
31	W8	202	PEB	C2D-C3D	9.36	1.46	1.34
31	Y6	202	PEB	C2D-C3D	9.36	1.46	1.34
31	aA	202	PEB	C2D-C3D	9.36	1.46	1.34
31	AA	501	PEB	C2D-C3D	9.36	1.46	1.34
31	V1	201	PEB	C2D-C3D	9.36	1.46	1.34
31	SF	203	PEB	C2D-C3D	9.35	1.46	1.34
31	YA	201	PEB	C2D-C3D	9.35	1.46	1.34
31	o8	203	PEB	C2D-C3D	9.35	1.46	1.34
31	O1	202	PEB	C2D-C3D	9.35	1.46	1.34
31	XK	202	PEB	C2D-C3D	9.35	1.46	1.34
31	L9	202	PEB	C2D-C3D	9.35	1.46	1.34
31	WI	201	PEB	C2D-C3D	9.34	1.46	1.34
31	R6	201	PEB	C2D-C3D	9.34	1.46	1.34
31	UK	202	PEB	C2D-C3D	9.34	1.46	1.34
31	G4	202	PEB	C2D-C3D	9.34	1.46	1.34
31	i6	202	PEB	C2D-C3D	9.34	1.46	1.34
31	VA	201	PEB	C2D-C3D	9.34	1.46	1.34
31	R4	201	PEB	C2D-C3D	9.34	1.46	1.34
31	gC	203	PEB	C2D-C3D	9.34	1.46	1.34
31	K8	202	PEB	C2D-C3D	9.34	1.46	1.34
31	R2	202	PEB	C2D-C3D	9.34	1.46	1.34
31	QE	202	PEB	C2D-C3D	9.34	1.46	1.34
31	C7	202	PEB	C2D-C3D	9.34	1.46	1.34
31	KJ	201	PEB	C2D-C3D	9.34	1.46	1.34
31	H4	201	PEB	C2D-C3D	9.34	1.46	1.34
31	E4	201	PEB	C2D-C3D	9.33	1.46	1.34
31	ID	201	PEB	C2D-C3D	9.33	1.46	1.34
31	IE	201	PEB	C2D-C3D	9.33	1.46	1.34
31	RD	202	PEB	C2D-C3D	9.33	1.46	1.34
31	wF	302	PEB	C2D-C3D	9.33	1.46	1.34
31	YB	202	PEB	C2D-C3D	9.33	1.46	1.34
31	UD	202	PEB	C2D-C3D	9.33	1.46	1.34
31	UE	202	PEB	C2D-C3D	9.33	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	R7	202	PEB	C2D-C3D	9.33	1.46	1.34
31	J8	202	PEB	C2D-C3D	9.33	1.46	1.34
31	E4	203	PEB	C2D-C3D	9.32	1.46	1.34
31	h4	203	PEB	C2D-C3D	9.32	1.46	1.34
31	C7	203	PEB	C2D-C3D	9.32	1.46	1.34
31	X4	201	PEB	C2D-C3D	9.32	1.46	1.34
31	SE	201	PEB	C2D-C3D	9.32	1.46	1.34
31	FJ	203	PEB	C2D-C3D	9.32	1.46	1.34
31	NG	202	PEB	C2D-C3D	9.32	1.46	1.34
31	lB	201	PEB	C2D-C3D	9.32	1.46	1.34
31	f4	202	PEB	C2D-C3D	9.32	1.46	1.34
31	G8	203	PEB	C2D-C3D	9.32	1.46	1.34
31	A4	302	PEB	C2D-C3D	9.31	1.46	1.34
31	g6	202	PEB	C2D-C3D	9.31	1.46	1.34
31	GA	201	PEB	C2D-C3D	9.31	1.46	1.34
31	HA	202	PEB	C2D-C3D	9.31	1.46	1.34
31	GG	203	PEB	C2D-C3D	9.31	1.46	1.34
31	X1	202	PEB	C2D-C3D	9.31	1.46	1.34
31	O9	202	PEB	C2D-C3D	9.31	1.46	1.34
31	YD	202	PEB	C2D-C3D	9.31	1.46	1.34
31	BJ	202	PEB	C2D-C3D	9.31	1.46	1.34
31	b8	202	PEB	C2D-C3D	9.31	1.46	1.34
31	y8	301	PEB	C2D-C3D	9.31	1.46	1.34
31	RE	202	PEB	C2D-C3D	9.31	1.46	1.34
31	hH	201	PEB	C2D-C3D	9.31	1.46	1.34
31	TC	202	PEB	C2D-C3D	9.31	1.46	1.34
31	OE	203	PEB	C2D-C3D	9.31	1.46	1.34
31	ZE	202	PEB	C2D-C3D	9.31	1.46	1.34
31	S8	203	PEB	C2D-C3D	9.31	1.46	1.34
31	V4	201	PEB	C2D-C3D	9.30	1.46	1.34
31	j8	202	PEB	C2D-C3D	9.30	1.46	1.34
31	iB	202	PEB	C2D-C3D	9.30	1.46	1.34
31	UD	201	PEB	C2D-C3D	9.30	1.46	1.34
31	M1	201	PEB	C2D-C3D	9.30	1.46	1.34
31	PE	201	PEB	C2D-C3D	9.30	1.46	1.34
31	N4	202	PEB	C2D-C3D	9.30	1.46	1.34
31	VG	202	PEB	C2D-C3D	9.30	1.46	1.34
31	A4	301	PEB	C2D-C3D	9.30	1.46	1.34
31	G7	202	PEB	C2D-C3D	9.30	1.46	1.34
31	YK	301	PEB	C2D-C3D	9.30	1.46	1.34
31	B5	202	PEB	C2D-C3D	9.30	1.46	1.34
31	Y1	301	PEB	C2D-C3D	9.30	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	S2	201	PEB	C2D-C3D	9.30	1.46	1.34
31	P7	201	PEB	C2D-C3D	9.30	1.46	1.34
31	W9	201	PEB	C2D-C3D	9.30	1.46	1.34
31	T2	202	PEB	C2D-C3D	9.29	1.46	1.34
31	VK	201	PEB	C2D-C3D	9.29	1.46	1.34
31	Q7	201	PEB	C2D-C3D	9.29	1.46	1.34
31	IG	202	PEB	C2D-C3D	9.29	1.46	1.34
31	PF	201	PEB	C2D-C3D	9.29	1.46	1.34
31	KF	202	PEB	C2D-C3D	9.29	1.46	1.34
31	W9	203	PEB	C2D-C3D	9.29	1.46	1.34
31	OG	203	PEB	C2D-C3D	9.29	1.46	1.34
31	kD	202	PEB	C2D-C3D	9.29	1.46	1.34
31	AK	202	PEB	C2D-C3D	9.29	1.46	1.34
31	mD	202	PEB	C2D-C3D	9.29	1.46	1.34
31	HJ	202	PEB	C2D-C3D	9.29	1.46	1.34
31	h8	201	PEB	C2D-C3D	9.28	1.46	1.34
31	e6	201	PEB	C2D-C3D	9.28	1.46	1.34
31	R6	202	PEB	C2D-C3D	9.28	1.46	1.34
31	EG	202	PEB	C2D-C3D	9.28	1.46	1.34
31	l4	201	PEB	C2D-C3D	9.28	1.46	1.34
31	N7	201	PEB	C2D-C3D	9.28	1.46	1.34
31	QH	203	PEB	C2D-C3D	9.28	1.46	1.34
31	F4	202	PEB	C2D-C3D	9.28	1.46	1.34
31	ZA	201	PEB	C2D-C3D	9.28	1.46	1.34
31	W2	201	PEB	C2D-C3D	9.28	1.46	1.34
31	fF	202	PEB	C2D-C3D	9.27	1.46	1.34
31	CG	202	PEB	C2D-C3D	9.27	1.46	1.34
31	AG	202	PEB	C2D-C3D	9.27	1.46	1.34
31	j8	201	PEB	C2D-C3D	9.27	1.46	1.34
31	ZD	203	PEB	C2D-C3D	9.27	1.46	1.34
31	K5	201	PEB	C2D-C3D	9.27	1.46	1.34
31	c4	201	PEB	C2D-C3D	9.27	1.46	1.34
31	P1	203	PEB	C2D-C3D	9.27	1.46	1.34
31	X8	201	PEB	C2D-C3D	9.27	1.46	1.34
31	aE	201	PEB	C2D-C3D	9.27	1.46	1.34
31	VH	202	PEB	C2D-C3D	9.27	1.46	1.34
31	FG	202	PEB	C2D-C3D	9.26	1.46	1.34
31	gA	201	PEB	C2D-C3D	9.26	1.46	1.34
31	PH	201	PEB	C2D-C3D	9.26	1.46	1.34
31	K5	202	PEB	C2D-C3D	9.26	1.46	1.34
31	XG	202	PEB	C2D-C3D	9.26	1.46	1.34
31	O2	201	PEB	C2D-C3D	9.26	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	JJ	203	PEB	C2D-C3D	9.26	1.46	1.34
31	FK	202	PEB	C2D-C3D	9.26	1.46	1.34
31	XK	203	PEB	C2D-C3D	9.26	1.46	1.34
31	QD	202	PEB	C2D-C3D	9.26	1.46	1.34
31	S9	202	PEB	C2D-C3D	9.25	1.46	1.34
31	OD	203	PEB	C2D-C3D	9.25	1.46	1.34
31	WF	201	PEB	C2D-C3D	9.25	1.46	1.34
31	TG	203	PEB	C2D-C3D	9.25	1.46	1.34
31	ZI	304	PEB	C2D-C3D	9.25	1.46	1.34
31	LK	202	PEB	C2D-C3D	9.25	1.46	1.34
31	M1	202	PEB	C2D-C3D	9.25	1.46	1.34
31	DB	1002	PEB	C2D-C3D	9.25	1.46	1.34
31	ZB	202	PEB	C2D-C3D	9.25	1.46	1.34
31	D4	202	PEB	C2D-C3D	9.25	1.46	1.34
31	W8	201	PEB	C2D-C3D	9.25	1.46	1.34
31	GF	203	PEB	C2D-C3D	9.25	1.46	1.34
31	PG	202	PEB	C2D-C3D	9.24	1.46	1.34
31	PH	202	PEB	C2D-C3D	9.24	1.46	1.34
31	QF	203	PEB	C2D-C3D	9.24	1.46	1.34
31	QH	201	PEB	C2D-C3D	9.24	1.46	1.34
31	VK	202	PEB	C2D-C3D	9.24	1.46	1.34
31	dH	202	PEB	C2D-C3D	9.24	1.46	1.34
31	S7	202	PEB	C2D-C3D	9.24	1.46	1.34
31	dE	201	PEB	C2D-C3D	9.24	1.46	1.34
31	VD	201	PEB	C2D-C3D	9.24	1.46	1.34
31	IK	201	PEB	C2D-C3D	9.24	1.46	1.34
31	bA	201	PEB	C2D-C3D	9.23	1.46	1.34
31	X7	201	PEB	C2D-C3D	9.23	1.46	1.34
31	f8	201	PEB	C2D-C3D	9.23	1.46	1.34
31	D8	202	PEB	C2D-C3D	9.23	1.46	1.34
31	TB	201	PEB	C2D-C3D	9.23	1.46	1.34
31	RG	202	PEB	C2D-C3D	9.23	1.46	1.34
31	KG	203	PEB	C2D-C3D	9.23	1.46	1.34
31	IH	201	PEB	C2D-C3D	9.23	1.46	1.34
31	T4	201	PEB	C2D-C3D	9.23	1.46	1.34
31	MK	202	PEB	C2D-C3D	9.23	1.46	1.34
31	F1	202	PEB	C2D-C3D	9.23	1.46	1.34
31	D6	1002	PEB	C2D-C3D	9.23	1.46	1.34
31	PD	201	PEB	C2D-C3D	9.23	1.46	1.34
31	XH	202	PEB	C2D-C3D	9.23	1.46	1.34
31	OK	201	PEB	C2D-C3D	9.22	1.46	1.34
31	V1	202	PEB	C2D-C3D	9.22	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	S4	202	PEB	C2D-C3D	9.22	1.46	1.34
31	SC	201	PEB	C2D-C3D	9.22	1.46	1.34
31	KJ	202	PEB	C2D-C3D	9.22	1.46	1.34
31	I4	203	PEB	C2D-C3D	9.22	1.46	1.34
31	H8	202	PEB	C2D-C3D	9.22	1.46	1.34
31	Z6	202	PEB	C2D-C3D	9.22	1.46	1.34
31	ID	202	PEB	C2D-C3D	9.22	1.46	1.34
31	iH	202	PEB	C2D-C3D	9.22	1.46	1.34
31	H6	1002	PEB	C2D-C3D	9.22	1.46	1.34
31	ZD	202	PEB	C2D-C3D	9.21	1.46	1.34
31	R8	201	PEB	C2D-C3D	9.21	1.46	1.34
31	a8	202	PEB	C2D-C3D	9.21	1.46	1.34
31	J5	202	PEB	C2D-C3D	9.21	1.46	1.34
31	l2	201	PEB	C2D-C3D	9.21	1.46	1.34
31	ZE	203	PEB	C2D-C3D	9.21	1.46	1.34
31	D8	201	PEB	C2D-C3D	9.21	1.46	1.34
31	A1	202	PEB	C2D-C3D	9.21	1.46	1.34
31	E7	201	PEB	C2D-C3D	9.21	1.46	1.34
31	J1	202	PEB	C2D-C3D	9.20	1.46	1.34
31	YE	202	PEB	C2D-C3D	9.20	1.46	1.34
31	fB	202	PEB	C2D-C3D	9.20	1.46	1.34
31	VE	201	PEB	C2D-C3D	9.20	1.46	1.34
31	U9	202	PEB	C2D-C3D	9.20	1.46	1.34
31	O4	201	PEB	C2D-C3D	9.20	1.46	1.34
31	hF	202	PEB	C2D-C3D	9.20	1.46	1.34
31	JF	202	PEB	C2D-C3D	9.19	1.46	1.34
31	WE	203	PEB	C2D-C3D	9.19	1.46	1.34
31	R1	203	PEB	C2D-C3D	9.19	1.46	1.34
31	Y9	201	PEB	C2D-C3D	9.19	1.46	1.34
31	lH	203	PEB	C2D-C3D	9.19	1.46	1.34
31	aH	201	PEB	C2D-C3D	9.19	1.46	1.34
31	aB	202	PEB	C2D-C3D	9.19	1.46	1.34
31	MK	201	PEB	C2D-C3D	9.19	1.46	1.34
31	ND	201	PEB	C2D-C3D	9.18	1.46	1.34
31	KD	201	PEB	C2D-C3D	9.18	1.46	1.34
31	ZE	201	PEB	C2D-C3D	9.18	1.46	1.34
31	H5	202	PEB	C2D-C3D	9.18	1.46	1.34
31	H9	202	PEB	C2D-C3D	9.18	1.46	1.34
31	MI	305	PEB	C2D-C3D	9.18	1.46	1.34
31	T6	201	PEB	C2D-C3D	9.18	1.46	1.34
31	iF	201	PEB	C2D-C3D	9.18	1.46	1.34
31	IG	201	PEB	C2D-C3D	9.17	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	O6	201	PEB	C2D-C3D	9.17	1.46	1.34
31	JG	201	PEB	C2D-C3D	9.17	1.46	1.34
31	M7	202	PEB	C2D-C3D	9.17	1.46	1.34
31	N8	202	PEB	C2D-C3D	9.17	1.46	1.34
31	LF	201	PEB	C2D-C3D	9.17	1.46	1.34
31	SG	202	PEB	C2D-C3D	9.17	1.46	1.34
31	OC	203	PEB	C2D-C3D	9.17	1.46	1.34
31	i8	201	PEB	C2D-C3D	9.17	1.46	1.34
31	Y7	504	PEB	C2D-C3D	9.17	1.46	1.34
31	L9	201	PEB	C2D-C3D	9.17	1.46	1.34
31	LA	201	PEB	C2D-C3D	9.17	1.46	1.34
31	EA	501	PEB	C2D-C3D	9.17	1.46	1.34
31	G4	203	PEB	C2D-C3D	9.17	1.46	1.34
31	QA	204	PEB	C2D-C3D	9.17	1.46	1.34
31	WD	203	PEB	C2D-C3D	9.17	1.46	1.34
31	XF	201	PEB	C2D-C3D	9.16	1.46	1.34
31	I1	201	PEB	C2D-C3D	9.16	1.46	1.34
31	YG	202	PEB	C2D-C3D	9.16	1.46	1.34
31	dC	202	PEB	C2D-C3D	9.16	1.46	1.34
31	OC	201	PEB	C2D-C3D	9.16	1.46	1.34
31	RF	201	PEB	C2D-C3D	9.16	1.46	1.34
31	kE	202	PEB	C2D-C3D	9.16	1.46	1.34
31	sF	201	PEB	C2D-C3D	9.16	1.46	1.34
31	DH	201	PEB	C2D-C3D	9.16	1.46	1.34
31	GH	202	PEB	C2D-C3D	9.16	1.46	1.34
31	W9	202	PEB	C2D-C3D	9.16	1.46	1.34
31	V2	201	PEB	C2D-C3D	9.16	1.46	1.34
31	kC	203	PEB	C2D-C3D	9.15	1.46	1.34
31	RA	202	PEB	C2D-C3D	9.15	1.46	1.34
31	YB	201	PEB	C2D-C3D	9.15	1.46	1.34
31	DF	202	PEB	C2D-C3D	9.15	1.46	1.34
31	FH	201	PEB	C2D-C3D	9.15	1.46	1.34
31	B8	202	PEB	C2D-C3D	9.15	1.46	1.34
31	jF	201	PEB	C2D-C3D	9.15	1.46	1.34
31	TH	202	PEB	C2D-C3D	9.15	1.46	1.34
31	NK	202	PEB	C2D-C3D	9.15	1.46	1.34
31	GG	202	PEB	C2D-C3D	9.15	1.46	1.34
31	eH	202	PEB	C2D-C3D	9.15	1.46	1.34
31	D9	201	PEB	C2D-C3D	9.15	1.46	1.34
31	gB	202	PEB	C2D-C3D	9.15	1.46	1.34
31	dD	201	PEB	C2D-C3D	9.15	1.46	1.34
31	RB	202	PEB	C2D-C3D	9.14	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	YK	302	PEB	C2D-C3D	9.14	1.46	1.34
31	D1	202	PEB	C2D-C3D	9.14	1.46	1.34
31	RH	201	PEB	C2D-C3D	9.14	1.46	1.34
31	hE	201	PEB	C2D-C3D	9.14	1.46	1.34
31	U4	201	PEB	C2D-C3D	9.14	1.46	1.34
31	VJ	201	PEB	C2D-C3D	9.14	1.46	1.34
31	O2	203	PEB	C2D-C3D	9.14	1.46	1.34
31	P6	203	PEB	C2D-C3D	9.14	1.46	1.34
31	j6	202	PEB	C2D-C3D	9.14	1.46	1.34
31	dA	202	PEB	C2D-C3D	9.14	1.46	1.34
31	XA	201	PEB	C2D-C3D	9.14	1.46	1.34
31	YD	201	PEB	C2D-C3D	9.14	1.46	1.34
31	WG	201	PEB	C2D-C3D	9.14	1.46	1.34
31	P1	201	PEB	C2D-C3D	9.14	1.46	1.34
31	cH	201	PEB	C2D-C3D	9.14	1.46	1.34
31	TG	202	PEB	C2D-C3D	9.14	1.46	1.34
31	C4	202	PEB	C2D-C3D	9.14	1.46	1.34
31	eA	201	PEB	C2D-C3D	9.14	1.46	1.34
31	j4	203	PEB	C2D-C3D	9.14	1.46	1.34
31	E5	202	PEB	C2D-C3D	9.14	1.46	1.34
31	HB	1002	PEB	C2D-C3D	9.13	1.46	1.34
31	BA	201	PEB	C2D-C3D	9.13	1.46	1.34
31	I4	202	PEB	C2D-C3D	9.13	1.46	1.34
31	R7	201	PEB	C2D-C3D	9.13	1.46	1.34
31	eB	201	PEB	C2D-C3D	9.13	1.46	1.34
31	RK	203	PEB	C2D-C3D	9.13	1.46	1.34
31	R1	202	PEB	C2D-C3D	9.13	1.46	1.34
31	Y6	201	PEB	C2D-C3D	9.13	1.46	1.34
31	D7	201	PEB	C2D-C3D	9.13	1.46	1.34
31	eH	201	PEB	C2D-C3D	9.13	1.46	1.34
31	UH	202	PEB	C2D-C3D	9.13	1.46	1.34
31	F9	201	PEB	C2D-C3D	9.13	1.46	1.34
31	lE	202	PEB	C2D-C3D	9.13	1.46	1.34
31	TB	202	PEB	C2D-C3D	9.13	1.46	1.34
31	T6	202	PEB	C2D-C3D	9.13	1.46	1.34
31	aE	202	PEB	C2D-C3D	9.13	1.46	1.34
31	L8	201	PEB	C2D-C3D	9.13	1.46	1.34
31	IJ	201	PEB	C2D-C3D	9.13	1.46	1.34
31	PG	201	PEB	C2D-C3D	9.12	1.46	1.34
31	O1	201	PEB	C2D-C3D	9.12	1.46	1.34
31	VB	202	PEB	C2D-C3D	9.12	1.46	1.34
31	VC	201	PEB	C2D-C3D	9.12	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	XG	201	PEB	C2D-C3D	9.12	1.46	1.34
31	LJ	201	PEB	C2D-C3D	9.12	1.46	1.34
31	VB	201	PEB	C2D-C3D	9.12	1.46	1.34
31	VG	201	PEB	C2D-C3D	9.12	1.46	1.34
31	UG	201	PEB	C2D-C3D	9.12	1.46	1.34
31	I5	201	PEB	C2D-C3D	9.11	1.46	1.34
31	aD	202	PEB	C2D-C3D	9.11	1.46	1.34
31	G8	202	PEB	CHB-C4B	9.11	1.42	1.35
31	P1	202	PEB	C2D-C3D	9.11	1.46	1.34
31	U4	203	PEB	C2D-C3D	9.11	1.46	1.34
31	NG	201	PEB	C2D-C3D	9.11	1.46	1.34
31	PK	203	PEB	C2D-C3D	9.11	1.46	1.34
31	TK	203	PEB	C2D-C3D	9.11	1.46	1.34
31	jH	203	PEB	C2D-C3D	9.11	1.46	1.34
31	T1	203	PEB	C2D-C3D	9.11	1.46	1.34
31	W4	202	PEB	C2D-C3D	9.11	1.46	1.34
31	N4	201	PEB	C2D-C3D	9.11	1.46	1.34
31	yF	301	PEB	C2D-C3D	9.11	1.46	1.34
31	ZD	201	PEB	C2D-C3D	9.11	1.46	1.34
31	OH	202	PEB	C2D-C3D	9.11	1.46	1.34
31	UH	201	PEB	C2D-C3D	9.11	1.46	1.34
31	L7	201	PEB	C2D-C3D	9.11	1.46	1.34
31	CG	201	PEB	C2D-C3D	9.10	1.46	1.34
31	RK	202	PEB	C2D-C3D	9.10	1.46	1.34
31	V6	201	PEB	C2D-C3D	9.10	1.46	1.34
31	fF	201	PEB	C2D-C3D	9.10	1.46	1.34
31	AG	201	PEB	C2D-C3D	9.10	1.46	1.34
31	hD	201	PEB	C2D-C3D	9.10	1.46	1.34
31	J8	201	PEB	C2D-C3D	9.10	1.46	1.34
31	L5	201	PEB	C2D-C3D	9.10	1.46	1.34
31	hC	201	PEB	C2D-C3D	9.10	1.46	1.34
31	EG	201	PEB	C2D-C3D	9.10	1.46	1.34
31	RG	201	PEB	C2D-C3D	9.10	1.46	1.34
31	LH	202	PEB	C2D-C3D	9.10	1.46	1.34
31	HJ	201	PEB	C2D-C3D	9.10	1.46	1.34
31	KE	201	PEB	C2D-C3D	9.09	1.46	1.34
31	DK	202	PEB	C2D-C3D	9.09	1.46	1.34
31	TJ	202	PEB	C2D-C3D	9.09	1.46	1.34
31	U9	203	PEB	C2D-C3D	9.09	1.46	1.34
31	J5	203	PEB	C2D-C3D	9.09	1.46	1.34
31	BF	202	PEB	C2D-C3D	9.09	1.46	1.34
31	ZH	202	PEB	C2D-C3D	9.09	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	V7	201	PEB	C2D-C3D	9.09	1.46	1.34
31	U8	201	PEB	C2D-C3D	9.09	1.46	1.34
31	cA	402	PEB	C2D-C3D	9.09	1.46	1.34
31	S4	201	PEB	C2D-C3D	9.09	1.46	1.34
31	d2	202	PEB	C2D-C3D	9.08	1.46	1.34
31	aH	204	PEB	C2D-C3D	9.08	1.46	1.34
31	BG	203	PEB	C2D-C3D	9.08	1.46	1.34
31	l6	202	PEB	C2D-C3D	9.08	1.46	1.34
31	M8	203	PEB	C2D-C3D	9.08	1.46	1.34
31	JK	202	PEB	C2D-C3D	9.08	1.46	1.34
31	WD	202	PEB	C2D-C3D	9.08	1.46	1.34
31	T5	202	PEB	C2D-C3D	9.08	1.46	1.34
31	XH	201	PEB	C2D-C3D	9.08	1.46	1.34
31	H5	201	PEB	C2D-C3D	9.08	1.46	1.34
31	E7	203	PEB	C2D-C3D	9.08	1.46	1.34
31	EF	201	PEB	C2D-C3D	9.07	1.46	1.34
31	dJ	401	PEB	C2D-C3D	9.07	1.46	1.34
31	U4	202	PEB	C2D-C3D	9.07	1.46	1.34
31	aH	202	PEB	C2D-C3D	9.07	1.46	1.34
31	HE	1002	PEB	C2D-C3D	9.07	1.46	1.34
31	NE	201	PEB	C2D-C3D	9.07	1.46	1.34
31	NK	201	PEB	C2D-C3D	9.07	1.46	1.34
31	l4	202	PEB	C2D-C3D	9.07	1.46	1.34
31	I7	201	PEB	C2D-C3D	9.07	1.46	1.34
31	DF	201	PEB	C2D-C3D	9.07	1.46	1.34
31	GH	201	PEB	C2D-C3D	9.06	1.46	1.34
31	h8	202	PEB	C2D-C3D	9.06	1.46	1.34
31	KG	202	PEB	C2D-C3D	9.06	1.46	1.34
31	NH	202	PEB	C2D-C3D	9.06	1.46	1.34
31	VF	201	PEB	C2D-C3D	9.06	1.46	1.34
31	GF	202	PEB	CHB-C4B	9.06	1.42	1.35
31	DC	1002	PEB	C2D-C3D	9.06	1.46	1.34
31	S8	201	PEB	C2D-C3D	9.06	1.46	1.34
31	HD	1002	PEB	C2D-C3D	9.06	1.46	1.34
31	SD	202	PEB	C2D-C3D	9.06	1.46	1.34
31	N1	202	PEB	C2D-C3D	9.06	1.46	1.34
31	s8	201	PEB	C2D-C3D	9.06	1.46	1.34
31	a6	202	PEB	C2D-C3D	9.06	1.46	1.34
31	A7	202	PEB	C2D-C3D	9.05	1.46	1.34
31	XA	202	PEB	C2D-C3D	9.05	1.46	1.34
31	GA	203	PEB	C2D-C3D	9.05	1.46	1.34
31	N1	201	PEB	C2D-C3D	9.05	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	V5	201	PEB	C2D-C3D	9.05	1.46	1.34
31	ZH	201	PEB	C2D-C3D	9.05	1.46	1.34
31	GA	202	PEB	C2D-C3D	9.05	1.46	1.34
31	k8	203	PEB	C2D-C3D	9.05	1.46	1.34
31	OB	201	PEB	C2D-C3D	9.05	1.46	1.34
31	JH	201	PEB	C2D-C3D	9.05	1.46	1.34
31	SH	203	PEB	C2D-C3D	9.04	1.46	1.34
31	SF	201	PEB	C2D-C3D	9.04	1.46	1.34
31	h2	202	PEB	C2D-C3D	9.04	1.46	1.34
31	b7	501	PEB	C2D-C3D	9.04	1.46	1.34
31	YE	201	PEB	C2D-C3D	9.04	1.46	1.34
31	J4	201	PEB	C2D-C3D	9.04	1.46	1.34
31	U7	203	PEB	C2D-C3D	9.04	1.46	1.34
31	IH	201	PEB	C2D-C3D	9.04	1.46	1.34
31	BG	201	PEB	C2D-C3D	9.04	1.46	1.34
31	GK	201	PEB	C2D-C3D	9.03	1.46	1.34
31	aF	202	PEB	C2D-C3D	9.03	1.46	1.34
31	lB	202	PEB	C2D-C3D	9.03	1.46	1.34
31	Q4	204	PEB	C2D-C3D	9.03	1.46	1.34
31	QC	202	PEB	C2D-C3D	9.02	1.46	1.34
31	SE	202	PEB	C2D-C3D	9.02	1.46	1.34
31	D2	1002	PEB	C2D-C3D	9.02	1.46	1.34
31	U6	202	PEB	C2D-C3D	9.02	1.46	1.34
31	w8	303	PEB	C2D-C3D	9.02	1.46	1.34
31	OE	201	PEB	C2D-C3D	9.02	1.46	1.34
31	DJ	202	PEB	C2D-C3D	9.02	1.46	1.34
31	CA	202	PEB	C2D-C3D	9.02	1.46	1.34
31	JB	1002	PEB	C2D-C3D	9.02	1.46	1.34
31	FH	202	PEB	C2D-C3D	9.02	1.46	1.34
31	Y1	302	PEB	C2D-C3D	9.02	1.46	1.34
31	PF	202	PEB	C2D-C3D	9.02	1.46	1.34
31	JF	201	PEB	C2D-C3D	9.01	1.46	1.34
31	EJ	202	PEB	C2D-C3D	9.01	1.46	1.34
31	Y7	502	PEB	C2D-C3D	9.01	1.46	1.34
31	MF	203	PEB	C2D-C3D	9.01	1.46	1.34
31	DA	201	PEB	C2D-C3D	9.01	1.46	1.34
31	e4	202	PEB	C2D-C3D	9.01	1.46	1.34
31	cA	403	PEB	C2D-C3D	9.01	1.46	1.34
31	QK	201	PEB	C2D-C3D	9.01	1.46	1.34
31	PC	201	PEB	C2D-C3D	9.01	1.46	1.34
31	NF	202	PEB	C2D-C3D	9.01	1.46	1.34
31	TK	202	PEB	C2D-C3D	9.01	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	EH	202	PEB	C2D-C3D	9.01	1.46	1.34
31	O9	203	PEB	C2D-C3D	9.01	1.46	1.34
31	PK	201	PEB	C2D-C3D	9.01	1.46	1.34
31	Q8	203	PEB	C2D-C3D	9.00	1.46	1.34
31	UF	201	PEB	C2D-C3D	9.00	1.46	1.34
31	NH	201	PEB	C2D-C3D	9.00	1.46	1.34
31	IA	203	PEB	C2D-C3D	9.00	1.46	1.34
31	WE	201	PEB	C2D-C3D	9.00	1.46	1.34
31	h4	201	PEB	C2D-C3D	9.00	1.46	1.34
31	KF	201	PEB	C2D-C3D	9.00	1.46	1.34
31	Q2	202	PEB	C2D-C3D	8.99	1.46	1.34
31	OE	202	PEB	C2D-C3D	8.99	1.46	1.34
31	MI	301	PEB	C2D-C3D	8.99	1.46	1.34
31	SA	203	PEB	C2D-C3D	8.99	1.46	1.34
31	Y4	201	PEB	C2D-C3D	8.99	1.46	1.34
31	V8	201	PEB	C2D-C3D	8.99	1.46	1.34
31	J9	203	PEB	C2D-C3D	8.99	1.46	1.34
31	QK	202	PEB	C2D-C3D	8.98	1.46	1.34
31	F4	201	PEB	C2D-C3D	8.98	1.46	1.34
31	G1	201	PEB	C2D-C3D	8.98	1.46	1.34
31	UB	202	PEB	C2D-C3D	8.98	1.46	1.34
31	TH	201	PEB	C2D-C3D	8.98	1.46	1.34
31	O7	202	PEB	C2D-C3D	8.98	1.46	1.34
31	N1	203	PEB	C2D-C3D	8.98	1.46	1.34
31	K8	201	PEB	C2D-C3D	8.98	1.46	1.34
31	UA	301	PEB	C2D-C3D	8.97	1.46	1.34
31	wF	303	PEB	C2D-C3D	8.97	1.46	1.34
31	V6	202	PEB	C2D-C3D	8.97	1.46	1.34
31	NK	203	PEB	C2D-C3D	8.97	1.46	1.34
31	S1	201	PEB	C2D-C3D	8.97	1.46	1.34
31	T1	202	PEB	C2D-C3D	8.97	1.46	1.34
31	Q1	201	PEB	C2D-C3D	8.97	1.46	1.34
31	a6	201	PEB	C2D-C3D	8.96	1.46	1.34
31	SK	201	PEB	C2D-C3D	8.96	1.46	1.34
31	Z6	201	PEB	C2D-C3D	8.96	1.46	1.34
31	TK	201	PEB	C2D-C3D	8.96	1.46	1.34
31	K4	201	PEB	C2D-C3D	8.96	1.46	1.34
31	cF	203	PEB	C2D-C3D	8.96	1.46	1.34
31	RJ	203	PEB	C2D-C3D	8.96	1.46	1.34
31	X1	201	PEB	C2D-C3D	8.96	1.46	1.34
31	PK	202	PEB	C2D-C3D	8.96	1.46	1.34
31	OD	202	PEB	C2D-C3D	8.95	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	F2	1002	PEB	C2D-C3D	8.95	1.46	1.34
31	FC	1002	PEB	C2D-C3D	8.95	1.46	1.34
31	J9	202	PEB	C2D-C3D	8.95	1.46	1.34
31	P2	201	PEB	C2D-C3D	8.94	1.46	1.34
31	OG	201	PEB	C2D-C3D	8.94	1.46	1.34
31	jB	202	PEB	C2D-C3D	8.94	1.46	1.34
31	N8	201	PEB	C2D-C3D	8.94	1.46	1.34
31	I8	201	PEB	C2D-C3D	8.94	1.46	1.34
31	kF	203	PEB	C2D-C3D	8.94	1.46	1.34
31	HG	201	PEB	C2D-C3D	8.94	1.46	1.34
31	R5	203	PEB	C2D-C3D	8.94	1.46	1.34
31	EH	203	PEB	C2D-C3D	8.93	1.46	1.34
31	W4	201	PEB	C2D-C3D	8.93	1.46	1.34
31	B9	203	PEB	C2D-C3D	8.93	1.46	1.34
31	DH	202	PEB	C2D-C3D	8.93	1.46	1.34
31	OD	201	PEB	C2D-C3D	8.93	1.46	1.34
31	WG	202	PEB	C2D-C3D	8.93	1.46	1.34
31	CH	203	PEB	C2D-C3D	8.93	1.46	1.34
31	H8	201	PEB	C2D-C3D	8.93	1.46	1.34
31	f2	201	PEB	C2D-C3D	8.92	1.46	1.34
31	TF	201	PEB	C2D-C3D	8.92	1.46	1.34
31	DK	201	PEB	C2D-C3D	8.92	1.46	1.34
31	D1	201	PEB	C2D-C3D	8.92	1.46	1.34
31	L4	201	PEB	C2D-C3D	8.92	1.46	1.34
31	D5	202	PEB	C2D-C3D	8.92	1.46	1.34
31	fC	201	PEB	C2D-C3D	8.92	1.46	1.34
31	Q1	202	PEB	C2D-C3D	8.92	1.46	1.34
31	ZB	201	PEB	C2D-C3D	8.92	1.46	1.34
31	e1	301	PEB	C2D-C3D	8.92	1.46	1.34
31	d5	401	PEB	C2D-C3D	8.92	1.46	1.34
31	XK	201	PEB	C2D-C3D	8.92	1.46	1.34
31	N9	201	PEB	C2D-C3D	8.91	1.46	1.34
31	WE	202	PEB	C2D-C3D	8.91	1.46	1.34
31	T8	201	PEB	C2D-C3D	8.91	1.46	1.34
31	WD	201	PEB	C2D-C3D	8.91	1.46	1.34
31	Y4	203	PEB	C2D-C3D	8.91	1.46	1.34
31	J7	201	PEB	C2D-C3D	8.91	1.46	1.34
31	R9	202	PEB	C2D-C3D	8.91	1.46	1.34
31	R1	201	PEB	C2D-C3D	8.91	1.46	1.34
31	SA	201	PEB	C2D-C3D	8.91	1.46	1.34
31	VC	203	PEB	C2D-C3D	8.91	1.46	1.34
31	T9	202	PEB	C2D-C3D	8.90	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	M9	302	PEB	C2D-C3D	8.90	1.46	1.34
31	W7	201	PEB	C3C-C4C	8.90	1.56	1.42
31	HA	203	PEB	C2D-C3D	8.90	1.46	1.34
31	YH	201	PEB	C2D-C3D	8.90	1.46	1.34
31	C4	203	PEB	C2D-C3D	8.90	1.46	1.34
31	Q7	203	PEB	C2D-C3D	8.90	1.46	1.34
31	N9	202	PEB	C2D-C3D	8.90	1.46	1.34
31	NF	201	PEB	C2D-C3D	8.90	1.46	1.34
31	OH	201	PEB	C2D-C3D	8.89	1.46	1.34
31	G8	202	PEB	C2D-C3D	8.89	1.46	1.34
31	J6	1002	PEB	C2D-C3D	8.89	1.46	1.34
31	Q9	203	PEB	C2D-C3D	8.89	1.46	1.34
31	b7	503	PEB	C2D-C3D	8.89	1.46	1.34
31	E8	201	PEB	C2D-C3D	8.89	1.46	1.34
31	IJ	202	PEB	C2D-C3D	8.89	1.46	1.34
31	E9	202	PEB	C2D-C3D	8.89	1.46	1.34
31	F9	203	PEB	C2D-C3D	8.89	1.46	1.34
31	Z9	302	PEB	C2D-C3D	8.89	1.46	1.34
31	W7	202	PEB	C2D-C3D	8.88	1.46	1.34
31	SH	201	PEB	C2D-C3D	8.88	1.46	1.34
31	A7	201	PEB	C2D-C3D	8.88	1.46	1.34
31	IA	201	PEB	C2D-C3D	8.88	1.46	1.34
31	AH	302	PEB	C2D-C3D	8.88	1.46	1.34
31	X9	201	PEB	C2D-C3D	8.88	1.46	1.34
31	G9	202	PEB	C2D-C3D	8.87	1.46	1.34
31	O9	201	PEB	C2D-C3D	8.87	1.46	1.34
31	X8	203	PEB	C2D-C3D	8.87	1.46	1.34
31	IF	201	PEB	C2D-C3D	8.87	1.46	1.34
31	V9	201	PEB	C2D-C3D	8.87	1.46	1.34
31	I5	202	PEB	C2D-C3D	8.87	1.45	1.34
31	UB	201	PEB	C2D-C3D	8.87	1.45	1.34
31	aB	201	PEB	C2D-C3D	8.87	1.45	1.34
31	U6	201	PEB	C2D-C3D	8.87	1.45	1.34
31	P8	202	PEB	C2D-C3D	8.86	1.45	1.34
31	DD	1002	PEB	C2D-C3D	8.86	1.45	1.34
31	GD	202	PEB	C2D-C3D	8.86	1.45	1.34
31	I8	203	PEB	C2D-C3D	8.86	1.45	1.34
31	R9	201	PEB	C2D-C3D	8.86	1.45	1.34
31	I9	201	PEB	C2D-C3D	8.86	1.45	1.34
31	C9	202	PEB	C2D-C3D	8.86	1.45	1.34
31	V9	202	PEB	C2D-C3D	8.86	1.45	1.34
31	P9	202	PEB	C2D-C3D	8.86	1.45	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Q9	201	PEB	C2D-C3D	8.86	1.45	1.34
31	E9	201	PEB	C2D-C3D	8.85	1.45	1.34
31	X9	202	PEB	C2D-C3D	8.85	1.45	1.34
31	OH	203	PEB	C2D-C3D	8.85	1.45	1.34
31	QC	201	PEB	C2D-C3D	8.85	1.45	1.34
31	G7	201	PEB	C2D-C3D	8.85	1.45	1.34
31	RK	201	PEB	C2D-C3D	8.85	1.45	1.34
31	A9	202	PEB	C2D-C3D	8.85	1.45	1.34
31	M4	201	PEB	C2D-C3D	8.85	1.45	1.34
31	I9	202	PEB	C2D-C3D	8.85	1.45	1.34
31	T1	201	PEB	C2D-C3D	8.84	1.45	1.34
31	K4	203	PEB	C2D-C3D	8.84	1.45	1.34
31	K9	202	PEB	C2D-C3D	8.84	1.45	1.34
31	G9	201	PEB	C2D-C3D	8.84	1.45	1.34
31	XF	203	PEB	C2D-C3D	8.84	1.45	1.34
31	K9	201	PEB	C2D-C3D	8.84	1.45	1.34
31	HA	201	PEB	C2D-C3D	8.83	1.45	1.34
31	S8	202	PEB	C2D-C3D	8.83	1.45	1.34
31	c8	203	PEB	C2D-C3D	8.83	1.45	1.34
31	O8	202	PEB	C2D-C3D	8.83	1.45	1.34
31	C9	201	PEB	C2D-C3D	8.83	1.45	1.34
31	LE	1002	PEB	C2D-C3D	8.83	1.45	1.34
31	SK	202	PEB	C2D-C3D	8.83	1.45	1.34
31	C4	201	PEB	C2D-C3D	8.83	1.45	1.34
31	G7	201	PEB	C3C-C4C	8.83	1.55	1.42
31	K7	201	PEB	C2D-C3D	8.83	1.45	1.34
31	P9	201	PEB	C2D-C3D	8.82	1.45	1.34
31	LG	202	PEB	C2D-C3D	8.82	1.45	1.34
31	t8	203	PEB	C2D-C3D	8.81	1.45	1.34
31	T9	201	PEB	C2D-C3D	8.80	1.45	1.34
31	L5	202	PEB	C2D-C3D	8.80	1.45	1.34
31	LD	1002	PEB	C2D-C3D	8.79	1.45	1.34
31	L9	203	PEB	C2D-C3D	8.79	1.45	1.34
31	W4	203	PEB	C2D-C3D	8.79	1.45	1.34
31	V2	203	PEB	C2D-C3D	8.79	1.45	1.34
31	DA	202	PEB	C2D-C3D	8.79	1.45	1.34
31	BF	201	PEB	C2D-C3D	8.79	1.45	1.34
31	J9	201	PEB	C2D-C3D	8.79	1.45	1.34
31	GH	203	PEB	C2D-C3D	8.78	1.45	1.34
31	QA	202	PEB	C2D-C3D	8.78	1.45	1.34
31	IF	203	PEB	C2D-C3D	8.78	1.45	1.34
31	F8	201	PEB	C2D-C3D	8.77	1.45	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A9	201	PEB	C2D-C3D	8.77	1.45	1.34
31	LJ	202	PEB	C2D-C3D	8.77	1.45	1.34
31	JE	201	PEB	C2D-C3D	8.77	1.45	1.34
31	GF	202	PEB	C2D-C3D	8.77	1.45	1.34
31	HF	201	PEB	C2D-C3D	8.77	1.45	1.34
31	KG	201	PEB	C2D-C3D	8.77	1.45	1.34
31	S1	202	PEB	C2D-C3D	8.76	1.45	1.34
31	OB	202	PEB	C2D-C3D	8.76	1.45	1.34
31	BJ	201	PEB	C2D-C3D	8.76	1.45	1.34
31	Q2	201	PEB	C2D-C3D	8.76	1.45	1.34
31	fH	203	PEB	C2D-C3D	8.76	1.45	1.34
31	OF	202	PEB	C2D-C3D	8.76	1.45	1.34
31	S6	202	PEB	C2D-C3D	8.75	1.45	1.34
31	M4	202	PEB	C2D-C3D	8.75	1.45	1.34
31	TD	201	PEB	C2D-C3D	8.75	1.45	1.34
31	W6	201	PEB	C2D-C3D	8.75	1.45	1.34
31	b7	502	PEB	C2D-C3D	8.74	1.45	1.34
31	RF	202	PEB	C2D-C3D	8.74	1.45	1.34
31	FF	201	PEB	C2D-C3D	8.74	1.45	1.34
31	EH	201	PEB	C2D-C3D	8.74	1.45	1.34
31	MH	201	PEB	C2D-C3D	8.74	1.45	1.34
31	SF	202	PEB	C2D-C3D	8.73	1.45	1.34
31	O8	201	PEB	C2D-C3D	8.73	1.45	1.34
31	KH	203	PEB	C2D-C3D	8.72	1.45	1.34
31	LH	201	PEB	C2D-C3D	8.72	1.45	1.34
31	A7	203	PEB	C2D-C3D	8.72	1.45	1.34
31	UA	303	PEB	C2D-C3D	8.72	1.45	1.34
31	HH	201	PEB	C2D-C3D	8.72	1.45	1.34
31	NA	202	PEB	C2D-C3D	8.72	1.45	1.34
31	S7	201	PEB	C2D-C3D	8.72	1.45	1.34
31	TE	201	PEB	C2D-C3D	8.71	1.45	1.34
31	B8	201	PEB	C2D-C3D	8.71	1.45	1.34
31	S9	203	PEB	C2D-C3D	8.71	1.45	1.34
31	K4	202	PEB	C2D-C3D	8.71	1.45	1.34
31	WB	201	PEB	C2D-C3D	8.71	1.45	1.34
31	hH	203	PEB	C2D-C3D	8.71	1.45	1.34
31	uF	201	PEB	C2D-C3D	8.71	1.45	1.34
31	SB	201	PEB	C2D-C3D	8.71	1.45	1.34
31	AH	301	PEB	C2D-C3D	8.71	1.45	1.34
31	M7	203	PEB	C3C-C4C	8.70	1.55	1.42
31	T2	201	PEB	C2D-C3D	8.70	1.45	1.34
31	K7	202	PEB	C2D-C3D	8.70	1.45	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	FG	201	PEB	C2D-C3D	8.70	1.45	1.34
31	IH	203	PEB	C2D-C3D	8.69	1.45	1.34
31	JA	202	PEB	C2D-C3D	8.69	1.45	1.34
31	DE	1002	PEB	C2D-C3D	8.69	1.45	1.34
31	O6	202	PEB	C2D-C3D	8.69	1.45	1.34
31	R8	202	PEB	C2D-C3D	8.69	1.45	1.34
31	W7	201	PEB	C2D-C3D	8.68	1.45	1.34
31	QA	201	PEB	C2D-C3D	8.67	1.45	1.34
31	U1	201	PEB	C2D-C3D	8.67	1.45	1.34
31	TA	202	PEB	C2D-C3D	8.66	1.45	1.34
31	IH	202	PEB	C2D-C3D	8.66	1.45	1.34
31	TF	202	PEB	C2D-C3D	8.66	1.45	1.34
31	OA	201	PEB	C2D-C3D	8.66	1.45	1.34
31	I7	203	PEB	C3C-C4C	8.65	1.55	1.42
31	YH	202	PEB	C2D-C3D	8.65	1.45	1.34
31	O7	201	PEB	C2D-C3D	8.65	1.45	1.34
31	SA	202	PEB	C2D-C3D	8.65	1.45	1.34
31	UK	201	PEB	C2D-C3D	8.64	1.45	1.34
31	WH	201	PEB	C2D-C3D	8.64	1.45	1.34
31	T8	202	PEB	C2D-C3D	8.64	1.45	1.34
31	U7	203	PEB	C3C-C4C	8.64	1.55	1.42
31	Y9	203	PEB	C2D-C3D	8.62	1.45	1.34
31	KH	201	PEB	C2D-C3D	8.61	1.45	1.34
31	LG	201	PEB	C2D-C3D	8.60	1.45	1.34
31	F8	202	PEB	C2D-C3D	8.59	1.45	1.34
31	OF	201	PEB	C2D-C3D	8.59	1.45	1.34
31	E7	203	PEB	C3C-C4C	8.59	1.55	1.42
31	A7	203	PEB	C3C-C4C	8.57	1.55	1.42
31	B5	201	PEB	C2D-C3D	8.56	1.45	1.34
31	K7	201	PEB	C3C-C4C	8.55	1.55	1.42
31	CH	201	PEB	C2D-C3D	8.54	1.45	1.34
31	TC	201	PEB	C2D-C3D	8.54	1.45	1.34
31	B9	201	PEB	C2D-C3D	8.53	1.45	1.34
31	KH	202	PEB	C2D-C3D	8.53	1.45	1.34
31	Y7	503	PEB	C2D-C3D	8.53	1.45	1.34
31	TG	201	PEB	C2D-C3D	8.53	1.45	1.34
31	NA	201	PEB	C2D-C3D	8.53	1.45	1.34
31	IH	202	PEB	C2D-C3D	8.53	1.45	1.34
31	TA	201	PEB	C2D-C3D	8.52	1.45	1.34
31	Q7	203	PEB	C3C-C4C	8.52	1.55	1.42
31	JA	201	PEB	C2D-C3D	8.51	1.45	1.34
31	WH	202	PEB	C2D-C3D	8.51	1.45	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	DF	203	PEB	C2D-C3D	8.51	1.45	1.34
31	aA	201	PEB	C2D-C3D	8.51	1.45	1.34
31	KA	302	PEB	C2D-C3D	8.49	1.45	1.34
31	WH	203	PEB	C2D-C3D	8.46	1.45	1.34
31	X8	202	PEB	C2D-C3D	8.46	1.45	1.34
31	BA	202	PEB	C2D-C3D	8.45	1.45	1.34
31	CH	202	PEB	C2D-C3D	8.45	1.45	1.34
31	D8	203	PEB	C2D-C3D	8.45	1.45	1.34
31	Y7	501	PEB	C2D-C3D	8.44	1.45	1.34
31	F5	201	PEB	C2D-C3D	8.43	1.45	1.34
31	FF	202	PEB	C2D-C3D	8.43	1.45	1.34
31	XF	202	PEB	C2D-C3D	8.43	1.45	1.34
31	S9	201	PEB	C2D-C3D	8.41	1.45	1.34
31	WA	401	PEB	C2D-C3D	8.41	1.45	1.34
31	AG	203	PEB	C2D-C3D	8.41	1.45	1.34
31	SG	201	PEB	C2D-C3D	8.39	1.45	1.34
31	L2	1002	PEB	C2D-C3D	8.38	1.45	1.34
31	LF	202	PEB	C2D-C3D	8.37	1.45	1.34
31	FJ	201	PEB	C2D-C3D	8.37	1.45	1.34
31	S7	201	PEB	C3C-C4C	8.37	1.55	1.42
31	IA	202	PEB	C2D-C3D	8.36	1.45	1.34
31	dA	201	PEB	C2D-C3D	8.35	1.45	1.34
31	MA	201	PEB	C2D-C3D	8.35	1.45	1.34
31	J5	201	PEB	C2D-C3D	8.34	1.45	1.34
31	KA	304	PEB	C2D-C3D	8.34	1.45	1.34
31	M4	203	PEB	C2D-C3D	8.32	1.45	1.34
31	NA	203	PEB	C2D-C3D	8.31	1.45	1.34
31	M7	203	PEB	C2D-C3D	8.30	1.45	1.34
31	LC	1002	PEB	C2D-C3D	8.30	1.45	1.34
31	W1	201	PEB	C2D-C3D	8.28	1.45	1.34
31	KA	301	PEB	C2D-C3D	8.28	1.45	1.34
31	JJ	201	PEB	C2D-C3D	8.28	1.45	1.34
31	GG	201	PEB	C2D-C3D	8.26	1.45	1.34
31	I7	203	PEB	C2D-C3D	8.26	1.45	1.34
31	ZG	401	PEB	C2D-C3D	8.26	1.45	1.34
31	TJ	201	PEB	C2D-C3D	8.26	1.45	1.34
31	MH	202	PEB	C2D-C3D	8.25	1.45	1.34
31	T5	201	PEB	C2D-C3D	8.25	1.45	1.34
31	WK	201	PEB	C2D-C3D	8.25	1.45	1.34
31	L8	202	PEB	C2D-C3D	8.23	1.45	1.34
31	C7	201	PEB	C2D-C3D	8.22	1.45	1.34
31	DA	203	PEB	C2D-C3D	8.22	1.45	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	G8	201	PEB	C2D-C3D	8.20	1.45	1.34
31	DJ	201	PEB	C2D-C3D	8.18	1.45	1.34
31	GF	201	PEB	C2D-C3D	8.18	1.45	1.34
31	C7	201	PEB	C3C-C4C	8.18	1.54	1.42
31	D5	201	PEB	C2D-C3D	8.18	1.45	1.34
31	OG	202	PEB	C2D-C3D	8.17	1.45	1.34
31	O7	201	PEB	C3C-C4C	8.17	1.54	1.42
31	YG	201	PEB	C2D-C3D	8.15	1.45	1.34
31	F9	202	PEB	C2D-C3D	8.08	1.44	1.34
31	YH	203	PEB	C2D-C3D	8.06	1.44	1.34
31	FA	201	PEB	C2D-C3D	8.05	1.44	1.34
31	HG	203	PEB	C2D-C3D	8.05	1.44	1.34
31	NG	203	PEB	C2D-C3D	8.00	1.44	1.34
31	RG	203	PEB	C2D-C3D	7.97	1.44	1.34
31	IG	203	PEB	C2D-C3D	7.81	1.44	1.34
31	b8	202	PEB	C3C-C4C	7.71	1.54	1.42
31	BG	202	PEB	C2D-C3D	7.60	1.44	1.34
31	f8	202	PEB	C3C-C4C	7.60	1.53	1.42
31	fF	202	PEB	C3C-C4C	7.59	1.53	1.42
31	bF	202	PEB	C3C-C4C	7.59	1.53	1.42
31	BJ	203	PEB	C2D-C3D	7.54	1.44	1.34
31	B5	203	PEB	C2D-C3D	7.52	1.44	1.34
31	MH	203	PEB	C2D-C3D	7.42	1.44	1.34
31	Y1	303	PEB	C3C-C4C	7.42	1.53	1.42
31	YK	303	PEB	C3C-C4C	7.40	1.53	1.42
31	PF	202	PEB	C3C-C4C	7.40	1.53	1.42
31	P8	202	PEB	C3C-C4C	7.38	1.53	1.42
31	NF	202	PEB	C3C-C4C	7.31	1.53	1.42
31	N8	202	PEB	C3C-C4C	7.18	1.53	1.42
31	JA	202	PEB	C3C-C4C	6.91	1.52	1.42
31	T8	202	PEB	C3C-C4C	6.89	1.52	1.42
31	TA	202	PEB	C3C-C4C	6.88	1.52	1.42
31	dF	202	PEB	C3C-C4C	6.86	1.52	1.42
31	TF	202	PEB	C3C-C4C	6.84	1.52	1.42
31	JF	202	PEB	C3C-C4C	6.79	1.52	1.42
31	HA	201	PEB	C3C-C4C	6.75	1.52	1.42
31	VG	203	PEB	C2D-C3D	6.73	1.43	1.34
31	J8	202	PEB	C3C-C4C	6.72	1.52	1.42
31	d8	202	PEB	C3C-C4C	6.72	1.52	1.42
31	rF	202	PEB	C3C-C4C	6.68	1.52	1.42
31	r8	202	PEB	C3C-C4C	6.61	1.52	1.42
31	XA	202	PEB	C3C-C4C	6.58	1.52	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	VA	201	PEB	C3C-C4C	6.55	1.52	1.42
31	ZF	202	PEB	C3C-C4C	6.50	1.52	1.42
31	D5	203	PEB	C3C-C4C	6.47	1.52	1.42
31	XF	203	PEB	C3C-C4C	6.43	1.52	1.42
31	Z8	202	PEB	C3C-C4C	6.42	1.52	1.42
31	ZA	203	PEB	C3C-C4C	6.42	1.52	1.42
33	x3	1001	CYC	CHB-C1B	6.42	1.53	1.38
31	DJ	203	PEB	C3C-C4C	6.40	1.52	1.42
33	V3	1001	CYC	CHB-C1B	6.38	1.53	1.38
31	UI	204	PEB	C3B-C2B	6.38	1.50	1.36
31	sF	203	PEB	C3B-C2B	6.38	1.50	1.36
31	s8	203	PEB	C3B-C2B	6.38	1.50	1.36
31	X8	203	PEB	C3C-C4C	6.37	1.52	1.42
31	B8	202	PEB	C3C-C4C	6.37	1.52	1.42
31	F4	201	PEB	C3C-C4C	6.35	1.52	1.42
31	H4	201	PEB	C3C-C4C	6.33	1.51	1.42
31	gA	203	PEB	C3C-C4C	6.31	1.51	1.42
31	SI	201	PEB	C3C-C4C	6.30	1.51	1.42
31	n8	202	PEB	C3C-C4C	6.30	1.51	1.42
31	BF	202	PEB	C3C-C4C	6.30	1.51	1.42
31	ZF	201	PEB	C3B-C2B	6.27	1.50	1.36
31	FJ	203	PEB	C3B-C2B	6.24	1.50	1.36
31	F5	203	PEB	C3B-C2B	6.23	1.50	1.36
31	QA	201	PEB	C3C-C4C	6.22	1.51	1.42
31	nF	202	PEB	C3C-C4C	6.21	1.51	1.42
31	LE	1002	PEB	C3C-C4C	6.20	1.51	1.42
31	i8	201	PEB	C3B-C2B	6.20	1.49	1.36
31	QA	204	PEB	C3C-C4C	6.19	1.51	1.42
31	H4	202	PEB	C3B-C2B	6.19	1.49	1.36
31	ZG	401	PEB	C3B-C2B	6.19	1.49	1.36
31	Z8	201	PEB	C3B-C2B	6.18	1.49	1.36
31	i4	202	PEB	C3C-C4C	6.17	1.51	1.42
31	iF	201	PEB	C3B-C2B	6.17	1.49	1.36
31	FI	201	PEB	C3C-C4C	6.15	1.51	1.42
31	S7	203	PEB	C3C-C4C	6.15	1.51	1.42
31	LD	1002	PEB	C3C-C4C	6.14	1.51	1.42
31	dA	202	PEB	C3C-C4C	6.14	1.51	1.42
31	o8	203	PEB	C3B-C2B	6.14	1.49	1.36
31	d2	203	PEB	C3B-C2B	6.12	1.49	1.36
31	w8	303	PEB	C3B-C2B	6.12	1.49	1.36
31	k4	201	PEB	C3C-C4C	6.11	1.51	1.42
31	RF	202	PEB	C3C-C4C	6.11	1.51	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	gB	203	PEB	C3B-C2B	6.10	1.49	1.36
31	wF	303	PEB	C3B-C2B	6.09	1.49	1.36
31	dC	203	PEB	C3B-C2B	6.09	1.49	1.36
31	ZC	201	PEB	C3C-C4C	6.08	1.51	1.42
31	l2	203	PEB	C3B-C2B	6.07	1.49	1.36
31	Q9	202	PEB	C3C-C4C	6.07	1.51	1.42
31	g6	203	PEB	C3B-C2B	6.07	1.49	1.36
31	T4	201	PEB	C3C-C4C	6.06	1.51	1.42
31	FH	201	PEB	C3C-C4C	6.06	1.51	1.42
31	cH	201	PEB	C3C-C4C	6.05	1.51	1.42
31	m6	203	PEB	C3B-C2B	6.05	1.49	1.36
31	mB	203	PEB	C3B-C2B	6.05	1.49	1.36
31	dD	204	PEB	C3B-C2B	6.04	1.49	1.36
31	lC	202	PEB	C3B-C2B	6.04	1.49	1.36
31	oF	203	PEB	C3B-C2B	6.04	1.49	1.36
31	dE	204	PEB	C3B-C2B	6.04	1.49	1.36
31	l8	202	PEB	C3C-C4C	6.04	1.51	1.42
31	Z2	201	PEB	C3C-C4C	6.02	1.51	1.42
31	u8	202	PEB	C3B-C2B	6.02	1.49	1.36
31	t8	203	PEB	C3B-C2B	6.01	1.49	1.36
31	w8	303	PEB	C3C-C4C	6.01	1.51	1.42
31	R8	202	PEB	C3C-C4C	6.00	1.51	1.42
31	c8	203	PEB	C3B-C2B	5.99	1.49	1.36
33	ID	1001	CYC	C3B-C2B	5.99	1.49	1.36
33	IE	1001	CYC	C3B-C2B	5.99	1.49	1.36
31	S7	203	PEB	C3B-C2B	5.98	1.49	1.36
31	lF	202	PEB	C3C-C4C	5.98	1.51	1.42
31	IF	201	PEB	C3C-C4C	5.98	1.51	1.42
31	uF	203	PEB	C3B-C2B	5.97	1.49	1.36
31	D8	202	PEB	C3C-C4C	5.97	1.51	1.42
31	fC	202	PEB	C3B-C2B	5.97	1.49	1.36
31	Y1	301	PEB	C3B-C2B	5.96	1.49	1.36
31	RJ	203	PEB	C3B-C2B	5.96	1.49	1.36
31	AI	202	PEB	C3B-C2B	5.95	1.49	1.36
31	JH	201	PEB	C3C-C4C	5.95	1.51	1.42
31	II	202	PEB	C3B-C2B	5.95	1.49	1.36
31	HJ	203	PEB	C3C-C4C	5.95	1.51	1.42
31	P4	201	PEB	C3C-C4C	5.95	1.51	1.42
31	g8	201	PEB	C3C-C4C	5.94	1.51	1.42
32	ZI	305	PUB	C2B-C1B	5.94	1.51	1.42
31	jC	202	PEB	C3B-C2B	5.94	1.49	1.36
31	RH	201	PEB	C3C-C4C	5.94	1.51	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	N4	201	PEB	C3C-C4C	5.94	1.51	1.42
31	PI	202	PEB	C3B-C2B	5.94	1.49	1.36
31	RI	202	PEB	C3B-C2B	5.94	1.49	1.36
31	CI	202	PEB	C3B-C2B	5.93	1.49	1.36
31	cF	203	PEB	C3B-C2B	5.93	1.49	1.36
31	YK	301	PEB	C3B-C2B	5.93	1.49	1.36
31	XI	202	PEB	C3B-C2B	5.93	1.49	1.36
31	j2	202	PEB	C3B-C2B	5.93	1.49	1.36
31	TH	201	PEB	C3C-C4C	5.92	1.51	1.42
31	H5	203	PEB	C3C-C4C	5.92	1.51	1.42
31	EI	202	PEB	C3B-C2B	5.92	1.49	1.36
31	wF	303	PEB	C3C-C4C	5.92	1.51	1.42
31	lF	203	PEB	C3B-C2B	5.92	1.49	1.36
31	KI	202	PEB	C3B-C2B	5.92	1.49	1.36
31	DF	202	PEB	C3C-C4C	5.92	1.51	1.42
31	I8	201	PEB	C3C-C4C	5.92	1.51	1.42
31	jF	202	PEB	C3C-C4C	5.91	1.51	1.42
31	uF	201	PEB	C3B-C2B	5.91	1.49	1.36
31	LH	201	PEB	C3C-C4C	5.91	1.51	1.42
31	NI	202	PEB	C3B-C2B	5.91	1.49	1.36
31	NJ	202	PEB	C3C-C4C	5.91	1.51	1.42
31	g4	201	PEB	C3C-C4C	5.91	1.51	1.42
31	O2	201	PEB	C3B-C2B	5.90	1.49	1.36
31	JA	201	PEB	CHA-C1B	5.90	1.54	1.40
31	U4	203	PEB	C3B-C2B	5.90	1.49	1.36
31	U8	201	PEB	C3C-C4C	5.90	1.51	1.42
31	P5	201	PEB	C3B-C2B	5.90	1.49	1.36
31	x8	302	PEB	C3B-C2B	5.90	1.49	1.36
31	g8	202	PEB	C3C-C4C	5.90	1.51	1.42
31	TI	202	PEB	C3B-C2B	5.89	1.49	1.36
31	aF	201	PEB	C3B-C2B	5.89	1.49	1.36
31	VI	202	PEB	C3B-C2B	5.89	1.49	1.36
31	t8	202	PEB	C3C-C4C	5.89	1.51	1.42
31	gH	201	PEB	C3C-C4C	5.89	1.51	1.42
31	TA	201	PEB	CHA-C1B	5.89	1.54	1.40
31	aC	202	PEB	C3C-C4C	5.89	1.51	1.42
31	gF	201	PEB	C3C-C4C	5.89	1.51	1.42
31	l8	203	PEB	C3B-C2B	5.89	1.49	1.36
31	MA	202	PEB	C3C-C4C	5.88	1.51	1.42
32	CI	203	PUB	C2B-C1B	5.88	1.51	1.42
31	aF	203	PEB	C3C-C4C	5.88	1.51	1.42
31	f2	202	PEB	C3B-C2B	5.88	1.49	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	R5	203	PEB	C3B-C2B	5.88	1.49	1.36
31	GI	202	PEB	C3B-C2B	5.88	1.49	1.36
31	x8	304	PEB	C3B-C2B	5.88	1.49	1.36
31	Z4	201	PEB	C3C-C4C	5.88	1.51	1.42
33	i3	1001	CYC	CHB-C1B	5.88	1.52	1.38
33	J3	1001	CYC	CHB-C1B	5.87	1.52	1.38
31	UC	202	PEB	C3C-C4C	5.87	1.51	1.42
31	LF	202	PEB	C3C-C4C	5.87	1.51	1.42
31	PJ	201	PEB	C3B-C2B	5.87	1.49	1.36
31	i2	202	PEB	C3B-C2B	5.87	1.49	1.36
33	C3	1001	CYC	CHB-C1B	5.87	1.52	1.38
33	v3	1001	CYC	CHB-C1B	5.87	1.52	1.38
33	m3	1001	CYC	CHB-C1B	5.87	1.52	1.38
31	HA	203	PEB	C3C-C4C	5.87	1.51	1.42
31	L8	202	PEB	C3C-C4C	5.87	1.51	1.42
33	R3	1001	CYC	CHB-C1B	5.86	1.52	1.38
31	a8	201	PEB	C3B-C2B	5.86	1.49	1.36
31	hF	202	PEB	C3C-C4C	5.86	1.51	1.42
31	UF	201	PEB	C3C-C4C	5.86	1.51	1.42
33	t3	1001	CYC	CHB-C1B	5.86	1.52	1.38
32	A2	304	PUB	C2C-C3C	5.86	1.49	1.36
33	K3	1001	CYC	CHB-C1B	5.86	1.52	1.38
31	OC	201	PEB	C3B-C2B	5.86	1.49	1.36
33	A3	1001	CYC	CHB-C1B	5.86	1.52	1.38
33	G3	1001	CYC	CHB-C1B	5.86	1.52	1.38
33	P3	1001	CYC	CHB-C1B	5.86	1.52	1.38
31	AJ	301	PEB	C3B-C2B	5.85	1.49	1.36
31	KJ	202	PEB	C3B-C2B	5.85	1.49	1.36
31	B1	201	PEB	C3B-C2B	5.85	1.49	1.36
33	T3	1001	CYC	CHB-C1B	5.85	1.51	1.38
31	bC	202	PEB	C3B-C2B	5.85	1.49	1.36
31	WF	203	PEB	C3B-C2B	5.84	1.49	1.36
33	E3	1001	CYC	CHB-C1B	5.84	1.51	1.38
31	QF	203	PEB	C3B-C2B	5.84	1.49	1.36
33	p3	1001	CYC	CHB-C1B	5.84	1.51	1.38
31	VJ	203	PEB	C3B-C2B	5.84	1.49	1.36
33	g3	1001	CYC	CHB-C1B	5.84	1.51	1.38
31	gA	201	PEB	C3B-C2B	5.84	1.49	1.36
31	Q8	203	PEB	C3B-C2B	5.84	1.49	1.36
31	oF	201	PEB	C3B-C2B	5.84	1.49	1.36
33	e3	1001	CYC	CHB-C1B	5.84	1.51	1.38
33	r3	1001	CYC	CHB-C1B	5.84	1.51	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	c3	1001	CYC	CHB-C1B	5.84	1.51	1.38
33	l3	1001	CYC	CHB-C1B	5.84	1.51	1.38
31	VH	201	PEB	C3C-C4C	5.84	1.51	1.42
31	e4	202	PEB	C3C-C4C	5.84	1.51	1.42
31	K5	202	PEB	C3B-C2B	5.84	1.49	1.36
33	FB	1001	CYC	C3B-C2B	5.83	1.49	1.36
31	YC	202	PEB	C3C-C4C	5.83	1.51	1.42
33	N3	1001	CYC	CHB-C1B	5.83	1.51	1.38
31	b2	202	PEB	C3B-C2B	5.83	1.49	1.36
31	LA	201	PEB	C3C-C4C	5.83	1.51	1.42
31	a2	202	PEB	C3C-C4C	5.83	1.51	1.42
31	kF	201	PEB	C3C-C4C	5.83	1.51	1.42
31	mH	202	PEB	C3C-C4C	5.83	1.51	1.42
33	K6	1001	CYC	C3B-C2B	5.82	1.49	1.36
31	JI	203	PEB	C3C-C4C	5.82	1.51	1.42
31	U2	202	PEB	C3C-C4C	5.82	1.51	1.42
31	HH	201	PEB	C3C-C4C	5.82	1.51	1.42
31	n8	201	PEB	C3B-C2B	5.82	1.49	1.36
31	Y8	201	PEB	C3C-C4C	5.82	1.51	1.42
31	i6	203	PEB	C3B-C2B	5.82	1.49	1.36
31	AC	301	PEB	C3C-C4C	5.82	1.51	1.42
31	A2	301	PEB	C3C-C4C	5.82	1.51	1.42
31	YC	201	PEB	C3C-C4C	5.81	1.51	1.42
31	xF	302	PEB	C3B-C2B	5.81	1.49	1.36
31	BK	201	PEB	C3B-C2B	5.81	1.49	1.36
31	VJ	203	PEB	C3C-C4C	5.81	1.51	1.42
31	iB	203	PEB	C3B-C2B	5.81	1.49	1.36
31	OG	201	PEB	C3B-C2B	5.81	1.49	1.36
31	V5	203	PEB	C3C-C4C	5.81	1.51	1.42
31	YJ	201	PEB	C3B-C2B	5.81	1.49	1.36
31	Y5	201	PEB	C3B-C2B	5.80	1.49	1.36
31	hC	201	PEB	C3B-C2B	5.80	1.49	1.36
31	l2	201	PEB	C3C-C4C	5.80	1.51	1.42
33	F6	1001	CYC	C3B-C2B	5.80	1.49	1.36
31	G8	201	PEB	C3B-C2B	5.80	1.49	1.36
31	k8	201	PEB	C3C-C4C	5.80	1.51	1.42
31	h8	202	PEB	C3C-C4C	5.80	1.51	1.42
31	bA	201	PEB	C3C-C4C	5.80	1.51	1.42
33	LC	1001	CYC	CHB-C1B	5.80	1.51	1.38
31	h2	202	PEB	C3B-C2B	5.80	1.49	1.36
31	J1	203	PEB	C3B-C2B	5.79	1.49	1.36
31	Q5	202	PEB	C3C-C4C	5.79	1.51	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UA	301	PEB	C3C-C4C	5.79	1.51	1.42
31	FF	202	PEB	C3C-C4C	5.79	1.51	1.42
31	FJ	202	PEB	C3B-C2B	5.79	1.49	1.36
31	iC	202	PEB	C3B-C2B	5.78	1.49	1.36
31	A5	301	PEB	C3B-C2B	5.78	1.49	1.36
31	ZH	201	PEB	C3C-C4C	5.78	1.51	1.42
31	kH	201	PEB	C3C-C4C	5.78	1.51	1.42
31	j8	202	PEB	C3C-C4C	5.78	1.51	1.42
31	WF	202	PEB	C3C-C4C	5.78	1.51	1.42
31	OI	202	PEB	C3B-C2B	5.77	1.49	1.36
31	EK	201	PEB	C3B-C2B	5.77	1.49	1.36
31	i2	202	PEB	C3C-C4C	5.77	1.51	1.42
31	iC	202	PEB	C3C-C4C	5.77	1.51	1.42
31	V5	203	PEB	C3B-C2B	5.77	1.49	1.36
31	Y2	201	PEB	C3C-C4C	5.77	1.51	1.42
31	AF	202	PEB	C3B-C2B	5.77	1.49	1.36
31	o8	201	PEB	C3B-C2B	5.77	1.49	1.36
33	EB	1001	CYC	C3B-C2B	5.77	1.49	1.36
31	FG	201	PEB	C3B-C2B	5.77	1.49	1.36
31	JK	203	PEB	C3B-C2B	5.77	1.49	1.36
31	A5	304	PEB	C3B-C2B	5.77	1.49	1.36
31	aE	202	PEB	C3B-C2B	5.76	1.49	1.36
33	IB	1001	CYC	C3B-C2B	5.76	1.49	1.36
33	L2	1001	CYC	CHB-C1B	5.76	1.51	1.38
31	tF	202	PEB	C3C-C4C	5.76	1.51	1.42
31	J5	202	PEB	C3B-C2B	5.76	1.49	1.36
31	YK	302	PEB	C3B-C2B	5.76	1.49	1.36
33	E6	1001	CYC	C3B-C2B	5.76	1.49	1.36
31	kC	203	PEB	C3C-C4C	5.76	1.51	1.42
33	G6	1001	CYC	C3B-C2B	5.76	1.49	1.36
33	N6	1001	CYC	C2A-C3A	5.75	1.49	1.36
31	NH	201	PEB	C3C-C4C	5.75	1.51	1.42
31	T2	202	PEB	C3C-C4C	5.75	1.51	1.42
31	e2	202	PEB	C3B-C2B	5.75	1.49	1.36
31	F5	202	PEB	C3B-C2B	5.75	1.49	1.36
31	GF	202	PEB	C3C-C4C	5.75	1.51	1.42
31	mC	202	PEB	C3B-C2B	5.75	1.49	1.36
31	UA	304	PEB	C3B-C2B	5.75	1.49	1.36
31	E1	201	PEB	C3B-C2B	5.75	1.49	1.36
31	W8	203	PEB	C3B-C2B	5.75	1.48	1.36
31	KG	201	PEB	C3B-C2B	5.75	1.48	1.36
31	c4	201	PEB	C3C-C4C	5.75	1.51	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	QJ	202	PEB	C3C-C4C	5.75	1.51	1.42
31	F5	203	PEB	C3C-C4C	5.74	1.51	1.42
31	WI	201	PEB	C3C-C4C	5.74	1.51	1.42
31	RC	202	PEB	C3B-C2B	5.74	1.48	1.36
31	JJ	202	PEB	C3B-C2B	5.74	1.48	1.36
31	Y2	202	PEB	C3C-C4C	5.74	1.51	1.42
31	W8	202	PEB	C3C-C4C	5.74	1.51	1.42
31	A8	202	PEB	C3B-C2B	5.74	1.48	1.36
31	W8	203	PEB	C3C-C4C	5.74	1.51	1.42
31	J1	201	PEB	C3C-C4C	5.74	1.51	1.42
31	VJ	202	PEB	C3B-C2B	5.74	1.48	1.36
31	V5	202	PEB	C3B-C2B	5.74	1.48	1.36
31	p8	202	PEB	C3C-C4C	5.74	1.51	1.42
31	N5	202	PEB	C3C-C4C	5.74	1.51	1.42
31	nF	201	PEB	C3B-C2B	5.74	1.48	1.36
33	CB	1001	CYC	C3B-C2B	5.73	1.48	1.36
33	FD	202	CYC	C3B-C2B	5.73	1.48	1.36
33	KE	202	CYC	C3B-C2B	5.73	1.48	1.36
31	Y1	302	PEB	C3B-C2B	5.73	1.48	1.36
31	GF	201	PEB	C3B-C2B	5.73	1.48	1.36
31	GD	202	PEB	C3B-C2B	5.73	1.48	1.36
33	GB	1001	CYC	C3B-C2B	5.73	1.48	1.36
33	BD	1001	CYC	C3B-C2B	5.73	1.48	1.36
31	j8	201	PEB	C3B-C2B	5.72	1.48	1.36
32	AC	304	PUB	C2C-C3C	5.72	1.48	1.36
31	VJ	202	PEB	C3C-C4C	5.72	1.51	1.42
31	jF	201	PEB	C3B-C2B	5.72	1.48	1.36
31	m2	202	PEB	C3B-C2B	5.72	1.48	1.36
31	PH	201	PEB	C3C-C4C	5.72	1.51	1.42
31	AK	202	PEB	C3B-C2B	5.72	1.48	1.36
33	I6	1001	CYC	C3B-C2B	5.72	1.48	1.36
33	y3	1001	CYC	CHB-C1B	5.72	1.51	1.38
31	u8	202	PEB	C3C-C4C	5.72	1.51	1.42
31	JK	201	PEB	C3C-C4C	5.72	1.51	1.42
31	JE	201	PEB	C3B-C2B	5.72	1.48	1.36
31	FJ	203	PEB	C3C-C4C	5.72	1.51	1.42
31	a8	203	PEB	C3C-C4C	5.72	1.51	1.42
31	mD	202	PEB	C3C-C4C	5.71	1.51	1.42
33	L3	1001	CYC	CHB-C1B	5.71	1.51	1.38
31	pF	202	PEB	C3C-C4C	5.71	1.51	1.42
31	F8	202	PEB	C3C-C4C	5.71	1.51	1.42
31	gF	202	PEB	C3C-C4C	5.71	1.51	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	JC	1003	CYC	C3B-C2B	5.71	1.48	1.36
33	NB	1001	CYC	C3B-C2B	5.71	1.48	1.36
33	w3	1001	CYC	CHB-C1B	5.71	1.51	1.38
31	BI	202	PEB	C3B-C2B	5.71	1.48	1.36
33	N6	1001	CYC	C3B-C2B	5.71	1.48	1.36
31	QI	203	PEB	C3B-C2B	5.71	1.48	1.36
31	eH	202	PEB	C3C-C4C	5.70	1.51	1.42
33	NB	1001	CYC	C2A-C3A	5.70	1.48	1.36
33	DC	1001	CYC	C3B-C2B	5.70	1.48	1.36
33	D3	1001	CYC	CHB-C1B	5.70	1.51	1.38
31	m2	201	PEB	C3C-C4C	5.70	1.50	1.42
31	aD	202	PEB	C3B-C2B	5.70	1.48	1.36
33	H3	1001	CYC	CHB-C1B	5.70	1.51	1.38
31	DK	203	PEB	C3B-C2B	5.70	1.48	1.36
33	D2	1003	CYC	C3B-C2B	5.70	1.48	1.36
33	F3	1001	CYC	CHB-C1B	5.70	1.51	1.38
31	A2	301	PEB	C3B-C2B	5.70	1.48	1.36
31	eC	202	PEB	C3B-C2B	5.70	1.48	1.36
31	Y1	303	PEB	C3B-C2B	5.70	1.48	1.36
31	R2	202	PEB	C3B-C2B	5.70	1.48	1.36
33	ED	1001	CYC	C3B-C2B	5.70	1.48	1.36
31	M8	203	PEB	C3B-C2B	5.70	1.48	1.36
33	o3	1001	CYC	CHB-C1B	5.70	1.51	1.38
31	UJ	202	PEB	C3C-C4C	5.70	1.50	1.42
31	TC	202	PEB	C3C-C4C	5.69	1.50	1.42
33	h3	1001	CYC	CHB-C1B	5.69	1.51	1.38
31	mE	202	PEB	C3C-C4C	5.69	1.50	1.42
33	BE	1002	CYC	C3B-C2B	5.69	1.48	1.36
33	M2	201	CYC	C3B-C2B	5.69	1.48	1.36
31	D1	201	PEB	C3B-C2B	5.69	1.48	1.36
31	EJ	201	PEB	C3C-C4C	5.69	1.50	1.42
33	73	1001	CYC	CHB-C1B	5.69	1.51	1.38
31	jC	201	PEB	C3C-C4C	5.69	1.50	1.42
33	u3	1001	CYC	CHB-C1B	5.69	1.51	1.38
31	V5	202	PEB	C3C-C4C	5.69	1.50	1.42
31	hH	203	PEB	C3B-C2B	5.69	1.48	1.36
33	W3	1001	CYC	CHB-C1B	5.69	1.51	1.38
31	V4	201	PEB	C3C-C4C	5.69	1.50	1.42
31	uF	203	PEB	C3C-C4C	5.69	1.50	1.42
33	k3	1001	CYC	CHB-C1B	5.69	1.51	1.38
33	ME	1001	CYC	C3B-C2B	5.69	1.48	1.36
33	KB	1001	CYC	C3B-C2B	5.68	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	U7	202	PEB	C3B-C2B	5.68	1.48	1.36
33	d3	1001	CYC	CHB-C1B	5.68	1.51	1.38
33	Q3	1001	CYC	CHB-C1B	5.68	1.51	1.38
33	q3	1001	CYC	CHB-C1B	5.68	1.51	1.38
31	AC	301	PEB	C3B-C2B	5.68	1.48	1.36
31	hD	201	PEB	C3B-C2B	5.68	1.48	1.36
31	S5	202	PEB	C3C-C4C	5.68	1.50	1.42
31	jC	203	PEB	C3B-C2B	5.68	1.48	1.36
33	C6	1001	CYC	C3B-C2B	5.68	1.48	1.36
32	Z9	305	PUB	C2B-C1B	5.68	1.50	1.42
31	A2	302	PEB	C3B-C2B	5.68	1.48	1.36
31	A2	305	PEB	C3B-C2B	5.68	1.48	1.36
31	AJ	304	PEB	C3B-C2B	5.68	1.48	1.36
31	mC	201	PEB	C3C-C4C	5.68	1.50	1.42
31	U5	202	PEB	C3C-C4C	5.68	1.50	1.42
31	U2	203	PEB	C3C-C4C	5.68	1.50	1.42
33	j3	1001	CYC	CHB-C1B	5.68	1.51	1.38
31	j2	203	PEB	C3B-C2B	5.68	1.48	1.36
33	O3	1001	CYC	CHB-C1B	5.68	1.51	1.38
31	eF	203	PEB	C3C-C4C	5.68	1.50	1.42
31	WK	202	PEB	C3B-C2B	5.67	1.48	1.36
31	F5	202	PEB	C3C-C4C	5.67	1.50	1.42
31	b6	201	PEB	C3C-C4C	5.67	1.50	1.42
31	bB	201	PEB	C3C-C4C	5.67	1.50	1.42
33	U3	1001	CYC	CHB-C1B	5.67	1.51	1.38
31	UD	201	PEB	C3C-C4C	5.67	1.50	1.42
31	iD	201	PEB	C3B-C2B	5.67	1.48	1.36
31	xF	304	PEB	C3B-C2B	5.67	1.48	1.36
33	f3	1001	CYC	CHB-C1B	5.67	1.51	1.38
31	UI	203	PEB	C3B-C2B	5.67	1.48	1.36
33	EE	1001	CYC	C3B-C2B	5.67	1.48	1.36
31	YF	201	PEB	C3C-C4C	5.67	1.50	1.42
31	OC	202	PEB	C3B-C2B	5.67	1.48	1.36
31	HI	203	PEB	C3B-C2B	5.67	1.48	1.36
33	I3	1001	CYC	CHB-C1B	5.67	1.51	1.38
33	CE	1001	CYC	C3B-C2B	5.67	1.48	1.36
33	B3	1001	CYC	CHB-C1B	5.67	1.51	1.38
31	SJ	202	PEB	C3C-C4C	5.66	1.50	1.42
31	i8	202	PEB	C3C-C4C	5.66	1.50	1.42
33	n3	1001	CYC	CHB-C1B	5.66	1.51	1.38
31	H5	201	PEB	C3B-C2B	5.66	1.48	1.36
33	M3	1001	CYC	CHB-C1B	5.66	1.51	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	x8	303	PEB	C3B-C2B	5.66	1.48	1.36
33	KC	201	CYC	C3B-C2B	5.66	1.48	1.36
32	M9	305	PUB	C2B-C1B	5.66	1.50	1.42
31	uF	202	PEB	C3B-C2B	5.66	1.48	1.36
33	DD	1001	CYC	C3B-C2B	5.66	1.48	1.36
33	DE	1001	CYC	C3B-C2B	5.66	1.48	1.36
33	BD	1002	CYC	C3B-C2B	5.66	1.48	1.36
31	E5	201	PEB	C3C-C4C	5.65	1.50	1.42
31	gD	202	PEB	C3C-C4C	5.65	1.50	1.42
31	YK	303	PEB	C3B-C2B	5.65	1.48	1.36
31	A1	202	PEB	C3B-C2B	5.65	1.48	1.36
33	S3	1001	CYC	CHB-C1B	5.65	1.51	1.38
31	AC	302	PEB	C3B-C2B	5.65	1.48	1.36
31	e8	203	PEB	C3C-C4C	5.65	1.50	1.42
31	A4	301	PEB	C3B-C2B	5.65	1.48	1.36
31	WF	203	PEB	C3C-C4C	5.65	1.50	1.42
31	A1	201	PEB	C3B-C2B	5.65	1.48	1.36
31	W1	202	PEB	C3B-C2B	5.65	1.48	1.36
31	fC	202	PEB	C3C-C4C	5.65	1.50	1.42
32	AB	302	PUB	C2C-C3C	5.65	1.48	1.36
31	gH	201	PEB	C3B-C2B	5.65	1.48	1.36
31	s8	202	PEB	C3B-C2B	5.65	1.48	1.36
31	D1	203	PEB	C3B-C2B	5.64	1.48	1.36
31	G8	202	PEB	C3C-C4C	5.64	1.50	1.42
33	D2	1001	CYC	C3B-C2B	5.64	1.48	1.36
31	AC	305	PEB	C3B-C2B	5.64	1.48	1.36
31	u8	201	PEB	C3B-C2B	5.64	1.48	1.36
31	S2	202	PEB	C3C-C4C	5.64	1.50	1.42
33	CC	1001	CYC	C3B-C2B	5.64	1.48	1.36
31	j4	203	PEB	C3B-C2B	5.64	1.48	1.36
31	p8	201	PEB	C3B-C2B	5.63	1.48	1.36
31	gE	202	PEB	C3C-C4C	5.63	1.50	1.42
31	iF	202	PEB	C3C-C4C	5.63	1.50	1.42
31	j4	201	PEB	C3B-C2B	5.63	1.48	1.36
31	e8	202	PEB	C3C-C4C	5.63	1.50	1.42
31	HJ	201	PEB	C3B-C2B	5.63	1.48	1.36
31	V2	202	PEB	C3C-C4C	5.63	1.50	1.42
31	c8	201	PEB	C3C-C4C	5.63	1.50	1.42
31	hE	201	PEB	C3B-C2B	5.63	1.48	1.36
31	WG	201	PEB	C3B-C2B	5.63	1.48	1.36
31	f2	202	PEB	C3C-C4C	5.63	1.50	1.42
33	C2	1001	CYC	C3B-C2B	5.63	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HC	1002	PEB	C3B-C2B	5.63	1.48	1.36
31	Z9	303	PEB	C3B-C2B	5.63	1.48	1.36
31	L5	203	PEB	C3C-C4C	5.62	1.50	1.42
33	HB	1001	CYC	C3B-C2B	5.62	1.48	1.36
31	ZC	203	PEB	C3B-C2B	5.62	1.48	1.36
31	VC	202	PEB	C3C-C4C	5.62	1.50	1.42
33	K2	201	CYC	C3B-C2B	5.62	1.48	1.36
33	GD	201	CYC	C3B-C2B	5.62	1.48	1.36
31	SF	203	PEB	C3C-C4C	5.62	1.50	1.42
33	GE	201	CYC	C3B-C2B	5.62	1.48	1.36
31	l4	203	PEB	C3B-C2B	5.62	1.48	1.36
31	lF	201	PEB	C3B-C2B	5.62	1.48	1.36
31	lD	201	PEB	C3B-C2B	5.62	1.48	1.36
31	KK	201	PEB	C3C-C4C	5.62	1.50	1.42
33	BE	1001	CYC	C3B-C2B	5.62	1.48	1.36
31	DF	203	PEB	C3B-C2B	5.62	1.48	1.36
31	DK	201	PEB	C3B-C2B	5.62	1.48	1.36
31	O2	202	PEB	C3B-C2B	5.62	1.48	1.36
31	m4	202	PEB	C3C-C4C	5.61	1.50	1.42
31	JG	201	PEB	C3B-C2B	5.61	1.48	1.36
31	AK	201	PEB	C3B-C2B	5.61	1.48	1.36
31	FJ	202	PEB	C3C-C4C	5.61	1.50	1.42
31	UG	201	PEB	C3B-C2B	5.61	1.48	1.36
33	LC	1001	CYC	C3B-C2B	5.61	1.48	1.36
31	X5	202	PEB	C3B-C2B	5.61	1.48	1.36
31	Y8	203	PEB	C3B-C2B	5.61	1.48	1.36
31	K1	201	PEB	C3C-C4C	5.61	1.50	1.42
31	mE	201	PEB	C3B-C2B	5.61	1.48	1.36
31	sF	202	PEB	C3B-C2B	5.61	1.48	1.36
31	LJ	203	PEB	C3C-C4C	5.61	1.50	1.42
31	CA	202	PEB	C3C-C4C	5.61	1.50	1.42
31	ZI	303	PEB	C3B-C2B	5.61	1.48	1.36
31	q8	203	PEB	C3C-C4C	5.60	1.50	1.42
31	J4	201	PEB	C3C-C4C	5.60	1.50	1.42
31	MI	304	PEB	C3B-C2B	5.60	1.48	1.36
31	e2	202	PEB	C3C-C4C	5.60	1.50	1.42
31	Y8	202	PEB	C3B-C2B	5.60	1.48	1.36
31	l8	201	PEB	C3B-C2B	5.60	1.48	1.36
31	H2	1002	PEB	C3B-C2B	5.60	1.48	1.36
31	M9	303	PEB	C3B-C2B	5.60	1.48	1.36
31	fE	203	PEB	C3B-C2B	5.60	1.48	1.36
31	Z2	203	PEB	C3B-C2B	5.60	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	AB	304	PEB	C3B-C2B	5.60	1.48	1.36
31	YF	203	PEB	C3B-C2B	5.60	1.48	1.36
31	A6	304	PEB	C3B-C2B	5.60	1.48	1.36
31	JI	201	PEB	C3C-C4C	5.60	1.50	1.42
33	H6	1001	CYC	C3B-C2B	5.60	1.48	1.36
31	eF	202	PEB	C3C-C4C	5.59	1.50	1.42
33	MD	1001	CYC	C3B-C2B	5.59	1.48	1.36
31	D8	203	PEB	C3B-C2B	5.59	1.48	1.36
31	HF	202	PEB	C3C-C4C	5.59	1.50	1.42
31	mD	201	PEB	C3B-C2B	5.59	1.48	1.36
31	eD	203	PEB	C3B-C2B	5.59	1.48	1.36
31	RJ	202	PEB	C3C-C4C	5.59	1.50	1.42
31	R5	202	PEB	C3C-C4C	5.59	1.50	1.42
33	DC	1003	CYC	C3B-C2B	5.59	1.48	1.36
31	OG	202	PEB	C3B-C2B	5.59	1.48	1.36
31	g2	202	PEB	C3B-C2B	5.59	1.48	1.36
31	R5	202	PEB	C3B-C2B	5.59	1.48	1.36
31	cB	202	PEB	C3B-C2B	5.59	1.48	1.36
33	FC	1001	CYC	C3B-C2B	5.59	1.48	1.36
31	YF	202	PEB	C3B-C2B	5.58	1.48	1.36
31	MF	203	PEB	C3B-C2B	5.58	1.48	1.36
31	t8	203	PEB	C3C-C4C	5.58	1.50	1.42
31	SF	201	PEB	C3B-C2B	5.58	1.48	1.36
31	lE	201	PEB	C3B-C2B	5.58	1.48	1.36
31	FK	203	PEB	C3B-C2B	5.58	1.48	1.36
31	iE	201	PEB	C3B-C2B	5.58	1.48	1.36
31	gC	202	PEB	C3B-C2B	5.58	1.48	1.36
33	G6	1001	CYC	C2A-C3A	5.57	1.48	1.36
31	D1	202	PEB	C3B-C2B	5.57	1.48	1.36
32	A6	302	PUB	C2C-C3C	5.57	1.48	1.36
31	HI	203	PEB	C3C-C4C	5.57	1.50	1.42
31	D4	202	PEB	C3C-C4C	5.57	1.50	1.42
31	eC	202	PEB	C3C-C4C	5.57	1.50	1.42
31	BG	201	PEB	C3B-C2B	5.57	1.48	1.36
31	pF	201	PEB	C3B-C2B	5.57	1.48	1.36
31	F1	203	PEB	C3B-C2B	5.57	1.48	1.36
33	H6	1001	CYC	C2A-C3A	5.57	1.48	1.36
31	eD	202	PEB	C3B-C2B	5.57	1.48	1.36
31	gD	202	PEB	C3B-C2B	5.57	1.48	1.36
31	wF	302	PEB	C3B-C2B	5.57	1.48	1.36
31	T5	202	PEB	C3C-C4C	5.57	1.50	1.42
31	WC	202	PEB	C3B-C2B	5.57	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	R5	201	PEB	C3B-C2B	5.57	1.48	1.36
31	WG	202	PEB	C3B-C2B	5.57	1.48	1.36
31	P5	203	PEB	C3C-C4C	5.56	1.50	1.42
31	HG	201	PEB	C3B-C2B	5.56	1.48	1.36
31	i4	201	PEB	C3B-C2B	5.56	1.48	1.36
31	m8	201	PEB	C3C-C4C	5.56	1.50	1.42
33	L2	1001	CYC	C3B-C2B	5.56	1.48	1.36
31	H8	202	PEB	C3C-C4C	5.56	1.50	1.42
31	F9	201	PEB	C3C-C4C	5.56	1.50	1.42
31	nF	201	PEB	C3C-C4C	5.56	1.50	1.42
31	NJ	204	PEB	C3C-C4C	5.56	1.50	1.42
31	BK	203	PEB	C3C-C4C	5.56	1.50	1.42
31	iH	202	PEB	C3C-C4C	5.56	1.50	1.42
31	E4	201	PEB	C3B-C2B	5.55	1.48	1.36
31	XF	202	PEB	C3B-C2B	5.55	1.48	1.36
31	h2	201	PEB	C3B-C2B	5.55	1.48	1.36
31	a2	202	PEB	C3B-C2B	5.55	1.48	1.36
31	n8	201	PEB	C3C-C4C	5.55	1.50	1.42
31	M8	202	PEB	C3C-C4C	5.55	1.50	1.42
31	VF	202	PEB	C3C-C4C	5.55	1.50	1.42
31	KA	303	PEB	C3B-C2B	5.55	1.48	1.36
31	SG	201	PEB	C3B-C2B	5.55	1.48	1.36
31	c6	202	PEB	C3B-C2B	5.55	1.48	1.36
33	M6	1001	CYC	C3B-C2B	5.55	1.48	1.36
33	MB	1001	CYC	C3B-C2B	5.55	1.48	1.36
31	HK	201	PEB	C3B-C2B	5.55	1.48	1.36
31	RC	202	PEB	C3C-C4C	5.55	1.50	1.42
31	X4	201	PEB	C3C-C4C	5.55	1.50	1.42
32	K1	203	PUB	C2C-C3C	5.55	1.48	1.36
31	RJ	202	PEB	C3B-C2B	5.54	1.48	1.36
31	cA	403	PEB	C3C-C4C	5.54	1.50	1.42
31	H1	201	PEB	C3B-C2B	5.54	1.48	1.36
31	W2	202	PEB	C3B-C2B	5.54	1.48	1.36
31	kC	202	PEB	C3C-C4C	5.54	1.50	1.42
31	f2	201	PEB	C3B-C2B	5.54	1.48	1.36
31	B9	201	PEB	C3B-C2B	5.54	1.48	1.36
31	DK	202	PEB	C3B-C2B	5.54	1.48	1.36
31	lC	201	PEB	C3B-C2B	5.54	1.48	1.36
33	FD	201	CYC	C2A-C3A	5.54	1.48	1.36
31	J1	203	PEB	C3C-C4C	5.54	1.50	1.42
31	fB	201	PEB	C3C-C4C	5.54	1.50	1.42
31	rF	201	PEB	C3B-C2B	5.54	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	k2	202	PEB	C3C-C4C	5.54	1.50	1.42
31	O5	201	PEB	C3B-C2B	5.54	1.48	1.36
31	IH	203	PEB	C3B-C2B	5.54	1.48	1.36
31	CF	201	PEB	C3B-C2B	5.54	1.48	1.36
31	SC	202	PEB	C3C-C4C	5.54	1.50	1.42
31	kF	202	PEB	C3B-C2B	5.53	1.48	1.36
31	KF	203	PEB	C3C-C4C	5.53	1.50	1.42
31	OJ	201	PEB	C3B-C2B	5.53	1.48	1.36
31	QI	203	PEB	C3C-C4C	5.53	1.50	1.42
31	mF	201	PEB	C3C-C4C	5.53	1.50	1.42
31	f6	201	PEB	C3C-C4C	5.53	1.50	1.42
31	X4	201	PEB	C3B-C2B	5.53	1.48	1.36
31	H5	203	PEB	C3B-C2B	5.53	1.48	1.36
31	RA	201	PEB	C3C-C4C	5.53	1.50	1.42
31	aC	202	PEB	C3B-C2B	5.53	1.48	1.36
32	KK	203	PUB	C2C-C3C	5.53	1.48	1.36
31	U2	203	PEB	C3B-C2B	5.53	1.48	1.36
31	l2	202	PEB	C3B-C2B	5.53	1.48	1.36
31	qF	201	PEB	C3B-C2B	5.53	1.48	1.36
31	j2	201	PEB	C3C-C4C	5.53	1.50	1.42
31	H2	1002	PEB	C3C-C4C	5.53	1.50	1.42
33	LC	1003	CYC	C3B-C2B	5.53	1.48	1.36
31	YJ	202	PEB	C3B-C2B	5.53	1.48	1.36
31	eE	202	PEB	C3B-C2B	5.53	1.48	1.36
33	GB	1001	CYC	C2A-C3A	5.53	1.48	1.36
33	I2	201	CYC	C3B-C2B	5.53	1.48	1.36
31	iF	203	PEB	C3C-C4C	5.53	1.50	1.42
31	r8	201	PEB	C3B-C2B	5.52	1.48	1.36
31	RJ	201	PEB	C3B-C2B	5.52	1.48	1.36
31	f2	203	PEB	C3B-C2B	5.52	1.48	1.36
31	N5	204	PEB	C3B-C2B	5.52	1.48	1.36
31	R2	202	PEB	C3C-C4C	5.52	1.50	1.42
31	UC	203	PEB	C3C-C4C	5.52	1.50	1.42
31	E8	201	PEB	C3C-C4C	5.52	1.50	1.42
31	hE	203	PEB	C3B-C2B	5.52	1.48	1.36
31	A7	202	PEB	C3B-C2B	5.52	1.48	1.36
31	mF	201	PEB	C3B-C2B	5.52	1.48	1.36
31	S8	203	PEB	C3C-C4C	5.52	1.50	1.42
32	MI	303	PUB	C2C-C3C	5.52	1.48	1.36
31	b6	202	PEB	C3B-C2B	5.52	1.48	1.36
33	NC	1001	CYC	C2A-C3A	5.52	1.48	1.36
31	S8	201	PEB	C3B-C2B	5.52	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	xF	303	PEB	C3B-C2B	5.52	1.48	1.36
31	NJ	203	PEB	C3C-C4C	5.52	1.50	1.42
31	L4	201	PEB	C3C-C4C	5.52	1.50	1.42
31	cF	201	PEB	C3C-C4C	5.52	1.50	1.42
31	hF	201	PEB	C3B-C2B	5.52	1.48	1.36
33	JB	1001	CYC	C3B-C2B	5.52	1.48	1.36
33	F2	1001	CYC	C3B-C2B	5.52	1.48	1.36
31	g2	201	PEB	C3C-C4C	5.52	1.50	1.42
31	K8	203	PEB	C3C-C4C	5.52	1.50	1.42
31	h8	201	PEB	C3B-C2B	5.52	1.48	1.36
31	gC	203	PEB	C3B-C2B	5.52	1.48	1.36
31	IG	203	PEB	C3B-C2B	5.52	1.48	1.36
31	M7	202	PEB	C3B-C2B	5.52	1.48	1.36
31	PJ	203	PEB	C3C-C4C	5.52	1.50	1.42
31	TJ	202	PEB	C3C-C4C	5.52	1.50	1.42
31	HK	203	PEB	C3B-C2B	5.52	1.48	1.36
31	XJ	203	PEB	C3C-C4C	5.51	1.50	1.42
31	hE	203	PEB	C3C-C4C	5.51	1.50	1.42
31	s8	201	PEB	C3C-C4C	5.51	1.50	1.42
31	R7	201	PEB	C3B-C2B	5.51	1.48	1.36
31	w8	302	PEB	C3B-C2B	5.51	1.48	1.36
31	RK	202	PEB	C3C-C4C	5.51	1.50	1.42
31	J5	203	PEB	C3B-C2B	5.51	1.48	1.36
31	TJ	201	PEB	C3B-C2B	5.51	1.48	1.36
32	ZI	302	PUB	C2C-C3C	5.51	1.48	1.36
31	UE	201	PEB	C3C-C4C	5.51	1.50	1.42
31	VB	202	PEB	C3C-C4C	5.51	1.50	1.42
31	X7	202	PEB	C3B-C2B	5.51	1.48	1.36
31	c4	202	PEB	C3C-C4C	5.51	1.50	1.42
33	HB	1001	CYC	C2A-C3A	5.51	1.48	1.36
31	hD	203	PEB	C3C-C4C	5.51	1.50	1.42
31	QH	204	PEB	C3B-C2B	5.51	1.48	1.36
31	K4	202	PEB	C3B-C2B	5.50	1.48	1.36
31	C8	201	PEB	C3B-C2B	5.50	1.48	1.36
31	HJ	203	PEB	C3B-C2B	5.50	1.48	1.36
33	V3	1001	CYC	C3B-C2B	5.50	1.48	1.36
31	WA	402	PEB	C3C-C4C	5.50	1.50	1.42
31	k8	203	PEB	C3B-C2B	5.50	1.48	1.36
31	Q4	203	PEB	C3B-C2B	5.50	1.48	1.36
31	M9	301	PEB	C3B-C2B	5.50	1.48	1.36
31	MF	202	PEB	C3C-C4C	5.50	1.50	1.42
31	c4	201	PEB	C3B-C2B	5.50	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	WC	201	PEB	C3B-C2B	5.50	1.48	1.36
33	x3	1001	CYC	C3B-C2B	5.50	1.48	1.36
31	VG	203	PEB	C3B-C2B	5.50	1.48	1.36
31	P4	201	PEB	C3B-C2B	5.50	1.48	1.36
31	kC	203	PEB	C3B-C2B	5.50	1.48	1.36
31	O8	202	PEB	C3C-C4C	5.50	1.50	1.42
31	JJ	203	PEB	C3B-C2B	5.49	1.48	1.36
31	B1	202	PEB	C3B-C2B	5.49	1.48	1.36
31	HG	203	PEB	C3B-C2B	5.49	1.48	1.36
31	H9	201	PEB	C3B-C2B	5.49	1.48	1.36
31	D5	201	PEB	C3B-C2B	5.49	1.48	1.36
31	TJ	203	PEB	C3B-C2B	5.49	1.48	1.36
31	T5	203	PEB	C3B-C2B	5.49	1.48	1.36
31	Y5	202	PEB	C3B-C2B	5.49	1.48	1.36
33	L6	1001	CYC	C3B-C2B	5.49	1.48	1.36
31	RA	202	PEB	C3C-C4C	5.49	1.50	1.42
31	V8	202	PEB	C3C-C4C	5.49	1.50	1.42
31	o8	202	PEB	C3B-C2B	5.49	1.48	1.36
31	JK	203	PEB	C3C-C4C	5.49	1.50	1.42
31	SD	201	PEB	C3B-C2B	5.49	1.48	1.36
31	LJ	202	PEB	C3B-C2B	5.49	1.48	1.36
31	VJ	201	PEB	C3B-C2B	5.49	1.48	1.36
31	QI	202	PEB	C3B-C2B	5.49	1.48	1.36
31	Q4	204	PEB	C3B-C2B	5.49	1.48	1.36
31	oF	202	PEB	C3B-C2B	5.49	1.48	1.36
31	l2	201	PEB	C3B-C2B	5.49	1.48	1.36
31	UC	203	PEB	C3B-C2B	5.49	1.48	1.36
31	QC	202	PEB	C3B-C2B	5.49	1.48	1.36
31	U9	201	PEB	C3B-C2B	5.48	1.48	1.36
31	SE	201	PEB	C3B-C2B	5.48	1.48	1.36
31	fD	203	PEB	C3B-C2B	5.48	1.48	1.36
31	jD	202	PEB	C3B-C2B	5.48	1.48	1.36
32	xF	305	PUB	C2C-C3C	5.48	1.48	1.36
31	M9	302	PEB	C3B-C2B	5.48	1.48	1.36
31	m4	202	PEB	C3B-C2B	5.48	1.48	1.36
31	vF	202	PEB	C3C-C4C	5.48	1.50	1.42
33	J6	1001	CYC	C3B-C2B	5.48	1.48	1.36
31	O4	202	PEB	C3B-C2B	5.48	1.48	1.36
31	d4	203	PEB	C3B-C2B	5.48	1.48	1.36
31	hD	203	PEB	C3B-C2B	5.48	1.48	1.36
31	m4	201	PEB	C3B-C2B	5.48	1.48	1.36
31	C7	203	PEB	C3B-C2B	5.48	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	H7	202	PEB	C3B-C2B	5.48	1.48	1.36
32	A2	303	PUB	C2C-C3C	5.48	1.48	1.36
31	h4	202	PEB	C3B-C2B	5.48	1.48	1.36
31	X8	202	PEB	C3B-C2B	5.48	1.48	1.36
31	k8	202	PEB	C3B-C2B	5.48	1.48	1.36
31	Z9	302	PEB	C3B-C2B	5.48	1.48	1.36
31	VE	202	PEB	C3B-C2B	5.48	1.48	1.36
31	C1	201	PEB	C3C-C4C	5.48	1.50	1.42
31	G5	201	PEB	C3C-C4C	5.48	1.50	1.42
31	fC	203	PEB	C3B-C2B	5.48	1.48	1.36
31	Z9	301	PEB	C3B-C2B	5.47	1.48	1.36
31	I7	202	PEB	C3C-C4C	5.47	1.50	1.42
31	f8	201	PEB	C3B-C2B	5.47	1.48	1.36
31	q8	201	PEB	C3B-C2B	5.47	1.48	1.36
31	p8	202	PEB	C3B-C2B	5.47	1.48	1.36
31	c8	202	PEB	C3C-C4C	5.47	1.50	1.42
31	qF	203	PEB	C3C-C4C	5.47	1.50	1.42
31	d8	201	PEB	C3B-C2B	5.47	1.48	1.36
31	GH	202	PEB	C3B-C2B	5.47	1.48	1.36
31	B1	203	PEB	C3C-C4C	5.47	1.50	1.42
31	DC	1002	PEB	C3B-C2B	5.47	1.48	1.36
31	AH	301	PEB	C3B-C2B	5.47	1.48	1.36
31	I4	203	PEB	C3B-C2B	5.47	1.48	1.36
31	dD	202	PEB	C3B-C2B	5.47	1.48	1.36
31	D2	1002	PEB	C3B-C2B	5.47	1.48	1.36
31	NJ	204	PEB	C3B-C2B	5.47	1.48	1.36
31	f4	202	PEB	C3B-C2B	5.47	1.48	1.36
31	bB	202	PEB	C3B-C2B	5.47	1.48	1.36
31	PE	202	PEB	C3C-C4C	5.47	1.50	1.42
31	gE	202	PEB	C3B-C2B	5.47	1.48	1.36
31	pF	202	PEB	C3B-C2B	5.47	1.48	1.36
31	O5	202	PEB	C3B-C2B	5.46	1.48	1.36
31	iD	202	PEB	C3B-C2B	5.46	1.48	1.36
31	k6	202	PEB	C3B-C2B	5.46	1.48	1.36
31	F7	201	PEB	C3B-C2B	5.46	1.48	1.36
31	g8	203	PEB	C3B-C2B	5.46	1.48	1.36
31	OF	202	PEB	C3C-C4C	5.46	1.50	1.42
31	XJ	203	PEB	C3B-C2B	5.46	1.48	1.36
31	J1	202	PEB	C3B-C2B	5.46	1.48	1.36
32	AC	303	PUB	C2C-C3C	5.46	1.48	1.36
31	MA	202	PEB	C3B-C2B	5.46	1.48	1.36
31	G4	202	PEB	C3B-C2B	5.46	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	W2	201	PEB	C3B-C2B	5.46	1.48	1.36
31	J1	201	PEB	C3B-C2B	5.46	1.48	1.36
31	aH	201	PEB	C3B-C2B	5.46	1.48	1.36
31	HC	1002	PEB	C3C-C4C	5.46	1.50	1.42
31	d5	401	PEB	C3B-C2B	5.46	1.48	1.36
31	Z2	202	PEB	C3C-C4C	5.46	1.50	1.42
31	gF	203	PEB	C3B-C2B	5.46	1.48	1.36
33	N2	1001	CYC	C2A-C3A	5.46	1.48	1.36
31	uF	202	PEB	C3C-C4C	5.45	1.50	1.42
31	JK	202	PEB	C3B-C2B	5.45	1.48	1.36
31	XK	203	PEB	C3B-C2B	5.45	1.48	1.36
31	Q2	202	PEB	C3B-C2B	5.45	1.48	1.36
31	X5	203	PEB	C3C-C4C	5.45	1.50	1.42
31	LI	202	PEB	C3B-C2B	5.45	1.48	1.36
31	h4	203	PEB	C3B-C2B	5.45	1.48	1.36
33	LB	1001	CYC	C3B-C2B	5.45	1.48	1.36
31	oF	201	PEB	C3C-C4C	5.45	1.50	1.42
32	x8	305	PUB	C2C-C3C	5.45	1.48	1.36
31	Z2	203	PEB	C3C-C4C	5.45	1.50	1.42
31	N5	203	PEB	C3B-C2B	5.45	1.48	1.36
31	t8	201	PEB	C3B-C2B	5.45	1.48	1.36
31	JK	201	PEB	C3B-C2B	5.45	1.48	1.36
31	m2	202	PEB	C2A-C1A	-5.45	1.47	1.52
31	l8	202	PEB	C3B-C2B	5.45	1.48	1.36
31	DF	201	PEB	C3C-C4C	5.45	1.50	1.42
31	VD	202	PEB	C3B-C2B	5.45	1.48	1.36
31	OH	202	PEB	C3B-C2B	5.45	1.48	1.36
31	CK	201	PEB	C3C-C4C	5.45	1.50	1.42
31	N5	203	PEB	C3C-C4C	5.45	1.50	1.42
31	YE	202	PEB	C3B-C2B	5.45	1.48	1.36
31	L5	202	PEB	C3B-C2B	5.45	1.48	1.36
31	jE	202	PEB	C3B-C2B	5.45	1.48	1.36
31	iF	203	PEB	C3B-C2B	5.45	1.48	1.36
31	NJ	203	PEB	C3B-C2B	5.45	1.48	1.36
31	XJ	201	PEB	C3B-C2B	5.45	1.48	1.36
31	U1	202	PEB	C3C-C4C	5.45	1.50	1.42
31	sF	202	PEB	C3C-C4C	5.45	1.50	1.42
31	X5	201	PEB	C3B-C2B	5.45	1.48	1.36
31	fC	201	PEB	C3B-C2B	5.45	1.48	1.36
31	JB	1002	PEB	C3C-C4C	5.44	1.50	1.42
31	g8	202	PEB	C3B-C2B	5.44	1.48	1.36
31	V1	201	PEB	C3B-C2B	5.44	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A6	305	PEB	C3B-C2B	5.44	1.48	1.36
31	CF	202	PEB	C3C-C4C	5.44	1.50	1.42
31	lB	201	PEB	C3C-C4C	5.44	1.50	1.42
31	hC	201	PEB	C3C-C4C	5.44	1.50	1.42
31	R1	203	PEB	C3B-C2B	5.44	1.48	1.36
31	S4	201	PEB	C3B-C2B	5.44	1.48	1.36
31	mB	202	PEB	C3B-C2B	5.44	1.48	1.36
31	T6	202	PEB	C3B-C2B	5.44	1.48	1.36
31	h6	202	PEB	C3B-C2B	5.44	1.48	1.36
31	X1	203	PEB	C3B-C2B	5.44	1.48	1.36
31	tF	201	PEB	C3B-C2B	5.44	1.48	1.36
33	FE	1001	CYC	C2A-C3A	5.44	1.48	1.36
31	c6	203	PEB	C3B-C2B	5.44	1.48	1.36
31	PE	201	PEB	C3B-C2B	5.44	1.48	1.36
31	lH	203	PEB	C3B-C2B	5.44	1.48	1.36
31	AH	302	PEB	C3C-C4C	5.44	1.50	1.42
31	gC	201	PEB	C3C-C4C	5.43	1.50	1.42
31	YD	202	PEB	C3B-C2B	5.43	1.48	1.36
31	R5	203	PEB	C3C-C4C	5.43	1.50	1.42
31	sF	201	PEB	C3C-C4C	5.43	1.50	1.42
31	PD	202	PEB	C3C-C4C	5.43	1.50	1.42
31	N5	204	PEB	C3C-C4C	5.43	1.50	1.42
31	cB	203	PEB	C3C-C4C	5.43	1.50	1.42
31	TB	202	PEB	C3B-C2B	5.43	1.48	1.36
31	Z6	201	PEB	C3C-C4C	5.43	1.50	1.42
31	v8	201	PEB	C3B-C2B	5.43	1.48	1.36
31	Y8	201	PEB	C3B-C2B	5.43	1.48	1.36
31	V5	201	PEB	C3B-C2B	5.43	1.48	1.36
31	QC	201	PEB	C3B-C2B	5.43	1.48	1.36
31	BG	202	PEB	C3B-C2B	5.43	1.48	1.36
31	dJ	401	PEB	C3B-C2B	5.43	1.48	1.36
31	i8	203	PEB	C3C-C4C	5.43	1.50	1.42
31	O8	203	PEB	C3C-C4C	5.43	1.50	1.42
31	g4	201	PEB	C3B-C2B	5.43	1.48	1.36
31	X5	203	PEB	C3B-C2B	5.43	1.48	1.36
31	F1	201	PEB	C3B-C2B	5.43	1.48	1.36
33	63	901	CYC	C2A-C3A	5.43	1.48	1.36
31	j6	201	PEB	C3C-C4C	5.43	1.50	1.42
31	SH	202	PEB	C3B-C2B	5.43	1.48	1.36
31	DH	202	PEB	C3B-C2B	5.43	1.48	1.36
31	AJ	302	PEB	C3B-C2B	5.43	1.48	1.36
31	A5	302	PEB	C3B-C2B	5.43	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	T5	201	PEB	C3B-C2B	5.43	1.48	1.36
31	V8	201	PEB	C3B-C2B	5.43	1.48	1.36
31	DI	202	PEB	C3B-C2B	5.43	1.48	1.36
31	m8	201	PEB	C3B-C2B	5.43	1.48	1.36
31	ZC	203	PEB	C3C-C4C	5.42	1.50	1.42
31	BK	202	PEB	C3B-C2B	5.42	1.48	1.36
31	H5	202	PEB	C3B-C2B	5.42	1.48	1.36
31	KA	303	PEB	C3C-C4C	5.42	1.50	1.42
31	EF	201	PEB	C3C-C4C	5.42	1.50	1.42
31	uF	201	PEB	C3C-C4C	5.42	1.50	1.42
31	K4	201	PEB	C3B-C2B	5.42	1.48	1.36
31	n8	202	PEB	C3B-C2B	5.42	1.48	1.36
31	WJ	201	PEB	C3B-C2B	5.42	1.48	1.36
31	D4	202	PEB	C3B-C2B	5.42	1.48	1.36
31	vF	201	PEB	C3B-C2B	5.42	1.48	1.36
32	A4	303	PUB	C2C-C3C	5.42	1.48	1.36
31	iE	202	PEB	C3B-C2B	5.42	1.48	1.36
33	E2	1001	CYC	C3B-C2B	5.42	1.48	1.36
31	VG	202	PEB	C3B-C2B	5.42	1.48	1.36
31	T5	203	PEB	C3C-C4C	5.42	1.50	1.42
31	e8	203	PEB	C3B-C2B	5.42	1.48	1.36
31	eB	202	PEB	C3B-C2B	5.42	1.48	1.36
31	eF	203	PEB	C3B-C2B	5.42	1.48	1.36
31	RJ	203	PEB	C3C-C4C	5.42	1.50	1.42
31	VF	201	PEB	C3B-C2B	5.42	1.48	1.36
31	J4	202	PEB	C3B-C2B	5.42	1.48	1.36
31	h2	202	PEB	C3C-C4C	5.42	1.50	1.42
31	jF	201	PEB	C3C-C4C	5.42	1.50	1.42
31	LE	1002	PEB	C3B-C2B	5.42	1.48	1.36
31	GJ	201	PEB	C3C-C4C	5.42	1.50	1.42
31	XJ	202	PEB	C3B-C2B	5.42	1.48	1.36
31	CA	201	PEB	C3B-C2B	5.42	1.48	1.36
31	OJ	202	PEB	C3B-C2B	5.42	1.48	1.36
31	A8	201	PEB	C3C-C4C	5.42	1.50	1.42
32	AD	302	PUB	C2C-C3C	5.41	1.48	1.36
31	J6	1002	PEB	C3C-C4C	5.41	1.50	1.42
31	XG	202	PEB	C3B-C2B	5.41	1.48	1.36
31	G7	201	PEB	C3B-C2B	5.41	1.48	1.36
31	YI	203	PEB	C3C-C4C	5.41	1.50	1.42
31	Q2	201	PEB	C3B-C2B	5.41	1.48	1.36
31	UI	201	PEB	C3C-C4C	5.41	1.50	1.42
31	FK	201	PEB	C3B-C2B	5.41	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	AF	201	PEB	C3C-C4C	5.41	1.50	1.42
31	BI	203	PEB	C3C-C4C	5.41	1.50	1.42
31	A4	302	PEB	C3B-C2B	5.41	1.48	1.36
31	H1	203	PEB	C3B-C2B	5.41	1.48	1.36
31	yF	301	PEB	C3C-C4C	5.41	1.50	1.42
31	m6	202	PEB	C3B-C2B	5.41	1.48	1.36
31	dF	201	PEB	C3B-C2B	5.41	1.48	1.36
31	AD	301	PEB	C3B-C2B	5.41	1.48	1.36
31	EG	202	PEB	C3B-C2B	5.41	1.48	1.36
31	OC	203	PEB	C3B-C2B	5.40	1.48	1.36
31	kB	202	PEB	C3B-C2B	5.40	1.48	1.36
31	LD	1002	PEB	C3B-C2B	5.40	1.48	1.36
31	O2	203	PEB	C3B-C2B	5.40	1.48	1.36
31	a6	202	PEB	C3B-C2B	5.40	1.48	1.36
31	jH	201	PEB	C3B-C2B	5.40	1.48	1.36
31	l2	202	PEB	C3C-C4C	5.40	1.50	1.42
31	XH	201	PEB	C3B-C2B	5.40	1.48	1.36
31	KG	203	PEB	C3B-C2B	5.40	1.48	1.36
31	DH	202	PEB	C3C-C4C	5.40	1.50	1.42
31	AB	305	PEB	C3B-C2B	5.40	1.48	1.36
31	Y4	203	PEB	C3B-C2B	5.40	1.48	1.36
31	eD	203	PEB	C3C-C4C	5.40	1.50	1.42
31	JJ	201	PEB	C3B-C2B	5.40	1.48	1.36
31	bC	202	PEB	C3C-C4C	5.40	1.50	1.42
31	cB	203	PEB	C3B-C2B	5.40	1.48	1.36
31	RG	202	PEB	C3B-C2B	5.40	1.48	1.36
31	EA	501	PEB	C3B-C2B	5.39	1.48	1.36
31	aH	203	PEB	C3B-C2B	5.39	1.48	1.36
31	B9	202	PEB	C3C-C4C	5.39	1.50	1.42
31	d4	201	PEB	C3B-C2B	5.39	1.48	1.36
31	GJ	202	PEB	C3C-C4C	5.39	1.50	1.42
31	fD	203	PEB	C3C-C4C	5.39	1.50	1.42
31	LI	203	PEB	C3B-C2B	5.39	1.48	1.36
31	HJ	202	PEB	C3B-C2B	5.39	1.48	1.36
31	TK	203	PEB	C3B-C2B	5.39	1.48	1.36
31	j4	202	PEB	C3B-C2B	5.39	1.48	1.36
31	gA	202	PEB	C3B-C2B	5.39	1.48	1.36
31	lB	202	PEB	C3B-C2B	5.39	1.48	1.36
31	mC	202	PEB	C2A-C1A	-5.39	1.47	1.52
31	BG	203	PEB	C3B-C2B	5.39	1.48	1.36
31	NG	202	PEB	C3B-C2B	5.39	1.48	1.36
33	J6	1001	CYC	C2A-C3A	5.39	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	hB	202	PEB	C3B-C2B	5.39	1.48	1.36
32	Q4	202	PUB	C2C-C3C	5.39	1.48	1.36
31	PG	202	PEB	C3B-C2B	5.39	1.48	1.36
31	a4	201	PEB	C3B-C2B	5.39	1.48	1.36
31	u8	201	PEB	C3C-C4C	5.39	1.50	1.42
31	mH	202	PEB	C3B-C2B	5.39	1.48	1.36
31	C8	203	PEB	C3B-C2B	5.39	1.48	1.36
31	kF	201	PEB	C3B-C2B	5.39	1.48	1.36
31	T1	203	PEB	C3B-C2B	5.39	1.48	1.36
31	YI	201	PEB	C3C-C4C	5.39	1.50	1.42
31	b2	202	PEB	C3C-C4C	5.39	1.50	1.42
31	VK	201	PEB	C3B-C2B	5.38	1.48	1.36
31	N7	201	PEB	C3B-C2B	5.38	1.48	1.36
31	G5	202	PEB	C3C-C4C	5.38	1.50	1.42
31	O8	201	PEB	C3B-C2B	5.38	1.48	1.36
31	PD	201	PEB	C3B-C2B	5.38	1.48	1.36
31	CG	202	PEB	C3B-C2B	5.38	1.48	1.36
31	eE	201	PEB	C3B-C2B	5.38	1.48	1.36
31	R1	202	PEB	C3C-C4C	5.38	1.50	1.42
31	IG	202	PEB	C3B-C2B	5.38	1.48	1.36
31	N7	202	PEB	C3B-C2B	5.38	1.48	1.36
31	aB	202	PEB	C3B-C2B	5.38	1.48	1.36
31	TG	201	PEB	C3B-C2B	5.38	1.48	1.36
31	ZC	202	PEB	C3C-C4C	5.38	1.50	1.42
31	AG	202	PEB	C3B-C2B	5.38	1.48	1.36
31	GG	203	PEB	C3B-C2B	5.38	1.48	1.36
31	PH	202	PEB	C3B-C2B	5.38	1.48	1.36
31	U8	202	PEB	C3B-C2B	5.38	1.48	1.36
33	W3	1001	CYC	C3B-C2B	5.38	1.48	1.36
31	MK	202	PEB	C3B-C2B	5.38	1.48	1.36
31	dE	202	PEB	C3B-C2B	5.38	1.48	1.36
31	kF	203	PEB	C3B-C2B	5.38	1.48	1.36
31	G4	201	PEB	C3B-C2B	5.38	1.48	1.36
31	hH	201	PEB	C3B-C2B	5.38	1.48	1.36
31	fF	201	PEB	C3B-C2B	5.37	1.48	1.36
31	TJ	203	PEB	C3C-C4C	5.37	1.50	1.42
31	WI	203	PEB	C3B-C2B	5.37	1.48	1.36
31	J5	201	PEB	C3B-C2B	5.37	1.48	1.36
31	QC	203	PEB	C3B-C2B	5.37	1.48	1.36
32	CI	203	PUB	C2C-C3C	5.37	1.48	1.36
31	sF	201	PEB	C3B-C2B	5.37	1.48	1.36
31	o8	201	PEB	C3C-C4C	5.37	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	WC	203	PEB	C3B-C2B	5.37	1.48	1.36
31	DJ	201	PEB	C3B-C2B	5.37	1.48	1.36
31	B7	202	PEB	C3B-C2B	5.37	1.48	1.36
31	c8	202	PEB	C3B-C2B	5.37	1.48	1.36
31	DI	203	PEB	C3C-C4C	5.37	1.50	1.42
31	v8	202	PEB	C3C-C4C	5.37	1.50	1.42
31	MF	202	PEB	C3B-C2B	5.37	1.48	1.36
31	bF	202	PEB	C3B-C2B	5.37	1.48	1.36
32	AC	303	PUB	C2B-C1B	5.37	1.50	1.42
31	WA	402	PEB	C3B-C2B	5.37	1.48	1.36
31	EH	203	PEB	C3B-C2B	5.37	1.48	1.36
31	WI	202	PEB	C3B-C2B	5.37	1.48	1.36
31	P2	202	PEB	C3B-C2B	5.37	1.48	1.36
31	k6	201	PEB	C3B-C2B	5.37	1.48	1.36
32	ZI	305	PUB	C2C-C3C	5.37	1.48	1.36
31	GG	201	PEB	C3B-C2B	5.37	1.48	1.36
31	b2	201	PEB	C3B-C2B	5.36	1.48	1.36
31	B7	201	PEB	C3B-C2B	5.36	1.48	1.36
31	RG	203	PEB	C3B-C2B	5.36	1.48	1.36
31	dC	202	PEB	C3B-C2B	5.36	1.48	1.36
31	H1	202	PEB	C3B-C2B	5.36	1.48	1.36
31	LJ	201	PEB	C3B-C2B	5.36	1.48	1.36
31	M1	202	PEB	C3B-C2B	5.36	1.48	1.36
31	lD	203	PEB	C3B-C2B	5.36	1.48	1.36
31	i8	203	PEB	C3B-C2B	5.36	1.48	1.36
31	g4	202	PEB	C3C-C4C	5.36	1.50	1.42
31	T2	201	PEB	C3B-C2B	5.36	1.48	1.36
31	W2	203	PEB	C3B-C2B	5.36	1.48	1.36
31	dC	201	PEB	C3B-C2B	5.36	1.48	1.36
31	PC	202	PEB	C3B-C2B	5.36	1.48	1.36
31	LC	1002	PEB	C3B-C2B	5.36	1.48	1.36
31	OF	201	PEB	C3B-C2B	5.36	1.48	1.36
31	Q2	203	PEB	C3B-C2B	5.36	1.48	1.36
33	y3	1001	CYC	C3B-C2B	5.36	1.48	1.36
31	ZB	201	PEB	C3C-C4C	5.36	1.50	1.42
31	YF	201	PEB	C3B-C2B	5.36	1.48	1.36
31	jH	202	PEB	C3B-C2B	5.36	1.48	1.36
31	DG	202	PEB	C3C-C4C	5.36	1.50	1.42
31	HK	202	PEB	C3B-C2B	5.36	1.48	1.36
31	C5	201	PEB	C3B-C2B	5.36	1.48	1.36
31	SI	203	PEB	C3C-C4C	5.36	1.50	1.42
31	TG	203	PEB	C3B-C2B	5.36	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	EC	1001	CYC	C3B-C2B	5.36	1.48	1.36
31	dA	201	PEB	C3B-C2B	5.36	1.48	1.36
31	D4	201	PEB	C3B-C2B	5.36	1.48	1.36
31	jB	201	PEB	C3C-C4C	5.36	1.50	1.42
31	e6	202	PEB	C3B-C2B	5.36	1.48	1.36
31	CJ	201	PEB	C3B-C2B	5.36	1.48	1.36
31	K1	202	PEB	C3B-C2B	5.36	1.48	1.36
31	d2	202	PEB	C3B-C2B	5.36	1.48	1.36
31	IH	201	PEB	C3B-C2B	5.35	1.48	1.36
31	BI	201	PEB	C3B-C2B	5.35	1.48	1.36
31	lF	202	PEB	C3B-C2B	5.35	1.48	1.36
31	QE	203	PEB	C3C-C4C	5.35	1.50	1.42
31	CF	203	PEB	C3B-C2B	5.35	1.48	1.36
31	d4	202	PEB	C3B-C2B	5.35	1.48	1.36
31	OF	203	PEB	C3C-C4C	5.35	1.50	1.42
31	NG	203	PEB	C3B-C2B	5.35	1.48	1.36
31	I9	202	PEB	C3B-C2B	5.35	1.48	1.36
31	C4	202	PEB	C3B-C2B	5.35	1.48	1.36
31	BK	203	PEB	C3B-C2B	5.35	1.48	1.36
31	h8	202	PEB	C3B-C2B	5.35	1.48	1.36
31	s8	201	PEB	C3B-C2B	5.35	1.48	1.36
31	JJ	203	PEB	C3C-C4C	5.35	1.50	1.42
31	PJ	202	PEB	C3C-C4C	5.35	1.50	1.42
31	G7	203	PEB	C3B-C2B	5.35	1.48	1.36
31	KK	202	PEB	C3B-C2B	5.35	1.48	1.36
31	c6	203	PEB	C3C-C4C	5.35	1.50	1.42
31	fE	203	PEB	C3C-C4C	5.35	1.50	1.42
31	aF	203	PEB	C3B-C2B	5.35	1.48	1.36
31	m8	202	PEB	C3B-C2B	5.35	1.48	1.36
31	l6	202	PEB	C3B-C2B	5.35	1.48	1.36
31	T7	201	PEB	C3B-C2B	5.35	1.48	1.36
31	f4	201	PEB	C3B-C2B	5.34	1.48	1.36
31	k8	201	PEB	C3B-C2B	5.34	1.48	1.36
31	E7	202	PEB	C3B-C2B	5.34	1.48	1.36
31	q8	203	PEB	C3B-C2B	5.34	1.48	1.36
31	V7	202	PEB	C3B-C2B	5.34	1.48	1.36
31	V9	202	PEB	C3B-C2B	5.34	1.48	1.36
31	lC	201	PEB	C3C-C4C	5.34	1.50	1.42
31	TC	201	PEB	C3B-C2B	5.34	1.48	1.36
31	BJ	201	PEB	C3B-C2B	5.34	1.48	1.36
31	V1	202	PEB	C3B-C2B	5.34	1.48	1.36
31	MK	201	PEB	C3B-C2B	5.34	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L8	201	PEB	C3B-C2B	5.34	1.48	1.36
31	gF	202	PEB	C3B-C2B	5.34	1.48	1.36
31	XH	201	PEB	C3C-C4C	5.34	1.50	1.42
31	VK	202	PEB	C3B-C2B	5.34	1.48	1.36
31	kB	201	PEB	C3B-C2B	5.34	1.48	1.36
31	O9	202	PEB	C3C-C4C	5.34	1.50	1.42
31	a8	203	PEB	C3B-C2B	5.34	1.48	1.36
31	UK	202	PEB	C3C-C4C	5.34	1.50	1.42
31	j8	201	PEB	C3C-C4C	5.34	1.50	1.42
31	PJ	203	PEB	C3B-C2B	5.33	1.48	1.36
31	S2	202	PEB	C3B-C2B	5.33	1.48	1.36
31	O4	203	PEB	C3B-C2B	5.33	1.48	1.36
31	bC	201	PEB	C3B-C2B	5.33	1.48	1.36
32	AE	302	PUB	C2C-C3C	5.33	1.48	1.36
31	b8	201	PEB	C3C-C4C	5.33	1.50	1.42
31	RK	203	PEB	C3B-C2B	5.33	1.48	1.36
31	UA	304	PEB	C3C-C4C	5.33	1.50	1.42
31	C9	202	PEB	C3B-C2B	5.33	1.48	1.36
32	A2	303	PUB	C2B-C1B	5.33	1.50	1.42
31	WA	401	PEB	C3B-C2B	5.33	1.48	1.36
31	T9	202	PEB	C3B-C2B	5.33	1.48	1.36
31	g6	202	PEB	C3B-C2B	5.33	1.48	1.36
31	P9	202	PEB	C3B-C2B	5.33	1.48	1.36
31	NF	201	PEB	C3B-C2B	5.33	1.48	1.36
31	nF	202	PEB	C3B-C2B	5.33	1.48	1.36
31	aA	202	PEB	C3C-C4C	5.33	1.50	1.42
31	QH	203	PEB	C3B-C2B	5.33	1.48	1.36
31	U2	201	PEB	C3B-C2B	5.33	1.48	1.36
31	Y2	202	PEB	C3B-C2B	5.33	1.48	1.36
31	B1	203	PEB	C3B-C2B	5.33	1.48	1.36
31	kC	201	PEB	C3C-C4C	5.33	1.50	1.42
31	M4	203	PEB	C3B-C2B	5.33	1.48	1.36
31	B9	202	PEB	C3B-C2B	5.33	1.48	1.36
31	LF	201	PEB	C3B-C2B	5.33	1.48	1.36
31	Q7	203	PEB	C3B-C2B	5.33	1.48	1.36
31	fC	201	PEB	C3C-C4C	5.33	1.50	1.42
31	E9	202	PEB	C3B-C2B	5.33	1.48	1.36
31	cE	202	PEB	C3B-C2B	5.33	1.48	1.36
31	W5	201	PEB	C3B-C2B	5.33	1.48	1.36
31	QD	201	PEB	C3C-C4C	5.33	1.50	1.42
31	cC	201	PEB	C3C-C4C	5.32	1.50	1.42
31	N9	202	PEB	C3B-C2B	5.32	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L2	1002	PEB	C3B-C2B	5.32	1.48	1.36
31	DD	1002	PEB	C3B-C2B	5.32	1.48	1.36
31	aB	203	PEB	C3B-C2B	5.32	1.48	1.36
31	D1	203	PEB	C3C-C4C	5.32	1.50	1.42
32	AH	304	PUB	C2C-C3C	5.32	1.48	1.36
31	fH	201	PEB	C3B-C2B	5.32	1.48	1.36
31	P5	203	PEB	C3B-C2B	5.32	1.48	1.36
31	fB	202	PEB	C3B-C2B	5.32	1.48	1.36
31	T4	201	PEB	C3B-C2B	5.32	1.48	1.36
31	MI	302	PEB	C3B-C2B	5.32	1.48	1.36
31	AB	301	PEB	C3B-C2B	5.32	1.48	1.36
31	JF	201	PEB	C3B-C2B	5.32	1.48	1.36
33	LD	1001	CYC	C3B-C2B	5.32	1.48	1.36
33	C6	1001	CYC	C2A-C3A	5.32	1.48	1.36
31	P5	202	PEB	C3C-C4C	5.32	1.50	1.42
31	D5	203	PEB	C3B-C2B	5.32	1.48	1.36
31	G9	202	PEB	C3B-C2B	5.32	1.48	1.36
31	AE	301	PEB	C3B-C2B	5.32	1.48	1.36
31	c2	201	PEB	C3C-C4C	5.32	1.50	1.42
31	y8	301	PEB	C3C-C4C	5.32	1.50	1.42
31	U5	202	PEB	C3B-C2B	5.32	1.48	1.36
31	V6	202	PEB	C3C-C4C	5.32	1.50	1.42
31	K4	203	PEB	C3B-C2B	5.32	1.48	1.36
31	A9	202	PEB	C3B-C2B	5.31	1.48	1.36
31	OJ	202	PEB	C3C-C4C	5.31	1.50	1.42
31	B5	201	PEB	C3B-C2B	5.31	1.48	1.36
32	Q4	202	PUB	C2B-C1B	5.31	1.50	1.42
31	mF	202	PEB	C3B-C2B	5.31	1.48	1.36
33	J2	1001	CYC	C3B-C2B	5.31	1.48	1.36
31	QA	203	PEB	C3B-C2B	5.31	1.48	1.36
31	T7	202	PEB	C3B-C2B	5.31	1.48	1.36
31	E4	202	PEB	C3B-C2B	5.31	1.48	1.36
31	k2	201	PEB	C3C-C4C	5.31	1.50	1.42
31	l6	201	PEB	C3C-C4C	5.31	1.50	1.42
31	Y8	202	PEB	C3C-C4C	5.31	1.50	1.42
31	TF	201	PEB	C3B-C2B	5.31	1.48	1.36
31	rF	202	PEB	C3B-C2B	5.31	1.48	1.36
33	BE	1001	CYC	C2A-C3A	5.31	1.48	1.36
31	FI	203	PEB	C3C-C4C	5.31	1.50	1.42
31	D8	201	PEB	C3C-C4C	5.31	1.50	1.42
31	UA	303	PEB	C3B-C2B	5.31	1.48	1.36
31	b8	202	PEB	C3B-C2B	5.31	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	D9	203	PEB	C3B-C2B	5.31	1.48	1.36
31	i4	202	PEB	C3B-C2B	5.31	1.48	1.36
31	SH	201	PEB	C3B-C2B	5.31	1.48	1.36
33	K6	1001	CYC	C2A-C3A	5.31	1.48	1.36
31	UH	203	PEB	C3B-C2B	5.30	1.48	1.36
31	M1	201	PEB	C3B-C2B	5.30	1.48	1.36
31	R9	202	PEB	C3B-C2B	5.30	1.48	1.36
33	JB	1001	CYC	C2A-C3A	5.30	1.48	1.36
31	dC	201	PEB	C3C-C4C	5.30	1.50	1.42
31	UC	201	PEB	C3B-C2B	5.30	1.48	1.36
31	ZI	301	PEB	C3B-C2B	5.30	1.48	1.36
31	Y7	504	PEB	C3B-C2B	5.30	1.48	1.36
31	b8	201	PEB	C3B-C2B	5.30	1.48	1.36
31	dB	202	PEB	C3B-C2B	5.30	1.48	1.36
31	k4	202	PEB	C3B-C2B	5.30	1.48	1.36
33	LE	1001	CYC	C3B-C2B	5.30	1.48	1.36
31	ZA	202	PEB	C3B-C2B	5.30	1.48	1.36
31	FG	202	PEB	C3B-C2B	5.30	1.48	1.36
31	k2	201	PEB	C3B-C2B	5.30	1.48	1.36
31	R4	201	PEB	C3B-C2B	5.30	1.48	1.36
31	S4	202	PEB	C3B-C2B	5.30	1.48	1.36
31	hA	301	PEB	C3B-C2B	5.30	1.48	1.36
31	Z4	201	PEB	C3B-C2B	5.30	1.48	1.36
31	UD	202	PEB	C3B-C2B	5.30	1.48	1.36
31	J7	201	PEB	C3B-C2B	5.30	1.48	1.36
31	i6	203	PEB	C3C-C4C	5.30	1.50	1.42
31	QC	203	PEB	C3C-C4C	5.30	1.50	1.42
31	YC	202	PEB	C3B-C2B	5.30	1.48	1.36
31	lE	203	PEB	C3B-C2B	5.30	1.48	1.36
31	iB	201	PEB	C3B-C2B	5.30	1.48	1.36
31	WJ	201	PEB	C3C-C4C	5.30	1.50	1.42
31	cD	202	PEB	C3B-C2B	5.30	1.48	1.36
31	J5	203	PEB	C3C-C4C	5.30	1.50	1.42
31	S5	202	PEB	C3B-C2B	5.30	1.48	1.36
31	E4	203	PEB	C3B-C2B	5.29	1.48	1.36
31	X4	202	PEB	C3B-C2B	5.29	1.48	1.36
31	Q8	201	PEB	C3C-C4C	5.29	1.50	1.42
31	AG	203	PEB	C3B-C2B	5.29	1.48	1.36
31	iF	202	PEB	C3B-C2B	5.29	1.48	1.36
31	kC	201	PEB	C3B-C2B	5.29	1.48	1.36
33	73	1002	CYC	C3B-C2B	5.29	1.48	1.36
31	g4	202	PEB	C3B-C2B	5.29	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	FD	201	CYC	C3B-C2B	5.29	1.48	1.36
31	S9	201	PEB	C3B-C2B	5.29	1.48	1.36
31	X9	202	PEB	C3B-C2B	5.29	1.48	1.36
31	BA	201	PEB	C3B-C2B	5.29	1.48	1.36
31	A8	202	PEB	C3C-C4C	5.29	1.50	1.42
31	EJ	201	PEB	C3B-C2B	5.29	1.48	1.36
31	S9	201	PEB	C3C-C4C	5.29	1.50	1.42
31	jE	202	PEB	C3C-C4C	5.29	1.50	1.42
31	QF	201	PEB	C3C-C4C	5.29	1.50	1.42
31	L1	201	PEB	C3B-C2B	5.29	1.48	1.36
31	NA	202	PEB	C3B-C2B	5.29	1.48	1.36
31	V1	202	PEB	C3C-C4C	5.29	1.50	1.42
31	a4	202	PEB	C3B-C2B	5.29	1.48	1.36
31	D7	202	PEB	C3B-C2B	5.29	1.48	1.36
31	J8	201	PEB	C3B-C2B	5.29	1.48	1.36
31	K9	202	PEB	C3B-C2B	5.29	1.48	1.36
31	fD	202	PEB	C3B-C2B	5.29	1.48	1.36
31	h4	201	PEB	C3B-C2B	5.29	1.48	1.36
31	HH	202	PEB	C3B-C2B	5.29	1.48	1.36
31	QJ	202	PEB	C3B-C2B	5.29	1.48	1.36
31	d2	201	PEB	C3B-C2B	5.29	1.48	1.36
31	Z6	202	PEB	C3B-C2B	5.29	1.48	1.36
31	LG	201	PEB	C3B-C2B	5.28	1.48	1.36
31	TC	202	PEB	C3B-C2B	5.28	1.48	1.36
31	f6	202	PEB	C3B-C2B	5.28	1.48	1.36
31	DE	1002	PEB	C3B-C2B	5.28	1.48	1.36
31	O4	201	PEB	C3B-C2B	5.28	1.48	1.36
31	T8	201	PEB	C3B-C2B	5.28	1.48	1.36
31	bF	201	PEB	C3C-C4C	5.28	1.50	1.42
31	iB	203	PEB	C3C-C4C	5.28	1.50	1.42
31	HG	202	PEB	C3B-C2B	5.28	1.48	1.36
31	QD	202	PEB	C3B-C2B	5.28	1.48	1.36
31	a6	203	PEB	C3B-C2B	5.28	1.48	1.36
33	CC	1001	CYC	C2A-C3A	5.28	1.48	1.36
33	BD	1001	CYC	C2A-C3A	5.28	1.48	1.36
31	CA	201	PEB	C3C-C4C	5.28	1.50	1.42
31	QD	203	PEB	C3C-C4C	5.28	1.50	1.42
31	IK	202	PEB	C3B-C2B	5.28	1.48	1.36
31	eD	201	PEB	C3B-C2B	5.28	1.48	1.36
31	AF	202	PEB	C3C-C4C	5.28	1.50	1.42
31	UJ	202	PEB	C3B-C2B	5.28	1.48	1.36
31	P7	202	PEB	C3B-C2B	5.28	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	PA	201	PEB	C3C-C4C	5.28	1.50	1.42
31	GK	202	PEB	C3C-C4C	5.28	1.50	1.42
31	OI	203	PEB	C3C-C4C	5.28	1.50	1.42
31	zF	501	PEB	C3C-C4C	5.28	1.50	1.42
31	V4	202	PEB	C3B-C2B	5.28	1.47	1.36
31	S7	201	PEB	C3B-C2B	5.28	1.47	1.36
33	FE	1001	CYC	C3B-C2B	5.28	1.47	1.36
31	DK	203	PEB	C3C-C4C	5.28	1.50	1.42
31	f2	203	PEB	C3C-C4C	5.28	1.50	1.42
31	hF	202	PEB	C3B-C2B	5.28	1.47	1.36
31	RK	202	PEB	C3B-C2B	5.28	1.47	1.36
31	O5	202	PEB	C3C-C4C	5.27	1.50	1.42
31	SE	202	PEB	C3B-C2B	5.27	1.47	1.36
31	e8	201	PEB	C3B-C2B	5.27	1.47	1.36
31	EK	202	PEB	C3B-C2B	5.27	1.47	1.36
31	w8	301	PEB	C3B-C2B	5.27	1.47	1.36
33	FC	1001	CYC	C2A-C3A	5.27	1.47	1.36
31	XK	201	PEB	C3B-C2B	5.27	1.47	1.36
31	R1	202	PEB	C3B-C2B	5.27	1.47	1.36
33	H3	1001	CYC	C3B-C2B	5.27	1.47	1.36
31	SG	202	PEB	C3B-C2B	5.27	1.47	1.36
31	l4	202	PEB	C3B-C2B	5.27	1.47	1.36
31	JG	202	PEB	C3C-C4C	5.27	1.50	1.42
31	P4	202	PEB	C3B-C2B	5.27	1.47	1.36
31	QE	201	PEB	C3C-C4C	5.27	1.50	1.42
31	c6	201	PEB	C3B-C2B	5.27	1.47	1.36
33	JC	1001	CYC	C2A-C3A	5.27	1.47	1.36
33	h3	1001	CYC	C3B-C2B	5.27	1.47	1.36
31	Y9	203	PEB	C3C-C4C	5.27	1.50	1.42
31	SC	201	PEB	C3B-C2B	5.27	1.47	1.36
31	qF	203	PEB	C3B-C2B	5.27	1.47	1.36
31	s8	202	PEB	C3C-C4C	5.27	1.50	1.42
31	Q5	202	PEB	C3B-C2B	5.27	1.47	1.36
33	N2	1001	CYC	C3B-C2B	5.27	1.47	1.36
33	n3	1001	CYC	C3B-C2B	5.27	1.47	1.36
31	l2	203	PEB	C3C-C4C	5.27	1.50	1.42
33	CB	1001	CYC	C2A-C3A	5.27	1.47	1.36
33	w3	1001	CYC	C3B-C2B	5.27	1.47	1.36
31	d6	202	PEB	C3B-C2B	5.27	1.47	1.36
31	G1	202	PEB	C3C-C4C	5.27	1.50	1.42
31	g6	203	PEB	C3C-C4C	5.27	1.50	1.42
31	PB	201	PEB	C3B-C2B	5.26	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A7	203	PEB	C3B-C2B	5.26	1.47	1.36
33	f3	1001	CYC	C3B-C2B	5.26	1.47	1.36
33	u3	1001	CYC	C3B-C2B	5.26	1.47	1.36
31	L5	201	PEB	C3B-C2B	5.26	1.47	1.36
31	LI	201	PEB	C3B-C2B	5.26	1.47	1.36
31	N8	201	PEB	C3B-C2B	5.26	1.47	1.36
33	L3	1001	CYC	C3B-C2B	5.26	1.47	1.36
31	A2	302	PEB	C3C-C4C	5.26	1.50	1.42
31	cA	402	PEB	C3B-C2B	5.26	1.47	1.36
31	dE	201	PEB	C3B-C2B	5.26	1.47	1.36
31	C8	202	PEB	C3C-C4C	5.26	1.50	1.42
33	q3	1001	CYC	C3B-C2B	5.26	1.47	1.36
31	J7	202	PEB	C3B-C2B	5.26	1.47	1.36
31	DI	203	PEB	C3B-C2B	5.26	1.47	1.36
33	KB	1001	CYC	C2A-C3A	5.26	1.47	1.36
33	d3	1001	CYC	C3B-C2B	5.26	1.47	1.36
31	JI	202	PEB	C3B-C2B	5.26	1.47	1.36
31	V4	201	PEB	C3B-C2B	5.26	1.47	1.36
31	wF	301	PEB	C3B-C2B	5.26	1.47	1.36
33	JC	1001	CYC	C3B-C2B	5.26	1.47	1.36
33	D3	1001	CYC	C3B-C2B	5.26	1.47	1.36
31	PA	201	PEB	C3B-C2B	5.26	1.47	1.36
31	QE	203	PEB	C3B-C2B	5.26	1.47	1.36
31	T2	202	PEB	C3B-C2B	5.26	1.47	1.36
31	eH	202	PEB	C3B-C2B	5.26	1.47	1.36
31	MH	203	PEB	C3B-C2B	5.26	1.47	1.36
31	k2	202	PEB	C3B-C2B	5.25	1.47	1.36
31	SH	203	PEB	C3B-C2B	5.25	1.47	1.36
31	DJ	203	PEB	C3B-C2B	5.25	1.47	1.36
31	bF	201	PEB	C3B-C2B	5.25	1.47	1.36
33	F2	1001	CYC	C2A-C3A	5.25	1.47	1.36
33	S3	1001	CYC	C3B-C2B	5.25	1.47	1.36
31	XA	201	PEB	C3B-C2B	5.25	1.47	1.36
31	UF	202	PEB	C3B-C2B	5.25	1.47	1.36
31	fC	203	PEB	C3C-C4C	5.25	1.50	1.42
31	LK	201	PEB	C3B-C2B	5.25	1.47	1.36
31	OG	203	PEB	C3B-C2B	5.25	1.47	1.36
33	k3	1001	CYC	C3B-C2B	5.25	1.47	1.36
31	d6	202	PEB	C3C-C4C	5.25	1.50	1.42
32	ZI	302	PUB	C2B-C1B	5.25	1.50	1.42
31	kC	202	PEB	C3B-C2B	5.25	1.47	1.36
31	e4	201	PEB	C3B-C2B	5.25	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L9	203	PEB	C3B-C2B	5.25	1.47	1.36
31	MI	305	PEB	C3B-C2B	5.25	1.47	1.36
31	I1	202	PEB	C3B-C2B	5.25	1.47	1.36
31	KA	304	PEB	C3B-C2B	5.25	1.47	1.36
31	QE	202	PEB	C3B-C2B	5.25	1.47	1.36
31	G5	202	PEB	C3B-C2B	5.25	1.47	1.36
31	Q2	203	PEB	C3C-C4C	5.25	1.50	1.42
31	p8	201	PEB	C3C-C4C	5.25	1.50	1.42
31	P8	201	PEB	C3B-C2B	5.25	1.47	1.36
31	IA	203	PEB	C3B-C2B	5.25	1.47	1.36
31	e2	201	PEB	C3B-C2B	5.25	1.47	1.36
31	fE	202	PEB	C3B-C2B	5.25	1.47	1.36
31	cA	401	PEB	C3B-C2B	5.25	1.47	1.36
31	jB	202	PEB	C3B-C2B	5.25	1.47	1.36
31	W5	201	PEB	C3C-C4C	5.25	1.50	1.42
31	eB	202	PEB	C3C-C4C	5.25	1.50	1.42
31	lC	202	PEB	C3C-C4C	5.25	1.50	1.42
31	tF	202	PEB	C3B-C2B	5.25	1.47	1.36
31	q8	202	PEB	C3B-C2B	5.25	1.47	1.36
31	fA	301	PEB	C3B-C2B	5.25	1.47	1.36
33	J3	1001	CYC	C2A-C3A	5.25	1.47	1.36
31	VK	202	PEB	C3C-C4C	5.25	1.50	1.42
31	Q5	201	PEB	C3C-C4C	5.25	1.50	1.42
31	iD	202	PEB	C3C-C4C	5.25	1.50	1.42
31	e4	202	PEB	C3B-C2B	5.24	1.47	1.36
31	E5	201	PEB	C3B-C2B	5.24	1.47	1.36
31	qF	202	PEB	C3B-C2B	5.24	1.47	1.36
31	AJ	302	PEB	C3C-C4C	5.24	1.50	1.42
31	JI	201	PEB	C3B-C2B	5.24	1.47	1.36
31	mE	203	PEB	C3B-C2B	5.24	1.47	1.36
31	DH	201	PEB	C3B-C2B	5.24	1.47	1.36
33	F3	1001	CYC	C3B-C2B	5.24	1.47	1.36
33	I3	1001	CYC	C3B-C2B	5.24	1.47	1.36
31	U7	202	PEB	C3C-C4C	5.24	1.50	1.42
31	kH	201	PEB	C3B-C2B	5.24	1.47	1.36
33	l3	1001	CYC	C2A-C3A	5.24	1.47	1.36
31	B5	202	PEB	C3C-C4C	5.24	1.50	1.42
33	B3	1001	CYC	C3B-C2B	5.24	1.47	1.36
31	HI	201	PEB	C3C-C4C	5.24	1.50	1.42
31	e6	202	PEB	C3C-C4C	5.24	1.50	1.42
31	SC	202	PEB	C3B-C2B	5.24	1.47	1.36
31	AC	302	PEB	C3C-C4C	5.24	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	B1	202	PEB	C3C-C4C	5.24	1.50	1.42
31	AC	305	PEB	C3C-C4C	5.24	1.50	1.42
31	f4	203	PEB	C3B-C2B	5.24	1.47	1.36
31	cB	201	PEB	C3B-C2B	5.24	1.47	1.36
33	o3	1001	CYC	C3B-C2B	5.24	1.47	1.36
31	i8	202	PEB	C3B-C2B	5.24	1.47	1.36
31	Z9	302	PEB	C3C-C4C	5.24	1.50	1.42
31	kF	202	PEB	C3C-C4C	5.24	1.50	1.42
31	fH	201	PEB	C3C-C4C	5.24	1.50	1.42
31	b2	203	PEB	C3B-C2B	5.24	1.47	1.36
31	A6	301	PEB	C3B-C2B	5.24	1.47	1.36
31	G1	202	PEB	C3B-C2B	5.24	1.47	1.36
31	H9	203	PEB	C3B-C2B	5.24	1.47	1.36
33	O3	1001	CYC	C3B-C2B	5.24	1.47	1.36
31	OA	201	PEB	C3B-C2B	5.24	1.47	1.36
31	S2	201	PEB	C3B-C2B	5.24	1.47	1.36
31	L7	202	PEB	C3B-C2B	5.24	1.47	1.36
32	AD	303	PUB	C2C-C3C	5.24	1.47	1.36
33	M3	1001	CYC	C3B-C2B	5.24	1.47	1.36
31	XJ	202	PEB	C3C-C4C	5.24	1.50	1.42
31	X5	202	PEB	C3C-C4C	5.24	1.50	1.42
31	M9	302	PEB	C3C-C4C	5.24	1.50	1.42
31	bD	201	PEB	C3C-C4C	5.24	1.50	1.42
31	S4	203	PEB	C3B-C2B	5.24	1.47	1.36
31	mH	201	PEB	C3B-C2B	5.23	1.47	1.36
33	NC	1001	CYC	C3B-C2B	5.23	1.47	1.36
31	X1	201	PEB	C3B-C2B	5.23	1.47	1.36
33	73	1001	CYC	C3B-C2B	5.23	1.47	1.36
31	O6	202	PEB	C3B-C2B	5.23	1.47	1.36
33	T3	1001	CYC	C3B-C2B	5.23	1.47	1.36
31	A5	302	PEB	C3C-C4C	5.23	1.50	1.42
31	O7	201	PEB	C3B-C2B	5.23	1.47	1.36
31	ZB	202	PEB	C3B-C2B	5.23	1.47	1.36
33	e3	1001	CYC	C2A-C3A	5.23	1.47	1.36
31	RC	201	PEB	C3B-C2B	5.23	1.47	1.36
33	E3	1001	CYC	C2A-C3A	5.23	1.47	1.36
32	AE	303	PUB	C2C-C3C	5.23	1.47	1.36
33	U3	1001	CYC	C3B-C2B	5.23	1.47	1.36
33	g3	1001	CYC	C2A-C3A	5.23	1.47	1.36
31	cC	202	PEB	C3C-C4C	5.23	1.50	1.42
31	PH	201	PEB	C3B-C2B	5.23	1.47	1.36
31	eC	201	PEB	C3B-C2B	5.23	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	m3	1001	CYC	C2A-C3A	5.23	1.47	1.36
33	Q3	1001	CYC	C3B-C2B	5.23	1.47	1.36
31	i2	201	PEB	C3C-C4C	5.23	1.50	1.42
31	cA	401	PEB	C3C-C4C	5.23	1.50	1.42
33	R3	1001	CYC	C2A-C3A	5.23	1.47	1.36
33	G3	1001	CYC	C2A-C3A	5.23	1.47	1.36
31	m2	202	PEB	C3C-C4C	5.23	1.50	1.42
31	r8	202	PEB	C3B-C2B	5.23	1.47	1.36
31	BA	203	PEB	C3B-C2B	5.23	1.47	1.36
31	k4	201	PEB	C3B-C2B	5.23	1.47	1.36
31	ZI	304	PEB	C3B-C2B	5.23	1.47	1.36
31	VH	201	PEB	C3B-C2B	5.23	1.47	1.36
31	W6	201	PEB	C3C-C4C	5.22	1.50	1.42
31	F1	203	PEB	C3C-C4C	5.22	1.50	1.42
31	SI	203	PEB	C3B-C2B	5.22	1.47	1.36
31	j6	202	PEB	C3B-C2B	5.22	1.47	1.36
33	J3	1001	CYC	C3B-C2B	5.22	1.47	1.36
31	YJ	202	PEB	C3C-C4C	5.22	1.50	1.42
33	C3	1001	CYC	C2A-C3A	5.22	1.47	1.36
31	mC	202	PEB	C3C-C4C	5.22	1.50	1.42
31	R4	202	PEB	C3B-C2B	5.22	1.47	1.36
31	z8	501	PEB	C3C-C4C	5.22	1.50	1.42
33	p3	1001	CYC	C2A-C3A	5.22	1.47	1.36
31	j4	201	PEB	C3C-C4C	5.22	1.50	1.42
31	jB	202	PEB	C3C-C4C	5.22	1.50	1.42
33	m3	1001	CYC	C2C-C1C	-5.22	1.47	1.52
31	OE	203	PEB	C3B-C2B	5.22	1.47	1.36
31	AD	304	PEB	C3B-C2B	5.22	1.47	1.36
33	i3	1001	CYC	C2A-C3A	5.22	1.47	1.36
33	K3	1001	CYC	C2C-C1C	-5.22	1.47	1.52
31	AH	302	PEB	C3B-C2B	5.22	1.47	1.36
31	K1	201	PEB	C3B-C2B	5.22	1.47	1.36
33	j3	1001	CYC	C3B-C2B	5.22	1.47	1.36
31	jH	203	PEB	C3B-C2B	5.22	1.47	1.36
31	LK	203	PEB	C3B-C2B	5.22	1.47	1.36
33	r3	1001	CYC	C2A-C3A	5.22	1.47	1.36
31	I4	201	PEB	C3B-C2B	5.22	1.47	1.36
31	f8	202	PEB	C3B-C2B	5.22	1.47	1.36
31	f2	201	PEB	C3C-C4C	5.22	1.50	1.42
33	c3	1001	CYC	C2A-C3A	5.22	1.47	1.36
31	UK	201	PEB	C3B-C2B	5.22	1.47	1.36
31	U1	201	PEB	C3B-C2B	5.22	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Y7	502	PEB	C3B-C2B	5.22	1.47	1.36
31	eD	202	PEB	C3C-C4C	5.22	1.50	1.42
31	SA	203	PEB	C3B-C2B	5.21	1.47	1.36
31	VC	202	PEB	C3B-C2B	5.21	1.47	1.36
31	gC	202	PEB	C3C-C4C	5.21	1.50	1.42
32	AH	303	PUB	C2C-C3C	5.21	1.47	1.36
33	G3	1001	CYC	C3B-C2B	5.21	1.47	1.36
31	SD	202	PEB	C3B-C2B	5.21	1.47	1.36
32	AB	303	PUB	C2C-C3C	5.21	1.47	1.36
31	RD	202	PEB	C3B-C2B	5.21	1.47	1.36
31	GK	202	PEB	C3B-C2B	5.21	1.47	1.36
31	U5	201	PEB	C3B-C2B	5.21	1.47	1.36
33	C3	1001	CYC	C3B-C2B	5.21	1.47	1.36
31	NA	203	PEB	C3C-C4C	5.21	1.50	1.42
31	MJ	202	PEB	C3C-C4C	5.21	1.50	1.42
31	N4	202	PEB	C3B-C2B	5.21	1.47	1.36
31	QD	203	PEB	C3B-C2B	5.21	1.47	1.36
33	J2	1001	CYC	C2A-C3A	5.21	1.47	1.36
31	FK	203	PEB	C3C-C4C	5.21	1.50	1.42
31	SA	202	PEB	C3B-C2B	5.21	1.47	1.36
31	VK	203	PEB	C3B-C2B	5.21	1.47	1.36
33	A3	1001	CYC	C2A-C3A	5.21	1.47	1.36
31	UE	202	PEB	C3B-C2B	5.21	1.47	1.36
31	QJ	201	PEB	C3B-C2B	5.21	1.47	1.36
31	U4	201	PEB	C3B-C2B	5.21	1.47	1.36
31	UE	203	PEB	C3B-C2B	5.21	1.47	1.36
33	e3	1001	CYC	C3B-C2B	5.21	1.47	1.36
33	73	1002	CYC	C2A-C3A	5.21	1.47	1.36
33	DC	1001	CYC	C2A-C3A	5.21	1.47	1.36
31	YB	201	PEB	C3C-C4C	5.21	1.50	1.42
31	P6	201	PEB	C3B-C2B	5.21	1.47	1.36
31	WC	203	PEB	C3C-C4C	5.21	1.50	1.42
31	QG	201	PEB	C3C-C4C	5.21	1.50	1.42
31	g2	202	PEB	C3C-C4C	5.21	1.50	1.42
31	aC	201	PEB	C3C-C4C	5.21	1.50	1.42
31	JH	201	PEB	C3B-C2B	5.21	1.47	1.36
31	t8	202	PEB	C3B-C2B	5.21	1.47	1.36
31	MK	202	PEB	C3C-C4C	5.21	1.50	1.42
31	M1	202	PEB	C3C-C4C	5.21	1.50	1.42
31	c2	202	PEB	C3C-C4C	5.21	1.50	1.42
33	i3	1001	CYC	C2C-C1C	-5.21	1.47	1.52
31	TH	201	PEB	C3B-C2B	5.21	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	K3	1001	CYC	C2A-C3A	5.21	1.47	1.36
33	l3	1001	CYC	C3B-C2B	5.21	1.47	1.36
31	CH	202	PEB	C3B-C2B	5.21	1.47	1.36
33	v3	1001	CYC	C2A-C3A	5.21	1.47	1.36
31	ZH	202	PEB	C3B-C2B	5.21	1.47	1.36
31	RE	202	PEB	C3B-C2B	5.20	1.47	1.36
31	E1	202	PEB	C3B-C2B	5.20	1.47	1.36
33	HC	1001	CYC	C3B-C2B	5.20	1.47	1.36
31	U9	203	PEB	C3B-C2B	5.20	1.47	1.36
31	f6	202	PEB	C3C-C4C	5.20	1.50	1.42
31	V7	201	PEB	C3B-C2B	5.20	1.47	1.36
31	dD	201	PEB	C3B-C2B	5.20	1.47	1.36
33	T3	1001	CYC	C2A-C3A	5.20	1.47	1.36
33	t3	1001	CYC	C2A-C3A	5.20	1.47	1.36
32	MI	303	PUB	C2B-C1B	5.20	1.50	1.42
31	KK	201	PEB	C3B-C2B	5.20	1.47	1.36
31	kH	202	PEB	C3B-C2B	5.20	1.47	1.36
31	LK	203	PEB	C3C-C4C	5.20	1.50	1.42
31	x8	304	PEB	C3C-C4C	5.20	1.50	1.42
31	WF	201	PEB	C3B-C2B	5.20	1.47	1.36
31	KJ	201	PEB	C3B-C2B	5.20	1.47	1.36
31	K5	201	PEB	C3B-C2B	5.20	1.47	1.36
33	N3	1001	CYC	C2A-C3A	5.20	1.47	1.36
31	BJ	202	PEB	C3B-C2B	5.20	1.47	1.36
31	W9	203	PEB	C3B-C2B	5.20	1.47	1.36
31	UJ	201	PEB	C3C-C4C	5.20	1.50	1.42
31	IA	202	PEB	C3B-C2B	5.20	1.47	1.36
31	gB	202	PEB	C3B-C2B	5.20	1.47	1.36
33	t3	1001	CYC	C3B-C2B	5.20	1.47	1.36
31	UF	202	PEB	C3C-C4C	5.20	1.50	1.42
31	d2	201	PEB	C3C-C4C	5.20	1.50	1.42
31	J4	201	PEB	C3B-C2B	5.20	1.47	1.36
31	Q4	201	PEB	C3B-C2B	5.20	1.47	1.36
33	i3	1001	CYC	C3B-C2B	5.20	1.47	1.36
31	a4	203	PEB	C3B-C2B	5.20	1.47	1.36
31	lH	201	PEB	C3B-C2B	5.20	1.47	1.36
33	K3	1001	CYC	C3B-C2B	5.20	1.47	1.36
31	Q5	201	PEB	C3B-C2B	5.20	1.47	1.36
31	iH	202	PEB	C3B-C2B	5.20	1.47	1.36
31	FA	201	PEB	C3B-C2B	5.20	1.47	1.36
31	h6	202	PEB	C3C-C4C	5.20	1.50	1.42
31	UD	201	PEB	C3B-C2B	5.20	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UE	201	PEB	C3B-C2B	5.20	1.47	1.36
33	N6	1001	CYC	CHB-C1B	5.20	1.50	1.38
31	ZE	202	PEB	C3C-C4C	5.20	1.50	1.42
31	GA	203	PEB	C3B-C2B	5.20	1.47	1.36
31	HI	202	PEB	C3B-C2B	5.20	1.47	1.36
31	HD	1002	PEB	C3B-C2B	5.20	1.47	1.36
31	A2	305	PEB	C3C-C4C	5.20	1.50	1.42
31	C7	201	PEB	C3B-C2B	5.20	1.47	1.36
33	E3	1001	CYC	C3B-C2B	5.20	1.47	1.36
31	O6	201	PEB	C3C-C4C	5.19	1.50	1.42
31	iE	202	PEB	C3C-C4C	5.19	1.50	1.42
33	r3	1001	CYC	C3B-C2B	5.19	1.47	1.36
31	dB	202	PEB	C3C-C4C	5.19	1.50	1.42
33	P3	1001	CYC	C2A-C3A	5.19	1.47	1.36
33	R3	1001	CYC	C2C-C1C	-5.19	1.47	1.52
31	FI	203	PEB	C3B-C2B	5.19	1.47	1.36
31	a2	201	PEB	C3B-C2B	5.19	1.47	1.36
31	c2	202	PEB	C3B-C2B	5.19	1.47	1.36
31	B5	202	PEB	C3B-C2B	5.19	1.47	1.36
31	aD	201	PEB	C3C-C4C	5.19	1.50	1.42
31	GJ	202	PEB	C3B-C2B	5.19	1.47	1.36
31	aA	202	PEB	C3B-C2B	5.19	1.47	1.36
31	F6	1002	PEB	C3B-C2B	5.19	1.47	1.36
31	jD	202	PEB	C3C-C4C	5.19	1.50	1.42
31	VA	202	PEB	C3B-C2B	5.19	1.47	1.36
31	mD	203	PEB	C3B-C2B	5.19	1.47	1.36
31	DJ	202	PEB	C3C-C4C	5.19	1.50	1.42
31	D5	202	PEB	C3C-C4C	5.19	1.50	1.42
31	hB	202	PEB	C3C-C4C	5.19	1.50	1.42
31	eE	202	PEB	C3C-C4C	5.19	1.50	1.42
31	fH	202	PEB	C3B-C2B	5.19	1.47	1.36
31	WD	201	PEB	C3B-C2B	5.19	1.47	1.36
31	I1	201	PEB	C3B-C2B	5.19	1.47	1.36
31	E4	202	PEB	C3C-C4C	5.19	1.50	1.42
33	H2	1001	CYC	C3B-C2B	5.19	1.47	1.36
33	D6	1001	CYC	C2A-C3A	5.19	1.47	1.36
31	U5	201	PEB	C3C-C4C	5.19	1.50	1.42
31	lE	202	PEB	C3C-C4C	5.19	1.50	1.42
31	J9	202	PEB	C3B-C2B	5.19	1.47	1.36
31	l4	201	PEB	C3B-C2B	5.19	1.47	1.36
31	iH	201	PEB	C3B-C2B	5.19	1.47	1.36
31	eF	201	PEB	C3C-C4C	5.19	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	N3	1001	CYC	C3B-C2B	5.19	1.47	1.36
31	SJ	202	PEB	C3B-C2B	5.19	1.47	1.36
31	P2	202	PEB	C3C-C4C	5.19	1.50	1.42
31	MA	201	PEB	C3B-C2B	5.19	1.47	1.36
31	L1	202	PEB	C3B-C2B	5.19	1.47	1.36
31	LK	202	PEB	C3B-C2B	5.19	1.47	1.36
31	L4	201	PEB	C3B-C2B	5.19	1.47	1.36
31	R6	202	PEB	C3C-C4C	5.19	1.50	1.42
33	73	1002	CYC	C1C-NC	-5.19	1.30	1.37
31	M7	203	PEB	C3B-C2B	5.19	1.47	1.36
31	YF	202	PEB	C3C-C4C	5.19	1.50	1.42
32	x8	305	PUB	C2B-C1B	5.19	1.50	1.42
31	cE	201	PEB	C3B-C2B	5.19	1.47	1.36
33	r3	1001	CYC	C2C-C1C	-5.19	1.47	1.52
31	fF	202	PEB	C3B-C2B	5.19	1.47	1.36
31	Q9	201	PEB	C3B-C2B	5.18	1.47	1.36
33	R3	1001	CYC	C3B-C2B	5.18	1.47	1.36
31	WG	203	PEB	C3C-C4C	5.18	1.50	1.42
31	dD	202	PEB	C3C-C4C	5.18	1.50	1.42
33	g3	1001	CYC	C3B-C2B	5.18	1.47	1.36
31	JI	202	PEB	C3C-C4C	5.18	1.50	1.42
31	AJ	304	PEB	C3C-C4C	5.18	1.50	1.42
31	TK	201	PEB	C3B-C2B	5.18	1.47	1.36
33	P3	1001	CYC	C3B-C2B	5.18	1.47	1.36
31	Y4	202	PEB	C3B-C2B	5.18	1.47	1.36
31	eC	203	PEB	C3B-C2B	5.18	1.47	1.36
31	UJ	201	PEB	C3B-C2B	5.18	1.47	1.36
33	m3	1001	CYC	C3B-C2B	5.18	1.47	1.36
31	UI	202	PEB	C3B-C2B	5.18	1.47	1.36
31	L9	202	PEB	C3C-C4C	5.18	1.50	1.42
31	HE	1002	PEB	C3B-C2B	5.18	1.47	1.36
31	PF	201	PEB	C3B-C2B	5.18	1.47	1.36
31	mF	202	PEB	C3C-C4C	5.18	1.50	1.42
31	YI	202	PEB	C3B-C2B	5.18	1.47	1.36
31	Y9	201	PEB	C3B-C2B	5.18	1.47	1.36
31	TI	202	PEB	C3C-C4C	5.18	1.50	1.42
31	A5	301	PEB	C3C-C4C	5.18	1.50	1.42
31	v8	201	PEB	C3C-C4C	5.18	1.50	1.42
32	y8	303	PUB	C2B-C1B	5.18	1.50	1.42
31	E7	203	PEB	C3B-C2B	5.18	1.47	1.36
33	v3	1001	CYC	C3B-C2B	5.18	1.47	1.36
31	k8	202	PEB	C3C-C4C	5.18	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	ND	201	PEB	C3B-C2B	5.18	1.47	1.36
31	YH	203	PEB	C3B-C2B	5.18	1.47	1.36
31	I7	203	PEB	C3B-C2B	5.18	1.47	1.36
31	gB	203	PEB	C3C-C4C	5.18	1.50	1.42
31	lF	203	PEB	C3C-C4C	5.18	1.50	1.42
31	UD	203	PEB	C3B-C2B	5.18	1.47	1.36
31	cF	201	PEB	C3B-C2B	5.18	1.47	1.36
31	e2	201	PEB	C3C-C4C	5.18	1.50	1.42
31	C4	203	PEB	C3B-C2B	5.18	1.47	1.36
31	dH	202	PEB	C3B-C2B	5.18	1.47	1.36
31	fH	203	PEB	C3B-C2B	5.18	1.47	1.36
31	dB	201	PEB	C3C-C4C	5.17	1.50	1.42
32	x8	301	PUB	C2B-C1B	5.17	1.50	1.42
31	B4	301	PEB	C3B-C2B	5.17	1.47	1.36
33	F6	1001	CYC	C2A-C3A	5.17	1.47	1.36
31	dE	202	PEB	C3C-C4C	5.17	1.50	1.42
31	IK	201	PEB	C3B-C2B	5.17	1.47	1.36
31	vF	201	PEB	C3C-C4C	5.17	1.50	1.42
31	gH	202	PEB	C3C-C4C	5.17	1.50	1.42
31	HF	201	PEB	C3B-C2B	5.17	1.47	1.36
33	LB	1001	CYC	C2A-C3A	5.17	1.47	1.36
31	Y9	202	PEB	C3B-C2B	5.17	1.47	1.36
31	PB	202	PEB	C3B-C2B	5.17	1.47	1.36
31	PI	202	PEB	C3C-C4C	5.17	1.50	1.42
31	aA	201	PEB	C3B-C2B	5.17	1.47	1.36
33	A3	1001	CYC	C3B-C2B	5.17	1.47	1.36
31	GK	201	PEB	C3B-C2B	5.17	1.47	1.36
31	P1	202	PEB	C3B-C2B	5.17	1.47	1.36
31	FB	1002	PEB	C3B-C2B	5.17	1.47	1.36
33	e3	1001	CYC	C2C-C1C	-5.17	1.47	1.52
31	XI	201	PEB	C3C-C4C	5.17	1.50	1.42
31	a8	201	PEB	C3C-C4C	5.17	1.50	1.42
31	N1	203	PEB	C3B-C2B	5.17	1.47	1.36
31	M8	202	PEB	C3B-C2B	5.17	1.47	1.36
31	Q7	201	PEB	C3B-C2B	5.17	1.47	1.36
31	jE	201	PEB	C3B-C2B	5.17	1.47	1.36
31	ZI	303	PEB	C3C-C4C	5.17	1.50	1.42
31	G1	201	PEB	C3B-C2B	5.16	1.47	1.36
33	l3	1001	CYC	C2C-C1C	-5.16	1.47	1.52
31	FI	202	PEB	C3C-C4C	5.16	1.50	1.42
31	tF	201	PEB	C3C-C4C	5.16	1.50	1.42
31	BJ	202	PEB	C3C-C4C	5.16	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BK	202	PEB	C3C-C4C	5.16	1.50	1.42
31	WE	202	PEB	C3B-C2B	5.16	1.47	1.36
31	T5	202	PEB	C3B-C2B	5.16	1.47	1.36
31	gH	202	PEB	C3B-C2B	5.16	1.47	1.36
33	p3	1001	CYC	C3B-C2B	5.16	1.47	1.36
31	OD	203	PEB	C3C-C4C	5.16	1.50	1.42
31	LI	203	PEB	C3C-C4C	5.16	1.50	1.42
31	W2	203	PEB	C3C-C4C	5.16	1.50	1.42
33	L6	1001	CYC	C2A-C3A	5.16	1.47	1.36
31	M5	202	PEB	C3C-C4C	5.16	1.50	1.42
31	I8	203	PEB	C3B-C2B	5.16	1.47	1.36
31	II	202	PEB	C3C-C4C	5.16	1.50	1.42
31	Y6	201	PEB	C3C-C4C	5.16	1.50	1.42
31	pF	201	PEB	C3C-C4C	5.16	1.50	1.42
31	OE	202	PEB	C3B-C2B	5.16	1.47	1.36
31	VH	202	PEB	C3B-C2B	5.16	1.47	1.36
31	V1	203	PEB	C3B-C2B	5.16	1.47	1.36
33	NB	1001	CYC	CHB-C1B	5.16	1.50	1.38
31	aC	201	PEB	C3B-C2B	5.16	1.47	1.36
31	C8	203	PEB	C3C-C4C	5.16	1.50	1.42
31	T1	201	PEB	C3B-C2B	5.16	1.47	1.36
31	P6	202	PEB	C3B-C2B	5.16	1.47	1.36
32	xF	301	PUB	C2B-C1B	5.16	1.50	1.42
31	FI	202	PEB	C3B-C2B	5.16	1.47	1.36
31	LH	202	PEB	C3B-C2B	5.16	1.47	1.36
33	C2	1001	CYC	C2A-C3A	5.16	1.47	1.36
31	d6	201	PEB	C3C-C4C	5.16	1.50	1.42
31	AI	201	PEB	C3C-C4C	5.16	1.50	1.42
31	M8	201	PEB	C3C-C4C	5.16	1.50	1.42
31	iC	201	PEB	C3C-C4C	5.16	1.50	1.42
31	NE	201	PEB	C3B-C2B	5.16	1.47	1.36
31	AA	501	PEB	C3B-C2B	5.15	1.47	1.36
31	W8	201	PEB	C3B-C2B	5.15	1.47	1.36
31	ID	202	PEB	C3B-C2B	5.15	1.47	1.36
31	R6	201	PEB	C3C-C4C	5.15	1.50	1.42
31	SI	202	PEB	C3B-C2B	5.15	1.47	1.36
31	VA	202	PEB	C3C-C4C	5.15	1.50	1.42
31	PJ	202	PEB	C3B-C2B	5.15	1.47	1.36
31	P5	202	PEB	C3B-C2B	5.15	1.47	1.36
31	i6	201	PEB	C3B-C2B	5.15	1.47	1.36
31	LI	201	PEB	C3C-C4C	5.15	1.50	1.42
31	H9	202	PEB	C3B-C2B	5.15	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	bD	201	PEB	C3B-C2B	5.15	1.47	1.36
33	g3	1001	CYC	C1C-NC	-5.15	1.30	1.37
31	CI	201	PEB	C3C-C4C	5.15	1.50	1.42
31	cD	201	PEB	C3B-C2B	5.15	1.47	1.36
31	eF	201	PEB	C3B-C2B	5.15	1.47	1.36
31	UK	202	PEB	C3B-C2B	5.15	1.47	1.36
32	QH	202	PUB	C2C-C3C	5.15	1.47	1.36
31	j6	202	PEB	C3C-C4C	5.15	1.50	1.42
33	c3	1001	CYC	C2C-C1C	-5.15	1.47	1.52
31	RA	202	PEB	C3B-C2B	5.15	1.47	1.36
31	kD	201	PEB	C3B-C2B	5.15	1.47	1.36
31	aH	204	PEB	C3B-C2B	5.15	1.47	1.36
31	G4	203	PEB	C3B-C2B	5.15	1.47	1.36
31	S6	201	PEB	C3C-C4C	5.15	1.50	1.42
33	P3	1001	CYC	C2C-C1C	-5.15	1.47	1.52
31	OI	203	PEB	C3B-C2B	5.15	1.47	1.36
31	V2	202	PEB	C3B-C2B	5.15	1.47	1.36
31	L9	202	PEB	C3B-C2B	5.15	1.47	1.36
31	MI	304	PEB	C3C-C4C	5.15	1.50	1.42
31	QF	202	PEB	C3B-C2B	5.15	1.47	1.36
33	M6	1001	CYC	C2A-C3A	5.15	1.47	1.36
31	GI	201	PEB	C3C-C4C	5.15	1.50	1.42
31	ZA	201	PEB	C3B-C2B	5.15	1.47	1.36
31	aF	201	PEB	C3C-C4C	5.15	1.50	1.42
33	T3	1001	CYC	C1C-NC	-5.15	1.30	1.37
33	C3	1001	CYC	C2C-C1C	-5.15	1.47	1.52
31	IF	203	PEB	C3B-C2B	5.14	1.47	1.36
32	B4	302	PUB	C2C-C3C	5.14	1.47	1.36
33	C3	1001	CYC	C1C-NC	-5.14	1.30	1.37
32	xF	305	PUB	C2B-C1B	5.14	1.50	1.42
31	SK	202	PEB	C3B-C2B	5.14	1.47	1.36
31	DI	201	PEB	C3C-C4C	5.14	1.50	1.42
31	XI	202	PEB	C3C-C4C	5.14	1.50	1.42
31	I8	202	PEB	CHB-C4B	5.14	1.39	1.35
31	b7	502	PEB	C3B-C2B	5.14	1.47	1.36
33	J3	1001	CYC	C2C-C1C	-5.14	1.47	1.52
31	VI	202	PEB	C3C-C4C	5.14	1.50	1.42
31	e8	201	PEB	C3C-C4C	5.14	1.50	1.42
31	OD	203	PEB	C3B-C2B	5.14	1.47	1.36
31	R2	201	PEB	C3B-C2B	5.14	1.47	1.36
31	F9	201	PEB	C3B-C2B	5.14	1.47	1.36
32	M9	305	PUB	C3B-C2B	5.14	1.52	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	NK	203	PEB	C3B-C2B	5.14	1.47	1.36
33	A3	1001	CYC	C2C-C1C	-5.14	1.47	1.52
31	VC	203	PEB	C3B-C2B	5.14	1.47	1.36
32	Z9	305	PUB	C3B-C2B	5.14	1.52	1.37
31	RI	202	PEB	C3C-C4C	5.14	1.50	1.42
31	aE	201	PEB	C3C-C4C	5.14	1.50	1.42
31	mB	201	PEB	C3B-C2B	5.14	1.47	1.36
33	FB	1001	CYC	C2A-C3A	5.14	1.47	1.36
33	c3	1001	CYC	C3B-C2B	5.14	1.47	1.36
31	UB	202	PEB	C3B-C2B	5.14	1.47	1.36
31	PB	202	PEB	C3C-C4C	5.14	1.50	1.42
31	II	201	PEB	C3C-C4C	5.14	1.50	1.42
31	KI	201	PEB	C3C-C4C	5.14	1.50	1.42
31	NI	201	PEB	C3C-C4C	5.14	1.50	1.42
31	oF	203	PEB	C3C-C4C	5.14	1.50	1.42
31	J6	1002	PEB	C3B-C2B	5.14	1.47	1.36
32	A4	304	PUB	C2C-C3C	5.14	1.47	1.36
31	OB	201	PEB	C3C-C4C	5.14	1.50	1.42
31	VK	203	PEB	C3C-C4C	5.14	1.50	1.42
31	L7	201	PEB	C3C-C4C	5.14	1.50	1.42
31	U1	202	PEB	C3B-C2B	5.14	1.47	1.36
31	K5	202	PEB	C3C-C4C	5.14	1.50	1.42
31	PK	202	PEB	C3B-C2B	5.14	1.47	1.36
31	JJ	202	PEB	C3C-C4C	5.14	1.50	1.42
33	DB	1001	CYC	C3B-C2B	5.14	1.47	1.36
31	S1	201	PEB	C1A-NA	-5.14	1.31	1.37
31	ID	202	PEB	C3C-C4C	5.13	1.50	1.42
31	H8	201	PEB	C3B-C2B	5.13	1.47	1.36
31	bB	202	PEB	C3C-C4C	5.13	1.50	1.42
31	eC	201	PEB	C3C-C4C	5.13	1.50	1.42
31	QE	201	PEB	C3B-C2B	5.13	1.47	1.36
31	XF	201	PEB	C3B-C2B	5.13	1.47	1.36
31	D9	202	PEB	C3C-C4C	5.13	1.50	1.42
31	wF	302	PEB	C3C-C4C	5.13	1.50	1.42
31	cC	202	PEB	C3B-C2B	5.13	1.47	1.36
31	WB	201	PEB	C3C-C4C	5.13	1.50	1.42
31	CI	202	PEB	C3C-C4C	5.13	1.50	1.42
31	X7	201	PEB	C3C-C4C	5.13	1.50	1.42
31	kD	202	PEB	C3C-C4C	5.13	1.50	1.42
31	gD	201	PEB	C3B-C2B	5.13	1.47	1.36
31	HK	203	PEB	C3C-C4C	5.13	1.50	1.42
31	L1	203	PEB	C3B-C2B	5.13	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	EI	202	PEB	C3C-C4C	5.13	1.50	1.42
31	RI	201	PEB	C3C-C4C	5.13	1.50	1.42
31	UG	202	PEB	C3B-C2B	5.13	1.47	1.36
31	V2	203	PEB	C3B-C2B	5.13	1.47	1.36
33	G3	1001	CYC	C1C-NC	-5.13	1.31	1.37
31	BA	202	PEB	C3B-C2B	5.13	1.47	1.36
31	O4	203	PEB	C3C-C4C	5.13	1.50	1.42
31	iB	202	PEB	C3B-C2B	5.13	1.47	1.36
31	HB	1002	PEB	C3B-C2B	5.13	1.47	1.36
31	PI	201	PEB	C3B-C2B	5.13	1.47	1.36
31	K8	202	PEB	C3B-C2B	5.13	1.47	1.36
32	A6	303	PUB	C2C-C3C	5.13	1.47	1.36
31	MA	202	PEB	CHA-C1B	5.13	1.52	1.40
31	DA	203	PEB	C3C-C4C	5.13	1.50	1.42
31	QG	201	PEB	C3B-C2B	5.13	1.47	1.36
31	QJ	201	PEB	C3C-C4C	5.13	1.50	1.42
31	yF	301	PEB	C3B-C2B	5.13	1.47	1.36
31	KI	202	PEB	C3C-C4C	5.12	1.50	1.42
31	Z8	201	PEB	C3C-C4C	5.12	1.50	1.42
31	C7	202	PEB	C3B-C2B	5.12	1.47	1.36
31	b7	501	PEB	C3B-C2B	5.12	1.47	1.36
33	P3	1001	CYC	C1C-NC	-5.12	1.31	1.37
31	SD	201	PEB	C3C-C4C	5.12	1.50	1.42
31	fE	202	PEB	C3C-C4C	5.12	1.50	1.42
31	U6	202	PEB	C3B-C2B	5.12	1.47	1.36
33	t3	1001	CYC	C2C-C1C	-5.12	1.47	1.52
31	CJ	201	PEB	C3C-C4C	5.12	1.50	1.42
32	QH	202	PUB	C2B-C1B	5.12	1.50	1.42
31	KA	301	PEB	C3B-C2B	5.12	1.47	1.36
31	W9	203	PEB	C3C-C4C	5.12	1.50	1.42
31	OB	202	PEB	C3B-C2B	5.12	1.47	1.36
31	EF	202	PEB	C3B-C2B	5.12	1.47	1.36
31	XI	201	PEB	C3B-C2B	5.12	1.47	1.36
31	L7	201	PEB	C3B-C2B	5.12	1.47	1.36
31	B8	201	PEB	C3B-C2B	5.12	1.47	1.36
31	OH	203	PEB	C3B-C2B	5.12	1.47	1.36
31	LJ	203	PEB	C3B-C2B	5.12	1.47	1.36
31	i6	202	PEB	C3B-C2B	5.12	1.47	1.36
31	NI	202	PEB	C3C-C4C	5.12	1.50	1.42
31	bD	202	PEB	C3B-C2B	5.12	1.47	1.36
31	OD	202	PEB	C3B-C2B	5.12	1.47	1.36
31	kE	202	PEB	C3C-C4C	5.12	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	cH	202	PEB	C3C-C4C	5.12	1.50	1.42
31	V6	202	PEB	C3B-C2B	5.12	1.47	1.36
31	b6	202	PEB	C3C-C4C	5.12	1.50	1.42
33	N3	1001	CYC	C2C-C1C	-5.12	1.47	1.52
31	TB	203	PEB	C3B-C2B	5.12	1.47	1.36
31	II	201	PEB	C3B-C2B	5.12	1.47	1.36
31	UA	302	PEB	C3B-C2B	5.12	1.47	1.36
31	gE	201	PEB	C3B-C2B	5.12	1.47	1.36
31	o8	203	PEB	C3C-C4C	5.12	1.50	1.42
31	E8	202	PEB	C3B-C2B	5.11	1.47	1.36
33	D2	1001	CYC	C2A-C3A	5.11	1.47	1.36
31	A5	304	PEB	C3C-C4C	5.11	1.50	1.42
33	MB	1001	CYC	C2A-C3A	5.11	1.47	1.36
31	H1	203	PEB	C3C-C4C	5.11	1.50	1.42
31	QD	201	PEB	C3B-C2B	5.11	1.47	1.36
31	TI	201	PEB	C3C-C4C	5.11	1.50	1.42
31	aF	202	PEB	C3C-C4C	5.11	1.50	1.42
31	eH	201	PEB	C3B-C2B	5.11	1.47	1.36
31	X7	201	PEB	C3B-C2B	5.11	1.47	1.36
31	VA	201	PEB	C3B-C2B	5.11	1.47	1.36
31	Z4	202	PEB	C3B-C2B	5.11	1.47	1.36
31	FF	201	PEB	C3B-C2B	5.11	1.47	1.36
31	J9	201	PEB	C3B-C2B	5.11	1.47	1.36
31	KK	202	PEB	C3C-C4C	5.11	1.50	1.42
31	KF	202	PEB	C3B-C2B	5.11	1.47	1.36
31	AE	304	PEB	C3B-C2B	5.11	1.47	1.36
31	S9	202	PEB	C3B-C2B	5.11	1.47	1.36
33	D6	1001	CYC	C3B-C2B	5.11	1.47	1.36
31	SE	201	PEB	C3C-C4C	5.11	1.50	1.42
31	eD	201	PEB	C3C-C4C	5.11	1.50	1.42
32	A5	303	PUB	C2C-C3C	5.11	1.47	1.36
31	PI	201	PEB	C3C-C4C	5.11	1.50	1.42
33	y3	1001	CYC	C1C-NC	-5.11	1.31	1.37
31	V4	202	PEB	C3C-C4C	5.11	1.50	1.42
31	aB	203	PEB	C3C-C4C	5.11	1.50	1.42
31	JA	202	PEB	C3B-C2B	5.11	1.47	1.36
31	DG	202	PEB	C3B-C2B	5.11	1.47	1.36
31	OG	203	PEB	C3C-C4C	5.11	1.50	1.42
31	hD	202	PEB	C3C-C4C	5.11	1.50	1.42
31	UI	202	PEB	C3C-C4C	5.11	1.50	1.42
31	S4	201	PEB	C3C-C4C	5.11	1.50	1.42
31	VI	201	PEB	C3B-C2B	5.11	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	IB	1001	CYC	C2A-C3A	5.11	1.47	1.36
33	GD	201	CYC	C2A-C3A	5.11	1.47	1.36
31	AK	202	PEB	C3C-C4C	5.10	1.50	1.42
33	E3	1001	CYC	C2C-C1C	-5.10	1.47	1.52
31	hD	202	PEB	C3B-C2B	5.10	1.47	1.36
33	e3	1001	CYC	C1C-NC	-5.10	1.31	1.37
31	C5	201	PEB	C3C-C4C	5.10	1.50	1.42
31	Q1	202	PEB	C3B-C2B	5.10	1.47	1.36
32	AJ	303	PUB	C2C-C3C	5.10	1.47	1.36
31	a2	201	PEB	C3C-C4C	5.10	1.50	1.42
31	mH	201	PEB	C3C-C4C	5.10	1.50	1.42
31	TJ	202	PEB	C3B-C2B	5.10	1.47	1.36
31	Q6	202	PEB	CHB-C4B	5.10	1.39	1.35
31	t8	201	PEB	C3C-C4C	5.10	1.50	1.42
31	EI	201	PEB	C3B-C2B	5.10	1.47	1.36
31	gA	203	PEB	C3B-C2B	5.10	1.47	1.36
31	PF	201	PEB	C3C-C4C	5.10	1.50	1.42
31	L1	203	PEB	C3C-C4C	5.10	1.50	1.42
31	SB	201	PEB	C3B-C2B	5.10	1.47	1.36
31	Y6	202	PEB	C3B-C2B	5.10	1.47	1.36
33	m3	1001	CYC	C1C-NC	-5.10	1.31	1.37
31	bE	201	PEB	C3C-C4C	5.10	1.50	1.42
31	KJ	202	PEB	C3C-C4C	5.10	1.50	1.42
31	hE	202	PEB	C3B-C2B	5.10	1.47	1.36
33	K3	1001	CYC	C1C-NC	-5.10	1.31	1.37
31	RH	202	PEB	C3B-C2B	5.10	1.47	1.36
31	v8	202	PEB	C3B-C2B	5.10	1.47	1.36
31	NK	201	PEB	C3B-C2B	5.10	1.47	1.36
31	YB	202	PEB	C3B-C2B	5.10	1.47	1.36
31	O8	203	PEB	C3B-C2B	5.10	1.47	1.36
33	g3	1001	CYC	C2C-C1C	-5.10	1.47	1.52
31	TA	202	PEB	C3B-C2B	5.10	1.47	1.36
31	LH	201	PEB	C3B-C2B	5.10	1.47	1.36
31	hH	202	PEB	C3B-C2B	5.10	1.47	1.36
31	OE	203	PEB	C3C-C4C	5.10	1.50	1.42
31	GI	202	PEB	C3C-C4C	5.10	1.50	1.42
31	dD	203	PEB	C3C-C4C	5.10	1.50	1.42
31	bE	201	PEB	C3B-C2B	5.10	1.47	1.36
31	DA	202	PEB	C3B-C2B	5.10	1.47	1.36
31	RH	201	PEB	C3B-C2B	5.10	1.47	1.36
31	CI	201	PEB	C3B-C2B	5.10	1.47	1.36
31	Q8	202	PEB	C3B-C2B	5.10	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	AI	202	PEB	C3C-C4C	5.10	1.50	1.42
31	U9	203	PEB	C3C-C4C	5.10	1.50	1.42
31	d8	202	PEB	C3B-C2B	5.10	1.47	1.36
31	TH	202	PEB	C3B-C2B	5.09	1.47	1.36
33	F3	1001	CYC	C2A-C3A	5.09	1.47	1.36
31	ZD	202	PEB	C3C-C4C	5.09	1.50	1.42
31	E8	202	PEB	C3C-C4C	5.09	1.50	1.42
31	OF	203	PEB	C3B-C2B	5.09	1.47	1.36
31	YG	201	PEB	C3B-C2B	5.09	1.47	1.36
31	L4	202	PEB	C3B-C2B	5.09	1.47	1.36
32	N5	201	PUB	C2C-C3C	5.09	1.47	1.36
31	dE	203	PEB	C3C-C4C	5.09	1.50	1.42
31	AI	201	PEB	C3B-C2B	5.09	1.47	1.36
33	EC	1001	CYC	C2A-C3A	5.09	1.47	1.36
31	OI	201	PEB	C3C-C4C	5.09	1.50	1.42
32	yF	303	PUB	C2B-C1B	5.09	1.50	1.42
31	T6	203	PEB	C3B-C2B	5.09	1.47	1.36
33	r3	1001	CYC	C1C-NC	-5.09	1.31	1.37
31	ZA	203	PEB	C3B-C2B	5.09	1.47	1.36
31	NI	201	PEB	C3B-C2B	5.09	1.47	1.36
31	X8	201	PEB	C3B-C2B	5.09	1.47	1.36
33	R3	1001	CYC	C1C-NC	-5.09	1.31	1.37
31	RB	202	PEB	C3C-C4C	5.09	1.50	1.42
31	Y5	202	PEB	C3C-C4C	5.09	1.50	1.42
31	O9	203	PEB	C3C-C4C	5.09	1.50	1.42
31	cH	201	PEB	C3B-C2B	5.09	1.47	1.36
31	fD	202	PEB	C3C-C4C	5.09	1.50	1.42
32	K1	203	PUB	C2B-C1B	5.09	1.50	1.42
31	g6	201	PEB	C3B-C2B	5.09	1.47	1.36
31	D7	202	PEB	C3C-C4C	5.09	1.50	1.42
31	a8	202	PEB	C3C-C4C	5.09	1.50	1.42
31	Y2	201	PEB	C3B-C2B	5.09	1.47	1.36
31	R8	201	PEB	C3B-C2B	5.09	1.47	1.36
31	TI	201	PEB	C3B-C2B	5.09	1.47	1.36
33	p3	1001	CYC	C2C-C1C	-5.09	1.47	1.52
31	cH	202	PEB	C3B-C2B	5.09	1.47	1.36
32	NJ	201	PUB	C2C-C3C	5.09	1.47	1.36
33	E2	1001	CYC	C2A-C3A	5.09	1.47	1.36
32	BH	302	PUB	C2C-C3C	5.09	1.47	1.36
31	OK	201	PEB	C1A-NA	-5.09	1.31	1.37
31	gB	201	PEB	C3B-C2B	5.09	1.47	1.36
33	GE	201	CYC	C2A-C3A	5.09	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	IA	201	PEB	C3B-C2B	5.09	1.47	1.36
31	iC	201	PEB	C3B-C2B	5.09	1.47	1.36
33	t3	1001	CYC	C1C-NC	-5.09	1.31	1.37
31	J7	202	PEB	C3C-C4C	5.09	1.50	1.42
31	UC	202	PEB	C3B-C2B	5.08	1.47	1.36
31	S1	202	PEB	C3B-C2B	5.08	1.47	1.36
31	fB	202	PEB	C3C-C4C	5.08	1.50	1.42
31	U7	203	PEB	C3B-C2B	5.08	1.47	1.36
31	YB	202	PEB	C3C-C4C	5.08	1.50	1.42
31	MI	302	PEB	C3C-C4C	5.08	1.50	1.42
31	RI	201	PEB	C3B-C2B	5.08	1.47	1.36
33	l3	1001	CYC	C1C-NC	-5.08	1.31	1.37
32	AC	304	PUB	C2B-C1B	5.08	1.50	1.42
32	A2	304	PUB	C2B-C1B	5.08	1.50	1.42
31	N1	201	PEB	C3B-C2B	5.08	1.47	1.36
31	U9	202	PEB	C3B-C2B	5.08	1.47	1.36
33	HD	1001	CYC	C3B-C2B	5.08	1.47	1.36
31	JG	201	PEB	C3C-C4C	5.08	1.50	1.42
31	J9	203	PEB	C3B-C2B	5.08	1.47	1.36
31	W4	202	PEB	C3B-C2B	5.08	1.47	1.36
31	K1	202	PEB	C3C-C4C	5.08	1.50	1.42
31	GA	201	PEB	C3B-C2B	5.08	1.47	1.36
31	a4	204	PEB	C3B-C2B	5.08	1.47	1.36
33	I6	1001	CYC	C2A-C3A	5.08	1.47	1.36
33	v3	1001	CYC	C2C-C1C	-5.08	1.47	1.52
31	VB	202	PEB	C3B-C2B	5.08	1.47	1.36
33	T3	1001	CYC	C2C-C1C	-5.08	1.47	1.52
31	RB	201	PEB	C3C-C4C	5.08	1.50	1.42
31	NJ	202	PEB	C3B-C2B	5.08	1.47	1.36
31	mD	202	PEB	C3B-C2B	5.08	1.47	1.36
31	VI	201	PEB	C3C-C4C	5.08	1.50	1.42
31	YH	201	PEB	C3B-C2B	5.08	1.47	1.36
31	kD	202	PEB	C3B-C2B	5.08	1.47	1.36
33	NC	1001	CYC	CHB-C1B	5.08	1.50	1.38
31	V1	203	PEB	C3C-C4C	5.08	1.50	1.42
33	E3	1001	CYC	C1C-NC	-5.08	1.31	1.37
33	J3	1001	CYC	C1C-NC	-5.08	1.31	1.37
31	dH	201	PEB	C3B-C2B	5.08	1.47	1.36
31	EI	201	PEB	C3C-C4C	5.08	1.50	1.42
31	UI	203	PEB	C3C-C4C	5.08	1.50	1.42
32	AH	304	PUB	C2B-C1B	5.08	1.50	1.42
31	FK	202	PEB	C3B-C2B	5.08	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	N2	1001	CYC	CHB-C1B	5.08	1.50	1.38
31	N5	202	PEB	C3B-C2B	5.08	1.47	1.36
33	c3	1001	CYC	C1C-NC	-5.08	1.31	1.37
31	G1	201	PEB	C3C-C4C	5.07	1.50	1.42
31	SJ	201	PEB	C3B-C2B	5.07	1.47	1.36
31	S5	201	PEB	C3B-C2B	5.07	1.47	1.36
31	kH	202	PEB	C3C-C4C	5.07	1.50	1.42
33	W3	1001	CYC	C1C-NC	-5.07	1.31	1.37
31	KI	201	PEB	C3B-C2B	5.07	1.47	1.36
31	S6	202	PEB	C3B-C2B	5.07	1.47	1.36
31	k6	203	PEB	CHB-C4B	5.07	1.39	1.35
31	K7	201	PEB	C3B-C2B	5.07	1.47	1.36
31	FG	202	PEB	C3C-C4C	5.07	1.50	1.42
31	eE	201	PEB	C3C-C4C	5.07	1.50	1.42
31	ZI	301	PEB	C3C-C4C	5.07	1.50	1.42
31	a6	203	PEB	C3C-C4C	5.07	1.50	1.42
31	l8	203	PEB	C3C-C4C	5.07	1.50	1.42
31	W7	201	PEB	C3B-C2B	5.07	1.47	1.36
31	V7	202	PEB	C3C-C4C	5.07	1.50	1.42
31	GI	201	PEB	C3B-C2B	5.07	1.47	1.36
31	cA	403	PEB	C3B-C2B	5.07	1.47	1.36
31	XK	201	PEB	C2A-C1A	-5.07	1.47	1.52
31	W4	201	PEB	C3B-C2B	5.07	1.47	1.36
31	SK	201	PEB	C1A-NA	-5.07	1.31	1.37
31	ZD	201	PEB	C3B-C2B	5.07	1.47	1.36
33	v3	1001	CYC	C1C-NC	-5.07	1.31	1.37
31	BI	203	PEB	C3B-C2B	5.07	1.47	1.36
33	G3	1001	CYC	C2C-C1C	-5.07	1.47	1.52
31	d2	202	PEB	C3C-C4C	5.07	1.50	1.42
32	x8	306	PUB	C2C-C3C	5.07	1.47	1.36
33	j3	1001	CYC	C2A-C3A	5.07	1.47	1.36
31	Z6	202	PEB	C3C-C4C	5.07	1.50	1.42
32	A4	303	PUB	C2B-C1B	5.07	1.50	1.42
31	mE	202	PEB	C3B-C2B	5.06	1.47	1.36
31	U2	202	PEB	C3B-C2B	5.06	1.47	1.36
33	A3	1001	CYC	C1C-NC	-5.06	1.31	1.37
31	P6	202	PEB	C3C-C4C	5.06	1.50	1.42
31	QK	202	PEB	C3B-C2B	5.06	1.47	1.36
31	VC	201	PEB	C3B-C2B	5.06	1.47	1.36
33	DB	1001	CYC	C2A-C3A	5.06	1.47	1.36
31	OC	202	PEB	C3C-C4C	5.06	1.49	1.42
33	B3	1001	CYC	C2A-C3A	5.06	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UI	201	PEB	C3B-C2B	5.06	1.47	1.36
31	hE	202	PEB	C3C-C4C	5.06	1.49	1.42
31	DJ	202	PEB	C3B-C2B	5.06	1.47	1.36
33	k3	1001	CYC	C2A-C3A	5.06	1.47	1.36
31	Q9	203	PEB	C3C-C4C	5.06	1.49	1.42
33	I3	1001	CYC	C2A-C3A	5.06	1.47	1.36
33	73	1001	CYC	C2A-C3A	5.06	1.47	1.36
31	MF	201	PEB	C3C-C4C	5.06	1.49	1.42
31	o8	202	PEB	C3C-C4C	5.06	1.49	1.42
31	cE	202	PEB	C3C-C4C	5.06	1.49	1.42
31	U1	201	PEB	C1A-NA	-5.06	1.31	1.37
33	h3	1001	CYC	C2A-C3A	5.06	1.47	1.36
31	F1	202	PEB	C3B-C2B	5.06	1.47	1.36
31	OF	201	PEB	C3C-C4C	5.06	1.49	1.42
31	O2	202	PEB	C3C-C4C	5.06	1.49	1.42
31	EH	201	PEB	C3B-C2B	5.06	1.47	1.36
31	I7	202	PEB	C3B-C2B	5.06	1.47	1.36
33	o3	1001	CYC	C2A-C3A	5.06	1.47	1.36
33	ED	1001	CYC	CHB-C1B	5.06	1.50	1.38
31	MG	401	PEB	CHB-C4B	5.06	1.39	1.35
31	jD	201	PEB	C3B-C2B	5.06	1.47	1.36
33	U3	1001	CYC	C2A-C3A	5.06	1.47	1.36
31	TC	201	PEB	C3C-C4C	5.06	1.49	1.42
31	GA	202	PEB	C3B-C2B	5.06	1.47	1.36
31	lE	202	PEB	C3B-C2B	5.06	1.47	1.36
33	N3	1001	CYC	C1C-NC	-5.06	1.31	1.37
31	Z8	202	PEB	C3B-C2B	5.06	1.47	1.36
33	DE	1001	CYC	C2A-C3A	5.05	1.47	1.36
31	dD	203	PEB	C3B-C2B	5.05	1.47	1.36
33	HE	1001	CYC	C3B-C2B	5.05	1.47	1.36
31	KE	201	PEB	C3B-C2B	5.05	1.47	1.36
31	N4	201	PEB	C3B-C2B	5.05	1.47	1.36
31	B7	201	PEB	C3C-C4C	5.05	1.49	1.42
31	CK	201	PEB	C3B-C2B	5.05	1.47	1.36
31	fE	201	PEB	C3B-C2B	5.05	1.47	1.36
31	LG	202	PEB	C3B-C2B	5.05	1.47	1.36
31	JH	202	PEB	C3C-C4C	5.05	1.49	1.42
31	RB	202	PEB	C3B-C2B	5.05	1.47	1.36
31	F4	202	PEB	C3B-C2B	5.05	1.47	1.36
31	D7	201	PEB	C3B-C2B	5.05	1.47	1.36
31	G8	201	PEB	C3C-C4C	5.05	1.49	1.42
33	IE	1001	CYC	CHB-C1B	5.05	1.50	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	dF	202	PEB	C3B-C2B	5.05	1.47	1.36
31	X4	202	PEB	C3C-C4C	5.05	1.49	1.42
33	DC	1003	CYC	C2A-C3A	5.05	1.47	1.36
33	d3	1001	CYC	C2A-C3A	5.05	1.47	1.36
33	EE	1001	CYC	CHB-C1B	5.05	1.50	1.38
31	QH	201	PEB	C3B-C2B	5.05	1.47	1.36
31	JI	203	PEB	C3B-C2B	5.05	1.47	1.36
31	CH	201	PEB	C3B-C2B	5.05	1.47	1.36
31	H6	1002	PEB	C3B-C2B	5.05	1.47	1.36
31	PC	202	PEB	C3C-C4C	5.05	1.49	1.42
33	Q3	1001	CYC	C2A-C3A	5.05	1.47	1.36
33	f3	1001	CYC	C2A-C3A	5.05	1.47	1.36
31	GK	201	PEB	C3C-C4C	5.05	1.49	1.42
31	cD	202	PEB	C3C-C4C	5.05	1.49	1.42
32	y8	303	PUB	C2C-C3C	5.05	1.47	1.36
31	Y7	501	PEB	C3B-C2B	5.04	1.47	1.36
33	M3	1001	CYC	C2A-C3A	5.04	1.47	1.36
31	B9	201	PEB	C3C-C4C	5.04	1.49	1.42
31	HI	201	PEB	C3B-C2B	5.04	1.47	1.36
33	n3	1001	CYC	C2A-C3A	5.04	1.47	1.36
31	h6	201	PEB	C3C-C4C	5.04	1.49	1.42
31	dC	202	PEB	C3C-C4C	5.04	1.49	1.42
31	V2	201	PEB	C3B-C2B	5.04	1.47	1.36
31	O7	203	PEB	C3B-C2B	5.04	1.47	1.36
31	Y9	203	PEB	C3B-C2B	5.04	1.47	1.36
33	H3	1001	CYC	C2A-C3A	5.04	1.47	1.36
31	y8	301	PEB	C3B-C2B	5.04	1.47	1.36
31	bD	202	PEB	C3C-C4C	5.04	1.49	1.42
31	XH	202	PEB	C3B-C2B	5.04	1.47	1.36
31	J9	203	PEB	C3C-C4C	5.04	1.49	1.42
31	QA	202	PEB	C3C-C4C	5.04	1.49	1.42
31	TK	202	PEB	C3C-C4C	5.04	1.49	1.42
33	D3	1001	CYC	C2A-C3A	5.04	1.47	1.36
31	iB	202	PEB	C3C-C4C	5.04	1.49	1.42
31	H7	201	PEB	C3B-C2B	5.04	1.47	1.36
31	AB	301	PEB	C3C-C4C	5.04	1.49	1.42
31	EK	201	PEB	C3C-C4C	5.04	1.49	1.42
31	c6	202	PEB	C3C-C4C	5.04	1.49	1.42
31	Z2	202	PEB	C3B-C2B	5.04	1.47	1.36
31	JK	202	PEB	C3C-C4C	5.04	1.49	1.42
31	M5	202	PEB	C3B-C2B	5.04	1.47	1.36
31	R7	202	PEB	C3B-C2B	5.04	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	i2	201	PEB	C3B-C2B	5.04	1.47	1.36
31	U2	201	PEB	C3C-C4C	5.03	1.49	1.42
31	U8	202	PEB	C3C-C4C	5.03	1.49	1.42
31	dD	201	PEB	C3C-C4C	5.03	1.49	1.42
31	xF	302	PEB	C3C-C4C	5.03	1.49	1.42
33	q3	1001	CYC	C2A-C3A	5.03	1.47	1.36
31	ZE	203	PEB	C3C-C4C	5.03	1.49	1.42
33	L3	1001	CYC	C2A-C3A	5.03	1.47	1.36
31	ZF	201	PEB	C3C-C4C	5.03	1.49	1.42
31	S5	201	PEB	C3C-C4C	5.03	1.49	1.42
31	G9	202	PEB	C3C-C4C	5.03	1.49	1.42
33	p3	1001	CYC	C1C-NC	-5.03	1.31	1.37
31	YB	203	PEB	C3B-C2B	5.03	1.47	1.36
31	gC	201	PEB	C3B-C2B	5.03	1.47	1.36
31	EF	202	PEB	C3C-C4C	5.03	1.49	1.42
31	HA	202	PEB	C3B-C2B	5.03	1.47	1.36
31	a8	202	PEB	C3B-C2B	5.03	1.47	1.36
31	Q9	203	PEB	C3B-C2B	5.03	1.47	1.36
32	YK	304	PUB	C2C-C3C	5.03	1.47	1.36
31	AJ	301	PEB	C3C-C4C	5.03	1.49	1.42
31	T1	202	PEB	C3C-C4C	5.03	1.49	1.42
31	DA	201	PEB	C3C-C4C	5.03	1.49	1.42
31	kE	202	PEB	C3B-C2B	5.03	1.47	1.36
33	u3	1001	CYC	C2A-C3A	5.03	1.47	1.36
31	TE	201	PEB	C3C-C4C	5.03	1.49	1.42
31	GH	201	PEB	C3C-C4C	5.03	1.49	1.42
33	w3	1001	CYC	C2A-C3A	5.03	1.47	1.36
31	GF	201	PEB	C3C-C4C	5.03	1.49	1.42
31	l6	202	PEB	C3C-C4C	5.03	1.49	1.42
31	H7	201	PEB	C3C-C4C	5.03	1.49	1.42
31	cF	203	PEB	C3C-C4C	5.03	1.49	1.42
33	FD	202	CYC	CHB-C1B	5.03	1.50	1.38
33	S3	1001	CYC	C2A-C3A	5.03	1.47	1.36
31	m8	202	PEB	C3C-C4C	5.03	1.49	1.42
32	Y1	304	PUB	C2C-C3C	5.02	1.47	1.36
31	lB	202	PEB	C3C-C4C	5.02	1.49	1.42
31	e1	301	PEB	C3B-C2B	5.02	1.47	1.36
31	YC	201	PEB	C3B-C2B	5.02	1.47	1.36
31	w8	302	PEB	C3C-C4C	5.02	1.49	1.42
31	B7	202	PEB	C3C-C4C	5.02	1.49	1.42
31	V5	201	PEB	C3C-C4C	5.02	1.49	1.42
31	cD	201	PEB	C3C-C4C	5.02	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UK	201	PEB	C1A-NA	-5.02	1.31	1.37
31	Y6	203	PEB	C3B-C2B	5.02	1.47	1.36
31	UB	201	PEB	C3C-C4C	5.02	1.49	1.42
31	JC	1002	PEB	C3C-C4C	5.02	1.49	1.42
31	Q4	203	PEB	C3C-C4C	5.02	1.49	1.42
31	WF	202	PEB	C3B-C2B	5.02	1.47	1.36
31	S9	203	PEB	C3B-C2B	5.02	1.47	1.36
31	E4	201	PEB	C3C-C4C	5.02	1.49	1.42
31	VJ	201	PEB	C3C-C4C	5.02	1.49	1.42
31	B4	301	PEB	C3C-C4C	5.02	1.49	1.42
31	e6	201	PEB	C3C-C4C	5.02	1.49	1.42
31	PC	201	PEB	C3B-C2B	5.02	1.47	1.36
31	QD	202	PEB	C3C-C4C	5.02	1.49	1.42
31	aF	202	PEB	C3B-C2B	5.02	1.47	1.36
31	vF	202	PEB	C3B-C2B	5.02	1.47	1.36
31	J5	202	PEB	C3C-C4C	5.02	1.49	1.42
31	xF	304	PEB	C3C-C4C	5.02	1.49	1.42
32	B4	302	PUB	C2B-C1B	5.02	1.49	1.42
31	UG	202	PEB	C3C-C4C	5.02	1.49	1.42
31	IK	202	PEB	C3C-C4C	5.02	1.49	1.42
31	I8	203	PEB	C3C-C4C	5.02	1.49	1.42
31	FJ	201	PEB	C3B-C2B	5.02	1.47	1.36
31	R6	202	PEB	C3B-C2B	5.02	1.47	1.36
31	SJ	201	PEB	C3C-C4C	5.02	1.49	1.42
31	GA	201	PEB	C3C-C4C	5.02	1.49	1.42
31	EH	202	PEB	C3C-C4C	5.02	1.49	1.42
31	R9	202	PEB	C3C-C4C	5.02	1.49	1.42
31	MJ	202	PEB	C3B-C2B	5.01	1.47	1.36
31	c8	201	PEB	C3B-C2B	5.01	1.47	1.36
31	VE	201	PEB	C3C-C4C	5.01	1.49	1.42
31	E9	202	PEB	C3C-C4C	5.01	1.49	1.42
31	JB	1002	PEB	C3B-C2B	5.01	1.47	1.36
31	L5	203	PEB	C3B-C2B	5.01	1.47	1.36
33	O3	1001	CYC	C2A-C3A	5.01	1.47	1.36
31	N8	201	PEB	C3C-C4C	5.01	1.49	1.42
33	DD	1001	CYC	C2A-C3A	5.01	1.47	1.36
33	i3	1001	CYC	C1C-NC	-5.01	1.31	1.37
31	KD	201	PEB	C3C-C4C	5.01	1.49	1.42
31	RK	201	PEB	C3C-C4C	5.01	1.49	1.42
31	L9	203	PEB	C3C-C4C	5.01	1.49	1.42
31	ZE	201	PEB	C3B-C2B	5.01	1.47	1.36
31	T1	203	PEB	C3C-C4C	5.01	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	kE	201	PEB	CHB-C4B	5.01	1.39	1.35
31	C1	201	PEB	C3B-C2B	5.01	1.47	1.36
31	F8	201	PEB	C3B-C2B	5.01	1.47	1.36
32	yF	302	PUB	C2C-C3C	5.01	1.47	1.36
31	DB	1002	PEB	C3B-C2B	5.01	1.47	1.36
31	D6	1002	PEB	C3B-C2B	5.01	1.47	1.36
31	KH	202	PEB	C3B-C2B	5.01	1.47	1.36
31	WH	202	PEB	C3B-C2B	5.01	1.47	1.36
31	SB	202	PEB	C3C-C4C	5.01	1.49	1.42
31	QI	201	PEB	C3B-C2B	5.01	1.47	1.36
31	m6	201	PEB	C3B-C2B	5.01	1.47	1.36
31	AK	201	PEB	C3C-C4C	5.01	1.49	1.42
31	V9	202	PEB	C3C-C4C	5.01	1.49	1.42
31	KD	201	PEB	C3B-C2B	5.01	1.47	1.36
31	O9	202	PEB	C3B-C2B	5.01	1.47	1.36
31	I1	202	PEB	C3C-C4C	5.00	1.49	1.42
33	CE	1001	CYC	CHB-C1B	5.00	1.49	1.38
31	CH	203	PEB	C3B-C2B	5.00	1.47	1.36
31	TB	202	PEB	C3C-C4C	5.00	1.49	1.42
31	SE	203	PEB	CHB-C4B	5.00	1.39	1.35
31	hB	201	PEB	C3C-C4C	5.00	1.49	1.42
31	VD	201	PEB	C3B-C2B	5.00	1.47	1.36
31	b7	503	PEB	C3B-C2B	5.00	1.47	1.36
33	ME	1001	CYC	C2A-C3A	5.00	1.47	1.36
33	BD	1001	CYC	CHB-C1B	5.00	1.49	1.38
31	Q7	202	PEB	C3B-C2B	5.00	1.47	1.36
33	D2	1003	CYC	C2A-C3A	5.00	1.47	1.36
31	A1	202	PEB	C3C-C4C	5.00	1.49	1.42
31	QE	202	PEB	C3C-C4C	5.00	1.49	1.42
31	FF	201	PEB	C2A-C1A	-5.00	1.47	1.52
31	H4	202	PEB	C3C-C4C	5.00	1.49	1.42
31	P6	203	PEB	C3C-C4C	5.00	1.49	1.42
31	FK	201	PEB	C3C-C4C	5.00	1.49	1.42
31	Y6	201	PEB	C3B-C2B	5.00	1.47	1.36
33	ID	1001	CYC	CHB-C1B	5.00	1.49	1.38
31	KJ	201	PEB	C3C-C4C	5.00	1.49	1.42
31	hD	201	PEB	C3C-C4C	5.00	1.49	1.42
31	NF	202	PEB	C3B-C2B	5.00	1.47	1.36
31	IF	203	PEB	C3C-C4C	5.00	1.49	1.42
31	WK	202	PEB	C3C-C4C	5.00	1.49	1.42
31	BH	301	PEB	C3B-C2B	5.00	1.47	1.36
31	DF	201	PEB	C3B-C2B	5.00	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I4	202	PEB	C3B-C2B	5.00	1.47	1.36
31	O9	203	PEB	C3B-C2B	5.00	1.47	1.36
31	G4	201	PEB	C3C-C4C	5.00	1.49	1.42
31	k4	202	PEB	C3C-C4C	5.00	1.49	1.42
31	A9	202	PEB	C3C-C4C	4.99	1.49	1.42
31	L4	202	PEB	C3C-C4C	4.99	1.49	1.42
31	RF	201	PEB	C3B-C2B	4.99	1.47	1.36
31	L6	1002	PEB	C3B-C2B	4.99	1.47	1.36
31	dE	203	PEB	C3B-C2B	4.99	1.47	1.36
31	OC	203	PEB	C3C-C4C	4.99	1.49	1.42
31	QA	201	PEB	C3B-C2B	4.99	1.47	1.36
31	O2	203	PEB	C3C-C4C	4.99	1.49	1.42
31	dE	201	PEB	C3C-C4C	4.99	1.49	1.42
31	D2	1002	PEB	C3C-C4C	4.99	1.49	1.42
31	iE	201	PEB	C3C-C4C	4.99	1.49	1.42
31	WG	201	PEB	C3C-C4C	4.99	1.49	1.42
33	BE	1001	CYC	CHB-C1B	4.99	1.49	1.38
31	EJ	202	PEB	C3C-C4C	4.99	1.49	1.42
31	A1	201	PEB	C3C-C4C	4.99	1.49	1.42
31	U4	202	PEB	C3B-C2B	4.99	1.47	1.36
31	I9	202	PEB	C3C-C4C	4.99	1.49	1.42
31	SA	201	PEB	C3B-C2B	4.99	1.47	1.36
31	ZD	203	PEB	C3C-C4C	4.99	1.49	1.42
31	gA	202	PEB	C3C-C4C	4.99	1.49	1.42
31	E7	201	PEB	C3B-C2B	4.99	1.47	1.36
31	BF	201	PEB	C3B-C2B	4.99	1.47	1.36
31	F5	201	PEB	C3B-C2B	4.99	1.47	1.36
31	OI	201	PEB	C3B-C2B	4.99	1.47	1.36
31	KA	301	PEB	C3C-C4C	4.99	1.49	1.42
31	ZC	202	PEB	C3B-C2B	4.99	1.47	1.36
31	F7	202	PEB	C3B-C2B	4.99	1.47	1.36
31	GF	203	PEB	C3C-C4C	4.99	1.49	1.42
31	N2	1002	PEB	C3B-C2B	4.98	1.47	1.36
31	VE	201	PEB	C3B-C2B	4.98	1.47	1.36
31	P8	201	PEB	C3C-C4C	4.98	1.49	1.42
31	J1	202	PEB	C3C-C4C	4.98	1.49	1.42
31	VH	202	PEB	C3C-C4C	4.98	1.49	1.42
31	cB	201	PEB	C3C-C4C	4.98	1.49	1.42
33	EE	1001	CYC	C2A-C3A	4.98	1.47	1.36
31	dA	202	PEB	C3B-C2B	4.98	1.47	1.36
33	HC	1001	CYC	CHB-C1B	4.98	1.49	1.38
31	F1	201	PEB	C3C-C4C	4.98	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	hE	201	PEB	C3C-C4C	4.98	1.49	1.42
31	QI	202	PEB	C3C-C4C	4.98	1.49	1.42
31	P7	202	PEB	C3C-C4C	4.98	1.49	1.42
31	U6	201	PEB	C3C-C4C	4.98	1.49	1.42
31	c8	203	PEB	C3C-C4C	4.98	1.49	1.42
31	YI	202	PEB	C3C-C4C	4.98	1.49	1.42
33	63	901	CYC	CHB-C1B	4.98	1.49	1.38
31	Y1	301	PEB	C3C-C4C	4.98	1.49	1.42
31	R4	202	PEB	C3C-C4C	4.98	1.49	1.42
31	X9	202	PEB	C3C-C4C	4.98	1.49	1.42
31	RA	201	PEB	C3B-C2B	4.98	1.47	1.36
31	ZA	201	PEB	C3C-C4C	4.98	1.49	1.42
31	AB	305	PEB	C3C-C4C	4.98	1.49	1.42
31	Q1	202	PEB	C3C-C4C	4.98	1.49	1.42
31	lF	201	PEB	C3C-C4C	4.98	1.49	1.42
31	ZA	202	PEB	C3C-C4C	4.97	1.49	1.42
31	GH	201	PEB	C3B-C2B	4.97	1.47	1.36
31	e6	201	PEB	C3B-C2B	4.97	1.47	1.36
32	xF	306	PUB	C2C-C3C	4.97	1.47	1.36
31	l8	201	PEB	C3C-C4C	4.97	1.49	1.42
31	TE	201	PEB	C3B-C2B	4.97	1.47	1.36
31	P9	202	PEB	C3C-C4C	4.97	1.49	1.42
31	YJ	201	PEB	C3C-C4C	4.97	1.49	1.42
32	AD	302	PUB	C2B-C1B	4.97	1.49	1.42
31	ZE	202	PEB	C3B-C2B	4.97	1.47	1.36
31	PH	202	PEB	C3C-C4C	4.97	1.49	1.42
31	T7	201	PEB	C3C-C4C	4.97	1.49	1.42
31	HH	201	PEB	C3B-C2B	4.97	1.47	1.36
31	NH	202	PEB	C3B-C2B	4.97	1.47	1.36
31	QK	202	PEB	C3C-C4C	4.97	1.49	1.42
31	K8	202	PEB	C3C-C4C	4.97	1.49	1.42
33	ED	1001	CYC	C2A-C3A	4.97	1.47	1.36
31	eK	301	PEB	CHB-C4B	4.97	1.39	1.35
31	dJ	401	PEB	C3C-C4C	4.97	1.49	1.42
31	N8	202	PEB	C3B-C2B	4.97	1.47	1.36
31	T9	202	PEB	C3C-C4C	4.97	1.49	1.42
31	OE	202	PEB	C3C-C4C	4.97	1.49	1.42
31	K5	201	PEB	C3C-C4C	4.97	1.49	1.42
31	lE	201	PEB	C3C-C4C	4.97	1.49	1.42
31	aH	202	PEB	C3C-C4C	4.97	1.49	1.42
31	SF	201	PEB	C3C-C4C	4.97	1.49	1.42
31	TA	201	PEB	C2A-C1A	-4.97	1.47	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	FC	1002	PEB	C3C-C4C	4.97	1.49	1.42
31	dA	201	PEB	C3C-C4C	4.97	1.49	1.42
31	FH	202	PEB	C3B-C2B	4.97	1.47	1.36
31	QK	201	PEB	C3B-C2B	4.97	1.47	1.36
33	FD	202	CYC	C2A-C3A	4.97	1.47	1.36
31	m4	201	PEB	C3C-C4C	4.97	1.49	1.42
31	wF	301	PEB	C3C-C4C	4.97	1.49	1.42
33	MD	1001	CYC	C2A-C3A	4.97	1.47	1.36
31	PC	201	PEB	C3C-C4C	4.97	1.49	1.42
32	x8	301	PUB	C2C-C3C	4.97	1.47	1.36
31	aB	202	PEB	C3C-C4C	4.96	1.49	1.42
31	XK	201	PEB	C3C-C4C	4.96	1.49	1.42
31	fD	201	PEB	C3C-C4C	4.96	1.49	1.42
32	A6	303	PUB	C2B-C1B	4.96	1.49	1.42
31	FH	201	PEB	C3B-C2B	4.96	1.47	1.36
31	F4	201	PEB	C3B-C2B	4.96	1.47	1.36
31	B5	203	PEB	C3B-C2B	4.96	1.47	1.36
33	KD	202	CYC	CHA-C1A	4.96	1.39	1.35
31	JA	201	PEB	C2A-C1A	-4.96	1.47	1.52
31	N1	202	PEB	C3C-C4C	4.96	1.49	1.42
31	dD	204	PEB	C3C-C4C	4.96	1.49	1.42
31	SF	203	PEB	C3B-C2B	4.96	1.47	1.36
31	YI	203	PEB	C3B-C2B	4.96	1.47	1.36
31	S8	203	PEB	C3B-C2B	4.96	1.47	1.36
31	hF	201	PEB	C3C-C4C	4.96	1.49	1.42
31	NB	1002	PEB	C3B-C2B	4.96	1.47	1.36
31	OD	202	PEB	C3C-C4C	4.96	1.49	1.42
31	A6	301	PEB	C3C-C4C	4.96	1.49	1.42
31	N9	202	PEB	C3C-C4C	4.96	1.49	1.42
31	P2	201	PEB	C3B-C2B	4.96	1.47	1.36
31	IG	201	PEB	C3B-C2B	4.96	1.47	1.36
31	YI	201	PEB	C3B-C2B	4.96	1.47	1.36
31	DG	201	PEB	CHB-C4B	4.96	1.39	1.35
31	HK	201	PEB	C3C-C4C	4.96	1.49	1.42
31	TK	203	PEB	C3C-C4C	4.96	1.49	1.42
31	U4	202	PEB	C3C-C4C	4.96	1.49	1.42
31	FG	201	PEB	C3C-C4C	4.96	1.49	1.42
31	SG	202	PEB	C3C-C4C	4.96	1.49	1.42
31	U9	202	PEB	C3C-C4C	4.96	1.49	1.42
31	C4	203	PEB	C3C-C4C	4.96	1.49	1.42
31	T4	202	PEB	C3B-C2B	4.96	1.47	1.36
31	PE	201	PEB	C3C-C4C	4.96	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	CF	203	PEB	C3C-C4C	4.96	1.49	1.42
31	gB	202	PEB	C3C-C4C	4.96	1.49	1.42
31	NC	1002	PEB	C3B-C2B	4.96	1.47	1.36
31	A6	305	PEB	C3C-C4C	4.96	1.49	1.42
31	i6	202	PEB	C3C-C4C	4.96	1.49	1.42
31	dH	201	PEB	C3C-C4C	4.96	1.49	1.42
31	ZB	202	PEB	C3C-C4C	4.96	1.49	1.42
31	T5	201	PEB	C3C-C4C	4.96	1.49	1.42
31	B9	203	PEB	C3B-C2B	4.95	1.47	1.36
33	JC	1003	CYC	CHB-C1B	4.95	1.49	1.38
31	CG	201	PEB	C3B-C2B	4.95	1.47	1.36
31	Y6	202	PEB	C3C-C4C	4.95	1.49	1.42
31	MI	301	PEB	C3B-C2B	4.95	1.47	1.36
31	SA	201	PEB	C3C-C4C	4.95	1.49	1.42
31	P1	203	PEB	C3C-C4C	4.95	1.49	1.42
31	SF	202	PEB	C2A-C1A	-4.95	1.47	1.52
31	ZD	202	PEB	C3B-C2B	4.95	1.47	1.36
31	F2	1002	PEB	C3B-C2B	4.95	1.47	1.36
31	T2	201	PEB	C3C-C4C	4.95	1.49	1.42
31	Y5	201	PEB	C3C-C4C	4.95	1.49	1.42
31	mB	202	PEB	C3C-C4C	4.95	1.49	1.42
31	cF	202	PEB	CHB-C4B	4.95	1.39	1.35
31	DC	1002	PEB	C3C-C4C	4.95	1.49	1.42
31	KE	201	PEB	C3C-C4C	4.95	1.49	1.42
32	w8	304	PUB	C2C-C3C	4.95	1.47	1.36
31	QB	201	PEB	C3C-C4C	4.95	1.49	1.42
31	E1	201	PEB	C3C-C4C	4.95	1.49	1.42
31	S7	202	PEB	C3B-C2B	4.95	1.47	1.36
31	fD	201	PEB	C3B-C2B	4.95	1.47	1.36
31	P7	201	PEB	C3C-C4C	4.95	1.49	1.42
31	D8	201	PEB	C3B-C2B	4.95	1.47	1.36
31	b2	201	PEB	C3C-C4C	4.95	1.49	1.42
31	T6	202	PEB	C3C-C4C	4.95	1.49	1.42
31	Q1	201	PEB	C3B-C2B	4.95	1.47	1.36
31	DB	1002	PEB	C3C-C4C	4.95	1.49	1.42
31	aH	202	PEB	C3B-C2B	4.95	1.47	1.36
31	a6	201	PEB	C3C-C4C	4.95	1.49	1.42
31	L7	202	PEB	C3C-C4C	4.95	1.49	1.42
31	M5	201	PEB	C3C-C4C	4.95	1.49	1.42
31	HA	201	PEB	C3B-C2B	4.95	1.47	1.36
31	P7	201	PEB	C3B-C2B	4.95	1.47	1.36
31	PK	203	PEB	C3C-C4C	4.95	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	xF	303	PEB	C3C-C4C	4.95	1.49	1.42
31	O1	201	PEB	C1A-NA	-4.95	1.31	1.37
31	LA	201	PEB	C3B-C2B	4.95	1.47	1.36
31	mB	203	PEB	C3C-C4C	4.94	1.49	1.42
31	D1	202	PEB	C3C-C4C	4.94	1.49	1.42
31	X1	201	PEB	C2A-C1A	-4.94	1.47	1.52
31	YK	301	PEB	C3C-C4C	4.94	1.49	1.42
31	C9	202	PEB	C3C-C4C	4.94	1.49	1.42
33	M2	201	CYC	CHB-C1B	4.94	1.49	1.38
32	AE	302	PUB	C2B-C1B	4.94	1.49	1.42
31	eB	201	PEB	C3B-C2B	4.94	1.47	1.36
31	CK	202	PEB	CHB-C4B	4.94	1.39	1.35
31	jH	202	PEB	C3C-C4C	4.94	1.49	1.42
31	O8	201	PEB	C3C-C4C	4.94	1.49	1.42
31	g2	201	PEB	C3B-C2B	4.94	1.47	1.36
31	D7	201	PEB	C3C-C4C	4.94	1.49	1.42
31	NA	201	PEB	C3C-C4C	4.94	1.49	1.42
31	h4	202	PEB	C3C-C4C	4.94	1.49	1.42
32	KK	203	PUB	C2B-C1B	4.94	1.49	1.42
31	kB	203	PEB	CHB-C4B	4.94	1.39	1.35
31	c6	201	PEB	C3C-C4C	4.94	1.49	1.42
31	KG	202	PEB	C3B-C2B	4.94	1.47	1.36
31	W1	201	PEB	C3B-C2B	4.94	1.47	1.36
31	J9	202	PEB	C3C-C4C	4.94	1.49	1.42
31	GG	202	PEB	C3B-C2B	4.94	1.47	1.36
31	R1	201	PEB	C3C-C4C	4.94	1.49	1.42
31	X7	202	PEB	C3C-C4C	4.94	1.49	1.42
31	KA	302	PEB	C3B-C2B	4.94	1.47	1.36
31	ZE	203	PEB	C3B-C2B	4.94	1.47	1.36
31	UD	203	PEB	C3C-C4C	4.94	1.49	1.42
31	YB	201	PEB	C3B-C2B	4.94	1.47	1.36
32	A4	304	PUB	C2B-C1B	4.94	1.49	1.42
31	VG	201	PEB	C3B-C2B	4.94	1.47	1.36
33	FC	1001	CYC	CHB-C1B	4.93	1.49	1.38
33	63	901	CYC	C3B-C2B	4.93	1.47	1.36
31	P2	201	PEB	C3C-C4C	4.93	1.49	1.42
31	A4	302	PEB	C3C-C4C	4.93	1.49	1.42
31	k6	202	PEB	C3C-C4C	4.93	1.49	1.42
31	G8	203	PEB	C3C-C4C	4.93	1.49	1.42
31	kB	202	PEB	C3C-C4C	4.93	1.49	1.42
31	P6	203	PEB	C3B-C2B	4.93	1.47	1.36
31	mB	201	PEB	C3C-C4C	4.93	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	CE	1001	CYC	C2A-C3A	4.93	1.47	1.36
31	EG	201	PEB	C3B-C2B	4.93	1.47	1.36
31	H1	201	PEB	C3C-C4C	4.93	1.49	1.42
32	xF	301	PUB	C2C-C3C	4.93	1.47	1.36
31	W5	202	PEB	C3C-C4C	4.93	1.49	1.42
31	K9	202	PEB	C3C-C4C	4.93	1.49	1.42
31	JH	202	PEB	C3B-C2B	4.93	1.47	1.36
31	PD	201	PEB	C3C-C4C	4.93	1.49	1.42
31	TD	201	PEB	C3C-C4C	4.93	1.49	1.42
31	j2	201	PEB	C3B-C2B	4.93	1.47	1.36
31	R6	203	PEB	C3B-C2B	4.93	1.47	1.36
31	eA	201	PEB	C3B-C2B	4.93	1.47	1.36
31	hH	202	PEB	C3C-C4C	4.93	1.49	1.42
31	N6	1002	PEB	C3B-C2B	4.93	1.47	1.36
31	N9	201	PEB	C3C-C4C	4.93	1.49	1.42
31	ZD	203	PEB	C3B-C2B	4.93	1.47	1.36
31	X1	201	PEB	C3C-C4C	4.93	1.49	1.42
31	WH	201	PEB	C3B-C2B	4.93	1.47	1.36
31	JG	202	PEB	C3B-C2B	4.93	1.47	1.36
31	F8	201	PEB	C2A-C1A	-4.93	1.47	1.52
31	UE	203	PEB	C3C-C4C	4.93	1.49	1.42
31	f4	202	PEB	C3C-C4C	4.93	1.49	1.42
33	JC	1001	CYC	CHB-C1B	4.93	1.49	1.38
33	M2	201	CYC	C2A-C3A	4.93	1.47	1.36
31	eB	201	PEB	C3C-C4C	4.93	1.49	1.42
31	VD	201	PEB	C3C-C4C	4.93	1.49	1.42
31	a6	202	PEB	C3C-C4C	4.93	1.49	1.42
31	WA	401	PEB	C3C-C4C	4.93	1.49	1.42
31	D1	201	PEB	C3C-C4C	4.93	1.49	1.42
31	D6	1002	PEB	C3C-C4C	4.93	1.49	1.42
31	T6	201	PEB	C3B-C2B	4.92	1.47	1.36
31	SH	201	PEB	C3C-C4C	4.92	1.49	1.42
32	yF	303	PUB	C2C-C3C	4.92	1.47	1.36
31	IH	202	PEB	C2A-C1A	-4.92	1.47	1.52
31	W8	202	PEB	C3B-C2B	4.92	1.47	1.36
31	D9	202	PEB	C3B-C2B	4.92	1.47	1.36
33	LE	1001	CYC	C2A-C3A	4.92	1.47	1.36
31	j2	202	PEB	C3C-C4C	4.92	1.49	1.42
31	EH	202	PEB	C3B-C2B	4.92	1.47	1.36
31	x8	302	PEB	C3C-C4C	4.92	1.49	1.42
31	OH	201	PEB	C3B-C2B	4.92	1.47	1.36
32	y8	302	PUB	C2C-C3C	4.92	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	NF	201	PEB	C3C-C4C	4.92	1.49	1.42
31	T7	202	PEB	C3C-C4C	4.92	1.49	1.42
31	VB	201	PEB	C3B-C2B	4.92	1.47	1.36
31	Q9	202	PEB	C3B-C2B	4.92	1.47	1.36
31	WE	203	PEB	C3B-C2B	4.92	1.47	1.36
31	W1	202	PEB	C3C-C4C	4.92	1.49	1.42
31	cE	201	PEB	C3C-C4C	4.92	1.49	1.42
31	WI	202	PEB	C3C-C4C	4.92	1.49	1.42
31	C4	201	PEB	C3C-C4C	4.92	1.49	1.42
31	iH	201	PEB	C3C-C4C	4.92	1.49	1.42
31	HG	202	PEB	C3C-C4C	4.92	1.49	1.42
31	ZF	202	PEB	C3B-C2B	4.92	1.47	1.36
31	VB	201	PEB	C3C-C4C	4.92	1.49	1.42
31	MF	203	PEB	C3C-C4C	4.92	1.49	1.42
31	KH	203	PEB	C3B-C2B	4.92	1.47	1.36
31	N7	201	PEB	C3C-C4C	4.92	1.49	1.42
31	m6	203	PEB	C3C-C4C	4.92	1.49	1.42
31	PG	201	PEB	C3B-C2B	4.92	1.47	1.36
31	T6	201	PEB	C3C-C4C	4.91	1.49	1.42
31	OH	201	PEB	C3C-C4C	4.91	1.49	1.42
31	B8	202	PEB	C3B-C2B	4.91	1.47	1.36
31	J2	1002	PEB	C3C-C4C	4.91	1.49	1.42
31	a4	201	PEB	C3C-C4C	4.91	1.49	1.42
33	K2	201	CYC	C2A-C3A	4.91	1.47	1.36
31	RG	201	PEB	C3B-C2B	4.91	1.47	1.36
31	WK	201	PEB	C3B-C2B	4.91	1.47	1.36
31	C5	202	PEB	C3C-C4C	4.91	1.49	1.42
31	dE	204	PEB	C3C-C4C	4.91	1.49	1.42
31	jH	201	PEB	C3C-C4C	4.91	1.49	1.42
31	XG	201	PEB	C3B-C2B	4.91	1.47	1.36
31	GH	203	PEB	C3B-C2B	4.91	1.47	1.36
31	cB	202	PEB	C3C-C4C	4.91	1.49	1.42
33	F2	1001	CYC	CHB-C1B	4.91	1.49	1.38
31	TB	201	PEB	C3C-C4C	4.91	1.49	1.42
31	E7	202	PEB	C3C-C4C	4.91	1.49	1.42
31	bC	201	PEB	C3C-C4C	4.91	1.49	1.42
31	h8	201	PEB	C3C-C4C	4.91	1.49	1.42
31	D9	201	PEB	C3C-C4C	4.91	1.49	1.42
31	WI	203	PEB	C3C-C4C	4.90	1.49	1.42
31	fE	201	PEB	C3C-C4C	4.90	1.49	1.42
31	SK	202	PEB	C3C-C4C	4.90	1.49	1.42
31	G9	201	PEB	C3C-C4C	4.90	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	TG	202	PEB	C3B-C2B	4.90	1.47	1.36
31	KF	202	PEB	C3C-C4C	4.90	1.49	1.42
31	R9	201	PEB	C3C-C4C	4.90	1.49	1.42
31	oF	202	PEB	C3C-C4C	4.90	1.49	1.42
31	D5	202	PEB	C3B-C2B	4.90	1.47	1.36
33	73	1002	CYC	CHB-C1B	4.90	1.49	1.38
31	Y4	201	PEB	C3B-C2B	4.90	1.47	1.36
31	MA	201	PEB	C3C-C4C	4.90	1.49	1.42
31	R4	201	PEB	C3C-C4C	4.90	1.49	1.42
31	UA	301	PEB	C3B-C2B	4.90	1.47	1.36
31	AG	201	PEB	C3B-C2B	4.90	1.47	1.36
31	h2	203	PEB	CHB-C4B	4.90	1.39	1.35
31	H4	201	PEB	C3B-C2B	4.90	1.47	1.36
31	iD	201	PEB	C3C-C4C	4.90	1.49	1.42
32	AE	303	PUB	C2B-C1B	4.90	1.49	1.42
31	IJ	201	PEB	C3B-C2B	4.90	1.47	1.36
32	wF	304	PUB	C2C-C3C	4.90	1.47	1.36
33	LD	1001	CYC	C2A-C3A	4.90	1.47	1.36
31	IK	201	PEB	C3C-C4C	4.90	1.49	1.42
31	H9	203	PEB	C3C-C4C	4.90	1.49	1.42
33	C2	1001	CYC	CHB-C1B	4.90	1.49	1.38
31	P6	201	PEB	C3C-C4C	4.90	1.49	1.42
31	GA	203	PEB	C3C-C4C	4.89	1.49	1.42
31	YA	201	PEB	C3B-C2B	4.89	1.47	1.36
31	DK	201	PEB	C3C-C4C	4.89	1.49	1.42
31	x8	303	PEB	C3C-C4C	4.89	1.49	1.42
31	d5	401	PEB	C3C-C4C	4.89	1.49	1.42
31	H7	202	PEB	C3C-C4C	4.89	1.49	1.42
31	DI	202	PEB	C3C-C4C	4.89	1.49	1.42
31	V9	201	PEB	C3C-C4C	4.89	1.49	1.42
31	gA	201	PEB	C3C-C4C	4.89	1.49	1.42
33	H2	1001	CYC	CHB-C1B	4.89	1.49	1.38
31	TD	201	PEB	C3B-C2B	4.89	1.47	1.36
31	NG	201	PEB	C3B-C2B	4.89	1.47	1.36
31	C9	201	PEB	C3C-C4C	4.89	1.49	1.42
31	mD	201	PEB	C3C-C4C	4.89	1.49	1.42
31	WJ	202	PEB	C3C-C4C	4.89	1.49	1.42
31	mE	201	PEB	C3C-C4C	4.89	1.49	1.42
31	m6	201	PEB	C3C-C4C	4.89	1.49	1.42
31	c2	201	PEB	C3B-C2B	4.89	1.47	1.36
31	P9	201	PEB	C3C-C4C	4.89	1.49	1.42
31	eB	203	PEB	C3B-C2B	4.89	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UH	201	PEB	C3C-C4C	4.88	1.49	1.42
31	E5	202	PEB	C3C-C4C	4.88	1.49	1.42
31	FI	201	PEB	C3B-C2B	4.88	1.47	1.36
31	MI	305	PEB	C3C-C4C	4.88	1.49	1.42
31	WH	203	PEB	C3B-C2B	4.88	1.47	1.36
31	D9	203	PEB	C3C-C4C	4.88	1.49	1.42
32	N5	201	PUB	C2B-C1B	4.88	1.49	1.42
31	NK	202	PEB	C3B-C2B	4.88	1.47	1.36
31	I1	201	PEB	C3C-C4C	4.88	1.49	1.42
31	GJ	201	PEB	C3B-C2B	4.88	1.47	1.36
31	UC	201	PEB	C3C-C4C	4.88	1.49	1.42
31	Q6	201	PEB	C3C-C4C	4.88	1.49	1.42
31	aB	201	PEB	C3C-C4C	4.88	1.49	1.42
31	RB	203	PEB	C3B-C2B	4.88	1.47	1.36
31	E5	202	PEB	C3B-C2B	4.88	1.47	1.36
31	PB	201	PEB	C3C-C4C	4.88	1.49	1.42
31	MJ	201	PEB	C3C-C4C	4.88	1.49	1.42
31	g6	202	PEB	C3C-C4C	4.88	1.49	1.42
31	WD	203	PEB	C3B-C2B	4.88	1.47	1.36
31	CA	202	PEB	C3B-C2B	4.88	1.47	1.36
31	X8	201	PEB	C3C-C4C	4.88	1.49	1.42
31	JC	1002	PEB	C3B-C2B	4.88	1.47	1.36
31	N7	202	PEB	C3C-C4C	4.88	1.49	1.42
31	LB	1002	PEB	C3B-C2B	4.88	1.47	1.36
31	F2	1002	PEB	C3C-C4C	4.88	1.49	1.42
31	BF	202	PEB	C3B-C2B	4.88	1.47	1.36
31	cC	201	PEB	C3B-C2B	4.88	1.47	1.36
31	YG	202	PEB	C3B-C2B	4.88	1.47	1.36
31	HI	202	PEB	C3C-C4C	4.88	1.49	1.42
33	JC	1003	CYC	C2A-C3A	4.88	1.47	1.36
31	A9	201	PEB	C3C-C4C	4.87	1.49	1.42
33	H2	1001	CYC	C2A-C3A	4.87	1.47	1.36
31	aE	202	PEB	C3C-C4C	4.87	1.49	1.42
31	N1	202	PEB	C3B-C2B	4.87	1.47	1.36
31	FC	1002	PEB	C3B-C2B	4.87	1.47	1.36
31	TB	201	PEB	C3B-C2B	4.87	1.47	1.36
31	DK	202	PEB	C3C-C4C	4.87	1.49	1.42
31	EJ	202	PEB	C3B-C2B	4.87	1.47	1.36
31	RC	201	PEB	C3C-C4C	4.87	1.49	1.42
31	SG	201	PEB	C3C-C4C	4.87	1.49	1.42
31	P1	203	PEB	C3B-C2B	4.87	1.47	1.36
31	IH	202	PEB	C3B-C2B	4.87	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	J2	1001	CYC	CHB-C1B	4.87	1.49	1.38
31	Y7	503	PEB	C3B-C2B	4.87	1.47	1.36
33	BE	1001	CYC	C2C-C1C	-4.87	1.47	1.52
31	d4	203	PEB	C3C-C4C	4.87	1.49	1.42
31	UH	201	PEB	C3B-C2B	4.87	1.47	1.36
31	I5	201	PEB	C3B-C2B	4.87	1.47	1.36
31	W9	202	PEB	C3B-C2B	4.87	1.47	1.36
31	BJ	203	PEB	C3B-C2B	4.87	1.47	1.36
31	ZI	304	PEB	C3C-C4C	4.87	1.49	1.42
31	H5	202	PEB	C3C-C4C	4.87	1.49	1.42
31	VC	201	PEB	C3C-C4C	4.87	1.49	1.42
31	T9	201	PEB	C3C-C4C	4.87	1.49	1.42
31	S1	202	PEB	C3C-C4C	4.87	1.49	1.42
31	K9	201	PEB	C3C-C4C	4.87	1.49	1.42
31	O7	202	PEB	C3B-C2B	4.86	1.47	1.36
31	B1	201	PEB	C3C-C4C	4.86	1.49	1.42
31	W4	203	PEB	C3C-C4C	4.86	1.49	1.42
31	X9	201	PEB	C3C-C4C	4.86	1.49	1.42
31	G5	201	PEB	C3B-C2B	4.86	1.47	1.36
31	H9	202	PEB	C3C-C4C	4.86	1.49	1.42
31	R2	201	PEB	C3C-C4C	4.86	1.49	1.42
31	J4	202	PEB	C3C-C4C	4.86	1.49	1.42
31	V6	201	PEB	C3C-C4C	4.86	1.49	1.42
31	jE	201	PEB	C3C-C4C	4.86	1.49	1.42
31	d2	203	PEB	C3C-C4C	4.86	1.49	1.42
31	d4	202	PEB	C3C-C4C	4.86	1.49	1.42
31	CJ	202	PEB	C3C-C4C	4.86	1.49	1.42
33	KB	1001	CYC	CHB-C1B	4.86	1.49	1.38
31	R5	201	PEB	C3C-C4C	4.86	1.49	1.42
31	Y7	502	PEB	C3C-C4C	4.85	1.49	1.42
31	PK	203	PEB	C3B-C2B	4.85	1.47	1.36
31	aD	202	PEB	C3C-C4C	4.85	1.49	1.42
31	WG	203	PEB	C3B-C2B	4.85	1.47	1.36
31	BK	201	PEB	C3C-C4C	4.85	1.49	1.42
31	L9	201	PEB	C3B-C2B	4.85	1.47	1.36
33	GE	201	CYC	CHB-C1B	4.85	1.49	1.38
31	ZH	201	PEB	C3B-C2B	4.85	1.47	1.36
31	OI	202	PEB	C3C-C4C	4.85	1.49	1.42
33	KE	202	CYC	CHB-C1B	4.85	1.49	1.38
31	WE	203	PEB	C3C-C4C	4.85	1.49	1.42
31	MI	301	PEB	C3C-C4C	4.85	1.49	1.42
31	I9	201	PEB	C3C-C4C	4.85	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	AD	303	PUB	C2B-C1B	4.85	1.49	1.42
31	UB	202	PEB	C3C-C4C	4.85	1.49	1.42
31	OJ	201	PEB	C3C-C4C	4.85	1.49	1.42
31	G7	202	PEB	C3B-C2B	4.85	1.47	1.36
31	NK	202	PEB	C3C-C4C	4.85	1.49	1.42
31	QA	204	PEB	C3B-C2B	4.85	1.47	1.36
31	m2	201	PEB	C3B-C2B	4.85	1.47	1.36
31	jD	201	PEB	C3C-C4C	4.85	1.49	1.42
33	BD	1002	CYC	C2A-C3A	4.85	1.47	1.36
31	WC	202	PEB	C3C-C4C	4.85	1.49	1.42
31	XF	201	PEB	C3C-C4C	4.84	1.49	1.42
33	BD	1001	CYC	C2C-C1C	-4.84	1.47	1.52
31	A4	301	PEB	C3C-C4C	4.84	1.49	1.42
31	mC	201	PEB	C3B-C2B	4.84	1.47	1.36
31	F9	203	PEB	C3B-C2B	4.84	1.47	1.36
31	C1	202	PEB	CHB-C4B	4.84	1.39	1.35
31	e6	203	PEB	C3C-C4C	4.84	1.49	1.42
31	j4	202	PEB	C3C-C4C	4.84	1.49	1.42
31	V2	201	PEB	C3C-C4C	4.84	1.49	1.42
31	E9	201	PEB	C3C-C4C	4.84	1.49	1.42
31	i4	201	PEB	C3C-C4C	4.84	1.49	1.42
31	hC	202	PEB	CHB-C4B	4.84	1.39	1.35
32	AB	303	PUB	C2B-C1B	4.84	1.49	1.42
31	VC	203	PEB	C3C-C4C	4.84	1.49	1.42
31	PJ	201	PEB	C3C-C4C	4.84	1.49	1.42
31	O5	201	PEB	C3C-C4C	4.84	1.49	1.42
33	HE	1001	CYC	C2A-C3A	4.83	1.47	1.36
31	KH	201	PEB	C3B-C2B	4.83	1.47	1.36
31	LI	202	PEB	C3C-C4C	4.83	1.49	1.42
31	X1	202	PEB	C3C-C4C	4.83	1.49	1.42
33	KC	201	CYC	C2A-C3A	4.83	1.47	1.36
31	C4	201	PEB	C3B-C2B	4.83	1.47	1.36
31	HH	202	PEB	C3C-C4C	4.83	1.49	1.42
31	Y6	203	PEB	C3C-C4C	4.83	1.49	1.42
31	HA	203	PEB	C3B-C2B	4.83	1.47	1.36
31	a4	202	PEB	C3C-C4C	4.83	1.49	1.42
31	Y9	202	PEB	C3C-C4C	4.83	1.49	1.42
33	I2	201	CYC	C2A-C3A	4.83	1.47	1.36
33	CC	1001	CYC	CHB-C1B	4.83	1.49	1.38
33	W3	1001	CYC	C2A-C3A	4.83	1.47	1.36
31	QB	202	PEB	CHB-C4B	4.83	1.39	1.35
31	RE	201	PEB	C3B-C2B	4.83	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	K6	1001	CYC	CHB-C1B	4.82	1.49	1.38
31	S8	201	PEB	C3C-C4C	4.82	1.49	1.42
31	O4	201	PEB	C3C-C4C	4.82	1.49	1.42
31	lE	203	PEB	C3C-C4C	4.82	1.49	1.42
33	y3	1001	CYC	C2A-C3A	4.82	1.47	1.36
31	PJ	202	PEB	C1A-NA	-4.82	1.31	1.37
31	IF	202	PEB	CHB-C4B	4.82	1.39	1.35
33	HD	1001	CYC	C2A-C3A	4.82	1.47	1.36
31	dC	203	PEB	C3C-C4C	4.82	1.49	1.42
31	QA	202	PEB	C3B-C2B	4.82	1.47	1.36
31	XJ	201	PEB	C3C-C4C	4.82	1.49	1.42
31	g6	201	PEB	C3C-C4C	4.82	1.49	1.42
31	RD	201	PEB	C3B-C2B	4.82	1.47	1.36
31	A7	202	PEB	C3C-C4C	4.82	1.49	1.42
31	DA	201	PEB	C3B-C2B	4.82	1.47	1.36
31	G7	203	PEB	C3C-C4C	4.82	1.49	1.42
31	RD	201	PEB	C3C-C4C	4.81	1.49	1.42
31	eB	203	PEB	C3C-C4C	4.81	1.49	1.42
31	MH	201	PEB	C3B-C2B	4.81	1.47	1.36
31	K8	201	PEB	C3C-C4C	4.81	1.49	1.42
31	dH	202	PEB	C3C-C4C	4.81	1.49	1.42
31	J2	1002	PEB	C3B-C2B	4.81	1.47	1.36
31	O1	202	PEB	C3B-C2B	4.81	1.47	1.36
31	OB	202	PEB	C3C-C4C	4.81	1.49	1.42
31	SH	203	PEB	C3C-C4C	4.81	1.49	1.42
31	V2	203	PEB	C3C-C4C	4.81	1.49	1.42
32	y8	302	PUB	C2B-C1B	4.81	1.49	1.42
31	e6	203	PEB	C3B-C2B	4.81	1.46	1.36
31	UK	201	PEB	C3C-C4C	4.81	1.49	1.42
31	gB	201	PEB	C3C-C4C	4.81	1.49	1.42
31	O7	203	PEB	C3C-C4C	4.81	1.49	1.42
31	mD	203	PEB	C3C-C4C	4.80	1.49	1.42
31	mE	203	PEB	C3C-C4C	4.80	1.49	1.42
31	KF	203	PEB	C3B-C2B	4.80	1.46	1.36
33	HC	1001	CYC	C2A-C3A	4.80	1.46	1.36
31	V6	201	PEB	C3B-C2B	4.80	1.46	1.36
31	AE	301	PEB	C3C-C4C	4.80	1.49	1.42
31	BA	203	PEB	C3C-C4C	4.80	1.49	1.42
31	SB	201	PEB	C3C-C4C	4.80	1.49	1.42
31	WD	202	PEB	C3C-C4C	4.80	1.49	1.42
33	63	901	CYC	C1C-NC	-4.80	1.31	1.37
33	E6	1001	CYC	C2A-C3A	4.80	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Q7	201	PEB	C3C-C4C	4.80	1.49	1.42
31	QF	203	PEB	C3C-C4C	4.80	1.49	1.42
33	ID	1001	CYC	C2A-C3A	4.80	1.46	1.36
31	O9	201	PEB	C3C-C4C	4.80	1.49	1.42
31	AD	304	PEB	C3C-C4C	4.80	1.49	1.42
31	F4	202	PEB	C3C-C4C	4.80	1.49	1.42
31	e4	201	PEB	C3C-C4C	4.80	1.49	1.42
31	lD	203	PEB	C3C-C4C	4.80	1.49	1.42
33	C6	1001	CYC	CHB-C1B	4.80	1.49	1.38
31	Q8	203	PEB	C3C-C4C	4.80	1.49	1.42
32	yF	302	PUB	C2B-C1B	4.80	1.49	1.42
31	RJ	201	PEB	C3C-C4C	4.79	1.49	1.42
31	jC	201	PEB	C3B-C2B	4.79	1.46	1.36
31	U6	202	PEB	C3C-C4C	4.79	1.49	1.42
31	k6	201	PEB	C3C-C4C	4.79	1.49	1.42
31	m6	202	PEB	C3C-C4C	4.79	1.49	1.42
31	BI	201	PEB	C3C-C4C	4.79	1.49	1.42
31	OK	202	PEB	C3B-C2B	4.79	1.46	1.36
31	CJ	202	PEB	C3B-C2B	4.79	1.46	1.36
31	e1	301	PEB	C3C-C4C	4.79	1.49	1.42
31	kD	201	PEB	C3C-C4C	4.79	1.49	1.42
31	w8	301	PEB	C3C-C4C	4.79	1.49	1.42
33	GD	201	CYC	C2C-C1C	-4.79	1.47	1.52
33	GD	201	CYC	CHB-C1B	4.79	1.49	1.38
31	IJ	201	PEB	C3C-C4C	4.79	1.49	1.42
31	SF	202	PEB	C3B-C2B	4.79	1.46	1.36
31	YB	203	PEB	C3C-C4C	4.79	1.49	1.42
31	NK	203	PEB	C3C-C4C	4.78	1.49	1.42
31	XK	202	PEB	C3C-C4C	4.78	1.49	1.42
31	N1	203	PEB	C3C-C4C	4.78	1.49	1.42
31	B5	203	PEB	C3C-C4C	4.78	1.49	1.42
31	X9	201	PEB	C3B-C2B	4.78	1.46	1.36
31	DE	1002	PEB	C3C-C4C	4.78	1.49	1.42
33	V3	1001	CYC	C2A-C3A	4.78	1.46	1.36
31	gC	203	PEB	C3C-C4C	4.78	1.49	1.42
31	jC	202	PEB	C3C-C4C	4.78	1.49	1.42
31	LG	202	PEB	C3C-C4C	4.78	1.49	1.42
31	Q7	202	PEB	C3C-C4C	4.78	1.49	1.42
31	K8	203	PEB	C3B-C2B	4.78	1.46	1.36
33	LC	1003	CYC	C2A-C3A	4.78	1.46	1.36
31	R9	201	PEB	C3B-C2B	4.78	1.46	1.36
31	BA	202	PEB	C3C-C4C	4.78	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	EB	1001	CYC	C2A-C3A	4.78	1.46	1.36
33	I2	201	CYC	C2C-C1C	-4.78	1.47	1.52
31	KF	201	PEB	C3C-C4C	4.78	1.49	1.42
31	QI	201	PEB	C3C-C4C	4.78	1.49	1.42
33	GB	1001	CYC	CHB-C1B	4.78	1.49	1.38
31	XA	202	PEB	C3B-C2B	4.78	1.46	1.36
31	WD	203	PEB	C3C-C4C	4.78	1.49	1.42
31	AE	304	PEB	C3C-C4C	4.78	1.49	1.42
33	CB	1001	CYC	CHB-C1B	4.78	1.49	1.38
31	GA	202	PEB	C3C-C4C	4.77	1.49	1.42
31	h2	201	PEB	C3C-C4C	4.77	1.49	1.42
31	a4	204	PEB	C3C-C4C	4.77	1.49	1.42
33	ME	1001	CYC	CHB-C1B	4.77	1.49	1.38
31	E7	201	PEB	C3C-C4C	4.77	1.49	1.42
31	dF	201	PEB	C3C-C4C	4.77	1.49	1.42
31	ZG	401	PEB	CHA-C1B	4.77	1.51	1.40
31	aH	201	PEB	C3C-C4C	4.77	1.49	1.42
31	I7	201	PEB	C3B-C2B	4.77	1.46	1.36
31	YH	201	PEB	C3C-C4C	4.77	1.49	1.42
31	U1	201	PEB	C3C-C4C	4.77	1.49	1.42
31	M8	203	PEB	C3C-C4C	4.77	1.49	1.42
31	BG	201	PEB	C3C-C4C	4.77	1.49	1.42
31	L5	202	PEB	C3C-C4C	4.77	1.49	1.42
31	E9	201	PEB	C3B-C2B	4.77	1.46	1.36
31	L8	201	PEB	C3C-C4C	4.77	1.49	1.42
33	MD	1001	CYC	CHB-C1B	4.77	1.49	1.38
31	c4	202	PEB	C3B-C2B	4.77	1.46	1.36
31	LF	201	PEB	C3C-C4C	4.77	1.49	1.42
31	TJ	201	PEB	C3C-C4C	4.76	1.49	1.42
31	QH	201	PEB	C3C-C4C	4.76	1.49	1.42
33	x3	1001	CYC	C2A-C3A	4.76	1.46	1.36
31	C8	201	PEB	C3C-C4C	4.76	1.49	1.42
32	NJ	201	PUB	C2B-C1B	4.76	1.49	1.42
31	bA	201	PEB	C3B-C2B	4.76	1.46	1.36
31	YA	201	PEB	C3C-C4C	4.76	1.49	1.42
31	a6	201	PEB	C3B-C2B	4.76	1.46	1.36
31	WK	201	PEB	C3C-C4C	4.76	1.49	1.42
31	P4	202	PEB	C3C-C4C	4.76	1.49	1.42
31	I9	201	PEB	C3B-C2B	4.76	1.46	1.36
31	DF	203	PEB	C3C-C4C	4.76	1.49	1.42
31	K9	201	PEB	C3B-C2B	4.76	1.46	1.36
31	UG	201	PEB	C3C-C4C	4.76	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	f4	201	PEB	C3C-C4C	4.76	1.49	1.42
31	r8	201	PEB	C3C-C4C	4.76	1.49	1.42
31	N9	201	PEB	C3B-C2B	4.76	1.46	1.36
31	M4	201	PEB	C3B-C2B	4.76	1.46	1.36
32	A5	303	PUB	C2B-C1B	4.75	1.49	1.42
31	D9	201	PEB	C3B-C2B	4.75	1.46	1.36
31	F9	202	PEB	C3B-C2B	4.75	1.46	1.36
31	V8	201	PEB	C3C-C4C	4.75	1.49	1.42
31	ND	201	PEB	C3C-C4C	4.75	1.49	1.42
31	P5	201	PEB	C3C-C4C	4.75	1.49	1.42
31	BJ	203	PEB	C3C-C4C	4.75	1.49	1.42
31	RF	202	PEB	C3B-C2B	4.75	1.46	1.36
33	H6	1001	CYC	CHB-C1B	4.75	1.49	1.38
33	BE	1002	CYC	C2A-C3A	4.75	1.46	1.36
33	IE	1001	CYC	C2A-C3A	4.75	1.46	1.36
31	NE	201	PEB	C3C-C4C	4.75	1.49	1.42
31	QK	201	PEB	C3C-C4C	4.75	1.49	1.42
31	kB	201	PEB	C3C-C4C	4.75	1.49	1.42
31	aD	201	PEB	C3B-C2B	4.75	1.46	1.36
31	eH	201	PEB	C3C-C4C	4.75	1.49	1.42
33	I2	201	CYC	CHB-C1B	4.75	1.49	1.38
31	TG	202	PEB	C3C-C4C	4.75	1.49	1.42
31	Q1	201	PEB	C3C-C4C	4.75	1.49	1.42
31	q8	201	PEB	C3C-C4C	4.74	1.49	1.42
31	P9	201	PEB	C3B-C2B	4.74	1.46	1.36
31	I5	201	PEB	C3C-C4C	4.74	1.49	1.42
31	RG	201	PEB	C3C-C4C	4.74	1.49	1.42
31	G4	203	PEB	C3C-C4C	4.74	1.49	1.42
31	G9	201	PEB	C3B-C2B	4.74	1.46	1.36
31	KA	302	PEB	C3C-C4C	4.74	1.49	1.42
31	O9	201	PEB	C3B-C2B	4.74	1.46	1.36
31	V9	201	PEB	C3B-C2B	4.74	1.46	1.36
31	qF	201	PEB	C3C-C4C	4.74	1.49	1.42
31	ID	201	PEB	C3C-C4C	4.74	1.49	1.42
31	gE	201	PEB	C3C-C4C	4.74	1.49	1.42
31	H1	202	PEB	C3C-C4C	4.74	1.49	1.42
31	A9	201	PEB	C3B-C2B	4.74	1.46	1.36
31	O6	202	PEB	C3C-C4C	4.74	1.49	1.42
31	Q4	201	PEB	C3C-C4C	4.74	1.49	1.42
31	S7	202	PEB	C3C-C4C	4.74	1.49	1.42
31	KG	202	PEB	C3C-C4C	4.74	1.49	1.42
31	UI	204	PEB	C3C-C4C	4.74	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	C7	203	PEB	C3C-C4C	4.74	1.49	1.42
31	KH	201	PEB	C3C-C4C	4.74	1.49	1.42
31	LJ	202	PEB	C3C-C4C	4.74	1.49	1.42
31	N4	202	PEB	C3C-C4C	4.73	1.49	1.42
31	JA	201	PEB	C1A-NA	-4.73	1.31	1.37
31	oF	201	PEB	C1A-NA	-4.73	1.31	1.37
31	VG	201	PEB	C3C-C4C	4.73	1.49	1.42
31	T4	202	PEB	C3C-C4C	4.73	1.49	1.42
31	R8	202	PEB	C3B-C2B	4.73	1.46	1.36
31	X5	201	PEB	C3C-C4C	4.73	1.49	1.42
32	x8	306	PUB	C2B-C1B	4.73	1.49	1.42
31	T9	201	PEB	C3B-C2B	4.73	1.46	1.36
31	W9	201	PEB	C3B-C2B	4.73	1.46	1.36
31	B9	203	PEB	C3C-C4C	4.73	1.49	1.42
31	DD	1002	PEB	C3C-C4C	4.73	1.49	1.42
31	s8	202	PEB	CHA-C1B	4.73	1.51	1.40
33	IB	1001	CYC	CHB-C1B	4.73	1.49	1.38
33	LE	1001	CYC	C2C-C1C	-4.73	1.47	1.52
31	DJ	201	PEB	C3C-C4C	4.73	1.49	1.42
31	YH	202	PEB	C3B-C2B	4.73	1.46	1.36
31	RB	201	PEB	C3B-C2B	4.73	1.46	1.36
31	C5	202	PEB	C3B-C2B	4.72	1.46	1.36
31	S8	202	PEB	C3B-C2B	4.72	1.46	1.36
31	WE	201	PEB	C3C-C4C	4.72	1.49	1.42
31	XG	201	PEB	C3C-C4C	4.72	1.49	1.42
31	TH	202	PEB	C3C-C4C	4.72	1.49	1.42
31	W2	202	PEB	C3C-C4C	4.72	1.49	1.42
31	UH	202	PEB	C2A-C1A	-4.72	1.47	1.52
31	IA	201	PEB	C3C-C4C	4.72	1.49	1.42
31	HJ	201	PEB	C3C-C4C	4.72	1.49	1.42
31	J9	201	PEB	C3C-C4C	4.72	1.49	1.42
33	KE	202	CYC	C2A-C3A	4.72	1.46	1.36
31	UA	302	PEB	C3C-C4C	4.72	1.49	1.42
31	CG	201	PEB	C3C-C4C	4.72	1.49	1.42
31	X1	202	PEB	C3B-C2B	4.72	1.46	1.36
31	aB	201	PEB	C3B-C2B	4.72	1.46	1.36
31	h6	201	PEB	C3B-C2B	4.72	1.46	1.36
31	eA	201	PEB	C3C-C4C	4.72	1.49	1.42
31	HA	202	PEB	C3C-C4C	4.72	1.49	1.42
31	IG	201	PEB	C3C-C4C	4.72	1.49	1.42
31	NG	201	PEB	C3C-C4C	4.72	1.49	1.42
31	OK	201	PEB	C3B-C2B	4.72	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	jF	202	PEB	C3B-C2B	4.72	1.46	1.36
31	D5	201	PEB	C3C-C4C	4.72	1.49	1.42
31	M4	202	PEB	C3B-C2B	4.72	1.46	1.36
31	RH	202	PEB	C3C-C4C	4.71	1.49	1.42
31	L1	201	PEB	C3C-C4C	4.71	1.49	1.42
31	d6	201	PEB	C3B-C2B	4.71	1.46	1.36
31	aE	201	PEB	C3B-C2B	4.71	1.46	1.36
31	RK	203	PEB	C3C-C4C	4.71	1.49	1.42
31	f6	201	PEB	C3B-C2B	4.71	1.46	1.36
31	QH	203	PEB	C3C-C4C	4.71	1.49	1.42
31	R6	201	PEB	C3B-C2B	4.71	1.46	1.36
31	PK	201	PEB	C3C-C4C	4.71	1.49	1.42
31	Z4	202	PEB	C3C-C4C	4.71	1.49	1.42
31	AG	201	PEB	C3C-C4C	4.71	1.49	1.42
31	d8	201	PEB	C3C-C4C	4.71	1.49	1.42
33	B3	1001	CYC	C2C-C1C	-4.71	1.47	1.52
33	LC	1003	CYC	C2C-C1C	-4.71	1.47	1.52
33	I6	1001	CYC	CHB-C1B	4.71	1.49	1.38
31	SK	201	PEB	C3C-C4C	4.71	1.49	1.42
31	C9	201	PEB	C3B-C2B	4.71	1.46	1.36
31	GG	202	PEB	C3C-C4C	4.71	1.49	1.42
31	S2	201	PEB	C3C-C4C	4.71	1.49	1.42
31	TA	201	PEB	C1A-NA	-4.71	1.31	1.37
31	SI	201	PEB	C3B-C2B	4.71	1.46	1.36
31	UA	303	PEB	C3C-C4C	4.71	1.49	1.42
31	fB	201	PEB	C3B-C2B	4.71	1.46	1.36
31	T1	203	PEB	C1A-NA	-4.71	1.31	1.37
31	H5	201	PEB	C3C-C4C	4.71	1.49	1.42
32	xF	306	PUB	C2B-C1B	4.71	1.49	1.42
33	O3	1001	CYC	C2C-C1C	-4.70	1.47	1.52
31	M9	303	PEB	C3C-C4C	4.70	1.49	1.42
31	W7	202	PEB	C3B-C2B	4.70	1.46	1.36
31	YG	202	PEB	C3C-C4C	4.70	1.49	1.42
31	W4	203	PEB	C3B-C2B	4.70	1.46	1.36
31	F7	201	PEB	C3C-C4C	4.70	1.49	1.42
31	I4	202	PEB	C3C-C4C	4.70	1.49	1.42
31	ZD	201	PEB	C3C-C4C	4.70	1.49	1.42
31	hB	201	PEB	C3B-C2B	4.70	1.46	1.36
33	HB	1001	CYC	CHB-C1B	4.70	1.49	1.38
31	SK	201	PEB	C3B-C2B	4.70	1.46	1.36
31	W1	201	PEB	C3C-C4C	4.70	1.49	1.42
31	b7	502	PEB	C3C-C4C	4.70	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	EG	201	PEB	C3C-C4C	4.70	1.49	1.42
31	PG	201	PEB	C3C-C4C	4.70	1.49	1.42
31	iF	201	PEB	C3C-C4C	4.70	1.49	1.42
31	PF	202	PEB	C3B-C2B	4.70	1.46	1.36
31	P8	202	PEB	C3B-C2B	4.70	1.46	1.36
31	UE	202	PEB	C3C-C4C	4.69	1.49	1.42
31	iB	201	PEB	C3C-C4C	4.69	1.49	1.42
31	cA	402	PEB	C3C-C4C	4.69	1.49	1.42
33	G6	1001	CYC	CHB-C1B	4.69	1.49	1.38
31	SI	202	PEB	C3C-C4C	4.69	1.49	1.42
31	S4	203	PEB	C3C-C4C	4.69	1.49	1.42
32	AJ	303	PUB	C2B-C1B	4.69	1.49	1.42
31	CF	201	PEB	C3C-C4C	4.69	1.49	1.42
31	S9	202	PEB	C3C-C4C	4.69	1.49	1.42
31	T6	203	PEB	C3C-C4C	4.69	1.49	1.42
31	RE	201	PEB	C3C-C4C	4.69	1.49	1.42
31	Z9	303	PEB	C3C-C4C	4.69	1.49	1.42
31	JF	202	PEB	C3B-C2B	4.69	1.46	1.36
33	LC	1003	CYC	CHB-C1B	4.69	1.49	1.38
31	M1	201	PEB	C3C-C4C	4.69	1.49	1.42
33	q3	1001	CYC	C2C-C1C	-4.69	1.47	1.52
31	YK	302	PEB	C3C-C4C	4.69	1.49	1.42
31	l4	202	PEB	C3C-C4C	4.69	1.49	1.42
31	QA	203	PEB	C3C-C4C	4.68	1.49	1.42
31	N2	1002	PEB	C3C-C4C	4.68	1.49	1.42
31	S6	202	PEB	C3C-C4C	4.68	1.49	1.42
31	rF	201	PEB	C3C-C4C	4.68	1.49	1.42
31	P1	201	PEB	C3C-C4C	4.68	1.49	1.42
31	SC	201	PEB	C3C-C4C	4.68	1.49	1.42
31	R1	203	PEB	C3C-C4C	4.68	1.49	1.42
32	AH	303	PUB	C2B-C1B	4.68	1.49	1.42
31	HJ	202	PEB	C3C-C4C	4.68	1.49	1.42
31	B5	201	PEB	C3C-C4C	4.68	1.49	1.42
31	QB	201	PEB	C2A-C1A	-4.67	1.47	1.52
31	O1	201	PEB	C3B-C2B	4.67	1.46	1.36
31	Q2	201	PEB	C3C-C4C	4.67	1.49	1.42
31	C7	202	PEB	C3C-C4C	4.67	1.49	1.42
31	NC	1002	PEB	C3C-C4C	4.67	1.49	1.42
31	TB	203	PEB	C3C-C4C	4.67	1.49	1.42
31	HE	1002	PEB	C3C-C4C	4.67	1.49	1.42
31	VD	202	PEB	C3C-C4C	4.67	1.49	1.42
31	VE	202	PEB	C3C-C4C	4.67	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HB	1002	PEB	C3C-C4C	4.67	1.49	1.42
31	EA	501	PEB	C3C-C4C	4.67	1.49	1.42
31	NF	201	PEB	C2A-C1A	-4.67	1.47	1.52
31	aH	204	PEB	C3C-C4C	4.67	1.49	1.42
31	j8	202	PEB	C3B-C2B	4.66	1.46	1.36
31	h4	203	PEB	C3C-C4C	4.66	1.49	1.42
33	K2	201	CYC	CHB-C1B	4.66	1.49	1.38
31	M7	202	PEB	C3C-C4C	4.66	1.49	1.42
31	YD	201	PEB	C3C-C4C	4.66	1.49	1.42
33	EC	1001	CYC	CHB-C1B	4.66	1.49	1.38
31	HK	202	PEB	C3C-C4C	4.66	1.49	1.42
31	DA	202	PEB	C3C-C4C	4.66	1.49	1.42
31	J8	202	PEB	C3B-C2B	4.66	1.46	1.36
31	Q1	201	PEB	C1A-NA	-4.66	1.31	1.37
31	S8	202	PEB	C2A-C1A	-4.66	1.47	1.52
33	L3	1001	CYC	C2C-C1C	-4.66	1.47	1.52
31	P5	202	PEB	C1A-NA	-4.66	1.31	1.37
33	S3	1001	CYC	C2C-C1C	-4.66	1.47	1.52
31	Q9	201	PEB	C3C-C4C	4.66	1.49	1.42
31	S1	201	PEB	C3B-C2B	4.66	1.46	1.36
31	YE	201	PEB	C3B-C2B	4.66	1.46	1.36
31	UH	202	PEB	C3C-C4C	4.66	1.49	1.42
31	MA	202	PEB	C2A-C1A	-4.66	1.47	1.52
31	WH	201	PEB	C2A-C1A	-4.66	1.47	1.52
31	sF	202	PEB	CHA-C1B	4.66	1.51	1.40
31	h4	201	PEB	C3C-C4C	4.66	1.49	1.42
31	XK	202	PEB	C3B-C2B	4.65	1.46	1.36
31	Y1	302	PEB	C3C-C4C	4.65	1.49	1.42
33	U3	1001	CYC	C2C-C1C	-4.65	1.47	1.52
31	P1	202	PEB	C3C-C4C	4.65	1.49	1.42
31	S1	201	PEB	C3C-C4C	4.65	1.49	1.42
33	D2	1001	CYC	CHB-C1B	4.65	1.49	1.38
31	MH	202	PEB	C1A-NA	-4.65	1.31	1.37
33	E2	1001	CYC	CHB-C1B	4.65	1.49	1.38
31	YD	201	PEB	C3B-C2B	4.65	1.46	1.36
31	KG	203	PEB	C3C-C4C	4.65	1.49	1.42
31	dB	201	PEB	C3B-C2B	4.65	1.46	1.36
31	AD	301	PEB	C3C-C4C	4.65	1.49	1.42
31	Y7	504	PEB	C3C-C4C	4.65	1.49	1.42
31	OF	202	PEB	CHA-C1B	4.65	1.51	1.40
31	Q8	202	PEB	C3C-C4C	4.65	1.49	1.42
31	hA	301	PEB	C3C-C4C	4.65	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	TK	203	PEB	C1A-NA	-4.65	1.31	1.37
31	b7	503	PEB	C3C-C4C	4.64	1.49	1.42
31	D4	201	PEB	C3C-C4C	4.64	1.49	1.42
31	Q6	201	PEB	C2A-C1A	-4.64	1.47	1.52
31	GH	203	PEB	C3C-C4C	4.64	1.49	1.42
31	D8	203	PEB	C3C-C4C	4.64	1.49	1.42
31	GF	203	PEB	C3B-C2B	4.64	1.46	1.36
31	YF	203	PEB	C3C-C4C	4.64	1.49	1.42
32	wF	304	PUB	C2B-C1B	4.64	1.49	1.42
31	i6	201	PEB	C3C-C4C	4.64	1.49	1.42
33	KC	201	CYC	CHB-C1B	4.64	1.49	1.38
33	GE	201	CYC	C2C-C1C	-4.64	1.48	1.52
33	w3	1001	CYC	C2C-C1C	-4.64	1.48	1.52
33	M6	1001	CYC	CHB-C1B	4.64	1.49	1.38
31	NA	202	PEB	C3C-C4C	4.64	1.49	1.42
31	BJ	201	PEB	C3C-C4C	4.64	1.49	1.42
31	H6	1002	PEB	C3C-C4C	4.64	1.49	1.42
33	o3	1001	CYC	C2C-C1C	-4.64	1.48	1.52
31	BH	301	PEB	C3C-C4C	4.63	1.49	1.42
31	U4	201	PEB	C3C-C4C	4.63	1.49	1.42
31	SD	202	PEB	C3C-C4C	4.63	1.49	1.42
31	R6	203	PEB	C3C-C4C	4.63	1.49	1.42
31	G8	203	PEB	C3B-C2B	4.63	1.46	1.36
31	i8	201	PEB	C3C-C4C	4.63	1.49	1.42
31	M5	201	PEB	C3B-C2B	4.63	1.46	1.36
33	EB	1001	CYC	CHB-C1B	4.63	1.49	1.38
31	QF	202	PEB	C3C-C4C	4.63	1.49	1.42
31	OG	201	PEB	C3C-C4C	4.63	1.49	1.42
33	k3	1001	CYC	C2C-C1C	-4.63	1.48	1.52
31	VG	202	PEB	C3C-C4C	4.63	1.49	1.42
31	aA	201	PEB	C3C-C4C	4.63	1.49	1.42
31	ZH	202	PEB	C3C-C4C	4.63	1.49	1.42
31	LK	201	PEB	C3C-C4C	4.63	1.49	1.42
33	73	1001	CYC	C2C-C1C	-4.63	1.48	1.52
33	E6	1001	CYC	CHB-C1B	4.63	1.49	1.38
33	h3	1001	CYC	C2C-C1C	-4.63	1.48	1.52
31	XH	202	PEB	C3C-C4C	4.63	1.49	1.42
31	WC	201	PEB	C3C-C4C	4.62	1.49	1.42
31	UD	202	PEB	C3C-C4C	4.62	1.49	1.42
31	O8	202	PEB	CHA-C1B	4.62	1.51	1.40
32	M9	304	PUB	C2B-C1B	4.62	1.49	1.42
31	NG	202	PEB	C3C-C4C	4.62	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	gD	201	PEB	C3C-C4C	4.62	1.49	1.42
31	Y7	501	PEB	C3C-C4C	4.62	1.49	1.42
31	PG	202	PEB	C3C-C4C	4.62	1.49	1.42
31	W9	201	PEB	C3C-C4C	4.62	1.49	1.42
33	H3	1001	CYC	C2C-C1C	-4.62	1.48	1.52
31	UH	202	PEB	C3B-C2B	4.62	1.46	1.36
31	MK	201	PEB	C3C-C4C	4.62	1.49	1.42
31	DA	203	PEB	C3B-C2B	4.62	1.46	1.36
31	RD	202	PEB	C3C-C4C	4.62	1.49	1.42
31	PK	202	PEB	C3C-C4C	4.62	1.49	1.42
33	F3	1001	CYC	C2C-C1C	-4.62	1.48	1.52
31	SE	202	PEB	C3C-C4C	4.62	1.49	1.42
31	V8	202	PEB	C3B-C2B	4.62	1.46	1.36
33	BE	1002	CYC	CHB-C1B	4.61	1.49	1.38
31	l4	201	PEB	C3C-C4C	4.61	1.49	1.42
31	V7	201	PEB	C3C-C4C	4.61	1.49	1.42
31	IH	202	PEB	C1A-NA	-4.61	1.31	1.37
31	J5	201	PEB	C3C-C4C	4.61	1.49	1.42
31	OE	201	PEB	C3B-C2B	4.61	1.46	1.36
32	YK	304	PUB	C2B-C1B	4.61	1.49	1.42
31	EG	202	PEB	C3C-C4C	4.61	1.49	1.42
31	HG	201	PEB	C3C-C4C	4.61	1.49	1.42
31	Y7	503	PEB	C3C-C4C	4.61	1.49	1.42
31	Z2	201	PEB	C3B-C2B	4.61	1.46	1.36
31	RB	203	PEB	C3C-C4C	4.61	1.49	1.42
31	R7	202	PEB	C3C-C4C	4.61	1.49	1.42
31	T8	201	PEB	C3C-C4C	4.61	1.49	1.42
31	A7	201	PEB	C3B-C2B	4.61	1.46	1.36
31	j4	203	PEB	C3C-C4C	4.61	1.49	1.42
31	W4	201	PEB	C3C-C4C	4.61	1.49	1.42
31	FJ	201	PEB	C3C-C4C	4.61	1.49	1.42
31	V1	201	PEB	C3C-C4C	4.61	1.49	1.42
31	jC	203	PEB	C3C-C4C	4.61	1.49	1.42
31	IH	201	PEB	C3C-C4C	4.61	1.49	1.42
33	DC	1001	CYC	CHB-C1B	4.60	1.49	1.38
31	OA	201	PEB	C3C-C4C	4.60	1.49	1.42
31	KH	201	PEB	C2A-C1A	-4.60	1.48	1.52
31	XG	202	PEB	C3C-C4C	4.60	1.49	1.42
33	DC	1003	CYC	CHB-C1B	4.60	1.49	1.38
31	RG	202	PEB	C3C-C4C	4.60	1.49	1.42
31	K8	202	PEB	C1A-NA	-4.60	1.31	1.37
31	MJ	201	PEB	C3B-C2B	4.60	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Y9	201	PEB	C3C-C4C	4.60	1.49	1.42
31	NA	203	PEB	C3B-C2B	4.60	1.46	1.36
31	Q2	202	PEB	C3C-C4C	4.60	1.49	1.42
31	H8	202	PEB	C3B-C2B	4.60	1.46	1.36
31	IG	202	PEB	C3C-C4C	4.60	1.49	1.42
31	TG	203	PEB	C3C-C4C	4.60	1.49	1.42
31	AH	301	PEB	C3C-C4C	4.60	1.49	1.42
32	Z9	304	PUB	C2B-C1B	4.60	1.49	1.42
31	O1	202	PEB	C3C-C4C	4.60	1.49	1.42
31	G7	202	PEB	C3C-C4C	4.60	1.49	1.42
32	Y1	304	PUB	C2B-C1B	4.60	1.49	1.42
31	QC	202	PEB	C3C-C4C	4.59	1.49	1.42
31	FA	201	PEB	C3C-C4C	4.59	1.49	1.42
31	SB	202	PEB	C1A-NA	-4.59	1.31	1.37
31	S6	201	PEB	C1A-NA	-4.59	1.31	1.37
31	QC	201	PEB	C3C-C4C	4.59	1.49	1.42
31	JJ	201	PEB	C3C-C4C	4.59	1.49	1.42
31	K4	201	PEB	C3C-C4C	4.59	1.49	1.42
31	Z6	201	PEB	C2A-C1A	-4.59	1.48	1.52
33	D2	1003	CYC	CHB-C1B	4.59	1.48	1.38
33	D3	1001	CYC	C2C-C1C	-4.59	1.48	1.52
31	TF	201	PEB	C3C-C4C	4.59	1.49	1.42
31	IH	201	PEB	C3C-C4C	4.59	1.49	1.42
31	YH	202	PEB	C3C-C4C	4.59	1.49	1.42
31	o8	201	PEB	C1A-NA	-4.59	1.31	1.37
31	RK	201	PEB	C3B-C2B	4.59	1.46	1.36
31	LK	202	PEB	C3C-C4C	4.59	1.49	1.42
31	F5	201	PEB	C3C-C4C	4.59	1.49	1.42
31	BG	203	PEB	C3C-C4C	4.59	1.49	1.42
31	kF	203	PEB	C3C-C4C	4.59	1.49	1.42
31	NK	201	PEB	C3C-C4C	4.58	1.49	1.42
31	S8	202	PEB	C3C-C4C	4.58	1.49	1.42
31	fA	301	PEB	C3C-C4C	4.58	1.49	1.42
31	K7	202	PEB	C3B-C2B	4.58	1.46	1.36
31	eC	203	PEB	C3C-C4C	4.58	1.49	1.42
33	Q3	1001	CYC	C2C-C1C	-4.58	1.48	1.52
31	OD	201	PEB	C3C-C4C	4.58	1.49	1.42
31	NA	201	PEB	C3B-C2B	4.58	1.46	1.36
33	NB	1001	CYC	C2C-C1C	-4.58	1.48	1.52
31	GD	202	PEB	C3C-C4C	4.58	1.49	1.42
31	YE	201	PEB	C3C-C4C	4.58	1.49	1.42
31	OC	201	PEB	C3C-C4C	4.58	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	CG	202	PEB	C3C-C4C	4.58	1.49	1.42
31	M4	201	PEB	C3C-C4C	4.58	1.49	1.42
31	L5	202	PEB	C1A-NA	-4.58	1.31	1.37
33	MB	1001	CYC	CHB-C1B	4.58	1.48	1.38
31	KA	304	PEB	C3C-C4C	4.58	1.49	1.42
33	L2	1001	CYC	C2A-C3A	4.58	1.46	1.36
31	j2	203	PEB	C3C-C4C	4.58	1.49	1.42
31	BI	202	PEB	C3C-C4C	4.58	1.49	1.42
33	M3	1001	CYC	C2C-C1C	-4.58	1.48	1.52
31	ZE	201	PEB	C3C-C4C	4.58	1.49	1.42
31	SA	203	PEB	C3C-C4C	4.57	1.49	1.42
33	u3	1001	CYC	C2C-C1C	-4.57	1.48	1.52
31	TF	202	PEB	C3B-C2B	4.57	1.46	1.36
31	T8	202	PEB	C3B-C2B	4.57	1.46	1.36
31	N8	201	PEB	C2A-C1A	-4.57	1.48	1.52
31	ZH	202	PEB	C1A-NA	-4.57	1.31	1.37
31	F6	1002	PEB	C3C-C4C	4.57	1.49	1.42
31	DI	201	PEB	C3B-C2B	4.57	1.46	1.36
31	SH	202	PEB	C3C-C4C	4.57	1.49	1.42
31	OK	202	PEB	C3C-C4C	4.57	1.49	1.42
31	GG	203	PEB	C3C-C4C	4.57	1.49	1.42
31	S8	202	PEB	C1A-NA	-4.57	1.31	1.37
33	BD	1002	CYC	CHB-C1B	4.57	1.48	1.38
31	ZC	201	PEB	C3B-C2B	4.57	1.46	1.36
31	L2	1002	PEB	C3C-C4C	4.57	1.49	1.42
31	D8	202	PEB	C3B-C2B	4.56	1.46	1.36
31	MH	201	PEB	C3C-C4C	4.56	1.49	1.42
31	jB	201	PEB	C3B-C2B	4.56	1.46	1.36
33	j3	1001	CYC	C2C-C1C	-4.56	1.48	1.52
31	LH	202	PEB	C3C-C4C	4.56	1.49	1.42
33	x3	1001	CYC	C1C-NC	-4.56	1.31	1.37
31	HD	1002	PEB	C3C-C4C	4.56	1.49	1.42
31	AG	202	PEB	C3C-C4C	4.56	1.49	1.42
31	OE	201	PEB	C3C-C4C	4.56	1.49	1.42
31	X1	201	PEB	CHA-C1B	4.56	1.51	1.40
31	Z6	201	PEB	C1A-NA	-4.55	1.31	1.37
31	AB	304	PEB	C3C-C4C	4.55	1.49	1.42
31	OD	201	PEB	C3B-C2B	4.55	1.46	1.36
31	PD	202	PEB	C3B-C2B	4.55	1.46	1.36
31	W2	201	PEB	C3C-C4C	4.55	1.49	1.42
31	O1	201	PEB	C3C-C4C	4.55	1.49	1.42
31	b2	203	PEB	C3C-C4C	4.55	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	R1	201	PEB	C3B-C2B	4.55	1.46	1.36
31	NH	202	PEB	C3C-C4C	4.55	1.49	1.42
31	UH	202	PEB	C1A-NA	-4.55	1.31	1.37
31	RE	202	PEB	C3C-C4C	4.55	1.49	1.42
31	TA	201	PEB	C3B-C2B	4.55	1.46	1.36
31	PE	202	PEB	C3B-C2B	4.55	1.46	1.36
31	JF	201	PEB	C3C-C4C	4.55	1.49	1.42
31	X8	203	PEB	C3B-C2B	4.55	1.46	1.36
31	KF	202	PEB	C1A-NA	-4.54	1.31	1.37
31	L9	201	PEB	C3C-C4C	4.54	1.49	1.42
33	f3	1001	CYC	C2C-C1C	-4.54	1.48	1.52
31	LC	1002	PEB	C3C-C4C	4.54	1.49	1.42
31	ZG	401	PEB	C2A-C1A	-4.54	1.48	1.52
33	LC	1001	CYC	C2A-C3A	4.54	1.46	1.36
31	R7	201	PEB	C3C-C4C	4.54	1.49	1.42
31	WI	201	PEB	C3B-C2B	4.54	1.46	1.36
31	L1	202	PEB	C3C-C4C	4.54	1.49	1.42
31	P1	201	PEB	C3B-C2B	4.54	1.46	1.36
31	IA	203	PEB	C3C-C4C	4.54	1.49	1.42
31	JE	201	PEB	C3C-C4C	4.54	1.49	1.42
31	XK	201	PEB	CHA-C1B	4.54	1.51	1.40
31	SF	202	PEB	C3C-C4C	4.53	1.49	1.42
33	d3	1001	CYC	C2C-C1C	-4.53	1.48	1.52
31	G4	202	PEB	C3C-C4C	4.53	1.49	1.42
31	I7	201	PEB	C3C-C4C	4.53	1.49	1.42
31	HF	202	PEB	C3B-C2B	4.53	1.46	1.36
31	SF	202	PEB	C1A-NA	-4.53	1.31	1.37
31	EK	202	PEB	C3C-C4C	4.53	1.49	1.42
31	Q4	204	PEB	C3C-C4C	4.53	1.49	1.42
33	LE	1001	CYC	CHB-C1B	4.53	1.48	1.38
31	XA	201	PEB	C3C-C4C	4.53	1.49	1.42
31	FB	1002	PEB	C3C-C4C	4.53	1.49	1.42
32	A6	302	PUB	C2B-C1B	4.53	1.49	1.42
33	N6	1001	CYC	C2C-C1C	-4.53	1.48	1.52
31	Y4	201	PEB	C3C-C4C	4.53	1.49	1.42
31	F9	203	PEB	C3C-C4C	4.53	1.49	1.42
31	WD	202	PEB	C3B-C2B	4.53	1.46	1.36
31	VF	201	PEB	C3C-C4C	4.53	1.49	1.42
31	MH	202	PEB	C2A-C1A	-4.53	1.48	1.52
31	K8	201	PEB	C3B-C2B	4.53	1.46	1.36
31	F8	201	PEB	C3C-C4C	4.53	1.49	1.42
31	ZB	201	PEB	C2A-C1A	-4.53	1.48	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	a4	203	PEB	C3C-C4C	4.53	1.49	1.42
31	OK	201	PEB	C3C-C4C	4.52	1.49	1.42
33	LD	1001	CYC	C2C-C1C	-4.52	1.48	1.52
31	F9	202	PEB	C3C-C4C	4.52	1.49	1.42
31	A6	304	PEB	C3C-C4C	4.52	1.49	1.42
31	KF	201	PEB	C3B-C2B	4.52	1.46	1.36
31	E1	202	PEB	C3C-C4C	4.52	1.49	1.42
31	ZB	201	PEB	C1A-NA	-4.52	1.31	1.37
31	I4	201	PEB	C3C-C4C	4.52	1.49	1.42
32	AB	302	PUB	C2B-C1B	4.52	1.49	1.42
33	I3	1001	CYC	C2C-C1C	-4.52	1.48	1.52
33	DB	1001	CYC	CHB-C1B	4.52	1.48	1.38
33	S3	1001	CYC	C1C-NC	-4.51	1.31	1.37
31	j6	201	PEB	C3B-C2B	4.51	1.46	1.36
33	n3	1001	CYC	C2C-C1C	-4.51	1.48	1.52
31	JA	201	PEB	C3B-C2B	4.51	1.46	1.36
31	DF	202	PEB	C3B-C2B	4.51	1.46	1.36
31	mC	202	PEB	CHA-C1B	4.51	1.51	1.40
31	m2	202	PEB	CHA-C1B	4.51	1.51	1.40
31	CH	203	PEB	C3C-C4C	4.51	1.49	1.42
33	LB	1001	CYC	CHB-C1B	4.50	1.48	1.38
31	HF	201	PEB	C3C-C4C	4.50	1.49	1.42
31	AF	201	PEB	C3B-C2B	4.50	1.46	1.36
31	N1	201	PEB	C3C-C4C	4.50	1.49	1.42
31	NH	201	PEB	C3B-C2B	4.50	1.46	1.36
31	A8	201	PEB	C3B-C2B	4.50	1.46	1.36
31	c2	202	PEB	CHA-C1B	4.50	1.51	1.40
31	k8	203	PEB	C3C-C4C	4.50	1.49	1.42
31	Y4	202	PEB	C3C-C4C	4.50	1.49	1.42
33	LD	1001	CYC	CHB-C1B	4.50	1.48	1.38
31	QK	201	PEB	C1A-NA	-4.50	1.31	1.37
33	w3	1001	CYC	C1C-NC	-4.50	1.31	1.37
31	WD	201	PEB	C3C-C4C	4.50	1.49	1.42
33	LC	1001	CYC	C1C-NC	-4.50	1.31	1.37
31	J7	201	PEB	C3C-C4C	4.49	1.49	1.42
31	WE	201	PEB	C3B-C2B	4.49	1.46	1.36
31	VF	202	PEB	C3B-C2B	4.49	1.46	1.36
31	O2	201	PEB	C3C-C4C	4.49	1.49	1.42
33	D6	1001	CYC	CHB-C1B	4.49	1.48	1.38
31	PK	201	PEB	C3B-C2B	4.49	1.46	1.36
31	K4	203	PEB	C3C-C4C	4.49	1.49	1.42
32	BH	302	PUB	C2B-C1B	4.49	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	YE	202	PEB	C3C-C4C	4.49	1.49	1.42
33	I3	1001	CYC	C1C-NC	-4.49	1.31	1.37
31	F7	202	PEB	C3C-C4C	4.49	1.49	1.42
31	Z2	203	PEB	CHA-C1B	4.49	1.50	1.40
33	U3	1001	CYC	C1C-NC	-4.49	1.31	1.37
32	w8	304	PUB	C2B-C1B	4.49	1.49	1.42
33	u3	1001	CYC	C1C-NC	-4.48	1.31	1.37
33	F3	1001	CYC	C1C-NC	-4.48	1.31	1.37
31	TK	202	PEB	C3B-C2B	4.48	1.46	1.36
33	f3	1001	CYC	C1C-NC	-4.48	1.31	1.37
31	VK	201	PEB	C3C-C4C	4.48	1.49	1.42
33	JB	1001	CYC	CHB-C1B	4.48	1.48	1.38
31	gF	201	PEB	CHA-C1B	4.48	1.50	1.40
33	n3	1001	CYC	C1C-NC	-4.48	1.31	1.37
33	d3	1001	CYC	C1C-NC	-4.47	1.31	1.37
31	U6	201	PEB	C1A-NA	-4.47	1.31	1.37
31	WJ	202	PEB	C3B-C2B	4.47	1.46	1.36
31	IH	202	PEB	C3C-C4C	4.47	1.49	1.42
33	H3	1001	CYC	C1C-NC	-4.47	1.31	1.37
31	s8	203	PEB	C3C-C4C	4.47	1.49	1.42
31	BA	201	PEB	C3C-C4C	4.47	1.49	1.42
31	GF	201	PEB	C1A-NA	-4.47	1.31	1.37
33	D3	1001	CYC	C1C-NC	-4.47	1.31	1.37
33	73	1001	CYC	C1C-NC	-4.47	1.31	1.37
33	B3	1001	CYC	C1C-NC	-4.47	1.31	1.37
33	IE	1001	CYC	C2C-C1C	-4.46	1.48	1.52
33	L6	1001	CYC	CHB-C1B	4.46	1.48	1.38
33	k3	1001	CYC	C1C-NC	-4.46	1.31	1.37
31	JI	203	PEB	CHA-C1B	4.46	1.50	1.40
33	O3	1001	CYC	C1C-NC	-4.46	1.31	1.37
33	V3	1001	CYC	C1C-NC	-4.46	1.31	1.37
33	J6	1001	CYC	CHB-C1B	4.46	1.48	1.38
31	DH	201	PEB	C3C-C4C	4.45	1.49	1.42
31	S9	203	PEB	C3C-C4C	4.45	1.49	1.42
33	j3	1001	CYC	C1C-NC	-4.45	1.31	1.37
31	MF	201	PEB	C3B-C2B	4.45	1.46	1.36
31	UB	201	PEB	C1A-NA	-4.45	1.31	1.37
33	M3	1001	CYC	C1C-NC	-4.45	1.31	1.37
33	L3	1001	CYC	C1C-NC	-4.45	1.31	1.37
31	jH	203	PEB	C3C-C4C	4.45	1.49	1.42
33	FE	1001	CYC	CHB-C1B	4.45	1.48	1.38
31	Z4	202	PEB	C1A-NA	-4.45	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	Q3	1001	CYC	C1C-NC	-4.45	1.31	1.37
31	T1	201	PEB	C2A-C1A	-4.45	1.48	1.52
31	OI	203	PEB	CHA-C1B	4.44	1.50	1.40
31	T1	202	PEB	C3B-C2B	4.44	1.46	1.36
31	kC	202	PEB	CHA-C1B	4.44	1.50	1.40
31	k2	202	PEB	CHA-C1B	4.44	1.50	1.40
33	h3	1001	CYC	C1C-NC	-4.44	1.31	1.37
31	BF	201	PEB	C2A-C1A	-4.44	1.48	1.52
31	hH	203	PEB	C3C-C4C	4.44	1.49	1.42
31	cC	202	PEB	CHA-C1B	4.44	1.50	1.40
31	B8	201	PEB	C3C-C4C	4.44	1.49	1.42
31	WE	202	PEB	C3C-C4C	4.44	1.49	1.42
31	AA	501	PEB	C3C-C4C	4.44	1.49	1.42
31	SA	202	PEB	C3C-C4C	4.44	1.49	1.42
31	W9	202	PEB	C3C-C4C	4.44	1.49	1.42
33	ID	1001	CYC	C2C-C1C	-4.44	1.48	1.52
31	I5	202	PEB	C3B-C2B	4.44	1.46	1.36
31	J8	201	PEB	C3C-C4C	4.43	1.49	1.42
31	fH	202	PEB	C3C-C4C	4.43	1.49	1.42
31	Y2	202	PEB	CHA-C1B	4.43	1.50	1.40
31	LJ	201	PEB	C3C-C4C	4.43	1.49	1.42
31	fH	203	PEB	C3C-C4C	4.43	1.49	1.42
31	OD	201	PEB	C2A-C1A	-4.43	1.48	1.52
33	o3	1001	CYC	C1C-NC	-4.42	1.31	1.37
31	RF	201	PEB	C3C-C4C	4.42	1.48	1.42
31	IJ	202	PEB	C3B-C2B	4.42	1.46	1.36
31	YC	202	PEB	CHA-C1B	4.42	1.50	1.40
31	W7	202	PEB	C3C-C4C	4.42	1.48	1.42
31	BF	201	PEB	C3C-C4C	4.42	1.48	1.42
31	W7	202	PEB	C1A-NA	-4.42	1.31	1.37
31	TA	201	PEB	C3C-C4C	4.42	1.48	1.42
31	JH	202	PEB	C1A-NA	-4.42	1.31	1.37
31	kF	201	PEB	CHA-C1B	4.42	1.50	1.40
31	W5	202	PEB	C3B-C2B	4.42	1.46	1.36
33	E3	1001	CYC	CHB-C4A	4.41	1.50	1.40
31	sF	203	PEB	C3C-C4C	4.41	1.48	1.42
31	FF	202	PEB	C3B-C2B	4.41	1.46	1.36
31	F8	202	PEB	C3B-C2B	4.41	1.46	1.36
31	Y8	203	PEB	C3C-C4C	4.41	1.48	1.42
33	K3	1001	CYC	CHB-C4A	4.41	1.50	1.40
33	q3	1001	CYC	C1C-NC	-4.41	1.31	1.37
31	X8	201	PEB	C2A-C1A	-4.41	1.48	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	l3	1001	CYC	CHB-C4A	4.41	1.50	1.40
33	F6	1001	CYC	CHB-C1B	4.41	1.48	1.38
33	p3	1001	CYC	CHB-C4A	4.41	1.50	1.40
33	m3	1001	CYC	CHB-C4A	4.40	1.50	1.40
31	K7	202	PEB	C3C-C4C	4.40	1.48	1.42
31	ZC	203	PEB	CHA-C1B	4.40	1.50	1.40
31	W6	201	PEB	C1A-NA	-4.40	1.31	1.37
31	f4	203	PEB	C3C-C4C	4.40	1.48	1.42
33	i3	1001	CYC	CHB-C4A	4.40	1.50	1.40
33	FD	201	CYC	CHB-C1B	4.40	1.48	1.38
31	LH	202	PEB	CHA-C1B	4.40	1.50	1.40
33	N3	1001	CYC	CHB-C4A	4.40	1.50	1.40
33	e3	1001	CYC	CHB-C4A	4.40	1.50	1.40
31	LJ	202	PEB	C1A-NA	-4.40	1.31	1.37
33	R3	1001	CYC	CHB-C4A	4.40	1.50	1.40
33	c3	1001	CYC	CHB-C4A	4.40	1.50	1.40
33	A3	1001	CYC	CHB-C4A	4.40	1.50	1.40
31	g8	201	PEB	CHA-C1B	4.40	1.50	1.40
33	g3	1001	CYC	CHB-C4A	4.39	1.50	1.40
31	A7	201	PEB	C1A-NA	-4.39	1.31	1.37
33	v3	1001	CYC	CHB-C4A	4.39	1.50	1.40
31	CA	201	PEB	C1A-NA	-4.39	1.31	1.37
31	XF	203	PEB	C3B-C2B	4.39	1.46	1.36
31	eF	202	PEB	CHA-C1B	4.39	1.50	1.40
31	DA	201	PEB	C1A-NA	-4.39	1.31	1.37
33	T3	1001	CYC	CHB-C4A	4.39	1.50	1.40
31	YD	202	PEB	C3C-C4C	4.39	1.48	1.42
33	FB	1001	CYC	CHB-C1B	4.39	1.48	1.38
31	hH	201	PEB	C3C-C4C	4.39	1.48	1.42
33	P3	1001	CYC	CHB-C4A	4.39	1.50	1.40
31	WH	201	PEB	C1A-NA	-4.38	1.31	1.37
31	PJ	202	PEB	CHA-C1B	4.38	1.50	1.40
33	t3	1001	CYC	CHB-C4A	4.38	1.50	1.40
31	d4	201	PEB	C3C-C4C	4.38	1.48	1.42
31	O7	202	PEB	C3C-C4C	4.38	1.48	1.42
33	J3	1001	CYC	CHB-C4A	4.38	1.50	1.40
31	CH	201	PEB	C3C-C4C	4.38	1.48	1.42
33	r3	1001	CYC	CHB-C4A	4.38	1.50	1.40
31	P5	202	PEB	CHA-C1B	4.38	1.50	1.40
31	LG	201	PEB	C3C-C4C	4.37	1.48	1.42
33	G3	1001	CYC	CHB-C4A	4.37	1.50	1.40
33	L2	1001	CYC	CHB-C4A	4.37	1.50	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	C3	1001	CYC	CHB-C4A	4.37	1.50	1.40
31	H8	201	PEB	C3C-C4C	4.37	1.48	1.42
33	LD	1001	CYC	C1C-NC	-4.37	1.31	1.37
31	IK	202	PEB	C1A-NA	-4.37	1.31	1.37
33	C6	1001	CYC	C2C-C1C	-4.37	1.48	1.52
33	n3	1001	CYC	CHB-C4A	4.37	1.50	1.40
31	gF	203	PEB	C3C-C4C	4.37	1.48	1.42
31	NB	1002	PEB	C3C-C4C	4.37	1.48	1.42
31	g8	203	PEB	C3C-C4C	4.36	1.48	1.42
31	S9	201	PEB	C2C-C3C	4.36	1.50	1.37
31	IH	202	PEB	C2A-C1A	-4.36	1.48	1.52
31	JA	201	PEB	C3C-C4C	4.36	1.48	1.42
31	M8	201	PEB	C3B-C2B	4.36	1.46	1.36
31	L5	201	PEB	C3C-C4C	4.36	1.48	1.42
31	IH	202	PEB	C3B-C2B	4.36	1.46	1.36
33	q3	1001	CYC	CHB-C4A	4.36	1.50	1.40
31	c4	202	PEB	CHA-C1B	4.36	1.50	1.40
31	F9	203	PEB	C1A-NA	-4.36	1.32	1.37
31	P8	201	PEB	C2A-C1A	-4.36	1.48	1.52
31	IA	202	PEB	C3C-C4C	4.36	1.48	1.42
33	B3	1001	CYC	CHB-C4A	4.35	1.50	1.40
31	WG	203	PEB	CHA-C1B	4.35	1.50	1.40
31	RK	203	PEB	C1A-NA	-4.35	1.32	1.37
31	YH	202	PEB	C1A-NA	-4.35	1.32	1.37
33	LE	1001	CYC	C1C-NC	-4.35	1.32	1.37
33	DD	1001	CYC	C2C-C1C	-4.35	1.48	1.52
33	U3	1001	CYC	CHB-C4A	4.35	1.50	1.40
31	WB	201	PEB	C1A-NA	-4.35	1.32	1.37
33	Q3	1001	CYC	CHB-C4A	4.35	1.50	1.40
33	d3	1001	CYC	CHB-C4A	4.35	1.50	1.40
31	B8	201	PEB	C2A-C1A	-4.35	1.48	1.52
33	I3	1001	CYC	CHB-C4A	4.35	1.50	1.40
33	O3	1001	CYC	CHB-C4A	4.35	1.50	1.40
31	SB	202	PEB	C2A-C1A	-4.35	1.48	1.52
33	M3	1001	CYC	CHB-C4A	4.35	1.50	1.40
31	TK	201	PEB	C2A-C1A	-4.35	1.48	1.52
33	u3	1001	CYC	CHB-C4A	4.34	1.50	1.40
33	S3	1001	CYC	CHB-C4A	4.34	1.50	1.40
33	H3	1001	CYC	CHB-C4A	4.34	1.50	1.40
33	LC	1001	CYC	CHB-C4A	4.34	1.50	1.40
33	k3	1001	CYC	CHB-C4A	4.34	1.50	1.40
31	LF	201	PEB	C2A-C1A	-4.34	1.48	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	lB	201	PEB	C3B-C2B	4.34	1.45	1.36
33	D3	1001	CYC	CHB-C4A	4.34	1.50	1.40
31	I1	202	PEB	C1A-NA	-4.34	1.32	1.37
31	k8	201	PEB	CHA-C1B	4.34	1.50	1.40
31	MH	202	PEB	C3B-C2B	4.34	1.45	1.36
33	w3	1001	CYC	CHB-C4A	4.34	1.50	1.40
31	D4	201	PEB	CHA-C1B	4.34	1.50	1.40
33	F3	1001	CYC	CHB-C4A	4.34	1.50	1.40
33	j3	1001	CYC	CHB-C4A	4.34	1.50	1.40
31	M7	201	PEB	C1A-NA	-4.33	1.32	1.37
31	FF	201	PEB	C3C-C4C	4.33	1.48	1.42
33	L3	1001	CYC	CHB-C4A	4.33	1.50	1.40
31	G8	201	PEB	C1A-NA	-4.33	1.32	1.37
33	h3	1001	CYC	CHB-C4A	4.33	1.50	1.40
33	NB	1001	CYC	C1C-NC	-4.33	1.32	1.37
33	N6	1001	CYC	C1C-NC	-4.33	1.32	1.37
31	PF	201	PEB	C2A-C1A	-4.33	1.48	1.52
31	N6	1002	PEB	C3C-C4C	4.33	1.48	1.42
31	WF	201	PEB	C3C-C4C	4.33	1.48	1.42
31	M4	202	PEB	C3C-C4C	4.33	1.48	1.42
31	LG	201	PEB	C1A-NA	-4.33	1.32	1.37
31	aA	202	PEB	C1A-NA	-4.33	1.32	1.37
33	HB	1001	CYC	C1C-NC	-4.33	1.32	1.37
31	l4	203	PEB	C3C-C4C	4.33	1.48	1.42
33	f3	1001	CYC	CHB-C4A	4.33	1.50	1.40
31	FH	202	PEB	C3C-C4C	4.33	1.48	1.42
31	f8	201	PEB	C3C-C4C	4.33	1.48	1.42
31	KH	203	PEB	C1A-NA	-4.32	1.32	1.37
33	L2	1001	CYC	C1C-NC	-4.32	1.32	1.37
31	DI	203	PEB	CHA-C1B	4.32	1.50	1.40
31	MH	202	PEB	C3C-C4C	4.32	1.48	1.42
31	QF	201	PEB	CHA-C1B	4.32	1.50	1.40
31	e8	202	PEB	CHA-C1B	4.32	1.50	1.40
31	b6	201	PEB	C3B-C2B	4.32	1.45	1.36
33	73	1001	CYC	CHB-C4A	4.32	1.50	1.40
31	OE	201	PEB	C2A-C1A	-4.32	1.48	1.52
33	BD	1002	CYC	C2C-C1C	-4.32	1.48	1.52
31	bB	201	PEB	C3B-C2B	4.32	1.45	1.36
33	E2	1001	CYC	C1C-NC	-4.32	1.32	1.37
31	W4	201	PEB	C1A-NA	-4.32	1.32	1.37
31	R1	203	PEB	C1A-NA	-4.31	1.32	1.37
32	Z9	305	PUB	C2C-C3C	4.31	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	T4	202	PEB	CHA-C1B	4.31	1.50	1.40
31	GH	202	PEB	C3C-C4C	4.31	1.48	1.42
31	cH	202	PEB	CHA-C1B	4.31	1.50	1.40
33	HE	1001	CYC	C2C-C1C	-4.31	1.48	1.52
33	H6	1001	CYC	C1C-NC	-4.31	1.32	1.37
31	e8	202	PEB	C3B-C2B	4.31	1.45	1.36
33	o3	1001	CYC	CHB-C4A	4.31	1.50	1.40
31	WF	202	PEB	CHA-C1B	4.31	1.50	1.40
33	HE	1001	CYC	CHB-C1B	4.31	1.48	1.38
31	Q8	201	PEB	CHA-C1B	4.31	1.50	1.40
31	I4	203	PEB	C3C-C4C	4.31	1.48	1.42
31	DA	203	PEB	C1A-NA	-4.31	1.32	1.37
31	W8	201	PEB	C1A-NA	-4.30	1.32	1.37
33	DD	1001	CYC	C1C-NC	-4.30	1.32	1.37
31	eF	202	PEB	C3B-C2B	4.30	1.45	1.36
31	W8	202	PEB	CHA-C1B	4.30	1.50	1.40
31	R8	201	PEB	C3C-C4C	4.30	1.48	1.42
32	ZI	305	PUB	O1C-CGC	4.30	1.36	1.22
31	VB	202	PEB	C1A-NA	-4.30	1.32	1.37
31	V2	202	PEB	CHA-C1B	4.30	1.50	1.40
31	aC	202	PEB	CHA-C1B	4.30	1.50	1.40
32	M9	305	PUB	C2C-C3C	4.30	1.45	1.36
31	Y7	501	PEB	C2A-C1A	-4.29	1.48	1.52
31	l6	201	PEB	C3B-C2B	4.29	1.45	1.36
31	C8	202	PEB	CHA-C1B	4.29	1.50	1.40
31	CA	201	PEB	CHA-C1B	4.29	1.50	1.40
31	JH	202	PEB	CHA-C1B	4.29	1.50	1.40
33	HD	1001	CYC	CHB-C1B	4.29	1.48	1.38
31	eH	201	PEB	C1A-NA	-4.29	1.32	1.37
33	EC	1001	CYC	C1C-NC	-4.29	1.32	1.37
31	X8	202	PEB	C1A-NA	-4.29	1.32	1.37
31	WE	201	PEB	C1A-NA	-4.29	1.32	1.37
31	J9	201	PEB	C1A-NA	-4.29	1.32	1.37
32	CI	203	PUB	O1C-CGC	4.29	1.36	1.22
31	VC	202	PEB	CHA-C1B	4.28	1.50	1.40
31	zF	501	PEB	CHA-C1B	4.28	1.50	1.40
33	HD	1001	CYC	C1C-NC	-4.28	1.32	1.37
31	LF	202	PEB	C2C-C3C	4.28	1.50	1.37
31	z8	501	PEB	CHA-C1B	4.28	1.50	1.40
31	bE	201	PEB	C1A-NA	-4.28	1.32	1.37
31	UA	304	PEB	C2C-C3C	4.28	1.50	1.37
31	LH	202	PEB	C1A-NA	-4.28	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Q9	201	PEB	C1A-NA	-4.28	1.32	1.37
31	W9	202	PEB	C1A-NA	-4.28	1.32	1.37
31	BI	203	PEB	CHA-C1B	4.28	1.50	1.40
31	QH	204	PEB	C3C-C4C	4.28	1.48	1.42
31	Z9	301	PEB	C3C-C4C	4.28	1.48	1.42
31	b7	501	PEB	C3C-C4C	4.28	1.48	1.42
31	t8	202	PEB	C2C-C3C	4.28	1.50	1.37
31	IH	202	PEB	C3C-C4C	4.27	1.48	1.42
31	FH	202	PEB	CHA-C1B	4.27	1.50	1.40
31	WH	201	PEB	C3C-C4C	4.27	1.48	1.42
31	L8	202	PEB	C2C-C3C	4.27	1.50	1.37
31	W6	201	PEB	C2A-C1A	-4.27	1.48	1.52
31	M9	301	PEB	C3C-C4C	4.27	1.48	1.42
31	gF	201	PEB	C3B-C2B	4.27	1.45	1.36
31	K8	202	PEB	C2A-C1A	-4.27	1.48	1.52
31	D5	202	PEB	C1A-NA	-4.27	1.32	1.37
33	BE	1002	CYC	C1C-NC	-4.27	1.32	1.37
31	ZD	202	PEB	C1A-NA	-4.27	1.32	1.37
31	LF	202	PEB	C3B-C2B	4.27	1.45	1.36
31	MA	202	PEB	C1A-NA	-4.27	1.32	1.37
31	R4	202	PEB	CHA-C1B	4.27	1.50	1.40
31	MJ	201	PEB	C1A-NA	-4.26	1.32	1.37
31	V4	202	PEB	CHA-C1B	4.26	1.50	1.40
31	OH	203	PEB	C3C-C4C	4.26	1.48	1.42
33	BD	1002	CYC	CHB-C4A	4.26	1.50	1.40
31	XF	202	PEB	C3C-C4C	4.26	1.48	1.42
31	MA	201	PEB	C1A-NA	-4.26	1.32	1.37
31	T2	202	PEB	CHA-C1B	4.26	1.50	1.40
31	V6	202	PEB	C1A-NA	-4.26	1.32	1.37
31	M8	201	PEB	C1A-NA	-4.26	1.32	1.37
33	DE	1001	CYC	C1C-NC	-4.26	1.32	1.37
31	g8	201	PEB	C3B-C2B	4.26	1.45	1.36
31	O6	201	PEB	C3B-C2B	4.25	1.45	1.36
31	eD	203	PEB	C2C-C3C	4.25	1.50	1.37
31	U7	201	PEB	C3C-C4C	4.25	1.48	1.42
31	oF	202	PEB	CHA-C1B	4.25	1.50	1.40
31	L8	202	PEB	C3B-C2B	4.25	1.45	1.36
31	WF	202	PEB	C1A-NA	-4.25	1.32	1.37
31	U7	201	PEB	C3B-C2B	4.25	1.45	1.36
31	T1	201	PEB	C3C-C4C	4.25	1.48	1.42
31	UI	201	PEB	CHA-C1B	4.25	1.50	1.40
31	A8	201	PEB	CHA-C1B	4.25	1.50	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	O1	201	PEB	C2A-C1A	-4.25	1.48	1.52
31	FK	202	PEB	C3C-C4C	4.25	1.48	1.42
31	fF	201	PEB	C3C-C4C	4.25	1.48	1.42
31	FF	202	PEB	C1A-NA	-4.25	1.32	1.37
31	RA	201	PEB	CHA-C1B	4.24	1.50	1.40
31	WD	202	PEB	C1A-NA	-4.24	1.32	1.37
31	Q9	202	PEB	C1A-NA	-4.24	1.32	1.37
31	KA	303	PEB	C2C-C3C	4.24	1.50	1.37
31	D4	202	PEB	CHA-C1B	4.24	1.50	1.40
31	RH	202	PEB	CHA-C1B	4.24	1.50	1.40
31	VH	202	PEB	CHA-C1B	4.24	1.50	1.40
31	M4	202	PEB	C1A-NA	-4.23	1.32	1.37
33	73	1002	CYC	C2C-C1C	-4.23	1.48	1.52
31	IF	203	PEB	C1A-NA	-4.23	1.32	1.37
33	BE	1002	CYC	C2C-C1C	-4.23	1.48	1.52
31	NH	202	PEB	C1A-NA	-4.23	1.32	1.37
31	AF	201	PEB	CHA-C1B	4.23	1.50	1.40
31	P4	202	PEB	CHA-C1B	4.22	1.50	1.40
31	VF	202	PEB	CHA-C1B	4.22	1.50	1.40
31	g4	202	PEB	CHA-C1B	4.22	1.50	1.40
31	P2	202	PEB	CHA-C1B	4.22	1.50	1.40
31	K7	202	PEB	C1A-NA	-4.22	1.32	1.37
31	M5	201	PEB	C1A-NA	-4.22	1.32	1.37
33	HD	1001	CYC	C2C-C1C	-4.22	1.48	1.52
31	H9	201	PEB	C1A-NA	-4.22	1.32	1.37
31	RK	203	PEB	CHA-C1B	4.22	1.50	1.40
31	tF	202	PEB	C2C-C3C	4.22	1.50	1.37
31	T1	201	PEB	C1A-NA	-4.22	1.32	1.37
33	FD	202	CYC	CHB-C4A	4.22	1.50	1.40
31	TK	201	PEB	C3C-C4C	4.22	1.48	1.42
31	OF	202	PEB	C3B-C2B	4.22	1.45	1.36
31	u8	201	PEB	CHA-C1B	4.22	1.50	1.40
31	W8	201	PEB	C3C-C4C	4.22	1.48	1.42
31	IH	202	PEB	C1A-NA	-4.22	1.32	1.37
31	UA	302	PEB	C2C-C3C	4.22	1.50	1.37
31	MF	201	PEB	C1A-NA	-4.22	1.32	1.37
33	CE	1001	CYC	CHB-C4A	4.21	1.50	1.40
31	P1	201	PEB	CHA-C1B	4.21	1.50	1.40
31	TG	201	PEB	C3C-C4C	4.21	1.48	1.42
31	U9	202	PEB	C1A-NA	-4.21	1.32	1.37
31	PK	201	PEB	CHA-C1B	4.21	1.50	1.40
31	uF	202	PEB	CHA-C1B	4.21	1.50	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	F9	201	PEB	C2C-C3C	4.21	1.50	1.37
31	RD	201	PEB	C2A-C1A	-4.21	1.48	1.52
31	TC	202	PEB	CHA-C1B	4.21	1.50	1.40
31	qF	203	PEB	CHA-C1B	4.21	1.50	1.40
31	V9	201	PEB	C1A-NA	-4.21	1.32	1.37
33	W3	1001	CYC	CHB-C4A	4.21	1.50	1.40
32	M9	304	PUB	C2C-C3C	4.21	1.45	1.36
33	EC	1001	CYC	C2C-C1C	-4.20	1.48	1.52
31	OB	201	PEB	C1A-NA	-4.20	1.32	1.37
31	M7	201	PEB	C3B-C2B	4.20	1.45	1.36
31	S5	201	PEB	CHA-C1B	4.20	1.50	1.40
31	b8	202	PEB	CHA-C1B	4.20	1.50	1.40
33	N6	1001	CYC	CHB-C4A	4.20	1.50	1.40
31	QJ	201	PEB	CHA-C1B	4.20	1.50	1.40
31	V2	201	PEB	CHA-C1B	4.20	1.50	1.40
31	V8	201	PEB	C2A-C1A	-4.20	1.48	1.52
31	S6	201	PEB	C2A-C1A	-4.20	1.48	1.52
31	GG	201	PEB	C3C-C4C	4.20	1.48	1.42
31	WF	201	PEB	C1A-NA	-4.20	1.32	1.37
31	T9	201	PEB	C1A-NA	-4.20	1.32	1.37
31	X8	202	PEB	C3C-C4C	4.20	1.48	1.42
31	Q5	201	PEB	CHA-C1B	4.19	1.50	1.40
31	N4	202	PEB	CHA-C1B	4.19	1.50	1.40
31	E9	201	PEB	C1A-NA	-4.19	1.32	1.37
33	CB	1001	CYC	C2C-C1C	-4.19	1.48	1.52
32	Z9	304	PUB	C2C-C3C	4.19	1.45	1.36
31	F1	202	PEB	C3C-C4C	4.19	1.48	1.42
31	OH	201	PEB	C1A-NA	-4.19	1.32	1.37
31	H5	202	PEB	CHA-C1B	4.19	1.50	1.40
33	BE	1001	CYC	C1C-NC	-4.19	1.32	1.37
33	BD	1002	CYC	C1C-NC	-4.19	1.32	1.37
31	m4	201	PEB	CHA-C1B	4.19	1.50	1.40
31	RB	202	PEB	C1A-NA	-4.19	1.32	1.37
33	HC	1001	CYC	C1C-NC	-4.19	1.32	1.37
31	dC	202	PEB	C1A-NA	-4.19	1.32	1.37
31	S4	202	PEB	C3C-C4C	4.18	1.48	1.42
31	Z4	201	PEB	CHA-C1B	4.18	1.50	1.40
31	I8	203	PEB	C1A-NA	-4.18	1.32	1.37
31	OB	201	PEB	C3B-C2B	4.18	1.45	1.36
33	y3	1001	CYC	CHB-C4A	4.18	1.50	1.40
31	V8	202	PEB	CHA-C1B	4.18	1.50	1.40
31	ZI	301	PEB	C1A-NA	-4.18	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	NB	1001	CYC	CHB-C4A	4.18	1.50	1.40
31	q8	203	PEB	CHA-C1B	4.18	1.50	1.40
31	L4	202	PEB	CHA-C1B	4.18	1.50	1.40
31	DJ	202	PEB	C1A-NA	-4.18	1.32	1.37
31	CF	202	PEB	C3B-C2B	4.18	1.45	1.36
33	N2	1001	CYC	CHB-C4A	4.18	1.50	1.40
31	ZE	202	PEB	C1A-NA	-4.18	1.32	1.37
31	LG	202	PEB	C1A-NA	-4.18	1.32	1.37
33	NC	1001	CYC	CHB-C4A	4.18	1.50	1.40
31	D9	201	PEB	C1A-NA	-4.18	1.32	1.37
31	bD	202	PEB	C1A-NA	-4.18	1.32	1.37
31	XF	201	PEB	C2A-C1A	-4.18	1.48	1.52
31	NA	203	PEB	CHA-C1B	4.18	1.50	1.40
31	C9	201	PEB	C1A-NA	-4.17	1.32	1.37
31	CA	202	PEB	C1A-NA	-4.17	1.32	1.37
31	EH	201	PEB	C3C-C4C	4.17	1.48	1.42
31	d2	202	PEB	C1A-NA	-4.17	1.32	1.37
31	KA	303	PEB	OD-C4D	4.17	1.31	1.23
33	CC	1001	CYC	CHB-C4A	4.17	1.50	1.40
31	a2	202	PEB	CHA-C1B	4.17	1.50	1.40
31	YG	201	PEB	C1A-NA	-4.17	1.32	1.37
31	JE	201	PEB	C1A-NA	-4.17	1.32	1.37
31	R1	203	PEB	CHA-C1B	4.17	1.50	1.40
31	O8	202	PEB	C3B-C2B	4.17	1.45	1.36
31	PC	202	PEB	CHA-C1B	4.17	1.50	1.40
31	E5	202	PEB	C1A-NA	-4.17	1.32	1.37
33	J2	1001	CYC	C1C-NC	-4.17	1.32	1.37
31	SJ	201	PEB	CHA-C1B	4.17	1.50	1.40
31	YD	201	PEB	C1A-NA	-4.16	1.32	1.37
31	KA	303	PEB	CHA-C1B	4.16	1.50	1.40
31	zF	501	PEB	C3B-C2B	4.16	1.45	1.36
31	PH	202	PEB	CHA-C1B	4.16	1.50	1.40
33	DB	1001	CYC	C1C-NC	-4.16	1.32	1.37
31	k4	202	PEB	CHA-C1B	4.16	1.50	1.40
33	BD	1001	CYC	C1C-NC	-4.16	1.32	1.37
31	H9	201	PEB	OD-C4D	4.16	1.31	1.23
31	I9	201	PEB	C1A-NA	-4.16	1.32	1.37
33	HB	1001	CYC	C2C-C1C	-4.16	1.48	1.52
33	J2	1001	CYC	CHB-C4A	4.16	1.50	1.40
31	FI	201	PEB	C1A-NA	-4.16	1.32	1.37
31	X9	201	PEB	C1A-NA	-4.16	1.32	1.37
31	XH	202	PEB	C1A-NA	-4.16	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	X7	202	PEB	C1A-NA	-4.16	1.32	1.37
33	DE	1001	CYC	C2C-C1C	-4.16	1.48	1.52
31	V8	201	PEB	CHA-C1B	4.16	1.50	1.40
31	CF	202	PEB	CHA-C1B	4.16	1.50	1.40
31	TK	201	PEB	C1A-NA	-4.16	1.32	1.37
31	A9	201	PEB	C1A-NA	-4.16	1.32	1.37
31	o8	202	PEB	CHA-C1B	4.15	1.50	1.40
31	z8	501	PEB	C3B-C2B	4.15	1.45	1.36
33	L2	1001	CYC	C2C-C1C	-4.15	1.48	1.52
31	EJ	202	PEB	C1A-NA	-4.15	1.32	1.37
31	R9	201	PEB	C1A-NA	-4.15	1.32	1.37
31	N1	201	PEB	C2A-C1A	-4.15	1.48	1.52
31	U9	201	PEB	OD-C4D	4.15	1.31	1.23
31	R1	201	PEB	C1A-NA	-4.15	1.32	1.37
31	H4	202	PEB	CHA-C1B	4.15	1.50	1.40
31	KH	203	PEB	C3C-C4C	4.15	1.48	1.42
31	P9	201	PEB	C1A-NA	-4.15	1.32	1.37
33	H2	1001	CYC	C1C-NC	-4.15	1.32	1.37
31	T4	202	PEB	C1A-NA	-4.14	1.32	1.37
31	u8	202	PEB	CHA-C1B	4.14	1.50	1.40
31	Y7	501	PEB	C1A-NA	-4.14	1.32	1.37
31	iC	202	PEB	CHA-C1B	4.14	1.50	1.40
31	LH	201	PEB	CHA-C1B	4.14	1.50	1.40
31	G9	201	PEB	C1A-NA	-4.14	1.32	1.37
31	QB	201	PEB	C1A-NA	-4.14	1.32	1.37
31	W8	202	PEB	C1A-NA	-4.14	1.32	1.37
31	C8	202	PEB	C3B-C2B	4.14	1.45	1.36
31	DH	201	PEB	CHA-C1B	4.14	1.50	1.40
31	TH	202	PEB	CHA-C1B	4.14	1.50	1.40
31	QI	201	PEB	CHA-C1B	4.14	1.50	1.40
31	uF	203	PEB	CHA-C1B	4.14	1.50	1.40
31	A7	201	PEB	C3C-C4C	4.14	1.48	1.42
31	DK	203	PEB	CHA-C1B	4.13	1.50	1.40
31	i2	202	PEB	CHA-C1B	4.13	1.50	1.40
31	N9	201	PEB	C1A-NA	-4.13	1.32	1.37
31	XK	203	PEB	C3C-C4C	4.13	1.48	1.42
31	aH	203	PEB	C3C-C4C	4.13	1.48	1.42
31	I7	201	PEB	C1A-NA	-4.13	1.32	1.37
31	h2	202	PEB	C1A-NA	-4.13	1.32	1.37
31	UA	301	PEB	CHA-C1B	4.13	1.50	1.40
31	KH	201	PEB	C1A-NA	-4.13	1.32	1.37
31	e4	201	PEB	C1A-NA	-4.13	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Q6	201	PEB	C1A-NA	-4.13	1.32	1.37
31	K9	201	PEB	C1A-NA	-4.13	1.32	1.37
31	O6	201	PEB	C1A-NA	-4.13	1.32	1.37
33	MD	1001	CYC	C2C-C1C	-4.13	1.48	1.52
31	UF	201	PEB	C1A-NA	-4.13	1.32	1.37
31	OH	202	PEB	C3C-C4C	4.13	1.48	1.42
31	M7	201	PEB	C3C-C4C	4.13	1.48	1.42
31	bF	202	PEB	CHA-C1B	4.13	1.50	1.40
33	BE	1002	CYC	CHB-C4A	4.13	1.50	1.40
31	i4	201	PEB	CHA-C1B	4.13	1.50	1.40
31	MI	302	PEB	C1A-NA	-4.12	1.32	1.37
33	D6	1001	CYC	C1C-NC	-4.12	1.32	1.37
31	UA	304	PEB	CHA-C1B	4.12	1.50	1.40
31	tF	202	PEB	CHA-C1B	4.12	1.50	1.40
31	F9	202	PEB	C1A-NA	-4.12	1.32	1.37
31	gC	202	PEB	CHA-C1B	4.12	1.50	1.40
31	YD	201	PEB	C2A-C1A	-4.12	1.48	1.52
31	YH	202	PEB	C2A-C1A	-4.12	1.48	1.52
31	YE	201	PEB	C1A-NA	-4.12	1.32	1.37
33	ED	1001	CYC	CHB-C4A	4.12	1.50	1.40
31	HJ	202	PEB	CHA-C1B	4.12	1.50	1.40
31	KJ	201	PEB	C1A-NA	-4.12	1.32	1.37
31	N1	201	PEB	CHA-C1B	4.12	1.50	1.40
33	HE	1001	CYC	C1C-NC	-4.12	1.32	1.37
31	KF	202	PEB	C2A-C1A	-4.12	1.48	1.52
31	eF	201	PEB	C1A-NA	-4.11	1.32	1.37
31	hF	201	PEB	CHA-C1B	4.11	1.50	1.40
31	RK	201	PEB	C1A-NA	-4.11	1.32	1.37
31	OD	201	PEB	C1A-NA	-4.11	1.32	1.37
31	NK	201	PEB	C2A-C1A	-4.11	1.48	1.52
31	PK	203	PEB	C1A-NA	-4.11	1.32	1.37
33	JB	1001	CYC	C1C-NC	-4.11	1.32	1.37
31	VF	201	PEB	C2A-C1A	-4.11	1.48	1.52
31	LI	201	PEB	C1A-NA	-4.11	1.32	1.37
31	h8	201	PEB	CHA-C1B	4.11	1.50	1.40
31	p8	202	PEB	CHA-C1B	4.11	1.50	1.40
31	VH	201	PEB	CHA-C1B	4.10	1.50	1.40
33	JC	1001	CYC	CHB-C4A	4.10	1.50	1.40
31	M4	202	PEB	CHA-C1B	4.10	1.50	1.40
33	EE	1001	CYC	CHB-C4A	4.10	1.50	1.40
31	VC	201	PEB	CHA-C1B	4.10	1.50	1.40
33	C2	1001	CYC	CHB-C4A	4.10	1.50	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HH	202	PEB	CHA-C1B	4.10	1.50	1.40
31	DK	201	PEB	CHA-C1B	4.10	1.50	1.40
31	j6	201	PEB	C1A-NA	-4.10	1.32	1.37
33	DE	1001	CYC	CHB-C1B	4.10	1.47	1.38
31	mH	201	PEB	CHA-C1B	4.10	1.50	1.40
31	QA	202	PEB	CHA-C1B	4.09	1.50	1.40
31	QA	201	PEB	C1A-NA	-4.09	1.32	1.37
31	t8	202	PEB	CHA-C1B	4.09	1.50	1.40
31	SB	202	PEB	C3B-C2B	4.09	1.45	1.36
31	i4	202	PEB	CHA-C1B	4.09	1.50	1.40
31	e8	201	PEB	C1A-NA	-4.09	1.32	1.37
31	E8	201	PEB	C3B-C2B	4.09	1.45	1.36
31	l6	201	PEB	C1A-NA	-4.09	1.32	1.37
31	BA	203	PEB	C1A-NA	-4.09	1.32	1.37
31	P1	201	PEB	C1A-NA	-4.09	1.32	1.37
31	qF	201	PEB	CHA-C1B	4.09	1.50	1.40
31	pF	202	PEB	CHA-C1B	4.09	1.50	1.40
31	E8	201	PEB	CHA-C1B	4.09	1.50	1.40
31	aE	201	PEB	C1A-NA	-4.09	1.32	1.37
31	NH	201	PEB	C1A-NA	-4.09	1.32	1.37
31	WB	201	PEB	C2A-C1A	-4.09	1.48	1.52
32	Z9	304	PUB	OD-C4D	4.09	1.31	1.23
31	PK	201	PEB	C1A-NA	-4.09	1.32	1.37
31	kD	201	PEB	C1A-NA	-4.09	1.32	1.37
31	F8	202	PEB	C1A-NA	-4.08	1.32	1.37
31	C7	202	PEB	CHA-C1B	4.08	1.50	1.40
31	VF	201	PEB	CHA-C1B	4.08	1.50	1.40
31	eD	203	PEB	CHA-C1B	4.08	1.50	1.40
31	d8	202	PEB	CHA-C1B	4.08	1.50	1.40
31	PA	201	PEB	C1A-NA	-4.08	1.32	1.37
33	H6	1001	CYC	C2C-C1C	-4.08	1.48	1.52
31	F4	201	PEB	C1A-NA	-4.08	1.32	1.37
31	L4	201	PEB	CHA-C1B	4.08	1.50	1.40
31	JH	202	PEB	C2A-C1A	-4.08	1.48	1.52
31	j8	202	PEB	C1A-NA	-4.08	1.32	1.37
31	cE	202	PEB	CHA-C1B	4.08	1.50	1.40
31	dF	202	PEB	CHA-C1B	4.08	1.50	1.40
31	S6	201	PEB	C3B-C2B	4.07	1.45	1.36
31	R6	202	PEB	C1A-NA	-4.07	1.32	1.37
31	EF	201	PEB	CHA-C1B	4.07	1.50	1.40
31	O6	201	PEB	C2A-C1A	-4.07	1.48	1.52
31	I5	202	PEB	C1A-NA	-4.07	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UF	201	PEB	CHA-C1B	4.07	1.49	1.40
31	FH	201	PEB	C2A-C1A	-4.07	1.48	1.52
33	LB	1001	CYC	C2C-C1C	-4.07	1.48	1.52
31	TH	202	PEB	C1A-NA	-4.07	1.32	1.37
31	GA	203	PEB	C1A-NA	-4.07	1.32	1.37
31	R4	201	PEB	CHA-C1B	4.07	1.49	1.40
31	ZE	203	PEB	C1A-NA	-4.07	1.32	1.37
31	OI	202	PEB	C1A-NA	-4.07	1.32	1.37
31	cA	403	PEB	C2C-C3C	4.07	1.49	1.37
31	S9	201	PEB	C1A-NA	-4.07	1.32	1.37
31	I4	202	PEB	C1A-NA	-4.06	1.32	1.37
32	M9	304	PUB	OD-C4D	4.06	1.31	1.23
31	UH	202	PEB	CHA-C1B	4.06	1.49	1.40
31	U8	201	PEB	CHA-C1B	4.06	1.49	1.40
31	LH	202	PEB	C2A-C1A	-4.06	1.48	1.52
33	ME	1001	CYC	C2C-C1C	-4.06	1.48	1.52
31	FH	202	PEB	C1A-NA	-4.06	1.32	1.37
31	UA	302	PEB	CHA-C1B	4.06	1.49	1.40
31	L1	201	PEB	CHA-C1B	4.06	1.49	1.40
31	P1	203	PEB	C1A-NA	-4.06	1.32	1.37
31	g8	201	PEB	C1A-NA	-4.06	1.32	1.37
33	J6	1001	CYC	C1C-NC	-4.06	1.32	1.37
31	TF	202	PEB	C1A-NA	-4.06	1.32	1.37
31	WH	203	PEB	C3C-C4C	4.06	1.48	1.42
31	g2	202	PEB	CHA-C1B	4.06	1.49	1.40
31	D1	203	PEB	CHA-C1B	4.06	1.49	1.40
31	J8	201	PEB	CHA-C1B	4.06	1.49	1.40
31	X1	203	PEB	C3C-C4C	4.06	1.48	1.42
31	NA	203	PEB	C1A-NA	-4.05	1.32	1.37
31	F4	202	PEB	CHA-C1B	4.05	1.49	1.40
31	C4	202	PEB	C3C-C4C	4.05	1.48	1.42
31	IJ	201	PEB	CHA-C1B	4.05	1.49	1.40
31	SC	201	PEB	C1A-NA	-4.05	1.32	1.37
31	HH	202	PEB	C1A-NA	-4.05	1.32	1.37
31	g4	201	PEB	CHA-C1B	4.05	1.49	1.40
31	EH	203	PEB	C3C-C4C	4.05	1.48	1.42
31	K5	201	PEB	C1A-NA	-4.05	1.32	1.37
31	DI	201	PEB	C1A-NA	-4.05	1.32	1.37
31	IJ	202	PEB	CHA-C1B	4.05	1.49	1.40
31	M7	201	PEB	C2A-C1A	-4.05	1.48	1.52
31	F4	201	PEB	CHA-C1B	4.05	1.49	1.40
31	X4	202	PEB	CHA-C1B	4.05	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	IH	202	PEB	CHA-C1B	4.05	1.49	1.40
31	b8	201	PEB	CHA-C1B	4.05	1.49	1.40
33	E2	1001	CYC	C2C-C1C	-4.05	1.48	1.52
31	Q9	203	PEB	CHA-C1B	4.05	1.49	1.40
31	mD	203	PEB	CHA-C1B	4.05	1.49	1.40
31	HI	201	PEB	CHA-C1B	4.04	1.49	1.40
31	mF	201	PEB	CHA-C1B	4.04	1.49	1.40
31	mH	202	PEB	CHA-C1B	4.04	1.49	1.40
31	EF	201	PEB	C3B-C2B	4.04	1.45	1.36
31	TJ	202	PEB	CHA-C1B	4.04	1.49	1.40
31	NG	203	PEB	C3C-C4C	4.04	1.48	1.42
33	ED	1001	CYC	C1C-NC	-4.04	1.32	1.37
33	L6	1001	CYC	C1C-NC	-4.04	1.32	1.37
31	mE	203	PEB	CHA-C1B	4.04	1.49	1.40
31	NK	201	PEB	CHA-C1B	4.04	1.49	1.40
31	H4	201	PEB	CHA-C1B	4.04	1.49	1.40
31	W4	201	PEB	C2A-C1A	-4.04	1.48	1.52
31	GA	201	PEB	C1A-NA	-4.04	1.32	1.37
31	YA	201	PEB	C1A-NA	-4.04	1.32	1.37
33	JC	1001	CYC	C1C-NC	-4.04	1.32	1.37
31	NH	202	PEB	CHA-C1B	4.04	1.49	1.40
31	KK	202	PEB	CHA-C1B	4.04	1.49	1.40
31	dF	202	PEB	C2C-C3C	4.04	1.49	1.37
31	T8	202	PEB	C1A-NA	-4.04	1.32	1.37
31	R8	201	PEB	C2A-C1A	-4.03	1.48	1.52
31	hC	201	PEB	C1A-NA	-4.03	1.32	1.37
31	JG	201	PEB	C1A-NA	-4.03	1.32	1.37
31	SI	201	PEB	CHA-C1B	4.03	1.49	1.40
31	e4	201	PEB	CHA-C1B	4.03	1.49	1.40
31	ZH	201	PEB	C1A-NA	-4.03	1.32	1.37
31	OB	201	PEB	C2A-C1A	-4.03	1.48	1.52
31	ZA	203	PEB	C1A-NA	-4.03	1.32	1.37
31	cD	202	PEB	CHA-C1B	4.02	1.49	1.40
31	jF	202	PEB	C1A-NA	-4.02	1.32	1.37
31	IJ	202	PEB	C3C-C4C	4.02	1.48	1.42
31	LJ	202	PEB	CHA-C1B	4.02	1.49	1.40
31	L5	202	PEB	CHA-C1B	4.02	1.49	1.40
31	FJ	203	PEB	C4B-NB	-4.02	1.30	1.38
31	QA	202	PEB	C1A-NA	-4.02	1.32	1.37
33	G6	1001	CYC	C2C-C1C	-4.02	1.48	1.52
31	ZG	401	PEB	C2C-C3C	4.02	1.49	1.37
31	I5	201	PEB	CHA-C1B	4.02	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aC	201	PEB	CHA-C1B	4.02	1.49	1.40
31	T5	202	PEB	CHA-C1B	4.02	1.49	1.40
31	jB	201	PEB	C1A-NA	-4.02	1.32	1.37
31	B4	301	PEB	CHA-C1B	4.02	1.49	1.40
31	J4	202	PEB	CHA-C1B	4.02	1.49	1.40
31	aB	203	PEB	CHA-C1B	4.02	1.49	1.40
31	d8	202	PEB	C2C-C3C	4.02	1.49	1.37
31	JF	201	PEB	CHA-C1B	4.02	1.49	1.40
31	LK	201	PEB	CHA-C1B	4.02	1.49	1.40
31	C4	201	PEB	C1A-NA	-4.02	1.32	1.37
31	a2	201	PEB	CHA-C1B	4.02	1.49	1.40
31	RF	201	PEB	C2A-C1A	-4.01	1.48	1.52
31	iB	203	PEB	CHA-C1B	4.01	1.49	1.40
31	QJ	202	PEB	C1A-NA	-4.01	1.32	1.37
31	jF	202	PEB	CHA-C1B	4.01	1.49	1.40
31	FJ	201	PEB	C1A-NA	-4.01	1.32	1.37
31	f8	202	PEB	C1A-NA	-4.01	1.32	1.37
31	W9	201	PEB	C1A-NA	-4.01	1.32	1.37
31	mC	201	PEB	C1A-NA	-4.01	1.32	1.37
33	EE	1001	CYC	C1C-NC	-4.01	1.32	1.37
31	YE	201	PEB	C2A-C1A	-4.01	1.48	1.52
31	W4	201	PEB	CHA-C1B	4.01	1.49	1.40
31	OK	201	PEB	C2A-C1A	-4.01	1.48	1.52
31	fF	202	PEB	C1A-NA	-4.01	1.32	1.37
31	G7	202	PEB	C1A-NA	-4.01	1.32	1.37
31	B9	201	PEB	C1A-NA	-4.01	1.32	1.37
31	H9	203	PEB	C1A-NA	-4.01	1.32	1.37
31	dH	202	PEB	C1A-NA	-4.01	1.32	1.37
31	RF	202	PEB	C1A-NA	-4.01	1.32	1.37
31	S2	201	PEB	C1A-NA	-4.01	1.32	1.37
31	h6	201	PEB	C1A-NA	-4.01	1.32	1.37
31	ZH	202	PEB	CHA-C1B	4.00	1.49	1.40
31	D1	201	PEB	CHA-C1B	4.00	1.49	1.40
31	e6	201	PEB	CHA-C1B	4.00	1.49	1.40
31	WB	201	PEB	C3B-C2B	4.00	1.45	1.36
33	ID	1001	CYC	C1C-NC	-4.00	1.32	1.37
33	73	1002	CYC	CHB-C4A	4.00	1.49	1.40
31	NA	201	PEB	C1A-NA	-4.00	1.32	1.37
31	e2	201	PEB	C1A-NA	-4.00	1.32	1.37
31	YI	203	PEB	CHA-C1B	4.00	1.49	1.40
31	T1	201	PEB	CHA-C1B	4.00	1.49	1.40
31	I5	202	PEB	CHA-C1B	4.00	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	WD	202	PEB	C2A-C1A	-4.00	1.48	1.52
31	LK	203	PEB	CHA-C1B	4.00	1.49	1.40
31	P1	201	PEB	C2A-C1A	-4.00	1.48	1.52
31	WA	402	PEB	C2C-C3C	4.00	1.49	1.37
31	L8	201	PEB	C2A-C1A	-4.00	1.48	1.52
31	H9	202	PEB	C1A-NA	-4.00	1.32	1.37
31	Z4	202	PEB	CHA-C1B	4.00	1.49	1.40
31	i6	203	PEB	CHA-C1B	4.00	1.49	1.40
31	M9	303	PEB	C1A-NA	-3.99	1.32	1.37
31	ZG	401	PEB	C3C-C4C	3.99	1.48	1.42
31	MH	201	PEB	C2A-C1A	-3.99	1.48	1.52
31	SK	201	PEB	C2A-C1A	-3.99	1.48	1.52
31	WH	203	PEB	C1A-NA	-3.99	1.32	1.37
31	j8	202	PEB	CHA-C1B	3.99	1.49	1.40
33	EB	1001	CYC	C2C-C1C	-3.99	1.48	1.52
33	E6	1001	CYC	C2C-C1C	-3.99	1.48	1.52
31	aH	202	PEB	C1A-NA	-3.99	1.32	1.37
31	PK	201	PEB	C2A-C1A	-3.99	1.48	1.52
31	m2	201	PEB	C1A-NA	-3.99	1.32	1.37
33	l2	201	CYC	C1C-NC	-3.99	1.32	1.37
31	U8	201	PEB	C1A-NA	-3.99	1.32	1.37
31	a6	203	PEB	CHA-C1B	3.99	1.49	1.40
33	L6	1001	CYC	C2C-C1C	-3.99	1.48	1.52
33	F2	1001	CYC	CHB-C4A	3.99	1.49	1.40
31	L9	201	PEB	C1A-NA	-3.99	1.32	1.37
31	Y4	202	PEB	CHA-C1B	3.98	1.49	1.40
31	H8	201	PEB	C1A-NA	-3.98	1.32	1.37
31	GJ	202	PEB	C2C-C3C	3.98	1.49	1.37
31	WH	203	PEB	C2A-C1A	-3.98	1.48	1.52
31	U7	201	PEB	C1A-NA	-3.98	1.32	1.37
31	aD	201	PEB	C1A-NA	-3.98	1.32	1.37
31	ZE	203	PEB	CHA-C1B	3.98	1.49	1.40
31	IJ	202	PEB	C1A-NA	-3.98	1.32	1.37
31	eA	201	PEB	C1A-NA	-3.98	1.32	1.37
31	R4	201	PEB	C1A-NA	-3.98	1.32	1.37
31	Q7	201	PEB	C1A-NA	-3.98	1.32	1.37
31	A2	305	PEB	C2C-C3C	3.98	1.49	1.37
31	GF	202	PEB	C1A-NA	-3.98	1.32	1.37
31	HA	201	PEB	C1A-NA	-3.98	1.32	1.37
31	E5	202	PEB	CHA-C1B	3.98	1.49	1.40
31	aF	203	PEB	CHA-C1B	3.98	1.49	1.40
31	H8	202	PEB	C1A-NA	-3.98	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	DH	202	PEB	CHA-C1B	3.98	1.49	1.40
31	a8	203	PEB	CHA-C1B	3.98	1.49	1.40
31	eH	201	PEB	CHA-C1B	3.97	1.49	1.40
31	E4	203	PEB	C3C-C4C	3.97	1.48	1.42
31	UH	201	PEB	C1A-NA	-3.97	1.32	1.37
31	U9	201	PEB	C1A-NA	-3.97	1.32	1.37
31	K4	202	PEB	C3C-C4C	3.97	1.48	1.42
31	I4	202	PEB	CHA-C1B	3.97	1.49	1.40
31	DA	201	PEB	C2A-C1A	-3.97	1.48	1.52
33	BE	1001	CYC	CHB-C4A	3.97	1.49	1.40
31	QJ	202	PEB	CHA-C1B	3.97	1.49	1.40
31	P7	201	PEB	C1A-NA	-3.97	1.32	1.37
31	I5	202	PEB	C3C-C4C	3.97	1.48	1.42
31	U4	202	PEB	C1A-NA	-3.97	1.32	1.37
31	Y4	202	PEB	C1A-NA	-3.97	1.32	1.37
31	TK	201	PEB	CHA-C1B	3.97	1.49	1.40
31	GI	202	PEB	CHA-C1B	3.97	1.49	1.40
31	GD	202	PEB	C1A-NA	-3.97	1.32	1.37
31	EH	202	PEB	C1A-NA	-3.97	1.32	1.37
33	FD	201	CYC	C1C-NC	-3.97	1.32	1.37
33	KE	202	CYC	CHB-C4A	3.97	1.49	1.40
31	ZD	203	PEB	CHA-C1B	3.97	1.49	1.40
31	G5	202	PEB	C2C-C3C	3.97	1.49	1.37
33	IE	1001	CYC	C1C-NC	-3.97	1.32	1.37
31	L1	203	PEB	CHA-C1B	3.97	1.49	1.40
31	LF	202	PEB	C2A-C1A	-3.97	1.48	1.52
31	AE	304	PEB	C1A-NA	-3.97	1.32	1.37
31	UJ	201	PEB	CHA-C1B	3.96	1.49	1.40
31	C5	202	PEB	C1A-NA	-3.96	1.32	1.37
31	GH	201	PEB	C1A-NA	-3.96	1.32	1.37
31	F5	203	PEB	C4B-NB	-3.96	1.30	1.38
31	SF	202	PEB	CHA-C1B	3.96	1.49	1.40
31	TE	201	PEB	C1A-NA	-3.96	1.32	1.37
31	Q5	202	PEB	C1A-NA	-3.96	1.32	1.37
31	KK	201	PEB	C1A-NA	-3.96	1.32	1.37
33	M2	201	CYC	CHB-C4A	3.96	1.49	1.40
31	WG	202	PEB	C3C-C4C	3.96	1.48	1.42
31	K1	202	PEB	CHA-C1B	3.96	1.49	1.40
31	wF	303	PEB	CHA-C1B	3.96	1.49	1.40
33	GE	201	CYC	CHB-C4A	3.96	1.49	1.40
31	HH	201	PEB	C1A-NA	-3.96	1.32	1.37
31	IJ	201	PEB	C1A-NA	-3.96	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I5	201	PEB	C1A-NA	-3.96	1.32	1.37
33	LB	1001	CYC	C1C-NC	-3.96	1.32	1.37
31	OH	203	PEB	C1A-NA	-3.95	1.32	1.37
31	f2	201	PEB	C1A-NA	-3.95	1.32	1.37
31	S7	202	PEB	C1A-NA	-3.95	1.32	1.37
31	B1	203	PEB	CHA-C1B	3.95	1.49	1.40
31	d8	201	PEB	CHA-C1B	3.95	1.49	1.40
31	J4	201	PEB	CHA-C1B	3.95	1.49	1.40
31	q8	201	PEB	CHA-C1B	3.95	1.49	1.40
33	BD	1001	CYC	CHB-C4A	3.95	1.49	1.40
33	DD	1001	CYC	CHB-C1B	3.95	1.47	1.38
31	MH	201	PEB	C1A-NA	-3.95	1.32	1.37
31	JH	201	PEB	CHA-C1B	3.95	1.49	1.40
31	RI	202	PEB	CHA-C1B	3.95	1.49	1.40
31	YG	202	PEB	C1A-NA	-3.95	1.32	1.37
31	CJ	201	PEB	CHA-C1B	3.95	1.49	1.40
31	HF	202	PEB	CHA-C1B	3.95	1.49	1.40
31	H8	202	PEB	CHA-C1B	3.95	1.49	1.40
31	EI	202	PEB	CHA-C1B	3.95	1.49	1.40
31	qF	202	PEB	C3C-C4C	3.95	1.48	1.42
31	II	202	PEB	CHA-C1B	3.95	1.49	1.40
31	Y1	302	PEB	C2C-C3C	3.95	1.49	1.37
31	BK	201	PEB	CHA-C1B	3.95	1.49	1.40
31	DH	202	PEB	C1A-NA	-3.95	1.32	1.37
31	F1	201	PEB	CHA-C1B	3.95	1.49	1.40
31	dF	201	PEB	CHA-C1B	3.95	1.49	1.40
31	UJ	202	PEB	CHA-C1B	3.95	1.49	1.40
31	T7	202	PEB	CHA-C1B	3.95	1.49	1.40
31	eC	201	PEB	C1A-NA	-3.95	1.32	1.37
31	S8	202	PEB	CHA-C1B	3.95	1.49	1.40
31	N1	203	PEB	CHA-C1B	3.95	1.49	1.40
31	fE	202	PEB	CHA-C1B	3.95	1.49	1.40
31	OE	201	PEB	C1A-NA	-3.95	1.32	1.37
31	HJ	202	PEB	C1A-NA	-3.95	1.32	1.37
31	XI	202	PEB	CHA-C1B	3.95	1.49	1.40
31	PI	202	PEB	CHA-C1B	3.95	1.49	1.40
31	UA	301	PEB	C1A-NA	-3.95	1.32	1.37
31	fC	201	PEB	C1A-NA	-3.95	1.32	1.37
31	hH	202	PEB	C1A-NA	-3.95	1.32	1.37
31	OE	201	PEB	CHA-C1B	3.95	1.49	1.40
31	O5	202	PEB	CHA-C1B	3.95	1.49	1.40
31	D9	202	PEB	C1A-NA	-3.94	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	KI	202	PEB	CHA-C1B	3.94	1.49	1.40
31	w8	303	PEB	CHA-C1B	3.94	1.49	1.40
31	iH	201	PEB	CHA-C1B	3.94	1.49	1.40
31	lB	201	PEB	C1A-NA	-3.94	1.32	1.37
31	f8	201	PEB	C2A-C1A	-3.94	1.48	1.52
31	O7	202	PEB	C1A-NA	-3.94	1.32	1.37
31	T1	203	PEB	CHA-C1B	3.94	1.49	1.40
31	fC	202	PEB	C1A-NA	-3.94	1.32	1.37
31	TI	202	PEB	CHA-C1B	3.94	1.49	1.40
31	VI	202	PEB	CHA-C1B	3.94	1.49	1.40
31	AI	202	PEB	CHA-C1B	3.94	1.49	1.40
31	Y4	201	PEB	C1A-NA	-3.94	1.32	1.37
31	I8	201	PEB	C1A-NA	-3.94	1.32	1.37
31	S1	201	PEB	C2A-C1A	-3.94	1.48	1.52
33	N2	1001	CYC	C2C-C1C	-3.94	1.48	1.52
31	bA	201	PEB	C1A-NA	-3.94	1.32	1.37
31	FK	201	PEB	CHA-C1B	3.94	1.49	1.40
31	PK	203	PEB	CHA-C1B	3.94	1.49	1.40
31	mB	201	PEB	CHA-C1B	3.94	1.49	1.40
31	XF	202	PEB	C1A-NA	-3.94	1.32	1.37
31	X7	202	PEB	CHA-C1B	3.94	1.49	1.40
31	f8	201	PEB	CHA-C1B	3.94	1.49	1.40
31	BA	201	PEB	C1A-NA	-3.94	1.32	1.37
31	O4	201	PEB	C1A-NA	-3.94	1.32	1.37
31	Q2	202	PEB	CHA-C1B	3.94	1.49	1.40
31	XH	201	PEB	CHA-C1B	3.94	1.49	1.40
31	O4	201	PEB	CHA-C1B	3.94	1.49	1.40
31	g6	203	PEB	CHA-C1B	3.94	1.49	1.40
31	SF	201	PEB	C1A-NA	-3.94	1.32	1.37
31	U9	203	PEB	C1A-NA	-3.94	1.32	1.37
31	YE	202	PEB	CHA-C1B	3.94	1.49	1.40
31	CH	202	PEB	C3C-C4C	3.94	1.48	1.42
31	FF	201	PEB	CHA-C1B	3.94	1.49	1.40
31	mC	201	PEB	CHA-C1B	3.94	1.49	1.40
31	B1	201	PEB	CHA-C1B	3.94	1.49	1.40
31	CJ	202	PEB	C1A-NA	-3.93	1.32	1.37
31	R6	201	PEB	C1A-NA	-3.93	1.32	1.37
31	l4	202	PEB	CHA-C1B	3.93	1.49	1.40
31	PE	201	PEB	C2C-C3C	3.93	1.49	1.37
31	cA	401	PEB	CHA-C1B	3.93	1.49	1.40
31	HD	1002	PEB	C1A-NA	-3.93	1.32	1.37
33	ED	1001	CYC	C2C-C1C	-3.93	1.48	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	NI	202	PEB	CHA-C1B	3.93	1.49	1.40
31	PD	201	PEB	C2C-C3C	3.93	1.49	1.37
31	H2	1002	PEB	C1A-NA	-3.93	1.32	1.37
31	fB	201	PEB	C1A-NA	-3.93	1.32	1.37
31	M4	202	PEB	C2A-C1A	-3.93	1.48	1.52
31	U5	202	PEB	CHA-C1B	3.93	1.49	1.40
31	L8	201	PEB	CHA-C1B	3.93	1.49	1.40
31	M8	201	PEB	CHA-C1B	3.93	1.49	1.40
31	OG	202	PEB	C3C-C4C	3.93	1.48	1.42
31	OG	201	PEB	CHA-C1B	3.93	1.49	1.40
31	QD	202	PEB	C1A-NA	-3.93	1.32	1.37
31	C5	201	PEB	CHA-C1B	3.93	1.49	1.40
31	hA	301	PEB	CHA-C1B	3.93	1.49	1.40
31	XK	203	PEB	C1A-NA	-3.93	1.32	1.37
31	i8	203	PEB	C1A-NA	-3.93	1.32	1.37
31	PF	202	PEB	C2C-C3C	3.93	1.49	1.37
31	q8	202	PEB	C3C-C4C	3.93	1.48	1.42
33	GD	201	CYC	CHB-C4A	3.93	1.49	1.40
31	gF	201	PEB	C1A-NA	-3.93	1.32	1.37
31	LB	1002	PEB	C3C-C4C	3.93	1.48	1.42
31	A2	301	PEB	C2C-C3C	3.93	1.49	1.37
31	ZA	201	PEB	CHA-C1B	3.93	1.49	1.40
31	eB	201	PEB	CHA-C1B	3.93	1.49	1.40
31	O4	202	PEB	C2C-C3C	3.93	1.49	1.37
31	Q1	201	PEB	CHA-C1B	3.93	1.49	1.40
31	r8	202	PEB	CHA-C1B	3.93	1.49	1.40
31	EJ	202	PEB	CHA-C1B	3.93	1.49	1.40
31	HF	202	PEB	C1A-NA	-3.92	1.32	1.37
31	L9	203	PEB	CHA-C1B	3.92	1.49	1.40
33	FC	1001	CYC	CHB-C4A	3.92	1.49	1.40
31	W9	203	PEB	C1A-NA	-3.92	1.32	1.37
31	B9	203	PEB	CHA-C1B	3.92	1.49	1.40
31	PF	202	PEB	CHA-C1B	3.92	1.49	1.40
31	m6	201	PEB	CHA-C1B	3.92	1.49	1.40
31	N1	201	PEB	C1A-NA	-3.92	1.32	1.37
31	hB	201	PEB	C1A-NA	-3.92	1.32	1.37
31	AC	301	PEB	C2C-C3C	3.92	1.49	1.37
31	Q7	201	PEB	CHA-C1B	3.92	1.49	1.40
31	cF	203	PEB	CHA-C1B	3.92	1.49	1.40
31	AD	304	PEB	C1A-NA	-3.92	1.32	1.37
33	GD	201	CYC	C1C-NC	-3.92	1.32	1.37
31	P1	203	PEB	CHA-C1B	3.92	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	c8	203	PEB	CHA-C1B	3.92	1.49	1.40
31	X1	203	PEB	C1A-NA	-3.92	1.32	1.37
33	GB	1001	CYC	C2C-C1C	-3.92	1.48	1.52
33	GE	201	CYC	C1C-NC	-3.92	1.32	1.37
31	CI	202	PEB	CHA-C1B	3.92	1.49	1.40
31	SA	203	PEB	C1A-NA	-3.92	1.32	1.37
31	bF	201	PEB	CHA-C1B	3.92	1.49	1.40
31	K4	203	PEB	C1A-NA	-3.91	1.32	1.37
31	D7	201	PEB	C1A-NA	-3.91	1.32	1.37
31	D8	202	PEB	C1A-NA	-3.91	1.32	1.37
31	IF	201	PEB	C1A-NA	-3.91	1.32	1.37
31	AC	305	PEB	C2C-C3C	3.91	1.49	1.37
33	JB	1001	CYC	CHB-C4A	3.91	1.49	1.40
31	Y4	203	PEB	C3C-C4C	3.91	1.48	1.42
33	L6	1001	CYC	CHB-C4A	3.91	1.49	1.40
31	QC	202	PEB	CHA-C1B	3.91	1.49	1.40
31	C7	202	PEB	C1A-NA	-3.91	1.32	1.37
33	LC	1003	CYC	C1C-NC	-3.91	1.32	1.37
31	YD	202	PEB	CHA-C1B	3.91	1.49	1.40
31	RD	201	PEB	CHA-C1B	3.91	1.49	1.40
31	QK	201	PEB	CHA-C1B	3.91	1.49	1.40
31	TK	203	PEB	CHA-C1B	3.91	1.49	1.40
31	B9	201	PEB	CHA-C1B	3.91	1.49	1.40
31	PH	202	PEB	C1A-NA	-3.91	1.32	1.37
31	RE	201	PEB	CHA-C1B	3.91	1.49	1.40
31	VA	202	PEB	C1A-NA	-3.91	1.32	1.37
31	Z9	303	PEB	C1A-NA	-3.91	1.32	1.37
31	RK	201	PEB	CHA-C1B	3.91	1.49	1.40
31	L8	202	PEB	CHA-C1B	3.91	1.49	1.40
31	m8	201	PEB	CHA-C1B	3.91	1.49	1.40
31	m2	201	PEB	CHA-C1B	3.91	1.49	1.40
31	aB	201	PEB	C2A-C1A	-3.90	1.48	1.52
31	E4	202	PEB	C1A-NA	-3.90	1.32	1.37
31	f6	201	PEB	C1A-NA	-3.90	1.32	1.37
31	VH	201	PEB	C1A-NA	-3.90	1.32	1.37
31	WC	202	PEB	CHA-C1B	3.90	1.49	1.40
31	NA	203	PEB	C2A-C1A	-3.90	1.48	1.52
33	LC	1001	CYC	C2C-C1C	-3.90	1.48	1.52
31	P8	202	PEB	C2C-C3C	3.90	1.49	1.37
31	EH	201	PEB	C1A-NA	-3.90	1.32	1.37
31	O4	203	PEB	C1A-NA	-3.90	1.32	1.37
31	j8	201	PEB	CHA-C1B	3.90	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	P2	202	PEB	C1A-NA	-3.90	1.32	1.37
31	SG	201	PEB	C1A-NA	-3.90	1.32	1.37
31	IH	203	PEB	C3C-C4C	3.90	1.48	1.42
31	S7	203	PEB	CHA-C1B	3.90	1.49	1.40
31	n8	202	PEB	CHA-C1B	3.89	1.49	1.40
33	FB	1001	CYC	C1C-NC	-3.89	1.32	1.37
33	FE	1001	CYC	C1C-NC	-3.89	1.32	1.37
31	WJ	201	PEB	CHA-C1B	3.89	1.49	1.40
31	BK	203	PEB	CHA-C1B	3.89	1.49	1.40
31	K8	202	PEB	CHA-C1B	3.89	1.49	1.40
31	gB	203	PEB	CHA-C1B	3.89	1.49	1.40
31	YK	302	PEB	C2C-C3C	3.89	1.49	1.37
31	YG	201	PEB	C3C-C4C	3.89	1.48	1.42
31	bD	201	PEB	C1A-NA	-3.89	1.32	1.37
33	N2	1001	CYC	C1C-NC	-3.89	1.32	1.37
31	EJ	201	PEB	CHA-C1B	3.89	1.49	1.40
31	E5	201	PEB	CHA-C1B	3.89	1.49	1.40
31	n8	202	PEB	C2C-C3C	3.89	1.49	1.37
31	lB	202	PEB	CHA-C1B	3.89	1.49	1.40
31	OK	202	PEB	C1A-NA	-3.89	1.32	1.37
31	iH	202	PEB	CHA-C1B	3.89	1.49	1.40
33	C6	1001	CYC	CHB-C4A	3.89	1.49	1.40
31	Y2	201	PEB	CHA-C1B	3.89	1.49	1.40
31	RH	201	PEB	C1A-NA	-3.89	1.32	1.37
31	Y7	502	PEB	C1A-NA	-3.89	1.32	1.37
31	e4	202	PEB	CHA-C1B	3.89	1.49	1.40
31	RE	201	PEB	C2A-C1A	-3.89	1.48	1.52
31	T5	203	PEB	C2C-C3C	3.89	1.49	1.37
31	I8	201	PEB	CHA-C1B	3.89	1.49	1.40
31	PC	202	PEB	C1A-NA	-3.89	1.32	1.37
31	KF	201	PEB	C1A-NA	-3.89	1.32	1.37
31	W6	201	PEB	C3B-C2B	3.89	1.45	1.36
31	RC	202	PEB	CHA-C1B	3.89	1.49	1.40
31	U5	201	PEB	CHA-C1B	3.89	1.49	1.40
31	TJ	203	PEB	C2C-C3C	3.89	1.49	1.37
31	fD	202	PEB	CHA-C1B	3.89	1.49	1.40
31	RA	201	PEB	C1A-NA	-3.88	1.32	1.37
31	ZC	202	PEB	C1A-NA	-3.88	1.32	1.37
31	NK	201	PEB	C1A-NA	-3.88	1.32	1.37
31	WG	201	PEB	C1A-NA	-3.88	1.32	1.37
31	QH	203	PEB	C1A-NA	-3.88	1.32	1.37
31	MF	201	PEB	CHA-C1B	3.88	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	QI	202	PEB	CHA-C1B	3.88	1.49	1.40
31	NK	203	PEB	CHA-C1B	3.88	1.49	1.40
33	JC	1003	CYC	CHB-C4A	3.88	1.49	1.40
31	KF	202	PEB	CHA-C1B	3.88	1.49	1.40
31	eF	202	PEB	C1A-NA	-3.88	1.32	1.37
31	WA	402	PEB	CHA-C1B	3.88	1.49	1.40
31	XH	202	PEB	CHA-C1B	3.88	1.49	1.40
31	IF	201	PEB	CHA-C1B	3.88	1.49	1.40
31	JG	202	PEB	CHA-C1B	3.88	1.49	1.40
31	fF	201	PEB	CHA-C1B	3.88	1.49	1.40
33	J6	1001	CYC	CHB-C4A	3.88	1.49	1.40
31	XF	203	PEB	C2C-C3C	3.88	1.49	1.37
31	EJ	201	PEB	C1A-NA	-3.88	1.32	1.37
31	WE	201	PEB	C2A-C1A	-3.88	1.48	1.52
31	SJ	202	PEB	CHA-C1B	3.88	1.49	1.40
31	U5	202	PEB	C1A-NA	-3.88	1.32	1.37
31	R1	201	PEB	CHA-C1B	3.88	1.49	1.40
31	G8	203	PEB	CHA-C1B	3.88	1.49	1.40
31	S8	201	PEB	C1A-NA	-3.88	1.32	1.37
31	F9	201	PEB	C1A-NA	-3.88	1.32	1.37
31	Z2	202	PEB	C1A-NA	-3.87	1.32	1.37
31	MH	202	PEB	CHA-C1B	3.87	1.49	1.40
31	N4	201	PEB	CHA-C1B	3.87	1.49	1.40
31	N4	202	PEB	C1A-NA	-3.87	1.32	1.37
31	QF	201	PEB	C3B-C2B	3.87	1.45	1.36
31	e2	202	PEB	CHA-C1B	3.87	1.49	1.40
31	OJ	202	PEB	CHA-C1B	3.87	1.49	1.40
31	T4	202	PEB	C2A-C1A	-3.87	1.48	1.52
31	dD	203	PEB	CHA-C1B	3.87	1.49	1.40
31	jF	201	PEB	CHA-C1B	3.87	1.49	1.40
31	RB	201	PEB	C1A-NA	-3.87	1.32	1.37
31	X4	201	PEB	CHA-C1B	3.87	1.49	1.40
31	nF	202	PEB	CHA-C1B	3.87	1.49	1.40
31	HE	1002	PEB	C1A-NA	-3.87	1.32	1.37
31	II	202	PEB	C2C-C3C	3.87	1.49	1.37
31	Q9	203	PEB	C1A-NA	-3.87	1.32	1.37
31	PI	202	PEB	C2C-C3C	3.87	1.49	1.37
33	HC	1001	CYC	C2C-C1C	-3.87	1.48	1.52
31	W5	201	PEB	C1A-NA	-3.87	1.32	1.37
31	VH	202	PEB	C1A-NA	-3.87	1.32	1.37
31	J4	202	PEB	C1A-NA	-3.87	1.32	1.37
31	TE	201	PEB	CHA-C1B	3.87	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SA	201	PEB	C1A-NA	-3.87	1.32	1.37
31	QD	202	PEB	CHA-C1B	3.87	1.49	1.40
31	N8	202	PEB	CHA-C1B	3.87	1.49	1.40
31	KI	202	PEB	C2C-C3C	3.87	1.49	1.37
31	Q5	202	PEB	CHA-C1B	3.87	1.49	1.40
31	JI	202	PEB	C1A-NA	-3.87	1.32	1.37
31	QD	203	PEB	CHA-C1B	3.86	1.49	1.40
33	CB	1001	CYC	CHB-C4A	3.86	1.49	1.40
31	IF	203	PEB	C2A-C1A	-3.86	1.48	1.52
31	l2	202	PEB	CHA-C1B	3.86	1.49	1.40
31	S5	202	PEB	CHA-C1B	3.86	1.49	1.40
31	QE	202	PEB	CHA-C1B	3.86	1.49	1.40
31	QE	202	PEB	C1A-NA	-3.86	1.32	1.37
31	f2	202	PEB	C1A-NA	-3.86	1.32	1.37
33	F6	1001	CYC	C1C-NC	-3.86	1.32	1.37
31	RB	201	PEB	C2A-C1A	-3.86	1.48	1.52
33	H2	1001	CYC	C2C-C1C	-3.86	1.48	1.52
31	TF	201	PEB	CHA-C1B	3.86	1.49	1.40
31	RI	202	PEB	C2C-C3C	3.86	1.49	1.37
31	JI	201	PEB	CHA-C1B	3.86	1.49	1.40
31	H9	201	PEB	CHA-C1B	3.86	1.49	1.40
31	J9	203	PEB	C1A-NA	-3.86	1.32	1.37
31	O9	202	PEB	C1A-NA	-3.86	1.32	1.37
31	F5	201	PEB	C1A-NA	-3.86	1.32	1.37
31	Q5	201	PEB	C2A-C1A	-3.86	1.48	1.52
31	jE	202	PEB	CHA-C1B	3.86	1.49	1.40
31	OD	201	PEB	CHA-C1B	3.86	1.49	1.40
33	LB	1001	CYC	CHB-C4A	3.86	1.49	1.40
31	K1	201	PEB	C1A-NA	-3.86	1.32	1.37
31	TF	201	PEB	C2A-C1A	-3.86	1.48	1.52
31	EI	202	PEB	C2C-C3C	3.85	1.49	1.37
31	H7	201	PEB	C1A-NA	-3.85	1.32	1.37
31	V7	201	PEB	C1A-NA	-3.85	1.32	1.37
31	GF	203	PEB	CHA-C1B	3.85	1.49	1.40
31	P8	202	PEB	CHA-C1B	3.85	1.49	1.40
31	IA	203	PEB	C1A-NA	-3.85	1.32	1.37
31	m4	202	PEB	CHA-C1B	3.85	1.49	1.40
31	R6	201	PEB	C2A-C1A	-3.85	1.48	1.52
33	ID	1001	CYC	CHB-C4A	3.85	1.49	1.40
33	CE	1001	CYC	C1C-NC	-3.85	1.32	1.37
31	AJ	301	PEB	C2C-C3C	3.85	1.49	1.37
31	QD	201	PEB	C1A-NA	-3.85	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HG	201	PEB	C1A-NA	-3.85	1.32	1.37
33	E6	1001	CYC	CHB-C4A	3.85	1.49	1.40
31	AI	202	PEB	C2C-C3C	3.85	1.49	1.37
31	NI	202	PEB	C2C-C3C	3.85	1.49	1.37
31	NF	202	PEB	CHA-C1B	3.85	1.49	1.40
31	D2	1002	PEB	CHA-C1B	3.85	1.49	1.40
31	fE	202	PEB	C1A-NA	-3.85	1.32	1.37
31	W5	201	PEB	CHA-C1B	3.85	1.49	1.40
31	rF	202	PEB	CHA-C1B	3.85	1.49	1.40
33	MB	1001	CYC	C2C-C1C	-3.85	1.48	1.52
31	LF	202	PEB	CHA-C1B	3.85	1.49	1.40
31	P6	201	PEB	CHA-C1B	3.85	1.49	1.40
31	JG	202	PEB	C1A-NA	-3.85	1.32	1.37
31	a8	202	PEB	C1A-NA	-3.85	1.32	1.37
31	B9	203	PEB	C1A-NA	-3.85	1.32	1.37
31	S9	203	PEB	C1A-NA	-3.85	1.32	1.37
31	HC	1002	PEB	C1A-NA	-3.85	1.32	1.37
31	O9	201	PEB	C1A-NA	-3.85	1.32	1.37
31	fD	202	PEB	C1A-NA	-3.85	1.32	1.37
33	H2	1001	CYC	CHB-C4A	3.85	1.49	1.40
31	ZB	201	PEB	C3B-C2B	3.85	1.44	1.36
31	E7	201	PEB	C1A-NA	-3.85	1.32	1.37
31	VI	202	PEB	C2C-C3C	3.85	1.49	1.37
31	a6	201	PEB	C2A-C1A	-3.85	1.48	1.52
31	W2	203	PEB	C1A-NA	-3.85	1.32	1.37
31	xF	302	PEB	C2C-C3C	3.85	1.49	1.37
31	ZD	201	PEB	CHA-C1B	3.85	1.49	1.40
31	NF	201	PEB	CHA-C1B	3.85	1.49	1.40
33	EE	1001	CYC	C2C-C1C	-3.85	1.48	1.52
31	PB	201	PEB	CHA-C1B	3.84	1.49	1.40
31	BI	201	PEB	CHA-C1B	3.84	1.49	1.40
31	I5	202	PEB	C2C-C3C	3.84	1.49	1.37
31	d5	401	PEB	C2A-C1A	-3.84	1.48	1.52
33	ME	1001	CYC	CHB-C4A	3.84	1.49	1.40
31	K8	203	PEB	C1A-NA	-3.84	1.32	1.37
33	KE	202	CYC	C1C-NC	-3.84	1.32	1.37
31	nF	202	PEB	C2C-C3C	3.84	1.49	1.37
31	vF	201	PEB	CHA-C1B	3.84	1.49	1.40
31	CH	203	PEB	C1A-NA	-3.84	1.32	1.37
31	GI	202	PEB	C2C-C3C	3.84	1.49	1.37
31	fF	201	PEB	C2A-C1A	-3.84	1.48	1.52
31	BH	301	PEB	C1A-NA	-3.84	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	K8	201	PEB	C1A-NA	-3.84	1.32	1.37
31	Y7	501	PEB	CHA-C1B	3.84	1.49	1.40
31	CI	202	PEB	C2C-C3C	3.84	1.49	1.37
31	G8	202	PEB	C1A-NA	-3.84	1.32	1.37
31	JE	201	PEB	C2A-C1A	-3.84	1.48	1.52
31	cD	202	PEB	C1A-NA	-3.84	1.32	1.37
31	A5	301	PEB	C2C-C3C	3.84	1.49	1.37
31	TI	202	PEB	C2C-C3C	3.84	1.49	1.37
31	VE	202	PEB	CHA-C1B	3.84	1.49	1.40
31	X8	203	PEB	CHA-C1B	3.84	1.49	1.40
31	UE	203	PEB	C1A-NA	-3.84	1.32	1.37
31	UD	203	PEB	C1A-NA	-3.84	1.32	1.37
31	N8	201	PEB	CHA-C1B	3.83	1.49	1.40
31	dE	203	PEB	CHA-C1B	3.83	1.49	1.40
31	GH	201	PEB	C2A-C1A	-3.83	1.48	1.52
31	BI	202	PEB	C1A-NA	-3.83	1.32	1.37
31	C4	201	PEB	CHA-C1B	3.83	1.49	1.40
31	GF	203	PEB	C2A-C1A	-3.83	1.48	1.52
31	FH	201	PEB	C1A-NA	-3.83	1.32	1.37
31	XK	203	PEB	CHA-C1B	3.83	1.49	1.40
31	J8	202	PEB	CHA-C1B	3.83	1.49	1.40
31	CJ	201	PEB	C1A-NA	-3.83	1.32	1.37
31	d8	202	PEB	C2A-C1A	-3.83	1.48	1.52
31	UI	204	PEB	C2C-C3C	3.83	1.49	1.37
31	UI	201	PEB	C1A-NA	-3.83	1.32	1.37
31	F4	202	PEB	C1A-NA	-3.83	1.32	1.37
31	ZE	203	PEB	C2A-C1A	-3.83	1.48	1.52
31	I8	203	PEB	C2A-C1A	-3.83	1.48	1.52
31	XI	202	PEB	C2C-C3C	3.83	1.49	1.37
31	JI	201	PEB	C1A-NA	-3.83	1.32	1.37
31	v8	202	PEB	C1A-NA	-3.83	1.32	1.37
31	ZD	203	PEB	C1A-NA	-3.83	1.32	1.37
31	QE	201	PEB	C1A-NA	-3.83	1.32	1.37
31	I7	202	PEB	CHA-C1B	3.83	1.49	1.40
31	JH	201	PEB	C1A-NA	-3.83	1.32	1.37
31	aB	201	PEB	C1A-NA	-3.83	1.32	1.37
33	HB	1001	CYC	CHB-C4A	3.83	1.49	1.40
31	X8	203	PEB	C2C-C3C	3.83	1.49	1.37
31	Y9	202	PEB	C1A-NA	-3.83	1.32	1.37
31	T2	201	PEB	CHA-C1B	3.83	1.49	1.40
31	mE	201	PEB	CHA-C1B	3.83	1.49	1.40
31	A5	304	PEB	CHA-C1B	3.83	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	F8	201	PEB	CHA-C1B	3.83	1.49	1.40
31	L4	202	PEB	C1A-NA	-3.83	1.32	1.37
31	M4	201	PEB	C1A-NA	-3.83	1.32	1.37
33	C6	1001	CYC	C1C-NC	-3.83	1.32	1.37
31	YC	201	PEB	CHA-C1B	3.82	1.49	1.40
31	BG	202	PEB	C3C-C4C	3.82	1.48	1.42
31	H4	201	PEB	C1A-NA	-3.82	1.32	1.37
31	J7	202	PEB	C1A-NA	-3.82	1.32	1.37
31	T8	201	PEB	CHA-C1B	3.82	1.49	1.40
31	R2	202	PEB	CHA-C1B	3.82	1.49	1.40
31	HF	201	PEB	C1A-NA	-3.82	1.32	1.37
31	K5	202	PEB	CHA-C1B	3.82	1.49	1.40
31	fA	301	PEB	CHA-C1B	3.82	1.49	1.40
31	YI	201	PEB	C1A-NA	-3.82	1.32	1.37
31	T8	201	PEB	C2A-C1A	-3.82	1.48	1.52
31	TD	201	PEB	CHA-C1B	3.82	1.49	1.40
32	QH	202	PUB	C3B-C2B	3.82	1.49	1.37
31	iF	202	PEB	C1A-NA	-3.82	1.32	1.37
32	NJ	201	PUB	C3B-C2B	3.82	1.49	1.37
32	N5	201	PUB	C3B-C2B	3.82	1.49	1.37
31	NA	201	PEB	CHA-C1B	3.82	1.49	1.40
31	RD	202	PEB	CHA-C1B	3.82	1.49	1.40
31	YE	202	PEB	C2C-C3C	3.82	1.49	1.37
31	H5	202	PEB	C1A-NA	-3.82	1.32	1.37
31	ZD	203	PEB	C2A-C1A	-3.82	1.48	1.52
31	G8	203	PEB	C2A-C1A	-3.82	1.48	1.52
31	XK	201	PEB	C1A-NA	-3.82	1.32	1.37
31	cE	201	PEB	CHA-C1B	3.82	1.49	1.40
31	aA	201	PEB	C1A-NA	-3.82	1.32	1.37
31	Q6	201	PEB	C3B-C2B	3.82	1.44	1.36
31	PF	202	PEB	C1A-NA	-3.82	1.32	1.37
31	HI	202	PEB	C1A-NA	-3.82	1.32	1.37
31	aF	202	PEB	C1A-NA	-3.82	1.32	1.37
31	e1	301	PEB	CHA-C1B	3.82	1.49	1.40
33	K6	1001	CYC	CHB-C4A	3.82	1.49	1.40
31	G7	201	PEB	CHC-C4C	3.82	1.59	1.50
31	VA	201	PEB	CHA-C1B	3.82	1.49	1.40
31	ZH	201	PEB	C2A-C1A	-3.82	1.48	1.52
31	KA	301	PEB	C1A-NA	-3.82	1.32	1.37
31	E5	201	PEB	C1A-NA	-3.82	1.32	1.37
31	AJ	304	PEB	CHA-C1B	3.82	1.49	1.40
31	m6	202	PEB	C1A-NA	-3.82	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	mB	202	PEB	C1A-NA	-3.82	1.32	1.37
31	kD	202	PEB	CHA-C1B	3.82	1.49	1.40
31	eC	202	PEB	CHA-C1B	3.82	1.49	1.40
33	NC	1001	CYC	C1C-NC	-3.82	1.32	1.37
31	A7	201	PEB	C2A-C1A	-3.81	1.48	1.52
31	ZH	201	PEB	CHA-C1B	3.81	1.49	1.40
31	KJ	202	PEB	CHA-C1B	3.81	1.49	1.40
31	n8	201	PEB	CHA-C1B	3.81	1.49	1.40
31	T6	202	PEB	C1A-NA	-3.81	1.32	1.37
31	X1	203	PEB	CHA-C1B	3.81	1.49	1.40
31	G5	201	PEB	CHA-C1B	3.81	1.49	1.40
31	IJ	202	PEB	C2C-C3C	3.81	1.49	1.37
31	YI	202	PEB	C1A-NA	-3.81	1.32	1.37
31	a6	201	PEB	C1A-NA	-3.81	1.32	1.37
31	W5	202	PEB	CHA-C1B	3.81	1.49	1.40
31	lC	201	PEB	CHA-C1B	3.81	1.49	1.40
31	LF	202	PEB	C1A-NA	-3.81	1.32	1.37
31	mF	202	PEB	CHA-C1B	3.81	1.49	1.40
31	YK	301	PEB	C2C-C3C	3.81	1.49	1.37
31	H1	203	PEB	C1A-NA	-3.81	1.32	1.37
31	HA	202	PEB	C1A-NA	-3.81	1.32	1.37
31	NK	203	PEB	C1A-NA	-3.81	1.32	1.37
33	I6	1001	CYC	CHB-C4A	3.81	1.49	1.40
31	x8	302	PEB	C2C-C3C	3.81	1.49	1.37
31	Y1	302	PEB	CHA-C1B	3.81	1.49	1.40
31	QA	204	PEB	C1A-NA	-3.81	1.32	1.37
31	SD	202	PEB	C1A-NA	-3.81	1.32	1.37
31	L8	202	PEB	C1A-NA	-3.81	1.32	1.37
31	CH	201	PEB	C1A-NA	-3.81	1.32	1.37
31	eD	201	PEB	C1A-NA	-3.81	1.32	1.37
31	WC	202	PEB	C2C-C3C	3.81	1.49	1.37
31	J1	201	PEB	CHA-C1B	3.81	1.49	1.40
31	v8	202	PEB	CHA-C1B	3.81	1.49	1.40
31	jD	202	PEB	CHA-C1B	3.81	1.49	1.40
31	LH	201	PEB	C1A-NA	-3.80	1.32	1.37
31	JF	202	PEB	CHA-C1B	3.80	1.49	1.40
31	c6	203	PEB	CHA-C1B	3.80	1.49	1.40
31	NA	201	PEB	C2A-C1A	-3.80	1.48	1.52
31	L8	202	PEB	C2A-C1A	-3.80	1.48	1.52
31	L6	1002	PEB	C3C-C4C	3.80	1.48	1.42
31	Z8	202	PEB	C2C-C3C	3.80	1.48	1.37
31	h8	202	PEB	CHA-C1B	3.80	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	kE	202	PEB	CHA-C1B	3.80	1.49	1.40
31	e6	203	PEB	CHA-C1B	3.80	1.49	1.40
31	VD	202	PEB	CHA-C1B	3.80	1.49	1.40
31	XA	201	PEB	C1A-NA	-3.80	1.32	1.37
31	G5	201	PEB	C1A-NA	-3.80	1.32	1.37
31	Y9	201	PEB	C1A-NA	-3.80	1.32	1.37
31	eA	201	PEB	CHA-C1B	3.80	1.49	1.40
33	MD	1001	CYC	CHB-C4A	3.80	1.49	1.40
31	RB	203	PEB	CHA-C1B	3.80	1.49	1.40
31	u8	202	PEB	C2C-C3C	3.80	1.48	1.37
31	R6	201	PEB	CHA-C1B	3.80	1.49	1.40
33	H6	1001	CYC	CHB-C4A	3.80	1.49	1.40
31	JA	201	PEB	C1B-C2B	3.80	1.54	1.45
31	GH	203	PEB	C1A-NA	-3.80	1.32	1.37
31	VB	201	PEB	CHA-C1B	3.80	1.49	1.40
31	S9	203	PEB	CHA-C1B	3.80	1.49	1.40
31	gA	201	PEB	CHA-C1B	3.80	1.49	1.40
31	WE	203	PEB	C1A-NA	-3.80	1.32	1.37
31	FK	203	PEB	C1A-NA	-3.80	1.32	1.37
31	iC	201	PEB	C1A-NA	-3.80	1.32	1.37
31	W2	202	PEB	CHA-C1B	3.80	1.49	1.40
33	KB	1001	CYC	CHB-C4A	3.80	1.49	1.40
31	UH	203	PEB	C3C-C4C	3.80	1.48	1.42
31	ZA	201	PEB	C1A-NA	-3.80	1.32	1.37
31	WG	203	PEB	C1A-NA	-3.80	1.32	1.37
31	DH	201	PEB	C1A-NA	-3.80	1.32	1.37
31	Y7	504	PEB	C1A-NA	-3.80	1.32	1.37
31	iH	202	PEB	C1A-NA	-3.80	1.32	1.37
33	DC	1003	CYC	C1C-NC	-3.80	1.32	1.37
31	mB	203	PEB	CHA-C1B	3.80	1.49	1.40
31	RB	201	PEB	CHA-C1B	3.80	1.49	1.40
31	QB	201	PEB	C3B-C2B	3.79	1.44	1.36
31	WJ	202	PEB	CHA-C1B	3.79	1.49	1.40
31	k8	202	PEB	CHA-C1B	3.79	1.49	1.40
31	TD	201	PEB	C2A-C1A	-3.79	1.48	1.52
31	YF	203	PEB	C2A-C1A	-3.79	1.48	1.52
31	MJ	201	PEB	CHA-C1B	3.79	1.49	1.40
31	lF	202	PEB	CHA-C1B	3.79	1.49	1.40
31	jH	201	PEB	C1A-NA	-3.79	1.32	1.37
31	mD	201	PEB	CHA-C1B	3.79	1.49	1.40
33	LC	1003	CYC	CHB-C4A	3.79	1.49	1.40
31	HK	201	PEB	CHA-C1B	3.79	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BJ	201	PEB	C1A-NA	-3.79	1.32	1.37
31	JG	201	PEB	CHA-C1B	3.79	1.49	1.40
31	iE	202	PEB	CHA-C1B	3.79	1.49	1.40
33	EB	1001	CYC	CHB-C4A	3.79	1.49	1.40
31	FH	202	PEB	C2A-C1A	-3.79	1.48	1.52
31	GA	201	PEB	CHA-C1B	3.79	1.49	1.40
31	l6	202	PEB	CHA-C1B	3.79	1.49	1.40
31	T7	201	PEB	C1A-NA	-3.79	1.32	1.37
31	R8	202	PEB	C1A-NA	-3.79	1.32	1.37
31	F7	201	PEB	CHA-C1B	3.79	1.49	1.40
33	NC	1001	CYC	C2C-C1C	-3.79	1.48	1.52
31	TB	202	PEB	C1A-NA	-3.79	1.32	1.37
31	s8	203	PEB	C1A-NA	-3.79	1.32	1.37
31	DA	201	PEB	CHA-C1B	3.79	1.49	1.40
31	FH	201	PEB	CHA-C1B	3.79	1.49	1.40
31	KA	302	PEB	C1A-NA	-3.79	1.32	1.37
31	XH	201	PEB	C1A-NA	-3.79	1.32	1.37
31	R6	203	PEB	CHA-C1B	3.79	1.49	1.40
33	EB	1001	CYC	C1C-NC	-3.79	1.32	1.37
31	gA	202	PEB	CHA-C1B	3.79	1.49	1.40
31	XF	203	PEB	CHA-C1B	3.79	1.49	1.40
31	X5	203	PEB	CHA-C1B	3.79	1.49	1.40
31	UA	302	PEB	OD-C4D	3.79	1.30	1.23
31	WI	201	PEB	CHA-C1B	3.79	1.49	1.40
31	TA	201	PEB	C1B-C2B	3.79	1.54	1.45
33	IE	1001	CYC	CHB-C4A	3.79	1.49	1.40
31	cD	201	PEB	CHA-C1B	3.79	1.49	1.40
33	M6	1001	CYC	C2C-C1C	-3.78	1.48	1.52
31	m8	202	PEB	CHA-C1B	3.78	1.49	1.40
31	Y7	502	PEB	CHA-C1B	3.78	1.49	1.40
31	A2	302	PEB	CHA-C1B	3.78	1.49	1.40
32	A4	303	PUB	OD-C4D	3.78	1.30	1.23
31	VD	202	PEB	C2C-C3C	3.78	1.48	1.37
31	YH	201	PEB	C1A-NA	-3.78	1.32	1.37
31	C4	203	PEB	C1A-NA	-3.78	1.32	1.37
31	DJ	201	PEB	C1A-NA	-3.78	1.32	1.37
31	F1	203	PEB	C1A-NA	-3.78	1.32	1.37
33	G6	1001	CYC	CHB-C4A	3.78	1.49	1.40
31	G8	203	PEB	C1A-NA	-3.78	1.32	1.37
31	cA	403	PEB	CHA-C1B	3.78	1.49	1.40
31	bB	201	PEB	C1A-NA	-3.78	1.32	1.37
31	D9	203	PEB	CHA-C1B	3.78	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	J9	203	PEB	CHA-C1B	3.78	1.49	1.40
31	L9	202	PEB	C1A-NA	-3.78	1.32	1.37
31	B5	203	PEB	C1A-NA	-3.78	1.32	1.37
31	GF	202	PEB	C4A-NA	-3.78	1.29	1.37
31	MI	304	PEB	CHA-C1B	3.78	1.49	1.40
33	IB	1001	CYC	CHB-C4A	3.78	1.49	1.40
31	W2	202	PEB	C2C-C3C	3.78	1.48	1.37
31	N8	202	PEB	C1A-NA	-3.78	1.32	1.37
31	v8	201	PEB	CHA-C1B	3.78	1.49	1.40
31	M5	201	PEB	CHA-C1B	3.78	1.49	1.40
31	QH	201	PEB	C1A-NA	-3.77	1.32	1.37
31	m6	203	PEB	CHA-C1B	3.77	1.49	1.40
31	S9	202	PEB	C1A-NA	-3.77	1.32	1.37
31	YK	302	PEB	CHA-C1B	3.77	1.49	1.40
31	U2	201	PEB	CHA-C1B	3.77	1.49	1.40
32	Q4	202	PUB	C3B-C2B	3.77	1.48	1.37
31	EA	501	PEB	C1A-NA	-3.77	1.32	1.37
31	AC	301	PEB	CHA-C1B	3.77	1.49	1.40
31	b7	503	PEB	C1A-NA	-3.77	1.32	1.37
31	ZI	304	PEB	CHA-C1B	3.77	1.49	1.40
31	WC	203	PEB	C1A-NA	-3.77	1.32	1.37
31	RD	202	PEB	C1A-NA	-3.77	1.32	1.37
31	B5	202	PEB	C1A-NA	-3.77	1.32	1.37
31	eE	201	PEB	C1A-NA	-3.77	1.32	1.37
31	DC	1002	PEB	CHA-C1B	3.77	1.49	1.40
31	OG	203	PEB	CHA-C1B	3.77	1.49	1.40
31	N7	201	PEB	C1A-NA	-3.77	1.32	1.37
31	V6	201	PEB	CHA-C1B	3.77	1.49	1.40
31	SA	202	PEB	C1A-NA	-3.77	1.32	1.37
31	RE	202	PEB	C1A-NA	-3.77	1.32	1.37
31	VJ	202	PEB	C1A-NA	-3.77	1.32	1.37
31	M4	203	PEB	C3C-C4C	3.77	1.47	1.42
31	hF	202	PEB	CHA-C1B	3.77	1.49	1.40
31	J4	201	PEB	C1A-NA	-3.77	1.32	1.37
33	DC	1001	CYC	CHB-C4A	3.77	1.49	1.40
31	H9	201	PEB	C3C-C4C	3.77	1.47	1.42
31	E7	201	PEB	CHA-C1B	3.77	1.49	1.40
31	b7	502	PEB	CHA-C1B	3.77	1.49	1.40
31	cB	203	PEB	CHA-C1B	3.77	1.49	1.40
31	FG	201	PEB	C1A-NA	-3.77	1.32	1.37
31	cE	202	PEB	C1A-NA	-3.77	1.32	1.37
31	cH	201	PEB	C1A-NA	-3.77	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	gH	201	PEB	CHA-C1B	3.77	1.49	1.40
31	Y1	301	PEB	C2C-C3C	3.77	1.48	1.37
31	CH	201	PEB	C2A-C1A	-3.77	1.48	1.52
31	BJ	202	PEB	C1A-NA	-3.77	1.32	1.37
31	RE	202	PEB	CHA-C1B	3.76	1.49	1.40
31	WI	201	PEB	C1A-NA	-3.76	1.32	1.37
33	FD	202	CYC	C1C-NC	-3.76	1.32	1.37
31	F8	202	PEB	C2C-C3C	3.76	1.48	1.37
31	Z6	201	PEB	C3B-C2B	3.76	1.44	1.36
32	AC	303	PUB	C3B-C2B	3.76	1.48	1.37
31	U4	202	PEB	C2A-C1A	-3.76	1.48	1.52
31	F5	201	PEB	C2A-C1A	-3.76	1.48	1.52
31	mC	202	PEB	C2C-C3C	3.76	1.48	1.37
31	GJ	201	PEB	CHA-C1B	3.76	1.49	1.40
31	nF	201	PEB	CHA-C1B	3.76	1.49	1.40
31	TD	201	PEB	C1A-NA	-3.76	1.32	1.37
31	X4	202	PEB	C1A-NA	-3.76	1.32	1.37
31	BG	203	PEB	CHA-C1B	3.76	1.49	1.40
31	Y4	202	PEB	C2A-C1A	-3.76	1.48	1.52
33	GB	1001	CYC	CHB-C4A	3.76	1.49	1.40
31	SF	203	PEB	CHA-C1B	3.76	1.49	1.40
31	PH	201	PEB	CHA-C1B	3.76	1.49	1.40
31	iD	202	PEB	CHA-C1B	3.76	1.49	1.40
31	L1	201	PEB	C1A-NA	-3.76	1.32	1.37
31	B8	201	PEB	CHA-C1B	3.76	1.49	1.40
31	VE	202	PEB	C2C-C3C	3.76	1.48	1.37
31	AC	302	PEB	CHA-C1B	3.76	1.49	1.40
31	fH	203	PEB	C1A-NA	-3.76	1.32	1.37
31	YD	202	PEB	C2C-C3C	3.76	1.48	1.37
31	QE	203	PEB	CHA-C1B	3.76	1.49	1.40
31	JK	201	PEB	CHA-C1B	3.76	1.49	1.40
31	t8	201	PEB	CHA-C1B	3.76	1.49	1.40
31	ZD	201	PEB	C1A-NA	-3.76	1.32	1.37
31	SE	202	PEB	C1A-NA	-3.76	1.32	1.37
31	C7	203	PEB	CHA-C1B	3.76	1.49	1.40
31	Q8	201	PEB	C3B-C2B	3.76	1.44	1.36
31	O9	203	PEB	C1A-NA	-3.76	1.32	1.37
31	YI	201	PEB	C2C-C3C	3.76	1.48	1.37
31	X1	201	PEB	C1A-NA	-3.76	1.32	1.37
31	X7	201	PEB	C1A-NA	-3.76	1.32	1.37
31	XJ	203	PEB	CHA-C1B	3.75	1.49	1.40
31	B5	201	PEB	C1A-NA	-3.75	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	W4	202	PEB	C2C-C3C	3.75	1.48	1.37
31	ZI	303	PEB	CHA-C1B	3.75	1.49	1.40
31	ZF	202	PEB	C2C-C3C	3.75	1.48	1.37
31	sF	203	PEB	C1A-NA	-3.75	1.32	1.37
31	j4	202	PEB	C2C-C3C	3.75	1.48	1.37
33	DB	1001	CYC	C2C-C1C	-3.75	1.48	1.52
33	HC	1001	CYC	CHB-C4A	3.75	1.49	1.40
33	CB	1001	CYC	C1C-NC	-3.75	1.32	1.37
31	U7	202	PEB	CHA-C1B	3.75	1.49	1.40
31	SG	202	PEB	C1A-NA	-3.75	1.32	1.37
31	kF	203	PEB	CHA-C1B	3.75	1.49	1.40
31	UE	201	PEB	C1A-NA	-3.75	1.32	1.37
31	HA	202	PEB	CHA-C1B	3.75	1.49	1.40
31	UD	201	PEB	C1A-NA	-3.75	1.32	1.37
31	aA	201	PEB	CHA-C1B	3.75	1.49	1.40
31	TH	201	PEB	CHA-C1B	3.75	1.49	1.40
31	VE	201	PEB	C1A-NA	-3.75	1.32	1.37
31	ZE	201	PEB	CHA-C1B	3.75	1.49	1.40
31	AA	501	PEB	C1A-NA	-3.75	1.32	1.37
31	BJ	203	PEB	C1A-NA	-3.75	1.32	1.37
31	HK	203	PEB	C1A-NA	-3.75	1.32	1.37
31	dF	202	PEB	C1A-NA	-3.75	1.32	1.37
31	LF	201	PEB	CHA-C1B	3.75	1.49	1.40
31	UF	202	PEB	C1A-NA	-3.75	1.32	1.37
31	UB	201	PEB	C3B-C2B	3.75	1.44	1.36
31	U6	201	PEB	C3B-C2B	3.75	1.44	1.36
32	A2	303	PUB	C3B-C2B	3.75	1.48	1.37
31	PD	202	PEB	C1A-NA	-3.75	1.32	1.37
31	eH	202	PEB	C1A-NA	-3.75	1.32	1.37
31	T7	201	PEB	CHA-C1B	3.75	1.49	1.40
31	YK	303	PEB	C2C-C3C	3.75	1.48	1.37
31	fD	201	PEB	C1A-NA	-3.74	1.32	1.37
31	LI	201	PEB	CHA-C1B	3.74	1.49	1.40
31	S7	203	PEB	C2C-C3C	3.74	1.48	1.37
31	ZA	202	PEB	CHA-C1B	3.74	1.49	1.40
31	R4	202	PEB	C1A-NA	-3.74	1.32	1.37
31	e8	202	PEB	C1A-NA	-3.74	1.32	1.37
31	P5	201	PEB	CHA-C1B	3.74	1.49	1.40
31	KA	302	PEB	CHA-C1B	3.74	1.49	1.40
31	UC	202	PEB	C1A-NA	-3.74	1.32	1.37
31	CA	202	PEB	CHA-C1B	3.74	1.49	1.40
31	eB	203	PEB	CHA-C1B	3.74	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	kH	202	PEB	CHA-C1B	3.74	1.49	1.40
31	UJ	202	PEB	C1A-NA	-3.74	1.32	1.37
31	h4	203	PEB	CHA-C1B	3.74	1.49	1.40
31	FF	202	PEB	C2C-C3C	3.74	1.48	1.37
31	uF	203	PEB	C2C-C3C	3.74	1.48	1.37
31	lE	203	PEB	CHA-C1B	3.74	1.49	1.40
31	J7	201	PEB	C1A-NA	-3.74	1.32	1.37
31	mH	201	PEB	C1A-NA	-3.74	1.32	1.37
31	c6	202	PEB	CHA-C1B	3.74	1.49	1.40
31	cB	202	PEB	CHA-C1B	3.74	1.49	1.40
31	R7	201	PEB	CHA-C1B	3.74	1.49	1.40
31	BK	203	PEB	C1A-NA	-3.74	1.32	1.37
31	L5	201	PEB	C1A-NA	-3.74	1.32	1.37
31	UC	201	PEB	CHA-C1B	3.74	1.49	1.40
31	GJ	201	PEB	C1A-NA	-3.74	1.32	1.37
31	LJ	203	PEB	CHA-C1B	3.74	1.49	1.40
31	VJ	202	PEB	CHA-C1B	3.74	1.49	1.40
31	kF	202	PEB	CHA-C1B	3.74	1.49	1.40
31	lH	203	PEB	C3C-C4C	3.74	1.47	1.42
31	U4	202	PEB	CHA-C1B	3.74	1.49	1.40
31	VA	201	PEB	C1A-NA	-3.74	1.32	1.37
31	q8	202	PEB	CHA-C1B	3.74	1.49	1.40
31	I7	203	PEB	CHC-C4C	3.74	1.59	1.50
31	G8	202	PEB	C4A-NA	-3.74	1.29	1.37
31	K1	202	PEB	C2C-C3C	3.74	1.48	1.37
31	hE	202	PEB	C1A-NA	-3.74	1.32	1.37
31	iF	203	PEB	C1A-NA	-3.74	1.32	1.37
31	OA	201	PEB	CHA-C1B	3.74	1.49	1.40
31	U2	202	PEB	C1A-NA	-3.73	1.32	1.37
31	W2	202	PEB	C1A-NA	-3.73	1.32	1.37
31	OJ	201	PEB	CHA-C1B	3.73	1.49	1.40
31	AG	203	PEB	C3C-C4C	3.73	1.47	1.42
31	WH	202	PEB	C3C-C4C	3.73	1.47	1.42
31	N4	201	PEB	C1A-NA	-3.73	1.32	1.37
31	DF	202	PEB	C1A-NA	-3.73	1.32	1.37
31	iD	202	PEB	C2C-C3C	3.73	1.48	1.37
31	eH	202	PEB	CHA-C1B	3.73	1.49	1.40
31	V1	201	PEB	C1A-NA	-3.73	1.32	1.37
31	o8	202	PEB	C2C-C3C	3.73	1.48	1.37
31	DE	1002	PEB	C1A-NA	-3.73	1.32	1.37
31	N1	203	PEB	C1A-NA	-3.73	1.32	1.37
31	P2	201	PEB	C1A-NA	-3.73	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	YJ	202	PEB	C2C-C3C	3.73	1.48	1.37
31	vF	202	PEB	CHA-C1B	3.73	1.49	1.40
31	XF	203	PEB	C1A-NA	-3.73	1.32	1.37
33	I2	201	CYC	CHB-C4A	3.73	1.49	1.40
31	cA	403	PEB	C1A-NA	-3.73	1.32	1.37
33	KB	1001	CYC	C1C-NC	-3.73	1.32	1.37
31	GA	202	PEB	CHA-C1B	3.73	1.49	1.40
31	NH	201	PEB	C2A-C1A	-3.73	1.48	1.52
31	J7	201	PEB	CHA-C1B	3.73	1.49	1.40
31	PB	202	PEB	C1A-NA	-3.73	1.32	1.37
31	W7	202	PEB	C2A-C1A	-3.73	1.48	1.52
31	tF	201	PEB	CHA-C1B	3.73	1.49	1.40
31	SJ	202	PEB	C1A-NA	-3.73	1.32	1.37
31	G4	201	PEB	C1A-NA	-3.73	1.32	1.37
31	V6	201	PEB	C1A-NA	-3.73	1.32	1.37
31	Y5	202	PEB	C2C-C3C	3.73	1.48	1.37
31	MI	305	PEB	CHA-C1B	3.73	1.49	1.40
31	fH	202	PEB	C2C-C3C	3.73	1.48	1.37
31	Q4	203	PEB	C1A-NA	-3.73	1.32	1.37
31	Z9	302	PEB	C1A-NA	-3.73	1.32	1.37
31	SH	203	PEB	C1A-NA	-3.73	1.32	1.37
33	E6	1001	CYC	C1C-NC	-3.73	1.32	1.37
31	d5	401	PEB	C2C-C3C	3.73	1.48	1.37
31	NH	202	PEB	C2A-C1A	-3.73	1.48	1.52
31	I4	201	PEB	C1A-NA	-3.72	1.32	1.37
31	j4	201	PEB	C2C-C3C	3.72	1.48	1.37
33	LD	1001	CYC	CHB-C4A	3.72	1.49	1.40
31	P5	202	PEB	C2A-C1A	-3.72	1.48	1.52
31	dJ	401	PEB	CHA-C1B	3.72	1.49	1.40
31	e2	201	PEB	CHA-C1B	3.72	1.49	1.40
31	V7	202	PEB	CHA-C1B	3.72	1.49	1.40
31	F9	203	PEB	CHA-C1B	3.72	1.49	1.40
31	GK	201	PEB	C1A-NA	-3.72	1.32	1.37
31	P6	202	PEB	C1A-NA	-3.72	1.32	1.37
31	kD	201	PEB	C2C-C3C	3.72	1.48	1.37
33	KB	1001	CYC	C2C-C1C	-3.72	1.48	1.52
31	H4	202	PEB	C1A-NA	-3.72	1.32	1.37
31	xF	303	PEB	C2C-C3C	3.72	1.48	1.37
31	dJ	401	PEB	C2A-C1A	-3.72	1.48	1.52
33	D2	1001	CYC	C2C-C1C	-3.72	1.48	1.52
31	H1	201	PEB	CHA-C1B	3.72	1.49	1.40
31	AC	305	PEB	CHA-C1B	3.72	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	OD	203	PEB	C1A-NA	-3.72	1.32	1.37
31	X1	201	PEB	C2C-C3C	3.72	1.48	1.37
31	TH	201	PEB	C1A-NA	-3.72	1.32	1.37
31	B7	202	PEB	C1A-NA	-3.72	1.32	1.37
31	U8	202	PEB	C1A-NA	-3.72	1.32	1.37
31	f2	202	PEB	C2C-C3C	3.72	1.48	1.37
31	gH	202	PEB	CHA-C1B	3.72	1.49	1.40
31	KF	203	PEB	C1A-NA	-3.72	1.32	1.37
31	ZF	201	PEB	C1A-NA	-3.72	1.32	1.37
31	WJ	201	PEB	C1A-NA	-3.72	1.32	1.37
31	N2	1002	PEB	C1A-NA	-3.72	1.32	1.37
31	mD	203	PEB	C2C-C3C	3.72	1.48	1.37
31	mE	203	PEB	C2C-C3C	3.72	1.48	1.37
31	YB	202	PEB	C1A-NA	-3.72	1.32	1.37
31	bC	202	PEB	C2C-C3C	3.72	1.48	1.37
31	iD	201	PEB	CHA-C1B	3.72	1.49	1.40
31	P8	202	PEB	C1A-NA	-3.72	1.32	1.37
33	EC	1001	CYC	CHB-C4A	3.72	1.49	1.40
31	bE	201	PEB	C2A-C1A	-3.72	1.48	1.52
31	QC	202	PEB	C1A-NA	-3.71	1.32	1.37
31	M1	201	PEB	C1A-NA	-3.71	1.32	1.37
31	M9	302	PEB	C1A-NA	-3.71	1.32	1.37
31	RH	202	PEB	C1A-NA	-3.71	1.32	1.37
31	a8	201	PEB	C1A-NA	-3.71	1.32	1.37
31	IH	203	PEB	CHA-C1B	3.71	1.49	1.40
31	Y7	503	PEB	CHA-C1B	3.71	1.49	1.40
31	t8	203	PEB	CHA-C1B	3.71	1.49	1.40
31	eC	201	PEB	CHA-C1B	3.71	1.49	1.40
31	Y1	303	PEB	C2C-C3C	3.71	1.48	1.37
33	K6	1001	CYC	C2C-C1C	-3.71	1.48	1.52
31	hD	202	PEB	C1A-NA	-3.71	1.32	1.37
31	U4	203	PEB	C3C-C4C	3.71	1.47	1.42
33	DB	1001	CYC	CHB-C4A	3.71	1.49	1.40
31	aF	202	PEB	CHA-C1B	3.71	1.49	1.40
31	WA	402	PEB	C1A-NA	-3.71	1.32	1.37
31	G7	203	PEB	C2C-C3C	3.71	1.48	1.37
31	KK	202	PEB	C2C-C3C	3.71	1.48	1.37
31	LI	201	PEB	C2C-C3C	3.71	1.48	1.37
31	XA	202	PEB	CHA-C1B	3.71	1.49	1.40
33	FB	1001	CYC	C2C-C1C	-3.71	1.48	1.52
31	aC	202	PEB	C2C-C3C	3.71	1.48	1.37
31	TC	201	PEB	CHA-C1B	3.71	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	PC	201	PEB	C1A-NA	-3.71	1.32	1.37
31	jH	203	PEB	C1A-NA	-3.71	1.32	1.37
31	PF	201	PEB	CHA-C1B	3.71	1.49	1.40
31	BF	201	PEB	CHA-C1B	3.71	1.49	1.40
31	i6	201	PEB	CHA-C1B	3.71	1.49	1.40
31	iB	201	PEB	CHA-C1B	3.71	1.49	1.40
31	k4	201	PEB	CHA-C1B	3.71	1.49	1.40
33	D2	1001	CYC	CHB-C4A	3.71	1.49	1.40
31	m2	202	PEB	C2C-C3C	3.71	1.48	1.37
31	lD	203	PEB	CHA-C1B	3.71	1.49	1.40
31	i2	201	PEB	C1A-NA	-3.71	1.32	1.37
31	d5	401	PEB	C1A-NA	-3.71	1.32	1.37
33	MD	1001	CYC	C1C-NC	-3.71	1.32	1.37
31	YJ	202	PEB	CHA-C1B	3.71	1.49	1.40
31	B4	301	PEB	C1A-NA	-3.71	1.32	1.37
31	a8	203	PEB	C1A-NA	-3.71	1.32	1.37
31	QJ	201	PEB	C2A-C1A	-3.71	1.48	1.52
31	iE	201	PEB	CHA-C1B	3.71	1.49	1.40
31	K4	201	PEB	C1A-NA	-3.71	1.32	1.37
31	Y5	202	PEB	CHA-C1B	3.71	1.49	1.40
31	XA	202	PEB	C1A-NA	-3.70	1.32	1.37
31	XK	201	PEB	C2C-C3C	3.70	1.48	1.37
31	bE	201	PEB	CHA-C1B	3.70	1.49	1.40
33	D6	1001	CYC	C2C-C1C	-3.70	1.48	1.52
31	DI	201	PEB	CHA-C1B	3.70	1.49	1.40
31	O5	201	PEB	CHA-C1B	3.70	1.49	1.40
31	J7	202	PEB	CHA-C1B	3.70	1.49	1.40
31	J9	201	PEB	CHA-C1B	3.70	1.49	1.40
31	HA	203	PEB	C1A-NA	-3.70	1.32	1.37
31	oF	203	PEB	CHA-C1B	3.70	1.49	1.40
31	CH	201	PEB	CHA-C1B	3.70	1.49	1.40
31	bD	202	PEB	CHA-C1B	3.70	1.49	1.40
31	a2	202	PEB	C2C-C3C	3.70	1.48	1.37
31	jB	202	PEB	C2C-C3C	3.70	1.48	1.37
32	M9	304	PUB	C3B-C2B	3.70	1.48	1.37
31	IA	202	PEB	C1A-NA	-3.70	1.32	1.37
31	VK	201	PEB	C1A-NA	-3.70	1.32	1.37
31	C5	201	PEB	C1A-NA	-3.70	1.32	1.37
31	x8	302	PEB	C1A-NA	-3.70	1.32	1.37
31	BF	202	PEB	CHA-C1B	3.70	1.49	1.40
31	NJ	202	PEB	CHA-C1B	3.70	1.49	1.40
31	d2	203	PEB	CHA-C1B	3.70	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	DC	1001	CYC	C2C-C1C	-3.70	1.48	1.52
31	V5	202	PEB	C2C-C3C	3.70	1.48	1.37
31	KA	301	PEB	CHA-C1B	3.70	1.49	1.40
31	P8	201	PEB	CHA-C1B	3.70	1.49	1.40
31	WG	201	PEB	CHA-C1B	3.70	1.49	1.40
31	g2	201	PEB	CHA-C1B	3.70	1.49	1.40
33	E2	1001	CYC	CHB-C4A	3.70	1.49	1.40
31	cH	201	PEB	CHA-C1B	3.70	1.49	1.40
31	YE	202	PEB	C1A-NA	-3.70	1.32	1.37
31	BG	201	PEB	C1A-NA	-3.70	1.32	1.37
31	HI	201	PEB	C1A-NA	-3.70	1.32	1.37
31	S5	202	PEB	C1A-NA	-3.70	1.32	1.37
31	GH	202	PEB	CHA-C1B	3.70	1.49	1.40
31	A2	305	PEB	CHA-C1B	3.70	1.49	1.40
31	IA	201	PEB	C1A-NA	-3.70	1.32	1.37
31	V4	202	PEB	C1A-NA	-3.70	1.32	1.37
31	S4	201	PEB	CHA-C1B	3.70	1.49	1.40
33	V3	1001	CYC	C2C-C1C	-3.70	1.48	1.52
31	L4	201	PEB	C1A-NA	-3.70	1.32	1.37
31	HA	201	PEB	CHA-C1B	3.70	1.49	1.40
31	Q8	202	PEB	CHA-C1B	3.70	1.49	1.40
31	G8	202	PEB	CHA-C1B	3.70	1.49	1.40
31	R5	202	PEB	C1A-NA	-3.70	1.32	1.37
33	x3	1001	CYC	C2C-C1C	-3.69	1.48	1.52
31	oF	202	PEB	C2C-C3C	3.69	1.48	1.37
31	dJ	401	PEB	C2C-C3C	3.69	1.48	1.37
31	FI	203	PEB	CHA-C1B	3.69	1.49	1.40
31	UH	203	PEB	CHA-C1B	3.69	1.49	1.40
31	S8	203	PEB	CHA-C1B	3.69	1.49	1.40
31	aB	201	PEB	CHA-C1B	3.69	1.49	1.40
31	gC	201	PEB	CHA-C1B	3.69	1.49	1.40
31	X8	202	PEB	CHA-C1B	3.69	1.49	1.40
31	P4	202	PEB	C1A-NA	-3.69	1.32	1.37
31	iB	202	PEB	C1A-NA	-3.69	1.32	1.37
31	kH	202	PEB	C1A-NA	-3.69	1.32	1.37
31	EG	201	PEB	C1A-NA	-3.69	1.32	1.37
31	b6	201	PEB	C1A-NA	-3.69	1.32	1.37
31	b2	202	PEB	C2C-C3C	3.69	1.48	1.37
31	NF	202	PEB	C1A-NA	-3.69	1.32	1.37
31	MA	201	PEB	CHA-C1B	3.69	1.49	1.40
31	Q8	203	PEB	C1A-NA	-3.69	1.32	1.37
33	ME	1001	CYC	C1C-NC	-3.69	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	Z9	304	PUB	C3B-C2B	3.69	1.48	1.37
31	P4	201	PEB	CHA-C1B	3.69	1.49	1.40
31	HJ	203	PEB	C2C-C3C	3.69	1.48	1.37
31	V4	201	PEB	CHA-C1B	3.69	1.49	1.40
31	EK	201	PEB	C1A-NA	-3.69	1.32	1.37
31	b7	502	PEB	C1A-NA	-3.69	1.32	1.37
31	d8	202	PEB	C1A-NA	-3.69	1.32	1.37
31	N8	202	PEB	C2C-C3C	3.69	1.48	1.37
31	E7	203	PEB	CHC-C4C	3.69	1.59	1.50
31	UA	302	PEB	C1A-NA	-3.69	1.32	1.37
31	Y8	201	PEB	C2C-C3C	3.69	1.48	1.37
32	KK	203	PUB	C3B-C2B	3.69	1.48	1.37
31	HH	201	PEB	CHA-C1B	3.69	1.49	1.40
31	TA	202	PEB	C1A-NA	-3.68	1.32	1.37
31	e4	202	PEB	C1A-NA	-3.68	1.32	1.37
31	fC	202	PEB	C2C-C3C	3.68	1.48	1.37
31	A1	202	PEB	C2C-C3C	3.68	1.48	1.37
31	uF	201	PEB	CHA-C1B	3.68	1.49	1.40
31	B1	201	PEB	C2C-C3C	3.68	1.48	1.37
31	DH	202	PEB	C2A-C1A	-3.68	1.48	1.52
31	VJ	202	PEB	C2C-C3C	3.68	1.48	1.37
31	L7	202	PEB	CHA-C1B	3.68	1.49	1.40
33	LE	1001	CYC	CHB-C4A	3.68	1.49	1.40
31	F7	201	PEB	C1A-NA	-3.68	1.32	1.37
31	b7	501	PEB	C1A-NA	-3.68	1.32	1.37
31	i8	202	PEB	C1A-NA	-3.68	1.32	1.37
32	xF	306	PUB	C3B-C2B	3.68	1.48	1.37
31	BK	202	PEB	CHA-C1B	3.68	1.49	1.40
31	ZE	201	PEB	C1A-NA	-3.68	1.32	1.37
31	l4	202	PEB	C1A-NA	-3.68	1.32	1.37
31	v8	201	PEB	C2C-C3C	3.68	1.48	1.37
31	N5	202	PEB	CHA-C1B	3.68	1.49	1.40
31	XJ	202	PEB	CHA-C1B	3.68	1.49	1.40
31	Z6	202	PEB	CHA-C1B	3.68	1.49	1.40
31	R7	202	PEB	C1A-NA	-3.68	1.32	1.37
31	BK	201	PEB	C2C-C3C	3.68	1.48	1.37
31	OA	201	PEB	C1A-NA	-3.68	1.32	1.37
31	DD	1002	PEB	C1A-NA	-3.68	1.32	1.37
31	RE	201	PEB	C1A-NA	-3.68	1.32	1.37
31	YH	202	PEB	CHA-C1B	3.68	1.49	1.40
31	O4	202	PEB	C3C-C4C	3.68	1.47	1.42
31	QK	202	PEB	C1A-NA	-3.68	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	DA	202	PEB	CHA-C1B	3.68	1.49	1.40
31	DA	203	PEB	CHA-C1B	3.68	1.49	1.40
31	PB	201	PEB	C1A-NA	-3.68	1.32	1.37
31	D7	202	PEB	CHA-C1B	3.68	1.49	1.40
31	LD	1002	PEB	C1A-NA	-3.68	1.32	1.37
31	O7	201	PEB	C1A-NA	-3.68	1.32	1.37
31	gB	201	PEB	CHA-C1B	3.68	1.49	1.40
31	x8	303	PEB	C2C-C3C	3.68	1.48	1.37
31	Y8	203	PEB	C2A-C1A	-3.68	1.48	1.52
31	bD	202	PEB	C2A-C1A	-3.68	1.48	1.52
31	WD	203	PEB	C1A-NA	-3.68	1.32	1.37
31	FF	202	PEB	C2A-C1A	-3.67	1.48	1.52
31	U7	201	PEB	C2A-C1A	-3.67	1.48	1.52
31	J1	201	PEB	C2C-C3C	3.67	1.48	1.37
31	H5	203	PEB	C2C-C3C	3.67	1.48	1.37
31	j6	202	PEB	C2C-C3C	3.67	1.48	1.37
31	PD	201	PEB	C1A-NA	-3.67	1.32	1.37
31	VD	201	PEB	C1A-NA	-3.67	1.32	1.37
31	gD	202	PEB	C1A-NA	-3.67	1.32	1.37
31	PJ	203	PEB	CHA-C1B	3.67	1.49	1.40
31	A2	301	PEB	CHA-C1B	3.67	1.49	1.40
31	JF	201	PEB	C2A-C1A	-3.67	1.48	1.52
31	AK	202	PEB	C2C-C3C	3.67	1.48	1.37
31	iE	202	PEB	C2C-C3C	3.67	1.48	1.37
31	B1	202	PEB	CHA-C1B	3.67	1.49	1.40
31	F5	202	PEB	CHA-C1B	3.67	1.49	1.40
31	c4	201	PEB	C1A-NA	-3.67	1.32	1.37
31	Y7	503	PEB	C1A-NA	-3.67	1.32	1.37
31	QI	201	PEB	C2C-C3C	3.67	1.48	1.37
31	MI	301	PEB	CHA-C1B	3.67	1.49	1.40
31	D8	202	PEB	CHA-C1B	3.67	1.49	1.40
31	IH	201	PEB	C1A-NA	-3.67	1.32	1.37
31	B8	202	PEB	CHA-C1B	3.67	1.49	1.40
31	AK	202	PEB	C1A-NA	-3.67	1.32	1.37
31	U4	201	PEB	C1A-NA	-3.67	1.32	1.37
31	yF	301	PEB	C1A-NA	-3.67	1.32	1.37
31	AH	302	PEB	CHA-C1B	3.67	1.49	1.40
31	YA	201	PEB	CHA-C1B	3.67	1.49	1.40
31	UA	303	PEB	C1A-NA	-3.67	1.32	1.37
31	QG	201	PEB	C1A-NA	-3.67	1.32	1.37
31	R7	201	PEB	C1A-NA	-3.67	1.32	1.37
31	L5	203	PEB	CHA-C1B	3.67	1.49	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A6	304	PEB	CHA-C1B	3.67	1.49	1.40
31	C7	203	PEB	C2C-C3C	3.67	1.48	1.37
31	FJ	201	PEB	C2A-C1A	-3.67	1.48	1.52
31	VF	202	PEB	C2C-C3C	3.67	1.48	1.37
31	WH	202	PEB	C1A-NA	-3.67	1.32	1.37
31	PJ	201	PEB	CHA-C1B	3.67	1.49	1.40
31	SG	202	PEB	CHA-C1B	3.67	1.49	1.40
31	L9	203	PEB	C1A-NA	-3.67	1.32	1.37
31	DF	202	PEB	C2C-C3C	3.67	1.48	1.37
31	AJ	304	PEB	C2C-C3C	3.67	1.48	1.37
31	x8	304	PEB	C2C-C3C	3.67	1.48	1.37
31	LE	1002	PEB	C1A-NA	-3.67	1.32	1.37
31	PE	202	PEB	C1A-NA	-3.67	1.32	1.37
31	KG	202	PEB	C1A-NA	-3.67	1.32	1.37
31	Z4	201	PEB	C1A-NA	-3.67	1.32	1.37
31	iH	201	PEB	C1A-NA	-3.67	1.32	1.37
31	PE	201	PEB	CHA-C1B	3.67	1.49	1.40
31	WH	201	PEB	CHA-C1B	3.67	1.49	1.40
31	FJ	202	PEB	CHA-C1B	3.66	1.49	1.40
32	A2	304	PUB	C3B-C2B	3.66	1.48	1.37
31	UA	301	PEB	C2A-C1A	-3.66	1.48	1.52
31	i8	201	PEB	CHA-C1B	3.66	1.49	1.40
31	YF	201	PEB	C2C-C3C	3.66	1.48	1.37
31	NC	1002	PEB	C1A-NA	-3.66	1.32	1.37
31	j2	203	PEB	C1A-NA	-3.66	1.32	1.37
32	x8	306	PUB	C3B-C2B	3.66	1.48	1.37
31	G1	201	PEB	C1A-NA	-3.66	1.32	1.37
31	V7	202	PEB	C1A-NA	-3.66	1.32	1.37
31	cC	201	PEB	C1A-NA	-3.66	1.32	1.37
31	YC	201	PEB	C2C-C3C	3.66	1.48	1.37
31	FI	201	PEB	CHA-C1B	3.66	1.49	1.40
31	T4	201	PEB	CHA-C1B	3.66	1.49	1.40
33	63	901	CYC	CHB-C4A	3.66	1.49	1.40
31	J9	202	PEB	C1A-NA	-3.66	1.32	1.37
31	OH	202	PEB	C1A-NA	-3.66	1.32	1.37
31	dC	203	PEB	CHA-C1B	3.66	1.49	1.40
31	K4	203	PEB	C2A-C1A	-3.66	1.48	1.52
31	Q2	202	PEB	C1A-NA	-3.66	1.32	1.37
31	NA	202	PEB	CHA-C1B	3.66	1.49	1.40
31	aE	202	PEB	CHA-C1B	3.66	1.49	1.40
31	NJ	203	PEB	C2C-C3C	3.66	1.48	1.37
31	Q7	202	PEB	OD-C4D	3.66	1.30	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	O7	202	PEB	CHA-C1B	3.66	1.49	1.40
31	NG	201	PEB	C1A-NA	-3.66	1.32	1.37
31	B8	202	PEB	C1A-NA	-3.66	1.32	1.37
31	A4	302	PEB	CHA-C1B	3.66	1.49	1.40
31	QA	202	PEB	C2A-C1A	-3.66	1.48	1.52
31	PD	201	PEB	CHA-C1B	3.66	1.49	1.40
31	O1	202	PEB	C1A-NA	-3.66	1.32	1.37
31	Z8	201	PEB	C1A-NA	-3.66	1.32	1.37
31	a8	202	PEB	CHA-C1B	3.66	1.49	1.40
31	k8	203	PEB	CHA-C1B	3.66	1.49	1.40
31	H8	202	PEB	C2C-C3C	3.66	1.48	1.37
31	BA	202	PEB	CHA-C1B	3.66	1.49	1.40
31	C1	201	PEB	CHA-C1B	3.66	1.49	1.40
31	X5	202	PEB	CHA-C1B	3.66	1.49	1.40
31	LA	201	PEB	CHA-C1B	3.66	1.49	1.40
31	H1	203	PEB	CHA-C1B	3.66	1.49	1.40
31	D4	202	PEB	C1A-NA	-3.66	1.32	1.37
31	iF	203	PEB	C2C-C3C	3.66	1.48	1.37
31	JK	201	PEB	C2C-C3C	3.66	1.48	1.37
31	q8	203	PEB	OD-C4D	3.66	1.30	1.23
31	OI	201	PEB	C2C-C3C	3.66	1.48	1.37
31	SI	203	PEB	CHA-C1B	3.66	1.49	1.40
31	A6	305	PEB	CHA-C1B	3.66	1.49	1.40
31	VB	201	PEB	C2A-C1A	-3.65	1.48	1.52
32	AH	303	PUB	OD-C4D	3.65	1.30	1.23
31	L5	203	PEB	C1A-NA	-3.65	1.32	1.37
31	P7	202	PEB	CHA-C1B	3.65	1.49	1.40
31	XG	201	PEB	C1A-NA	-3.65	1.32	1.37
31	C1	201	PEB	C1A-NA	-3.65	1.32	1.37
31	dJ	401	PEB	C1A-NA	-3.65	1.32	1.37
31	SD	202	PEB	CHA-C1B	3.65	1.49	1.40
31	d5	401	PEB	CHA-C1B	3.65	1.49	1.40
31	I9	202	PEB	CHA-C1B	3.65	1.49	1.40
31	OJ	202	PEB	C2C-C3C	3.65	1.48	1.37
31	N5	204	PEB	CHA-C1B	3.65	1.49	1.40
31	kD	201	PEB	CHA-C1B	3.65	1.49	1.40
31	sF	201	PEB	CHA-C1B	3.65	1.49	1.40
31	AG	201	PEB	C1A-NA	-3.65	1.32	1.37
31	G4	203	PEB	C1A-NA	-3.65	1.32	1.37
31	Y6	202	PEB	C1A-NA	-3.65	1.32	1.37
31	jC	201	PEB	C1A-NA	-3.65	1.32	1.37
33	IB	1001	CYC	C2C-C1C	-3.65	1.48	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	W1	201	PEB	C1A-NA	-3.65	1.32	1.37
31	SE	202	PEB	CHA-C1B	3.65	1.49	1.40
31	E9	202	PEB	CHA-C1B	3.65	1.49	1.40
33	FE	1001	CYC	C2C-C1C	-3.65	1.48	1.52
31	BA	201	PEB	CHA-C1B	3.65	1.49	1.40
31	LJ	201	PEB	C1A-NA	-3.65	1.32	1.37
31	JA	202	PEB	C1A-NA	-3.65	1.32	1.37
31	SF	203	PEB	C1A-NA	-3.65	1.32	1.37
31	S8	203	PEB	C1A-NA	-3.65	1.32	1.37
31	cB	201	PEB	C1A-NA	-3.65	1.32	1.37
31	iF	201	PEB	CHA-C1B	3.65	1.49	1.40
31	MJ	202	PEB	C2C-C3C	3.65	1.48	1.37
31	Y8	201	PEB	C1A-NA	-3.65	1.32	1.37
31	YD	202	PEB	C1A-NA	-3.65	1.32	1.37
31	TE	201	PEB	C2A-C1A	-3.65	1.48	1.52
31	R1	201	PEB	C2A-C1A	-3.65	1.48	1.52
31	mF	202	PEB	C2C-C3C	3.65	1.48	1.37
31	s8	201	PEB	CHA-C1B	3.65	1.49	1.40
31	gD	201	PEB	C1A-NA	-3.65	1.32	1.37
31	UI	204	PEB	CHA-C1B	3.65	1.49	1.40
31	K4	201	PEB	CHA-C1B	3.65	1.49	1.40
31	QF	203	PEB	C1A-NA	-3.65	1.32	1.37
31	W4	202	PEB	C1A-NA	-3.65	1.32	1.37
31	V5	202	PEB	C1A-NA	-3.65	1.32	1.37
31	YG	202	PEB	CHA-C1B	3.65	1.49	1.40
31	P9	202	PEB	CHA-C1B	3.65	1.49	1.40
33	D6	1001	CYC	CHB-C4A	3.65	1.49	1.40
31	A4	302	PEB	C2C-C3C	3.64	1.48	1.37
31	U7	203	PEB	CHC-C4C	3.64	1.59	1.50
31	o8	203	PEB	CHA-C1B	3.64	1.49	1.40
31	P6	202	PEB	CHA-C1B	3.64	1.49	1.40
31	V9	201	PEB	CHA-C1B	3.64	1.49	1.40
31	N5	203	PEB	C2C-C3C	3.64	1.48	1.37
31	VB	201	PEB	C1A-NA	-3.64	1.32	1.37
31	WK	201	PEB	C1A-NA	-3.64	1.32	1.37
31	m4	202	PEB	C1A-NA	-3.64	1.32	1.37
31	aB	201	PEB	C2C-C3C	3.64	1.48	1.37
31	CK	201	PEB	CHA-C1B	3.64	1.49	1.40
31	aA	201	PEB	C2A-C1A	-3.64	1.48	1.52
31	SH	201	PEB	C1A-NA	-3.64	1.32	1.37
31	lB	202	PEB	C1A-NA	-3.64	1.32	1.37
31	GF	202	PEB	CHA-C1B	3.64	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UG	202	PEB	CHA-C1B	3.64	1.48	1.40
31	g4	202	PEB	C1A-NA	-3.64	1.32	1.37
31	cB	202	PEB	C1A-NA	-3.64	1.32	1.37
31	NJ	203	PEB	CHA-C1B	3.64	1.48	1.40
31	G7	203	PEB	CHA-C1B	3.64	1.48	1.40
31	Z2	201	PEB	C2A-C1A	-3.64	1.48	1.52
31	aD	202	PEB	CHA-C1B	3.64	1.48	1.40
31	B1	203	PEB	C1A-NA	-3.64	1.32	1.37
31	l6	202	PEB	C1A-NA	-3.64	1.32	1.37
31	fH	202	PEB	C1A-NA	-3.64	1.32	1.37
31	R9	202	PEB	CHA-C1B	3.64	1.48	1.40
31	OA	201	PEB	C2A-C1A	-3.64	1.48	1.52
31	N7	202	PEB	CHA-C1B	3.64	1.48	1.40
31	D9	203	PEB	C1A-NA	-3.64	1.32	1.37
31	aH	204	PEB	C1A-NA	-3.64	1.32	1.37
31	dE	202	PEB	C2C-C3C	3.64	1.48	1.37
31	tF	201	PEB	C2C-C3C	3.64	1.48	1.37
31	K9	202	PEB	CHA-C1B	3.64	1.48	1.40
31	P6	203	PEB	CHA-C1B	3.64	1.48	1.40
31	QI	203	PEB	CHA-C1B	3.64	1.48	1.40
31	F7	202	PEB	CHA-C1B	3.64	1.48	1.40
31	N9	202	PEB	CHA-C1B	3.64	1.48	1.40
31	bD	201	PEB	CHA-C1B	3.64	1.48	1.40
31	HC	1002	PEB	CHA-C1B	3.64	1.48	1.40
31	HK	203	PEB	CHA-C1B	3.64	1.48	1.40
31	G4	201	PEB	CHA-C1B	3.64	1.48	1.40
31	m8	202	PEB	C1A-NA	-3.64	1.32	1.37
33	D2	1003	CYC	C1C-NC	-3.64	1.32	1.37
31	DB	1002	PEB	CHA-C1B	3.64	1.48	1.40
31	SG	201	PEB	CHA-C1B	3.64	1.48	1.40
31	QI	201	PEB	C4B-C3B	3.64	1.51	1.45
31	CA	201	PEB	C2A-C1A	-3.64	1.48	1.52
31	VG	201	PEB	C1A-NA	-3.64	1.32	1.37
31	O5	202	PEB	C2C-C3C	3.64	1.48	1.37
31	XJ	202	PEB	C2C-C3C	3.64	1.48	1.37
31	i8	203	PEB	C2C-C3C	3.64	1.48	1.37
31	V5	202	PEB	CHA-C1B	3.64	1.48	1.40
31	vF	201	PEB	C2C-C3C	3.64	1.48	1.37
31	H7	201	PEB	CHA-C1B	3.64	1.48	1.40
31	lF	201	PEB	C2C-C3C	3.64	1.48	1.37
31	RD	202	PEB	C2C-C3C	3.64	1.48	1.37
31	RE	202	PEB	C2C-C3C	3.64	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	JI	201	PEB	C2C-C3C	3.64	1.48	1.37
32	AC	304	PUB	C3B-C2B	3.64	1.48	1.37
31	k6	202	PEB	C1A-NA	-3.64	1.32	1.37
31	C9	202	PEB	CHA-C1B	3.64	1.48	1.40
31	HF	202	PEB	C2C-C3C	3.64	1.48	1.37
31	UK	201	PEB	C2A-C1A	-3.64	1.48	1.52
31	Y8	201	PEB	CHA-C1B	3.64	1.48	1.40
31	qF	202	PEB	CHA-C1B	3.64	1.48	1.40
31	gH	201	PEB	C2C-C3C	3.64	1.48	1.37
31	OB	202	PEB	CHA-C1B	3.64	1.48	1.40
31	RB	201	PEB	C2C-C3C	3.63	1.48	1.37
31	M5	202	PEB	C2C-C3C	3.63	1.48	1.37
31	RA	202	PEB	C1A-NA	-3.63	1.32	1.37
31	E4	203	PEB	C1A-NA	-3.63	1.32	1.37
31	Y2	201	PEB	C2C-C3C	3.63	1.48	1.37
31	ZB	202	PEB	CHA-C1B	3.63	1.48	1.40
31	A5	304	PEB	C2C-C3C	3.63	1.48	1.37
31	a6	201	PEB	CHA-C1B	3.63	1.48	1.40
31	KA	301	PEB	C2C-C3C	3.63	1.48	1.37
31	l8	202	PEB	CHA-C1B	3.63	1.48	1.40
31	A9	202	PEB	CHA-C1B	3.63	1.48	1.40
31	K9	201	PEB	CHA-C1B	3.63	1.48	1.40
31	X9	202	PEB	CHA-C1B	3.63	1.48	1.40
31	W4	203	PEB	C1A-NA	-3.63	1.32	1.37
31	S4	202	PEB	C2C-C3C	3.63	1.48	1.37
31	CF	201	PEB	CHA-C1B	3.63	1.48	1.40
31	Q1	202	PEB	C1A-NA	-3.63	1.32	1.37
31	nF	202	PEB	C1A-NA	-3.63	1.32	1.37
31	fB	202	PEB	C2C-C3C	3.63	1.48	1.37
31	bA	201	PEB	CHA-C1B	3.63	1.48	1.40
31	dE	202	PEB	CHA-C1B	3.63	1.48	1.40
31	OE	203	PEB	C1A-NA	-3.63	1.32	1.37
31	T4	201	PEB	C1A-NA	-3.63	1.32	1.37
31	b6	202	PEB	CHA-C1B	3.63	1.48	1.40
31	B7	202	PEB	CHA-C1B	3.63	1.48	1.40
31	hH	203	PEB	CHA-C1B	3.63	1.48	1.40
31	AB	304	PEB	CHA-C1B	3.63	1.48	1.40
31	JJ	202	PEB	CHA-C1B	3.63	1.48	1.40
31	RJ	202	PEB	CHA-C1B	3.63	1.48	1.40
31	Q7	202	PEB	CHA-C1B	3.63	1.48	1.40
31	D8	202	PEB	C2C-C3C	3.63	1.48	1.37
31	IK	201	PEB	C1A-NA	-3.63	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	JC	1002	PEB	CHA-C1B	3.63	1.48	1.40
31	P5	203	PEB	CHA-C1B	3.63	1.48	1.40
31	aA	202	PEB	CHA-C1B	3.63	1.48	1.40
31	aH	202	PEB	CHA-C1B	3.63	1.48	1.40
31	BA	202	PEB	C1A-NA	-3.63	1.32	1.37
33	F6	1001	CYC	C2C-C1C	-3.63	1.48	1.52
31	FG	201	PEB	CHA-C1B	3.63	1.48	1.40
31	KJ	201	PEB	CHA-C1B	3.63	1.48	1.40
31	QF	202	PEB	CHA-C1B	3.63	1.48	1.40
31	GG	202	PEB	C1A-NA	-3.63	1.32	1.37
32	K1	203	PUB	C3B-C2B	3.63	1.48	1.37
31	G9	202	PEB	CHA-C1B	3.63	1.48	1.40
31	S9	201	PEB	CHA-C1B	3.63	1.48	1.40
31	D7	202	PEB	C1A-NA	-3.63	1.32	1.37
31	FG	202	PEB	CHA-C1B	3.63	1.48	1.40
31	j4	201	PEB	CHA-C1B	3.63	1.48	1.40
31	RA	202	PEB	CHA-C1B	3.62	1.48	1.40
31	N5	203	PEB	CHA-C1B	3.62	1.48	1.40
31	S7	202	PEB	CHA-C1B	3.62	1.48	1.40
31	dE	203	PEB	C1A-NA	-3.62	1.32	1.37
31	WF	202	PEB	C2C-C3C	3.62	1.48	1.37
31	WI	203	PEB	CHA-C1B	3.62	1.48	1.40
31	OH	201	PEB	C2A-C1A	-3.62	1.48	1.52
31	F8	202	PEB	CHA-C1B	3.62	1.48	1.40
31	QI	202	PEB	C1A-NA	-3.62	1.32	1.37
31	AB	305	PEB	CHA-C1B	3.62	1.48	1.40
31	a4	202	PEB	CHA-C1B	3.62	1.48	1.40
31	eE	201	PEB	CHA-C1B	3.62	1.48	1.40
31	YJ	201	PEB	C2C-C3C	3.62	1.48	1.37
31	g4	202	PEB	C2C-C3C	3.62	1.48	1.37
31	a6	201	PEB	C2C-C3C	3.62	1.48	1.37
31	J7	201	PEB	C2C-C3C	3.62	1.48	1.37
31	TG	202	PEB	C1A-NA	-3.62	1.32	1.37
31	MK	201	PEB	C1A-NA	-3.62	1.32	1.37
31	d4	203	PEB	C2C-C3C	3.62	1.48	1.37
31	t8	201	PEB	C2C-C3C	3.62	1.48	1.37
31	c2	201	PEB	C1A-NA	-3.62	1.32	1.37
31	lH	201	PEB	C1A-NA	-3.62	1.32	1.37
31	P2	201	PEB	CHA-C1B	3.62	1.48	1.40
31	R7	202	PEB	CHA-C1B	3.62	1.48	1.40
31	V9	202	PEB	CHA-C1B	3.62	1.48	1.40
31	dD	202	PEB	CHA-C1B	3.62	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	V8	202	PEB	C2C-C3C	3.62	1.48	1.37
31	p8	201	PEB	C2C-C3C	3.62	1.48	1.37
31	DF	202	PEB	CHA-C1B	3.62	1.48	1.40
31	O6	202	PEB	CHA-C1B	3.62	1.48	1.40
31	dA	202	PEB	CHA-C1B	3.62	1.48	1.40
31	L7	202	PEB	C1A-NA	-3.62	1.32	1.37
31	f6	202	PEB	C2C-C3C	3.62	1.48	1.37
31	NG	201	PEB	CHA-C1B	3.62	1.48	1.40
31	eF	203	PEB	OD-C4D	3.62	1.30	1.23
31	l4	202	PEB	C2A-C1A	-3.62	1.48	1.52
31	VA	202	PEB	CHA-C1B	3.62	1.48	1.40
31	W1	202	PEB	CHA-C1B	3.62	1.48	1.40
31	jC	203	PEB	C1A-NA	-3.62	1.32	1.37
31	PJ	203	PEB	C2C-C3C	3.62	1.48	1.37
31	k8	201	PEB	C1A-NA	-3.62	1.32	1.37
31	gH	202	PEB	C1A-NA	-3.62	1.32	1.37
31	dB	202	PEB	C2C-C3C	3.62	1.48	1.37
31	DK	203	PEB	C1A-NA	-3.62	1.32	1.37
31	vF	202	PEB	C1A-NA	-3.62	1.32	1.37
31	V7	201	PEB	C2C-C3C	3.62	1.48	1.37
31	m8	202	PEB	C2C-C3C	3.61	1.48	1.37
31	C8	201	PEB	CHA-C1B	3.61	1.48	1.40
31	OC	201	PEB	C1A-NA	-3.61	1.32	1.37
31	IG	201	PEB	C1A-NA	-3.61	1.32	1.37
33	K6	1001	CYC	C1C-NC	-3.61	1.32	1.37
31	i8	202	PEB	CHA-C1B	3.61	1.48	1.40
31	R9	201	PEB	CHA-C1B	3.61	1.48	1.40
31	P5	203	PEB	C2C-C3C	3.61	1.48	1.37
31	RG	203	PEB	C3C-C4C	3.61	1.47	1.42
31	QA	204	PEB	CHA-C1B	3.61	1.48	1.40
31	UC	202	PEB	C2C-C3C	3.61	1.48	1.37
31	xF	304	PEB	C2C-C3C	3.61	1.48	1.37
31	QI	203	PEB	C2C-C3C	3.61	1.48	1.37
31	YI	201	PEB	CHA-C1B	3.61	1.48	1.40
31	V7	201	PEB	CHA-C1B	3.61	1.48	1.40
31	UI	203	PEB	C2C-C3C	3.61	1.48	1.37
31	KD	201	PEB	C1A-NA	-3.61	1.32	1.37
31	N2	1002	PEB	CHA-C1B	3.61	1.48	1.40
31	C9	201	PEB	CHA-C1B	3.61	1.48	1.40
31	JF	202	PEB	C1A-NA	-3.61	1.32	1.37
31	RG	201	PEB	C1A-NA	-3.61	1.32	1.37
31	U7	202	PEB	C2C-C3C	3.61	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	NC	1002	PEB	CHA-C1B	3.61	1.48	1.40
31	OJ	202	PEB	C1A-NA	-3.61	1.32	1.37
31	cA	402	PEB	CHA-C1B	3.61	1.48	1.40
31	BI	201	PEB	C2C-C3C	3.61	1.48	1.37
31	TB	201	PEB	CHA-C1B	3.61	1.48	1.40
31	KD	201	PEB	CHA-C1B	3.61	1.48	1.40
31	T6	201	PEB	CHA-C1B	3.61	1.48	1.40
31	UJ	201	PEB	C1A-NA	-3.61	1.32	1.37
31	d4	202	PEB	C1A-NA	-3.61	1.32	1.37
31	P5	201	PEB	C1A-NA	-3.61	1.32	1.37
31	S6	202	PEB	C1A-NA	-3.61	1.32	1.37
31	q8	202	PEB	C1A-NA	-3.61	1.32	1.37
31	IH	202	PEB	CHA-C1B	3.61	1.48	1.40
31	UA	303	PEB	CHA-C1B	3.61	1.48	1.40
31	UE	202	PEB	CHA-C1B	3.61	1.48	1.40
31	FF	202	PEB	CHA-C1B	3.61	1.48	1.40
33	FD	201	CYC	CHB-C4A	3.61	1.48	1.40
31	dD	202	PEB	C2C-C3C	3.61	1.48	1.37
31	EG	201	PEB	CHA-C1B	3.61	1.48	1.40
31	FJ	201	PEB	CHA-C1B	3.61	1.48	1.40
31	H2	1002	PEB	CHA-C1B	3.61	1.48	1.40
31	I5	202	PEB	C2A-C1A	-3.61	1.48	1.52
31	U6	202	PEB	CHA-C1B	3.61	1.48	1.40
31	FF	201	PEB	C2C-C3C	3.61	1.48	1.37
31	N9	201	PEB	CHA-C1B	3.61	1.48	1.40
31	LK	201	PEB	C1A-NA	-3.61	1.32	1.37
31	wF	301	PEB	C1A-NA	-3.61	1.32	1.37
31	G9	201	PEB	CHA-C1B	3.61	1.48	1.40
31	NH	201	PEB	CHA-C1B	3.61	1.48	1.40
31	NF	202	PEB	C2C-C3C	3.61	1.48	1.37
31	LA	201	PEB	C1A-NA	-3.61	1.32	1.37
31	CK	201	PEB	C1A-NA	-3.61	1.32	1.37
31	i6	202	PEB	C1A-NA	-3.61	1.32	1.37
31	N7	201	PEB	CHA-C1B	3.61	1.48	1.40
31	jH	202	PEB	CHA-C1B	3.61	1.48	1.40
31	A9	201	PEB	CHA-C1B	3.60	1.48	1.40
31	PG	201	PEB	CHA-C1B	3.60	1.48	1.40
31	UG	201	PEB	C1A-NA	-3.60	1.32	1.37
31	AG	201	PEB	CHA-C1B	3.60	1.48	1.40
31	I9	201	PEB	CHA-C1B	3.60	1.48	1.40
31	aD	202	PEB	C2C-C3C	3.60	1.48	1.37
31	NA	202	PEB	C1A-NA	-3.60	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BF	202	PEB	C1A-NA	-3.60	1.32	1.37
31	V2	201	PEB	C1A-NA	-3.60	1.32	1.37
31	N7	202	PEB	C1A-NA	-3.60	1.32	1.37
31	A7	202	PEB	C2C-C3C	3.60	1.48	1.37
31	ZA	203	PEB	CHA-C1B	3.60	1.48	1.40
31	D1	201	PEB	C2C-C3C	3.60	1.48	1.37
31	Q4	201	PEB	CHA-C1B	3.60	1.48	1.40
31	WI	201	PEB	C2C-C3C	3.60	1.48	1.37
31	U5	201	PEB	C1A-NA	-3.60	1.32	1.37
33	K2	201	CYC	C1C-NC	-3.60	1.32	1.37
31	aH	202	PEB	C2A-C1A	-3.60	1.48	1.52
31	xF	302	PEB	C1A-NA	-3.60	1.32	1.37
31	mH	202	PEB	C1A-NA	-3.60	1.32	1.37
31	P5	202	PEB	C2C-C3C	3.60	1.48	1.37
31	P9	201	PEB	CHA-C1B	3.60	1.48	1.40
31	fB	202	PEB	CHA-C1B	3.60	1.48	1.40
31	YH	201	PEB	C2A-C1A	-3.60	1.48	1.52
31	f4	201	PEB	CHA-C1B	3.60	1.48	1.40
31	PB	202	PEB	CHA-C1B	3.60	1.48	1.40
31	KG	202	PEB	CHA-C1B	3.60	1.48	1.40
31	D5	201	PEB	C1A-NA	-3.60	1.32	1.37
31	P7	202	PEB	C1A-NA	-3.60	1.32	1.37
31	IG	201	PEB	CHA-C1B	3.60	1.48	1.40
31	JH	201	PEB	C2A-C1A	-3.60	1.48	1.52
31	a4	203	PEB	C2C-C3C	3.60	1.48	1.37
31	a4	204	PEB	CHA-C1B	3.60	1.48	1.40
31	DA	202	PEB	C1A-NA	-3.60	1.32	1.37
31	CG	201	PEB	C1A-NA	-3.60	1.32	1.37
31	k4	202	PEB	C1A-NA	-3.60	1.32	1.37
31	j8	202	PEB	C2C-C3C	3.60	1.48	1.37
31	gH	202	PEB	C2C-C3C	3.60	1.48	1.37
31	SA	202	PEB	C2A-C1A	-3.60	1.48	1.52
31	YF	202	PEB	C1A-NA	-3.60	1.32	1.37
31	jD	202	PEB	C1A-NA	-3.60	1.32	1.37
31	i4	201	PEB	C2C-C3C	3.60	1.48	1.37
31	JG	201	PEB	C2C-C3C	3.60	1.48	1.37
33	N3	1001	CYC	C3D-C2D	3.60	1.48	1.37
31	GF	203	PEB	C1A-NA	-3.60	1.32	1.37
31	A1	201	PEB	C1A-NA	-3.60	1.32	1.37
31	hB	202	PEB	C2C-C3C	3.60	1.48	1.37
33	LE	1001	CYC	C3D-C2D	3.60	1.48	1.37
31	i4	202	PEB	C1A-NA	-3.59	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A8	201	PEB	C1A-NA	-3.59	1.32	1.37
31	KI	201	PEB	C2C-C3C	3.59	1.48	1.37
31	Q4	203	PEB	CHA-C1B	3.59	1.48	1.40
33	K3	1001	CYC	C3D-C2D	3.59	1.48	1.37
31	RG	201	PEB	CHA-C1B	3.59	1.48	1.40
31	C5	202	PEB	C2C-C3C	3.59	1.48	1.37
31	UG	202	PEB	C1A-NA	-3.59	1.32	1.37
31	U1	202	PEB	C1A-NA	-3.59	1.32	1.37
31	F2	1002	PEB	C1A-NA	-3.59	1.32	1.37
33	FD	201	CYC	C2C-C1C	-3.59	1.48	1.52
33	e3	1001	CYC	C3D-C2D	3.59	1.48	1.37
31	QG	201	PEB	CHA-C1B	3.59	1.48	1.40
31	dB	202	PEB	CHA-C1B	3.59	1.48	1.40
31	eD	201	PEB	CHA-C1B	3.59	1.48	1.40
31	D1	203	PEB	C1A-NA	-3.59	1.33	1.37
31	OB	202	PEB	C2C-C3C	3.59	1.48	1.37
31	WK	202	PEB	CHA-C1B	3.59	1.48	1.40
31	H7	202	PEB	CHA-C1B	3.59	1.48	1.40
31	E9	201	PEB	CHA-C1B	3.59	1.48	1.40
31	w8	303	PEB	C2C-C3C	3.59	1.48	1.37
33	E3	1001	CYC	C3D-C2D	3.59	1.48	1.37
31	OD	202	PEB	CHA-C1B	3.59	1.48	1.40
31	XI	201	PEB	C2C-C3C	3.59	1.48	1.37
31	PG	201	PEB	C1A-NA	-3.59	1.33	1.37
31	aB	202	PEB	C1A-NA	-3.59	1.33	1.37
31	mD	201	PEB	C1A-NA	-3.59	1.33	1.37
31	b7	501	PEB	CHA-C1B	3.59	1.48	1.40
31	XF	202	PEB	CHA-C1B	3.59	1.48	1.40
31	AB	301	PEB	C1A-NA	-3.59	1.33	1.37
31	J5	202	PEB	C1A-NA	-3.59	1.33	1.37
31	VG	201	PEB	CHA-C1B	3.59	1.48	1.40
31	V1	203	PEB	CHA-C1B	3.59	1.48	1.40
31	Y8	202	PEB	CHA-C1B	3.59	1.48	1.40
31	w8	302	PEB	CHA-C1B	3.59	1.48	1.40
31	T9	202	PEB	CHA-C1B	3.59	1.48	1.40
31	D7	201	PEB	CHA-C1B	3.59	1.48	1.40
31	pF	201	PEB	C2C-C3C	3.59	1.48	1.37
31	CG	201	PEB	CHA-C1B	3.59	1.48	1.40
31	S6	201	PEB	CHA-C1B	3.59	1.48	1.40
31	R2	202	PEB	C2A-C1A	-3.59	1.48	1.52
31	F4	201	PEB	C2A-C1A	-3.59	1.48	1.52
31	SI	202	PEB	C1A-NA	-3.59	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	D4	201	PEB	C1A-NA	-3.59	1.33	1.37
31	fE	201	PEB	C1A-NA	-3.59	1.33	1.37
31	DG	202	PEB	CHA-C1B	3.59	1.48	1.40
31	hD	202	PEB	CHA-C1B	3.59	1.48	1.40
31	l8	201	PEB	C2C-C3C	3.59	1.48	1.37
31	IA	201	PEB	CHA-C1B	3.59	1.48	1.40
33	p3	1001	CYC	C3D-C2D	3.59	1.48	1.37
31	J5	202	PEB	CHA-C1B	3.59	1.48	1.40
31	T9	201	PEB	CHA-C1B	3.59	1.48	1.40
31	PI	201	PEB	C2C-C3C	3.59	1.48	1.37
31	QA	201	PEB	CHA-C1B	3.59	1.48	1.40
31	DI	203	PEB	C2C-C3C	3.59	1.48	1.37
31	EI	201	PEB	C2C-C3C	3.59	1.48	1.37
31	F8	202	PEB	C2A-C1A	-3.59	1.48	1.52
31	K9	201	PEB	C2A-C1A	-3.59	1.48	1.52
31	l4	203	PEB	C2C-C3C	3.59	1.48	1.37
31	h6	202	PEB	C2C-C3C	3.59	1.48	1.37
31	WE	201	PEB	CHA-C1B	3.59	1.48	1.40
31	X9	201	PEB	CHA-C1B	3.59	1.48	1.40
31	kF	202	PEB	C2C-C3C	3.59	1.48	1.37
31	a4	202	PEB	C1A-NA	-3.59	1.33	1.37
31	hE	201	PEB	C1A-NA	-3.59	1.33	1.37
31	cF	203	PEB	C1A-NA	-3.59	1.33	1.37
31	kF	201	PEB	C1A-NA	-3.59	1.33	1.37
31	NJ	204	PEB	CHA-C1B	3.58	1.48	1.40
31	g6	201	PEB	CHA-C1B	3.58	1.48	1.40
31	qF	203	PEB	OD-C4D	3.58	1.30	1.23
31	TG	202	PEB	CHA-C1B	3.58	1.48	1.40
31	XG	201	PEB	CHA-C1B	3.58	1.48	1.40
31	gA	203	PEB	C1A-NA	-3.58	1.33	1.37
31	gF	203	PEB	C1A-NA	-3.58	1.33	1.37
31	BH	301	PEB	CHA-C1B	3.58	1.48	1.40
31	YD	202	PEB	C2A-C1A	-3.58	1.48	1.52
31	K7	202	PEB	C2A-C1A	-3.58	1.48	1.52
31	UE	202	PEB	C1A-NA	-3.58	1.33	1.37
31	P6	201	PEB	C1A-NA	-3.58	1.33	1.37
31	O9	203	PEB	CHA-C1B	3.58	1.48	1.40
31	Y5	201	PEB	C1A-NA	-3.58	1.33	1.37
31	g6	202	PEB	C1A-NA	-3.58	1.33	1.37
31	w8	302	PEB	C2C-C3C	3.58	1.48	1.37
31	lE	202	PEB	C2C-C3C	3.58	1.48	1.37
31	R5	202	PEB	CHA-C1B	3.58	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SI	203	PEB	C1A-NA	-3.58	1.33	1.37
31	ID	203	PEB	C1A-NA	-3.58	1.33	1.37
31	GG	202	PEB	CHA-C1B	3.58	1.48	1.40
31	U9	203	PEB	CHA-C1B	3.58	1.48	1.40
31	cE	202	PEB	C2C-C3C	3.58	1.48	1.37
31	k8	202	PEB	C2C-C3C	3.58	1.48	1.37
33	R3	1001	CYC	C3D-C2D	3.58	1.48	1.37
31	YF	202	PEB	CHA-C1B	3.58	1.48	1.40
33	G3	1001	CYC	C3D-C2D	3.58	1.48	1.37
32	AJ	303	PUB	C3B-C2B	3.58	1.48	1.37
33	i3	1001	CYC	C3D-C2D	3.58	1.48	1.37
31	JK	203	PEB	CHA-C1B	3.58	1.48	1.40
31	F1	203	PEB	CHA-C1B	3.58	1.48	1.40
31	f4	202	PEB	C1A-NA	-3.58	1.33	1.37
31	iB	203	PEB	C2C-C3C	3.58	1.48	1.37
31	UC	203	PEB	C1A-NA	-3.58	1.33	1.37
31	MF	203	PEB	C1A-NA	-3.58	1.33	1.37
31	SI	201	PEB	C1A-NA	-3.58	1.33	1.37
31	VC	203	PEB	CHA-C1B	3.58	1.48	1.40
31	UD	202	PEB	CHA-C1B	3.58	1.48	1.40
31	V2	203	PEB	CHA-C1B	3.58	1.48	1.40
31	F5	201	PEB	CHA-C1B	3.58	1.48	1.40
31	gE	202	PEB	C2C-C3C	3.58	1.48	1.37
31	VI	201	PEB	C2C-C3C	3.58	1.48	1.37
31	GJ	201	PEB	C2C-C3C	3.58	1.48	1.37
33	t3	1001	CYC	C3D-C2D	3.58	1.48	1.37
31	PE	201	PEB	C1A-NA	-3.58	1.33	1.37
31	YH	203	PEB	C3C-C4C	3.58	1.47	1.42
31	j6	202	PEB	CHA-C1B	3.58	1.48	1.40
31	gD	202	PEB	CHA-C1B	3.58	1.48	1.40
31	aE	202	PEB	C2C-C3C	3.58	1.48	1.37
31	RI	201	PEB	C2C-C3C	3.58	1.48	1.37
31	GI	201	PEB	C2C-C3C	3.58	1.48	1.37
31	dA	201	PEB	C1A-NA	-3.58	1.33	1.37
31	hF	202	PEB	C2C-C3C	3.58	1.48	1.37
31	H1	203	PEB	C4B-C3B	3.58	1.51	1.45
31	JJ	202	PEB	C1A-NA	-3.58	1.33	1.37
31	T2	201	PEB	C1A-NA	-3.58	1.33	1.37
31	qF	202	PEB	C1A-NA	-3.58	1.33	1.37
31	J2	1002	PEB	CHA-C1B	3.58	1.48	1.40
31	dF	202	PEB	C2A-C1A	-3.57	1.48	1.52
31	S5	201	PEB	C2C-C3C	3.57	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	LI	202	PEB	CHA-C1B	3.57	1.48	1.40
31	hE	202	PEB	CHA-C1B	3.57	1.48	1.40
31	X8	203	PEB	C1A-NA	-3.57	1.33	1.37
31	J8	201	PEB	C2A-C1A	-3.57	1.48	1.52
31	V4	201	PEB	C1A-NA	-3.57	1.33	1.37
31	f4	203	PEB	C1A-NA	-3.57	1.33	1.37
31	W7	201	PEB	C1A-NA	-3.57	1.33	1.37
31	Q5	202	PEB	C2C-C3C	3.57	1.48	1.37
31	R5	201	PEB	C2C-C3C	3.57	1.48	1.37
33	C3	1001	CYC	C3D-C2D	3.57	1.48	1.37
31	OE	202	PEB	CHA-C1B	3.57	1.48	1.40
31	D6	1002	PEB	CHA-C1B	3.57	1.48	1.40
31	gB	201	PEB	C1A-NA	-3.57	1.33	1.37
31	TB	202	PEB	CHA-C1B	3.57	1.48	1.40
31	QJ	202	PEB	C2C-C3C	3.57	1.48	1.37
31	OG	201	PEB	C1A-NA	-3.57	1.33	1.37
31	x8	303	PEB	C1A-NA	-3.57	1.33	1.37
31	WC	202	PEB	C1A-NA	-3.57	1.33	1.37
33	J3	1001	CYC	C3D-C2D	3.57	1.48	1.37
31	WD	202	PEB	CHA-C1B	3.57	1.48	1.40
31	UE	203	PEB	CHA-C1B	3.57	1.48	1.40
33	m3	1001	CYC	C3D-C2D	3.57	1.48	1.37
31	RJ	201	PEB	C2C-C3C	3.57	1.48	1.37
31	IJ	202	PEB	C2A-C1A	-3.57	1.48	1.52
31	HI	201	PEB	C2C-C3C	3.57	1.48	1.37
31	T6	202	PEB	CHA-C1B	3.57	1.48	1.40
33	LD	1001	CYC	C3D-C2D	3.57	1.48	1.37
31	AK	201	PEB	C1A-NA	-3.57	1.33	1.37
31	P2	201	PEB	C2C-C3C	3.57	1.48	1.37
31	GD	202	PEB	C2A-C1A	-3.57	1.48	1.52
31	U2	202	PEB	C2C-C3C	3.57	1.48	1.37
31	PC	201	PEB	C2C-C3C	3.57	1.48	1.37
31	d6	202	PEB	C2C-C3C	3.57	1.48	1.37
31	xF	303	PEB	C1A-NA	-3.57	1.33	1.37
31	E1	202	PEB	C2C-C3C	3.57	1.48	1.37
31	f6	202	PEB	CHA-C1B	3.57	1.48	1.40
31	WI	202	PEB	C1A-NA	-3.57	1.33	1.37
31	M8	203	PEB	C1A-NA	-3.57	1.33	1.37
31	hH	203	PEB	C2C-C3C	3.57	1.48	1.37
32	A5	303	PUB	C3B-C2B	3.57	1.48	1.37
31	HG	202	PEB	C1A-NA	-3.57	1.33	1.37
31	E1	202	PEB	C1A-NA	-3.57	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	l2	202	PEB	C1A-NA	-3.57	1.33	1.37
31	eB	201	PEB	C1A-NA	-3.57	1.33	1.37
31	d2	203	PEB	C2C-C3C	3.57	1.48	1.37
31	HG	201	PEB	CHA-C1B	3.57	1.48	1.40
31	TI	201	PEB	C2C-C3C	3.57	1.48	1.37
31	E7	202	PEB	C2C-C3C	3.57	1.48	1.37
31	X9	201	PEB	C2A-C1A	-3.56	1.48	1.52
33	I6	1001	CYC	C2C-C1C	-3.56	1.48	1.52
31	NI	201	PEB	C2C-C3C	3.56	1.48	1.37
31	X5	202	PEB	C2C-C3C	3.56	1.48	1.37
31	LJ	203	PEB	C1A-NA	-3.56	1.33	1.37
31	O2	201	PEB	C1A-NA	-3.56	1.33	1.37
31	FK	203	PEB	C2C-C3C	3.56	1.48	1.37
31	Q4	203	PEB	C2C-C3C	3.56	1.48	1.37
31	HK	203	PEB	C4B-C3B	3.56	1.51	1.45
31	CI	201	PEB	C2C-C3C	3.56	1.48	1.37
31	iH	202	PEB	C2C-C3C	3.56	1.48	1.37
31	ZC	201	PEB	C2A-C1A	-3.56	1.48	1.52
31	PC	201	PEB	CHA-C1B	3.56	1.48	1.40
31	M4	203	PEB	CHA-C1B	3.56	1.48	1.40
31	O4	202	PEB	C1A-NA	-3.56	1.33	1.37
31	cA	402	PEB	C2C-C3C	3.56	1.48	1.37
31	eC	201	PEB	C2C-C3C	3.56	1.48	1.37
33	r3	1001	CYC	C3D-C2D	3.56	1.48	1.37
31	VH	202	PEB	C2A-C1A	-3.56	1.48	1.52
31	GA	203	PEB	CHA-C1B	3.56	1.48	1.40
33	T3	1001	CYC	C3D-C2D	3.56	1.48	1.37
31	KE	201	PEB	C1A-NA	-3.56	1.33	1.37
33	I6	1001	CYC	C1C-NC	-3.56	1.33	1.37
31	Y5	201	PEB	C2C-C3C	3.56	1.48	1.37
31	VK	203	PEB	CHA-C1B	3.56	1.48	1.40
31	J1	203	PEB	CHA-C1B	3.56	1.48	1.40
31	O7	203	PEB	C1A-NA	-3.56	1.33	1.37
31	AI	201	PEB	C2C-C3C	3.56	1.48	1.37
31	O8	203	PEB	C2C-C3C	3.56	1.48	1.37
31	YB	202	PEB	CHA-C1B	3.56	1.48	1.40
31	Y6	202	PEB	CHA-C1B	3.56	1.48	1.40
31	gE	202	PEB	CHA-C1B	3.56	1.48	1.40
31	H6	1002	PEB	C1A-NA	-3.56	1.33	1.37
33	P3	1001	CYC	C3D-C2D	3.56	1.48	1.37
33	c3	1001	CYC	C3D-C2D	3.56	1.48	1.37
31	dC	203	PEB	C2C-C3C	3.56	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	E7	202	PEB	CHA-C1B	3.56	1.48	1.40
33	A3	1001	CYC	C3D-C2D	3.56	1.48	1.37
31	h8	202	PEB	C2C-C3C	3.56	1.48	1.37
31	RK	201	PEB	C2A-C1A	-3.56	1.48	1.52
31	a6	202	PEB	C1A-NA	-3.56	1.33	1.37
31	ZC	203	PEB	C2C-C3C	3.56	1.48	1.37
31	e2	202	PEB	C2C-C3C	3.56	1.48	1.37
31	eC	202	PEB	C2C-C3C	3.56	1.48	1.37
31	jF	202	PEB	C2C-C3C	3.56	1.48	1.37
33	v3	1001	CYC	C3D-C2D	3.56	1.48	1.37
31	TF	202	PEB	CHA-C1B	3.56	1.48	1.40
31	mB	201	PEB	C2C-C3C	3.56	1.48	1.37
31	CJ	202	PEB	C2C-C3C	3.56	1.48	1.37
31	jH	201	PEB	CHA-C1B	3.56	1.48	1.40
31	BI	203	PEB	C2C-C3C	3.56	1.48	1.37
31	II	201	PEB	C2C-C3C	3.56	1.48	1.37
31	I1	202	PEB	C2C-C3C	3.56	1.48	1.37
31	N6	1002	PEB	C1A-NA	-3.56	1.33	1.37
31	e6	202	PEB	C1A-NA	-3.56	1.33	1.37
31	AK	201	PEB	C2C-C3C	3.56	1.48	1.37
31	gD	202	PEB	C2C-C3C	3.56	1.48	1.37
31	F4	202	PEB	C2A-C1A	-3.56	1.48	1.52
31	RJ	202	PEB	C1A-NA	-3.56	1.33	1.37
31	k6	201	PEB	C2C-C3C	3.56	1.48	1.37
31	o8	201	PEB	C2C-C3C	3.56	1.48	1.37
31	B7	201	PEB	CHA-C1B	3.56	1.48	1.40
31	dA	201	PEB	CHA-C1B	3.56	1.48	1.40
31	E4	201	PEB	C1A-NA	-3.56	1.33	1.37
31	G7	203	PEB	C1A-NA	-3.56	1.33	1.37
31	LB	1002	PEB	C2A-C1A	-3.56	1.48	1.52
31	R9	201	PEB	C2A-C1A	-3.56	1.48	1.52
31	YB	201	PEB	CHA-C1B	3.56	1.48	1.40
31	UE	202	PEB	C2C-C3C	3.56	1.48	1.37
31	Z2	203	PEB	C2C-C3C	3.56	1.48	1.37
31	j2	201	PEB	C1A-NA	-3.56	1.33	1.37
31	G5	201	PEB	C2C-C3C	3.55	1.48	1.37
31	i6	203	PEB	C2C-C3C	3.55	1.48	1.37
31	MF	202	PEB	C1A-NA	-3.55	1.33	1.37
31	dE	203	PEB	C2C-C3C	3.55	1.48	1.37
33	l3	1001	CYC	C3D-C2D	3.55	1.48	1.37
31	wF	302	PEB	CHA-C1B	3.55	1.48	1.40
31	UI	201	PEB	C2C-C3C	3.55	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	sF	201	PEB	C2C-C3C	3.55	1.48	1.37
31	SB	202	PEB	CHA-C1B	3.55	1.48	1.40
31	FK	203	PEB	CHA-C1B	3.55	1.48	1.40
31	ZF	202	PEB	C1A-NA	-3.55	1.33	1.37
31	M8	202	PEB	C1A-NA	-3.55	1.33	1.37
31	TB	201	PEB	C2A-C1A	-3.55	1.48	1.52
31	M7	203	PEB	CHC-C4C	3.55	1.58	1.50
31	WI	203	PEB	C2C-C3C	3.55	1.48	1.37
31	YB	203	PEB	CHA-C1B	3.55	1.48	1.40
31	YF	201	PEB	CHA-C1B	3.55	1.48	1.40
31	Y6	203	PEB	CHA-C1B	3.55	1.48	1.40
31	f4	202	PEB	C2C-C3C	3.55	1.48	1.37
31	oF	203	PEB	C2C-C3C	3.55	1.48	1.37
31	QH	204	PEB	CHA-C1B	3.55	1.48	1.40
31	DI	202	PEB	CHA-C1B	3.55	1.48	1.40
31	O4	203	PEB	CHA-C1B	3.55	1.48	1.40
31	M7	202	PEB	CHA-C1B	3.55	1.48	1.40
31	X5	203	PEB	C2C-C3C	3.55	1.48	1.37
31	Y6	201	PEB	CHA-C1B	3.55	1.48	1.40
33	FE	1001	CYC	CHB-C4A	3.55	1.48	1.40
31	U2	201	PEB	C1A-NA	-3.55	1.33	1.37
31	E4	202	PEB	C2C-C3C	3.55	1.48	1.37
31	S4	201	PEB	C2C-C3C	3.55	1.48	1.37
31	HB	1002	PEB	C1A-NA	-3.55	1.33	1.37
31	GJ	202	PEB	CHA-C1B	3.55	1.48	1.40
31	fC	202	PEB	CHA-C1B	3.55	1.48	1.40
31	XJ	203	PEB	C2C-C3C	3.55	1.48	1.37
33	63	901	CYC	C2C-C1C	-3.55	1.48	1.52
31	UJ	201	PEB	C2C-C3C	3.55	1.48	1.37
31	A7	202	PEB	CHA-C1B	3.55	1.48	1.40
31	AB	304	PEB	C2C-C3C	3.55	1.48	1.37
31	jC	202	PEB	C2C-C3C	3.55	1.48	1.37
33	C2	1001	CYC	C1C-NC	-3.55	1.33	1.37
33	G6	1001	CYC	C1C-NC	-3.55	1.33	1.37
31	UD	202	PEB	C2C-C3C	3.55	1.48	1.37
31	A6	304	PEB	C2C-C3C	3.55	1.48	1.37
31	u8	201	PEB	C2C-C3C	3.55	1.48	1.37
31	UG	201	PEB	CHA-C1B	3.55	1.48	1.40
31	J6	1002	PEB	CHA-C1B	3.55	1.48	1.40
32	AB	302	PUB	C3B-C2B	3.55	1.48	1.37
32	A6	302	PUB	C3B-C2B	3.55	1.48	1.37
33	g3	1001	CYC	C3D-C2D	3.55	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	WE	202	PEB	CHA-C1B	3.55	1.48	1.40
31	R6	201	PEB	C2C-C3C	3.55	1.48	1.37
31	O5	202	PEB	C1A-NA	-3.55	1.33	1.37
31	q8	203	PEB	C1A-NA	-3.55	1.33	1.37
31	c6	201	PEB	C1A-NA	-3.55	1.33	1.37
33	D2	1003	CYC	CHB-C4A	3.55	1.48	1.40
31	SJ	201	PEB	C2C-C3C	3.55	1.48	1.37
31	KH	202	PEB	C3C-C4C	3.55	1.47	1.42
31	kH	201	PEB	C1A-NA	-3.55	1.33	1.37
31	H2	1002	PEB	C2C-C3C	3.55	1.48	1.37
31	O6	202	PEB	C2C-C3C	3.55	1.48	1.37
31	W7	201	PEB	CHC-C4C	3.55	1.58	1.50
31	E5	202	PEB	C2A-C1A	-3.55	1.48	1.52
31	F1	203	PEB	C2C-C3C	3.55	1.48	1.37
31	PD	202	PEB	CHA-C1B	3.55	1.48	1.40
31	TJ	202	PEB	C2C-C3C	3.55	1.48	1.37
31	m4	201	PEB	C2C-C3C	3.55	1.48	1.37
31	B7	201	PEB	C1A-NA	-3.55	1.33	1.37
31	LI	203	PEB	C2C-C3C	3.54	1.48	1.37
31	m6	201	PEB	C2C-C3C	3.54	1.48	1.37
31	j2	202	PEB	C2C-C3C	3.54	1.48	1.37
31	rF	201	PEB	CHA-C1B	3.54	1.48	1.40
31	k4	202	PEB	C2C-C3C	3.54	1.48	1.37
31	eB	202	PEB	C1A-NA	-3.54	1.33	1.37
31	wF	303	PEB	C2C-C3C	3.54	1.48	1.37
31	DJ	202	PEB	CHA-C1B	3.54	1.48	1.40
31	bF	201	PEB	C2C-C3C	3.54	1.48	1.37
31	UI	202	PEB	C1A-NA	-3.54	1.33	1.37
31	A1	202	PEB	C1A-NA	-3.54	1.33	1.37
31	kH	201	PEB	C2C-C3C	3.54	1.48	1.37
31	EK	202	PEB	C2C-C3C	3.54	1.48	1.37
31	PG	202	PEB	C1A-NA	-3.54	1.33	1.37
31	DK	201	PEB	C2C-C3C	3.54	1.48	1.37
31	AF	201	PEB	C1A-NA	-3.54	1.33	1.37
31	NG	202	PEB	C1A-NA	-3.54	1.33	1.37
31	PH	201	PEB	C1A-NA	-3.54	1.33	1.37
31	M7	202	PEB	C1A-NA	-3.54	1.33	1.37
31	cD	202	PEB	C2C-C3C	3.54	1.48	1.37
31	W4	202	PEB	C3C-C4C	3.54	1.47	1.42
31	I7	201	PEB	CHA-C1B	3.54	1.48	1.40
31	I9	201	PEB	C2A-C1A	-3.54	1.48	1.52
31	T9	201	PEB	C2A-C1A	-3.54	1.48	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	y8	301	PEB	C1A-NA	-3.54	1.33	1.37
31	A8	202	PEB	CHA-C1B	3.54	1.48	1.40
31	W8	203	PEB	C2C-C3C	3.54	1.48	1.37
31	LG	201	PEB	CHA-C1B	3.54	1.48	1.40
31	ND	201	PEB	C1A-NA	-3.54	1.33	1.37
31	K5	201	PEB	CHA-C1B	3.54	1.48	1.40
31	OC	203	PEB	C1A-NA	-3.54	1.33	1.37
31	F6	1002	PEB	CHA-C1B	3.54	1.48	1.40
31	U5	201	PEB	C2C-C3C	3.54	1.48	1.37
31	HI	203	PEB	CHA-C1B	3.54	1.48	1.40
33	KC	201	CYC	C1C-NC	-3.54	1.33	1.37
31	U4	203	PEB	C2C-C3C	3.54	1.48	1.37
31	bB	202	PEB	CHA-C1B	3.54	1.48	1.40
31	Q7	203	PEB	CHC-C4C	3.54	1.58	1.50
31	MJ	202	PEB	CHA-C1B	3.54	1.48	1.40
31	M5	202	PEB	CHA-C1B	3.54	1.48	1.40
31	d6	202	PEB	CHA-C1B	3.54	1.48	1.40
31	S4	201	PEB	C1A-NA	-3.54	1.33	1.37
31	aB	203	PEB	C1A-NA	-3.54	1.33	1.37
33	GB	1001	CYC	C1C-NC	-3.54	1.33	1.37
31	YK	301	PEB	CHA-C1B	3.54	1.48	1.40
31	c4	201	PEB	CHA-C1B	3.54	1.48	1.40
31	jB	202	PEB	CHA-C1B	3.54	1.48	1.40
31	c6	202	PEB	C1A-NA	-3.54	1.33	1.37
33	ED	1001	CYC	C3D-C2D	3.53	1.48	1.37
31	RE	201	PEB	C2C-C3C	3.53	1.48	1.37
31	S2	202	PEB	C1A-NA	-3.53	1.33	1.37
31	S4	203	PEB	C1A-NA	-3.53	1.33	1.37
31	T7	202	PEB	C1A-NA	-3.53	1.33	1.37
31	g8	203	PEB	C1A-NA	-3.53	1.33	1.37
31	CA	201	PEB	OD-C4D	3.53	1.30	1.23
31	gC	202	PEB	C2C-C3C	3.53	1.48	1.37
31	SJ	201	PEB	C1A-NA	-3.53	1.33	1.37
31	eE	201	PEB	C2C-C3C	3.53	1.48	1.37
31	wF	302	PEB	C2C-C3C	3.53	1.48	1.37
33	D2	1003	CYC	C3D-C2D	3.53	1.48	1.37
31	a4	204	PEB	C1A-NA	-3.53	1.33	1.37
31	c4	202	PEB	C1A-NA	-3.53	1.33	1.37
31	U7	203	PEB	C1A-NA	-3.53	1.33	1.37
31	aF	203	PEB	C1A-NA	-3.53	1.33	1.37
31	RD	201	PEB	C2C-C3C	3.53	1.48	1.37
31	OI	201	PEB	CHA-C1B	3.53	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	IK	202	PEB	C2C-C3C	3.53	1.48	1.37
31	K7	201	PEB	CHA-C1B	3.53	1.48	1.40
31	Y7	504	PEB	CHA-C1B	3.53	1.48	1.40
31	D8	201	PEB	CHA-C1B	3.53	1.48	1.40
31	UD	202	PEB	C1A-NA	-3.53	1.33	1.37
33	KE	202	CYC	C2C-C1C	-3.53	1.48	1.52
31	PJ	202	PEB	C2C-C3C	3.53	1.48	1.37
31	A1	201	PEB	C2C-C3C	3.53	1.48	1.37
31	P6	201	PEB	C2C-C3C	3.53	1.48	1.37
31	cH	201	PEB	C2C-C3C	3.53	1.48	1.37
31	L7	201	PEB	CHA-C1B	3.53	1.48	1.40
31	T4	201	PEB	C2C-C3C	3.53	1.48	1.37
31	OB	202	PEB	C1A-NA	-3.53	1.33	1.37
31	B9	202	PEB	C1A-NA	-3.53	1.33	1.37
31	cB	203	PEB	C1A-NA	-3.53	1.33	1.37
31	SH	202	PEB	CHA-C1B	3.53	1.48	1.40
33	DC	1003	CYC	CHB-C4A	3.53	1.48	1.40
31	GA	202	PEB	C1A-NA	-3.53	1.33	1.37
31	RD	201	PEB	C1A-NA	-3.53	1.33	1.37
31	E1	201	PEB	C1A-NA	-3.53	1.33	1.37
31	c8	202	PEB	C1A-NA	-3.53	1.33	1.37
31	OE	202	PEB	C2C-C3C	3.53	1.48	1.37
31	U4	203	PEB	CHA-C1B	3.53	1.48	1.40
31	kC	201	PEB	CHA-C1B	3.53	1.48	1.40
31	KJ	202	PEB	C2C-C3C	3.53	1.48	1.37
31	d4	203	PEB	C1A-NA	-3.53	1.33	1.37
31	TK	201	PEB	C2C-C3C	3.53	1.48	1.37
31	T1	201	PEB	C2C-C3C	3.53	1.48	1.37
31	g2	202	PEB	C2C-C3C	3.53	1.48	1.37
31	SA	201	PEB	CHA-C1B	3.53	1.48	1.40
31	i6	203	PEB	C1A-NA	-3.53	1.33	1.37
33	CC	1001	CYC	C1C-NC	-3.53	1.33	1.37
31	RC	202	PEB	C2A-C1A	-3.53	1.48	1.52
31	HG	203	PEB	C3C-C4C	3.53	1.47	1.42
31	YF	203	PEB	C1A-NA	-3.53	1.33	1.37
31	IH	203	PEB	C1A-NA	-3.53	1.33	1.37
31	H1	201	PEB	C1A-NA	-3.53	1.33	1.37
31	e1	301	PEB	C1A-NA	-3.53	1.33	1.37
31	k4	201	PEB	C2C-C3C	3.53	1.48	1.37
31	FA	201	PEB	CHA-C1B	3.53	1.48	1.40
31	C9	201	PEB	C2A-C1A	-3.53	1.48	1.52
31	o8	203	PEB	C2C-C3C	3.53	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	c6	203	PEB	C1A-NA	-3.53	1.33	1.37
31	gE	202	PEB	C1A-NA	-3.53	1.33	1.37
31	cH	202	PEB	C1A-NA	-3.53	1.33	1.37
31	Y4	203	PEB	CHA-C1B	3.53	1.48	1.40
31	W7	202	PEB	CHA-C1B	3.53	1.48	1.40
31	jH	202	PEB	C2C-C3C	3.53	1.48	1.37
31	X4	201	PEB	C2C-C3C	3.53	1.48	1.37
31	W8	202	PEB	C2C-C3C	3.53	1.48	1.37
31	NJ	204	PEB	C1A-NA	-3.52	1.33	1.37
31	iB	201	PEB	C1A-NA	-3.52	1.33	1.37
31	aF	201	PEB	C1A-NA	-3.52	1.33	1.37
31	dH	201	PEB	C1A-NA	-3.52	1.33	1.37
31	kB	201	PEB	C2C-C3C	3.52	1.48	1.37
31	e8	203	PEB	OD-C4D	3.52	1.30	1.23
31	LK	201	PEB	C2A-C1A	-3.52	1.48	1.52
31	d4	202	PEB	CHA-C1B	3.52	1.48	1.40
33	MB	1001	CYC	CHB-C4A	3.52	1.48	1.40
31	YJ	201	PEB	C1A-NA	-3.52	1.33	1.37
31	PB	201	PEB	C2C-C3C	3.52	1.48	1.37
31	EK	202	PEB	C1A-NA	-3.52	1.33	1.37
31	Z6	202	PEB	C1A-NA	-3.52	1.33	1.37
31	eD	201	PEB	C2C-C3C	3.52	1.48	1.37
31	QA	203	PEB	C1A-NA	-3.52	1.33	1.37
31	L7	201	PEB	C1A-NA	-3.52	1.33	1.37
31	lE	203	PEB	C1A-NA	-3.52	1.33	1.37
31	F2	1002	PEB	C2C-C3C	3.52	1.48	1.37
31	AE	304	PEB	CHA-C1B	3.52	1.48	1.40
31	V1	203	PEB	C1A-NA	-3.52	1.33	1.37
31	C7	201	PEB	C1A-NA	-3.52	1.33	1.37
31	T1	203	PEB	C2A-C1A	-3.52	1.48	1.52
31	YF	202	PEB	C2C-C3C	3.52	1.48	1.37
31	MK	202	PEB	C2C-C3C	3.52	1.48	1.37
31	KE	201	PEB	CHA-C1B	3.52	1.48	1.40
31	dE	201	PEB	C1A-NA	-3.52	1.33	1.37
31	TE	201	PEB	C2C-C3C	3.52	1.48	1.37
31	K5	202	PEB	C2C-C3C	3.52	1.48	1.37
31	gA	202	PEB	C2C-C3C	3.52	1.48	1.37
31	AK	202	PEB	CHA-C1B	3.52	1.48	1.40
31	fD	202	PEB	C2C-C3C	3.52	1.48	1.37
31	Z2	203	PEB	C1A-NA	-3.52	1.33	1.37
31	WD	201	PEB	CHA-C1B	3.52	1.48	1.40
31	fF	202	PEB	CHA-C1B	3.52	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	YE	202	PEB	C2A-C1A	-3.52	1.48	1.52
31	g4	201	PEB	C2C-C3C	3.52	1.48	1.37
31	oF	201	PEB	C2C-C3C	3.52	1.48	1.37
31	FC	1002	PEB	C1A-NA	-3.52	1.33	1.37
31	gB	202	PEB	C1A-NA	-3.52	1.33	1.37
31	fH	201	PEB	C1A-NA	-3.52	1.33	1.37
31	T8	202	PEB	CHA-C1B	3.52	1.48	1.40
31	g2	201	PEB	C2C-C3C	3.52	1.48	1.37
31	VE	201	PEB	CHA-C1B	3.52	1.48	1.40
31	R2	201	PEB	C2C-C3C	3.52	1.48	1.37
31	G4	202	PEB	CHA-C1B	3.52	1.48	1.40
31	F8	201	PEB	C2C-C3C	3.52	1.48	1.37
31	QC	203	PEB	CHA-C1B	3.52	1.48	1.40
31	kB	202	PEB	CHA-C1B	3.52	1.48	1.40
31	YB	201	PEB	C2C-C3C	3.52	1.48	1.37
31	s8	201	PEB	C2C-C3C	3.52	1.48	1.37
31	U1	201	PEB	C2A-C1A	-3.52	1.49	1.52
31	I1	201	PEB	C1A-NA	-3.51	1.33	1.37
31	g2	201	PEB	C1A-NA	-3.51	1.33	1.37
31	mB	201	PEB	C1A-NA	-3.51	1.33	1.37
31	c6	201	PEB	CHA-C1B	3.51	1.48	1.40
31	PE	202	PEB	CHA-C1B	3.51	1.48	1.40
31	Q5	201	PEB	C2C-C3C	3.51	1.48	1.37
31	TK	203	PEB	C2A-C1A	-3.51	1.49	1.52
31	d8	201	PEB	C2C-C3C	3.51	1.48	1.37
33	C2	1001	CYC	C3D-C2D	3.51	1.48	1.37
31	LE	1002	PEB	CHA-C1B	3.51	1.48	1.40
33	HE	1001	CYC	CHB-C4A	3.51	1.48	1.40
31	TB	201	PEB	C1A-NA	-3.51	1.33	1.37
31	QI	201	PEB	C1A-NA	-3.51	1.33	1.37
31	L4	201	PEB	C2C-C3C	3.51	1.48	1.37
31	cC	201	PEB	C2C-C3C	3.51	1.48	1.37
31	G5	202	PEB	CHA-C1B	3.51	1.48	1.40
31	ND	201	PEB	CHA-C1B	3.51	1.48	1.40
31	K7	202	PEB	CHA-C1B	3.51	1.48	1.40
31	AK	202	PEB	OD-C4D	3.51	1.30	1.23
31	c4	201	PEB	C2C-C3C	3.51	1.48	1.37
31	JF	202	PEB	C2C-C3C	3.51	1.48	1.37
31	BG	201	PEB	C2C-C3C	3.51	1.48	1.37
31	RG	202	PEB	C1A-NA	-3.51	1.33	1.37
31	UK	202	PEB	C1A-NA	-3.51	1.33	1.37
31	A7	203	PEB	C1A-NA	-3.51	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	f8	202	PEB	C2C-C3C	3.51	1.48	1.37
31	sF	202	PEB	C2C-C3C	3.51	1.48	1.37
31	m6	202	PEB	CHA-C1B	3.51	1.48	1.40
31	dC	202	PEB	CHA-C1B	3.51	1.48	1.40
31	N9	201	PEB	C2A-C1A	-3.51	1.49	1.52
31	P9	201	PEB	C2A-C1A	-3.51	1.49	1.52
31	gB	202	PEB	CHA-C1B	3.51	1.48	1.40
31	m6	203	PEB	C2C-C3C	3.51	1.48	1.37
31	gA	201	PEB	C2C-C3C	3.51	1.48	1.37
31	A6	301	PEB	C1A-NA	-3.51	1.33	1.37
31	UB	202	PEB	CHA-C1B	3.51	1.48	1.40
31	dE	204	PEB	C2C-C3C	3.51	1.48	1.37
31	FB	1002	PEB	C2A-C1A	-3.51	1.49	1.52
31	FC	1002	PEB	CHA-C1B	3.51	1.48	1.40
31	k6	202	PEB	CHA-C1B	3.51	1.48	1.40
31	CF	202	PEB	C2C-C3C	3.51	1.48	1.37
31	lE	203	PEB	C2C-C3C	3.51	1.48	1.37
31	dF	201	PEB	C2C-C3C	3.51	1.48	1.37
31	GG	203	PEB	C1A-NA	-3.51	1.33	1.37
31	OC	202	PEB	C2C-C3C	3.51	1.48	1.37
31	ZF	201	PEB	CHA-C1B	3.51	1.48	1.40
31	HC	1002	PEB	C2C-C3C	3.51	1.48	1.37
31	WI	202	PEB	CHA-C1B	3.51	1.48	1.40
31	d2	202	PEB	CHA-C1B	3.51	1.48	1.40
31	h6	202	PEB	CHA-C1B	3.51	1.48	1.40
31	CG	202	PEB	C1A-NA	-3.51	1.33	1.37
31	a6	203	PEB	C1A-NA	-3.51	1.33	1.37
31	MI	304	PEB	C2C-C3C	3.51	1.48	1.37
31	lD	202	PEB	C2C-C3C	3.51	1.48	1.37
31	Q2	203	PEB	CHA-C1B	3.51	1.48	1.40
31	kB	201	PEB	CHA-C1B	3.51	1.48	1.40
31	A9	201	PEB	C2A-C1A	-3.51	1.49	1.52
31	OD	202	PEB	C1A-NA	-3.51	1.33	1.37
31	gC	201	PEB	C1A-NA	-3.51	1.33	1.37
31	BJ	202	PEB	CHA-C1B	3.51	1.48	1.40
31	OG	201	PEB	C2C-C3C	3.51	1.48	1.37
31	AA	501	PEB	CHA-C1B	3.51	1.48	1.40
31	TD	201	PEB	C2C-C3C	3.51	1.48	1.37
31	l2	203	PEB	CHA-C1B	3.51	1.48	1.40
31	F4	201	PEB	C2C-C3C	3.51	1.48	1.37
33	IE	1001	CYC	C3D-C2D	3.51	1.48	1.37
33	BE	1002	CYC	C1B-NB	-3.51	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	OE	202	PEB	C1A-NA	-3.51	1.33	1.37
31	kC	201	PEB	C1A-NA	-3.51	1.33	1.37
31	F2	1002	PEB	CHA-C1B	3.51	1.48	1.40
31	AD	304	PEB	C2C-C3C	3.50	1.48	1.37
31	jE	202	PEB	C2C-C3C	3.50	1.48	1.37
31	iH	201	PEB	C2C-C3C	3.50	1.48	1.37
31	D5	202	PEB	CHA-C1B	3.50	1.48	1.40
31	F9	202	PEB	CHA-C1B	3.50	1.48	1.40
31	b7	503	PEB	CHA-C1B	3.50	1.48	1.40
31	bC	202	PEB	CHA-C1B	3.50	1.48	1.40
31	AB	305	PEB	C2C-C3C	3.50	1.48	1.37
31	d4	201	PEB	C1A-NA	-3.50	1.33	1.37
32	A4	304	PUB	C3B-C2B	3.50	1.48	1.37
31	c2	201	PEB	C2C-C3C	3.50	1.48	1.37
31	ZF	202	PEB	CHA-C1B	3.50	1.48	1.40
33	M2	201	CYC	C1C-NC	-3.50	1.33	1.37
31	cH	202	PEB	C2C-C3C	3.50	1.48	1.37
31	JB	1002	PEB	CHA-C1B	3.50	1.48	1.40
31	hB	202	PEB	CHA-C1B	3.50	1.48	1.40
31	fF	202	PEB	C2C-C3C	3.50	1.48	1.37
31	R8	202	PEB	CHA-C1B	3.50	1.48	1.40
33	M6	1001	CYC	CHB-C4A	3.50	1.48	1.40
31	G4	202	PEB	C2C-C3C	3.50	1.48	1.37
31	aA	201	PEB	C2C-C3C	3.50	1.48	1.37
31	AF	202	PEB	CHA-C1B	3.50	1.48	1.40
31	U9	201	PEB	C3C-C4C	3.50	1.47	1.42
31	E9	201	PEB	C2A-C1A	-3.50	1.49	1.52
31	G9	201	PEB	C2A-C1A	-3.50	1.49	1.52
31	f2	202	PEB	CHA-C1B	3.50	1.48	1.40
33	HD	1001	CYC	CHB-C4A	3.50	1.48	1.40
31	W8	203	PEB	C1A-NA	-3.50	1.33	1.37
31	E8	202	PEB	C1A-NA	-3.50	1.33	1.37
31	gE	201	PEB	C1A-NA	-3.50	1.33	1.37
31	e2	201	PEB	C2C-C3C	3.50	1.48	1.37
31	O5	201	PEB	C2C-C3C	3.50	1.48	1.37
31	B5	202	PEB	CHA-C1B	3.50	1.48	1.40
31	M1	202	PEB	C2C-C3C	3.50	1.48	1.37
31	EH	202	PEB	CHA-C1B	3.50	1.48	1.40
31	uF	202	PEB	C2C-C3C	3.50	1.48	1.37
33	G6	1001	CYC	C3D-C2D	3.50	1.48	1.37
31	WC	201	PEB	C1A-NA	-3.50	1.33	1.37
31	S5	201	PEB	C1A-NA	-3.50	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	dD	201	PEB	C1A-NA	-3.50	1.33	1.37
31	AK	201	PEB	CHA-C1B	3.50	1.48	1.40
31	TG	203	PEB	C1A-NA	-3.50	1.33	1.37
31	Q8	202	PEB	C1A-NA	-3.50	1.33	1.37
31	hD	201	PEB	C1A-NA	-3.50	1.33	1.37
31	OI	203	PEB	C2C-C3C	3.50	1.48	1.37
31	h4	203	PEB	C2C-C3C	3.50	1.48	1.37
31	ZI	303	PEB	C2C-C3C	3.50	1.48	1.37
31	AG	202	PEB	C1A-NA	-3.50	1.33	1.37
31	k2	201	PEB	C1A-NA	-3.50	1.33	1.37
31	M7	202	PEB	C2C-C3C	3.50	1.48	1.37
31	F7	202	PEB	C1A-NA	-3.50	1.33	1.37
31	cF	201	PEB	C1A-NA	-3.50	1.33	1.37
31	fH	201	PEB	CHA-C1B	3.50	1.48	1.40
31	E7	202	PEB	C1A-NA	-3.50	1.33	1.37
31	kB	202	PEB	C1A-NA	-3.50	1.33	1.37
31	fB	202	PEB	C1A-NA	-3.50	1.33	1.37
31	lC	201	PEB	C1A-NA	-3.50	1.33	1.37
31	Q4	204	PEB	C2C-C3C	3.50	1.48	1.37
33	DC	1003	CYC	C3D-C2D	3.50	1.48	1.37
31	NE	201	PEB	CHA-C1B	3.50	1.48	1.40
31	mB	202	PEB	CHA-C1B	3.50	1.48	1.40
31	H9	201	PEB	C2A-C1A	-3.50	1.49	1.52
31	C4	202	PEB	C2C-C3C	3.50	1.48	1.37
31	c4	202	PEB	C2C-C3C	3.50	1.48	1.37
31	PJ	201	PEB	C1A-NA	-3.49	1.33	1.37
31	aE	202	PEB	C1A-NA	-3.49	1.33	1.37
31	Y6	201	PEB	C2C-C3C	3.49	1.48	1.37
33	EE	1001	CYC	C3D-C2D	3.49	1.48	1.37
31	T8	202	PEB	C2C-C3C	3.49	1.48	1.37
31	d4	202	PEB	C2C-C3C	3.49	1.48	1.37
33	CC	1001	CYC	C3D-C2D	3.49	1.48	1.37
31	XG	202	PEB	C1A-NA	-3.49	1.33	1.37
31	J5	201	PEB	C1A-NA	-3.49	1.33	1.37
31	O6	202	PEB	C1A-NA	-3.49	1.33	1.37
31	V6	201	PEB	C2A-C1A	-3.49	1.49	1.52
31	H5	203	PEB	CHA-C1B	3.49	1.48	1.40
31	T6	201	PEB	C1A-NA	-3.49	1.33	1.37
31	mF	202	PEB	C1A-NA	-3.49	1.33	1.37
31	aH	203	PEB	CHA-C1B	3.49	1.48	1.40
31	Q9	202	PEB	CHA-C1B	3.49	1.48	1.40
31	RF	202	PEB	CHA-C1B	3.49	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	WF	203	PEB	C2C-C3C	3.49	1.48	1.37
31	mB	203	PEB	C2C-C3C	3.49	1.48	1.37
31	mE	202	PEB	C1A-NA	-3.49	1.33	1.37
31	jE	201	PEB	CHA-C1B	3.49	1.48	1.40
31	f4	201	PEB	C2C-C3C	3.49	1.48	1.37
31	S6	202	PEB	CHA-C1B	3.49	1.48	1.40
31	CA	201	PEB	C2C-C3C	3.49	1.48	1.37
31	w8	301	PEB	C1A-NA	-3.49	1.33	1.37
31	i4	201	PEB	C1A-NA	-3.49	1.33	1.37
31	WG	201	PEB	C2C-C3C	3.49	1.48	1.37
31	SH	202	PEB	C2C-C3C	3.49	1.48	1.37
31	b8	201	PEB	C2C-C3C	3.49	1.48	1.37
31	cB	201	PEB	CHA-C1B	3.49	1.48	1.40
31	iF	202	PEB	CHA-C1B	3.49	1.48	1.40
31	EG	202	PEB	C1A-NA	-3.49	1.33	1.37
31	i6	201	PEB	C1A-NA	-3.49	1.33	1.37
31	hH	203	PEB	C1A-NA	-3.49	1.33	1.37
31	QJ	201	PEB	C2C-C3C	3.49	1.48	1.37
31	dD	204	PEB	C2C-C3C	3.49	1.48	1.37
33	ID	1001	CYC	C3D-C2D	3.49	1.48	1.37
31	SB	201	PEB	CHA-C1B	3.49	1.48	1.40
31	AD	301	PEB	C2C-C3C	3.49	1.48	1.37
31	hD	203	PEB	C1A-NA	-3.49	1.33	1.37
31	VC	201	PEB	C2C-C3C	3.49	1.48	1.37
31	X4	202	PEB	C2C-C3C	3.49	1.48	1.37
31	iD	201	PEB	C2C-C3C	3.49	1.48	1.37
32	AH	304	PUB	C3B-C2B	3.49	1.48	1.37
31	NE	201	PEB	C1A-NA	-3.49	1.33	1.37
31	HA	203	PEB	CHA-C1B	3.49	1.48	1.40
31	YG	201	PEB	CHA-C1B	3.49	1.48	1.40
31	WH	202	PEB	CHA-C1B	3.49	1.48	1.40
31	d2	202	PEB	C2C-C3C	3.49	1.48	1.37
31	ZC	203	PEB	C1A-NA	-3.49	1.33	1.37
31	QE	203	PEB	C1A-NA	-3.49	1.33	1.37
31	O8	202	PEB	C1A-NA	-3.49	1.33	1.37
31	cA	401	PEB	C1A-NA	-3.49	1.33	1.37
31	aH	203	PEB	C1A-NA	-3.49	1.33	1.37
31	A2	302	PEB	C2C-C3C	3.49	1.48	1.37
31	P4	202	PEB	C2C-C3C	3.49	1.48	1.37
31	ND	201	PEB	C2C-C3C	3.49	1.48	1.37
31	GG	203	PEB	C2C-C3C	3.49	1.48	1.37
31	WC	203	PEB	CHA-C1B	3.49	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	LI	203	PEB	CHA-C1B	3.49	1.48	1.40
31	cE	201	PEB	C2C-C3C	3.49	1.48	1.37
31	C7	201	PEB	C2C-C3C	3.49	1.48	1.37
31	FB	1002	PEB	CHA-C1B	3.49	1.48	1.40
31	D1	203	PEB	C2C-C3C	3.49	1.48	1.37
31	jH	201	PEB	C2C-C3C	3.49	1.48	1.37
31	VD	201	PEB	CHA-C1B	3.48	1.48	1.40
31	J1	201	PEB	C1A-NA	-3.48	1.33	1.37
31	A4	301	PEB	C2C-C3C	3.48	1.48	1.37
33	V3	1001	CYC	CHB-C4A	3.48	1.48	1.40
31	A6	301	PEB	CHA-C1B	3.48	1.48	1.40
31	g6	202	PEB	CHA-C1B	3.48	1.48	1.40
31	VG	202	PEB	C2C-C3C	3.48	1.48	1.37
31	UD	203	PEB	CHA-C1B	3.48	1.48	1.40
31	DH	201	PEB	C2C-C3C	3.48	1.48	1.37
31	DK	203	PEB	C2C-C3C	3.48	1.48	1.37
31	A8	202	PEB	C1A-NA	-3.48	1.33	1.37
31	OH	201	PEB	CHA-C1B	3.48	1.48	1.40
31	aD	201	PEB	CHA-C1B	3.48	1.48	1.40
31	p8	202	PEB	C2C-C3C	3.48	1.48	1.37
31	r8	201	PEB	C2C-C3C	3.48	1.48	1.37
31	C4	202	PEB	CHA-C1B	3.48	1.48	1.40
31	E4	202	PEB	CHA-C1B	3.48	1.48	1.40
31	k6	201	PEB	CHA-C1B	3.48	1.48	1.40
31	h8	201	PEB	C2C-C3C	3.48	1.48	1.37
31	D4	202	PEB	C2C-C3C	3.48	1.48	1.37
31	J4	202	PEB	C2C-C3C	3.48	1.48	1.37
31	x8	303	PEB	CHA-C1B	3.48	1.48	1.40
31	cE	201	PEB	C1A-NA	-3.48	1.33	1.37
31	A6	305	PEB	C2C-C3C	3.48	1.48	1.37
31	E1	202	PEB	CHA-C1B	3.48	1.48	1.40
31	h4	202	PEB	C2C-C3C	3.48	1.48	1.37
31	M5	201	PEB	C2C-C3C	3.48	1.48	1.37
31	lC	202	PEB	C1A-NA	-3.48	1.33	1.37
31	UI	203	PEB	CHA-C1B	3.48	1.48	1.40
31	dD	203	PEB	C1A-NA	-3.48	1.33	1.37
31	mE	201	PEB	C1A-NA	-3.48	1.33	1.37
31	MF	203	PEB	CHA-C1B	3.48	1.48	1.40
31	Y8	203	PEB	CHA-C1B	3.48	1.48	1.40
31	NG	202	PEB	C2C-C3C	3.48	1.48	1.37
31	PC	201	PEB	C2A-C1A	-3.48	1.49	1.52
31	PD	202	PEB	C2A-C1A	-3.48	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	RG	202	PEB	C2C-C3C	3.48	1.48	1.37
31	H4	201	PEB	C2C-C3C	3.48	1.48	1.37
31	IG	202	PEB	C1A-NA	-3.48	1.33	1.37
31	c2	202	PEB	C1A-NA	-3.48	1.33	1.37
31	i4	202	PEB	C2C-C3C	3.48	1.48	1.37
31	C8	202	PEB	C2C-C3C	3.48	1.48	1.37
31	B1	201	PEB	C1A-NA	-3.48	1.33	1.37
31	QA	203	PEB	CHA-C1B	3.48	1.48	1.40
31	AC	302	PEB	C2C-C3C	3.48	1.48	1.37
31	gB	201	PEB	C2C-C3C	3.48	1.48	1.37
31	xF	304	PEB	CHA-C1B	3.48	1.48	1.40
31	FA	201	PEB	C2A-C1A	-3.48	1.49	1.52
31	g4	201	PEB	C1A-NA	-3.48	1.33	1.37
31	N4	202	PEB	C2C-C3C	3.48	1.48	1.37
31	Y7	501	PEB	C2C-C3C	3.48	1.48	1.37
31	l8	202	PEB	C2C-C3C	3.48	1.48	1.37
31	AB	301	PEB	CHA-C1B	3.48	1.48	1.40
31	CF	203	PEB	CHA-C1B	3.48	1.48	1.40
31	WA	401	PEB	C2C-C3C	3.48	1.48	1.37
31	A1	202	PEB	CHA-C1B	3.48	1.48	1.40
31	EG	202	PEB	C2C-C3C	3.48	1.48	1.37
31	QD	203	PEB	C1A-NA	-3.48	1.33	1.37
31	kE	202	PEB	C1A-NA	-3.48	1.33	1.37
31	ZA	203	PEB	C2C-C3C	3.48	1.48	1.37
31	J5	202	PEB	C2C-C3C	3.48	1.48	1.37
31	ID	201	PEB	CHA-C1B	3.48	1.48	1.40
31	NE	201	PEB	C2C-C3C	3.47	1.48	1.37
31	P5	203	PEB	C1A-NA	-3.47	1.33	1.37
31	w8	303	PEB	C1A-NA	-3.47	1.33	1.37
31	dA	202	PEB	C1A-NA	-3.47	1.33	1.37
31	AH	301	PEB	C2C-C3C	3.47	1.48	1.37
31	T5	202	PEB	C2C-C3C	3.47	1.48	1.37
31	AE	301	PEB	CHA-C1B	3.47	1.48	1.40
31	k2	201	PEB	CHA-C1B	3.47	1.48	1.40
31	EF	201	PEB	C1A-NA	-3.47	1.33	1.37
31	h4	202	PEB	C1A-NA	-3.47	1.33	1.37
31	n8	202	PEB	C1A-NA	-3.47	1.33	1.37
31	PE	202	PEB	C2A-C1A	-3.47	1.49	1.52
31	A8	202	PEB	C2C-C3C	3.47	1.48	1.37
31	S7	201	PEB	CHA-C1B	3.47	1.48	1.40
31	SB	201	PEB	C1A-NA	-3.47	1.33	1.37
31	VE	202	PEB	C1A-NA	-3.47	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HK	201	PEB	C1A-NA	-3.47	1.33	1.37
31	XG	202	PEB	C2C-C3C	3.47	1.48	1.37
31	dH	202	PEB	C2C-C3C	3.47	1.48	1.37
31	v8	201	PEB	C2A-C1A	-3.47	1.49	1.52
31	FC	1002	PEB	C2C-C3C	3.47	1.48	1.37
31	h4	202	PEB	CHA-C1B	3.47	1.48	1.40
31	EF	202	PEB	C1A-NA	-3.47	1.33	1.37
31	CG	202	PEB	C2C-C3C	3.47	1.48	1.37
31	O2	202	PEB	C2C-C3C	3.47	1.48	1.37
31	e4	201	PEB	C2C-C3C	3.47	1.48	1.37
31	SD	201	PEB	C1A-NA	-3.47	1.33	1.37
31	U7	202	PEB	C1A-NA	-3.47	1.33	1.37
31	GH	201	PEB	CHA-C1B	3.47	1.48	1.40
31	SJ	202	PEB	C2C-C3C	3.47	1.48	1.37
31	gB	203	PEB	C2C-C3C	3.47	1.48	1.37
31	R4	202	PEB	C2C-C3C	3.47	1.48	1.37
32	AE	303	PUB	C3B-C2B	3.47	1.48	1.37
31	A1	202	PEB	OD-C4D	3.47	1.30	1.23
31	EJ	202	PEB	C2A-C1A	-3.47	1.49	1.52
31	W4	202	PEB	CHA-C1B	3.47	1.48	1.40
31	E8	201	PEB	C1A-NA	-3.47	1.33	1.37
31	A5	302	PEB	C2C-C3C	3.47	1.48	1.37
31	f8	202	PEB	CHA-C1B	3.47	1.48	1.40
31	KK	201	PEB	C2C-C3C	3.47	1.48	1.37
32	YK	304	PUB	C3B-C2B	3.47	1.47	1.37
31	iD	201	PEB	C1A-NA	-3.47	1.33	1.37
31	J8	202	PEB	C2C-C3C	3.47	1.47	1.37
31	hF	201	PEB	C2C-C3C	3.47	1.47	1.37
31	KG	201	PEB	C3C-C4C	3.47	1.47	1.42
31	jE	202	PEB	C1A-NA	-3.47	1.33	1.37
31	IG	203	PEB	C3C-C4C	3.47	1.47	1.42
31	DF	201	PEB	CHA-C1B	3.47	1.48	1.40
31	A5	301	PEB	CHA-C1B	3.47	1.48	1.40
31	J4	201	PEB	C2C-C3C	3.47	1.47	1.37
31	aE	201	PEB	CHA-C1B	3.47	1.48	1.40
31	g6	203	PEB	C2C-C3C	3.47	1.47	1.37
31	lF	202	PEB	C2C-C3C	3.47	1.47	1.37
31	g6	201	PEB	C2C-C3C	3.47	1.47	1.37
31	S7	201	PEB	C2C-C3C	3.47	1.47	1.37
31	lF	203	PEB	CHA-C1B	3.47	1.48	1.40
31	hE	203	PEB	C1A-NA	-3.47	1.33	1.37
31	zF	501	PEB	C2C-C3C	3.47	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	EA	501	PEB	CHA-C1B	3.46	1.48	1.40
31	TG	203	PEB	C2C-C3C	3.46	1.47	1.37
31	S4	202	PEB	C1A-NA	-3.46	1.33	1.37
31	dD	204	PEB	C1A-NA	-3.46	1.33	1.37
31	dE	201	PEB	CHA-C1B	3.46	1.48	1.40
31	Q8	203	PEB	C4B-NB	-3.46	1.31	1.38
31	m4	201	PEB	C1A-NA	-3.46	1.33	1.37
31	A6	304	PEB	C1A-NA	-3.46	1.33	1.37
31	D4	201	PEB	C2C-C3C	3.46	1.47	1.37
31	iC	201	PEB	C2C-C3C	3.46	1.47	1.37
31	I8	201	PEB	CMB-C2B	-3.46	1.43	1.50
31	HG	202	PEB	CHA-C1B	3.46	1.48	1.40
31	lC	202	PEB	CHA-C1B	3.46	1.48	1.40
31	AE	304	PEB	C2C-C3C	3.46	1.47	1.37
31	PG	202	PEB	C2C-C3C	3.46	1.47	1.37
31	JJ	202	PEB	C2C-C3C	3.46	1.47	1.37
31	bE	201	PEB	C2C-C3C	3.46	1.47	1.37
31	XA	201	PEB	CHA-C1B	3.46	1.48	1.40
31	AJ	302	PEB	C2C-C3C	3.46	1.47	1.37
31	bB	202	PEB	C2C-C3C	3.46	1.47	1.37
31	kC	201	PEB	C2C-C3C	3.46	1.47	1.37
31	IG	202	PEB	C2C-C3C	3.46	1.47	1.37
33	GB	1001	CYC	C3D-C2D	3.46	1.47	1.37
31	H7	202	PEB	C1A-NA	-3.46	1.33	1.37
31	AD	304	PEB	CHA-C1B	3.46	1.48	1.40
31	l2	203	PEB	C2C-C3C	3.46	1.47	1.37
31	J6	1002	PEB	C1A-NA	-3.46	1.33	1.37
31	A7	202	PEB	C1A-NA	-3.46	1.33	1.37
33	FB	1001	CYC	CHB-C4A	3.46	1.48	1.40
31	DC	1002	PEB	C2C-C3C	3.46	1.47	1.37
31	JI	201	PEB	C4B-C3B	3.46	1.51	1.45
31	jD	202	PEB	C2C-C3C	3.46	1.47	1.37
31	PK	203	PEB	C2C-C3C	3.46	1.47	1.37
31	z8	501	PEB	C2C-C3C	3.46	1.47	1.37
31	gA	203	PEB	C2C-C3C	3.46	1.47	1.37
31	cB	203	PEB	C2C-C3C	3.46	1.47	1.37
31	ZA	202	PEB	C2C-C3C	3.46	1.47	1.37
31	VG	202	PEB	C1A-NA	-3.46	1.33	1.37
31	lD	202	PEB	C1A-NA	-3.46	1.33	1.37
31	TJ	203	PEB	CHA-C1B	3.46	1.48	1.40
31	Y1	301	PEB	CHA-C1B	3.46	1.48	1.40
31	gC	201	PEB	C2C-C3C	3.46	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	fE	202	PEB	C2C-C3C	3.46	1.47	1.37
31	mD	202	PEB	CHA-C1B	3.46	1.48	1.40
31	lE	201	PEB	CHA-C1B	3.46	1.48	1.40
31	JJ	201	PEB	C1A-NA	-3.46	1.33	1.37
31	dC	202	PEB	C2C-C3C	3.46	1.47	1.37
31	P6	203	PEB	C1A-NA	-3.46	1.33	1.37
31	E7	203	PEB	C1A-NA	-3.46	1.33	1.37
31	dB	202	PEB	C1A-NA	-3.46	1.33	1.37
31	L1	201	PEB	C2A-C1A	-3.46	1.49	1.52
31	OF	203	PEB	C2C-C3C	3.46	1.47	1.37
31	bD	202	PEB	C2C-C3C	3.46	1.47	1.37
31	I4	203	PEB	CHA-C1B	3.46	1.48	1.40
31	U7	201	PEB	C2C-C3C	3.46	1.47	1.37
31	K7	201	PEB	C1A-NA	-3.46	1.33	1.37
31	AG	202	PEB	C2C-C3C	3.46	1.47	1.37
31	L4	202	PEB	C2C-C3C	3.46	1.47	1.37
31	b2	202	PEB	CHA-C1B	3.45	1.48	1.40
33	x3	1001	CYC	CHB-C4A	3.45	1.48	1.40
33	JC	1003	CYC	C1C-NC	-3.45	1.33	1.37
31	VD	201	PEB	C2C-C3C	3.45	1.47	1.37
31	BF	202	PEB	C2C-C3C	3.45	1.47	1.37
31	DH	202	PEB	C2C-C3C	3.45	1.47	1.37
31	kH	202	PEB	C2C-C3C	3.45	1.47	1.37
31	V2	202	PEB	C2C-C3C	3.45	1.47	1.37
31	iE	201	PEB	C2C-C3C	3.45	1.47	1.37
31	e8	203	PEB	C1A-NA	-3.45	1.33	1.37
31	V2	201	PEB	C2C-C3C	3.45	1.47	1.37
31	OJ	201	PEB	C2C-C3C	3.45	1.47	1.37
31	iC	202	PEB	C2C-C3C	3.45	1.47	1.37
31	c8	203	PEB	C1A-NA	-3.45	1.33	1.37
31	M8	202	PEB	CHA-C1B	3.45	1.48	1.40
31	qF	203	PEB	C1A-NA	-3.45	1.33	1.37
31	xF	302	PEB	CHA-C1B	3.45	1.48	1.40
31	T6	201	PEB	C2A-C1A	-3.45	1.49	1.52
31	Y7	502	PEB	C2A-C1A	-3.45	1.49	1.52
31	Z4	201	PEB	C2C-C3C	3.45	1.47	1.37
31	JB	1002	PEB	C1A-NA	-3.45	1.33	1.37
31	VK	203	PEB	C1A-NA	-3.45	1.33	1.37
31	UA	301	PEB	C2C-C3C	3.45	1.47	1.37
31	WE	202	PEB	C2C-C3C	3.45	1.47	1.37
31	BA	203	PEB	CHA-C1B	3.45	1.48	1.40
31	x8	304	PEB	CHA-C1B	3.45	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	QC	203	PEB	C1A-NA	-3.45	1.33	1.37
31	V5	203	PEB	C1A-NA	-3.45	1.33	1.37
31	c6	203	PEB	C2C-C3C	3.45	1.47	1.37
31	LD	1002	PEB	CHA-C1B	3.45	1.48	1.40
31	JI	202	PEB	CHA-C1B	3.45	1.48	1.40
31	Q4	204	PEB	CHA-C1B	3.45	1.48	1.40
31	AB	301	PEB	C2C-C3C	3.45	1.47	1.37
31	ID	203	PEB	C2C-C3C	3.45	1.47	1.37
32	ZI	302	PUB	OD-C4D	3.45	1.30	1.23
31	GH	202	PEB	C2C-C3C	3.45	1.47	1.37
31	AH	302	PEB	C1A-NA	-3.45	1.33	1.37
31	VJ	203	PEB	C1A-NA	-3.45	1.33	1.37
31	b6	202	PEB	C2C-C3C	3.45	1.47	1.37
31	rF	202	PEB	C2C-C3C	3.45	1.47	1.37
31	AD	301	PEB	CHA-C1B	3.45	1.48	1.40
31	O2	203	PEB	C1A-NA	-3.45	1.33	1.37
31	a4	201	PEB	C2C-C3C	3.45	1.47	1.37
31	XG	201	PEB	C2C-C3C	3.45	1.47	1.37
31	S2	202	PEB	CHA-C1B	3.45	1.48	1.40
31	TF	202	PEB	C2C-C3C	3.45	1.47	1.37
31	KG	203	PEB	C2C-C3C	3.45	1.47	1.37
31	O4	201	PEB	C2A-C1A	-3.45	1.49	1.52
31	A7	203	PEB	CHC-C4C	3.45	1.58	1.50
31	e6	201	PEB	C1A-NA	-3.45	1.33	1.37
31	KF	202	PEB	C2C-C3C	3.44	1.47	1.37
31	EG	201	PEB	C2C-C3C	3.44	1.47	1.37
31	IH	203	PEB	C1A-NA	-3.44	1.33	1.37
31	DF	201	PEB	C2A-C1A	-3.44	1.49	1.52
31	V9	201	PEB	C2A-C1A	-3.44	1.49	1.52
31	FI	203	PEB	C2C-C3C	3.44	1.47	1.37
31	m4	202	PEB	C2C-C3C	3.44	1.47	1.37
31	Y8	202	PEB	C2C-C3C	3.44	1.47	1.37
31	cD	201	PEB	C2C-C3C	3.44	1.47	1.37
31	OJ	201	PEB	C1A-NA	-3.44	1.33	1.37
31	m6	201	PEB	C1A-NA	-3.44	1.33	1.37
33	MB	1001	CYC	C1C-NC	-3.44	1.33	1.37
31	S5	202	PEB	C2C-C3C	3.44	1.47	1.37
31	HJ	203	PEB	CHA-C1B	3.44	1.48	1.40
31	j4	202	PEB	CHA-C1B	3.44	1.48	1.40
31	SH	201	PEB	C2C-C3C	3.44	1.47	1.37
31	T6	203	PEB	CHA-C1B	3.44	1.48	1.40
31	B8	202	PEB	C2C-C3C	3.44	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	PJ	202	PEB	C2A-C1A	-3.44	1.49	1.52
31	k2	201	PEB	C2C-C3C	3.44	1.47	1.37
31	lC	201	PEB	C2C-C3C	3.44	1.47	1.37
31	NG	201	PEB	C2C-C3C	3.44	1.47	1.37
31	G7	201	PEB	CHA-C1B	3.44	1.48	1.40
31	KG	203	PEB	C1A-NA	-3.44	1.33	1.37
31	OD	202	PEB	C2C-C3C	3.44	1.47	1.37
31	dD	203	PEB	C2C-C3C	3.44	1.47	1.37
31	U5	202	PEB	C2C-C3C	3.44	1.47	1.37
31	T5	203	PEB	CHA-C1B	3.44	1.48	1.40
31	r8	201	PEB	CHA-C1B	3.44	1.48	1.40
31	FH	201	PEB	C2C-C3C	3.44	1.47	1.37
31	Y4	202	PEB	C2C-C3C	3.44	1.47	1.37
31	UC	201	PEB	C1A-NA	-3.44	1.33	1.37
31	X4	201	PEB	C1A-NA	-3.44	1.33	1.37
31	i2	202	PEB	C2C-C3C	3.44	1.47	1.37
31	j4	203	PEB	C1A-NA	-3.44	1.33	1.37
31	ZD	201	PEB	C2C-C3C	3.44	1.47	1.37
31	UK	202	PEB	C2C-C3C	3.44	1.47	1.37
31	m2	201	PEB	C2C-C3C	3.44	1.47	1.37
31	AH	301	PEB	C1A-NA	-3.44	1.33	1.37
31	cA	402	PEB	C1A-NA	-3.44	1.33	1.37
31	cD	201	PEB	C1A-NA	-3.44	1.33	1.37
31	EH	202	PEB	C2C-C3C	3.44	1.47	1.37
31	f2	201	PEB	C2C-C3C	3.44	1.47	1.37
31	R7	201	PEB	C2C-C3C	3.44	1.47	1.37
31	LG	202	PEB	CHA-C1B	3.44	1.48	1.40
32	A4	303	PUB	C3B-C2B	3.44	1.47	1.37
31	jD	201	PEB	CHA-C1B	3.44	1.48	1.40
31	OG	203	PEB	C1A-NA	-3.44	1.33	1.37
31	UI	203	PEB	C1A-NA	-3.44	1.33	1.37
31	MA	202	PEB	C2C-C3C	3.44	1.47	1.37
31	fH	201	PEB	C2C-C3C	3.44	1.47	1.37
31	I7	203	PEB	C1A-NA	-3.44	1.33	1.37
31	EH	202	PEB	C2A-C1A	-3.44	1.49	1.52
31	LJ	203	PEB	C2C-C3C	3.44	1.47	1.37
31	PH	202	PEB	C2C-C3C	3.44	1.47	1.37
31	SC	202	PEB	CHA-C1B	3.44	1.48	1.40
31	iF	203	PEB	CHA-C1B	3.44	1.48	1.40
32	AD	303	PUB	C3B-C2B	3.44	1.47	1.37
31	GG	202	PEB	C2C-C3C	3.44	1.47	1.37
31	WA	401	PEB	CHA-C1B	3.44	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	KH	202	PEB	CHA-C1B	3.44	1.48	1.40
31	H7	201	PEB	C2C-C3C	3.44	1.47	1.37
31	EF	202	PEB	C2C-C3C	3.43	1.47	1.37
31	UK	201	PEB	CHA-C1B	3.43	1.48	1.40
31	O9	201	PEB	CHA-C1B	3.43	1.48	1.40
31	QF	203	PEB	C4B-NB	-3.43	1.31	1.38
31	k4	201	PEB	C1A-NA	-3.43	1.33	1.37
31	v8	202	PEB	C2C-C3C	3.43	1.47	1.37
31	l8	203	PEB	CHA-C1B	3.43	1.48	1.40
31	PG	201	PEB	C2C-C3C	3.43	1.47	1.37
31	ZA	202	PEB	C1A-NA	-3.43	1.33	1.37
31	JK	201	PEB	C1A-NA	-3.43	1.33	1.37
31	rF	201	PEB	C2C-C3C	3.43	1.47	1.37
31	RC	201	PEB	C2C-C3C	3.43	1.47	1.37
31	YI	203	PEB	C2C-C3C	3.43	1.47	1.37
31	fD	201	PEB	C2C-C3C	3.43	1.47	1.37
31	S7	202	PEB	C2C-C3C	3.43	1.47	1.37
31	O9	201	PEB	C2C-C3C	3.43	1.47	1.37
31	f6	202	PEB	C1A-NA	-3.43	1.33	1.37
31	Z8	201	PEB	CHA-C1B	3.43	1.48	1.40
31	KA	301	PEB	C2A-C1A	-3.43	1.49	1.52
31	AF	201	PEB	C2C-C3C	3.43	1.47	1.37
31	L5	203	PEB	C2C-C3C	3.43	1.47	1.37
31	Q7	203	PEB	C2C-C3C	3.43	1.47	1.37
31	AG	201	PEB	C2C-C3C	3.43	1.47	1.37
31	W4	201	PEB	C2C-C3C	3.43	1.47	1.37
31	C8	203	PEB	CHA-C1B	3.43	1.48	1.40
31	DF	203	PEB	C2A-C1A	-3.43	1.49	1.52
31	h2	202	PEB	C2C-C3C	3.43	1.47	1.37
31	EK	201	PEB	CHA-C1B	3.43	1.48	1.40
32	Y1	304	PUB	C3B-C2B	3.43	1.47	1.37
31	WD	201	PEB	C2C-C3C	3.43	1.47	1.37
31	NF	201	PEB	C2C-C3C	3.43	1.47	1.37
31	i2	201	PEB	CHA-C1B	3.43	1.48	1.40
31	T7	201	PEB	C2C-C3C	3.43	1.47	1.37
31	UB	202	PEB	C1A-NA	-3.43	1.33	1.37
31	ZI	303	PEB	C1A-NA	-3.43	1.33	1.37
31	U6	202	PEB	C1A-NA	-3.43	1.33	1.37
31	XF	201	PEB	CHA-C1B	3.43	1.48	1.40
31	Y9	201	PEB	C2C-C3C	3.43	1.47	1.37
31	HI	202	PEB	CHA-C1B	3.43	1.48	1.40
31	R6	202	PEB	CHA-C1B	3.43	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aB	202	PEB	CHA-C1B	3.43	1.48	1.40
31	h2	201	PEB	C2C-C3C	3.43	1.47	1.37
33	BD	1002	CYC	C1B-NB	-3.43	1.32	1.37
31	dD	201	PEB	CHA-C1B	3.43	1.48	1.40
31	xF	303	PEB	CHA-C1B	3.43	1.48	1.40
31	QA	202	PEB	C2C-C3C	3.43	1.47	1.37
31	UB	202	PEB	C2C-C3C	3.43	1.47	1.37
31	AF	202	PEB	C1A-NA	-3.43	1.33	1.37
31	YJ	202	PEB	C1A-NA	-3.43	1.33	1.37
31	CH	202	PEB	CHA-C1B	3.43	1.48	1.40
31	hH	202	PEB	CHA-C1B	3.43	1.48	1.40
31	NA	202	PEB	C2C-C3C	3.43	1.47	1.37
31	P1	203	PEB	C2C-C3C	3.43	1.47	1.37
31	PJ	203	PEB	C1A-NA	-3.43	1.33	1.37
31	R5	203	PEB	C1A-NA	-3.43	1.33	1.37
31	M7	203	PEB	C1A-NA	-3.43	1.33	1.37
31	CG	201	PEB	C2C-C3C	3.43	1.47	1.37
31	SI	203	PEB	C2C-C3C	3.42	1.47	1.37
31	eB	203	PEB	C2C-C3C	3.42	1.47	1.37
31	N5	204	PEB	C1A-NA	-3.42	1.33	1.37
31	a2	201	PEB	C2C-C3C	3.42	1.47	1.37
31	RH	202	PEB	C2C-C3C	3.42	1.47	1.37
31	Y7	504	PEB	C2C-C3C	3.42	1.47	1.37
31	W9	202	PEB	C2C-C3C	3.42	1.47	1.37
31	W2	201	PEB	C1A-NA	-3.42	1.33	1.37
31	c2	201	PEB	CHA-C1B	3.42	1.48	1.40
31	V4	202	PEB	C2C-C3C	3.42	1.47	1.37
31	kF	201	PEB	C2C-C3C	3.42	1.47	1.37
31	E1	201	PEB	CHA-C1B	3.42	1.48	1.40
31	RG	201	PEB	C2C-C3C	3.42	1.47	1.37
31	b2	202	PEB	C1A-NA	-3.42	1.33	1.37
31	T4	202	PEB	C2C-C3C	3.42	1.47	1.37
31	VF	201	PEB	C2C-C3C	3.42	1.47	1.37
31	KG	202	PEB	C2C-C3C	3.42	1.47	1.37
31	e1	301	PEB	C2C-C3C	3.42	1.47	1.37
31	EK	202	PEB	CHA-C1B	3.42	1.48	1.40
31	KA	304	PEB	C1A-NA	-3.42	1.33	1.37
31	MI	301	PEB	C1A-NA	-3.42	1.33	1.37
31	BA	202	PEB	C2A-C1A	-3.42	1.49	1.52
31	dD	204	PEB	CHA-C1B	3.42	1.48	1.40
31	HE	1002	PEB	C2C-C3C	3.42	1.47	1.37
31	DE	1002	PEB	CHA-C1B	3.42	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A1	201	PEB	CHA-C1B	3.42	1.48	1.40
31	LH	201	PEB	C2C-C3C	3.42	1.47	1.37
31	H1	201	PEB	C2C-C3C	3.42	1.47	1.37
33	Q3	1001	CYC	O1D-CGD	3.42	1.33	1.22
31	QF	202	PEB	C1A-NA	-3.42	1.33	1.37
31	j6	202	PEB	C1A-NA	-3.42	1.33	1.37
31	FC	1002	PEB	C2A-C1A	-3.42	1.49	1.52
31	e6	203	PEB	C2C-C3C	3.42	1.47	1.37
31	k8	201	PEB	C2C-C3C	3.42	1.47	1.37
32	A6	303	PUB	C3B-C2B	3.42	1.47	1.37
31	H6	1002	PEB	CHA-C1B	3.42	1.48	1.40
31	M8	203	PEB	CHA-C1B	3.42	1.48	1.40
31	x8	302	PEB	CHA-C1B	3.42	1.48	1.40
31	AE	301	PEB	C2C-C3C	3.42	1.47	1.37
31	VG	201	PEB	C2C-C3C	3.42	1.47	1.37
31	aC	201	PEB	C2C-C3C	3.42	1.47	1.37
31	D8	203	PEB	C1A-NA	-3.42	1.33	1.37
31	R6	202	PEB	C2A-C1A	-3.42	1.49	1.52
31	p8	201	PEB	CHA-C1B	3.42	1.48	1.40
31	D2	1002	PEB	C2C-C3C	3.42	1.47	1.37
31	e6	201	PEB	C2C-C3C	3.42	1.47	1.37
31	mD	202	PEB	C1A-NA	-3.42	1.33	1.37
31	W2	203	PEB	CHA-C1B	3.42	1.48	1.40
31	U6	202	PEB	C2C-C3C	3.42	1.47	1.37
31	aE	201	PEB	C2C-C3C	3.42	1.47	1.37
31	SC	202	PEB	C1A-NA	-3.42	1.33	1.37
31	MI	305	PEB	C2C-C3C	3.42	1.47	1.37
31	s8	202	PEB	C2C-C3C	3.42	1.47	1.37
31	O4	202	PEB	CHA-C1B	3.42	1.48	1.40
31	LD	1002	PEB	C2C-C3C	3.42	1.47	1.37
31	Y8	203	PEB	C1A-NA	-3.42	1.33	1.37
31	fC	203	PEB	C2C-C3C	3.42	1.47	1.37
31	I7	201	PEB	C2C-C3C	3.42	1.47	1.37
31	K9	202	PEB	C2C-C3C	3.42	1.47	1.37
31	c8	201	PEB	C1A-NA	-3.42	1.33	1.37
31	eD	203	PEB	C1A-NA	-3.42	1.33	1.37
31	AF	202	PEB	C2C-C3C	3.42	1.47	1.37
31	MJ	201	PEB	C2C-C3C	3.42	1.47	1.37
31	S6	202	PEB	C2C-C3C	3.42	1.47	1.37
31	aD	201	PEB	C2C-C3C	3.42	1.47	1.37
31	IG	201	PEB	C2C-C3C	3.42	1.47	1.37
31	TG	202	PEB	C2C-C3C	3.42	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	VC	202	PEB	C2C-C3C	3.42	1.47	1.37
31	HD	1002	PEB	C2C-C3C	3.42	1.47	1.37
31	E4	203	PEB	C2C-C3C	3.42	1.47	1.37
31	O7	201	PEB	C2C-C3C	3.42	1.47	1.37
31	Q7	201	PEB	C2C-C3C	3.42	1.47	1.37
31	V9	202	PEB	C2C-C3C	3.42	1.47	1.37
31	B9	201	PEB	C2C-C3C	3.42	1.47	1.37
31	VD	202	PEB	C1A-NA	-3.42	1.33	1.37
31	OI	201	PEB	C1A-NA	-3.42	1.33	1.37
31	SA	202	PEB	CHA-C1B	3.41	1.48	1.40
31	M7	203	PEB	CHA-C1B	3.41	1.48	1.40
31	FA	201	PEB	C1A-NA	-3.41	1.33	1.37
31	H5	201	PEB	C1A-NA	-3.41	1.33	1.37
31	aH	201	PEB	CHA-C1B	3.41	1.48	1.40
31	g8	203	PEB	CHA-C1B	3.41	1.48	1.40
31	ZE	201	PEB	C2C-C3C	3.41	1.47	1.37
33	h3	1001	CYC	O1D-CGD	3.41	1.33	1.22
31	Z4	202	PEB	C2C-C3C	3.41	1.47	1.37
31	r8	202	PEB	C2C-C3C	3.41	1.47	1.37
33	I3	1001	CYC	O1D-CGD	3.41	1.33	1.22
31	PA	201	PEB	CHA-C1B	3.41	1.48	1.40
31	RC	202	PEB	C2C-C3C	3.41	1.47	1.37
31	eB	201	PEB	C2C-C3C	3.41	1.47	1.37
31	iE	202	PEB	C1A-NA	-3.41	1.33	1.37
31	E4	203	PEB	CHA-C1B	3.41	1.48	1.40
31	W9	203	PEB	CHA-C1B	3.41	1.48	1.40
31	P2	201	PEB	C2A-C1A	-3.41	1.49	1.52
31	f2	203	PEB	C2C-C3C	3.41	1.47	1.37
31	i6	202	PEB	CHA-C1B	3.41	1.48	1.40
31	OI	203	PEB	C1A-NA	-3.41	1.33	1.37
31	Y2	202	PEB	C1A-NA	-3.41	1.33	1.37
31	R9	202	PEB	C1A-NA	-3.41	1.33	1.37
31	G8	203	PEB	C2C-C3C	3.41	1.47	1.37
31	A4	301	PEB	CHA-C1B	3.41	1.48	1.40
31	jB	201	PEB	C2C-C3C	3.41	1.47	1.37
31	V4	201	PEB	C2C-C3C	3.41	1.47	1.37
31	WF	203	PEB	CHA-C1B	3.41	1.48	1.40
31	W8	203	PEB	CHA-C1B	3.41	1.48	1.40
31	O4	201	PEB	C2C-C3C	3.41	1.47	1.37
31	iE	201	PEB	C1A-NA	-3.41	1.33	1.37
33	H3	1001	CYC	O1D-CGD	3.41	1.33	1.22
31	Z8	202	PEB	CHA-C1B	3.41	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	dE	204	PEB	CHA-C1B	3.41	1.48	1.40
31	M7	201	PEB	C2C-C3C	3.41	1.47	1.37
31	O8	202	PEB	C2C-C3C	3.41	1.47	1.37
31	G4	201	PEB	C2C-C3C	3.41	1.47	1.37
31	aH	202	PEB	C2C-C3C	3.41	1.47	1.37
31	U2	203	PEB	C1A-NA	-3.41	1.33	1.37
31	d6	202	PEB	C1A-NA	-3.41	1.33	1.37
31	C7	203	PEB	C1A-NA	-3.41	1.33	1.37
33	F6	1001	CYC	CHB-C4A	3.41	1.48	1.40
33	73	1001	CYC	O1D-CGD	3.41	1.33	1.22
31	A7	201	PEB	CHA-C1B	3.41	1.48	1.40
31	VE	201	PEB	C2C-C3C	3.41	1.47	1.37
31	F4	202	PEB	C2C-C3C	3.41	1.47	1.37
31	dE	204	PEB	C1A-NA	-3.41	1.33	1.37
33	IB	1001	CYC	C1C-NC	-3.41	1.33	1.37
31	D8	203	PEB	C2A-C1A	-3.41	1.49	1.52
31	JG	202	PEB	C2C-C3C	3.41	1.47	1.37
33	CE	1001	CYC	C3D-C2D	3.41	1.47	1.37
31	MF	202	PEB	CHA-C1B	3.41	1.48	1.40
31	A6	301	PEB	C2C-C3C	3.41	1.47	1.37
31	l2	203	PEB	C1A-NA	-3.41	1.33	1.37
33	B3	1001	CYC	O1D-CGD	3.41	1.33	1.22
31	GK	202	PEB	C2C-C3C	3.41	1.47	1.37
31	i2	201	PEB	C2C-C3C	3.41	1.47	1.37
31	lC	202	PEB	C2C-C3C	3.41	1.47	1.37
31	AJ	301	PEB	CHA-C1B	3.41	1.48	1.40
31	S2	201	PEB	CHA-C1B	3.41	1.48	1.40
33	q3	1001	CYC	O1D-CGD	3.41	1.33	1.22
31	U1	201	PEB	CHA-C1B	3.41	1.48	1.40
31	L6	1002	PEB	CHA-C1B	3.41	1.48	1.40
31	YF	201	PEB	C1A-NA	-3.41	1.33	1.37
31	b7	502	PEB	C2C-C3C	3.41	1.47	1.37
33	W3	1001	CYC	C3D-C2D	3.41	1.47	1.37
31	eD	202	PEB	CHA-C1B	3.41	1.48	1.40
31	M9	302	PEB	C2C-C3C	3.41	1.47	1.37
33	f3	1001	CYC	O1D-CGD	3.41	1.33	1.22
31	mE	202	PEB	CHA-C1B	3.41	1.48	1.40
31	j6	201	PEB	C2C-C3C	3.41	1.47	1.37
33	j3	1001	CYC	O1D-CGD	3.40	1.33	1.22
31	I1	201	PEB	CHA-C1B	3.40	1.48	1.40
31	a4	201	PEB	CHA-C1B	3.40	1.48	1.40
31	O8	203	PEB	C1A-NA	-3.40	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	dD	202	PEB	C1A-NA	-3.40	1.33	1.37
31	RF	202	PEB	C2C-C3C	3.40	1.47	1.37
31	YF	203	PEB	CHA-C1B	3.40	1.48	1.40
31	FK	201	PEB	C2C-C3C	3.40	1.47	1.37
31	G7	201	PEB	C1A-NA	-3.40	1.33	1.37
31	N8	201	PEB	C2C-C3C	3.40	1.47	1.37
31	mC	201	PEB	C2C-C3C	3.40	1.47	1.37
31	TB	203	PEB	CHA-C1B	3.40	1.48	1.40
31	fC	201	PEB	C2C-C3C	3.40	1.47	1.37
31	r8	202	PEB	C1A-NA	-3.40	1.33	1.37
31	G4	202	PEB	C1A-NA	-3.40	1.33	1.37
31	cC	202	PEB	C1A-NA	-3.40	1.33	1.37
33	FC	1001	CYC	C1C-NC	-3.40	1.33	1.37
31	J2	1002	PEB	C2C-C3C	3.40	1.47	1.37
31	PE	202	PEB	C2C-C3C	3.40	1.47	1.37
31	cF	201	PEB	C2C-C3C	3.40	1.47	1.37
32	MI	303	PUB	OD-C4D	3.40	1.30	1.23
31	MI	304	PEB	C1A-NA	-3.40	1.33	1.37
31	O5	201	PEB	C1A-NA	-3.40	1.33	1.37
33	F2	1001	CYC	C1C-NC	-3.40	1.33	1.37
31	l6	202	PEB	C2C-C3C	3.40	1.47	1.37
31	RB	202	PEB	CHA-C1B	3.40	1.48	1.40
31	VC	201	PEB	C1A-NA	-3.40	1.33	1.37
31	g6	201	PEB	C1A-NA	-3.40	1.33	1.37
31	vF	202	PEB	C2C-C3C	3.40	1.47	1.37
32	AH	303	PUB	C3B-C2B	3.40	1.47	1.37
31	d6	201	PEB	CHA-C1B	3.40	1.48	1.40
31	F7	201	PEB	C2C-C3C	3.40	1.47	1.37
31	M7	203	PEB	C2C-C3C	3.40	1.47	1.37
31	V8	201	PEB	C2C-C3C	3.40	1.47	1.37
33	w3	1001	CYC	O1D-CGD	3.40	1.33	1.22
31	o8	202	PEB	OD-C4D	3.40	1.30	1.23
31	ZC	202	PEB	C2C-C3C	3.40	1.47	1.37
31	l6	201	PEB	C2C-C3C	3.40	1.47	1.37
31	C9	202	PEB	C2C-C3C	3.40	1.47	1.37
31	hD	202	PEB	C2C-C3C	3.40	1.47	1.37
31	hE	202	PEB	C2C-C3C	3.40	1.47	1.37
31	T9	202	PEB	C2C-C3C	3.40	1.47	1.37
33	y3	1001	CYC	C3D-C2D	3.40	1.47	1.37
31	S1	202	PEB	C2C-C3C	3.40	1.47	1.37
31	WD	202	PEB	C2C-C3C	3.40	1.47	1.37
31	A9	202	PEB	C2C-C3C	3.40	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	kD	202	PEB	C2C-C3C	3.40	1.47	1.37
31	fH	202	PEB	CHA-C1B	3.40	1.48	1.40
31	F6	1002	PEB	C2A-C1A	-3.40	1.49	1.52
31	LE	1002	PEB	C2C-C3C	3.40	1.47	1.37
31	iD	202	PEB	C1A-NA	-3.40	1.33	1.37
31	bB	201	PEB	CHA-C1B	3.40	1.48	1.40
31	I9	202	PEB	C2C-C3C	3.40	1.47	1.37
31	J9	201	PEB	C2C-C3C	3.40	1.47	1.37
31	U8	201	PEB	C3B-C2B	3.40	1.43	1.36
31	HH	201	PEB	C2C-C3C	3.40	1.47	1.37
31	T8	201	PEB	C2C-C3C	3.40	1.47	1.37
33	S3	1001	CYC	O1D-CGD	3.40	1.33	1.22
31	R8	201	PEB	CHA-C1B	3.40	1.48	1.40
31	NB	1002	PEB	C1A-NA	-3.40	1.33	1.37
31	YH	203	PEB	C1A-NA	-3.40	1.33	1.37
31	j4	201	PEB	C1A-NA	-3.40	1.33	1.37
31	hH	202	PEB	C2C-C3C	3.39	1.47	1.37
31	iB	203	PEB	C1A-NA	-3.39	1.33	1.37
33	k3	1001	CYC	O1D-CGD	3.39	1.33	1.22
31	R2	202	PEB	C2C-C3C	3.39	1.47	1.37
31	OF	202	PEB	C2C-C3C	3.39	1.47	1.37
31	bF	202	PEB	C2C-C3C	3.39	1.47	1.37
33	o3	1001	CYC	O1D-CGD	3.39	1.33	1.22
31	IH	203	PEB	C2C-C3C	3.39	1.47	1.37
31	G9	202	PEB	C2C-C3C	3.39	1.47	1.37
31	IA	203	PEB	C2A-C1A	-3.39	1.49	1.52
31	IF	201	PEB	CMB-C2B	-3.39	1.43	1.50
31	I4	203	PEB	C1A-NA	-3.39	1.33	1.37
31	U4	203	PEB	C1A-NA	-3.39	1.33	1.37
31	F5	203	PEB	C1A-NA	-3.39	1.33	1.37
31	aD	202	PEB	C1A-NA	-3.39	1.33	1.37
31	j2	203	PEB	CHA-C1B	3.39	1.48	1.40
31	GF	203	PEB	C2C-C3C	3.39	1.47	1.37
31	U1	202	PEB	C2C-C3C	3.39	1.47	1.37
31	j2	201	PEB	C2C-C3C	3.39	1.47	1.37
31	a4	202	PEB	C2C-C3C	3.39	1.47	1.37
31	K5	201	PEB	C2C-C3C	3.39	1.47	1.37
33	FD	202	CYC	C3D-C2D	3.39	1.47	1.37
31	TC	201	PEB	C1A-NA	-3.39	1.33	1.37
31	Y9	203	PEB	CHA-C1B	3.39	1.48	1.40
31	U6	201	PEB	C2A-C1A	-3.39	1.49	1.52
31	R9	202	PEB	C2C-C3C	3.39	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SK	201	PEB	CHA-C1B	3.39	1.48	1.40
31	SE	201	PEB	C1A-NA	-3.39	1.33	1.37
31	YB	203	PEB	C2C-C3C	3.39	1.47	1.37
31	c6	201	PEB	C2C-C3C	3.39	1.47	1.37
31	S1	201	PEB	CHA-C1B	3.39	1.48	1.40
31	cC	201	PEB	CHA-C1B	3.39	1.48	1.40
31	Q4	204	PEB	C1A-NA	-3.39	1.33	1.37
31	k6	201	PEB	C1A-NA	-3.39	1.33	1.37
31	OC	201	PEB	C2C-C3C	3.39	1.47	1.37
31	K1	201	PEB	C2C-C3C	3.39	1.47	1.37
31	OE	201	PEB	C2C-C3C	3.39	1.47	1.37
31	AH	302	PEB	C2C-C3C	3.39	1.47	1.37
31	M9	302	PEB	CHA-C1B	3.39	1.48	1.40
33	O3	1001	CYC	O1D-CGD	3.39	1.33	1.22
31	ZI	304	PEB	C2C-C3C	3.39	1.47	1.37
31	UJ	202	PEB	C2C-C3C	3.39	1.47	1.37
31	PH	201	PEB	C2C-C3C	3.39	1.47	1.37
31	FJ	203	PEB	C1A-NA	-3.39	1.33	1.37
31	K8	202	PEB	C2C-C3C	3.39	1.47	1.37
31	LB	1002	PEB	CHA-C1B	3.39	1.48	1.40
33	D3	1001	CYC	O1D-CGD	3.39	1.33	1.22
33	J6	1001	CYC	C2C-C1C	-3.39	1.49	1.52
31	QH	203	PEB	C2C-C3C	3.39	1.47	1.37
31	dB	201	PEB	C1A-NA	-3.39	1.33	1.37
31	bC	202	PEB	C1A-NA	-3.39	1.33	1.37
31	a6	202	PEB	CHA-C1B	3.39	1.48	1.40
31	gC	203	PEB	CHA-C1B	3.39	1.48	1.40
31	FI	201	PEB	C2C-C3C	3.39	1.47	1.37
31	S7	201	PEB	CHC-C4C	3.39	1.58	1.50
31	W2	201	PEB	C2C-C3C	3.39	1.47	1.37
31	E9	202	PEB	C1A-NA	-3.39	1.33	1.37
31	o8	201	PEB	CHA-C1B	3.39	1.48	1.40
33	d3	1001	CYC	O1D-CGD	3.39	1.33	1.22
31	N9	202	PEB	C2C-C3C	3.39	1.47	1.37
31	FI	203	PEB	C1A-NA	-3.39	1.33	1.37
31	V6	201	PEB	C2C-C3C	3.39	1.47	1.37
31	RD	202	PEB	C2A-C1A	-3.39	1.49	1.52
31	P9	202	PEB	C2C-C3C	3.39	1.47	1.37
31	Y5	201	PEB	CHA-C1B	3.39	1.48	1.40
31	jB	202	PEB	C1A-NA	-3.39	1.33	1.37
31	A7	203	PEB	CHA-C1B	3.39	1.48	1.40
31	IK	201	PEB	CHA-C1B	3.39	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	gB	203	PEB	C1A-NA	-3.39	1.33	1.37
31	B5	201	PEB	C2A-C1A	-3.39	1.49	1.52
31	R5	202	PEB	C2C-C3C	3.39	1.47	1.37
31	MH	203	PEB	CHA-C1B	3.38	1.48	1.40
31	P7	201	PEB	CHA-C1B	3.38	1.48	1.40
31	cB	201	PEB	C2C-C3C	3.38	1.47	1.37
31	NJ	204	PEB	C2C-C3C	3.38	1.47	1.37
31	lE	201	PEB	C2C-C3C	3.38	1.47	1.37
31	AD	301	PEB	C1A-NA	-3.38	1.33	1.37
33	u3	1001	CYC	O1D-CGD	3.38	1.33	1.22
31	NB	1002	PEB	CHA-C1B	3.38	1.48	1.40
31	E9	202	PEB	C2C-C3C	3.38	1.47	1.37
31	TG	201	PEB	C1A-NA	-3.38	1.33	1.37
31	JJ	203	PEB	C2C-C3C	3.38	1.47	1.37
31	gC	203	PEB	C2C-C3C	3.38	1.47	1.37
31	ZH	202	PEB	C2A-C1A	-3.38	1.49	1.52
31	BK	201	PEB	C1A-NA	-3.38	1.33	1.37
31	T9	202	PEB	C1A-NA	-3.38	1.33	1.37
31	e6	202	PEB	CHA-C1B	3.38	1.48	1.40
31	ZA	201	PEB	C2C-C3C	3.38	1.47	1.37
31	Z9	302	PEB	C2C-C3C	3.38	1.47	1.37
33	F3	1001	CYC	O1D-CGD	3.38	1.33	1.22
31	P4	201	PEB	C1A-NA	-3.38	1.33	1.37
31	OB	201	PEB	CHA-C1B	3.38	1.48	1.40
31	jC	201	PEB	C2C-C3C	3.38	1.47	1.37
31	F1	201	PEB	C2C-C3C	3.38	1.47	1.37
31	J6	1002	PEB	C2C-C3C	3.38	1.47	1.37
31	O8	203	PEB	CHA-C1B	3.38	1.48	1.40
33	BD	1002	CYC	C4B-NB	-3.38	1.30	1.38
33	U3	1001	CYC	O1D-CGD	3.38	1.33	1.22
31	X9	202	PEB	C2C-C3C	3.38	1.47	1.37
31	O9	202	PEB	CHA-C1B	3.38	1.48	1.40
31	FB	1002	PEB	C1A-NA	-3.38	1.33	1.37
31	d4	203	PEB	CHA-C1B	3.38	1.48	1.40
31	kH	201	PEB	CHA-C1B	3.38	1.48	1.40
33	D2	1001	CYC	C3D-C2D	3.38	1.47	1.37
33	M3	1001	CYC	O1D-CGD	3.38	1.33	1.22
31	X7	202	PEB	C2C-C3C	3.38	1.47	1.37
31	J8	202	PEB	C1A-NA	-3.38	1.33	1.37
31	p8	202	PEB	C1A-NA	-3.38	1.33	1.37
31	MI	301	PEB	C2C-C3C	3.38	1.47	1.37
33	n3	1001	CYC	O1D-CGD	3.38	1.33	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	BE	1002	CYC	C4B-NB	-3.38	1.30	1.38
31	lC	202	PEB	OD-C4D	3.38	1.30	1.23
31	RH	201	PEB	CHA-C1B	3.38	1.48	1.40
31	P9	202	PEB	C1A-NA	-3.38	1.33	1.37
31	I7	203	PEB	C2C-C3C	3.38	1.47	1.37
31	L7	201	PEB	C2C-C3C	3.38	1.47	1.37
31	e8	203	PEB	CHA-C1B	3.38	1.48	1.40
31	UD	203	PEB	C2C-C3C	3.38	1.47	1.37
31	F1	201	PEB	C1A-NA	-3.38	1.33	1.37
31	Z2	202	PEB	C2C-C3C	3.38	1.47	1.37
31	H4	202	PEB	C2C-C3C	3.38	1.47	1.37
31	pF	202	PEB	C2C-C3C	3.38	1.47	1.37
31	Y9	201	PEB	CHA-C1B	3.38	1.48	1.40
31	fE	201	PEB	C2C-C3C	3.38	1.47	1.37
31	C9	202	PEB	C1A-NA	-3.38	1.33	1.37
31	EH	203	PEB	C2C-C3C	3.37	1.47	1.37
31	S7	201	PEB	C1A-NA	-3.37	1.33	1.37
31	MA	201	PEB	C2A-C1A	-3.37	1.49	1.52
31	J9	201	PEB	C2A-C1A	-3.37	1.49	1.52
33	L3	1001	CYC	O1D-CGD	3.37	1.33	1.22
31	WK	201	PEB	CHA-C1B	3.37	1.48	1.40
31	UA	304	PEB	C1A-NA	-3.37	1.33	1.37
31	Z9	302	PEB	CHA-C1B	3.37	1.48	1.40
31	WD	201	PEB	C1A-NA	-3.37	1.33	1.37
31	HJ	201	PEB	C1A-NA	-3.37	1.33	1.37
31	K9	202	PEB	C1A-NA	-3.37	1.33	1.37
31	eE	202	PEB	CHA-C1B	3.37	1.48	1.40
31	bC	201	PEB	C2C-C3C	3.37	1.47	1.37
31	V9	202	PEB	C1A-NA	-3.37	1.33	1.37
31	iB	202	PEB	CHA-C1B	3.37	1.48	1.40
31	D9	202	PEB	C2C-C3C	3.37	1.47	1.37
31	AJ	301	PEB	C1A-NA	-3.37	1.33	1.37
31	j4	202	PEB	C1A-NA	-3.37	1.33	1.37
31	E8	202	PEB	C2C-C3C	3.37	1.47	1.37
31	I1	201	PEB	C2C-C3C	3.37	1.47	1.37
31	b2	201	PEB	C2C-C3C	3.37	1.47	1.37
31	aH	201	PEB	C2C-C3C	3.37	1.47	1.37
31	A5	301	PEB	C1A-NA	-3.37	1.33	1.37
31	WI	202	PEB	C2C-C3C	3.37	1.47	1.37
31	HK	201	PEB	C2C-C3C	3.37	1.47	1.37
31	FG	202	PEB	C2C-C3C	3.37	1.47	1.37
31	EF	202	PEB	CHA-C1B	3.37	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	X8	201	PEB	CHA-C1B	3.37	1.48	1.40
31	WF	203	PEB	C1A-NA	-3.37	1.33	1.37
31	L6	1002	PEB	C1A-NA	-3.37	1.33	1.37
31	G9	202	PEB	C1A-NA	-3.37	1.33	1.37
31	QK	202	PEB	CHA-C1B	3.37	1.48	1.40
31	cH	202	PEB	C2A-C1A	-3.37	1.49	1.52
31	HE	1002	PEB	CHA-C1B	3.37	1.48	1.40
31	KH	201	PEB	CHA-C1B	3.37	1.48	1.40
31	jC	202	PEB	CHA-C1B	3.37	1.48	1.40
31	L6	1002	PEB	C2C-C3C	3.37	1.47	1.37
31	U2	203	PEB	C2C-C3C	3.37	1.47	1.37
33	M6	1001	CYC	C3D-C2D	3.37	1.47	1.37
31	RC	201	PEB	CHA-C1B	3.37	1.48	1.40
31	dB	201	PEB	CHA-C1B	3.37	1.48	1.40
31	KA	304	PEB	CHA-C1B	3.37	1.48	1.40
31	K4	202	PEB	CHA-C1B	3.37	1.48	1.40
31	gF	203	PEB	CHA-C1B	3.37	1.48	1.40
31	VH	202	PEB	C2C-C3C	3.37	1.47	1.37
31	H9	203	PEB	CHA-C1B	3.37	1.48	1.40
31	LC	1002	PEB	C2A-C1A	-3.37	1.49	1.52
31	N1	203	PEB	C2A-C1A	-3.37	1.49	1.52
31	TJ	201	PEB	C2C-C3C	3.37	1.47	1.37
31	W5	201	PEB	C2C-C3C	3.37	1.47	1.37
31	VF	202	PEB	C1A-NA	-3.37	1.33	1.37
31	D6	1002	PEB	C1A-NA	-3.37	1.33	1.37
31	iC	201	PEB	CHA-C1B	3.37	1.48	1.40
31	hD	203	PEB	CHA-C1B	3.37	1.48	1.40
33	KC	201	CYC	CHB-C4A	3.37	1.48	1.40
31	n8	201	PEB	C2C-C3C	3.37	1.47	1.37
31	TF	202	PEB	C2A-C1A	-3.37	1.49	1.52
31	gE	201	PEB	CHA-C1B	3.37	1.48	1.40
31	EK	201	PEB	C2C-C3C	3.37	1.47	1.37
31	O7	201	PEB	CHC-C4C	3.37	1.58	1.50
31	b8	202	PEB	C2C-C3C	3.37	1.47	1.37
31	j2	202	PEB	CHA-C1B	3.37	1.48	1.40
31	dE	202	PEB	C1A-NA	-3.37	1.33	1.37
31	DA	203	PEB	C2A-C1A	-3.36	1.49	1.52
31	SI	202	PEB	CHA-C1B	3.36	1.48	1.40
31	eF	202	PEB	C2C-C3C	3.36	1.47	1.37
31	Y8	202	PEB	C1A-NA	-3.36	1.33	1.37
31	LB	1002	PEB	C2C-C3C	3.36	1.47	1.37
31	G1	202	PEB	C2C-C3C	3.36	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I4	203	PEB	C2C-C3C	3.36	1.47	1.37
31	DD	1002	PEB	CHA-C1B	3.36	1.48	1.40
31	A8	201	PEB	C2C-C3C	3.36	1.47	1.37
31	DB	1002	PEB	C2A-C1A	-3.36	1.49	1.52
31	CF	201	PEB	C1A-NA	-3.36	1.33	1.37
31	B1	202	PEB	C2C-C3C	3.36	1.47	1.37
31	B4	301	PEB	C2C-C3C	3.36	1.47	1.37
31	lB	202	PEB	C2C-C3C	3.36	1.47	1.37
31	fE	201	PEB	CHA-C1B	3.36	1.48	1.40
31	f8	201	PEB	C2C-C3C	3.36	1.47	1.37
31	iB	201	PEB	C2C-C3C	3.36	1.47	1.37
31	I9	202	PEB	C1A-NA	-3.36	1.33	1.37
31	X9	202	PEB	C1A-NA	-3.36	1.33	1.37
31	HD	1002	PEB	CHA-C1B	3.36	1.48	1.40
31	LC	1002	PEB	C2C-C3C	3.36	1.47	1.37
31	C5	201	PEB	C2C-C3C	3.36	1.47	1.37
31	LI	202	PEB	C1A-NA	-3.36	1.33	1.37
31	mD	203	PEB	C1A-NA	-3.36	1.33	1.37
31	eH	201	PEB	C2C-C3C	3.36	1.47	1.37
31	RH	201	PEB	C2C-C3C	3.36	1.47	1.37
31	R5	203	PEB	C2C-C3C	3.36	1.47	1.37
31	lH	202	PEB	C2C-C3C	3.36	1.47	1.37
31	OK	202	PEB	CHA-C1B	3.36	1.48	1.40
31	T7	202	PEB	C2C-C3C	3.36	1.47	1.37
31	O2	201	PEB	C2C-C3C	3.36	1.47	1.37
31	O7	202	PEB	C2C-C3C	3.36	1.47	1.37
31	AB	305	PEB	C1A-NA	-3.36	1.33	1.37
31	Y2	201	PEB	C1A-NA	-3.36	1.33	1.37
31	A6	305	PEB	C1A-NA	-3.36	1.33	1.37
31	eC	203	PEB	C1A-NA	-3.36	1.33	1.37
31	RF	201	PEB	CHA-C1B	3.36	1.48	1.40
31	O7	201	PEB	CHA-C1B	3.36	1.48	1.40
31	J6	1002	PEB	C2A-C1A	-3.36	1.49	1.52
31	oF	202	PEB	OD-C4D	3.36	1.30	1.23
31	VB	201	PEB	C2C-C3C	3.36	1.47	1.37
31	RJ	203	PEB	C2C-C3C	3.36	1.47	1.37
31	Q2	203	PEB	C1A-NA	-3.36	1.33	1.37
31	SC	202	PEB	C2C-C3C	3.36	1.47	1.37
31	YD	201	PEB	CHA-C1B	3.36	1.48	1.40
31	JE	201	PEB	CHA-C1B	3.36	1.48	1.40
31	TH	202	PEB	C2C-C3C	3.36	1.47	1.37
31	a6	203	PEB	C2C-C3C	3.36	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SB	201	PEB	C2C-C3C	3.36	1.47	1.37
31	i8	203	PEB	CHA-C1B	3.36	1.48	1.40
31	E7	203	PEB	C2C-C3C	3.36	1.47	1.37
31	RB	202	PEB	C2A-C1A	-3.36	1.49	1.52
31	L1	203	PEB	C2C-C3C	3.36	1.47	1.37
31	e4	202	PEB	C2C-C3C	3.36	1.47	1.37
31	VJ	201	PEB	C1A-NA	-3.36	1.33	1.37
31	l4	201	PEB	C1A-NA	-3.36	1.33	1.37
31	V5	201	PEB	C1A-NA	-3.36	1.33	1.37
31	kD	202	PEB	C1A-NA	-3.36	1.33	1.37
31	Z2	201	PEB	CHA-C1B	3.36	1.48	1.40
31	B1	203	PEB	C2C-C3C	3.36	1.47	1.37
31	P6	203	PEB	C2C-C3C	3.36	1.47	1.37
31	L7	202	PEB	C2C-C3C	3.36	1.47	1.37
31	nF	201	PEB	C2C-C3C	3.36	1.47	1.37
31	LH	201	PEB	C2A-C1A	-3.36	1.49	1.52
31	JA	202	PEB	C2C-C3C	3.36	1.47	1.37
31	fC	201	PEB	CHA-C1B	3.36	1.48	1.40
31	DI	201	PEB	C2C-C3C	3.36	1.47	1.37
31	A5	302	PEB	CHA-C1B	3.36	1.48	1.40
31	d2	203	PEB	C1A-NA	-3.36	1.33	1.37
31	ZD	203	PEB	C2C-C3C	3.35	1.47	1.37
31	ZE	203	PEB	C2C-C3C	3.35	1.47	1.37
31	R2	201	PEB	CHA-C1B	3.35	1.48	1.40
31	WE	201	PEB	C2C-C3C	3.35	1.47	1.37
31	Y5	202	PEB	C1A-NA	-3.35	1.33	1.37
31	C8	201	PEB	C1A-NA	-3.35	1.33	1.37
31	TF	201	PEB	C2C-C3C	3.35	1.47	1.37
31	IK	201	PEB	C2C-C3C	3.35	1.47	1.37
31	LK	203	PEB	C2C-C3C	3.35	1.47	1.37
31	G1	202	PEB	CHA-C1B	3.35	1.48	1.40
31	W1	201	PEB	CHA-C1B	3.35	1.48	1.40
31	q8	203	PEB	C2C-C3C	3.35	1.47	1.37
31	PF	201	PEB	C2C-C3C	3.35	1.47	1.37
31	NH	202	PEB	C2C-C3C	3.35	1.47	1.37
31	B7	201	PEB	C2C-C3C	3.35	1.47	1.37
31	y8	301	PEB	C2C-C3C	3.35	1.47	1.37
31	C7	202	PEB	C2C-C3C	3.35	1.47	1.37
31	SG	202	PEB	C2C-C3C	3.35	1.47	1.37
31	HH	202	PEB	C2C-C3C	3.35	1.47	1.37
31	K4	202	PEB	C2C-C3C	3.35	1.47	1.37
31	e8	202	PEB	C2C-C3C	3.35	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Q7	201	PEB	C2A-C1A	-3.35	1.49	1.52
31	rF	202	PEB	C1A-NA	-3.35	1.33	1.37
31	FA	201	PEB	C2C-C3C	3.35	1.47	1.37
31	RF	202	PEB	C2A-C1A	-3.35	1.49	1.52
31	W7	202	PEB	C2C-C3C	3.35	1.47	1.37
31	Z8	202	PEB	C1A-NA	-3.35	1.33	1.37
31	D5	201	PEB	CHA-C1B	3.35	1.48	1.40
31	jC	203	PEB	CHA-C1B	3.35	1.48	1.40
31	CF	201	PEB	C2C-C3C	3.35	1.47	1.37
31	fD	203	PEB	C2C-C3C	3.35	1.47	1.37
32	MI	303	PUB	C3B-C2B	3.35	1.47	1.37
31	l4	202	PEB	C2C-C3C	3.35	1.47	1.37
31	C7	202	PEB	C2A-C1A	-3.35	1.49	1.52
31	S4	203	PEB	CHA-C1B	3.35	1.48	1.40
31	Y1	302	PEB	C1A-NA	-3.35	1.33	1.37
31	E1	201	PEB	C2C-C3C	3.35	1.47	1.37
31	l2	202	PEB	C2C-C3C	3.35	1.47	1.37
31	N7	202	PEB	C2C-C3C	3.35	1.47	1.37
32	AB	303	PUB	C3B-C2B	3.35	1.47	1.37
31	GD	202	PEB	CHA-C1B	3.35	1.48	1.40
31	QH	204	PEB	C1A-NA	-3.35	1.33	1.37
31	RJ	203	PEB	C1A-NA	-3.35	1.33	1.37
31	S2	202	PEB	C2C-C3C	3.35	1.47	1.37
31	a4	203	PEB	C1A-NA	-3.35	1.33	1.37
31	R8	202	PEB	C2A-C1A	-3.35	1.49	1.52
31	Q1	202	PEB	CHA-C1B	3.35	1.48	1.40
31	OC	202	PEB	C1A-NA	-3.35	1.33	1.37
31	KA	302	PEB	C2C-C3C	3.35	1.47	1.37
31	FH	202	PEB	C2C-C3C	3.35	1.47	1.37
31	J1	203	PEB	C2C-C3C	3.35	1.47	1.37
31	P8	201	PEB	C2C-C3C	3.35	1.47	1.37
31	QH	203	PEB	CHA-C1B	3.35	1.48	1.40
31	TA	202	PEB	C2C-C3C	3.35	1.47	1.37
31	I4	202	PEB	C2C-C3C	3.35	1.47	1.37
33	EB	1001	CYC	C3D-C2D	3.35	1.47	1.37
31	BJ	202	PEB	C2C-C3C	3.35	1.47	1.37
31	N7	201	PEB	C2C-C3C	3.35	1.47	1.37
31	k2	202	PEB	C2A-C1A	-3.35	1.49	1.52
31	I7	201	PEB	C2A-C1A	-3.35	1.49	1.52
31	Q5	201	PEB	C1A-NA	-3.35	1.33	1.37
31	wF	303	PEB	C1A-NA	-3.35	1.33	1.37
31	KD	201	PEB	C2C-C3C	3.35	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	hC	201	PEB	C2C-C3C	3.35	1.47	1.37
31	G1	201	PEB	CHA-C1B	3.35	1.48	1.40
31	X7	201	PEB	CHA-C1B	3.35	1.48	1.40
31	f4	201	PEB	C1A-NA	-3.35	1.33	1.37
31	N9	202	PEB	C1A-NA	-3.35	1.33	1.37
31	Y9	203	PEB	C1A-NA	-3.35	1.33	1.37
32	ZI	302	PUB	C3B-C2B	3.34	1.47	1.37
31	i6	201	PEB	C2C-C3C	3.34	1.47	1.37
31	j2	202	PEB	OD-C4D	3.34	1.29	1.23
31	C4	201	PEB	C2C-C3C	3.34	1.47	1.37
31	gD	201	PEB	C2C-C3C	3.34	1.47	1.37
31	SC	201	PEB	CHA-C1B	3.34	1.48	1.40
31	TJ	201	PEB	CHA-C1B	3.34	1.48	1.40
31	pF	201	PEB	CHA-C1B	3.34	1.48	1.40
31	ZB	202	PEB	C2C-C3C	3.34	1.47	1.37
31	f4	202	PEB	CHA-C1B	3.34	1.48	1.40
31	OF	203	PEB	CHA-C1B	3.34	1.48	1.40
31	ID	202	PEB	CHA-C1B	3.34	1.48	1.40
33	K2	201	CYC	CHB-C4A	3.34	1.48	1.40
31	YC	202	PEB	C1A-NA	-3.34	1.33	1.37
31	qF	201	PEB	C1A-NA	-3.34	1.33	1.37
31	UC	203	PEB	C2C-C3C	3.34	1.47	1.37
31	P1	201	PEB	C2C-C3C	3.34	1.47	1.37
31	R1	203	PEB	C2C-C3C	3.34	1.47	1.37
31	h6	201	PEB	C2C-C3C	3.34	1.47	1.37
31	b2	203	PEB	C1A-NA	-3.34	1.33	1.37
33	M6	1001	CYC	C1C-NC	-3.34	1.33	1.37
31	E7	201	PEB	C2C-C3C	3.34	1.47	1.37
31	ZC	201	PEB	CHA-C1B	3.34	1.48	1.40
31	RJ	202	PEB	C2C-C3C	3.34	1.47	1.37
31	AJ	302	PEB	C1A-NA	-3.34	1.33	1.37
31	aH	203	PEB	C2C-C3C	3.34	1.47	1.37
31	B5	201	PEB	CHA-C1B	3.34	1.48	1.40
31	JB	1002	PEB	C2C-C3C	3.34	1.47	1.37
31	DJ	201	PEB	CHA-C1B	3.34	1.48	1.40
31	H7	202	PEB	C2C-C3C	3.34	1.47	1.37
31	E8	201	PEB	C2C-C3C	3.34	1.47	1.37
31	ID	201	PEB	C2C-C3C	3.34	1.47	1.37
31	qF	203	PEB	C2C-C3C	3.34	1.47	1.37
31	mH	201	PEB	C2C-C3C	3.34	1.47	1.37
31	WA	401	PEB	C1A-NA	-3.34	1.33	1.37
31	M1	202	PEB	CHA-C1B	3.34	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SK	202	PEB	C2C-C3C	3.34	1.47	1.37
31	Z6	202	PEB	C2C-C3C	3.34	1.47	1.37
33	MB	1001	CYC	C3D-C2D	3.34	1.47	1.37
31	oF	201	PEB	CHA-C1B	3.34	1.48	1.40
31	WH	202	PEB	C2C-C3C	3.34	1.47	1.37
31	FG	202	PEB	C1A-NA	-3.34	1.33	1.37
31	gD	201	PEB	CHA-C1B	3.34	1.48	1.40
31	SK	202	PEB	OD-C4D	3.34	1.29	1.23
31	P7	202	PEB	C2C-C3C	3.34	1.47	1.37
31	Q8	202	PEB	C2C-C3C	3.34	1.47	1.37
33	E6	1001	CYC	C3D-C2D	3.34	1.47	1.37
31	KK	201	PEB	CHA-C1B	3.34	1.48	1.40
31	Y1	301	PEB	C1A-NA	-3.34	1.33	1.37
31	lE	202	PEB	CHA-C1B	3.34	1.48	1.40
31	Y2	202	PEB	C2A-C1A	-3.34	1.49	1.52
31	NC	1002	PEB	C2C-C3C	3.34	1.47	1.37
31	fF	201	PEB	C2C-C3C	3.34	1.47	1.37
31	YK	302	PEB	C1A-NA	-3.34	1.33	1.37
31	bF	201	PEB	C1A-NA	-3.34	1.33	1.37
31	lB	201	PEB	C2C-C3C	3.34	1.47	1.37
31	C8	201	PEB	C2C-C3C	3.34	1.47	1.37
31	YK	301	PEB	C1A-NA	-3.34	1.33	1.37
31	L2	1002	PEB	C1A-NA	-3.34	1.33	1.37
31	VG	203	PEB	C3C-C4C	3.34	1.47	1.42
31	IA	203	PEB	CHA-C1B	3.34	1.48	1.40
31	g8	202	PEB	C2C-C3C	3.34	1.47	1.37
31	gF	201	PEB	C2C-C3C	3.34	1.47	1.37
31	yF	301	PEB	C2C-C3C	3.33	1.47	1.37
31	KH	203	PEB	C2A-C1A	-3.33	1.49	1.52
31	vF	201	PEB	C2A-C1A	-3.33	1.49	1.52
31	JC	1002	PEB	C2C-C3C	3.33	1.47	1.37
31	f2	201	PEB	CHA-C1B	3.33	1.48	1.40
31	h2	201	PEB	CHA-C1B	3.33	1.48	1.40
31	c8	201	PEB	C2C-C3C	3.33	1.47	1.37
31	GK	201	PEB	CHA-C1B	3.33	1.48	1.40
31	w8	301	PEB	C2C-C3C	3.33	1.47	1.37
31	gA	203	PEB	CHA-C1B	3.33	1.48	1.40
31	OF	202	PEB	C1A-NA	-3.33	1.33	1.37
31	b2	201	PEB	C1A-NA	-3.33	1.33	1.37
31	U4	202	PEB	C2C-C3C	3.33	1.47	1.37
31	R8	202	PEB	C2C-C3C	3.33	1.47	1.37
31	L6	1002	PEB	C2A-C1A	-3.33	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L2	1002	PEB	C2C-C3C	3.33	1.47	1.37
31	mE	201	PEB	C2C-C3C	3.33	1.47	1.37
31	YI	202	PEB	CHA-C1B	3.33	1.48	1.40
31	lF	201	PEB	CHA-C1B	3.33	1.48	1.40
31	P6	201	PEB	C2A-C1A	-3.33	1.49	1.52
31	jF	201	PEB	C2A-C1A	-3.33	1.49	1.52
31	BK	203	PEB	C2C-C3C	3.33	1.47	1.37
31	W7	201	PEB	CHA-C1B	3.33	1.48	1.40
31	fD	201	PEB	CHA-C1B	3.33	1.48	1.40
31	HI	203	PEB	C1A-NA	-3.33	1.33	1.37
31	F6	1002	PEB	C1A-NA	-3.33	1.33	1.37
31	l4	203	PEB	CHA-C1B	3.33	1.48	1.40
31	BK	202	PEB	C2C-C3C	3.33	1.47	1.37
32	xF	305	PUB	C3B-C2B	3.33	1.47	1.37
31	CF	203	PEB	C1A-NA	-3.33	1.33	1.37
31	O6	201	PEB	CHA-C1B	3.33	1.48	1.40
31	hE	203	PEB	CHA-C1B	3.33	1.48	1.40
31	QD	202	PEB	C2C-C3C	3.33	1.47	1.37
31	hA	301	PEB	C2C-C3C	3.33	1.47	1.37
31	GA	203	PEB	C2A-C1A	-3.33	1.49	1.52
31	AJ	304	PEB	C1A-NA	-3.33	1.33	1.37
31	Q7	202	PEB	C1A-NA	-3.33	1.33	1.37
31	G7	202	PEB	C2C-C3C	3.33	1.47	1.37
31	SB	202	PEB	C2C-C3C	3.33	1.47	1.37
31	K4	201	PEB	C2C-C3C	3.33	1.47	1.37
31	mD	201	PEB	C2C-C3C	3.33	1.47	1.37
31	DI	203	PEB	C1A-NA	-3.33	1.33	1.37
31	g6	203	PEB	C1A-NA	-3.33	1.33	1.37
31	V1	201	PEB	CHA-C1B	3.33	1.48	1.40
31	YE	201	PEB	C2C-C3C	3.33	1.47	1.37
31	b6	201	PEB	CHA-C1B	3.33	1.48	1.40
31	c8	202	PEB	C2C-C3C	3.33	1.47	1.37
31	N6	1002	PEB	CHA-C1B	3.33	1.48	1.40
31	DJ	202	PEB	C2A-C1A	-3.33	1.49	1.52
31	YD	201	PEB	C2C-C3C	3.33	1.47	1.37
31	EI	201	PEB	C1A-NA	-3.33	1.33	1.37
31	RI	201	PEB	C1A-NA	-3.33	1.33	1.37
31	O2	202	PEB	C1A-NA	-3.33	1.33	1.37
31	A9	202	PEB	C1A-NA	-3.33	1.33	1.37
31	VH	201	PEB	C2C-C3C	3.33	1.47	1.37
31	D9	201	PEB	C2C-C3C	3.33	1.47	1.37
31	gF	202	PEB	C2C-C3C	3.33	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	K4	202	PEB	C1A-NA	-3.33	1.33	1.37
31	bC	201	PEB	C1A-NA	-3.33	1.33	1.37
33	DC	1001	CYC	C3D-C2D	3.33	1.47	1.37
31	B5	202	PEB	C2C-C3C	3.33	1.47	1.37
31	UI	202	PEB	CHA-C1B	3.33	1.48	1.40
31	bC	201	PEB	CHA-C1B	3.32	1.48	1.40
31	S1	202	PEB	OD-C4D	3.32	1.29	1.23
31	d2	201	PEB	C1A-NA	-3.32	1.33	1.37
31	bB	202	PEB	C1A-NA	-3.32	1.33	1.37
31	KJ	201	PEB	C2C-C3C	3.32	1.47	1.37
31	hB	201	PEB	C2C-C3C	3.32	1.47	1.37
31	O1	202	PEB	OD-C4D	3.32	1.29	1.23
31	Y6	201	PEB	C1A-NA	-3.32	1.33	1.37
32	wF	304	PUB	C3B-C2B	3.32	1.47	1.37
31	SH	201	PEB	CHA-C1B	3.32	1.48	1.40
31	FJ	203	PEB	CHA-C1B	3.32	1.48	1.40
31	RC	202	PEB	C1A-NA	-3.32	1.33	1.37
31	C4	201	PEB	C2A-C1A	-3.32	1.49	1.52
31	OD	201	PEB	C2C-C3C	3.32	1.47	1.37
31	UH	203	PEB	C2C-C3C	3.32	1.47	1.37
31	LK	203	PEB	C1A-NA	-3.32	1.33	1.37
31	jH	202	PEB	C1A-NA	-3.32	1.33	1.37
31	QE	203	PEB	C2C-C3C	3.32	1.47	1.37
31	L9	201	PEB	C2C-C3C	3.32	1.47	1.37
31	wF	301	PEB	C2C-C3C	3.32	1.47	1.37
31	Y1	303	PEB	CHA-C1B	3.32	1.48	1.40
31	W4	203	PEB	CHA-C1B	3.32	1.48	1.40
31	Z6	201	PEB	CHA-C1B	3.32	1.48	1.40
31	BA	201	PEB	C2C-C3C	3.32	1.47	1.37
31	UA	303	PEB	C2C-C3C	3.32	1.47	1.37
31	OG	203	PEB	C2C-C3C	3.32	1.47	1.37
31	T6	201	PEB	C2C-C3C	3.32	1.47	1.37
31	M8	202	PEB	C2C-C3C	3.32	1.47	1.37
31	OG	201	PEB	C4B-C3B	3.32	1.51	1.45
31	JB	1002	PEB	C2A-C1A	-3.32	1.49	1.52
31	R4	202	PEB	C2A-C1A	-3.32	1.49	1.52
31	CF	203	PEB	C2C-C3C	3.32	1.47	1.37
33	MD	1001	CYC	C3D-C2D	3.32	1.47	1.37
31	jC	202	PEB	OD-C4D	3.32	1.29	1.23
31	a8	202	PEB	C2C-C3C	3.32	1.47	1.37
31	D5	203	PEB	C1A-NA	-3.32	1.33	1.37
31	M4	202	PEB	C2C-C3C	3.32	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	PD	202	PEB	C2C-C3C	3.32	1.47	1.37
31	AE	301	PEB	C1A-NA	-3.32	1.33	1.37
31	S6	201	PEB	C2C-C3C	3.32	1.47	1.37
31	D7	202	PEB	C2C-C3C	3.32	1.47	1.37
31	eF	203	PEB	CHA-C1B	3.32	1.48	1.40
31	YI	201	PEB	C4B-C3B	3.32	1.51	1.45
31	D8	201	PEB	C2A-C1A	-3.32	1.49	1.52
31	hD	201	PEB	CHA-C1B	3.32	1.48	1.40
31	OF	203	PEB	C1A-NA	-3.32	1.33	1.37
32	B4	302	PUB	C3B-C2B	3.32	1.47	1.37
31	SE	201	PEB	CHA-C1B	3.32	1.48	1.40
31	DE	1002	PEB	C2C-C3C	3.32	1.47	1.37
31	B7	202	PEB	C2C-C3C	3.32	1.47	1.37
31	DA	202	PEB	C2C-C3C	3.32	1.47	1.37
31	CJ	201	PEB	C2C-C3C	3.32	1.47	1.37
31	AJ	302	PEB	CHA-C1B	3.32	1.48	1.40
31	HH	202	PEB	C2A-C1A	-3.32	1.49	1.52
31	QA	204	PEB	C2C-C3C	3.32	1.47	1.37
31	VI	201	PEB	C1A-NA	-3.31	1.33	1.37
31	C4	202	PEB	C1A-NA	-3.31	1.33	1.37
31	LK	201	PEB	C2C-C3C	3.31	1.47	1.37
31	H1	203	PEB	C2C-C3C	3.31	1.47	1.37
31	fE	203	PEB	C2C-C3C	3.31	1.47	1.37
31	VA	201	PEB	C2C-C3C	3.31	1.47	1.37
31	YC	201	PEB	C1A-NA	-3.31	1.33	1.37
31	HI	203	PEB	C2C-C3C	3.31	1.47	1.37
31	m8	201	PEB	C2C-C3C	3.31	1.47	1.37
31	TB	203	PEB	C1A-NA	-3.31	1.33	1.37
31	DI	202	PEB	C1A-NA	-3.31	1.33	1.37
31	N5	204	PEB	C2C-C3C	3.31	1.47	1.37
31	mE	203	PEB	C1A-NA	-3.31	1.33	1.37
31	DI	202	PEB	C2C-C3C	3.31	1.47	1.37
31	dB	201	PEB	C2C-C3C	3.31	1.47	1.37
31	gE	201	PEB	C2C-C3C	3.31	1.47	1.37
31	SA	203	PEB	CHA-C1B	3.31	1.48	1.40
31	IK	202	PEB	OD-C4D	3.31	1.29	1.23
31	UF	201	PEB	C2C-C3C	3.31	1.47	1.37
31	Q7	203	PEB	CHA-C1B	3.31	1.48	1.40
31	CH	202	PEB	C1A-NA	-3.31	1.33	1.37
31	lE	202	PEB	C1A-NA	-3.31	1.33	1.37
31	oF	202	PEB	C1A-NA	-3.31	1.33	1.37
31	QF	202	PEB	C2C-C3C	3.31	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	fA	301	PEB	C2C-C3C	3.31	1.47	1.37
31	I1	202	PEB	OD-C4D	3.31	1.29	1.23
31	BA	202	PEB	C2C-C3C	3.31	1.47	1.37
31	BJ	201	PEB	C2A-C1A	-3.31	1.49	1.52
31	uF	201	PEB	C2C-C3C	3.31	1.47	1.37
31	BF	201	PEB	OD-C4D	3.31	1.29	1.23
31	Q2	203	PEB	C2C-C3C	3.31	1.47	1.37
31	R1	201	PEB	C2C-C3C	3.31	1.47	1.37
31	M8	201	PEB	C2C-C3C	3.31	1.47	1.37
31	UE	203	PEB	C2C-C3C	3.31	1.47	1.37
31	F7	202	PEB	C2C-C3C	3.31	1.47	1.37
31	Y6	203	PEB	C2C-C3C	3.31	1.47	1.37
31	g8	202	PEB	CHA-C1B	3.31	1.48	1.40
31	ZF	201	PEB	C2C-C3C	3.31	1.47	1.37
33	IB	1001	CYC	C3D-C2D	3.31	1.47	1.37
31	JK	203	PEB	C1A-NA	-3.31	1.33	1.37
31	SD	202	PEB	C2C-C3C	3.31	1.47	1.37
31	G1	202	PEB	C1A-NA	-3.31	1.33	1.37
31	pF	202	PEB	C1A-NA	-3.31	1.33	1.37
31	GK	202	PEB	CHA-C1B	3.31	1.48	1.40
31	PC	202	PEB	C2A-C1A	-3.31	1.49	1.52
31	CH	203	PEB	C2A-C1A	-3.31	1.49	1.52
31	OH	203	PEB	C2A-C1A	-3.31	1.49	1.52
31	A7	203	PEB	C2C-C3C	3.31	1.47	1.37
31	E7	203	PEB	CHA-C1B	3.31	1.48	1.40
31	QE	202	PEB	C2C-C3C	3.31	1.47	1.37
31	DD	1002	PEB	C2C-C3C	3.31	1.47	1.37
31	K7	202	PEB	C2C-C3C	3.31	1.47	1.37
31	DG	202	PEB	C2C-C3C	3.31	1.47	1.37
31	LJ	202	PEB	C2C-C3C	3.31	1.47	1.37
31	L5	202	PEB	C2C-C3C	3.31	1.47	1.37
31	jD	201	PEB	C2C-C3C	3.31	1.47	1.37
31	gH	201	PEB	C1A-NA	-3.31	1.33	1.37
31	aB	203	PEB	C2C-C3C	3.31	1.47	1.37
31	hD	203	PEB	C2C-C3C	3.31	1.47	1.37
31	Q7	203	PEB	C1A-NA	-3.30	1.33	1.37
31	WJ	201	PEB	C2C-C3C	3.30	1.47	1.37
31	aF	203	PEB	C2C-C3C	3.30	1.47	1.37
31	w8	301	PEB	CHA-C1B	3.30	1.48	1.40
31	Q9	201	PEB	CHA-C1B	3.30	1.48	1.40
31	J5	203	PEB	C2C-C3C	3.30	1.47	1.37
31	N6	1002	PEB	C2C-C3C	3.30	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	C8	203	PEB	C2C-C3C	3.30	1.47	1.37
31	fC	203	PEB	CHA-C1B	3.30	1.48	1.40
31	t8	203	PEB	C2C-C3C	3.30	1.47	1.37
31	DB	1002	PEB	C2C-C3C	3.30	1.47	1.37
31	WK	202	PEB	OD-C4D	3.30	1.29	1.23
31	X5	201	PEB	C1A-NA	-3.30	1.33	1.37
31	dC	201	PEB	C1A-NA	-3.30	1.33	1.37
31	T5	201	PEB	CHA-C1B	3.30	1.48	1.40
31	JK	203	PEB	C2C-C3C	3.30	1.47	1.37
31	kE	202	PEB	C2C-C3C	3.30	1.47	1.37
31	Q2	201	PEB	C2C-C3C	3.30	1.47	1.37
31	N5	202	PEB	C2C-C3C	3.30	1.47	1.37
31	PK	201	PEB	C2C-C3C	3.30	1.47	1.37
31	LB	1002	PEB	C1A-NA	-3.30	1.33	1.37
31	QJ	201	PEB	C1A-NA	-3.30	1.33	1.37
31	P4	201	PEB	C2C-C3C	3.30	1.47	1.37
31	eB	202	PEB	CHA-C1B	3.30	1.48	1.40
31	H1	202	PEB	C2C-C3C	3.30	1.47	1.37
33	KC	201	CYC	C3D-C2D	3.30	1.47	1.37
31	XH	202	PEB	C2C-C3C	3.30	1.47	1.37
31	TB	203	PEB	C2C-C3C	3.30	1.47	1.37
31	b8	201	PEB	C1A-NA	-3.30	1.33	1.37
31	gA	202	PEB	C1A-NA	-3.30	1.33	1.37
31	a4	203	PEB	CHA-C1B	3.30	1.48	1.40
31	U7	203	PEB	C2C-C3C	3.30	1.47	1.37
31	Z8	201	PEB	C2C-C3C	3.30	1.47	1.37
31	G7	202	PEB	CHA-C1B	3.30	1.48	1.40
31	F5	202	PEB	C1A-NA	-3.30	1.33	1.37
31	N2	1002	PEB	C2C-C3C	3.30	1.47	1.37
31	c2	202	PEB	C2C-C3C	3.30	1.47	1.37
31	R6	203	PEB	C2C-C3C	3.30	1.47	1.37
31	QF	202	PEB	OD-C4D	3.30	1.29	1.23
31	NJ	202	PEB	C1A-NA	-3.30	1.33	1.37
31	D5	203	PEB	C2C-C3C	3.30	1.47	1.37
32	w8	304	PUB	C3B-C2B	3.30	1.47	1.37
31	SE	202	PEB	C2C-C3C	3.30	1.47	1.37
31	KK	202	PEB	OD-C4D	3.30	1.29	1.23
31	S7	203	PEB	C1A-NA	-3.30	1.33	1.37
31	QC	201	PEB	C2C-C3C	3.30	1.47	1.37
31	GA	201	PEB	C2C-C3C	3.30	1.47	1.37
31	O1	202	PEB	CHA-C1B	3.30	1.48	1.40
31	OK	202	PEB	OD-C4D	3.30	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HK	202	PEB	C2C-C3C	3.30	1.47	1.37
31	L5	201	PEB	C2C-C3C	3.30	1.47	1.37
31	J1	203	PEB	C1A-NA	-3.29	1.33	1.37
31	ZH	201	PEB	C2C-C3C	3.29	1.47	1.37
33	KE	202	CYC	C3D-C2D	3.29	1.47	1.37
31	U8	202	PEB	OD-C4D	3.29	1.29	1.23
31	RK	203	PEB	C2C-C3C	3.29	1.47	1.37
31	NK	203	PEB	C2A-C1A	-3.29	1.49	1.52
31	QD	203	PEB	C2C-C3C	3.29	1.47	1.37
31	b2	201	PEB	CHA-C1B	3.29	1.48	1.40
31	hE	203	PEB	C2C-C3C	3.29	1.47	1.37
31	jE	201	PEB	C2C-C3C	3.29	1.47	1.37
31	G9	201	PEB	C2C-C3C	3.29	1.47	1.37
31	YJ	201	PEB	CHA-C1B	3.29	1.48	1.40
31	c8	202	PEB	CHA-C1B	3.29	1.48	1.40
31	F2	1002	PEB	C2A-C1A	-3.29	1.49	1.52
32	x8	305	PUB	C3B-C2B	3.29	1.47	1.37
31	C7	201	PEB	CHA-C1B	3.29	1.48	1.40
31	I7	203	PEB	CHA-C1B	3.29	1.48	1.40
31	B9	201	PEB	C2A-C1A	-3.29	1.49	1.52
31	HK	203	PEB	C2C-C3C	3.29	1.47	1.37
31	k2	202	PEB	C2C-C3C	3.29	1.47	1.37
31	E9	201	PEB	C2C-C3C	3.29	1.47	1.37
33	K2	201	CYC	C3D-C2D	3.29	1.47	1.37
31	K9	201	PEB	C2C-C3C	3.29	1.47	1.37
31	l2	203	PEB	OD-C4D	3.29	1.29	1.23
31	QF	201	PEB	C1A-NA	-3.29	1.33	1.37
31	C9	201	PEB	C2C-C3C	3.29	1.47	1.37
31	eH	202	PEB	C2C-C3C	3.29	1.47	1.37
31	JI	203	PEB	C2C-C3C	3.29	1.47	1.37
31	AB	304	PEB	C1A-NA	-3.29	1.33	1.37
31	f2	203	PEB	CHA-C1B	3.29	1.48	1.40
31	D7	201	PEB	C2C-C3C	3.29	1.47	1.37
31	UF	201	PEB	C3B-C2B	3.29	1.43	1.36
31	T6	203	PEB	C2C-C3C	3.29	1.47	1.37
31	YE	201	PEB	CHA-C1B	3.29	1.48	1.40
31	SH	202	PEB	C1A-NA	-3.29	1.33	1.37
31	eD	202	PEB	C1A-NA	-3.29	1.33	1.37
31	L1	201	PEB	C2C-C3C	3.29	1.47	1.37
31	e6	201	PEB	C2A-C1A	-3.29	1.49	1.52
31	MF	202	PEB	C2C-C3C	3.29	1.47	1.37
31	T5	201	PEB	C2C-C3C	3.29	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	JJ	203	PEB	C1A-NA	-3.29	1.33	1.37
31	FI	202	PEB	C1A-NA	-3.29	1.33	1.37
31	q8	201	PEB	C1A-NA	-3.29	1.33	1.37
31	C7	201	PEB	CHC-C4C	3.29	1.58	1.50
31	a8	203	PEB	C2C-C3C	3.28	1.47	1.37
31	X5	203	PEB	C1A-NA	-3.28	1.33	1.37
31	D6	1002	PEB	C2C-C3C	3.28	1.47	1.37
31	WG	203	PEB	C2C-C3C	3.28	1.47	1.37
31	TH	202	PEB	C2A-C1A	-3.28	1.49	1.52
31	ZB	201	PEB	CHA-C1B	3.28	1.48	1.40
31	ZB	201	PEB	C2C-C3C	3.28	1.47	1.37
31	EA	501	PEB	C2C-C3C	3.28	1.47	1.37
31	XI	201	PEB	C1A-NA	-3.28	1.33	1.37
31	d6	201	PEB	C2C-C3C	3.28	1.47	1.37
31	Q9	201	PEB	C2C-C3C	3.28	1.47	1.37
33	KB	1001	CYC	C3D-C2D	3.28	1.47	1.37
31	A9	201	PEB	C2C-C3C	3.28	1.47	1.37
31	iC	202	PEB	C1A-NA	-3.28	1.33	1.37
31	dA	202	PEB	C2C-C3C	3.28	1.47	1.37
31	kC	202	PEB	C2C-C3C	3.28	1.47	1.37
31	R4	201	PEB	C2A-C1A	-3.28	1.49	1.52
31	TH	201	PEB	C2C-C3C	3.28	1.47	1.37
31	k8	203	PEB	C2C-C3C	3.28	1.47	1.37
31	I9	201	PEB	C2C-C3C	3.28	1.47	1.37
31	A5	302	PEB	C1A-NA	-3.28	1.33	1.37
31	QC	203	PEB	C2C-C3C	3.28	1.47	1.37
33	M2	201	CYC	C3D-C2D	3.28	1.47	1.37
31	MH	203	PEB	C1A-NA	-3.28	1.33	1.37
31	D9	201	PEB	CHA-C1B	3.28	1.48	1.40
31	RH	202	PEB	C2A-C1A	-3.28	1.49	1.52
31	ZB	202	PEB	C1A-NA	-3.28	1.33	1.37
31	VK	201	PEB	CHA-C1B	3.28	1.48	1.40
31	KE	201	PEB	C2C-C3C	3.28	1.47	1.37
31	AC	305	PEB	C1A-NA	-3.28	1.33	1.37
31	OH	201	PEB	C2C-C3C	3.28	1.47	1.37
31	V5	201	PEB	C2C-C3C	3.28	1.47	1.37
31	QK	202	PEB	OD-C4D	3.28	1.29	1.23
31	QI	202	PEB	C2C-C3C	3.28	1.47	1.37
31	VJ	201	PEB	C2C-C3C	3.28	1.47	1.37
31	V9	201	PEB	C2C-C3C	3.28	1.47	1.37
31	dC	203	PEB	C1A-NA	-3.28	1.33	1.37
31	s8	202	PEB	OD-C4D	3.28	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	LC	1003	CYC	C3D-C2D	3.28	1.47	1.37
31	jE	201	PEB	C1A-NA	-3.28	1.33	1.37
31	M9	301	PEB	CHA-C1B	3.28	1.48	1.40
31	T5	202	PEB	C1A-NA	-3.28	1.33	1.37
31	hF	202	PEB	C1A-NA	-3.28	1.33	1.37
31	UA	302	PEB	C2A-C1A	-3.28	1.49	1.52
31	K1	201	PEB	CHA-C1B	3.28	1.48	1.40
31	R2	202	PEB	C1A-NA	-3.28	1.33	1.37
31	XA	201	PEB	C2C-C3C	3.28	1.47	1.37
31	LC	1002	PEB	C1A-NA	-3.27	1.33	1.37
31	PI	201	PEB	C1A-NA	-3.27	1.33	1.37
31	Y4	203	PEB	C1A-NA	-3.27	1.33	1.37
31	RB	203	PEB	C2C-C3C	3.27	1.47	1.37
31	DJ	203	PEB	OD-C4D	3.27	1.29	1.23
31	hE	201	PEB	CHA-C1B	3.27	1.48	1.40
31	P9	201	PEB	C2C-C3C	3.27	1.47	1.37
31	N9	201	PEB	C2C-C3C	3.27	1.47	1.37
31	SD	201	PEB	CHA-C1B	3.27	1.48	1.40
31	RK	201	PEB	C2C-C3C	3.27	1.47	1.37
31	U8	201	PEB	C2C-C3C	3.27	1.47	1.37
31	DF	203	PEB	C1A-NA	-3.27	1.33	1.37
31	TI	201	PEB	C1A-NA	-3.27	1.33	1.37
31	ZG	401	PEB	C4B-C3B	3.27	1.50	1.45
31	T9	201	PEB	C2C-C3C	3.27	1.47	1.37
33	N2	1001	CYC	C3D-C2D	3.27	1.47	1.37
31	V6	202	PEB	CHA-C1B	3.27	1.48	1.40
31	dH	202	PEB	CHA-C1B	3.27	1.48	1.40
31	KH	202	PEB	C1A-NA	-3.27	1.33	1.37
31	L1	203	PEB	C1A-NA	-3.27	1.33	1.37
31	G7	201	PEB	C2C-C3C	3.27	1.47	1.37
31	Z9	303	PEB	C2C-C3C	3.27	1.47	1.37
31	CI	201	PEB	C1A-NA	-3.27	1.33	1.37
31	II	201	PEB	C1A-NA	-3.27	1.33	1.37
31	eF	203	PEB	C1A-NA	-3.27	1.33	1.37
31	y8	301	PEB	CHA-C1B	3.27	1.48	1.40
31	JH	202	PEB	C2C-C3C	3.27	1.47	1.37
31	R9	201	PEB	C2C-C3C	3.27	1.47	1.37
31	JH	201	PEB	C2C-C3C	3.27	1.47	1.37
31	HG	201	PEB	C2C-C3C	3.27	1.47	1.37
31	B9	202	PEB	C2C-C3C	3.27	1.47	1.37
31	X9	201	PEB	C2C-C3C	3.27	1.47	1.37
31	C5	202	PEB	CHA-C1B	3.27	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	T6	203	PEB	C1A-NA	-3.27	1.33	1.37
31	GA	203	PEB	C2C-C3C	3.27	1.47	1.37
31	h4	201	PEB	CHA-C1B	3.27	1.48	1.40
31	fE	203	PEB	CHA-C1B	3.27	1.48	1.40
31	M4	203	PEB	C2C-C3C	3.27	1.47	1.37
31	U9	203	PEB	C2C-C3C	3.27	1.47	1.37
31	DB	1002	PEB	C1A-NA	-3.27	1.33	1.37
31	QH	204	PEB	C2C-C3C	3.27	1.47	1.37
31	EH	203	PEB	CHA-C1B	3.27	1.48	1.40
31	BJ	201	PEB	CHA-C1B	3.27	1.48	1.40
31	PC	202	PEB	C2C-C3C	3.27	1.47	1.37
31	YB	201	PEB	C1A-NA	-3.27	1.33	1.37
31	F5	202	PEB	OD-C4D	3.27	1.29	1.23
31	FJ	202	PEB	C1A-NA	-3.27	1.33	1.37
31	VB	202	PEB	CHA-C1B	3.27	1.48	1.40
31	QA	201	PEB	C2C-C3C	3.27	1.47	1.37
31	XH	201	PEB	C2C-C3C	3.27	1.47	1.37
31	PD	201	PEB	C2A-C1A	-3.27	1.49	1.52
31	iH	201	PEB	C2A-C1A	-3.27	1.49	1.52
31	DK	201	PEB	C1A-NA	-3.26	1.33	1.37
31	Z9	301	PEB	CHA-C1B	3.26	1.48	1.40
31	WK	202	PEB	C2C-C3C	3.26	1.47	1.37
31	WC	201	PEB	C2C-C3C	3.26	1.47	1.37
32	Z9	305	PUB	CAB-C3B	3.26	1.56	1.52
31	NA	203	PEB	C2C-C3C	3.26	1.47	1.37
31	MF	201	PEB	C2C-C3C	3.26	1.47	1.37
31	GI	201	PEB	C1A-NA	-3.26	1.33	1.37
31	EF	201	PEB	C2C-C3C	3.26	1.47	1.37
31	P2	202	PEB	C2C-C3C	3.26	1.47	1.37
31	AI	201	PEB	CHA-C1B	3.26	1.48	1.40
31	yF	301	PEB	CHA-C1B	3.26	1.48	1.40
31	NI	201	PEB	C1A-NA	-3.26	1.33	1.37
31	XJ	203	PEB	C1A-NA	-3.26	1.33	1.37
31	y8	301	PEB	C2A-C1A	-3.26	1.49	1.52
31	aH	204	PEB	C2A-C1A	-3.26	1.49	1.52
31	CH	201	PEB	C2C-C3C	3.26	1.47	1.37
33	ME	1001	CYC	C3D-C2D	3.26	1.47	1.37
31	EI	201	PEB	CHA-C1B	3.26	1.48	1.40
31	VI	201	PEB	CHA-C1B	3.26	1.48	1.40
31	R7	202	PEB	C2C-C3C	3.26	1.47	1.37
33	FC	1001	CYC	C3D-C2D	3.26	1.47	1.37
31	H5	202	PEB	C2C-C3C	3.26	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	uF	203	PEB	C1A-NA	-3.26	1.33	1.37
31	gF	202	PEB	CHA-C1B	3.26	1.48	1.40
31	G4	203	PEB	CHA-C1B	3.26	1.48	1.40
31	A4	301	PEB	C1A-NA	-3.26	1.33	1.37
31	KI	201	PEB	C1A-NA	-3.26	1.33	1.37
31	NB	1002	PEB	C2C-C3C	3.26	1.47	1.37
31	OF	201	PEB	C1A-NA	-3.26	1.33	1.37
31	G5	202	PEB	C1A-NA	-3.26	1.33	1.37
31	UF	202	PEB	OD-C4D	3.26	1.29	1.23
31	KI	201	PEB	CHA-C1B	3.26	1.48	1.40
31	JI	203	PEB	C1A-NA	-3.26	1.33	1.37
31	M7	201	PEB	CHA-C1B	3.26	1.48	1.40
31	MA	202	PEB	OD-C4D	3.26	1.29	1.23
31	YA	201	PEB	C2C-C3C	3.26	1.47	1.37
31	aF	202	PEB	C2C-C3C	3.26	1.47	1.37
31	PI	201	PEB	CHA-C1B	3.26	1.48	1.40
31	L4	202	PEB	C2A-C1A	-3.26	1.49	1.52
31	BH	301	PEB	C2C-C3C	3.26	1.47	1.37
31	S9	202	PEB	CHA-C1B	3.25	1.48	1.40
31	KF	203	PEB	C2C-C3C	3.25	1.47	1.37
31	HB	1002	PEB	C2C-C3C	3.25	1.47	1.37
31	TB	201	PEB	C2C-C3C	3.25	1.47	1.37
31	CA	202	PEB	C2C-C3C	3.25	1.47	1.37
31	F5	202	PEB	C2C-C3C	3.25	1.47	1.37
33	I6	1001	CYC	C3D-C2D	3.25	1.47	1.37
31	HB	1002	PEB	CHA-C1B	3.25	1.48	1.40
31	NI	201	PEB	CHA-C1B	3.25	1.48	1.40
31	KA	302	PEB	C2A-C1A	-3.25	1.49	1.52
31	dA	201	PEB	C2A-C1A	-3.25	1.49	1.52
31	OA	201	PEB	C2C-C3C	3.25	1.47	1.37
31	HJ	202	PEB	C2C-C3C	3.25	1.47	1.37
33	I2	201	CYC	C3D-C2D	3.25	1.47	1.37
31	h8	202	PEB	C1A-NA	-3.25	1.33	1.37
31	CH	202	PEB	C2C-C3C	3.25	1.47	1.37
31	FI	202	PEB	C2C-C3C	3.25	1.47	1.37
31	XK	203	PEB	C2C-C3C	3.25	1.47	1.37
31	fD	203	PEB	CHA-C1B	3.25	1.48	1.40
31	BG	201	PEB	C4B-C3B	3.25	1.50	1.45
31	LI	203	PEB	C1A-NA	-3.25	1.33	1.37
31	GH	201	PEB	C2C-C3C	3.25	1.47	1.37
31	RI	201	PEB	CHA-C1B	3.25	1.48	1.40
31	P2	202	PEB	C2A-C1A	-3.25	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I4	202	PEB	C2A-C1A	-3.25	1.49	1.52
31	cC	202	PEB	C2C-C3C	3.25	1.47	1.37
31	d4	201	PEB	CHA-C1B	3.25	1.48	1.40
31	BG	203	PEB	C1A-NA	-3.25	1.33	1.37
31	QB	201	PEB	C2C-C3C	3.25	1.47	1.37
33	KC	201	CYC	C2C-C1C	-3.25	1.49	1.52
31	Z6	201	PEB	C2C-C3C	3.25	1.47	1.37
31	CI	201	PEB	CHA-C1B	3.25	1.48	1.40
31	g8	201	PEB	C2C-C3C	3.25	1.47	1.37
31	kC	202	PEB	C2A-C1A	-3.25	1.49	1.52
31	Q4	201	PEB	C1A-NA	-3.25	1.33	1.37
31	NJ	202	PEB	C2C-C3C	3.25	1.47	1.37
31	GI	201	PEB	CHA-C1B	3.25	1.48	1.40
31	F5	203	PEB	CHA-C1B	3.25	1.48	1.40
31	SC	201	PEB	C2C-C3C	3.25	1.47	1.37
31	IH	203	PEB	C2C-C3C	3.25	1.47	1.37
31	E8	202	PEB	CHA-C1B	3.25	1.48	1.40
31	E1	202	PEB	OD-C4D	3.25	1.29	1.23
31	WI	203	PEB	C1A-NA	-3.25	1.33	1.37
32	AE	302	PUB	C3B-C2B	3.25	1.47	1.37
31	L2	1002	PEB	C2A-C1A	-3.24	1.49	1.52
31	AI	201	PEB	C1A-NA	-3.24	1.33	1.37
31	fH	203	PEB	CHA-C1B	3.24	1.48	1.40
31	DJ	203	PEB	C2C-C3C	3.24	1.47	1.37
31	NI	202	PEB	C1A-NA	-3.24	1.33	1.37
31	l2	201	PEB	CHA-C1B	3.24	1.48	1.40
31	mH	202	PEB	C2A-C1A	-3.24	1.49	1.52
31	YI	202	PEB	C2C-C3C	3.24	1.47	1.37
33	F2	1001	CYC	C3D-C2D	3.24	1.47	1.37
31	NA	201	PEB	C2C-C3C	3.24	1.47	1.37
31	LH	202	PEB	C2C-C3C	3.24	1.47	1.37
31	S8	203	PEB	C2C-C3C	3.24	1.47	1.37
31	tF	201	PEB	C2A-C1A	-3.24	1.49	1.52
31	XJ	201	PEB	CHA-C1B	3.24	1.48	1.40
31	X5	201	PEB	CHA-C1B	3.24	1.48	1.40
31	eA	201	PEB	C2C-C3C	3.24	1.47	1.37
31	W1	202	PEB	C2C-C3C	3.24	1.47	1.37
31	MJ	202	PEB	C1A-NA	-3.24	1.33	1.37
31	WE	203	PEB	CHA-C1B	3.24	1.48	1.40
31	D5	201	PEB	C2A-C1A	-3.24	1.49	1.52
31	K1	202	PEB	OD-C4D	3.24	1.29	1.23
31	A7	201	PEB	C2C-C3C	3.24	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	MI	304	PEB	C2A-C1A	-3.24	1.49	1.52
31	j8	201	PEB	C2A-C1A	-3.24	1.49	1.52
31	aE	201	PEB	C2A-C1A	-3.24	1.49	1.52
31	T5	203	PEB	C1A-NA	-3.24	1.33	1.37
31	RA	202	PEB	C2C-C3C	3.24	1.47	1.37
33	NC	1001	CYC	C3D-C2D	3.24	1.47	1.37
31	CJ	202	PEB	CHA-C1B	3.24	1.48	1.40
31	kF	203	PEB	C2C-C3C	3.24	1.47	1.37
31	GJ	202	PEB	C1A-NA	-3.24	1.33	1.37
33	D2	1001	CYC	C1C-NC	-3.24	1.33	1.37
31	QH	201	PEB	C2A-C1A	-3.24	1.49	1.52
31	XI	201	PEB	CHA-C1B	3.24	1.48	1.40
31	BA	203	PEB	C2C-C3C	3.24	1.47	1.37
31	l8	201	PEB	CHA-C1B	3.24	1.48	1.40
31	mH	202	PEB	C2C-C3C	3.24	1.47	1.37
33	K6	1001	CYC	C3D-C2D	3.24	1.47	1.37
31	UH	202	PEB	C2C-C3C	3.24	1.47	1.37
31	b6	201	PEB	C2C-C3C	3.24	1.47	1.37
31	DC	1002	PEB	C1A-NA	-3.24	1.33	1.37
31	ZI	304	PEB	C1A-NA	-3.24	1.33	1.37
31	RJ	201	PEB	C1A-NA	-3.24	1.33	1.37
31	II	201	PEB	CHA-C1B	3.24	1.48	1.40
31	G8	203	PEB	OD-C4D	3.24	1.29	1.23
31	ZH	202	PEB	C2C-C3C	3.24	1.47	1.37
31	bB	201	PEB	C2C-C3C	3.24	1.47	1.37
31	LJ	201	PEB	C2C-C3C	3.24	1.47	1.37
31	A5	304	PEB	C1A-NA	-3.24	1.33	1.37
31	cB	202	PEB	C2C-C3C	3.24	1.47	1.37
31	HA	203	PEB	C2C-C3C	3.24	1.47	1.37
31	U8	202	PEB	C2C-C3C	3.24	1.47	1.37
33	V3	1001	CYC	C3D-C2D	3.24	1.47	1.37
31	OK	201	PEB	CHA-C1B	3.24	1.48	1.40
31	XA	202	PEB	C2C-C3C	3.24	1.47	1.37
31	K8	203	PEB	C2C-C3C	3.24	1.47	1.37
31	S4	202	PEB	CHA-C1B	3.24	1.48	1.40
31	aF	201	PEB	C2C-C3C	3.24	1.47	1.37
31	GA	202	PEB	C2A-C1A	-3.23	1.49	1.52
31	PI	202	PEB	C1A-NA	-3.23	1.33	1.37
31	b7	503	PEB	C2C-C3C	3.23	1.47	1.37
31	OH	202	PEB	CHA-C1B	3.23	1.48	1.40
31	YK	303	PEB	CHA-C1B	3.23	1.48	1.40
31	G4	201	PEB	C2A-C1A	-3.23	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	L2	1001	CYC	C3D-C2D	3.23	1.47	1.37
31	DF	201	PEB	C2C-C3C	3.23	1.47	1.37
31	Y8	203	PEB	C2C-C3C	3.23	1.47	1.37
31	UD	201	PEB	CHA-C1B	3.23	1.48	1.40
31	W5	202	PEB	C2C-C3C	3.23	1.47	1.37
31	W7	201	PEB	C2C-C3C	3.23	1.47	1.37
31	U1	202	PEB	CHA-C1B	3.23	1.48	1.40
31	QI	203	PEB	C1A-NA	-3.23	1.33	1.37
31	a4	201	PEB	C1A-NA	-3.23	1.33	1.37
31	J9	202	PEB	CHA-C1B	3.23	1.48	1.40
31	UB	201	PEB	C2A-C1A	-3.23	1.49	1.52
31	HH	201	PEB	C2A-C1A	-3.23	1.49	1.52
31	ZI	303	PEB	C2A-C1A	-3.23	1.49	1.52
31	S7	202	PEB	C2A-C1A	-3.23	1.49	1.52
31	f6	201	PEB	C2C-C3C	3.23	1.47	1.37
31	Y7	503	PEB	C2C-C3C	3.23	1.47	1.37
31	B8	201	PEB	OD-C4D	3.23	1.29	1.23
31	H9	203	PEB	C2C-C3C	3.23	1.47	1.37
31	eC	201	PEB	C2A-C1A	-3.23	1.49	1.52
31	IH	202	PEB	C2C-C3C	3.23	1.47	1.37
31	fH	203	PEB	C2C-C3C	3.23	1.47	1.37
31	fA	301	PEB	C1A-NA	-3.23	1.33	1.37
31	T8	202	PEB	C2A-C1A	-3.23	1.49	1.52
31	X7	201	PEB	C2C-C3C	3.23	1.47	1.37
31	X1	203	PEB	C2C-C3C	3.23	1.47	1.37
33	x3	1001	CYC	C3D-C2D	3.23	1.47	1.37
31	D6	1002	PEB	C2A-C1A	-3.23	1.49	1.52
31	d6	201	PEB	C1A-NA	-3.23	1.33	1.37
31	WE	202	PEB	C1A-NA	-3.22	1.33	1.37
31	TI	202	PEB	C1A-NA	-3.22	1.33	1.37
31	UE	203	PEB	OD-C4D	3.22	1.29	1.23
31	OB	201	PEB	C2C-C3C	3.22	1.47	1.37
31	SI	201	PEB	C2C-C3C	3.22	1.47	1.37
31	BG	201	PEB	CHA-C1B	3.22	1.48	1.40
31	M4	201	PEB	CHA-C1B	3.22	1.48	1.40
31	VK	203	PEB	C2C-C3C	3.22	1.47	1.37
31	XJ	201	PEB	C1A-NA	-3.22	1.33	1.37
31	V8	202	PEB	C1A-NA	-3.22	1.33	1.37
31	MK	202	PEB	CHA-C1B	3.22	1.48	1.40
31	Q6	201	PEB	C2C-C3C	3.22	1.47	1.37
31	TC	201	PEB	C2C-C3C	3.22	1.47	1.37
31	kC	203	PEB	CHA-C1B	3.22	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	UC	201	PEB	C2C-C3C	3.22	1.47	1.37
31	GA	202	PEB	C2C-C3C	3.22	1.47	1.37
31	bF	202	PEB	C1A-NA	-3.22	1.33	1.37
31	UF	202	PEB	C2C-C3C	3.22	1.47	1.37
31	WD	203	PEB	CHA-C1B	3.22	1.48	1.40
31	TI	201	PEB	CHA-C1B	3.22	1.48	1.40
31	TC	202	PEB	C2C-C3C	3.22	1.47	1.37
31	UI	204	PEB	C1A-NA	-3.22	1.33	1.37
31	Q8	201	PEB	C1A-NA	-3.22	1.33	1.37
33	L2	1001	CYC	C1B-C2B	3.22	1.50	1.45
31	SC	202	PEB	OD-C4D	3.22	1.29	1.23
31	eE	202	PEB	C1A-NA	-3.22	1.33	1.37
31	IA	201	PEB	C2C-C3C	3.22	1.47	1.37
31	LA	201	PEB	C2C-C3C	3.22	1.47	1.37
31	fB	201	PEB	C2C-C3C	3.22	1.47	1.37
31	N5	202	PEB	C1A-NA	-3.22	1.33	1.37
31	IH	201	PEB	C2A-C1A	-3.22	1.49	1.52
31	M9	303	PEB	C2C-C3C	3.22	1.47	1.37
31	dA	201	PEB	C2C-C3C	3.22	1.47	1.37
31	MH	203	PEB	C3C-C4C	3.22	1.47	1.42
31	e2	202	PEB	C1A-NA	-3.22	1.33	1.37
31	hD	201	PEB	C2C-C3C	3.21	1.47	1.37
31	hE	201	PEB	C2C-C3C	3.21	1.47	1.37
31	AG	203	PEB	C1A-NA	-3.21	1.33	1.37
31	O8	201	PEB	C1A-NA	-3.21	1.33	1.37
31	hB	202	PEB	C1A-NA	-3.21	1.33	1.37
31	d2	201	PEB	CHA-C1B	3.21	1.47	1.40
31	FJ	202	PEB	C2C-C3C	3.21	1.47	1.37
31	WJ	202	PEB	C2C-C3C	3.21	1.47	1.37
31	Y4	203	PEB	C2C-C3C	3.21	1.47	1.37
31	c6	202	PEB	C2C-C3C	3.21	1.47	1.37
31	gC	203	PEB	OD-C4D	3.21	1.29	1.23
31	FK	201	PEB	C1A-NA	-3.21	1.33	1.37
31	KA	304	PEB	C2C-C3C	3.21	1.47	1.37
31	SF	203	PEB	C2C-C3C	3.21	1.47	1.37
31	O7	203	PEB	CHA-C1B	3.21	1.47	1.40
31	KD	201	PEB	C2A-C1A	-3.21	1.49	1.52
31	eH	201	PEB	C2A-C1A	-3.21	1.49	1.52
31	VI	202	PEB	C1A-NA	-3.21	1.33	1.37
31	W1	202	PEB	OD-C4D	3.21	1.29	1.23
31	l4	201	PEB	CHA-C1B	3.21	1.47	1.40
31	DA	201	PEB	C2C-C3C	3.21	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	PB	201	PEB	C2A-C1A	-3.21	1.49	1.52
31	QF	203	PEB	C2A-C1A	-3.21	1.49	1.52
31	U9	201	PEB	CHA-C1B	3.21	1.47	1.40
31	IH	203	PEB	CHA-C1B	3.21	1.47	1.40
31	a8	201	PEB	C2C-C3C	3.21	1.47	1.37
31	T2	202	PEB	C2C-C3C	3.21	1.47	1.37
31	EH	203	PEB	C1A-NA	-3.21	1.33	1.37
31	QH	201	PEB	CHA-C1B	3.21	1.47	1.40
31	YF	203	PEB	OD-C4D	3.21	1.29	1.23
31	kB	201	PEB	C1A-NA	-3.21	1.33	1.37
31	RK	203	PEB	C2A-C1A	-3.21	1.49	1.52
31	T2	201	PEB	C2C-C3C	3.21	1.47	1.37
31	XI	202	PEB	C1A-NA	-3.21	1.33	1.37
31	TJ	202	PEB	C1A-NA	-3.21	1.33	1.37
31	jC	202	PEB	C1A-NA	-3.21	1.33	1.37
33	JC	1003	CYC	C3D-C2D	3.21	1.47	1.37
31	hA	301	PEB	C1A-NA	-3.21	1.33	1.37
31	UE	201	PEB	CHA-C1B	3.21	1.47	1.40
31	AI	202	PEB	C1A-NA	-3.21	1.33	1.37
31	l8	203	PEB	OD-C4D	3.21	1.29	1.23
32	BH	302	PUB	C3B-C2B	3.21	1.47	1.37
31	J5	203	PEB	C1A-NA	-3.21	1.33	1.37
31	a4	204	PEB	C2C-C3C	3.21	1.47	1.37
32	M9	305	PUB	CAB-C3B	3.21	1.56	1.52
31	GK	202	PEB	C1A-NA	-3.21	1.33	1.37
31	K4	201	PEB	C2A-C1A	-3.20	1.49	1.52
31	DK	202	PEB	CHA-C1B	3.20	1.47	1.40
31	u8	202	PEB	C1A-NA	-3.20	1.33	1.37
31	AH	301	PEB	CHA-C1B	3.20	1.47	1.40
31	jH	203	PEB	C2C-C3C	3.20	1.47	1.37
31	f2	203	PEB	C1A-NA	-3.20	1.33	1.37
31	kF	203	PEB	C1A-NA	-3.20	1.33	1.37
32	AD	302	PUB	C3B-C2B	3.20	1.47	1.37
31	FJ	202	PEB	OD-C4D	3.20	1.29	1.23
31	UG	201	PEB	C2C-C3C	3.20	1.47	1.37
33	H2	1001	CYC	C3D-C2D	3.20	1.47	1.37
31	V7	202	PEB	C2C-C3C	3.20	1.47	1.37
31	Y7	502	PEB	C2C-C3C	3.20	1.47	1.37
31	GF	201	PEB	C2A-C1A	-3.20	1.49	1.52
31	F5	203	PEB	C2A-C1A	-3.20	1.49	1.52
31	UG	201	PEB	C2A-C1A	-3.20	1.49	1.52
31	DJ	201	PEB	C2A-C1A	-3.20	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	K7	201	PEB	C2C-C3C	3.20	1.47	1.37
31	e8	203	PEB	C2C-C3C	3.20	1.47	1.37
33	LC	1001	CYC	C3D-C2D	3.20	1.47	1.37
31	h2	201	PEB	OD-C4D	3.20	1.29	1.23
31	UC	203	PEB	CHA-C1B	3.20	1.47	1.40
31	mF	201	PEB	C2C-C3C	3.20	1.47	1.37
31	O9	202	PEB	C2A-C1A	-3.20	1.49	1.52
31	D2	1002	PEB	C1A-NA	-3.20	1.33	1.37
31	H6	1002	PEB	C2C-C3C	3.20	1.47	1.37
31	l4	201	PEB	C2C-C3C	3.20	1.47	1.37
31	jF	201	PEB	C2C-C3C	3.20	1.47	1.37
31	sF	203	PEB	C2C-C3C	3.20	1.47	1.37
31	C8	203	PEB	C1A-NA	-3.20	1.33	1.37
31	fD	203	PEB	C1A-NA	-3.20	1.33	1.37
31	mE	202	PEB	C2C-C3C	3.20	1.47	1.37
31	O1	201	PEB	CHA-C1B	3.20	1.47	1.40
31	Y7	503	PEB	C2A-C1A	-3.20	1.49	1.52
31	EI	202	PEB	C1A-NA	-3.20	1.33	1.37
31	II	202	PEB	C1A-NA	-3.20	1.33	1.37
31	h4	203	PEB	C1A-NA	-3.20	1.33	1.37
31	M1	201	PEB	CHA-C1B	3.20	1.47	1.40
31	WH	201	PEB	C2C-C3C	3.19	1.47	1.37
31	P7	201	PEB	C2C-C3C	3.19	1.47	1.37
31	Q8	202	PEB	OD-C4D	3.19	1.29	1.23
31	MI	302	PEB	C2C-C3C	3.19	1.47	1.37
31	dD	201	PEB	C2C-C3C	3.19	1.47	1.37
31	VC	202	PEB	C1A-NA	-3.19	1.33	1.37
31	hH	201	PEB	C1A-NA	-3.19	1.33	1.37
31	U7	203	PEB	CHA-C1B	3.19	1.47	1.40
31	TH	201	PEB	C2A-C1A	-3.19	1.49	1.52
31	F6	1002	PEB	C2C-C3C	3.19	1.47	1.37
31	U9	201	PEB	C2C-C3C	3.19	1.47	1.37
31	eF	203	PEB	C2C-C3C	3.19	1.47	1.37
31	iF	202	PEB	C2C-C3C	3.19	1.47	1.37
31	I8	201	PEB	C2C-C3C	3.19	1.47	1.37
33	N6	1001	CYC	C3D-C2D	3.19	1.47	1.37
31	X5	201	PEB	C2C-C3C	3.19	1.47	1.37
31	cA	401	PEB	C2C-C3C	3.19	1.47	1.37
31	m8	201	PEB	C1A-NA	-3.19	1.33	1.37
31	JI	202	PEB	C2C-C3C	3.19	1.47	1.37
31	RI	202	PEB	C1A-NA	-3.19	1.33	1.37
31	tF	202	PEB	C1A-NA	-3.19	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	RA	201	PEB	C2C-C3C	3.19	1.47	1.37
31	VA	202	PEB	C2C-C3C	3.19	1.47	1.37
31	KI	202	PEB	C1A-NA	-3.19	1.33	1.37
31	D5	202	PEB	C2A-C1A	-3.19	1.49	1.52
31	OH	202	PEB	C2C-C3C	3.19	1.47	1.37
31	AC	302	PEB	C1A-NA	-3.19	1.33	1.37
31	S2	202	PEB	OD-C4D	3.19	1.29	1.23
31	dE	201	PEB	C2C-C3C	3.19	1.47	1.37
33	HC	1001	CYC	C3D-C2D	3.19	1.47	1.37
31	DA	203	PEB	C2C-C3C	3.19	1.47	1.37
31	l8	202	PEB	C1A-NA	-3.19	1.33	1.37
31	wF	301	PEB	CHA-C1B	3.19	1.47	1.40
31	EK	202	PEB	OD-C4D	3.19	1.29	1.23
31	S2	201	PEB	C2C-C3C	3.19	1.47	1.37
31	DJ	203	PEB	C1A-NA	-3.19	1.33	1.37
31	TJ	203	PEB	C1A-NA	-3.19	1.33	1.37
32	AE	303	PUB	OD-C4D	3.19	1.29	1.23
31	YG	202	PEB	C2C-C3C	3.19	1.47	1.37
31	P5	201	PEB	C2C-C3C	3.19	1.47	1.37
31	B9	203	PEB	C2C-C3C	3.19	1.47	1.37
31	BG	203	PEB	C2C-C3C	3.19	1.47	1.37
31	N4	201	PEB	C2C-C3C	3.19	1.47	1.37
31	o8	202	PEB	C1A-NA	-3.18	1.33	1.37
31	VJ	202	PEB	OD-C4D	3.18	1.29	1.23
31	KH	201	PEB	C2C-C3C	3.18	1.47	1.37
31	SI	202	PEB	C2C-C3C	3.18	1.47	1.37
31	t8	201	PEB	C2A-C1A	-3.18	1.49	1.52
31	A2	302	PEB	C1A-NA	-3.18	1.33	1.37
31	mF	201	PEB	C1A-NA	-3.18	1.33	1.37
31	D8	201	PEB	C2C-C3C	3.18	1.47	1.37
33	GD	201	CYC	C3D-C2D	3.18	1.47	1.37
31	D1	202	PEB	CHA-C1B	3.18	1.47	1.40
31	bD	201	PEB	C2C-C3C	3.18	1.47	1.37
31	O6	201	PEB	C2C-C3C	3.18	1.47	1.37
31	V1	203	PEB	C2C-C3C	3.18	1.47	1.37
31	HG	203	PEB	OD-C4D	3.18	1.29	1.23
31	U2	203	PEB	CHA-C1B	3.18	1.47	1.40
31	NG	203	PEB	C1A-NA	-3.18	1.33	1.37
31	M9	301	PEB	C1A-NA	-3.18	1.33	1.37
31	U4	201	PEB	CHA-C1B	3.18	1.47	1.40
31	Y8	203	PEB	OD-C4D	3.18	1.29	1.23
31	i8	202	PEB	C2C-C3C	3.18	1.47	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	m6	203	PEB	C1A-NA	-3.18	1.33	1.37
31	UK	202	PEB	CHA-C1B	3.18	1.47	1.40
31	UD	203	PEB	OD-C4D	3.18	1.29	1.23
31	V5	202	PEB	OD-C4D	3.18	1.29	1.23
31	I4	201	PEB	CHA-C1B	3.18	1.47	1.40
31	A2	305	PEB	C1A-NA	-3.18	1.33	1.37
31	CA	202	PEB	C2A-C1A	-3.18	1.49	1.52
33	F2	1001	CYC	C2C-C1C	-3.18	1.49	1.52
31	PK	202	PEB	CHA-C1B	3.18	1.47	1.40
31	K7	201	PEB	CHC-C4C	3.18	1.58	1.50
31	WK	202	PEB	C1A-NA	-3.18	1.33	1.37
31	M4	203	PEB	C1A-NA	-3.18	1.33	1.37
31	WB	201	PEB	CHA-C1B	3.18	1.47	1.40
31	VG	203	PEB	C1A-NA	-3.18	1.33	1.37
31	XF	201	PEB	C2C-C3C	3.18	1.47	1.37
31	WE	202	PEB	C2A-C1A	-3.18	1.49	1.52
33	E2	1001	CYC	C3D-C2D	3.18	1.47	1.37
31	h4	201	PEB	C1A-NA	-3.18	1.33	1.37
31	mB	203	PEB	C1A-NA	-3.18	1.33	1.37
31	oF	203	PEB	C1A-NA	-3.17	1.33	1.37
31	HA	202	PEB	C2C-C3C	3.17	1.47	1.37
31	D5	203	PEB	OD-C4D	3.17	1.29	1.23
31	YH	202	PEB	C2C-C3C	3.17	1.47	1.37
31	U2	201	PEB	C2C-C3C	3.17	1.47	1.37
31	hH	201	PEB	CHA-C1B	3.17	1.47	1.40
31	jD	201	PEB	C2A-C1A	-3.17	1.49	1.52
31	q8	201	PEB	C2C-C3C	3.17	1.47	1.37
31	lF	203	PEB	C2C-C3C	3.17	1.47	1.37
31	TJ	201	PEB	OD-C4D	3.17	1.29	1.23
31	O5	202	PEB	C2A-C1A	-3.17	1.49	1.52
31	IA	203	PEB	C2C-C3C	3.17	1.47	1.37
31	fE	203	PEB	C1A-NA	-3.17	1.33	1.37
31	BG	202	PEB	OD-C4D	3.17	1.29	1.23
33	M3	1001	CYC	C1B-C2B	3.17	1.50	1.45
33	f3	1001	CYC	C1B-C2B	3.17	1.50	1.45
31	Y2	201	PEB	C2A-C1A	-3.17	1.49	1.52
31	V2	203	PEB	C2C-C3C	3.17	1.47	1.37
31	i2	202	PEB	C1A-NA	-3.17	1.33	1.37
31	V2	202	PEB	C2A-C1A	-3.17	1.49	1.52
33	CE	1001	CYC	C2C-C1C	-3.17	1.49	1.52
33	h3	1001	CYC	C1B-C2B	3.17	1.50	1.45
31	Q8	203	PEB	C2A-C1A	-3.17	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	CI	202	PEB	C1A-NA	-3.17	1.33	1.37
31	J2	1002	PEB	C1A-NA	-3.17	1.33	1.37
33	q3	1001	CYC	C1B-C2B	3.17	1.50	1.45
31	N5	203	PEB	OD-C4D	3.17	1.29	1.23
31	IF	201	PEB	C2C-C3C	3.17	1.47	1.37
31	ZI	301	PEB	C2C-C3C	3.17	1.47	1.37
31	LI	202	PEB	C2C-C3C	3.17	1.47	1.37
31	h6	201	PEB	C2A-C1A	-3.17	1.49	1.52
31	dC	201	PEB	CHA-C1B	3.17	1.47	1.40
31	RE	202	PEB	C2A-C1A	-3.17	1.49	1.52
31	FB	1002	PEB	C2C-C3C	3.17	1.47	1.37
33	DC	1001	CYC	C1C-NC	-3.17	1.33	1.37
31	QF	201	PEB	C2C-C3C	3.17	1.47	1.37
31	SA	201	PEB	C2C-C3C	3.17	1.47	1.37
31	HA	202	PEB	C2A-C1A	-3.17	1.49	1.52
31	b7	502	PEB	C2A-C1A	-3.17	1.49	1.52
31	B9	202	PEB	CHA-C1B	3.16	1.47	1.40
31	j4	203	PEB	C2C-C3C	3.16	1.47	1.37
33	FE	1001	CYC	C3D-C2D	3.16	1.47	1.37
31	FJ	203	PEB	C2A-C1A	-3.16	1.49	1.52
31	m6	201	PEB	C2A-C1A	-3.16	1.49	1.52
31	M9	301	PEB	C2C-C3C	3.16	1.47	1.37
31	BI	203	PEB	C1A-NA	-3.16	1.33	1.37
31	GI	202	PEB	C1A-NA	-3.16	1.33	1.37
31	R4	201	PEB	C2C-C3C	3.16	1.47	1.37
31	eC	203	PEB	CHA-C1B	3.16	1.47	1.40
31	s8	203	PEB	C2C-C3C	3.16	1.47	1.37
31	T2	202	PEB	C1A-NA	-3.16	1.33	1.37
31	o8	203	PEB	C1A-NA	-3.16	1.33	1.37
31	Z9	301	PEB	C1A-NA	-3.16	1.33	1.37
31	GK	201	PEB	C2C-C3C	3.16	1.47	1.37
31	sF	202	PEB	C1A-NA	-3.16	1.33	1.37
33	NB	1001	CYC	C3D-C2D	3.16	1.47	1.37
31	sF	202	PEB	OD-C4D	3.16	1.29	1.23
31	l8	203	PEB	C2C-C3C	3.16	1.47	1.37
31	F9	201	PEB	C2A-C1A	-3.16	1.49	1.52
31	eC	202	PEB	C1A-NA	-3.16	1.33	1.37
32	ZI	305	PUB	OD-C4D	3.16	1.29	1.23
31	V2	202	PEB	C1A-NA	-3.16	1.33	1.37
31	bA	201	PEB	C2C-C3C	3.16	1.47	1.37
32	CI	203	PUB	OD-C4D	3.16	1.29	1.23
33	u3	1001	CYC	C1B-C2B	3.16	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	LG	201	PEB	C2C-C3C	3.16	1.47	1.37
31	hB	201	PEB	C2A-C1A	-3.16	1.49	1.52
31	YH	203	PEB	CHA-C1B	3.16	1.47	1.40
33	o3	1001	CYC	C1B-C2B	3.16	1.50	1.45
31	t8	202	PEB	C1A-NA	-3.16	1.33	1.37
31	SH	203	PEB	CHA-C1B	3.16	1.47	1.40
31	j2	202	PEB	C1A-NA	-3.16	1.33	1.37
31	b2	203	PEB	CHA-C1B	3.16	1.47	1.40
31	o8	203	PEB	OD-C4D	3.16	1.29	1.23
31	QB	201	PEB	CHA-C1B	3.15	1.47	1.40
31	JF	201	PEB	C2C-C3C	3.15	1.47	1.37
31	YH	201	PEB	CHA-C1B	3.15	1.47	1.40
31	Z9	301	PEB	C2C-C3C	3.15	1.47	1.37
31	Q1	202	PEB	C2C-C3C	3.15	1.47	1.37
31	S9	201	PEB	C2A-C1A	-3.15	1.49	1.52
33	Q3	1001	CYC	C1B-C2B	3.15	1.50	1.45
31	b6	202	PEB	C1A-NA	-3.15	1.33	1.37
31	iH	202	PEB	C2A-C1A	-3.15	1.49	1.52
31	Q8	201	PEB	C2C-C3C	3.15	1.47	1.37
33	S3	1001	CYC	C1B-C2B	3.15	1.50	1.45
31	b7	501	PEB	C2C-C3C	3.15	1.47	1.37
31	j2	203	PEB	C2C-C3C	3.15	1.47	1.37
31	BF	201	PEB	C2C-C3C	3.15	1.47	1.37
31	MI	305	PEB	C1A-NA	-3.15	1.33	1.37
31	eF	201	PEB	C2C-C3C	3.15	1.47	1.37
31	b7	503	PEB	C2A-C1A	-3.15	1.49	1.52
31	QC	201	PEB	CHA-C1B	3.15	1.47	1.40
31	W1	202	PEB	C1A-NA	-3.15	1.33	1.37
31	h4	201	PEB	C2C-C3C	3.15	1.47	1.37
31	MK	201	PEB	CHA-C1B	3.15	1.47	1.40
31	j4	203	PEB	CHA-C1B	3.15	1.47	1.40
31	DH	201	PEB	C2A-C1A	-3.15	1.49	1.52
31	OC	202	PEB	CHA-C1B	3.15	1.47	1.40
31	EJ	201	PEB	C2C-C3C	3.15	1.47	1.37
31	O8	203	PEB	OD-C4D	3.15	1.29	1.23
31	h8	201	PEB	C2A-C1A	-3.15	1.49	1.52
31	HG	202	PEB	C2C-C3C	3.15	1.47	1.37
31	WG	202	PEB	C2C-C3C	3.15	1.47	1.37
31	QD	203	PEB	OD-C4D	3.15	1.29	1.23
31	G8	201	PEB	C2A-C1A	-3.15	1.49	1.52
33	j3	1001	CYC	C1B-C2B	3.15	1.50	1.45
31	GF	203	PEB	OD-C4D	3.15	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	jD	201	PEB	C1A-NA	-3.15	1.33	1.37
31	D1	201	PEB	C2A-C1A	-3.14	1.49	1.52
31	H9	202	PEB	C2C-C3C	3.14	1.47	1.37
31	I5	201	PEB	C2C-C3C	3.14	1.47	1.37
31	O2	202	PEB	CHA-C1B	3.14	1.47	1.40
31	V5	201	PEB	CHA-C1B	3.14	1.47	1.40
33	F3	1001	CYC	C1B-C2B	3.14	1.50	1.45
33	w3	1001	CYC	C1B-C2B	3.14	1.50	1.45
31	MF	203	PEB	C2C-C3C	3.14	1.47	1.37
31	XJ	201	PEB	C2C-C3C	3.14	1.47	1.37
31	jC	203	PEB	C2C-C3C	3.14	1.47	1.37
33	JB	1001	CYC	C2C-C1C	-3.14	1.49	1.52
33	FD	201	CYC	C3D-C2D	3.14	1.47	1.37
31	AA	501	PEB	C2C-C3C	3.14	1.47	1.37
31	YG	201	PEB	C2C-C3C	3.14	1.47	1.37
31	WJ	202	PEB	C1A-NA	-3.14	1.33	1.37
31	HK	201	PEB	C2A-C1A	-3.14	1.49	1.52
31	M4	201	PEB	C2A-C1A	-3.14	1.49	1.52
31	yF	301	PEB	C2A-C1A	-3.14	1.49	1.52
33	FD	202	CYC	C2C-C1C	-3.14	1.49	1.52
31	SF	202	PEB	C2C-C3C	3.14	1.47	1.37
31	mD	202	PEB	C2C-C3C	3.14	1.47	1.37
31	GA	201	PEB	C2A-C1A	-3.14	1.49	1.52
31	W4	203	PEB	C2A-C1A	-3.14	1.49	1.52
31	aH	204	PEB	CHA-C1B	3.14	1.47	1.40
31	W6	201	PEB	C2C-C3C	3.14	1.47	1.37
31	KA	303	PEB	C1A-NA	-3.14	1.33	1.37
31	R5	201	PEB	C1A-NA	-3.14	1.33	1.37
31	gF	202	PEB	C1A-NA	-3.14	1.33	1.37
31	dC	201	PEB	C2C-C3C	3.14	1.47	1.37
31	Y2	202	PEB	C2C-C3C	3.14	1.47	1.37
31	Q9	202	PEB	C2C-C3C	3.14	1.47	1.37
31	D1	201	PEB	C1A-NA	-3.14	1.33	1.37
31	U5	201	PEB	OD-C4D	3.14	1.29	1.23
31	j8	201	PEB	C2C-C3C	3.14	1.47	1.37
31	A4	302	PEB	C1A-NA	-3.14	1.33	1.37
31	G1	201	PEB	C2C-C3C	3.14	1.47	1.37
31	S8	202	PEB	C2C-C3C	3.14	1.47	1.37
31	YC	202	PEB	C2A-C1A	-3.14	1.49	1.52
33	73	1001	CYC	C1B-C2B	3.14	1.50	1.45
31	B8	201	PEB	C2C-C3C	3.14	1.47	1.37
31	R5	202	PEB	OD-C4D	3.14	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	W9	201	PEB	C2C-C3C	3.14	1.47	1.37
33	BE	1001	CYC	C3D-C2D	3.14	1.47	1.37
31	M5	202	PEB	C1A-NA	-3.14	1.33	1.37
31	OJ	202	PEB	C2A-C1A	-3.14	1.49	1.52
33	U3	1001	CYC	C1B-C2B	3.14	1.50	1.45
33	CB	1001	CYC	C3D-C2D	3.14	1.47	1.37
33	GE	201	CYC	C3D-C2D	3.14	1.47	1.37
31	Q6	201	PEB	CHA-C1B	3.14	1.47	1.40
31	QK	202	PEB	C2C-C3C	3.14	1.47	1.37
31	KK	202	PEB	C1A-NA	-3.14	1.33	1.37
31	kD	202	PEB	C2A-C1A	-3.13	1.49	1.52
31	sF	203	PEB	C2A-C1A	-3.13	1.49	1.52
33	LC	1001	CYC	C1B-C2B	3.13	1.50	1.45
31	F9	201	PEB	CHA-C1B	3.13	1.47	1.40
31	A8	201	PEB	C2A-C1A	-3.13	1.49	1.52
31	VC	203	PEB	C1A-NA	-3.13	1.33	1.37
31	f4	203	PEB	CHA-C1B	3.13	1.47	1.40
31	A5	304	PEB	OD-C4D	3.13	1.29	1.23
31	RA	201	PEB	C2A-C1A	-3.13	1.49	1.52
31	lF	203	PEB	OD-C4D	3.13	1.29	1.23
33	I3	1001	CYC	C1B-C2B	3.13	1.50	1.45
31	SF	201	PEB	CHA-C1B	3.13	1.47	1.40
31	K8	203	PEB	OD-C4D	3.13	1.29	1.23
31	qF	201	PEB	C2C-C3C	3.13	1.46	1.37
31	W9	202	PEB	C2A-C1A	-3.13	1.49	1.52
31	QC	202	PEB	C2C-C3C	3.13	1.46	1.37
33	C6	1001	CYC	C3D-C2D	3.13	1.46	1.37
31	Q1	202	PEB	OD-C4D	3.13	1.29	1.23
31	k8	203	PEB	C1A-NA	-3.13	1.33	1.37
31	S4	203	PEB	C2C-C3C	3.13	1.46	1.37
31	QA	203	PEB	C2C-C3C	3.13	1.46	1.37
31	K8	201	PEB	C2A-C1A	-3.13	1.49	1.52
31	J8	201	PEB	C2C-C3C	3.13	1.46	1.37
33	p3	1001	CYC	C1B-C2B	3.13	1.50	1.45
31	f4	203	PEB	C2C-C3C	3.13	1.46	1.37
31	AG	203	PEB	OD-C4D	3.13	1.29	1.23
33	D3	1001	CYC	C1B-C2B	3.13	1.50	1.45
33	d3	1001	CYC	C1B-C2B	3.13	1.50	1.45
31	X8	203	PEB	C2A-C1A	-3.13	1.49	1.52
31	U9	202	PEB	C2C-C3C	3.13	1.46	1.37
33	O3	1001	CYC	C1B-C2B	3.12	1.50	1.45
31	E4	202	PEB	C2A-C1A	-3.12	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	K2	201	CYC	C2C-C1C	-3.12	1.49	1.52
31	OD	203	PEB	CHA-C1B	3.12	1.47	1.40
31	RF	201	PEB	C2C-C3C	3.12	1.46	1.37
31	d2	201	PEB	C2C-C3C	3.12	1.46	1.37
33	BD	1001	CYC	C3D-C2D	3.12	1.46	1.37
33	e3	1001	CYC	C1B-C2B	3.12	1.50	1.45
31	Y4	201	PEB	C2A-C1A	-3.12	1.49	1.52
31	RG	203	PEB	C1A-NA	-3.12	1.33	1.37
31	YC	202	PEB	C2C-C3C	3.12	1.46	1.37
31	EJ	202	PEB	C2C-C3C	3.12	1.46	1.37
31	NK	203	PEB	C2C-C3C	3.12	1.46	1.37
31	YI	203	PEB	C1A-NA	-3.12	1.33	1.37
31	X5	202	PEB	C1A-NA	-3.12	1.33	1.37
31	WI	202	PEB	C4B-C3B	3.12	1.50	1.45
31	CK	201	PEB	C2C-C3C	3.12	1.46	1.37
31	aH	204	PEB	C2C-C3C	3.12	1.46	1.37
31	UH	203	PEB	C1A-NA	-3.12	1.33	1.37
31	IJ	201	PEB	C2C-C3C	3.12	1.46	1.37
31	ND	201	PEB	C2A-C1A	-3.12	1.49	1.52
33	k3	1001	CYC	C1B-C2B	3.12	1.50	1.45
31	RC	201	PEB	C1A-NA	-3.12	1.33	1.37
31	OI	201	PEB	C4B-C3B	3.12	1.50	1.45
31	RJ	202	PEB	OD-C4D	3.12	1.29	1.23
31	O9	202	PEB	C2C-C3C	3.12	1.46	1.37
33	EC	1001	CYC	C3D-C2D	3.12	1.46	1.37
33	BE	1002	CYC	C3D-C2D	3.12	1.46	1.37
31	UI	201	PEB	C2A-C1A	-3.12	1.49	1.52
31	b8	202	PEB	C1A-NA	-3.12	1.33	1.37
31	IE	201	PEB	C1A-NA	-3.12	1.33	1.37
31	XF	203	PEB	C2A-C1A	-3.12	1.49	1.52
31	H9	201	PEB	C4D-ND	3.12	1.39	1.35
31	IA	202	PEB	C2C-C3C	3.12	1.46	1.37
33	A3	1001	CYC	C1B-C2B	3.12	1.50	1.45
31	OE	203	PEB	CHA-C1B	3.12	1.47	1.40
31	J4	201	PEB	C2A-C1A	-3.12	1.49	1.52
33	FB	1001	CYC	C3D-C2D	3.12	1.46	1.37
31	UJ	201	PEB	OD-C4D	3.12	1.29	1.23
31	h6	202	PEB	C1A-NA	-3.12	1.33	1.37
31	ZE	201	PEB	C2A-C1A	-3.11	1.49	1.52
31	V7	201	PEB	C2A-C1A	-3.11	1.49	1.52
31	OI	202	PEB	CHA-C1B	3.11	1.47	1.40
31	H1	202	PEB	CHA-C1B	3.11	1.47	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aA	202	PEB	C2C-C3C	3.11	1.46	1.37
31	E4	201	PEB	CHA-C1B	3.11	1.47	1.40
31	NJ	203	PEB	OD-C4D	3.11	1.29	1.23
31	P1	202	PEB	CHA-C1B	3.11	1.47	1.40
31	N1	203	PEB	C2C-C3C	3.11	1.46	1.37
31	NB	1002	PEB	C2A-C1A	-3.11	1.49	1.52
31	HJ	203	PEB	C1A-NA	-3.11	1.33	1.37
31	PJ	201	PEB	C2C-C3C	3.11	1.46	1.37
31	R1	203	PEB	C2A-C1A	-3.11	1.49	1.52
33	l3	1001	CYC	C1B-C2B	3.11	1.50	1.45
31	J7	202	PEB	C2C-C3C	3.11	1.46	1.37
33	BD	1002	CYC	C3D-C2D	3.11	1.46	1.37
31	MH	202	PEB	C2C-C3C	3.11	1.46	1.37
33	H3	1001	CYC	C1B-C2B	3.11	1.50	1.45
31	G7	202	PEB	C2A-C1A	-3.11	1.49	1.52
31	MA	201	PEB	C2C-C3C	3.11	1.46	1.37
31	MH	203	PEB	C2C-C3C	3.11	1.46	1.37
31	DK	202	PEB	C2C-C3C	3.11	1.46	1.37
31	J1	202	PEB	C2C-C3C	3.11	1.46	1.37
31	hH	201	PEB	C2C-C3C	3.11	1.46	1.37
31	BI	201	PEB	C1A-NA	-3.11	1.33	1.37
33	B3	1001	CYC	C1B-C2B	3.11	1.50	1.45
31	DF	203	PEB	CHA-C1B	3.11	1.47	1.40
31	UK	202	PEB	OD-C4D	3.11	1.29	1.23
31	LJ	202	PEB	C2A-C1A	-3.11	1.49	1.52
31	WB	201	PEB	C2C-C3C	3.11	1.46	1.37
31	S9	203	PEB	C2C-C3C	3.11	1.46	1.37
32	yF	302	PUB	C3B-C2B	3.11	1.46	1.37
31	W5	202	PEB	C1A-NA	-3.11	1.33	1.37
31	WG	202	PEB	C1A-NA	-3.11	1.33	1.37
31	SC	201	PEB	C2A-C1A	-3.10	1.49	1.52
31	wF	302	PEB	C1A-NA	-3.10	1.33	1.37
31	VC	203	PEB	C2C-C3C	3.10	1.46	1.37
31	j2	201	PEB	CHA-C1B	3.10	1.47	1.40
33	G3	1001	CYC	C1B-C2B	3.10	1.50	1.45
33	N3	1001	CYC	C1B-C2B	3.10	1.50	1.45
31	L9	202	PEB	C2C-C3C	3.10	1.46	1.37
31	Y9	202	PEB	C2C-C3C	3.10	1.46	1.37
32	AD	303	PUB	OD-C4D	3.10	1.29	1.23
31	YF	203	PEB	C2C-C3C	3.10	1.46	1.37
31	E4	201	PEB	C2C-C3C	3.10	1.46	1.37
31	QG	201	PEB	C2C-C3C	3.10	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A8	202	PEB	OD-C4D	3.10	1.29	1.23
31	LG	202	PEB	C2C-C3C	3.10	1.46	1.37
31	TC	202	PEB	C1A-NA	-3.10	1.33	1.37
31	N1	201	PEB	C2C-C3C	3.10	1.46	1.37
31	O9	203	PEB	C2C-C3C	3.10	1.46	1.37
31	S8	201	PEB	CHA-C1B	3.10	1.47	1.40
31	GH	202	PEB	C1A-NA	-3.10	1.33	1.37
31	g8	202	PEB	C1A-NA	-3.10	1.33	1.37
31	XH	201	PEB	C2A-C1A	-3.10	1.49	1.52
31	C1	201	PEB	C2C-C3C	3.10	1.46	1.37
33	73	1001	CYC	C3D-C2D	3.10	1.46	1.37
31	JC	1002	PEB	C1A-NA	-3.10	1.33	1.37
31	k8	202	PEB	OD-C4D	3.10	1.29	1.23
31	HA	201	PEB	C2C-C3C	3.10	1.46	1.37
31	eC	203	PEB	C2C-C3C	3.10	1.46	1.37
31	CJ	202	PEB	C2A-C1A	-3.10	1.49	1.52
31	XH	202	PEB	C2A-C1A	-3.10	1.49	1.52
33	FC	1001	CYC	C2C-C1C	-3.10	1.49	1.52
33	n3	1001	CYC	C1B-C2B	3.10	1.50	1.45
31	W6	201	PEB	CHA-C1B	3.10	1.47	1.40
33	K3	1001	CYC	C1B-C2B	3.10	1.50	1.45
33	g3	1001	CYC	C1B-C2B	3.10	1.50	1.45
33	m3	1001	CYC	C1B-C2B	3.10	1.50	1.45
33	t3	1001	CYC	C1B-C2B	3.10	1.50	1.45
33	v3	1001	CYC	C1B-C2B	3.10	1.50	1.45
31	i8	201	PEB	C2C-C3C	3.10	1.46	1.37
31	VC	202	PEB	C2A-C1A	-3.10	1.49	1.52
31	SK	202	PEB	C1A-NA	-3.10	1.33	1.37
31	s8	201	PEB	C1A-NA	-3.10	1.33	1.37
33	T3	1001	CYC	C1B-C2B	3.10	1.50	1.45
31	DG	202	PEB	C1A-NA	-3.10	1.33	1.37
33	q3	1001	CYC	C3D-C2D	3.10	1.46	1.37
31	SJ	201	PEB	C2A-C1A	-3.10	1.49	1.52
31	ZG	401	PEB	C1A-NA	-3.09	1.33	1.37
33	c3	1001	CYC	C1B-C2B	3.09	1.50	1.45
31	jF	202	PEB	C2A-C1A	-3.09	1.49	1.52
31	X8	201	PEB	C2C-C3C	3.09	1.46	1.37
33	w3	1001	CYC	C3D-C2D	3.09	1.46	1.37
31	R2	201	PEB	C1A-NA	-3.09	1.33	1.37
31	SA	201	PEB	C2A-C1A	-3.09	1.49	1.52
31	gF	203	PEB	C2C-C3C	3.09	1.46	1.37
31	L8	201	PEB	C2C-C3C	3.09	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aD	201	PEB	C2A-C1A	-3.09	1.49	1.52
31	uF	203	PEB	OD-C4D	3.09	1.29	1.23
31	S1	202	PEB	C1A-NA	-3.09	1.33	1.37
31	i8	201	PEB	C1A-NA	-3.09	1.33	1.37
31	w8	302	PEB	C1A-NA	-3.09	1.33	1.37
31	kF	202	PEB	C1A-NA	-3.09	1.33	1.37
31	Q2	202	PEB	C2C-C3C	3.09	1.46	1.37
31	M8	203	PEB	C2C-C3C	3.09	1.46	1.37
31	KE	201	PEB	C2A-C1A	-3.09	1.49	1.52
31	bB	201	PEB	C2A-C1A	-3.09	1.49	1.52
33	L3	1001	CYC	C1B-C2B	3.09	1.50	1.45
31	oF	203	PEB	OD-C4D	3.09	1.29	1.23
31	k8	202	PEB	C1A-NA	-3.09	1.33	1.37
33	M3	1001	CYC	C3D-C2D	3.09	1.46	1.37
31	K1	202	PEB	C1A-NA	-3.09	1.33	1.37
33	Q3	1001	CYC	C3D-C2D	3.09	1.46	1.37
31	H6	1002	PEB	C2A-C1A	-3.09	1.49	1.52
31	AJ	304	PEB	OD-C4D	3.09	1.29	1.23
31	KF	203	PEB	OD-C4D	3.09	1.29	1.23
33	k3	1001	CYC	C3D-C2D	3.09	1.46	1.37
33	o3	1001	CYC	C3D-C2D	3.09	1.46	1.37
31	YC	201	PEB	C2A-C1A	-3.09	1.49	1.52
31	LG	201	PEB	C2A-C1A	-3.09	1.49	1.52
31	H1	201	PEB	C2A-C1A	-3.09	1.49	1.52
31	N4	202	PEB	C2A-C1A	-3.09	1.49	1.52
31	fC	202	PEB	OD-C4D	3.09	1.29	1.23
31	D1	202	PEB	C2C-C3C	3.09	1.46	1.37
31	NG	203	PEB	OD-C4D	3.09	1.29	1.23
31	kF	202	PEB	OD-C4D	3.09	1.29	1.23
31	RJ	203	PEB	CHA-C1B	3.08	1.47	1.40
31	jH	203	PEB	CHA-C1B	3.08	1.47	1.40
33	r3	1001	CYC	C1B-C2B	3.08	1.50	1.45
31	AF	202	PEB	OD-C4D	3.08	1.29	1.23
31	a2	202	PEB	C1A-NA	-3.08	1.33	1.37
31	H9	201	PEB	C2C-C3C	3.08	1.46	1.37
33	n3	1001	CYC	C3D-C2D	3.08	1.46	1.37
31	Q4	201	PEB	C2C-C3C	3.08	1.46	1.37
31	S8	203	PEB	OD-C4D	3.08	1.29	1.23
31	l4	203	PEB	C1A-NA	-3.08	1.33	1.37
31	WD	201	PEB	C2A-C1A	-3.08	1.49	1.52
31	JJ	203	PEB	CHA-C1B	3.08	1.47	1.40
33	F6	1001	CYC	C3D-C2D	3.08	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	E5	201	PEB	C2C-C3C	3.08	1.46	1.37
33	h3	1001	CYC	C3D-C2D	3.08	1.46	1.37
31	X4	202	PEB	C2A-C1A	-3.08	1.49	1.52
31	JK	202	PEB	C2C-C3C	3.08	1.46	1.37
31	g2	202	PEB	OD-C4D	3.08	1.29	1.23
31	fE	202	PEB	OD-C4D	3.08	1.29	1.23
31	YG	201	PEB	C2A-C1A	-3.08	1.49	1.52
31	H9	202	PEB	CHA-C1B	3.08	1.47	1.40
31	R8	201	PEB	C2C-C3C	3.08	1.46	1.37
31	H5	203	PEB	C1A-NA	-3.08	1.33	1.37
33	F3	1001	CYC	C3D-C2D	3.08	1.46	1.37
31	QE	203	PEB	OD-C4D	3.08	1.29	1.23
31	LJ	201	PEB	CHA-C1B	3.08	1.47	1.40
31	LF	201	PEB	C2C-C3C	3.08	1.46	1.37
31	e8	201	PEB	C2C-C3C	3.08	1.46	1.37
31	LC	1002	PEB	CHA-C1B	3.08	1.47	1.40
31	FI	202	PEB	CHA-C1B	3.08	1.47	1.40
31	BH	301	PEB	C2A-C1A	-3.08	1.49	1.52
33	I3	1001	CYC	C3D-C2D	3.08	1.46	1.37
31	pF	202	PEB	C4B-C3B	3.08	1.50	1.45
33	u3	1001	CYC	C3D-C2D	3.08	1.46	1.37
31	IA	201	PEB	C2A-C1A	-3.08	1.49	1.52
31	C1	201	PEB	C2A-C1A	-3.08	1.49	1.52
31	s8	203	PEB	C2A-C1A	-3.08	1.49	1.52
31	HJ	203	PEB	OD-C4D	3.07	1.29	1.23
31	VJ	203	PEB	C2C-C3C	3.07	1.46	1.37
31	Q2	201	PEB	CHA-C1B	3.07	1.47	1.40
31	YH	203	PEB	C2C-C3C	3.07	1.46	1.37
31	D8	203	PEB	CHA-C1B	3.07	1.47	1.40
31	T5	201	PEB	OD-C4D	3.07	1.29	1.23
33	U3	1001	CYC	C3D-C2D	3.07	1.46	1.37
31	Z4	201	PEB	C2A-C1A	-3.07	1.49	1.52
31	HK	202	PEB	CHA-C1B	3.07	1.47	1.40
33	J3	1001	CYC	C1B-C2B	3.07	1.50	1.45
31	lF	202	PEB	C1A-NA	-3.07	1.33	1.37
31	FG	201	PEB	C2C-C3C	3.07	1.46	1.37
31	R5	203	PEB	CHA-C1B	3.07	1.47	1.40
33	L3	1001	CYC	C3D-C2D	3.07	1.46	1.37
31	RB	203	PEB	C1A-NA	-3.07	1.33	1.37
33	P3	1001	CYC	C1B-C2B	3.07	1.50	1.45
33	H3	1001	CYC	C3D-C2D	3.07	1.46	1.37
33	S3	1001	CYC	C3D-C2D	3.07	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	OJ	201	PEB	OD-C4D	3.07	1.29	1.23
31	J5	203	PEB	OD-C4D	3.07	1.29	1.23
31	NK	201	PEB	C2C-C3C	3.07	1.46	1.37
31	I7	202	PEB	C1A-NA	-3.07	1.33	1.37
31	dH	201	PEB	CHA-C1B	3.07	1.47	1.40
33	C3	1001	CYC	C1B-C2B	3.07	1.50	1.45
33	j3	1001	CYC	C3D-C2D	3.07	1.46	1.37
31	MK	201	PEB	C2C-C3C	3.07	1.46	1.37
31	d4	201	PEB	C2C-C3C	3.07	1.46	1.37
31	H5	203	PEB	OD-C4D	3.07	1.29	1.23
33	R3	1001	CYC	C1B-C2B	3.07	1.50	1.45
31	TA	201	PEB	C4A-NA	-3.07	1.30	1.37
31	a4	204	PEB	C2A-C1A	-3.07	1.49	1.52
31	QC	201	PEB	C1A-NA	-3.06	1.33	1.37
31	UG	202	PEB	C2C-C3C	3.06	1.46	1.37
31	KF	201	PEB	C2A-C1A	-3.06	1.49	1.52
31	RH	201	PEB	C2A-C1A	-3.06	1.49	1.52
31	MK	202	PEB	C1A-NA	-3.06	1.33	1.37
31	aC	202	PEB	C1A-NA	-3.06	1.33	1.37
31	JA	201	PEB	C4A-NA	-3.06	1.30	1.37
33	E3	1001	CYC	C1B-C2B	3.06	1.50	1.45
32	y8	302	PUB	C3B-C2B	3.06	1.46	1.37
31	PE	201	PEB	C2A-C1A	-3.06	1.49	1.52
31	JF	202	PEB	C2A-C1A	-3.06	1.49	1.52
31	K4	203	PEB	CHA-C1B	3.06	1.47	1.40
31	VJ	201	PEB	CHA-C1B	3.06	1.47	1.40
31	bD	201	PEB	OD-C4D	3.06	1.29	1.23
31	jC	201	PEB	CHA-C1B	3.06	1.47	1.40
31	VH	201	PEB	C2A-C1A	-3.06	1.49	1.52
31	IF	201	PEB	C4A-NA	-3.06	1.30	1.37
33	D3	1001	CYC	C3D-C2D	3.06	1.46	1.37
31	R6	203	PEB	C1A-NA	-3.06	1.33	1.37
31	I8	201	PEB	C4A-NA	-3.06	1.30	1.37
31	uF	202	PEB	C1A-NA	-3.06	1.33	1.37
31	E5	202	PEB	C2C-C3C	3.06	1.46	1.37
31	F9	203	PEB	C2C-C3C	3.06	1.46	1.37
31	W1	201	PEB	C2C-C3C	3.06	1.46	1.37
31	IA	202	PEB	CHA-C1B	3.06	1.47	1.40
31	f2	202	PEB	OD-C4D	3.06	1.29	1.23
31	G4	203	PEB	C2C-C3C	3.06	1.46	1.37
33	d3	1001	CYC	C3D-C2D	3.06	1.46	1.37
31	BI	201	PEB	C4B-C3B	3.06	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	u8	201	PEB	C1A-NA	-3.05	1.33	1.37
31	gA	201	PEB	C1A-NA	-3.05	1.33	1.37
31	fD	202	PEB	OD-C4D	3.05	1.29	1.23
31	H4	202	PEB	C2A-C1A	-3.05	1.49	1.52
31	d2	203	PEB	OD-C4D	3.05	1.29	1.23
31	U8	202	PEB	CHA-C1B	3.05	1.47	1.40
31	sF	203	PEB	CHA-C1B	3.05	1.47	1.40
31	YG	202	PEB	C2A-C1A	-3.05	1.49	1.52
31	J4	202	PEB	C2A-C1A	-3.05	1.49	1.52
31	L4	201	PEB	C2A-C1A	-3.05	1.49	1.52
31	o8	203	PEB	C2A-C1A	-3.05	1.49	1.52
31	b2	203	PEB	C2C-C3C	3.05	1.46	1.37
33	f3	1001	CYC	C3D-C2D	3.05	1.46	1.37
31	XJ	202	PEB	C1A-NA	-3.05	1.33	1.37
31	F9	202	PEB	C2C-C3C	3.05	1.46	1.37
31	l6	201	PEB	CHA-C1B	3.05	1.47	1.40
31	CK	201	PEB	C2A-C1A	-3.05	1.49	1.52
31	aB	202	PEB	C2A-C1A	-3.05	1.49	1.52
31	MI	302	PEB	CHA-C1B	3.05	1.47	1.40
31	QH	201	PEB	C2C-C3C	3.05	1.46	1.37
31	c8	202	PEB	OD-C4D	3.05	1.29	1.23
31	l8	201	PEB	OD-C4D	3.05	1.29	1.23
31	Y4	201	PEB	CHA-C1B	3.05	1.47	1.40
31	R5	201	PEB	CHA-C1B	3.05	1.47	1.40
31	ZE	201	PEB	OD-C4D	3.05	1.29	1.23
31	O2	203	PEB	C2C-C3C	3.05	1.46	1.37
31	d8	201	PEB	C2A-C1A	-3.05	1.49	1.52
33	i3	1001	CYC	C1B-C2B	3.05	1.50	1.45
31	KF	203	PEB	CHA-C1B	3.05	1.47	1.40
31	B7	202	PEB	C2A-C1A	-3.05	1.49	1.52
31	kC	203	PEB	C2C-C3C	3.05	1.46	1.37
31	iF	201	PEB	C2C-C3C	3.04	1.46	1.37
31	u8	202	PEB	OD-C4D	3.04	1.29	1.23
33	O3	1001	CYC	C3D-C2D	3.04	1.46	1.37
31	lD	201	PEB	C1A-NA	-3.04	1.33	1.37
31	hC	201	PEB	CHA-C1B	3.04	1.47	1.40
31	GF	201	PEB	C4B-NB	-3.04	1.32	1.38
31	W8	203	PEB	OD-C4D	3.04	1.29	1.23
31	lB	201	PEB	CHA-C1B	3.04	1.47	1.40
31	hE	203	PEB	OD-C4D	3.04	1.29	1.23
31	sF	201	PEB	C1A-NA	-3.04	1.33	1.37
31	VK	201	PEB	C2C-C3C	3.04	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	ZA	201	PEB	C2A-C1A	-3.04	1.49	1.52
31	gC	202	PEB	OD-C4D	3.04	1.29	1.23
33	B3	1001	CYC	C3D-C2D	3.04	1.46	1.37
31	SF	203	PEB	OD-C4D	3.04	1.29	1.23
31	N6	1002	PEB	C2A-C1A	-3.04	1.49	1.52
31	aH	201	PEB	C1A-NA	-3.04	1.33	1.37
31	U4	201	PEB	C2C-C3C	3.04	1.46	1.37
31	C7	203	PEB	OD-C4D	3.04	1.29	1.23
31	V5	203	PEB	C2C-C3C	3.04	1.46	1.37
31	W9	203	PEB	C2C-C3C	3.04	1.46	1.37
31	CF	202	PEB	C1A-NA	-3.04	1.33	1.37
31	J5	203	PEB	CHA-C1B	3.04	1.47	1.40
31	S2	201	PEB	C2A-C1A	-3.03	1.49	1.52
31	L9	203	PEB	C2A-C1A	-3.03	1.49	1.52
31	M1	201	PEB	C2C-C3C	3.03	1.46	1.37
33	DE	1001	CYC	C3D-C2D	3.03	1.46	1.37
31	J9	203	PEB	C2C-C3C	3.03	1.46	1.37
31	eB	201	PEB	C2A-C1A	-3.03	1.49	1.52
31	WF	203	PEB	OD-C4D	3.03	1.29	1.23
31	W8	201	PEB	C2C-C3C	3.03	1.46	1.37
31	hD	203	PEB	OD-C4D	3.03	1.29	1.23
31	s8	202	PEB	C1A-NA	-3.03	1.33	1.37
31	iF	201	PEB	C1A-NA	-3.03	1.33	1.37
31	PA	201	PEB	C2A-C1A	-3.03	1.49	1.52
31	e2	201	PEB	C2A-C1A	-3.03	1.49	1.52
31	SG	201	PEB	C2C-C3C	3.03	1.46	1.37
31	S9	202	PEB	C2C-C3C	3.03	1.46	1.37
31	OF	203	PEB	OD-C4D	3.03	1.29	1.23
31	WG	202	PEB	OD-C4D	3.03	1.29	1.23
31	jD	202	PEB	OD-C4D	3.03	1.29	1.23
31	pF	202	PEB	C2A-C1A	-3.03	1.49	1.52
31	g8	203	PEB	C2C-C3C	3.03	1.46	1.37
31	WC	202	PEB	OD-C4D	3.03	1.29	1.23
31	O5	201	PEB	OD-C4D	3.03	1.29	1.23
31	gC	203	PEB	C1A-NA	-3.03	1.33	1.37
31	WI	201	PEB	C4B-C3B	3.03	1.50	1.45
31	F1	202	PEB	C2C-C3C	3.03	1.46	1.37
31	M1	202	PEB	C1A-NA	-3.03	1.33	1.37
31	eB	202	PEB	C2C-C3C	3.03	1.46	1.37
31	IA	202	PEB	C2A-C1A	-3.02	1.49	1.52
31	Y6	203	PEB	C1A-NA	-3.02	1.33	1.37
32	x8	301	PUB	C3B-C2B	3.02	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	fC	203	PEB	C1A-NA	-3.02	1.33	1.37
31	O2	201	PEB	CHA-C1B	3.02	1.47	1.40
31	UG	202	PEB	C2A-C1A	-3.02	1.49	1.52
31	EG	202	PEB	CHA-C1B	3.02	1.47	1.40
31	R5	203	PEB	OD-C4D	3.02	1.29	1.23
33	DD	1001	CYC	CHB-C4A	3.02	1.47	1.40
31	O8	201	PEB	C2C-C3C	3.02	1.46	1.37
31	ZD	202	PEB	CHA-C1B	3.02	1.47	1.40
31	JA	201	PEB	C2C-C3C	3.02	1.46	1.37
31	SA	203	PEB	C2A-C1A	-3.02	1.49	1.52
31	I7	202	PEB	OD-C4D	3.02	1.29	1.23
31	ZE	202	PEB	CHA-C1B	3.02	1.47	1.40
31	SA	203	PEB	C2C-C3C	3.02	1.46	1.37
31	U6	201	PEB	CHA-C1B	3.02	1.47	1.40
31	j8	202	PEB	C2A-C1A	-3.02	1.49	1.52
31	L2	1002	PEB	CHA-C1B	3.02	1.47	1.40
31	BJ	201	PEB	C2C-C3C	3.02	1.46	1.37
33	J2	1001	CYC	C3D-C2D	3.02	1.46	1.37
31	j6	201	PEB	CHA-C1B	3.02	1.47	1.40
31	DD	1002	PEB	C2A-C1A	-3.02	1.49	1.52
31	WK	201	PEB	C2A-C1A	-3.02	1.49	1.52
31	dH	201	PEB	C2C-C3C	3.02	1.46	1.37
33	DE	1001	CYC	CHB-C4A	3.01	1.47	1.40
31	s8	203	PEB	CHA-C1B	3.01	1.47	1.40
31	L9	201	PEB	CHA-C1B	3.01	1.47	1.40
31	Z4	202	PEB	C2A-C1A	-3.01	1.49	1.52
31	i6	202	PEB	C2C-C3C	3.01	1.46	1.37
31	W2	203	PEB	C2C-C3C	3.01	1.46	1.37
31	VJ	203	PEB	CHA-C1B	3.01	1.47	1.40
31	J1	202	PEB	CHA-C1B	3.01	1.47	1.40
31	U1	202	PEB	OD-C4D	3.01	1.29	1.23
31	K8	203	PEB	CHA-C1B	3.01	1.47	1.40
31	dC	203	PEB	OD-C4D	3.01	1.29	1.23
33	LB	1001	CYC	C3D-C2D	3.01	1.46	1.37
33	L6	1001	CYC	C3D-C2D	3.01	1.46	1.37
31	IH	201	PEB	C2C-C3C	3.01	1.46	1.37
31	OC	203	PEB	C2C-C3C	3.01	1.46	1.37
31	UI	202	PEB	C2C-C3C	3.01	1.46	1.37
31	V1	201	PEB	C2C-C3C	3.01	1.46	1.37
31	M8	202	PEB	OD-C4D	3.01	1.29	1.23
31	fB	201	PEB	CHA-C1B	3.01	1.47	1.40
31	QE	202	PEB	C2A-C1A	-3.01	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SF	203	PEB	C2A-C1A	-3.01	1.49	1.52
31	UH	201	PEB	C2C-C3C	3.01	1.46	1.37
31	WK	201	PEB	C2C-C3C	3.01	1.46	1.37
31	iB	202	PEB	C2C-C3C	3.01	1.46	1.37
31	S8	203	PEB	C2A-C1A	-3.01	1.49	1.52
31	GD	202	PEB	C2C-C3C	3.01	1.46	1.37
31	CJ	201	PEB	C2A-C1A	-3.01	1.49	1.52
31	WG	201	PEB	C4B-C3B	3.01	1.50	1.45
31	IH	201	PEB	CHA-C1B	3.01	1.47	1.40
31	l2	201	PEB	C2C-C3C	3.01	1.46	1.37
31	KH	202	PEB	C2C-C3C	3.01	1.46	1.37
31	YF	202	PEB	OD-C4D	3.00	1.29	1.23
31	K8	201	PEB	CHA-C1B	3.00	1.47	1.40
31	qF	202	PEB	C2C-C3C	3.00	1.46	1.37
31	i8	203	PEB	OD-C4D	3.00	1.29	1.23
31	eC	201	PEB	OD-C4D	3.00	1.29	1.23
31	UF	202	PEB	CHA-C1B	3.00	1.47	1.40
31	TA	201	PEB	C2C-C3C	3.00	1.46	1.37
31	UK	201	PEB	C2C-C3C	3.00	1.46	1.37
31	PH	202	PEB	C2A-C1A	-3.00	1.49	1.52
31	e6	202	PEB	C2C-C3C	3.00	1.46	1.37
31	XG	202	PEB	CHA-C1B	3.00	1.47	1.40
31	I1	202	PEB	CHA-C1B	3.00	1.47	1.40
31	FJ	201	PEB	C2C-C3C	3.00	1.46	1.37
31	IG	202	PEB	CHA-C1B	3.00	1.47	1.40
31	Y9	202	PEB	CHA-C1B	3.00	1.47	1.40
31	NG	203	PEB	C2C-C3C	3.00	1.46	1.37
31	V7	202	PEB	C2A-C1A	-3.00	1.49	1.52
31	L9	202	PEB	CHA-C1B	3.00	1.47	1.40
31	p8	202	PEB	C2A-C1A	-3.00	1.49	1.52
31	ZI	301	PEB	CHA-C1B	3.00	1.47	1.40
31	ZD	201	PEB	C2A-C1A	-3.00	1.49	1.52
31	jB	201	PEB	CHA-C1B	3.00	1.47	1.40
31	NG	202	PEB	CHA-C1B	3.00	1.47	1.40
31	kH	202	PEB	C2A-C1A	-3.00	1.49	1.52
31	PA	201	PEB	C2C-C3C	3.00	1.46	1.37
31	n8	201	PEB	C2A-C1A	-2.99	1.49	1.52
31	F9	202	PEB	C2A-C1A	-2.99	1.49	1.52
31	eA	201	PEB	C2A-C1A	-2.99	1.49	1.52
31	kC	202	PEB	C1A-NA	-2.99	1.33	1.37
31	NH	201	PEB	C2C-C3C	2.99	1.46	1.37
31	Q7	202	PEB	C2C-C3C	2.99	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	U7	201	PEB	CHA-C1B	2.99	1.47	1.40
31	UH	201	PEB	C2A-C1A	-2.99	1.49	1.52
31	JG	202	PEB	OD-C4D	2.99	1.29	1.23
31	O4	203	PEB	C2C-C3C	2.99	1.46	1.37
31	a8	201	PEB	CHA-C1B	2.99	1.47	1.40
31	f8	202	PEB	OD-C4D	2.99	1.29	1.23
31	b6	201	PEB	C2A-C1A	-2.99	1.49	1.52
32	xF	301	PUB	C3B-C2B	2.99	1.46	1.37
31	iE	201	PEB	OD-C4D	2.99	1.29	1.23
31	CG	202	PEB	CHA-C1B	2.99	1.47	1.40
31	KG	203	PEB	CHA-C1B	2.99	1.47	1.40
31	D9	202	PEB	CHA-C1B	2.99	1.47	1.40
31	W2	202	PEB	OD-C4D	2.99	1.29	1.23
31	JE	201	PEB	C2C-C3C	2.99	1.46	1.37
31	GG	203	PEB	CHA-C1B	2.99	1.47	1.40
31	S1	202	PEB	CHA-C1B	2.99	1.47	1.40
31	XJ	201	PEB	OD-C4D	2.99	1.29	1.23
31	q8	202	PEB	C2C-C3C	2.99	1.46	1.37
31	eE	202	PEB	C2C-C3C	2.99	1.46	1.37
31	SH	203	PEB	C2C-C3C	2.99	1.46	1.37
31	I4	201	PEB	C2C-C3C	2.98	1.46	1.37
31	M5	201	PEB	C2A-C1A	-2.98	1.49	1.52
31	ZD	201	PEB	OD-C4D	2.98	1.29	1.23
31	UB	201	PEB	CHA-C1B	2.98	1.47	1.40
31	RG	202	PEB	CHA-C1B	2.98	1.47	1.40
31	C4	203	PEB	CHA-C1B	2.98	1.47	1.40
31	W8	201	PEB	CHA-C1B	2.98	1.47	1.40
31	QC	203	PEB	OD-C4D	2.98	1.29	1.23
31	J7	201	PEB	C2A-C1A	-2.98	1.49	1.52
31	JJ	201	PEB	C2C-C3C	2.98	1.46	1.37
33	DD	1001	CYC	C3D-C2D	2.98	1.46	1.37
31	WD	201	PEB	OD-C4D	2.98	1.29	1.23
31	NA	202	PEB	C2A-C1A	-2.98	1.49	1.52
31	gB	202	PEB	C2C-C3C	2.98	1.46	1.37
31	Y6	201	PEB	C2A-C1A	-2.98	1.49	1.52
31	J9	202	PEB	C2C-C3C	2.98	1.46	1.37
31	MF	202	PEB	OD-C4D	2.98	1.29	1.23
31	TK	203	PEB	C2C-C3C	2.98	1.46	1.37
31	H5	202	PEB	C2A-C1A	-2.98	1.49	1.52
31	AK	201	PEB	C4B-C3B	2.98	1.50	1.45
31	VG	202	PEB	CHA-C1B	2.98	1.47	1.40
31	UB	201	PEB	C2C-C3C	2.98	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	h2	201	PEB	C1A-NA	-2.98	1.33	1.37
31	AG	202	PEB	CHA-C1B	2.98	1.47	1.40
31	f6	201	PEB	CHA-C1B	2.98	1.47	1.40
31	F5	201	PEB	C2C-C3C	2.97	1.46	1.37
31	Q9	203	PEB	C2C-C3C	2.97	1.46	1.37
31	OC	201	PEB	CHA-C1B	2.97	1.47	1.40
31	C5	202	PEB	C2A-C1A	-2.97	1.49	1.52
31	VA	202	PEB	OD-C4D	2.97	1.29	1.23
31	U1	201	PEB	C2C-C3C	2.97	1.46	1.37
31	iC	202	PEB	C2A-C1A	-2.97	1.49	1.52
31	Q2	201	PEB	C1A-NA	-2.97	1.33	1.37
31	G8	201	PEB	C4B-NB	-2.97	1.32	1.38
31	FK	202	PEB	C2C-C3C	2.97	1.46	1.37
31	WA	402	PEB	C2A-C1A	-2.97	1.49	1.52
31	PG	202	PEB	CHA-C1B	2.97	1.47	1.40
31	TJ	203	PEB	OD-C4D	2.97	1.29	1.23
31	a8	201	PEB	OD-C4D	2.97	1.29	1.23
31	V2	203	PEB	C1A-NA	-2.97	1.33	1.37
31	OH	203	PEB	C2C-C3C	2.97	1.46	1.37
31	T1	203	PEB	C2C-C3C	2.97	1.46	1.37
31	A7	202	PEB	OD-C4D	2.97	1.29	1.23
31	BI	202	PEB	C2C-C3C	2.97	1.46	1.37
31	IK	202	PEB	CHA-C1B	2.97	1.47	1.40
31	IH	201	PEB	C2C-C3C	2.97	1.46	1.37
31	RJ	201	PEB	CHA-C1B	2.97	1.47	1.40
31	uF	201	PEB	OD-C4D	2.97	1.29	1.23
31	WE	202	PEB	OD-C4D	2.97	1.29	1.23
31	aF	201	PEB	C4B-C3B	2.97	1.50	1.45
31	k2	202	PEB	OD-C4D	2.96	1.29	1.23
31	eD	202	PEB	C2C-C3C	2.96	1.46	1.37
31	C4	203	PEB	C2C-C3C	2.96	1.46	1.37
31	mB	202	PEB	C2C-C3C	2.96	1.46	1.37
31	eF	201	PEB	OD-C4D	2.96	1.29	1.23
31	e6	203	PEB	C1A-NA	-2.96	1.33	1.37
31	AG	203	PEB	C1D-ND	2.96	1.50	1.45
31	WF	201	PEB	CHA-C1B	2.96	1.47	1.40
31	I7	202	PEB	C2C-C3C	2.96	1.46	1.37
31	j2	203	PEB	OD-C4D	2.96	1.29	1.23
31	T5	203	PEB	OD-C4D	2.96	1.29	1.23
31	MH	201	PEB	C2C-C3C	2.96	1.46	1.37
31	h2	202	PEB	CHA-C1B	2.96	1.47	1.40
31	KF	201	PEB	CHA-C1B	2.96	1.47	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	F1	202	PEB	CHA-C1B	2.96	1.47	1.40
31	p8	202	PEB	C4B-C3B	2.96	1.50	1.45
31	iD	201	PEB	OD-C4D	2.96	1.29	1.23
31	OF	201	PEB	C2C-C3C	2.96	1.46	1.37
31	HG	203	PEB	C1A-NA	-2.96	1.33	1.37
31	WF	201	PEB	C2C-C3C	2.96	1.46	1.37
31	m6	202	PEB	C2C-C3C	2.96	1.46	1.37
31	JJ	203	PEB	OD-C4D	2.96	1.29	1.23
31	V5	203	PEB	CHA-C1B	2.96	1.47	1.40
31	U9	202	PEB	CHA-C1B	2.96	1.47	1.40
31	aC	201	PEB	OD-C4D	2.96	1.29	1.23
31	lF	201	PEB	OD-C4D	2.96	1.29	1.23
31	AF	201	PEB	C2A-C1A	-2.96	1.49	1.52
31	jE	201	PEB	C2A-C1A	-2.96	1.49	1.52
31	Z2	203	PEB	OD-C4D	2.96	1.29	1.23
31	OG	202	PEB	OD-C4D	2.96	1.29	1.23
31	HJ	202	PEB	C2A-C1A	-2.96	1.49	1.52
31	K5	202	PEB	C1A-NA	-2.95	1.33	1.37
31	L5	201	PEB	CHA-C1B	2.95	1.47	1.40
31	LK	202	PEB	CHA-C1B	2.95	1.47	1.40
31	kE	202	PEB	C2A-C1A	-2.95	1.49	1.52
31	JK	202	PEB	CHA-C1B	2.95	1.47	1.40
31	KJ	202	PEB	C1A-NA	-2.95	1.33	1.37
31	HI	202	PEB	C2C-C3C	2.95	1.46	1.37
31	jE	202	PEB	OD-C4D	2.95	1.29	1.23
31	U6	201	PEB	C2C-C3C	2.95	1.46	1.37
31	TG	203	PEB	CHA-C1B	2.95	1.47	1.40
31	GK	202	PEB	OD-C4D	2.95	1.29	1.23
31	g8	202	PEB	OD-C4D	2.95	1.29	1.23
31	aF	201	PEB	CHA-C1B	2.95	1.47	1.40
31	s8	203	PEB	OD-C4D	2.95	1.29	1.23
33	D6	1001	CYC	C3D-C2D	2.95	1.46	1.37
31	J5	201	PEB	C2C-C3C	2.95	1.46	1.37
33	73	1002	CYC	C3D-C2D	2.95	1.46	1.37
31	Z2	202	PEB	CHA-C1B	2.95	1.47	1.40
31	LK	202	PEB	C2C-C3C	2.95	1.46	1.37
31	M4	201	PEB	C2C-C3C	2.95	1.46	1.37
31	Y2	202	PEB	OD-C4D	2.94	1.29	1.23
31	g6	202	PEB	C2C-C3C	2.94	1.46	1.37
31	VK	203	PEB	OD-C4D	2.94	1.29	1.23
31	qF	202	PEB	OD-C4D	2.94	1.29	1.23
31	iF	203	PEB	OD-C4D	2.94	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	B5	201	PEB	C2C-C3C	2.94	1.46	1.37
31	OH	203	PEB	CHA-C1B	2.94	1.47	1.40
31	dF	201	PEB	C2A-C1A	-2.94	1.49	1.52
31	a2	202	PEB	OD-C4D	2.94	1.29	1.23
31	h6	201	PEB	CHA-C1B	2.94	1.47	1.40
31	SE	201	PEB	C2C-C3C	2.94	1.46	1.37
31	XJ	203	PEB	OD-C4D	2.94	1.29	1.23
31	AC	302	PEB	OD-C4D	2.94	1.29	1.23
31	kB	202	PEB	C2C-C3C	2.94	1.46	1.37
31	DE	1002	PEB	C2A-C1A	-2.94	1.49	1.52
33	JC	1001	CYC	C3D-C2D	2.94	1.46	1.37
31	Q2	203	PEB	OD-C4D	2.94	1.29	1.23
31	Y8	202	PEB	OD-C4D	2.94	1.29	1.23
31	a8	201	PEB	C4B-C3B	2.94	1.50	1.45
31	U4	203	PEB	OD-C4D	2.94	1.29	1.23
31	FI	201	PEB	C2A-C1A	-2.94	1.49	1.52
31	e4	202	PEB	C2A-C1A	-2.94	1.49	1.52
31	k6	202	PEB	C2C-C3C	2.94	1.46	1.37
31	mB	201	PEB	C2A-C1A	-2.94	1.49	1.52
31	WC	201	PEB	CHA-C1B	2.94	1.47	1.40
31	G1	202	PEB	OD-C4D	2.94	1.29	1.23
31	R6	202	PEB	C2C-C3C	2.94	1.46	1.37
31	MI	304	PEB	OD-C4D	2.94	1.29	1.23
31	DK	201	PEB	C2A-C1A	-2.94	1.49	1.52
31	C5	201	PEB	C2A-C1A	-2.94	1.49	1.52
31	Z9	301	PEB	C2A-C1A	-2.94	1.49	1.52
31	UH	201	PEB	CHA-C1B	2.94	1.47	1.40
31	A1	201	PEB	C4B-C3B	2.93	1.50	1.45
31	HA	203	PEB	C2A-C1A	-2.93	1.49	1.52
31	ZC	203	PEB	OD-C4D	2.93	1.29	1.23
31	ZI	303	PEB	OD-C4D	2.93	1.29	1.23
31	W2	201	PEB	CHA-C1B	2.93	1.47	1.40
31	SK	202	PEB	CHA-C1B	2.93	1.47	1.40
31	M1	202	PEB	OD-C4D	2.93	1.29	1.23
31	jD	201	PEB	OD-C4D	2.93	1.29	1.23
31	cF	201	PEB	OD-C4D	2.93	1.29	1.23
31	ffF	202	PEB	OD-C4D	2.93	1.29	1.23
31	J7	201	PEB	C4B-C3B	2.93	1.50	1.45
31	gF	202	PEB	OD-C4D	2.93	1.29	1.23
31	cF	203	PEB	C2C-C3C	2.93	1.46	1.37
31	RB	202	PEB	C2C-C3C	2.93	1.46	1.37
31	uF	201	PEB	C1A-NA	-2.93	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	hB	201	PEB	CHA-C1B	2.93	1.47	1.40
31	BA	201	PEB	C2A-C1A	-2.93	1.49	1.52
31	hF	201	PEB	C2A-C1A	-2.93	1.49	1.52
31	e8	201	PEB	OD-C4D	2.93	1.29	1.23
31	a6	202	PEB	C2A-C1A	-2.93	1.49	1.52
31	TJ	201	PEB	C1A-NA	-2.93	1.33	1.37
31	OC	201	PEB	OD-C4D	2.93	1.29	1.23
31	k2	202	PEB	C1A-NA	-2.93	1.33	1.37
31	OK	201	PEB	C4A-NA	-2.93	1.31	1.37
32	KK	203	PUB	OA-C1A	2.93	1.29	1.23
31	SA	202	PEB	C2C-C3C	2.93	1.46	1.37
31	W9	202	PEB	CHA-C1B	2.93	1.47	1.40
31	GG	201	PEB	C1A-NA	-2.93	1.33	1.37
31	OK	202	PEB	C2C-C3C	2.92	1.46	1.37
31	zF	501	PEB	C1A-NA	-2.92	1.33	1.37
31	RJ	203	PEB	OD-C4D	2.92	1.29	1.23
31	YH	201	PEB	C2C-C3C	2.92	1.46	1.37
31	ZC	201	PEB	OD-C4D	2.92	1.29	1.23
33	y3	1001	CYC	C1B-C2B	2.92	1.50	1.45
32	ZI	302	PUB	OA-C1A	2.92	1.29	1.23
31	FK	202	PEB	CHA-C1B	2.92	1.47	1.40
31	T6	202	PEB	C2C-C3C	2.92	1.46	1.37
31	WJ	202	PEB	OD-C4D	2.92	1.29	1.23
31	rF	202	PEB	OD-C4D	2.92	1.29	1.23
31	MJ	201	PEB	C2A-C1A	-2.92	1.49	1.52
31	c2	202	PEB	C2A-C1A	-2.92	1.49	1.52
31	O1	201	PEB	C4A-NA	-2.92	1.31	1.37
31	c8	201	PEB	OD-C4D	2.92	1.29	1.23
31	O2	201	PEB	OD-C4D	2.92	1.29	1.23
31	F9	203	PEB	C2A-C1A	-2.92	1.49	1.52
31	A2	301	PEB	C1A-NA	-2.92	1.33	1.37
31	CH	203	PEB	CHA-C1B	2.92	1.47	1.40
31	c2	201	PEB	OD-C4D	2.92	1.29	1.23
31	E8	202	PEB	OD-C4D	2.92	1.29	1.23
31	hF	202	PEB	OD-C4D	2.92	1.29	1.23
31	X5	203	PEB	OD-C4D	2.92	1.29	1.23
31	QE	201	PEB	CHA-C1B	2.92	1.47	1.40
31	IH	201	PEB	CHA-C1B	2.92	1.47	1.40
31	VF	202	PEB	C2A-C1A	-2.92	1.49	1.52
31	FI	202	PEB	OD-C4D	2.92	1.29	1.23
31	PJ	201	PEB	OD-C4D	2.92	1.29	1.23
33	y3	1001	CYC	C4C-NC	-2.92	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	KG	201	PEB	C2C-C3C	2.92	1.46	1.37
31	SD	202	PEB	C2A-C1A	-2.92	1.49	1.52
31	W1	201	PEB	C2A-C1A	-2.92	1.49	1.52
31	V8	202	PEB	C2A-C1A	-2.92	1.49	1.52
31	XG	202	PEB	OD-C4D	2.92	1.29	1.23
31	MH	201	PEB	CHA-C1B	2.92	1.47	1.40
32	K1	203	PUB	OA-C1A	2.92	1.29	1.23
31	NG	202	PEB	OD-C4D	2.92	1.29	1.23
33	HD	1001	CYC	C3D-C2D	2.92	1.46	1.37
31	ZE	202	PEB	C2A-C1A	-2.91	1.49	1.52
31	SI	201	PEB	C2A-C1A	-2.91	1.49	1.52
31	TB	202	PEB	C2C-C3C	2.91	1.46	1.37
31	GH	203	PEB	CHA-C1B	2.91	1.47	1.40
31	jE	201	PEB	OD-C4D	2.91	1.29	1.23
31	CH	203	PEB	C2C-C3C	2.91	1.46	1.37
31	EH	201	PEB	C2C-C3C	2.91	1.46	1.37
31	G8	202	PEB	C3B-C2B	2.91	1.42	1.36
31	HA	201	PEB	C2A-C1A	-2.91	1.49	1.52
31	aB	203	PEB	C2A-C1A	-2.91	1.49	1.52
31	QD	201	PEB	CHA-C1B	2.91	1.47	1.40
31	D5	202	PEB	C2C-C3C	2.91	1.46	1.37
33	W3	1001	CYC	C1B-C2B	2.91	1.50	1.45
31	P5	203	PEB	OD-C4D	2.91	1.29	1.23
33	LB	1001	CYC	C4B-NB	-2.91	1.31	1.38
31	J8	202	PEB	C2A-C1A	-2.91	1.49	1.52
31	gC	202	PEB	C2A-C1A	-2.91	1.49	1.52
31	rF	201	PEB	C2A-C1A	-2.91	1.49	1.52
31	WG	202	PEB	C1D-ND	2.91	1.50	1.45
31	gC	201	PEB	OD-C4D	2.91	1.29	1.23
31	cC	201	PEB	OD-C4D	2.91	1.29	1.23
31	a6	203	PEB	C2A-C1A	-2.91	1.49	1.52
31	b2	203	PEB	OD-C4D	2.91	1.29	1.23
31	CA	202	PEB	OD-C4D	2.91	1.29	1.23
31	g2	201	PEB	OD-C4D	2.91	1.29	1.23
31	kC	202	PEB	OD-C4D	2.91	1.29	1.23
31	GH	203	PEB	C2C-C3C	2.91	1.46	1.37
31	LI	202	PEB	C4B-C3B	2.91	1.50	1.45
31	OH	202	PEB	OD-C4D	2.91	1.29	1.23
33	DB	1001	CYC	C3D-C2D	2.91	1.46	1.37
31	OI	202	PEB	OD-C4D	2.91	1.29	1.23
31	LJ	203	PEB	OD-C4D	2.91	1.29	1.23
31	OE	203	PEB	C2C-C3C	2.91	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	JJ	201	PEB	CHA-C1B	2.91	1.47	1.40
31	L1	202	PEB	CHA-C1B	2.91	1.47	1.40
31	Y4	203	PEB	OD-C4D	2.91	1.29	1.23
31	x8	302	PEB	OD-C4D	2.91	1.29	1.23
31	eB	203	PEB	C1A-NA	-2.91	1.33	1.37
31	i6	203	PEB	OD-C4D	2.91	1.29	1.23
31	eD	203	PEB	C2A-C1A	-2.91	1.49	1.52
31	WC	203	PEB	C2C-C3C	2.91	1.46	1.37
33	W3	1001	CYC	C4C-NC	-2.91	1.31	1.37
31	LI	202	PEB	OD-C4D	2.91	1.29	1.23
31	eD	203	PEB	OD-C4D	2.91	1.29	1.23
31	xF	303	PEB	OD-C4D	2.91	1.29	1.23
31	PG	202	PEB	OD-C4D	2.91	1.29	1.23
31	Y6	202	PEB	C2C-C3C	2.91	1.46	1.37
31	S5	201	PEB	C2A-C1A	-2.91	1.49	1.52
31	Y1	303	PEB	C1A-NA	-2.91	1.33	1.37
31	eF	201	PEB	CHA-C1B	2.91	1.47	1.40
31	e2	201	PEB	OD-C4D	2.91	1.29	1.23
32	y8	303	PUB	C3B-C2B	2.91	1.46	1.37
31	O1	202	PEB	C2C-C3C	2.90	1.46	1.37
31	NE	201	PEB	C2A-C1A	-2.90	1.49	1.52
31	kB	202	PEB	C2A-C1A	-2.90	1.49	1.52
31	C8	203	PEB	OD-C4D	2.90	1.29	1.23
31	eC	203	PEB	OD-C4D	2.90	1.29	1.23
31	dD	202	PEB	OD-C4D	2.90	1.29	1.23
31	DJ	202	PEB	C2C-C3C	2.90	1.46	1.37
31	R1	202	PEB	C2C-C3C	2.90	1.46	1.37
31	WE	203	PEB	C2C-C3C	2.90	1.46	1.37
31	LA	201	PEB	C2A-C1A	-2.90	1.49	1.52
31	X4	201	PEB	C2A-C1A	-2.90	1.49	1.52
31	r8	201	PEB	C2A-C1A	-2.90	1.49	1.52
31	D9	203	PEB	C2C-C3C	2.90	1.46	1.37
31	d8	201	PEB	OD-C4D	2.90	1.29	1.23
31	nF	201	PEB	C2A-C1A	-2.90	1.49	1.52
31	BK	203	PEB	OD-C4D	2.90	1.29	1.23
31	YB	202	PEB	C2C-C3C	2.90	1.46	1.37
31	aB	202	PEB	C2C-C3C	2.90	1.46	1.37
31	wF	302	PEB	OD-C4D	2.90	1.29	1.23
31	S9	203	PEB	C2A-C1A	-2.90	1.49	1.52
31	MK	202	PEB	OD-C4D	2.90	1.29	1.23
31	T5	201	PEB	C1A-NA	-2.90	1.33	1.37
31	GG	203	PEB	OD-C4D	2.90	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	a8	203	PEB	OD-C4D	2.90	1.29	1.23
31	K4	203	PEB	C2C-C3C	2.90	1.46	1.37
31	B1	203	PEB	OD-C4D	2.90	1.29	1.23
31	TA	202	PEB	CHA-C1B	2.90	1.47	1.40
31	X5	201	PEB	OD-C4D	2.90	1.29	1.23
31	A6	305	PEB	OD-C4D	2.90	1.29	1.23
31	QD	202	PEB	C2A-C1A	-2.90	1.49	1.52
31	QI	202	PEB	OD-C4D	2.90	1.29	1.23
31	eH	202	PEB	C2A-C1A	-2.90	1.49	1.52
31	RI	202	PEB	OD-C4D	2.90	1.29	1.23
31	G7	203	PEB	OD-C4D	2.90	1.29	1.23
31	HK	202	PEB	OD-C4D	2.90	1.29	1.23
31	P5	201	PEB	OD-C4D	2.90	1.29	1.23
31	fA	301	PEB	C2A-C1A	-2.90	1.49	1.52
31	M7	202	PEB	OD-C4D	2.90	1.29	1.23
31	l2	201	PEB	OD-C4D	2.90	1.29	1.23
31	O4	203	PEB	C2A-C1A	-2.89	1.49	1.52
31	G8	202	PEB	C2C-C3C	2.89	1.46	1.37
31	RG	202	PEB	OD-C4D	2.89	1.29	1.23
31	GJ	202	PEB	OD-C4D	2.89	1.29	1.23
31	lF	203	PEB	C1A-NA	-2.89	1.33	1.37
31	WD	203	PEB	C2C-C3C	2.89	1.46	1.37
32	x8	305	PUB	OA-C1A	2.89	1.29	1.23
31	x8	304	PEB	C1A-NA	-2.89	1.33	1.37
31	YI	202	PEB	OD-C4D	2.89	1.29	1.23
31	L5	202	PEB	C2A-C1A	-2.89	1.49	1.52
31	VG	202	PEB	OD-C4D	2.89	1.29	1.23
31	HK	201	PEB	OD-C4D	2.89	1.29	1.23
31	OC	202	PEB	OD-C4D	2.89	1.29	1.23
31	KG	203	PEB	OD-C4D	2.89	1.29	1.23
31	I5	201	PEB	C2A-C1A	-2.89	1.49	1.52
32	MI	303	PUB	OA-C1A	2.89	1.29	1.23
31	WF	201	PEB	OD-C4D	2.89	1.29	1.23
31	j4	201	PEB	OD-C4D	2.89	1.29	1.23
31	Y7	502	PEB	OD-C4D	2.89	1.29	1.23
31	J5	201	PEB	CHA-C1B	2.89	1.47	1.40
31	MF	202	PEB	C2A-C1A	-2.89	1.49	1.52
31	W2	201	PEB	OD-C4D	2.89	1.29	1.23
33	p3	1001	CYC	C4B-NB	-2.89	1.31	1.38
31	RK	202	PEB	C2C-C3C	2.89	1.46	1.37
31	J7	202	PEB	C2A-C1A	-2.89	1.49	1.52
31	f4	202	PEB	OD-C4D	2.89	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	AE	302	PUB	OD-C4D	2.89	1.29	1.23
31	IG	202	PEB	OD-C4D	2.89	1.29	1.23
31	T7	202	PEB	OD-C4D	2.89	1.29	1.23
31	cF	201	PEB	CHA-C1B	2.89	1.47	1.40
31	W8	201	PEB	OD-C4D	2.88	1.29	1.23
32	A5	303	PUB	OA-C1A	2.88	1.29	1.23
31	L1	202	PEB	C2C-C3C	2.88	1.46	1.37
31	RA	201	PEB	OD-C4D	2.88	1.29	1.23
31	h6	202	PEB	OD-C4D	2.88	1.29	1.23
31	kB	201	PEB	OD-C4D	2.88	1.29	1.23
32	xF	306	PUB	OA-C1A	2.88	1.29	1.23
31	N8	202	PEB	C2A-C1A	-2.88	1.49	1.52
31	cB	203	PEB	OD-C4D	2.88	1.29	1.23
31	GF	202	PEB	C3B-C2B	2.88	1.42	1.36
31	G8	202	PEB	CMB-C2B	-2.88	1.44	1.50
31	e8	201	PEB	CHA-C1B	2.88	1.47	1.40
31	OB	202	PEB	OD-C4D	2.88	1.29	1.23
31	G5	202	PEB	OD-C4D	2.88	1.29	1.23
31	U9	201	PEB	C4D-ND	2.88	1.39	1.35
31	EG	202	PEB	OD-C4D	2.88	1.29	1.23
31	m8	201	PEB	OD-C4D	2.88	1.29	1.23
31	HG	201	PEB	C2A-C1A	-2.88	1.49	1.52
31	EH	201	PEB	CHA-C1B	2.88	1.47	1.40
31	UI	201	PEB	OD-C4D	2.88	1.29	1.23
31	MJ	202	PEB	OD-C4D	2.88	1.29	1.23
31	Y4	201	PEB	C2C-C3C	2.88	1.46	1.37
31	O2	203	PEB	CHA-C1B	2.88	1.47	1.40
31	a2	201	PEB	OD-C4D	2.88	1.29	1.23
31	E7	202	PEB	OD-C4D	2.88	1.29	1.23
31	kC	203	PEB	OD-C4D	2.88	1.29	1.23
31	S4	201	PEB	C2A-C1A	-2.88	1.49	1.52
31	KF	201	PEB	C2C-C3C	2.88	1.46	1.37
31	NG	203	PEB	C1D-ND	2.88	1.50	1.45
31	YC	202	PEB	OD-C4D	2.88	1.29	1.23
31	DI	202	PEB	OD-C4D	2.88	1.29	1.23
31	JA	202	PEB	CHA-C1B	2.88	1.47	1.40
31	ZA	203	PEB	OD-C4D	2.88	1.29	1.23
31	r8	202	PEB	OD-C4D	2.88	1.29	1.23
31	t8	203	PEB	OD-C4D	2.88	1.29	1.23
31	OG	203	PEB	C2A-C1A	-2.88	1.49	1.52
31	TG	203	PEB	OD-C4D	2.88	1.29	1.23
31	ZC	201	PEB	C2C-C3C	2.88	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	i3	1001	CYC	C4B-NB	-2.88	1.31	1.38
31	EI	202	PEB	OD-C4D	2.88	1.29	1.23
31	Q8	203	PEB	OD-C4D	2.88	1.29	1.23
31	SE	202	PEB	C2A-C1A	-2.88	1.49	1.52
31	WI	202	PEB	OD-C4D	2.87	1.29	1.23
31	kD	202	PEB	OD-C4D	2.87	1.29	1.23
31	WG	201	PEB	C2A-C1A	-2.87	1.49	1.52
31	AK	201	PEB	OD-C4D	2.87	1.29	1.23
31	A1	201	PEB	OD-C4D	2.87	1.29	1.23
31	jH	202	PEB	OD-C4D	2.87	1.29	1.23
31	QD	201	PEB	C2C-C3C	2.87	1.46	1.37
31	Z2	201	PEB	C2C-C3C	2.87	1.46	1.37
31	c8	201	PEB	CHA-C1B	2.87	1.47	1.40
31	h8	201	PEB	C1A-NA	-2.87	1.33	1.37
31	Y5	202	PEB	OD-C4D	2.87	1.29	1.23
31	eC	202	PEB	OD-C4D	2.87	1.29	1.23
32	AJ	303	PUB	OA-C1A	2.87	1.29	1.23
31	YJ	202	PEB	OD-C4D	2.87	1.29	1.23
31	aF	201	PEB	OD-C4D	2.87	1.29	1.23
33	HE	1001	CYC	C3D-C2D	2.87	1.46	1.37
33	T3	1001	CYC	C4B-NB	-2.87	1.31	1.38
31	CG	202	PEB	OD-C4D	2.87	1.29	1.23
31	D4	202	PEB	C2A-C1A	-2.87	1.49	1.52
31	Q9	203	PEB	OD-C4D	2.87	1.29	1.23
31	H1	202	PEB	OD-C4D	2.87	1.29	1.23
31	DA	202	PEB	C2A-C1A	-2.87	1.49	1.52
31	O6	202	PEB	OD-C4D	2.87	1.29	1.23
31	VI	202	PEB	OD-C4D	2.87	1.29	1.23
31	z8	501	PEB	C1A-NA	-2.87	1.33	1.37
31	GF	202	PEB	C2C-C3C	2.87	1.46	1.37
31	UH	203	PEB	OD-C4D	2.87	1.29	1.23
31	Q4	204	PEB	OD-C4D	2.87	1.29	1.23
31	fC	201	PEB	OD-C4D	2.87	1.29	1.23
31	W7	201	PEB	C2A-C1A	-2.87	1.49	1.52
31	cD	201	PEB	C2A-C1A	-2.87	1.49	1.52
31	GF	201	PEB	C4A-NA	-2.87	1.31	1.37
31	P8	202	PEB	OD-C4D	2.87	1.29	1.23
33	v3	1001	CYC	C4B-NB	-2.87	1.31	1.38
31	XA	202	PEB	C2A-C1A	-2.87	1.49	1.52
31	P1	203	PEB	C2A-C1A	-2.86	1.49	1.52
31	BI	202	PEB	OD-C4D	2.86	1.29	1.23
31	BK	201	PEB	OD-C4D	2.86	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	G4	202	PEB	OD-C4D	2.86	1.29	1.23
31	YK	303	PEB	C1A-NA	-2.86	1.33	1.37
31	ID	201	PEB	C2A-C1A	-2.86	1.49	1.52
33	J3	1001	CYC	C4B-NB	-2.86	1.31	1.38
31	W4	203	PEB	C2C-C3C	2.86	1.46	1.37
31	F5	201	PEB	OD-C4D	2.86	1.29	1.23
31	UE	202	PEB	C2A-C1A	-2.86	1.49	1.52
31	a4	203	PEB	OD-C4D	2.86	1.29	1.23
31	OD	202	PEB	OD-C4D	2.86	1.29	1.23
31	OE	202	PEB	OD-C4D	2.86	1.29	1.23
31	h8	202	PEB	OD-C4D	2.86	1.29	1.23
31	x8	304	PEB	OD-C4D	2.86	1.29	1.23
33	K3	1001	CYC	C1D-CHD	2.86	1.52	1.41
31	JK	202	PEB	C1A-NA	-2.86	1.33	1.37
33	JC	1001	CYC	C2C-C1C	-2.86	1.49	1.52
31	II	202	PEB	OD-C4D	2.86	1.29	1.23
33	J2	1001	CYC	OB-C4B	2.86	1.29	1.23
31	XI	202	PEB	OD-C4D	2.86	1.29	1.23
31	ZD	202	PEB	C2A-C1A	-2.86	1.49	1.52
32	Z9	304	PUB	OA-C1A	2.86	1.29	1.23
31	C8	202	PEB	C1A-NA	-2.86	1.33	1.37
31	DG	202	PEB	OD-C4D	2.86	1.29	1.23
31	DH	201	PEB	OD-C4D	2.86	1.29	1.23
31	aF	203	PEB	OD-C4D	2.86	1.29	1.23
33	P3	1001	CYC	C4B-NB	-2.86	1.31	1.38
31	FG	202	PEB	OD-C4D	2.86	1.29	1.23
31	xF	304	PEB	OD-C4D	2.86	1.29	1.23
33	K3	1001	CYC	C4B-NB	-2.86	1.31	1.38
31	N5	203	PEB	C1A-NA	-2.86	1.33	1.37
33	T3	1001	CYC	C1D-CHD	2.86	1.52	1.41
31	gE	201	PEB	OD-C4D	2.86	1.29	1.23
31	eF	201	PEB	C2A-C1A	-2.86	1.49	1.52
33	C3	1001	CYC	C4B-NB	-2.86	1.31	1.38
31	QF	203	PEB	OD-C4D	2.86	1.29	1.23
31	P4	202	PEB	OD-C4D	2.86	1.29	1.23
31	T2	201	PEB	OD-C4D	2.86	1.29	1.23
31	SD	201	PEB	C2C-C3C	2.86	1.46	1.37
31	QG	201	PEB	OD-C4D	2.86	1.29	1.23
31	p8	202	PEB	OD-C4D	2.86	1.29	1.23
31	AC	305	PEB	OD-C4D	2.85	1.29	1.23
31	I4	203	PEB	OD-C4D	2.85	1.29	1.23
33	63	901	CYC	C3D-C2D	2.85	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	GH	203	PEB	C2A-C1A	-2.85	1.49	1.52
31	WI	201	PEB	C2A-C1A	-2.85	1.49	1.52
31	YB	203	PEB	C1A-NA	-2.85	1.33	1.37
31	kC	203	PEB	C1A-NA	-2.85	1.33	1.37
31	HG	202	PEB	OD-C4D	2.85	1.29	1.23
31	sF	203	PEB	OD-C4D	2.85	1.29	1.23
31	DD	1002	PEB	C4B-C3B	2.85	1.50	1.45
31	Z6	201	PEB	C4A-NA	-2.85	1.31	1.37
31	d6	202	PEB	OD-C4D	2.85	1.29	1.23
31	nF	202	PEB	OD-C4D	2.85	1.29	1.23
31	VK	202	PEB	C2C-C3C	2.85	1.46	1.37
31	PJ	203	PEB	OD-C4D	2.85	1.29	1.23
31	Z2	201	PEB	OD-C4D	2.85	1.29	1.23
33	N3	1001	CYC	C1D-CHD	2.85	1.52	1.41
31	LE	1002	PEB	C2A-C1A	-2.85	1.49	1.52
33	t3	1001	CYC	C1D-CHD	2.85	1.52	1.41
33	P3	1001	CYC	C1D-CHD	2.85	1.52	1.41
31	AB	301	PEB	OD-C4D	2.85	1.29	1.23
31	AI	202	PEB	OD-C4D	2.85	1.29	1.23
31	NI	202	PEB	OD-C4D	2.85	1.29	1.23
31	B1	201	PEB	OD-C4D	2.85	1.29	1.23
31	b7	502	PEB	OD-C4D	2.85	1.29	1.23
31	O9	201	PEB	OD-C4D	2.85	1.29	1.23
31	bB	202	PEB	OD-C4D	2.85	1.29	1.23
31	aC	202	PEB	OD-C4D	2.85	1.29	1.23
31	V2	203	PEB	C2A-C1A	-2.85	1.49	1.52
33	r3	1001	CYC	C4B-NB	-2.85	1.31	1.38
33	t3	1001	CYC	C4B-NB	-2.85	1.31	1.38
31	ZC	202	PEB	CHA-C1B	2.85	1.47	1.40
31	BJ	203	PEB	C2C-C3C	2.85	1.46	1.37
31	TK	202	PEB	C1A-NA	-2.85	1.33	1.37
31	BA	203	PEB	C2A-C1A	-2.85	1.49	1.52
31	e8	202	PEB	C2A-C1A	-2.85	1.49	1.52
31	PI	202	PEB	OD-C4D	2.85	1.29	1.23
31	F7	202	PEB	OD-C4D	2.85	1.29	1.23
31	GI	202	PEB	OD-C4D	2.85	1.29	1.23
32	AD	302	PUB	OD-C4D	2.85	1.29	1.23
31	VJ	203	PEB	C2A-C1A	-2.85	1.49	1.52
31	E7	201	PEB	C2A-C1A	-2.85	1.49	1.52
31	bF	201	PEB	OD-C4D	2.85	1.29	1.23
31	M9	301	PEB	C2A-C1A	-2.85	1.49	1.52
31	cC	202	PEB	C2A-C1A	-2.85	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	dE	204	PEB	OD-C4D	2.85	1.29	1.23
31	vF	201	PEB	OD-C4D	2.85	1.29	1.23
33	E3	1001	CYC	C1D-CHD	2.85	1.52	1.41
31	c6	203	PEB	OD-C4D	2.85	1.29	1.23
32	Q4	202	PUB	OD-C4D	2.85	1.29	1.23
33	i3	1001	CYC	C1D-CHD	2.85	1.52	1.41
33	m3	1001	CYC	C1D-CHD	2.85	1.52	1.41
31	PF	202	PEB	OD-C4D	2.84	1.29	1.23
31	KI	202	PEB	OD-C4D	2.84	1.29	1.23
33	l3	1001	CYC	C1D-CHD	2.84	1.52	1.41
31	lE	201	PEB	OD-C4D	2.84	1.29	1.23
31	O2	202	PEB	OD-C4D	2.84	1.29	1.23
33	G3	1001	CYC	C4B-NB	-2.84	1.32	1.38
33	r3	1001	CYC	C1D-CHD	2.84	1.52	1.41
31	m4	201	PEB	OD-C4D	2.84	1.29	1.23
31	K8	201	PEB	C2C-C3C	2.84	1.46	1.37
33	v3	1001	CYC	C1D-CHD	2.84	1.52	1.41
33	e3	1001	CYC	C4B-NB	-2.84	1.32	1.38
33	V3	1001	CYC	C4B-NB	-2.84	1.32	1.38
31	U7	202	PEB	OD-C4D	2.84	1.29	1.23
31	hE	201	PEB	OD-C4D	2.84	1.29	1.23
31	AG	202	PEB	OD-C4D	2.84	1.29	1.23
31	A2	305	PEB	OD-C4D	2.84	1.29	1.23
31	L5	203	PEB	OD-C4D	2.84	1.29	1.23
31	rF	201	PEB	OD-C4D	2.84	1.29	1.23
31	OC	203	PEB	CHA-C1B	2.84	1.47	1.40
31	c8	203	PEB	C2C-C3C	2.84	1.46	1.37
31	QA	204	PEB	C2A-C1A	-2.84	1.49	1.52
31	xF	302	PEB	OD-C4D	2.84	1.29	1.23
31	gH	202	PEB	OD-C4D	2.84	1.29	1.23
31	d8	201	PEB	C1A-NA	-2.84	1.33	1.37
33	p3	1001	CYC	C1D-CHD	2.84	1.52	1.41
31	D1	203	PEB	OD-C4D	2.84	1.29	1.23
31	U5	202	PEB	OD-C4D	2.84	1.29	1.23
33	NC	1001	CYC	OB-C4B	2.84	1.29	1.23
33	R3	1001	CYC	C1D-CHD	2.84	1.52	1.41
31	cB	201	PEB	OD-C4D	2.84	1.29	1.23
31	QE	201	PEB	C2C-C3C	2.84	1.46	1.37
31	IG	203	PEB	C1A-NA	-2.84	1.33	1.37
33	G3	1001	CYC	C1D-CHD	2.84	1.52	1.41
31	DI	203	PEB	OD-C4D	2.84	1.29	1.23
31	dE	202	PEB	OD-C4D	2.84	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	yF	303	PUB	C3B-C2B	2.84	1.46	1.37
31	WC	201	PEB	OD-C4D	2.84	1.29	1.23
31	N4	202	PEB	OD-C4D	2.84	1.29	1.23
31	SI	202	PEB	OD-C4D	2.84	1.29	1.23
31	A2	302	PEB	OD-C4D	2.84	1.29	1.23
31	M5	202	PEB	OD-C4D	2.84	1.29	1.23
31	hF	201	PEB	C1A-NA	-2.84	1.33	1.37
31	AJ	301	PEB	OD-C4D	2.84	1.29	1.23
31	g4	202	PEB	OD-C4D	2.84	1.29	1.23
31	fB	202	PEB	OD-C4D	2.84	1.29	1.23
31	XA	201	PEB	C2A-C1A	-2.84	1.49	1.52
31	YB	201	PEB	C2A-C1A	-2.84	1.49	1.52
31	OD	203	PEB	C2C-C3C	2.84	1.46	1.37
31	TC	201	PEB	OD-C4D	2.84	1.29	1.23
31	jH	201	PEB	OD-C4D	2.84	1.29	1.23
32	B4	302	PUB	OD-C4D	2.84	1.29	1.23
31	UI	203	PEB	OD-C4D	2.83	1.29	1.23
31	FJ	201	PEB	OD-C4D	2.83	1.29	1.23
31	dF	201	PEB	OD-C4D	2.83	1.29	1.23
33	g3	1001	CYC	C4B-NB	-2.83	1.32	1.38
31	P7	202	PEB	C2A-C1A	-2.83	1.49	1.52
31	HI	203	PEB	OD-C4D	2.83	1.29	1.23
31	F1	203	PEB	OD-C4D	2.83	1.29	1.23
33	c3	1001	CYC	C4B-NB	-2.83	1.32	1.38
31	D9	203	PEB	OD-C4D	2.83	1.29	1.23
31	D8	203	PEB	C2C-C3C	2.83	1.46	1.37
31	WH	203	PEB	CHA-C1B	2.83	1.47	1.40
33	E3	1001	CYC	C4B-NB	-2.83	1.32	1.38
31	LG	202	PEB	C2A-C1A	-2.83	1.49	1.52
31	a6	202	PEB	C2C-C3C	2.83	1.46	1.37
33	l3	1001	CYC	C4B-NB	-2.83	1.32	1.38
31	B5	202	PEB	OD-C4D	2.83	1.29	1.23
32	M9	304	PUB	OA-C1A	2.83	1.29	1.23
31	BJ	202	PEB	OD-C4D	2.83	1.29	1.23
31	kE	202	PEB	OD-C4D	2.83	1.29	1.23
31	FG	202	PEB	C2A-C1A	-2.83	1.49	1.52
33	e3	1001	CYC	C1D-CHD	2.83	1.52	1.41
31	b8	201	PEB	OD-C4D	2.83	1.29	1.23
31	L9	202	PEB	OD-C4D	2.83	1.29	1.23
31	W9	203	PEB	OD-C4D	2.83	1.29	1.23
33	C3	1001	CYC	C1D-CHD	2.83	1.52	1.41
31	CI	202	PEB	OD-C4D	2.83	1.29	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	ZI	301	PEB	OD-C4D	2.83	1.29	1.23
31	c4	202	PEB	OD-C4D	2.83	1.29	1.23
31	k4	201	PEB	OD-C4D	2.83	1.29	1.23
31	MI	305	PEB	OD-C4D	2.83	1.29	1.23
32	xF	305	PUB	OA-C1A	2.83	1.29	1.23
31	KA	303	PEB	C1D-ND	2.83	1.50	1.45
31	AE	304	PEB	OD-C4D	2.83	1.29	1.23
31	W5	202	PEB	OD-C4D	2.83	1.29	1.23
31	Y5	201	PEB	OD-C4D	2.83	1.29	1.23
31	v8	201	PEB	OD-C4D	2.83	1.29	1.23
31	cC	202	PEB	OD-C4D	2.83	1.29	1.23
31	mD	202	PEB	OD-C4D	2.83	1.29	1.23
31	mE	202	PEB	OD-C4D	2.83	1.29	1.23
33	g3	1001	CYC	C1D-CHD	2.83	1.52	1.41
31	OI	201	PEB	OD-C4D	2.83	1.29	1.23
31	e8	201	PEB	C2A-C1A	-2.83	1.49	1.52
33	A3	1001	CYC	C1D-CHD	2.83	1.52	1.41
31	c2	202	PEB	OD-C4D	2.83	1.29	1.23
32	Z9	305	PUB	OA-C1A	2.83	1.29	1.23
31	TC	201	PEB	C2A-C1A	-2.83	1.49	1.52
31	oF	203	PEB	C2A-C1A	-2.83	1.49	1.52
31	t8	201	PEB	OD-C4D	2.83	1.29	1.23
31	cA	402	PEB	OD-C4D	2.83	1.29	1.23
31	g6	201	PEB	OD-C4D	2.83	1.29	1.23
31	gD	201	PEB	OD-C4D	2.83	1.29	1.23
31	jC	203	PEB	OD-C4D	2.83	1.29	1.23
32	x8	306	PUB	OA-C1A	2.83	1.29	1.23
31	IK	201	PEB	OD-C4D	2.83	1.29	1.23
33	A3	1001	CYC	C4B-NB	-2.83	1.32	1.38
31	f6	201	PEB	OD-C4D	2.83	1.29	1.23
31	EF	202	PEB	OD-C4D	2.82	1.29	1.23
33	N2	1001	CYC	OB-C4B	2.82	1.29	1.23
33	R3	1001	CYC	C4B-NB	-2.82	1.32	1.38
33	L6	1001	CYC	C1B-NB	-2.82	1.33	1.37
31	TI	202	PEB	OD-C4D	2.82	1.29	1.23
31	dE	203	PEB	OD-C4D	2.82	1.29	1.23
32	QH	202	PUB	OD-C4D	2.82	1.29	1.23
33	D2	1001	CYC	OB-C4B	2.82	1.29	1.23
31	aC	201	PEB	C1A-NA	-2.82	1.33	1.37
31	Q4	203	PEB	C2A-C1A	-2.82	1.49	1.52
31	R2	201	PEB	OD-C4D	2.82	1.29	1.23
31	s8	203	PEB	C4B-C3B	2.82	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	y3	1001	CYC	C4B-NB	-2.82	1.32	1.38
31	MI	302	PEB	OD-C4D	2.82	1.29	1.23
31	x8	303	PEB	OD-C4D	2.82	1.29	1.23
31	AC	301	PEB	C1A-NA	-2.82	1.33	1.37
31	l8	203	PEB	C1A-NA	-2.82	1.33	1.37
31	BI	201	PEB	OD-C4D	2.82	1.29	1.23
31	N8	202	PEB	OD-C4D	2.82	1.29	1.23
31	XK	202	PEB	C2C-C3C	2.82	1.46	1.37
31	t8	203	PEB	C1A-NA	-2.82	1.33	1.37
31	BG	203	PEB	OD-C4D	2.82	1.29	1.23
31	BI	202	PEB	CHA-C1B	2.82	1.47	1.40
33	c3	1001	CYC	C1D-CHD	2.82	1.52	1.41
31	g2	202	PEB	C2A-C1A	-2.82	1.49	1.52
31	Q9	202	PEB	C2A-C1A	-2.82	1.49	1.52
31	Z8	202	PEB	OD-C4D	2.82	1.28	1.23
31	hB	202	PEB	OD-C4D	2.82	1.28	1.23
31	SH	203	PEB	C2A-C1A	-2.82	1.49	1.52
31	UI	204	PEB	C4B-C3B	2.82	1.50	1.45
31	OF	201	PEB	CHA-C1B	2.82	1.47	1.40
31	HF	201	PEB	C2C-C3C	2.82	1.46	1.37
31	AG	203	PEB	C2C-C3C	2.82	1.46	1.37
31	VB	202	PEB	C2A-C1A	-2.82	1.49	1.52
31	e4	201	PEB	C2A-C1A	-2.82	1.49	1.52
31	QF	203	PEB	C4A-NA	-2.82	1.31	1.37
33	L6	1001	CYC	C4B-NB	-2.82	1.32	1.38
31	J7	201	PEB	OD-C4D	2.82	1.28	1.23
31	u8	201	PEB	OD-C4D	2.82	1.28	1.23
33	W3	1001	CYC	C4B-NB	-2.82	1.32	1.38
31	mD	203	PEB	OD-C4D	2.82	1.28	1.23
31	mE	201	PEB	OD-C4D	2.82	1.28	1.23
31	SK	201	PEB	C2C-C3C	2.82	1.46	1.37
33	J3	1001	CYC	C1D-CHD	2.82	1.52	1.41
31	LI	203	PEB	OD-C4D	2.82	1.28	1.23
31	ZI	304	PEB	OD-C4D	2.82	1.28	1.23
31	A6	304	PEB	OD-C4D	2.82	1.28	1.23
33	N3	1001	CYC	C4B-NB	-2.82	1.32	1.38
31	l2	201	PEB	C1A-NA	-2.82	1.34	1.37
31	WI	203	PEB	OD-C4D	2.82	1.28	1.23
31	c4	201	PEB	OD-C4D	2.82	1.28	1.23
31	s8	201	PEB	OD-C4D	2.82	1.28	1.23
31	S5	202	PEB	OD-C4D	2.82	1.28	1.23
33	F2	1001	CYC	C1B-C2B	2.82	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	FC	1002	PEB	OD-C4D	2.82	1.28	1.23
31	mH	201	PEB	OD-C4D	2.82	1.28	1.23
33	m3	1001	CYC	C4B-NB	-2.82	1.32	1.38
33	J2	1001	CYC	C2C-C1C	-2.81	1.49	1.52
31	jC	201	PEB	OD-C4D	2.81	1.28	1.23
33	H6	1001	CYC	C3D-C2D	2.81	1.46	1.37
31	XF	202	PEB	C2C-C3C	2.81	1.46	1.37
31	S1	201	PEB	C2C-C3C	2.81	1.46	1.37
31	kD	201	PEB	OD-C4D	2.81	1.28	1.23
31	VA	201	PEB	C2A-C1A	-2.81	1.49	1.52
31	N4	201	PEB	C2A-C1A	-2.81	1.49	1.52
31	JK	203	PEB	OD-C4D	2.81	1.28	1.23
31	X7	202	PEB	OD-C4D	2.81	1.28	1.23
31	X1	202	PEB	C2C-C3C	2.81	1.46	1.37
31	j2	201	PEB	OD-C4D	2.81	1.28	1.23
31	fH	202	PEB	OD-C4D	2.81	1.28	1.23
31	BI	203	PEB	OD-C4D	2.81	1.28	1.23
31	HI	201	PEB	OD-C4D	2.81	1.28	1.23
31	hD	201	PEB	OD-C4D	2.81	1.28	1.23
31	UD	202	PEB	C2A-C1A	-2.81	1.49	1.52
31	H1	201	PEB	OD-C4D	2.81	1.28	1.23
33	JC	1001	CYC	OB-C4B	2.81	1.28	1.23
31	VH	202	PEB	OD-C4D	2.81	1.28	1.23
31	L9	203	PEB	C2C-C3C	2.81	1.46	1.37
31	I4	201	PEB	C2A-C1A	-2.81	1.49	1.52
31	H7	202	PEB	OD-C4D	2.81	1.28	1.23
31	DF	203	PEB	C2C-C3C	2.81	1.46	1.37
31	QI	203	PEB	OD-C4D	2.81	1.28	1.23
31	VC	203	PEB	C2A-C1A	-2.81	1.49	1.52
31	JG	202	PEB	C2A-C1A	-2.81	1.49	1.52
31	FK	202	PEB	C1A-NA	-2.81	1.34	1.37
31	G4	203	PEB	OD-C4D	2.81	1.28	1.23
31	eD	201	PEB	OD-C4D	2.81	1.28	1.23
31	w8	302	PEB	OD-C4D	2.81	1.28	1.23
31	KG	201	PEB	OD-C4D	2.81	1.28	1.23
31	SH	202	PEB	OD-C4D	2.81	1.28	1.23
31	HB	1002	PEB	C2A-C1A	-2.81	1.49	1.52
31	i2	202	PEB	C2A-C1A	-2.81	1.49	1.52
31	lE	201	PEB	C2A-C1A	-2.81	1.49	1.52
31	WJ	201	PEB	OD-C4D	2.81	1.28	1.23
31	cA	401	PEB	OD-C4D	2.81	1.28	1.23
31	V1	202	PEB	C2C-C3C	2.81	1.46	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	DK	203	PEB	OD-C4D	2.81	1.28	1.23
31	lE	202	PEB	C2A-C1A	-2.81	1.49	1.52
31	Y9	203	PEB	C2C-C3C	2.81	1.46	1.37
31	BJ	203	PEB	CHA-C1B	2.81	1.47	1.40
31	g6	203	PEB	OD-C4D	2.81	1.28	1.23
31	iB	203	PEB	OD-C4D	2.81	1.28	1.23
32	x8	301	PUB	OD-C4D	2.81	1.28	1.23
31	QD	201	PEB	C2A-C1A	-2.81	1.49	1.52
31	DE	1002	PEB	C4B-C3B	2.81	1.50	1.45
31	RD	202	PEB	OD-C4D	2.81	1.28	1.23
31	mB	203	PEB	OD-C4D	2.81	1.28	1.23
31	J4	202	PEB	OD-C4D	2.80	1.28	1.23
31	yF	301	PEB	OD-C4D	2.80	1.28	1.23
31	F2	1002	PEB	OD-C4D	2.80	1.28	1.23
31	A6	301	PEB	OD-C4D	2.80	1.28	1.23
31	E4	203	PEB	OD-C4D	2.80	1.28	1.23
31	A5	301	PEB	OD-C4D	2.80	1.28	1.23
31	mE	203	PEB	OD-C4D	2.80	1.28	1.23
31	FK	201	PEB	OD-C4D	2.80	1.28	1.23
31	i4	201	PEB	OD-C4D	2.80	1.28	1.23
31	V4	201	PEB	C2A-C1A	-2.80	1.49	1.52
31	CJ	202	PEB	OD-C4D	2.80	1.28	1.23
31	g4	201	PEB	OD-C4D	2.80	1.28	1.23
32	x8	305	PUB	OD-C4D	2.80	1.28	1.23
31	GF	202	PEB	CMB-C2B	-2.80	1.44	1.50
31	H8	201	PEB	C2C-C3C	2.80	1.46	1.37
31	LG	202	PEB	OD-C4D	2.80	1.28	1.23
31	c6	201	PEB	OD-C4D	2.80	1.28	1.23
31	U9	202	PEB	OD-C4D	2.80	1.28	1.23
31	lD	201	PEB	OD-C4D	2.80	1.28	1.23
31	m6	202	PEB	C2A-C1A	-2.80	1.49	1.52
31	QI	201	PEB	OD-C4D	2.80	1.28	1.23
31	mD	201	PEB	OD-C4D	2.80	1.28	1.23
31	ZF	202	PEB	OD-C4D	2.80	1.28	1.23
31	O7	203	PEB	OD-C4D	2.80	1.28	1.23
31	U1	201	PEB	C4A-NA	-2.80	1.31	1.37
31	HJ	201	PEB	C2C-C3C	2.80	1.46	1.37
31	J1	203	PEB	OD-C4D	2.80	1.28	1.23
31	E5	201	PEB	OD-C4D	2.80	1.28	1.23
31	J7	202	PEB	OD-C4D	2.80	1.28	1.23
31	dC	201	PEB	OD-C4D	2.80	1.28	1.23
31	DI	201	PEB	C2A-C1A	-2.80	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	O8	201	PEB	CHA-C1B	2.80	1.47	1.40
31	f2	201	PEB	OD-C4D	2.80	1.28	1.23
31	H4	202	PEB	OD-C4D	2.80	1.28	1.23
31	Q5	201	PEB	OD-C4D	2.80	1.28	1.23
31	BG	202	PEB	C1D-ND	2.80	1.49	1.45
31	F4	202	PEB	OD-C4D	2.80	1.28	1.23
31	R5	201	PEB	OD-C4D	2.80	1.28	1.23
31	YF	201	PEB	OD-C4D	2.80	1.28	1.23
31	Q9	201	PEB	C2A-C1A	-2.80	1.49	1.52
31	S4	203	PEB	OD-C4D	2.80	1.28	1.23
31	B5	203	PEB	C2C-C3C	2.80	1.46	1.37
31	U2	202	PEB	OD-C4D	2.80	1.28	1.23
33	FC	1001	CYC	C1B-C2B	2.80	1.50	1.45
31	D5	201	PEB	C2C-C3C	2.80	1.46	1.37
32	AB	302	PUB	OD-C4D	2.80	1.28	1.23
31	d2	202	PEB	C2A-C1A	-2.79	1.49	1.52
31	T2	202	PEB	OD-C4D	2.79	1.28	1.23
31	T2	201	PEB	C4B-C3B	2.79	1.50	1.45
31	XA	201	PEB	OD-C4D	2.79	1.28	1.23
31	RC	201	PEB	OD-C4D	2.79	1.28	1.23
31	KH	203	PEB	C2C-C3C	2.79	1.45	1.37
31	T1	202	PEB	C1A-NA	-2.79	1.34	1.37
31	DF	202	PEB	OD-C4D	2.79	1.28	1.23
31	n8	202	PEB	OD-C4D	2.79	1.28	1.23
31	UE	201	PEB	C2C-C3C	2.79	1.45	1.37
31	V1	201	PEB	OD-C4D	2.79	1.28	1.23
31	dB	202	PEB	OD-C4D	2.79	1.28	1.23
31	a2	201	PEB	C1A-NA	-2.79	1.34	1.37
31	dF	201	PEB	C1A-NA	-2.79	1.34	1.37
31	a4	201	PEB	OD-C4D	2.79	1.28	1.23
31	HD	1002	PEB	C2A-C1A	-2.79	1.49	1.52
31	fD	201	PEB	C2A-C1A	-2.79	1.49	1.52
31	JF	202	PEB	OD-C4D	2.79	1.28	1.23
32	xF	305	PUB	OD-C4D	2.79	1.28	1.23
31	I8	203	PEB	CHA-C1B	2.79	1.47	1.40
31	n8	201	PEB	OD-C4D	2.79	1.28	1.23
31	gB	203	PEB	OD-C4D	2.79	1.28	1.23
32	AD	303	PUB	OA-C1A	2.79	1.28	1.23
31	HG	202	PEB	C2A-C1A	-2.79	1.49	1.52
33	D2	1003	CYC	C2C-C1C	-2.79	1.49	1.52
31	C5	201	PEB	OD-C4D	2.79	1.28	1.23
31	JG	201	PEB	OD-C4D	2.79	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	bC	202	PEB	OD-C4D	2.79	1.28	1.23
31	TF	202	PEB	OD-C4D	2.79	1.28	1.23
31	YJ	201	PEB	OD-C4D	2.79	1.28	1.23
31	O4	202	PEB	OD-C4D	2.79	1.28	1.23
31	X7	202	PEB	C2A-C1A	-2.79	1.49	1.52
31	AA	501	PEB	OD-C4D	2.79	1.28	1.23
31	OG	203	PEB	OD-C4D	2.79	1.28	1.23
31	PJ	202	PEB	OD-C4D	2.79	1.28	1.23
31	J5	201	PEB	OD-C4D	2.79	1.28	1.23
31	f6	202	PEB	OD-C4D	2.79	1.28	1.23
31	jF	202	PEB	OD-C4D	2.79	1.28	1.23
31	vF	202	PEB	OD-C4D	2.79	1.28	1.23
31	O7	202	PEB	C2A-C1A	-2.79	1.49	1.52
31	e8	202	PEB	OD-C4D	2.79	1.28	1.23
31	dF	202	PEB	OD-C4D	2.79	1.28	1.23
31	UI	202	PEB	OD-C4D	2.79	1.28	1.23
31	R8	202	PEB	OD-C4D	2.79	1.28	1.23
33	C2	1001	CYC	OB-C4B	2.79	1.28	1.23
31	V1	203	PEB	OD-C4D	2.79	1.28	1.23
31	R4	202	PEB	OD-C4D	2.79	1.28	1.23
31	UA	304	PEB	OD-C4D	2.79	1.28	1.23
31	Y8	201	PEB	OD-C4D	2.79	1.28	1.23
31	D9	201	PEB	OD-C4D	2.79	1.28	1.23
31	IH	202	PEB	C4A-NA	-2.79	1.31	1.37
31	HE	1002	PEB	C4B-C3B	2.78	1.50	1.45
31	H5	201	PEB	C2C-C3C	2.78	1.45	1.37
31	eE	201	PEB	OD-C4D	2.78	1.28	1.23
33	x3	1001	CYC	C4B-NB	-2.78	1.32	1.38
31	AB	305	PEB	OD-C4D	2.78	1.28	1.23
31	GI	201	PEB	OD-C4D	2.78	1.28	1.23
31	FK	203	PEB	OD-C4D	2.78	1.28	1.23
31	gH	201	PEB	OD-C4D	2.78	1.28	1.23
31	YB	202	PEB	C2A-C1A	-2.78	1.49	1.52
31	v8	202	PEB	OD-C4D	2.78	1.28	1.23
31	UD	201	PEB	C2C-C3C	2.78	1.45	1.37
31	QH	204	PEB	OD-C4D	2.78	1.28	1.23
31	fD	203	PEB	OD-C4D	2.78	1.28	1.23
31	dE	201	PEB	OD-C4D	2.78	1.28	1.23
31	Q1	201	PEB	C2C-C3C	2.78	1.45	1.37
31	B5	203	PEB	CHA-C1B	2.78	1.46	1.40
31	ZB	201	PEB	C4A-NA	-2.78	1.31	1.37
31	UF	201	PEB	C4A-NA	-2.78	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	J9	202	PEB	OD-C4D	2.78	1.28	1.23
31	W5	201	PEB	C2A-C1A	-2.78	1.49	1.52
31	mE	201	PEB	C2A-C1A	-2.78	1.49	1.52
31	i2	201	PEB	OD-C4D	2.78	1.28	1.23
31	j6	202	PEB	OD-C4D	2.78	1.28	1.23
31	mF	201	PEB	OD-C4D	2.78	1.28	1.23
33	HB	1001	CYC	C3D-C2D	2.78	1.45	1.37
31	d8	202	PEB	OD-C4D	2.78	1.28	1.23
31	YA	201	PEB	C2A-C1A	-2.78	1.49	1.52
31	HK	203	PEB	OD-C4D	2.78	1.28	1.23
31	Z2	202	PEB	OD-C4D	2.78	1.28	1.23
31	f4	201	PEB	OD-C4D	2.78	1.28	1.23
31	V8	201	PEB	OD-C4D	2.78	1.28	1.23
31	L1	203	PEB	OD-C4D	2.78	1.28	1.23
31	DI	201	PEB	OD-C4D	2.78	1.28	1.23
32	A6	302	PUB	OD-C4D	2.78	1.28	1.23
32	AJ	303	PUB	OD-C4D	2.78	1.28	1.23
31	UJ	202	PEB	OD-C4D	2.78	1.28	1.23
31	VK	201	PEB	OD-C4D	2.78	1.28	1.23
31	Y7	504	PEB	OD-C4D	2.78	1.28	1.23
31	qF	202	PEB	C4B-C3B	2.78	1.50	1.45
31	O9	201	PEB	C2A-C1A	-2.78	1.49	1.52
31	eE	202	PEB	OD-C4D	2.78	1.28	1.23
31	QA	203	PEB	OD-C4D	2.78	1.28	1.23
31	F1	201	PEB	OD-C4D	2.78	1.28	1.23
31	SG	202	PEB	C2A-C1A	-2.78	1.49	1.52
31	AD	304	PEB	OD-C4D	2.78	1.28	1.23
31	fE	203	PEB	OD-C4D	2.78	1.28	1.23
32	A4	303	PUB	OA-C1A	2.78	1.28	1.23
31	j4	202	PEB	OD-C4D	2.78	1.28	1.23
31	k4	202	PEB	C2A-C1A	-2.78	1.49	1.52
31	PE	201	PEB	OD-C4D	2.78	1.28	1.23
31	QK	201	PEB	C2C-C3C	2.78	1.45	1.37
31	ZC	202	PEB	OD-C4D	2.78	1.28	1.23
31	OI	203	PEB	OD-C4D	2.78	1.28	1.23
31	L5	202	PEB	OD-C4D	2.78	1.28	1.23
31	X8	202	PEB	C2C-C3C	2.78	1.45	1.37
31	jB	202	PEB	OD-C4D	2.77	1.28	1.23
31	UA	304	PEB	C2A-C1A	-2.77	1.49	1.52
31	IF	203	PEB	CHA-C1B	2.77	1.46	1.40
31	U2	202	PEB	CHA-C1B	2.77	1.46	1.40
31	VI	201	PEB	OD-C4D	2.77	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	i4	202	PEB	OD-C4D	2.77	1.28	1.23
32	A4	304	PUB	OD-C4D	2.77	1.28	1.23
31	NJ	202	PEB	OD-C4D	2.77	1.28	1.23
31	WJ	201	PEB	C2A-C1A	-2.77	1.49	1.52
31	mB	202	PEB	C2A-C1A	-2.77	1.49	1.52
31	Q8	203	PEB	C4A-NA	-2.77	1.31	1.37
31	AD	301	PEB	OD-C4D	2.77	1.28	1.23
33	J6	1001	CYC	C3D-C2D	2.77	1.45	1.37
31	I1	201	PEB	C2A-C1A	-2.77	1.49	1.52
31	G8	201	PEB	C4A-NA	-2.77	1.31	1.37
33	JB	1001	CYC	C3D-C2D	2.77	1.45	1.37
31	NF	202	PEB	OD-C4D	2.77	1.28	1.23
31	P7	202	PEB	OD-C4D	2.77	1.28	1.23
31	lF	202	PEB	OD-C4D	2.77	1.28	1.23
31	j6	201	PEB	OD-C4D	2.77	1.28	1.23
31	N7	202	PEB	OD-C4D	2.77	1.28	1.23
31	H9	203	PEB	OD-C4D	2.77	1.28	1.23
31	Q9	201	PEB	OD-C4D	2.77	1.28	1.23
33	J6	1001	CYC	C1B-NB	-2.77	1.33	1.37
31	PD	201	PEB	OD-C4D	2.77	1.28	1.23
31	FI	203	PEB	OD-C4D	2.77	1.28	1.23
31	J8	202	PEB	OD-C4D	2.77	1.28	1.23
31	AH	302	PEB	OD-C4D	2.77	1.28	1.23
31	iC	201	PEB	OD-C4D	2.77	1.28	1.23
31	dC	202	PEB	OD-C4D	2.77	1.28	1.23
33	x3	1001	CYC	C1B-C2B	2.77	1.50	1.45
32	AC	304	PUB	OD-C4D	2.77	1.28	1.23
32	w8	304	PUB	OD-C4D	2.77	1.28	1.23
31	M1	201	PEB	C2A-C1A	-2.77	1.49	1.52
31	WG	203	PEB	OD-C4D	2.77	1.28	1.23
31	l8	202	PEB	OD-C4D	2.77	1.28	1.23
31	aD	202	PEB	OD-C4D	2.77	1.28	1.23
31	l2	203	PEB	C4B-C3B	2.77	1.50	1.45
31	M8	201	PEB	OD-C4D	2.77	1.28	1.23
31	m6	203	PEB	OD-C4D	2.77	1.28	1.23
31	gB	201	PEB	OD-C4D	2.77	1.28	1.23
33	DC	1001	CYC	OB-C4B	2.77	1.28	1.23
31	pF	202	PEB	OD-C4D	2.77	1.28	1.23
31	bC	201	PEB	OD-C4D	2.77	1.28	1.23
33	L2	1001	CYC	C4B-NB	-2.77	1.32	1.38
31	Z8	201	PEB	OD-C4D	2.77	1.28	1.23
31	HA	202	PEB	OD-C4D	2.77	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	fH	201	PEB	OD-C4D	2.77	1.28	1.23
31	YI	202	PEB	C2A-C1A	-2.77	1.49	1.52
31	X4	202	PEB	OD-C4D	2.77	1.28	1.23
31	UC	202	PEB	OD-C4D	2.76	1.28	1.23
31	W5	201	PEB	OD-C4D	2.76	1.28	1.23
31	bF	202	PEB	OD-C4D	2.76	1.28	1.23
31	m8	202	PEB	C2A-C1A	-2.76	1.49	1.52
31	LA	201	PEB	OD-C4D	2.76	1.28	1.23
31	Z4	201	PEB	OD-C4D	2.76	1.28	1.23
31	CI	201	PEB	OD-C4D	2.76	1.28	1.23
33	LE	1001	CYC	C1B-NB	-2.76	1.33	1.37
31	UA	303	PEB	C2A-C1A	-2.76	1.49	1.52
31	V2	201	PEB	C2A-C1A	-2.76	1.49	1.52
31	l6	201	PEB	C2A-C1A	-2.76	1.49	1.52
31	JJ	201	PEB	OD-C4D	2.76	1.28	1.23
31	L9	201	PEB	OD-C4D	2.76	1.28	1.23
31	gA	203	PEB	OD-C4D	2.76	1.28	1.23
31	ZA	202	PEB	OD-C4D	2.76	1.28	1.23
31	D7	202	PEB	OD-C4D	2.76	1.28	1.23
31	RJ	201	PEB	OD-C4D	2.76	1.28	1.23
31	b8	202	PEB	OD-C4D	2.76	1.28	1.23
31	fB	201	PEB	OD-C4D	2.76	1.28	1.23
31	OG	202	PEB	C4B-NB	-2.76	1.32	1.38
31	B9	202	PEB	C2A-C1A	-2.76	1.49	1.52
31	GH	202	PEB	OD-C4D	2.76	1.28	1.23
31	PI	201	PEB	OD-C4D	2.76	1.28	1.23
31	b2	201	PEB	OD-C4D	2.76	1.28	1.23
31	AF	201	PEB	OD-C4D	2.76	1.28	1.23
31	YI	203	PEB	OD-C4D	2.76	1.28	1.23
31	SI	203	PEB	OD-C4D	2.76	1.28	1.23
31	e2	202	PEB	OD-C4D	2.76	1.28	1.23
31	e4	201	PEB	OD-C4D	2.76	1.28	1.23
31	l4	203	PEB	OD-C4D	2.76	1.28	1.23
31	g6	202	PEB	OD-C4D	2.76	1.28	1.23
31	gB	202	PEB	OD-C4D	2.76	1.28	1.23
32	wF	304	PUB	OD-C4D	2.76	1.28	1.23
31	DF	201	PEB	OD-C4D	2.76	1.28	1.23
31	VK	202	PEB	OD-C4D	2.76	1.28	1.23
31	D4	201	PEB	C2A-C1A	-2.76	1.49	1.52
31	L7	202	PEB	C2A-C1A	-2.76	1.49	1.52
31	kH	201	PEB	C2A-C1A	-2.76	1.49	1.52
31	kH	202	PEB	OD-C4D	2.76	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	XK	203	PEB	C4A-NA	-2.76	1.31	1.37
31	RI	201	PEB	OD-C4D	2.76	1.28	1.23
31	U2	203	PEB	OD-C4D	2.76	1.28	1.23
31	y8	301	PEB	OD-C4D	2.76	1.28	1.23
31	JJ	202	PEB	C2A-C1A	-2.76	1.49	1.52
31	lB	201	PEB	C2A-C1A	-2.76	1.49	1.52
31	KG	201	PEB	C1D-ND	2.76	1.49	1.45
31	AI	201	PEB	OD-C4D	2.76	1.28	1.23
31	dD	204	PEB	OD-C4D	2.76	1.28	1.23
31	KG	201	PEB	C1A-NA	-2.76	1.34	1.37
31	Y7	504	PEB	C2A-C1A	-2.76	1.49	1.52
31	QA	204	PEB	OD-C4D	2.76	1.28	1.23
31	QD	202	PEB	OD-C4D	2.76	1.28	1.23
31	X4	201	PEB	OD-C4D	2.76	1.28	1.23
31	AB	304	PEB	OD-C4D	2.75	1.28	1.23
31	I1	201	PEB	OD-C4D	2.75	1.28	1.23
31	EJ	201	PEB	OD-C4D	2.75	1.28	1.23
31	lH	203	PEB	OD-C4D	2.75	1.28	1.23
32	A2	304	PUB	OD-C4D	2.75	1.28	1.23
31	T7	201	PEB	C4B-C3B	2.75	1.50	1.45
31	dC	202	PEB	C2A-C1A	-2.75	1.49	1.52
31	DJ	201	PEB	C2C-C3C	2.75	1.45	1.37
31	RH	202	PEB	OD-C4D	2.75	1.28	1.23
31	TI	201	PEB	OD-C4D	2.75	1.28	1.23
31	PB	202	PEB	C2C-C3C	2.75	1.45	1.37
31	Y9	203	PEB	OD-C4D	2.75	1.28	1.23
31	nF	201	PEB	OD-C4D	2.75	1.28	1.23
32	ZI	305	PUB	OA-C1A	2.75	1.28	1.23
31	XF	203	PEB	OD-C4D	2.75	1.28	1.23
31	QK	201	PEB	C4A-NA	-2.75	1.31	1.37
31	WH	203	PEB	C2C-C3C	2.75	1.45	1.37
31	jH	201	PEB	C2A-C1A	-2.75	1.49	1.52
31	LB	1002	PEB	OD-C4D	2.75	1.28	1.23
31	IJ	202	PEB	OD-C4D	2.75	1.28	1.23
31	B8	202	PEB	OD-C4D	2.75	1.28	1.23
32	M9	305	PUB	OA-C1A	2.75	1.28	1.23
31	O7	203	PEB	C2C-C3C	2.75	1.45	1.37
31	KI	201	PEB	OD-C4D	2.75	1.28	1.23
31	NI	201	PEB	OD-C4D	2.75	1.28	1.23
31	T4	201	PEB	OD-C4D	2.75	1.28	1.23
31	S5	201	PEB	OD-C4D	2.75	1.28	1.23
31	e6	201	PEB	OD-C4D	2.75	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	k8	201	PEB	OD-C4D	2.75	1.28	1.23
31	iC	201	PEB	C2A-C1A	-2.75	1.49	1.52
33	LE	1001	CYC	C4B-NB	-2.75	1.32	1.38
31	W4	202	PEB	OD-C4D	2.75	1.28	1.23
31	kF	201	PEB	OD-C4D	2.75	1.28	1.23
31	X5	202	PEB	OD-C4D	2.75	1.28	1.23
31	k6	201	PEB	OD-C4D	2.75	1.28	1.23
31	j8	202	PEB	OD-C4D	2.75	1.28	1.23
31	sF	201	PEB	OD-C4D	2.75	1.28	1.23
31	kH	201	PEB	OD-C4D	2.75	1.28	1.23
31	PK	203	PEB	C2A-C1A	-2.75	1.49	1.52
31	EI	201	PEB	OD-C4D	2.75	1.28	1.23
31	LD	1002	PEB	C2A-C1A	-2.75	1.49	1.52
31	UE	201	PEB	C2A-C1A	-2.75	1.49	1.52
31	HF	202	PEB	C2A-C1A	-2.75	1.49	1.52
31	E4	201	PEB	C2A-C1A	-2.75	1.49	1.52
31	fH	201	PEB	C2A-C1A	-2.75	1.49	1.52
31	I5	202	PEB	OD-C4D	2.75	1.28	1.23
31	c6	202	PEB	OD-C4D	2.75	1.28	1.23
31	M7	201	PEB	OD-C4D	2.75	1.28	1.23
31	U9	201	PEB	C4B-C3B	2.75	1.50	1.45
31	UH	202	PEB	C4A-NA	-2.75	1.31	1.37
31	k4	202	PEB	OD-C4D	2.75	1.28	1.23
31	tF	201	PEB	OD-C4D	2.75	1.28	1.23
31	HD	1002	PEB	C4B-C3B	2.75	1.50	1.45
31	UC	202	PEB	CHA-C1B	2.75	1.46	1.40
31	b6	202	PEB	OD-C4D	2.75	1.28	1.23
31	g8	201	PEB	OD-C4D	2.75	1.28	1.23
31	lD	203	PEB	OD-C4D	2.75	1.28	1.23
31	eF	202	PEB	OD-C4D	2.75	1.28	1.23
31	cH	202	PEB	OD-C4D	2.75	1.28	1.23
31	WG	201	PEB	OD-C4D	2.74	1.28	1.23
31	dD	203	PEB	OD-C4D	2.74	1.28	1.23
32	CI	203	PUB	OA-C1A	2.74	1.28	1.23
31	SJ	202	PEB	OD-C4D	2.74	1.28	1.23
31	KK	201	PEB	OD-C4D	2.74	1.28	1.23
31	hH	203	PEB	OD-C4D	2.74	1.28	1.23
31	NG	203	PEB	CHA-C1B	2.74	1.46	1.40
33	E2	1001	CYC	C4C-NC	-2.74	1.31	1.37
31	J4	201	PEB	OD-C4D	2.74	1.28	1.23
31	T6	203	PEB	OD-C4D	2.74	1.28	1.23
32	AH	303	PUB	OA-C1A	2.74	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	II	201	PEB	OD-C4D	2.74	1.28	1.23
31	jF	201	PEB	OD-C4D	2.74	1.28	1.23
31	K1	201	PEB	OD-C4D	2.74	1.28	1.23
31	L7	202	PEB	OD-C4D	2.74	1.28	1.23
31	X1	202	PEB	CHA-C1B	2.74	1.46	1.40
31	MF	201	PEB	OD-C4D	2.74	1.28	1.23
31	R4	201	PEB	OD-C4D	2.74	1.28	1.23
31	PC	202	PEB	OD-C4D	2.74	1.28	1.23
31	b2	202	PEB	OD-C4D	2.74	1.28	1.23
31	f4	203	PEB	OD-C4D	2.74	1.28	1.23
31	iB	202	PEB	OD-C4D	2.74	1.28	1.23
31	TJ	202	PEB	C2A-C1A	-2.74	1.49	1.52
31	V6	202	PEB	C2A-C1A	-2.74	1.49	1.52
31	RE	201	PEB	OD-C4D	2.74	1.28	1.23
31	CJ	201	PEB	OD-C4D	2.74	1.28	1.23
31	LK	203	PEB	OD-C4D	2.74	1.28	1.23
31	j8	201	PEB	OD-C4D	2.74	1.28	1.23
31	k8	202	PEB	C4B-C3B	2.74	1.50	1.45
31	TD	201	PEB	OD-C4D	2.74	1.28	1.23
31	iE	202	PEB	OD-C4D	2.74	1.28	1.23
31	PH	201	PEB	C2A-C1A	-2.74	1.49	1.52
33	LC	1001	CYC	C4B-NB	-2.74	1.32	1.38
31	RF	202	PEB	OD-C4D	2.74	1.28	1.23
31	WF	202	PEB	OD-C4D	2.74	1.28	1.23
32	A4	304	PUB	OA-C1A	2.74	1.28	1.23
32	A5	303	PUB	OD-C4D	2.74	1.28	1.23
31	TA	201	PEB	OD-C4D	2.74	1.28	1.23
31	UB	202	PEB	OD-C4D	2.74	1.28	1.23
31	RD	201	PEB	OD-C4D	2.74	1.28	1.23
31	NJ	203	PEB	C1A-NA	-2.74	1.34	1.37
31	J1	202	PEB	C1A-NA	-2.74	1.34	1.37
31	TC	202	PEB	OD-C4D	2.74	1.28	1.23
33	CC	1001	CYC	OB-C4B	2.74	1.28	1.23
31	P5	202	PEB	OD-C4D	2.73	1.28	1.23
33	E2	1001	CYC	C1B-NB	-2.73	1.33	1.37
31	m4	202	PEB	OD-C4D	2.73	1.28	1.23
31	iD	202	PEB	OD-C4D	2.73	1.28	1.23
31	aE	202	PEB	OD-C4D	2.73	1.28	1.23
32	Q4	202	PUB	OA-C1A	2.73	1.28	1.23
31	C4	202	PEB	OD-C4D	2.73	1.28	1.23
31	C5	202	PEB	OD-C4D	2.73	1.28	1.23
31	YH	202	PEB	C4A-NA	-2.73	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HE	1002	PEB	C2A-C1A	-2.73	1.49	1.52
31	IK	201	PEB	C2A-C1A	-2.73	1.49	1.52
31	T4	201	PEB	C2A-C1A	-2.73	1.49	1.52
31	i4	202	PEB	C2A-C1A	-2.73	1.49	1.52
31	V4	202	PEB	OD-C4D	2.73	1.28	1.23
32	AC	304	PUB	OA-C1A	2.73	1.28	1.23
31	WH	203	PEB	C4A-NA	-2.73	1.31	1.37
31	P1	203	PEB	OD-C4D	2.73	1.28	1.23
31	h4	202	PEB	OD-C4D	2.73	1.28	1.23
31	X7	201	PEB	OD-C4D	2.73	1.28	1.23
31	uF	202	PEB	OD-C4D	2.73	1.28	1.23
31	P2	202	PEB	OD-C4D	2.73	1.28	1.23
31	J9	201	PEB	OD-C4D	2.73	1.28	1.23
31	SA	203	PEB	OD-C4D	2.73	1.28	1.23
31	dA	202	PEB	OD-C4D	2.73	1.28	1.23
31	xF	304	PEB	C4B-C3B	2.73	1.50	1.45
33	EC	1001	CYC	C1B-NB	-2.73	1.33	1.37
31	EH	203	PEB	OD-C4D	2.73	1.28	1.23
31	QE	202	PEB	OD-C4D	2.73	1.28	1.23
31	l6	201	PEB	OD-C4D	2.73	1.28	1.23
31	T5	201	PEB	C1D-ND	2.73	1.49	1.45
31	YK	303	PEB	C2A-C1A	-2.73	1.49	1.52
31	fF	201	PEB	OD-C4D	2.73	1.28	1.23
31	mF	202	PEB	OD-C4D	2.73	1.28	1.23
31	I8	201	PEB	C3B-C2B	2.73	1.42	1.36
31	VC	201	PEB	C2A-C1A	-2.73	1.49	1.52
31	UC	203	PEB	OD-C4D	2.73	1.28	1.23
31	LK	202	PEB	OD-C4D	2.73	1.28	1.23
31	Y2	201	PEB	OD-C4D	2.73	1.28	1.23
31	RB	202	PEB	OD-C4D	2.73	1.28	1.23
32	A2	304	PUB	OA-C1A	2.73	1.28	1.23
31	T4	202	PEB	OD-C4D	2.73	1.28	1.23
31	eD	202	PEB	OD-C4D	2.73	1.28	1.23
31	UD	201	PEB	C2A-C1A	-2.73	1.49	1.52
31	W9	201	PEB	C2A-C1A	-2.73	1.49	1.52
31	F1	202	PEB	C1A-NA	-2.73	1.34	1.37
31	cD	202	PEB	OD-C4D	2.73	1.28	1.23
32	xF	306	PUB	OD-C4D	2.73	1.28	1.23
31	D1	201	PEB	OD-C4D	2.73	1.28	1.23
31	W9	202	PEB	C4B-C3B	2.73	1.50	1.45
31	YD	202	PEB	OD-C4D	2.72	1.28	1.23
31	PE	202	PEB	OD-C4D	2.72	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	aH	203	PEB	OD-C4D	2.72	1.28	1.23
31	L5	201	PEB	OD-C4D	2.72	1.28	1.23
31	U6	202	PEB	OD-C4D	2.72	1.28	1.23
31	L1	202	PEB	C2A-C1A	-2.72	1.49	1.52
31	PA	201	PEB	OD-C4D	2.72	1.28	1.23
31	SG	202	PEB	OD-C4D	2.72	1.28	1.23
31	h8	201	PEB	OD-C4D	2.72	1.28	1.23
31	VD	201	PEB	OD-C4D	2.72	1.28	1.23
31	B7	201	PEB	C2A-C1A	-2.72	1.49	1.52
31	JI	202	PEB	OD-C4D	2.72	1.28	1.23
31	r8	201	PEB	OD-C4D	2.72	1.28	1.23
31	PH	202	PEB	OD-C4D	2.72	1.28	1.23
31	sF	203	PEB	C4B-C3B	2.72	1.50	1.45
31	O8	201	PEB	C2A-C1A	-2.72	1.49	1.52
31	cE	201	PEB	C2A-C1A	-2.72	1.49	1.52
31	I4	201	PEB	OD-C4D	2.72	1.28	1.23
31	O7	203	PEB	C2A-C1A	-2.72	1.49	1.52
31	W8	202	PEB	C2A-C1A	-2.72	1.49	1.52
31	RE	202	PEB	OD-C4D	2.72	1.28	1.23
31	XH	201	PEB	OD-C4D	2.72	1.28	1.23
33	V3	1001	CYC	C1B-C2B	2.72	1.50	1.45
31	JI	201	PEB	OD-C4D	2.72	1.28	1.23
31	H1	203	PEB	OD-C4D	2.72	1.28	1.23
31	d2	201	PEB	OD-C4D	2.72	1.28	1.23
31	EF	202	PEB	C2A-C1A	-2.72	1.49	1.52
31	D8	202	PEB	OD-C4D	2.72	1.28	1.23
31	W9	201	PEB	OD-C4D	2.72	1.28	1.23
31	QJ	201	PEB	OD-C4D	2.72	1.28	1.23
31	A4	302	PEB	OD-C4D	2.72	1.28	1.23
31	H5	201	PEB	CHA-C1B	2.72	1.46	1.40
31	YE	202	PEB	OD-C4D	2.72	1.28	1.23
31	JH	202	PEB	OD-C4D	2.72	1.28	1.23
31	i2	202	PEB	OD-C4D	2.72	1.28	1.23
31	P6	201	PEB	OD-C4D	2.72	1.28	1.23
33	LB	1001	CYC	C1B-NB	-2.72	1.33	1.37
31	BF	202	PEB	C2A-C1A	-2.72	1.49	1.52
31	SH	203	PEB	OD-C4D	2.72	1.28	1.23
31	i6	202	PEB	OD-C4D	2.72	1.28	1.23
31	T8	202	PEB	OD-C4D	2.72	1.28	1.23
31	aA	201	PEB	OD-C4D	2.72	1.28	1.23
31	dD	201	PEB	OD-C4D	2.72	1.28	1.23
32	AB	302	PUB	OA-C1A	2.72	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	QH	202	PUB	OA-C1A	2.72	1.28	1.23
32	A6	302	PUB	OA-C1A	2.72	1.28	1.23
31	JK	203	PEB	C4B-C3B	2.72	1.50	1.45
31	HH	202	PEB	OD-C4D	2.72	1.28	1.23
31	LH	202	PEB	OD-C4D	2.72	1.28	1.23
31	JJ	202	PEB	OD-C4D	2.72	1.28	1.23
31	R7	202	PEB	OD-C4D	2.72	1.28	1.23
31	ZD	202	PEB	C2C-C3C	2.72	1.45	1.37
31	BA	201	PEB	OD-C4D	2.72	1.28	1.23
31	QA	203	PEB	C2A-C1A	-2.72	1.49	1.52
31	XJ	202	PEB	OD-C4D	2.72	1.28	1.23
31	N5	202	PEB	OD-C4D	2.72	1.28	1.23
31	IG	203	PEB	C4B-NB	-2.72	1.32	1.38
31	D4	201	PEB	OD-C4D	2.72	1.28	1.23
31	WF	202	PEB	C2A-C1A	-2.72	1.49	1.52
33	JB	1001	CYC	C1B-NB	-2.72	1.33	1.37
31	A5	302	PEB	OD-C4D	2.71	1.28	1.23
32	AC	303	PUB	OD-C4D	2.71	1.28	1.23
31	JG	201	PEB	C4B-C3B	2.71	1.50	1.45
31	T7	201	PEB	OD-C4D	2.71	1.28	1.23
31	H9	202	PEB	OD-C4D	2.71	1.28	1.23
32	AB	303	PUB	OD-C4D	2.71	1.28	1.23
31	HF	202	PEB	OD-C4D	2.71	1.28	1.23
31	P4	202	PEB	C2A-C1A	-2.71	1.49	1.52
31	D8	202	PEB	C2A-C1A	-2.71	1.49	1.52
31	KJ	201	PEB	OD-C4D	2.71	1.28	1.23
31	V1	202	PEB	OD-C4D	2.71	1.28	1.23
31	m8	202	PEB	OD-C4D	2.71	1.28	1.23
31	K7	202	PEB	C4A-NA	-2.71	1.31	1.37
31	U8	201	PEB	C4A-NA	-2.71	1.31	1.37
31	RC	202	PEB	OD-C4D	2.71	1.28	1.23
31	UC	201	PEB	OD-C4D	2.71	1.28	1.23
31	Q4	201	PEB	OD-C4D	2.71	1.28	1.23
31	LJ	202	PEB	OD-C4D	2.71	1.28	1.23
31	L6	1002	PEB	OD-C4D	2.71	1.28	1.23
31	Q8	201	PEB	OD-C4D	2.71	1.28	1.23
31	Y7	501	PEB	OD-C4D	2.71	1.28	1.23
31	lC	202	PEB	C4B-C3B	2.71	1.50	1.45
31	L4	201	PEB	OD-C4D	2.71	1.28	1.23
31	e4	202	PEB	OD-C4D	2.71	1.28	1.23
31	fC	203	PEB	OD-C4D	2.71	1.28	1.23
31	J5	202	PEB	C2A-C1A	-2.71	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	b7	501	PEB	C2A-C1A	-2.71	1.49	1.52
31	CF	203	PEB	OD-C4D	2.71	1.28	1.23
31	A4	301	PEB	OD-C4D	2.71	1.28	1.23
31	q8	202	PEB	OD-C4D	2.71	1.28	1.23
33	LD	1001	CYC	C4B-NB	-2.71	1.32	1.38
31	BG	201	PEB	OD-C4D	2.71	1.28	1.23
31	L1	202	PEB	OD-C4D	2.71	1.28	1.23
33	DC	1003	CYC	OB-C4B	2.71	1.28	1.23
31	JA	201	PEB	OD-C4D	2.71	1.28	1.23
31	JI	203	PEB	OD-C4D	2.71	1.28	1.23
31	jB	201	PEB	OD-C4D	2.71	1.28	1.23
31	B8	202	PEB	C2A-C1A	-2.71	1.49	1.52
31	mF	202	PEB	C2A-C1A	-2.71	1.49	1.52
31	q8	202	PEB	C4B-C3B	2.71	1.50	1.45
31	P6	202	PEB	C2C-C3C	2.71	1.45	1.37
31	YB	201	PEB	OD-C4D	2.71	1.28	1.23
31	VD	202	PEB	OD-C4D	2.71	1.28	1.23
31	KF	201	PEB	OD-C4D	2.71	1.28	1.23
31	CH	202	PEB	OD-C4D	2.71	1.28	1.23
31	V7	202	PEB	OD-C4D	2.71	1.28	1.23
31	QH	203	PEB	C2A-C1A	-2.71	1.49	1.52
31	U4	201	PEB	C2A-C1A	-2.71	1.49	1.52
31	R2	202	PEB	OD-C4D	2.71	1.28	1.23
31	gA	202	PEB	OD-C4D	2.71	1.28	1.23
31	ZE	202	PEB	C2C-C3C	2.71	1.45	1.37
31	QG	201	PEB	C2A-C1A	-2.71	1.49	1.52
31	fE	201	PEB	OD-C4D	2.71	1.28	1.23
31	J9	201	PEB	C4A-NA	-2.71	1.31	1.37
31	V2	203	PEB	OD-C4D	2.71	1.28	1.23
31	S6	202	PEB	OD-C4D	2.71	1.28	1.23
31	WH	202	PEB	C2A-C1A	-2.70	1.49	1.52
31	mD	201	PEB	C2A-C1A	-2.70	1.49	1.52
31	X1	203	PEB	C4A-NA	-2.70	1.31	1.37
31	i6	201	PEB	OD-C4D	2.70	1.28	1.23
31	gE	202	PEB	OD-C4D	2.70	1.28	1.23
31	D7	201	PEB	C2A-C1A	-2.70	1.49	1.52
31	HA	203	PEB	OD-C4D	2.70	1.28	1.23
31	h4	201	PEB	OD-C4D	2.70	1.28	1.23
33	BE	1002	CYC	OB-C4B	2.70	1.28	1.23
31	R5	201	PEB	C4B-C3B	2.70	1.50	1.45
31	F9	201	PEB	OD-C4D	2.70	1.28	1.23
31	V1	202	PEB	CHA-C1B	2.70	1.46	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	M8	202	PEB	C2A-C1A	-2.70	1.49	1.52
31	K4	202	PEB	OD-C4D	2.70	1.28	1.23
31	b7	501	PEB	OD-C4D	2.70	1.28	1.23
31	UK	201	PEB	C4A-NA	-2.70	1.31	1.37
31	OF	201	PEB	C2A-C1A	-2.70	1.49	1.52
31	PD	202	PEB	OD-C4D	2.70	1.28	1.23
31	oF	201	PEB	OD-C4D	2.70	1.28	1.23
31	NK	202	PEB	C2C-C3C	2.70	1.45	1.37
31	E4	201	PEB	OD-C4D	2.70	1.28	1.23
31	K8	201	PEB	OD-C4D	2.70	1.28	1.23
31	iC	202	PEB	OD-C4D	2.70	1.28	1.23
31	cE	201	PEB	OD-C4D	2.70	1.28	1.23
31	YA	201	PEB	OD-C4D	2.70	1.28	1.23
33	MD	1001	CYC	C4C-NC	-2.70	1.31	1.37
31	O1	201	PEB	C2C-C3C	2.70	1.45	1.37
31	IA	203	PEB	OD-C4D	2.70	1.28	1.23
31	N8	201	PEB	OD-C4D	2.70	1.28	1.23
31	mB	202	PEB	OD-C4D	2.70	1.28	1.23
31	XK	202	PEB	CHA-C1B	2.70	1.46	1.40
31	VF	201	PEB	OD-C4D	2.70	1.28	1.23
31	XI	201	PEB	OD-C4D	2.70	1.28	1.23
33	HC	1001	CYC	OB-C4B	2.70	1.28	1.23
31	eA	201	PEB	OD-C4D	2.70	1.28	1.23
32	A6	303	PUB	OA-C1A	2.70	1.28	1.23
31	D4	202	PEB	OD-C4D	2.70	1.28	1.23
31	O4	203	PEB	OD-C4D	2.70	1.28	1.23
31	O8	202	PEB	OD-C4D	2.70	1.28	1.23
31	RH	201	PEB	OD-C4D	2.70	1.28	1.23
31	V1	203	PEB	C4B-C3B	2.70	1.50	1.45
31	aA	202	PEB	OD-C4D	2.70	1.28	1.23
32	YK	304	PUB	OD-C4D	2.70	1.28	1.23
33	M2	201	CYC	OB-C4B	2.70	1.28	1.23
31	OG	202	PEB	C1A-NA	-2.70	1.34	1.37
31	OK	201	PEB	C2C-C3C	2.70	1.45	1.37
31	PH	201	PEB	OD-C4D	2.70	1.28	1.23
31	B7	201	PEB	OD-C4D	2.70	1.28	1.23
31	HG	203	PEB	C4B-NB	-2.70	1.32	1.38
31	D7	201	PEB	OD-C4D	2.70	1.28	1.23
32	AD	302	PUB	OA-C1A	2.70	1.28	1.23
31	KJ	201	PEB	C2A-C1A	-2.69	1.49	1.52
31	Z4	202	PEB	OD-C4D	2.69	1.28	1.23
31	cD	201	PEB	OD-C4D	2.69	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	A7	203	PEB	C2A-C1A	-2.69	1.49	1.52
31	T1	203	PEB	C4A-NA	-2.69	1.31	1.37
31	S2	201	PEB	OD-C4D	2.69	1.28	1.23
31	M4	203	PEB	OD-C4D	2.69	1.28	1.23
31	eB	201	PEB	OD-C4D	2.69	1.28	1.23
31	HG	201	PEB	C4B-C3B	2.69	1.50	1.45
31	K7	201	PEB	C2A-C1A	-2.69	1.49	1.52
33	JC	1003	CYC	OB-C4B	2.69	1.28	1.23
31	LJ	201	PEB	OD-C4D	2.69	1.28	1.23
31	V7	201	PEB	OD-C4D	2.69	1.28	1.23
33	EC	1001	CYC	C4C-NC	-2.69	1.31	1.37
31	U9	202	PEB	C4B-C3B	2.69	1.50	1.45
33	I2	201	CYC	C4B-NB	-2.69	1.32	1.38
31	TE	201	PEB	OD-C4D	2.69	1.28	1.23
31	QH	201	PEB	OD-C4D	2.69	1.28	1.23
31	UI	204	PEB	OD-C4D	2.69	1.28	1.23
31	V4	202	PEB	C2A-C1A	-2.69	1.49	1.52
31	EH	202	PEB	C4A-NA	-2.69	1.31	1.37
31	R1	203	PEB	OD-C4D	2.69	1.28	1.23
31	m6	202	PEB	OD-C4D	2.69	1.28	1.23
31	AF	202	PEB	C4B-C3B	2.69	1.50	1.45
31	J2	1002	PEB	OD-C4D	2.69	1.28	1.23
31	m6	201	PEB	OD-C4D	2.69	1.28	1.23
32	AH	304	PUB	OA-C1A	2.69	1.28	1.23
31	Y6	202	PEB	C2A-C1A	-2.69	1.49	1.52
31	IA	201	PEB	OD-C4D	2.69	1.28	1.23
31	cE	202	PEB	OD-C4D	2.69	1.28	1.23
31	YC	201	PEB	OD-C4D	2.69	1.28	1.23
31	YG	202	PEB	OD-C4D	2.69	1.28	1.23
31	e6	203	PEB	OD-C4D	2.69	1.28	1.23
32	xF	301	PUB	OD-C4D	2.69	1.28	1.23
31	MK	201	PEB	C2A-C1A	-2.69	1.49	1.52
31	AC	301	PEB	OD-C4D	2.69	1.28	1.23
31	WH	202	PEB	OD-C4D	2.69	1.28	1.23
31	R6	202	PEB	OD-C4D	2.69	1.28	1.23
31	P7	201	PEB	OD-C4D	2.69	1.28	1.23
32	AH	304	PUB	OD-C4D	2.69	1.28	1.23
32	YK	304	PUB	OA-C1A	2.69	1.28	1.23
31	Q1	201	PEB	C4A-NA	-2.69	1.31	1.37
31	SH	201	PEB	OD-C4D	2.69	1.28	1.23
32	CI	203	PUB	C1C-C2C	2.69	1.50	1.45
31	NF	201	PEB	OD-C4D	2.69	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	cB	202	PEB	OD-C4D	2.69	1.28	1.23
31	cH	201	PEB	OD-C4D	2.69	1.28	1.23
31	GA	201	PEB	OD-C4D	2.69	1.28	1.23
31	eB	203	PEB	OD-C4D	2.69	1.28	1.23
31	X1	202	PEB	C1A-NA	-2.69	1.34	1.37
31	Y6	203	PEB	OD-C4D	2.69	1.28	1.23
31	z8	501	PEB	OD-C4D	2.69	1.28	1.23
31	P1	202	PEB	C2C-C3C	2.69	1.45	1.37
31	AJ	302	PEB	OD-C4D	2.69	1.28	1.23
31	V9	202	PEB	OD-C4D	2.69	1.28	1.23
31	iH	202	PEB	OD-C4D	2.69	1.28	1.23
31	V1	203	PEB	C2A-C1A	-2.68	1.49	1.52
31	a4	202	PEB	C2A-C1A	-2.68	1.49	1.52
31	DA	201	PEB	OD-C4D	2.68	1.28	1.23
31	SJ	201	PEB	OD-C4D	2.68	1.28	1.23
31	TC	201	PEB	C4B-C3B	2.68	1.50	1.45
31	TH	202	PEB	OD-C4D	2.68	1.28	1.23
31	L7	201	PEB	OD-C4D	2.68	1.28	1.23
31	U7	201	PEB	OD-C4D	2.68	1.28	1.23
31	w8	303	PEB	OD-C4D	2.68	1.28	1.23
31	GA	203	PEB	OD-C4D	2.68	1.28	1.23
31	K9	202	PEB	OD-C4D	2.68	1.28	1.23
31	gA	201	PEB	OD-C4D	2.68	1.28	1.23
32	NJ	201	PUB	OA-C1A	2.68	1.28	1.23
31	VK	203	PEB	C4B-C3B	2.68	1.50	1.45
31	BG	203	PEB	C2A-C1A	-2.68	1.49	1.52
31	BA	203	PEB	OD-C4D	2.68	1.28	1.23
31	OF	202	PEB	OD-C4D	2.68	1.28	1.23
31	QF	201	PEB	OD-C4D	2.68	1.28	1.23
31	TF	201	PEB	OD-C4D	2.68	1.28	1.23
31	HJ	201	PEB	OD-C4D	2.68	1.28	1.23
31	f2	203	PEB	OD-C4D	2.68	1.28	1.23
31	S4	202	PEB	OD-C4D	2.68	1.28	1.23
31	B9	201	PEB	OD-C4D	2.68	1.28	1.23
31	dH	201	PEB	OD-C4D	2.68	1.28	1.23
31	k8	203	PEB	OD-C4D	2.68	1.28	1.23
32	ZI	305	PUB	C1C-C2C	2.68	1.50	1.45
31	WC	203	PEB	OD-C4D	2.68	1.28	1.23
31	BJ	201	PEB	OD-C4D	2.68	1.28	1.23
31	RK	203	PEB	OD-C4D	2.68	1.28	1.23
31	hC	201	PEB	OD-C4D	2.68	1.28	1.23
32	AB	303	PUB	OA-C1A	2.68	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	SG	201	PEB	C2A-C1A	-2.68	1.49	1.52
31	G4	203	PEB	C2A-C1A	-2.68	1.49	1.52
31	D7	202	PEB	C2A-C1A	-2.68	1.49	1.52
31	E8	202	PEB	C2A-C1A	-2.68	1.49	1.52
31	VA	201	PEB	OD-C4D	2.68	1.28	1.23
31	YE	201	PEB	OD-C4D	2.68	1.28	1.23
31	DA	201	PEB	C4A-NA	-2.68	1.31	1.37
31	RA	202	PEB	OD-C4D	2.68	1.28	1.23
31	l2	202	PEB	OD-C4D	2.68	1.28	1.23
31	H5	201	PEB	OD-C4D	2.68	1.28	1.23
31	C8	202	PEB	OD-C4D	2.68	1.28	1.23
31	HF	201	PEB	C4A-NA	-2.68	1.31	1.37
31	DK	202	PEB	OD-C4D	2.68	1.28	1.23
31	O4	201	PEB	OD-C4D	2.68	1.28	1.23
32	x8	306	PUB	OD-C4D	2.68	1.28	1.23
31	TJ	201	PEB	C1D-ND	2.68	1.49	1.45
31	KA	304	PEB	OD-C4D	2.68	1.28	1.23
31	b7	503	PEB	OD-C4D	2.68	1.28	1.23
33	J6	1001	CYC	C4B-NB	-2.68	1.32	1.38
31	S7	203	PEB	C2A-C1A	-2.68	1.49	1.52
31	lE	202	PEB	OD-C4D	2.68	1.28	1.23
31	h4	202	PEB	C4B-C3B	2.68	1.50	1.45
31	T8	201	PEB	OD-C4D	2.68	1.28	1.23
31	i8	202	PEB	OD-C4D	2.68	1.28	1.23
31	PK	203	PEB	OD-C4D	2.67	1.28	1.23
31	cA	403	PEB	C2A-C1A	-2.67	1.49	1.52
31	M4	201	PEB	OD-C4D	2.67	1.28	1.23
32	A2	303	PUB	OA-C1A	2.67	1.28	1.23
31	hD	201	PEB	C1C-CHB	2.67	1.51	1.41
31	DK	201	PEB	OD-C4D	2.67	1.28	1.23
33	H2	1001	CYC	OB-C4B	2.67	1.28	1.23
31	XF	202	PEB	C4A-NA	-2.67	1.31	1.37
31	BG	202	PEB	C2C-C3C	2.67	1.45	1.37
31	JC	1002	PEB	OD-C4D	2.67	1.28	1.23
33	BD	1002	CYC	OB-C4B	2.67	1.28	1.23
33	o3	1001	CYC	C4B-NB	-2.67	1.32	1.38
31	SB	201	PEB	OD-C4D	2.67	1.28	1.23
31	a4	204	PEB	OD-C4D	2.67	1.28	1.23
31	B7	202	PEB	OD-C4D	2.67	1.28	1.23
31	iH	201	PEB	OD-C4D	2.67	1.28	1.23
31	FH	202	PEB	OD-C4D	2.67	1.28	1.23
31	R1	201	PEB	OD-C4D	2.67	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	A2	303	PUB	OD-C4D	2.67	1.28	1.23
31	D2	1002	PEB	OD-C4D	2.67	1.28	1.23
31	P4	201	PEB	OD-C4D	2.67	1.28	1.23
31	JG	201	PEB	C2A-C1A	-2.67	1.49	1.52
31	VK	203	PEB	C2A-C1A	-2.67	1.49	1.52
31	fD	201	PEB	OD-C4D	2.67	1.28	1.23
31	ZC	203	PEB	C1B-C2B	2.67	1.51	1.45
31	W7	202	PEB	C4A-NA	-2.67	1.31	1.37
31	fE	201	PEB	C2A-C1A	-2.67	1.49	1.52
33	DC	1003	CYC	C2C-C1C	-2.67	1.49	1.52
33	W3	1001	CYC	C1D-CHD	2.67	1.51	1.41
31	L4	202	PEB	OD-C4D	2.67	1.28	1.23
31	N1	202	PEB	C2C-C3C	2.67	1.45	1.37
31	VE	202	PEB	OD-C4D	2.67	1.28	1.23
31	M4	202	PEB	C4A-NA	-2.67	1.31	1.37
31	HG	203	PEB	C1D-ND	2.67	1.49	1.45
33	y3	1001	CYC	C1D-CHD	2.67	1.51	1.41
31	ZF	201	PEB	OD-C4D	2.67	1.28	1.23
31	J1	201	PEB	OD-C4D	2.67	1.28	1.23
31	J5	202	PEB	OD-C4D	2.67	1.28	1.23
31	hD	202	PEB	OD-C4D	2.67	1.28	1.23
31	NA	201	PEB	OD-C4D	2.67	1.28	1.23
31	F8	201	PEB	C4B-C3B	2.67	1.50	1.45
32	ZI	305	PUB	C1C-NC	-2.67	1.32	1.38
31	m4	201	PEB	C2A-C1A	-2.67	1.49	1.52
31	FF	201	PEB	C4B-C3B	2.67	1.50	1.45
31	W8	202	PEB	OD-C4D	2.67	1.28	1.23
31	Q2	201	PEB	OD-C4D	2.66	1.28	1.23
31	W2	203	PEB	OD-C4D	2.66	1.28	1.23
33	BE	1002	CYC	C4A-C3A	2.66	1.51	1.45
31	KA	304	PEB	C2A-C1A	-2.66	1.49	1.52
31	RK	201	PEB	OD-C4D	2.66	1.28	1.23
32	AC	303	PUB	OA-C1A	2.66	1.28	1.23
31	QF	203	PEB	C1C-CHB	2.66	1.51	1.41
31	F5	203	PEB	C1C-CHB	2.66	1.51	1.41
31	O5	202	PEB	OD-C4D	2.66	1.28	1.23
31	o8	201	PEB	OD-C4D	2.66	1.28	1.23
31	E9	202	PEB	OD-C4D	2.66	1.28	1.23
31	EK	202	PEB	C1D-ND	2.66	1.49	1.45
31	c4	202	PEB	C2A-C1A	-2.66	1.49	1.52
31	f8	201	PEB	OD-C4D	2.66	1.28	1.23
31	hH	201	PEB	OD-C4D	2.66	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	GG	201	PEB	OD-C4D	2.66	1.28	1.23
31	Q7	201	PEB	OD-C4D	2.66	1.28	1.23
31	gF	201	PEB	OD-C4D	2.66	1.28	1.23
31	X7	202	PEB	C4A-NA	-2.66	1.31	1.37
31	QE	201	PEB	OD-C4D	2.66	1.28	1.23
32	Y1	304	PUB	OD-C4D	2.66	1.28	1.23
32	CI	203	PUB	C1C-NC	-2.66	1.32	1.38
31	L8	202	PEB	OD-C4D	2.66	1.28	1.23
31	GG	202	PEB	OD-C4D	2.66	1.28	1.23
31	CF	202	PEB	OD-C4D	2.66	1.28	1.23
32	y8	303	PUB	OD-C4D	2.66	1.28	1.23
31	hE	201	PEB	C1C-CHB	2.66	1.51	1.41
31	Q8	203	PEB	CHA-C1B	2.66	1.46	1.40
31	PK	202	PEB	C2C-C3C	2.66	1.45	1.37
31	XK	202	PEB	C2A-C1A	-2.66	1.49	1.52
31	UD	201	PEB	OD-C4D	2.66	1.28	1.23
31	T9	202	PEB	OD-C4D	2.66	1.28	1.23
31	B9	202	PEB	C4B-C3B	2.66	1.49	1.45
31	j6	201	PEB	CHA-C4A	-2.66	1.31	1.36
31	ZA	201	PEB	OD-C4D	2.66	1.28	1.23
31	d5	401	PEB	OD-C4D	2.66	1.28	1.23
31	E7	201	PEB	OD-C4D	2.66	1.28	1.23
31	Q8	203	PEB	C1C-CHB	2.66	1.51	1.41
31	B4	301	PEB	OD-C4D	2.66	1.28	1.23
31	X9	202	PEB	OD-C4D	2.66	1.28	1.23
31	dJ	401	PEB	OD-C4D	2.66	1.28	1.23
31	bA	201	PEB	OD-C4D	2.66	1.28	1.23
31	FI	201	PEB	C4A-NA	-2.66	1.31	1.37
31	N2	1002	PEB	OD-C4D	2.66	1.28	1.23
31	lB	201	PEB	OD-C4D	2.66	1.28	1.23
31	zF	501	PEB	OD-C4D	2.66	1.28	1.23
31	R6	203	PEB	C4B-C3B	2.66	1.49	1.45
31	I9	202	PEB	OD-C4D	2.66	1.28	1.23
33	F2	1001	CYC	OB-C4B	2.66	1.28	1.23
31	AE	301	PEB	OD-C4D	2.65	1.28	1.23
31	T2	201	PEB	C2A-C1A	-2.65	1.49	1.52
31	j6	201	PEB	C2A-C1A	-2.65	1.49	1.52
31	jB	201	PEB	C2A-C1A	-2.65	1.49	1.52
31	jB	201	PEB	CHA-C4A	-2.65	1.31	1.36
31	DC	1002	PEB	OD-C4D	2.65	1.28	1.23
31	VK	202	PEB	CHA-C1B	2.65	1.46	1.40
31	BA	202	PEB	OD-C4D	2.65	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	TH	201	PEB	OD-C4D	2.65	1.28	1.23
31	cA	403	PEB	OD-C4D	2.65	1.28	1.23
31	m6	203	PEB	C4B-C3B	2.65	1.49	1.45
31	VG	203	PEB	C4B-NB	-2.65	1.32	1.38
31	f4	201	PEB	C2A-C1A	-2.65	1.49	1.52
31	NK	202	PEB	CHA-C1B	2.65	1.46	1.40
31	k6	202	PEB	OD-C4D	2.65	1.28	1.23
31	A8	201	PEB	OD-C4D	2.65	1.28	1.23
31	Y4	201	PEB	OD-C4D	2.65	1.28	1.23
31	P6	203	PEB	OD-C4D	2.65	1.28	1.23
33	k3	1001	CYC	C4B-NB	-2.65	1.32	1.38
31	jH	203	PEB	C2A-C1A	-2.65	1.49	1.52
31	fH	203	PEB	OD-C4D	2.65	1.28	1.23
31	mH	202	PEB	OD-C4D	2.65	1.28	1.23
31	W8	201	PEB	C4A-NA	-2.65	1.31	1.37
31	RJ	201	PEB	C4B-C3B	2.65	1.49	1.45
31	SC	201	PEB	OD-C4D	2.65	1.28	1.23
31	VE	201	PEB	OD-C4D	2.65	1.28	1.23
31	C9	202	PEB	OD-C4D	2.65	1.28	1.23
32	A6	303	PUB	OD-C4D	2.65	1.28	1.23
31	H4	201	PEB	C2A-C1A	-2.65	1.49	1.52
31	IH	201	PEB	C2A-C1A	-2.65	1.49	1.52
31	NH	202	PEB	OD-C4D	2.65	1.28	1.23
31	VC	203	PEB	OD-C4D	2.65	1.28	1.23
31	ZH	202	PEB	OD-C4D	2.65	1.28	1.23
31	h2	202	PEB	OD-C4D	2.65	1.28	1.23
31	V4	201	PEB	OD-C4D	2.65	1.28	1.23
33	K2	201	CYC	OB-C4B	2.65	1.28	1.23
33	LD	1001	CYC	C1B-NB	-2.65	1.33	1.37
31	B5	201	PEB	OD-C4D	2.65	1.28	1.23
31	LK	202	PEB	C2A-C1A	-2.65	1.49	1.52
31	RB	203	PEB	C4B-C3B	2.65	1.49	1.45
31	HI	202	PEB	OD-C4D	2.65	1.28	1.23
31	wF	303	PEB	OD-C4D	2.65	1.28	1.23
31	V2	201	PEB	OD-C4D	2.65	1.28	1.23
31	R7	201	PEB	OD-C4D	2.65	1.28	1.23
33	h3	1001	CYC	C4B-NB	-2.65	1.32	1.38
31	hF	201	PEB	OD-C4D	2.65	1.28	1.23
31	DF	202	PEB	C2A-C1A	-2.65	1.49	1.52
31	T5	202	PEB	C2A-C1A	-2.65	1.49	1.52
31	OI	202	PEB	C2C-C3C	2.65	1.45	1.37
31	W9	201	PEB	CHA-C1B	2.65	1.46	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	wF	301	PEB	OD-C4D	2.65	1.28	1.23
31	xF	304	PEB	C1A-NA	-2.64	1.34	1.37
33	Q3	1001	CYC	C4B-NB	-2.64	1.32	1.38
31	JK	201	PEB	OD-C4D	2.64	1.28	1.23
31	D6	1002	PEB	OD-C4D	2.64	1.28	1.23
31	lF	201	PEB	C4B-C3B	2.64	1.49	1.45
31	QE	201	PEB	C2A-C1A	-2.64	1.49	1.52
31	W1	202	PEB	C2A-C1A	-2.64	1.49	1.52
31	AH	301	PEB	OD-C4D	2.64	1.28	1.23
31	B8	201	PEB	C4D-ND	2.64	1.38	1.35
31	DH	202	PEB	OD-C4D	2.64	1.28	1.23
31	aB	202	PEB	OD-C4D	2.64	1.28	1.23
33	I3	1001	CYC	C4B-NB	-2.64	1.32	1.38
31	fA	301	PEB	OD-C4D	2.64	1.28	1.23
31	hA	301	PEB	OD-C4D	2.64	1.28	1.23
31	aF	202	PEB	C2A-C1A	-2.64	1.49	1.52
31	BF	202	PEB	OD-C4D	2.64	1.28	1.23
31	E4	202	PEB	OD-C4D	2.64	1.28	1.23
31	lD	202	PEB	OD-C4D	2.64	1.28	1.23
31	TB	203	PEB	OD-C4D	2.64	1.28	1.23
31	VH	201	PEB	OD-C4D	2.64	1.28	1.23
31	l8	203	PEB	C2A-C1A	-2.64	1.49	1.52
31	aB	203	PEB	OD-C4D	2.64	1.28	1.23
31	hA	301	PEB	C2A-C1A	-2.64	1.49	1.52
33	JB	1001	CYC	C4B-NB	-2.64	1.32	1.38
31	lC	201	PEB	OD-C4D	2.64	1.28	1.23
31	jC	202	PEB	C2A-C1A	-2.64	1.49	1.52
31	HF	201	PEB	CHA-C1B	2.64	1.46	1.40
31	XA	202	PEB	OD-C4D	2.64	1.28	1.23
31	OJ	202	PEB	OD-C4D	2.64	1.28	1.23
31	D8	201	PEB	OD-C4D	2.64	1.28	1.23
31	mC	201	PEB	OD-C4D	2.64	1.28	1.23
31	eH	201	PEB	OD-C4D	2.64	1.28	1.23
32	AE	302	PUB	OA-C1A	2.64	1.28	1.23
31	cC	202	PEB	C1B-C2B	2.64	1.51	1.45
31	AJ	304	PEB	C2A-C1A	-2.64	1.49	1.52
31	r8	202	PEB	C2A-C1A	-2.64	1.49	1.52
31	F7	201	PEB	OD-C4D	2.64	1.28	1.23
32	AE	303	PUB	OA-C1A	2.64	1.28	1.23
31	S1	201	PEB	C4A-NA	-2.64	1.31	1.37
31	N1	202	PEB	OD-C4D	2.64	1.28	1.23
31	R9	202	PEB	OD-C4D	2.64	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	LI	201	PEB	OD-C4D	2.64	1.28	1.23
31	a6	203	PEB	OD-C4D	2.64	1.28	1.23
31	MH	202	PEB	C4A-NA	-2.64	1.31	1.37
31	XH	202	PEB	OD-C4D	2.64	1.28	1.23
31	KG	201	PEB	CHA-C1B	2.64	1.46	1.40
31	Y1	303	PEB	C2A-C1A	-2.64	1.49	1.52
31	JH	201	PEB	OD-C4D	2.64	1.28	1.23
31	K5	201	PEB	OD-C4D	2.64	1.28	1.23
31	T9	201	PEB	OD-C4D	2.63	1.28	1.23
33	u3	1001	CYC	C4B-NB	-2.63	1.32	1.38
31	V2	202	PEB	OD-C4D	2.63	1.28	1.23
31	Y6	201	PEB	OD-C4D	2.63	1.28	1.23
31	kF	203	PEB	OD-C4D	2.63	1.28	1.23
31	J1	203	PEB	C4B-C3B	2.63	1.49	1.45
31	X8	203	PEB	OD-C4D	2.63	1.28	1.23
31	U9	203	PEB	OD-C4D	2.63	1.28	1.23
33	L3	1001	CYC	C4B-NB	-2.63	1.32	1.38
31	N7	201	PEB	OD-C4D	2.63	1.28	1.23
31	lE	203	PEB	OD-C4D	2.63	1.28	1.23
31	b8	202	PEB	C2A-C1A	-2.63	1.49	1.52
33	D3	1001	CYC	C4B-NB	-2.63	1.32	1.38
31	WD	203	PEB	OD-C4D	2.63	1.28	1.23
31	WE	203	PEB	OD-C4D	2.63	1.28	1.23
31	mC	202	PEB	OD-C4D	2.63	1.28	1.23
31	FB	1002	PEB	OD-C4D	2.63	1.28	1.23
31	MI	301	PEB	OD-C4D	2.63	1.28	1.23
31	U2	201	PEB	OD-C4D	2.63	1.28	1.23
31	N4	201	PEB	OD-C4D	2.63	1.28	1.23
31	D1	202	PEB	OD-C4D	2.63	1.28	1.23
31	hE	202	PEB	OD-C4D	2.63	1.28	1.23
31	Z2	203	PEB	C1B-C2B	2.63	1.51	1.45
31	I7	201	PEB	OD-C4D	2.63	1.28	1.23
32	KK	203	PUB	OD-C4D	2.63	1.28	1.23
33	M3	1001	CYC	C4B-NB	-2.63	1.32	1.38
31	kF	202	PEB	C4B-C3B	2.63	1.49	1.45
31	WF	201	PEB	C4A-NA	-2.63	1.31	1.37
31	VC	202	PEB	OD-C4D	2.63	1.28	1.23
31	G9	202	PEB	OD-C4D	2.63	1.28	1.23
31	OC	203	PEB	OD-C4D	2.63	1.28	1.23
33	LC	1003	CYC	C1B-NB	-2.63	1.33	1.37
33	F3	1001	CYC	C4B-NB	-2.63	1.32	1.38
33	H3	1001	CYC	C4B-NB	-2.63	1.32	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	U4	201	PEB	OD-C4D	2.63	1.28	1.23
33	B3	1001	CYC	C4B-NB	-2.63	1.32	1.38
31	CG	201	PEB	OD-C4D	2.63	1.28	1.23
31	G7	202	PEB	OD-C4D	2.63	1.28	1.23
31	SK	201	PEB	C4A-NA	-2.63	1.31	1.37
31	FJ	203	PEB	C1C-CHB	2.63	1.51	1.41
31	SF	201	PEB	C2C-C3C	2.63	1.45	1.37
31	g4	202	PEB	C2A-C1A	-2.63	1.49	1.52
31	iB	201	PEB	C2A-C1A	-2.63	1.49	1.52
31	SA	201	PEB	OD-C4D	2.63	1.28	1.23
31	F1	202	PEB	OD-C4D	2.63	1.28	1.23
31	e6	202	PEB	OD-C4D	2.63	1.28	1.23
31	NC	1002	PEB	OD-C4D	2.63	1.28	1.23
31	S4	201	PEB	OD-C4D	2.63	1.28	1.23
31	H7	201	PEB	OD-C4D	2.63	1.28	1.23
33	KB	1001	CYC	OB-C4B	2.63	1.28	1.23
31	U7	202	PEB	C4B-C3B	2.63	1.49	1.45
31	EA	501	PEB	OD-C4D	2.63	1.28	1.23
31	PF	201	PEB	OD-C4D	2.63	1.28	1.23
31	FK	202	PEB	OD-C4D	2.63	1.28	1.23
31	C4	203	PEB	OD-C4D	2.63	1.28	1.23
31	SA	202	PEB	OD-C4D	2.63	1.28	1.23
31	P9	202	PEB	OD-C4D	2.63	1.28	1.23
31	UA	303	PEB	OD-C4D	2.63	1.28	1.23
31	C4	203	PEB	C2A-C1A	-2.63	1.49	1.52
31	IG	201	PEB	OD-C4D	2.62	1.28	1.23
31	R6	203	PEB	OD-C4D	2.62	1.28	1.23
31	iB	201	PEB	OD-C4D	2.62	1.28	1.23
33	j3	1001	CYC	C4B-NB	-2.62	1.32	1.38
31	mB	201	PEB	OD-C4D	2.62	1.28	1.23
31	g8	201	PEB	C2A-C1A	-2.62	1.49	1.52
31	O9	203	PEB	OD-C4D	2.62	1.28	1.23
31	b6	201	PEB	OD-C4D	2.62	1.28	1.23
31	YI	201	PEB	OD-C4D	2.62	1.28	1.23
31	YD	201	PEB	OD-C4D	2.62	1.28	1.23
31	YG	201	PEB	OD-C4D	2.62	1.28	1.23
31	Q2	202	PEB	OD-C4D	2.62	1.28	1.23
33	U3	1001	CYC	C4B-NB	-2.62	1.32	1.38
31	X8	202	PEB	C4A-NA	-2.62	1.31	1.37
31	HJ	201	PEB	CHA-C1B	2.62	1.46	1.40
31	DB	1002	PEB	OD-C4D	2.62	1.28	1.23
31	N9	202	PEB	OD-C4D	2.62	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	S9	203	PEB	OD-C4D	2.62	1.28	1.23
33	d3	1001	CYC	C4B-NB	-2.62	1.32	1.38
31	B4	301	PEB	C2A-C1A	-2.62	1.49	1.52
31	G4	201	PEB	OD-C4D	2.62	1.28	1.23
31	SI	201	PEB	C4A-NA	-2.62	1.31	1.37
31	m2	201	PEB	OD-C4D	2.62	1.28	1.23
31	YH	203	PEB	OD-C4D	2.62	1.28	1.23
31	F6	1002	PEB	OD-C4D	2.62	1.28	1.23
31	kB	202	PEB	OD-C4D	2.62	1.28	1.23
31	B5	202	PEB	C2A-C1A	-2.62	1.49	1.52
31	l4	201	PEB	OD-C4D	2.62	1.28	1.23
31	aH	202	PEB	OD-C4D	2.62	1.28	1.23
31	GA	202	PEB	OD-C4D	2.62	1.28	1.23
31	PB	201	PEB	OD-C4D	2.62	1.28	1.23
31	UE	201	PEB	OD-C4D	2.62	1.28	1.23
31	RG	201	PEB	OD-C4D	2.62	1.28	1.23
33	L6	1001	CYC	OB-C4B	2.62	1.28	1.23
33	O3	1001	CYC	C4B-NB	-2.62	1.32	1.38
31	k6	202	PEB	C2A-C1A	-2.62	1.49	1.52
31	IJ	201	PEB	C4B-C3B	2.62	1.49	1.45
31	TB	202	PEB	OD-C4D	2.61	1.28	1.23
31	QC	202	PEB	OD-C4D	2.61	1.28	1.23
31	IH	203	PEB	OD-C4D	2.61	1.28	1.23
33	n3	1001	CYC	C4B-NB	-2.61	1.32	1.38
31	H8	202	PEB	C2A-C1A	-2.61	1.49	1.52
31	LK	201	PEB	OD-C4D	2.61	1.28	1.23
31	NK	202	PEB	OD-C4D	2.61	1.28	1.23
31	B9	203	PEB	OD-C4D	2.61	1.28	1.23
31	aD	201	PEB	OD-C4D	2.61	1.28	1.23
31	NG	201	PEB	OD-C4D	2.61	1.28	1.23
31	S9	202	PEB	OD-C4D	2.61	1.28	1.23
31	TK	203	PEB	C4A-NA	-2.61	1.31	1.37
31	Y9	202	PEB	C2A-C1A	-2.61	1.49	1.52
31	QC	201	PEB	OD-C4D	2.61	1.28	1.23
31	PG	201	PEB	OD-C4D	2.61	1.28	1.23
31	NH	201	PEB	OD-C4D	2.61	1.28	1.23
31	N1	201	PEB	OD-C4D	2.61	1.28	1.23
31	EJ	201	PEB	C2A-C1A	-2.61	1.49	1.52
31	i6	201	PEB	C2A-C1A	-2.61	1.49	1.52
31	i8	202	PEB	C2A-C1A	-2.61	1.49	1.52
33	LE	1001	CYC	C4C-NC	-2.61	1.31	1.37
31	YB	203	PEB	OD-C4D	2.61	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	d4	202	PEB	OD-C4D	2.61	1.28	1.23
31	UI	201	PEB	C4B-C3B	2.61	1.49	1.45
31	DA	202	PEB	OD-C4D	2.61	1.28	1.23
33	D2	1003	CYC	OB-C4B	2.61	1.28	1.23
33	S3	1001	CYC	C4B-NB	-2.61	1.32	1.38
31	BF	201	PEB	C1D-ND	2.61	1.49	1.45
31	N1	202	PEB	CHA-C1B	2.61	1.46	1.40
31	LG	201	PEB	C4A-NA	-2.61	1.31	1.37
31	I7	203	PEB	C2A-C1A	-2.61	1.49	1.52
31	A9	202	PEB	OD-C4D	2.61	1.28	1.23
31	PB	202	PEB	OD-C4D	2.61	1.28	1.23
32	Y1	304	PUB	OA-C1A	2.61	1.28	1.23
31	N1	203	PEB	OD-C4D	2.61	1.28	1.23
31	A9	201	PEB	OD-C4D	2.61	1.28	1.23
33	I2	201	CYC	C1B-NB	-2.61	1.33	1.37
33	BD	1002	CYC	C4A-C3A	2.61	1.51	1.45
31	QD	201	PEB	OD-C4D	2.61	1.28	1.23
31	UI	202	PEB	C4B-C3B	2.61	1.49	1.45
32	K1	203	PUB	OD-C4D	2.61	1.28	1.23
31	ZD	201	PEB	C4A-NA	-2.61	1.31	1.37
31	L1	201	PEB	OD-C4D	2.61	1.28	1.23
31	q8	201	PEB	OD-C4D	2.61	1.28	1.23
31	w8	301	PEB	OD-C4D	2.61	1.28	1.23
31	S8	201	PEB	C2C-C3C	2.61	1.45	1.37
31	F9	203	PEB	C4A-NA	-2.61	1.31	1.37
31	QH	203	PEB	OD-C4D	2.61	1.28	1.23
33	FC	1001	CYC	OB-C4B	2.61	1.28	1.23
31	A7	201	PEB	C4A-NA	-2.61	1.31	1.37
31	VC	201	PEB	OD-C4D	2.61	1.28	1.23
31	K9	201	PEB	OD-C4D	2.61	1.28	1.23
31	R9	201	PEB	OD-C4D	2.61	1.28	1.23
31	WA	401	PEB	OD-C4D	2.61	1.28	1.23
31	VG	201	PEB	OD-C4D	2.61	1.28	1.23
31	l4	202	PEB	OD-C4D	2.61	1.28	1.23
31	L9	203	PEB	OD-C4D	2.61	1.28	1.23
31	H7	201	PEB	C2A-C1A	-2.61	1.49	1.52
33	ME	1001	CYC	C4C-NC	-2.61	1.31	1.37
31	KG	202	PEB	OD-C4D	2.60	1.28	1.23
31	F5	203	PEB	C4A-NA	-2.60	1.31	1.37
31	ZD	202	PEB	OD-C4D	2.60	1.28	1.23
31	YK	302	PEB	OD-C4D	2.60	1.28	1.23
31	A2	301	PEB	OD-C4D	2.60	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	E1	202	PEB	C1D-ND	2.60	1.49	1.45
31	K5	201	PEB	C2A-C1A	-2.60	1.49	1.52
31	A8	202	PEB	C4B-C3B	2.60	1.49	1.45
31	d2	202	PEB	OD-C4D	2.60	1.28	1.23
31	g8	203	PEB	OD-C4D	2.60	1.28	1.23
31	N9	201	PEB	OD-C4D	2.60	1.28	1.23
31	MF	203	PEB	OD-C4D	2.60	1.28	1.23
31	h6	201	PEB	OD-C4D	2.60	1.28	1.23
31	P9	201	PEB	OD-C4D	2.60	1.28	1.23
31	F1	203	PEB	C2A-C1A	-2.60	1.49	1.52
31	x8	304	PEB	C4B-C3B	2.60	1.49	1.45
33	w3	1001	CYC	C4B-NB	-2.60	1.32	1.38
31	Q9	201	PEB	C4A-NA	-2.60	1.31	1.37
31	EG	201	PEB	OD-C4D	2.60	1.28	1.23
31	TG	202	PEB	OD-C4D	2.60	1.28	1.23
31	XG	201	PEB	OD-C4D	2.60	1.28	1.23
31	bB	201	PEB	OD-C4D	2.60	1.28	1.23
32	N5	201	PUB	OA-C1A	2.60	1.28	1.23
33	KC	201	CYC	OB-C4B	2.60	1.28	1.23
31	KD	201	PEB	OD-C4D	2.60	1.28	1.23
31	YK	303	PEB	OD-C4D	2.60	1.28	1.23
31	iF	202	PEB	OD-C4D	2.60	1.28	1.23
31	QI	201	PEB	C2A-C1A	-2.60	1.49	1.52
31	eH	202	PEB	OD-C4D	2.60	1.28	1.23
31	XJ	202	PEB	C4B-C3B	2.60	1.49	1.45
33	f3	1001	CYC	C4B-NB	-2.60	1.32	1.38
31	DE	1002	PEB	OD-C4D	2.60	1.28	1.23
31	SI	201	PEB	OD-C4D	2.60	1.28	1.23
31	P7	201	PEB	C2A-C1A	-2.60	1.49	1.52
31	B8	201	PEB	C1D-ND	2.60	1.49	1.45
31	mB	203	PEB	C4B-C3B	2.60	1.49	1.45
31	HG	203	PEB	CHA-C1B	2.60	1.46	1.40
31	Y1	301	PEB	OD-C4D	2.60	1.28	1.23
31	D9	201	PEB	C4A-NA	-2.60	1.31	1.37
31	XK	202	PEB	C1A-NA	-2.60	1.34	1.37
31	RK	201	PEB	C4A-NA	-2.60	1.31	1.37
31	R1	201	PEB	C4A-NA	-2.60	1.31	1.37
33	73	1001	CYC	C4B-NB	-2.60	1.32	1.38
33	73	1002	CYC	C1B-C2B	2.60	1.49	1.45
31	p8	201	PEB	OD-C4D	2.60	1.28	1.23
31	ZE	202	PEB	OD-C4D	2.60	1.28	1.23
31	RG	203	PEB	C4B-NB	-2.60	1.33	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	S7	203	PEB	C4B-C3B	2.60	1.49	1.45
31	V7	201	PEB	C4B-C3B	2.60	1.49	1.45
33	q3	1001	CYC	C4B-NB	-2.60	1.32	1.38
31	CH	203	PEB	OD-C4D	2.60	1.28	1.23
31	G5	201	PEB	OD-C4D	2.60	1.28	1.23
31	MF	202	PEB	C4B-C3B	2.60	1.49	1.45
31	Y6	202	PEB	OD-C4D	2.59	1.28	1.23
33	LB	1001	CYC	OB-C4B	2.59	1.28	1.23
31	P6	202	PEB	C2A-C1A	-2.59	1.49	1.52
33	KE	202	CYC	OB-C4B	2.59	1.28	1.23
31	aE	201	PEB	OD-C4D	2.59	1.28	1.23
31	BG	201	PEB	C2A-C1A	-2.59	1.49	1.52
31	PA	201	PEB	C4A-NA	-2.59	1.31	1.37
31	IG	203	PEB	OD-C4D	2.59	1.28	1.23
31	T6	202	PEB	OD-C4D	2.59	1.28	1.23
31	aB	201	PEB	OD-C4D	2.59	1.28	1.23
31	Q2	201	PEB	C4B-C3B	2.59	1.49	1.45
31	N1	202	PEB	C1A-NA	-2.59	1.34	1.37
31	rF	201	PEB	C1A-NA	-2.59	1.34	1.37
31	H8	201	PEB	C4A-NA	-2.59	1.31	1.37
31	FJ	203	PEB	C4A-NA	-2.59	1.31	1.37
31	AG	203	PEB	CHA-C1B	2.59	1.46	1.40
31	NF	202	PEB	C2A-C1A	-2.59	1.49	1.52
32	Z9	305	PUB	OD-C4D	2.59	1.28	1.23
31	X9	201	PEB	OD-C4D	2.59	1.28	1.23
31	m4	202	PEB	C2A-C1A	-2.59	1.49	1.52
31	aA	202	PEB	C2A-C1A	-2.59	1.49	1.52
31	IF	201	PEB	C3B-C2B	2.59	1.42	1.36
31	mC	201	PEB	C2A-C1A	-2.59	1.49	1.52
31	J9	203	PEB	OD-C4D	2.59	1.28	1.23
31	UG	202	PEB	OD-C4D	2.59	1.28	1.23
31	a6	202	PEB	OD-C4D	2.59	1.28	1.23
31	U7	203	PEB	OD-C4D	2.59	1.28	1.23
31	IJ	201	PEB	C2A-C1A	-2.59	1.49	1.52
33	JC	1003	CYC	C2C-C1C	-2.59	1.49	1.52
31	D8	203	PEB	OD-C4D	2.59	1.28	1.23
31	G9	201	PEB	OD-C4D	2.59	1.28	1.23
31	GJ	201	PEB	OD-C4D	2.59	1.28	1.23
31	SH	201	PEB	C2A-C1A	-2.59	1.49	1.52
33	KE	202	CYC	C4C-NC	-2.59	1.31	1.37
31	NK	201	PEB	OD-C4D	2.59	1.28	1.23
31	E8	201	PEB	OD-C4D	2.59	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	x8	301	PUB	OA-C1A	2.59	1.28	1.23
31	a2	202	PEB	C2A-C1A	-2.59	1.49	1.52
31	QA	201	PEB	OD-C4D	2.59	1.28	1.23
31	R6	201	PEB	OD-C4D	2.59	1.28	1.23
31	M9	302	PEB	OD-C4D	2.59	1.28	1.23
31	gD	202	PEB	OD-C4D	2.59	1.28	1.23
31	EH	202	PEB	OD-C4D	2.59	1.28	1.23
31	m2	202	PEB	OD-C4D	2.59	1.28	1.23
31	S7	203	PEB	OD-C4D	2.59	1.28	1.23
31	U6	201	PEB	C4A-NA	-2.59	1.31	1.37
31	hD	201	PEB	C2A-C1A	-2.58	1.49	1.52
31	hE	201	PEB	C2A-C1A	-2.58	1.49	1.52
31	eF	202	PEB	C2A-C1A	-2.58	1.49	1.52
31	I5	201	PEB	C4B-C3B	2.58	1.49	1.45
31	a8	202	PEB	C2A-C1A	-2.58	1.49	1.52
31	GH	203	PEB	OD-C4D	2.58	1.28	1.23
31	U5	201	PEB	C2A-C1A	-2.58	1.49	1.52
31	aH	201	PEB	C2A-C1A	-2.58	1.49	1.52
31	KH	201	PEB	C4A-NA	-2.58	1.31	1.37
31	Y7	502	PEB	C4A-NA	-2.58	1.31	1.37
31	K4	203	PEB	OD-C4D	2.58	1.28	1.23
31	P6	202	PEB	OD-C4D	2.58	1.28	1.23
31	J8	201	PEB	OD-C4D	2.58	1.28	1.23
31	c8	203	PEB	OD-C4D	2.58	1.28	1.23
32	xF	301	PUB	OA-C1A	2.58	1.28	1.23
31	EH	201	PEB	C2A-C1A	-2.58	1.49	1.52
31	EH	201	PEB	OD-C4D	2.58	1.28	1.23
31	Z9	302	PEB	OD-C4D	2.58	1.28	1.23
32	yF	303	PUB	OD-C4D	2.58	1.28	1.23
33	BE	1001	CYC	C4B-NB	-2.58	1.32	1.38
31	VB	202	PEB	C2C-C3C	2.58	1.45	1.37
31	JA	202	PEB	C2A-C1A	-2.58	1.49	1.52
31	e1	301	PEB	OD-C4D	2.58	1.28	1.23
31	WG	203	PEB	C2A-C1A	-2.58	1.49	1.52
31	Y7	503	PEB	OD-C4D	2.58	1.28	1.23
31	QF	203	PEB	CHA-C1B	2.58	1.46	1.40
31	E9	201	PEB	OD-C4D	2.58	1.28	1.23
31	OE	202	PEB	C2A-C1A	-2.58	1.49	1.52
31	OD	203	PEB	OD-C4D	2.58	1.28	1.23
31	eB	202	PEB	OD-C4D	2.58	1.28	1.23
31	pF	201	PEB	OD-C4D	2.58	1.28	1.23
31	bA	201	PEB	C2A-C1A	-2.58	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	N6	1002	PEB	OD-C4D	2.58	1.28	1.23
31	C8	201	PEB	OD-C4D	2.58	1.28	1.23
31	DA	203	PEB	OD-C4D	2.58	1.28	1.23
31	qF	201	PEB	OD-C4D	2.58	1.28	1.23
31	lH	201	PEB	OD-C4D	2.58	1.28	1.23
31	D9	202	PEB	OD-C4D	2.57	1.28	1.23
33	K6	1001	CYC	OB-C4B	2.57	1.28	1.23
31	Z9	303	PEB	CHA-C1B	2.57	1.46	1.40
31	H8	202	PEB	OD-C4D	2.57	1.28	1.23
31	K4	201	PEB	OD-C4D	2.57	1.28	1.23
31	W9	201	PEB	C4A-NA	-2.57	1.31	1.37
31	bF	202	PEB	C2A-C1A	-2.57	1.49	1.52
31	rF	202	PEB	C2A-C1A	-2.57	1.49	1.52
31	MH	201	PEB	C4A-NA	-2.57	1.31	1.37
31	AG	201	PEB	OD-C4D	2.57	1.28	1.23
32	yF	303	PUB	OA-C1A	2.57	1.28	1.23
33	j3	1001	CYC	OB-C4B	2.57	1.28	1.23
31	M7	203	PEB	C2A-C1A	-2.57	1.49	1.52
31	gF	201	PEB	C2A-C1A	-2.57	1.49	1.52
31	IA	202	PEB	OD-C4D	2.57	1.28	1.23
31	F9	202	PEB	OD-C4D	2.57	1.28	1.23
31	KK	201	PEB	C2A-C1A	-2.57	1.49	1.52
31	iC	202	PEB	C1B-C2B	2.57	1.51	1.45
33	LC	1003	CYC	C4C-NC	-2.57	1.31	1.37
31	HI	201	PEB	C4B-C3B	2.57	1.49	1.45
31	FK	202	PEB	C4B-C3B	2.57	1.49	1.45
31	A8	202	PEB	C2A-C1A	-2.57	1.49	1.52
32	CI	203	PUB	C3B-C2B	2.57	1.45	1.37
31	Q4	203	PEB	OD-C4D	2.57	1.28	1.23
31	I9	201	PEB	OD-C4D	2.57	1.28	1.23
33	CE	1001	CYC	C1B-C2B	2.57	1.49	1.45
31	C9	201	PEB	C4A-NA	-2.57	1.31	1.37
31	QC	201	PEB	C4B-C3B	2.57	1.49	1.45
31	gH	202	PEB	C2A-C1A	-2.57	1.49	1.52
31	YK	301	PEB	OD-C4D	2.57	1.28	1.23
31	a4	202	PEB	OD-C4D	2.57	1.28	1.23
33	W3	1001	CYC	OB-C4B	2.57	1.28	1.23
31	Y5	202	PEB	C2A-C1A	-2.57	1.49	1.52
31	Z8	202	PEB	C2A-C1A	-2.57	1.49	1.52
31	IF	203	PEB	C4A-NA	-2.57	1.32	1.37
31	W7	201	PEB	OD-C4D	2.57	1.28	1.23
31	V8	202	PEB	OD-C4D	2.57	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	y8	303	PUB	OA-C1A	2.57	1.28	1.23
31	JK	201	PEB	C2A-C1A	-2.57	1.49	1.52
31	iB	202	PEB	C2A-C1A	-2.57	1.49	1.52
32	AH	303	PUB	C3C-C4C	2.57	1.52	1.43
31	M8	203	PEB	OD-C4D	2.57	1.28	1.23
32	N5	201	PUB	OD-C4D	2.57	1.28	1.23
31	EF	201	PEB	OD-C4D	2.57	1.28	1.23
31	ZG	401	PEB	OD-C4D	2.57	1.28	1.23
31	U4	202	PEB	OD-C4D	2.57	1.28	1.23
31	OG	201	PEB	OD-C4D	2.56	1.28	1.23
31	RK	202	PEB	OD-C4D	2.56	1.28	1.23
31	cA	402	PEB	C2A-C1A	-2.56	1.49	1.52
31	NE	201	PEB	OD-C4D	2.56	1.28	1.23
31	QJ	202	PEB	OD-C4D	2.56	1.28	1.23
31	RG	203	PEB	C2C-C3C	2.56	1.45	1.37
31	RB	203	PEB	OD-C4D	2.56	1.28	1.23
32	NJ	201	PUB	OD-C4D	2.56	1.28	1.23
31	gB	203	PEB	C4B-C3B	2.56	1.49	1.45
31	NB	1002	PEB	OD-C4D	2.56	1.28	1.23
31	VD	201	PEB	C2A-C1A	-2.56	1.49	1.52
31	MH	203	PEB	C2A-C1A	-2.56	1.49	1.52
31	V5	203	PEB	C2A-C1A	-2.56	1.49	1.52
31	F7	202	PEB	C2A-C1A	-2.56	1.49	1.52
31	X5	202	PEB	C4B-C3B	2.56	1.49	1.45
32	BH	302	PUB	OD-C4D	2.56	1.28	1.23
32	w8	304	PUB	OA-C1A	2.56	1.28	1.23
31	BA	203	PEB	C4A-NA	-2.56	1.32	1.37
31	K5	202	PEB	OD-C4D	2.56	1.28	1.23
31	M9	303	PEB	OD-C4D	2.56	1.28	1.23
31	P8	201	PEB	OD-C4D	2.56	1.28	1.23
31	V9	201	PEB	OD-C4D	2.56	1.28	1.23
31	XF	201	PEB	OD-C4D	2.56	1.28	1.23
31	DA	203	PEB	C4A-NA	-2.56	1.32	1.37
31	ZH	201	PEB	OD-C4D	2.56	1.28	1.23
31	C9	201	PEB	OD-C4D	2.56	1.28	1.23
31	M8	202	PEB	C4B-C3B	2.56	1.49	1.45
31	MH	203	PEB	OD-C4D	2.56	1.28	1.23
31	L9	201	PEB	C4A-NA	-2.56	1.32	1.37
31	H8	201	PEB	CHA-C1B	2.56	1.46	1.40
31	LG	201	PEB	OD-C4D	2.56	1.28	1.23
32	wF	304	PUB	OA-C1A	2.56	1.28	1.23
31	i2	201	PEB	C2A-C1A	-2.56	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	dH	202	PEB	OD-C4D	2.56	1.28	1.23
31	V5	201	PEB	OD-C4D	2.56	1.28	1.23
31	UC	201	PEB	C2A-C1A	-2.56	1.49	1.52
31	g6	203	PEB	C2A-C1A	-2.56	1.49	1.52
31	hA	301	PEB	C4B-C3B	2.56	1.49	1.45
31	R1	202	PEB	OD-C4D	2.56	1.28	1.23
32	ZI	305	PUB	C3B-C2B	2.56	1.45	1.37
31	UB	201	PEB	C4A-NA	-2.56	1.32	1.37
31	TB	201	PEB	OD-C4D	2.56	1.28	1.23
31	V5	203	PEB	OD-C4D	2.56	1.28	1.23
31	VD	202	PEB	C2A-C1A	-2.56	1.49	1.52
31	cA	401	PEB	C2A-C1A	-2.56	1.49	1.52
31	ZE	201	PEB	C4A-NA	-2.56	1.32	1.37
31	VF	202	PEB	OD-C4D	2.56	1.28	1.23
31	MH	201	PEB	OD-C4D	2.56	1.28	1.23
31	O2	203	PEB	OD-C4D	2.56	1.28	1.23
31	Z9	303	PEB	OD-C4D	2.56	1.28	1.23
31	YI	201	PEB	C2A-C1A	-2.55	1.49	1.52
31	PK	202	PEB	C1A-NA	-2.55	1.34	1.37
31	X1	202	PEB	C2A-C1A	-2.55	1.49	1.52
33	H6	1001	CYC	C1B-C2B	2.55	1.49	1.45
31	a8	202	PEB	OD-C4D	2.55	1.28	1.23
31	KH	203	PEB	CHA-C1B	2.55	1.46	1.40
31	M9	303	PEB	CHA-C1B	2.55	1.46	1.40
31	RB	201	PEB	OD-C4D	2.55	1.28	1.23
31	DD	1002	PEB	OD-C4D	2.55	1.28	1.23
31	ND	201	PEB	OD-C4D	2.55	1.28	1.23
33	d3	1001	CYC	OB-C4B	2.55	1.28	1.23
31	NA	201	PEB	C4A-NA	-2.55	1.32	1.37
33	LC	1003	CYC	C4B-NB	-2.55	1.32	1.38
31	BG	202	PEB	C1A-NA	-2.55	1.34	1.37
31	d4	201	PEB	OD-C4D	2.55	1.28	1.23
33	NB	1001	CYC	C1B-NB	-2.55	1.33	1.37
31	WG	202	PEB	C4D-ND	2.55	1.38	1.35
31	I4	202	PEB	OD-C4D	2.55	1.28	1.23
31	Y9	201	PEB	OD-C4D	2.55	1.28	1.23
31	IH	201	PEB	OD-C4D	2.55	1.28	1.23
31	X1	202	PEB	OD-C4D	2.55	1.28	1.23
31	aH	201	PEB	OD-C4D	2.55	1.28	1.23
31	V6	202	PEB	C2C-C3C	2.55	1.45	1.37
31	hB	201	PEB	OD-C4D	2.55	1.28	1.23
33	LD	1001	CYC	C4C-NC	-2.55	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	U6	201	PEB	CHA-C4A	-2.55	1.31	1.36
31	U7	202	PEB	C2A-C1A	-2.55	1.49	1.52
31	BF	201	PEB	C4D-ND	2.55	1.38	1.35
31	XK	202	PEB	OD-C4D	2.55	1.28	1.23
33	H3	1001	CYC	OB-C4B	2.55	1.28	1.23
31	HK	203	PEB	C2A-C1A	-2.55	1.49	1.52
31	mB	203	PEB	C2A-C1A	-2.55	1.49	1.52
31	SD	201	PEB	OD-C4D	2.55	1.28	1.23
31	PK	202	PEB	OD-C4D	2.55	1.28	1.23
33	h3	1001	CYC	OB-C4B	2.55	1.28	1.23
31	j8	201	PEB	C1A-NA	-2.55	1.34	1.37
32	yF	302	PUB	OA-C1A	2.55	1.28	1.23
31	GG	201	PEB	C4A-NA	-2.55	1.32	1.37
31	VG	203	PEB	C4A-NA	-2.55	1.32	1.37
31	MF	201	PEB	C2A-C1A	-2.55	1.49	1.52
31	W4	203	PEB	OD-C4D	2.55	1.28	1.23
31	Z8	202	PEB	C4B-C3B	2.55	1.49	1.45
31	KE	201	PEB	OD-C4D	2.54	1.28	1.23
31	J1	201	PEB	C2A-C1A	-2.54	1.49	1.52
31	FI	201	PEB	OD-C4D	2.54	1.28	1.23
31	l6	202	PEB	OD-C4D	2.54	1.28	1.23
31	I7	201	PEB	C4A-NA	-2.54	1.32	1.37
31	H2	1002	PEB	OD-C4D	2.54	1.28	1.23
31	uF	201	PEB	C1D-ND	2.54	1.49	1.45
31	B1	201	PEB	C2A-C1A	-2.54	1.49	1.52
31	YI	202	PEB	C4B-C3B	2.54	1.49	1.45
31	CF	201	PEB	C2A-C1A	-2.54	1.49	1.52
31	UJ	202	PEB	C2A-C1A	-2.54	1.49	1.52
33	ED	1001	CYC	C4C-NC	-2.54	1.32	1.37
33	HE	1001	CYC	C4C-NC	-2.54	1.32	1.37
31	Y1	303	PEB	OD-C4D	2.54	1.28	1.23
33	w3	1001	CYC	OB-C4B	2.54	1.28	1.23
31	NA	202	PEB	OD-C4D	2.54	1.28	1.23
31	BK	202	PEB	OD-C4D	2.54	1.28	1.23
31	B1	202	PEB	OD-C4D	2.54	1.28	1.23
31	P1	202	PEB	OD-C4D	2.54	1.28	1.23
31	OE	203	PEB	OD-C4D	2.54	1.28	1.23
31	Y1	302	PEB	OD-C4D	2.54	1.28	1.23
33	HC	1001	CYC	C4C-NC	-2.54	1.32	1.37
31	DF	203	PEB	OD-C4D	2.54	1.28	1.23
31	h4	203	PEB	OD-C4D	2.54	1.28	1.23
31	T6	201	PEB	OD-C4D	2.54	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	FJ	203	PEB	OD-C4D	2.54	1.28	1.23
33	S3	1001	CYC	OB-C4B	2.54	1.28	1.23
31	YH	201	PEB	OD-C4D	2.54	1.28	1.23
31	VJ	203	PEB	OD-C4D	2.54	1.28	1.23
31	GF	201	PEB	CHA-C1B	2.54	1.46	1.40
31	ZA	202	PEB	C2A-C1A	-2.54	1.49	1.52
31	U2	201	PEB	C2A-C1A	-2.54	1.49	1.52
31	fD	202	PEB	C2A-C1A	-2.54	1.49	1.52
31	SE	201	PEB	OD-C4D	2.54	1.28	1.23
32	M9	305	PUB	OD-C4D	2.54	1.28	1.23
31	VJ	201	PEB	OD-C4D	2.54	1.28	1.23
31	K7	201	PEB	OD-C4D	2.54	1.28	1.23
31	OF	201	PEB	C4B-C3B	2.54	1.49	1.45
31	D1	201	PEB	C4B-C3B	2.54	1.49	1.45
31	T1	202	PEB	C4B-NB	-2.54	1.33	1.38
31	S6	201	PEB	OD-C4D	2.54	1.28	1.23
31	a6	201	PEB	OD-C4D	2.54	1.28	1.23
31	G8	203	PEB	C4B-C3B	2.54	1.49	1.45
31	TK	201	PEB	C4A-NA	-2.54	1.32	1.37
31	FH	202	PEB	C4A-NA	-2.54	1.32	1.37
31	OE	203	PEB	C2A-C1A	-2.54	1.49	1.52
31	IH	202	PEB	C4A-NA	-2.54	1.32	1.37
31	KJ	202	PEB	OD-C4D	2.54	1.28	1.23
31	f8	202	PEB	C2A-C1A	-2.54	1.49	1.52
31	Q8	203	PEB	C2C-C3C	2.54	1.45	1.37
31	EJ	202	PEB	OD-C4D	2.54	1.28	1.23
31	NJ	204	PEB	OD-C4D	2.53	1.28	1.23
31	B9	202	PEB	OD-C4D	2.53	1.28	1.23
33	I3	1001	CYC	OB-C4B	2.53	1.28	1.23
33	Q3	1001	CYC	OB-C4B	2.53	1.28	1.23
31	SE	202	PEB	OD-C4D	2.53	1.28	1.23
31	XF	202	PEB	OD-C4D	2.53	1.28	1.23
31	C8	201	PEB	C2A-C1A	-2.53	1.49	1.52
31	dH	202	PEB	C2A-C1A	-2.53	1.49	1.52
31	P9	201	PEB	C4A-NA	-2.53	1.32	1.37
31	aA	201	PEB	C4A-NA	-2.53	1.32	1.37
31	X8	202	PEB	OD-C4D	2.53	1.28	1.23
31	GF	203	PEB	C4B-C3B	2.53	1.49	1.45
31	LK	202	PEB	C1A-NA	-2.53	1.34	1.37
31	NK	202	PEB	C1A-NA	-2.53	1.34	1.37
31	D5	201	PEB	OD-C4D	2.53	1.28	1.23
31	hH	202	PEB	OD-C4D	2.53	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	jH	203	PEB	OD-C4D	2.53	1.28	1.23
33	O3	1001	CYC	OB-C4B	2.53	1.28	1.23
31	WG	202	PEB	C4B-NB	-2.53	1.33	1.38
31	G9	201	PEB	C4A-NA	-2.53	1.32	1.37
31	M9	303	PEB	C4A-NA	-2.53	1.32	1.37
31	l8	201	PEB	C4B-C3B	2.53	1.49	1.45
31	DJ	201	PEB	OD-C4D	2.53	1.28	1.23
31	Q6	201	PEB	C4A-NA	-2.53	1.32	1.37
31	cF	203	PEB	OD-C4D	2.53	1.28	1.23
31	i2	202	PEB	C1B-C2B	2.53	1.51	1.45
31	G8	201	PEB	CHA-C1B	2.53	1.46	1.40
31	Y9	201	PEB	C2A-C1A	-2.53	1.49	1.52
33	BE	1002	CYC	C4C-NC	-2.53	1.32	1.37
31	kF	201	PEB	C1B-C2B	2.53	1.51	1.45
33	y3	1001	CYC	OB-C4B	2.53	1.28	1.23
31	NH	202	PEB	C4A-NA	-2.53	1.32	1.37
31	KA	303	PEB	C2A-C1A	-2.53	1.49	1.52
31	DK	201	PEB	C4B-C3B	2.53	1.49	1.45
33	BD	1002	CYC	C4C-NC	-2.53	1.32	1.37
31	QA	201	PEB	C2A-C1A	-2.53	1.49	1.52
31	CF	201	PEB	OD-C4D	2.53	1.28	1.23
33	73	1002	CYC	OB-C4B	2.53	1.28	1.23
31	T7	202	PEB	C2A-C1A	-2.53	1.49	1.52
31	k8	201	PEB	C1B-C2B	2.52	1.51	1.45
31	Q5	202	PEB	OD-C4D	2.52	1.28	1.23
33	o3	1001	CYC	OB-C4B	2.52	1.28	1.23
33	G6	1001	CYC	OB-C4B	2.52	1.28	1.23
31	I9	201	PEB	C4A-NA	-2.52	1.32	1.37
33	LB	1001	CYC	C4C-NC	-2.52	1.32	1.37
31	iB	203	PEB	C4B-C3B	2.52	1.49	1.45
31	Z9	301	PEB	OD-C4D	2.52	1.28	1.23
31	V1	201	PEB	C4A-NA	-2.52	1.32	1.37
31	M5	201	PEB	OD-C4D	2.52	1.28	1.23
31	k8	203	PEB	C4A-NA	-2.52	1.32	1.37
31	DJ	203	PEB	CHA-C1B	2.52	1.46	1.40
31	WD	202	PEB	C4A-NA	-2.52	1.32	1.37
31	YB	202	PEB	OD-C4D	2.52	1.28	1.23
33	B3	1001	CYC	OB-C4B	2.52	1.28	1.23
33	EB	1001	CYC	C4C-NC	-2.52	1.32	1.37
31	YJ	202	PEB	C2A-C1A	-2.52	1.49	1.52
31	hH	202	PEB	C2A-C1A	-2.52	1.49	1.52
31	K9	201	PEB	C4A-NA	-2.52	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	N9	201	PEB	C4A-NA	-2.52	1.32	1.37
33	f3	1001	CYC	OB-C4B	2.52	1.28	1.23
31	S9	201	PEB	C4A-NA	-2.52	1.32	1.37
31	RF	201	PEB	OD-C4D	2.52	1.28	1.23
31	JK	202	PEB	OD-C4D	2.52	1.28	1.23
31	X8	201	PEB	OD-C4D	2.52	1.28	1.23
31	E5	201	PEB	C2A-C1A	-2.52	1.49	1.52
31	X8	202	PEB	C2A-C1A	-2.52	1.49	1.52
31	XI	202	PEB	C4B-C3B	2.52	1.49	1.45
31	OH	203	PEB	OD-C4D	2.52	1.28	1.23
31	A9	201	PEB	C4A-NA	-2.52	1.32	1.37
31	E9	201	PEB	C4A-NA	-2.52	1.32	1.37
31	WH	203	PEB	OD-C4D	2.52	1.28	1.23
33	NB	1001	CYC	OB-C4B	2.52	1.28	1.23
33	N6	1001	CYC	OB-C4B	2.52	1.28	1.23
31	jC	203	PEB	C4B-C3B	2.52	1.49	1.45
31	GG	201	PEB	CHA-C1B	2.52	1.46	1.40
31	ZH	201	PEB	C4A-NA	-2.52	1.32	1.37
31	VI	202	PEB	C4B-C3B	2.52	1.49	1.45
31	JI	203	PEB	C2A-C1A	-2.52	1.49	1.52
31	HA	201	PEB	OD-C4D	2.52	1.28	1.23
33	k3	1001	CYC	OB-C4B	2.52	1.28	1.23
31	FI	202	PEB	C4B-C3B	2.52	1.49	1.45
31	HJ	202	PEB	C1B-C2B	2.52	1.51	1.45
31	H5	202	PEB	C1B-C2B	2.52	1.51	1.45
31	E7	203	PEB	OD-C4D	2.52	1.28	1.23
31	VE	201	PEB	C2A-C1A	-2.52	1.49	1.52
31	NI	202	PEB	C4B-C3B	2.52	1.49	1.45
31	N5	204	PEB	OD-C4D	2.52	1.28	1.23
33	M3	1001	CYC	OB-C4B	2.52	1.28	1.23
31	OH	201	PEB	OD-C4D	2.52	1.28	1.23
31	X9	201	PEB	C4A-NA	-2.52	1.32	1.37
33	D3	1001	CYC	OB-C4B	2.52	1.28	1.23
33	F3	1001	CYC	OB-C4B	2.52	1.28	1.23
31	SC	201	PEB	C4A-NA	-2.52	1.32	1.37
31	I8	203	PEB	C4A-NA	-2.52	1.32	1.37
31	O9	201	PEB	C4A-NA	-2.52	1.32	1.37
33	C6	1001	CYC	C4C-NC	-2.52	1.32	1.37
31	FK	203	PEB	C2A-C1A	-2.52	1.49	1.52
31	Q4	201	PEB	C2A-C1A	-2.52	1.49	1.52
31	kC	201	PEB	C4B-C3B	2.52	1.49	1.45
31	c2	202	PEB	C1B-C2B	2.51	1.51	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	dA	202	PEB	C2A-C1A	-2.51	1.49	1.52
31	kD	201	PEB	C4A-NA	-2.51	1.32	1.37
33	DD	1001	CYC	C1B-NB	-2.51	1.33	1.37
31	S2	201	PEB	C4A-NA	-2.51	1.32	1.37
33	NC	1001	CYC	C1B-C2B	2.51	1.49	1.45
31	KH	202	PEB	OD-C4D	2.51	1.28	1.23
33	L2	1001	CYC	OB-C4B	2.51	1.28	1.23
33	u3	1001	CYC	OB-C4B	2.51	1.28	1.23
31	U9	201	PEB	C2A-C1A	-2.51	1.49	1.52
31	WI	201	PEB	C4A-NA	-2.51	1.32	1.37
31	UA	302	PEB	C1D-ND	2.51	1.49	1.45
31	KH	203	PEB	OD-C4D	2.51	1.28	1.23
31	WE	201	PEB	C4A-NA	-2.51	1.32	1.37
33	NB	1001	CYC	C4B-NB	-2.51	1.32	1.38
31	SB	201	PEB	C1D-ND	2.51	1.49	1.45
31	GA	201	PEB	C4A-NA	-2.51	1.32	1.37
31	MA	201	PEB	C4A-NA	-2.51	1.32	1.37
31	UJ	201	PEB	C2A-C1A	-2.51	1.49	1.52
31	SB	202	PEB	OD-C4D	2.51	1.28	1.23
31	T9	201	PEB	C4A-NA	-2.51	1.32	1.37
33	I2	201	CYC	C4C-NC	-2.51	1.32	1.37
31	P1	202	PEB	C1A-NA	-2.51	1.34	1.37
31	JF	201	PEB	OD-C4D	2.51	1.28	1.23
31	s8	203	PEB	C4B-NB	-2.51	1.33	1.38
33	n3	1001	CYC	OB-C4B	2.51	1.28	1.23
33	HD	1001	CYC	C1B-NB	-2.51	1.33	1.37
31	TI	202	PEB	C4B-C3B	2.51	1.49	1.45
31	UD	202	PEB	OD-C4D	2.51	1.28	1.23
31	R9	201	PEB	C4A-NA	-2.51	1.32	1.37
31	e1	301	PEB	C2A-C1A	-2.51	1.49	1.52
31	HH	201	PEB	OD-C4D	2.51	1.28	1.23
33	q3	1001	CYC	OB-C4B	2.51	1.28	1.23
33	NB	1001	CYC	C1B-C2B	2.51	1.49	1.45
33	J2	1001	CYC	C4A-C3A	2.51	1.51	1.45
31	VB	201	PEB	OD-C4D	2.51	1.28	1.23
31	T1	203	PEB	OD-C4D	2.51	1.28	1.23
33	73	1001	CYC	OB-C4B	2.51	1.28	1.23
31	UB	201	PEB	CHA-C4A	-2.51	1.31	1.36
31	KH	203	PEB	C4A-NA	-2.51	1.32	1.37
31	H4	201	PEB	OD-C4D	2.51	1.28	1.23
33	U3	1001	CYC	OB-C4B	2.51	1.28	1.23
31	h6	201	PEB	CHA-C4A	-2.51	1.31	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	VE	202	PEB	C2A-C1A	-2.51	1.49	1.52
31	WH	201	PEB	C4A-NA	-2.51	1.32	1.37
33	IE	1001	CYC	C4B-NB	-2.51	1.32	1.38
31	KA	301	PEB	OD-C4D	2.51	1.28	1.23
31	P2	201	PEB	OD-C4D	2.51	1.28	1.23
31	L9	202	PEB	C4B-C3B	2.51	1.49	1.45
31	A5	304	PEB	C2A-C1A	-2.51	1.49	1.52
31	d6	201	PEB	C2A-C1A	-2.51	1.49	1.52
31	hC	201	PEB	C4A-NA	-2.51	1.32	1.37
31	B9	201	PEB	C4A-NA	-2.51	1.32	1.37
31	JI	202	PEB	C2A-C1A	-2.51	1.49	1.52
31	XK	203	PEB	C2A-C1A	-2.51	1.49	1.52
31	RI	202	PEB	C4B-C3B	2.51	1.49	1.45
33	BD	1001	CYC	C4B-NB	-2.50	1.32	1.38
31	JB	1002	PEB	OD-C4D	2.50	1.28	1.23
31	gF	203	PEB	OD-C4D	2.50	1.28	1.23
31	G8	202	PEB	OA-C1A	2.50	1.28	1.23
31	f2	201	PEB	C4B-C3B	2.50	1.49	1.45
31	SA	202	PEB	C4A-NA	-2.50	1.32	1.37
31	PC	201	PEB	OD-C4D	2.50	1.28	1.23
31	QF	203	PEB	C2C-C3C	2.50	1.45	1.37
31	TG	201	PEB	C4B-NB	-2.50	1.33	1.38
31	X5	202	PEB	C2A-C1A	-2.50	1.49	1.52
31	C4	201	PEB	C4A-NA	-2.50	1.32	1.37
31	S7	202	PEB	OD-C4D	2.50	1.28	1.23
32	y8	302	PUB	OA-C1A	2.50	1.28	1.23
31	TA	202	PEB	C2A-C1A	-2.50	1.49	1.52
31	WA	401	PEB	C2A-C1A	-2.50	1.49	1.52
31	U9	203	PEB	C2A-C1A	-2.50	1.49	1.52
31	lF	203	PEB	C2A-C1A	-2.50	1.49	1.52
33	IE	1001	CYC	OB-C4B	2.50	1.28	1.23
31	d6	201	PEB	OD-C4D	2.50	1.28	1.23
31	ZF	202	PEB	C4B-C3B	2.50	1.49	1.45
31	e8	201	PEB	C4B-C3B	2.50	1.49	1.45
31	UE	202	PEB	OD-C4D	2.50	1.28	1.23
33	EC	1001	CYC	C4B-NB	-2.50	1.32	1.38
31	V6	201	PEB	OD-C4D	2.50	1.28	1.23
31	LI	203	PEB	C2A-C1A	-2.50	1.49	1.52
31	X1	203	PEB	C2A-C1A	-2.50	1.49	1.52
31	k6	202	PEB	C4B-C3B	2.50	1.49	1.45
31	O9	202	PEB	OD-C4D	2.50	1.28	1.23
31	T1	201	PEB	C4A-NA	-2.50	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	V9	201	PEB	C4A-NA	-2.50	1.32	1.37
31	EI	202	PEB	C4B-C3B	2.50	1.49	1.45
31	fC	201	PEB	C4B-C3B	2.50	1.49	1.45
31	E5	202	PEB	OD-C4D	2.50	1.28	1.23
33	HB	1001	CYC	OB-C4B	2.50	1.28	1.23
31	N5	202	PEB	C2A-C1A	-2.50	1.49	1.52
31	UH	201	PEB	OD-C4D	2.50	1.28	1.23
31	D5	203	PEB	CHA-C1B	2.50	1.46	1.40
31	q8	203	PEB	C2A-C1A	-2.50	1.49	1.52
31	bF	201	PEB	C2A-C1A	-2.50	1.49	1.52
31	Z9	303	PEB	C4A-NA	-2.49	1.32	1.37
33	MB	1001	CYC	OB-C4B	2.49	1.28	1.23
31	Q9	203	PEB	C2A-C1A	-2.49	1.49	1.52
31	C1	201	PEB	OD-C4D	2.49	1.28	1.23
31	cF	203	PEB	C1B-C2B	2.49	1.51	1.45
31	TK	202	PEB	C2C-C3C	2.49	1.45	1.37
31	aA	202	PEB	C4A-NA	-2.49	1.32	1.37
31	FJ	203	PEB	C4B-C3B	2.49	1.49	1.45
31	HF	201	PEB	C2A-C1A	-2.49	1.49	1.52
31	ID	202	PEB	C2A-C1A	-2.49	1.49	1.52
31	LF	202	PEB	OD-C4D	2.49	1.28	1.23
31	h8	202	PEB	C4B-C3B	2.49	1.49	1.45
31	WB	201	PEB	C4A-NA	-2.49	1.32	1.37
31	jF	201	PEB	C1A-NA	-2.49	1.34	1.37
31	Q7	201	PEB	C4A-NA	-2.49	1.32	1.37
31	CI	202	PEB	C4B-C3B	2.49	1.49	1.45
31	J6	1002	PEB	OD-C4D	2.49	1.28	1.23
31	QB	201	PEB	C4A-NA	-2.49	1.32	1.37
31	F9	201	PEB	C4A-NA	-2.49	1.32	1.37
31	O7	201	PEB	C2A-C1A	-2.49	1.49	1.52
31	SD	202	PEB	OD-C4D	2.49	1.28	1.23
31	HF	201	PEB	C4B-NB	-2.49	1.33	1.38
31	H8	201	PEB	OD-C4D	2.49	1.28	1.23
31	ZI	301	PEB	C4A-NA	-2.49	1.32	1.37
31	t8	203	PEB	C1D-ND	2.49	1.49	1.45
31	W6	201	PEB	C4A-NA	-2.49	1.32	1.37
31	TJ	202	PEB	OD-C4D	2.49	1.28	1.23
31	F5	203	PEB	OD-C4D	2.49	1.28	1.23
31	PB	202	PEB	C2A-C1A	-2.49	1.49	1.52
31	O7	202	PEB	OD-C4D	2.49	1.28	1.23
33	JB	1001	CYC	OB-C4B	2.49	1.28	1.23
33	63	901	CYC	C1B-C2B	2.49	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	EA	501	PEB	C2A-C1A	-2.49	1.49	1.52
31	g6	201	PEB	C2A-C1A	-2.49	1.49	1.52
31	aD	202	PEB	C2A-C1A	-2.49	1.49	1.52
33	N6	1001	CYC	C4B-NB	-2.49	1.32	1.38
31	L8	201	PEB	C4B-C3B	2.49	1.49	1.45
31	GG	201	PEB	C4B-NB	-2.49	1.33	1.38
31	k2	201	PEB	OD-C4D	2.49	1.28	1.23
31	AJ	301	PEB	C2A-C1A	-2.49	1.49	1.52
31	S8	201	PEB	C2A-C1A	-2.49	1.49	1.52
31	WA	402	PEB	OD-C4D	2.49	1.28	1.23
31	sF	203	PEB	C4B-NB	-2.49	1.33	1.38
31	JA	202	PEB	OD-C4D	2.48	1.28	1.23
31	R8	201	PEB	OD-C4D	2.48	1.28	1.23
33	GB	1001	CYC	OB-C4B	2.48	1.28	1.23
31	H6	1002	PEB	OD-C4D	2.48	1.28	1.23
31	lB	202	PEB	OD-C4D	2.48	1.28	1.23
33	L3	1001	CYC	OB-C4B	2.48	1.28	1.23
31	M9	301	PEB	OD-C4D	2.48	1.28	1.23
31	F1	202	PEB	C4B-C3B	2.48	1.49	1.45
31	dB	201	PEB	OD-C4D	2.48	1.28	1.23
31	Q1	201	PEB	C2A-C1A	-2.48	1.49	1.52
31	kB	202	PEB	C4B-C3B	2.48	1.49	1.45
31	MJ	201	PEB	OD-C4D	2.48	1.28	1.23
32	Z9	305	PUB	C4C-NC	2.48	1.39	1.35
31	TB	202	PEB	C2A-C1A	-2.48	1.49	1.52
31	T6	202	PEB	C2A-C1A	-2.48	1.49	1.52
31	HG	201	PEB	OD-C4D	2.48	1.28	1.23
33	EE	1001	CYC	OB-C4B	2.48	1.28	1.23
33	FE	1001	CYC	OB-C4B	2.48	1.28	1.23
33	63	901	CYC	OB-C4B	2.48	1.28	1.23
31	k2	201	PEB	C4B-C3B	2.48	1.49	1.45
31	fA	301	PEB	C4B-C3B	2.48	1.49	1.45
31	GH	203	PEB	C4A-NA	-2.48	1.32	1.37
31	C5	202	PEB	C4A-NA	-2.48	1.32	1.37
31	JI	202	PEB	C4B-C3B	2.48	1.49	1.45
31	Q8	203	PEB	C4B-C3B	2.48	1.49	1.45
31	BA	201	PEB	C4A-NA	-2.48	1.32	1.37
31	LG	202	PEB	C4A-NA	-2.48	1.32	1.37
31	UD	202	PEB	C4A-NA	-2.48	1.32	1.37
31	LH	202	PEB	C4A-NA	-2.48	1.32	1.37
31	r8	201	PEB	C1A-NA	-2.48	1.34	1.37
31	ZB	202	PEB	OD-C4D	2.48	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	NK	203	PEB	OD-C4D	2.48	1.28	1.23
31	M4	202	PEB	OD-C4D	2.48	1.28	1.23
31	MJ	201	PEB	C4A-NA	-2.48	1.32	1.37
31	R1	202	PEB	CHA-C1B	2.48	1.46	1.40
31	bD	202	PEB	C4A-NA	-2.48	1.32	1.37
33	CC	1001	CYC	C2C-C1C	-2.48	1.49	1.52
31	HC	1002	PEB	OD-C4D	2.48	1.28	1.23
31	R2	201	PEB	C4B-C3B	2.48	1.49	1.45
31	F7	201	PEB	C4B-C3B	2.48	1.49	1.45
33	CE	1001	CYC	C4C-NC	-2.48	1.32	1.37
32	BH	302	PUB	OA-C1A	2.48	1.28	1.23
31	IJ	202	PEB	C4A-NA	-2.48	1.32	1.37
31	PI	202	PEB	C4B-C3B	2.48	1.49	1.45
31	R5	201	PEB	C2A-C1A	-2.48	1.49	1.52
31	E7	201	PEB	C4A-NA	-2.48	1.32	1.37
31	VK	201	PEB	C4A-NA	-2.48	1.32	1.37
31	HK	202	PEB	C1A-NA	-2.48	1.34	1.37
31	F9	203	PEB	OD-C4D	2.47	1.28	1.23
31	AA	501	PEB	C2A-C1A	-2.47	1.49	1.52
31	M8	201	PEB	C2A-C1A	-2.47	1.49	1.52
31	u8	201	PEB	C1D-ND	2.47	1.49	1.45
31	kC	201	PEB	OD-C4D	2.47	1.28	1.23
32	M9	305	PUB	C4C-NC	2.47	1.39	1.35
31	PF	202	PEB	C2A-C1A	-2.47	1.49	1.52
31	II	202	PEB	C4B-C3B	2.47	1.49	1.45
31	ZH	202	PEB	C4A-NA	-2.47	1.32	1.37
31	Y9	202	PEB	OD-C4D	2.47	1.28	1.23
31	U4	203	PEB	C2A-C1A	-2.47	1.49	1.52
31	TK	202	PEB	C4B-NB	-2.47	1.33	1.38
31	L8	201	PEB	OD-C4D	2.47	1.28	1.23
31	I4	202	PEB	C4A-NA	-2.47	1.32	1.37
33	N6	1001	CYC	C1B-C2B	2.47	1.49	1.45
31	O8	201	PEB	C4B-C3B	2.47	1.49	1.45
31	Z6	202	PEB	OD-C4D	2.47	1.28	1.23
31	fF	202	PEB	C4B-C3B	2.47	1.49	1.45
33	E6	1001	CYC	OB-C4B	2.47	1.28	1.23
32	NJ	201	PUB	C4C-NC	2.47	1.39	1.35
31	SA	201	PEB	C4A-NA	-2.47	1.32	1.37
31	mH	202	PEB	C4A-NA	-2.47	1.32	1.37
33	N2	1001	CYC	C1B-C2B	2.47	1.49	1.45
31	W9	202	PEB	OD-C4D	2.47	1.28	1.23
33	HE	1001	CYC	C1B-NB	-2.47	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	N6	1001	CYC	C1B-NB	-2.47	1.33	1.37
33	CB	1001	CYC	C4C-NC	-2.47	1.32	1.37
31	TB	203	PEB	C4B-C3B	2.47	1.49	1.45
31	GI	202	PEB	C4B-C3B	2.47	1.49	1.45
33	HD	1001	CYC	C4C-NC	-2.47	1.32	1.37
31	J1	202	PEB	OD-C4D	2.46	1.28	1.23
31	ZE	202	PEB	C4A-NA	-2.46	1.32	1.37
33	EB	1001	CYC	OB-C4B	2.46	1.28	1.23
31	OC	201	PEB	C4B-C3B	2.46	1.49	1.45
33	HB	1001	CYC	C1B-C2B	2.46	1.49	1.45
31	H9	201	PEB	C4B-C3B	2.46	1.49	1.45
31	BI	203	PEB	C2A-C1A	-2.46	1.49	1.52
33	FD	202	CYC	C4C-NC	-2.46	1.32	1.37
31	ZA	203	PEB	C4A-NA	-2.46	1.32	1.37
31	T7	201	PEB	C2A-C1A	-2.46	1.49	1.52
31	J9	203	PEB	C2A-C1A	-2.46	1.49	1.52
33	GB	1001	CYC	C1D-CHD	2.46	1.50	1.41
31	YH	202	PEB	OD-C4D	2.46	1.28	1.23
33	FD	202	CYC	OB-C4B	2.46	1.28	1.23
31	EH	203	PEB	C2A-C1A	-2.46	1.49	1.52
31	M7	202	PEB	C2A-C1A	-2.46	1.49	1.52
31	cC	201	PEB	C2A-C1A	-2.46	1.49	1.52
31	O2	201	PEB	C4B-C3B	2.46	1.49	1.45
31	ZC	203	PEB	C4A-NA	-2.46	1.32	1.37
31	g6	203	PEB	C4B-C3B	2.46	1.49	1.45
31	o8	201	PEB	C4B-C3B	2.46	1.49	1.45
31	lF	202	PEB	C4B-C3B	2.46	1.49	1.45
31	NA	203	PEB	OD-C4D	2.46	1.28	1.23
33	IE	1001	CYC	C4C-NC	-2.46	1.32	1.37
31	TA	202	PEB	OD-C4D	2.46	1.28	1.23
31	FF	202	PEB	OD-C4D	2.46	1.28	1.23
31	DK	203	PEB	C2A-C1A	-2.46	1.49	1.52
31	K1	201	PEB	C2A-C1A	-2.46	1.49	1.52
31	b7	503	PEB	C4A-NA	-2.46	1.32	1.37
31	c2	201	PEB	C2A-C1A	-2.46	1.49	1.52
31	d4	203	PEB	OD-C4D	2.46	1.28	1.23
31	j2	202	PEB	C4B-C3B	2.46	1.49	1.45
33	H6	1001	CYC	OB-C4B	2.46	1.28	1.23
31	g8	202	PEB	C2A-C1A	-2.46	1.49	1.52
31	U8	201	PEB	CMB-C2B	-2.46	1.45	1.50
31	d4	201	PEB	C2A-C1A	-2.46	1.49	1.52
33	G6	1001	CYC	C1D-CHD	2.46	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	DE	1001	CYC	C1B-NB	-2.46	1.33	1.37
31	Y4	202	PEB	OD-C4D	2.46	1.28	1.23
31	qF	202	PEB	C4A-NA	-2.46	1.32	1.37
31	C7	202	PEB	OD-C4D	2.46	1.28	1.23
31	O1	202	PEB	C2A-C1A	-2.45	1.49	1.52
31	CK	201	PEB	OD-C4D	2.45	1.28	1.23
31	KI	202	PEB	C4B-C3B	2.45	1.49	1.45
31	cF	201	PEB	C4B-C3B	2.45	1.49	1.45
31	kF	203	PEB	C4A-NA	-2.45	1.32	1.37
33	M6	1001	CYC	OB-C4B	2.45	1.28	1.23
31	WF	201	PEB	C2A-C1A	-2.45	1.49	1.52
31	QK	201	PEB	C2A-C1A	-2.45	1.49	1.52
31	Z4	202	PEB	C4A-NA	-2.45	1.32	1.37
31	O8	202	PEB	C4A-NA	-2.45	1.32	1.37
31	MI	302	PEB	C4A-NA	-2.45	1.32	1.37
31	K1	201	PEB	C4A-NA	-2.45	1.32	1.37
31	F5	203	PEB	C2C-C3C	2.45	1.44	1.37
31	WK	202	PEB	C2A-C1A	-2.45	1.49	1.52
31	Z9	303	PEB	C2A-C1A	-2.45	1.49	1.52
31	aF	202	PEB	OD-C4D	2.45	1.28	1.23
33	DE	1001	CYC	C4C-NC	-2.45	1.32	1.37
31	OD	203	PEB	C2A-C1A	-2.45	1.49	1.52
31	i6	202	PEB	C2A-C1A	-2.45	1.49	1.52
33	BE	1001	CYC	C1B-NB	-2.45	1.33	1.37
31	T5	201	PEB	C4B-C3B	2.45	1.49	1.45
31	hD	201	PEB	C4B-C3B	2.45	1.49	1.45
33	E6	1001	CYC	C4C-NC	-2.45	1.32	1.37
31	D5	203	PEB	C2A-C1A	-2.45	1.49	1.52
31	lF	203	PEB	C4B-NB	-2.45	1.33	1.38
31	bE	201	PEB	OD-C4D	2.45	1.28	1.23
31	SF	201	PEB	C4A-NA	-2.45	1.32	1.37
31	gA	201	PEB	C2A-C1A	-2.45	1.49	1.52
31	kB	201	PEB	C2A-C1A	-2.45	1.49	1.52
33	DC	1003	CYC	C1B-C2B	2.45	1.49	1.45
31	Z2	203	PEB	C4A-NA	-2.45	1.32	1.37
31	B5	203	PEB	C4A-NA	-2.45	1.32	1.37
31	S6	201	PEB	C4A-NA	-2.45	1.32	1.37
31	Q7	203	PEB	OD-C4D	2.45	1.28	1.23
31	TJ	201	PEB	C4B-C3B	2.45	1.49	1.45
31	d8	202	PEB	C4A-NA	-2.45	1.32	1.37
31	S8	202	PEB	C4A-NA	-2.45	1.32	1.37
31	m2	201	PEB	C2A-C1A	-2.45	1.49	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	HB	1002	PEB	OD-C4D	2.45	1.28	1.23
31	c8	203	PEB	C1B-C2B	2.45	1.51	1.45
31	VB	202	PEB	OD-C4D	2.45	1.28	1.23
31	V6	202	PEB	OD-C4D	2.45	1.28	1.23
31	H9	201	PEB	C4A-NA	-2.45	1.32	1.37
31	bE	201	PEB	C4A-NA	-2.45	1.32	1.37
31	RA	202	PEB	C2A-C1A	-2.45	1.49	1.52
31	BJ	202	PEB	C2A-C1A	-2.45	1.49	1.52
31	qF	203	PEB	C2A-C1A	-2.45	1.49	1.52
31	MG	401	PEB	C3C-C4C	-2.45	1.38	1.42
31	E1	201	PEB	OD-C4D	2.45	1.28	1.23
31	HH	201	PEB	C4A-NA	-2.45	1.32	1.37
31	S6	202	PEB	C1D-ND	2.45	1.49	1.45
31	FH	201	PEB	C4A-NA	-2.45	1.32	1.37
31	ZE	203	PEB	OD-C4D	2.45	1.28	1.23
31	X1	203	PEB	OD-C4D	2.45	1.28	1.23
31	j4	203	PEB	C2A-C1A	-2.44	1.49	1.52
31	F7	201	PEB	C2A-C1A	-2.44	1.49	1.52
31	jC	202	PEB	C4B-C3B	2.44	1.49	1.45
31	AI	202	PEB	C4B-C3B	2.44	1.49	1.45
31	eF	201	PEB	C4B-C3B	2.44	1.49	1.45
31	GH	202	PEB	C2A-C1A	-2.44	1.49	1.52
32	B4	302	PUB	OA-C1A	2.44	1.28	1.23
33	GE	201	CYC	C1B-NB	-2.44	1.33	1.37
33	C2	1001	CYC	C2C-C1C	-2.44	1.49	1.52
31	T1	202	PEB	C2C-C3C	2.44	1.44	1.37
33	L6	1001	CYC	C4C-NC	-2.44	1.32	1.37
31	j2	203	PEB	C4B-C3B	2.44	1.49	1.45
31	I5	201	PEB	OD-C4D	2.44	1.28	1.23
33	LC	1001	CYC	OB-C4B	2.44	1.28	1.23
31	I5	202	PEB	C4A-NA	-2.44	1.32	1.37
33	FD	202	CYC	C1B-C2B	2.44	1.49	1.45
31	TK	203	PEB	OD-C4D	2.44	1.28	1.23
31	M5	201	PEB	C4A-NA	-2.44	1.32	1.37
31	BJ	203	PEB	OD-C4D	2.44	1.28	1.23
31	LH	201	PEB	OD-C4D	2.44	1.28	1.23
33	J6	1001	CYC	OB-C4B	2.44	1.28	1.23
31	R8	202	PEB	C4A-NA	-2.44	1.32	1.37
33	K2	201	CYC	C1D-CHD	2.44	1.50	1.41
31	GF	201	PEB	C4B-C3B	2.44	1.49	1.45
31	S4	203	PEB	C2A-C1A	-2.44	1.49	1.52
31	uF	202	PEB	C1B-C2B	2.44	1.51	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	t8	202	PEB	OD-C4D	2.44	1.28	1.23
31	QA	202	PEB	C4A-NA	-2.44	1.32	1.37
31	Y7	501	PEB	C4A-NA	-2.44	1.32	1.37
31	KF	202	PEB	C4A-NA	-2.44	1.32	1.37
31	M9	302	PEB	C4A-NA	-2.44	1.32	1.37
31	U7	203	PEB	C2A-C1A	-2.44	1.49	1.52
31	cF	203	PEB	C2A-C1A	-2.44	1.49	1.52
31	H7	201	PEB	C4B-C3B	2.44	1.49	1.45
31	S9	201	PEB	OD-C4D	2.44	1.28	1.23
31	OD	202	PEB	C2A-C1A	-2.43	1.49	1.52
31	R7	201	PEB	C2A-C1A	-2.43	1.49	1.52
31	R7	201	PEB	C4B-C3B	2.43	1.49	1.45
31	OF	202	PEB	C4A-NA	-2.43	1.32	1.37
31	NH	201	PEB	C4A-NA	-2.43	1.32	1.37
31	O1	201	PEB	C4B-NB	-2.43	1.33	1.38
31	CA	202	PEB	C4A-NA	-2.43	1.32	1.37
31	FF	202	PEB	C4A-NA	-2.43	1.32	1.37
31	KK	201	PEB	C4A-NA	-2.43	1.32	1.37
31	C4	201	PEB	OD-C4D	2.43	1.28	1.23
31	IJ	202	PEB	CAC-C2C	2.43	1.55	1.52
31	QA	201	PEB	C4A-NA	-2.43	1.32	1.37
31	SA	203	PEB	C4A-NA	-2.43	1.32	1.37
31	v8	202	PEB	C4B-C3B	2.43	1.49	1.45
31	GA	203	PEB	C4A-NA	-2.43	1.32	1.37
31	ZD	203	PEB	OD-C4D	2.43	1.28	1.23
33	BD	1001	CYC	C1B-NB	-2.43	1.33	1.37
31	CF	203	PEB	C2A-C1A	-2.43	1.49	1.52
31	CG	201	PEB	C4A-NA	-2.43	1.32	1.37
33	H2	1001	CYC	C4C-NC	-2.43	1.32	1.37
33	FE	1001	CYC	C1D-CHD	2.43	1.50	1.41
33	ED	1001	CYC	OB-C4B	2.43	1.28	1.23
31	W4	201	PEB	C4A-NA	-2.43	1.32	1.37
31	VG	201	PEB	C4A-NA	-2.43	1.32	1.37
31	RK	202	PEB	CHA-C1B	2.43	1.46	1.40
31	Y2	202	PEB	C1B-C2B	2.43	1.51	1.45
31	BJ	203	PEB	C4A-NA	-2.43	1.32	1.37
31	gD	201	PEB	C2A-C1A	-2.43	1.49	1.52
31	IG	201	PEB	C4A-NA	-2.43	1.32	1.37
33	ID	1001	CYC	C4C-NC	-2.43	1.32	1.37
33	LC	1003	CYC	C1D-CHD	2.43	1.50	1.41
31	FG	201	PEB	C4B-C3B	2.43	1.49	1.45
31	Z9	302	PEB	C4A-NA	-2.43	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	H8	201	PEB	C4B-NB	-2.43	1.33	1.38
31	T5	202	PEB	OD-C4D	2.43	1.28	1.23
31	VG	203	PEB	CHA-C1B	2.43	1.46	1.40
31	D1	203	PEB	C2A-C1A	-2.43	1.49	1.52
31	l8	202	PEB	C4B-C3B	2.43	1.49	1.45
33	EE	1001	CYC	C4C-NC	-2.43	1.32	1.37
31	U4	202	PEB	C4A-NA	-2.43	1.32	1.37
31	j2	203	PEB	C1C-CHB	2.43	1.50	1.41
31	PK	201	PEB	OD-C4D	2.43	1.28	1.23
31	j4	203	PEB	OD-C4D	2.43	1.28	1.23
31	V7	201	PEB	C4A-NA	-2.43	1.32	1.37
31	O7	201	PEB	OD-C4D	2.43	1.28	1.23
31	fC	203	PEB	C4B-C3B	2.42	1.49	1.45
31	LF	201	PEB	OD-C4D	2.42	1.28	1.23
31	F8	202	PEB	OD-C4D	2.42	1.28	1.23
32	Y1	304	PUB	C4C-NC	2.42	1.39	1.35
31	LF	201	PEB	C4B-C3B	2.42	1.49	1.45
31	H5	201	PEB	C2A-C1A	-2.42	1.49	1.52
31	UF	201	PEB	OD-C4D	2.42	1.28	1.23
31	M9	303	PEB	C2A-C1A	-2.42	1.49	1.52
31	jC	203	PEB	C1C-CHB	2.42	1.50	1.41
31	D7	201	PEB	C4A-NA	-2.42	1.32	1.37
31	kB	203	PEB	C3C-C4C	-2.42	1.38	1.42
33	I6	1001	CYC	OB-C4B	2.42	1.28	1.23
31	ZD	202	PEB	C4A-NA	-2.42	1.32	1.37
33	GD	201	CYC	C4C-NC	-2.42	1.32	1.37
31	hD	202	PEB	C2A-C1A	-2.42	1.49	1.52
31	hE	201	PEB	C4B-C3B	2.42	1.49	1.45
31	KG	202	PEB	C4A-NA	-2.42	1.32	1.37
31	M7	201	PEB	C4A-NA	-2.42	1.32	1.37
31	QI	202	PEB	C4B-C3B	2.42	1.49	1.45
33	73	1002	CYC	C1D-CHD	2.42	1.50	1.41
31	BK	202	PEB	C2A-C1A	-2.42	1.49	1.52
31	j6	202	PEB	C2A-C1A	-2.42	1.49	1.52
31	jB	202	PEB	C2A-C1A	-2.42	1.49	1.52
32	y8	302	PUB	OD-C4D	2.42	1.28	1.23
31	i6	203	PEB	C4B-C3B	2.42	1.49	1.45
31	M4	203	PEB	C2A-C1A	-2.42	1.49	1.52
31	WH	202	PEB	C4A-NA	-2.42	1.32	1.37
31	GF	202	PEB	OA-C1A	2.42	1.28	1.23
31	R2	202	PEB	C4B-C3B	2.42	1.49	1.45
31	XH	201	PEB	C4A-NA	-2.42	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	V5	203	PEB	C4B-NB	-2.42	1.33	1.38
31	FK	202	PEB	C2A-C1A	-2.42	1.49	1.52
31	E1	201	PEB	C2A-C1A	-2.42	1.49	1.52
31	PD	202	PEB	C4A-NA	-2.42	1.32	1.37
31	PE	202	PEB	C4A-NA	-2.42	1.32	1.37
31	q8	202	PEB	C4A-NA	-2.42	1.32	1.37
33	HE	1001	CYC	C4B-NB	-2.42	1.32	1.38
33	JC	1001	CYC	C4A-C3A	2.42	1.51	1.45
31	F5	203	PEB	C4B-C3B	2.42	1.49	1.45
31	YG	202	PEB	C4A-NA	-2.42	1.32	1.37
33	HD	1001	CYC	C4B-NB	-2.42	1.32	1.38
31	HJ	201	PEB	C2A-C1A	-2.42	1.49	1.52
31	D9	201	PEB	C2A-C1A	-2.42	1.49	1.52
33	73	1002	CYC	C4B-NB	-2.42	1.32	1.38
33	IE	1001	CYC	C1B-NB	-2.41	1.33	1.37
31	c8	201	PEB	C4B-C3B	2.41	1.49	1.45
31	hH	201	PEB	C2A-C1A	-2.41	1.49	1.52
31	T6	203	PEB	C4B-C3B	2.41	1.49	1.45
32	yF	302	PUB	OD-C4D	2.41	1.28	1.23
31	SB	202	PEB	C4A-NA	-2.41	1.32	1.37
33	BE	1001	CYC	C4C-NC	-2.41	1.32	1.37
31	DJ	203	PEB	C2A-C1A	-2.41	1.49	1.52
31	RC	201	PEB	C4B-C3B	2.41	1.49	1.45
31	Y7	503	PEB	C4A-NA	-2.41	1.32	1.37
33	FD	201	CYC	OB-C4B	2.41	1.28	1.23
33	ID	1001	CYC	OB-C4B	2.41	1.28	1.23
33	GE	201	CYC	OB-C4B	2.41	1.28	1.23
31	BG	202	PEB	CHA-C1B	2.41	1.46	1.40
31	GG	202	PEB	C4A-NA	-2.41	1.32	1.37
33	FD	201	CYC	C1D-CHD	2.41	1.50	1.41
31	TF	202	PEB	C4A-NA	-2.41	1.32	1.37
31	RG	201	PEB	C4A-NA	-2.41	1.32	1.37
31	aE	201	PEB	C4A-NA	-2.41	1.32	1.37
31	QI	202	PEB	C2A-C1A	-2.41	1.49	1.52
31	T8	202	PEB	C4A-NA	-2.41	1.32	1.37
33	DD	1001	CYC	C4C-NC	-2.41	1.32	1.37
31	OA	201	PEB	OD-C4D	2.41	1.28	1.23
33	CE	1001	CYC	OB-C4B	2.41	1.28	1.23
31	SG	201	PEB	OD-C4D	2.41	1.28	1.23
31	aF	203	PEB	C1B-C2B	2.41	1.51	1.45
33	H2	1001	CYC	C4B-NB	-2.41	1.32	1.38
31	KA	302	PEB	C4A-NA	-2.41	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	H5	202	PEB	C4A-NA	-2.41	1.32	1.37
31	AG	201	PEB	C4A-NA	-2.41	1.32	1.37
31	J7	202	PEB	C4A-NA	-2.41	1.32	1.37
31	O7	202	PEB	C4A-NA	-2.41	1.32	1.37
31	P7	201	PEB	C4A-NA	-2.41	1.32	1.37
31	s8	203	PEB	C1C-CHB	2.41	1.50	1.41
33	CE	1001	CYC	C1B-NB	-2.41	1.33	1.37
33	J2	1001	CYC	C1B-C2B	2.41	1.49	1.45
31	A7	201	PEB	OD-C4D	2.41	1.28	1.23
33	E6	1001	CYC	C1B-NB	-2.41	1.33	1.37
31	U5	202	PEB	C2A-C1A	-2.41	1.49	1.52
31	RB	201	PEB	C4A-NA	-2.41	1.32	1.37
31	YE	201	PEB	C4A-NA	-2.41	1.32	1.37
31	I8	203	PEB	C2C-C3C	2.41	1.44	1.37
31	TH	201	PEB	C4A-NA	-2.41	1.32	1.37
31	J9	202	PEB	C2A-C1A	-2.41	1.49	1.52
31	fC	203	PEB	C2A-C1A	-2.41	1.49	1.52
31	KG	201	PEB	C4B-C3B	2.41	1.49	1.45
31	RF	202	PEB	C4A-NA	-2.41	1.32	1.37
31	O1	202	PEB	C4A-NA	-2.41	1.32	1.37
31	K8	202	PEB	OD-C4D	2.41	1.28	1.23
31	hB	201	PEB	CHA-C4A	-2.41	1.32	1.36
31	H5	202	PEB	OD-C4D	2.40	1.28	1.23
32	N5	201	PUB	C4C-NC	2.40	1.39	1.35
31	H1	203	PEB	C2A-C1A	-2.40	1.49	1.52
31	tF	202	PEB	OD-C4D	2.40	1.28	1.23
31	f8	202	PEB	C4A-NA	-2.40	1.32	1.37
31	YB	203	PEB	C4B-C3B	2.40	1.49	1.45
33	KC	201	CYC	C1D-CHD	2.40	1.50	1.41
31	k4	201	PEB	C2A-C1A	-2.40	1.49	1.52
31	EG	201	PEB	C4A-NA	-2.40	1.32	1.37
31	U2	202	PEB	C4A-NA	-2.40	1.32	1.37
31	Y5	201	PEB	C4B-C3B	2.40	1.49	1.45
31	BH	301	PEB	C4A-NA	-2.40	1.32	1.37
33	EE	1001	CYC	C1B-NB	-2.40	1.33	1.37
33	63	901	CYC	C4C-NC	-2.40	1.32	1.37
31	EK	201	PEB	OD-C4D	2.40	1.28	1.23
31	V1	201	PEB	C2A-C1A	-2.40	1.49	1.52
33	CC	1001	CYC	C1B-C2B	2.40	1.49	1.45
31	mC	202	PEB	C4B-C3B	2.40	1.49	1.45
31	mD	203	PEB	C4B-C3B	2.40	1.49	1.45
31	H1	202	PEB	C1A-NA	-2.40	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	U7	201	PEB	C4A-NA	-2.40	1.32	1.37
31	BH	301	PEB	OD-C4D	2.40	1.28	1.23
31	B5	203	PEB	OD-C4D	2.40	1.28	1.23
31	j6	201	PEB	C4A-NA	-2.40	1.32	1.37
31	jB	201	PEB	C4A-NA	-2.40	1.32	1.37
31	UE	202	PEB	C4A-NA	-2.40	1.32	1.37
33	KB	1001	CYC	C4C-NC	-2.40	1.32	1.37
31	W2	203	PEB	C2A-C1A	-2.40	1.49	1.52
31	aE	202	PEB	C2A-C1A	-2.40	1.49	1.52
33	KE	202	CYC	C1B-C2B	2.40	1.49	1.45
31	D5	202	PEB	C4A-NA	-2.40	1.32	1.37
31	F8	202	PEB	C4A-NA	-2.40	1.32	1.37
31	IH	202	PEB	OD-C4D	2.40	1.28	1.23
31	gA	203	PEB	C4A-NA	-2.40	1.32	1.37
31	WK	202	PEB	C1D-ND	2.40	1.49	1.45
31	dA	201	PEB	OD-C4D	2.40	1.28	1.23
31	W4	203	PEB	C4A-NA	-2.40	1.32	1.37
31	RA	201	PEB	C4A-NA	-2.40	1.32	1.37
31	PG	201	PEB	C4A-NA	-2.40	1.32	1.37
31	B7	201	PEB	C4B-C3B	2.40	1.49	1.45
31	YA	201	PEB	C4A-NA	-2.39	1.32	1.37
31	F9	202	PEB	C4A-NA	-2.39	1.32	1.37
31	aC	202	PEB	C2A-C1A	-2.39	1.50	1.52
31	V8	201	PEB	C1A-NA	-2.39	1.34	1.37
31	v8	201	PEB	C4B-C3B	2.39	1.49	1.45
31	HG	201	PEB	C4A-NA	-2.39	1.32	1.37
33	IB	1001	CYC	C4C-NC	-2.39	1.32	1.37
31	OI	203	PEB	C2A-C1A	-2.39	1.50	1.52
31	B1	202	PEB	C2A-C1A	-2.39	1.50	1.52
31	DJ	202	PEB	C4A-NA	-2.39	1.32	1.37
31	GJ	201	PEB	C4B-C3B	2.39	1.49	1.45
31	XI	202	PEB	C2A-C1A	-2.39	1.50	1.52
31	QH	203	PEB	C4A-NA	-2.39	1.32	1.37
31	CH	201	PEB	OD-C4D	2.39	1.28	1.23
31	RE	201	PEB	C4A-NA	-2.39	1.32	1.37
31	YH	201	PEB	C4A-NA	-2.39	1.32	1.37
31	F8	201	PEB	OD-C4D	2.39	1.28	1.23
31	mE	203	PEB	C4B-C3B	2.39	1.49	1.45
31	GD	202	PEB	C4A-NA	-2.39	1.32	1.37
31	NG	201	PEB	C4A-NA	-2.39	1.32	1.37
31	N4	202	PEB	C4A-NA	-2.39	1.32	1.37
31	RK	202	PEB	C2A-C1A	-2.39	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	C7	201	PEB	C2A-C1A	-2.39	1.50	1.52
31	UF	201	PEB	CMB-C2B	-2.39	1.45	1.50
33	CB	1001	CYC	OB-C4B	2.39	1.28	1.23
33	ED	1001	CYC	C1B-NB	-2.39	1.33	1.37
31	IF	202	PEB	C3C-C4C	-2.39	1.38	1.42
33	E2	1001	CYC	C4B-NB	-2.39	1.32	1.38
33	D6	1001	CYC	C4B-NB	-2.39	1.32	1.38
31	R6	202	PEB	C4A-NA	-2.39	1.32	1.37
33	M2	201	CYC	C2C-C1C	-2.39	1.50	1.52
31	JI	201	PEB	C4A-NA	-2.39	1.32	1.37
31	G8	201	PEB	C4B-C3B	2.39	1.49	1.45
31	VD	202	PEB	C4A-NA	-2.39	1.32	1.37
31	GF	201	PEB	C2C-C3C	2.39	1.44	1.37
31	gF	202	PEB	C2A-C1A	-2.39	1.50	1.52
31	iF	202	PEB	C2A-C1A	-2.39	1.50	1.52
31	RC	202	PEB	C4B-C3B	2.39	1.49	1.45
31	C7	201	PEB	OD-C4D	2.39	1.28	1.23
31	UH	201	PEB	C4A-NA	-2.39	1.32	1.37
31	FJ	201	PEB	C4A-NA	-2.39	1.32	1.37
33	O3	1001	CYC	C1D-CHD	2.39	1.50	1.41
31	k6	203	PEB	C3C-C4C	-2.39	1.38	1.42
31	P5	202	PEB	C1B-C2B	2.39	1.51	1.45
31	Y9	201	PEB	C4A-NA	-2.39	1.32	1.37
31	VK	201	PEB	C2A-C1A	-2.39	1.50	1.52
31	fF	202	PEB	C2A-C1A	-2.39	1.50	1.52
31	S8	201	PEB	OD-C4D	2.39	1.28	1.23
31	JG	201	PEB	C4A-NA	-2.38	1.32	1.37
31	OK	202	PEB	C4A-NA	-2.38	1.32	1.37
31	QF	203	PEB	C4B-C3B	2.38	1.49	1.45
33	S3	1001	CYC	C1D-CHD	2.38	1.50	1.41
31	h2	202	PEB	C4A-NA	-2.38	1.32	1.37
31	PJ	202	PEB	C1B-C2B	2.38	1.51	1.45
31	GH	201	PEB	C4A-NA	-2.38	1.32	1.37
31	IJ	201	PEB	OD-C4D	2.38	1.28	1.23
31	S7	201	PEB	C2A-C1A	-2.38	1.50	1.52
31	VB	202	PEB	C4A-NA	-2.38	1.32	1.37
31	jB	202	PEB	C1D-ND	2.38	1.49	1.45
31	RH	201	PEB	C4A-NA	-2.38	1.32	1.37
33	I2	201	CYC	C1D-CHD	2.38	1.50	1.41
31	ZC	202	PEB	C4A-NA	-2.38	1.32	1.37
31	T5	201	PEB	C2A-C1A	-2.38	1.50	1.52
33	L3	1001	CYC	C1D-CHD	2.38	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	KA	301	PEB	C4A-NA	-2.38	1.32	1.37
31	J1	202	PEB	C4B-C3B	2.38	1.49	1.45
31	U4	203	PEB	C4B-C3B	2.38	1.49	1.45
31	xF	302	PEB	C4B-C3B	2.38	1.49	1.45
31	sF	203	PEB	C1C-CHB	2.38	1.50	1.41
31	OH	203	PEB	C4A-NA	-2.38	1.32	1.37
31	M4	201	PEB	C4A-NA	-2.38	1.32	1.37
31	QA	202	PEB	OD-C4D	2.38	1.28	1.23
31	S8	202	PEB	OD-C4D	2.38	1.28	1.23
33	C6	1001	CYC	OB-C4B	2.38	1.28	1.23
31	R1	202	PEB	C1A-NA	-2.38	1.34	1.37
31	IA	202	PEB	C4A-NA	-2.38	1.32	1.37
31	G8	201	PEB	C2C-C3C	2.38	1.44	1.37
31	N7	201	PEB	C4B-C3B	2.38	1.49	1.45
33	IB	1001	CYC	OB-C4B	2.38	1.28	1.23
33	d3	1001	CYC	C1D-CHD	2.38	1.50	1.41
33	o3	1001	CYC	C1D-CHD	2.38	1.50	1.41
33	ID	1001	CYC	C4B-NB	-2.38	1.32	1.38
31	DG	202	PEB	C2A-C1A	-2.38	1.50	1.52
31	ND	201	PEB	C4A-NA	-2.38	1.32	1.37
31	GH	201	PEB	OD-C4D	2.38	1.28	1.23
31	RK	202	PEB	C1A-NA	-2.38	1.34	1.37
31	I5	201	PEB	C4A-NA	-2.38	1.32	1.37
31	N1	202	PEB	C2A-C1A	-2.38	1.50	1.52
31	gA	202	PEB	C2A-C1A	-2.38	1.50	1.52
31	VH	201	PEB	C4A-NA	-2.38	1.32	1.37
33	I3	1001	CYC	C1D-CHD	2.38	1.50	1.41
31	FA	201	PEB	OD-C4D	2.38	1.28	1.23
31	LC	1002	PEB	OD-C4D	2.38	1.28	1.23
31	IG	203	PEB	C4B-C3B	2.38	1.49	1.45
31	YJ	201	PEB	C4B-C3B	2.38	1.49	1.45
31	lF	203	PEB	C4B-C3B	2.38	1.49	1.45
31	TC	201	PEB	C4A-NA	-2.38	1.32	1.37
31	OG	202	PEB	C1D-ND	2.38	1.49	1.45
31	CK	201	PEB	C4A-NA	-2.38	1.32	1.37
31	FJ	203	PEB	C2C-C3C	2.38	1.44	1.37
33	B3	1001	CYC	C1D-CHD	2.38	1.50	1.41
31	Y6	203	PEB	C4B-C3B	2.38	1.49	1.45
31	QE	202	PEB	C4A-NA	-2.38	1.32	1.37
31	dJ	401	PEB	C4A-NA	-2.38	1.32	1.37
33	f3	1001	CYC	C1D-CHD	2.38	1.50	1.41
31	k6	201	PEB	C4B-C3B	2.37	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	kD	202	PEB	C4B-C3B	2.37	1.49	1.45
31	XG	201	PEB	C4A-NA	-2.37	1.32	1.37
31	R4	201	PEB	C4A-NA	-2.37	1.32	1.37
31	AG	203	PEB	C4B-NB	-2.37	1.33	1.38
31	bD	202	PEB	OD-C4D	2.37	1.28	1.23
33	F6	1001	CYC	C1D-CHD	2.37	1.50	1.41
31	KK	202	PEB	C1D-ND	2.37	1.49	1.45
33	H2	1001	CYC	C1B-C2B	2.37	1.49	1.45
31	RJ	201	PEB	C2A-C1A	-2.37	1.50	1.52
31	O2	201	PEB	C2A-C1A	-2.37	1.50	1.52
31	W8	203	PEB	C4B-C3B	2.37	1.49	1.45
31	S9	202	PEB	C4B-C3B	2.37	1.49	1.45
31	UG	201	PEB	C4A-NA	-2.37	1.32	1.37
33	u3	1001	CYC	C1D-CHD	2.37	1.50	1.41
33	HB	1001	CYC	C1B-NB	-2.37	1.33	1.37
31	P1	201	PEB	OD-C4D	2.37	1.28	1.23
31	WC	203	PEB	C4A-NA	-2.37	1.32	1.37
31	TG	202	PEB	C4A-NA	-2.37	1.32	1.37
31	TG	201	PEB	OD-C4D	2.37	1.28	1.23
31	YC	202	PEB	C1B-C2B	2.37	1.50	1.45
31	EK	201	PEB	C1C-CHB	2.37	1.50	1.41
31	E1	201	PEB	C1C-CHB	2.37	1.50	1.41
33	w3	1001	CYC	C1D-CHD	2.37	1.50	1.41
31	f2	203	PEB	C4B-C3B	2.37	1.49	1.45
31	LE	1002	PEB	OD-C4D	2.37	1.28	1.23
31	XK	203	PEB	OD-C4D	2.37	1.28	1.23
33	D2	1003	CYC	C1B-C2B	2.37	1.49	1.45
33	FB	1001	CYC	C4B-NB	-2.37	1.33	1.38
31	BG	202	PEB	C4B-NB	-2.37	1.33	1.38
31	m2	202	PEB	C4B-C3B	2.37	1.49	1.45
33	73	1001	CYC	C1D-CHD	2.37	1.50	1.41
31	FK	203	PEB	C4B-C3B	2.37	1.49	1.45
31	f2	203	PEB	C2A-C1A	-2.37	1.50	1.52
31	B7	201	PEB	C4A-NA	-2.37	1.32	1.37
31	BI	202	PEB	C4B-C3B	2.37	1.49	1.45
33	h3	1001	CYC	C1D-CHD	2.37	1.50	1.41
31	lC	201	PEB	C2A-C1A	-2.37	1.50	1.52
31	fH	203	PEB	C2A-C1A	-2.37	1.50	1.52
31	L2	1002	PEB	OD-C4D	2.37	1.28	1.23
31	F4	201	PEB	C4A-NA	-2.37	1.32	1.37
31	aD	201	PEB	C4A-NA	-2.37	1.32	1.37
33	BD	1001	CYC	C4C-NC	-2.37	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	F1	203	PEB	C4B-C3B	2.37	1.49	1.45
31	aH	204	PEB	OD-C4D	2.37	1.28	1.23
31	cE	202	PEB	C4A-NA	-2.37	1.32	1.37
31	J1	203	PEB	C2A-C1A	-2.37	1.50	1.52
31	W7	202	PEB	OD-C4D	2.37	1.28	1.23
33	DB	1001	CYC	C4B-NB	-2.37	1.33	1.38
31	ZG	401	PEB	CAA-C3A	-2.37	1.49	1.54
33	FB	1001	CYC	C1D-CHD	2.37	1.50	1.41
31	SF	201	PEB	C2A-C1A	-2.37	1.50	1.52
31	XF	202	PEB	C2A-C1A	-2.37	1.50	1.52
31	IG	203	PEB	C2A-C1A	-2.37	1.50	1.52
31	HJ	202	PEB	C4A-NA	-2.37	1.32	1.37
31	lB	201	PEB	C4A-NA	-2.37	1.32	1.37
31	VD	201	PEB	C4B-C3B	2.37	1.49	1.45
33	GD	201	CYC	C1B-NB	-2.37	1.33	1.37
33	F3	1001	CYC	C1D-CHD	2.37	1.50	1.41
31	YG	201	PEB	C4A-NA	-2.37	1.32	1.37
31	hB	201	PEB	C4A-NA	-2.37	1.32	1.37
31	E7	203	PEB	C2A-C1A	-2.36	1.50	1.52
33	C6	1001	CYC	C1B-NB	-2.36	1.33	1.37
31	fC	203	PEB	C1C-CHB	2.36	1.50	1.41
31	R6	201	PEB	C4A-NA	-2.36	1.32	1.37
33	K6	1001	CYC	C4C-NC	-2.36	1.32	1.37
33	Q3	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	Z8	201	PEB	C2A-C1A	-2.36	1.50	1.52
33	M3	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	KF	203	PEB	C4A-NA	-2.36	1.32	1.37
33	D3	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	H9	201	PEB	C1C-CHB	2.36	1.50	1.41
31	b2	201	PEB	C1D-ND	2.36	1.49	1.45
31	b2	203	PEB	C2A-C1A	-2.36	1.50	1.52
31	l8	203	PEB	C4B-C3B	2.36	1.49	1.45
33	GD	201	CYC	OB-C4B	2.36	1.28	1.23
31	L1	202	PEB	C1A-NA	-2.36	1.34	1.37
31	hC	202	PEB	C3C-C4C	-2.36	1.38	1.42
31	X1	201	PEB	OD-C4D	2.36	1.28	1.23
33	HB	1001	CYC	C1D-CHD	2.36	1.50	1.41
33	H6	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	N7	201	PEB	C2A-C1A	-2.36	1.50	1.52
31	h2	203	PEB	C3C-C4C	-2.36	1.38	1.42
33	C2	1001	CYC	C1D-CHD	2.36	1.50	1.41
33	H3	1001	CYC	C1D-CHD	2.36	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	U3	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	Q6	202	PEB	C3C-C4C	-2.36	1.38	1.42
31	VK	202	PEB	C1A-NA	-2.36	1.34	1.37
33	M2	201	CYC	C1B-C2B	2.36	1.49	1.45
31	H7	201	PEB	C4A-NA	-2.36	1.32	1.37
33	k3	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	H8	201	PEB	C2A-C1A	-2.36	1.50	1.52
31	U8	201	PEB	OD-C4D	2.36	1.28	1.23
31	HE	1002	PEB	OD-C4D	2.36	1.28	1.23
31	MA	202	PEB	C1B-C2B	2.36	1.50	1.45
33	j3	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	IG	203	PEB	C4A-NA	-2.36	1.32	1.37
31	XK	201	PEB	OD-C4D	2.36	1.28	1.23
31	OG	201	PEB	C2A-C1A	-2.36	1.50	1.52
31	N7	201	PEB	C4A-NA	-2.36	1.32	1.37
32	YK	304	PUB	C4C-NC	2.36	1.39	1.35
31	Z2	202	PEB	C4A-NA	-2.36	1.32	1.37
33	n3	1001	CYC	C1D-CHD	2.36	1.50	1.41
31	S4	202	PEB	C2A-C1A	-2.36	1.50	1.52
32	AC	303	PUB	C4B-CHB	2.36	1.50	1.41
31	JK	202	PEB	C4B-C3B	2.36	1.49	1.45
31	hF	202	PEB	C4B-C3B	2.36	1.49	1.45
31	KF	202	PEB	OD-C4D	2.36	1.28	1.23
31	KH	201	PEB	OD-C4D	2.36	1.28	1.23
33	HB	1001	CYC	C4C-NC	-2.36	1.32	1.37
31	gE	201	PEB	C2A-C1A	-2.36	1.50	1.52
32	A4	303	PUB	C3C-C4C	2.36	1.51	1.43
31	JA	202	PEB	C4A-NA	-2.36	1.32	1.37
31	qF	203	PEB	C1D-ND	2.36	1.49	1.45
31	V2	203	PEB	C4B-C3B	2.36	1.49	1.45
31	O2	203	PEB	C4A-NA	-2.36	1.32	1.37
31	K8	203	PEB	C4A-NA	-2.36	1.32	1.37
33	J2	1001	CYC	C4C-NC	-2.36	1.32	1.37
31	i4	201	PEB	C2A-C1A	-2.36	1.50	1.52
31	bD	201	PEB	C2A-C1A	-2.36	1.50	1.52
31	IA	203	PEB	C4A-NA	-2.36	1.32	1.37
31	B9	203	PEB	C4A-NA	-2.36	1.32	1.37
31	G5	201	PEB	C4B-C3B	2.35	1.49	1.45
33	LC	1001	CYC	CBA-CGA	2.35	1.56	1.50
31	fB	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	hE	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	UC	202	PEB	C4A-NA	-2.35	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	eA	201	PEB	C4A-NA	-2.35	1.32	1.37
33	x3	1001	CYC	C1D-CHD	2.35	1.50	1.41
31	KG	201	PEB	C4B-NB	-2.35	1.33	1.38
33	HC	1001	CYC	C4B-NB	-2.35	1.33	1.38
31	RG	203	PEB	CHA-C1B	2.35	1.45	1.40
31	JH	201	PEB	C4A-NA	-2.35	1.32	1.37
31	LH	201	PEB	C4A-NA	-2.35	1.32	1.37
31	R1	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	jC	202	PEB	C1D-ND	2.35	1.49	1.45
31	a8	203	PEB	C1B-C2B	2.35	1.50	1.45
31	JJ	201	PEB	C1D-ND	2.35	1.49	1.45
31	J5	201	PEB	C1D-ND	2.35	1.49	1.45
31	e2	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	A7	203	PEB	OD-C4D	2.35	1.28	1.23
33	KE	202	CYC	C1B-NB	-2.35	1.33	1.37
31	LD	1002	PEB	OD-C4D	2.35	1.28	1.23
31	t8	202	PEB	C4B-C3B	2.35	1.49	1.45
31	e8	202	PEB	C4A-NA	-2.35	1.32	1.37
31	R7	202	PEB	C2A-C1A	-2.35	1.50	1.52
33	DB	1001	CYC	C4C-NC	-2.35	1.32	1.37
33	NC	1001	CYC	C4C-NC	-2.35	1.32	1.37
31	lB	202	PEB	C1D-ND	2.35	1.49	1.45
31	Y4	201	PEB	C4A-NA	-2.35	1.32	1.37
31	V6	202	PEB	C4A-NA	-2.35	1.32	1.37
31	OC	201	PEB	C1C-CHB	2.35	1.50	1.41
31	d5	401	PEB	C4A-NA	-2.35	1.32	1.37
31	c6	203	PEB	C4B-C3B	2.35	1.49	1.45
31	uF	202	PEB	C1D-ND	2.35	1.49	1.45
31	NK	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	Q5	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	JH	202	PEB	C4A-NA	-2.35	1.32	1.37
31	OH	201	PEB	C4A-NA	-2.35	1.32	1.37
33	LC	1001	CYC	C4A-C3A	2.35	1.50	1.45
31	j4	203	PEB	C4B-C3B	2.35	1.49	1.45
31	ZI	304	PEB	C1D-ND	2.35	1.49	1.45
31	WD	203	PEB	C4A-NA	-2.35	1.32	1.37
31	WE	203	PEB	C4A-NA	-2.35	1.32	1.37
31	PJ	202	PEB	C4A-NA	-2.35	1.32	1.37
31	KE	201	PEB	C4A-NA	-2.35	1.32	1.37
33	F6	1001	CYC	C4B-NB	-2.35	1.33	1.38
33	V3	1001	CYC	C1D-CHD	2.35	1.50	1.41
31	eF	202	PEB	C4A-NA	-2.35	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	IK	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	l2	203	PEB	C2A-C1A	-2.35	1.50	1.52
31	RK	202	PEB	C4B-C3B	2.35	1.49	1.45
33	DD	1001	CYC	OB-C4B	2.35	1.28	1.23
33	DE	1001	CYC	OB-C4B	2.35	1.28	1.23
31	cF	203	PEB	C4A-NA	-2.35	1.32	1.37
33	N6	1001	CYC	C4C-NC	-2.35	1.32	1.37
31	OG	202	PEB	CHA-C1B	2.35	1.45	1.40
31	K1	202	PEB	C1D-ND	2.35	1.49	1.45
31	GI	202	PEB	C2A-C1A	-2.35	1.50	1.52
31	BK	201	PEB	C2A-C1A	-2.35	1.50	1.52
31	j4	201	PEB	C2A-C1A	-2.35	1.50	1.52
31	C7	203	PEB	C2A-C1A	-2.35	1.50	1.52
31	b8	201	PEB	C2A-C1A	-2.35	1.50	1.52
31	HF	201	PEB	OD-C4D	2.35	1.28	1.23
31	l8	203	PEB	C4B-NB	-2.35	1.33	1.38
33	EB	1001	CYC	C1B-NB	-2.35	1.33	1.37
31	WI	202	PEB	C1C-CHB	2.35	1.50	1.41
31	OA	201	PEB	C4A-NA	-2.35	1.32	1.37
31	VE	202	PEB	C4A-NA	-2.35	1.32	1.37
31	W2	203	PEB	C4A-NA	-2.35	1.32	1.37
31	R1	203	PEB	C4A-NA	-2.34	1.32	1.37
31	U1	201	PEB	C4B-NB	-2.34	1.33	1.38
31	o8	203	PEB	C1D-ND	2.34	1.49	1.45
31	H4	202	PEB	C4A-NA	-2.34	1.32	1.37
33	D6	1001	CYC	C1D-CHD	2.34	1.50	1.41
31	f8	202	PEB	C4B-C3B	2.34	1.49	1.45
31	TG	201	PEB	C1D-ND	2.34	1.49	1.45
31	AK	201	PEB	C4A-NA	-2.34	1.32	1.37
31	eK	301	PEB	C3C-C4C	-2.34	1.38	1.42
31	uF	201	PEB	C4B-C3B	2.34	1.49	1.45
31	g8	203	PEB	C4A-NA	-2.34	1.32	1.37
33	GE	201	CYC	C4C-NC	-2.34	1.32	1.37
31	WG	202	PEB	C4A-NA	-2.34	1.32	1.37
31	FG	201	PEB	OD-C4D	2.34	1.28	1.23
31	NA	202	PEB	C4A-NA	-2.34	1.32	1.37
31	DG	201	PEB	C3C-C4C	-2.34	1.38	1.42
31	IG	203	PEB	CHA-C1B	2.34	1.45	1.40
31	P5	203	PEB	C4A-NA	-2.34	1.32	1.37
31	TG	201	PEB	C2C-C3C	2.34	1.44	1.37
31	HA	202	PEB	C4A-NA	-2.34	1.32	1.37
33	q3	1001	CYC	C1D-CHD	2.34	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	IA	201	PEB	C4A-NA	-2.34	1.32	1.37
31	CJ	202	PEB	C4A-NA	-2.34	1.32	1.37
31	U9	201	PEB	C1C-CHB	2.34	1.50	1.41
31	dD	203	PEB	C2A-C1A	-2.34	1.50	1.52
31	eD	201	PEB	C4A-NA	-2.34	1.32	1.37
31	W4	201	PEB	OD-C4D	2.34	1.28	1.23
31	C4	203	PEB	C4A-NA	-2.34	1.32	1.37
31	L5	201	PEB	C4B-C3B	2.34	1.49	1.45
33	DC	1001	CYC	C1D-CHD	2.34	1.50	1.41
31	KK	202	PEB	C2A-C1A	-2.34	1.50	1.52
31	SK	202	PEB	C2A-C1A	-2.34	1.50	1.52
33	FD	202	CYC	C1B-NB	-2.34	1.33	1.37
31	w8	302	PEB	C4A-NA	-2.34	1.32	1.37
31	EH	201	PEB	C4A-NA	-2.34	1.32	1.37
33	H6	1001	CYC	C4C-NC	-2.34	1.32	1.37
31	XA	201	PEB	C4A-NA	-2.34	1.32	1.37
31	K8	202	PEB	C4A-NA	-2.34	1.32	1.37
31	Q2	202	PEB	C1B-C2B	2.34	1.50	1.45
31	AK	202	PEB	C1D-ND	2.34	1.49	1.45
31	RB	202	PEB	C4A-NA	-2.34	1.32	1.37
31	R7	201	PEB	C4A-NA	-2.34	1.32	1.37
31	I1	202	PEB	C2A-C1A	-2.34	1.50	1.52
31	l6	202	PEB	C2A-C1A	-2.34	1.50	1.52
31	cF	202	PEB	C3C-C4C	-2.34	1.38	1.42
31	HJ	202	PEB	OD-C4D	2.34	1.28	1.23
31	c4	201	PEB	C2A-C1A	-2.34	1.50	1.52
31	R5	202	PEB	C2A-C1A	-2.34	1.50	1.52
31	M8	203	PEB	C2A-C1A	-2.34	1.50	1.52
33	D2	1001	CYC	C1B-C2B	2.34	1.49	1.45
31	B4	301	PEB	C4A-NA	-2.33	1.32	1.37
33	H6	1001	CYC	C1B-NB	-2.33	1.33	1.37
31	UG	201	PEB	C4B-C3B	2.33	1.49	1.45
31	X8	201	PEB	C4B-C3B	2.33	1.49	1.45
31	RJ	202	PEB	C2A-C1A	-2.33	1.50	1.52
31	HI	201	PEB	C4A-NA	-2.33	1.32	1.37
31	L5	201	PEB	C1C-CHB	2.33	1.50	1.41
31	lF	203	PEB	C1C-CHB	2.33	1.50	1.41
31	NE	201	PEB	C4A-NA	-2.33	1.32	1.37
31	iF	201	PEB	C4A-NA	-2.33	1.32	1.37
31	I7	202	PEB	C2A-C1A	-2.33	1.50	1.52
31	S9	203	PEB	C4A-NA	-2.33	1.32	1.37
31	cB	203	PEB	C4B-C3B	2.33	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	e4	201	PEB	C4A-NA	-2.33	1.32	1.37
31	II	202	PEB	C2A-C1A	-2.33	1.50	1.52
31	Q7	202	PEB	C2A-C1A	-2.33	1.50	1.52
31	DI	201	PEB	C4B-C3B	2.33	1.49	1.45
31	S7	202	PEB	C4A-NA	-2.33	1.32	1.37
31	L8	202	PEB	C4A-NA	-2.33	1.32	1.37
31	T2	201	PEB	C4A-NA	-2.33	1.32	1.37
31	K4	203	PEB	C4A-NA	-2.33	1.32	1.37
31	gF	203	PEB	C4A-NA	-2.33	1.32	1.37
31	MI	305	PEB	C1D-ND	2.33	1.49	1.45
31	c8	203	PEB	C4A-NA	-2.33	1.32	1.37
31	J7	201	PEB	C4A-NA	-2.33	1.32	1.37
31	l6	202	PEB	C1D-ND	2.33	1.49	1.45
31	SC	202	PEB	C2A-C1A	-2.33	1.50	1.52
31	I5	202	PEB	CAC-C2C	2.33	1.55	1.52
31	HD	1002	PEB	OD-C4D	2.33	1.28	1.23
31	UA	301	PEB	C4A-NA	-2.33	1.32	1.37
31	P5	202	PEB	C4A-NA	-2.33	1.32	1.37
31	d2	202	PEB	C1C-CHB	2.33	1.50	1.41
31	j6	202	PEB	C1D-ND	2.33	1.49	1.45
31	NA	203	PEB	O1B-CGB	2.33	1.29	1.22
31	NA	203	PEB	C4A-NA	-2.33	1.32	1.37
31	CH	203	PEB	C4A-NA	-2.33	1.32	1.37
31	MF	203	PEB	C2A-C1A	-2.33	1.50	1.52
31	JK	203	PEB	C2A-C1A	-2.33	1.50	1.52
31	HG	203	PEB	C4B-C3B	2.33	1.49	1.45
31	F5	201	PEB	C4A-NA	-2.33	1.32	1.37
31	P8	202	PEB	C4A-NA	-2.33	1.32	1.37
33	JC	1001	CYC	C1B-C2B	2.33	1.49	1.45
33	ME	1001	CYC	C4B-NB	-2.33	1.33	1.38
31	W4	202	PEB	C4A-NA	-2.33	1.32	1.37
31	fF	202	PEB	C4A-NA	-2.33	1.32	1.37
31	VG	203	PEB	C2A-C1A	-2.33	1.50	1.52
31	Q2	203	PEB	C2A-C1A	-2.33	1.50	1.52
31	WJ	201	PEB	C4A-NA	-2.33	1.32	1.37
31	VH	202	PEB	C4A-NA	-2.32	1.32	1.37
31	EJ	201	PEB	C4A-NA	-2.32	1.32	1.37
31	A6	305	PEB	C2A-C1A	-2.32	1.50	1.52
31	i6	203	PEB	C2A-C1A	-2.32	1.50	1.52
31	g8	201	PEB	C1B-C2B	2.32	1.50	1.45
31	DH	201	PEB	C4A-NA	-2.32	1.32	1.37
31	IJ	201	PEB	C4A-NA	-2.32	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	PK	201	PEB	C4A-NA	-2.32	1.32	1.37
31	aH	204	PEB	C4A-NA	-2.32	1.32	1.37
31	Z8	201	PEB	C4B-C3B	2.32	1.49	1.45
31	T4	201	PEB	C4A-NA	-2.32	1.32	1.37
31	OF	201	PEB	OD-C4D	2.32	1.28	1.23
31	LJ	202	PEB	C1B-C2B	2.32	1.50	1.45
31	WF	203	PEB	C4B-C3B	2.32	1.49	1.45
31	ZA	203	PEB	C2A-C1A	-2.32	1.50	1.52
31	KI	202	PEB	C2A-C1A	-2.32	1.50	1.52
31	AK	201	PEB	C2A-C1A	-2.32	1.50	1.52
31	WI	201	PEB	OD-C4D	2.32	1.28	1.23
31	AB	305	PEB	C2A-C1A	-2.32	1.50	1.52
31	BI	201	PEB	C2A-C1A	-2.32	1.50	1.52
31	c8	203	PEB	C2A-C1A	-2.32	1.50	1.52
31	dD	204	PEB	C2A-C1A	-2.32	1.50	1.52
31	F2	1002	PEB	C4A-NA	-2.32	1.32	1.37
31	IF	203	PEB	C2C-C3C	2.32	1.44	1.37
33	N2	1001	CYC	C1B-NB	-2.32	1.33	1.37
31	MK	201	PEB	C4A-NA	-2.32	1.32	1.37
31	cH	201	PEB	C2A-C1A	-2.32	1.50	1.52
31	q8	203	PEB	C1D-ND	2.32	1.49	1.45
31	D5	202	PEB	C1B-C2B	2.32	1.50	1.45
33	L2	1001	CYC	C4C-NC	-2.32	1.32	1.37
31	O4	202	PEB	C4B-C3B	2.32	1.49	1.45
31	m6	203	PEB	C2A-C1A	-2.32	1.50	1.52
31	DH	202	PEB	C4A-NA	-2.32	1.32	1.37
31	h6	201	PEB	C4A-NA	-2.32	1.32	1.37
31	VJ	203	PEB	C4B-NB	-2.32	1.33	1.38
31	U9	201	PEB	C1D-ND	2.32	1.49	1.45
31	DI	202	PEB	C4B-C3B	2.32	1.49	1.45
31	UG	201	PEB	OD-C4D	2.32	1.28	1.23
31	WC	203	PEB	C2A-C1A	-2.32	1.50	1.52
31	IH	203	PEB	C2A-C1A	-2.32	1.50	1.52
31	L5	203	PEB	C2A-C1A	-2.32	1.50	1.52
31	NK	203	PEB	C4A-NA	-2.32	1.32	1.37
31	J8	201	PEB	C4B-C3B	2.32	1.49	1.45
31	OD	201	PEB	C4A-NA	-2.32	1.32	1.37
31	sF	203	PEB	C4A-NA	-2.32	1.32	1.37
31	d4	202	PEB	C2A-C1A	-2.32	1.50	1.52
31	QC	202	PEB	C1B-C2B	2.32	1.50	1.45
33	EB	1001	CYC	C4B-NB	-2.32	1.33	1.38
31	NJ	204	PEB	C1C-CHB	2.32	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	YD	201	PEB	C4A-NA	-2.32	1.32	1.37
31	B1	202	PEB	C1C-CHB	2.32	1.50	1.41
33	CC	1001	CYC	C1D-CHD	2.32	1.50	1.41
31	UK	202	PEB	C4A-NA	-2.31	1.32	1.37
32	A2	303	PUB	C4B-CHB	2.31	1.50	1.41
31	mC	201	PEB	C1B-C2B	2.31	1.50	1.45
31	TG	201	PEB	CHA-C1B	2.31	1.45	1.40
33	KB	1001	CYC	C1B-NB	-2.31	1.33	1.37
31	QB	202	PEB	C3C-C4C	-2.31	1.38	1.42
31	E7	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	CK	202	PEB	C3C-C4C	-2.31	1.38	1.42
31	K7	202	PEB	OD-C4D	2.31	1.28	1.23
31	f2	203	PEB	C1C-CHB	2.31	1.50	1.41
31	C1	201	PEB	C4A-NA	-2.31	1.32	1.37
31	W2	203	PEB	C1C-CHB	2.31	1.50	1.41
31	PI	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	RG	203	PEB	C4A-NA	-2.31	1.32	1.37
31	F4	202	PEB	C4A-NA	-2.31	1.32	1.37
31	l8	203	PEB	C1D-ND	2.31	1.49	1.45
31	J9	203	PEB	C4A-NA	-2.31	1.32	1.37
33	N2	1001	CYC	C1D-CHD	2.31	1.50	1.41
33	L2	1001	CYC	CBA-CGA	2.31	1.56	1.50
31	OB	201	PEB	C4A-NA	-2.31	1.32	1.37
31	J6	1002	PEB	C4A-NA	-2.31	1.32	1.37
31	X7	201	PEB	C4A-NA	-2.31	1.32	1.37
31	eB	202	PEB	C4A-NA	-2.31	1.32	1.37
33	JC	1001	CYC	C4C-NC	-2.31	1.32	1.37
31	l2	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	O6	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	C8	203	PEB	C2A-C1A	-2.31	1.50	1.52
31	eC	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	hH	203	PEB	C4B-C3B	2.31	1.49	1.45
31	PJ	203	PEB	C4A-NA	-2.31	1.32	1.37
31	J5	202	PEB	C1D-ND	2.31	1.49	1.45
31	TA	202	PEB	C4A-NA	-2.31	1.32	1.37
31	UF	202	PEB	C4A-NA	-2.31	1.32	1.37
31	b7	502	PEB	C4A-NA	-2.31	1.32	1.37
33	FD	201	CYC	C4C-NC	-2.31	1.32	1.37
33	DB	1001	CYC	C1D-CHD	2.31	1.50	1.41
31	E4	202	PEB	C4A-NA	-2.31	1.32	1.37
33	ED	1001	CYC	C1D-CHD	2.31	1.50	1.41
31	L5	202	PEB	C1B-C2B	2.31	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	T7	201	PEB	C4A-NA	-2.31	1.32	1.37
31	EI	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	AG	203	PEB	C4D-ND	2.31	1.38	1.35
33	HC	1001	CYC	C1B-C2B	2.31	1.49	1.45
31	RC	201	PEB	C4A-NA	-2.31	1.32	1.37
31	OD	202	PEB	C4A-NA	-2.31	1.32	1.37
31	TD	201	PEB	C4A-NA	-2.31	1.32	1.37
31	bA	201	PEB	C4A-NA	-2.31	1.32	1.37
31	HG	203	PEB	C2C-C3C	2.31	1.44	1.37
31	jF	202	PEB	C4A-NA	-2.31	1.32	1.37
31	gC	202	PEB	C1A-NA	-2.31	1.34	1.37
31	EK	201	PEB	C2A-C1A	-2.31	1.50	1.52
31	h4	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	lB	202	PEB	C2A-C1A	-2.31	1.50	1.52
31	M1	201	PEB	C4A-NA	-2.31	1.32	1.37
31	a2	202	PEB	C1B-C2B	2.31	1.50	1.45
31	JE	201	PEB	C4A-NA	-2.31	1.32	1.37
31	W5	201	PEB	C4A-NA	-2.31	1.32	1.37
31	R5	201	PEB	C1C-CHB	2.31	1.50	1.41
31	SF	202	PEB	C4A-NA	-2.30	1.32	1.37
31	W9	202	PEB	C4A-NA	-2.30	1.32	1.37
31	C1	202	PEB	C3C-C4C	-2.30	1.38	1.42
31	kE	201	PEB	C3C-C4C	-2.30	1.38	1.42
31	LJ	201	PEB	C4B-C3B	2.30	1.49	1.45
31	L8	202	PEB	C4B-C3B	2.30	1.49	1.45
31	C9	202	PEB	C4A-NA	-2.30	1.32	1.37
31	jC	201	PEB	C4A-NA	-2.30	1.32	1.37
31	Q2	201	PEB	C1C-CHB	2.30	1.50	1.41
31	OE	201	PEB	C4A-NA	-2.30	1.32	1.37
31	S1	201	PEB	C4B-NB	-2.30	1.33	1.38
31	dC	202	PEB	C1C-CHB	2.30	1.50	1.41
31	W1	202	PEB	C1D-ND	2.30	1.49	1.45
31	j2	203	PEB	C2A-C1A	-2.30	1.50	1.52
31	KF	201	PEB	C4A-NA	-2.30	1.32	1.37
33	EC	1001	CYC	C1B-C2B	2.30	1.49	1.45
31	LJ	201	PEB	C1C-CHB	2.30	1.50	1.41
31	EA	501	PEB	C4A-NA	-2.30	1.32	1.37
31	a6	201	PEB	C4A-NA	-2.30	1.32	1.37
31	Y7	504	PEB	C4A-NA	-2.30	1.32	1.37
33	DC	1001	CYC	C1B-C2B	2.30	1.49	1.45
31	Q1	202	PEB	C4A-NA	-2.30	1.32	1.37
31	iF	201	PEB	OD-C4D	2.30	1.28	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	GK	202	PEB	C4B-C3B	2.30	1.49	1.45
31	OJ	202	PEB	C1D-ND	2.30	1.49	1.45
31	QB	201	PEB	OD-C4D	2.30	1.28	1.23
31	LI	203	PEB	C4B-C3B	2.30	1.49	1.45
31	SK	201	PEB	C4B-NB	-2.30	1.33	1.38
31	AG	203	PEB	C4A-NA	-2.30	1.32	1.37
31	l6	201	PEB	C4A-NA	-2.30	1.32	1.37
31	DI	202	PEB	C1D-ND	2.30	1.49	1.45
33	JC	1003	CYC	C1B-C2B	2.30	1.49	1.45
31	aF	201	PEB	C1C-CHB	2.30	1.50	1.41
31	eE	201	PEB	C4A-NA	-2.30	1.32	1.37
31	XJ	202	PEB	C2A-C1A	-2.30	1.50	1.52
31	g2	202	PEB	C4B-C3B	2.30	1.49	1.45
31	a8	201	PEB	C1C-CHB	2.30	1.50	1.41
31	A1	201	PEB	C4A-NA	-2.30	1.32	1.37
31	jH	203	PEB	C4A-NA	-2.30	1.32	1.37
31	AF	202	PEB	C2A-C1A	-2.30	1.50	1.52
31	fB	201	PEB	C2A-C1A	-2.30	1.50	1.52
31	BK	202	PEB	C1C-CHB	2.30	1.50	1.41
31	G7	202	PEB	C4A-NA	-2.30	1.32	1.37
31	R1	202	PEB	C4B-C3B	2.30	1.49	1.45
31	UE	203	PEB	C4A-NA	-2.30	1.32	1.37
31	W1	201	PEB	C4A-NA	-2.30	1.32	1.37
31	K4	201	PEB	C4A-NA	-2.30	1.32	1.37
31	OK	201	PEB	C4B-NB	-2.30	1.33	1.38
31	R2	201	PEB	C2A-C1A	-2.30	1.50	1.52
31	lC	202	PEB	C2A-C1A	-2.30	1.50	1.52
31	HA	201	PEB	C4A-NA	-2.30	1.32	1.37
31	QH	201	PEB	C4A-NA	-2.30	1.32	1.37
31	LI	201	PEB	C4B-C3B	2.30	1.49	1.45
31	Q4	203	PEB	C4A-NA	-2.30	1.32	1.37
31	cF	201	PEB	C4A-NA	-2.30	1.32	1.37
33	CB	1001	CYC	C1B-NB	-2.30	1.34	1.37
31	CI	202	PEB	C2A-C1A	-2.30	1.50	1.52
31	CA	201	PEB	C1B-C2B	2.30	1.50	1.45
31	U9	201	PEB	C4A-NA	-2.29	1.32	1.37
33	I6	1001	CYC	C4C-NC	-2.29	1.32	1.37
31	RI	202	PEB	C2A-C1A	-2.29	1.50	1.52
31	TI	202	PEB	C2A-C1A	-2.29	1.50	1.52
31	H1	202	PEB	C2A-C1A	-2.29	1.50	1.52
31	Q6	201	PEB	OD-C4D	2.29	1.27	1.23
31	WG	202	PEB	CHA-C1B	2.29	1.45	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	JB	1002	PEB	C4A-NA	-2.29	1.32	1.37
31	T5	201	PEB	C1C-CHB	2.29	1.50	1.41
33	BD	1001	CYC	OB-C4B	2.29	1.27	1.23
31	IH	201	PEB	C4A-NA	-2.29	1.32	1.37
31	RC	201	PEB	C2A-C1A	-2.29	1.50	1.52
31	ZD	203	PEB	C4A-NA	-2.29	1.32	1.37
33	M6	1001	CYC	C4C-NC	-2.29	1.32	1.37
31	u8	201	PEB	C1B-C2B	2.29	1.50	1.45
33	NC	1001	CYC	C1D-CHD	2.29	1.50	1.41
31	N1	203	PEB	C4A-NA	-2.29	1.32	1.37
31	f6	201	PEB	C4A-NA	-2.29	1.32	1.37
31	V4	202	PEB	C4A-NA	-2.29	1.32	1.37
31	K8	202	PEB	C1B-C2B	2.29	1.50	1.45
33	i3	1001	CYC	C4D-CHA	2.29	1.50	1.41
31	E9	202	PEB	C4A-NA	-2.29	1.32	1.37
32	AC	304	PUB	C1C-C2C	2.29	1.49	1.45
31	QC	203	PEB	C2A-C1A	-2.29	1.50	1.52
31	K1	202	PEB	C2A-C1A	-2.29	1.50	1.52
31	YH	203	PEB	C4A-NA	-2.29	1.32	1.37
31	e6	201	PEB	C4A-NA	-2.29	1.32	1.37
31	L9	203	PEB	C4A-NA	-2.29	1.32	1.37
31	gF	201	PEB	C4A-NA	-2.29	1.32	1.37
33	ID	1001	CYC	C1B-NB	-2.29	1.34	1.37
31	RD	201	PEB	C4A-NA	-2.29	1.32	1.37
33	FC	1001	CYC	C1D-CHD	2.29	1.50	1.41
33	C2	1001	CYC	C4A-C3A	2.29	1.50	1.45
31	cA	403	PEB	C4A-NA	-2.29	1.32	1.37
31	e8	201	PEB	CHA-C4A	-2.29	1.32	1.36
31	DI	202	PEB	C2A-C1A	-2.29	1.50	1.52
31	DI	203	PEB	C2A-C1A	-2.29	1.50	1.52
31	U1	202	PEB	C2A-C1A	-2.29	1.50	1.52
31	M9	302	PEB	C2A-C1A	-2.29	1.50	1.52
31	uF	203	PEB	C2A-C1A	-2.29	1.50	1.52
31	GG	201	PEB	C1D-ND	2.29	1.49	1.45
31	H9	201	PEB	C1D-ND	2.29	1.49	1.45
31	S8	201	PEB	C4A-NA	-2.29	1.32	1.37
33	L2	1001	CYC	C4A-C3A	2.29	1.50	1.45
33	LB	1001	CYC	C1D-CHD	2.29	1.50	1.41
33	FE	1001	CYC	C4C-NC	-2.29	1.32	1.37
33	73	1002	CYC	C4C-NC	-2.29	1.32	1.37
31	R4	201	PEB	C1B-C2B	2.29	1.50	1.45
33	t3	1001	CYC	C4D-CHA	2.29	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	cD	202	PEB	C4A-NA	-2.29	1.32	1.37
31	O2	201	PEB	C1C-CHB	2.29	1.50	1.41
31	d6	202	PEB	C1D-ND	2.29	1.49	1.45
31	NB	1002	PEB	C4A-NA	-2.29	1.32	1.37
31	G7	203	PEB	C2A-C1A	-2.29	1.50	1.52
33	ME	1001	CYC	OB-C4B	2.29	1.27	1.23
31	K8	201	PEB	C4A-NA	-2.29	1.32	1.37
31	W8	201	PEB	C2A-C1A	-2.29	1.50	1.52
31	W8	202	PEB	C1B-C2B	2.29	1.50	1.45
31	Q9	202	PEB	C4B-C3B	2.28	1.49	1.45
31	j2	202	PEB	C1D-ND	2.28	1.49	1.45
31	CH	201	PEB	C4A-NA	-2.28	1.32	1.37
33	F2	1001	CYC	C1D-CHD	2.28	1.50	1.41
31	A7	202	PEB	C2A-C1A	-2.28	1.50	1.52
31	O4	203	PEB	C4A-NA	-2.28	1.32	1.37
31	dF	202	PEB	C4A-NA	-2.28	1.32	1.37
33	C2	1001	CYC	C1B-C2B	2.28	1.49	1.45
33	A3	1001	CYC	C4D-CHA	2.28	1.50	1.41
33	C3	1001	CYC	C4D-CHA	2.28	1.50	1.41
31	gB	201	PEB	C4A-NA	-2.28	1.32	1.37
31	E1	201	PEB	C4B-C3B	2.28	1.49	1.45
33	MD	1001	CYC	OB-C4B	2.28	1.27	1.23
31	YI	203	PEB	C2A-C1A	-2.28	1.50	1.52
31	dE	203	PEB	C2A-C1A	-2.28	1.50	1.52
31	LI	202	PEB	C1C-CHB	2.28	1.50	1.41
33	KE	202	CYC	C1D-CHD	2.28	1.50	1.41
31	mH	201	PEB	C4A-NA	-2.28	1.32	1.37
31	JJ	202	PEB	C1D-ND	2.28	1.49	1.45
31	g2	202	PEB	C1C-CHB	2.28	1.50	1.41
31	FF	201	PEB	OD-C4D	2.28	1.27	1.23
33	BE	1001	CYC	OB-C4B	2.28	1.27	1.23
31	t8	203	PEB	C4B-C3B	2.28	1.49	1.45
31	gC	202	PEB	C4B-C3B	2.28	1.49	1.45
33	D6	1001	CYC	C4C-NC	-2.28	1.32	1.37
31	M7	203	PEB	OD-C4D	2.28	1.27	1.23
31	tF	202	PEB	C4B-C3B	2.28	1.49	1.45
31	AJ	301	PEB	C4B-C3B	2.28	1.49	1.45
31	U2	202	PEB	CHA-C4A	-2.28	1.32	1.36
33	P3	1001	CYC	C4D-CHA	2.28	1.50	1.41
31	RK	203	PEB	C4A-NA	-2.28	1.32	1.37
31	W9	202	PEB	C1C-CHB	2.28	1.50	1.41
33	DE	1001	CYC	C4B-NB	-2.28	1.33	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	GE	201	CYC	C4B-NB	-2.28	1.33	1.38
31	PB	202	PEB	C4A-NA	-2.28	1.32	1.37
31	P1	201	PEB	C4A-NA	-2.28	1.32	1.37
31	bC	201	PEB	C1D-ND	2.28	1.49	1.45
31	OK	202	PEB	C2A-C1A	-2.28	1.50	1.52
31	eF	201	PEB	CHA-C4A	-2.28	1.32	1.36
31	HK	202	PEB	C1C-CHB	2.28	1.49	1.41
31	H1	202	PEB	C1C-CHB	2.28	1.49	1.41
31	J4	201	PEB	C4A-NA	-2.28	1.32	1.37
31	V7	202	PEB	C4A-NA	-2.28	1.32	1.37
31	gC	202	PEB	C1C-CHB	2.28	1.49	1.41
31	UA	303	PEB	C4A-NA	-2.28	1.32	1.37
31	X4	202	PEB	C4A-NA	-2.28	1.32	1.37
31	H8	202	PEB	C4A-NA	-2.28	1.32	1.37
31	OC	201	PEB	C2A-C1A	-2.28	1.50	1.52
31	A1	201	PEB	C2A-C1A	-2.28	1.50	1.52
31	A5	301	PEB	C2A-C1A	-2.28	1.50	1.52
31	W6	201	PEB	OD-C4D	2.28	1.27	1.23
31	F8	201	PEB	C1C-CHB	2.28	1.49	1.41
31	DJ	201	PEB	C4B-C3B	2.28	1.49	1.45
31	WC	203	PEB	C4B-C3B	2.28	1.49	1.45
31	G7	201	PEB	C2A-C1A	-2.28	1.50	1.52
33	JB	1001	CYC	C1D-CHD	2.28	1.49	1.41
31	R2	201	PEB	C4A-NA	-2.28	1.32	1.37
31	iH	202	PEB	C4A-NA	-2.28	1.32	1.37
31	s8	201	PEB	C1D-ND	2.28	1.49	1.45
33	L6	1001	CYC	C1D-CHD	2.28	1.49	1.41
31	dH	202	PEB	C4A-NA	-2.28	1.32	1.37
33	K6	1001	CYC	C1B-NB	-2.28	1.34	1.37
31	V9	202	PEB	C4A-NA	-2.27	1.32	1.37
33	l3	1001	CYC	C4D-CHA	2.27	1.49	1.41
33	v3	1001	CYC	C4D-CHA	2.27	1.49	1.41
31	XK	203	PEB	C4B-C3B	2.27	1.49	1.45
31	kE	202	PEB	C4B-C3B	2.27	1.49	1.45
31	AD	304	PEB	C4A-NA	-2.27	1.32	1.37
31	GK	201	PEB	C4A-NA	-2.27	1.32	1.37
31	U1	202	PEB	C4A-NA	-2.27	1.32	1.37
31	LC	1002	PEB	C4A-NA	-2.27	1.32	1.37
31	f6	202	PEB	C2A-C1A	-2.27	1.50	1.52
31	i4	202	PEB	C1D-ND	2.27	1.49	1.45
31	KA	304	PEB	C4A-NA	-2.27	1.32	1.37
31	I9	202	PEB	C4A-NA	-2.27	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	wF	302	PEB	C4A-NA	-2.27	1.32	1.37
31	h2	201	PEB	C1C-CHB	2.27	1.49	1.41
33	I6	1001	CYC	C1B-NB	-2.27	1.34	1.37
31	qF	203	PEB	C4B-C3B	2.27	1.49	1.45
31	DA	202	PEB	C4A-NA	-2.27	1.32	1.37
31	WA	402	PEB	C4A-NA	-2.27	1.32	1.37
31	RG	203	PEB	OD-C4D	2.27	1.27	1.23
31	TJ	201	PEB	C1C-CHB	2.27	1.49	1.41
31	VC	203	PEB	C4B-C3B	2.27	1.49	1.45
33	T3	1001	CYC	C4D-CHA	2.27	1.49	1.41
33	C6	1001	CYC	C4B-NB	-2.27	1.33	1.38
31	QI	201	PEB	C1C-CHB	2.27	1.49	1.41
31	HH	202	PEB	C4A-NA	-2.27	1.32	1.37
33	K3	1001	CYC	C4D-CHA	2.27	1.49	1.41
31	SF	201	PEB	OD-C4D	2.27	1.27	1.23
31	dB	202	PEB	C1D-ND	2.27	1.49	1.45
31	l8	203	PEB	C1C-CHB	2.27	1.49	1.41
31	LF	202	PEB	C4A-NA	-2.27	1.32	1.37
31	g8	201	PEB	C4A-NA	-2.27	1.32	1.37
31	D9	203	PEB	C4A-NA	-2.27	1.32	1.37
31	eH	202	PEB	C4A-NA	-2.27	1.32	1.37
31	DJ	202	PEB	C1B-C2B	2.27	1.50	1.45
31	q8	201	PEB	C1B-C2B	2.27	1.50	1.45
31	H9	202	PEB	C4B-C3B	2.27	1.49	1.45
31	rF	201	PEB	C4B-C3B	2.27	1.49	1.45
33	N3	1001	CYC	C4D-CHA	2.27	1.49	1.41
31	DI	203	PEB	C4A-NA	-2.27	1.32	1.37
31	D8	202	PEB	C4A-NA	-2.27	1.32	1.37
31	aB	201	PEB	C4A-NA	-2.27	1.32	1.37
31	yF	301	PEB	C4A-NA	-2.27	1.32	1.37
31	XJ	203	PEB	C2A-C1A	-2.27	1.50	1.52
31	RJ	201	PEB	C1C-CHB	2.27	1.49	1.41
33	p3	1001	CYC	C4D-CHA	2.27	1.49	1.41
31	T6	202	PEB	C4A-NA	-2.27	1.32	1.37
31	U2	201	PEB	C1C-CHB	2.27	1.49	1.41
33	D6	1001	CYC	OB-C4B	2.27	1.27	1.23
31	e6	202	PEB	C2A-C1A	-2.27	1.50	1.52
31	mH	201	PEB	C2A-C1A	-2.27	1.50	1.52
31	RJ	203	PEB	C4B-C3B	2.27	1.49	1.45
31	EK	201	PEB	C4B-C3B	2.27	1.49	1.45
31	SE	202	PEB	C4A-NA	-2.27	1.32	1.37
31	QK	202	PEB	C4A-NA	-2.27	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L7	201	PEB	C4A-NA	-2.27	1.32	1.37
31	OE	201	PEB	OD-C4D	2.27	1.27	1.23
31	M1	201	PEB	OD-C4D	2.27	1.27	1.23
31	s8	203	PEB	C4A-NA	-2.27	1.32	1.37
31	KF	202	PEB	C1B-C2B	2.27	1.50	1.45
31	O4	202	PEB	C2A-C1A	-2.27	1.50	1.52
31	BA	202	PEB	C4A-NA	-2.27	1.32	1.37
31	K9	202	PEB	C4A-NA	-2.27	1.32	1.37
33	G3	1001	CYC	C4D-CHA	2.27	1.49	1.41
33	g3	1001	CYC	C4D-CHA	2.27	1.49	1.41
31	P7	202	PEB	C4A-NA	-2.27	1.32	1.37
31	A9	202	PEB	C4A-NA	-2.27	1.32	1.37
31	T1	201	PEB	C1C-CHB	2.27	1.49	1.41
31	B7	202	PEB	C4A-NA	-2.27	1.32	1.37
31	DI	202	PEB	C1C-CHB	2.27	1.49	1.41
31	hH	201	PEB	C4B-C3B	2.27	1.49	1.45
31	Y4	202	PEB	C4A-NA	-2.27	1.32	1.37
31	FG	201	PEB	C2A-C1A	-2.27	1.50	1.52
31	C4	202	PEB	C2A-C1A	-2.27	1.50	1.52
31	P5	201	PEB	C2A-C1A	-2.27	1.50	1.52
31	dH	201	PEB	C2A-C1A	-2.27	1.50	1.52
31	T9	202	PEB	C4A-NA	-2.26	1.32	1.37
33	E3	1001	CYC	C4D-CHA	2.26	1.49	1.41
33	e3	1001	CYC	C4D-CHA	2.26	1.49	1.41
33	m3	1001	CYC	C4D-CHA	2.26	1.49	1.41
31	S9	201	PEB	C4B-C3B	2.26	1.49	1.45
31	P9	202	PEB	C4A-NA	-2.26	1.32	1.37
31	QC	201	PEB	C1C-CHB	2.26	1.49	1.41
31	k8	202	PEB	C1C-CHB	2.26	1.49	1.41
31	SF	202	PEB	OD-C4D	2.26	1.27	1.23
31	QD	202	PEB	C4A-NA	-2.26	1.32	1.37
31	PE	201	PEB	C4A-NA	-2.26	1.32	1.37
31	a6	202	PEB	C4A-NA	-2.26	1.32	1.37
31	nF	202	PEB	C4A-NA	-2.26	1.32	1.37
33	N2	1001	CYC	C4C-NC	-2.26	1.32	1.37
31	SE	203	PEB	C3C-C4C	-2.26	1.38	1.42
33	73	1002	CYC	C4A-C3A	2.26	1.50	1.45
33	E2	1001	CYC	C1B-C2B	2.26	1.49	1.45
31	uF	201	PEB	C1C-CHB	2.26	1.49	1.41
31	W9	203	PEB	C4A-NA	-2.26	1.32	1.37
31	hH	202	PEB	C4A-NA	-2.26	1.32	1.37
31	lF	203	PEB	C1D-ND	2.26	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	r3	1001	CYC	C4D-CHA	2.26	1.49	1.41
31	UI	204	PEB	C1C-CHB	2.26	1.49	1.41
31	LJ	203	PEB	C2A-C1A	-2.26	1.50	1.52
33	EE	1001	CYC	C1D-CHD	2.26	1.49	1.41
31	DF	202	PEB	C4A-NA	-2.26	1.32	1.37
31	PH	202	PEB	C4A-NA	-2.26	1.32	1.37
31	dA	201	PEB	C4A-NA	-2.26	1.32	1.37
31	F1	202	PEB	C2A-C1A	-2.26	1.50	1.52
31	RH	202	PEB	C4A-NA	-2.26	1.32	1.37
31	f2	201	PEB	C4A-NA	-2.26	1.32	1.37
31	OB	202	PEB	C1D-ND	2.26	1.49	1.45
31	GG	201	PEB	C2C-C3C	2.26	1.44	1.37
31	OC	203	PEB	C4A-NA	-2.26	1.32	1.37
31	UJ	201	PEB	C4B-C3B	2.26	1.49	1.45
31	ID	201	PEB	C4B-C3B	2.26	1.49	1.45
31	N5	204	PEB	C1C-CHB	2.26	1.49	1.41
31	gF	201	PEB	C1B-C2B	2.26	1.50	1.45
33	LB	1001	CYC	C4A-C3A	2.26	1.50	1.45
33	D2	1001	CYC	C1D-CHD	2.26	1.49	1.41
31	QA	204	PEB	C4A-NA	-2.26	1.32	1.37
31	DD	1002	PEB	C4A-NA	-2.26	1.32	1.37
31	OI	203	PEB	C4A-NA	-2.26	1.32	1.37
33	NC	1001	CYC	C1B-NB	-2.26	1.34	1.37
31	XA	202	PEB	C4A-NA	-2.26	1.32	1.37
31	N9	202	PEB	C4A-NA	-2.26	1.32	1.37
31	UC	202	PEB	CHA-C4A	-2.26	1.32	1.36
31	N2	1002	PEB	C4B-C3B	2.26	1.49	1.45
31	OE	202	PEB	C4A-NA	-2.26	1.32	1.37
31	TG	201	PEB	C4A-NA	-2.26	1.32	1.37
31	cB	201	PEB	C4A-NA	-2.26	1.32	1.37
31	j4	203	PEB	C1C-CHB	2.26	1.49	1.41
31	a6	202	PEB	C1C-CHB	2.26	1.49	1.41
31	j2	202	PEB	C2A-C1A	-2.26	1.50	1.52
31	eC	203	PEB	C2A-C1A	-2.26	1.50	1.52
31	O4	201	PEB	C4A-NA	-2.26	1.32	1.37
31	Q9	203	PEB	C4A-NA	-2.26	1.32	1.37
31	i8	201	PEB	OD-C4D	2.26	1.27	1.23
31	AI	202	PEB	C2A-C1A	-2.26	1.50	1.52
31	N2	1002	PEB	C2A-C1A	-2.26	1.50	1.52
31	gC	203	PEB	C1C-CHB	2.26	1.49	1.41
31	N4	201	PEB	C4A-NA	-2.26	1.32	1.37
31	Z4	201	PEB	C4A-NA	-2.26	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	DB	1001	CYC	OB-C4B	2.26	1.27	1.23
33	J3	1001	CYC	C4D-CHA	2.26	1.49	1.41
33	c3	1001	CYC	C4D-CHA	2.26	1.49	1.41
31	A1	202	PEB	C1D-ND	2.26	1.49	1.45
31	HC	1002	PEB	C4A-NA	-2.26	1.32	1.37
31	a6	203	PEB	C4B-C3B	2.26	1.49	1.45
31	dB	202	PEB	C2A-C1A	-2.25	1.50	1.52
31	Q7	201	PEB	C1B-C2B	2.25	1.50	1.45
33	MB	1001	CYC	C4C-NC	-2.25	1.32	1.37
31	FF	201	PEB	C1C-CHB	2.25	1.49	1.41
33	GE	201	CYC	C1D-CHD	2.25	1.49	1.41
31	TB	202	PEB	C4A-NA	-2.25	1.32	1.37
31	HF	202	PEB	C4A-NA	-2.25	1.32	1.37
31	C5	202	PEB	C1B-C2B	2.25	1.50	1.45
31	WC	203	PEB	C1C-CHB	2.25	1.49	1.41
31	SK	202	PEB	C4A-NA	-2.25	1.32	1.37
31	c4	201	PEB	C4A-NA	-2.25	1.32	1.37
31	eH	201	PEB	C4A-NA	-2.25	1.32	1.37
31	g2	201	PEB	C4B-C3B	2.25	1.49	1.45
31	O6	201	PEB	C4A-NA	-2.25	1.32	1.37
31	C7	202	PEB	C1B-C2B	2.25	1.50	1.45
33	N2	1001	CYC	C4A-C3A	2.25	1.50	1.45
31	c8	201	PEB	C4A-NA	-2.25	1.32	1.37
31	HI	202	PEB	C2A-C1A	-2.25	1.50	1.52
33	ED	1001	CYC	C4B-NB	-2.25	1.33	1.38
31	G9	202	PEB	C4A-NA	-2.25	1.32	1.37
31	oF	203	PEB	C1D-ND	2.25	1.49	1.45
32	ZI	302	PUB	C3C-C4C	2.25	1.51	1.43
31	O9	202	PEB	C4A-NA	-2.25	1.32	1.37
31	WI	202	PEB	C2A-C1A	-2.25	1.50	1.52
31	hB	202	PEB	C2A-C1A	-2.25	1.50	1.52
31	E5	201	PEB	C4A-NA	-2.25	1.32	1.37
31	X9	202	PEB	C4A-NA	-2.25	1.32	1.37
31	IH	202	PEB	OD-C4D	2.25	1.27	1.23
31	fB	201	PEB	C4A-NA	-2.25	1.32	1.37
31	WF	202	PEB	C1B-C2B	2.25	1.50	1.45
31	TJ	201	PEB	C2A-C1A	-2.25	1.50	1.52
31	Y4	203	PEB	C2A-C1A	-2.25	1.50	1.52
31	R6	203	PEB	C1C-CHB	2.25	1.49	1.41
31	HC	1002	PEB	C4B-C3B	2.25	1.49	1.45
31	I7	203	PEB	OD-C4D	2.25	1.27	1.23
31	O8	201	PEB	OD-C4D	2.25	1.27	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	VB	201	PEB	C4A-NA	-2.25	1.32	1.37
31	VA	202	PEB	C2A-C1A	-2.25	1.50	1.52
31	vF	201	PEB	C4B-C3B	2.25	1.49	1.45
33	LC	1001	CYC	C4C-NC	-2.25	1.32	1.37
31	CH	202	PEB	C2A-C1A	-2.25	1.50	1.52
31	VI	202	PEB	C2A-C1A	-2.25	1.50	1.52
31	iD	201	PEB	C2A-C1A	-2.25	1.50	1.52
31	L5	202	PEB	C4A-NA	-2.25	1.32	1.37
31	IF	201	PEB	O1C-CGC	2.25	1.29	1.22
31	KD	201	PEB	C4A-NA	-2.25	1.32	1.37
33	F2	1001	CYC	C4C-NC	-2.25	1.32	1.37
33	BE	1001	CYC	C1D-CHD	2.25	1.49	1.41
31	O6	202	PEB	C1D-ND	2.25	1.49	1.45
31	H4	202	PEB	C1B-C2B	2.25	1.50	1.45
31	gE	201	PEB	C4A-NA	-2.25	1.32	1.37
31	AG	203	PEB	C2A-C1A	-2.25	1.50	1.52
31	A1	202	PEB	C2A-C1A	-2.25	1.50	1.52
31	W5	201	PEB	C4B-C3B	2.25	1.49	1.45
31	cH	202	PEB	C4B-C3B	2.25	1.49	1.45
33	J6	1001	CYC	C4A-C3A	2.25	1.50	1.45
31	SB	201	PEB	C4A-NA	-2.25	1.32	1.37
33	F6	1001	CYC	OB-C4B	2.25	1.27	1.23
31	r8	202	PEB	C4A-NA	-2.25	1.32	1.37
31	R5	203	PEB	C4B-C3B	2.24	1.49	1.45
31	YK	302	PEB	C4B-C3B	2.24	1.49	1.45
31	cD	201	PEB	C4B-C3B	2.24	1.49	1.45
31	O7	201	PEB	C4A-NA	-2.24	1.32	1.37
31	ZF	201	PEB	C4B-C3B	2.24	1.49	1.45
31	h2	201	PEB	C4B-C3B	2.24	1.49	1.45
31	OB	202	PEB	C2A-C1A	-2.24	1.50	1.52
31	gB	203	PEB	C2A-C1A	-2.24	1.50	1.52
31	OJ	201	PEB	C1D-ND	2.24	1.49	1.45
31	VC	201	PEB	C1B-C2B	2.24	1.50	1.45
31	MI	305	PEB	C1B-C2B	2.24	1.50	1.45
31	FA	201	PEB	C4A-NA	-2.24	1.32	1.37
33	R3	1001	CYC	C4D-CHA	2.24	1.49	1.41
31	wF	301	PEB	C2A-C1A	-2.24	1.50	1.52
31	D1	202	PEB	C1D-ND	2.24	1.49	1.45
31	HK	203	PEB	C4A-NA	-2.24	1.32	1.37
31	v8	202	PEB	C2A-C1A	-2.24	1.50	1.52
31	fH	203	PEB	C1C-CHB	2.24	1.49	1.41
31	T6	201	PEB	C4A-NA	-2.24	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	g6	201	PEB	C4A-NA	-2.24	1.32	1.37
31	R9	202	PEB	C4A-NA	-2.24	1.32	1.37
33	GD	201	CYC	C1D-CHD	2.24	1.49	1.41
33	v3	1001	CYC	OB-C4B	2.24	1.27	1.23
31	ZI	304	PEB	C1B-C2B	2.24	1.50	1.45
31	XH	202	PEB	C4A-NA	-2.24	1.32	1.37
31	D5	201	PEB	C4B-C3B	2.24	1.49	1.45
33	E6	1001	CYC	C1D-CHD	2.24	1.49	1.41
31	lE	203	PEB	C2A-C1A	-2.24	1.50	1.52
33	MD	1001	CYC	C4B-NB	-2.24	1.33	1.38
31	BG	201	PEB	C1B-C2B	2.24	1.50	1.45
31	l4	201	PEB	C4B-C3B	2.24	1.49	1.45
31	F7	201	PEB	C4A-NA	-2.24	1.32	1.37
31	eB	201	PEB	C4A-NA	-2.24	1.32	1.37
31	SC	201	PEB	C1C-CHB	2.24	1.49	1.41
31	aF	202	PEB	C1B-C2B	2.24	1.50	1.45
31	FG	201	PEB	C4A-NA	-2.24	1.32	1.37
31	H4	201	PEB	C4A-NA	-2.24	1.32	1.37
31	n8	201	PEB	C4B-C3B	2.24	1.49	1.45
32	A2	304	PUB	C1C-C2C	2.24	1.49	1.45
31	AB	301	PEB	C2A-C1A	-2.24	1.50	1.52
31	NJ	202	PEB	C2A-C1A	-2.24	1.50	1.52
31	k6	201	PEB	C2A-C1A	-2.24	1.50	1.52
31	K9	202	PEB	C2A-C1A	-2.24	1.50	1.52
31	Z9	302	PEB	C2A-C1A	-2.24	1.50	1.52
31	QD	201	PEB	C4A-NA	-2.24	1.32	1.37
31	hE	202	PEB	C4A-NA	-2.24	1.32	1.37
31	a8	202	PEB	C1B-C2B	2.24	1.50	1.45
31	d4	201	PEB	C4B-C3B	2.24	1.49	1.45
31	c6	201	PEB	C2A-C1A	-2.24	1.50	1.52
31	mD	203	PEB	C2A-C1A	-2.24	1.50	1.52
31	kF	202	PEB	C1C-CHB	2.24	1.49	1.41
31	S1	202	PEB	C4A-NA	-2.24	1.32	1.37
31	E8	202	PEB	C4A-NA	-2.24	1.32	1.37
32	MI	303	PUB	C3C-C4C	2.24	1.51	1.43
31	FC	1002	PEB	C4A-NA	-2.24	1.32	1.37
31	JF	202	PEB	C4A-NA	-2.24	1.32	1.37
31	BK	203	PEB	C4A-NA	-2.24	1.32	1.37
31	cB	202	PEB	C4A-NA	-2.24	1.32	1.37
31	rF	202	PEB	C1B-C2B	2.24	1.50	1.45
31	t8	203	PEB	C1C-CHB	2.24	1.49	1.41
31	j8	202	PEB	C4A-NA	-2.24	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	y8	301	PEB	C4A-NA	-2.24	1.32	1.37
31	P8	202	PEB	C2A-C1A	-2.24	1.50	1.52
31	bC	202	PEB	C4B-C3B	2.24	1.49	1.45
33	KE	202	CYC	C4B-NB	-2.24	1.33	1.38
31	WG	201	PEB	C4A-NA	-2.24	1.32	1.37
31	D5	201	PEB	C4A-NA	-2.24	1.32	1.37
33	J6	1001	CYC	C4C-NC	-2.24	1.32	1.37
31	SB	202	PEB	C1B-C2B	2.24	1.50	1.45
33	CB	1001	CYC	C4B-NB	-2.24	1.33	1.38
31	f4	203	PEB	C4B-C3B	2.24	1.49	1.45
31	S2	202	PEB	C2A-C1A	-2.24	1.50	1.52
31	DJ	201	PEB	C4A-NA	-2.24	1.32	1.37
31	S7	203	PEB	C1C-CHB	2.24	1.49	1.41
31	wF	303	PEB	C1B-C2B	2.24	1.50	1.45
31	WB	201	PEB	OD-C4D	2.24	1.27	1.23
31	LJ	202	PEB	C4A-NA	-2.24	1.32	1.37
31	j2	201	PEB	C4A-NA	-2.24	1.32	1.37
31	q8	201	PEB	C2A-C1A	-2.23	1.50	1.52
31	iE	202	PEB	C2A-C1A	-2.23	1.50	1.52
33	BD	1001	CYC	C1D-CHD	2.23	1.49	1.41
31	UC	201	PEB	C4A-NA	-2.23	1.32	1.37
31	ZE	203	PEB	C4A-NA	-2.23	1.32	1.37
31	AE	304	PEB	C4A-NA	-2.23	1.32	1.37
31	U2	201	PEB	C4A-NA	-2.23	1.32	1.37
31	fC	201	PEB	C4A-NA	-2.23	1.32	1.37
31	fD	203	PEB	C1C-CHB	2.23	1.49	1.41
31	QI	203	PEB	C4B-C3B	2.23	1.49	1.45
31	i8	203	PEB	C4B-C3B	2.23	1.49	1.45
31	TK	201	PEB	C1C-CHB	2.23	1.49	1.41
31	TF	202	PEB	C4B-C3B	2.23	1.49	1.45
31	UK	201	PEB	C4B-NB	-2.23	1.33	1.38
31	H2	1002	PEB	C4A-NA	-2.23	1.32	1.37
31	nF	201	PEB	C1C-CHB	2.23	1.49	1.41
31	UD	203	PEB	C4A-NA	-2.23	1.32	1.37
31	m2	201	PEB	C4A-NA	-2.23	1.32	1.37
31	m6	203	PEB	C4A-NA	-2.23	1.32	1.37
31	I8	203	PEB	OD-C4D	2.23	1.27	1.23
33	FB	1001	CYC	OB-C4B	2.23	1.27	1.23
31	OI	202	PEB	C2A-C1A	-2.23	1.50	1.52
31	N7	202	PEB	C2A-C1A	-2.23	1.50	1.52
31	S9	202	PEB	C2A-C1A	-2.23	1.50	1.52
31	iE	201	PEB	C2A-C1A	-2.23	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	VA	201	PEB	C4A-NA	-2.23	1.32	1.37
33	NB	1001	CYC	C4C-NC	-2.23	1.32	1.37
31	O6	201	PEB	OD-C4D	2.23	1.27	1.23
31	TB	203	PEB	C1C-CHB	2.23	1.49	1.41
31	YD	202	PEB	C4A-NA	-2.23	1.32	1.37
31	MF	201	PEB	C4A-NA	-2.23	1.32	1.37
31	QE	201	PEB	C4B-C3B	2.23	1.49	1.45
31	B9	201	PEB	C4B-C3B	2.23	1.49	1.45
31	RB	203	PEB	C1C-CHB	2.23	1.49	1.41
31	X1	201	PEB	C4A-NA	-2.23	1.32	1.37
31	b7	501	PEB	C4A-NA	-2.23	1.32	1.37
31	iB	203	PEB	C2A-C1A	-2.23	1.50	1.52
31	WK	201	PEB	C4A-NA	-2.23	1.32	1.37
31	TE	201	PEB	C4A-NA	-2.23	1.32	1.37
31	EF	202	PEB	C4A-NA	-2.23	1.32	1.37
31	L2	1002	PEB	C4A-NA	-2.23	1.32	1.37
31	iE	202	PEB	C4B-C3B	2.23	1.49	1.45
31	e4	202	PEB	C4A-NA	-2.23	1.32	1.37
33	KC	201	CYC	C4C-NC	-2.23	1.32	1.37
31	Q6	201	PEB	CHA-C4A	-2.23	1.32	1.36
33	NC	1001	CYC	C4A-C3A	2.23	1.50	1.45
31	DK	202	PEB	C1A-NA	-2.23	1.34	1.37
31	NC	1002	PEB	C4B-C3B	2.23	1.49	1.45
31	I1	201	PEB	C4B-C3B	2.23	1.49	1.45
31	k8	203	PEB	C4B-C3B	2.23	1.49	1.45
31	aB	203	PEB	C4B-C3B	2.23	1.49	1.45
31	ZI	301	PEB	C1D-ND	2.23	1.49	1.45
33	LE	1001	CYC	C1D-CHD	2.23	1.49	1.41
31	gD	201	PEB	C4A-NA	-2.23	1.32	1.37
33	EB	1001	CYC	C1D-CHD	2.23	1.49	1.41
31	ZA	201	PEB	C4A-NA	-2.23	1.32	1.37
31	H1	203	PEB	C4A-NA	-2.23	1.32	1.37
31	N6	1002	PEB	C4A-NA	-2.23	1.32	1.37
31	e6	202	PEB	C4A-NA	-2.23	1.32	1.37
31	PF	202	PEB	C4A-NA	-2.23	1.32	1.37
31	c6	202	PEB	C1C-CHB	2.23	1.49	1.41
31	XK	201	PEB	C4A-NA	-2.23	1.32	1.37
31	m2	201	PEB	C1B-C2B	2.23	1.50	1.45
31	fE	203	PEB	C4B-C3B	2.23	1.49	1.45
33	JB	1001	CYC	C4A-C3A	2.23	1.50	1.45
31	MK	202	PEB	C2A-C1A	-2.23	1.50	1.52
31	D1	202	PEB	C1A-NA	-2.23	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	OH	202	PEB	C4A-NA	-2.23	1.32	1.37
33	J2	1001	CYC	C1B-NB	-2.23	1.34	1.37
33	E6	1001	CYC	C4B-NB	-2.23	1.33	1.38
31	gA	203	PEB	O1B-CGB	2.22	1.29	1.22
31	X5	202	PEB	C1C-CHB	2.22	1.49	1.41
33	F6	1001	CYC	C4C-NC	-2.22	1.32	1.37
31	gC	203	PEB	C4B-C3B	2.22	1.49	1.45
31	aB	202	PEB	C1C-CHB	2.22	1.49	1.41
31	G8	201	PEB	C1C-CHB	2.22	1.49	1.41
31	S2	201	PEB	C1C-CHB	2.22	1.49	1.41
31	X4	201	PEB	C4A-NA	-2.22	1.32	1.37
31	HA	203	PEB	C4A-NA	-2.22	1.32	1.37
31	O9	203	PEB	C4A-NA	-2.22	1.32	1.37
31	OD	201	PEB	OD-C4D	2.22	1.27	1.23
31	MK	201	PEB	OD-C4D	2.22	1.27	1.23
31	SH	201	PEB	C4A-NA	-2.22	1.32	1.37
33	JB	1001	CYC	C4C-NC	-2.22	1.32	1.37
31	XF	203	PEB	C4B-C3B	2.22	1.49	1.45
31	gB	201	PEB	C2A-C1A	-2.22	1.50	1.52
33	DD	1001	CYC	C4B-NB	-2.22	1.33	1.38
31	V5	203	PEB	C1C-CHB	2.22	1.49	1.41
33	K2	201	CYC	C4C-NC	-2.22	1.32	1.37
33	J3	1001	CYC	OB-C4B	2.22	1.27	1.23
31	SD	202	PEB	C4A-NA	-2.22	1.32	1.37
31	m6	201	PEB	C4A-NA	-2.22	1.32	1.37
31	xF	302	PEB	C4A-NA	-2.22	1.32	1.37
33	MD	1001	CYC	C1B-NB	-2.22	1.34	1.37
31	i8	203	PEB	C2A-C1A	-2.22	1.50	1.52
31	jH	203	PEB	C4B-C3B	2.22	1.49	1.45
31	S7	201	PEB	OD-C4D	2.22	1.27	1.23
31	fE	203	PEB	C1C-CHB	2.22	1.49	1.41
31	C4	202	PEB	C4B-C3B	2.22	1.49	1.45
31	hC	201	PEB	C1C-CHB	2.22	1.49	1.41
31	I8	201	PEB	O1C-CGC	2.22	1.29	1.22
31	W4	202	PEB	C2A-C1A	-2.22	1.50	1.52
33	T3	1001	CYC	OB-C4B	2.22	1.27	1.23
31	m4	201	PEB	C4A-NA	-2.22	1.32	1.37
31	lE	201	PEB	C4A-NA	-2.22	1.32	1.37
31	rF	202	PEB	C4A-NA	-2.22	1.32	1.37
31	nF	201	PEB	C4B-C3B	2.22	1.49	1.45
31	QD	201	PEB	C4B-C3B	2.22	1.49	1.45
31	c6	201	PEB	C4A-NA	-2.22	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	O5	201	PEB	C1D-ND	2.22	1.49	1.45
33	EE	1001	CYC	C4B-NB	-2.22	1.33	1.38
31	UB	202	PEB	C2A-C1A	-2.22	1.50	1.52
31	eE	202	PEB	C2A-C1A	-2.22	1.50	1.52
31	QI	202	PEB	C1D-ND	2.22	1.49	1.45
31	n8	202	PEB	C4B-C3B	2.22	1.49	1.45
31	N8	201	PEB	C1A-NA	-2.22	1.34	1.37
31	ZB	202	PEB	C4A-NA	-2.22	1.32	1.37
31	fE	202	PEB	C4A-NA	-2.22	1.32	1.37
31	UC	201	PEB	C1C-CHB	2.22	1.49	1.41
31	lC	202	PEB	C1C-CHB	2.22	1.49	1.41
31	VE	201	PEB	C4B-C3B	2.22	1.49	1.45
31	H2	1002	PEB	C4B-C3B	2.22	1.49	1.45
31	M8	203	PEB	C4A-NA	-2.22	1.32	1.37
31	GF	201	PEB	C1C-CHB	2.22	1.49	1.41
31	W7	201	PEB	C4A-NA	-2.22	1.32	1.37
31	OG	202	PEB	C2C-C3C	2.21	1.44	1.37
31	fD	203	PEB	C4B-C3B	2.21	1.49	1.45
31	QI	202	PEB	C1C-CHB	2.21	1.49	1.41
33	J6	1001	CYC	C1D-CHD	2.21	1.49	1.41
33	C3	1001	CYC	OB-C4B	2.21	1.27	1.23
33	p3	1001	CYC	OB-C4B	2.21	1.27	1.23
33	t3	1001	CYC	OB-C4B	2.21	1.27	1.23
31	TG	203	PEB	C4A-NA	-2.21	1.32	1.37
31	j8	201	PEB	C4B-C3B	2.21	1.49	1.45
31	G1	201	PEB	C4A-NA	-2.21	1.32	1.37
31	G1	202	PEB	C4B-C3B	2.21	1.49	1.45
33	FB	1001	CYC	C1B-NB	-2.21	1.34	1.37
33	GB	1001	CYC	C4D-CHA	2.21	1.49	1.41
31	V1	202	PEB	C1A-NA	-2.21	1.34	1.37
31	TC	201	PEB	C1D-ND	2.21	1.49	1.45
31	sF	201	PEB	C1D-ND	2.21	1.49	1.45
31	BG	203	PEB	C1C-CHB	2.21	1.49	1.41
31	JJ	201	PEB	C4B-C3B	2.21	1.49	1.45
31	WI	203	PEB	C2A-C1A	-2.21	1.50	1.52
31	H7	202	PEB	C2A-C1A	-2.21	1.50	1.52
31	w8	303	PEB	C1B-C2B	2.21	1.50	1.45
31	KG	201	PEB	C4A-NA	-2.21	1.32	1.37
31	o8	202	PEB	C1B-C2B	2.21	1.50	1.45
33	NB	1001	CYC	C4A-C3A	2.21	1.50	1.45
31	UD	203	PEB	C2A-C1A	-2.21	1.50	1.52
31	D9	202	PEB	C2A-C1A	-2.21	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	NF	201	PEB	C1A-NA	-2.21	1.34	1.37
33	E2	1001	CYC	C1D-CHD	2.21	1.49	1.41
31	IH	203	PEB	C4A-NA	-2.21	1.32	1.37
33	63	901	CYC	C4B-NB	-2.21	1.33	1.38
31	IF	203	PEB	OD-C4D	2.21	1.27	1.23
33	G3	1001	CYC	OB-C4B	2.21	1.27	1.23
31	kB	201	PEB	C4B-C3B	2.21	1.49	1.45
31	JI	201	PEB	C2A-C1A	-2.21	1.50	1.52
31	LI	201	PEB	C2A-C1A	-2.21	1.50	1.52
31	E5	202	PEB	C4A-NA	-2.21	1.32	1.37
31	h2	202	PEB	C1C-CHB	2.21	1.49	1.41
31	a6	202	PEB	C4B-NB	-2.21	1.33	1.38
33	G6	1001	CYC	C4D-CHA	2.21	1.49	1.41
33	P3	1001	CYC	OB-C4B	2.21	1.27	1.23
31	tF	202	PEB	C1C-CHB	2.21	1.49	1.41
31	K7	201	PEB	C4A-NA	-2.21	1.32	1.37
33	i3	1001	CYC	OB-C4B	2.21	1.27	1.23
33	MB	1001	CYC	C1B-NB	-2.21	1.34	1.37
31	R5	203	PEB	C1C-CHB	2.21	1.49	1.41
31	D9	202	PEB	C4B-C3B	2.21	1.49	1.45
31	iF	203	PEB	C4B-C3B	2.21	1.49	1.45
31	DB	1002	PEB	C4A-NA	-2.21	1.32	1.37
31	J9	202	PEB	C4A-NA	-2.21	1.32	1.37
31	iD	201	PEB	C4A-NA	-2.21	1.32	1.37
31	VJ	203	PEB	C1C-CHB	2.21	1.49	1.41
31	J5	201	PEB	C1C-CHB	2.21	1.49	1.41
31	CA	201	PEB	C4A-NA	-2.21	1.32	1.37
31	C1	201	PEB	C1B-C2B	2.21	1.50	1.45
31	AB	304	PEB	C2A-C1A	-2.21	1.50	1.52
31	i8	201	PEB	C1C-CHB	2.21	1.49	1.41
31	I4	201	PEB	C4A-NA	-2.21	1.32	1.37
31	sF	202	PEB	C1B-C2B	2.21	1.50	1.45
31	r8	201	PEB	C4B-C3B	2.21	1.49	1.45
31	GJ	201	PEB	C4A-NA	-2.21	1.32	1.37
31	P6	201	PEB	C4A-NA	-2.21	1.32	1.37
31	QA	203	PEB	C4A-NA	-2.21	1.32	1.37
33	L6	1001	CYC	C4A-C3A	2.21	1.50	1.45
31	l2	203	PEB	C1C-CHB	2.21	1.49	1.41
31	cB	202	PEB	C1C-CHB	2.21	1.49	1.41
31	IH	203	PEB	C4A-NA	-2.21	1.32	1.37
31	T1	202	PEB	OD-C4D	2.21	1.27	1.23
33	ME	1001	CYC	C1B-NB	-2.21	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	D2	1002	PEB	C4A-NA	-2.21	1.32	1.37
31	n8	201	PEB	C1C-CHB	2.21	1.49	1.41
31	NI	202	PEB	C2A-C1A	-2.21	1.50	1.52
31	n8	202	PEB	C2A-C1A	-2.21	1.50	1.52
31	iD	202	PEB	C2A-C1A	-2.21	1.50	1.52
31	fE	202	PEB	C2A-C1A	-2.21	1.50	1.52
33	r3	1001	CYC	OB-C4B	2.21	1.27	1.23
31	XF	201	PEB	C4B-C3B	2.20	1.49	1.45
31	P4	202	PEB	C4A-NA	-2.20	1.32	1.37
31	P6	202	PEB	C4A-NA	-2.20	1.32	1.37
31	NF	202	PEB	C4A-NA	-2.20	1.32	1.37
31	R4	202	PEB	C4A-NA	-2.20	1.32	1.37
31	A5	301	PEB	C4B-C3B	2.20	1.49	1.45
31	I8	202	PEB	C3C-C4C	-2.20	1.38	1.42
31	B1	203	PEB	C4A-NA	-2.20	1.32	1.37
31	U4	203	PEB	C4A-NA	-2.20	1.32	1.37
31	t8	202	PEB	C1C-CHB	2.20	1.49	1.41
31	A6	301	PEB	C2A-C1A	-2.20	1.50	1.52
31	f6	201	PEB	C2A-C1A	-2.20	1.50	1.52
31	X7	201	PEB	C2A-C1A	-2.20	1.50	1.52
31	VD	201	PEB	C4A-NA	-2.20	1.32	1.37
31	VE	201	PEB	C4A-NA	-2.20	1.32	1.37
31	KG	203	PEB	C4A-NA	-2.20	1.32	1.37
31	ID	201	PEB	C4A-NA	-2.20	1.32	1.37
31	xF	303	PEB	C4B-C3B	2.20	1.49	1.45
31	PH	201	PEB	C4A-NA	-2.20	1.32	1.37
33	GB	1001	CYC	C4C-NC	-2.20	1.32	1.37
33	G6	1001	CYC	C4C-NC	-2.20	1.32	1.37
31	iF	201	PEB	C1C-CHB	2.20	1.49	1.41
31	T7	202	PEB	C4A-NA	-2.20	1.32	1.37
31	IE	201	PEB	C4B-C3B	2.20	1.49	1.45
31	UA	304	PEB	C4A-NA	-2.20	1.32	1.37
31	OD	203	PEB	C4A-NA	-2.20	1.32	1.37
31	MH	203	PEB	C4A-NA	-2.20	1.32	1.37
33	LC	1001	CYC	C1B-NB	-2.20	1.34	1.37
31	P4	201	PEB	C2A-C1A	-2.20	1.50	1.52
31	d6	202	PEB	C2A-C1A	-2.20	1.50	1.52
31	vF	202	PEB	C4B-C3B	2.20	1.49	1.45
31	C7	201	PEB	C4A-NA	-2.20	1.32	1.37
31	NG	203	PEB	C4B-NB	-2.20	1.33	1.38
33	HE	1001	CYC	C1D-CHD	2.20	1.49	1.41
31	OI	203	PEB	C1B-C2B	2.20	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	c3	1001	CYC	OB-C4B	2.20	1.27	1.23
31	aE	202	PEB	C4A-NA	-2.20	1.32	1.37
31	Y8	203	PEB	C1C-CHB	2.20	1.49	1.41
33	GD	201	CYC	C4B-NB	-2.20	1.33	1.38
33	F2	1001	CYC	C4B-NB	-2.20	1.33	1.38
31	ZG	401	PEB	C1B-C2B	2.20	1.50	1.45
31	iC	201	PEB	C1B-C2B	2.20	1.50	1.45
31	EJ	202	PEB	C4A-NA	-2.20	1.32	1.37
33	JC	1001	CYC	C1B-NB	-2.20	1.34	1.37
31	T2	201	PEB	C1D-ND	2.20	1.49	1.45
31	BG	201	PEB	C1C-CHB	2.20	1.49	1.41
31	HJ	201	PEB	C4A-NA	-2.20	1.32	1.37
31	D8	203	PEB	C4A-NA	-2.20	1.32	1.37
33	M6	1001	CYC	C1D-CHD	2.20	1.49	1.41
31	QJ	202	PEB	C2A-C1A	-2.20	1.50	1.52
31	D2	1002	PEB	C2A-C1A	-2.20	1.50	1.52
31	iF	203	PEB	C2A-C1A	-2.20	1.50	1.52
31	g2	202	PEB	C1A-NA	-2.20	1.34	1.37
31	YE	202	PEB	C4A-NA	-2.20	1.32	1.37
31	OC	202	PEB	C4B-C3B	2.20	1.49	1.45
31	x8	302	PEB	C1D-ND	2.20	1.49	1.45
31	dE	204	PEB	C2A-C1A	-2.20	1.50	1.52
33	LC	1001	CYC	C1D-CHD	2.20	1.49	1.41
31	F1	203	PEB	C4A-NA	-2.20	1.32	1.37
31	H7	202	PEB	C4A-NA	-2.20	1.32	1.37
31	oF	201	PEB	C4B-C3B	2.20	1.49	1.45
31	G4	203	PEB	C4A-NA	-2.20	1.32	1.37
31	DC	1002	PEB	C2A-C1A	-2.20	1.50	1.52
33	K3	1001	CYC	OB-C4B	2.20	1.27	1.23
31	TB	201	PEB	C4A-NA	-2.20	1.32	1.37
31	Q9	203	PEB	C1B-C2B	2.20	1.50	1.45
31	BI	202	PEB	C1D-ND	2.20	1.49	1.45
31	aF	202	PEB	C4A-NA	-2.20	1.32	1.37
33	FC	1001	CYC	C4C-NC	-2.20	1.32	1.37
31	lF	201	PEB	C1C-CHB	2.20	1.49	1.41
33	LD	1001	CYC	C1D-CHD	2.20	1.49	1.41
31	dB	201	PEB	C2A-C1A	-2.20	1.50	1.52
31	PB	201	PEB	C4A-NA	-2.20	1.32	1.37
31	F6	1002	PEB	C4A-NA	-2.20	1.32	1.37
33	KB	1001	CYC	C4B-NB	-2.19	1.33	1.38
31	Y1	303	PEB	C4A-NA	-2.19	1.32	1.37
31	S4	203	PEB	C4A-NA	-2.19	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	d4	202	PEB	C4A-NA	-2.19	1.32	1.37
31	P4	201	PEB	C4B-C3B	2.19	1.49	1.45
31	j4	202	PEB	C2A-C1A	-2.19	1.50	1.52
33	g3	1001	CYC	OB-C4B	2.19	1.27	1.23
31	AJ	304	PEB	C4A-NA	-2.19	1.32	1.37
31	A5	304	PEB	C4A-NA	-2.19	1.32	1.37
31	L8	201	PEB	C1A-NA	-2.19	1.34	1.37
31	IG	202	PEB	C4A-NA	-2.19	1.32	1.37
31	M8	201	PEB	C4A-NA	-2.19	1.32	1.37
33	e3	1001	CYC	OB-C4B	2.19	1.27	1.23
31	T6	203	PEB	C1C-CHB	2.19	1.49	1.41
31	TK	202	PEB	OD-C4D	2.19	1.27	1.23
31	CJ	202	PEB	C1B-C2B	2.19	1.50	1.45
33	EB	1001	CYC	C1B-C2B	2.19	1.49	1.45
31	KA	303	PEB	C1C-CHB	2.19	1.49	1.41
31	IK	201	PEB	C1D-ND	2.19	1.49	1.45
31	HI	202	PEB	C4B-C3B	2.19	1.49	1.45
31	WH	201	PEB	C4B-NB	-2.19	1.33	1.38
31	RJ	203	PEB	C1C-CHB	2.19	1.49	1.41
31	V4	201	PEB	C4A-NA	-2.19	1.32	1.37
31	aC	202	PEB	C1B-C2B	2.19	1.50	1.45
31	VG	203	PEB	C2C-C3C	2.19	1.44	1.37
31	TK	201	PEB	C4B-C3B	2.19	1.49	1.45
31	T1	201	PEB	C4B-C3B	2.19	1.49	1.45
31	x8	302	PEB	C4B-C3B	2.19	1.49	1.45
31	mB	202	PEB	C4B-C3B	2.19	1.49	1.45
31	aB	202	PEB	C4A-NA	-2.19	1.32	1.37
31	aD	202	PEB	C4A-NA	-2.19	1.32	1.37
31	dH	201	PEB	C4A-NA	-2.19	1.32	1.37
33	LE	1001	CYC	OB-C4B	2.19	1.27	1.23
33	CE	1001	CYC	C4A-C3A	2.19	1.50	1.45
31	JE	201	PEB	OD-C4D	2.19	1.27	1.23
31	aB	202	PEB	C4B-NB	-2.19	1.33	1.38
31	D4	201	PEB	C4A-NA	-2.19	1.32	1.37
31	S9	202	PEB	C4A-NA	-2.19	1.32	1.37
33	IE	1001	CYC	C1D-CHD	2.19	1.49	1.41
31	LI	201	PEB	C4A-NA	-2.19	1.32	1.37
31	W1	202	PEB	C4A-NA	-2.19	1.32	1.37
31	O8	201	PEB	C1C-CHB	2.19	1.49	1.41
33	KB	1001	CYC	C1D-CHD	2.19	1.49	1.41
31	Y2	201	PEB	C4A-NA	-2.19	1.32	1.37
31	R7	202	PEB	C4A-NA	-2.19	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	L2	1001	CYC	C1D-CHD	2.19	1.49	1.41
31	YK	301	PEB	C1D-ND	2.19	1.49	1.45
31	UE	201	PEB	C4A-NA	-2.19	1.32	1.37
31	N8	202	PEB	C4A-NA	-2.19	1.32	1.37
31	FJ	201	PEB	C1B-C2B	2.19	1.50	1.45
31	DE	1002	PEB	C4A-NA	-2.19	1.32	1.37
31	EG	202	PEB	C4A-NA	-2.19	1.32	1.37
31	V2	201	PEB	C1B-C2B	2.19	1.50	1.45
31	b2	203	PEB	C4A-NA	-2.19	1.32	1.37
31	T4	202	PEB	C4A-NA	-2.19	1.32	1.37
31	J8	202	PEB	C4A-NA	-2.19	1.32	1.37
31	dE	204	PEB	C1D-ND	2.19	1.49	1.45
31	a8	202	PEB	C4A-NA	-2.19	1.32	1.37
31	Y9	202	PEB	C4A-NA	-2.19	1.32	1.37
33	JC	1001	CYC	C4B-NB	-2.19	1.33	1.38
31	dB	202	PEB	C4A-NA	-2.19	1.32	1.37
31	JI	202	PEB	C1C-CHB	2.19	1.49	1.41
31	T8	202	PEB	C4B-C3B	2.19	1.49	1.45
31	MI	302	PEB	C1D-ND	2.19	1.49	1.45
31	BI	202	PEB	C4B-NB	-2.19	1.33	1.38
31	HB	1002	PEB	C4A-NA	-2.19	1.32	1.37
31	YB	202	PEB	C4A-NA	-2.19	1.32	1.37
31	IK	201	PEB	C4A-NA	-2.19	1.32	1.37
31	P1	203	PEB	C4A-NA	-2.19	1.32	1.37
31	fH	202	PEB	C4B-C3B	2.19	1.49	1.45
33	63	901	CYC	C1A-NA	-2.19	1.33	1.38
31	F4	201	PEB	OD-C4D	2.19	1.27	1.23
31	hE	203	PEB	C4B-C3B	2.19	1.49	1.45
31	Y1	301	PEB	C4A-NA	-2.19	1.32	1.37
31	i4	202	PEB	C4A-NA	-2.19	1.32	1.37
31	tF	202	PEB	C1D-ND	2.19	1.49	1.45
31	VF	201	PEB	C1A-NA	-2.18	1.34	1.37
31	K4	202	PEB	C4A-NA	-2.18	1.32	1.37
31	D6	1002	PEB	C4A-NA	-2.18	1.32	1.37
31	n8	202	PEB	C4A-NA	-2.18	1.32	1.37
31	fH	203	PEB	C4A-NA	-2.18	1.32	1.37
31	Y8	202	PEB	C4B-C3B	2.18	1.49	1.45
31	J4	202	PEB	C4A-NA	-2.18	1.32	1.37
31	W5	202	PEB	C2A-C1A	-2.18	1.50	1.52
31	L1	201	PEB	C4A-NA	-2.18	1.32	1.37
31	V5	201	PEB	C4A-NA	-2.18	1.32	1.37
31	PJ	201	PEB	C1D-ND	2.18	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	hH	203	PEB	C1C-CHB	2.18	1.49	1.41
31	OH	202	PEB	C4B-C3B	2.18	1.49	1.45
31	W2	203	PEB	C4B-C3B	2.18	1.49	1.45
31	x8	303	PEB	C4B-C3B	2.18	1.49	1.45
31	mE	201	PEB	C4A-NA	-2.18	1.32	1.37
31	UH	203	PEB	C2A-C1A	-2.18	1.50	1.52
31	YF	203	PEB	C1C-CHB	2.18	1.49	1.41
31	WF	202	PEB	C4A-NA	-2.18	1.32	1.37
31	YK	303	PEB	C4A-NA	-2.18	1.32	1.37
31	Y1	302	PEB	C4A-NA	-2.18	1.32	1.37
31	iB	201	PEB	C4A-NA	-2.18	1.32	1.37
31	iH	201	PEB	C4A-NA	-2.18	1.32	1.37
31	q8	203	PEB	C4B-C3B	2.18	1.49	1.45
33	J6	1001	CYC	C1B-C2B	2.18	1.49	1.45
31	eD	202	PEB	C2A-C1A	-2.18	1.50	1.52
31	l4	201	PEB	C1C-CHB	2.18	1.49	1.41
31	KH	202	PEB	C4A-NA	-2.18	1.32	1.37
31	Y6	202	PEB	C4A-NA	-2.18	1.32	1.37
31	M7	203	PEB	C4A-NA	-2.18	1.32	1.37
31	a8	201	PEB	C4A-NA	-2.18	1.32	1.37
31	QB	201	PEB	CHA-C4A	-2.18	1.32	1.36
31	H9	202	PEB	C4A-NA	-2.18	1.32	1.37
31	kD	202	PEB	C4A-NA	-2.18	1.32	1.37
31	jD	201	PEB	C4B-C3B	2.18	1.49	1.45
31	S6	202	PEB	C2A-C1A	-2.18	1.50	1.52
31	b2	202	PEB	C1C-CHB	2.18	1.49	1.41
31	x8	304	PEB	C1C-CHB	2.18	1.49	1.41
33	A3	1001	CYC	OB-C4B	2.18	1.27	1.23
31	NG	203	PEB	C4A-NA	-2.18	1.32	1.37
31	BI	202	PEB	C4A-NA	-2.18	1.32	1.37
31	L7	202	PEB	C4A-NA	-2.18	1.32	1.37
31	PK	202	PEB	C4B-C3B	2.18	1.49	1.45
33	FD	202	CYC	C4A-C3A	2.18	1.50	1.45
31	DD	1002	PEB	C1C-CHB	2.18	1.49	1.41
31	f2	201	PEB	C1C-CHB	2.18	1.49	1.41
31	bC	202	PEB	C1C-CHB	2.18	1.49	1.41
31	PD	201	PEB	C4A-NA	-2.18	1.32	1.37
33	EC	1001	CYC	C1D-CHD	2.18	1.49	1.41
31	PK	203	PEB	C4A-NA	-2.18	1.32	1.37
31	S4	201	PEB	C4A-NA	-2.18	1.32	1.37
31	D7	202	PEB	C4A-NA	-2.18	1.32	1.37
31	OF	201	PEB	C1C-CHB	2.18	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	xF	302	PEB	C1D-ND	2.18	1.49	1.45
33	E6	1001	CYC	C1B-C2B	2.18	1.49	1.45
31	b2	202	PEB	C4B-C3B	2.18	1.49	1.45
31	XJ	202	PEB	C1C-CHB	2.18	1.49	1.41
31	X1	201	PEB	C1C-CHB	2.18	1.49	1.41
31	vF	201	PEB	C1C-CHB	2.18	1.49	1.41
31	QH	204	PEB	C4A-NA	-2.18	1.32	1.37
31	H6	1002	PEB	C4A-NA	-2.18	1.32	1.37
33	N3	1001	CYC	OB-C4B	2.18	1.27	1.23
31	r8	202	PEB	C1B-C2B	2.18	1.50	1.45
31	DK	202	PEB	C4B-C3B	2.18	1.49	1.45
31	nF	202	PEB	C4B-C3B	2.18	1.49	1.45
31	VG	202	PEB	C4A-NA	-2.18	1.32	1.37
32	A5	303	PUB	C4B-CHB	2.18	1.49	1.41
31	GJ	201	PEB	C2A-C1A	-2.18	1.50	1.52
31	a2	201	PEB	C2A-C1A	-2.18	1.50	1.52
31	WJ	201	PEB	C1D-ND	2.18	1.49	1.45
31	A2	305	PEB	C4B-C3B	2.18	1.49	1.45
33	R3	1001	CYC	OB-C4B	2.18	1.27	1.23
31	eD	202	PEB	C1C-CHB	2.18	1.49	1.41
31	SG	201	PEB	C4A-NA	-2.18	1.32	1.37
31	I1	201	PEB	C4A-NA	-2.18	1.32	1.37
31	x8	302	PEB	C4A-NA	-2.18	1.32	1.37
31	HK	201	PEB	C1C-CHB	2.18	1.49	1.41
31	KH	202	PEB	C2A-C1A	-2.18	1.50	1.52
31	X5	203	PEB	C2A-C1A	-2.18	1.50	1.52
31	QE	201	PEB	C4A-NA	-2.18	1.32	1.37
31	D4	202	PEB	C4A-NA	-2.18	1.32	1.37
31	m4	202	PEB	C4A-NA	-2.18	1.32	1.37
31	UD	201	PEB	C4A-NA	-2.18	1.32	1.37
31	GF	203	PEB	C4A-NA	-2.18	1.32	1.37
31	MF	203	PEB	C4A-NA	-2.18	1.32	1.37
31	eF	201	PEB	C4A-NA	-2.18	1.32	1.37
31	S7	202	PEB	C1B-C2B	2.18	1.50	1.45
31	b6	201	PEB	C4A-NA	-2.17	1.32	1.37
31	c6	202	PEB	C4A-NA	-2.17	1.32	1.37
33	N6	1001	CYC	C1D-CHD	2.17	1.49	1.41
31	G5	201	PEB	C2A-C1A	-2.17	1.50	1.52
31	NG	202	PEB	C4A-NA	-2.17	1.32	1.37
31	mE	202	PEB	C1C-CHB	2.17	1.49	1.41
31	D1	202	PEB	C4B-C3B	2.17	1.49	1.45
33	LB	1001	CYC	C1A-NA	-2.17	1.33	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	W5	202	PEB	C1B-C2B	2.17	1.50	1.45
31	SH	202	PEB	C2A-C1A	-2.17	1.50	1.52
31	U5	201	PEB	C4A-NA	-2.17	1.32	1.37
31	C5	201	PEB	C4A-NA	-2.17	1.32	1.37
31	Z6	201	PEB	OD-C4D	2.17	1.27	1.23
33	l3	1001	CYC	OB-C4B	2.17	1.27	1.23
31	BF	202	PEB	C4A-NA	-2.17	1.32	1.37
31	CG	202	PEB	C4A-NA	-2.17	1.32	1.37
31	JJ	201	PEB	C1C-CHB	2.17	1.49	1.41
31	eE	202	PEB	C1C-CHB	2.17	1.49	1.41
33	BE	1002	CYC	C1D-CHD	2.17	1.49	1.41
31	JG	202	PEB	C4A-NA	-2.17	1.32	1.37
31	HJ	203	PEB	C4A-NA	-2.17	1.32	1.37
31	ZF	202	PEB	C2A-C1A	-2.17	1.50	1.52
31	fE	203	PEB	C2A-C1A	-2.17	1.50	1.52
31	Y1	301	PEB	C1D-ND	2.17	1.49	1.45
33	E3	1001	CYC	OB-C4B	2.17	1.27	1.23
31	i6	201	PEB	C4A-NA	-2.17	1.32	1.37
31	e8	201	PEB	C4A-NA	-2.17	1.32	1.37
33	NB	1001	CYC	C1D-CHD	2.17	1.49	1.41
31	iE	201	PEB	C4A-NA	-2.17	1.32	1.37
31	kC	203	PEB	C1C-CHB	2.17	1.49	1.41
33	N6	1001	CYC	C4A-C3A	2.17	1.50	1.45
31	h4	201	PEB	C4B-C3B	2.17	1.49	1.45
31	Z2	201	PEB	C1A-NA	-2.17	1.34	1.37
31	hH	201	PEB	C1C-CHB	2.17	1.49	1.41
31	L7	201	PEB	C2A-C1A	-2.17	1.50	1.52
31	AD	301	PEB	C4B-C3B	2.17	1.49	1.45
31	JI	203	PEB	C4A-NA	-2.17	1.32	1.37
31	YF	202	PEB	C4B-C3B	2.17	1.49	1.45
31	X7	201	PEB	C4B-C3B	2.17	1.49	1.45
31	gC	201	PEB	C4B-C3B	2.17	1.49	1.45
31	OG	202	PEB	C4A-NA	-2.17	1.32	1.37
31	UJ	201	PEB	C4A-NA	-2.17	1.32	1.37
31	d2	202	PEB	C1B-C2B	2.17	1.50	1.45
33	KB	1001	CYC	C1B-C2B	2.17	1.49	1.45
33	K6	1001	CYC	C1B-C2B	2.17	1.49	1.45
33	IB	1001	CYC	C4B-NB	-2.17	1.33	1.38
31	Y2	201	PEB	C4B-C3B	2.17	1.49	1.45
31	VJ	201	PEB	C4A-NA	-2.17	1.32	1.37
31	EJ	202	PEB	C1B-C2B	2.17	1.50	1.45
31	JJ	203	PEB	C1D-ND	2.17	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	Z2	202	PEB	C4B-C3B	2.17	1.49	1.45
31	g8	202	PEB	C4A-NA	-2.17	1.32	1.37
31	V2	203	PEB	C1C-CHB	2.17	1.49	1.41
31	mD	202	PEB	C1C-CHB	2.17	1.49	1.41
31	B8	202	PEB	C4A-NA	-2.17	1.32	1.37
31	l8	201	PEB	C1C-CHB	2.17	1.49	1.41
31	A1	201	PEB	C1C-CHB	2.17	1.49	1.41
31	eC	203	PEB	C4A-NA	-2.17	1.32	1.37
31	mD	201	PEB	C4A-NA	-2.17	1.32	1.37
31	UK	202	PEB	C2A-C1A	-2.17	1.50	1.52
31	YC	201	PEB	C4A-NA	-2.17	1.32	1.37
31	AF	201	PEB	C4A-NA	-2.17	1.32	1.37
31	j6	202	PEB	C4A-NA	-2.17	1.32	1.37
31	IK	201	PEB	C4B-C3B	2.17	1.49	1.45
31	HK	201	PEB	C4A-NA	-2.17	1.32	1.37
31	E4	201	PEB	C4A-NA	-2.17	1.32	1.37
33	m3	1001	CYC	OB-C4B	2.16	1.27	1.23
31	DC	1002	PEB	C4A-NA	-2.16	1.32	1.37
31	DF	203	PEB	C4A-NA	-2.16	1.32	1.37
31	VK	203	PEB	C4A-NA	-2.16	1.32	1.37
31	r8	201	PEB	C1C-CHB	2.16	1.49	1.41
31	HI	203	PEB	C4B-C3B	2.16	1.49	1.45
31	N7	202	PEB	C4A-NA	-2.16	1.32	1.37
31	VC	203	PEB	C1C-CHB	2.16	1.49	1.41
31	d4	203	PEB	C4B-C3B	2.16	1.49	1.45
31	kC	203	PEB	C4B-C3B	2.16	1.49	1.45
31	ZA	202	PEB	C4A-NA	-2.16	1.32	1.37
31	eD	203	PEB	C4A-NA	-2.16	1.32	1.37
31	e6	201	PEB	C1B-C2B	2.16	1.50	1.45
31	O9	202	PEB	C4B-C3B	2.16	1.49	1.45
31	L4	201	PEB	C4A-NA	-2.16	1.32	1.37
31	a4	202	PEB	C4A-NA	-2.16	1.32	1.37
31	U8	202	PEB	C4A-NA	-2.16	1.32	1.37
31	BK	202	PEB	C4B-C3B	2.16	1.49	1.45
33	ID	1001	CYC	C1D-CHD	2.16	1.49	1.41
31	SG	202	PEB	C4A-NA	-2.16	1.32	1.37
33	DE	1001	CYC	C1D-CHD	2.16	1.49	1.41
33	y3	1001	CYC	C1A-C2A	2.16	1.49	1.45
31	VJ	203	PEB	C4A-NA	-2.16	1.32	1.37
31	F7	202	PEB	C4A-NA	-2.16	1.32	1.37
31	A8	201	PEB	C4A-NA	-2.16	1.32	1.37
31	aH	202	PEB	C4A-NA	-2.16	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	oF	202	PEB	C1B-C2B	2.16	1.50	1.45
31	OE	203	PEB	C4A-NA	-2.16	1.32	1.37
31	G4	201	PEB	C4A-NA	-2.16	1.32	1.37
31	I4	203	PEB	C4A-NA	-2.16	1.32	1.37
31	RJ	203	PEB	C4A-NA	-2.16	1.32	1.37
31	R5	203	PEB	C4A-NA	-2.16	1.32	1.37
31	C7	202	PEB	C4A-NA	-2.16	1.32	1.37
31	IB	202	PEB	C4A-NA	-2.16	1.32	1.37
31	U5	201	PEB	C4B-C3B	2.16	1.49	1.45
33	DE	1001	CYC	C1A-C2A	2.16	1.49	1.45
31	WB	201	PEB	CHA-C4A	-2.16	1.32	1.36
33	IB	1001	CYC	C1B-NB	-2.16	1.34	1.37
33	ME	1001	CYC	C1D-CHD	2.16	1.49	1.41
31	FK	203	PEB	C4A-NA	-2.16	1.32	1.37
31	L4	202	PEB	C4A-NA	-2.16	1.32	1.37
31	D9	202	PEB	C4A-NA	-2.16	1.32	1.37
31	H5	201	PEB	C4A-NA	-2.16	1.32	1.37
31	e8	201	PEB	C1C-CHB	2.16	1.49	1.41
31	m6	202	PEB	C4B-C3B	2.16	1.49	1.45
31	j2	202	PEB	C1C-CHB	2.16	1.49	1.41
31	CH	202	PEB	C4A-NA	-2.16	1.32	1.37
31	V6	201	PEB	C4A-NA	-2.16	1.32	1.37
31	fD	201	PEB	C4A-NA	-2.16	1.32	1.37
31	iF	203	PEB	C4A-NA	-2.16	1.32	1.37
31	PK	202	PEB	C2A-C1A	-2.16	1.50	1.52
31	P1	202	PEB	C2A-C1A	-2.16	1.50	1.52
31	g4	201	PEB	C2A-C1A	-2.16	1.50	1.52
31	XJ	201	PEB	C1C-CHB	2.16	1.49	1.41
31	KH	203	PEB	C4B-NB	-2.16	1.33	1.38
31	YK	301	PEB	C4A-NA	-2.16	1.32	1.37
31	U9	202	PEB	C4A-NA	-2.16	1.32	1.37
31	OB	201	PEB	OD-C4D	2.16	1.27	1.23
31	PJ	201	PEB	C2A-C1A	-2.16	1.50	1.52
31	Y4	203	PEB	C4A-NA	-2.16	1.32	1.37
33	J2	1001	CYC	C4B-NB	-2.16	1.33	1.38
31	RD	202	PEB	C4A-NA	-2.16	1.32	1.37
31	JK	202	PEB	C1C-CHB	2.16	1.49	1.41
31	gF	202	PEB	C4A-NA	-2.16	1.32	1.37
31	QC	202	PEB	C2A-C1A	-2.16	1.50	1.52
33	G6	1001	CYC	C4B-NB	-2.16	1.33	1.38
31	GD	202	PEB	OD-C4D	2.16	1.27	1.23
31	hD	203	PEB	C4B-C3B	2.16	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	AA	501	PEB	C4A-NA	-2.16	1.32	1.37
31	P6	202	PEB	C4B-C3B	2.16	1.49	1.45
33	FD	201	CYC	C1B-NB	-2.15	1.34	1.37
33	FE	1001	CYC	C1B-NB	-2.15	1.34	1.37
31	V1	203	PEB	C4A-NA	-2.15	1.32	1.37
31	oF	203	PEB	C4B-C3B	2.15	1.49	1.45
31	SI	203	PEB	C4A-NA	-2.15	1.32	1.37
31	RG	202	PEB	C4A-NA	-2.15	1.32	1.37
33	FD	202	CYC	C4B-NB	-2.15	1.33	1.38
33	CE	1001	CYC	C4B-NB	-2.15	1.33	1.38
31	KG	201	PEB	C4D-ND	2.15	1.38	1.35
31	v8	201	PEB	C1C-CHB	2.15	1.49	1.41
31	VA	202	PEB	C4A-NA	-2.15	1.32	1.37
31	GK	202	PEB	C4A-NA	-2.15	1.32	1.37
31	bD	201	PEB	C4A-NA	-2.15	1.32	1.37
31	qF	201	PEB	C1B-C2B	2.15	1.50	1.45
33	D6	1001	CYC	C1B-NB	-2.15	1.34	1.37
31	mC	201	PEB	C4A-NA	-2.15	1.32	1.37
31	i2	201	PEB	C1B-C2B	2.15	1.50	1.45
31	O4	201	PEB	C1B-C2B	2.15	1.50	1.45
31	s8	202	PEB	C1B-C2B	2.15	1.50	1.45
31	TJ	202	PEB	C1C-CHB	2.15	1.49	1.41
31	f4	203	PEB	C1C-CHB	2.15	1.49	1.41
31	D1	201	PEB	C4A-NA	-2.15	1.32	1.37
31	d6	202	PEB	C4A-NA	-2.15	1.32	1.37
33	BD	1002	CYC	C1D-CHD	2.15	1.49	1.41
31	t8	201	PEB	C4B-C3B	2.15	1.49	1.45
31	NK	201	PEB	C4A-NA	-2.15	1.32	1.37
31	N1	201	PEB	C4A-NA	-2.15	1.32	1.37
31	d4	201	PEB	C1C-CHB	2.15	1.49	1.41
31	eF	201	PEB	C1C-CHB	2.15	1.49	1.41
33	L6	1001	CYC	C1A-NA	-2.15	1.34	1.38
33	63	901	CYC	C1D-CHD	2.15	1.49	1.41
31	D5	202	PEB	OD-C4D	2.15	1.27	1.23
33	73	1001	CYC	C4A-C3A	2.15	1.50	1.45
31	nF	202	PEB	C1D-ND	2.15	1.49	1.45
31	AB	304	PEB	C4A-NA	-2.15	1.32	1.37
31	XF	203	PEB	C4A-NA	-2.15	1.32	1.37
31	P1	202	PEB	C4B-C3B	2.15	1.49	1.45
31	Q7	203	PEB	C2A-C1A	-2.15	1.50	1.52
31	V9	202	PEB	C2A-C1A	-2.15	1.50	1.52
31	mE	203	PEB	C2A-C1A	-2.15	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	l2	201	PEB	C1C-CHB	2.15	1.49	1.41
31	I5	202	PEB	C4B-C3B	2.15	1.49	1.45
31	HG	202	PEB	C4A-NA	-2.15	1.32	1.37
33	L3	1001	CYC	C4A-C3A	2.15	1.50	1.45
31	NG	203	PEB	C2A-C1A	-2.15	1.50	1.52
31	HG	203	PEB	C4A-NA	-2.15	1.32	1.37
31	dC	202	PEB	C4A-NA	-2.15	1.32	1.37
31	lD	202	PEB	C4A-NA	-2.15	1.32	1.37
33	HD	1001	CYC	C1D-CHD	2.15	1.49	1.41
31	PG	202	PEB	C4A-NA	-2.15	1.32	1.37
31	XG	202	PEB	C4A-NA	-2.15	1.32	1.37
31	mB	201	PEB	C4A-NA	-2.15	1.32	1.37
31	K5	201	PEB	C4A-NA	-2.15	1.32	1.37
33	D3	1001	CYC	C4A-C3A	2.15	1.50	1.45
31	S1	202	PEB	C2A-C1A	-2.15	1.50	1.52
31	R9	202	PEB	C2A-C1A	-2.15	1.50	1.52
31	WJ	201	PEB	C4B-C3B	2.15	1.49	1.45
31	mB	203	PEB	C4A-NA	-2.15	1.32	1.37
33	L6	1001	CYC	C1B-C2B	2.15	1.49	1.45
31	m8	201	PEB	C2A-C1A	-2.15	1.50	1.52
31	qF	201	PEB	C1C-CHB	2.15	1.49	1.41
31	YF	201	PEB	C4A-NA	-2.15	1.32	1.37
31	AG	202	PEB	C4A-NA	-2.15	1.32	1.37
31	A7	203	PEB	C4A-NA	-2.15	1.32	1.37
31	S4	202	PEB	C1C-CHB	2.15	1.49	1.41
31	H5	203	PEB	C4A-NA	-2.15	1.32	1.37
31	u8	201	PEB	C4A-NA	-2.15	1.32	1.37
33	BE	1001	CYC	C1B-C2B	2.15	1.49	1.45
31	TB	202	PEB	C1C-CHB	2.15	1.49	1.41
31	l8	201	PEB	C2A-C1A	-2.14	1.50	1.52
33	FB	1001	CYC	C4C-NC	-2.14	1.32	1.37
32	AJ	303	PUB	C4B-CHB	2.14	1.49	1.41
33	MB	1001	CYC	C1D-CHD	2.14	1.49	1.41
33	MD	1001	CYC	C1D-CHD	2.14	1.49	1.41
31	U7	202	PEB	C4A-NA	-2.14	1.32	1.37
31	fD	202	PEB	C4A-NA	-2.14	1.32	1.37
33	DB	1001	CYC	C1B-NB	-2.14	1.34	1.37
31	jC	202	PEB	C1C-CHB	2.14	1.49	1.41
33	K6	1001	CYC	C1D-CHD	2.14	1.49	1.41
33	ED	1001	CYC	C1B-C2B	2.14	1.49	1.45
31	i4	202	PEB	C1B-C2B	2.14	1.50	1.45
31	l8	202	PEB	C2A-C1A	-2.14	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	eF	203	PEB	C2A-C1A	-2.14	1.50	1.52
31	t8	202	PEB	C1D-ND	2.14	1.49	1.45
31	DE	1002	PEB	C1C-CHB	2.14	1.49	1.41
31	Z6	201	PEB	CHA-C4A	-2.14	1.32	1.36
31	HC	1002	PEB	C1C-CHB	2.14	1.49	1.41
31	B9	202	PEB	C1C-CHB	2.14	1.49	1.41
33	I6	1001	CYC	C4B-NB	-2.14	1.33	1.38
31	D5	202	PEB	C4B-NB	-2.14	1.34	1.38
31	X8	203	PEB	C4B-C3B	2.14	1.49	1.45
31	f4	203	PEB	C4A-NA	-2.14	1.32	1.37
31	q8	201	PEB	C4B-C3B	2.14	1.49	1.45
31	MI	304	PEB	C1B-C2B	2.14	1.50	1.45
31	DK	202	PEB	C1D-ND	2.14	1.49	1.45
31	k8	203	PEB	C1D-ND	2.14	1.49	1.45
33	K6	1001	CYC	C4B-NB	-2.14	1.33	1.38
31	W6	201	PEB	CHA-C4A	-2.14	1.32	1.36
31	hD	202	PEB	C1D-ND	2.14	1.49	1.45
31	K5	202	PEB	C2A-C1A	-2.14	1.50	1.52
31	h4	202	PEB	C4A-NA	-2.14	1.32	1.37
31	OD	203	PEB	C4B-C3B	2.14	1.49	1.45
31	O2	202	PEB	C4B-C3B	2.14	1.49	1.45
31	dC	201	PEB	C4B-C3B	2.14	1.49	1.45
31	QG	201	PEB	C4A-NA	-2.14	1.32	1.37
31	b8	201	PEB	C4A-NA	-2.14	1.32	1.37
31	H9	203	PEB	C4A-NA	-2.14	1.32	1.37
31	Q2	202	PEB	C1C-CHB	2.14	1.49	1.41
31	R8	201	PEB	C1C-CHB	2.14	1.49	1.41
31	IG	203	PEB	C2C-C3C	2.14	1.44	1.37
31	ZC	202	PEB	C4B-C3B	2.14	1.49	1.45
31	J5	201	PEB	C4B-C3B	2.14	1.49	1.45
31	o8	203	PEB	C4B-C3B	2.14	1.49	1.45
31	S6	202	PEB	C4A-NA	-2.14	1.32	1.37
31	gC	201	PEB	C4A-NA	-2.14	1.32	1.37
31	HJ	202	PEB	C1C-CHB	2.14	1.49	1.41
31	gA	203	PEB	C2A-C1A	-2.14	1.50	1.52
31	Q2	202	PEB	C4A-NA	-2.14	1.32	1.37
31	W8	202	PEB	C4A-NA	-2.14	1.32	1.37
31	cH	201	PEB	C4A-NA	-2.14	1.32	1.37
31	LF	202	PEB	C4B-C3B	2.14	1.49	1.45
31	d2	201	PEB	C4B-C3B	2.14	1.49	1.45
31	O6	202	PEB	C4A-NA	-2.14	1.32	1.37
31	dD	203	PEB	C4A-NA	-2.14	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	C1	201	PEB	C4B-NB	-2.14	1.34	1.38
31	X5	201	PEB	C1C-CHB	2.14	1.49	1.41
31	f2	201	PEB	C2A-C1A	-2.14	1.50	1.52
31	QC	202	PEB	C1C-CHB	2.14	1.49	1.41
31	E5	202	PEB	C1B-C2B	2.14	1.50	1.45
31	G4	202	PEB	C4B-C3B	2.14	1.49	1.45
31	X8	203	PEB	C4A-NA	-2.14	1.32	1.37
31	cC	201	PEB	C4A-NA	-2.14	1.32	1.37
31	gD	202	PEB	C4A-NA	-2.14	1.32	1.37
33	I6	1001	CYC	C1B-C2B	2.14	1.49	1.45
31	LA	201	PEB	C4A-NA	-2.14	1.32	1.37
31	aB	203	PEB	C4A-NA	-2.14	1.32	1.37
31	dC	203	PEB	C4B-C3B	2.14	1.49	1.45
31	m4	201	PEB	C1B-C2B	2.14	1.50	1.45
31	lE	202	PEB	C1D-ND	2.14	1.49	1.45
31	RB	202	PEB	C4B-C3B	2.14	1.49	1.45
31	V5	203	PEB	C4B-C3B	2.14	1.49	1.45
31	DJ	202	PEB	C4B-NB	-2.14	1.34	1.38
31	p8	201	PEB	C2A-C1A	-2.14	1.50	1.52
31	qF	202	PEB	C1B-C2B	2.14	1.50	1.45
31	CK	201	PEB	C1B-C2B	2.14	1.50	1.45
31	W5	201	PEB	C1D-ND	2.14	1.49	1.45
31	m2	202	PEB	C1C-CHB	2.14	1.49	1.41
31	fC	201	PEB	C1C-CHB	2.14	1.49	1.41
31	CJ	201	PEB	C4A-NA	-2.14	1.32	1.37
31	e1	301	PEB	C4A-NA	-2.14	1.32	1.37
31	fH	203	PEB	C4B-C3B	2.14	1.49	1.45
33	J6	1001	CYC	C1A-NA	-2.14	1.34	1.38
31	ZB	201	PEB	CHA-C4A	-2.14	1.32	1.36
31	VK	203	PEB	C1C-CHB	2.14	1.49	1.41
31	J2	1002	PEB	C2A-C1A	-2.14	1.50	1.52
31	X9	202	PEB	C2A-C1A	-2.14	1.50	1.52
31	WG	203	PEB	C4A-NA	-2.14	1.32	1.37
31	I7	203	PEB	C4A-NA	-2.14	1.32	1.37
31	f8	201	PEB	C1C-CHB	2.14	1.49	1.41
31	J1	202	PEB	C1C-CHB	2.14	1.49	1.41
31	h2	202	PEB	C1D-ND	2.14	1.49	1.45
31	X1	203	PEB	C4B-C3B	2.14	1.49	1.45
31	L6	1002	PEB	C4A-NA	-2.13	1.32	1.37
33	NC	1001	CYC	C4D-CHA	2.13	1.49	1.41
31	P2	201	PEB	C4A-NA	-2.13	1.32	1.37
31	iF	202	PEB	C4A-NA	-2.13	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	X8	202	PEB	C4B-C3B	2.13	1.49	1.45
31	gA	201	PEB	C4B-C3B	2.13	1.49	1.45
31	cB	202	PEB	C4B-C3B	2.13	1.49	1.45
31	D4	201	PEB	C1B-C2B	2.13	1.50	1.45
33	CC	1001	CYC	C4A-C3A	2.13	1.50	1.45
31	J8	201	PEB	C1C-CHB	2.13	1.49	1.41
33	DD	1001	CYC	C1D-CHD	2.13	1.49	1.41
31	U4	201	PEB	C4A-NA	-2.13	1.32	1.37
31	bB	201	PEB	C4A-NA	-2.13	1.32	1.37
33	JB	1001	CYC	C1A-NA	-2.13	1.34	1.38
31	H5	202	PEB	C1C-CHB	2.13	1.49	1.41
31	O5	202	PEB	C1D-ND	2.13	1.49	1.45
31	F5	201	PEB	C1B-C2B	2.13	1.50	1.45
31	Q2	202	PEB	C2A-C1A	-2.13	1.50	1.52
31	dC	202	PEB	C1B-C2B	2.13	1.50	1.45
31	lF	201	PEB	C1D-ND	2.13	1.49	1.45
31	aB	203	PEB	C1C-CHB	2.13	1.49	1.41
31	dD	204	PEB	C1C-CHB	2.13	1.49	1.41
31	OI	201	PEB	C4A-NA	-2.13	1.32	1.37
31	WK	202	PEB	C4A-NA	-2.13	1.32	1.37
33	D2	1001	CYC	C1B-NB	-2.13	1.34	1.37
31	T5	202	PEB	C1C-CHB	2.13	1.49	1.41
31	Y8	202	PEB	C1C-CHB	2.13	1.49	1.41
31	WD	203	PEB	C2A-C1A	-2.13	1.50	1.52
31	P4	201	PEB	C4A-NA	-2.13	1.32	1.37
31	l4	202	PEB	C4A-NA	-2.13	1.32	1.37
31	cA	402	PEB	C4A-NA	-2.13	1.32	1.37
31	OE	203	PEB	C4B-C3B	2.13	1.49	1.45
31	iD	202	PEB	C4B-C3B	2.13	1.49	1.45
31	mC	202	PEB	C1C-CHB	2.13	1.49	1.41
31	UB	202	PEB	C4A-NA	-2.13	1.32	1.37
31	cA	401	PEB	C4A-NA	-2.13	1.32	1.37
33	D2	1003	CYC	C4C-NC	-2.13	1.32	1.37
31	YJ	202	PEB	C4B-C3B	2.13	1.49	1.45
33	W3	1001	CYC	C1A-C2A	2.13	1.49	1.45
33	O3	1001	CYC	C4A-C3A	2.13	1.50	1.45
33	EE	1001	CYC	C1B-C2B	2.13	1.48	1.45
31	OF	201	PEB	C4A-NA	-2.13	1.32	1.37
31	BK	201	PEB	C4A-NA	-2.13	1.32	1.37
31	A6	304	PEB	C4A-NA	-2.13	1.32	1.37
31	XK	201	PEB	C1C-CHB	2.13	1.49	1.41
32	AD	302	PUB	C4B-CHB	2.13	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	ZB	201	PEB	C1B-C2B	2.13	1.50	1.45
31	S6	201	PEB	C1B-C2B	2.13	1.50	1.45
33	B3	1001	CYC	C4A-C3A	2.13	1.50	1.45
31	AE	301	PEB	C4B-C3B	2.13	1.49	1.45
31	i8	201	PEB	C4A-NA	-2.13	1.32	1.37
31	dH	201	PEB	C1C-CHB	2.13	1.49	1.41
31	UA	302	PEB	C4A-NA	-2.13	1.32	1.37
31	mE	203	PEB	C4A-NA	-2.13	1.32	1.37
31	WJ	202	PEB	C1B-C2B	2.13	1.50	1.45
31	S5	202	PEB	C2A-C1A	-2.13	1.50	1.52
31	s8	202	PEB	C2A-C1A	-2.13	1.50	1.52
31	aB	203	PEB	O1B-CGB	2.13	1.29	1.22
31	PC	201	PEB	C4A-NA	-2.13	1.32	1.37
31	E7	203	PEB	C4A-NA	-2.13	1.32	1.37
31	ZI	303	PEB	C1B-C2B	2.13	1.50	1.45
31	cB	201	PEB	C2A-C1A	-2.13	1.50	1.52
31	RE	202	PEB	C4A-NA	-2.13	1.32	1.37
31	eB	201	PEB	C1B-C2B	2.13	1.50	1.45
31	H1	201	PEB	C1C-CHB	2.13	1.49	1.41
31	UI	203	PEB	C4B-C3B	2.13	1.49	1.45
31	I1	201	PEB	C1D-ND	2.13	1.48	1.45
31	DK	201	PEB	C4A-NA	-2.13	1.32	1.37
31	G8	203	PEB	C4A-NA	-2.13	1.32	1.37
31	aF	201	PEB	C4A-NA	-2.13	1.32	1.37
31	T6	202	PEB	C1C-CHB	2.13	1.49	1.41
31	O5	202	PEB	C4B-C3B	2.13	1.49	1.45
31	mE	202	PEB	C2A-C1A	-2.13	1.50	1.52
32	x8	301	PUB	C1C-NC	-2.13	1.34	1.38
31	G7	201	PEB	C4A-NA	-2.13	1.32	1.37
31	kF	203	PEB	C1C-CHB	2.13	1.49	1.41
33	DC	1003	CYC	C1D-CHD	2.13	1.49	1.41
31	cE	202	PEB	C4B-C3B	2.13	1.49	1.45
31	kF	203	PEB	C4B-C3B	2.13	1.49	1.45
31	UH	203	PEB	C4A-NA	-2.13	1.32	1.37
31	M1	202	PEB	C4A-NA	-2.13	1.32	1.37
31	M7	202	PEB	C4A-NA	-2.13	1.32	1.37
31	i8	202	PEB	C4A-NA	-2.13	1.32	1.37
31	ZC	203	PEB	C2A-C1A	-2.13	1.50	1.52
31	SI	202	PEB	C2A-C1A	-2.13	1.50	1.52
31	Q8	202	PEB	C1C-CHB	2.13	1.49	1.41
31	IK	202	PEB	C1D-ND	2.13	1.48	1.45
31	I1	202	PEB	C1D-ND	2.13	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	OB	202	PEB	C4A-NA	-2.13	1.32	1.37
31	UI	204	PEB	C4A-NA	-2.13	1.32	1.37
31	Q7	202	PEB	C4A-NA	-2.13	1.32	1.37
31	lE	202	PEB	C4A-NA	-2.13	1.32	1.37
33	L2	1001	CYC	C1B-NB	-2.13	1.34	1.37
31	VJ	203	PEB	C4B-C3B	2.13	1.49	1.45
31	jD	201	PEB	C1C-CHB	2.13	1.49	1.41
31	h4	201	PEB	C1C-CHB	2.13	1.49	1.41
31	a6	203	PEB	C1C-CHB	2.13	1.49	1.41
31	rF	201	PEB	C1C-CHB	2.13	1.49	1.41
31	ZF	201	PEB	C2A-C1A	-2.13	1.50	1.52
31	L9	201	PEB	C2A-C1A	-2.13	1.50	1.52
31	H1	201	PEB	C4A-NA	-2.13	1.32	1.37
31	k8	201	PEB	C4A-NA	-2.13	1.32	1.37
33	U3	1001	CYC	C4A-C3A	2.13	1.50	1.45
33	FC	1001	CYC	C4B-NB	-2.13	1.33	1.38
31	V5	203	PEB	C4A-NA	-2.12	1.32	1.37
31	g6	203	PEB	C4A-NA	-2.12	1.32	1.37
31	w8	303	PEB	C4A-NA	-2.12	1.32	1.37
31	fE	201	PEB	C4A-NA	-2.12	1.32	1.37
31	oF	201	PEB	C1B-C2B	2.12	1.50	1.45
31	E4	203	PEB	C2A-C1A	-2.12	1.50	1.52
31	RF	202	PEB	C4B-C3B	2.12	1.49	1.45
31	tF	201	PEB	C1C-CHB	2.12	1.49	1.41
31	LK	201	PEB	C4A-NA	-2.12	1.32	1.37
31	j4	203	PEB	C4A-NA	-2.12	1.32	1.37
31	OJ	201	PEB	C2A-C1A	-2.12	1.50	1.52
31	YK	301	PEB	C2A-C1A	-2.12	1.50	1.52
31	I4	202	PEB	C1B-C2B	2.12	1.50	1.45
31	jH	201	PEB	C4A-NA	-2.12	1.32	1.37
31	k8	202	PEB	C1D-ND	2.12	1.48	1.45
31	A4	301	PEB	C4A-NA	-2.12	1.32	1.37
31	HD	1002	PEB	C1C-CHB	2.12	1.49	1.41
31	AK	201	PEB	C1C-CHB	2.12	1.49	1.41
31	F7	201	PEB	C1C-CHB	2.12	1.49	1.41
31	d4	201	PEB	C4A-NA	-2.12	1.32	1.37
31	SB	201	PEB	C2A-C1A	-2.12	1.50	1.52
31	YI	202	PEB	C1C-CHB	2.12	1.49	1.41
31	c8	203	PEB	C1C-CHB	2.12	1.49	1.41
31	LK	202	PEB	C4B-C3B	2.12	1.49	1.45
33	o3	1001	CYC	C4A-C3A	2.12	1.50	1.45
31	GG	203	PEB	C4A-NA	-2.12	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	g4	201	PEB	C4A-NA	-2.12	1.32	1.37
31	SI	203	PEB	C2A-C1A	-2.12	1.50	1.52
31	h4	203	PEB	C2A-C1A	-2.12	1.50	1.52
31	b6	202	PEB	C2A-C1A	-2.12	1.50	1.52
33	M3	1001	CYC	C4A-C3A	2.12	1.50	1.45
31	mD	201	PEB	C4B-C3B	2.12	1.49	1.45
31	QF	201	PEB	C4A-NA	-2.12	1.32	1.37
31	G5	201	PEB	C4A-NA	-2.12	1.32	1.37
31	jB	202	PEB	C4A-NA	-2.12	1.32	1.37
31	aH	203	PEB	C4A-NA	-2.12	1.32	1.37
31	FA	201	PEB	C1C-CHB	2.12	1.49	1.41
31	WJ	201	PEB	C1B-C2B	2.12	1.50	1.45
31	OI	201	PEB	C2A-C1A	-2.12	1.50	1.52
31	w8	301	PEB	C2A-C1A	-2.12	1.50	1.52
31	O4	202	PEB	C4A-NA	-2.12	1.32	1.37
31	U9	203	PEB	C4A-NA	-2.12	1.32	1.37
31	jD	202	PEB	C4A-NA	-2.12	1.32	1.37
32	AE	302	PUB	C4B-CHB	2.12	1.49	1.41
31	BG	202	PEB	C4A-NA	-2.12	1.32	1.37
31	TH	202	PEB	C4A-NA	-2.12	1.32	1.37
31	ID	203	PEB	C4A-NA	-2.12	1.32	1.37
31	kE	202	PEB	C4A-NA	-2.12	1.32	1.37
31	G7	201	PEB	OD-C4D	2.12	1.27	1.23
31	e6	203	PEB	C4B-C3B	2.12	1.49	1.45
31	ZF	202	PEB	C4A-NA	-2.12	1.32	1.37
31	hD	202	PEB	C4A-NA	-2.12	1.32	1.37
31	V1	202	PEB	C2A-C1A	-2.12	1.50	1.52
33	F6	1001	CYC	C1B-NB	-2.12	1.34	1.37
31	MF	203	PEB	C1C-CHB	2.12	1.49	1.41
31	A8	202	PEB	C4A-NA	-2.12	1.32	1.37
32	Z9	304	PUB	C4C-NC	2.12	1.38	1.35
32	AD	302	PUB	C1C-NC	-2.12	1.34	1.38
33	t3	1001	CYC	C4C-NC	-2.12	1.32	1.37
31	GG	201	PEB	C2A-C1A	-2.12	1.50	1.52
31	cB	202	PEB	C2A-C1A	-2.12	1.50	1.52
31	WD	202	PEB	C1B-C2B	2.12	1.50	1.45
33	f3	1001	CYC	C4A-C3A	2.12	1.50	1.45
31	W8	203	PEB	C4A-NA	-2.12	1.32	1.37
31	l8	201	PEB	C1D-ND	2.12	1.48	1.45
31	OG	201	PEB	C1C-CHB	2.12	1.49	1.41
33	LD	1001	CYC	OB-C4B	2.12	1.27	1.23
31	WE	201	PEB	C1B-C2B	2.12	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	J5	202	PEB	C4B-C3B	2.12	1.49	1.45
31	V5	202	PEB	C4B-C3B	2.12	1.49	1.45
31	AH	301	PEB	C4A-NA	-2.12	1.32	1.37
31	V8	202	PEB	C4A-NA	-2.12	1.32	1.37
33	P3	1001	CYC	C4C-NC	-2.12	1.32	1.37
33	i3	1001	CYC	C4C-NC	-2.12	1.32	1.37
31	P2	202	PEB	C4B-C3B	2.12	1.49	1.45
33	k3	1001	CYC	C4A-C3A	2.12	1.50	1.45
31	KA	303	PEB	C4A-NA	-2.12	1.32	1.37
31	YK	302	PEB	C4A-NA	-2.12	1.32	1.37
31	G1	202	PEB	C4A-NA	-2.12	1.32	1.37
31	ZI	304	PEB	C4A-NA	-2.12	1.32	1.37
31	Q7	203	PEB	C4A-NA	-2.12	1.32	1.37
31	I9	201	PEB	C1B-C2B	2.12	1.50	1.45
31	Q8	202	PEB	C1D-ND	2.12	1.48	1.45
31	dD	204	PEB	C1D-ND	2.12	1.48	1.45
33	GB	1001	CYC	C4B-NB	-2.11	1.33	1.38
31	q8	202	PEB	C1B-C2B	2.11	1.50	1.45
31	EK	202	PEB	C2A-C1A	-2.11	1.50	1.52
31	EF	201	PEB	C4A-NA	-2.11	1.32	1.37
31	U7	203	PEB	C4A-NA	-2.11	1.32	1.37
32	M9	304	PUB	C4C-NC	2.11	1.38	1.35
31	qF	201	PEB	C4B-C3B	2.11	1.49	1.45
31	IF	201	PEB	CBC-CGC	2.11	1.55	1.50
31	aF	203	PEB	C4A-NA	-2.11	1.32	1.37
31	H2	1002	PEB	C1C-CHB	2.11	1.49	1.41
31	PF	201	PEB	C1A-NA	-2.11	1.34	1.37
31	Y1	302	PEB	C4B-C3B	2.11	1.49	1.45
31	EH	203	PEB	C4A-NA	-2.11	1.32	1.37
31	kF	201	PEB	C4A-NA	-2.11	1.32	1.37
33	h3	1001	CYC	C4A-C3A	2.11	1.50	1.45
31	hH	201	PEB	C4A-NA	-2.11	1.32	1.37
31	HE	1002	PEB	C1C-CHB	2.11	1.49	1.41
33	n3	1001	CYC	C4A-C3A	2.11	1.50	1.45
31	ZB	201	PEB	OD-C4D	2.11	1.27	1.23
33	HD	1001	CYC	OB-C4B	2.11	1.27	1.23
31	dE	203	PEB	C4A-NA	-2.11	1.32	1.37
31	lF	202	PEB	C1D-ND	2.11	1.48	1.45
31	C9	202	PEB	C2A-C1A	-2.11	1.50	1.52
31	W1	201	PEB	OD-C4D	2.11	1.27	1.23
31	O8	201	PEB	C4A-NA	-2.11	1.32	1.37
31	CF	203	PEB	C4A-NA	-2.11	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	DC	1001	CYC	C4D-CHA	2.11	1.49	1.41
31	E9	202	PEB	C2A-C1A	-2.11	1.50	1.52
31	gA	202	PEB	C4A-NA	-2.11	1.32	1.37
31	tF	201	PEB	C4B-C3B	2.11	1.49	1.45
31	FK	202	PEB	C1C-CHB	2.11	1.49	1.41
33	S3	1001	CYC	C4A-C3A	2.11	1.50	1.45
33	j3	1001	CYC	C4A-C3A	2.11	1.50	1.45
33	w3	1001	CYC	C4A-C3A	2.11	1.50	1.45
31	JF	201	PEB	C1C-CHB	2.11	1.49	1.41
31	V1	203	PEB	C1C-CHB	2.11	1.49	1.41
31	HE	1002	PEB	C4A-NA	-2.11	1.32	1.37
31	ZF	201	PEB	C4A-NA	-2.11	1.32	1.37
31	W2	201	PEB	C4A-NA	-2.11	1.32	1.37
33	c3	1001	CYC	C4C-NC	-2.11	1.32	1.37
31	GK	202	PEB	C2A-C1A	-2.11	1.50	1.52
31	A9	202	PEB	C2A-C1A	-2.11	1.50	1.52
31	A8	202	PEB	C1C-CHB	2.11	1.49	1.41
31	bC	201	PEB	C1C-CHB	2.11	1.49	1.41
31	j4	201	PEB	C4A-NA	-2.11	1.32	1.37
31	dD	201	PEB	C4A-NA	-2.11	1.32	1.37
31	fE	202	PEB	C4B-C3B	2.11	1.49	1.45
31	hE	202	PEB	C1D-ND	2.11	1.48	1.45
31	JJ	201	PEB	C2A-C1A	-2.11	1.50	1.52
31	H5	203	PEB	C2A-C1A	-2.11	1.50	1.52
31	O9	203	PEB	C2A-C1A	-2.11	1.50	1.52
31	AH	302	PEB	C4A-NA	-2.11	1.32	1.37
31	cD	201	PEB	C4A-NA	-2.11	1.32	1.37
31	cE	201	PEB	C4A-NA	-2.11	1.32	1.37
31	YC	201	PEB	C4B-C3B	2.11	1.49	1.45
31	f4	201	PEB	C4A-NA	-2.11	1.32	1.37
31	jC	203	PEB	C4A-NA	-2.11	1.32	1.37
31	M8	203	PEB	C1B-C2B	2.11	1.50	1.45
31	PF	202	PEB	C4B-C3B	2.11	1.49	1.45
31	lE	203	PEB	C4B-C3B	2.11	1.49	1.45
31	fF	201	PEB	C1C-CHB	2.11	1.49	1.41
31	LB	1002	PEB	C4A-NA	-2.11	1.32	1.37
31	WF	203	PEB	C4A-NA	-2.11	1.32	1.37
31	dD	204	PEB	C4B-C3B	2.11	1.49	1.45
31	eD	201	PEB	C4B-C3B	2.11	1.49	1.45
31	dE	204	PEB	C4B-C3B	2.11	1.49	1.45
31	lF	201	PEB	C2A-C1A	-2.11	1.50	1.52
31	CF	203	PEB	C4B-C3B	2.11	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	xF	301	PUB	C1C-NC	-2.11	1.34	1.38
31	UA	304	PEB	C1C-CHB	2.11	1.49	1.41
31	l8	203	PEB	C4A-NA	-2.11	1.32	1.37
31	F1	202	PEB	C1C-CHB	2.11	1.49	1.41
31	fA	301	PEB	C1C-CHB	2.11	1.49	1.41
31	ZG	401	PEB	C4A-NA	-2.11	1.32	1.37
31	SH	203	PEB	C4A-NA	-2.11	1.32	1.37
31	OC	201	PEB	C1D-ND	2.11	1.48	1.45
31	T8	202	PEB	C1D-ND	2.11	1.48	1.45
31	jC	203	PEB	C2A-C1A	-2.11	1.50	1.52
31	Q5	202	PEB	C4A-NA	-2.11	1.32	1.37
31	xF	304	PEB	C1C-CHB	2.11	1.49	1.41
31	NC	1002	PEB	C4A-NA	-2.10	1.32	1.37
31	Z9	301	PEB	C4A-NA	-2.10	1.32	1.37
31	UA	301	PEB	OD-C4D	2.10	1.27	1.23
31	I9	202	PEB	C2A-C1A	-2.10	1.50	1.52
31	mB	202	PEB	C4A-NA	-2.10	1.32	1.37
33	e3	1001	CYC	C4C-NC	-2.10	1.32	1.37
31	a6	203	PEB	O1B-CGB	2.10	1.29	1.22
31	Z8	201	PEB	C4A-NA	-2.10	1.32	1.37
31	V8	201	PEB	C1C-CHB	2.10	1.49	1.41
31	f4	202	PEB	C4B-C3B	2.10	1.49	1.45
31	Q5	202	PEB	C4B-C3B	2.10	1.49	1.45
31	Q1	201	PEB	C1B-C2B	2.10	1.50	1.45
31	k4	201	PEB	C4A-NA	-2.10	1.32	1.37
33	r3	1001	CYC	C4C-NC	-2.10	1.32	1.37
31	N9	202	PEB	C2A-C1A	-2.10	1.50	1.52
31	YF	202	PEB	C1C-CHB	2.10	1.49	1.41
31	hA	301	PEB	C1C-CHB	2.10	1.49	1.41
31	U2	203	PEB	C4A-NA	-2.10	1.32	1.37
31	aH	201	PEB	C4A-NA	-2.10	1.32	1.37
31	cE	201	PEB	C4B-C3B	2.10	1.49	1.45
31	eD	201	PEB	C2A-C1A	-2.10	1.50	1.52
33	I3	1001	CYC	C4A-C3A	2.10	1.50	1.45
31	GH	202	PEB	C4A-NA	-2.10	1.32	1.37
31	S7	201	PEB	C4A-NA	-2.10	1.32	1.37
31	RF	201	PEB	C4B-C3B	2.10	1.49	1.45
31	bB	202	PEB	C4B-C3B	2.10	1.49	1.45
31	GA	202	PEB	C4A-NA	-2.10	1.32	1.37
31	tF	202	PEB	C4A-NA	-2.10	1.32	1.37
31	Q9	202	PEB	C4A-NA	-2.10	1.32	1.37
31	TG	201	PEB	C2A-C1A	-2.10	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	WJ	202	PEB	C2A-C1A	-2.10	1.50	1.52
31	AK	202	PEB	C2A-C1A	-2.10	1.50	1.52
31	t8	201	PEB	C1C-CHB	2.10	1.49	1.41
31	VC	202	PEB	C1B-C2B	2.10	1.50	1.45
31	d2	202	PEB	C4A-NA	-2.10	1.32	1.37
31	Q8	201	PEB	C4A-NA	-2.10	1.32	1.37
31	o8	201	PEB	C1B-C2B	2.10	1.50	1.45
31	AF	202	PEB	C4A-NA	-2.10	1.32	1.37
31	N4	202	PEB	C1B-C2B	2.10	1.50	1.45
31	dH	201	PEB	C4B-C3B	2.10	1.49	1.45
31	RF	201	PEB	C1C-CHB	2.10	1.49	1.41
31	AC	305	PEB	C4A-NA	-2.10	1.32	1.37
31	k2	201	PEB	C4A-NA	-2.10	1.32	1.37
31	Q7	202	PEB	C1D-ND	2.10	1.48	1.45
31	dD	204	PEB	C4A-NA	-2.10	1.32	1.37
31	dE	204	PEB	C4A-NA	-2.10	1.32	1.37
31	U4	201	PEB	C1C-CHB	2.10	1.49	1.41
31	uF	203	PEB	C4B-C3B	2.10	1.49	1.45
31	IG	203	PEB	C1D-ND	2.10	1.48	1.45
31	UI	203	PEB	C1C-CHB	2.10	1.49	1.41
31	F1	203	PEB	C1C-CHB	2.10	1.49	1.41
31	B1	201	PEB	C4A-NA	-2.10	1.32	1.37
31	b2	203	PEB	C1C-CHB	2.10	1.49	1.41
31	n8	202	PEB	C1D-ND	2.10	1.48	1.45
31	hF	201	PEB	C1B-C2B	2.10	1.50	1.45
33	LB	1001	CYC	C1B-C2B	2.10	1.48	1.45
31	IK	202	PEB	C4A-NA	-2.10	1.32	1.37
31	a4	203	PEB	C4A-NA	-2.10	1.32	1.37
31	l4	203	PEB	C4A-NA	-2.10	1.32	1.37
31	mF	201	PEB	C4A-NA	-2.10	1.32	1.37
31	a4	201	PEB	C2A-C1A	-2.10	1.50	1.52
31	F5	202	PEB	C2A-C1A	-2.10	1.50	1.52
31	h6	202	PEB	C2A-C1A	-2.10	1.50	1.52
31	jH	203	PEB	C1C-CHB	2.10	1.49	1.41
31	G7	203	PEB	C4B-C3B	2.10	1.49	1.45
31	hH	202	PEB	C4B-C3B	2.10	1.49	1.45
31	M9	301	PEB	C4A-NA	-2.10	1.32	1.37
31	IA	202	PEB	C4B-C3B	2.10	1.49	1.45
31	HI	203	PEB	C2A-C1A	-2.10	1.50	1.52
31	mF	201	PEB	C2A-C1A	-2.10	1.50	1.52
31	MA	201	PEB	OD-C4D	2.10	1.27	1.23
31	m6	203	PEB	C1C-CHB	2.10	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	S5	201	PEB	C4A-NA	-2.10	1.32	1.37
31	IF	203	PEB	C4B-NB	-2.10	1.34	1.38
31	G9	201	PEB	C1B-C2B	2.10	1.50	1.45
31	VF	202	PEB	C4A-NA	-2.10	1.32	1.37
31	b2	201	PEB	C1C-CHB	2.10	1.49	1.41
33	CB	1001	CYC	C1B-C2B	2.10	1.48	1.45
33	u3	1001	CYC	C4A-C3A	2.10	1.50	1.45
31	sF	202	PEB	C2A-C1A	-2.10	1.50	1.52
31	LD	1002	PEB	C4A-NA	-2.10	1.32	1.37
31	HJ	201	PEB	C4B-C3B	2.10	1.49	1.45
31	q8	203	PEB	C1B-C2B	2.10	1.50	1.45
31	UC	203	PEB	C4B-C3B	2.09	1.49	1.45
31	VJ	202	PEB	C4B-C3B	2.09	1.49	1.45
31	B1	202	PEB	C4B-C3B	2.09	1.49	1.45
31	lE	201	PEB	C1C-CHB	2.09	1.49	1.41
33	MD	1001	CYC	C1B-C2B	2.09	1.48	1.45
31	R5	203	PEB	C4B-NB	-2.09	1.34	1.38
31	E8	201	PEB	C4A-NA	-2.09	1.32	1.37
33	D2	1003	CYC	C1D-CHD	2.09	1.49	1.41
31	QE	203	PEB	C4A-NA	-2.09	1.32	1.37
31	L9	202	PEB	C4A-NA	-2.09	1.32	1.37
33	J3	1001	CYC	C4C-NC	-2.09	1.32	1.37
33	H3	1001	CYC	C4A-C3A	2.09	1.50	1.45
31	X9	201	PEB	C1B-C2B	2.09	1.50	1.45
31	YH	203	PEB	C2A-C1A	-2.09	1.50	1.52
31	SJ	202	PEB	C2A-C1A	-2.09	1.50	1.52
31	Q1	201	PEB	C4B-NB	-2.09	1.34	1.38
31	V5	202	PEB	C1C-CHB	2.09	1.49	1.41
31	XJ	203	PEB	C4B-C3B	2.09	1.49	1.45
31	X5	203	PEB	C4B-C3B	2.09	1.49	1.45
31	fC	202	PEB	C4A-NA	-2.09	1.33	1.37
31	l6	202	PEB	C1C-CHB	2.09	1.49	1.41
31	P5	201	PEB	C1D-ND	2.09	1.48	1.45
31	OC	203	PEB	C1C-CHB	2.09	1.49	1.41
31	g6	202	PEB	C1C-CHB	2.09	1.49	1.41
31	M8	203	PEB	C1C-CHB	2.09	1.49	1.41
31	Q7	202	PEB	C4B-C3B	2.09	1.49	1.45
31	G4	202	PEB	C2A-C1A	-2.09	1.50	1.52
31	g2	201	PEB	C4A-NA	-2.09	1.33	1.37
31	E4	203	PEB	C4A-NA	-2.09	1.33	1.37
31	fH	202	PEB	C4A-NA	-2.09	1.33	1.37
33	v3	1001	CYC	C4C-NC	-2.09	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	jD	201	PEB	C1D-ND	2.09	1.48	1.45
31	QD	203	PEB	C4A-NA	-2.09	1.33	1.37
31	OG	201	PEB	C4A-NA	-2.09	1.33	1.37
31	lE	203	PEB	C4A-NA	-2.09	1.33	1.37
31	SF	202	PEB	O1C-CGC	2.09	1.29	1.22
31	k4	202	PEB	C4A-NA	-2.09	1.33	1.37
31	pF	201	PEB	C2A-C1A	-2.09	1.50	1.52
31	T9	201	PEB	C1B-C2B	2.09	1.50	1.45
31	jE	201	PEB	C1C-CHB	2.09	1.49	1.41
31	cF	203	PEB	C1C-CHB	2.09	1.49	1.41
31	SE	201	PEB	C4A-NA	-2.09	1.33	1.37
31	MI	305	PEB	C4A-NA	-2.09	1.33	1.37
31	c2	201	PEB	C4A-NA	-2.09	1.33	1.37
31	NF	201	PEB	C1C-CHB	2.09	1.49	1.41
31	k2	202	PEB	C4B-C3B	2.09	1.49	1.45
31	p8	202	PEB	C1B-C2B	2.09	1.50	1.45
33	d3	1001	CYC	C4A-C3A	2.09	1.50	1.45
33	HD	1001	CYC	C1B-C2B	2.09	1.48	1.45
33	HE	1001	CYC	C1B-C2B	2.09	1.48	1.45
31	QK	201	PEB	C4B-NB	-2.09	1.34	1.38
31	l4	201	PEB	C4A-NA	-2.09	1.33	1.37
31	RJ	202	PEB	C1C-CHB	2.09	1.49	1.41
31	jC	201	PEB	C1B-C2B	2.09	1.50	1.45
31	d2	203	PEB	C4B-C3B	2.09	1.49	1.45
31	LF	201	PEB	C1A-NA	-2.09	1.34	1.37
31	YB	203	PEB	C1C-CHB	2.09	1.49	1.41
31	WG	201	PEB	C1C-CHB	2.09	1.49	1.41
31	NJ	202	PEB	C1C-CHB	2.09	1.49	1.41
33	D2	1001	CYC	C4D-CHA	2.09	1.49	1.41
31	L1	203	PEB	C4A-NA	-2.09	1.33	1.37
31	a4	201	PEB	C4A-NA	-2.09	1.33	1.37
31	Y5	202	PEB	C4A-NA	-2.09	1.33	1.37
33	M6	1001	CYC	C1B-NB	-2.09	1.34	1.37
31	lH	202	PEB	C1B-C2B	2.09	1.50	1.45
33	N2	1001	CYC	C4B-NB	-2.09	1.33	1.38
31	XF	202	PEB	C4B-C3B	2.09	1.49	1.45
31	Z6	202	PEB	C4A-NA	-2.09	1.33	1.37
33	C2	1001	CYC	C4C-NC	-2.09	1.33	1.37
33	JB	1001	CYC	C1B-C2B	2.09	1.48	1.45
31	C9	201	PEB	C1B-C2B	2.09	1.50	1.45
31	Q5	202	PEB	C1D-ND	2.09	1.48	1.45
31	kF	202	PEB	C1D-ND	2.09	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	rF	202	PEB	C1D-ND	2.09	1.48	1.45
31	dE	201	PEB	C4A-NA	-2.09	1.33	1.37
31	uF	203	PEB	C1B-C2B	2.09	1.50	1.45
33	F3	1001	CYC	C4A-C3A	2.09	1.50	1.45
31	dD	201	PEB	C2A-C1A	-2.09	1.50	1.52
31	X5	201	PEB	C4B-C3B	2.09	1.49	1.45
31	PB	202	PEB	C4B-C3B	2.08	1.49	1.45
31	J6	1002	PEB	C4B-C3B	2.08	1.49	1.45
31	I1	202	PEB	C4A-NA	-2.08	1.33	1.37
31	j2	201	PEB	C1B-C2B	2.08	1.50	1.45
31	QJ	201	PEB	C1C-CHB	2.08	1.49	1.41
31	M8	202	PEB	C1C-CHB	2.08	1.49	1.41
31	jF	201	PEB	C4B-C3B	2.08	1.49	1.45
31	JC	1002	PEB	C4A-NA	-2.08	1.33	1.37
33	m3	1001	CYC	C4C-NC	-2.08	1.33	1.37
31	q8	201	PEB	C1C-CHB	2.08	1.49	1.41
33	C3	1001	CYC	C4C-NC	-2.08	1.33	1.37
31	QK	201	PEB	C1B-C2B	2.08	1.50	1.45
31	i4	201	PEB	C4B-C3B	2.08	1.49	1.45
31	E1	202	PEB	C2A-C1A	-2.08	1.50	1.52
31	Y1	301	PEB	C2A-C1A	-2.08	1.50	1.52
31	G9	202	PEB	C2A-C1A	-2.08	1.50	1.52
31	d2	203	PEB	C1C-CHB	2.08	1.49	1.41
31	EK	202	PEB	C4A-NA	-2.08	1.33	1.37
31	i8	203	PEB	C4A-NA	-2.08	1.33	1.37
31	SA	202	PEB	C4B-C3B	2.08	1.49	1.45
31	gH	202	PEB	C4A-NA	-2.08	1.33	1.37
33	CC	1001	CYC	C4C-NC	-2.08	1.33	1.37
33	A3	1001	CYC	C4C-NC	-2.08	1.33	1.37
33	l3	1001	CYC	C4C-NC	-2.08	1.33	1.37
33	p3	1001	CYC	C4C-NC	-2.08	1.33	1.37
31	lD	201	PEB	C1D-ND	2.08	1.48	1.45
31	L1	202	PEB	C4B-C3B	2.08	1.49	1.45
31	gA	201	PEB	C4A-NA	-2.08	1.33	1.37
31	gH	201	PEB	C4A-NA	-2.08	1.33	1.37
31	kH	202	PEB	C4A-NA	-2.08	1.33	1.37
31	h2	202	PEB	C2A-C1A	-2.08	1.50	1.52
31	eB	202	PEB	C2A-C1A	-2.08	1.50	1.52
31	WE	202	PEB	C4A-NA	-2.08	1.33	1.37
31	e2	202	PEB	C1D-ND	2.08	1.48	1.45
31	M9	301	PEB	C1B-C2B	2.08	1.50	1.45
31	N2	1002	PEB	C4A-NA	-2.08	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	bF	201	PEB	C4A-NA	-2.08	1.33	1.37
31	wF	303	PEB	C4A-NA	-2.08	1.33	1.37
31	FK	203	PEB	C1C-CHB	2.08	1.49	1.41
31	l8	201	PEB	C1A-NA	-2.08	1.34	1.37
31	W5	201	PEB	C1B-C2B	2.08	1.50	1.45
31	WA	401	PEB	C4A-NA	-2.08	1.33	1.37
31	a6	203	PEB	C4A-NA	-2.08	1.33	1.37
31	gB	203	PEB	C4A-NA	-2.08	1.33	1.37
31	dF	201	PEB	C1C-CHB	2.08	1.49	1.41
31	AH	301	PEB	C2A-C1A	-2.08	1.50	1.52
31	CI	201	PEB	C2A-C1A	-2.08	1.50	1.52
31	PI	201	PEB	C2A-C1A	-2.08	1.50	1.52
31	dC	203	PEB	C1C-CHB	2.08	1.49	1.41
31	P9	201	PEB	C1B-C2B	2.08	1.50	1.45
31	a4	204	PEB	C4A-NA	-2.08	1.33	1.37
31	ND	201	PEB	C4B-C3B	2.08	1.49	1.45
31	eD	203	PEB	C1C-CHB	2.08	1.49	1.41
31	QF	202	PEB	C1D-ND	2.08	1.48	1.45
33	Q3	1001	CYC	C4A-C3A	2.08	1.50	1.45
33	HB	1001	CYC	C4B-NB	-2.08	1.33	1.38
31	dE	204	PEB	C1C-CHB	2.08	1.49	1.41
31	aE	202	PEB	C4B-C3B	2.08	1.49	1.45
31	M4	203	PEB	C4A-NA	-2.08	1.33	1.37
31	AJ	304	PEB	C1D-ND	2.08	1.48	1.45
31	pF	201	PEB	C1A-NA	-2.08	1.34	1.37
31	J5	203	PEB	C1D-ND	2.08	1.48	1.45
33	EB	1001	CYC	C4A-C3A	2.08	1.50	1.45
31	OJ	202	PEB	C4A-NA	-2.08	1.33	1.37
31	hD	201	PEB	C4A-NA	-2.08	1.33	1.37
33	FD	202	CYC	C1D-CHD	2.08	1.49	1.41
33	CE	1001	CYC	C1D-CHD	2.08	1.49	1.41
31	b2	203	PEB	C1D-ND	2.08	1.48	1.45
31	O2	201	PEB	C4A-NA	-2.08	1.33	1.37
31	R5	202	PEB	C1C-CHB	2.08	1.49	1.41
33	HC	1001	CYC	C1B-NB	-2.08	1.34	1.37
31	AG	202	PEB	C2A-C1A	-2.08	1.50	1.52
31	NC	1002	PEB	C1D-ND	2.08	1.48	1.45
31	L1	201	PEB	C1C-CHB	2.08	1.49	1.41
31	mB	203	PEB	C1C-CHB	2.08	1.49	1.41
31	N9	201	PEB	C1B-C2B	2.08	1.50	1.45
31	mF	202	PEB	C4A-NA	-2.08	1.33	1.37
31	lH	201	PEB	C4A-NA	-2.08	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	P8	202	PEB	C4B-C3B	2.08	1.49	1.45
31	KJ	201	PEB	C4A-NA	-2.08	1.33	1.37
31	Q4	204	PEB	C4A-NA	-2.08	1.33	1.37
31	Y6	201	PEB	C4A-NA	-2.08	1.33	1.37
31	eE	201	PEB	C2A-C1A	-2.08	1.50	1.52
31	NJ	202	PEB	C4B-C3B	2.08	1.49	1.45
31	kE	202	PEB	C1C-CHB	2.08	1.49	1.41
31	ZC	201	PEB	C1A-NA	-2.08	1.34	1.37
31	i6	202	PEB	C4A-NA	-2.08	1.33	1.37
31	Z4	201	PEB	C1D-ND	2.08	1.48	1.45
31	OJ	202	PEB	C1B-C2B	2.07	1.50	1.45
31	AC	302	PEB	C4A-NA	-2.07	1.33	1.37
31	pF	202	PEB	C1B-C2B	2.07	1.50	1.45
33	G6	1001	CYC	C1B-NB	-2.07	1.34	1.37
31	l2	202	PEB	C4A-NA	-2.07	1.33	1.37
31	h4	201	PEB	C4A-NA	-2.07	1.33	1.37
33	G3	1001	CYC	C4C-NC	-2.07	1.33	1.37
31	HD	1002	PEB	C4A-NA	-2.07	1.33	1.37
31	O7	203	PEB	C4A-NA	-2.07	1.33	1.37
31	N5	202	PEB	C4B-C3B	2.07	1.49	1.45
31	u8	202	PEB	C1B-C2B	2.07	1.50	1.45
33	EE	1001	CYC	C4A-C3A	2.07	1.50	1.45
31	Y5	201	PEB	C4A-NA	-2.07	1.33	1.37
31	K4	202	PEB	C2A-C1A	-2.07	1.50	1.52
31	cB	203	PEB	C2A-C1A	-2.07	1.50	1.52
31	uF	201	PEB	C2A-C1A	-2.07	1.50	1.52
31	W2	202	PEB	C1B-C2B	2.07	1.50	1.45
33	q3	1001	CYC	C4A-C3A	2.07	1.50	1.45
31	kD	202	PEB	C1C-CHB	2.07	1.49	1.41
31	TJ	201	PEB	C4A-NA	-2.07	1.33	1.37
31	T5	201	PEB	C4A-NA	-2.07	1.33	1.37
31	TC	202	PEB	C1D-ND	2.07	1.48	1.45
31	i4	201	PEB	C4A-NA	-2.07	1.33	1.37
31	kB	202	PEB	C4A-NA	-2.07	1.33	1.37
33	E3	1001	CYC	C4C-NC	-2.07	1.33	1.37
31	VJ	202	PEB	C1C-CHB	2.07	1.49	1.41
31	fF	202	PEB	C1C-CHB	2.07	1.49	1.41
33	DC	1001	CYC	C1B-NB	-2.07	1.34	1.37
31	fB	202	PEB	C1D-ND	2.07	1.48	1.45
31	Q7	203	PEB	C4B-C3B	2.07	1.49	1.45
31	WD	201	PEB	C4A-NA	-2.07	1.33	1.37
33	DC	1001	CYC	C4C-NC	-2.07	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	I4	201	PEB	C1C-CHB	2.07	1.49	1.41
33	CB	1001	CYC	C1D-CHD	2.07	1.49	1.41
31	R9	201	PEB	C1B-C2B	2.07	1.50	1.45
31	UD	203	PEB	C1D-ND	2.07	1.48	1.45
31	MI	301	PEB	C2A-C1A	-2.07	1.50	1.52
31	FB	1002	PEB	C4A-NA	-2.07	1.33	1.37
31	mE	202	PEB	C4A-NA	-2.07	1.33	1.37
33	BD	1001	CYC	C1B-C2B	2.07	1.48	1.45
31	V9	201	PEB	C1B-C2B	2.07	1.50	1.45
31	QJ	202	PEB	C4A-NA	-2.07	1.33	1.37
31	iC	201	PEB	C4A-NA	-2.07	1.33	1.37
33	FE	1001	CYC	C1B-C2B	2.07	1.48	1.45
31	a4	204	PEB	C1C-CHB	2.07	1.49	1.41
31	AC	302	PEB	C2A-C1A	-2.07	1.50	1.52
31	RI	201	PEB	C2A-C1A	-2.07	1.50	1.52
31	jC	203	PEB	C4B-NB	-2.07	1.34	1.38
31	DJ	202	PEB	OD-C4D	2.07	1.27	1.23
31	QJ	201	PEB	C1D-ND	2.07	1.48	1.45
31	B9	203	PEB	C1B-C2B	2.07	1.50	1.45
33	LE	1001	CYC	C4A-C3A	2.07	1.50	1.45
31	P5	201	PEB	C1C-CHB	2.07	1.49	1.41
31	kH	201	PEB	C4A-NA	-2.07	1.33	1.37
33	N3	1001	CYC	C4C-NC	-2.07	1.33	1.37
31	W4	202	PEB	C1C-CHB	2.07	1.49	1.41
31	LK	203	PEB	C4A-NA	-2.07	1.33	1.37
31	A7	202	PEB	C4A-NA	-2.07	1.33	1.37
33	g3	1001	CYC	C4C-NC	-2.07	1.33	1.37
31	jE	201	PEB	C4B-C3B	2.07	1.49	1.45
31	O5	202	PEB	C4A-NA	-2.07	1.33	1.37
31	bC	202	PEB	C4A-NA	-2.07	1.33	1.37
31	U4	202	PEB	C1B-C2B	2.07	1.50	1.45
31	OJ	202	PEB	C4B-C3B	2.07	1.49	1.45
31	b2	201	PEB	C4B-C3B	2.07	1.49	1.45
31	RA	202	PEB	C4A-NA	-2.07	1.33	1.37
31	FI	203	PEB	C4A-NA	-2.07	1.33	1.37
31	E1	202	PEB	C4A-NA	-2.07	1.33	1.37
32	ZI	302	PUB	C1C-NC	-2.07	1.34	1.38
31	dA	201	PEB	C4B-C3B	2.07	1.49	1.45
31	k4	201	PEB	C1D-ND	2.07	1.48	1.45
31	K9	201	PEB	C1B-C2B	2.07	1.50	1.45
31	f8	201	PEB	C1A-NA	-2.07	1.34	1.37
31	PJ	201	PEB	C4B-C3B	2.07	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	V8	202	PEB	C4B-C3B	2.07	1.49	1.45
31	Y8	201	PEB	C4A-NA	-2.07	1.33	1.37
31	XF	202	PEB	C1C-CHB	2.07	1.49	1.41
31	Q9	201	PEB	C1B-C2B	2.07	1.50	1.45
31	VI	201	PEB	C2A-C1A	-2.07	1.50	1.52
31	Z2	203	PEB	C2A-C1A	-2.07	1.50	1.52
31	a4	203	PEB	C2A-C1A	-2.07	1.50	1.52
31	P9	202	PEB	C2A-C1A	-2.07	1.50	1.52
31	OI	202	PEB	C1D-ND	2.07	1.48	1.45
31	r8	202	PEB	C1D-ND	2.07	1.48	1.45
31	V1	202	PEB	C4B-C3B	2.07	1.49	1.45
31	QF	202	PEB	C1C-CHB	2.07	1.49	1.41
31	VC	201	PEB	C1C-CHB	2.07	1.49	1.41
31	S4	203	PEB	C1C-CHB	2.07	1.49	1.41
31	K4	202	PEB	C4B-C3B	2.07	1.49	1.45
31	k4	202	PEB	C4B-C3B	2.07	1.49	1.45
31	lD	203	PEB	C4B-C3B	2.07	1.49	1.45
31	NG	201	PEB	C2A-C1A	-2.07	1.50	1.52
31	PG	201	PEB	C2A-C1A	-2.07	1.50	1.52
31	GI	201	PEB	C2A-C1A	-2.07	1.50	1.52
31	fD	203	PEB	C2A-C1A	-2.07	1.50	1.52
31	j8	201	PEB	C1C-CHB	2.07	1.49	1.41
31	k8	203	PEB	C1C-CHB	2.07	1.49	1.41
31	RJ	203	PEB	C4B-NB	-2.07	1.34	1.38
31	DK	201	PEB	C1C-CHB	2.06	1.49	1.41
31	D1	201	PEB	C1C-CHB	2.06	1.49	1.41
31	JB	1002	PEB	C4B-C3B	2.06	1.49	1.45
31	YF	203	PEB	C4B-C3B	2.06	1.49	1.45
31	a4	201	PEB	C4B-C3B	2.06	1.49	1.45
31	MK	202	PEB	C4A-NA	-2.06	1.33	1.37
31	i2	201	PEB	C4A-NA	-2.06	1.33	1.37
31	C8	203	PEB	C4A-NA	-2.06	1.33	1.37
33	R3	1001	CYC	C4C-NC	-2.06	1.33	1.37
31	gH	201	PEB	C2A-C1A	-2.06	1.50	1.52
33	73	1002	CYC	C1B-NB	-2.06	1.34	1.37
31	eC	203	PEB	C1C-CHB	2.06	1.49	1.41
31	YH	201	PEB	C1C-CHB	2.06	1.49	1.41
31	W2	201	PEB	C1D-ND	2.06	1.48	1.45
31	f6	202	PEB	C1D-ND	2.06	1.48	1.45
31	A2	305	PEB	C4A-NA	-2.06	1.33	1.37
31	C4	202	PEB	C4A-NA	-2.06	1.33	1.37
31	U4	203	PEB	C1C-CHB	2.06	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	mB	202	PEB	C1C-CHB	2.06	1.49	1.41
31	eC	201	PEB	C4B-C3B	2.06	1.49	1.45
31	m8	202	PEB	C4A-NA	-2.06	1.33	1.37
31	JC	1002	PEB	C2A-C1A	-2.06	1.50	1.52
31	VG	202	PEB	C2A-C1A	-2.06	1.50	1.52
31	SG	201	PEB	C4B-C3B	2.06	1.49	1.45
31	QJ	202	PEB	C4B-C3B	2.06	1.49	1.45
31	PJ	201	PEB	C1C-CHB	2.06	1.49	1.41
33	H2	1001	CYC	C1B-NB	-2.06	1.34	1.37
31	LE	1002	PEB	C4A-NA	-2.06	1.33	1.37
31	xF	302	PEB	C2A-C1A	-2.06	1.50	1.52
31	F5	201	PEB	C4B-NB	-2.06	1.34	1.38
31	YJ	201	PEB	C4A-NA	-2.06	1.33	1.37
31	Y4	203	PEB	C1D-ND	2.06	1.48	1.45
31	PC	202	PEB	C4B-C3B	2.06	1.49	1.45
31	u8	202	PEB	C4B-C3B	2.06	1.49	1.45
31	CK	201	PEB	C4B-NB	-2.06	1.34	1.38
31	LI	202	PEB	C2A-C1A	-2.06	1.50	1.52
31	Z6	202	PEB	C2A-C1A	-2.06	1.50	1.52
31	L5	201	PEB	C4A-NA	-2.06	1.33	1.37
31	B5	201	PEB	C4B-C3B	2.06	1.49	1.45
33	K3	1001	CYC	C4C-NC	-2.06	1.33	1.37
31	fD	202	PEB	C4B-C3B	2.06	1.49	1.45
31	A2	302	PEB	C4A-NA	-2.06	1.33	1.37
31	DI	201	PEB	C1D-ND	2.06	1.48	1.45
31	m6	202	PEB	C4A-NA	-2.06	1.33	1.37
31	gE	202	PEB	C4A-NA	-2.06	1.33	1.37
31	gB	202	PEB	C1C-CHB	2.06	1.49	1.41
31	qF	201	PEB	C2A-C1A	-2.06	1.50	1.52
31	M5	202	PEB	C4A-NA	-2.06	1.33	1.37
31	e8	203	PEB	C4A-NA	-2.06	1.33	1.37
31	dB	201	PEB	C4A-NA	-2.06	1.33	1.37
33	N2	1001	CYC	C4D-CHA	2.06	1.49	1.41
32	w8	304	PUB	C4C-NC	2.06	1.38	1.35
31	YI	201	PEB	C4A-NA	-2.06	1.33	1.37
31	kC	201	PEB	C4A-NA	-2.06	1.33	1.37
33	T3	1001	CYC	C4C-NC	-2.06	1.33	1.37
33	IB	1001	CYC	C1B-C2B	2.06	1.48	1.45
31	jE	201	PEB	C1D-ND	2.06	1.48	1.45
31	l6	202	PEB	C4A-NA	-2.06	1.33	1.37
33	DC	1003	CYC	C4C-NC	-2.06	1.33	1.37
31	fH	202	PEB	C2A-C1A	-2.06	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L1	203	PEB	C1C-CHB	2.06	1.49	1.41
31	O2	203	PEB	C1C-CHB	2.06	1.49	1.41
31	U7	202	PEB	C1C-CHB	2.06	1.49	1.41
31	dA	202	PEB	C4A-NA	-2.06	1.33	1.37
33	GB	1001	CYC	C1B-NB	-2.06	1.34	1.37
31	IJ	202	PEB	C1C-CHB	2.06	1.49	1.41
33	63	901	CYC	C4D-CHA	2.06	1.49	1.41
31	TF	202	PEB	C1D-ND	2.06	1.48	1.45
31	N2	1002	PEB	C1D-ND	2.06	1.48	1.45
31	HK	202	PEB	C2A-C1A	-2.06	1.50	1.52
31	VK	202	PEB	C2A-C1A	-2.06	1.50	1.52
31	aH	203	PEB	C2A-C1A	-2.06	1.50	1.52
31	hH	203	PEB	C2A-C1A	-2.06	1.50	1.52
31	WC	202	PEB	C1B-C2B	2.06	1.50	1.45
31	B1	202	PEB	C1A-NA	-2.06	1.34	1.37
31	ZD	203	PEB	C1B-C2B	2.06	1.50	1.45
31	LI	203	PEB	C1C-CHB	2.06	1.49	1.41
31	Z9	301	PEB	C1B-C2B	2.06	1.50	1.45
31	R2	202	PEB	C1C-CHB	2.06	1.49	1.41
31	HF	201	PEB	C4B-C3B	2.06	1.49	1.45
31	kC	202	PEB	C4B-C3B	2.06	1.49	1.45
31	e8	203	PEB	C2A-C1A	-2.06	1.50	1.52
31	B8	201	PEB	C1C-CHB	2.05	1.49	1.41
31	X4	202	PEB	C1B-C2B	2.05	1.50	1.45
31	sF	201	PEB	C1B-C2B	2.05	1.50	1.45
31	lH	202	PEB	C4B-NB	-2.05	1.34	1.38
31	G4	202	PEB	C4A-NA	-2.05	1.33	1.37
31	d6	201	PEB	C4A-NA	-2.05	1.33	1.37
33	BE	1002	CYC	C1B-C2B	2.05	1.48	1.45
31	H4	202	PEB	C4B-C3B	2.05	1.49	1.45
31	K5	201	PEB	C4B-C3B	2.05	1.49	1.45
31	f8	202	PEB	C1C-CHB	2.05	1.49	1.41
31	S8	202	PEB	C1B-C2B	2.05	1.50	1.45
31	p8	201	PEB	C1A-NA	-2.05	1.34	1.37
31	W2	201	PEB	C1C-CHB	2.05	1.49	1.41
31	PJ	201	PEB	C4A-NA	-2.05	1.33	1.37
31	bB	202	PEB	C4A-NA	-2.05	1.33	1.37
31	mD	203	PEB	C4A-NA	-2.05	1.33	1.37
31	QD	203	PEB	C2A-C1A	-2.05	1.50	1.52
31	QH	201	PEB	C1C-CHB	2.05	1.49	1.41
31	d8	202	PEB	C1B-C2B	2.05	1.50	1.45
31	gF	203	PEB	C4B-NB	-2.05	1.34	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	WK	201	PEB	OD-C4D	2.05	1.27	1.23
31	eE	201	PEB	C4B-C3B	2.05	1.49	1.45
31	TK	202	PEB	CHA-C4A	-2.05	1.32	1.36
31	WC	201	PEB	C4A-NA	-2.05	1.33	1.37
31	N8	201	PEB	C1C-CHB	2.05	1.49	1.41
31	Y7	502	PEB	C4B-NB	-2.05	1.34	1.38
31	S2	202	PEB	C4A-NA	-2.05	1.33	1.37
31	A5	302	PEB	C4A-NA	-2.05	1.33	1.37
31	iB	203	PEB	C4A-NA	-2.05	1.33	1.37
31	Y6	203	PEB	C1C-CHB	2.05	1.49	1.41
31	XI	201	PEB	C1D-ND	2.05	1.48	1.45
31	T2	202	PEB	C1D-ND	2.05	1.48	1.45
31	SJ	201	PEB	C4A-NA	-2.05	1.33	1.37
31	b6	202	PEB	C4A-NA	-2.05	1.33	1.37
31	HJ	203	PEB	C4B-C3B	2.05	1.49	1.45
31	eB	203	PEB	C4B-C3B	2.05	1.49	1.45
31	R5	201	PEB	C1D-ND	2.05	1.48	1.45
31	aH	201	PEB	C1D-ND	2.05	1.48	1.45
31	NE	201	PEB	C4B-C3B	2.05	1.49	1.45
31	JF	201	PEB	C4B-C3B	2.05	1.49	1.45
31	WF	203	PEB	C1C-CHB	2.05	1.49	1.41
31	a2	201	PEB	C1C-CHB	2.05	1.49	1.41
31	eF	203	PEB	C4A-NA	-2.05	1.33	1.37
31	B7	201	PEB	C1C-CHB	2.05	1.49	1.41
31	P5	201	PEB	C4A-NA	-2.05	1.33	1.37
31	AD	304	PEB	C2A-C1A	-2.05	1.50	1.52
31	FK	201	PEB	C2A-C1A	-2.05	1.50	1.52
31	qF	203	PEB	C1B-C2B	2.05	1.50	1.45
31	U2	202	PEB	C1C-CHB	2.05	1.49	1.41
31	YB	201	PEB	C4A-NA	-2.05	1.33	1.37
31	WC	202	PEB	C4A-NA	-2.05	1.33	1.37
31	CI	201	PEB	C1D-ND	2.05	1.48	1.45
31	f2	201	PEB	C1D-ND	2.05	1.48	1.45
31	eC	203	PEB	C1D-ND	2.05	1.48	1.45
31	E4	201	PEB	C4B-C3B	2.05	1.49	1.45
31	M1	201	PEB	C1C-CHB	2.05	1.49	1.41
32	MI	303	PUB	C1C-NC	-2.05	1.34	1.38
31	s8	201	PEB	C1B-C2B	2.05	1.50	1.45
31	WD	202	PEB	OD-C4D	2.05	1.27	1.23
31	M4	203	PEB	C4B-C3B	2.05	1.49	1.45
31	WI	203	PEB	C1C-CHB	2.05	1.49	1.41
31	UC	203	PEB	C4A-NA	-2.05	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	E1	201	PEB	C4A-NA	-2.05	1.33	1.37
31	FK	201	PEB	C1C-CHB	2.05	1.49	1.41
31	Z8	202	PEB	C1C-CHB	2.05	1.49	1.41
31	B1	201	PEB	C1B-C2B	2.05	1.50	1.45
31	A9	201	PEB	C1B-C2B	2.05	1.50	1.45
31	lD	201	PEB	C1C-CHB	2.05	1.49	1.41
31	IH	202	PEB	C1B-C2B	2.05	1.50	1.45
31	IH	203	PEB	C4B-C3B	2.05	1.49	1.45
31	f6	202	PEB	C4B-C3B	2.05	1.49	1.45
31	p8	201	PEB	C4B-C3B	2.05	1.49	1.45
31	NJ	204	PEB	C4B-C3B	2.05	1.49	1.45
31	l4	203	PEB	C4B-C3B	2.05	1.49	1.45
31	R6	202	PEB	C4B-C3B	2.05	1.49	1.45
31	i4	201	PEB	C1C-CHB	2.05	1.49	1.41
31	h8	201	PEB	C1B-C2B	2.05	1.50	1.45
31	O4	203	PEB	C1C-CHB	2.05	1.49	1.41
31	F5	202	PEB	C1C-CHB	2.05	1.49	1.41
31	aC	201	PEB	C1C-CHB	2.05	1.49	1.41
32	AE	302	PUB	C1C-NC	-2.05	1.34	1.38
31	KA	302	PEB	OD-C4D	2.05	1.27	1.23
31	SD	201	PEB	C4A-NA	-2.05	1.33	1.37
31	O5	202	PEB	C1B-C2B	2.05	1.50	1.45
31	c8	203	PEB	C4B-NB	-2.05	1.34	1.38
31	OC	201	PEB	C4A-NA	-2.05	1.33	1.37
31	J2	1002	PEB	C4A-NA	-2.05	1.33	1.37
31	MF	202	PEB	C1C-CHB	2.05	1.49	1.41
31	U5	201	PEB	C1B-C2B	2.05	1.50	1.45
31	lC	201	PEB	C1C-CHB	2.05	1.49	1.41
33	C6	1001	CYC	C1B-C2B	2.05	1.48	1.45
31	EG	202	PEB	C2A-C1A	-2.05	1.50	1.52
31	Y6	203	PEB	C2A-C1A	-2.05	1.50	1.52
31	kC	202	PEB	C1B-C2B	2.05	1.50	1.45
31	S8	202	PEB	O1C-CGC	2.05	1.28	1.22
31	Y5	202	PEB	C4B-C3B	2.05	1.49	1.45
31	dD	202	PEB	C4A-NA	-2.05	1.33	1.37
31	AE	301	PEB	C2A-C1A	-2.05	1.50	1.52
31	c6	203	PEB	C2A-C1A	-2.05	1.50	1.52
31	cE	202	PEB	C1C-CHB	2.04	1.49	1.41
31	jD	202	PEB	C1C-CHB	2.04	1.49	1.41
31	GK	201	PEB	OD-C4D	2.04	1.27	1.23
31	PG	202	PEB	C2A-C1A	-2.04	1.50	1.52
31	c6	202	PEB	C2A-C1A	-2.04	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	fC	201	PEB	C2A-C1A	-2.04	1.50	1.52
31	F5	202	PEB	C4B-C3B	2.04	1.49	1.45
31	LK	201	PEB	C1C-CHB	2.04	1.49	1.41
31	kH	201	PEB	C1C-CHB	2.04	1.49	1.41
31	fD	202	PEB	C1D-ND	2.04	1.48	1.45
31	FF	202	PEB	C4B-C3B	2.04	1.49	1.45
31	Y8	202	PEB	C4A-NA	-2.04	1.33	1.37
31	j2	203	PEB	C4B-NB	-2.04	1.34	1.38
31	XF	201	PEB	C1C-CHB	2.04	1.49	1.41
33	ME	1001	CYC	C1B-C2B	2.04	1.48	1.45
31	UE	203	PEB	C2A-C1A	-2.04	1.50	1.52
31	AB	301	PEB	C4A-NA	-2.04	1.33	1.37
31	f4	202	PEB	C4A-NA	-2.04	1.33	1.37
31	YD	201	PEB	C1B-C2B	2.04	1.50	1.45
31	j4	202	PEB	C1C-CHB	2.04	1.49	1.41
31	kH	201	PEB	C4B-C3B	2.04	1.49	1.45
31	NI	201	PEB	C1D-ND	2.04	1.48	1.45
31	aB	201	PEB	C1B-C2B	2.04	1.50	1.45
31	V2	201	PEB	C4A-NA	-2.04	1.33	1.37
31	f6	202	PEB	C4A-NA	-2.04	1.33	1.37
33	H6	1001	CYC	C4B-NB	-2.04	1.33	1.38
31	FJ	202	PEB	C4B-C3B	2.04	1.49	1.45
31	UC	202	PEB	C1C-CHB	2.04	1.49	1.41
31	ZG	401	PEB	C1C-CHB	2.04	1.49	1.41
31	BK	201	PEB	C1B-C2B	2.04	1.50	1.45
31	eC	201	PEB	C4A-NA	-2.04	1.33	1.37
32	Z9	304	PUB	CAB-C3B	2.04	1.55	1.52
31	ZI	304	PEB	C2A-C1A	-2.04	1.50	1.52
31	FJ	202	PEB	C2A-C1A	-2.04	1.50	1.52
31	H2	1002	PEB	C2A-C1A	-2.04	1.50	1.52
33	FC	1001	CYC	C4D-CHA	2.04	1.49	1.41
31	RI	202	PEB	C1D-ND	2.04	1.48	1.45
31	FJ	202	PEB	C1C-CHB	2.04	1.49	1.41
31	E8	202	PEB	C4B-C3B	2.04	1.49	1.45
31	f2	202	PEB	C4A-NA	-2.04	1.33	1.37
31	Y9	203	PEB	C4A-NA	-2.04	1.33	1.37
31	Q4	204	PEB	C1D-ND	2.04	1.48	1.45
31	hC	201	PEB	C1D-ND	2.04	1.48	1.45
31	SI	202	PEB	C1C-CHB	2.04	1.49	1.41
31	J9	202	PEB	C4B-C3B	2.04	1.49	1.45
31	w8	303	PEB	C1C-CHB	2.04	1.49	1.41
31	iE	201	PEB	C1C-CHB	2.04	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	II	201	PEB	C2A-C1A	-2.04	1.50	1.52
31	SF	203	PEB	C1B-C2B	2.04	1.50	1.45
31	XJ	202	PEB	C4A-NA	-2.04	1.33	1.37
31	A1	202	PEB	C4A-NA	-2.04	1.33	1.37
31	B5	201	PEB	C4A-NA	-2.04	1.33	1.37
31	V2	201	PEB	C1C-CHB	2.04	1.49	1.41
31	eC	202	PEB	C1D-ND	2.04	1.48	1.45
31	DK	203	PEB	C4A-NA	-2.04	1.33	1.37
31	D1	203	PEB	C4A-NA	-2.04	1.33	1.37
31	LF	201	PEB	C1C-CHB	2.04	1.49	1.41
33	F2	1001	CYC	C4D-CHA	2.04	1.49	1.41
31	l2	202	PEB	C1C-CHB	2.04	1.49	1.41
31	S8	201	PEB	C1C-CHB	2.04	1.49	1.41
33	J2	1001	CYC	C1D-CHD	2.04	1.49	1.41
31	C8	203	PEB	C4B-C3B	2.04	1.49	1.45
31	AE	301	PEB	C4A-NA	-2.04	1.33	1.37
31	JJ	201	PEB	C4A-NA	-2.04	1.33	1.37
31	h6	202	PEB	C4A-NA	-2.04	1.33	1.37
31	kB	201	PEB	C4A-NA	-2.04	1.33	1.37
31	sF	201	PEB	C4A-NA	-2.04	1.33	1.37
31	mD	202	PEB	C2A-C1A	-2.04	1.50	1.52
31	CF	203	PEB	C1C-CHB	2.04	1.49	1.41
31	B9	202	PEB	C4A-NA	-2.04	1.33	1.37
31	HK	202	PEB	C4B-C3B	2.04	1.49	1.45
31	H1	202	PEB	C4B-C3B	2.04	1.49	1.45
31	F1	201	PEB	C1C-CHB	2.04	1.49	1.41
31	VA	201	PEB	C1B-C2B	2.04	1.50	1.45
31	Y8	203	PEB	C4B-C3B	2.04	1.49	1.45
33	EC	1001	CYC	C4A-C3A	2.04	1.50	1.45
31	kB	201	PEB	C1C-CHB	2.04	1.49	1.41
31	cD	202	PEB	C1C-CHB	2.04	1.49	1.41
31	YI	202	PEB	C4A-NA	-2.04	1.33	1.37
31	O2	202	PEB	C4A-NA	-2.04	1.33	1.37
31	HG	201	PEB	C1C-CHB	2.04	1.49	1.41
33	FD	201	CYC	C1B-C2B	2.04	1.48	1.45
31	T7	201	PEB	C1C-CHB	2.04	1.49	1.41
31	DC	1002	PEB	C1B-C2B	2.04	1.50	1.45
31	AD	301	PEB	C2A-C1A	-2.04	1.50	1.52
31	KG	202	PEB	C2A-C1A	-2.04	1.50	1.52
31	eE	202	PEB	C4A-NA	-2.04	1.33	1.37
31	RC	202	PEB	C1C-CHB	2.04	1.49	1.41
31	K5	202	PEB	C1D-ND	2.04	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	DJ	203	PEB	C4B-C3B	2.04	1.49	1.45
31	E1	202	PEB	C4B-C3B	2.04	1.49	1.45
32	M9	304	PUB	CAB-C3B	2.04	1.55	1.52
31	mE	201	PEB	C1D-ND	2.04	1.48	1.45
31	sF	202	PEB	C1C-CHB	2.04	1.49	1.41
31	u8	202	PEB	C2A-C1A	-2.04	1.50	1.52
31	nF	202	PEB	C2A-C1A	-2.04	1.50	1.52
31	X8	201	PEB	C1C-CHB	2.04	1.49	1.41
31	gF	203	PEB	C1C-CHB	2.04	1.49	1.41
31	E7	201	PEB	C1B-C2B	2.04	1.50	1.45
31	A7	202	PEB	C4B-C3B	2.04	1.49	1.45
31	P4	201	PEB	C1D-ND	2.04	1.48	1.45
33	NC	1001	CYC	C4B-NB	-2.04	1.33	1.38
31	SI	202	PEB	C4B-C3B	2.04	1.49	1.45
31	DK	202	PEB	C1C-CHB	2.03	1.49	1.41
31	DK	201	PEB	C1D-ND	2.03	1.48	1.45
31	ZB	202	PEB	C2A-C1A	-2.03	1.50	1.52
31	OC	202	PEB	C4A-NA	-2.03	1.33	1.37
31	UG	202	PEB	C4A-NA	-2.03	1.33	1.37
31	UH	202	PEB	OD-C4D	2.03	1.27	1.23
31	SI	201	PEB	C1B-C2B	2.03	1.50	1.45
31	G8	202	PEB	O1C-CGC	2.03	1.28	1.22
31	IH	201	PEB	C1C-CHB	2.03	1.49	1.41
31	II	201	PEB	C4A-NA	-2.03	1.33	1.37
31	l2	203	PEB	C4B-NB	-2.03	1.34	1.38
31	P5	201	PEB	C4B-C3B	2.03	1.48	1.45
31	bC	201	PEB	C4B-C3B	2.03	1.48	1.45
31	oF	201	PEB	C1D-ND	2.03	1.48	1.45
31	J7	201	PEB	C1C-CHB	2.03	1.49	1.41
31	i2	201	PEB	C4B-C3B	2.03	1.48	1.45
31	c6	202	PEB	C4B-C3B	2.03	1.48	1.45
31	gH	201	PEB	C1D-ND	2.03	1.48	1.45
31	VF	201	PEB	C1C-CHB	2.03	1.49	1.41
31	FI	202	PEB	C1C-CHB	2.03	1.49	1.41
31	Z8	202	PEB	C4A-NA	-2.03	1.33	1.37
31	m8	201	PEB	C4A-NA	-2.03	1.33	1.37
31	JF	201	PEB	C1A-NA	-2.03	1.35	1.37
31	BK	202	PEB	C1A-NA	-2.03	1.35	1.37
31	Q1	202	PEB	C2A-C1A	-2.03	1.50	1.52
31	BF	201	PEB	C4B-C3B	2.03	1.48	1.45
31	iC	202	PEB	C4B-C3B	2.03	1.48	1.45
31	Q2	203	PEB	C1B-C2B	2.03	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	xF	303	PEB	C1C-CHB	2.03	1.49	1.41
31	k6	202	PEB	C4A-NA	-2.03	1.33	1.37
31	S4	202	PEB	C4A-NA	-2.03	1.33	1.37
31	XI	202	PEB	C1D-ND	2.03	1.48	1.45
31	VJ	201	PEB	C1D-ND	2.03	1.48	1.45
31	O2	201	PEB	C1D-ND	2.03	1.48	1.45
31	A2	305	PEB	C1D-ND	2.03	1.48	1.45
31	V5	201	PEB	C1D-ND	2.03	1.48	1.45
31	E4	201	PEB	C1C-CHB	2.03	1.49	1.41
31	HF	201	PEB	C1C-CHB	2.03	1.49	1.41
33	ED	1001	CYC	C4A-C3A	2.03	1.50	1.45
31	L9	202	PEB	C1C-CHB	2.03	1.49	1.41
31	QF	202	PEB	C4B-C3B	2.03	1.48	1.45
31	d4	202	PEB	C4B-C3B	2.03	1.48	1.45
31	iC	201	PEB	C4B-C3B	2.03	1.48	1.45
31	QH	204	PEB	C2A-C1A	-2.03	1.50	1.52
31	Q4	204	PEB	C2A-C1A	-2.03	1.50	1.52
31	AB	305	PEB	C4A-NA	-2.03	1.33	1.37
31	WH	201	PEB	OD-C4D	2.03	1.27	1.23
31	D1	201	PEB	C1B-C2B	2.03	1.50	1.45
31	mE	201	PEB	C1B-C2B	2.03	1.50	1.45
33	LD	1001	CYC	C4A-C3A	2.03	1.50	1.45
31	mE	201	PEB	C4B-C3B	2.03	1.48	1.45
33	FD	201	CYC	C4B-NB	-2.03	1.33	1.38
31	TI	201	PEB	C1D-ND	2.03	1.48	1.45
31	s8	201	PEB	C4A-NA	-2.03	1.33	1.37
31	CI	201	PEB	C4B-C3B	2.03	1.48	1.45
31	e2	202	PEB	C1C-CHB	2.03	1.49	1.41
31	dH	202	PEB	C1C-CHB	2.03	1.49	1.41
31	NI	201	PEB	C2A-C1A	-2.03	1.50	1.52
31	T9	202	PEB	C2A-C1A	-2.03	1.50	1.52
31	MF	203	PEB	C1B-C2B	2.03	1.50	1.45
31	cB	203	PEB	C1C-CHB	2.03	1.49	1.41
31	AK	202	PEB	C4A-NA	-2.03	1.33	1.37
31	cB	203	PEB	C4A-NA	-2.03	1.33	1.37
31	NJ	202	PEB	C1D-ND	2.03	1.48	1.45
31	X8	202	PEB	C1C-CHB	2.03	1.49	1.41
31	c4	202	PEB	C4B-C3B	2.03	1.48	1.45
31	jD	202	PEB	C4B-C3B	2.03	1.48	1.45
31	SH	202	PEB	C4A-NA	-2.03	1.33	1.37
31	O8	203	PEB	C4A-NA	-2.03	1.33	1.37
31	UC	202	PEB	C2A-C1A	-2.03	1.50	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	XG	201	PEB	C2A-C1A	-2.03	1.50	1.52
31	D5	203	PEB	C4B-C3B	2.03	1.48	1.45
33	DD	1001	CYC	C1A-C2A	2.03	1.48	1.45
31	h2	201	PEB	C4A-NA	-2.03	1.33	1.37
31	ZD	201	PEB	C1B-C2B	2.03	1.50	1.45
31	SF	202	PEB	C1B-C2B	2.03	1.50	1.45
31	E9	201	PEB	C1B-C2B	2.03	1.50	1.45
31	XJ	201	PEB	C4A-NA	-2.03	1.33	1.37
31	EK	201	PEB	C4A-NA	-2.03	1.33	1.37
31	R5	202	PEB	C4A-NA	-2.03	1.33	1.37
31	m4	201	PEB	C4B-C3B	2.03	1.48	1.45
31	V2	202	PEB	C1B-C2B	2.03	1.50	1.45
31	KE	201	PEB	C1C-CHB	2.03	1.49	1.41
31	iB	203	PEB	C1C-CHB	2.03	1.49	1.41
31	S2	201	PEB	C4B-NB	-2.03	1.34	1.38
31	HI	203	PEB	C4A-NA	-2.03	1.33	1.37
31	lF	203	PEB	C4A-NA	-2.03	1.33	1.37
31	mC	201	PEB	C4B-C3B	2.03	1.48	1.45
31	OA	201	PEB	C1C-CHB	2.03	1.49	1.41
31	k6	202	PEB	C1C-CHB	2.03	1.49	1.41
31	QI	203	PEB	C4A-NA	-2.03	1.33	1.37
31	W5	202	PEB	C4A-NA	-2.03	1.33	1.37
31	ZF	202	PEB	C1C-CHB	2.03	1.49	1.41
31	FG	201	PEB	C1C-CHB	2.03	1.49	1.41
31	n8	202	PEB	C1C-CHB	2.03	1.49	1.41
31	JI	203	PEB	C1B-C2B	2.03	1.50	1.45
31	dF	202	PEB	C1B-C2B	2.03	1.50	1.45
31	lB	201	PEB	CHA-C4A	-2.03	1.32	1.36
31	KJ	202	PEB	C1D-ND	2.03	1.48	1.45
33	GD	201	CYC	C1B-C2B	2.03	1.48	1.45
33	LD	1001	CYC	C1A-NA	-2.03	1.34	1.38
31	WE	203	PEB	C2A-C1A	-2.03	1.50	1.52
31	l4	203	PEB	C2A-C1A	-2.03	1.50	1.52
31	AF	202	PEB	C1C-CHB	2.03	1.49	1.41
31	e6	202	PEB	C1C-CHB	2.03	1.49	1.41
31	SC	201	PEB	C4B-NB	-2.03	1.34	1.38
31	gC	203	PEB	C4A-NA	-2.03	1.33	1.37
31	dC	203	PEB	C4A-NA	-2.03	1.33	1.37
31	Z4	202	PEB	C4B-C3B	2.03	1.48	1.45
31	jE	202	PEB	C4B-C3B	2.03	1.48	1.45
31	Y8	203	PEB	C1B-C2B	2.03	1.50	1.45
31	W1	202	PEB	C1C-CHB	2.03	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	OG	201	PEB	O1B-CGB	2.03	1.28	1.22
31	jE	202	PEB	C1C-CHB	2.03	1.49	1.41
31	mB	201	PEB	C1B-C2B	2.03	1.50	1.45
31	AG	202	PEB	C4B-C3B	2.03	1.48	1.45
31	l2	201	PEB	C4B-C3B	2.03	1.48	1.45
33	C6	1001	CYC	C1D-CHD	2.02	1.49	1.41
31	YJ	202	PEB	C4A-NA	-2.02	1.33	1.37
31	Y4	203	PEB	C4B-C3B	2.02	1.48	1.45
31	EI	202	PEB	C1D-ND	2.02	1.48	1.45
31	VI	201	PEB	C4A-NA	-2.02	1.33	1.37
31	A6	305	PEB	C4A-NA	-2.02	1.33	1.37
31	WC	201	PEB	C1C-CHB	2.02	1.49	1.41
31	MJ	202	PEB	C4A-NA	-2.02	1.33	1.37
31	I8	201	PEB	CBC-CGC	2.02	1.55	1.50
31	ZE	201	PEB	C1B-C2B	2.02	1.50	1.45
31	Q2	201	PEB	C2A-C1A	-2.02	1.50	1.52
31	a4	203	PEB	C1C-CHB	2.02	1.49	1.41
31	LJ	201	PEB	C4A-NA	-2.02	1.33	1.37
31	RB	201	PEB	C1B-C2B	2.02	1.50	1.45
31	dD	203	PEB	C4B-C3B	2.02	1.48	1.45
31	BI	201	PEB	C1C-CHB	2.02	1.49	1.41
31	gH	202	PEB	C4B-C3B	2.02	1.48	1.45
31	j2	203	PEB	C4A-NA	-2.02	1.33	1.37
31	eD	203	PEB	C1B-C2B	2.02	1.50	1.45
31	A4	301	PEB	C1D-ND	2.02	1.48	1.45
31	h4	202	PEB	C1C-CHB	2.02	1.48	1.41
31	N5	202	PEB	C1C-CHB	2.02	1.48	1.41
31	g8	203	PEB	C1C-CHB	2.02	1.48	1.41
31	lC	201	PEB	C4A-NA	-2.02	1.33	1.37
31	II	202	PEB	C1D-ND	2.02	1.48	1.45
31	QJ	202	PEB	C1D-ND	2.02	1.48	1.45
31	gB	202	PEB	C2A-C1A	-2.02	1.50	1.52
31	Y5	201	PEB	C1C-CHB	2.02	1.48	1.41
31	D9	202	PEB	C1C-CHB	2.02	1.48	1.41
31	R7	201	PEB	C1C-CHB	2.02	1.48	1.41
31	wF	303	PEB	C1C-CHB	2.02	1.48	1.41
31	h8	202	PEB	C4A-NA	-2.02	1.33	1.37
31	z8	501	PEB	C4A-NA	-2.02	1.33	1.37
31	hF	202	PEB	C4A-NA	-2.02	1.33	1.37
31	UG	201	PEB	C1C-CHB	2.02	1.48	1.41
31	II	201	PEB	C4B-C3B	2.02	1.48	1.45
31	k2	202	PEB	C1B-C2B	2.02	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	S5	202	PEB	C1B-C2B	2.02	1.50	1.45
31	Q2	203	PEB	C4A-NA	-2.02	1.33	1.37
31	dD	202	PEB	C2A-C1A	-2.02	1.50	1.52
31	T4	201	PEB	C1D-ND	2.02	1.48	1.45
31	O6	201	PEB	CHA-C4A	-2.02	1.32	1.36
31	IJ	202	PEB	C4B-C3B	2.02	1.48	1.45
31	I8	203	PEB	C4B-NB	-2.02	1.34	1.38
31	F4	202	PEB	C1B-C2B	2.02	1.50	1.45
31	WF	201	PEB	C1C-CHB	2.02	1.48	1.41
31	GG	203	PEB	C2A-C1A	-2.02	1.50	1.52
31	dC	203	PEB	C2A-C1A	-2.02	1.50	1.52
31	lD	203	PEB	C2A-C1A	-2.02	1.50	1.52
31	gE	202	PEB	C2A-C1A	-2.02	1.50	1.52
31	G4	203	PEB	C1C-CHB	2.02	1.48	1.41
31	i8	203	PEB	C1C-CHB	2.02	1.48	1.41
31	K1	201	PEB	C1B-C2B	2.02	1.50	1.45
31	A2	302	PEB	C1D-ND	2.02	1.48	1.45
31	UI	202	PEB	C1C-CHB	2.02	1.48	1.41
31	e2	201	PEB	C4B-C3B	2.02	1.48	1.45
33	FD	201	CYC	C4D-CHA	2.02	1.48	1.41
31	J5	202	PEB	C4A-NA	-2.02	1.33	1.37
31	K4	201	PEB	C1C-CHB	2.02	1.48	1.41
31	jF	201	PEB	C1C-CHB	2.02	1.48	1.41
31	BA	201	PEB	C1C-CHB	2.02	1.48	1.41
31	G5	202	PEB	C2A-C1A	-2.02	1.50	1.52
31	c6	203	PEB	C4A-NA	-2.02	1.33	1.37
33	JC	1003	CYC	C4B-NB	-2.02	1.33	1.38
31	D1	202	PEB	C1C-CHB	2.02	1.48	1.41
31	CG	201	PEB	C2A-C1A	-2.02	1.50	1.52
31	U2	202	PEB	C4B-C3B	2.02	1.48	1.45
31	e4	201	PEB	C4B-C3B	2.02	1.48	1.45
31	C8	203	PEB	C1C-CHB	2.02	1.48	1.41
31	dD	203	PEB	C1C-CHB	2.02	1.48	1.41
31	TI	201	PEB	C4A-NA	-2.02	1.33	1.37
31	Z9	302	PEB	C1B-C2B	2.02	1.50	1.45
31	KI	201	PEB	C1D-ND	2.02	1.48	1.45
31	A4	301	PEB	C4B-C3B	2.02	1.48	1.45
31	C7	203	PEB	C4B-C3B	2.02	1.48	1.45
33	M2	201	CYC	C4D-CHA	2.02	1.48	1.41
31	M1	202	PEB	C2A-C1A	-2.02	1.50	1.52
31	W8	201	PEB	C4B-NB	-2.02	1.34	1.38
31	lF	202	PEB	C4A-NA	-2.02	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	AI	201	PEB	C1D-ND	2.02	1.48	1.45
31	j2	203	PEB	C1D-ND	2.02	1.48	1.45
31	Y8	203	PEB	C1D-ND	2.02	1.48	1.45
31	WF	201	PEB	C4B-C3B	2.02	1.48	1.45
31	H5	201	PEB	C4B-C3B	2.02	1.48	1.45
31	OH	203	PEB	C1C-CHB	2.02	1.48	1.41
31	gH	202	PEB	C1C-CHB	2.02	1.48	1.41
31	NI	201	PEB	C4A-NA	-2.02	1.33	1.37
31	NJ	204	PEB	C4A-NA	-2.02	1.33	1.37
31	G7	203	PEB	C4A-NA	-2.02	1.33	1.37
31	RJ	202	PEB	C4B-C3B	2.01	1.48	1.45
31	eC	202	PEB	C1C-CHB	2.01	1.48	1.41
31	hE	203	PEB	C2A-C1A	-2.01	1.50	1.52
31	UA	304	PEB	C4B-C3B	2.01	1.48	1.45
31	PI	201	PEB	C1D-ND	2.01	1.48	1.45
31	QC	201	PEB	C4A-NA	-2.01	1.33	1.37
31	SI	202	PEB	C4A-NA	-2.01	1.33	1.37
31	k6	201	PEB	C4A-NA	-2.01	1.33	1.37
31	dE	202	PEB	C4A-NA	-2.01	1.33	1.37
31	jE	202	PEB	C4A-NA	-2.01	1.33	1.37
31	m6	202	PEB	C1C-CHB	2.01	1.48	1.41
33	FB	1001	CYC	C4D-CHA	2.01	1.48	1.41
31	UC	202	PEB	C4B-C3B	2.01	1.48	1.45
31	J5	203	PEB	C4B-C3B	2.01	1.48	1.45
31	UA	304	PEB	C1D-ND	2.01	1.48	1.45
31	RG	202	PEB	C2A-C1A	-2.01	1.50	1.52
31	II	201	PEB	C1D-ND	2.01	1.48	1.45
31	PI	201	PEB	C4A-NA	-2.01	1.33	1.37
31	FJ	202	PEB	C4A-NA	-2.01	1.33	1.37
31	mD	202	PEB	C4A-NA	-2.01	1.33	1.37
31	Q5	201	PEB	C1C-CHB	2.01	1.48	1.41
31	GF	202	PEB	O1C-CGC	2.01	1.28	1.22
31	kF	202	PEB	C2A-C1A	-2.01	1.50	1.52
31	MF	203	PEB	C4B-C3B	2.01	1.48	1.45
31	hE	201	PEB	C4A-NA	-2.01	1.33	1.37
31	A5	304	PEB	C1D-ND	2.01	1.48	1.45
31	jC	203	PEB	C1D-ND	2.01	1.48	1.45
31	EH	201	PEB	C1C-CHB	2.01	1.48	1.41
31	SJ	202	PEB	C1B-C2B	2.01	1.50	1.45
31	UJ	201	PEB	C1B-C2B	2.01	1.50	1.45
33	HC	1001	CYC	C4A-C3A	2.01	1.50	1.45
31	H9	201	PEB	CMD-C2D	2.01	1.53	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	L8	201	PEB	C1C-CHB	2.01	1.48	1.41
31	Y4	203	PEB	C1C-CHB	2.01	1.48	1.41
31	x8	303	PEB	C1C-CHB	2.01	1.48	1.41
31	v8	202	PEB	C4A-NA	-2.01	1.33	1.37
31	YB	203	PEB	C2A-C1A	-2.01	1.50	1.52
31	U6	202	PEB	C2A-C1A	-2.01	1.50	1.52
31	VC	201	PEB	C4B-C3B	2.01	1.48	1.45
31	U7	201	PEB	C4B-C3B	2.01	1.48	1.45
31	GI	202	PEB	C1D-ND	2.01	1.48	1.45
31	a8	201	PEB	C1D-ND	2.01	1.48	1.45
31	fC	201	PEB	C1D-ND	2.01	1.48	1.45
31	BJ	201	PEB	C4A-NA	-2.01	1.33	1.37
33	DC	1001	CYC	C4B-NB	-2.01	1.33	1.38
31	fD	202	PEB	C1B-C2B	2.01	1.50	1.45
31	Z9	303	PEB	C4B-C3B	2.01	1.48	1.45
31	aD	202	PEB	C4B-C3B	2.01	1.48	1.45
31	m6	203	PEB	O1B-CGB	2.01	1.28	1.22
31	iF	203	PEB	C1C-CHB	2.01	1.48	1.41
33	HB	1001	CYC	C4A-C3A	2.01	1.50	1.45
33	E6	1001	CYC	C4A-C3A	2.01	1.50	1.45
31	GJ	202	PEB	C1C-CHB	2.01	1.48	1.41
31	W8	203	PEB	C1C-CHB	2.01	1.48	1.41
31	j2	202	PEB	C4A-NA	-2.01	1.33	1.37
31	S4	202	PEB	C4B-C3B	2.01	1.48	1.45
31	D2	1002	PEB	C1B-C2B	2.01	1.50	1.45
31	fE	202	PEB	C1B-C2B	2.01	1.50	1.45
31	S8	201	PEB	C4B-NB	-2.01	1.34	1.38
31	l8	202	PEB	C1D-ND	2.01	1.48	1.45
31	YG	201	PEB	C1C-CHB	2.01	1.48	1.41
31	N7	202	PEB	C1C-CHB	2.01	1.48	1.41
33	JC	1001	CYC	C1D-CHD	2.01	1.48	1.41
31	AI	201	PEB	C4B-C3B	2.01	1.48	1.45
31	H8	201	PEB	C4B-C3B	2.01	1.48	1.45
31	J8	202	PEB	C4B-C3B	2.01	1.48	1.45
31	R8	202	PEB	C4B-C3B	2.01	1.48	1.45
31	M9	303	PEB	C4B-C3B	2.01	1.48	1.45
31	XI	201	PEB	C2A-C1A	-2.01	1.50	1.52
31	QK	202	PEB	C2A-C1A	-2.01	1.50	1.52
31	t8	203	PEB	C2A-C1A	-2.01	1.50	1.52
31	EI	201	PEB	C4A-NA	-2.01	1.33	1.37
31	O4	202	PEB	C1D-ND	2.01	1.48	1.45
31	gB	201	PEB	C1D-ND	2.01	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	KK	201	PEB	C4B-C3B	2.01	1.48	1.45
31	O9	201	PEB	C4B-C3B	2.01	1.48	1.45
31	P6	203	PEB	C1C-CHB	2.01	1.48	1.41
31	CI	201	PEB	C4A-NA	-2.01	1.33	1.37
31	AJ	302	PEB	C4A-NA	-2.01	1.33	1.37
31	BJ	202	PEB	C4A-NA	-2.01	1.33	1.37
31	XH	202	PEB	C1B-C2B	2.01	1.50	1.45
32	NJ	201	PUB	C4B-CHB	2.01	1.48	1.41
32	N5	201	PUB	C4B-CHB	2.01	1.48	1.41
31	E7	202	PEB	C4A-NA	-2.01	1.33	1.37
31	x8	303	PEB	C4A-NA	-2.01	1.33	1.37
31	A2	302	PEB	C2A-C1A	-2.01	1.50	1.52
31	h4	201	PEB	C2A-C1A	-2.01	1.50	1.52
31	I5	202	PEB	C1C-CHB	2.01	1.48	1.41
31	Z4	202	PEB	C1B-C2B	2.01	1.50	1.45
31	dE	203	PEB	C1B-C2B	2.01	1.50	1.45
31	fA	301	PEB	O1B-CGB	2.01	1.28	1.22
31	EF	202	PEB	C4B-C3B	2.01	1.48	1.45
31	KG	203	PEB	C4B-C3B	2.01	1.48	1.45
31	PG	202	PEB	C4B-C3B	2.01	1.48	1.45
31	T1	202	PEB	CHA-C4A	-2.01	1.32	1.36
31	m2	202	PEB	C1B-C2B	2.01	1.50	1.45
31	g8	203	PEB	C4B-NB	-2.01	1.34	1.38
31	MI	301	PEB	C1C-CHB	2.01	1.48	1.41
31	RI	201	PEB	C4A-NA	-2.01	1.33	1.37
31	iB	202	PEB	C4A-NA	-2.01	1.33	1.37
31	i6	203	PEB	C1C-CHB	2.01	1.48	1.41
31	aH	203	PEB	C1C-CHB	2.01	1.48	1.41
33	M2	201	CYC	C4B-NB	-2.01	1.33	1.38
31	MF	202	PEB	C4A-NA	-2.01	1.33	1.37
31	DB	1002	PEB	C1C-CHB	2.01	1.48	1.41
31	ZC	203	PEB	C1C-CHB	2.01	1.48	1.41
31	KI	201	PEB	C2A-C1A	-2.01	1.50	1.52
31	M8	203	PEB	C4B-C3B	2.01	1.48	1.45
31	M5	202	PEB	C1C-CHB	2.01	1.48	1.41
31	Z6	201	PEB	C1B-C2B	2.01	1.50	1.45
33	x3	1001	CYC	CMA-C3A	-2.01	1.46	1.50
31	RJ	201	PEB	C1D-ND	2.00	1.48	1.45
31	mD	201	PEB	C1D-ND	2.00	1.48	1.45
31	C7	201	PEB	C4B-C3B	2.00	1.48	1.45
31	fB	201	PEB	CHA-C4A	-2.00	1.32	1.36
31	JK	201	PEB	C4A-NA	-2.00	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	mD	201	PEB	C1B-C2B	2.00	1.50	1.45
31	SF	201	PEB	C4B-NB	-2.00	1.34	1.38
31	AB	301	PEB	C1C-CHB	2.00	1.48	1.41
31	S4	201	PEB	C1C-CHB	2.00	1.48	1.41
31	AD	301	PEB	C4A-NA	-2.00	1.33	1.37
31	M4	202	PEB	C1B-C2B	2.00	1.50	1.45
31	KD	201	PEB	C1C-CHB	2.00	1.48	1.41
31	KF	203	PEB	C4B-C3B	2.00	1.48	1.45
31	KI	201	PEB	C4B-C3B	2.00	1.48	1.45
31	c4	201	PEB	C1D-ND	2.00	1.48	1.45
31	dC	201	PEB	C1D-ND	2.00	1.48	1.45
31	YF	202	PEB	C4A-NA	-2.00	1.33	1.37
31	TB	202	PEB	C4B-NB	-2.00	1.34	1.38
31	R1	202	PEB	C4B-NB	-2.00	1.34	1.38
31	GI	201	PEB	C4B-C3B	2.00	1.48	1.45
31	XJ	201	PEB	C4B-C3B	2.00	1.48	1.45
31	IH	203	PEB	C4B-C3B	2.00	1.48	1.45
31	Y9	202	PEB	C1C-CHB	2.00	1.48	1.41
33	JC	1003	CYC	C4D-CHA	2.00	1.48	1.41
31	hD	201	PEB	C1D-ND	2.00	1.48	1.45
31	WI	203	PEB	C4A-NA	-2.00	1.33	1.37
31	FG	201	PEB	C1B-C2B	2.00	1.50	1.45
33	E2	1001	CYC	C4A-C3A	2.00	1.50	1.45
31	d8	201	PEB	C1C-CHB	2.00	1.48	1.41
31	YB	202	PEB	C4B-C3B	2.00	1.48	1.45
31	X4	202	PEB	C4B-C3B	2.00	1.48	1.45
31	d4	203	PEB	C4A-NA	-2.00	1.33	1.37
31	bF	202	PEB	C4A-NA	-2.00	1.33	1.37
31	TI	201	PEB	C2A-C1A	-2.00	1.50	1.52
31	vF	202	PEB	C2A-C1A	-2.00	1.50	1.52
31	e4	202	PEB	C1D-ND	2.00	1.48	1.45
31	dE	203	PEB	C1C-CHB	2.00	1.48	1.41
31	H8	201	PEB	C1C-CHB	2.00	1.48	1.41
31	m4	202	PEB	C1D-ND	2.00	1.48	1.45
31	lC	201	PEB	C1D-ND	2.00	1.48	1.45
31	KK	201	PEB	C1B-C2B	2.00	1.50	1.45
31	CG	202	PEB	C2A-C1A	-2.00	1.50	1.52
31	H1	203	PEB	C1C-CHB	2.00	1.48	1.41
31	EK	202	PEB	C4B-C3B	2.00	1.48	1.45
31	C8	201	PEB	C4B-C3B	2.00	1.48	1.45
31	iD	201	PEB	C1C-CHB	2.00	1.48	1.41
31	VJ	202	PEB	C1D-ND	2.00	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	HC	1001	CYC	C1D-CHD	2.00	1.48	1.41
31	B8	201	PEB	C4B-C3B	2.00	1.48	1.45
33	C6	1001	CYC	C4D-CHA	2.00	1.48	1.41
31	O5	201	PEB	C2A-C1A	-2.00	1.50	1.52

All (24744) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	FF	201	PEB	OA-C1A-C2A	-17.66	112.13	126.17
31	F8	201	PEB	OA-C1A-C2A	-17.53	112.24	126.17
31	X8	201	PEB	OA-C1A-C2A	-16.33	113.19	126.17
31	RF	201	PEB	OA-C1A-C2A	-16.31	113.20	126.17
31	XF	201	PEB	OA-C1A-C2A	-16.28	113.23	126.17
31	R8	201	PEB	OA-C1A-C2A	-16.17	113.32	126.17
31	B8	201	PEB	OA-C1A-C2A	-15.18	114.10	126.17
31	BF	201	PEB	OA-C1A-C2A	-14.98	114.26	126.17
31	q8	202	PEB	CHB-C4B-NB	-14.37	108.90	128.83
31	qF	202	PEB	CHB-C4B-NB	-14.34	108.93	128.83
31	LF	201	PEB	OA-C1A-C2A	-13.86	115.15	126.17
31	L8	201	PEB	OA-C1A-C2A	-13.78	115.22	126.17
31	PF	201	PEB	OA-C1A-C2A	-13.39	115.53	126.17
31	j4	202	PEB	CHC-C1D-ND	-13.32	98.48	113.95
31	P8	201	PEB	OA-C1A-C2A	-13.28	115.61	126.17
31	Z2	201	PEB	C1C-CHB-C4B	12.88	144.20	128.81
31	ZC	201	PEB	C1C-CHB-C4B	12.84	144.15	128.81
31	n8	201	PEB	OA-C1A-C2A	-12.78	116.01	126.17
33	V3	1001	CYC	C3B-C4B-NB	12.61	116.97	106.78
33	x3	1001	CYC	C3B-C4B-NB	12.57	116.93	106.78
31	nF	201	PEB	OA-C1A-C2A	-12.55	116.20	126.17
31	D8	201	PEB	OA-C1A-C2A	-12.54	116.20	126.17
33	E2	1001	CYC	C3B-C4B-NB	12.53	116.90	106.78
31	N8	201	PEB	OA-C1A-C2A	-12.53	116.21	126.17
31	DF	201	PEB	OA-C1A-C2A	-12.52	116.22	126.17
31	NF	201	PEB	OA-C1A-C2A	-12.50	116.23	126.17
33	EC	1001	CYC	C3B-C4B-NB	12.46	116.85	106.78
31	f8	201	PEB	OA-C1A-C2A	-12.32	116.38	126.17
31	fF	201	PEB	OA-C1A-C2A	-12.30	116.40	126.17
31	JF	201	PEB	OA-C1A-C2A	-12.21	116.47	126.17
31	J8	201	PEB	OA-C1A-C2A	-12.00	116.63	126.17
31	h4	203	PEB	CHC-C1D-ND	-11.82	100.22	113.95
33	F6	1001	CYC	C3B-C4B-NB	11.80	116.31	106.78
32	A2	304	PUB	C2A-C1A-NA	11.80	117.67	107.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	AC	304	PUB	C2A-C1A-NA	11.78	117.66	107.21
31	T8	201	PEB	OA-C1A-C2A	-11.73	116.85	126.17
33	I2	201	CYC	C3B-C4B-NB	11.71	116.24	106.78
33	HB	1001	CYC	C3B-C4B-NB	11.70	116.23	106.78
33	H6	1001	CYC	C3B-C4B-NB	11.70	116.23	106.78
33	FB	1001	CYC	C3B-C4B-NB	11.68	116.21	106.78
31	pF	202	PEB	C1C-CHB-C4B	11.67	142.75	128.81
31	p8	202	PEB	C1C-CHB-C4B	11.67	142.75	128.81
31	TF	201	PEB	OA-C1A-C2A	-11.67	116.90	126.17
33	LC	1003	CYC	C3B-C4B-NB	11.65	116.19	106.78
31	mE	202	PEB	C1C-CHB-C4B	11.52	142.57	128.81
31	OH	202	PEB	CHC-C1D-ND	-11.52	100.57	113.95
31	xF	302	PEB	C1C-CHB-C4B	-11.50	115.07	128.81
31	tF	201	PEB	OA-C1A-C2A	-11.50	117.03	126.17
31	mD	202	PEB	C1C-CHB-C4B	11.50	142.54	128.81
33	DE	1001	CYC	C3B-C4B-NB	11.49	116.06	106.78
31	hE	201	PEB	C1C-CHB-C4B	11.48	142.52	128.81
31	x8	302	PEB	C1C-CHB-C4B	-11.46	115.11	128.81
33	DD	1001	CYC	C3B-C4B-NB	11.42	116.01	106.78
33	p3	1001	CYC	C3B-C4B-NB	11.42	116.00	106.78
31	hD	201	PEB	C1C-CHB-C4B	11.42	142.45	128.81
33	T3	1001	CYC	C3B-C4B-NB	11.42	116.00	106.78
33	FE	1001	CYC	C3B-C4B-NB	11.41	116.00	106.78
33	r3	1001	CYC	C3B-C4B-NB	11.41	116.00	106.78
31	t8	201	PEB	OA-C1A-C2A	-11.41	117.10	126.17
33	J3	1001	CYC	C3B-C4B-NB	11.40	115.99	106.78
33	e3	1001	CYC	C3B-C4B-NB	11.40	115.99	106.78
33	G3	1001	CYC	C3B-C4B-NB	11.39	115.98	106.78
33	C3	1001	CYC	C3B-C4B-NB	11.38	115.97	106.78
33	v3	1001	CYC	C3B-C4B-NB	11.38	115.97	106.78
33	i3	1001	CYC	C3B-C4B-NB	11.37	115.96	106.78
33	MD	1001	CYC	C3B-C4B-NB	11.35	115.95	106.78
33	P3	1001	CYC	C3B-C4B-NB	11.34	115.94	106.78
33	K3	1001	CYC	C3B-C4B-NB	11.34	115.94	106.78
33	t3	1001	CYC	C3B-C4B-NB	11.34	115.94	106.78
33	FD	201	CYC	C3B-C4B-NB	11.34	115.94	106.78
33	EB	1001	CYC	C3B-C4B-NB	11.33	115.93	106.78
33	c3	1001	CYC	C3B-C4B-NB	11.32	115.93	106.78
33	E3	1001	CYC	C3B-C4B-NB	11.32	115.92	106.78
33	l3	1001	CYC	C3B-C4B-NB	11.31	115.92	106.78
33	A3	1001	CYC	C3B-C4B-NB	11.31	115.92	106.78
33	R3	1001	CYC	C3B-C4B-NB	11.31	115.91	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	g3	1001	CYC	C3B-C4B-NB	11.30	115.91	106.78
33	HD	1001	CYC	C3B-C4B-NB	11.30	115.90	106.78
33	ME	1001	CYC	C3B-C4B-NB	11.29	115.90	106.78
33	HE	1001	CYC	C3B-C4B-NB	11.29	115.90	106.78
33	m3	1001	CYC	C3B-C4B-NB	11.28	115.89	106.78
33	N3	1001	CYC	C3B-C4B-NB	11.27	115.88	106.78
32	B4	302	PUB	C2A-C1A-NA	11.26	117.20	107.21
33	E6	1001	CYC	C3B-C4B-NB	11.24	115.86	106.78
31	YK	302	PEB	C1C-CHB-C4B	-11.22	115.40	128.81
33	CB	1001	CYC	C3B-C4B-NB	11.22	115.85	106.78
33	G6	1001	CYC	C3B-C4B-NB	11.21	115.84	106.78
33	GB	1001	CYC	C3B-C4B-NB	11.18	115.81	106.78
33	DC	1003	CYC	C3B-C4B-NB	11.17	115.81	106.78
33	C6	1001	CYC	C3B-C4B-NB	11.17	115.80	106.78
31	vF	201	PEB	OA-C1A-C2A	-11.16	117.30	126.17
31	Y1	302	PEB	C1C-CHB-C4B	-11.16	115.48	128.81
33	D2	1003	CYC	C3B-C4B-NB	11.15	115.78	106.78
32	yF	303	PUB	C2A-C1A-NA	11.12	117.07	107.21
32	BH	302	PUB	C2A-C1A-NA	11.11	117.07	107.21
32	AD	303	PUB	C2A-C1A-NA	11.10	117.06	107.21
32	AH	304	PUB	C2A-C1A-NA	11.09	117.05	107.21
32	AB	303	PUB	C2A-C1A-NA	11.09	117.05	107.21
32	A6	303	PUB	C2A-C1A-NA	11.08	117.03	107.21
32	AE	303	PUB	C2A-C1A-NA	11.07	117.03	107.21
33	IB	1001	CYC	C3B-C4B-NB	11.07	115.72	106.78
33	KB	1001	CYC	C3B-C4B-NB	11.04	115.70	106.78
32	NJ	201	PUB	C2A-C1A-NA	11.03	116.99	107.21
33	K6	1001	CYC	C3B-C4B-NB	11.01	115.67	106.78
33	I6	1001	CYC	C3B-C4B-NB	11.00	115.67	106.78
32	Z9	304	PUB	C2A-C1A-NA	11.00	116.97	107.21
32	M9	304	PUB	C2A-C1A-NA	10.99	116.96	107.21
33	IE	1001	CYC	C3B-C4B-NB	10.99	115.65	106.78
31	tF	202	PEB	C1C-CHB-C4B	10.98	141.93	128.81
33	W3	1001	CYC	C3B-C4B-NB	10.98	115.65	106.78
33	y3	1001	CYC	C3B-C4B-NB	10.95	115.62	106.78
32	y8	303	PUB	C2A-C1A-NA	10.95	116.92	107.21
32	AC	303	PUB	C2A-C1A-NA	10.94	116.91	107.21
33	GD	201	CYC	C3B-C4B-NB	10.92	115.60	106.78
32	N5	201	PUB	C2A-C1A-NA	10.92	116.90	107.21
31	v8	201	PEB	OA-C1A-C2A	-10.92	117.49	126.17
32	A2	303	PUB	C2A-C1A-NA	10.90	116.88	107.21
33	GE	201	CYC	C3B-C4B-NB	10.90	115.58	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	KE	202	CYC	C3B-C4B-NB	10.90	115.58	106.78
33	ID	1001	CYC	C3B-C4B-NB	10.89	115.58	106.78
33	K2	201	CYC	C3B-C4B-NB	10.88	115.57	106.78
33	MB	1001	CYC	C3B-C4B-NB	10.88	115.57	106.78
31	t8	202	PEB	C1C-CHB-C4B	10.88	141.80	128.81
33	M6	1001	CYC	C3B-C4B-NB	10.87	115.56	106.78
33	j3	1001	CYC	C3B-C4B-NB	10.87	115.56	106.78
32	A4	304	PUB	C2A-C1A-NA	10.86	116.84	107.21
33	H3	1001	CYC	C3B-C4B-NB	10.86	115.55	106.78
33	d3	1001	CYC	C3B-C4B-NB	10.85	115.55	106.78
31	gH	201	PEB	C1C-CHB-C4B	-10.84	115.86	128.81
33	h3	1001	CYC	C3B-C4B-NB	10.84	115.53	106.78
33	63	901	CYC	C3B-C4B-NB	10.84	115.53	106.78
33	I3	1001	CYC	C3B-C4B-NB	10.83	115.53	106.78
31	AI	202	PEB	CHB-C4B-NB	-10.83	113.80	128.83
31	GI	202	PEB	CHB-C4B-NB	-10.83	113.81	128.83
31	KI	202	PEB	CHB-C4B-NB	-10.83	113.81	128.83
33	L3	1001	CYC	C3B-C4B-NB	10.83	115.53	106.78
32	A6	302	PUB	C2A-C1A-NA	10.83	116.81	107.21
33	q3	1001	CYC	C3B-C4B-NB	10.83	115.53	106.78
33	Q3	1001	CYC	C3B-C4B-NB	10.82	115.52	106.78
33	o3	1001	CYC	C3B-C4B-NB	10.82	115.52	106.78
32	Q4	202	PUB	C2A-C1A-NA	10.82	116.81	107.21
31	VI	202	PEB	CHB-C4B-NB	-10.82	113.82	128.83
33	D3	1001	CYC	C3B-C4B-NB	10.82	115.52	106.78
33	k3	1001	CYC	C3B-C4B-NB	10.82	115.52	106.78
33	M3	1001	CYC	C3B-C4B-NB	10.82	115.52	106.78
31	RI	202	PEB	CHB-C4B-NB	-10.82	113.83	128.83
31	II	202	PEB	CHB-C4B-NB	-10.81	113.83	128.83
33	KC	201	CYC	C3B-C4B-NB	10.81	115.51	106.78
33	n3	1001	CYC	C3B-C4B-NB	10.81	115.51	106.78
33	B3	1001	CYC	C3B-C4B-NB	10.80	115.50	106.78
33	S3	1001	CYC	C3B-C4B-NB	10.80	115.50	106.78
31	PI	202	PEB	CHB-C4B-NB	-10.80	113.85	128.83
33	EE	1001	CYC	C3B-C4B-NB	10.80	115.50	106.78
33	O3	1001	CYC	C3B-C4B-NB	10.80	115.50	106.78
31	EI	202	PEB	CHB-C4B-NB	-10.80	113.85	128.83
31	TI	202	PEB	CHB-C4B-NB	-10.80	113.85	128.83
33	f3	1001	CYC	C3B-C4B-NB	10.80	115.50	106.78
33	F3	1001	CYC	C3B-C4B-NB	10.79	115.50	106.78
33	73	1002	CYC	C3B-C4B-NB	10.79	115.50	106.78
33	U3	1001	CYC	C3B-C4B-NB	10.79	115.49	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	w3	1001	CYC	C3B-C4B-NB	10.79	115.49	106.78
31	NI	202	PEB	CHB-C4B-NB	-10.79	113.86	128.83
33	73	1001	CYC	C3B-C4B-NB	10.79	115.49	106.78
33	FD	202	CYC	C3B-C4B-NB	10.78	115.48	106.78
31	XI	202	PEB	CHB-C4B-NB	-10.77	113.89	128.83
31	CI	202	PEB	CHB-C4B-NB	-10.77	113.89	128.83
33	u3	1001	CYC	C3B-C4B-NB	10.75	115.46	106.78
32	ZI	302	PUB	C2A-C1A-NA	10.74	116.73	107.21
32	A4	303	PUB	C2A-C1A-NA	10.73	116.73	107.21
32	AB	302	PUB	C2A-C1A-NA	10.73	116.72	107.21
32	CI	203	PUB	C2A-C1A-NA	10.72	116.72	107.21
33	ED	1001	CYC	C3B-C4B-NB	10.71	115.43	106.78
32	MI	303	PUB	C2A-C1A-NA	10.70	116.70	107.21
33	M2	201	CYC	C3B-C4B-NB	10.70	115.42	106.78
32	AH	303	PUB	C2A-C1A-NA	10.70	116.70	107.21
32	ZI	305	PUB	C2A-C1A-NA	10.67	116.67	107.21
33	CE	1001	CYC	C3B-C4B-NB	10.66	115.39	106.78
33	JC	1003	CYC	C3B-C4B-NB	10.65	115.38	106.78
31	ZG	401	PEB	OA-C1A-C2A	-10.64	117.71	126.17
33	D6	1001	CYC	C3B-C4B-NB	10.64	115.37	106.78
32	x8	301	PUB	C2A-C1A-NA	10.64	116.64	107.21
32	xF	301	PUB	C2A-C1A-NA	10.62	116.63	107.21
32	YK	304	PUB	C2A-C1A-NA	10.61	116.62	107.21
33	DB	1001	CYC	C3B-C4B-NB	10.61	115.35	106.78
32	AD	302	PUB	C2A-C1A-NA	10.60	116.61	107.21
32	K1	203	PUB	C2A-C1A-NA	10.59	116.61	107.21
32	x8	305	PUB	C2A-C1A-NA	10.57	116.59	107.21
32	wF	304	PUB	C2A-C1A-NA	10.57	116.58	107.21
32	Y1	304	PUB	C2A-C1A-NA	10.55	116.57	107.21
32	yF	302	PUB	C2A-C1A-NA	10.55	116.57	107.21
32	y8	302	PUB	C2A-C1A-NA	10.54	116.56	107.21
32	AE	302	PUB	C2A-C1A-NA	10.54	116.56	107.21
31	TA	201	PEB	CMB-C2B-C1B	10.54	141.29	125.06
32	KK	203	PUB	C2A-C1A-NA	10.53	116.55	107.21
32	w8	304	PUB	C2A-C1A-NA	10.53	116.55	107.21
32	xF	305	PUB	C2A-C1A-NA	10.53	116.55	107.21
31	JA	201	PEB	CMB-C2B-C1B	10.51	141.24	125.06
33	D2	1001	CYC	C3B-C4B-NB	10.50	115.27	106.78
32	xF	306	PUB	C2A-C1A-NA	10.50	116.52	107.21
33	C2	1001	CYC	C3B-C4B-NB	10.50	115.26	106.78
32	A5	303	PUB	C2A-C1A-NA	10.50	116.52	107.21
32	x8	306	PUB	C2A-C1A-NA	10.48	116.51	107.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	FC	1001	CYC	C3B-C4B-NB	10.48	115.24	106.78
33	DC	1001	CYC	C3B-C4B-NB	10.45	115.22	106.78
33	CC	1001	CYC	C3B-C4B-NB	10.43	115.20	106.78
32	ZI	305	PUB	CHC-C1D-ND	-10.42	100.54	113.72
33	F2	1001	CYC	C3B-C4B-NB	10.42	115.19	106.78
32	CI	203	PUB	CHC-C1D-ND	-10.40	100.56	113.72
32	AJ	303	PUB	C2A-C1A-NA	10.40	116.43	107.21
33	J2	1001	CYC	C3B-C4B-NB	10.40	115.18	106.78
33	BD	1001	CYC	C3B-C4B-NB	10.32	115.11	106.78
32	QH	202	PUB	C2A-C1A-NA	10.32	116.36	107.21
32	Z9	305	PUB	C2A-C1A-NA	10.28	116.33	107.21
32	M9	305	PUB	C2A-C1A-NA	10.28	116.32	107.21
33	N6	1001	CYC	C3B-C4B-NB	10.27	115.08	106.78
32	AC	304	PUB	C4B-CHB-C1C	-10.23	116.59	128.81
33	JC	1001	CYC	C3B-C4B-NB	10.21	115.03	106.78
33	NB	1001	CYC	C3B-C4B-NB	10.20	115.02	106.78
32	A2	304	PUB	C4B-CHB-C1C	-10.20	116.63	128.81
33	LD	1001	CYC	C3B-C4B-NB	10.15	114.98	106.78
33	BE	1001	CYC	C3B-C4B-NB	10.15	114.97	106.78
33	LE	1001	CYC	C3B-C4B-NB	10.13	114.96	106.78
31	WH	202	PEB	CHC-C1D-ND	-10.11	102.21	113.95
33	HC	1001	CYC	C3B-C4B-NB	10.11	114.94	106.78
31	LF	202	PEB	C1C-CHB-C4B	10.10	140.88	128.81
33	H2	1001	CYC	C3B-C4B-NB	10.10	114.93	106.78
31	Q8	203	PEB	C1C-CHB-C4B	10.07	140.84	128.81
31	jC	202	PEB	CHB-C4B-NB	-10.06	114.87	128.83
31	j2	202	PEB	CHB-C4B-NB	-10.04	114.90	128.83
31	L8	202	PEB	C1C-CHB-C4B	10.02	140.78	128.81
31	QF	203	PEB	C1C-CHB-C4B	9.97	140.72	128.81
31	j8	201	PEB	OA-C1A-C2A	-9.87	118.33	126.17
33	J6	1001	CYC	C3B-C4B-NB	9.86	114.74	106.78
33	JB	1001	CYC	C3B-C4B-NB	9.83	114.72	106.78
31	jF	201	PEB	OA-C1A-C2A	-9.77	118.41	126.17
33	L2	1001	CYC	C3B-C4B-NB	9.71	114.62	106.78
31	KH	202	PEB	CHC-C1D-ND	-9.67	102.72	113.95
31	d4	203	PEB	CHC-C1D-ND	-9.66	102.73	113.95
31	JK	202	PEB	C1C-CHB-C4B	9.59	140.27	128.81
31	Y1	302	PEB	CHB-C4B-NB	-9.58	115.55	128.83
33	NC	1001	CYC	C3B-C4B-NB	9.57	114.51	106.78
33	LC	1001	CYC	C3B-C4B-NB	9.57	114.51	106.78
31	J1	202	PEB	C1C-CHB-C4B	9.56	140.23	128.81
31	NK	202	PEB	C1C-CHB-C4B	9.55	140.22	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N1	202	PEB	C1C-CHB-C4B	9.52	140.18	128.81
31	YK	302	PEB	CHB-C4B-NB	-9.51	115.64	128.83
33	N2	1001	CYC	C3B-C4B-NB	9.50	114.45	106.78
31	VF	202	PEB	C1C-CHB-C4B	9.46	140.11	128.81
31	FJ	203	PEB	CHB-C4B-NB	-9.45	115.71	128.83
31	F5	203	PEB	CHB-C4B-NB	-9.45	115.72	128.83
31	V8	202	PEB	C1C-CHB-C4B	9.44	140.08	128.81
32	CI	203	PUB	CHB-C1C-NC	-9.40	115.78	128.83
31	lC	202	PEB	CHB-C4B-NB	-9.40	115.79	128.83
32	ZI	305	PUB	CHB-C1C-NC	-9.39	115.80	128.83
31	x8	302	PEB	CHB-C4B-NB	-9.38	115.82	128.83
31	d2	203	PEB	CHB-C4B-NB	-9.37	115.83	128.83
31	dC	203	PEB	CHB-C4B-NB	-9.35	115.85	128.83
31	G8	202	PEB	OA-C1A-C2A	9.35	133.61	126.17
31	F8	202	PEB	C1C-CHB-C4B	9.34	139.97	128.81
31	GF	202	PEB	OA-C1A-C2A	9.33	133.59	126.17
31	xF	302	PEB	CHB-C4B-NB	-9.33	115.89	128.83
31	B1	202	PEB	C1C-CHB-C4B	9.32	139.95	128.81
31	L6	1002	PEB	CHC-C1D-ND	-9.31	103.14	113.95
31	FF	202	PEB	C1C-CHB-C4B	9.31	139.93	128.81
31	M9	303	PEB	C1C-CHB-C4B	-9.29	117.71	128.81
31	Z9	303	PEB	C1C-CHB-C4B	-9.29	117.71	128.81
31	A5	301	PEB	C1C-CHB-C4B	-9.28	117.72	128.81
31	l2	203	PEB	CHB-C4B-NB	-9.28	115.95	128.83
31	AJ	301	PEB	C1C-CHB-C4B	-9.27	117.74	128.81
31	UI	204	PEB	CHB-C4B-NB	-9.26	115.98	128.83
31	LB	1002	PEB	CHC-C1D-ND	-9.25	103.20	113.95
31	BK	202	PEB	C1C-CHB-C4B	9.25	139.86	128.81
31	VG	203	PEB	CHC-C4C-C3C	-9.25	114.56	130.34
31	V8	201	PEB	OA-C1A-C2A	-9.22	118.85	126.17
31	gE	202	PEB	C1C-CHB-C4B	-9.17	117.86	128.81
31	NH	201	PEB	C1C-CHB-C4B	-9.15	117.88	128.81
31	gD	202	PEB	C1C-CHB-C4B	-9.12	117.92	128.81
31	Y1	302	PEB	CHC-C1D-ND	-9.06	103.42	113.95
31	FK	202	PEB	CHC-C4C-C3C	-9.06	114.89	130.34
31	YK	302	PEB	CHC-C1D-ND	-9.04	103.45	113.95
31	VF	201	PEB	OA-C1A-C2A	-9.03	118.99	126.17
31	F1	202	PEB	CHC-C4C-C3C	-9.02	114.95	130.34
32	AC	304	PUB	CHB-C1C-NC	-9.01	116.33	128.83
31	BF	202	PEB	C1C-CHB-C4B	8.99	139.55	128.81
32	A2	304	PUB	CHB-C1C-NC	-8.97	116.39	128.83
31	FF	201	PEB	C2A-C1A-NA	8.96	116.00	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	B1	202	PEB	OA-C1A-C2A	-8.96	119.05	126.17
31	F8	201	PEB	C2A-C1A-NA	8.96	116.00	108.27
31	YK	303	PEB	C1C-CHB-C4B	-8.95	118.12	128.81
31	B8	202	PEB	C1C-CHB-C4B	8.94	139.49	128.81
31	BK	202	PEB	OA-C1A-C2A	-8.93	119.08	126.17
31	Z9	303	PEB	CHB-C4B-NB	-8.92	116.46	128.83
31	Y1	303	PEB	C1C-CHB-C4B	-8.90	118.18	128.81
31	FJ	203	PEB	C1C-CHB-C4B	8.89	139.43	128.81
31	M9	303	PEB	CHB-C4B-NB	-8.88	116.51	128.83
33	LB	1001	CYC	C3B-C4B-NB	8.88	113.95	106.78
33	L6	1001	CYC	C3B-C4B-NB	8.85	113.93	106.78
31	UC	201	PEB	C1C-CHB-C4B	8.84	139.37	128.81
31	G8	201	PEB	CHB-C4B-NB	-8.82	116.59	128.83
31	F5	203	PEB	C1C-CHB-C4B	8.82	139.34	128.81
31	GF	201	PEB	CHB-C4B-NB	-8.81	116.61	128.83
32	KK	203	PUB	C4B-CHB-C1C	-8.80	118.30	128.81
31	KG	201	PEB	CHC-C4C-C3C	-8.80	115.33	130.34
31	U2	201	PEB	C1C-CHB-C4B	8.78	139.29	128.81
31	A2	305	PEB	C1C-CHB-C4B	-8.78	118.33	128.81
32	K1	203	PUB	C4B-CHB-C1C	-8.76	118.35	128.81
31	BG	202	PEB	CHC-C4C-C3C	-8.75	115.41	130.34
31	eH	201	PEB	C1C-CHB-C4B	-8.75	118.36	128.81
31	X8	201	PEB	C2A-C1A-NA	8.71	115.78	108.27
31	AC	305	PEB	C1C-CHB-C4B	-8.70	118.42	128.81
33	BE	1002	CYC	C3B-C4B-NB	8.67	113.78	106.78
31	DH	202	PEB	C1C-CHB-C4B	-8.67	118.45	128.81
33	BD	1002	CYC	C3B-C4B-NB	8.65	113.76	106.78
31	q8	203	PEB	C1C-CHB-C4B	8.64	139.13	128.81
31	f2	202	PEB	C1C-CHB-C4B	-8.63	118.50	128.81
31	cH	202	PEB	C1C-CHB-C4B	-8.63	118.50	128.81
31	XF	201	PEB	C2A-C1A-NA	8.60	115.69	108.27
31	qF	203	PEB	C1C-CHB-C4B	8.59	139.08	128.81
31	VC	203	PEB	C1C-CHB-C4B	8.55	139.03	128.81
32	M9	305	PUB	CBB-CAB-C3B	8.54	127.19	112.62
32	ZI	302	PUB	CHB-C1C-NC	-8.54	116.98	128.83
31	V2	203	PEB	C1C-CHB-C4B	8.52	138.99	128.81
31	fC	202	PEB	C1C-CHB-C4B	-8.52	118.63	128.81
32	MI	303	PUB	CHB-C1C-NC	-8.52	117.01	128.83
32	Z9	305	PUB	CBB-CAB-C3B	8.52	127.15	112.62
32	CI	203	PUB	C4B-CHB-C1C	8.50	138.97	128.81
32	ZI	305	PUB	C4B-CHB-C1C	8.49	138.96	128.81
31	RG	203	PEB	CHC-C4C-C3C	-8.49	115.85	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	IG	203	PEB	CHA-C1B-NB	-8.46	107.23	124.93
31	cH	202	PEB	CHB-C4B-NB	-8.46	117.09	128.83
31	lF	201	PEB	OA-C1A-C2A	-8.46	119.45	126.17
31	l8	201	PEB	OA-C1A-C2A	-8.45	119.46	126.17
31	RF	201	PEB	C2A-C1A-NA	8.43	115.54	108.27
32	MI	303	PUB	C4B-CHB-C1C	-8.43	118.74	128.81
31	HF	202	PEB	C1C-CHB-C4B	8.42	138.87	128.81
31	WH	203	PEB	CHC-C4C-C3C	-8.41	115.99	130.34
31	N4	201	PEB	C1C-CHB-C4B	-8.41	118.77	128.81
31	FF	201	PEB	CHA-C4A-NA	8.39	135.18	125.20
31	HG	203	PEB	CHC-C4C-C3C	-8.38	116.04	130.34
31	H8	202	PEB	C1C-CHB-C4B	8.38	138.82	128.81
32	ZI	302	PUB	C4B-CHB-C1C	-8.38	118.80	128.81
31	OG	202	PEB	CHA-C1B-NB	-8.37	107.43	124.93
31	a4	203	PEB	CHC-C1D-ND	-8.33	104.27	113.95
31	F8	201	PEB	CHA-C4A-NA	8.33	135.11	125.20
31	X8	201	PEB	CHA-C4A-NA	8.33	135.10	125.20
31	R8	201	PEB	C2A-C1A-NA	8.33	115.45	108.27
31	LK	202	PEB	C1C-CHB-C4B	8.32	138.75	128.81
31	L1	202	PEB	C1C-CHB-C4B	8.30	138.72	128.81
31	HH	202	PEB	CHB-C4B-NB	-8.30	117.32	128.83
31	kF	203	PEB	C1C-CHB-C4B	8.30	138.72	128.81
31	KK	201	PEB	C1C-CHB-C4B	8.28	138.70	128.81
31	N1	202	PEB	OA-C1A-C2A	-8.27	119.59	126.17
31	K1	201	PEB	C1C-CHB-C4B	8.27	138.69	128.81
31	NG	203	PEB	CHC-C4C-C3C	-8.25	116.28	130.34
31	NK	202	PEB	OA-C1A-C2A	-8.23	119.63	126.17
33	L2	1001	CYC	C4D-CHA-C1A	8.22	138.63	128.81
31	k8	203	PEB	C1C-CHB-C4B	8.22	138.63	128.81
31	XF	201	PEB	CHA-C4A-NA	8.22	134.97	125.20
33	LC	1001	CYC	C4D-CHA-C1A	8.18	138.58	128.81
31	EH	201	PEB	CHC-C4C-C3C	-8.18	116.38	130.34
31	QF	203	PEB	CHC-C4C-C3C	-8.18	116.39	130.34
31	Q9	202	PEB	CHC-C1D-ND	-8.17	104.46	113.95
31	Z2	201	PEB	OA-C1A-C2A	-8.16	119.68	126.17
31	Q8	203	PEB	CHC-C4C-C3C	-8.16	116.42	130.34
31	BI	202	PEB	CHC-C4C-C3C	-8.16	116.43	130.34
31	IG	203	PEB	CHC-C4C-C3C	-8.14	116.45	130.34
31	OH	203	PEB	CHC-C4C-C3C	-8.14	116.46	130.34
31	A5	301	PEB	CHB-C4B-NB	-8.13	117.56	128.83
31	AJ	301	PEB	CHB-C4B-NB	-8.13	117.56	128.83
31	U8	201	PEB	CMB-C2B-C1B	8.12	137.56	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	L8	201	PEB	CHA-C4A-NA	8.11	134.85	125.20
31	UF	201	PEB	CMB-C2B-C1B	8.11	137.55	125.06
31	Z4	202	PEB	C1C-CHB-C4B	-8.09	119.14	128.81
31	g2	202	PEB	OA-C1A-C2A	-8.09	119.74	126.17
31	LF	201	PEB	CHA-C4A-NA	8.09	134.83	125.20
31	H4	202	PEB	CHB-C4B-NB	-8.08	117.62	128.83
31	gH	202	PEB	CHB-C4B-NB	-8.06	117.65	128.83
31	XF	202	PEB	CHC-C4C-C3C	-8.05	116.60	130.34
31	Y1	301	PEB	C1C-CHB-C4B	-8.04	119.20	128.81
33	w3	1001	CYC	CHD-C4C-NC	8.04	134.76	125.20
33	d3	1001	CYC	CHD-C4C-NC	8.03	134.75	125.20
31	ZC	201	PEB	OA-C1A-C2A	-8.02	119.80	126.17
31	gC	202	PEB	OA-C1A-C2A	-8.02	119.80	126.17
31	q8	201	PEB	C1C-CHB-C4B	8.01	138.38	128.81
32	AH	303	PUB	C4B-CHB-C1C	-8.01	119.24	128.81
33	U3	1001	CYC	CHD-C4C-NC	8.01	134.72	125.20
31	qF	201	PEB	C1C-CHB-C4B	8.00	138.37	128.81
31	R8	201	PEB	CHA-C4A-NA	8.00	134.71	125.20
33	I3	1001	CYC	CHD-C4C-NC	7.99	134.71	125.20
31	YK	301	PEB	C1C-CHB-C4B	-7.99	119.26	128.81
31	bC	202	PEB	CHB-C4B-NB	-7.99	117.74	128.83
33	h3	1001	CYC	CHD-C4C-NC	7.99	134.70	125.20
33	f3	1001	CYC	CHD-C4C-NC	7.98	134.69	125.20
31	b2	202	PEB	CHB-C4B-NB	-7.98	117.77	128.83
31	X8	202	PEB	CHC-C4C-C3C	-7.97	116.74	130.34
33	j3	1001	CYC	CHD-C4C-NC	7.97	134.69	125.20
31	QC	201	PEB	CHC-C4C-C3C	-7.97	116.74	130.34
31	Z4	202	PEB	CHB-C4B-NB	-7.97	117.77	128.83
33	O3	1001	CYC	CHD-C4C-NC	7.97	134.68	125.20
31	Q2	201	PEB	CHC-C4C-C3C	-7.97	116.74	130.34
33	o3	1001	CYC	CHD-C4C-NC	7.97	134.68	125.20
32	A4	303	PUB	C4B-CHB-C1C	-7.97	119.29	128.81
33	M3	1001	CYC	CHD-C4C-NC	7.97	134.68	125.20
33	D3	1001	CYC	CHD-C4C-NC	7.96	134.67	125.20
33	H3	1001	CYC	CHD-C4C-NC	7.96	134.67	125.20
33	n3	1001	CYC	CHD-C4C-NC	7.96	134.67	125.20
33	u3	1001	CYC	CHD-C4C-NC	7.96	134.67	125.20
33	F3	1001	CYC	CHD-C4C-NC	7.96	134.67	125.20
33	S3	1001	CYC	CHD-C4C-NC	7.96	134.67	125.20
33	B3	1001	CYC	CHD-C4C-NC	7.96	134.66	125.20
33	L3	1001	CYC	CHD-C4C-NC	7.95	134.66	125.20
33	Q3	1001	CYC	CHD-C4C-NC	7.95	134.66	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	k3	1001	CYC	CHD-C4C-NC	7.95	134.66	125.20
31	QF	203	PEB	CHB-C4B-NB	-7.95	117.80	128.83
33	q3	1001	CYC	CHD-C4C-NC	7.95	134.66	125.20
31	O2	202	PEB	CHB-C4B-NB	-7.95	117.80	128.83
31	RF	201	PEB	CHA-C4A-NA	7.94	134.65	125.20
33	73	1001	CYC	CHD-C4C-NC	7.94	134.64	125.20
31	HF	201	PEB	CHC-C4C-C3C	-7.93	116.81	130.34
31	MI	305	PEB	C1C-CHB-C4B	-7.92	119.34	128.81
31	Q8	203	PEB	CHB-C4B-NB	-7.92	117.84	128.83
31	LK	202	PEB	OA-C1A-C2A	-7.91	119.88	126.17
31	dF	201	PEB	OA-C1A-C2A	-7.91	119.88	126.17
31	H8	201	PEB	CHC-C4C-C3C	-7.91	116.85	130.34
31	eH	201	PEB	CHB-C4B-NB	-7.91	117.86	128.83
31	jC	203	PEB	CHC-C4C-C3C	-7.91	116.85	130.34
31	j2	203	PEB	CHC-C4C-C3C	-7.91	116.85	130.34
31	H4	201	PEB	C1C-CHB-C4B	-7.89	119.39	128.81
31	ZI	304	PEB	C1C-CHB-C4B	-7.89	119.39	128.81
31	LF	201	PEB	C2A-C1A-NA	7.88	115.07	108.27
31	l4	201	PEB	C1C-CHB-C4B	7.88	138.22	128.81
31	L8	201	PEB	C2A-C1A-NA	7.88	115.06	108.27
31	d8	201	PEB	OA-C1A-C2A	-7.88	119.91	126.17
31	DH	201	PEB	CHB-C4B-NB	-7.86	117.92	128.83
31	fC	202	PEB	CHB-C4B-NB	-7.86	117.93	128.83
31	KH	202	PEB	CHC-C4C-C3C	-7.86	116.94	130.34
31	OC	202	PEB	CHB-C4B-NB	-7.86	117.93	128.83
33	73	1002	CYC	CHB-C4A-NA	-7.85	108.50	124.93
31	R4	202	PEB	C1C-CHB-C4B	-7.85	119.43	128.81
32	AH	303	PUB	CHC-C1D-ND	-7.83	103.81	113.72
31	gH	201	PEB	CHB-C4B-NB	-7.83	117.96	128.83
31	d4	201	PEB	CHC-C4C-C3C	-7.83	116.98	130.34
33	N2	1001	CYC	C4D-CHA-C1A	7.83	138.16	128.81
31	ZI	304	PEB	CHB-C4B-NB	-7.83	117.97	128.83
31	RK	202	PEB	OA-C1A-C2A	-7.83	119.95	126.17
31	MI	305	PEB	CHB-C4B-NB	-7.83	117.97	128.83
31	J1	201	PEB	C1C-CHB-C4B	-7.82	119.46	128.81
31	f2	202	PEB	CHB-C4B-NB	-7.82	117.98	128.83
31	WG	202	PEB	CHC-C4C-C3C	-7.82	117.00	130.34
31	R1	202	PEB	OA-C1A-C2A	-7.82	119.96	126.17
33	63	901	CYC	CHB-C4A-NA	-7.81	108.59	124.93
31	eD	202	PEB	C1C-CHB-C4B	7.81	138.14	128.81
31	TG	201	PEB	CHC-C4C-C3C	-7.81	117.02	130.34
31	k4	202	PEB	CHB-C4B-NB	-7.81	118.00	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	X4	202	PEB	C1C-CHB-C4B	-7.80	119.49	128.81
31	nF	201	PEB	CHA-C4A-NA	7.80	134.48	125.20
33	L2	1001	CYC	CMA-C3A-C4A	7.80	137.08	125.06
31	F4	201	PEB	C1C-CHB-C4B	-7.80	119.50	128.81
32	Z9	304	PUB	CHC-C1D-ND	-7.79	103.86	113.72
31	JK	201	PEB	C1C-CHB-C4B	-7.78	119.51	128.81
31	X1	202	PEB	OA-C1A-C2A	-7.78	119.99	126.17
31	YH	201	PEB	C1C-CHB-C4B	7.77	138.10	128.81
31	pF	201	PEB	OA-C1A-C2A	-7.76	120.00	126.17
32	M9	304	PUB	CHC-C1D-ND	-7.76	103.90	113.72
31	XK	202	PEB	OA-C1A-C2A	-7.76	120.00	126.17
33	BD	1002	CYC	CMA-C3A-C4A	7.76	137.02	125.06
31	eE	202	PEB	C1C-CHB-C4B	7.75	138.06	128.81
31	KH	203	PEB	CHC-C4C-C3C	-7.74	117.14	130.34
31	AG	203	PEB	CHC-C4C-C3C	-7.74	117.14	130.34
31	bC	202	PEB	C1C-CHB-C4B	-7.74	119.57	128.81
31	NF	201	PEB	CHA-C4A-NA	7.73	134.40	125.20
31	H4	202	PEB	C1C-CHB-C4B	-7.73	119.58	128.81
31	B8	201	PEB	C2A-C1A-NA	7.72	114.93	108.27
31	j4	201	PEB	CHB-C4B-NB	-7.72	118.12	128.83
31	L4	202	PEB	CHB-C4B-NB	-7.72	118.12	128.83
31	L1	202	PEB	OA-C1A-C2A	-7.71	120.04	126.17
31	Y1	301	PEB	CHB-C4B-NB	-7.71	118.14	128.83
31	XJ	201	PEB	C1C-CHB-C4B	7.70	138.01	128.81
31	LH	201	PEB	C1C-CHB-C4B	-7.70	119.61	128.81
31	Q9	202	PEB	C1C-CHB-C4B	7.70	138.01	128.81
31	IG	203	PEB	CHB-C4B-NB	-7.70	118.15	128.83
33	BE	1002	CYC	CMA-C3A-C4A	7.70	136.92	125.06
31	bF	202	PEB	C1C-CHB-C4B	7.70	138.00	128.81
31	P4	201	PEB	CHB-C4B-NB	-7.69	118.16	128.83
33	NC	1001	CYC	C4D-CHA-C1A	7.69	138.00	128.81
31	p8	201	PEB	OA-C1A-C2A	-7.69	120.06	126.17
31	UA	304	PEB	C1C-CHB-C4B	-7.69	119.62	128.81
33	LC	1001	CYC	CMA-C3A-C4A	7.69	136.90	125.06
31	s8	203	PEB	CHC-C4C-C3C	-7.68	117.23	130.34
31	BF	201	PEB	C2A-C1A-NA	7.68	114.89	108.27
31	b8	202	PEB	C1C-CHB-C4B	7.68	137.98	128.81
31	n8	201	PEB	CHA-C4A-NA	7.68	134.33	125.20
32	B4	302	PUB	CAD-C3D-C4D	7.67	133.50	121.38
31	YK	301	PEB	CHB-C4B-NB	-7.67	118.19	128.83
31	HG	203	PEB	CHA-C1B-NB	-7.67	108.89	124.93
31	I4	201	PEB	CHC-C4C-C3C	-7.67	117.26	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	c6	202	PEB	C1C-CHB-C4B	7.66	137.95	128.81
31	i4	201	PEB	CHB-C4B-NB	-7.65	118.22	128.83
31	N8	201	PEB	CHA-C4A-NA	7.65	134.30	125.20
31	eD	203	PEB	C1C-CHB-C4B	-7.64	119.68	128.81
31	SH	201	PEB	CHB-C4B-NB	-7.64	118.23	128.83
31	eD	203	PEB	CHB-C4B-NB	-7.63	118.24	128.83
31	b2	202	PEB	C1C-CHB-C4B	-7.63	119.69	128.81
31	QH	201	PEB	C1C-CHB-C4B	7.62	137.91	128.81
31	d4	201	PEB	C1C-CHB-C4B	7.61	137.90	128.81
31	gH	202	PEB	C1C-CHB-C4B	-7.61	119.72	128.81
31	X4	202	PEB	CHB-C4B-NB	-7.60	118.28	128.83
31	s8	203	PEB	CHB-C4B-NB	-7.60	118.28	128.83
31	P5	201	PEB	C1C-CHB-C4B	7.60	137.89	128.81
31	f4	203	PEB	CHC-C4C-C3C	-7.60	117.38	130.34
31	sF	203	PEB	CHC-C4C-C3C	-7.59	117.39	130.34
31	X5	201	PEB	C1C-CHB-C4B	7.59	137.88	128.81
31	cB	202	PEB	C1C-CHB-C4B	7.59	137.88	128.81
31	DD	1002	PEB	CHB-C4B-NB	-7.59	118.31	128.83
32	MI	303	PUB	CHC-C1D-ND	-7.58	104.13	113.72
31	PJ	201	PEB	C1C-CHB-C4B	7.58	137.86	128.81
31	b2	203	PEB	C1C-CHB-C4B	7.58	137.86	128.81
31	iH	201	PEB	CHB-C4B-NB	-7.58	118.32	128.83
32	ZI	302	PUB	CHC-C1D-ND	-7.57	104.14	113.72
31	e4	201	PEB	CHB-C4B-NB	-7.57	118.33	128.83
31	WC	202	PEB	C1C-CHB-C4B	-7.56	119.78	128.81
31	J1	203	PEB	CHB-C4B-NB	-7.56	118.34	128.83
31	eC	203	PEB	C1C-CHB-C4B	7.56	137.84	128.81
31	DE	1002	PEB	CHB-C4B-NB	-7.56	118.34	128.83
31	sF	203	PEB	CHB-C4B-NB	-7.55	118.35	128.83
31	BF	201	PEB	CHA-C4A-NA	7.55	134.18	125.20
31	MF	203	PEB	CHC-C4C-C3C	-7.55	117.46	130.34
31	B8	201	PEB	CHA-C4A-NA	7.55	134.18	125.20
31	M8	203	PEB	CHC-C4C-C3C	-7.54	117.47	130.34
31	BI	202	PEB	CHB-C4B-NB	-7.54	118.38	128.83
31	LK	202	PEB	CHC-C4C-C3C	-7.53	117.49	130.34
31	W2	202	PEB	C1C-CHB-C4B	-7.52	119.82	128.81
31	ZH	202	PEB	CHB-C4B-NB	-7.52	118.39	128.83
31	J4	202	PEB	CHB-C4B-NB	-7.52	118.39	128.83
31	VG	203	PEB	CHA-C1B-NB	-7.52	109.21	124.93
31	OG	202	PEB	CHC-C4C-C3C	-7.51	117.52	130.34
31	R4	202	PEB	CHB-C4B-NB	-7.51	118.41	128.83
31	JK	203	PEB	CHB-C4B-NB	-7.50	118.42	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	b6	201	PEB	C1C-CHB-C4B	7.50	137.77	128.81
31	K4	203	PEB	C1C-CHB-C4B	7.50	137.77	128.81
31	L1	202	PEB	CHC-C4C-C3C	-7.50	117.55	130.34
31	Q8	203	PEB	CHA-C1B-NB	-7.49	109.27	124.93
31	UA	304	PEB	CHB-C4B-NB	-7.49	118.44	128.83
31	bB	201	PEB	C1C-CHB-C4B	7.46	137.72	128.81
32	ZI	302	PUB	C1D-CHC-C4C	-7.45	97.16	113.37
31	F9	202	PEB	C1C-CHB-C4B	7.44	137.70	128.81
31	aB	202	PEB	C1C-CHB-C4B	7.44	137.70	128.81
31	QF	203	PEB	CHA-C1B-NB	-7.44	109.36	124.93
32	MI	303	PUB	C1D-CHC-C4C	-7.43	97.20	113.37
31	GG	201	PEB	CHA-C1B-NB	-7.43	109.39	124.93
31	I8	203	PEB	CHC-C1D-ND	-7.42	105.33	113.95
31	RF	202	PEB	C1C-CHB-C4B	7.42	137.68	128.81
31	Y4	201	PEB	CHC-C4C-C3C	-7.41	117.70	130.34
31	DF	203	PEB	CHC-C1D-ND	-7.41	105.34	113.95
31	pF	201	PEB	C1C-CHB-C4B	-7.41	119.96	128.81
31	M9	302	PEB	C1C-CHB-C4B	-7.40	119.97	128.81
31	NH	202	PEB	CHB-C4B-NB	-7.40	118.56	128.83
33	73	1002	CYC	CMA-C3A-C4A	7.39	136.45	125.06
31	R8	202	PEB	C1C-CHB-C4B	7.39	137.64	128.81
31	D8	203	PEB	CHC-C1D-ND	-7.39	105.37	113.95
31	WF	201	PEB	CHC-C4C-C3C	-7.39	117.74	130.34
31	YF	203	PEB	CHC-C4C-C3C	-7.38	117.74	130.34
31	p8	201	PEB	C1C-CHB-C4B	-7.38	120.00	128.81
31	IF	203	PEB	CHC-C1D-ND	-7.37	105.39	113.95
31	Y8	203	PEB	CHC-C4C-C3C	-7.37	117.77	130.34
31	mH	202	PEB	CHB-C4B-NB	-7.36	118.61	128.83
31	W8	201	PEB	CHC-C4C-C3C	-7.36	117.78	130.34
31	I7	203	PEB	CMD-C2D-C3D	-7.36	119.68	130.06
31	oF	201	PEB	CHB-C4B-NB	-7.36	118.61	128.83
31	Z9	302	PEB	C1C-CHB-C4B	-7.36	120.02	128.81
31	t8	201	PEB	CHA-C4A-NA	7.35	133.95	125.20
31	h4	202	PEB	CHB-C4B-NB	-7.34	118.64	128.83
31	Q1	201	PEB	CHC-C4C-C3C	-7.34	117.82	130.34
31	L5	201	PEB	CHC-C4C-C3C	-7.33	117.84	130.34
31	HI	202	PEB	CHC-C4C-C3C	-7.33	117.84	130.34
32	x8	305	PUB	CHB-C1C-NC	-7.32	118.67	128.83
31	GH	203	PEB	C1C-CHB-C4B	7.31	137.54	128.81
31	HG	203	PEB	CHB-C4B-NB	-7.31	118.68	128.83
31	UI	204	PEB	C1C-CHB-C4B	-7.31	120.08	128.81
31	ZF	201	PEB	CHB-C4B-NB	-7.30	118.70	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SC	202	PEB	C1C-CHB-C4B	-7.30	120.08	128.81
31	S2	202	PEB	C1C-CHB-C4B	-7.30	120.08	128.81
31	kH	201	PEB	CHB-C4B-NB	-7.30	118.70	128.83
31	k4	202	PEB	C1C-CHB-C4B	-7.30	120.09	128.81
31	QK	201	PEB	CHC-C4C-C3C	-7.30	117.89	130.34
31	a6	202	PEB	C1C-CHB-C4B	7.30	137.53	128.81
31	K4	203	PEB	CHC-C4C-C3C	-7.30	117.89	130.34
31	HI	203	PEB	CHB-C4B-NB	-7.29	118.72	128.83
31	U4	201	PEB	CHC-C4C-C3C	-7.28	117.92	130.34
31	i8	201	PEB	CHC-C4C-C3C	-7.27	117.94	130.34
31	FJ	201	PEB	CHC-C4C-C3C	-7.27	117.94	130.34
32	QH	202	PUB	C4B-CHB-C1C	-7.27	120.13	128.81
31	eC	203	PEB	CHC-C4C-C3C	-7.26	117.95	130.34
31	BG	203	PEB	CHC-C1D-ND	-7.26	105.52	113.95
33	y3	1001	CYC	OC-C1C-C2C	7.26	131.94	126.17
31	a4	204	PEB	C1C-CHB-C4B	7.25	137.47	128.81
31	BJ	203	PEB	CHC-C4C-C3C	-7.25	117.97	130.34
31	iF	201	PEB	CHC-C4C-C3C	-7.25	117.97	130.34
31	fH	203	PEB	CHC-C4C-C3C	-7.25	117.97	130.34
31	LJ	201	PEB	CHC-C4C-C3C	-7.25	117.98	130.34
31	N4	202	PEB	CHB-C4B-NB	-7.24	118.78	128.83
31	b2	203	PEB	CHC-C4C-C3C	-7.23	118.00	130.34
31	C4	203	PEB	CHC-C4C-C3C	-7.23	118.00	130.34
31	B5	203	PEB	CHC-C4C-C3C	-7.23	118.00	130.34
32	A4	303	PUB	CHB-C1C-NC	-7.23	118.80	128.83
33	W3	1001	CYC	OC-C1C-C2C	7.23	131.92	126.17
31	k4	201	PEB	CHB-C4B-NB	-7.23	118.80	128.83
31	tF	201	PEB	CHA-C4A-NA	7.23	133.80	125.20
31	F5	201	PEB	CHC-C4C-C3C	-7.22	118.02	130.34
31	G4	203	PEB	C1C-CHB-C4B	7.22	137.44	128.81
31	DH	202	PEB	CHB-C4B-NB	-7.22	118.81	128.83
31	TG	201	PEB	CHB-C4B-NB	-7.22	118.81	128.83
31	gF	201	PEB	CMB-C2B-C1B	7.22	136.18	125.06
31	UK	201	PEB	CHA-C1B-NB	-7.22	109.84	124.93
31	lH	201	PEB	C1C-CHB-C4B	7.22	137.43	128.81
31	VK	202	PEB	CHC-C4C-C3C	-7.21	118.03	130.34
31	Z8	201	PEB	CHB-C4B-NB	-7.21	118.82	128.83
31	U1	201	PEB	CHA-C1B-NB	-7.21	109.85	124.93
31	hH	201	PEB	CHC-C4C-C3C	-7.21	118.04	130.34
31	DI	202	PEB	C1C-CHB-C4B	7.21	137.42	128.81
31	o8	201	PEB	CHB-C4B-NB	-7.21	118.83	128.83
31	G5	201	PEB	C1C-CHB-C4B	7.21	137.42	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	xF	305	PUB	CHB-C1C-NC	-7.20	118.83	128.83
31	v8	201	PEB	CHA-C4A-NA	7.20	133.76	125.20
31	WC	203	PEB	C1C-CHB-C4B	7.20	137.41	128.81
31	GJ	201	PEB	C1C-CHB-C4B	7.19	137.40	128.81
31	Z2	203	PEB	CHB-C4B-NB	-7.19	118.85	128.83
31	RH	202	PEB	CHB-C4B-NB	-7.19	118.85	128.83
31	P1	202	PEB	CHC-C4C-C3C	-7.19	118.08	130.34
31	PK	202	PEB	CHC-C4C-C3C	-7.18	118.09	130.34
32	Q4	202	PUB	C4B-CHB-C1C	-7.18	120.23	128.81
31	j4	203	PEB	CHC-C4C-C3C	-7.18	118.10	130.34
31	e4	201	PEB	C1C-CHB-C4B	-7.18	120.24	128.81
31	GF	203	PEB	C1C-CHB-C4B	7.18	137.38	128.81
31	BG	202	PEB	CHB-C4B-NB	-7.17	118.88	128.83
32	KK	203	PUB	CAD-C3D-C4D	7.17	132.71	121.38
31	GG	201	PEB	CHC-C4C-C3C	-7.17	118.11	130.34
31	SK	201	PEB	CHA-C1B-NB	-7.16	109.95	124.93
31	V1	202	PEB	CHC-C4C-C3C	-7.16	118.12	130.34
31	V5	201	PEB	CHB-C4B-NB	-7.16	118.90	128.83
31	N4	202	PEB	C1C-CHB-C4B	-7.16	120.26	128.81
31	vF	201	PEB	CHA-C4A-NA	7.15	133.71	125.20
31	I8	203	PEB	CHC-C4C-C3C	-7.15	118.14	130.34
31	X8	202	PEB	C1C-CHB-C4B	7.15	137.35	128.81
31	W2	203	PEB	C1C-CHB-C4B	7.15	137.34	128.81
32	QH	202	PUB	CHB-C1C-NC	-7.15	118.92	128.83
31	S1	201	PEB	CHA-C1B-NB	-7.14	109.99	124.93
31	g8	201	PEB	CMB-C2B-C1B	7.14	136.06	125.06
31	OG	202	PEB	CHB-C4B-NB	-7.14	118.92	128.83
31	ZC	203	PEB	CHB-C4B-NB	-7.14	118.93	128.83
31	C7	201	PEB	CMD-C2D-C3D	-7.13	120.01	130.06
31	KG	201	PEB	CHA-C1B-NB	-7.13	110.02	124.93
31	iF	202	PEB	C1C-CHB-C4B	7.12	137.32	128.81
32	K1	203	PUB	CAD-C3D-C4D	7.12	132.63	121.38
31	VJ	201	PEB	CHB-C4B-NB	-7.12	118.95	128.83
31	N4	201	PEB	CHB-C4B-NB	-7.12	118.95	128.83
31	UF	201	PEB	CHC-C1D-ND	-7.11	105.69	113.95
31	GG	201	PEB	CHB-C4B-NB	-7.11	118.97	128.83
31	sF	203	PEB	CHA-C1B-NB	-7.11	110.06	124.93
31	UD	201	PEB	C1C-CHB-C4B	7.11	137.30	128.81
31	HK	202	PEB	OA-C1A-C2A	-7.11	120.52	126.17
31	UE	201	PEB	C1C-CHB-C4B	7.11	137.30	128.81
31	aH	204	PEB	CHC-C4C-C3C	-7.10	118.22	130.34
31	OK	201	PEB	CHA-C1B-NB	-7.10	110.08	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PF	201	PEB	CHA-C4A-NA	7.09	133.64	125.20
31	JF	202	PEB	C1C-CHB-C4B	7.09	137.28	128.81
31	U4	201	PEB	C1C-CHB-C4B	7.09	137.28	128.81
31	U8	201	PEB	CHC-C1D-ND	-7.09	105.71	113.95
31	g4	201	PEB	C1C-CHB-C4B	-7.09	120.34	128.81
31	J8	201	PEB	CHA-C4A-NA	7.09	133.63	125.20
31	IF	203	PEB	CHC-C4C-C3C	-7.08	118.26	130.34
31	JF	201	PEB	CHA-C4A-NA	7.08	133.62	125.20
31	SC	202	PEB	CHB-C4B-NB	-7.08	119.01	128.83
31	cF	203	PEB	CHA-C1B-NB	-7.08	110.12	124.93
31	HK	202	PEB	C1C-CHB-C4B	7.08	137.26	128.81
31	dC	203	PEB	C1C-CHB-C4B	-7.07	120.36	128.81
31	WF	203	PEB	CHB-C4B-NB	-7.07	119.02	128.83
31	CH	203	PEB	CHC-C4C-C3C	-7.07	118.28	130.34
31	S2	202	PEB	CHB-C4B-NB	-7.07	119.02	128.83
31	W8	203	PEB	CHB-C4B-NB	-7.07	119.02	128.83
31	OI	202	PEB	CHC-C4C-C3C	-7.07	118.29	130.34
31	d2	203	PEB	C1C-CHB-C4B	-7.07	120.37	128.81
31	s8	203	PEB	CHA-C1B-NB	-7.06	110.16	124.93
31	i8	202	PEB	C1C-CHB-C4B	7.06	137.25	128.81
31	Y4	201	PEB	C1C-CHB-C4B	7.06	137.24	128.81
31	BG	202	PEB	CHA-C1B-NB	-7.06	110.17	124.93
31	WG	202	PEB	CHB-C4B-NB	-7.06	119.04	128.83
31	G8	203	PEB	C1C-CHB-C4B	7.05	137.23	128.81
31	M7	203	PEB	CMD-C2D-C3D	-7.05	120.12	130.06
31	m4	201	PEB	CHB-C4B-NB	-7.05	119.05	128.83
31	DK	202	PEB	OA-C1A-C2A	-7.05	120.57	126.17
31	O1	201	PEB	CHA-C1B-NB	-7.05	110.19	124.93
31	T4	201	PEB	C1C-CHB-C4B	-7.04	120.40	128.81
31	KF	201	PEB	CHC-C4C-C3C	-7.04	118.33	130.34
31	K8	201	PEB	CHC-C4C-C3C	-7.04	118.33	130.34
31	c8	203	PEB	CHA-C1B-NB	-7.04	110.21	124.93
31	S7	201	PEB	CHC-C1D-ND	-7.04	105.78	113.95
31	DF	201	PEB	C2A-C1A-NA	7.04	114.34	108.27
31	kF	203	PEB	CHC-C4C-C3C	-7.03	118.34	130.34
31	W7	201	PEB	CMC-C3C-C2C	-7.03	111.68	124.94
31	H1	202	PEB	C1C-CHB-C4B	7.03	137.21	128.81
31	G8	202	PEB	C4B-C3B-C2B	-7.02	99.01	106.78
33	K2	201	CYC	C4D-CHA-C1A	7.02	137.19	128.81
31	KH	203	PEB	CHC-C1D-ND	-7.02	105.80	113.95
31	J8	202	PEB	C1C-CHB-C4B	7.02	137.19	128.81
31	RG	203	PEB	CHB-C4B-NB	-7.01	119.10	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RG	203	PEB	CHA-C1B-NB	-7.01	110.27	124.93
31	U7	203	PEB	CMC-C3C-C2C	-7.01	111.73	124.94
31	W2	202	PEB	CHB-C4B-NB	-7.01	119.11	128.83
31	AC	305	PEB	CHB-C4B-NB	-7.00	119.11	128.83
33	JB	1001	CYC	CHB-C4A-NA	-7.00	110.29	124.93
31	TH	201	PEB	C1C-CHB-C4B	-7.00	120.45	128.81
31	P8	201	PEB	CHA-C4A-NA	7.00	133.52	125.20
31	XF	203	PEB	C1C-CHB-C4B	6.99	137.16	128.81
31	gD	202	PEB	CHB-C4B-NB	-6.99	119.13	128.83
31	H1	202	PEB	OA-C1A-C2A	-6.99	120.61	126.17
31	QI	202	PEB	CHC-C4C-C3C	-6.99	118.42	130.34
31	F4	201	PEB	CHB-C4B-NB	-6.99	119.14	128.83
31	XF	202	PEB	C1C-CHB-C4B	6.99	137.15	128.81
31	SI	201	PEB	CHC-C1D-ND	-6.99	105.84	113.95
31	SI	202	PEB	CHC-C4C-C3C	-6.98	118.43	130.34
31	WG	202	PEB	CHA-C1B-NB	-6.98	110.33	124.93
32	K1	203	PUB	CHB-C1C-NC	-6.98	119.14	128.83
31	gE	202	PEB	CHB-C4B-NB	-6.98	119.15	128.83
32	Z9	304	PUB	CAD-C3D-C4D	6.98	132.40	121.38
31	IH	203	PEB	CHB-C4B-NB	-6.97	119.16	128.83
31	B4	301	PEB	CHC-C1D-ND	-6.97	105.85	113.95
31	M7	203	PEB	CHC-C1D-ND	-6.97	105.86	113.95
31	AG	203	PEB	CHA-C1B-NB	-6.97	110.36	124.93
31	WC	202	PEB	CHB-C4B-NB	-6.96	119.17	128.83
32	KK	203	PUB	CHB-C1C-NC	-6.96	119.17	128.83
31	X8	203	PEB	C1C-CHB-C4B	6.96	137.12	128.81
31	D1	202	PEB	OA-C1A-C2A	-6.96	120.64	126.17
31	k8	203	PEB	CHC-C4C-C3C	-6.95	118.48	130.34
33	J6	1001	CYC	CHB-C4A-NA	-6.95	110.39	124.93
32	M9	304	PUB	CAD-C3D-C4D	6.95	132.36	121.38
31	D5	201	PEB	CHC-C4C-C3C	-6.95	118.48	130.34
31	f4	203	PEB	C1C-CHB-C4B	6.95	137.11	128.81
33	KC	201	CYC	C4D-CHA-C1A	6.94	137.10	128.81
31	JI	201	PEB	C4B-C3B-C2B	-6.94	99.10	106.78
31	O4	202	PEB	CHB-C4B-NB	-6.94	119.20	128.83
31	q8	202	PEB	C1C-CHB-C4B	6.94	137.10	128.81
31	l2	203	PEB	C1C-CHB-C4B	-6.93	120.53	128.81
33	IE	1001	CYC	OC-C1C-C2C	-6.93	120.66	126.17
31	GF	202	PEB	C4B-C3B-C2B	-6.92	99.12	106.78
31	m4	202	PEB	C1C-CHB-C4B	-6.92	120.54	128.81
31	T4	201	PEB	CHB-C4B-NB	-6.92	119.23	128.83
31	DH	201	PEB	C1C-CHB-C4B	-6.91	120.55	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	HH	201	PEB	C1C-CHB-C4B	-6.91	120.56	128.81
31	DJ	201	PEB	CHC-C4C-C3C	-6.90	118.56	130.34
31	q8	201	PEB	CHC-C4C-C3C	-6.90	118.56	130.34
31	Y1	303	PEB	CHB-C4B-NB	-6.90	119.26	128.83
31	c8	203	PEB	CHC-C4C-C3C	-6.90	118.58	130.34
31	WI	202	PEB	C1C-CHB-C4B	6.89	137.04	128.81
31	VJ	203	PEB	CHB-C4B-NB	-6.89	119.27	128.83
33	D2	1001	CYC	C4D-CHA-C1A	6.89	137.04	128.81
31	aC	201	PEB	C1C-CHB-C4B	6.89	137.04	128.81
31	U6	201	PEB	CMB-C2B-C1B	6.89	135.67	125.06
31	qF	201	PEB	CHC-C4C-C3C	-6.89	118.59	130.34
31	LI	203	PEB	CHB-C4B-NB	-6.89	119.27	128.83
31	cF	203	PEB	CHC-C4C-C3C	-6.88	118.60	130.34
31	aD	202	PEB	CHB-C4B-NB	-6.87	119.29	128.83
31	TA	202	PEB	CHB-C4B-NB	-6.87	119.30	128.83
31	V5	203	PEB	CHB-C4B-NB	-6.87	119.30	128.83
31	A2	305	PEB	CHB-C4B-NB	-6.87	119.30	128.83
31	YK	303	PEB	CHB-C4B-NB	-6.87	119.30	128.83
33	ID	1001	CYC	OC-C1C-C2C	-6.86	120.72	126.17
31	L4	201	PEB	C1C-CHB-C4B	-6.85	120.62	128.81
32	AH	303	PUB	CHB-C1C-NC	-6.85	119.32	128.83
31	OF	202	PEB	CMB-C2B-C1B	6.85	135.61	125.06
31	fH	203	PEB	C1C-CHB-C4B	6.85	136.99	128.81
31	l4	201	PEB	CHC-C4C-C3C	-6.85	118.66	130.34
31	JJ	201	PEB	CHC-C4C-C3C	-6.85	118.66	130.34
32	CI	203	PUB	CAD-C3D-C4D	6.85	132.19	121.38
32	ZI	305	PUB	CAD-C3D-C4D	6.85	132.19	121.38
31	f8	201	PEB	CHA-C4A-NA	6.85	133.34	125.20
31	UB	201	PEB	CMB-C2B-C1B	6.84	135.60	125.06
31	qF	202	PEB	C1C-CHB-C4B	6.84	136.98	128.81
31	KG	201	PEB	CHB-C4B-NB	-6.84	119.34	128.83
31	H8	201	PEB	CHB-C4B-NB	-6.84	119.34	128.83
31	H5	203	PEB	CHC-C1D-ND	-6.84	106.00	113.95
31	D8	201	PEB	C2A-C1A-NA	6.84	114.17	108.27
31	c4	201	PEB	CHB-C4B-NB	-6.84	119.34	128.83
31	JA	202	PEB	CHB-C4B-NB	-6.83	119.35	128.83
31	lC	202	PEB	C1C-CHB-C4B	-6.83	120.64	128.81
33	DC	1001	CYC	C4D-CHA-C1A	6.83	136.97	128.81
31	U2	203	PEB	CHB-C4B-NB	-6.83	119.35	128.83
31	PK	202	PEB	OA-C1A-C2A	-6.83	120.74	126.17
31	DF	203	PEB	CHC-C4C-C3C	-6.83	118.69	130.34
31	I4	201	PEB	C1C-CHB-C4B	6.83	136.96	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O8	202	PEB	CMB-C2B-C1B	6.82	135.57	125.06
31	F5	203	PEB	CHC-C4C-C3C	-6.82	118.70	130.34
31	X5	201	PEB	CHC-C4C-C3C	-6.82	118.70	130.34
31	G7	201	PEB	CHC-C1D-ND	-6.82	106.03	113.95
31	HJ	203	PEB	CHC-C1D-ND	-6.82	106.03	113.95
31	FJ	203	PEB	CHC-C4C-C3C	-6.82	118.71	130.34
31	XJ	201	PEB	CHC-C4C-C3C	-6.82	118.71	130.34
31	G4	203	PEB	CHC-C4C-C3C	-6.82	118.71	130.34
31	a2	201	PEB	C1C-CHB-C4B	6.81	136.95	128.81
31	FI	201	PEB	CHC-C1D-ND	-6.81	106.04	113.95
31	fB	201	PEB	C1C-CHB-C4B	6.81	136.95	128.81
31	p8	201	PEB	CHB-C4B-NB	-6.81	119.38	128.83
31	T5	201	PEB	CHC-C4C-C3C	-6.81	118.72	130.34
31	KH	203	PEB	C1C-CHB-C4B	6.81	136.94	128.81
31	aE	202	PEB	CHB-C4B-NB	-6.81	119.39	128.83
31	S1	201	PEB	CHB-C4B-NB	-6.80	119.39	128.83
31	WH	203	PEB	C1C-CHB-C4B	6.80	136.93	128.81
31	T6	202	PEB	C1C-CHB-C4B	6.80	136.93	128.81
31	J5	201	PEB	CHC-C4C-C3C	-6.79	118.75	130.34
31	TJ	201	PEB	CHC-C4C-C3C	-6.79	118.75	130.34
31	pF	201	PEB	CHB-C4B-NB	-6.79	119.41	128.83
31	cF	201	PEB	CHB-C4B-NB	-6.79	119.41	128.83
31	TB	202	PEB	C1C-CHB-C4B	6.79	136.92	128.81
31	I7	203	PEB	CMC-C3C-C2C	-6.79	112.15	124.94
31	K7	201	PEB	CMC-C3C-C2C	-6.79	112.15	124.94
31	SF	201	PEB	CHC-C1D-ND	-6.79	106.07	113.95
31	P5	203	PEB	CHC-C1D-ND	-6.79	106.07	113.95
31	UC	203	PEB	CHB-C4B-NB	-6.78	119.42	128.83
32	A4	303	PUB	CHC-C1D-ND	-6.78	105.14	113.72
31	PJ	203	PEB	CHC-C1D-ND	-6.78	106.07	113.95
31	C4	203	PEB	CHC-C1D-ND	-6.78	106.07	113.95
31	CA	201	PEB	CHB-C4B-NB	-6.78	119.43	128.83
31	JK	201	PEB	CHB-C4B-NB	-6.78	119.43	128.83
31	TK	202	PEB	CHC-C4C-C3C	-6.77	118.78	130.34
31	fF	201	PEB	CHA-C4A-NA	6.77	133.26	125.20
31	a8	201	PEB	CHB-C4B-NB	-6.77	119.44	128.83
31	gF	203	PEB	CHC-C4C-C3C	-6.77	118.79	130.34
31	OC	202	PEB	C1C-CHB-C4B	-6.77	120.72	128.81
31	P1	202	PEB	OA-C1A-C2A	-6.77	120.79	126.17
31	c8	201	PEB	CHB-C4B-NB	-6.77	119.44	128.83
31	S8	201	PEB	CHC-C1D-ND	-6.77	106.09	113.95
31	D8	203	PEB	CHC-C4C-C3C	-6.77	118.80	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	JJ	202	PEB	CHB-C4B-NB	-6.77	119.44	128.83
33	L6	1001	CYC	CHB-C4A-NA	-6.77	110.78	124.93
31	MH	201	PEB	C1C-CHB-C4B	6.76	136.89	128.81
31	jF	201	PEB	CHA-C4A-NA	6.76	133.25	125.20
31	f6	201	PEB	C1C-CHB-C4B	6.76	136.89	128.81
31	H2	1002	PEB	CHC-C1D-ND	-6.76	106.10	113.95
31	WA	401	PEB	CHB-C4B-NB	-6.76	119.45	128.83
31	SK	201	PEB	CHB-C4B-NB	-6.76	119.45	128.83
31	xF	304	PEB	CHB-C4B-NB	-6.76	119.46	128.83
31	x8	304	PEB	CHB-C4B-NB	-6.75	119.46	128.83
31	j8	201	PEB	CHA-C4A-NA	6.75	133.23	125.20
31	ZG	401	PEB	C2A-C1A-NA	6.75	114.09	108.27
31	DJ	202	PEB	CHA-C1B-NB	-6.75	110.82	124.93
31	VH	202	PEB	CHB-C4B-NB	-6.75	119.47	128.83
31	k6	202	PEB	CHC-C4C-C3C	-6.74	118.84	130.34
31	I8	201	PEB	CMB-C2B-C1B	6.74	135.44	125.06
31	q8	202	PEB	CHA-C1B-NB	-6.74	110.84	124.93
31	T1	202	PEB	CHC-C4C-C3C	-6.74	118.85	130.34
31	HJ	201	PEB	CHC-C4C-C3C	-6.73	118.86	130.34
31	D4	202	PEB	C1C-CHB-C4B	-6.73	120.77	128.81
31	JK	202	PEB	OA-C1A-C2A	-6.73	120.82	126.17
31	J1	202	PEB	OA-C1A-C2A	-6.72	120.83	126.17
31	D5	202	PEB	CHA-C1B-NB	-6.72	110.87	124.93
31	qF	202	PEB	CHA-C1B-NB	-6.72	110.87	124.93
31	QI	202	PEB	C1C-CHB-C4B	6.72	136.84	128.81
31	O2	202	PEB	C1C-CHB-C4B	-6.72	120.78	128.81
32	Y1	304	PUB	CAD-C3D-C4D	6.72	131.99	121.38
31	kB	202	PEB	CHC-C4C-C3C	-6.71	118.89	130.34
31	S6	201	PEB	CMB-C2B-C1B	6.71	135.40	125.06
33	LB	1001	CYC	CHB-C4A-NA	-6.71	110.89	124.93
31	H5	201	PEB	CHC-C4C-C3C	-6.71	118.89	130.34
31	MH	203	PEB	CHC-C4C-C3C	-6.70	118.90	130.34
31	DK	201	PEB	CHB-C4B-NB	-6.70	119.53	128.83
32	AH	304	PUB	CHB-C1C-NC	-6.70	119.53	128.83
31	D1	201	PEB	CHB-C4B-NB	-6.70	119.53	128.83
31	J1	201	PEB	CHB-C4B-NB	-6.70	119.53	128.83
31	kH	202	PEB	C1C-CHB-C4B	-6.70	120.80	128.81
31	AK	201	PEB	CHB-C4B-NB	-6.70	119.53	128.83
31	XH	201	PEB	CBC-CAC-C2C	-6.70	101.19	112.62
31	RH	202	PEB	C1C-CHB-C4B	-6.70	120.81	128.81
31	U4	203	PEB	CHC-C4C-C3C	-6.70	118.91	130.34
31	HF	201	PEB	CHB-C4B-NB	-6.70	119.54	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	g4	202	PEB	CHB-C4B-NB	-6.69	119.54	128.83
31	XH	202	PEB	CHB-C4B-NB	-6.69	119.54	128.83
31	A1	201	PEB	CHB-C4B-NB	-6.69	119.54	128.83
31	g8	203	PEB	CHC-C4C-C3C	-6.69	118.92	130.34
31	TF	201	PEB	CHA-C4A-NA	6.69	133.16	125.20
31	A7	203	PEB	CMC-C3C-C2C	-6.69	112.33	124.94
31	dH	201	PEB	CHC-C4C-C3C	-6.69	118.93	130.34
31	GF	201	PEB	CHA-C1B-NB	-6.69	110.94	124.93
31	G8	201	PEB	CHA-C1B-NB	-6.69	110.95	124.93
31	J5	201	PEB	C1C-CHB-C4B	6.68	136.79	128.81
31	D8	201	PEB	CHA-C4A-NA	6.68	133.15	125.20
31	l4	203	PEB	CHB-C4B-NB	-6.68	119.56	128.83
31	SB	202	PEB	CMB-C2B-C1B	6.68	135.35	125.06
31	T8	201	PEB	CHA-C4A-NA	6.67	133.14	125.20
31	hH	203	PEB	CHC-C1D-ND	-6.67	106.20	113.95
33	E2	1001	CYC	C4D-CHA-C1A	6.67	136.78	128.81
31	DF	201	PEB	CHA-C4A-NA	6.67	133.13	125.20
31	aF	201	PEB	CHB-C4B-NB	-6.67	119.58	128.83
31	OC	203	PEB	CHC-C4C-C3C	-6.66	118.97	130.34
31	IF	201	PEB	CMB-C2B-C1B	6.66	135.32	125.06
31	SB	202	PEB	C1C-CHB-C4B	6.66	136.77	128.81
31	SE	201	PEB	CHC-C4C-C3C	-6.66	118.98	130.34
31	NH	201	PEB	CHB-C4B-NB	-6.66	119.59	128.83
32	A4	303	PUB	CAD-C3D-C4D	6.66	131.90	121.38
31	J5	202	PEB	CHB-C4B-NB	-6.65	119.60	128.83
32	YK	304	PUB	CAD-C3D-C4D	6.65	131.88	121.38
31	S1	201	PEB	CMB-C2B-C1B	6.65	135.30	125.06
31	S6	201	PEB	C1C-CHB-C4B	6.65	136.75	128.81
31	SK	201	PEB	CMB-C2B-C1B	6.65	135.30	125.06
31	OC	203	PEB	C1C-CHB-C4B	6.64	136.75	128.81
31	JJ	201	PEB	C1C-CHB-C4B	6.64	136.75	128.81
31	Z4	201	PEB	C1C-CHB-C4B	-6.64	120.88	128.81
31	M4	201	PEB	CHC-C4C-C3C	-6.64	119.01	130.34
31	HC	1002	PEB	CHC-C1D-ND	-6.64	106.23	113.95
31	gB	202	PEB	CHC-C4C-C3C	-6.64	119.01	130.34
33	EC	1001	CYC	C4D-CHA-C1A	6.64	136.74	128.81
31	IH	201	PEB	C1C-CHB-C4B	6.64	136.74	128.81
31	dH	201	PEB	C1C-CHB-C4B	6.64	136.74	128.81
31	VG	203	PEB	CHB-C4B-NB	-6.64	119.62	128.83
31	Q4	201	PEB	C1C-CHB-C4B	6.64	136.74	128.81
31	TK	202	PEB	OA-C1A-C2A	-6.64	120.90	126.17
31	SA	203	PEB	CHB-C4B-NB	-6.63	119.63	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TG	201	PEB	CHA-C1B-NB	-6.63	111.06	124.93
31	O2	203	PEB	CHC-C4C-C3C	-6.63	119.03	130.34
31	eH	202	PEB	C1C-CHB-C4B	-6.63	120.89	128.81
31	OI	202	PEB	CHB-C4B-NB	-6.63	119.63	128.83
31	H9	201	PEB	C1C-CHB-C4B	6.62	136.72	128.81
31	H4	201	PEB	CHB-C4B-NB	-6.62	119.64	128.83
31	G7	201	PEB	CMC-C3C-C2C	-6.62	112.46	124.94
31	QI	203	PEB	CHB-C4B-NB	-6.62	119.65	128.83
31	cA	402	PEB	CHB-C4B-NB	-6.61	119.65	128.83
32	NJ	201	PUB	CAD-C3D-C4D	6.61	131.82	121.38
31	SF	202	PEB	CMB-C2B-C1B	6.60	135.23	125.06
31	LI	202	PEB	C1C-CHB-C4B	6.60	136.70	128.81
32	N5	201	PUB	CAD-C3D-C4D	6.60	131.81	121.38
31	w8	301	PEB	CHB-C4B-NB	-6.60	119.67	128.83
31	jF	202	PEB	C1C-CHB-C4B	6.60	136.69	128.81
31	OC	201	PEB	CHB-C4B-NB	-6.60	119.68	128.83
31	CA	201	PEB	C1C-CHB-C4B	-6.59	120.93	128.81
31	SH	203	PEB	CHC-C4C-C3C	-6.59	119.10	130.34
31	SD	201	PEB	CHC-C4C-C3C	-6.59	119.11	130.34
31	iH	201	PEB	C1C-CHB-C4B	-6.58	120.95	128.81
31	F1	202	PEB	OA-C1A-C2A	-6.58	120.94	126.17
32	Q4	202	PUB	CHB-C1C-NC	-6.58	119.70	128.83
32	BH	302	PUB	CAD-C3D-C4D	6.58	131.77	121.38
31	wF	301	PEB	CHB-C4B-NB	-6.58	119.70	128.83
31	LJ	201	PEB	C1C-CHB-C4B	6.57	136.66	128.81
31	g6	202	PEB	CHC-C4C-C3C	-6.57	119.13	130.34
31	g4	202	PEB	C1C-CHB-C4B	-6.57	120.96	128.81
31	S1	201	PEB	CHC-C4C-C3C	-6.57	119.13	130.34
31	j8	202	PEB	C1C-CHB-C4B	6.57	136.66	128.81
31	h4	201	PEB	CHC-C4C-C3C	-6.57	119.14	130.34
31	EF	201	PEB	C1C-CHB-C4B	6.57	136.65	128.81
31	MK	201	PEB	CHB-C4B-NB	-6.56	119.72	128.83
31	RK	202	PEB	C1C-CHB-C4B	6.56	136.65	128.81
32	AD	302	PUB	CHB-C1C-NC	-6.56	119.73	128.83
31	JI	202	PEB	C1C-CHB-C4B	6.56	136.64	128.81
31	A4	301	PEB	CHB-C4B-NB	-6.55	119.73	128.83
32	Z9	304	PUB	C1D-CHC-C4C	-6.55	99.11	113.37
31	g4	201	PEB	CHB-C4B-NB	-6.55	119.74	128.83
31	T1	202	PEB	OA-C1A-C2A	-6.55	120.97	126.17
31	R1	202	PEB	C1C-CHB-C4B	6.55	136.63	128.81
33	FC	1001	CYC	C4D-CHA-C1A	6.55	136.63	128.81
31	SK	201	PEB	CHC-C4C-C3C	-6.55	119.17	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	jH	203	PEB	CHC-C4C-C3C	-6.54	119.17	130.34
31	E8	201	PEB	C1C-CHB-C4B	6.54	136.62	128.81
32	AJ	303	PUB	CAD-C3D-C4D	6.54	131.71	121.38
31	M1	201	PEB	CHB-C4B-NB	-6.54	119.76	128.83
31	O2	201	PEB	CHB-C4B-NB	-6.54	119.76	128.83
31	RH	201	PEB	CHB-C4B-NB	-6.54	119.76	128.83
31	fC	203	PEB	C1C-CHB-C4B	6.54	136.62	128.81
31	O2	203	PEB	C1C-CHB-C4B	6.54	136.62	128.81
32	M9	304	PUB	C1D-CHC-C4C	-6.53	99.16	113.37
31	E8	201	PEB	CMB-C2B-C1B	6.53	135.12	125.06
31	K8	201	PEB	C1C-CHB-C4B	6.53	136.61	128.81
31	f2	203	PEB	C1C-CHB-C4B	6.52	136.59	128.81
32	AE	302	PUB	CHB-C1C-NC	-6.52	119.79	128.83
31	NG	203	PEB	CHB-C4B-NB	-6.51	119.79	128.83
31	o8	203	PEB	CHB-C4B-NB	-6.51	119.79	128.83
31	oF	203	PEB	CHB-C4B-NB	-6.51	119.79	128.83
31	HD	1002	PEB	CHB-C4B-NB	-6.51	119.79	128.83
31	QH	203	PEB	CHB-C4B-NB	-6.51	119.79	128.83
31	L5	201	PEB	C1C-CHB-C4B	6.51	136.59	128.81
31	A7	203	PEB	CMD-C2D-C3D	-6.51	120.88	130.06
31	U9	202	PEB	C1C-CHB-C4B	6.51	136.59	128.81
31	c2	202	PEB	CMB-C2B-C1B	6.51	135.09	125.06
31	M7	203	PEB	CMC-C3C-C2C	-6.51	112.67	124.94
31	HE	1002	PEB	CHB-C4B-NB	-6.51	119.80	128.83
33	F2	1001	CYC	C4D-CHA-C1A	6.50	136.58	128.81
31	MH	201	PEB	CHC-C4C-C3C	-6.50	119.25	130.34
31	iB	202	PEB	C1C-CHB-C4B	6.50	136.58	128.81
31	F5	201	PEB	CHA-C1B-NB	-6.50	111.33	124.93
31	T1	203	PEB	CHC-C1D-ND	-6.50	106.40	113.95
31	M4	201	PEB	CHC-C1D-ND	-6.50	106.40	113.95
31	FJ	201	PEB	CHA-C1B-NB	-6.50	111.34	124.93
31	NH	202	PEB	C1C-CHB-C4B	-6.50	121.05	128.81
31	W4	203	PEB	C1C-CHB-C4B	6.50	136.57	128.81
31	IH	203	PEB	C1C-CHB-C4B	-6.50	121.05	128.81
31	TK	203	PEB	CHC-C1D-ND	-6.50	106.40	113.95
31	VK	202	PEB	OA-C1A-C2A	-6.50	121.01	126.17
31	S8	202	PEB	CMB-C2B-C1B	6.49	135.07	125.06
31	B9	202	PEB	C1C-CHB-C4B	6.49	136.57	128.81
31	IH	203	PEB	C1C-CHB-C4B	-6.49	121.05	128.81
31	P8	201	PEB	C2A-C1A-NA	6.49	113.87	108.27
31	Y9	203	PEB	CHC-C1D-ND	-6.49	106.41	113.95
31	mB	202	PEB	CHC-C4C-C3C	-6.49	119.27	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	eB	202	PEB	CHC-C4C-C3C	-6.48	119.28	130.34
31	KF	201	PEB	C1C-CHB-C4B	6.48	136.55	128.81
31	ZI	301	PEB	CHB-C4B-NB	-6.48	119.83	128.83
33	H2	1001	CYC	CAB-C3B-C4B	6.48	131.62	121.38
31	m8	202	PEB	CHA-C4A-NA	-6.48	117.50	125.20
32	AH	304	PUB	C4B-CHB-C1C	-6.48	121.07	128.81
31	lF	203	PEB	CHC-C4C-C3C	-6.48	119.29	130.34
33	GE	201	CYC	OC-C1C-C2C	-6.48	121.02	126.17
31	i6	202	PEB	C1C-CHB-C4B	6.48	136.55	128.81
31	ZB	201	PEB	CMB-C2B-C1B	6.48	135.04	125.06
31	RK	202	PEB	CHC-C4C-C3C	-6.48	119.29	130.34
31	R1	202	PEB	CHC-C1D-ND	-6.47	106.43	113.95
31	l8	203	PEB	CHC-C4C-C3C	-6.47	119.30	130.34
31	MI	302	PEB	CHB-C4B-NB	-6.47	119.86	128.83
31	l8	203	PEB	CHB-C4B-NB	-6.47	119.86	128.83
31	ZB	201	PEB	CHB-C4B-C3B	-6.47	110.38	125.32
31	TH	201	PEB	CHB-C4B-NB	-6.46	119.86	128.83
31	TJ	203	PEB	CHC-C1D-ND	-6.46	106.44	113.95
31	Z6	201	PEB	CHB-C4B-C3B	-6.46	110.39	125.32
31	U7	203	PEB	CMD-C2D-C3D	-6.46	120.95	130.06
31	m4	202	PEB	CHB-C4B-NB	-6.46	119.86	128.83
31	E4	201	PEB	C1C-CHB-C4B	6.46	136.53	128.81
31	lF	201	PEB	CHB-C4B-NB	-6.46	119.87	128.83
31	m6	202	PEB	CHC-C4C-C3C	-6.46	119.32	130.34
31	U8	201	PEB	C1C-CHB-C4B	6.46	136.52	128.81
31	T1	202	PEB	CHB-C4B-NB	-6.46	119.87	128.83
31	l8	201	PEB	CHB-C4B-NB	-6.46	119.87	128.83
33	BD	1001	CYC	OC-C1C-C2C	-6.46	121.04	126.17
31	FK	202	PEB	OA-C1A-C2A	-6.46	121.04	126.17
31	JH	201	PEB	CHB-C4B-NB	-6.46	119.87	128.83
31	HH	202	PEB	C1C-CHB-C4B	-6.45	121.10	128.81
31	e6	202	PEB	CHC-C4C-C3C	-6.45	119.33	130.34
33	HC	1001	CYC	CAB-C3B-C4B	6.45	131.57	121.38
31	h2	201	PEB	C1C-CHB-C4B	6.45	136.52	128.81
31	E7	203	PEB	CMC-C3C-C2C	-6.45	112.78	124.94
31	OH	202	PEB	C1C-CHB-C4B	-6.45	121.10	128.81
31	PF	201	PEB	C2A-C1A-NA	6.45	113.83	108.27
32	AB	302	PUB	CAD-C3D-C4D	6.45	131.56	121.38
31	DI	202	PEB	CHC-C4C-C3C	-6.45	119.34	130.34
33	GD	201	CYC	OC-C1C-C2C	-6.45	121.05	126.17
31	M4	201	PEB	C1C-CHB-C4B	6.45	136.51	128.81
31	c4	201	PEB	C1C-CHB-C4B	-6.45	121.11	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	A4	304	PUB	CAD-C3D-C4D	6.45	131.56	121.38
31	hF	201	PEB	OA-C1A-C2A	-6.45	121.05	126.17
31	TK	202	PEB	CHB-C4B-NB	-6.45	119.89	128.83
31	B1	202	PEB	CHC-C4C-C3C	-6.44	119.35	130.34
31	RK	202	PEB	CHC-C1D-ND	-6.44	106.47	113.95
31	BK	202	PEB	CHC-C4C-C3C	-6.44	119.35	130.34
31	R1	202	PEB	CHC-C4C-C3C	-6.44	119.35	130.34
32	A5	303	PUB	CAD-C3D-C4D	6.44	131.55	121.38
31	UF	201	PEB	C1C-CHB-C4B	6.44	136.50	128.81
31	V1	202	PEB	OA-C1A-C2A	-6.44	121.05	126.17
31	Z6	201	PEB	CMB-C2B-C1B	6.44	134.98	125.06
31	D4	201	PEB	CHB-C4B-NB	-6.44	119.90	128.83
31	EF	201	PEB	CMB-C2B-C1B	6.44	134.97	125.06
31	UI	203	PEB	CHB-C4B-NB	-6.44	119.90	128.83
31	K1	201	PEB	CBC-CAC-C2C	6.43	123.60	112.62
31	mB	203	PEB	CHB-C4B-NB	-6.43	119.90	128.83
31	mF	202	PEB	CHA-C4A-NA	-6.43	117.56	125.20
31	IH	202	PEB	CMB-C2B-C1B	6.43	134.97	125.06
31	QK	201	PEB	CHA-C1B-NB	-6.43	111.48	124.93
31	m6	203	PEB	CHB-C4B-NB	-6.43	119.91	128.83
31	h8	201	PEB	OA-C1A-C2A	-6.43	121.06	126.17
31	FI	202	PEB	CHC-C4C-C3C	-6.43	119.37	130.34
32	A6	302	PUB	CAD-C3D-C4D	6.43	131.53	121.38
31	t8	202	PEB	CBC-CAC-C2C	6.43	123.59	112.62
31	MK	201	PEB	CHC-C4C-C3C	-6.43	119.38	130.34
31	PH	201	PEB	CHB-C4B-NB	-6.43	119.92	128.83
31	U4	203	PEB	CHB-C4B-NB	-6.43	119.92	128.83
31	cC	202	PEB	CMB-C2B-C1B	6.42	134.96	125.06
31	IH	201	PEB	CHC-C4C-C3C	-6.42	119.39	130.34
31	W7	201	PEB	CHC-C1D-ND	-6.42	106.49	113.95
33	N6	1001	CYC	OC-C1C-C2C	-6.42	121.07	126.17
31	EH	201	PEB	C1C-CHB-C4B	6.42	136.47	128.81
31	KK	201	PEB	CBC-CAC-C2C	6.41	123.56	112.62
31	a8	203	PEB	C1C-CHB-C4B	6.41	136.47	128.81
31	aH	204	PEB	C1C-CHB-C4B	6.41	136.47	128.81
31	Q1	201	PEB	CHA-C1B-NB	-6.41	111.52	124.93
31	GH	203	PEB	CHC-C1D-ND	-6.41	106.50	113.95
31	Q7	203	PEB	CMC-C3C-C2C	-6.41	112.86	124.94
31	LI	202	PEB	CHC-C4C-C3C	-6.41	119.41	130.34
31	IG	203	PEB	OA-C1A-C2A	-6.41	121.08	126.17
31	T5	203	PEB	CHC-C1D-ND	-6.40	106.51	113.95
31	i4	201	PEB	C1C-CHB-C4B	-6.40	121.16	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	M1	201	PEB	CHC-C4C-C3C	-6.40	119.42	130.34
33	NB	1001	CYC	OC-C1C-C2C	-6.40	121.08	126.17
31	YI	202	PEB	C1C-CHB-C4B	6.40	136.46	128.81
31	CA	201	PEB	CHC-C1D-ND	-6.40	106.52	113.95
31	PB	202	PEB	C1C-CHB-C4B	6.40	136.45	128.81
31	IF	203	PEB	CHB-C4B-NB	-6.40	119.96	128.83
31	R6	201	PEB	CHC-C1D-ND	-6.39	106.52	113.95
31	G8	203	PEB	CHA-C4A-NA	-6.39	117.61	125.20
31	GH	203	PEB	CHC-C4C-C3C	-6.39	119.45	130.34
33	BE	1001	CYC	OC-C1C-C2C	-6.38	121.10	126.17
31	dE	204	PEB	CHB-C4B-NB	-6.38	119.98	128.83
31	VG	202	PEB	CHB-C4B-NB	-6.38	119.98	128.83
31	aB	202	PEB	CHB-C4B-NB	-6.38	119.98	128.83
31	X1	202	PEB	CHC-C4C-C3C	-6.38	119.46	130.34
33	GB	1001	CYC	OC-C1C-C2C	-6.38	121.10	126.17
31	QC	202	PEB	C1C-CHB-C4B	6.37	136.42	128.81
32	xF	301	PUB	CHB-C1C-NC	-6.37	119.99	128.83
31	P6	202	PEB	C1C-CHB-C4B	6.37	136.42	128.81
31	GF	203	PEB	CHA-C4A-NA	-6.37	117.63	125.20
31	tF	202	PEB	CBC-CAC-C2C	6.37	123.49	112.62
31	rF	201	PEB	OA-C1A-C2A	-6.37	121.11	126.17
31	FH	202	PEB	CHB-C4B-NB	-6.37	120.00	128.83
31	PH	202	PEB	CHB-C4B-NB	-6.36	120.00	128.83
31	DJ	202	PEB	CMB-C2B-C1B	6.36	134.86	125.06
31	GG	203	PEB	CHB-C4B-NB	-6.36	120.01	128.83
31	NG	202	PEB	CHB-C4B-NB	-6.35	120.01	128.83
31	O8	201	PEB	CHC-C4C-C3C	-6.35	119.50	130.34
31	QK	201	PEB	CMB-C2B-C1B	6.35	134.85	125.06
31	RG	202	PEB	CHB-C4B-NB	-6.35	120.02	128.83
31	NK	202	PEB	CHC-C4C-C3C	-6.35	119.50	130.34
31	XG	202	PEB	CHB-C4B-NB	-6.35	120.02	128.83
31	gC	203	PEB	C1C-CHB-C4B	6.35	136.39	128.81
31	RB	201	PEB	CHC-C1D-ND	-6.35	106.58	113.95
31	HC	1002	PEB	CHB-C4B-NB	-6.35	120.03	128.83
31	EG	202	PEB	CHB-C4B-NB	-6.35	120.03	128.83
31	aF	203	PEB	C1C-CHB-C4B	6.34	136.39	128.81
31	TG	203	PEB	CHB-C4B-NB	-6.34	120.03	128.83
32	A2	303	PUB	OD-C4D-C3D	-6.34	121.16	128.04
31	XK	202	PEB	CHC-C4C-C3C	-6.34	119.52	130.34
31	CG	202	PEB	CHB-C4B-NB	-6.34	120.03	128.83
32	Z9	305	PUB	CAD-C3D-C4D	6.34	131.39	121.38
31	AG	202	PEB	CHB-C4B-NB	-6.34	120.04	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	IG	202	PEB	CHB-C4B-NB	-6.34	120.04	128.83
31	dD	204	PEB	CHB-C4B-NB	-6.34	120.04	128.83
32	x8	301	PUB	CAD-C3D-C4D	6.33	131.38	121.38
31	r8	201	PEB	OA-C1A-C2A	-6.33	121.14	126.17
32	M9	305	PUB	CAD-C3D-C4D	6.33	131.38	121.38
33	EB	1001	CYC	C4D-CHA-C1A	6.33	136.37	128.81
31	S4	203	PEB	CHC-C4C-C3C	-6.33	119.55	130.34
31	V2	201	PEB	C1C-CHB-C4B	6.33	136.37	128.81
33	E6	1001	CYC	C4D-CHA-C1A	6.33	136.37	128.81
31	AH	302	PEB	CHB-C4B-NB	-6.32	120.05	128.83
31	PG	202	PEB	CHB-C4B-NB	-6.32	120.06	128.83
31	OF	201	PEB	CHC-C4C-C3C	-6.32	119.56	130.34
31	S4	203	PEB	C1C-CHB-C4B	6.32	136.35	128.81
31	HK	203	PEB	C1C-CHB-C4B	6.32	136.35	128.81
31	N5	204	PEB	C1C-CHB-C4B	6.31	136.35	128.81
31	N1	202	PEB	CHC-C4C-C3C	-6.31	119.57	130.34
31	n8	201	PEB	C2A-C1A-NA	6.31	113.72	108.27
33	LD	1001	CYC	CHB-C4A-NA	-6.31	111.73	124.93
31	kH	202	PEB	CHB-C4B-NB	-6.31	120.07	128.83
32	x8	301	PUB	CHB-C1C-NC	-6.31	120.07	128.83
31	D5	202	PEB	CMB-C2B-C1B	6.31	134.78	125.06
31	KG	203	PEB	CHB-C4B-NB	-6.31	120.07	128.83
31	a6	202	PEB	CHB-C4B-NB	-6.31	120.07	128.83
32	AC	303	PUB	OD-C4D-C3D	-6.31	121.19	128.04
31	H1	203	PEB	C1C-CHB-C4B	6.31	136.35	128.81
31	Q2	202	PEB	C1C-CHB-C4B	6.31	136.35	128.81
32	QH	202	PUB	CAD-C3D-C4D	6.31	131.34	121.38
31	IG	202	PEB	C1C-CHB-C4B	-6.30	121.28	128.81
31	KG	203	PEB	C1C-CHB-C4B	-6.30	121.28	128.81
31	Q7	203	PEB	CMD-C2D-C3D	-6.30	121.18	130.06
31	h2	201	PEB	CHC-C4C-C3C	-6.30	119.60	130.34
31	VC	201	PEB	C1C-CHB-C4B	6.30	136.33	128.81
33	LE	1001	CYC	CHB-C4A-NA	-6.30	111.76	124.93
31	H2	1002	PEB	CHB-C4B-NB	-6.30	120.09	128.83
31	J4	202	PEB	C1C-CHB-C4B	-6.30	121.29	128.81
31	AH	301	PEB	CHB-C4B-NB	-6.30	120.09	128.83
31	SF	201	PEB	C1C-CHB-C4B	6.29	136.33	128.81
31	XK	201	PEB	OA-C1A-C2A	-6.29	121.17	126.17
31	Q1	201	PEB	CMB-C2B-C1B	6.29	134.75	125.06
31	AG	202	PEB	C1C-CHB-C4B	-6.29	121.30	128.81
32	ZI	302	PUB	CHA-C4A-NA	-6.29	106.65	113.95
31	U8	202	PEB	CHB-C4B-NB	-6.29	120.11	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WG	201	PEB	CHC-C1D-ND	-6.29	106.65	113.95
31	UH	201	PEB	C1C-CHB-C4B	6.29	136.32	128.81
33	G6	1001	CYC	OC-C1C-C2C	-6.28	121.18	126.17
31	H1	202	PEB	CHC-C4C-C3C	-6.28	119.62	130.34
31	QE	201	PEB	CHC-C1D-ND	-6.28	106.65	113.95
31	fH	201	PEB	CHB-C4B-NB	-6.28	120.11	128.83
33	L6	1001	CYC	CMA-C3A-C4A	6.28	134.74	125.06
31	dE	201	PEB	C1C-CHB-C4B	6.28	136.31	128.81
32	MI	303	PUB	CHA-C4A-NA	-6.28	106.65	113.95
31	G7	201	PEB	CMD-C2D-C3D	-6.28	121.21	130.06
31	HK	202	PEB	CHC-C4C-C3C	-6.28	119.63	130.34
31	TG	203	PEB	C1C-CHB-C4B	-6.28	121.31	128.81
31	O7	201	PEB	CMD-C2D-C3D	-6.28	121.21	130.06
32	xF	301	PUB	CAD-C3D-C4D	6.28	131.29	121.38
31	PG	202	PEB	C1C-CHB-C4B	-6.28	121.31	128.81
31	GG	203	PEB	C1C-CHB-C4B	-6.27	121.32	128.81
33	LB	1001	CYC	CMA-C3A-C4A	6.27	134.72	125.06
31	XG	202	PEB	C1C-CHB-C4B	-6.27	121.32	128.81
31	NG	202	PEB	C1C-CHB-C4B	-6.27	121.32	128.81
31	IH	201	PEB	CHC-C4C-C3C	-6.27	119.65	130.34
31	QD	201	PEB	CHC-C1D-ND	-6.26	106.67	113.95
31	CG	202	PEB	C1C-CHB-C4B	-6.26	121.33	128.81
33	q3	1001	CYC	CHB-C4A-NA	-6.26	111.83	124.93
31	VG	202	PEB	C1C-CHB-C4B	-6.26	121.33	128.81
31	OH	203	PEB	C1C-CHB-C4B	6.26	136.29	128.81
31	D1	202	PEB	CHC-C4C-C3C	-6.26	119.66	130.34
32	AB	303	PUB	CAD-C3D-C4D	6.26	131.26	121.38
31	FJ	203	PEB	CHA-C1B-NB	-6.26	111.84	124.93
33	d3	1001	CYC	CHB-C4A-NA	-6.26	111.84	124.93
33	w3	1001	CYC	CHB-C4A-NA	-6.26	111.84	124.93
31	GF	202	PEB	C2A-C1A-NA	-6.26	102.88	108.27
31	R6	202	PEB	C1C-CHB-C4B	6.26	136.28	128.81
31	F9	202	PEB	CHC-C4C-C3C	-6.26	119.67	130.34
33	Q3	1001	CYC	CHB-C4A-NA	-6.25	111.85	124.93
31	f4	202	PEB	CHC-C1D-ND	-6.25	106.68	113.95
31	ZH	202	PEB	C1C-CHB-C4B	-6.25	121.34	128.81
31	UI	202	PEB	CHC-C4C-C3C	-6.25	119.67	130.34
33	h3	1001	CYC	CHB-C4A-NA	-6.25	111.85	124.93
31	TK	202	PEB	C1C-CHB-C4B	6.25	136.28	128.81
33	F3	1001	CYC	CHB-C4A-NA	-6.25	111.86	124.93
31	YH	203	PEB	CHC-C4C-C3C	-6.25	119.68	130.34
31	NJ	204	PEB	C1C-CHB-C4B	6.25	136.28	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	P4	202	PEB	CHB-C4B-NB	-6.25	120.16	128.83
31	X1	201	PEB	OA-C1A-C2A	-6.25	121.20	126.17
31	TF	202	PEB	C1C-CHB-C4B	6.25	136.27	128.81
31	UH	201	PEB	CHC-C4C-C3C	-6.25	119.68	130.34
31	F5	203	PEB	CHA-C1B-NB	-6.25	111.86	124.93
31	VH	202	PEB	C1C-CHB-C4B	-6.25	121.35	128.81
31	C4	203	PEB	C1C-CHB-C4B	6.25	136.27	128.81
33	H3	1001	CYC	CHB-C4A-NA	-6.25	111.87	124.93
31	S8	201	PEB	C1C-CHB-C4B	6.25	136.27	128.81
33	S3	1001	CYC	CHB-C4A-NA	-6.25	111.87	124.93
31	RG	202	PEB	C1C-CHB-C4B	-6.24	121.35	128.81
31	gC	203	PEB	CHC-C4C-C3C	-6.24	119.69	130.34
31	W9	202	PEB	C1C-CHB-C4B	6.24	136.27	128.81
33	I3	1001	CYC	CHB-C4A-NA	-6.24	111.87	124.93
33	L3	1001	CYC	CHB-C4A-NA	-6.24	111.88	124.93
33	M3	1001	CYC	CHB-C4A-NA	-6.24	111.88	124.93
33	73	1001	CYC	CHB-C4A-NA	-6.24	111.88	124.93
31	EG	202	PEB	C1C-CHB-C4B	-6.24	121.36	128.81
31	UF	202	PEB	CHB-C4B-NB	-6.24	120.17	128.83
33	U3	1001	CYC	CHB-C4A-NA	-6.24	111.89	124.93
33	f3	1001	CYC	CHB-C4A-NA	-6.24	111.89	124.93
33	n3	1001	CYC	CHB-C4A-NA	-6.24	111.89	124.93
33	u3	1001	CYC	CHB-C4A-NA	-6.24	111.89	124.93
33	o3	1001	CYC	CHB-C4A-NA	-6.24	111.89	124.93
33	B3	1001	CYC	CHB-C4A-NA	-6.23	111.89	124.93
31	AE	301	PEB	CHB-C4B-NB	-6.23	120.18	128.83
31	RB	202	PEB	C1C-CHB-C4B	6.23	136.26	128.81
33	k3	1001	CYC	CHB-C4A-NA	-6.23	111.90	124.93
31	hD	201	PEB	CHC-C4C-C3C	-6.23	119.71	130.34
33	O3	1001	CYC	CHB-C4A-NA	-6.23	111.90	124.93
31	G8	202	PEB	C2A-C1A-NA	-6.23	102.91	108.27
31	W2	203	PEB	CHC-C4C-C3C	-6.23	119.72	130.34
33	D3	1001	CYC	CHB-C4A-NA	-6.22	111.91	124.93
33	j3	1001	CYC	CHB-C4A-NA	-6.22	111.91	124.93
31	T1	202	PEB	C1C-CHB-C4B	6.22	136.24	128.81
31	H9	201	PEB	CHC-C4C-C3C	-6.22	119.73	130.34
31	UB	201	PEB	CHB-C4B-C3B	-6.22	110.95	125.32
31	S8	201	PEB	CHC-C4C-C3C	-6.22	119.73	130.34
31	AD	301	PEB	CHB-C4B-NB	-6.22	120.20	128.83
31	KF	202	PEB	CMB-C2B-C1B	6.22	134.64	125.06
31	K8	202	PEB	CMB-C2B-C1B	6.22	134.64	125.06
31	R5	203	PEB	CHB-C4B-NB	-6.22	120.20	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VK	202	PEB	C1C-CHB-C4B	6.22	136.23	128.81
31	FH	201	PEB	OA-C1A-C2A	-6.22	121.23	126.17
31	W4	203	PEB	CHC-C4C-C3C	-6.21	119.74	130.34
31	ZG	401	PEB	C4B-C3B-C2B	-6.21	99.91	106.78
33	J6	1001	CYC	CMA-C3A-C4A	6.21	134.62	125.06
31	CK	201	PEB	CHA-C1B-NB	-6.21	111.95	124.93
31	aE	202	PEB	C1C-CHB-C4B	-6.20	121.40	128.81
33	HD	1001	CYC	C4D-CHA-C1A	6.20	136.22	128.81
32	xF	305	PUB	CAD-C3D-C4D	6.20	131.17	121.38
31	WI	202	PEB	CHC-C4C-C3C	-6.20	119.76	130.34
31	U6	201	PEB	CHB-C4B-C3B	-6.20	111.00	125.32
31	DK	202	PEB	CHC-C4C-C3C	-6.20	119.77	130.34
31	T8	202	PEB	C1C-CHB-C4B	6.20	136.21	128.81
33	BD	1002	CYC	CHB-C4A-NA	-6.20	111.97	124.93
31	hE	201	PEB	CHC-C4C-C3C	-6.19	119.77	130.34
31	UA	301	PEB	CHC-C1D-ND	-6.19	106.75	113.95
31	YI	202	PEB	CHC-C4C-C3C	-6.19	119.78	130.34
31	V2	203	PEB	CHC-C4C-C3C	-6.19	119.78	130.34
32	A6	303	PUB	CAD-C3D-C4D	6.19	131.15	121.38
31	WB	201	PEB	CMB-C2B-C1B	6.19	134.59	125.06
31	W4	202	PEB	CHC-C4C-C3C	-6.18	119.79	130.34
31	j2	203	PEB	CHB-C4B-NB	-6.18	120.26	128.83
31	jC	203	PEB	CHB-C4B-NB	-6.18	120.26	128.83
33	BE	1002	CYC	CHB-C4A-NA	-6.18	112.01	124.93
31	ZE	202	PEB	CHC-C4C-C3C	-6.18	119.80	130.34
31	H5	202	PEB	CHA-C1B-NB	-6.18	112.02	124.93
32	x8	306	PUB	CAD-C3D-C4D	6.17	131.13	121.38
31	SF	201	PEB	CHC-C4C-C3C	-6.17	119.81	130.34
31	VC	203	PEB	CHC-C4C-C3C	-6.17	119.82	130.34
32	NJ	201	PUB	CHA-C4A-NA	-6.17	106.78	113.95
33	HE	1001	CYC	C4D-CHA-C1A	6.17	136.18	128.81
31	MA	202	PEB	CHB-C4B-NB	-6.17	120.27	128.83
31	RJ	203	PEB	CHB-C4B-NB	-6.16	120.28	128.83
31	g6	203	PEB	CHB-C4B-NB	-6.16	120.28	128.83
31	dD	201	PEB	C1C-CHB-C4B	6.16	136.17	128.81
31	AG	203	PEB	CHB-C4B-NB	-6.16	120.28	128.83
31	RK	203	PEB	CHC-C1D-ND	-6.16	106.79	113.95
31	D4	201	PEB	C1C-CHB-C4B	-6.16	121.45	128.81
32	BH	302	PUB	CHC-C1D-ND	-6.16	105.93	113.72
31	Q4	201	PEB	CHC-C4C-C3C	-6.16	119.83	130.34
31	O7	203	PEB	C1C-CHB-C4B	6.16	136.16	128.81
31	S9	202	PEB	C1C-CHB-C4B	6.16	136.16	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	UK	201	PEB	CHB-C4B-NB	-6.16	120.29	128.83
31	BJ	203	PEB	C1C-CHB-C4B	6.15	136.16	128.81
31	V1	202	PEB	C1C-CHB-C4B	6.15	136.16	128.81
31	B5	203	PEB	C1C-CHB-C4B	6.15	136.16	128.81
31	W6	201	PEB	CMB-C2B-C1B	6.15	134.54	125.06
31	aD	202	PEB	C1C-CHB-C4B	-6.15	121.46	128.81
31	R1	203	PEB	CHC-C1D-ND	-6.15	106.81	113.95
31	J4	201	PEB	CHB-C4B-NB	-6.15	120.30	128.83
31	JI	201	PEB	CHB-C4B-NB	-6.15	120.30	128.83
31	kC	203	PEB	C1C-CHB-C4B	6.15	136.15	128.81
31	aH	203	PEB	CHC-C4C-C3C	-6.15	119.85	130.34
31	l2	201	PEB	C1C-CHB-C4B	6.15	136.15	128.81
32	x8	305	PUB	CAD-C3D-C4D	6.14	131.08	121.38
31	ZD	202	PEB	CHC-C4C-C3C	-6.14	119.86	130.34
31	gB	203	PEB	CHB-C4B-NB	-6.14	120.31	128.83
31	Z6	201	PEB	C1C-CHB-C4B	6.14	136.14	128.81
31	ZB	201	PEB	C1C-CHB-C4B	6.14	136.14	128.81
33	FB	1001	CYC	OB-C4B-C3B	-6.14	121.38	128.04
33	ED	1001	CYC	CAB-C3B-C4B	6.13	131.07	121.38
31	HJ	202	PEB	CHA-C1B-NB	-6.13	112.10	124.93
31	QD	201	PEB	CHB-C4B-NB	-6.13	120.32	128.83
33	EE	1001	CYC	CAB-C3B-C4B	6.13	131.06	121.38
32	N5	201	PUB	CHA-C4A-NA	-6.13	106.83	113.95
31	WD	202	PEB	CMB-C2B-C1B	6.13	134.50	125.06
31	OK	201	PEB	CMB-C2B-C1B	6.13	134.50	125.06
31	C1	201	PEB	CHA-C1B-NB	-6.13	112.11	124.93
31	MH	202	PEB	CMB-C2B-C1B	6.13	134.50	125.06
31	aB	202	PEB	CHC-C4C-C3C	-6.13	119.89	130.34
31	SI	203	PEB	CHB-C4B-NB	-6.13	120.33	128.83
31	QE	201	PEB	CHB-C4B-NB	-6.13	120.33	128.83
31	aH	202	PEB	CHB-C4B-NB	-6.12	120.33	128.83
31	E7	203	PEB	CMD-C2D-C3D	-6.12	121.43	130.06
31	WC	201	PEB	CHB-C4B-NB	-6.12	120.34	128.83
31	w8	302	PEB	CHB-C4B-NB	-6.12	120.34	128.83
31	J2	1002	PEB	CHC-C1D-ND	-6.12	106.84	113.95
31	YF	203	PEB	CHA-C1B-NB	-6.12	112.14	124.93
31	WC	203	PEB	CHC-C4C-C3C	-6.12	119.91	130.34
31	UH	202	PEB	CMB-C2B-C1B	6.11	134.47	125.06
32	xF	306	PUB	CAD-C3D-C4D	6.11	131.03	121.38
31	U1	201	PEB	CHB-C4B-NB	-6.11	120.36	128.83
31	RC	201	PEB	CHC-C1D-ND	-6.11	106.86	113.95
31	nF	201	PEB	C2A-C1A-NA	6.11	113.54	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RJ	201	PEB	CHB-C4B-NB	-6.11	120.36	128.83
32	M9	305	PUB	OD-C4D-C3D	-6.10	121.42	128.04
32	Q4	202	PUB	CAD-C3D-C4D	6.10	131.02	121.38
31	BJ	201	PEB	CHC-C4C-C3C	-6.10	119.93	130.34
31	LH	202	PEB	CHB-C4B-NB	-6.10	120.36	128.83
31	O1	201	PEB	CMB-C2B-C1B	6.10	134.46	125.06
31	KF	202	PEB	CHA-C1B-NB	-6.10	112.17	124.93
31	gA	203	PEB	CHB-C4B-NB	-6.10	120.37	128.83
31	R2	201	PEB	CHC-C1D-ND	-6.10	106.87	113.95
31	C1	201	PEB	CMB-C2B-C1B	6.09	134.45	125.06
31	UH	201	PEB	CHC-C1D-ND	-6.09	106.87	113.95
31	JC	1002	PEB	CHC-C1D-ND	-6.09	106.87	113.95
31	j4	203	PEB	C1C-CHB-C4B	6.09	136.09	128.81
31	m4	201	PEB	C1C-CHB-C4B	-6.09	121.53	128.81
31	GF	201	PEB	CHC-C4C-C3C	-6.09	119.96	130.34
32	AB	302	PUB	CHB-C1C-NC	-6.09	120.39	128.83
31	M9	301	PEB	CHA-C1B-NB	-6.08	112.20	124.93
31	G8	202	PEB	C3B-C4B-NB	6.08	118.90	110.05
31	Z9	301	PEB	CHA-C1B-NB	-6.08	112.21	124.93
31	CK	201	PEB	CMB-C2B-C1B	6.08	134.43	125.06
31	IF	201	PEB	OA-C1A-C2A	6.08	131.01	126.17
31	Y4	203	PEB	CHC-C4C-C3C	-6.08	119.97	130.34
31	jH	203	PEB	C1C-CHB-C4B	6.08	136.07	128.81
33	JB	1001	CYC	CMA-C3A-C4A	6.08	134.42	125.06
31	K8	202	PEB	CHA-C1B-NB	-6.08	112.22	124.93
31	SH	203	PEB	C1C-CHB-C4B	6.07	136.07	128.81
31	Y8	203	PEB	CHA-C1B-NB	-6.07	112.22	124.93
33	F6	1001	CYC	OB-C4B-C3B	-6.07	121.45	128.04
32	Z9	305	PUB	OD-C4D-C3D	-6.07	121.45	128.04
31	H8	201	PEB	CHA-C1B-NB	-6.07	112.24	124.93
31	W2	201	PEB	CHB-C4B-NB	-6.07	120.41	128.83
31	OH	202	PEB	CHB-C4B-NB	-6.07	120.41	128.83
31	WE	201	PEB	CMB-C2B-C1B	6.07	134.41	125.06
31	X4	201	PEB	CHB-C4B-NB	-6.07	120.41	128.83
31	wF	302	PEB	CHB-C4B-NB	-6.07	120.41	128.83
32	AE	302	PUB	CAD-C3D-C4D	6.07	130.96	121.38
31	Y9	202	PEB	CHC-C4C-C3C	-6.06	120.00	130.34
31	HF	201	PEB	CHA-C1B-NB	-6.06	112.25	124.93
31	M4	203	PEB	CHC-C4C-C3C	-6.06	120.00	130.34
31	iB	202	PEB	CHC-C4C-C3C	-6.06	120.01	130.34
31	I8	201	PEB	C4B-C3B-C2B	-6.05	100.08	106.78
31	H9	202	PEB	C1C-CHB-C4B	6.05	136.04	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	IF	201	PEB	C4B-C3B-C2B	-6.05	100.09	106.78
31	f8	201	PEB	C2A-C1A-NA	6.05	113.49	108.27
31	a6	202	PEB	CHC-C4C-C3C	-6.05	120.02	130.34
33	LC	1003	CYC	C4D-CHA-C1A	6.05	136.03	128.81
31	I4	203	PEB	CHB-C4B-NB	-6.05	120.44	128.83
31	i4	202	PEB	C1C-CHB-C4B	-6.05	121.59	128.81
31	IH	203	PEB	CHB-C4B-NB	-6.04	120.44	128.83
31	B5	201	PEB	CHC-C4C-C3C	-6.04	120.03	130.34
31	V4	202	PEB	CHB-C4B-NB	-6.04	120.45	128.83
31	UK	201	PEB	CHC-C4C-C3C	-6.04	120.04	130.34
31	Q2	202	PEB	CHC-C4C-C3C	-6.04	120.04	130.34
31	O1	201	PEB	CHC-C4C-C3C	-6.04	120.04	130.34
31	aF	201	PEB	CHC-C4C-C3C	-6.04	120.04	130.34
31	AF	201	PEB	CMB-C2B-C1B	6.03	134.35	125.06
31	IH	202	PEB	CMB-C2B-C1B	6.03	134.35	125.06
33	HB	1001	CYC	C4D-CHA-C1A	6.03	136.01	128.81
31	i6	202	PEB	CHC-C4C-C3C	-6.03	120.06	130.34
31	P5	202	PEB	CMB-C2B-C1B	6.02	134.34	125.06
31	N7	202	PEB	CHB-C4B-NB	-6.02	120.47	128.83
31	PH	202	PEB	C1C-CHB-C4B	-6.02	121.62	128.81
31	N1	203	PEB	CHC-C1D-ND	-6.02	106.96	113.95
31	A8	201	PEB	CMB-C2B-C1B	6.02	134.33	125.06
31	OK	201	PEB	CHC-C4C-C3C	-6.02	120.07	130.34
32	yF	302	PUB	OD-C4D-C3D	-6.01	121.51	128.04
31	E4	203	PEB	CHC-C4C-C3C	-6.01	120.09	130.34
32	AH	303	PUB	CAD-C3D-C4D	6.01	130.87	121.38
31	W9	203	PEB	CHB-C4B-NB	-6.01	120.49	128.83
31	PJ	202	PEB	CMB-C2B-C1B	6.01	134.31	125.06
31	U1	201	PEB	CHC-C4C-C3C	-6.01	120.09	130.34
31	SC	201	PEB	CHB-C4B-NB	-6.01	120.50	128.83
31	QC	202	PEB	CHC-C4C-C3C	-6.01	120.09	130.34
31	UF	201	PEB	CHB-C4B-C3B	-6.00	111.45	125.32
31	R5	201	PEB	CHB-C4B-NB	-6.00	120.50	128.83
31	S2	201	PEB	CHA-C1B-NB	-6.00	112.37	124.93
31	HK	203	PEB	CAB-C3B-C4B	6.00	135.63	125.01
31	W1	201	PEB	CHC-C4C-C3C	-6.00	120.10	130.34
31	Q5	201	PEB	C1C-CHB-C4B	6.00	135.97	128.81
31	G8	201	PEB	CHC-C4C-C3C	-6.00	120.11	130.34
31	NK	203	PEB	CHC-C1D-ND	-6.00	106.98	113.95
31	P1	202	PEB	C1C-CHB-C4B	6.00	135.97	128.81
32	AE	303	PUB	CAD-C3D-C4D	6.00	130.85	121.38
31	IA	202	PEB	CHB-C4B-NB	-6.00	120.51	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PK	202	PEB	C1C-CHB-C4B	6.00	135.97	128.81
31	a8	201	PEB	CHC-C4C-C3C	-6.00	120.11	130.34
31	DK	202	PEB	CHB-C4B-NB	-6.00	120.51	128.83
32	AB	303	PUB	OD-C4D-C3D	-5.99	121.53	128.04
31	QJ	201	PEB	C1C-CHB-C4B	5.99	135.97	128.81
31	WK	201	PEB	CHC-C4C-C3C	-5.99	120.11	130.34
32	A6	302	PUB	CHB-C1C-NC	-5.99	120.51	128.83
31	NE	201	PEB	CHB-C4B-NB	-5.99	120.52	128.83
32	AD	302	PUB	CAD-C3D-C4D	5.99	130.84	121.38
31	FJ	201	PEB	CMB-C2B-C1B	5.99	134.28	125.06
32	y8	302	PUB	OD-C4D-C3D	-5.99	121.54	128.04
32	AH	304	PUB	CAD-C3D-C4D	5.99	130.84	121.38
31	GF	202	PEB	C3B-C4B-NB	5.98	118.75	110.05
33	DE	1001	CYC	OB-C4B-C3B	-5.98	121.55	128.04
33	I2	201	CYC	C4D-CHA-C1A	5.98	135.96	128.81
31	jF	201	PEB	CHB-C4B-NB	-5.98	120.53	128.83
31	S5	201	PEB	CHC-C1D-ND	-5.98	107.00	113.95
33	H6	1001	CYC	C4D-CHA-C1A	5.98	135.96	128.81
31	QB	201	PEB	CHB-C4B-C3B	-5.98	111.50	125.32
31	WI	201	PEB	C4B-C3B-C2B	-5.98	100.16	106.78
31	M9	301	PEB	CHB-C4B-NB	-5.98	120.53	128.83
31	D1	202	PEB	CHB-C4B-NB	-5.98	120.53	128.83
31	U8	201	PEB	CHB-C4B-C3B	-5.98	111.51	125.32
31	ND	201	PEB	CHB-C4B-NB	-5.98	120.54	128.83
31	XH	201	PEB	C1C-CHB-C4B	-5.98	121.67	128.81
31	P4	201	PEB	C1C-CHB-C4B	-5.98	121.67	128.81
32	AD	303	PUB	CAD-C3D-C4D	5.97	130.81	121.38
31	dD	201	PEB	CHC-C1D-ND	-5.97	107.01	113.95
31	a4	201	PEB	CHB-C4B-NB	-5.97	120.54	128.83
31	Z9	301	PEB	CHB-C4B-NB	-5.97	120.55	128.83
31	X1	203	PEB	C1C-CHB-C4B	5.97	135.94	128.81
31	UC	202	PEB	CHB-C4B-NB	-5.97	120.55	128.83
32	yF	303	PUB	OD-C4D-C3D	-5.97	121.56	128.04
31	Q6	201	PEB	CHB-C4B-C3B	-5.97	111.54	125.32
31	S2	201	PEB	CHB-C4B-NB	-5.97	120.55	128.83
32	AC	304	PUB	OD-C4D-C3D	-5.96	121.57	128.04
32	AH	304	PUB	OD-C4D-C3D	-5.96	121.57	128.04
32	AE	302	PUB	CHC-C1D-ND	-5.96	106.18	113.72
31	fF	201	PEB	C2A-C1A-NA	5.96	113.41	108.27
31	XK	203	PEB	C1C-CHB-C4B	5.96	135.93	128.81
32	A2	304	PUB	OD-C4D-C3D	-5.96	121.57	128.04
31	Q4	203	PEB	CHB-C4B-NB	-5.96	120.56	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	S7	201	PEB	CMD-C2D-C3D	-5.96	121.66	130.06
31	gB	202	PEB	C1C-CHB-C4B	5.96	135.93	128.81
33	DD	1001	CYC	OB-C4B-C3B	-5.96	121.57	128.04
31	H1	203	PEB	CAB-C3B-C4B	5.96	135.55	125.01
33	MB	1001	CYC	OC-C1C-C2C	-5.95	121.44	126.17
31	SC	201	PEB	CHA-C1B-NB	-5.95	112.48	124.93
31	g6	202	PEB	C1C-CHB-C4B	5.95	135.91	128.81
31	KJ	202	PEB	CHB-C4B-NB	-5.94	120.58	128.83
31	Z9	302	PEB	CHB-C4B-NB	-5.94	120.58	128.83
31	K5	202	PEB	CHB-C4B-NB	-5.94	120.59	128.83
31	CH	201	PEB	CHB-C4B-NB	-5.94	120.59	128.83
33	y3	1001	CYC	CHB-C4A-NA	-5.94	112.51	124.93
31	QF	201	PEB	C1C-CHB-C4B	5.93	135.90	128.81
31	u8	202	PEB	CHB-C4B-NB	-5.93	120.60	128.83
31	SJ	201	PEB	CHC-C1D-ND	-5.93	107.06	113.95
31	W7	201	PEB	CMD-C2D-C3D	-5.93	121.70	130.06
31	I8	201	PEB	OA-C1A-C2A	5.93	130.89	126.17
32	yF	303	PUB	CAD-C3D-C4D	5.93	130.75	121.38
33	W3	1001	CYC	CHB-C4A-NA	-5.93	112.53	124.93
32	x8	306	PUB	OD-C4D-C3D	-5.93	121.61	128.04
31	uF	203	PEB	CHB-C4B-NB	-5.93	120.61	128.83
31	F5	201	PEB	CMB-C2B-C1B	5.93	134.19	125.06
31	h4	201	PEB	C1C-CHB-C4B	5.92	135.89	128.81
31	P4	201	PEB	CHC-C1D-ND	5.92	120.83	113.95
31	U2	202	PEB	CHB-C4B-NB	-5.92	120.61	128.83
31	M9	302	PEB	CHB-C4B-NB	-5.92	120.61	128.83
32	wF	304	PUB	CAD-C3D-C4D	5.92	130.73	121.38
33	GB	1001	CYC	C4D-CHA-C1A	5.92	135.88	128.81
33	73	1002	CYC	CHB-C4A-C3A	5.92	140.12	124.90
31	T6	203	PEB	CHB-C4B-NB	-5.92	120.62	128.83
31	ZD	202	PEB	C1C-CHB-C4B	5.92	135.88	128.81
31	D5	202	PEB	CHB-C4B-NB	-5.92	120.62	128.83
32	A6	302	PUB	OD-C4D-C3D	-5.91	121.62	128.04
31	B7	202	PEB	CHB-C4B-NB	-5.91	120.62	128.83
31	DJ	201	PEB	C1C-CHB-C4B	5.91	135.87	128.81
32	xF	305	PUB	OD-C4D-C3D	-5.91	121.62	128.04
31	VJ	202	PEB	CHC-C1D-ND	-5.91	107.09	113.95
31	ZE	202	PEB	C1C-CHB-C4B	5.91	135.87	128.81
32	xF	306	PUB	OD-C4D-C3D	-5.91	121.63	128.04
33	LD	1001	CYC	CMA-C3A-C4A	5.91	134.16	125.06
31	GH	201	PEB	CHB-C4B-NB	-5.91	120.63	128.83
32	AD	302	PUB	CHC-C1D-ND	-5.91	106.25	113.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	xF	303	PEB	CHB-C4B-NB	-5.91	120.64	128.83
32	y8	303	PUB	OD-C4D-C3D	-5.90	121.63	128.04
31	HH	201	PEB	CHB-C4B-NB	-5.90	120.64	128.83
31	JH	202	PEB	CHB-C4B-NB	-5.90	120.64	128.83
33	G6	1001	CYC	C4D-CHA-C1A	5.90	135.86	128.81
31	L4	202	PEB	C1C-CHB-C4B	-5.90	121.76	128.81
31	BA	203	PEB	CHC-C1D-ND	-5.90	107.10	113.95
31	kC	202	PEB	C1C-CHB-C4B	5.90	135.85	128.81
31	TB	203	PEB	CHB-C4B-NB	-5.90	120.65	128.83
31	CA	202	PEB	CHC-C1D-ND	-5.90	107.10	113.95
31	JF	201	PEB	C2A-C1A-NA	5.89	113.35	108.27
31	SE	201	PEB	C1C-CHB-C4B	5.89	135.85	128.81
32	BH	302	PUB	OD-C4D-C3D	-5.89	121.65	128.04
31	WF	202	PEB	CMB-C2B-C1B	5.89	134.13	125.06
31	SD	201	PEB	C1C-CHB-C4B	5.89	135.84	128.81
31	H7	202	PEB	CHB-C4B-NB	-5.89	120.66	128.83
31	AD	301	PEB	C1C-CHB-C4B	-5.89	121.78	128.81
33	LE	1001	CYC	CMA-C3A-C4A	5.89	134.13	125.06
31	j8	201	PEB	CHB-C4B-NB	-5.89	120.66	128.83
33	M6	1001	CYC	OC-C1C-C2C	-5.88	121.50	126.17
32	w8	304	PUB	CAD-C3D-C4D	5.88	130.67	121.38
32	AB	302	PUB	OD-C4D-C3D	-5.88	121.66	128.04
33	f3	1001	CYC	CMB-C2B-C1B	5.88	131.51	124.17
31	o8	203	PEB	OA-C1A-C2A	-5.88	121.50	126.17
33	S3	1001	CYC	CMB-C2B-C1B	5.87	131.50	124.17
31	KA	302	PEB	CHC-C1D-ND	-5.87	107.13	113.95
33	u3	1001	CYC	CMB-C2B-C1B	5.87	131.50	124.17
31	NA	203	PEB	CHC-C1D-ND	-5.87	107.13	113.95
31	JK	202	PEB	CHC-C4C-C3C	-5.87	120.32	130.34
31	FH	201	PEB	CHB-C4B-NB	-5.87	120.69	128.83
31	A5	304	PEB	CHB-C4B-NB	-5.87	120.69	128.83
31	dE	201	PEB	CHC-C1D-ND	-5.86	107.14	113.95
31	Q8	201	PEB	C1C-CHB-C4B	5.86	135.81	128.81
33	h3	1001	CYC	CMB-C2B-C1B	5.86	131.49	124.17
31	N1	201	PEB	OA-C1A-C2A	-5.86	121.51	126.17
31	h6	201	PEB	C1C-CHB-C4B	5.86	135.81	128.81
31	E4	201	PEB	CHC-C4C-C3C	-5.86	120.34	130.34
31	aH	201	PEB	CHB-C4B-NB	-5.86	120.70	128.83
31	UH	203	PEB	CHC-C4C-C3C	-5.86	120.35	130.34
33	F3	1001	CYC	CMB-C2B-C1B	5.85	131.48	124.17
31	D5	201	PEB	C1C-CHB-C4B	5.85	135.80	128.81
31	NG	203	PEB	CHA-C1B-NB	-5.85	112.69	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	CH	203	PEB	C1C-CHB-C4B	5.85	135.80	128.81
31	eF	201	PEB	C1C-CHB-C4B	5.85	135.79	128.81
33	73	1001	CYC	CMB-C2B-C1B	5.85	131.47	124.17
31	TH	202	PEB	CHB-C4B-NB	-5.85	120.72	128.83
31	Z4	201	PEB	CHB-C4B-NB	-5.85	120.72	128.83
31	AJ	304	PEB	CHB-C4B-NB	-5.85	120.72	128.83
31	T1	202	PEB	C2A-C1A-NA	5.85	113.31	108.27
31	x8	303	PEB	CHB-C4B-NB	-5.84	120.72	128.83
32	ZI	305	PUB	C1C-C2C-C3C	-5.84	100.31	106.78
31	AE	301	PEB	C1C-CHB-C4B	-5.84	121.83	128.81
32	Q4	202	PUB	OD-C4D-C3D	-5.84	121.70	128.04
32	A6	303	PUB	OD-C4D-C3D	-5.84	121.70	128.04
31	J1	202	PEB	CHC-C4C-C3C	-5.84	120.37	130.34
33	D3	1001	CYC	CMB-C2B-C1B	5.84	131.46	124.17
31	QB	201	PEB	C1C-CHB-C4B	5.84	135.79	128.81
31	JI	202	PEB	CHC-C4C-C3C	-5.84	120.38	130.34
32	x8	305	PUB	OD-C4D-C3D	-5.84	121.70	128.04
33	H3	1001	CYC	CMB-C2B-C1B	5.84	131.46	124.17
33	L3	1001	CYC	CMB-C2B-C1B	5.84	131.46	124.17
31	lC	202	PEB	CHA-C1B-NB	-5.84	112.72	124.93
32	AJ	303	PUB	OD-C4D-C3D	-5.84	121.70	128.04
31	WG	202	PEB	CHC-C1D-ND	5.84	120.72	113.95
31	J8	201	PEB	C2A-C1A-NA	5.84	113.30	108.27
31	O4	203	PEB	C1C-CHB-C4B	5.84	135.78	128.81
31	V6	202	PEB	CHB-C4B-NB	-5.84	120.73	128.83
31	S8	202	PEB	CHA-C1B-NB	-5.84	112.73	124.93
31	oF	203	PEB	OA-C1A-C2A	-5.83	121.53	126.17
33	q3	1001	CYC	CMB-C2B-C1B	5.83	131.45	124.17
33	w3	1001	CYC	CMB-C2B-C1B	5.83	131.45	124.17
31	Q6	201	PEB	C1C-CHB-C4B	5.83	135.78	128.81
33	d3	1001	CYC	CMB-C2B-C1B	5.83	131.45	124.17
31	PB	202	PEB	CHC-C4C-C3C	-5.83	120.39	130.34
33	n3	1001	CYC	CMB-C2B-C1B	5.83	131.45	124.17
33	o3	1001	CYC	CMB-C2B-C1B	5.83	131.45	124.17
31	V5	202	PEB	CHC-C1D-ND	-5.83	107.18	113.95
31	l2	203	PEB	CHA-C1B-NB	-5.83	112.74	124.93
33	M3	1001	CYC	CMB-C2B-C1B	5.83	131.44	124.17
31	C8	201	PEB	CHB-C4B-NB	-5.83	120.75	128.83
33	j3	1001	CYC	CMB-C2B-C1B	5.83	131.44	124.17
33	k3	1001	CYC	CMB-C2B-C1B	5.83	131.44	124.17
31	kF	202	PEB	CHB-C4B-NB	-5.83	120.75	128.83
31	jH	201	PEB	CHB-C4B-NB	-5.83	120.75	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	O3	1001	CYC	CMB-C2B-C1B	5.82	131.44	124.17
31	CF	201	PEB	CHB-C4B-NB	-5.82	120.75	128.83
33	K6	1001	CYC	OC-C1C-C2C	-5.82	121.54	126.17
33	I3	1001	CYC	CMB-C2B-C1B	5.82	131.44	124.17
33	Q3	1001	CYC	CMB-C2B-C1B	5.82	131.44	124.17
32	CI	203	PUB	C1C-C2C-C3C	-5.82	100.34	106.78
31	f4	202	PEB	CHB-C4B-NB	-5.82	120.76	128.83
31	J9	202	PEB	C1C-CHB-C4B	5.82	135.76	128.81
33	G6	1001	CYC	CAB-C3B-C4B	5.82	130.56	121.38
31	S9	202	PEB	CHC-C4C-C3C	-5.82	120.42	130.34
32	AC	304	PUB	CAD-C3D-C4D	5.81	130.56	121.38
33	y3	1001	CYC	C4D-CHA-C1A	5.81	135.75	128.81
31	D4	202	PEB	CHB-C4B-NB	-5.81	120.76	128.83
31	O7	201	PEB	CHB-C4B-NB	-5.81	120.76	128.83
33	U3	1001	CYC	CMB-C2B-C1B	5.81	131.43	124.17
31	NC	1002	PEB	CHB-C4B-NB	-5.81	120.77	128.83
33	JC	1001	CYC	CMA-C3A-C4A	5.81	134.01	125.06
31	QC	201	PEB	C1C-CHB-C4B	5.81	135.75	128.81
31	TK	202	PEB	C2A-C1A-NA	5.81	113.28	108.27
32	y8	303	PUB	CAD-C3D-C4D	5.81	130.55	121.38
33	B3	1001	CYC	CMB-C2B-C1B	5.81	131.42	124.17
31	H9	202	PEB	CHC-C4C-C3C	-5.81	120.43	130.34
31	W8	202	PEB	CMB-C2B-C1B	5.81	134.01	125.06
31	l8	202	PEB	C1C-CHB-C4B	5.81	135.75	128.81
33	GE	201	CYC	C4D-CHA-C1A	5.81	135.75	128.81
31	VC	203	PEB	OA-C1A-C2A	-5.81	121.56	126.17
31	jB	201	PEB	C1C-CHB-C4B	5.80	135.74	128.81
31	UC	201	PEB	CHC-C4C-C3C	-5.80	120.44	130.34
31	U2	201	PEB	CHC-C4C-C3C	-5.80	120.45	130.34
31	C4	202	PEB	CHC-C4C-C3C	-5.80	120.45	130.34
31	HK	203	PEB	CHB-C4B-NB	-5.80	120.79	128.83
31	SF	202	PEB	CHA-C1B-NB	-5.80	112.81	124.93
31	P6	202	PEB	CHC-C4C-C3C	-5.79	120.45	130.34
33	GB	1001	CYC	CAB-C3B-C4B	5.79	130.53	121.38
31	VB	202	PEB	CHB-C4B-NB	-5.79	120.79	128.83
31	YH	201	PEB	CHC-C4C-C3C	-5.79	120.46	130.34
31	K4	202	PEB	CHC-C4C-C3C	-5.79	120.46	130.34
31	d2	203	PEB	CHA-C1B-NB	-5.79	112.83	124.93
32	x8	301	PUB	C1D-CHC-C4C	-5.79	100.78	113.37
32	A2	303	PUB	CAD-C3D-C4D	5.78	130.51	121.38
31	d2	201	PEB	C1C-CHB-C4B	5.78	135.71	128.81
33	KB	1001	CYC	OC-C1C-C2C	-5.78	121.58	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	A5	303	PUB	OD-C4D-C3D	-5.78	121.77	128.04
31	NK	201	PEB	OA-C1A-C2A	-5.78	121.58	126.17
31	dC	201	PEB	C1C-CHB-C4B	5.78	135.71	128.81
31	PA	201	PEB	CHC-C1D-ND	-5.78	107.24	113.95
31	DJ	202	PEB	CHB-C4B-NB	-5.78	120.81	128.83
33	BD	1001	CYC	CAB-C3B-C4B	5.78	130.50	121.38
31	VJ	201	PEB	C1C-CHB-C4B	-5.78	121.91	128.81
31	JB	1002	PEB	CHB-C4B-NB	-5.77	120.82	128.83
33	D2	1001	CYC	OC-C1C-C2C	-5.77	121.58	126.17
31	J6	1002	PEB	CHB-C4B-NB	-5.77	120.82	128.83
31	Q2	201	PEB	C1C-CHB-C4B	5.77	135.70	128.81
31	KA	303	PEB	CBC-CAC-C2C	5.77	122.47	112.62
32	AC	303	PUB	CAD-C3D-C4D	5.77	130.49	121.38
31	TA	201	PEB	CHA-C1B-NB	-5.77	112.86	124.93
31	HJ	202	PEB	CMB-C2B-C1B	5.77	133.95	125.06
31	H5	202	PEB	CMB-C2B-C1B	5.77	133.95	125.06
31	hH	202	PEB	CHB-C4B-NB	-5.77	120.83	128.83
31	DI	201	PEB	C4B-C3B-C2B	-5.77	100.40	106.78
32	A2	304	PUB	CAD-C3D-C4D	5.77	130.49	121.38
31	MH	201	PEB	CHC-C1D-ND	-5.77	107.25	113.95
31	e4	202	PEB	CHB-C4B-NB	-5.77	120.83	128.83
32	A4	304	PUB	OD-C4D-C3D	-5.77	121.78	128.04
33	W3	1001	CYC	C4D-CHA-C1A	5.76	135.69	128.81
33	EC	1001	CYC	OB-C4B-C3B	-5.76	121.79	128.04
31	JA	201	PEB	CHA-C1B-NB	-5.76	112.88	124.93
31	F2	1002	PEB	OA-C1A-C2A	-5.76	121.59	126.17
31	QK	201	PEB	CHB-C4B-NB	-5.76	120.84	128.83
31	gF	203	PEB	CHA-C1B-NB	-5.76	112.89	124.93
31	l8	203	PEB	CHA-C1B-NB	-5.76	112.89	124.93
31	ZI	303	PEB	OA-C1A-C2A	-5.75	121.60	126.17
32	A2	303	PUB	CBB-CAB-C3B	5.75	122.44	112.62
31	H1	203	PEB	CHB-C4B-NB	-5.75	120.86	128.83
31	P7	202	PEB	CHB-C4B-NB	-5.75	120.86	128.83
31	k2	202	PEB	C1C-CHB-C4B	5.75	135.67	128.81
31	LC	1002	PEB	CHB-C4B-NB	-5.75	120.86	128.83
33	E2	1001	CYC	OB-C4B-C3B	-5.75	121.80	128.04
31	SE	201	PEB	CHC-C1D-ND	-5.74	107.28	113.95
31	a2	202	PEB	CHB-C4B-NB	-5.74	120.86	128.83
31	e8	201	PEB	C1C-CHB-C4B	5.74	135.67	128.81
32	xF	301	PUB	C1D-CHC-C4C	-5.74	100.87	113.37
31	ZC	203	PEB	CHC-C1D-ND	-5.74	107.28	113.95
31	O2	201	PEB	CHC-C4C-C3C	-5.74	120.54	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	IH	202	PEB	CHA-C1B-NB	-5.74	112.92	124.93
33	DC	1001	CYC	OC-C1C-C2C	-5.74	121.61	126.17
31	D9	202	PEB	C1C-CHB-C4B	5.74	135.67	128.81
31	B5	201	PEB	CHB-C4B-NB	-5.74	120.86	128.83
31	O7	201	PEB	CMC-C3C-C2C	-5.74	114.12	124.94
31	cH	201	PEB	CHB-C4B-NB	-5.74	120.87	128.83
31	DA	203	PEB	CHC-C1D-ND	-5.74	107.29	113.95
32	AC	303	PUB	CBB-CAB-C3B	5.74	122.41	112.62
31	T8	201	PEB	C2A-C1A-NA	5.73	113.22	108.27
31	N2	1002	PEB	CHB-C4B-NB	-5.73	120.88	128.83
31	g8	203	PEB	CHA-C1B-NB	-5.73	112.94	124.93
31	Y6	202	PEB	CHC-C4C-C3C	-5.73	120.56	130.34
31	hB	201	PEB	C1C-CHB-C4B	5.73	135.66	128.81
31	WH	202	PEB	CHC-C4C-C3C	-5.73	120.56	130.34
31	dC	203	PEB	CHA-C1B-NB	-5.73	112.95	124.93
31	OC	201	PEB	CHC-C4C-C3C	-5.73	120.56	130.34
31	j6	201	PEB	C1C-CHB-C4B	5.73	135.65	128.81
31	NK	202	PEB	C2A-C1A-NA	5.73	113.21	108.27
31	O4	201	PEB	CHA-C1B-NB	-5.73	112.95	124.93
31	L5	202	PEB	CHA-C1B-NB	-5.73	112.95	124.93
33	BE	1001	CYC	CAB-C3B-C4B	5.73	130.42	121.38
31	ZI	303	PEB	CHB-C4B-NB	-5.73	120.89	128.83
31	L2	1002	PEB	CHB-C4B-NB	-5.72	120.89	128.83
33	ME	1001	CYC	C4D-CHA-C1A	5.72	135.65	128.81
31	V5	202	PEB	CHB-C4B-NB	-5.72	120.89	128.83
31	k8	202	PEB	CHB-C4B-NB	-5.72	120.89	128.83
31	kD	201	PEB	CHB-C4B-NB	-5.72	120.89	128.83
31	mH	201	PEB	CHB-C4B-NB	-5.72	120.89	128.83
31	RB	202	PEB	CHC-C4C-C3C	-5.72	120.58	130.34
31	dD	202	PEB	CHB-C4B-NB	-5.72	120.90	128.83
32	ZI	305	PUB	CAC-C2C-C1C	5.72	135.12	125.01
31	FF	201	PEB	OA-C1A-NA	5.72	131.86	124.94
31	JJ	203	PEB	CHB-C4B-NB	-5.72	120.90	128.83
31	aC	202	PEB	CHB-C4B-NB	-5.71	120.90	128.83
33	HB	1001	CYC	OB-C4B-C3B	-5.71	121.84	128.04
31	YB	202	PEB	CHC-C4C-C3C	-5.71	120.59	130.34
33	J2	1001	CYC	CMA-C3A-C4A	5.71	133.86	125.06
33	F3	1001	CYC	C4D-CHA-C1A	5.71	135.63	128.81
31	gA	202	PEB	CHB-C4B-NB	-5.71	120.91	128.83
31	dE	202	PEB	CHB-C4B-NB	-5.71	120.91	128.83
31	V5	201	PEB	C1C-CHB-C4B	-5.71	121.99	128.81
31	BJ	201	PEB	CHB-C4B-NB	-5.71	120.91	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AE	304	PEB	CHB-C4B-NB	-5.71	120.91	128.83
31	Q1	201	PEB	CHB-C4B-NB	-5.70	120.91	128.83
31	m6	202	PEB	C1C-CHB-C4B	5.70	135.62	128.81
33	h3	1001	CYC	C4D-CHA-C1A	5.70	135.62	128.81
31	O4	202	PEB	CHC-C4C-C3C	-5.70	120.61	130.34
31	OK	201	PEB	CHB-C4B-NB	-5.70	120.92	128.83
31	lF	203	PEB	CHA-C1B-NB	-5.70	113.01	124.93
33	w3	1001	CYC	C4D-CHA-C1A	5.70	135.62	128.81
31	N1	202	PEB	C2A-C1A-NA	5.70	113.19	108.27
33	73	1001	CYC	C4D-CHA-C1A	5.70	135.61	128.81
31	VJ	202	PEB	CHB-C4B-NB	-5.70	120.93	128.83
33	Q3	1001	CYC	C4D-CHA-C1A	5.69	135.61	128.81
31	SD	201	PEB	CHC-C1D-ND	-5.69	107.34	113.95
33	DC	1003	CYC	OB-C4B-C3B	-5.69	121.86	128.04
31	Z2	203	PEB	CHC-C1D-ND	-5.69	107.34	113.95
31	WE	203	PEB	C1C-CHB-C4B	5.69	135.61	128.81
33	O3	1001	CYC	C4D-CHA-C1A	5.69	135.61	128.81
31	MI	304	PEB	CHB-C4B-NB	-5.69	120.94	128.83
31	R6	202	PEB	CHC-C4C-C3C	-5.69	120.63	130.34
33	u3	1001	CYC	C4D-CHA-C1A	5.69	135.60	128.81
32	CI	203	PUB	CAC-C2C-C1C	5.69	135.07	125.01
31	LJ	202	PEB	CHA-C1B-NB	-5.69	113.04	124.93
31	Q7	203	PEB	CHB-C4B-NB	-5.69	120.94	128.83
32	NJ	201	PUB	C1D-CHC-C4C	-5.68	101.00	113.37
31	SI	201	PEB	CAA-C3A-C2A	-5.68	100.06	114.26
33	GD	201	CYC	C4D-CHA-C1A	5.68	135.60	128.81
33	H6	1001	CYC	OB-C4B-C3B	-5.68	121.87	128.04
31	MI	304	PEB	OA-C1A-C2A	-5.68	121.66	126.17
31	BH	301	PEB	CHC-C1D-ND	-5.68	107.35	113.95
33	MD	1001	CYC	C4D-CHA-C1A	5.68	135.59	128.81
33	M3	1001	CYC	C4D-CHA-C1A	5.68	135.59	128.81
31	P4	202	PEB	C1C-CHB-C4B	-5.68	122.03	128.81
31	QF	201	PEB	CMB-C2B-C1B	5.68	133.81	125.06
33	f3	1001	CYC	C4D-CHA-C1A	5.68	135.59	128.81
31	lF	201	PEB	CHA-C4A-NA	5.68	131.96	125.20
31	TF	201	PEB	C2A-C1A-NA	5.68	113.17	108.27
31	d6	201	PEB	C1C-CHB-C4B	5.68	135.59	128.81
31	NK	202	PEB	CHC-C1D-ND	-5.67	107.36	113.95
31	M4	202	PEB	CMB-C2B-C1B	5.67	133.80	125.06
31	LH	201	PEB	CHB-C4B-NB	-5.67	120.96	128.83
31	lF	202	PEB	C1C-CHB-C4B	5.67	135.58	128.81
33	H3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	I3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
32	QH	202	PUB	OD-C4D-C3D	-5.67	121.89	128.04
32	B4	302	PUB	CHB-C1C-NC	-5.67	120.96	128.83
33	j3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
31	YH	201	PEB	CHC-C1D-ND	-5.67	107.36	113.95
31	F1	202	PEB	C1C-CHB-C4B	5.67	135.58	128.81
33	DC	1003	CYC	C4D-CHA-C1A	5.67	135.58	128.81
33	L3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
33	U3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
33	o3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
33	D3	1001	CYC	OB-C4B-C3B	-5.67	121.89	128.04
33	Q3	1001	CYC	OB-C4B-C3B	-5.67	121.89	128.04
33	S3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
33	k3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
33	B3	1001	CYC	C4D-CHA-C1A	5.67	135.58	128.81
31	RK	202	PEB	CHB-C4B-NB	-5.67	120.97	128.83
31	P2	201	PEB	CHC-C1D-ND	-5.66	107.37	113.95
31	J4	201	PEB	C1C-CHB-C4B	-5.66	122.04	128.81
33	LC	1001	CYC	CMB-C2B-C1B	5.66	131.24	124.17
31	wF	301	PEB	C1C-CHB-C4B	-5.66	122.04	128.81
31	a4	204	PEB	CHC-C4C-C3C	-5.66	120.68	130.34
31	J5	203	PEB	CHB-C4B-NB	-5.66	120.97	128.83
31	QD	201	PEB	CHC-C4C-C3C	-5.66	120.68	130.34
31	mB	202	PEB	C1C-CHB-C4B	5.66	135.57	128.81
31	QE	201	PEB	CHC-C4C-C3C	-5.66	120.69	130.34
31	EA	501	PEB	CHB-C4B-NB	-5.66	120.98	128.83
33	k3	1001	CYC	OB-C4B-C3B	-5.66	121.90	128.04
33	o3	1001	CYC	OB-C4B-C3B	-5.66	121.90	128.04
33	D3	1001	CYC	C4D-CHA-C1A	5.66	135.57	128.81
31	AD	304	PEB	CHB-C4B-NB	-5.66	120.98	128.83
33	I3	1001	CYC	OB-C4B-C3B	-5.65	121.90	128.04
33	D2	1003	CYC	C4D-CHA-C1A	5.65	135.56	128.81
33	L3	1001	CYC	OB-C4B-C3B	-5.65	121.91	128.04
32	N5	201	PUB	C1D-CHC-C4C	-5.65	101.07	113.37
33	q3	1001	CYC	C4D-CHA-C1A	5.65	135.56	128.81
31	FC	1002	PEB	OA-C1A-C2A	-5.65	121.68	126.17
33	JC	1001	CYC	CHB-C4A-NA	-5.65	113.12	124.93
32	AD	303	PUB	OD-C4D-C3D	-5.65	121.91	128.04
33	d3	1001	CYC	OB-C4B-C3B	-5.65	121.91	128.04
33	j3	1001	CYC	OB-C4B-C3B	-5.65	121.91	128.04
31	FA	201	PEB	CHC-C4C-C3C	-5.65	120.71	130.34
32	AE	303	PUB	OD-C4D-C3D	-5.65	121.91	128.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N1	202	PEB	CHC-C1D-ND	-5.64	107.39	113.95
31	MK	202	PEB	CHB-C4B-NB	-5.64	121.00	128.83
33	H3	1001	CYC	OB-C4B-C3B	-5.64	121.92	128.04
31	j2	201	PEB	C1C-CHB-C4B	5.64	135.55	128.81
31	c4	202	PEB	CHB-C4B-NB	-5.64	121.01	128.83
31	R1	202	PEB	CHB-C4B-NB	-5.64	121.01	128.83
31	q8	202	PEB	CMB-C2B-C1B	5.64	133.74	125.06
31	F8	201	PEB	OA-C1A-NA	5.63	131.77	124.94
33	n3	1001	CYC	OB-C4B-C3B	-5.63	121.92	128.04
31	qF	202	PEB	CMB-C2B-C1B	5.63	133.74	125.06
31	C7	201	PEB	CMC-C3C-C2C	-5.63	114.32	124.94
33	F3	1001	CYC	OB-C4B-C3B	-5.63	121.93	128.04
31	WD	203	PEB	C1C-CHB-C4B	5.63	135.54	128.81
31	f2	201	PEB	CHB-C4B-NB	-5.63	121.02	128.83
33	w3	1001	CYC	OB-C4B-C3B	-5.63	121.93	128.04
31	P1	201	PEB	CMB-C2B-C1B	5.63	133.74	125.06
31	DF	203	PEB	OA-C1A-C2A	-5.63	121.70	126.17
31	p8	202	PEB	OA-C1A-C2A	-5.63	121.70	126.17
33	EB	1001	CYC	CAB-C3B-C4B	5.63	130.27	121.38
31	dB	201	PEB	C1C-CHB-C4B	5.63	135.53	128.81
33	n3	1001	CYC	C4D-CHA-C1A	5.63	135.53	128.81
33	h3	1001	CYC	OB-C4B-C3B	-5.63	121.93	128.04
33	u3	1001	CYC	OB-C4B-C3B	-5.63	121.93	128.04
31	OF	201	PEB	OA-C1A-C2A	-5.63	121.70	126.17
31	fC	201	PEB	CHB-C4B-NB	-5.63	121.02	128.83
33	B3	1001	CYC	OB-C4B-C3B	-5.63	121.94	128.04
31	FK	202	PEB	C1C-CHB-C4B	5.63	135.53	128.81
31	WA	402	PEB	CHC-C1D-ND	-5.62	107.42	113.95
33	M3	1001	CYC	OB-C4B-C3B	-5.62	121.94	128.04
33	d3	1001	CYC	C4D-CHA-C1A	5.62	135.53	128.81
33	FD	202	CYC	CAB-C3B-C4B	5.62	130.26	121.38
31	N4	201	PEB	CBC-CAC-C2C	-5.62	103.03	112.62
31	dD	201	PEB	CHC-C4C-C3C	-5.62	120.75	130.34
33	O3	1001	CYC	OB-C4B-C3B	-5.62	121.94	128.04
33	J2	1001	CYC	CHB-C4A-NA	-5.62	113.17	124.93
31	D5	202	PEB	CHC-C1D-ND	-5.62	107.42	113.95
31	gA	201	PEB	CHB-C4B-NB	-5.62	121.03	128.83
32	NJ	201	PUB	OD-C4D-C3D	-5.62	121.94	128.04
31	ZH	201	PEB	C1C-CHB-C4B	-5.62	122.10	128.81
31	DJ	202	PEB	CHC-C1D-ND	-5.62	107.42	113.95
31	M1	202	PEB	CHB-C4B-NB	-5.62	121.03	128.83
31	l8	201	PEB	CHA-C4A-NA	5.62	131.88	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	D8	203	PEB	OA-C1A-C2A	-5.62	121.71	126.17
31	O1	201	PEB	CHB-C4B-NB	-5.62	121.04	128.83
31	I8	203	PEB	CHB-C4B-NB	-5.62	121.04	128.83
31	QC	202	PEB	CHA-C1B-NB	-5.62	113.19	124.93
33	L2	1001	CYC	CMB-C2B-C1B	5.61	131.18	124.17
31	PC	201	PEB	CHC-C1D-ND	-5.61	107.43	113.95
31	Q2	202	PEB	CHA-C1B-NB	-5.61	113.19	124.93
33	q3	1001	CYC	OB-C4B-C3B	-5.61	121.95	128.04
33	CE	1001	CYC	CAB-C3B-C4B	5.61	130.25	121.38
31	Y4	201	PEB	CHC-C1D-ND	-5.61	107.43	113.95
33	E6	1001	CYC	CAB-C3B-C4B	5.61	130.24	121.38
31	D7	202	PEB	CHB-C4B-NB	-5.61	121.04	128.83
33	FC	1001	CYC	CMB-C2B-C1B	5.61	131.18	124.17
31	jC	201	PEB	C1C-CHB-C4B	5.61	135.51	128.81
31	W8	201	PEB	CHB-C4B-NB	-5.61	121.05	128.83
33	U3	1001	CYC	OB-C4B-C3B	-5.61	121.95	128.04
31	WF	201	PEB	CHB-C4B-NB	-5.61	121.05	128.83
33	D2	1003	CYC	OB-C4B-C3B	-5.61	121.96	128.04
33	S3	1001	CYC	OB-C4B-C3B	-5.61	121.96	128.04
33	NC	1001	CYC	OC-C1C-C2C	-5.61	121.72	126.17
33	f3	1001	CYC	OB-C4B-C3B	-5.60	121.96	128.04
31	eF	202	PEB	CMB-C2B-C1B	5.60	133.69	125.06
31	IF	203	PEB	CHB-C4B-NB	-5.60	121.06	128.83
32	QH	202	PUB	CHC-C1D-ND	-5.60	106.64	113.72
33	F2	1001	CYC	CMB-C2B-C1B	5.60	131.16	124.17
32	CI	203	PUB	CHA-C1B-C2B	-5.60	120.78	130.34
31	NK	203	PEB	C1C-CHB-C4B	5.60	135.50	128.81
31	dE	201	PEB	CHC-C4C-C3C	-5.60	120.78	130.34
31	mH	202	PEB	CHC-C1D-ND	5.60	120.45	113.95
32	y8	303	PUB	CHA-C4A-NA	-5.60	107.44	113.95
31	aF	203	PEB	CMB-C2B-C1B	5.60	133.69	125.06
31	w8	301	PEB	C1C-CHB-C4B	-5.60	122.12	128.81
31	fH	202	PEB	CHC-C1D-ND	-5.60	107.45	113.95
31	a8	203	PEB	CMB-C2B-C1B	5.60	133.68	125.06
31	L8	201	PEB	CBC-CAC-C2C	-5.60	103.07	112.62
31	Q8	201	PEB	CMB-C2B-C1B	5.59	133.68	125.06
31	e8	202	PEB	CMB-C2B-C1B	5.59	133.68	125.06
31	FH	202	PEB	C1C-CHB-C4B	-5.59	122.13	128.81
33	HE	1001	CYC	OB-C4B-C3B	-5.59	121.97	128.04
31	RA	201	PEB	CHB-C4B-NB	-5.59	121.07	128.83
31	a8	202	PEB	CMB-C2B-C1B	5.59	133.67	125.06
31	QH	201	PEB	CHC-C4C-C3C	-5.59	120.81	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YE	201	PEB	CHC-C1D-ND	-5.59	107.46	113.95
33	73	1001	CYC	OB-C4B-C3B	-5.59	121.98	128.04
31	IE	201	PEB	C1C-CHB-C4B	5.59	135.48	128.81
31	IK	201	PEB	CHB-C4B-NB	-5.59	121.08	128.83
31	UI	201	PEB	C4B-C3B-C2B	-5.58	100.60	106.78
31	K7	201	PEB	CMD-C2D-C3D	-5.58	122.19	130.06
31	aF	202	PEB	CMB-C2B-C1B	5.58	133.66	125.06
31	V2	203	PEB	OA-C1A-C2A	-5.58	121.73	126.17
32	ZI	305	PUB	CHA-C1B-C2B	-5.58	120.82	130.34
33	HD	1001	CYC	OB-C4B-C3B	-5.58	121.99	128.04
31	PK	201	PEB	CMB-C2B-C1B	5.58	133.65	125.06
31	U1	201	PEB	CMB-C2B-C1B	5.58	133.65	125.06
31	UK	201	PEB	CMB-C2B-C1B	5.58	133.65	125.06
31	RK	201	PEB	CHC-C1D-ND	-5.58	107.47	113.95
31	XH	202	PEB	C1C-CHB-C4B	-5.57	122.15	128.81
31	V2	202	PEB	OA-C1A-C2A	-5.57	121.74	126.17
31	N1	203	PEB	C1C-CHB-C4B	5.57	135.46	128.81
31	OB	201	PEB	C1C-CHB-C4B	5.57	135.46	128.81
31	UI	202	PEB	CHB-C4B-NB	-5.57	121.10	128.83
31	M7	201	PEB	C1C-CHB-C4B	5.57	135.46	128.81
31	e2	202	PEB	CHB-C4B-NB	-5.57	121.11	128.83
31	FG	202	PEB	CHB-C4B-NB	-5.56	121.11	128.83
31	uF	201	PEB	CHC-C4C-C3C	-5.56	120.85	130.34
31	IF	201	PEB	CHC-C1D-ND	-5.56	107.49	113.95
33	FD	201	CYC	CAB-C3B-C4B	5.56	130.16	121.38
31	FI	202	PEB	C1C-CHB-C4B	5.56	135.45	128.81
31	OG	201	PEB	CHC-C1D-ND	-5.56	107.50	113.95
31	YD	201	PEB	CHC-C1D-ND	-5.55	107.50	113.95
31	wF	303	PEB	CHA-C1B-NB	-5.55	113.31	124.93
31	DH	202	PEB	OA-C1A-C2A	-5.55	121.76	126.17
31	Y1	303	PEB	OA-C1A-C2A	-5.55	121.76	126.17
31	V4	202	PEB	C1C-CHB-C4B	-5.55	122.18	128.81
31	b2	201	PEB	CHC-C4C-C3C	-5.55	120.88	130.34
33	N2	1001	CYC	OC-C1C-C2C	-5.55	121.76	126.17
31	L7	202	PEB	CHB-C4B-NB	-5.55	121.13	128.83
31	I4	202	PEB	CMB-C2B-C1B	5.55	133.61	125.06
31	OI	201	PEB	C4B-C3B-C2B	-5.55	100.64	106.78
31	W6	201	PEB	CHB-C4B-C3B	-5.54	112.51	125.32
31	I4	202	PEB	CHB-C4B-NB	-5.54	121.14	128.83
31	O6	201	PEB	C1C-CHB-C4B	5.54	135.43	128.81
32	YK	304	PUB	OD-C4D-C3D	-5.54	122.03	128.04
31	LF	201	PEB	CBC-CAC-C2C	-5.54	103.16	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	R9	201	PEB	CMB-C2B-C1B	5.54	133.60	125.06
33	FE	1001	CYC	CAB-C3B-C4B	5.54	130.13	121.38
32	Z9	305	PUB	CHC-C1D-ND	-5.54	106.71	113.72
31	WH	201	PEB	CMB-C2B-C1B	5.54	133.60	125.06
31	I1	201	PEB	CHB-C4B-NB	-5.54	121.14	128.83
31	eC	202	PEB	CHB-C4B-NB	-5.54	121.14	128.83
31	EH	202	PEB	CHB-C4B-NB	-5.54	121.14	128.83
31	T7	202	PEB	CHB-C4B-NB	-5.54	121.15	128.83
31	lE	201	PEB	CHC-C4C-C3C	-5.54	120.89	130.34
31	aH	204	PEB	CHC-C1D-ND	-5.53	107.52	113.95
31	D5	203	PEB	CHB-C4B-NB	-5.53	121.15	128.83
31	O8	201	PEB	OA-C1A-C2A	-5.53	121.77	126.17
32	yF	303	PUB	CHA-C4A-NA	-5.53	107.52	113.95
31	YH	202	PEB	CMB-C2B-C1B	5.53	133.58	125.06
31	FH	201	PEB	CBC-CAC-C2C	-5.53	103.18	112.62
31	I7	202	PEB	C1C-CHB-C4B	5.53	135.41	128.81
33	BE	1001	CYC	C4D-CHA-C1A	5.53	135.41	128.81
31	R1	201	PEB	CHC-C1D-ND	-5.53	107.53	113.95
31	W9	202	PEB	CHC-C4C-C3C	-5.53	120.91	130.34
31	G9	201	PEB	CMB-C2B-C1B	5.53	133.57	125.06
31	BF	201	PEB	CHC-C4C-C3C	-5.53	120.91	130.34
31	BG	201	PEB	CHB-C4B-NB	-5.53	121.16	128.83
31	BI	202	PEB	CHA-C1B-NB	-5.53	113.37	124.93
31	WB	201	PEB	CHB-C4B-C3B	-5.52	112.56	125.32
31	N9	201	PEB	CMB-C2B-C1B	5.52	133.57	125.06
31	cF	203	PEB	CHB-C4B-NB	-5.52	121.17	128.83
31	DJ	203	PEB	CHB-C4B-NB	-5.52	121.17	128.83
31	bC	201	PEB	CHC-C4C-C3C	-5.52	120.92	130.34
32	wF	304	PUB	C1D-CHC-C4C	-5.52	101.36	113.37
33	V3	1001	CYC	OB-C4B-C3B	-5.52	122.05	128.04
31	IA	203	PEB	CHB-C4B-NB	-5.52	121.17	128.83
31	Y7	504	PEB	CHB-C4B-NB	-5.52	121.17	128.83
31	X9	201	PEB	CMB-C2B-C1B	5.52	133.56	125.06
31	N5	203	PEB	CHC-C1D-ND	-5.52	107.54	113.95
31	t8	203	PEB	CHC-C4C-C3C	-5.52	120.93	130.34
32	M9	305	PUB	CHC-C1D-ND	-5.52	106.75	113.72
31	A9	201	PEB	CMB-C2B-C1B	5.51	133.55	125.06
31	Y8	203	PEB	CHB-C4B-NB	-5.51	121.18	128.83
31	aA	201	PEB	CHB-C4B-NB	-5.51	121.18	128.83
31	NJ	203	PEB	CHC-C1D-ND	-5.51	107.55	113.95
31	K9	201	PEB	CMB-C2B-C1B	5.51	133.55	125.06
31	E9	201	PEB	CMB-C2B-C1B	5.51	133.55	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	N6	1001	CYC	C4D-CHA-C1A	5.51	135.39	128.81
31	ND	201	PEB	OA-C1A-C2A	-5.51	121.80	126.17
31	V7	202	PEB	CHB-C4B-NB	-5.51	121.19	128.83
31	c8	203	PEB	CHB-C4B-NB	-5.51	121.19	128.83
31	YF	203	PEB	CHB-C4B-NB	-5.50	121.19	128.83
31	c6	202	PEB	CHC-C4C-C3C	-5.50	120.95	130.34
31	pF	202	PEB	OA-C1A-C2A	-5.50	121.80	126.17
31	C9	201	PEB	CMB-C2B-C1B	5.50	133.54	125.06
31	V9	201	PEB	CMB-C2B-C1B	5.50	133.53	125.06
32	N5	201	PUB	OD-C4D-C3D	-5.50	122.07	128.04
33	T3	1001	CYC	OB-C4B-C3B	-5.50	122.07	128.04
31	S7	201	PEB	CMC-C3C-C2C	-5.50	114.57	124.94
31	WH	201	PEB	CHB-C4B-NB	-5.50	121.20	128.83
31	O9	202	PEB	CHC-C4C-C3C	-5.50	120.96	130.34
31	E4	201	PEB	CHC-C1D-ND	-5.50	107.56	113.95
31	w8	303	PEB	CHA-C1B-NB	-5.50	113.43	124.93
31	J9	202	PEB	CHC-C4C-C3C	-5.50	120.96	130.34
31	QE	201	PEB	C1C-CHB-C4B	5.50	135.38	128.81
31	NE	201	PEB	OA-C1A-C2A	-5.50	121.80	126.17
33	ED	1001	CYC	C4D-CHA-C1A	5.50	135.37	128.81
31	I9	201	PEB	CMB-C2B-C1B	5.50	133.53	125.06
31	B8	201	PEB	CHC-C4C-C3C	-5.49	120.97	130.34
31	ID	201	PEB	CHC-C4C-C3C	-5.49	120.97	130.34
31	BK	202	PEB	CHA-C4A-NA	5.49	131.74	125.20
31	cB	202	PEB	CHC-C4C-C3C	-5.49	120.97	130.34
32	Y1	304	PUB	OD-C4D-C3D	-5.49	122.08	128.04
31	QD	201	PEB	C1C-CHB-C4B	5.49	135.37	128.81
33	BD	1001	CYC	C4D-CHA-C1A	5.49	135.37	128.81
31	P9	201	PEB	CMB-C2B-C1B	5.49	133.51	125.06
31	WH	201	PEB	CHA-C1B-NB	-5.49	113.45	124.93
33	C6	1001	CYC	C4D-CHA-C1A	5.49	135.36	128.81
31	B1	202	PEB	CHA-C4A-NA	5.49	131.73	125.20
33	m3	1001	CYC	CHB-C4A-NA	-5.49	113.46	124.93
31	IH	202	PEB	CHB-C4B-NB	-5.48	121.22	128.83
31	I8	201	PEB	CHC-C1D-ND	-5.48	107.58	113.95
31	C4	202	PEB	CHB-C4B-NB	-5.48	121.22	128.83
33	J3	1001	CYC	OB-C4B-C3B	-5.48	122.09	128.04
31	NF	201	PEB	C2A-C1A-NA	5.48	113.00	108.27
33	i3	1001	CYC	CHB-C4A-NA	-5.48	113.47	124.93
33	C6	1001	CYC	OC-C1C-C2C	-5.48	121.82	126.17
31	FI	203	PEB	CHB-C4B-NB	-5.48	121.23	128.83
31	O4	203	PEB	CHC-C4C-C3C	-5.48	120.99	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	H5	201	PEB	C1C-CHB-C4B	5.48	135.35	128.81
33	EE	1001	CYC	C4D-CHA-C1A	5.48	135.35	128.81
32	w8	304	PUB	C1D-CHC-C4C	-5.48	101.45	113.37
33	K3	1001	CYC	OB-C4B-C3B	-5.48	122.10	128.04
31	IJ	201	PEB	C1C-CHB-C4B	5.48	135.35	128.81
31	T9	201	PEB	CMB-C2B-C1B	5.48	133.50	125.06
33	x3	1001	CYC	OB-C4B-C3B	-5.48	122.10	128.04
31	CH	202	PEB	CHC-C4C-C3C	-5.47	121.00	130.34
31	L6	1002	PEB	OA-C1A-C2A	-5.47	121.82	126.17
33	K3	1001	CYC	CHB-C4A-NA	-5.47	113.48	124.93
31	N8	201	PEB	C2A-C1A-NA	5.47	112.99	108.27
31	D8	202	PEB	C1C-CHB-C4B	5.47	135.35	128.81
31	jC	203	PEB	C1C-CHB-C4B	5.47	135.34	128.81
33	NB	1001	CYC	C4D-CHA-C1A	5.47	135.34	128.81
33	CB	1001	CYC	OC-C1C-C2C	-5.47	121.82	126.17
33	G3	1001	CYC	OB-C4B-C3B	-5.47	122.11	128.04
33	R3	1001	CYC	CHB-C4A-NA	-5.47	113.49	124.93
31	EK	201	PEB	CHC-C4C-C3C	-5.47	121.01	130.34
31	I5	201	PEB	C1C-CHB-C4B	5.47	135.34	128.81
33	E3	1001	CYC	CHB-C4A-NA	-5.47	113.50	124.93
33	l3	1001	CYC	CHB-C4A-NA	-5.47	113.50	124.93
31	U4	202	PEB	CMB-C2B-C1B	5.47	133.48	125.06
33	A3	1001	CYC	CHB-C4A-NA	-5.47	113.50	124.93
33	CB	1001	CYC	C4D-CHA-C1A	5.46	135.34	128.81
31	i4	202	PEB	CHB-C4B-NB	-5.46	121.25	128.83
31	Q6	201	PEB	CMB-C2B-C1B	5.46	133.48	125.06
33	e3	1001	CYC	CHB-C4A-NA	-5.46	113.51	124.93
31	X1	202	PEB	C1C-CHB-C4B	5.46	135.33	128.81
31	dJ	401	PEB	CHB-C4B-NB	-5.46	121.25	128.83
33	T3	1001	CYC	CHB-C4A-NA	-5.46	113.51	124.93
31	QB	201	PEB	CMB-C2B-C1B	5.46	133.47	125.06
33	J3	1001	CYC	CHB-C4A-NA	-5.46	113.52	124.93
31	lD	201	PEB	C1C-CHB-C4B	5.46	135.33	128.81
33	v3	1001	CYC	CHB-C4A-NA	-5.46	113.52	124.93
33	e3	1001	CYC	OB-C4B-C3B	-5.46	122.12	128.04
33	63	901	CYC	CHB-C4A-C3A	5.46	138.93	124.90
33	C3	1001	CYC	OB-C4B-C3B	-5.46	122.12	128.04
33	P3	1001	CYC	CHB-C4A-NA	-5.46	113.52	124.93
33	c3	1001	CYC	CHB-C4A-NA	-5.46	113.52	124.93
33	g3	1001	CYC	CHB-C4A-NA	-5.46	113.52	124.93
31	qF	202	PEB	CHB-C4B-C3B	5.45	137.92	125.32
31	Y1	301	PEB	CHA-C1B-NB	-5.45	113.52	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	G3	1001	CYC	CHB-C4A-NA	-5.45	113.52	124.93
33	r3	1001	CYC	OB-C4B-C3B	-5.45	122.12	128.04
31	l4	202	PEB	CHB-C4B-NB	-5.45	121.26	128.83
33	t3	1001	CYC	CHB-C4A-NA	-5.45	113.53	124.93
31	bF	202	PEB	OA-C1A-C2A	-5.45	121.84	126.17
33	C3	1001	CYC	CHB-C4A-NA	-5.45	113.53	124.93
31	LF	202	PEB	CBC-CAC-C2C	5.45	121.92	112.62
31	Y6	202	PEB	C1C-CHB-C4B	5.45	135.32	128.81
31	eC	203	PEB	OA-C1A-C2A	-5.45	121.84	126.17
31	TJ	201	PEB	C1C-CHB-C4B	5.45	135.32	128.81
31	S4	202	PEB	CHC-C4C-C3C	-5.45	121.05	130.34
33	p3	1001	CYC	CHB-C4A-NA	-5.45	113.54	124.93
33	r3	1001	CYC	CHB-C4A-NA	-5.45	113.54	124.93
32	ZI	302	PUB	CAD-C3D-C4D	5.45	129.98	121.38
31	YK	301	PEB	CHA-C1B-NB	-5.45	113.54	124.93
31	HJ	201	PEB	C1C-CHB-C4B	5.45	135.31	128.81
31	F4	202	PEB	CHB-C4B-NB	-5.45	121.27	128.83
31	WE	203	PEB	CHC-C4C-C3C	-5.44	121.05	130.34
31	TG	201	PEB	OA-C1A-C2A	-5.44	121.84	126.17
31	U9	201	PEB	CHB-C4B-NB	-5.44	121.28	128.83
31	k4	201	PEB	C1C-CHB-C4B	-5.44	122.31	128.81
32	MI	303	PUB	CAD-C3D-C4D	5.44	129.97	121.38
31	qF	201	PEB	CHC-C1D-ND	-5.44	107.63	113.95
33	N3	1001	CYC	CHB-C4A-NA	-5.44	113.55	124.93
31	GG	201	PEB	OA-C1A-C2A	-5.44	121.85	126.17
31	OD	203	PEB	CHB-C4B-NB	-5.44	121.28	128.83
31	E4	202	PEB	CHB-C4B-NB	-5.44	121.28	128.83
31	d5	401	PEB	CHB-C4B-NB	-5.44	121.28	128.83
31	j2	203	PEB	C1C-CHB-C4B	5.44	135.31	128.81
31	q8	202	PEB	CHB-C4B-C3B	5.44	137.89	125.32
33	v3	1001	CYC	OB-C4B-C3B	-5.44	122.14	128.04
31	IF	201	PEB	CHB-C4B-C3B	-5.44	112.76	125.32
33	T3	1001	CYC	CMB-C2B-C1B	5.44	130.96	124.17
31	L8	202	PEB	CBC-CAC-C2C	5.44	121.90	112.62
33	HC	1001	CYC	OC-C1C-C2C	-5.44	121.85	126.17
33	p3	1001	CYC	OB-C4B-C3B	-5.44	122.14	128.04
31	dC	201	PEB	CHC-C4C-C3C	-5.43	121.07	130.34
31	WA	401	PEB	C1C-CHB-C4B	-5.43	122.32	128.81
31	YB	202	PEB	C1C-CHB-C4B	5.43	135.30	128.81
31	WD	203	PEB	CHC-C4C-C3C	-5.43	121.08	130.34
31	G1	201	PEB	CHC-C4C-C3C	-5.43	121.08	130.34
33	g3	1001	CYC	OB-C4B-C3B	-5.43	122.15	128.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	i3	1001	CYC	OB-C4B-C3B	-5.43	122.15	128.04
31	I8	201	PEB	CHB-C4B-C3B	-5.43	112.78	125.32
31	eE	202	PEB	CHC-C4C-C3C	-5.43	121.08	130.34
31	LB	1002	PEB	OA-C1A-C2A	-5.43	121.86	126.17
31	YK	303	PEB	OA-C1A-C2A	-5.43	121.86	126.17
31	eD	202	PEB	CHC-C4C-C3C	-5.43	121.08	130.34
31	DF	202	PEB	C1C-CHB-C4B	5.43	135.29	128.81
31	FH	201	PEB	C3D-C4D-ND	5.43	117.91	107.26
32	AE	302	PUB	OD-C4D-C3D	-5.42	122.15	128.04
33	t3	1001	CYC	OB-C4B-C3B	-5.42	122.15	128.04
33	E2	1001	CYC	CHB-C4A-NA	-5.42	113.58	124.93
31	YH	203	PEB	CHB-C4B-NB	-5.42	121.30	128.83
31	A2	301	PEB	CHB-C4B-NB	-5.42	121.30	128.83
31	cH	201	PEB	C1C-CHB-C4B	-5.42	122.33	128.81
31	gF	203	PEB	CHB-C4B-NB	-5.42	121.31	128.83
33	m3	1001	CYC	OB-C4B-C3B	-5.42	122.16	128.04
31	E1	201	PEB	CHC-C4C-C3C	-5.42	121.09	130.34
33	l3	1001	CYC	OB-C4B-C3B	-5.42	122.16	128.04
33	EC	1001	CYC	CHB-C4A-NA	-5.42	113.59	124.93
31	YC	201	PEB	C1C-CHB-C4B	5.42	135.28	128.81
31	VB	202	PEB	CHC-C4C-C3C	-5.42	121.09	130.34
33	P3	1001	CYC	OB-C4B-C3B	-5.42	122.16	128.04
31	XK	202	PEB	C1C-CHB-C4B	5.42	135.28	128.81
31	d2	201	PEB	CHC-C4C-C3C	-5.42	121.10	130.34
31	VE	202	PEB	CHB-C4B-NB	-5.42	121.31	128.83
31	PB	201	PEB	OA-C1A-C2A	-5.42	121.87	126.17
33	E3	1001	CYC	OB-C4B-C3B	-5.42	122.16	128.04
33	G3	1001	CYC	CMB-C2B-C1B	5.41	130.93	124.17
31	OE	203	PEB	CHB-C4B-NB	-5.41	121.32	128.83
31	FG	202	PEB	OA-C1A-C2A	-5.41	121.87	126.17
33	N3	1001	CYC	CMB-C2B-C1B	5.41	130.92	124.17
33	R3	1001	CYC	CMB-C2B-C1B	5.41	130.92	124.17
31	VG	203	PEB	OA-C1A-C2A	-5.41	121.87	126.17
31	I5	202	PEB	CMB-C2B-C1B	5.41	133.39	125.06
33	t3	1001	CYC	CMB-C2B-C1B	5.41	130.92	124.17
33	A3	1001	CYC	OB-C4B-C3B	-5.41	122.17	128.04
33	c3	1001	CYC	OB-C4B-C3B	-5.41	122.17	128.04
31	R6	201	PEB	OA-C1A-C2A	-5.41	121.87	126.17
31	ZB	201	PEB	C3B-C4B-NB	5.41	117.91	110.05
31	K4	202	PEB	CHB-C4B-NB	-5.41	121.33	128.83
33	ME	1001	CYC	OC-C1C-C2C	-5.41	121.88	126.17
31	nF	202	PEB	C1C-CHB-C4B	5.41	135.27	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AC	301	PEB	CHB-C4B-NB	-5.40	121.33	128.83
31	RE	202	PEB	CHB-C4B-NB	-5.40	121.33	128.83
31	eB	202	PEB	C1C-CHB-C4B	5.40	135.26	128.81
33	K3	1001	CYC	CMB-C2B-C1B	5.40	130.91	124.17
33	E3	1001	CYC	CMB-C2B-C1B	5.40	130.91	124.17
31	b2	203	PEB	OA-C1A-C2A	-5.40	121.88	126.17
33	R3	1001	CYC	OB-C4B-C3B	-5.40	122.18	128.04
33	J3	1001	CYC	CMB-C2B-C1B	5.40	130.91	124.17
31	W4	201	PEB	CMB-C2B-C1B	5.40	133.38	125.06
31	WI	203	PEB	CHB-C4B-NB	-5.40	121.34	128.83
31	Z2	202	PEB	CHB-C4B-NB	-5.40	121.34	128.83
33	N3	1001	CYC	OB-C4B-C3B	-5.40	122.18	128.04
31	c8	202	PEB	CHB-C4B-NB	-5.40	121.34	128.83
31	g8	203	PEB	CHB-C4B-NB	-5.40	121.34	128.83
33	P3	1001	CYC	CMB-C2B-C1B	5.40	130.91	124.17
31	V6	202	PEB	CHC-C4C-C3C	-5.40	121.14	130.34
31	VD	202	PEB	CHB-C4B-NB	-5.39	121.34	128.83
31	cF	203	PEB	C1C-CHB-C4B	5.39	135.25	128.81
31	eF	201	PEB	CHC-C4C-C3C	-5.39	121.14	130.34
33	e3	1001	CYC	CMB-C2B-C1B	5.39	130.90	124.17
31	RD	202	PEB	CHB-C4B-NB	-5.39	121.35	128.83
33	A3	1001	CYC	CMB-C2B-C1B	5.39	130.89	124.17
31	GK	201	PEB	CHC-C4C-C3C	-5.39	121.15	130.34
31	Y6	201	PEB	OA-C1A-C2A	-5.39	121.89	126.17
31	D5	202	PEB	CHC-C4C-C3C	-5.39	121.15	130.34
31	G4	201	PEB	CHB-C4B-NB	-5.39	121.36	128.83
31	e6	202	PEB	C1C-CHB-C4B	5.39	135.24	128.81
31	n8	202	PEB	C1C-CHB-C4B	5.39	135.24	128.81
33	MB	1001	CYC	CAB-C3B-C4B	5.38	129.88	121.38
31	DJ	202	PEB	CHC-C4C-C3C	-5.38	121.16	130.34
31	WI	201	PEB	CHC-C1D-ND	-5.38	107.70	113.95
33	v3	1001	CYC	CMB-C2B-C1B	5.38	130.89	124.17
31	aB	201	PEB	CHC-C1D-ND	-5.38	107.70	113.95
33	l3	1001	CYC	CMB-C2B-C1B	5.38	130.89	124.17
33	E2	1001	CYC	CMA-C3A-C4A	5.38	133.35	125.06
31	cA	402	PEB	CHC-C1D-ND	-5.38	107.70	113.95
33	EC	1001	CYC	CMA-C3A-C4A	5.38	133.35	125.06
33	M6	1001	CYC	CAB-C3B-C4B	5.38	129.87	121.38
31	VC	202	PEB	OA-C1A-C2A	-5.38	121.90	126.17
31	WE	201	PEB	CHA-C1B-NB	-5.38	113.68	124.93
31	RH	201	PEB	C1C-CHB-C4B	-5.38	122.39	128.81
33	H2	1001	CYC	C4D-CHA-C1A	5.38	135.23	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	H2	1001	CYC	OC-C1C-C2C	-5.38	121.90	126.17
33	i3	1001	CYC	CMB-C2B-C1B	5.38	130.88	124.17
33	HC	1001	CYC	C4D-CHA-C1A	5.38	135.23	128.81
31	V5	203	PEB	CHC-C4C-C3C	-5.37	121.17	130.34
33	C3	1001	CYC	CMB-C2B-C1B	5.37	130.88	124.17
31	WI	202	PEB	CHB-C4B-NB	-5.37	121.37	128.83
31	k6	202	PEB	CHB-C4B-NB	-5.37	121.37	128.83
31	jH	203	PEB	CHC-C1D-ND	-5.37	107.71	113.95
33	EB	1001	CYC	OC-C1C-C2C	-5.37	121.90	126.17
33	m3	1001	CYC	CMB-C2B-C1B	5.37	130.87	124.17
33	g3	1001	CYC	CMB-C2B-C1B	5.37	130.87	124.17
31	DC	1002	PEB	CHB-C4B-NB	-5.37	121.38	128.83
31	XH	201	PEB	CHB-C4B-NB	-5.37	121.38	128.83
31	G8	201	PEB	C1C-CHB-C4B	5.37	135.22	128.81
31	VJ	203	PEB	CHC-C4C-C3C	-5.37	121.19	130.34
31	RB	201	PEB	OA-C1A-C2A	-5.37	121.91	126.17
33	c3	1001	CYC	CMB-C2B-C1B	5.37	130.87	124.17
31	ZC	202	PEB	CHB-C4B-NB	-5.36	121.39	128.83
33	p3	1001	CYC	CMB-C2B-C1B	5.36	130.87	124.17
31	OF	201	PEB	CHB-C4B-NB	-5.36	121.39	128.83
31	q8	201	PEB	CHC-C1D-ND	-5.36	107.72	113.95
31	IJ	202	PEB	CMB-C2B-C1B	5.36	133.32	125.06
31	XA	201	PEB	CHB-C4B-NB	-5.36	121.39	128.83
32	AD	302	PUB	OD-C4D-C3D	-5.36	122.22	128.04
33	e3	1001	CYC	C4D-CHA-C1A	5.36	135.21	128.81
31	O8	201	PEB	CHB-C4B-NB	-5.36	121.40	128.83
31	YB	201	PEB	OA-C1A-C2A	-5.36	121.91	126.17
31	Q8	203	PEB	OA-C1A-C2A	-5.36	121.91	126.17
31	kB	202	PEB	CHB-C4B-NB	-5.36	121.40	128.83
31	B9	202	PEB	CHC-C4C-C3C	-5.36	121.20	130.34
31	VH	202	PEB	CHC-C1D-ND	-5.35	107.73	113.95
33	M6	1001	CYC	C4D-CHA-C1A	5.35	135.21	128.81
31	L2	1002	PEB	OA-C1A-C2A	-5.35	121.92	126.17
33	E2	1001	CYC	OC-C1C-C2C	-5.35	121.92	126.17
31	S7	203	PEB	CHC-C1D-ND	-5.35	107.73	113.95
31	GF	201	PEB	C1C-CHB-C4B	5.35	135.20	128.81
31	L4	201	PEB	CHB-C4B-NB	-5.35	121.41	128.83
31	iF	203	PEB	CHB-C4B-NB	-5.35	121.41	128.83
31	e8	201	PEB	CHC-C4C-C3C	-5.35	121.22	130.34
33	R3	1001	CYC	C4D-CHA-C1A	5.35	135.19	128.81
33	l3	1001	CYC	C4D-CHA-C1A	5.35	135.19	128.81
31	WD	202	PEB	CHA-C1B-NB	-5.34	113.75	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	c8	203	PEB	C1C-CHB-C4B	5.34	135.19	128.81
31	U7	203	PEB	CHB-C4B-NB	-5.34	121.42	128.83
31	ZE	203	PEB	CMB-C2B-C1B	5.34	133.29	125.06
33	I6	1001	CYC	OC-C1C-C2C	-5.34	121.92	126.17
33	r3	1001	CYC	CMB-C2B-C1B	5.34	130.84	124.17
31	Y2	201	PEB	C1C-CHB-C4B	5.34	135.19	128.81
33	E3	1001	CYC	C4D-CHA-C1A	5.34	135.19	128.81
33	p3	1001	CYC	C4D-CHA-C1A	5.34	135.19	128.81
31	Z6	201	PEB	C3B-C4B-NB	5.34	117.82	110.05
31	UB	201	PEB	C3B-C4B-NB	5.34	117.81	110.05
31	U6	201	PEB	C3B-C4B-NB	5.34	117.81	110.05
31	n8	201	PEB	C1C-CHB-C4B	5.34	135.19	128.81
31	rF	202	PEB	C1C-CHB-C4B	5.34	135.19	128.81
31	K4	203	PEB	CHC-C1D-ND	-5.34	107.75	113.95
33	K3	1001	CYC	C4D-CHA-C1A	5.34	135.19	128.81
31	hC	201	PEB	CHB-C4B-NB	-5.34	121.42	128.83
31	OA	201	PEB	CHC-C4C-C3C	-5.34	121.23	130.34
32	CI	203	PUB	CBB-CAB-C3B	5.34	121.73	112.62
33	G3	1001	CYC	C4D-CHA-C1A	5.33	135.18	128.81
31	ZD	201	PEB	CMB-C2B-C1B	5.33	133.28	125.06
33	m3	1001	CYC	C4D-CHA-C1A	5.33	135.18	128.81
31	q8	202	PEB	CAB-C3B-C4B	5.33	134.44	125.01
33	c3	1001	CYC	C4D-CHA-C1A	5.33	135.18	128.81
33	D2	1001	CYC	CAB-C3B-C4B	5.33	129.80	121.38
33	I2	201	CYC	OB-C4B-C3B	-5.33	122.25	128.04
31	b8	202	PEB	OA-C1A-C2A	-5.33	121.94	126.17
31	S6	201	PEB	CHB-C4B-C3B	-5.33	113.01	125.32
31	KA	304	PEB	CHB-C4B-NB	-5.33	121.44	128.83
31	i8	203	PEB	CHB-C4B-NB	-5.33	121.44	128.83
31	ZH	201	PEB	OA-C1A-C2A	-5.33	121.94	126.17
31	ZD	203	PEB	CMB-C2B-C1B	5.33	133.27	125.06
33	KE	202	CYC	CAB-C3B-C4B	5.33	129.79	121.38
33	C3	1001	CYC	C4D-CHA-C1A	5.33	135.17	128.81
31	NJ	204	PEB	CHC-C4C-C3C	-5.33	121.25	130.34
31	KH	203	PEB	CHB-C4B-NB	-5.33	121.44	128.83
31	OE	201	PEB	CMB-C2B-C1B	5.33	133.27	125.06
31	ZI	304	PEB	CHA-C1B-NB	-5.33	113.79	124.93
33	DC	1001	CYC	CAB-C3B-C4B	5.33	129.79	121.38
33	P3	1001	CYC	C4D-CHA-C1A	5.32	135.17	128.81
33	i3	1001	CYC	C4D-CHA-C1A	5.32	135.17	128.81
33	v3	1001	CYC	C4D-CHA-C1A	5.32	135.17	128.81
31	IH	201	PEB	CHC-C1D-ND	-5.32	107.77	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	V4	201	PEB	CHB-C4B-NB	-5.32	121.44	128.83
31	r8	202	PEB	C1C-CHB-C4B	5.32	135.17	128.81
32	ZI	305	PUB	OD-C4D-ND	-5.32	118.04	125.93
31	SB	202	PEB	CHB-C4B-C3B	-5.32	113.02	125.32
33	E6	1001	CYC	OC-C1C-C2C	-5.32	121.94	126.17
33	g3	1001	CYC	C4D-CHA-C1A	5.32	135.17	128.81
31	uF	201	PEB	C1C-CHB-C4B	5.32	135.17	128.81
33	J3	1001	CYC	C4D-CHA-C1A	5.32	135.17	128.81
31	M7	201	PEB	CMB-C2B-C1B	5.32	133.26	125.06
31	qF	202	PEB	CAB-C3B-C4B	5.32	134.42	125.01
32	KK	203	PUB	OD-C4D-C3D	-5.32	122.27	128.04
31	O4	201	PEB	CMB-C2B-C1B	5.32	133.26	125.06
32	A2	303	PUB	CHB-C1C-NC	-5.32	121.45	128.83
31	t8	203	PEB	C1C-CHB-C4B	5.32	135.16	128.81
31	RK	202	PEB	C2A-C1A-NA	5.32	112.86	108.27
33	T3	1001	CYC	C4D-CHA-C1A	5.32	135.16	128.81
31	MI	305	PEB	CHA-C1B-NB	-5.32	113.81	124.93
31	nF	201	PEB	C1C-CHB-C4B	5.32	135.16	128.81
32	AC	303	PUB	CHB-C1C-NC	-5.32	121.45	128.83
33	LD	1001	CYC	CBD-CAD-C3D	5.31	121.69	112.62
33	A3	1001	CYC	C4D-CHA-C1A	5.31	135.16	128.81
33	r3	1001	CYC	C4D-CHA-C1A	5.31	135.16	128.81
31	TB	202	PEB	CHC-C4C-C3C	-5.31	121.28	130.34
31	k8	201	PEB	CMB-C2B-C1B	5.31	133.24	125.06
31	X7	202	PEB	CHB-C4B-NB	-5.31	121.46	128.83
32	CI	203	PUB	OD-C4D-ND	-5.31	118.06	125.93
32	AH	304	PUB	CHC-C1D-ND	-5.31	107.01	113.72
31	CK	201	PEB	CHB-C4B-NB	-5.31	121.47	128.83
32	ZI	305	PUB	CBB-CAB-C3B	5.30	121.67	112.62
31	UC	203	PEB	C1C-CHB-C4B	-5.30	122.47	128.81
31	P6	201	PEB	OA-C1A-C2A	-5.30	121.96	126.17
31	Q6	201	PEB	C3B-C4B-NB	5.30	117.76	110.05
31	BA	201	PEB	CHB-C4B-NB	-5.30	121.47	128.83
31	c4	202	PEB	C1C-CHB-C4B	-5.30	122.48	128.81
33	MD	1001	CYC	OC-C1C-C2C	-5.30	121.96	126.17
33	MB	1001	CYC	C4D-CHA-C1A	5.30	135.14	128.81
33	IB	1001	CYC	OC-C1C-C2C	-5.30	121.96	126.17
31	SA	202	PEB	CHB-C4B-NB	-5.30	121.48	128.83
31	h2	202	PEB	CHB-C4B-NB	-5.30	121.48	128.83
31	YJ	201	PEB	CHB-C4B-NB	-5.30	121.48	128.83
31	Y5	201	PEB	CHB-C4B-NB	-5.30	121.48	128.83
31	T5	201	PEB	C1C-CHB-C4B	5.30	135.14	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	kF	201	PEB	CMB-C2B-C1B	5.30	133.22	125.06
33	63	901	CYC	OB-C4B-C3B	-5.29	122.30	128.04
32	AJ	303	PUB	CHA-C1B-C2B	-5.29	121.31	130.34
33	FD	201	CYC	OB-C4B-C3B	-5.29	122.30	128.04
31	l4	203	PEB	C1C-CHB-C4B	-5.29	122.49	128.81
31	D2	1002	PEB	CHB-C4B-NB	-5.29	121.49	128.83
31	IF	201	PEB	C3B-C4B-NB	5.29	117.74	110.05
33	N3	1001	CYC	C4D-CHA-C1A	5.29	135.13	128.81
31	ZH	201	PEB	CHB-C4B-NB	-5.29	121.49	128.83
31	LC	1002	PEB	OA-C1A-C2A	-5.29	121.97	126.17
31	OH	201	PEB	CHB-C4B-NB	-5.29	121.49	128.83
31	LF	201	PEB	CHB-C4B-NB	-5.29	121.49	128.83
31	U2	203	PEB	C1C-CHB-C4B	-5.29	122.49	128.81
31	Z2	201	PEB	CHC-C1D-ND	-5.29	107.81	113.95
32	A5	303	PUB	CHA-C1B-C2B	-5.29	121.32	130.34
33	x3	1001	CYC	CHD-C4C-NC	5.29	131.49	125.20
33	t3	1001	CYC	C4D-CHA-C1A	5.29	135.12	128.81
31	EK	201	PEB	CHA-C1B-NB	-5.28	113.88	124.93
31	I8	201	PEB	C3B-C4B-NB	5.28	117.73	110.05
31	L9	202	PEB	CHB-C4B-NB	-5.28	121.50	128.83
31	T1	201	PEB	CHB-C4B-NB	-5.28	121.50	128.83
31	ZC	201	PEB	CHC-C1D-ND	-5.28	107.81	113.95
33	DE	1001	CYC	C2B-C1B-NB	5.28	114.71	106.99
31	C7	202	PEB	CMB-C2B-C1B	5.27	133.19	125.06
33	LE	1001	CYC	CBD-CAD-C3D	5.27	121.62	112.62
31	QB	201	PEB	C3B-C4B-NB	5.27	117.72	110.05
31	h2	202	PEB	CHC-C4C-C3C	-5.27	121.34	130.34
33	V3	1001	CYC	CHD-C4C-NC	5.27	131.47	125.20
31	TK	201	PEB	CHB-C4B-NB	-5.27	121.52	128.83
31	O6	201	PEB	CMB-C2B-C1B	5.27	133.18	125.06
31	C1	201	PEB	CHB-C4B-NB	-5.27	121.52	128.83
31	U2	201	PEB	CHC-C1D-ND	-5.27	107.83	113.95
31	d4	201	PEB	CHC-C1D-ND	-5.27	107.83	113.95
31	E1	201	PEB	CHA-C1B-NB	-5.26	113.92	124.93
31	LG	201	PEB	CHC-C1D-ND	-5.26	107.83	113.95
31	FG	201	PEB	CHB-C4B-NB	-5.26	121.53	128.83
31	OD	201	PEB	CMB-C2B-C1B	5.26	133.17	125.06
32	K1	203	PUB	OD-C4D-C3D	-5.26	122.33	128.04
31	lB	201	PEB	C1C-CHB-C4B	5.26	135.09	128.81
31	iF	201	PEB	C1C-CHB-C4B	5.26	135.09	128.81
31	S9	202	PEB	CHB-C4B-NB	-5.26	121.53	128.83
31	VF	201	PEB	CHA-C4A-NA	5.26	131.46	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	x8	304	PEB	OA-C1A-C2A	-5.25	122.00	126.17
31	M8	203	PEB	C1C-CHB-C4B	5.25	135.09	128.81
31	ZC	203	PEB	C1C-CHB-C4B	-5.25	122.53	128.81
31	V8	202	PEB	CHB-C4B-C3B	-5.25	113.18	125.32
31	AG	203	PEB	OA-C1A-C2A	-5.25	122.00	126.17
31	D9	202	PEB	CHC-C4C-C3C	-5.25	121.38	130.34
31	d8	201	PEB	CHA-C4A-NA	5.25	131.45	125.20
31	hH	203	PEB	CHC-C4C-C3C	-5.25	121.38	130.34
31	JG	201	PEB	CHB-C4B-NB	-5.25	121.55	128.83
31	a6	201	PEB	CHC-C1D-ND	-5.25	107.85	113.95
31	cD	202	PEB	CHB-C4B-NB	-5.25	121.55	128.83
31	R1	202	PEB	C2A-C1A-NA	5.25	112.80	108.27
31	SG	201	PEB	CHB-C4B-NB	-5.25	121.55	128.83
31	H1	201	PEB	OA-C1A-C2A	-5.25	122.00	126.17
31	E7	203	PEB	CHB-C4B-NB	-5.25	121.55	128.83
31	L8	201	PEB	CHB-C4B-NB	-5.25	121.55	128.83
31	UC	201	PEB	CHC-C1D-ND	-5.24	107.86	113.95
31	s8	202	PEB	C1C-CHB-C4B	5.24	135.07	128.81
31	H9	201	PEB	CAA-C3A-C2A	-5.24	101.16	114.26
33	C2	1001	CYC	OB-C4B-C3B	-5.24	122.35	128.04
31	OB	201	PEB	CMB-C2B-C1B	5.24	133.13	125.06
31	E1	201	PEB	CHB-C4B-NB	-5.24	121.56	128.83
31	A7	203	PEB	CHC-C1D-ND	-5.24	107.87	113.95
31	WG	201	PEB	CHB-C4B-NB	-5.23	121.57	128.83
31	TJ	201	PEB	CHB-C4B-NB	-5.23	121.57	128.83
31	G8	202	PEB	CMB-C2B-C1B	5.23	133.12	125.06
31	a6	201	PEB	OA-C1A-C2A	-5.23	122.01	126.17
31	I1	201	PEB	CHC-C4C-C3C	-5.23	121.42	130.34
31	QF	203	PEB	OA-C1A-C2A	-5.23	122.01	126.17
31	O8	201	PEB	C1C-CHB-C4B	5.23	135.06	128.81
31	ZE	201	PEB	CMB-C2B-C1B	5.23	133.12	125.06
31	A6	304	PEB	CHB-C4B-NB	-5.23	121.57	128.83
31	T6	201	PEB	OA-C1A-C2A	-5.23	122.02	126.17
33	LC	1003	CYC	OB-C4B-C3B	-5.23	122.37	128.04
31	V8	201	PEB	CHA-C4A-NA	5.23	131.42	125.20
31	N5	204	PEB	CHC-C4C-C3C	-5.23	121.42	130.34
31	VF	202	PEB	CHB-C4B-C3B	-5.23	113.24	125.32
31	OH	202	PEB	CHC-C4C-C3C	-5.22	121.43	130.34
31	hC	201	PEB	CHC-C4C-C3C	-5.22	121.43	130.34
31	b7	501	PEB	CHC-C4C-C3C	-5.22	121.43	130.34
31	i8	201	PEB	C1C-CHB-C4B	5.22	135.05	128.81
31	eB	203	PEB	CHB-C4B-NB	-5.22	121.59	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	T6	202	PEB	CHC-C4C-C3C	-5.22	121.44	130.34
31	PH	201	PEB	C1C-CHB-C4B	-5.22	122.57	128.81
33	FE	1001	CYC	OB-C4B-C3B	-5.22	122.38	128.04
31	MF	203	PEB	C1C-CHB-C4B	5.21	135.04	128.81
31	OB	201	PEB	CHB-C4B-C3B	-5.21	113.28	125.32
31	S7	202	PEB	CMB-C2B-C1B	5.21	133.09	125.06
33	KC	201	CYC	CAB-C3B-C4B	5.21	129.61	121.38
31	IH	202	PEB	CHB-C4B-NB	-5.21	121.60	128.83
33	K2	201	CYC	CAB-C3B-C4B	5.21	129.60	121.38
31	VH	201	PEB	CHB-C4B-NB	-5.21	121.60	128.83
31	FJ	202	PEB	CHB-C4B-NB	-5.21	121.60	128.83
33	EC	1001	CYC	OC-C1C-C2C	-5.21	122.03	126.17
31	C7	201	PEB	CHB-C4B-NB	-5.21	121.61	128.83
31	AA	501	PEB	CHB-C4B-NB	-5.21	121.61	128.83
31	O6	201	PEB	CHB-C4B-C3B	-5.21	113.29	125.32
31	AF	202	PEB	CHB-C4B-NB	-5.20	121.61	128.83
31	KH	201	PEB	CHB-C4B-NB	-5.20	121.61	128.83
31	xF	304	PEB	OA-C1A-C2A	-5.20	122.03	126.17
31	QC	201	PEB	CHB-C4B-NB	-5.20	121.61	128.83
31	YE	202	PEB	OA-C1A-C2A	-5.20	122.04	126.17
33	JC	1001	CYC	C4D-CHA-C1A	5.20	135.02	128.81
31	tF	201	PEB	C2A-C1A-NA	5.20	112.75	108.27
31	RF	201	PEB	OA-C1A-NA	5.20	131.24	124.94
31	RB	203	PEB	CHB-C4B-NB	-5.20	121.62	128.83
31	t8	201	PEB	C2A-C1A-NA	5.20	112.75	108.27
31	c6	203	PEB	CHB-C4B-NB	-5.20	121.62	128.83
31	WG	202	PEB	C1B-C2B-C3B	-5.19	100.55	106.51
31	CH	201	PEB	OA-C1A-C2A	-5.19	122.04	126.17
31	V2	201	PEB	CMB-C2B-C1B	5.19	133.06	125.06
31	Z2	203	PEB	CMB-C2B-C1B	5.19	133.06	125.06
31	GF	202	PEB	CMB-C2B-C1B	5.19	133.06	125.06
31	A8	202	PEB	CHB-C4B-NB	-5.19	121.62	128.83
31	A4	302	PEB	CHB-C4B-NB	-5.19	121.63	128.83
31	Y4	203	PEB	CHB-C4B-NB	-5.19	121.63	128.83
31	OG	201	PEB	CHB-C4B-NB	-5.19	121.63	128.83
31	LF	202	PEB	CMB-C2B-C1B	5.19	133.06	125.06
31	U8	201	PEB	C3B-C4B-NB	5.19	117.60	110.05
31	HK	201	PEB	OA-C1A-C2A	-5.19	122.05	126.17
31	R5	202	PEB	CHB-C4B-NB	-5.19	121.63	128.83
31	S2	201	PEB	CHC-C4C-C3C	-5.19	121.49	130.34
31	A7	203	PEB	CHB-C4B-NB	-5.19	121.63	128.83
31	O9	202	PEB	C1C-CHB-C4B	5.18	135.00	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	CC	1001	CYC	OB-C4B-C3B	-5.18	122.42	128.04
31	YD	202	PEB	OA-C1A-C2A	-5.18	122.05	126.17
31	LA	201	PEB	OA-C1A-C2A	-5.18	122.05	126.17
31	T5	201	PEB	CHB-C4B-NB	-5.18	121.64	128.83
31	aB	201	PEB	OA-C1A-C2A	-5.18	122.05	126.17
33	DD	1001	CYC	C2B-C1B-NB	5.18	114.57	106.99
31	VF	201	PEB	C1C-CHB-C4B	5.18	135.00	128.81
31	IK	201	PEB	CHC-C4C-C3C	-5.18	121.50	130.34
31	P5	201	PEB	CHC-C4C-C3C	-5.18	121.50	130.34
31	J7	202	PEB	CHB-C4B-NB	-5.18	121.64	128.83
31	Q2	201	PEB	CHB-C4B-NB	-5.18	121.65	128.83
31	R8	201	PEB	OA-C1A-NA	5.18	131.21	124.94
31	NG	203	PEB	OA-C1A-C2A	-5.18	122.06	126.17
31	mB	201	PEB	OA-C1A-C2A	-5.18	122.06	126.17
31	V8	201	PEB	C1C-CHB-C4B	5.18	134.99	128.81
31	j2	202	PEB	CHC-C4C-C3C	-5.17	121.51	130.34
32	A4	304	PUB	CHB-C1C-NC	-5.17	121.65	128.83
31	VC	201	PEB	CMB-C2B-C1B	5.17	133.03	125.06
31	K8	201	PEB	CHC-C1D-ND	-5.17	107.94	113.95
31	YD	201	PEB	OA-C1A-C2A	-5.17	122.06	126.17
31	LH	201	PEB	OA-C1A-C2A	-5.17	122.06	126.17
31	SC	201	PEB	CHC-C4C-C3C	-5.17	121.52	130.34
31	iH	202	PEB	CHB-C4B-NB	-5.17	121.66	128.83
31	e6	203	PEB	CHB-C4B-NB	-5.17	121.66	128.83
31	IJ	201	PEB	CHC-C1D-ND	-5.16	107.95	113.95
31	R6	203	PEB	CHB-C4B-NB	-5.16	121.66	128.83
31	L8	202	PEB	CMB-C2B-C1B	5.16	133.02	125.06
31	UG	202	PEB	OA-C1A-C2A	-5.16	122.07	126.17
31	hH	201	PEB	C1C-CHB-C4B	5.16	134.97	128.81
31	IH	203	PEB	CHC-C4C-C3C	-5.16	121.53	130.34
31	PJ	201	PEB	CHC-C4C-C3C	-5.16	121.53	130.34
31	UA	304	PEB	CHA-C1B-NB	-5.16	114.14	124.93
31	ZC	203	PEB	CMB-C2B-C1B	5.16	133.01	125.06
31	OF	201	PEB	C1C-CHB-C4B	5.16	134.97	128.81
32	AD	302	PUB	CHA-C1B-C2B	-5.16	121.54	130.34
31	gF	203	PEB	CHC-C1D-ND	-5.16	107.96	113.95
31	wF	302	PEB	C1C-CHB-C4B	-5.16	122.65	128.81
31	sF	202	PEB	C1C-CHB-C4B	5.16	134.97	128.81
31	H5	202	PEB	CHC-C4C-C3C	-5.15	121.55	130.34
31	WB	201	PEB	C1C-CHB-C4B	5.15	134.97	128.81
31	F5	202	PEB	CHB-C4B-NB	-5.15	121.68	128.83
31	cB	203	PEB	CHB-C4B-NB	-5.15	121.68	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I5	201	PEB	CHC-C1D-ND	-5.15	107.97	113.95
31	TH	202	PEB	C1C-CHB-C4B	-5.15	122.66	128.81
33	L6	1001	CYC	CHA-C1A-NA	-5.15	121.68	128.83
31	KG	201	PEB	OA-C1A-C2A	-5.15	122.08	126.17
31	EK	201	PEB	CHB-C4B-NB	-5.15	121.69	128.83
31	dH	202	PEB	CHB-C4B-NB	-5.15	121.69	128.83
31	g8	203	PEB	CHC-C1D-ND	-5.15	107.97	113.95
31	Z2	203	PEB	C1C-CHB-C4B	-5.15	122.66	128.81
31	UF	201	PEB	C4B-C3B-C2B	-5.15	101.09	106.78
31	JH	202	PEB	CHC-C1D-ND	-5.14	107.97	113.95
33	MD	1001	CYC	OB-C4B-C3B	-5.14	122.46	128.04
31	SF	201	PEB	CHB-C4B-NB	-5.14	121.69	128.83
31	a8	203	PEB	CHA-C1B-NB	-5.14	114.18	124.93
32	B4	302	PUB	CHC-C1D-ND	-5.14	107.22	113.72
31	SD	201	PEB	CHB-C4B-NB	-5.14	121.70	128.83
31	eH	202	PEB	CHB-C4B-NB	-5.14	121.70	128.83
31	JA	201	PEB	CHA-C1B-C2B	5.14	138.11	124.90
31	l6	201	PEB	C1C-CHB-C4B	5.14	134.95	128.81
31	TA	201	PEB	CHA-C1B-C2B	5.14	138.11	124.90
31	U4	202	PEB	CHA-C1B-NB	-5.13	114.19	124.93
31	cE	202	PEB	CHB-C4B-NB	-5.13	121.70	128.83
31	U9	202	PEB	CHC-C4C-C3C	-5.13	121.58	130.34
33	I2	201	CYC	OC-C1C-C2C	-5.13	122.09	126.17
31	RJ	202	PEB	CHB-C4B-NB	-5.13	121.71	128.83
31	jC	202	PEB	CHC-C4C-C3C	-5.13	121.58	130.34
32	AE	302	PUB	CHA-C1B-C2B	-5.13	121.58	130.34
31	QA	204	PEB	C1C-CHB-C4B	5.13	134.94	128.81
31	BG	203	PEB	OA-C1A-C2A	-5.13	122.09	126.17
31	UF	201	PEB	C3B-C4B-NB	5.13	117.51	110.05
31	U4	201	PEB	CHC-C1D-ND	-5.13	107.99	113.95
33	K2	201	CYC	OB-C4B-C3B	-5.13	122.47	128.04
31	eD	203	PEB	CHA-C1B-NB	-5.13	114.21	124.93
31	w8	302	PEB	C1C-CHB-C4B	-5.13	122.68	128.81
31	W4	201	PEB	CHA-C1B-NB	-5.13	114.21	124.93
31	dE	203	PEB	CMB-C2B-C1B	5.13	132.96	125.06
31	PD	201	PEB	CHB-C4B-NB	-5.13	121.72	128.83
33	KB	1001	CYC	C4D-CHA-C1A	5.12	134.93	128.81
31	AA	501	PEB	CHC-C4C-C3C	-5.12	121.60	130.34
31	GK	201	PEB	CHB-C4B-NB	-5.12	121.72	128.83
33	ME	1001	CYC	OB-C4B-C3B	-5.12	122.48	128.04
31	QI	203	PEB	C1C-CHB-C4B	-5.12	122.69	128.81
31	Y7	502	PEB	OA-C1A-C2A	-5.12	122.10	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	hF	202	PEB	C1C-CHB-C4B	5.12	134.92	128.81
33	FE	1001	CYC	C4D-CHA-C1A	5.12	134.92	128.81
31	DF	203	PEB	CHB-C4B-NB	-5.12	121.73	128.83
31	N2	1002	PEB	CHC-C4C-C3C	-5.12	121.61	130.34
31	Q7	203	PEB	CHC-C1D-ND	-5.12	108.01	113.95
31	l2	203	PEB	CHC-C4C-C3C	-5.12	121.61	130.34
31	U8	201	PEB	C4B-C3B-C2B	-5.11	101.12	106.78
31	I4	202	PEB	CHA-C1B-NB	-5.11	114.24	124.93
32	A2	304	PUB	CHA-C4A-NA	-5.11	108.01	113.95
31	aF	203	PEB	CHA-C1B-NB	-5.11	114.24	124.93
31	S4	201	PEB	CHB-C4B-NB	-5.11	121.74	128.83
31	eF	203	PEB	CHC-C1D-ND	-5.11	108.01	113.95
31	h8	202	PEB	C1C-CHB-C4B	5.11	134.91	128.81
31	Q5	201	PEB	OA-C1A-C2A	-5.11	122.11	126.17
33	73	1002	CYC	OB-C4B-C3B	-5.11	122.50	128.04
31	Y7	501	PEB	CHC-C1D-ND	-5.11	108.02	113.95
33	J2	1001	CYC	C4D-CHA-C1A	5.11	134.91	128.81
31	EJ	201	PEB	CHC-C1D-ND	-5.11	108.02	113.95
31	LI	203	PEB	OA-C1A-C2A	-5.10	122.11	126.17
31	S8	201	PEB	CHB-C4B-NB	-5.10	121.75	128.83
31	SE	201	PEB	CHB-C4B-NB	-5.10	121.75	128.83
31	i6	203	PEB	CHB-C4B-NB	-5.10	121.75	128.83
31	lC	202	PEB	CHC-C4C-C3C	-5.10	121.64	130.34
31	TB	201	PEB	OA-C1A-C2A	-5.10	122.12	126.17
31	D9	203	PEB	CHB-C4B-NB	-5.10	121.75	128.83
31	F1	203	PEB	CHB-C4B-NB	-5.10	121.76	128.83
33	GE	201	CYC	CAB-C3B-C4B	5.10	129.43	121.38
31	M4	203	PEB	CHB-C4B-NB	-5.10	121.76	128.83
32	BH	302	PUB	CHB-C1C-NC	-5.09	121.76	128.83
31	RA	202	PEB	C1C-CHB-C4B	5.09	134.90	128.81
31	R5	203	PEB	C1C-CHB-C4B	5.09	134.89	128.81
31	NC	1002	PEB	CHC-C4C-C3C	-5.09	121.65	130.34
31	YE	201	PEB	OA-C1A-C2A	-5.09	122.12	126.17
31	G1	201	PEB	CHB-C4B-NB	-5.09	121.77	128.83
31	CK	201	PEB	CHC-C4C-C3C	-5.09	121.66	130.34
33	GD	201	CYC	CAB-C3B-C4B	5.09	129.42	121.38
31	FK	203	PEB	CHB-C4B-NB	-5.09	121.77	128.83
31	WC	202	PEB	CHC-C1D-ND	-5.09	108.04	113.95
31	BG	203	PEB	CHC-C4C-C3C	-5.09	121.66	130.34
31	dD	203	PEB	CMB-C2B-C1B	5.08	132.89	125.06
33	FD	201	CYC	C4D-CHA-C1A	5.08	134.88	128.81
32	CI	203	PUB	C1D-CHC-C4C	-5.08	102.31	113.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	K4	201	PEB	CHB-C4B-NB	-5.08	121.78	128.83
32	M9	305	PUB	CHA-C4A-NA	-5.08	108.05	113.95
31	eD	203	PEB	OA-C1A-C2A	-5.08	122.13	126.17
31	LB	1002	PEB	CHC-C4C-C3C	-5.08	121.67	130.34
31	j4	201	PEB	CHA-C1B-NB	-5.08	114.31	124.93
31	H9	203	PEB	CHB-C4B-NB	-5.08	121.78	128.83
32	ZI	305	PUB	C1D-CHC-C4C	-5.08	102.32	113.37
31	RG	203	PEB	CHC-C1D-ND	-5.08	108.05	113.95
33	LD	1001	CYC	OC-C1C-C2C	-5.08	122.14	126.17
31	m6	202	PEB	CHB-C4B-NB	-5.08	121.78	128.83
31	hF	201	PEB	CHA-C4A-NA	5.08	131.24	125.20
31	NA	203	PEB	OA-C1A-C2A	-5.08	122.14	126.17
31	VJ	201	PEB	CHC-C4C-C3C	-5.08	121.68	130.34
31	i8	201	PEB	CHA-C1B-NB	-5.08	114.31	124.93
31	NH	201	PEB	CBC-CAC-C2C	-5.08	103.96	112.62
31	OE	201	PEB	CHC-C1D-ND	-5.07	108.05	113.95
33	K6	1001	CYC	CAB-C3B-C4B	5.07	129.39	121.38
31	YI	201	PEB	CHB-C4B-NB	-5.07	121.79	128.83
31	HJ	202	PEB	CHC-C4C-C3C	-5.07	121.69	130.34
33	LC	1003	CYC	OC-C1C-C2C	-5.07	122.14	126.17
31	G7	202	PEB	C1C-CHB-C4B	5.07	134.87	128.81
31	iF	201	PEB	CHA-C1B-NB	-5.07	114.33	124.93
33	LB	1001	CYC	CHA-C1A-NA	-5.07	121.79	128.83
31	I7	203	PEB	CHC-C1D-ND	-5.07	108.06	113.95
31	U9	201	PEB	CHC-C4C-C3C	-5.06	121.70	130.34
31	JI	203	PEB	OA-C1A-C2A	-5.06	122.15	126.17
31	Q9	202	PEB	C3D-C4D-ND	5.06	117.19	107.26
31	IH	202	PEB	CHC-C4C-C3C	-5.06	121.70	130.34
31	SA	202	PEB	OA-C1A-C2A	-5.06	122.15	126.17
33	LE	1001	CYC	OC-C1C-C2C	-5.06	122.15	126.17
32	AC	304	PUB	CHA-C4A-NA	-5.06	108.07	113.95
31	jH	202	PEB	CHC-C4C-C3C	-5.06	121.70	130.34
31	Y4	202	PEB	CMB-C2B-C1B	5.06	132.86	125.06
31	AJ	304	PEB	C1C-CHB-C4B	-5.06	122.77	128.81
31	XF	201	PEB	OA-C1A-NA	5.06	131.07	124.94
31	L6	1002	PEB	CHC-C4C-C3C	-5.06	121.71	130.34
31	SH	203	PEB	CHC-C1D-ND	-5.06	108.08	113.95
31	LJ	202	PEB	CHC-C4C-C3C	-5.06	121.71	130.34
31	M5	202	PEB	CHC-C1D-ND	-5.06	108.08	113.95
31	NA	202	PEB	CHB-C4B-NB	-5.05	121.82	128.83
31	W2	202	PEB	CHC-C1D-ND	-5.05	108.08	113.95
33	NB	1001	CYC	C2C-C1C-NC	5.05	112.63	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MJ	202	PEB	CHC-C1D-ND	-5.05	108.08	113.95
31	HI	202	PEB	CHB-C4B-NB	-5.05	121.82	128.83
31	kE	202	PEB	OA-C1A-C2A	-5.05	122.16	126.17
31	KF	201	PEB	CHC-C1D-ND	-5.05	108.08	113.95
32	Z9	305	PUB	CHA-C4A-NA	-5.05	108.08	113.95
31	PE	201	PEB	CHB-C4B-NB	-5.05	121.82	128.83
31	W6	201	PEB	C1C-CHB-C4B	5.05	134.84	128.81
31	C8	203	PEB	C1C-CHB-C4B	5.05	134.84	128.81
31	NH	201	PEB	OA-C1A-C2A	-5.05	122.16	126.17
31	F1	201	PEB	OA-C1A-C2A	-5.05	122.16	126.17
31	AB	304	PEB	CHB-C4B-NB	-5.05	121.82	128.83
31	Y6	201	PEB	CHC-C1D-ND	-5.05	108.08	113.95
31	F8	202	PEB	CMB-C2B-C1B	5.05	132.84	125.06
32	A2	304	PUB	CBA-CAA-C3A	5.05	120.63	112.98
31	C1	201	PEB	CHC-C4C-C3C	-5.05	121.73	130.34
31	FI	202	PEB	CHB-C4B-NB	-5.05	121.83	128.83
31	u8	201	PEB	CHA-C1B-NB	-5.04	114.38	124.93
31	PJ	202	PEB	CHA-C1B-NB	-5.04	114.39	124.93
31	dF	201	PEB	CHA-C4A-NA	5.04	131.20	125.20
31	R5	203	PEB	CHA-C1B-NB	-5.04	114.39	124.93
33	KB	1001	CYC	CAB-C3B-C4B	5.04	129.34	121.38
31	JI	202	PEB	CHC-C1D-ND	-5.04	108.10	113.95
31	X5	202	PEB	CHB-C4B-NB	-5.04	121.84	128.83
31	RJ	203	PEB	CHA-C1B-NB	-5.04	114.39	124.93
31	XF	202	PEB	CHA-C1B-NB	-5.04	114.40	124.93
31	RJ	203	PEB	C1C-CHB-C4B	5.04	134.82	128.81
31	hD	203	PEB	CHB-C4B-NB	-5.03	121.84	128.83
33	N6	1001	CYC	CAB-C3B-C4B	5.03	129.33	121.38
31	P5	202	PEB	CHA-C1B-NB	-5.03	114.41	124.93
31	iB	203	PEB	CHB-C4B-NB	-5.03	121.85	128.83
31	A5	304	PEB	C1C-CHB-C4B	-5.03	122.80	128.81
31	V6	201	PEB	CHC-C1D-ND	-5.03	108.10	113.95
31	iH	201	PEB	CHC-C1D-ND	-5.03	108.10	113.95
33	EB	1001	CYC	CMA-C3A-C4A	5.03	132.81	125.06
31	ZA	202	PEB	CHB-C4B-NB	-5.03	121.85	128.83
31	VB	201	PEB	CHC-C1D-ND	-5.03	108.11	113.95
31	FF	202	PEB	CMB-C2B-C1B	5.03	132.81	125.06
31	MI	305	PEB	CMB-C2B-C1B	5.03	132.81	125.06
31	OD	201	PEB	CHC-C1D-ND	-5.03	108.11	113.95
31	V5	201	PEB	CHC-C4C-C3C	-5.03	121.76	130.34
31	D8	203	PEB	CHB-C4B-NB	-5.03	121.86	128.83
33	E6	1001	CYC	CMA-C3A-C4A	5.03	132.80	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	BE	1002	CYC	OC-C1C-C2C	-5.02	122.18	126.17
33	N6	1001	CYC	C2C-C1C-NC	5.02	112.60	108.27
31	HG	202	PEB	CHB-C4B-NB	-5.02	121.86	128.83
31	j4	202	PEB	CHB-C4B-NB	-5.02	121.86	128.83
33	NB	1001	CYC	CAB-C3B-C4B	5.02	129.31	121.38
31	FH	201	PEB	CHA-C1B-NB	-5.02	114.44	124.93
31	X8	201	PEB	OA-C1A-NA	5.02	131.02	124.94
31	m6	201	PEB	OA-C1A-C2A	-5.02	122.18	126.17
31	E5	201	PEB	CHC-C1D-ND	-5.02	108.12	113.95
31	IA	202	PEB	OA-C1A-C2A	-5.02	122.19	126.17
33	K6	1001	CYC	C4D-CHA-C1A	5.02	134.80	128.81
31	X8	202	PEB	CHA-C1B-NB	-5.01	114.44	124.93
33	N2	1001	CYC	CAB-C3B-C4B	5.01	129.30	121.38
31	JH	202	PEB	C1C-CHB-C4B	-5.01	122.82	128.81
31	hE	203	PEB	CHB-C4B-NB	-5.01	121.87	128.83
31	e8	203	PEB	CHC-C1D-ND	-5.01	108.12	113.95
31	GA	203	PEB	OA-C1A-C2A	-5.01	122.19	126.17
31	hH	201	PEB	CHB-C4B-NB	-5.01	121.87	128.83
31	L9	202	PEB	CHC-C4C-C3C	-5.01	121.79	130.34
31	W1	202	PEB	CHB-C4B-NB	-5.01	121.88	128.83
31	mB	202	PEB	CHB-C4B-NB	-5.01	121.88	128.83
31	BG	201	PEB	CHC-C1D-ND	-5.01	108.13	113.95
31	JI	201	PEB	CHC-C1D-ND	-5.01	108.13	113.95
31	QI	201	PEB	C4B-C3B-C2B	-5.01	101.24	106.78
31	RF	201	PEB	CHC-C4C-C3C	-5.01	121.80	130.34
31	F7	202	PEB	CHB-C4B-NB	-5.01	121.88	128.83
31	HG	201	PEB	CHC-C1D-ND	-5.01	108.13	113.95
31	HG	203	PEB	OA-C1A-C2A	-5.01	122.19	126.17
31	WK	202	PEB	CHB-C4B-NB	-5.00	121.89	128.83
31	BA	202	PEB	CHB-C4B-NB	-5.00	121.89	128.83
31	ZI	304	PEB	CMB-C2B-C1B	5.00	132.77	125.06
31	L5	202	PEB	CHC-C4C-C3C	-5.00	121.81	130.34
31	QI	201	PEB	CHB-C4B-NB	-5.00	121.89	128.83
31	c8	201	PEB	CHA-C1B-NB	-5.00	114.47	124.93
31	R6	201	PEB	CMB-C2B-C1B	5.00	132.76	125.06
33	NC	1001	CYC	CAB-C3B-C4B	5.00	129.27	121.38
31	DK	201	PEB	CHA-C1B-NB	-5.00	114.48	124.93
31	R6	202	PEB	CHB-C4B-NB	-5.00	121.89	128.83
31	VH	201	PEB	C1C-CHB-C4B	-5.00	122.84	128.81
31	W7	201	PEB	CHB-C4B-NB	-5.00	121.90	128.83
31	jE	202	PEB	CHB-C4B-NB	-5.00	121.90	128.83
31	i4	202	PEB	CMB-C2B-C1B	5.00	132.76	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	XJ	202	PEB	CHB-C4B-NB	-5.00	121.90	128.83
31	l8	203	PEB	C1C-CHB-C4B	5.00	134.78	128.81
32	wF	304	PUB	OD-C4D-C3D	-4.99	122.62	128.04
31	G4	202	PEB	CHB-C4B-NB	-4.99	121.90	128.83
31	W8	201	PEB	CHA-C1B-NB	-4.99	114.49	124.93
31	UD	203	PEB	CHB-C4B-NB	-4.99	121.91	128.83
33	C3	1001	CYC	CHD-C4C-NC	4.99	131.14	125.20
31	A7	202	PEB	CHB-C4B-NB	-4.99	121.91	128.83
31	VB	202	PEB	C1C-CHB-C4B	4.99	134.77	128.81
31	h8	201	PEB	CHA-C4A-NA	4.99	131.14	125.20
31	DK	201	PEB	OA-C1A-C2A	-4.99	122.21	126.17
33	D6	1001	CYC	OB-C4B-C3B	-4.99	122.63	128.04
33	g3	1001	CYC	CHD-C4C-NC	4.99	131.13	125.20
31	LJ	202	PEB	CMB-C2B-C1B	4.99	132.74	125.06
31	U2	203	PEB	CHC-C1D-ND	-4.99	108.16	113.95
31	RB	201	PEB	CMB-C2B-C1B	4.98	132.74	125.06
31	O4	201	PEB	CHB-C4B-NB	-4.98	121.91	128.83
33	DB	1001	CYC	OB-C4B-C3B	-4.98	122.63	128.04
31	M5	201	PEB	CHC-C1D-ND	-4.98	108.16	113.95
31	UA	304	PEB	OA-C1A-C2A	-4.98	122.21	126.17
33	t3	1001	CYC	CHD-C4C-NC	4.98	131.13	125.20
33	T3	1001	CYC	CHD-C4C-NC	4.98	131.13	125.20
32	x8	301	PUB	OD-C4D-C3D	-4.98	122.64	128.04
31	UE	203	PEB	CHB-C4B-NB	-4.98	121.92	128.83
31	MJ	201	PEB	CHC-C1D-ND	-4.98	108.17	113.95
31	j4	203	PEB	CHC-C1D-ND	-4.98	108.17	113.95
31	a8	201	PEB	C1C-CHB-C4B	4.98	134.76	128.81
31	PA	201	PEB	OA-C1A-C2A	-4.98	122.21	126.17
31	UG	202	PEB	CHB-C4B-NB	-4.98	121.92	128.83
31	wF	303	PEB	CHB-C4B-NB	-4.98	121.92	128.83
31	cF	201	PEB	CHA-C1B-NB	-4.98	114.52	124.93
31	B1	202	PEB	CHC-C1D-ND	-4.98	108.17	113.95
31	L5	202	PEB	CMB-C2B-C1B	4.98	132.73	125.06
33	63	901	CYC	CAB-C3B-C4B	4.97	129.24	121.38
31	jD	202	PEB	CHB-C4B-NB	-4.97	121.93	128.83
31	B8	201	PEB	OA-C1A-NA	4.97	130.97	124.94
33	A3	1001	CYC	CHD-C4C-NC	4.97	131.12	125.20
32	AC	304	PUB	CBA-CAA-C3A	4.97	120.52	112.98
31	QJ	201	PEB	OA-C1A-C2A	-4.97	122.22	126.17
31	I7	201	PEB	C1C-CHB-C4B	4.97	134.75	128.81
33	P3	1001	CYC	CHD-C4C-NC	4.97	131.12	125.20
31	R8	201	PEB	CHC-C4C-C3C	-4.97	121.86	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fD	203	PEB	CHC-C4C-C3C	-4.97	121.86	130.34
33	i3	1001	CYC	CHD-C4C-NC	4.97	131.11	125.20
31	FB	1002	PEB	OA-C1A-C2A	-4.97	122.22	126.17
31	aA	201	PEB	OA-C1A-C2A	-4.97	122.22	126.17
31	G8	203	PEB	CAB-C3B-C4B	4.97	133.80	125.01
31	S9	203	PEB	CHB-C4B-NB	-4.97	121.94	128.83
31	kD	202	PEB	OA-C1A-C2A	-4.97	122.22	126.17
31	CF	203	PEB	C1C-CHB-C4B	4.97	134.74	128.81
31	HK	202	PEB	C2A-C1A-NA	4.97	112.55	108.27
31	OG	202	PEB	C1B-C2B-C3B	-4.97	100.81	106.51
31	lF	203	PEB	C1C-CHB-C4B	4.97	134.74	128.81
33	c3	1001	CYC	CHD-C4C-NC	4.97	131.11	125.20
31	WJ	202	PEB	CMB-C2B-C1B	4.97	132.71	125.06
31	T4	202	PEB	OA-C1A-C2A	-4.96	122.23	126.17
33	KC	201	CYC	OB-C4B-C3B	-4.96	122.65	128.04
33	K3	1001	CYC	CHD-C4C-NC	4.96	131.11	125.20
33	l3	1001	CYC	CHD-C4C-NC	4.96	131.11	125.20
33	C6	1001	CYC	CAB-C3B-C4B	4.96	129.22	121.38
31	CH	202	PEB	CHB-C4B-NB	-4.96	121.94	128.83
31	PD	202	PEB	OA-C1A-C2A	-4.96	122.23	126.17
31	qF	201	PEB	CMB-C2B-C1B	4.96	132.70	125.06
31	F9	201	PEB	CAA-C3A-C2A	-4.96	101.87	114.26
31	fE	203	PEB	CHC-C4C-C3C	-4.96	121.88	130.34
31	D1	201	PEB	CHA-C1B-NB	-4.96	114.56	124.93
31	Z8	201	PEB	CHA-C1B-NB	-4.96	114.56	124.93
31	d4	202	PEB	CHB-C4B-NB	-4.96	121.95	128.83
33	HC	1001	CYC	CMB-C2B-C1B	4.96	130.36	124.17
31	K7	202	PEB	CMB-C2B-C1B	4.96	132.69	125.06
31	uF	202	PEB	CHA-C1B-NB	-4.96	114.57	124.93
31	fD	203	PEB	C1C-CHB-C4B	4.95	134.73	128.81
31	NH	201	PEB	C4B-C3B-C2B	-4.95	101.30	106.78
31	M7	203	PEB	CHB-C4B-NB	-4.95	121.95	128.83
31	GF	203	PEB	CAB-C3B-C4B	4.95	133.78	125.01
33	e3	1001	CYC	CHD-C4C-NC	4.95	131.09	125.20
33	m3	1001	CYC	CHD-C4C-NC	4.95	131.09	125.20
33	v3	1001	CYC	CHD-C4C-NC	4.95	131.09	125.20
32	KK	203	PUB	CHC-C1D-ND	-4.95	107.46	113.72
31	S5	202	PEB	C1C-CHB-C4B	4.95	134.72	128.81
31	SG	201	PEB	CHC-C1D-ND	-4.95	108.20	113.95
31	BK	202	PEB	CHC-C1D-ND	-4.95	108.20	113.95
31	HI	203	PEB	C1C-CHB-C4B	-4.95	122.89	128.81
31	RB	202	PEB	CHB-C4B-NB	-4.95	121.96	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MF	203	PEB	CHA-C1B-NB	-4.95	114.58	124.93
31	UC	203	PEB	CHC-C1D-ND	-4.95	108.20	113.95
31	Y6	203	PEB	CHB-C4B-NB	-4.95	121.96	128.83
31	YG	201	PEB	CHC-C1D-ND	-4.95	108.20	113.95
33	CC	1001	CYC	CMA-C3A-C4A	4.95	132.68	125.06
31	IC	201	PEB	CHB-C4B-NB	-4.95	121.97	128.83
33	KE	202	CYC	CMA-C3A-C4A	4.95	132.68	125.06
32	K1	203	PUB	CHC-C1D-ND	-4.95	107.47	113.72
31	q8	201	PEB	CMB-C2B-C1B	4.94	132.68	125.06
33	FB	1001	CYC	C2B-C1B-NB	4.94	114.23	106.99
31	D1	201	PEB	OA-C1A-C2A	-4.94	122.24	126.17
33	J3	1001	CYC	CHD-C4C-NC	4.94	131.08	125.20
31	Q8	203	PEB	C2A-C1A-NA	4.94	112.53	108.27
31	XK	203	PEB	CHC-C1D-ND	-4.94	108.21	113.95
31	F7	202	PEB	CHC-C4C-C3C	-4.94	121.91	130.34
33	IB	1001	CYC	CAB-C3B-C4B	4.94	129.18	121.38
31	ZG	401	PEB	CHB-C4B-NB	-4.94	121.97	128.83
31	OC	203	PEB	CHC-C1D-ND	-4.94	108.21	113.95
31	YD	202	PEB	CHB-C4B-NB	-4.94	121.97	128.83
31	EH	201	PEB	CHB-C4B-NB	-4.94	121.97	128.83
31	SG	202	PEB	CHB-C4B-NB	-4.94	121.97	128.83
31	HC	1002	PEB	CHA-C1B-NB	-4.94	114.60	124.93
33	C2	1001	CYC	CAB-C3B-C4B	4.94	129.18	121.38
31	BI	203	PEB	OA-C1A-C2A	-4.94	122.25	126.17
33	CB	1001	CYC	CAB-C3B-C4B	4.94	129.18	121.38
31	HG	201	PEB	CHB-C4B-NB	-4.94	121.98	128.83
33	N3	1001	CYC	CHD-C4C-NC	4.94	131.07	125.20
31	XF	201	PEB	CHB-C4B-NB	-4.94	121.98	128.83
31	BA	201	PEB	CHC-C4C-C3C	-4.94	121.92	130.34
33	R3	1001	CYC	CHD-C4C-NC	4.94	131.07	125.20
31	BI	201	PEB	C4B-C3B-C2B	-4.93	101.32	106.78
31	W8	202	PEB	CHA-C1B-NB	-4.93	114.61	124.93
33	G3	1001	CYC	CHD-C4C-NC	4.93	131.07	125.20
33	p3	1001	CYC	CHD-C4C-NC	4.93	131.07	125.20
31	UI	204	PEB	CHA-C1B-NB	-4.93	114.61	124.93
31	gA	201	PEB	OA-C1A-C2A	-4.93	122.25	126.17
31	eA	201	PEB	CHC-C1D-ND	-4.93	108.22	113.95
32	xF	301	PUB	CHC-C1D-ND	-4.93	107.48	113.72
33	L6	1001	CYC	C1B-C2B-C3B	-4.93	102.72	107.87
33	FC	1001	CYC	CHB-C1B-NB	-4.93	115.47	126.06
32	x8	301	PUB	CHC-C1D-ND	-4.93	107.48	113.72
31	YB	201	PEB	CHC-C1D-ND	-4.93	108.22	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TE	201	PEB	CHC-C1D-ND	-4.93	108.22	113.95
31	C4	201	PEB	CMB-C2B-C1B	4.93	132.66	125.06
31	f4	201	PEB	CHB-C4B-NB	-4.93	121.99	128.83
31	f2	203	PEB	CHC-C4C-C3C	-4.93	121.93	130.34
31	W5	202	PEB	CMB-C2B-C1B	4.93	132.65	125.06
31	V6	202	PEB	C1C-CHB-C4B	4.93	134.69	128.81
33	H2	1001	CYC	CMB-C2B-C1B	4.93	130.32	124.17
31	LI	202	PEB	CHB-C4B-NB	-4.93	121.99	128.83
32	AC	304	PUB	C1C-C2C-C3C	-4.93	101.33	106.78
31	WF	201	PEB	CHA-C1B-NB	-4.93	114.63	124.93
31	H1	202	PEB	C2A-C1A-NA	4.93	112.52	108.27
33	r3	1001	CYC	CHD-C4C-NC	4.93	131.06	125.20
31	ZF	202	PEB	C1C-CHB-C4B	4.92	134.69	128.81
33	LE	1001	CYC	C4D-CHA-C1A	4.92	134.69	128.81
31	M8	203	PEB	CHA-C1B-NB	-4.92	114.63	124.93
31	EH	203	PEB	CHB-C4B-NB	-4.92	122.00	128.83
31	Q1	202	PEB	CHB-C4B-NB	-4.92	122.00	128.83
31	U9	202	PEB	CHB-C4B-NB	-4.92	122.00	128.83
33	LE	1001	CYC	CAB-C3B-C4B	4.92	129.16	121.38
31	U5	201	PEB	OA-C1A-C2A	-4.92	122.26	126.17
31	F6	1002	PEB	OA-C1A-C2A	-4.92	122.26	126.17
33	x3	1001	CYC	CHB-C4A-NA	-4.92	114.63	124.93
31	P1	201	PEB	OA-C1A-C2A	-4.92	122.26	126.17
31	lE	201	PEB	OA-C1A-C2A	-4.92	122.26	126.17
31	R1	203	PEB	CAB-CBB-CGB	-4.92	103.01	113.60
31	RK	203	PEB	CAB-CBB-CGB	-4.92	103.01	113.60
31	M9	301	PEB	OA-C1A-C2A	-4.92	122.26	126.17
31	H2	1002	PEB	CHA-C1B-NB	-4.92	114.64	124.93
31	X1	203	PEB	CHC-C1D-ND	-4.92	108.23	113.95
31	WF	202	PEB	CHA-C1B-NB	-4.92	114.65	124.93
31	fE	203	PEB	C1C-CHB-C4B	4.91	134.68	128.81
32	A2	304	PUB	C1C-C2C-C3C	-4.91	101.34	106.78
31	WB	201	PEB	C3B-C4B-NB	4.91	117.20	110.05
31	c2	202	PEB	CHA-C1B-NB	-4.91	114.66	124.93
31	DJ	203	PEB	CHC-C1D-ND	-4.91	108.24	113.95
31	BG	202	PEB	OA-C1A-C2A	-4.91	122.27	126.17
33	CC	1001	CYC	CAB-C3B-C4B	4.91	129.14	121.38
31	RE	201	PEB	OA-C1A-C2A	-4.91	122.27	126.17
33	V3	1001	CYC	CHB-C4A-NA	-4.91	114.66	124.93
31	R4	201	PEB	CMB-C2B-C1B	4.91	132.63	125.06
31	L1	201	PEB	CHB-C4B-NB	-4.91	122.02	128.83
31	i2	202	PEB	CHB-C4B-NB	-4.91	122.02	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W1	201	PEB	OA-C1A-C2A	-4.91	122.27	126.17
31	GA	203	PEB	CHB-C4B-NB	-4.91	122.02	128.83
31	YE	202	PEB	CHC-C4C-C3C	-4.91	121.96	130.34
31	qF	201	PEB	CHA-C1B-NB	-4.91	114.67	124.93
31	F4	201	PEB	C4B-C3B-C2B	-4.91	101.35	106.78
31	RE	202	PEB	OA-C1A-C2A	-4.91	122.27	126.17
31	cH	202	PEB	OA-C1A-C2A	-4.91	122.27	126.17
33	F6	1001	CYC	C2B-C1B-NB	4.91	114.17	106.99
31	M7	202	PEB	CHB-C4B-NB	-4.90	122.02	128.83
31	ZF	201	PEB	CHA-C1B-NB	-4.90	114.67	124.93
31	J8	202	PEB	CMB-C2B-C1B	4.90	132.62	125.06
31	WI	201	PEB	C3B-C4B-NB	4.90	117.18	110.05
33	LD	1001	CYC	CAB-C3B-C4B	4.90	129.12	121.38
33	LD	1001	CYC	C4D-CHA-C1A	4.90	134.66	128.81
31	vF	201	PEB	C2A-C1A-NA	4.90	112.50	108.27
31	TD	201	PEB	CHC-C1D-ND	-4.90	108.25	113.95
33	I6	1001	CYC	CAB-C3B-C4B	4.90	129.12	121.38
31	QF	203	PEB	C2A-C1A-NA	4.90	112.50	108.27
31	D5	203	PEB	CHC-C1D-ND	-4.90	108.26	113.95
31	Z9	301	PEB	OA-C1A-C2A	-4.90	122.28	126.17
33	F2	1001	CYC	CHB-C1B-NB	-4.90	115.54	126.06
31	gA	203	PEB	C1C-CHB-C4B	-4.90	122.96	128.81
31	bA	201	PEB	CHC-C1D-ND	-4.90	108.26	113.95
31	d2	202	PEB	CHC-C4C-C3C	-4.90	121.98	130.34
31	cA	402	PEB	C1C-CHB-C4B	-4.90	122.96	128.81
31	l2	202	PEB	CHB-C4B-NB	-4.90	122.03	128.83
33	DD	1001	CYC	CHA-C1A-NA	-4.90	122.03	128.83
33	E3	1001	CYC	CHD-C4C-NC	4.90	131.03	125.20
31	R7	202	PEB	CHC-C4C-C3C	-4.89	121.99	130.34
31	cA	402	PEB	OA-C1A-C2A	-4.89	122.28	126.17
33	IE	1001	CYC	CAB-C3B-C4B	4.89	129.10	121.38
31	PK	202	PEB	CHC-C1D-ND	-4.89	108.27	113.95
31	OD	203	PEB	CHC-C4C-C3C	-4.89	122.00	130.34
31	UA	301	PEB	CHB-C4B-NB	-4.89	122.04	128.83
31	Q9	203	PEB	CMB-C2B-C1B	4.89	132.59	125.06
33	DD	1001	CYC	C1B-C2B-C3B	-4.89	102.77	107.87
31	PD	202	PEB	CMB-C2B-C1B	4.89	132.59	125.06
31	O2	203	PEB	CHC-C1D-ND	-4.89	108.27	113.95
31	LK	201	PEB	CHB-C4B-NB	-4.88	122.05	128.83
31	NA	201	PEB	CHC-C1D-ND	-4.88	108.28	113.95
31	FK	201	PEB	OA-C1A-C2A	-4.88	122.29	126.17
33	FB	1001	CYC	C4D-CHA-C1A	4.88	134.64	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W6	201	PEB	C3B-C4B-NB	4.88	117.15	110.05
31	MH	202	PEB	CHA-C1B-NB	-4.88	114.72	124.93
32	y8	302	PUB	C1D-CHC-C4C	-4.88	102.75	113.37
31	YF	203	PEB	OA-C1A-C2A	-4.88	122.29	126.17
32	yF	302	PUB	C1D-CHC-C4C	-4.88	102.75	113.37
33	N2	1001	CYC	CMB-C2B-C1B	4.88	130.26	124.17
31	YD	202	PEB	CHC-C4C-C3C	-4.88	122.02	130.34
31	GA	201	PEB	CHB-C4B-NB	-4.88	122.06	128.83
31	UK	202	PEB	CHB-C4B-NB	-4.88	122.06	128.83
31	OE	203	PEB	CHC-C4C-C3C	-4.88	122.02	130.34
31	YE	202	PEB	CHB-C4B-NB	-4.88	122.06	128.83
32	w8	304	PUB	OD-C4D-C3D	-4.88	122.75	128.04
31	YE	201	PEB	CMB-C2B-C1B	4.88	132.57	125.06
31	T4	202	PEB	CHB-C4B-NB	-4.87	122.06	128.83
33	DE	1001	CYC	C1B-C2B-C3B	-4.87	102.78	107.87
31	D6	1002	PEB	OA-C1A-C2A	-4.87	122.30	126.17
31	BF	201	PEB	OA-C1A-NA	4.87	130.84	124.94
31	YD	201	PEB	C3B-C4B-NB	4.87	117.14	110.05
31	W2	201	PEB	CHC-C4C-C3C	-4.87	122.03	130.34
33	F6	1001	CYC	C4D-CHA-C1A	4.87	134.63	128.81
31	F4	202	PEB	OA-C1A-C2A	-4.87	122.30	126.17
33	CB	1001	CYC	OB-C4B-C3B	-4.87	122.75	128.04
33	C6	1001	CYC	OB-C4B-C3B	-4.87	122.75	128.04
31	S7	201	PEB	CHB-C4B-NB	-4.87	122.07	128.83
33	F3	1001	CYC	CMA-C3A-C4A	4.87	132.56	125.06
31	B1	203	PEB	CHC-C1D-ND	-4.87	108.29	113.95
33	h3	1001	CYC	CMA-C3A-C4A	4.87	132.56	125.06
31	L8	202	PEB	OA-C1A-C2A	-4.87	122.30	126.17
33	LB	1001	CYC	C1B-C2B-C3B	-4.87	102.79	107.87
33	KE	202	CYC	OC-C1C-C2C	-4.87	122.30	126.17
31	I7	203	PEB	CHB-C4B-NB	-4.87	122.08	128.83
31	WC	201	PEB	CHC-C4C-C3C	-4.87	122.04	130.34
32	xF	301	PUB	OD-C4D-C3D	-4.87	122.76	128.04
33	I6	1001	CYC	C4D-CHA-C1A	4.87	134.62	128.81
31	JF	202	PEB	CMB-C2B-C1B	4.87	132.56	125.06
33	n3	1001	CYC	CMA-C3A-C4A	4.87	132.56	125.06
31	QC	202	PEB	CMB-C2B-C1B	4.86	132.55	125.06
31	DA	201	PEB	CHB-C4B-NB	-4.86	122.08	128.83
31	DI	201	PEB	C3B-C4B-NB	4.86	117.12	110.05
33	Q3	1001	CYC	CMA-C3A-C4A	4.86	132.55	125.06
31	kH	201	PEB	OA-C1A-C2A	-4.86	122.31	126.17
31	U1	202	PEB	CHB-C4B-NB	-4.86	122.08	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	iC	202	PEB	CHB-C4B-NB	-4.86	122.08	128.83
31	SJ	202	PEB	C1C-CHB-C4B	4.86	134.62	128.81
31	PE	202	PEB	CMB-C2B-C1B	4.86	132.55	125.06
33	B3	1001	CYC	CMA-C3A-C4A	4.86	132.55	125.06
31	I7	201	PEB	CMB-C2B-C1B	4.86	132.55	125.06
31	MF	203	PEB	CHC-C1D-ND	-4.86	108.30	113.95
33	M2	201	CYC	CAB-C3B-C4B	4.86	129.05	121.38
31	CJ	202	PEB	C3B-C4B-NB	4.86	117.12	110.05
31	YD	201	PEB	CMB-C2B-C1B	4.86	132.55	125.06
32	ZI	302	PUB	CAC-CBC-CGC	-4.86	103.15	113.60
31	YB	203	PEB	CHB-C4B-NB	-4.86	122.09	128.83
31	v8	201	PEB	C2A-C1A-NA	4.86	112.46	108.27
33	k3	1001	CYC	CMA-C3A-C4A	4.86	132.54	125.06
31	B1	202	PEB	C2A-C1A-NA	4.86	112.46	108.27
33	NC	1001	CYC	CMB-C2B-C1B	4.86	130.23	124.17
32	MI	303	PUB	CAC-CBC-CGC	-4.86	103.15	113.60
31	cC	202	PEB	CHA-C1B-NB	-4.86	114.78	124.93
31	XK	203	PEB	CAB-CBB-CGB	-4.85	103.16	113.60
31	K8	203	PEB	CHC-C1D-ND	-4.85	108.31	113.95
31	X8	201	PEB	CHB-C4B-NB	-4.85	122.09	128.83
31	M8	203	PEB	CHC-C1D-ND	-4.85	108.31	113.95
31	TC	202	PEB	CHB-C4B-NB	-4.85	122.10	128.83
31	ZI	303	PEB	CHA-C1B-NB	-4.85	114.79	124.93
33	D6	1001	CYC	C4D-CHA-C1A	4.85	134.60	128.81
33	f3	1001	CYC	CMA-C3A-C4A	4.85	132.53	125.06
31	EH	201	PEB	CHC-C1D-ND	-4.85	108.32	113.95
31	aB	202	PEB	OA-C1A-C2A	-4.85	122.32	126.17
31	dC	202	PEB	CHC-C4C-C3C	-4.85	122.07	130.34
33	U3	1001	CYC	CMA-C3A-C4A	4.85	132.53	125.06
33	o3	1001	CYC	CMA-C3A-C4A	4.85	132.53	125.06
33	q3	1001	CYC	CMA-C3A-C4A	4.85	132.53	125.06
31	QK	202	PEB	CHB-C4B-NB	-4.85	122.11	128.83
31	OA	201	PEB	OA-C1A-C2A	-4.85	122.32	126.17
31	WG	201	PEB	C4B-C3B-C2B	-4.85	101.42	106.78
31	A7	201	PEB	CHC-C4C-C3C	-4.85	122.07	130.34
31	YI	203	PEB	OA-C1A-C2A	-4.84	122.32	126.17
33	I3	1001	CYC	CMA-C3A-C4A	4.84	132.52	125.06
31	LF	201	PEB	CHC-C1D-ND	-4.84	108.32	113.95
31	g8	202	PEB	OA-C1A-C2A	-4.84	122.32	126.17
31	aF	201	PEB	C1C-CHB-C4B	4.84	134.59	128.81
31	KA	304	PEB	CHC-C4C-C3C	-4.84	122.08	130.34
33	d3	1001	CYC	CMA-C3A-C4A	4.84	132.52	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	j3	1001	CYC	CMA-C3A-C4A	4.84	132.52	125.06
33	ID	1001	CYC	CAB-C3B-C4B	4.84	129.02	121.38
31	YE	201	PEB	C3B-C4B-NB	4.84	117.09	110.05
33	w3	1001	CYC	CMA-C3A-C4A	4.84	132.52	125.06
32	M9	304	PUB	OD-C4D-ND	-4.84	118.76	125.93
31	Z8	202	PEB	C1C-CHB-C4B	4.84	134.59	128.81
31	MI	304	PEB	CHA-C1B-NB	-4.84	114.81	124.93
31	cA	402	PEB	CHC-C4C-C3C	-4.84	122.09	130.34
33	O3	1001	CYC	CMA-C3A-C4A	4.84	132.51	125.06
33	73	1001	CYC	CMA-C3A-C4A	4.84	132.51	125.06
33	JB	1001	CYC	C4D-CHA-C1A	4.84	134.59	128.81
31	fC	203	PEB	CHC-C4C-C3C	-4.84	122.09	130.34
33	H3	1001	CYC	CMA-C3A-C4A	4.84	132.51	125.06
31	gB	203	PEB	C4B-C3B-C2B	-4.83	101.43	106.78
31	DB	1002	PEB	OA-C1A-C2A	-4.83	122.33	126.17
33	IB	1001	CYC	C4D-CHA-C1A	4.83	134.58	128.81
33	u3	1001	CYC	CMA-C3A-C4A	4.83	132.51	125.06
33	D3	1001	CYC	CMA-C3A-C4A	4.83	132.50	125.06
31	P1	202	PEB	CHC-C1D-ND	-4.83	108.34	113.95
32	ZI	302	PUB	C1C-C2C-C3C	-4.83	101.44	106.78
31	j4	201	PEB	C1C-CHB-C4B	-4.83	123.04	128.81
31	KF	203	PEB	CHC-C1D-ND	-4.83	108.34	113.95
31	H9	201	PEB	CHB-C4B-NB	-4.83	122.13	128.83
32	Z9	304	PUB	OD-C4D-ND	-4.83	118.78	125.93
31	BK	202	PEB	C2A-C1A-NA	4.83	112.44	108.27
33	C2	1001	CYC	CMA-C3A-C4A	4.83	132.50	125.06
31	F5	201	PEB	CHB-C4B-NB	-4.83	122.13	128.83
31	ZE	202	PEB	CHB-C4B-NB	-4.83	122.13	128.83
31	FH	202	PEB	CHC-C1D-ND	-4.83	108.34	113.95
31	UH	203	PEB	C1C-CHB-C4B	-4.83	123.05	128.81
32	MI	303	PUB	C1C-C2C-C3C	-4.82	101.44	106.78
31	R7	202	PEB	CHC-C1D-ND	-4.82	108.35	113.95
33	L3	1001	CYC	CMA-C3A-C4A	4.82	132.49	125.06
33	S3	1001	CYC	CMA-C3A-C4A	4.82	132.49	125.06
31	c2	201	PEB	CHC-C1D-ND	-4.82	108.35	113.95
31	AK	202	PEB	CHB-C4B-NB	-4.82	122.14	128.83
31	T2	202	PEB	CHB-C4B-NB	-4.82	122.14	128.83
31	w8	303	PEB	CHB-C4B-NB	-4.82	122.14	128.83
31	W7	202	PEB	CMB-C2B-C1B	4.82	132.49	125.06
33	M3	1001	CYC	CMA-C3A-C4A	4.82	132.49	125.06
31	HA	203	PEB	OA-C1A-C2A	-4.82	122.34	126.17
31	OG	203	PEB	OA-C1A-C2A	-4.82	122.34	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	IG	203	PEB	C1B-C2B-C3B	-4.82	100.97	106.51
31	X1	203	PEB	CAB-CBB-CGB	-4.82	103.23	113.60
31	UJ	201	PEB	OA-C1A-C2A	-4.82	122.34	126.17
31	YG	202	PEB	CHB-C4B-NB	-4.82	122.14	128.83
31	BK	203	PEB	CHC-C1D-ND	-4.82	108.35	113.95
31	C5	202	PEB	C3B-C4B-NB	4.82	117.06	110.05
33	BD	1002	CYC	OC-C1C-C2C	-4.82	122.34	126.17
31	CH	203	PEB	CHB-C4B-NB	-4.82	122.14	128.83
31	PK	201	PEB	OA-C1A-C2A	-4.82	122.34	126.17
33	JC	1003	CYC	C4D-CHA-C1A	4.82	134.56	128.81
33	HE	1001	CYC	CMA-C3A-C4A	4.81	132.48	125.06
33	HD	1001	CYC	CMA-C3A-C4A	4.81	132.48	125.06
31	cF	203	PEB	CHA-C1B-C2B	4.81	137.28	124.90
31	Y2	201	PEB	OA-C1A-C2A	-4.81	122.35	126.17
33	IB	1001	CYC	OB-C4B-C3B	-4.81	122.82	128.04
31	kF	201	PEB	CHA-C1B-NB	-4.81	114.87	124.93
31	mF	201	PEB	CHB-C4B-NB	-4.81	122.16	128.83
31	J5	202	PEB	CHA-C1B-NB	-4.81	114.87	124.93
31	Q2	202	PEB	CMB-C2B-C1B	4.81	132.47	125.06
31	U6	201	PEB	CHA-C4A-NA	4.81	130.92	125.20
31	L8	201	PEB	CHC-C1D-ND	-4.81	108.36	113.95
31	A5	302	PEB	CHB-C4B-NB	-4.81	122.16	128.83
31	b2	201	PEB	CHB-C4B-NB	-4.81	122.16	128.83
31	S7	203	PEB	CHB-C4B-NB	-4.81	122.16	128.83
31	a6	202	PEB	OA-C1A-C2A	-4.81	122.35	126.17
31	L8	202	PEB	CHB-C4B-C3B	-4.81	114.22	125.32
31	PE	202	PEB	OA-C1A-C2A	-4.81	122.35	126.17
31	gC	203	PEB	OA-C1A-C2A	-4.81	122.35	126.17
31	O7	201	PEB	CHC-C1D-ND	-4.81	108.37	113.95
33	FD	202	CYC	CMA-C3A-C4A	4.81	132.46	125.06
31	l2	201	PEB	CHC-C4C-C3C	-4.80	122.14	130.34
31	k8	201	PEB	CHA-C1B-NB	-4.80	114.88	124.93
33	CC	1001	CYC	C4D-CHA-C1A	4.80	134.55	128.81
31	DA	202	PEB	CHB-C4B-NB	-4.80	122.17	128.83
31	FJ	201	PEB	CHB-C4B-NB	-4.80	122.17	128.83
31	A1	202	PEB	CHB-C4B-NB	-4.80	122.17	128.83
31	T1	202	PEB	C3B-C4B-NB	4.80	117.03	110.05
31	E1	202	PEB	CHB-C4B-NB	-4.80	122.17	128.83
33	DE	1001	CYC	CHA-C1A-NA	-4.80	122.17	128.83
31	OI	201	PEB	CHB-C4B-NB	-4.80	122.17	128.83
31	WJ	201	PEB	CHB-C4B-NB	-4.80	122.17	128.83
31	H5	202	PEB	C1C-CHB-C4B	4.80	134.54	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	bC	201	PEB	CHB-C4B-NB	-4.80	122.17	128.83
31	cC	201	PEB	CHC-C1D-ND	-4.80	108.38	113.95
31	EK	202	PEB	CHB-C4B-NB	-4.80	122.17	128.83
31	g6	203	PEB	C4B-C3B-C2B	-4.79	101.47	106.78
31	jH	203	PEB	CHB-C4B-NB	-4.79	122.18	128.83
31	JH	201	PEB	OA-C1A-C2A	-4.79	122.36	126.17
33	ED	1001	CYC	OC-C1C-C2C	-4.79	122.36	126.17
31	RG	203	PEB	C1C-CHB-C4B	4.79	134.53	128.81
33	JC	1003	CYC	CAB-C3B-C4B	4.79	128.95	121.38
31	QD	201	PEB	OA-C1A-C2A	-4.79	122.36	126.17
31	T5	203	PEB	CHB-C4B-NB	-4.79	122.18	128.83
33	I6	1001	CYC	OB-C4B-C3B	-4.79	122.84	128.04
33	M2	201	CYC	C4D-CHA-C1A	4.79	134.53	128.81
31	O5	202	PEB	CHB-C4B-NB	-4.79	122.18	128.83
31	q8	201	PEB	CHA-C1B-NB	-4.79	114.92	124.93
31	H9	202	PEB	CHB-C4B-NB	-4.79	122.19	128.83
31	XA	202	PEB	C1C-CHB-C4B	4.79	134.53	128.81
31	mH	202	PEB	C1C-CHB-C4B	-4.79	123.09	128.81
31	G7	203	PEB	CHB-C4B-NB	-4.79	122.19	128.83
31	UB	201	PEB	C1C-CHB-C4B	4.79	134.53	128.81
31	RJ	203	PEB	CHC-C4C-C3C	-4.79	122.17	130.34
31	XA	201	PEB	CHC-C4C-C3C	-4.79	122.17	130.34
31	IH	202	PEB	CHA-C1B-NB	-4.79	114.92	124.93
31	kC	203	PEB	CHC-C4C-C3C	-4.79	122.18	130.34
31	JJ	202	PEB	CHA-C1B-NB	-4.79	114.92	124.93
31	JF	201	PEB	CHB-C4B-NB	-4.78	122.19	128.83
31	dJ	401	PEB	OA-C1A-C2A	-4.78	122.37	126.17
31	S8	203	PEB	CHC-C1D-ND	-4.78	108.39	113.95
31	UE	202	PEB	OA-C1A-C2A	-4.78	122.37	126.17
31	c8	203	PEB	CHA-C1B-C2B	4.78	137.19	124.90
31	N8	201	PEB	OA-C1A-NA	4.78	130.73	124.94
33	FB	1001	CYC	C1B-C2B-C3B	-4.78	102.88	107.87
31	k2	201	PEB	CHB-C4B-NB	-4.78	122.20	128.83
31	CA	202	PEB	CMB-C2B-C1B	4.78	132.43	125.06
31	TJ	203	PEB	CHB-C4B-NB	-4.78	122.20	128.83
31	CH	203	PEB	OA-C1A-C2A	-4.78	122.37	126.17
31	UA	303	PEB	CHB-C4B-NB	-4.78	122.20	128.83
31	QC	203	PEB	CHB-C4B-NB	-4.78	122.20	128.83
31	LF	202	PEB	CHB-C4B-C3B	-4.78	114.28	125.32
31	ID	201	PEB	OA-C1A-C2A	-4.78	122.37	126.17
31	Y2	201	PEB	CHC-C1D-ND	-4.78	108.40	113.95
31	F4	201	PEB	CBC-CAC-C2C	-4.78	104.47	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZD	202	PEB	CHB-C4B-NB	-4.78	122.20	128.83
31	JE	201	PEB	OA-C1A-C2A	-4.78	122.38	126.17
31	UB	201	PEB	CHA-C4A-NA	4.78	130.88	125.20
31	iH	202	PEB	C1C-CHB-C4B	-4.78	123.10	128.81
31	TK	202	PEB	CHC-C1D-ND	-4.78	108.40	113.95
31	OG	202	PEB	OA-C1A-C2A	-4.77	122.38	126.17
31	BG	201	PEB	C4B-C3B-C2B	-4.77	101.50	106.78
31	Y7	502	PEB	C2A-C1A-NA	4.77	112.39	108.27
31	F8	201	PEB	CHC-C1D-ND	-4.77	108.41	113.95
31	OG	201	PEB	C4B-C3B-C2B	-4.77	101.50	106.78
31	gF	202	PEB	OA-C1A-C2A	-4.77	122.38	126.17
31	F1	202	PEB	CHB-C4B-NB	-4.77	122.21	128.83
31	H4	201	PEB	C4B-C3B-C2B	-4.77	101.50	106.78
31	R5	203	PEB	CHC-C4C-C3C	-4.77	122.20	130.34
31	Y2	202	PEB	CMB-C2B-C1B	4.77	132.41	125.06
31	UG	201	PEB	CHB-C4B-NB	-4.77	122.21	128.83
31	OJ	202	PEB	CHB-C4B-NB	-4.77	122.21	128.83
31	hH	203	PEB	CHB-C4B-NB	-4.77	122.21	128.83
31	JI	201	PEB	C3B-C4B-NB	4.77	116.98	110.05
31	U1	201	PEB	C3D-C4D-ND	4.77	116.61	107.26
33	FC	1001	CYC	OB-C4B-C3B	-4.77	122.87	128.04
31	GA	202	PEB	OA-C1A-C2A	-4.77	122.38	126.17
31	N5	203	PEB	CHB-C4B-NB	-4.77	122.22	128.83
31	WK	201	PEB	OA-C1A-C2A	-4.77	122.38	126.17
31	S1	201	PEB	C3D-C4D-ND	4.77	116.61	107.26
31	A7	201	PEB	CMB-C2B-C1B	4.77	132.40	125.06
33	CE	1001	CYC	CMA-C3A-C4A	4.76	132.40	125.06
31	UH	202	PEB	CHA-C1B-NB	-4.76	114.97	124.93
31	Y9	202	PEB	CHB-C4B-NB	-4.76	122.22	128.83
31	ZA	203	PEB	CMB-C2B-C1B	4.76	132.40	125.06
31	kC	201	PEB	CHB-C4B-NB	-4.76	122.22	128.83
31	ZB	201	PEB	CMA-C2A-C1A	-4.76	102.15	112.40
31	BG	201	PEB	OA-C1A-C2A	-4.76	122.39	126.17
31	NF	201	PEB	OA-C1A-NA	4.76	130.70	124.94
31	R2	202	PEB	CHB-C4B-NB	-4.76	122.23	128.83
31	l2	202	PEB	OA-C1A-C2A	-4.76	122.39	126.17
31	FF	201	PEB	CHB-C4B-NB	-4.76	122.23	128.83
31	LH	202	PEB	CHC-C1D-ND	-4.75	108.43	113.95
31	TE	201	PEB	CMB-C2B-C1B	4.75	132.38	125.06
31	mD	202	PEB	OA-C1A-C2A	-4.75	122.39	126.17
33	F2	1001	CYC	CAB-C3B-C4B	4.75	128.88	121.38
31	T1	202	PEB	CHC-C1D-ND	-4.75	108.43	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QF	203	PEB	CHA-C1B-C2B	4.75	137.12	124.90
31	YC	201	PEB	CHC-C1D-ND	-4.75	108.43	113.95
31	MF	201	PEB	CMB-C2B-C1B	4.75	132.38	125.06
33	IE	1001	CYC	CMA-C3A-C4A	4.75	132.38	125.06
31	IA	201	PEB	CHC-C1D-ND	-4.75	108.43	113.95
33	DB	1001	CYC	C4D-CHA-C1A	4.75	134.48	128.81
31	Q8	203	PEB	CHA-C1B-C2B	4.75	137.11	124.90
31	RC	202	PEB	CHB-C4B-NB	-4.75	122.24	128.83
31	NJ	203	PEB	CHB-C4B-NB	-4.75	122.24	128.83
31	FK	202	PEB	CHB-C4B-NB	-4.75	122.24	128.83
33	J6	1001	CYC	C4D-CHA-C1A	4.75	134.48	128.81
31	K4	201	PEB	CHC-C4C-C3C	-4.75	122.24	130.34
31	WK	202	PEB	CHC-C4C-C3C	-4.75	122.24	130.34
31	HG	201	PEB	C4B-C3B-C2B	-4.75	101.53	106.78
31	a4	202	PEB	CHB-C4B-NB	-4.75	122.24	128.83
31	Y8	203	PEB	OA-C1A-C2A	-4.75	122.40	126.17
31	YI	201	PEB	C4B-C3B-C2B	-4.75	101.53	106.78
31	UA	302	PEB	OA-C1A-C2A	-4.75	122.40	126.17
31	GH	202	PEB	CHC-C4C-C3C	-4.74	122.25	130.34
31	UK	201	PEB	C3D-C4D-ND	4.74	116.57	107.26
31	r8	201	PEB	CHB-C4B-NB	-4.74	122.25	128.83
31	Y2	201	PEB	CMB-C2B-C1B	4.74	132.37	125.06
31	V8	202	PEB	CMB-C2B-C1B	4.74	132.37	125.06
31	I7	203	PEB	CHC-C4C-C3C	4.74	138.42	130.34
31	HG	202	PEB	OA-C1A-C2A	-4.74	122.40	126.17
31	mE	202	PEB	OA-C1A-C2A	-4.74	122.40	126.17
33	FC	1001	CYC	CAB-C3B-C4B	4.74	128.87	121.38
33	HD	1001	CYC	CAB-C3B-C4B	4.74	128.86	121.38
31	aH	202	PEB	OA-C1A-C2A	-4.74	122.41	126.17
31	U7	202	PEB	CHB-C4B-NB	-4.74	122.26	128.83
31	jF	202	PEB	CMB-C2B-C1B	4.74	132.36	125.06
31	AH	301	PEB	C1C-CHB-C4B	-4.74	123.15	128.81
33	F2	1001	CYC	OB-C4B-C3B	-4.74	122.90	128.04
31	SK	201	PEB	C3D-C4D-ND	4.74	116.55	107.26
31	UB	201	PEB	CHA-C1B-NB	-4.73	115.03	124.93
31	YI	201	PEB	CHC-C1D-ND	-4.73	108.45	113.95
31	AJ	302	PEB	CHB-C4B-NB	-4.73	122.26	128.83
31	LF	202	PEB	OA-C1A-C2A	-4.73	122.41	126.17
31	YC	202	PEB	CMB-C2B-C1B	4.73	132.35	125.06
31	TD	201	PEB	CMB-C2B-C1B	4.73	132.35	125.06
31	TK	202	PEB	C3B-C4B-NB	4.73	116.93	110.05
31	kH	202	PEB	CHC-C1D-ND	-4.73	108.45	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W1	202	PEB	CHC-C4C-C3C	-4.73	122.27	130.34
31	Q4	201	PEB	OA-C1A-C2A	-4.73	122.41	126.17
31	SF	201	PEB	CHA-C1B-NB	-4.73	115.04	124.93
31	lF	203	PEB	OA-C1A-C2A	-4.73	122.41	126.17
31	Y4	202	PEB	CHB-C4B-NB	-4.73	122.27	128.83
31	L7	201	PEB	CHC-C1D-ND	-4.73	108.46	113.95
31	Q2	203	PEB	CHB-C4B-NB	-4.73	122.27	128.83
31	YC	201	PEB	CMB-C2B-C1B	4.73	132.34	125.06
31	e6	201	PEB	CMB-C2B-C1B	4.72	132.34	125.06
31	Z2	203	PEB	CHA-C1B-NB	-4.72	115.05	124.93
31	HJ	202	PEB	C1C-CHB-C4B	4.72	134.45	128.81
31	iF	203	PEB	CHC-C1D-ND	-4.72	108.46	113.95
31	OE	203	PEB	C1C-CHB-C4B	4.72	134.45	128.81
31	h2	201	PEB	OA-C1A-C2A	-4.72	122.42	126.17
31	TB	202	PEB	CHB-C4B-NB	-4.72	122.28	128.83
31	S8	201	PEB	CHA-C1B-NB	-4.72	115.06	124.93
31	SF	203	PEB	CHC-C1D-ND	-4.72	108.47	113.95
31	NF	201	PEB	CHB-C4B-NB	-4.72	122.28	128.83
33	L6	1001	CYC	CBB-CAB-C3B	-4.72	99.42	112.43
32	AE	303	PUB	CHA-C1B-C2B	-4.72	122.29	130.34
31	L9	202	PEB	CHC-C1D-ND	-4.72	108.47	113.95
33	HE	1001	CYC	CAB-C3B-C4B	4.72	128.83	121.38
31	m8	201	PEB	CHB-C4B-NB	-4.72	122.28	128.83
31	H8	201	PEB	OA-C1A-C2A	-4.72	122.42	126.17
31	a4	203	PEB	CHC-C4C-C3C	-4.72	122.29	130.34
31	F8	201	PEB	CHB-C4B-NB	-4.72	122.29	128.83
31	MH	201	PEB	OA-C1A-C2A	-4.72	122.42	126.17
31	kH	201	PEB	C1C-CHB-C4B	-4.71	123.18	128.81
31	EJ	202	PEB	CMB-C2B-C1B	4.71	132.32	125.06
31	HE	1002	PEB	C4B-C3B-C2B	-4.71	101.56	106.78
31	Z6	201	PEB	CMA-C2A-C1A	-4.71	102.25	112.40
31	CF	202	PEB	C4B-C3B-C2B	-4.71	101.57	106.78
33	ID	1001	CYC	CMA-C3A-C4A	4.71	132.32	125.06
31	TH	202	PEB	CHC-C1D-ND	-4.71	108.48	113.95
31	WH	201	PEB	CHC-C4C-C3C	-4.71	122.30	130.34
31	a6	201	PEB	CMB-C2B-C1B	4.71	132.32	125.06
31	U6	201	PEB	C1C-CHB-C4B	4.71	134.44	128.81
33	LC	1001	CYC	OC-C1C-C2C	-4.71	122.43	126.17
31	E1	202	PEB	CHC-C4C-C3C	-4.71	122.31	130.34
31	IH	202	PEB	CHC-C4C-C3C	-4.71	122.31	130.34
31	HF	201	PEB	OA-C1A-C2A	-4.71	122.43	126.17
31	WD	201	PEB	CHC-C4C-C3C	-4.71	122.31	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	lC	201	PEB	OA-C1A-C2A	-4.71	122.43	126.17
31	LJ	201	PEB	CHB-C4B-NB	-4.71	122.30	128.83
31	JH	202	PEB	OA-C1A-C2A	-4.71	122.43	126.17
31	W5	201	PEB	CHB-C4B-NB	-4.71	122.30	128.83
33	LB	1001	CYC	CBB-CAB-C3B	-4.71	99.46	112.43
31	M9	301	PEB	CMB-C2B-C1B	4.70	132.31	125.06
31	SH	203	PEB	OA-C1A-C2A	-4.70	122.43	126.17
33	GE	201	CYC	OB-C4B-C3B	-4.70	122.94	128.04
31	Z9	301	PEB	CMB-C2B-C1B	4.70	132.31	125.06
31	E7	201	PEB	CMB-C2B-C1B	4.70	132.31	125.06
31	aB	201	PEB	CMB-C2B-C1B	4.70	132.31	125.06
31	J8	201	PEB	CHB-C4B-NB	-4.70	122.31	128.83
31	PA	201	PEB	C2A-C1A-NA	4.70	112.32	108.27
31	M8	201	PEB	CMB-C2B-C1B	4.70	132.30	125.06
31	QE	201	PEB	OA-C1A-C2A	-4.70	122.44	126.17
31	U6	201	PEB	CHA-C1B-NB	-4.70	115.11	124.93
33	GD	201	CYC	OB-C4B-C3B	-4.70	122.94	128.04
31	uF	201	PEB	OA-C1A-C2A	-4.70	122.44	126.17
32	AD	303	PUB	CHA-C1B-C2B	-4.70	122.33	130.34
31	EK	202	PEB	CHC-C4C-C3C	-4.69	122.33	130.34
31	PD	201	PEB	OA-C1A-C2A	-4.69	122.44	126.17
31	ZD	203	PEB	CHC-C1D-ND	-4.69	108.50	113.95
31	U1	201	PEB	CHA-C1B-C2B	4.69	136.97	124.90
31	W4	202	PEB	CHB-C4B-NB	-4.69	122.32	128.83
31	N8	201	PEB	CHB-C4B-NB	-4.69	122.32	128.83
31	eA	201	PEB	OA-C1A-C2A	-4.69	122.44	126.17
31	WE	202	PEB	CHC-C4C-C3C	-4.69	122.34	130.34
31	ZG	401	PEB	CAA-C3A-C2A	-4.69	102.54	114.26
33	KC	201	CYC	C2B-C1B-NB	4.69	113.85	106.99
31	PE	201	PEB	OA-C1A-C2A	-4.69	122.44	126.17
31	UG	201	PEB	CHC-C1D-ND	-4.69	108.50	113.95
31	YF	202	PEB	CHB-C4B-NB	-4.69	122.32	128.83
31	YC	201	PEB	OA-C1A-C2A	-4.69	122.45	126.17
31	NK	202	PEB	CHA-C1B-NB	-4.69	115.13	124.93
31	UD	202	PEB	OA-C1A-C2A	-4.68	122.45	126.17
33	K2	201	CYC	C2B-C1B-NB	4.68	113.85	106.99
31	AH	302	PEB	C1C-CHB-C4B	-4.68	123.21	128.81
31	kB	202	PEB	C1C-CHB-C4B	4.68	134.40	128.81
31	HF	201	PEB	C2A-C1A-NA	4.68	112.31	108.27
31	T6	202	PEB	CHB-C4B-NB	-4.68	122.33	128.83
31	RD	202	PEB	OA-C1A-C2A	-4.68	122.45	126.17
31	E5	202	PEB	CMB-C2B-C1B	4.68	132.27	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YJ	202	PEB	CHC-C1D-ND	-4.68	108.51	113.95
31	j8	202	PEB	CMB-C2B-C1B	4.68	132.27	125.06
31	XA	202	PEB	OA-C1A-C2A	-4.68	122.45	126.17
31	FF	201	PEB	CHC-C1D-ND	-4.68	108.52	113.95
31	FI	201	PEB	C1C-CHB-C4B	-4.68	123.22	128.81
31	k6	202	PEB	C1C-CHB-C4B	4.68	134.40	128.81
31	QH	204	PEB	CHC-C4C-C3C	-4.68	122.36	130.34
31	BK	201	PEB	CHB-C4B-NB	-4.68	122.34	128.83
32	x8	305	PUB	C1C-C2C-C3C	-4.68	101.61	106.78
31	d5	401	PEB	OA-C1A-C2A	-4.67	122.46	126.17
31	OI	202	PEB	C4B-C3B-C2B	-4.67	101.61	106.78
31	Y7	501	PEB	CHB-C4B-NB	-4.67	122.34	128.83
31	eB	201	PEB	CMB-C2B-C1B	4.67	132.26	125.06
31	H8	201	PEB	C2A-C1A-NA	4.67	112.30	108.27
31	ZC	203	PEB	CHA-C1B-NB	-4.67	115.16	124.93
31	PH	202	PEB	CHC-C1D-ND	-4.67	108.52	113.95
31	U4	202	PEB	CHB-C4B-NB	-4.67	122.35	128.83
31	XJ	201	PEB	CHC-C1D-ND	-4.67	108.52	113.95
31	e2	201	PEB	OA-C1A-C2A	-4.67	122.46	126.17
31	X4	201	PEB	OA-C1A-C2A	-4.67	122.46	126.17
31	f4	201	PEB	OA-C1A-C2A	-4.67	122.46	126.17
33	C2	1001	CYC	C4D-CHA-C1A	4.67	134.39	128.81
31	DH	201	PEB	CHC-C4C-C3C	-4.67	122.37	130.34
31	rF	201	PEB	CHB-C4B-NB	-4.67	122.35	128.83
31	UD	201	PEB	CHC-C4C-C3C	-4.67	122.38	130.34
31	PF	201	PEB	OA-C1A-NA	4.67	130.59	124.94
31	bE	201	PEB	CMB-C2B-C1B	4.67	132.25	125.06
33	BD	1001	CYC	C2C-C1C-NC	4.67	112.30	108.27
31	OA	201	PEB	CHB-C4B-NB	-4.67	122.36	128.83
31	fF	201	PEB	CHC-C4C-C3C	-4.66	122.38	130.34
33	EE	1001	CYC	OC-C1C-C2C	-4.66	122.47	126.17
31	C4	203	PEB	CHB-C4B-NB	-4.66	122.36	128.83
31	EH	203	PEB	CHC-C4C-C3C	-4.66	122.39	130.34
31	hD	202	PEB	CHB-C4B-NB	-4.66	122.36	128.83
31	UK	201	PEB	CHA-C1B-C2B	4.66	136.89	124.90
31	zF	501	PEB	C4B-C3B-C2B	-4.66	101.62	106.78
31	B5	201	PEB	CHA-C1B-NB	-4.66	115.18	124.93
31	B9	203	PEB	CMB-C2B-C1B	4.66	132.24	125.06
32	xF	305	PUB	C1C-C2C-C3C	-4.66	101.62	106.78
31	N1	202	PEB	CHA-C1B-NB	-4.66	115.19	124.93
31	GJ	201	PEB	CHC-C1D-ND	-4.66	108.54	113.95
31	s8	203	PEB	C1C-CHB-C4B	4.66	134.37	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	GD	202	PEB	C4B-C3B-C2B	-4.66	101.63	106.78
31	PK	202	PEB	C2A-C1A-NA	4.66	112.29	108.27
32	Z9	305	PUB	CHB-C1C-C2C	-4.66	114.56	125.32
31	f8	201	PEB	CHC-C4C-C3C	-4.66	122.39	130.34
32	M9	305	PUB	CHB-C1C-C2C	-4.66	114.56	125.32
31	B1	201	PEB	CHB-C4B-NB	-4.66	122.37	128.83
31	F5	203	PEB	C2A-C1A-NA	4.66	112.29	108.27
31	ZE	203	PEB	CHA-C1B-NB	-4.66	115.19	124.93
31	EJ	201	PEB	OA-C1A-C2A	-4.66	122.47	126.17
33	BE	1002	CYC	C1B-C2B-C3B	-4.66	103.01	107.87
31	j2	202	PEB	C1C-CHB-C4B	-4.66	123.25	128.81
31	c2	202	PEB	OA-C1A-C2A	-4.65	122.47	126.17
31	BJ	201	PEB	CHA-C1B-NB	-4.65	115.20	124.93
31	kC	202	PEB	OA-C1A-C2A	-4.65	122.47	126.17
31	QF	202	PEB	CHC-C4C-C3C	-4.65	122.40	130.34
31	jC	202	PEB	C1C-CHB-C4B	-4.65	123.25	128.81
31	G7	202	PEB	CMB-C2B-C1B	4.65	132.23	125.06
31	f4	202	PEB	CHC-C4C-C3C	-4.65	122.40	130.34
31	L9	202	PEB	C1C-CHB-C4B	4.65	134.37	128.81
31	OD	203	PEB	C1C-CHB-C4B	4.65	134.36	128.81
31	j4	203	PEB	CHB-C4B-NB	-4.65	122.38	128.83
31	BA	203	PEB	OA-C1A-C2A	-4.65	122.48	126.17
31	GH	202	PEB	OA-C1A-C2A	-4.65	122.48	126.17
31	I4	203	PEB	CHC-C4C-C3C	-4.65	122.41	130.34
31	M4	202	PEB	CHC-C4C-C3C	-4.65	122.41	130.34
31	Q8	202	PEB	CHC-C4C-C3C	-4.65	122.41	130.34
31	SA	202	PEB	CHC-C4C-C3C	-4.65	122.41	130.34
31	fD	203	PEB	CHB-C4B-NB	-4.65	122.38	128.83
31	F5	203	PEB	OA-C1A-C2A	-4.64	122.48	126.17
31	VF	202	PEB	CMB-C2B-C1B	4.64	132.21	125.06
31	RD	201	PEB	OA-C1A-C2A	-4.64	122.48	126.17
31	ZD	203	PEB	CHA-C1B-NB	-4.64	115.22	124.93
31	X7	202	PEB	CHA-C1B-NB	-4.64	115.22	124.93
31	JE	201	PEB	C4B-C3B-C2B	-4.64	101.65	106.78
31	CI	202	PEB	C1C-CHB-C4B	4.64	134.35	128.81
31	bD	202	PEB	CMB-C2B-C1B	4.64	132.21	125.06
31	HI	202	PEB	C4B-C3B-C2B	-4.64	101.65	106.78
31	QA	202	PEB	OA-C1A-C2A	-4.64	122.48	126.17
31	fC	202	PEB	CHC-C1D-ND	-4.64	108.56	113.95
32	A5	303	PUB	CHA-C4A-NA	-4.64	108.56	113.95
31	UH	202	PEB	CHB-C4B-NB	-4.64	122.39	128.83
31	J9	203	PEB	CHB-C4B-NB	-4.64	122.39	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	R8	201	PEB	CHB-C4B-NB	-4.64	122.40	128.83
31	Q9	203	PEB	CHB-C4B-NB	-4.64	122.40	128.83
31	IE	202	PEB	CHB-C4B-NB	-4.64	122.40	128.83
31	WD	201	PEB	OA-C1A-C2A	-4.64	122.49	126.17
31	PH	201	PEB	OA-C1A-C2A	-4.64	122.49	126.17
31	SH	202	PEB	CHB-C4B-NB	-4.64	122.40	128.83
31	GD	202	PEB	OA-C1A-C2A	-4.63	122.49	126.17
31	Z4	201	PEB	OA-C1A-C2A	-4.63	122.49	126.17
33	HD	1001	CYC	OC-C1C-C2C	-4.63	122.49	126.17
31	VG	203	PEB	OD-C4D-ND	-4.63	119.06	125.93
31	XI	202	PEB	C1C-CHB-C4B	4.63	134.34	128.81
31	BG	201	PEB	C3B-C4B-NB	4.63	116.79	110.05
31	UH	203	PEB	CHB-C4B-NB	-4.63	122.40	128.83
31	G7	201	PEB	CHB-C4B-NB	-4.63	122.40	128.83
31	RJ	201	PEB	OA-C1A-C2A	-4.63	122.49	126.17
31	aH	201	PEB	OA-C1A-C2A	-4.63	122.49	126.17
31	XK	201	PEB	CHC-C1D-ND	-4.63	108.57	113.95
33	FD	201	CYC	C2B-C1B-NB	4.63	113.77	106.99
33	DE	1001	CYC	C1B-NB-C4B	-4.63	104.77	110.67
31	f2	202	PEB	CHC-C1D-ND	-4.63	108.57	113.95
31	z8	501	PEB	C4B-C3B-C2B	-4.63	101.66	106.78
31	mB	203	PEB	C4B-C3B-C2B	-4.63	101.66	106.78
31	T9	201	PEB	CHC-C1D-ND	-4.63	108.57	113.95
31	Z4	201	PEB	CHA-C1B-NB	-4.63	115.25	124.93
31	uF	202	PEB	CMB-C2B-C1B	4.63	132.19	125.06
31	FA	201	PEB	OA-C1A-C2A	-4.63	122.49	126.17
31	N6	1002	PEB	OA-C1A-C2A	-4.63	122.49	126.17
32	AJ	303	PUB	CHA-C4A-NA	-4.63	108.57	113.95
33	E2	1001	CYC	CAB-C3B-C4B	4.63	128.69	121.38
31	LG	202	PEB	CHB-C4B-NB	-4.63	122.41	128.83
31	c4	201	PEB	CHC-C1D-ND	4.63	119.32	113.95
31	bF	202	PEB	CHC-C1D-ND	4.63	119.32	113.95
31	m6	203	PEB	C4B-C3B-C2B	-4.63	101.66	106.78
31	Y7	502	PEB	CHB-C4B-NB	-4.63	122.41	128.83
31	MA	202	PEB	C1C-CHB-C4B	-4.63	123.28	128.81
33	L2	1001	CYC	OC-C1C-C2C	-4.63	122.50	126.17
31	C8	202	PEB	C4B-C3B-C2B	-4.63	101.66	106.78
31	UF	202	PEB	CHA-C1B-NB	-4.62	115.26	124.93
33	ME	1001	CYC	CAB-C3B-C4B	4.62	128.68	121.38
31	f2	203	PEB	CHB-C4B-NB	-4.62	122.41	128.83
31	h6	201	PEB	CHC-C4C-C3C	-4.62	122.45	130.34
31	g8	203	PEB	CMB-C2B-C1B	4.62	132.18	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	MD	1001	CYC	CAB-C3B-C4B	4.62	128.68	121.38
31	l8	203	PEB	OA-C1A-C2A	-4.62	122.50	126.17
33	F6	1001	CYC	C1B-C2B-C3B	-4.62	103.05	107.87
31	OB	201	PEB	C3B-C4B-NB	4.62	116.77	110.05
31	B9	201	PEB	C4B-C3B-C2B	-4.62	101.67	106.78
31	ZE	203	PEB	CHC-C1D-ND	-4.62	108.58	113.95
32	y8	302	PUB	CHC-C1D-ND	-4.62	107.88	113.72
31	T1	202	PEB	C4B-C3B-C2B	-4.62	101.67	106.78
31	NA	202	PEB	CHC-C4C-C3C	-4.62	122.46	130.34
31	GH	201	PEB	CMB-C2B-C1B	4.62	132.18	125.06
31	hE	202	PEB	CHB-C4B-NB	-4.62	122.42	128.83
31	X5	201	PEB	CHC-C1D-ND	-4.62	108.58	113.95
31	TC	201	PEB	C1C-CHB-C4B	4.62	134.33	128.81
31	L5	201	PEB	CHB-C4B-NB	-4.62	122.42	128.83
31	fE	203	PEB	CHB-C4B-NB	-4.62	122.42	128.83
31	jF	201	PEB	CHA-C1B-NB	-4.62	115.27	124.93
31	G4	203	PEB	CHC-C1D-ND	-4.62	108.58	113.95
33	BD	1002	CYC	C1B-C2B-C3B	-4.62	103.05	107.87
31	P1	202	PEB	C2A-C1A-NA	4.62	112.25	108.27
31	V8	201	PEB	CHC-C4C-C3C	-4.62	122.46	130.34
31	WJ	202	PEB	CHC-C1D-ND	-4.62	108.59	113.95
31	G5	201	PEB	CHC-C1D-ND	-4.62	108.59	113.95
32	M9	304	PUB	CHA-C4A-NA	-4.62	108.59	113.95
31	cE	201	PEB	OA-C1A-C2A	-4.62	122.50	126.17
31	FI	203	PEB	CHA-C1B-NB	-4.62	115.28	124.93
31	UI	202	PEB	C1C-CHB-C4B	4.62	134.32	128.81
31	OI	203	PEB	OA-C1A-C2A	-4.61	122.50	126.17
33	EC	1001	CYC	CAB-C3B-C4B	4.61	128.67	121.38
31	VA	202	PEB	CHB-C4B-NB	-4.61	122.43	128.83
31	F4	201	PEB	C3D-C4D-ND	4.61	116.31	107.26
31	a8	201	PEB	CHA-C1B-NB	-4.61	115.28	124.93
31	ID	202	PEB	CHB-C4B-NB	-4.61	122.43	128.83
33	FE	1001	CYC	C2B-C1B-NB	4.61	113.74	106.99
31	C7	203	PEB	CHB-C4B-NB	-4.61	122.43	128.83
31	lH	203	PEB	CHC-C4C-C3C	-4.61	122.48	130.34
31	hB	201	PEB	CHC-C4C-C3C	-4.61	122.48	130.34
33	LB	1001	CYC	OC-C1C-C2C	-4.61	122.51	126.17
33	M6	1001	CYC	OB-C4B-C3B	-4.61	123.04	128.04
31	aH	204	PEB	CHA-C1B-NB	-4.61	115.30	124.93
33	MB	1001	CYC	OB-C4B-C3B	-4.60	123.04	128.04
31	IK	202	PEB	CHB-C4B-NB	-4.60	122.44	128.83
31	I1	202	PEB	CHB-C4B-NB	-4.60	122.44	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	iH	201	PEB	OA-C1A-C2A	-4.60	122.51	126.17
31	X9	201	PEB	CHC-C1D-ND	-4.60	108.60	113.95
31	sF	203	PEB	C1C-CHB-C4B	4.60	134.31	128.81
31	HD	1002	PEB	C4B-C3B-C2B	-4.60	101.69	106.78
31	G1	202	PEB	CHB-C4B-NB	-4.60	122.45	128.83
31	P7	201	PEB	CHC-C1D-ND	-4.60	108.61	113.95
31	j8	201	PEB	CHA-C1B-NB	-4.60	115.31	124.93
31	fC	203	PEB	CHB-C4B-NB	-4.60	122.45	128.83
31	TE	201	PEB	OA-C1A-C2A	-4.60	122.52	126.17
31	l4	202	PEB	OA-C1A-C2A	-4.60	122.52	126.17
31	RB	202	PEB	CHC-C1D-ND	-4.60	108.61	113.95
31	X1	201	PEB	CHC-C1D-ND	-4.60	108.61	113.95
31	i8	203	PEB	CHC-C1D-ND	-4.60	108.61	113.95
31	l8	201	PEB	C2A-C1A-NA	4.60	112.23	108.27
31	U7	203	PEB	CHC-C4C-C3C	4.60	138.17	130.34
31	HH	201	PEB	OA-C1A-C2A	-4.60	122.52	126.17
31	IH	201	PEB	OA-C1A-C2A	-4.60	122.52	126.17
31	E5	202	PEB	CHC-C1D-ND	-4.60	108.61	113.95
31	a4	202	PEB	OA-C1A-C2A	-4.59	122.52	126.17
31	UE	201	PEB	CHC-C4C-C3C	-4.59	122.50	130.34
31	h6	202	PEB	CHB-C4B-NB	-4.59	122.45	128.83
31	G9	201	PEB	CHC-C1D-ND	-4.59	108.61	113.95
31	K9	201	PEB	CHC-C1D-ND	-4.59	108.61	113.95
31	e4	202	PEB	C1C-CHB-C4B	-4.59	123.32	128.81
31	E9	201	PEB	CHC-C1D-ND	-4.59	108.61	113.95
31	Y5	202	PEB	CHC-C1D-ND	-4.59	108.61	113.95
31	TK	201	PEB	OA-C1A-C2A	-4.59	122.52	126.17
31	V5	203	PEB	CHC-C1D-ND	-4.59	108.62	113.95
31	U9	202	PEB	CHC-C1D-ND	-4.59	108.62	113.95
31	U6	201	PEB	C3D-C4D-ND	4.59	116.26	107.26
31	CJ	202	PEB	CMB-C2B-C1B	4.59	132.13	125.06
31	R5	201	PEB	OA-C1A-C2A	-4.59	122.52	126.17
31	V9	201	PEB	CHC-C1D-ND	-4.59	108.62	113.95
33	DB	1001	CYC	CAB-C3B-C4B	4.59	128.63	121.38
31	K5	202	PEB	C1C-CHB-C4B	-4.59	123.33	128.81
31	O1	201	PEB	C3D-C4D-ND	4.59	116.26	107.26
31	WG	201	PEB	OA-C1A-C2A	-4.59	122.53	126.17
31	S6	201	PEB	C3B-C4B-NB	4.59	116.72	110.05
31	eF	202	PEB	C4B-C3B-C2B	-4.58	101.71	106.78
31	II	202	PEB	C1C-CHB-C4B	4.58	134.28	128.81
32	Z9	304	PUB	CHA-C4A-NA	-4.58	108.62	113.95
31	hB	202	PEB	CHB-C4B-NB	-4.58	122.47	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U8	202	PEB	CHA-C1B-NB	-4.58	115.35	124.93
31	EA	501	PEB	CHC-C4C-C3C	-4.58	122.52	130.34
31	VI	202	PEB	C1C-CHB-C4B	4.58	134.28	128.81
31	mE	202	PEB	CHC-C4C-C3C	-4.58	122.53	130.34
31	mD	202	PEB	CHC-C4C-C3C	-4.58	122.53	130.34
31	PI	202	PEB	C1C-CHB-C4B	4.58	134.28	128.81
31	e8	202	PEB	C4B-C3B-C2B	-4.58	101.72	106.78
33	DC	1003	CYC	C2B-C1B-NB	4.58	113.69	106.99
31	PB	202	PEB	CHB-C4B-NB	-4.58	122.48	128.83
31	NB	1002	PEB	OA-C1A-C2A	-4.57	122.54	126.17
31	E7	202	PEB	CHB-C4B-NB	-4.57	122.48	128.83
31	D1	202	PEB	C2A-C1A-NA	4.57	112.22	108.27
31	GK	202	PEB	CHB-C4B-NB	-4.57	122.48	128.83
31	T1	201	PEB	OA-C1A-C2A	-4.57	122.54	126.17
31	LI	201	PEB	CHB-C4B-NB	-4.57	122.48	128.83
31	L1	203	PEB	CHC-C1D-ND	-4.57	108.64	113.95
31	gF	203	PEB	CMB-C2B-C1B	4.57	132.10	125.06
31	L1	201	PEB	CMB-C2B-C1B	4.57	132.10	125.06
31	NA	201	PEB	CHB-C4B-NB	-4.57	122.49	128.83
31	P8	201	PEB	OA-C1A-NA	4.57	130.48	124.94
31	J1	201	PEB	CHC-C1D-ND	-4.57	108.64	113.95
31	I9	201	PEB	CHC-C1D-ND	-4.57	108.64	113.95
31	gF	201	PEB	CHA-C1B-NB	-4.57	115.37	124.93
31	RF	201	PEB	CHB-C4B-NB	-4.57	122.49	128.83
31	EI	202	PEB	C1C-CHB-C4B	4.57	134.27	128.81
31	SK	201	PEB	CHA-C1B-C2B	4.57	136.65	124.90
31	DK	202	PEB	C2A-C1A-NA	4.57	112.21	108.27
31	DE	1002	PEB	C4B-C3B-C2B	-4.57	101.72	106.78
31	TI	202	PEB	C1C-CHB-C4B	4.57	134.27	128.81
31	SC	202	PEB	CHC-C1D-ND	-4.57	108.64	113.95
31	P9	201	PEB	CHC-C1D-ND	-4.57	108.64	113.95
31	LK	201	PEB	CMB-C2B-C1B	4.57	132.10	125.06
31	R6	202	PEB	CHC-C1D-ND	-4.57	108.64	113.95
31	u8	201	PEB	CMB-C2B-C1B	4.57	132.10	125.06
33	73	1002	CYC	CHD-C4C-NC	4.57	130.63	125.20
33	L6	1001	CYC	OC-C1C-C2C	-4.57	122.54	126.17
31	S1	201	PEB	CHA-C1B-C2B	4.57	136.64	124.90
31	i4	202	PEB	CHA-C1B-NB	-4.57	115.38	124.93
31	T1	201	PEB	CHC-C4C-C3C	-4.57	122.55	130.34
31	W5	202	PEB	CHC-C1D-ND	-4.57	108.65	113.95
31	DG	202	PEB	CHB-C4B-NB	-4.56	122.50	128.83
31	KJ	202	PEB	C1C-CHB-C4B	-4.56	123.36	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OK	201	PEB	C3D-C4D-ND	4.56	116.22	107.26
33	HE	1001	CYC	C2B-C1B-NB	4.56	113.67	106.99
31	QH	203	PEB	CHC-C4C-C3C	-4.56	122.55	130.34
31	L5	202	PEB	CHB-C4B-NB	-4.56	122.50	128.83
31	AC	301	PEB	OA-C1A-C2A	-4.56	122.55	126.17
33	D6	1001	CYC	CAB-C3B-C4B	4.56	128.58	121.38
31	g8	201	PEB	CHA-C1B-NB	-4.56	115.39	124.93
33	J2	1001	CYC	CAB-C3B-C4B	4.56	128.58	121.38
31	cC	202	PEB	OA-C1A-C2A	-4.56	122.55	126.17
31	P6	202	PEB	CHB-C4B-NB	-4.56	122.50	128.83
33	HE	1001	CYC	OC-C1C-C2C	-4.56	122.55	126.17
31	X5	203	PEB	CHC-C1D-ND	-4.56	108.65	113.95
31	A9	201	PEB	CHC-C1D-ND	-4.56	108.65	113.95
31	R9	201	PEB	CHC-C1D-ND	-4.56	108.65	113.95
33	x3	1001	CYC	CAB-C3B-C4B	4.56	128.58	121.38
31	y8	301	PEB	CHB-C4B-NB	-4.56	122.50	128.83
31	RI	202	PEB	C1C-CHB-C4B	4.56	134.25	128.81
31	GA	201	PEB	OA-C1A-C2A	-4.56	122.55	126.17
31	W4	201	PEB	CHC-C4C-C3C	-4.56	122.56	130.34
31	cA	401	PEB	CHB-C4B-NB	-4.56	122.51	128.83
31	G8	203	PEB	OA-C1A-C2A	-4.56	122.55	126.17
31	NA	201	PEB	CMB-C2B-C1B	4.56	132.08	125.06
32	y8	302	PUB	CMD-C2D-C3D	4.56	134.61	127.77
33	LC	1003	CYC	CMA-C3A-C4A	4.56	132.08	125.06
31	CJ	202	PEB	CHC-C1D-ND	-4.56	108.66	113.95
31	T2	201	PEB	C1C-CHB-C4B	4.56	134.25	128.81
31	eC	201	PEB	OA-C1A-C2A	-4.56	122.55	126.17
33	V3	1001	CYC	CAB-C3B-C4B	4.55	128.57	121.38
31	bD	201	PEB	CHB-C4B-NB	-4.55	122.51	128.83
31	Y4	202	PEB	CHA-C1B-NB	-4.55	115.41	124.93
31	AI	202	PEB	C1C-CHB-C4B	4.55	134.25	128.81
31	gC	203	PEB	CHC-C1D-ND	-4.55	108.66	113.95
31	SH	201	PEB	C1C-CHB-C4B	-4.55	123.37	128.81
31	Y8	202	PEB	CHB-C4B-NB	-4.55	122.51	128.83
31	G8	201	PEB	C3D-C4D-ND	4.55	116.19	107.26
31	MH	202	PEB	CHC-C4C-C3C	-4.55	122.58	130.34
33	HD	1001	CYC	C2B-C1B-NB	4.55	113.65	106.99
33	H6	1001	CYC	CHB-C4A-NA	-4.55	115.42	124.93
31	C9	201	PEB	CHC-C1D-ND	-4.55	108.67	113.95
31	dF	201	PEB	CHC-C4C-C3C	-4.55	122.58	130.34
31	j2	201	PEB	CMB-C2B-C1B	4.55	132.07	125.06
31	aF	201	PEB	CHA-C1B-NB	-4.55	115.42	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	UB	201	PEB	C3D-C4D-ND	4.55	116.18	107.26
31	TK	202	PEB	C4B-C3B-C2B	-4.55	101.75	106.78
31	L9	203	PEB	CHB-C4B-NB	-4.55	122.52	128.83
33	D2	1003	CYC	C2B-C1B-NB	4.55	113.64	106.99
31	DD	1002	PEB	C4B-C3B-C2B	-4.55	101.75	106.78
31	Y8	203	PEB	C1C-CHB-C4B	4.55	134.24	128.81
31	jH	202	PEB	CHB-C4B-NB	-4.55	122.52	128.83
31	MK	201	PEB	OA-C1A-C2A	-4.55	122.56	126.17
31	A2	301	PEB	OA-C1A-C2A	-4.55	122.56	126.17
31	GI	202	PEB	C1C-CHB-C4B	4.54	134.24	128.81
31	TK	201	PEB	CHC-C4C-C3C	-4.54	122.59	130.34
31	KI	202	PEB	C1C-CHB-C4B	4.54	134.24	128.81
31	VB	201	PEB	CMB-C2B-C1B	4.54	132.06	125.06
31	mH	202	PEB	OA-C1A-C2A	-4.54	122.56	126.17
31	O7	202	PEB	C1C-CHB-C4B	4.54	134.23	128.81
31	Y6	202	PEB	CHB-C4B-NB	-4.54	122.53	128.83
31	b8	202	PEB	CHC-C1D-ND	4.54	119.22	113.95
31	OK	201	PEB	CHA-C1B-C2B	4.54	136.57	124.90
31	D5	203	PEB	OA-C1A-C2A	-4.54	122.56	126.17
31	LJ	202	PEB	CHB-C4B-NB	-4.54	122.53	128.83
31	O1	201	PEB	CHA-C1B-C2B	4.54	136.57	124.90
31	h2	201	PEB	CHC-C1D-ND	-4.54	108.68	113.95
31	Z4	201	PEB	CMB-C2B-C1B	4.54	132.05	125.06
31	kD	201	PEB	CHC-C4C-C3C	-4.54	122.60	130.34
31	SB	202	PEB	C3B-C4B-NB	4.54	116.65	110.05
31	aA	201	PEB	CHC-C1D-ND	-4.54	108.68	113.95
33	DD	1001	CYC	C1B-NB-C4B	-4.54	104.89	110.67
31	TA	201	PEB	CMB-C2B-C3B	-4.54	113.80	126.12
31	N4	201	PEB	CHC-C1D-ND	4.54	119.21	113.95
31	NI	202	PEB	C1C-CHB-C4B	4.53	134.23	128.81
32	yF	302	PUB	CHC-C1D-ND	-4.53	107.99	113.72
31	B9	201	PEB	C3B-C4B-NB	4.53	116.64	110.05
33	HB	1001	CYC	CHB-C4A-NA	-4.53	115.45	124.93
33	JC	1001	CYC	CAB-C3B-C4B	4.53	128.54	121.38
31	G8	201	PEB	CMA-C2A-C1A	-4.53	102.63	112.40
31	NA	203	PEB	CMB-C2B-C1B	4.53	132.04	125.06
31	gA	203	PEB	CHA-C1B-NB	-4.53	115.45	124.93
31	FG	201	PEB	C4B-C3B-C2B	-4.53	101.77	106.78
31	N2	1002	PEB	C4B-C3B-C2B	-4.53	101.77	106.78
31	Y4	202	PEB	CHC-C4C-C3C	-4.53	122.61	130.34
31	UD	203	PEB	C1C-CHB-C4B	-4.53	123.40	128.81
31	q8	202	PEB	CHA-C1B-C2B	4.53	136.54	124.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	I2	201	CYC	CMA-C3A-C4A	4.53	132.03	125.06
31	dA	202	PEB	OA-C1A-C2A	-4.53	122.58	126.17
31	C5	202	PEB	CMB-C2B-C1B	4.52	132.03	125.06
32	QH	202	PUB	CHA-C4A-NA	-4.52	108.69	113.95
31	iH	202	PEB	CBC-CAC-C2C	-4.52	104.90	112.62
31	t8	203	PEB	OA-C1A-C2A	-4.52	122.58	126.17
31	cD	201	PEB	OA-C1A-C2A	-4.52	122.58	126.17
31	O6	201	PEB	C3B-C4B-NB	4.52	116.63	110.05
31	N9	201	PEB	CHC-C1D-ND	-4.52	108.69	113.95
31	h4	203	PEB	CHC-C4C-C3C	-4.52	122.62	130.34
31	ND	201	PEB	C2A-C1A-NA	4.52	112.17	108.27
31	TD	201	PEB	OA-C1A-C2A	-4.52	122.58	126.17
31	k2	202	PEB	OA-C1A-C2A	-4.52	122.58	126.17
31	SF	203	PEB	CMB-C2B-C1B	4.52	132.03	125.06
31	T6	203	PEB	CHC-C4C-C3C	-4.52	122.63	130.34
31	LK	203	PEB	CHC-C1D-ND	-4.52	108.70	113.95
31	dD	202	PEB	C1C-CHB-C4B	-4.52	123.41	128.81
31	JK	201	PEB	CHC-C1D-ND	-4.52	108.70	113.95
31	qF	202	PEB	CHA-C1B-C2B	4.52	136.52	124.90
33	BD	1001	CYC	CHB-C4A-NA	-4.52	115.48	124.93
31	UE	201	PEB	OA-C1A-C2A	-4.52	122.58	126.17
33	BE	1001	CYC	C2C-C1C-NC	4.52	112.17	108.27
31	EJ	202	PEB	CHC-C1D-ND	-4.52	108.70	113.95
31	B7	201	PEB	CHC-C1D-ND	-4.52	108.70	113.95
31	GF	203	PEB	OA-C1A-C2A	-4.52	122.58	126.17
31	yF	301	PEB	OA-C1A-C2A	-4.52	122.58	126.17
33	JB	1001	CYC	CHB-C4A-C3A	4.52	136.51	124.90
31	LG	202	PEB	CHC-C1D-ND	-4.52	108.70	113.95
31	AK	201	PEB	CHC-C4C-C3C	-4.51	122.64	130.34
31	JA	201	PEB	CMB-C2B-C3B	-4.51	113.86	126.12
31	IA	202	PEB	CHC-C4C-C3C	-4.51	122.64	130.34
31	FI	203	PEB	CMB-C2B-C1B	4.51	132.01	125.06
31	LK	201	PEB	CHA-C1B-NB	-4.51	115.49	124.93
31	M1	201	PEB	OA-C1A-C2A	-4.51	122.58	126.17
33	BE	1001	CYC	CHB-C4A-NA	-4.51	115.49	124.93
31	jE	201	PEB	OA-C1A-C2A	-4.51	122.59	126.17
33	JB	1001	CYC	CAB-C3B-C4B	4.51	128.50	121.38
31	W8	201	PEB	C1C-CHB-C4B	4.51	134.20	128.81
31	X7	202	PEB	CMB-C2B-C1B	4.51	132.01	125.06
31	YB	202	PEB	CHB-C4B-NB	-4.51	122.57	128.83
31	b2	202	PEB	CHA-C1B-NB	-4.51	115.50	124.93
31	VF	201	PEB	CHC-C4C-C3C	-4.51	122.65	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	LC	1002	PEB	CHA-C1B-NB	-4.51	115.50	124.93
31	VB	201	PEB	OA-C1A-C2A	-4.51	122.59	126.17
33	J6	1001	CYC	CAB-C3B-C4B	4.51	128.50	121.38
31	GF	201	PEB	C3D-C4D-ND	4.51	116.10	107.26
31	V6	201	PEB	OA-C1A-C2A	-4.51	122.59	126.17
31	D5	201	PEB	CHB-C4B-NB	-4.51	122.58	128.83
31	J1	203	PEB	C4B-C3B-C2B	-4.51	101.80	106.78
31	SI	203	PEB	C1C-CHB-C4B	-4.51	123.43	128.81
31	eF	201	PEB	CHB-C4B-NB	-4.50	122.58	128.83
33	M6	1001	CYC	C2B-C1B-NB	4.50	113.58	106.99
31	XH	202	PEB	CHC-C1D-ND	-4.50	108.72	113.95
31	r8	201	PEB	CHC-C4C-C3C	-4.50	122.65	130.34
31	S2	202	PEB	CHC-C1D-ND	-4.50	108.72	113.95
31	YF	203	PEB	C1C-CHB-C4B	4.50	134.19	128.81
31	rF	201	PEB	CHC-C4C-C3C	-4.50	122.66	130.34
31	GF	201	PEB	CMA-C2A-C1A	-4.50	102.70	112.40
31	JH	201	PEB	CHA-C1B-NB	-4.50	115.51	124.93
31	JH	201	PEB	C1C-CHB-C4B	-4.50	123.43	128.81
31	bA	201	PEB	CMB-C2B-C1B	4.50	132.00	125.06
31	GK	201	PEB	C3D-C4D-ND	4.50	116.09	107.26
31	WI	203	PEB	OA-C1A-C2A	-4.50	122.59	126.17
31	Q1	201	PEB	C3D-C4D-ND	4.50	116.09	107.26
31	TB	203	PEB	CHC-C4C-C3C	-4.50	122.66	130.34
31	X5	203	PEB	OA-C1A-C2A	-4.50	122.59	126.17
31	FJ	203	PEB	C2A-C1A-NA	4.50	112.15	108.27
31	JK	202	PEB	C2A-C1A-NA	4.50	112.15	108.27
31	V7	202	PEB	OA-C1A-C2A	-4.50	122.60	126.17
31	NK	203	PEB	OA-C1A-C2A	-4.50	122.60	126.17
33	S3	1001	CYC	CHB-C4A-C3A	4.50	136.47	124.90
31	J5	201	PEB	CHB-C4B-NB	-4.50	122.59	128.83
31	BA	203	PEB	C2A-C1A-NA	4.50	112.15	108.27
31	XK	202	PEB	C2A-C1A-NA	4.50	112.15	108.27
31	WI	202	PEB	CAB-C3B-C4B	4.50	132.96	125.01
31	H5	203	PEB	CHB-C4B-NB	-4.49	122.59	128.83
31	M8	203	PEB	CHB-C4B-NB	-4.49	122.59	128.83
31	L1	201	PEB	CHA-C1B-NB	-4.49	115.53	124.93
31	W4	203	PEB	CMB-C2B-C1B	4.49	131.99	125.06
31	E7	203	PEB	CHC-C1D-ND	-4.49	108.73	113.95
31	W7	201	PEB	CHC-C4C-C3C	4.49	138.00	130.34
31	A1	201	PEB	CHC-C4C-C3C	-4.49	122.67	130.34
31	W1	201	PEB	C3D-C4D-ND	4.49	116.07	107.26
31	BG	203	PEB	CHB-C4B-NB	-4.49	122.59	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fA	301	PEB	CHB-C4B-NB	-4.49	122.59	128.83
32	yF	302	PUB	CMD-C2D-C3D	4.49	134.51	127.77
31	m2	201	PEB	CMB-C2B-C1B	4.49	131.98	125.06
31	L2	1002	PEB	CHA-C1B-NB	-4.49	115.54	124.93
31	QC	201	PEB	CHC-C1D-ND	-4.49	108.73	113.95
31	V2	203	PEB	CHC-C1D-ND	-4.49	108.73	113.95
31	UE	203	PEB	C1C-CHB-C4B	-4.49	123.44	128.81
31	WF	201	PEB	C1C-CHB-C4B	4.49	134.17	128.81
31	M7	203	PEB	CHC-C4C-C3C	4.49	137.99	130.34
33	CE	1001	CYC	C4D-CHA-C1A	4.49	134.17	128.81
33	M3	1001	CYC	CHB-C4A-C3A	4.49	136.44	124.90
31	N4	202	PEB	CMB-C2B-C1B	4.49	131.98	125.06
31	H9	201	PEB	OA-C1A-C2A	-4.49	122.60	126.17
31	VJ	203	PEB	CHC-C1D-ND	-4.49	108.73	113.95
31	XJ	203	PEB	CHC-C1D-ND	-4.49	108.73	113.95
31	XJ	203	PEB	CHB-C4B-NB	-4.49	122.60	128.83
31	W1	202	PEB	OA-C1A-C2A	-4.49	122.61	126.17
33	63	901	CYC	CHD-C4C-NC	4.49	130.54	125.20
31	V6	201	PEB	CMB-C2B-C1B	4.49	131.97	125.06
31	FA	201	PEB	CHB-C4B-NB	-4.49	122.61	128.83
31	dC	202	PEB	CHB-C4B-NB	-4.49	122.61	128.83
31	QG	201	PEB	OA-C1A-C2A	-4.48	122.61	126.17
31	AH	301	PEB	CHC-C4C-C3C	-4.48	122.69	130.34
31	hA	301	PEB	CHB-C4B-NB	-4.48	122.61	128.83
33	H3	1001	CYC	CHB-C4A-C3A	4.48	136.43	124.90
31	KH	203	PEB	CHA-C1B-NB	-4.48	115.55	124.93
31	mH	202	PEB	CHA-C1B-NB	-4.48	115.56	124.93
33	o3	1001	CYC	CHB-C4A-C3A	4.48	136.43	124.90
31	yF	301	PEB	CHB-C4B-NB	-4.48	122.61	128.83
31	Q2	201	PEB	CHC-C1D-ND	-4.48	108.74	113.95
31	d4	203	PEB	CHC-C4C-C3C	-4.48	122.69	130.34
31	YG	202	PEB	OA-C1A-C2A	-4.48	122.61	126.17
33	CE	1001	CYC	OC-C1C-C2C	-4.48	122.61	126.17
31	HI	201	PEB	C4B-C3B-C2B	-4.48	101.82	106.78
33	u3	1001	CYC	CHB-C4A-C3A	4.48	136.42	124.90
33	d3	1001	CYC	CHB-C4A-C3A	4.48	136.42	124.90
33	h3	1001	CYC	CHB-C4A-C3A	4.48	136.42	124.90
33	w3	1001	CYC	CHB-C4A-C3A	4.48	136.42	124.90
31	E5	201	PEB	OA-C1A-C2A	-4.48	122.61	126.17
31	gH	201	PEB	OA-C1A-C2A	-4.48	122.61	126.17
33	O3	1001	CYC	CHB-C4A-C3A	4.48	136.42	124.90
31	LH	202	PEB	CMB-C2B-C1B	4.48	131.96	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	BH	302	PUB	CMA-C2A-C1A	4.48	131.92	121.39
33	L3	1001	CYC	CHB-C4A-C3A	4.48	136.42	124.90
31	MF	203	PEB	CHB-C4B-NB	-4.48	122.62	128.83
31	lE	201	PEB	CHB-C4B-NB	-4.48	122.62	128.83
31	V4	201	PEB	OA-C1A-C2A	-4.48	122.61	126.17
31	C8	201	PEB	OA-C1A-C2A	-4.48	122.61	126.17
31	AD	301	PEB	CHC-C1D-ND	-4.48	108.75	113.95
33	Q3	1001	CYC	CHB-C4A-C3A	4.48	136.41	124.90
33	q3	1001	CYC	CHB-C4A-C3A	4.48	136.41	124.90
33	73	1001	CYC	CHB-C4A-C3A	4.48	136.41	124.90
31	VC	203	PEB	CHC-C1D-ND	-4.47	108.75	113.95
31	dA	201	PEB	CHB-C4B-NB	-4.47	122.62	128.83
31	O7	202	PEB	CMB-C2B-C1B	4.47	131.95	125.06
31	YD	201	PEB	CHA-C1B-NB	-4.47	115.57	124.93
32	A4	303	PUB	CMA-C2A-C1A	4.47	131.91	121.39
31	WE	202	PEB	OA-C1A-C2A	-4.47	122.62	126.17
33	D3	1001	CYC	CHB-C4A-C3A	4.47	136.40	124.90
31	A4	301	PEB	C1C-CHB-C4B	-4.47	123.47	128.81
31	I4	203	PEB	C1C-CHB-C4B	-4.47	123.47	128.81
33	I3	1001	CYC	CHB-C4A-C3A	4.47	136.40	124.90
33	MB	1001	CYC	C2B-C1B-NB	4.47	113.53	106.99
31	DA	202	PEB	OA-C1A-C2A	-4.47	122.62	126.17
31	jC	201	PEB	CMB-C2B-C1B	4.47	131.95	125.06
31	X1	202	PEB	C2A-C1A-NA	4.47	112.13	108.27
31	X4	201	PEB	C1C-CHB-C4B	-4.47	123.47	128.81
31	QB	201	PEB	C3D-C4D-ND	4.47	116.03	107.26
33	j3	1001	CYC	CHB-C4A-C3A	4.47	136.39	124.90
31	D7	201	PEB	CHC-C1D-ND	-4.47	108.76	113.95
33	F3	1001	CYC	CHB-C4A-C3A	4.47	136.39	124.90
31	K7	201	PEB	CHC-C1D-ND	-4.47	108.76	113.95
31	d2	202	PEB	CHB-C4B-NB	-4.47	122.63	128.83
31	A2	302	PEB	CHB-C4B-NB	-4.47	122.63	128.83
31	dC	201	PEB	OA-C1A-C2A	-4.47	122.62	126.17
31	S8	203	PEB	CMB-C2B-C1B	4.47	131.94	125.06
31	V2	201	PEB	CHA-C1B-NB	-4.47	115.59	124.93
31	CH	201	PEB	CHC-C4C-C3C	-4.47	122.72	130.34
31	A7	203	PEB	CHC-C4C-C3C	4.47	137.95	130.34
31	DJ	201	PEB	OA-C1A-C2A	-4.47	122.62	126.17
33	J6	1001	CYC	CHB-C4A-C3A	4.47	136.38	124.90
31	D2	1002	PEB	CHA-C1B-NB	-4.47	115.59	124.93
31	h4	203	PEB	CHB-C4B-NB	-4.47	122.63	128.83
31	SI	202	PEB	CHB-C4B-NB	-4.46	122.63	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	k3	1001	CYC	CHB-C4A-C3A	4.46	136.38	124.90
33	B3	1001	CYC	CHB-C4A-C3A	4.46	136.38	124.90
33	f3	1001	CYC	CHB-C4A-C3A	4.46	136.38	124.90
31	WD	202	PEB	C3D-C4D-ND	4.46	116.02	107.26
31	Y7	501	PEB	OA-C1A-C2A	-4.46	122.62	126.17
33	DC	1003	CYC	OC-C1C-C2C	-4.46	122.62	126.17
33	F6	1001	CYC	C1B-NB-C4B	-4.46	104.99	110.67
31	d8	201	PEB	CHC-C4C-C3C	-4.46	122.73	130.34
31	GF	202	PEB	CHC-C1D-ND	-4.46	108.77	113.95
31	QE	201	PEB	C4B-C3B-C2B	-4.46	101.84	106.78
33	FB	1001	CYC	OC-C1C-C2C	-4.46	122.63	126.17
31	Q9	201	PEB	CHB-C4B-NB	-4.46	122.64	128.83
31	AE	301	PEB	CHC-C1D-ND	-4.46	108.77	113.95
31	dE	202	PEB	C1C-CHB-C4B	-4.46	123.48	128.81
31	J1	202	PEB	C2A-C1A-NA	4.46	112.12	108.27
31	bC	202	PEB	CHA-C1B-NB	-4.46	115.61	124.93
31	d2	201	PEB	CHB-C4B-NB	-4.46	122.64	128.83
31	Q2	203	PEB	CMB-C2B-C1B	4.46	131.93	125.06
31	Q9	202	PEB	C4B-C3B-C2B	-4.46	101.85	106.78
31	A8	201	PEB	CHA-C1B-NB	-4.46	115.61	124.93
31	l6	201	PEB	CMB-C2B-C1B	4.46	131.93	125.06
31	KG	201	PEB	C1B-C2B-C3B	-4.46	101.39	106.51
31	NC	1002	PEB	C4B-C3B-C2B	-4.46	101.85	106.78
31	JI	203	PEB	CHC-C1D-ND	-4.46	108.77	113.95
31	W4	203	PEB	CHC-C1D-ND	-4.46	108.77	113.95
31	DC	1002	PEB	CHA-C1B-NB	-4.46	115.61	124.93
31	o8	201	PEB	CHA-C1B-NB	-4.46	115.61	124.93
31	SC	201	PEB	CMB-C2B-C1B	4.46	131.93	125.06
31	DJ	201	PEB	CHB-C4B-NB	-4.46	122.65	128.83
31	M5	201	PEB	CMB-C2B-C1B	4.45	131.92	125.06
31	Q7	201	PEB	CMB-C2B-C1B	4.45	131.92	125.06
31	WK	202	PEB	OA-C1A-C2A	-4.45	122.63	126.17
31	WK	201	PEB	C3D-C4D-ND	4.45	116.00	107.26
33	n3	1001	CYC	CHB-C4A-C3A	4.45	136.35	124.90
31	cH	201	PEB	CHC-C1D-ND	4.45	119.12	113.95
33	U3	1001	CYC	CHB-C4A-C3A	4.45	136.35	124.90
32	xF	305	PUB	C4B-CHB-C1C	-4.45	123.49	128.81
31	AC	302	PEB	CHB-C4B-NB	-4.45	122.65	128.83
31	JJ	201	PEB	CHB-C4B-NB	-4.45	122.65	128.83
32	NJ	201	PUB	CMA-C2A-C1A	4.45	131.86	121.39
33	L6	1001	CYC	CHB-C4A-C3A	4.45	136.35	124.90
32	AH	303	PUB	CMA-C2A-C1A	4.45	131.86	121.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	mC	201	PEB	CMB-C2B-C1B	4.45	131.92	125.06
31	VF	202	PEB	OA-C1A-C2A	-4.45	122.64	126.17
31	O7	203	PEB	OA-C1A-C2A	-4.45	122.64	126.17
31	dH	202	PEB	CBC-CAC-C2C	4.45	120.21	112.62
31	X5	203	PEB	CHB-C4B-NB	-4.45	122.66	128.83
31	A1	201	PEB	CAB-C3B-C4B	4.45	132.88	125.01
31	dC	203	PEB	CHC-C1D-ND	-4.45	108.78	113.95
31	IF	203	PEB	C4B-C3B-C2B	-4.45	101.86	106.78
31	RG	203	PEB	C1B-C2B-C3B	-4.45	101.40	106.51
31	QK	201	PEB	C3D-C4D-ND	4.44	115.97	107.26
31	G1	201	PEB	C3D-C4D-ND	4.44	115.97	107.26
31	MJ	201	PEB	CMB-C2B-C1B	4.44	131.90	125.06
31	l4	202	PEB	CHC-C4C-C3C	-4.44	122.76	130.34
31	CH	203	PEB	CHC-C1D-ND	-4.44	108.79	113.95
31	d2	203	PEB	CHC-C1D-ND	-4.44	108.79	113.95
31	GH	201	PEB	CHA-C1B-NB	-4.44	115.64	124.93
33	FD	202	CYC	C4D-CHA-C1A	4.44	134.11	128.81
31	lF	201	PEB	C2A-C1A-NA	4.44	112.10	108.27
31	O4	202	PEB	CMC-C3C-C2C	4.44	133.31	124.94
31	WH	203	PEB	OA-C1A-C2A	-4.44	122.64	126.17
32	N5	201	PUB	CMA-C2A-C1A	4.44	131.82	121.39
31	ZF	202	PEB	OA-C1A-C2A	-4.44	122.65	126.17
31	RH	202	PEB	CMB-C2B-C1B	4.43	131.89	125.06
31	WH	203	PEB	CHC-C1D-ND	-4.43	108.80	113.95
31	YE	201	PEB	CHA-C1B-NB	-4.43	115.66	124.93
31	A4	302	PEB	CHC-C1D-ND	-4.43	108.80	113.95
31	HG	203	PEB	C1B-C2B-C3B	-4.43	101.42	106.51
31	WA	401	PEB	OA-C1A-C2A	-4.43	122.65	126.17
31	U4	201	PEB	OA-C1A-C2A	-4.43	122.65	126.17
31	O9	202	PEB	OA-C1A-C2A	-4.43	122.65	126.17
33	FD	202	CYC	OC-C1C-C2C	-4.43	122.65	126.17
31	L8	202	PEB	C3D-C4D-ND	4.43	115.95	107.26
31	dC	201	PEB	CHB-C4B-NB	-4.43	122.68	128.83
33	LB	1001	CYC	CHB-C4A-C3A	4.43	136.29	124.90
31	R4	201	PEB	CHA-C1B-NB	-4.43	115.67	124.93
31	N1	201	PEB	CMB-C2B-C1B	4.43	131.89	125.06
31	d2	201	PEB	OA-C1A-C2A	-4.43	122.65	126.17
31	QC	203	PEB	CMB-C2B-C1B	4.43	131.88	125.06
31	KA	301	PEB	CHB-C4B-NB	-4.43	122.68	128.83
31	IJ	201	PEB	CAB-C3B-C4B	4.43	132.85	125.01
31	J9	201	PEB	CAA-C3A-C2A	-4.43	103.19	114.26
31	AK	201	PEB	CAB-C3B-C4B	4.43	132.84	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	HJ	203	PEB	CHB-C4B-NB	-4.43	122.69	128.83
31	JK	203	PEB	C4B-C3B-C2B	-4.43	101.88	106.78
33	M2	201	CYC	OC-C1C-C2C	-4.43	122.65	126.17
32	wF	304	PUB	CMA-C2A-C1A	4.43	131.80	121.39
31	MF	202	PEB	CHB-C4B-NB	-4.43	122.69	128.83
31	I5	201	PEB	CAB-C3B-C4B	4.43	132.84	125.01
31	Q6	201	PEB	C3D-C4D-ND	4.42	115.94	107.26
31	K7	201	PEB	CHB-C4B-NB	-4.42	122.69	128.83
31	R4	201	PEB	CHB-C4B-NB	-4.42	122.69	128.83
31	NK	201	PEB	CMB-C2B-C1B	4.42	131.88	125.06
31	NA	202	PEB	OA-C1A-C2A	-4.42	122.66	126.17
31	FJ	203	PEB	OA-C1A-C2A	-4.42	122.66	126.17
31	LF	202	PEB	C3D-C4D-ND	4.42	115.94	107.26
31	C7	202	PEB	CHA-C1B-NB	-4.42	115.68	124.93
31	MA	202	PEB	CHC-C1D-ND	-4.42	108.81	113.95
31	XH	202	PEB	CMB-C2B-C1B	4.42	131.87	125.06
31	l2	201	PEB	CHB-C4B-NB	-4.42	122.69	128.83
31	lF	201	PEB	C4B-C3B-C2B	-4.42	101.89	106.78
31	j4	202	PEB	CHC-C4C-C3C	-4.42	122.80	130.34
33	M2	201	CYC	OB-C4B-C3B	-4.42	123.24	128.04
31	ZI	301	PEB	C3B-C4B-NB	4.42	116.48	110.05
31	OH	203	PEB	CHB-C4B-NB	-4.42	122.70	128.83
31	M4	203	PEB	OA-C1A-C2A	-4.42	122.66	126.17
31	jD	201	PEB	OA-C1A-C2A	-4.42	122.66	126.17
31	oF	201	PEB	CHA-C1B-NB	-4.42	115.69	124.93
31	j8	201	PEB	C2A-C1A-NA	4.42	112.08	108.27
33	ID	1001	CYC	C2C-C1C-NC	4.42	112.08	108.27
31	fD	201	PEB	CHC-C4C-C3C	-4.42	122.81	130.34
31	gF	203	PEB	C1C-CHB-C4B	4.42	134.08	128.81
31	UD	201	PEB	OA-C1A-C2A	-4.42	122.66	126.17
31	WE	201	PEB	C3D-C4D-ND	4.42	115.92	107.26
31	G8	202	PEB	CHC-C1D-ND	-4.42	108.82	113.95
31	CF	201	PEB	CHC-C1D-ND	-4.41	108.82	113.95
33	IE	1001	CYC	C2C-C1C-NC	4.41	112.08	108.27
31	V8	202	PEB	OA-C1A-C2A	-4.41	122.66	126.17
31	RE	201	PEB	CMB-C2B-C1B	4.41	131.86	125.06
31	Z4	202	PEB	CHC-C1D-ND	-4.41	108.82	113.95
31	E7	203	PEB	CHC-C4C-C3C	4.41	137.86	130.34
31	YH	202	PEB	CHA-C1B-NB	-4.41	115.70	124.93
31	j2	202	PEB	CHA-C1B-NB	-4.41	115.70	124.93
33	JC	1003	CYC	OB-C4B-C3B	-4.41	123.25	128.04
31	Y7	504	PEB	OA-C1A-C2A	-4.41	122.67	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	L9	203	PEB	OA-C1A-C2A	-4.41	122.67	126.17
31	VC	201	PEB	CHA-C1B-NB	-4.41	115.70	124.93
31	a6	203	PEB	C4B-C3B-C2B	-4.41	101.90	106.78
31	LJ	203	PEB	C1C-CHB-C4B	4.41	134.08	128.81
31	HB	1002	PEB	OA-C1A-C2A	-4.41	122.67	126.17
31	TJ	202	PEB	OA-C1A-C2A	-4.41	122.67	126.17
31	CF	201	PEB	OA-C1A-C2A	-4.41	122.67	126.17
31	L2	1002	PEB	C2A-C1A-NA	4.41	112.07	108.27
31	OG	203	PEB	CHB-C4B-NB	-4.41	122.71	128.83
31	AF	201	PEB	CHA-C1B-NB	-4.41	115.72	124.93
31	e8	201	PEB	CHB-C4B-NB	-4.41	122.72	128.83
31	T7	201	PEB	CHC-C1D-ND	-4.41	108.83	113.95
31	J7	201	PEB	OA-C1A-C2A	-4.41	122.67	126.17
31	G7	202	PEB	CHC-C4C-C3C	-4.41	122.82	130.34
31	U7	202	PEB	CHC-C4C-C3C	-4.41	122.82	130.34
31	LI	201	PEB	C4B-C3B-C2B	-4.40	101.91	106.78
31	M8	202	PEB	CHB-C4B-NB	-4.40	122.72	128.83
33	N2	1001	CYC	OB-C4B-C3B	-4.40	123.26	128.04
31	R4	202	PEB	CMB-C2B-C1B	4.40	131.85	125.06
33	F6	1001	CYC	OC-C1C-C2C	-4.40	122.67	126.17
31	N9	201	PEB	CHA-C1B-NB	-4.40	115.72	124.93
31	U2	201	PEB	CMB-C2B-C1B	4.40	131.84	125.06
32	x8	305	PUB	C4B-CHB-C1C	-4.40	123.55	128.81
31	QD	201	PEB	C4B-C3B-C2B	-4.40	101.91	106.78
31	n8	201	PEB	OA-C1A-NA	4.40	130.27	124.94
31	b2	202	PEB	CHC-C1D-ND	-4.40	108.84	113.95
31	hC	201	PEB	CHA-C1B-NB	-4.40	115.73	124.93
31	VJ	203	PEB	CHA-C1B-NB	-4.40	115.73	124.93
31	O7	202	PEB	CHC-C4C-C3C	-4.40	122.83	130.34
31	I8	203	PEB	C4B-C3B-C2B	-4.40	101.91	106.78
31	R7	201	PEB	CHB-C4B-NB	-4.40	122.72	128.83
32	AB	303	PUB	CHB-C1C-NC	-4.40	122.72	128.83
32	A6	303	PUB	CHB-C1C-NC	-4.40	122.72	128.83
31	lB	201	PEB	CMB-C2B-C1B	4.40	131.84	125.06
31	RC	202	PEB	OA-C1A-C2A	-4.40	122.67	126.17
31	A9	201	PEB	CHA-C1B-NB	-4.40	115.73	124.93
33	FB	1001	CYC	C1B-NB-C4B	-4.40	105.07	110.67
31	BA	202	PEB	CHC-C4C-C3C	-4.40	122.83	130.34
31	MH	202	PEB	C3D-C4D-ND	4.40	115.89	107.26
31	B9	201	PEB	CHB-C4B-NB	-4.40	122.72	128.83
32	w8	304	PUB	CMA-C2A-C1A	4.40	131.74	121.39
31	V9	201	PEB	CHA-C1B-NB	-4.40	115.73	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I4	202	PEB	CHC-C4C-C3C	-4.40	122.83	130.34
31	j6	202	PEB	CHB-C4B-NB	-4.40	122.73	128.83
31	C5	202	PEB	CHC-C1D-ND	-4.40	108.84	113.95
31	K9	201	PEB	CHA-C1B-NB	-4.40	115.73	124.93
32	M9	304	PUB	CAC-CBC-CGC	-4.40	104.14	113.60
31	NE	201	PEB	C2A-C1A-NA	4.40	112.06	108.27
31	S2	201	PEB	CMB-C2B-C1B	4.40	131.84	125.06
33	GE	201	CYC	CMA-C3A-C4A	4.40	131.84	125.06
31	E9	201	PEB	CHA-C1B-NB	-4.40	115.73	124.93
31	UC	201	PEB	CMB-C2B-C1B	4.40	131.84	125.06
31	c6	202	PEB	CHB-C4B-NB	-4.40	122.73	128.83
31	R1	201	PEB	CMB-C2B-C1B	4.40	131.83	125.06
31	nF	201	PEB	OA-C1A-NA	4.40	130.27	124.94
31	jC	202	PEB	CHA-C1B-NB	-4.40	115.74	124.93
31	N1	203	PEB	OA-C1A-C2A	-4.39	122.68	126.17
31	Y9	202	PEB	OA-C1A-C2A	-4.39	122.68	126.17
31	RK	201	PEB	CMB-C2B-C1B	4.39	131.83	125.06
33	NC	1001	CYC	CMA-C3A-C4A	4.39	131.83	125.06
31	I1	202	PEB	CHC-C4C-C3C	-4.39	122.84	130.34
31	iF	201	PEB	CHB-C4B-NB	-4.39	122.73	128.83
31	QA	203	PEB	OA-C1A-C2A	-4.39	122.68	126.17
33	JC	1003	CYC	OC-C1C-C2C	-4.39	122.68	126.17
31	KA	302	PEB	C3D-C4D-ND	4.39	115.88	107.26
31	h8	201	PEB	CHB-C4B-NB	-4.39	122.73	128.83
31	W9	201	PEB	C3B-C4B-NB	4.39	116.44	110.05
31	C9	201	PEB	CHA-C1B-NB	-4.39	115.75	124.93
31	KD	201	PEB	OA-C1A-C2A	-4.39	122.68	126.17
31	JF	202	PEB	OA-C1A-C2A	-4.39	122.68	126.17
31	ZA	203	PEB	CHB-C4B-NB	-4.39	122.74	128.83
31	KJ	201	PEB	CHC-C1D-ND	-4.39	108.85	113.95
31	JG	201	PEB	C4B-C3B-C2B	-4.39	101.92	106.78
31	SG	201	PEB	C4B-C3B-C2B	-4.39	101.92	106.78
31	MI	302	PEB	C3B-C4B-NB	4.39	116.44	110.05
31	N7	201	PEB	CHC-C1D-ND	-4.39	108.85	113.95
31	IK	202	PEB	CHC-C4C-C3C	-4.39	122.85	130.34
32	AJ	303	PUB	CHB-C1C-NC	-4.39	122.74	128.83
31	aA	201	PEB	CHC-C4C-C3C	-4.39	122.85	130.34
33	N2	1001	CYC	CMA-C3A-C4A	4.39	131.82	125.06
33	FE	1001	CYC	C1B-NB-C4B	-4.39	105.08	110.67
31	K7	202	PEB	C3D-C4D-ND	4.39	115.87	107.26
31	G7	201	PEB	CHC-C4C-C3C	4.39	137.82	130.34
33	DD	1001	CYC	C4D-CHA-C1A	4.39	134.05	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	y3	1001	CYC	CMA-C3A-C4A	4.39	131.82	125.06
31	YH	202	PEB	CHB-C4B-NB	-4.39	122.74	128.83
31	P5	203	PEB	CHB-C4B-NB	-4.39	122.74	128.83
31	RD	201	PEB	CMB-C2B-C1B	4.39	131.82	125.06
31	L9	203	PEB	CHC-C1D-ND	-4.39	108.85	113.95
31	KA	303	PEB	OA-C1A-C2A	-4.39	122.69	126.17
31	T4	201	PEB	OA-C1A-C2A	-4.39	122.69	126.17
31	KH	201	PEB	CHA-C1B-NB	-4.38	115.76	124.93
31	VE	202	PEB	OA-C1A-C2A	-4.38	122.69	126.17
31	G9	201	PEB	CHA-C1B-NB	-4.38	115.77	124.93
31	Q4	201	PEB	CHC-C1D-ND	-4.38	108.86	113.95
31	V4	202	PEB	CHC-C1D-ND	-4.38	108.86	113.95
31	g8	203	PEB	C1C-CHB-C4B	4.38	134.04	128.81
33	L2	1001	CYC	CAB-C3B-C4B	4.38	128.30	121.38
31	Z9	302	PEB	CHA-C1B-NB	-4.38	115.77	124.93
31	A5	301	PEB	CHC-C1D-ND	-4.38	108.86	113.95
31	Q4	204	PEB	CHB-C4B-NB	-4.38	122.75	128.83
32	Z9	304	PUB	CAC-CBC-CGC	-4.38	104.17	113.60
31	WA	401	PEB	CHC-C4C-C3C	-4.38	122.86	130.34
31	FF	202	PEB	CHB-C4B-C3B	-4.38	115.20	125.32
31	I9	201	PEB	CHA-C1B-NB	-4.38	115.77	124.93
31	X9	201	PEB	CHA-C1B-NB	-4.38	115.77	124.93
31	H8	202	PEB	CHB-C4B-C3B	-4.38	115.20	125.32
31	hH	201	PEB	CHC-C1D-ND	-4.38	108.86	113.95
31	LH	201	PEB	CHC-C1D-ND	4.38	119.03	113.95
33	ID	1001	CYC	C4D-CHA-C1A	4.38	134.04	128.81
31	U4	203	PEB	OA-C1A-C2A	-4.38	122.69	126.17
31	M9	302	PEB	CHA-C1B-NB	-4.38	115.78	124.93
31	HF	202	PEB	CHB-C4B-C3B	-4.38	115.21	125.32
31	T9	201	PEB	CHA-C1B-NB	-4.38	115.78	124.93
31	N7	202	PEB	CHC-C1D-ND	-4.38	108.87	113.95
31	H8	202	PEB	CMB-C2B-C1B	4.38	131.80	125.06
31	QA	203	PEB	CHB-C4B-NB	-4.38	122.76	128.83
31	jH	201	PEB	CHC-C4C-C3C	-4.38	122.88	130.34
31	QD	202	PEB	CMB-C2B-C1B	4.37	131.80	125.06
31	V5	203	PEB	CHA-C1B-NB	-4.37	115.78	124.93
32	CI	203	PUB	OD-C4D-C3D	-4.37	123.29	128.04
31	H4	202	PEB	C4B-C3B-C2B	-4.37	101.94	106.78
31	HF	201	PEB	CHC-C1D-ND	-4.37	108.87	113.95
31	WG	202	PEB	OA-C1A-C2A	-4.37	122.70	126.17
31	rF	202	PEB	CMB-C2B-C1B	4.37	131.80	125.06
31	JK	203	PEB	OA-C1A-C2A	-4.37	122.70	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OH	203	PEB	CHC-C1D-ND	-4.37	108.87	113.95
32	AH	304	PUB	CHA-C4A-NA	-4.37	108.87	113.95
31	C4	201	PEB	CHB-C4B-NB	-4.37	122.76	128.83
31	VJ	201	PEB	C4B-C3B-C2B	-4.37	101.95	106.78
31	P9	201	PEB	CHA-C1B-NB	-4.37	115.79	124.93
31	R9	201	PEB	CHA-C1B-NB	-4.37	115.79	124.93
31	T5	202	PEB	OA-C1A-C2A	-4.37	122.70	126.17
31	y8	301	PEB	OA-C1A-C2A	-4.37	122.70	126.17
33	IE	1001	CYC	C4D-CHA-C1A	4.37	134.03	128.81
33	W3	1001	CYC	CMA-C3A-C4A	4.37	131.79	125.06
31	A6	301	PEB	CHB-C4B-NB	-4.37	122.77	128.83
31	J9	201	PEB	OA-C1A-C2A	-4.37	122.70	126.17
31	b8	201	PEB	CMB-C2B-C1B	4.37	131.79	125.06
31	LC	1002	PEB	C2A-C1A-NA	4.37	112.04	108.27
33	HE	1001	CYC	C1B-C2B-C3B	-4.37	103.31	107.87
31	D5	201	PEB	OA-C1A-C2A	-4.37	122.70	126.17
33	LC	1001	CYC	CAB-C3B-C4B	4.37	128.28	121.38
31	SA	201	PEB	CHB-C4B-NB	-4.37	122.77	128.83
31	WI	201	PEB	CHB-C4B-NB	-4.37	122.77	128.83
31	S6	202	PEB	C3D-C4D-ND	4.37	115.82	107.26
31	TH	201	PEB	OA-C1A-C2A	-4.37	122.70	126.17
31	jH	203	PEB	OA-C1A-C2A	-4.37	122.70	126.17
31	bC	202	PEB	CHC-C1D-ND	-4.37	108.88	113.95
31	OG	202	PEB	CHA-C1B-C2B	4.37	136.12	124.90
32	ZI	305	PUB	OD-C4D-C3D	-4.36	123.30	128.04
31	LC	1002	PEB	CHC-C4C-C3C	-4.36	122.89	130.34
33	D6	1001	CYC	CMA-C3A-C4A	4.36	131.78	125.06
31	JC	1002	PEB	CHB-C4B-NB	-4.36	122.77	128.83
31	XJ	203	PEB	OA-C1A-C2A	-4.36	122.70	126.17
31	QB	201	PEB	CHC-C4C-C3C	-4.36	122.90	130.34
31	S5	201	PEB	C4B-C3B-C2B	-4.36	101.95	106.78
31	A7	201	PEB	C3D-C4D-ND	4.36	115.82	107.26
31	m4	201	PEB	CMB-C2B-C1B	4.36	131.78	125.06
33	J6	1001	CYC	C1B-C2B-C3B	-4.36	103.32	107.87
31	FH	201	PEB	OD-C4D-ND	-4.36	119.47	125.93
33	J2	1001	CYC	OB-C4B-C3B	-4.36	123.31	128.04
31	SJ	201	PEB	C4B-C3B-C2B	-4.36	101.96	106.78
31	F2	1002	PEB	C2A-C1A-NA	4.36	112.03	108.27
32	AJ	303	PUB	CMA-C2A-C1A	4.36	131.64	121.39
31	HI	202	PEB	C1C-CHB-C4B	4.36	134.01	128.81
31	g2	201	PEB	C1C-CHB-C4B	4.36	134.01	128.81
31	l8	201	PEB	C4B-C3B-C2B	-4.36	101.96	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PJ	202	PEB	C1C-CHB-C4B	4.36	134.01	128.81
31	ZD	201	PEB	CHB-C4B-NB	-4.36	122.78	128.83
31	fE	201	PEB	CHC-C4C-C3C	-4.36	122.91	130.34
31	P1	203	PEB	C1C-CHB-C4B	4.36	134.01	128.81
33	GD	201	CYC	CMA-C3A-C4A	4.36	131.77	125.06
33	JC	1001	CYC	OB-C4B-C3B	-4.36	123.31	128.04
31	h2	202	PEB	CHA-C1B-NB	-4.36	115.82	124.93
31	f4	201	PEB	CHC-C4C-C3C	-4.36	122.91	130.34
31	KF	201	PEB	OA-C1A-C2A	-4.36	122.71	126.17
33	FD	201	CYC	OC-C1C-C2C	-4.36	122.71	126.17
31	SB	201	PEB	C3D-C4D-ND	4.36	115.80	107.26
32	B4	302	PUB	OD-C4D-C3D	-4.35	123.31	128.04
31	M9	301	PEB	CHC-C4C-C3C	-4.35	122.91	130.34
31	I5	202	PEB	CHC-C1D-ND	-4.35	108.89	113.95
31	K5	201	PEB	CHC-C1D-ND	-4.35	108.89	113.95
31	cF	203	PEB	C3D-C4D-ND	4.35	115.80	107.26
31	GA	202	PEB	CHB-C4B-NB	-4.35	122.79	128.83
31	X8	202	PEB	CHB-C4B-NB	-4.35	122.79	128.83
31	IG	201	PEB	CMB-C2B-C1B	4.35	131.77	125.06
31	c8	203	PEB	C3D-C4D-ND	4.35	115.80	107.26
31	MI	301	PEB	CHB-C4B-NB	-4.35	122.79	128.83
33	DC	1003	CYC	C1B-C2B-C3B	-4.35	103.33	107.87
31	tF	201	PEB	OA-C1A-NA	4.35	130.21	124.94
31	EH	202	PEB	CMB-C2B-C1B	4.35	131.76	125.06
31	H1	201	PEB	CHC-C4C-C3C	-4.35	122.92	130.34
31	Z9	301	PEB	CHC-C4C-C3C	-4.35	122.92	130.34
33	C2	1001	CYC	CHB-C4A-NA	-4.35	115.83	124.93
31	C8	201	PEB	CHC-C1D-ND	-4.35	108.89	113.95
31	MH	203	PEB	OA-C1A-C2A	-4.35	122.71	126.17
31	P6	201	PEB	CHC-C1D-ND	-4.35	108.90	113.95
31	M4	202	PEB	CHA-C1B-NB	-4.35	115.83	124.93
31	VG	203	PEB	C1B-C2B-C3B	-4.35	101.51	106.51
31	PJ	203	PEB	CHB-C4B-NB	-4.35	122.80	128.83
31	j4	203	PEB	OA-C1A-C2A	-4.35	122.72	126.17
31	VH	201	PEB	C3D-C4D-ND	4.35	115.79	107.26
31	QE	202	PEB	CMB-C2B-C1B	4.35	131.76	125.06
31	FI	201	PEB	C3B-C4B-NB	4.35	116.37	110.05
31	T8	202	PEB	CMB-C2B-C1B	4.35	131.76	125.06
31	M1	201	PEB	C3D-C4D-ND	4.35	115.79	107.26
31	J9	201	PEB	CHC-C1D-ND	-4.35	108.90	113.95
31	NK	201	PEB	CHB-C4B-NB	-4.35	122.80	128.83
31	b6	202	PEB	CHB-C4B-NB	-4.35	122.80	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	l4	202	PEB	CHA-C1B-NB	-4.35	115.84	124.93
31	l6	201	PEB	C3B-C4B-NB	4.35	116.37	110.05
31	IF	203	PEB	C3D-C4D-ND	4.35	115.78	107.26
31	FC	1002	PEB	C2A-C1A-NA	4.35	112.02	108.27
31	J8	202	PEB	OA-C1A-C2A	-4.35	122.72	126.17
31	dF	202	PEB	OA-C1A-C2A	-4.35	122.72	126.17
31	N4	201	PEB	C4B-C3B-C2B	-4.35	101.97	106.78
31	IG	203	PEB	CHA-C1B-C2B	4.34	136.07	124.90
31	p8	201	PEB	CHA-C4A-NA	4.34	130.37	125.20
31	iF	201	PEB	C3D-C4D-ND	4.34	115.78	107.26
31	DG	202	PEB	OA-C1A-C2A	-4.34	122.72	126.17
33	GB	1001	CYC	C2B-C1B-NB	4.34	113.35	106.99
31	F8	202	PEB	CHB-C4B-C3B	-4.34	115.28	125.32
32	x8	306	PUB	CHA-C4A-NA	-4.34	108.90	113.95
31	O8	202	PEB	C1C-CHB-C4B	4.34	134.00	128.81
33	NB	1001	CYC	CHB-C4A-NA	-4.34	115.85	124.93
31	M7	203	PEB	OA-C1A-C2A	-4.34	122.72	126.17
31	RG	203	PEB	OD-C4D-ND	-4.34	119.50	125.93
31	D9	201	PEB	C3B-C4B-NB	4.34	116.36	110.05
33	CC	1001	CYC	CHB-C4A-NA	-4.34	115.85	124.93
31	AG	203	PEB	C1B-C2B-C3B	-4.34	101.52	106.51
31	ID	201	PEB	CHB-C4B-NB	-4.34	122.81	128.83
31	I8	203	PEB	C3D-C4D-ND	4.34	115.78	107.26
31	ZH	202	PEB	CHC-C1D-ND	-4.34	108.91	113.95
31	JB	1002	PEB	OA-C1A-C2A	-4.34	122.72	126.17
31	O1	202	PEB	CHC-C4C-C3C	-4.34	122.94	130.34
31	HK	203	PEB	C4B-C3B-C2B	-4.34	101.98	106.78
32	AB	302	PUB	C1C-C2C-C3C	-4.34	101.98	106.78
31	AG	201	PEB	CMB-C2B-C1B	4.34	131.75	125.06
31	VG	201	PEB	CMB-C2B-C1B	4.34	131.75	125.06
33	ME	1001	CYC	CMA-C3A-C4A	4.34	131.75	125.06
31	H8	201	PEB	CHC-C1D-ND	-4.34	108.91	113.95
31	EG	201	PEB	CMB-C2B-C1B	4.34	131.74	125.06
31	OK	202	PEB	CHC-C4C-C3C	-4.34	122.94	130.34
31	CG	201	PEB	CMB-C2B-C1B	4.34	131.74	125.06
31	HA	202	PEB	CHC-C1D-ND	-4.34	108.91	113.95
32	M9	305	PUB	CMA-C2A-C1A	4.34	131.59	121.39
31	L5	203	PEB	C1C-CHB-C4B	4.34	133.99	128.81
31	Z2	201	PEB	C2A-C1A-NA	4.34	112.01	108.27
31	C8	202	PEB	CMB-C2B-C1B	4.34	131.74	125.06
31	DB	1002	PEB	CHB-C4B-NB	-4.34	122.81	128.83
31	l4	203	PEB	OA-C1A-C2A	-4.34	122.73	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W7	202	PEB	C3D-C4D-ND	4.33	115.76	107.26
33	LC	1001	CYC	CHB-C1B-NB	-4.33	116.75	126.06
31	L2	1002	PEB	CHC-C4C-C3C	-4.33	122.94	130.34
31	a8	202	PEB	C1C-CHB-C4B	4.33	133.99	128.81
33	DE	1001	CYC	C4D-CHA-C1A	4.33	133.99	128.81
31	GG	202	PEB	CMB-C2B-C1B	4.33	131.74	125.06
31	zF	501	PEB	CMB-C2B-C1B	4.33	131.74	125.06
31	CH	201	PEB	CHA-C1B-NB	-4.33	115.87	124.93
32	A5	303	PUB	CHB-C1C-NC	-4.33	122.81	128.83
31	KG	202	PEB	CMB-C2B-C1B	4.33	131.74	125.06
32	Z9	305	PUB	CMA-C2A-C1A	4.33	131.58	121.39
31	Q6	201	PEB	CHC-C4C-C3C	-4.33	122.95	130.34
31	D4	202	PEB	OA-C1A-C2A	-4.33	122.73	126.17
31	kC	203	PEB	CHB-C4B-NB	-4.33	122.82	128.83
31	b7	501	PEB	CHC-C1D-ND	-4.33	108.92	113.95
31	mH	202	PEB	C4B-C3B-C2B	-4.33	101.99	106.78
31	cB	202	PEB	CHB-C4B-NB	-4.33	122.82	128.83
31	eB	201	PEB	CHC-C1D-ND	-4.33	108.92	113.95
31	j6	201	PEB	C3B-C4B-NB	4.33	116.35	110.05
31	lB	201	PEB	CHB-C4B-C3B	-4.33	115.31	125.32
31	W2	202	PEB	CHA-C1B-NB	-4.33	115.87	124.93
31	QG	201	PEB	CHB-C4B-NB	-4.33	122.82	128.83
31	d6	202	PEB	CHB-C4B-NB	-4.33	122.82	128.83
31	U9	203	PEB	CHB-C4B-NB	-4.33	122.82	128.83
33	FD	201	CYC	C1B-NB-C4B	-4.33	105.16	110.67
31	HF	202	PEB	CMB-C2B-C1B	4.33	131.73	125.06
31	X8	203	PEB	CMB-C2B-C1B	4.33	131.73	125.06
31	z8	501	PEB	CMB-C2B-C1B	4.33	131.73	125.06
31	H5	201	PEB	OA-C1A-C2A	-4.33	122.73	126.17
31	XG	201	PEB	CMB-C2B-C1B	4.33	131.73	125.06
31	L6	1002	PEB	C1C-CHB-C4B	4.33	133.98	128.81
31	Q7	203	PEB	CHC-C4C-C3C	4.33	137.72	130.34
31	gA	202	PEB	CHC-C4C-C3C	-4.33	122.96	130.34
31	i8	201	PEB	CHB-C4B-NB	-4.33	122.83	128.83
32	A5	303	PUB	CMA-C2A-C1A	4.32	131.56	121.39
31	VE	202	PEB	C1C-CHB-C4B	-4.32	123.64	128.81
31	UA	303	PEB	CHC-C4C-C3C	-4.32	122.96	130.34
31	KE	201	PEB	OA-C1A-C2A	-4.32	122.73	126.17
31	fE	203	PEB	OA-C1A-C2A	-4.32	122.73	126.17
31	l6	201	PEB	CHB-C4B-C3B	-4.32	115.33	125.32
31	N5	204	PEB	CHB-C4B-NB	-4.32	122.83	128.83
31	WC	202	PEB	CHA-C1B-NB	-4.32	115.89	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PG	201	PEB	CMB-C2B-C1B	4.32	131.72	125.06
31	PB	202	PEB	OA-C1A-C2A	-4.32	122.74	126.17
31	kF	202	PEB	OA-C1A-C2A	-4.32	122.74	126.17
31	jB	201	PEB	C3B-C4B-NB	4.32	116.34	110.05
31	VK	202	PEB	CHB-C4B-NB	-4.32	122.83	128.83
31	aB	203	PEB	C4B-C3B-C2B	-4.32	102.00	106.78
31	Y6	203	PEB	CHC-C4C-C3C	-4.32	122.97	130.34
31	WH	201	PEB	C3D-C4D-ND	4.32	115.74	107.26
31	XF	202	PEB	CHB-C4B-NB	-4.32	122.83	128.83
33	HD	1001	CYC	C1B-C2B-C3B	-4.32	103.36	107.87
33	DB	1001	CYC	CMA-C3A-C4A	4.32	131.72	125.06
31	O9	202	PEB	CHB-C4B-NB	-4.32	122.83	128.83
31	TG	202	PEB	CMB-C2B-C1B	4.32	131.72	125.06
31	T8	201	PEB	C1C-CHB-C4B	4.32	133.97	128.81
31	gC	201	PEB	C1C-CHB-C4B	4.32	133.97	128.81
31	KF	202	PEB	CHB-C4B-NB	-4.32	122.84	128.83
31	PB	201	PEB	CHC-C1D-ND	-4.32	108.93	113.95
32	xF	306	PUB	CHA-C4A-NA	-4.32	108.93	113.95
31	eC	202	PEB	CHA-C1B-NB	-4.32	115.90	124.93
31	N1	201	PEB	CHB-C4B-NB	-4.32	122.84	128.83
31	P2	202	PEB	CHB-C4B-NB	-4.32	122.84	128.83
31	K8	202	PEB	CHB-C4B-NB	-4.32	122.84	128.83
31	t8	203	PEB	CHB-C4B-NB	-4.32	122.84	128.83
31	MK	201	PEB	C3D-C4D-ND	4.32	115.73	107.26
31	e4	202	PEB	CHA-C1B-NB	-4.32	115.90	124.93
31	bF	202	PEB	C3D-C4D-ND	4.32	115.73	107.26
31	VD	202	PEB	OA-C1A-C2A	-4.32	122.74	126.17
31	RG	201	PEB	CMB-C2B-C1B	4.32	131.71	125.06
32	QH	202	PUB	C1C-C2C-C3C	-4.32	102.00	106.78
31	fF	201	PEB	CHA-C1B-NB	-4.32	115.91	124.93
31	lB	201	PEB	C3B-C4B-NB	4.32	116.33	110.05
31	GJ	202	PEB	CHB-C4B-NB	-4.31	122.84	128.83
31	SA	203	PEB	CHC-C4C-C3C	-4.31	122.98	130.34
31	fF	201	PEB	CHB-C4B-NB	-4.31	122.84	128.83
31	FH	202	PEB	CMB-C2B-C1B	4.31	131.71	125.06
31	HK	201	PEB	CHC-C4C-C3C	-4.31	122.98	130.34
31	H7	202	PEB	CHC-C4C-C3C	-4.31	122.98	130.34
31	cF	201	PEB	CHC-C4C-C3C	-4.31	122.98	130.34
33	G6	1001	CYC	C2B-C1B-NB	4.31	113.30	106.99
31	e2	202	PEB	CHA-C1B-NB	-4.31	115.91	124.93
31	BH	301	PEB	CHB-C4B-NB	-4.31	122.84	128.83
31	aF	202	PEB	C1C-CHB-C4B	4.31	133.96	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	vF	201	PEB	OA-C1A-NA	4.31	130.16	124.94
33	I2	201	CYC	CAB-C3B-C4B	4.31	128.19	121.38
31	HK	201	PEB	C1C-CHB-C4B	4.31	133.96	128.81
31	AB	301	PEB	CHB-C4B-NB	-4.31	122.85	128.83
33	L2	1001	CYC	CHB-C1B-NB	-4.31	116.80	126.06
31	QA	204	PEB	OA-C1A-C2A	-4.31	122.75	126.17
31	fD	203	PEB	OA-C1A-C2A	-4.31	122.75	126.17
31	dB	201	PEB	CHC-C4C-C3C	-4.31	122.99	130.34
33	NC	1001	CYC	OB-C4B-C3B	-4.31	123.36	128.04
31	H1	201	PEB	C1C-CHB-C4B	4.31	133.96	128.81
31	c8	201	PEB	CHC-C4C-C3C	-4.31	122.99	130.34
31	KH	201	PEB	CHC-C4C-C3C	-4.31	122.99	130.34
31	YI	203	PEB	CHB-C4B-NB	-4.31	122.85	128.83
31	FJ	203	PEB	CHA-C1B-C2B	4.31	135.98	124.90
31	r8	202	PEB	CMB-C2B-C1B	4.31	131.70	125.06
31	cA	403	PEB	CHC-C1D-ND	-4.31	108.94	113.95
33	LC	1003	CYC	CHB-C4A-NA	-4.31	115.92	124.93
33	ED	1001	CYC	CMA-C3A-C4A	4.31	131.70	125.06
31	VA	201	PEB	OA-C1A-C2A	-4.31	122.75	126.17
31	kH	202	PEB	OA-C1A-C2A	-4.31	122.75	126.17
31	NG	201	PEB	CMB-C2B-C1B	4.31	131.70	125.06
31	Y1	302	PEB	CHA-C1B-NB	-4.31	115.92	124.93
31	P6	203	PEB	CHB-C4B-NB	-4.31	122.85	128.83
31	D1	202	PEB	CHA-C1B-NB	-4.31	115.92	124.93
31	N7	202	PEB	CHA-C1B-NB	-4.31	115.92	124.93
32	yF	302	PUB	CHB-C1C-NC	-4.31	122.85	128.83
33	JB	1001	CYC	C1B-C2B-C3B	-4.31	103.38	107.87
31	BF	201	PEB	OD-C4D-C3D	-4.31	119.70	129.46
31	Z6	201	PEB	C3D-C4D-ND	4.30	115.70	107.26
31	ZC	201	PEB	C2A-C1A-NA	4.30	111.98	108.27
31	G5	202	PEB	CHB-C4B-NB	-4.30	122.86	128.83
31	PK	203	PEB	C1C-CHB-C4B	4.30	133.95	128.81
31	f8	201	PEB	CHA-C1B-NB	-4.30	115.93	124.93
31	FH	201	PEB	C2A-C1A-NA	4.30	111.98	108.27
31	WK	201	PEB	CHB-C4B-NB	-4.30	122.86	128.83
31	DJ	202	PEB	OD-C4D-ND	-4.30	119.56	125.93
33	I2	201	CYC	CHB-C4A-NA	-4.30	115.93	124.93
33	H6	1001	CYC	C2B-C1B-NB	4.30	113.29	106.99
31	UH	202	PEB	C3D-C4D-ND	4.30	115.70	107.26
32	MI	303	PUB	OD-C4D-C3D	-4.30	123.37	128.04
31	OI	202	PEB	CHA-C1B-NB	-4.30	115.94	124.93
31	fF	201	PEB	OA-C1A-NA	4.30	130.15	124.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	kE	202	PEB	C1C-CHB-C4B	4.30	133.95	128.81
31	Y4	203	PEB	OA-C1A-C2A	-4.30	122.75	126.17
31	GD	202	PEB	C3D-C4D-ND	4.30	115.69	107.26
31	VH	202	PEB	CMB-C2B-C1B	4.30	131.68	125.06
31	NJ	204	PEB	CHB-C4B-NB	-4.30	122.86	128.83
31	lE	203	PEB	CHB-C4B-NB	-4.30	122.86	128.83
31	SH	202	PEB	CHC-C4C-C3C	-4.30	123.01	130.34
31	bF	201	PEB	CMB-C2B-C1B	4.30	131.68	125.06
31	RK	202	PEB	C4B-C3B-C2B	-4.30	102.03	106.78
31	ZG	401	PEB	C3B-C4B-NB	4.30	116.30	110.05
31	i8	201	PEB	C3D-C4D-ND	4.30	115.69	107.26
33	63	901	CYC	CMA-C3A-C4A	4.30	131.68	125.06
31	WF	203	PEB	CHA-C1B-NB	-4.30	115.94	124.93
31	TF	202	PEB	CMB-C2B-C1B	4.30	131.68	125.06
31	t8	201	PEB	OA-C1A-NA	4.30	130.14	124.94
31	F4	201	PEB	OA-C1A-C2A	-4.30	122.76	126.17
31	M8	201	PEB	CHC-C4C-C3C	-4.29	123.01	130.34
31	X7	201	PEB	CHC-C1D-ND	-4.29	108.96	113.95
31	OF	202	PEB	C1C-CHB-C4B	4.29	133.94	128.81
32	ZI	302	PUB	OD-C4D-C3D	-4.29	123.38	128.04
31	W8	203	PEB	CHA-C1B-NB	-4.29	115.95	124.93
31	Q1	201	PEB	CHA-C1B-C2B	4.29	135.94	124.90
31	KH	201	PEB	CMB-C2B-C1B	4.29	131.68	125.06
31	U7	201	PEB	OD-C4D-ND	-4.29	119.57	125.93
31	eB	201	PEB	OA-C1A-C2A	-4.29	122.76	126.17
31	OE	201	PEB	C3D-C4D-ND	4.29	115.68	107.26
31	b8	202	PEB	C3D-C4D-ND	4.29	115.68	107.26
31	d6	201	PEB	CHC-C4C-C3C	-4.29	123.02	130.34
31	e6	201	PEB	OA-C1A-C2A	-4.29	122.76	126.17
31	SA	202	PEB	CHC-C1D-ND	-4.29	108.97	113.95
31	SI	201	PEB	C3B-C4B-NB	4.29	116.29	110.05
33	N6	1001	CYC	CHB-C4A-NA	-4.29	115.96	124.93
31	R6	203	PEB	CHC-C4C-C3C	-4.29	123.02	130.34
31	f8	201	PEB	CHB-C4B-NB	-4.29	122.88	128.83
31	O4	201	PEB	CHC-C4C-C3C	-4.29	123.02	130.34
31	l4	203	PEB	CHC-C4C-C3C	-4.29	123.02	130.34
31	F5	203	PEB	CHA-C1B-C2B	4.29	135.93	124.90
31	iH	202	PEB	OA-C1A-C2A	-4.29	122.76	126.17
31	PC	202	PEB	CHB-C4B-NB	-4.29	122.88	128.83
31	GF	202	PEB	CHB-C4B-C3B	-4.29	115.42	125.32
31	Q7	202	PEB	C1C-CHB-C4B	4.29	133.93	128.81
31	C4	203	PEB	OA-C1A-C2A	-4.29	122.77	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e6	201	PEB	CHC-C1D-ND	-4.29	108.97	113.95
31	DK	202	PEB	CHA-C1B-NB	-4.29	115.97	124.93
31	R6	203	PEB	CAB-C3B-C4B	4.29	132.59	125.01
33	LC	1003	CYC	CAB-C3B-C4B	4.28	128.15	121.38
31	D6	1002	PEB	CHB-C4B-NB	-4.28	122.89	128.83
31	ZB	201	PEB	C3D-C4D-ND	4.28	115.66	107.26
31	SA	203	PEB	OA-C1A-C2A	-4.28	122.77	126.17
31	Q9	202	PEB	OD-C4D-ND	-4.28	119.59	125.93
31	j6	201	PEB	CHC-C4C-C3C	-4.28	123.03	130.34
31	kD	202	PEB	C1C-CHB-C4B	4.28	133.92	128.81
31	JE	201	PEB	C3D-C4D-ND	4.28	115.66	107.26
31	RB	203	PEB	CAB-C3B-C4B	4.28	132.59	125.01
32	y8	302	PUB	CHB-C1C-NC	-4.28	122.89	128.83
31	B9	203	PEB	C1C-CHB-C4B	-4.28	123.69	128.81
31	V5	201	PEB	C4B-C3B-C2B	-4.28	102.04	106.78
31	iE	202	PEB	CHC-C1D-ND	-4.28	108.98	113.95
31	WH	202	PEB	CMB-C2B-C1B	4.28	131.66	125.06
33	GE	201	CYC	C2C-C1C-NC	4.28	111.96	108.27
32	AD	302	PUB	C1C-C2C-C3C	-4.28	102.05	106.78
32	AE	302	PUB	C1C-C2C-C3C	-4.28	102.05	106.78
31	U7	201	PEB	C3B-C4B-NB	4.28	116.28	110.05
31	XF	201	PEB	CHC-C4C-C3C	-4.28	123.04	130.34
31	dH	202	PEB	CHC-C4C-C3C	-4.28	123.04	130.34
31	M9	301	PEB	C1C-CHB-C4B	-4.28	123.70	128.81
31	SH	201	PEB	CHC-C4C-C3C	-4.28	123.04	130.34
32	B4	302	PUB	CMA-C2A-C1A	4.28	131.46	121.39
31	aH	204	PEB	CMB-C2B-C1B	4.28	131.65	125.06
31	RG	203	PEB	OA-C1A-C2A	-4.28	122.77	126.17
31	J9	202	PEB	CHB-C4B-NB	-4.28	122.89	128.83
31	P5	202	PEB	C1C-CHB-C4B	4.28	133.92	128.81
31	YB	203	PEB	CHC-C4C-C3C	-4.28	123.04	130.34
31	WG	201	PEB	C3B-C4B-NB	4.28	116.27	110.05
31	RB	203	PEB	CHC-C4C-C3C	-4.28	123.04	130.34
31	T4	202	PEB	CHC-C1D-ND	-4.28	108.98	113.95
31	HA	201	PEB	OA-C1A-C2A	-4.28	122.77	126.17
33	EE	1001	CYC	CMA-C3A-C4A	4.28	131.65	125.06
32	A6	302	PUB	C1C-C2C-C3C	-4.28	102.05	106.78
31	Y7	502	PEB	CHA-C1B-NB	-4.28	115.99	124.93
31	f2	203	PEB	OA-C1A-C2A	-4.28	122.77	126.17
31	QK	201	PEB	CHA-C1B-C2B	4.28	135.90	124.90
31	QA	201	PEB	CHC-C1D-ND	-4.28	108.98	113.95
31	hF	201	PEB	CHB-C4B-NB	-4.28	122.90	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YK	302	PEB	CHA-C1B-NB	-4.28	115.99	124.93
31	QD	202	PEB	CHC-C1D-ND	-4.27	108.98	113.95
31	W1	201	PEB	CHB-C4B-NB	-4.27	122.90	128.83
31	e6	203	PEB	CHC-C4C-C3C	-4.27	123.05	130.34
31	DE	1002	PEB	OA-C1A-C2A	-4.27	122.78	126.17
31	J1	203	PEB	OA-C1A-C2A	-4.27	122.78	126.17
31	eE	202	PEB	OA-C1A-C2A	-4.27	122.78	126.17
31	DH	202	PEB	C2A-C1A-NA	4.27	111.96	108.27
31	F7	201	PEB	CHB-C4B-NB	-4.27	122.90	128.83
33	D2	1001	CYC	C2B-C1B-NB	4.27	113.24	106.99
31	DJ	202	PEB	C3D-C4D-ND	4.27	115.64	107.26
33	MD	1001	CYC	CMA-C3A-C4A	4.27	131.64	125.06
31	jF	201	PEB	C2A-C1A-NA	4.27	111.95	108.27
31	d4	202	PEB	CHC-C4C-C3C	-4.27	123.06	130.34
31	VG	203	PEB	C3B-C4B-NB	4.27	116.26	110.05
31	b2	203	PEB	C2A-C1A-NA	4.27	111.95	108.27
31	OI	203	PEB	C2A-C1A-NA	4.27	111.95	108.27
33	GD	201	CYC	C2C-C1C-NC	4.27	111.95	108.27
31	BI	201	PEB	CHB-C4B-NB	-4.27	122.91	128.83
31	QA	203	PEB	CHC-C4C-C3C	-4.27	123.06	130.34
32	xF	301	PUB	C1C-C2C-C3C	-4.27	102.06	106.78
31	HJ	201	PEB	C3D-C4D-ND	4.27	115.63	107.26
31	BG	202	PEB	C1B-C2B-C3B	-4.27	101.61	106.51
31	P8	201	PEB	CHB-C4B-NB	-4.27	122.91	128.83
33	DE	1001	CYC	OC-C1C-C2C	-4.27	122.78	126.17
33	D2	1003	CYC	OC-C1C-C2C	-4.27	122.78	126.17
31	SH	201	PEB	CHA-C1B-NB	-4.27	116.01	124.93
31	H6	1002	PEB	CHB-C4B-NB	-4.26	122.91	128.83
31	bB	202	PEB	CHB-C4B-NB	-4.26	122.91	128.83
31	iD	202	PEB	CHB-C4B-NB	-4.26	122.91	128.83
31	D5	201	PEB	C4B-C3B-C2B	-4.26	102.06	106.78
31	eB	203	PEB	CHC-C4C-C3C	-4.26	123.06	130.34
32	AB	303	PUB	C1C-C2C-C3C	-4.26	102.06	106.78
31	d2	203	PEB	OA-C1A-C2A	-4.26	122.78	126.17
31	Y7	503	PEB	CMB-C2B-C1B	4.26	131.63	125.06
31	LB	1002	PEB	C1C-CHB-C4B	4.26	133.90	128.81
31	CF	202	PEB	CMB-C2B-C1B	4.26	131.63	125.06
31	P4	201	PEB	OA-C1A-C2A	-4.26	122.78	126.17
31	Z8	202	PEB	OA-C1A-C2A	-4.26	122.78	126.17
31	V1	202	PEB	CHB-C4B-NB	-4.26	122.92	128.83
31	B8	201	PEB	OD-C4D-C3D	-4.26	119.81	129.46
31	mH	202	PEB	C3D-C4D-ND	4.26	115.62	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I8	201	PEB	C3D-C4D-ND	4.26	115.62	107.26
31	OD	202	PEB	CHB-C4B-NB	-4.26	122.92	128.83
31	HJ	201	PEB	CHB-C4B-NB	-4.26	122.92	128.83
33	D2	1003	CYC	C1B-C2B-C3B	-4.26	103.43	107.87
32	A4	304	PUB	CMA-C2A-C1A	4.26	131.41	121.39
31	BI	201	PEB	OA-C1A-C2A	-4.26	122.79	126.17
31	jC	203	PEB	OA-C1A-C2A	-4.26	122.79	126.17
33	K2	201	CYC	OC-C1C-C2C	-4.26	122.79	126.17
31	aB	203	PEB	CHB-C4B-NB	-4.26	122.92	128.83
31	PF	201	PEB	CHB-C4B-NB	-4.26	122.92	128.83
31	lD	203	PEB	CHB-C4B-NB	-4.26	122.92	128.83
31	Z2	201	PEB	CHC-C4C-C3C	-4.26	123.08	130.34
31	J6	1002	PEB	OA-C1A-C2A	-4.26	122.79	126.17
31	IG	203	PEB	C2A-C1A-NA	4.26	111.94	108.27
31	OE	202	PEB	CHB-C4B-NB	-4.26	122.92	128.83
31	eC	203	PEB	C2A-C1A-NA	4.26	111.94	108.27
31	j2	203	PEB	OA-C1A-C2A	-4.26	122.79	126.17
31	H6	1002	PEB	OA-C1A-C2A	-4.26	122.79	126.17
31	gF	201	PEB	CHC-C1D-ND	-4.26	109.00	113.95
31	mF	201	PEB	CBC-CAC-C2C	-4.26	105.36	112.62
31	H4	201	PEB	C3D-C4D-ND	4.26	115.61	107.26
31	t8	202	PEB	C3D-C4D-ND	4.26	115.61	107.26
32	A4	304	PUB	CHC-C1D-ND	-4.25	108.34	113.72
31	AJ	301	PEB	CHC-C1D-ND	-4.25	109.01	113.95
31	TH	201	PEB	C4B-C3B-C2B	-4.25	102.07	106.78
31	R2	202	PEB	OA-C1A-C2A	-4.25	122.79	126.17
31	b7	503	PEB	CHC-C1D-ND	-4.25	109.01	113.95
31	E4	203	PEB	CHB-C4B-NB	-4.25	122.93	128.83
31	f8	201	PEB	OA-C1A-NA	4.25	130.09	124.94
31	G4	202	PEB	CHC-C4C-C3C	-4.25	123.08	130.34
31	L9	201	PEB	C1B-C2B-C3B	-4.25	101.62	106.51
31	ZC	201	PEB	CHC-C4C-C3C	-4.25	123.08	130.34
31	G8	202	PEB	CHB-C4B-C3B	-4.25	115.50	125.32
31	TF	201	PEB	C1C-CHB-C4B	4.25	133.89	128.81
31	XF	203	PEB	CMB-C2B-C1B	4.25	131.61	125.06
31	F9	203	PEB	CHB-C4B-NB	-4.25	122.93	128.83
31	VH	202	PEB	OA-C1A-C2A	-4.25	122.79	126.17
31	B9	203	PEB	CHB-C4B-NB	-4.25	122.93	128.83
31	OD	201	PEB	C3D-C4D-ND	4.25	115.60	107.26
31	X8	201	PEB	CHC-C4C-C3C	-4.25	123.09	130.34
31	Z9	301	PEB	C1C-CHB-C4B	-4.25	123.73	128.81
31	iE	202	PEB	CHB-C4B-NB	-4.25	122.93	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	DJ	203	PEB	OA-C1A-C2A	-4.25	122.79	126.17
31	F8	202	PEB	C3D-C4D-ND	4.25	115.60	107.26
31	JF	201	PEB	OA-C1A-NA	4.25	130.09	124.94
33	HB	1001	CYC	C2B-C1B-NB	4.25	113.21	106.99
31	i6	201	PEB	OA-C1A-C2A	-4.25	122.80	126.17
31	GJ	202	PEB	CBC-CAC-C2C	4.25	119.87	112.62
31	M1	202	PEB	OA-C1A-C2A	-4.25	122.80	126.17
33	K2	201	CYC	C1B-NB-C4B	-4.25	105.26	110.67
31	KA	302	PEB	CMB-C2B-C1B	4.25	131.60	125.06
31	N7	202	PEB	CHC-C4C-C3C	-4.25	123.09	130.34
31	DI	203	PEB	OA-C1A-C2A	-4.25	122.80	126.17
31	FF	202	PEB	C3D-C4D-ND	4.25	115.59	107.26
31	FC	1002	PEB	CHC-C1D-ND	-4.25	109.02	113.95
31	RD	202	PEB	CHC-C4C-C3C	-4.25	123.10	130.34
31	iD	202	PEB	CHC-C1D-ND	-4.24	109.02	113.95
31	H1	203	PEB	C4B-C3B-C2B	-4.24	102.08	106.78
31	bD	201	PEB	CHC-C1D-ND	-4.24	109.02	113.95
31	V4	201	PEB	C3D-C4D-ND	4.24	115.58	107.26
31	J4	201	PEB	CHA-C1B-NB	-4.24	116.06	124.93
31	VD	202	PEB	C1C-CHB-C4B	-4.24	123.74	128.81
31	ZC	201	PEB	CHB-C4B-C3B	-4.24	115.52	125.32
31	ZE	201	PEB	CHB-C4B-NB	-4.24	122.94	128.83
31	XI	201	PEB	CHB-C4B-NB	-4.24	122.94	128.83
31	W7	202	PEB	CHC-C4C-C3C	-4.24	123.10	130.34
31	H8	201	PEB	C1C-CHB-C4B	4.24	133.88	128.81
31	FH	201	PEB	CMB-C2B-C1B	4.24	131.59	125.06
31	ZH	201	PEB	CMB-C2B-C1B	4.24	131.59	125.06
31	K8	201	PEB	OA-C1A-C2A	-4.24	122.80	126.17
31	g2	202	PEB	CHB-C4B-NB	-4.24	122.95	128.83
31	B9	202	PEB	CHB-C4B-NB	-4.24	122.95	128.83
31	eH	201	PEB	C4B-C3B-C2B	-4.24	102.09	106.78
33	DC	1003	CYC	C1B-NB-C4B	-4.24	105.27	110.67
31	jB	202	PEB	CHB-C4B-NB	-4.24	122.95	128.83
31	D5	202	PEB	C3D-C4D-ND	4.24	115.58	107.26
31	H5	201	PEB	CHB-C4B-NB	-4.24	122.95	128.83
31	VG	203	PEB	C2A-C1A-NA	4.24	111.93	108.27
31	R4	202	PEB	OA-C1A-C2A	-4.24	122.80	126.17
31	WG	203	PEB	CMB-C2B-C1B	4.24	131.59	125.06
31	fE	202	PEB	CHB-C4B-NB	-4.24	122.95	128.83
31	MI	305	PEB	OA-C1A-C2A	-4.24	122.81	126.17
31	LH	201	PEB	C2A-C1A-NA	4.24	111.92	108.27
33	FC	1001	CYC	C1B-CHB-C4A	-4.23	117.73	128.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Z2	201	PEB	CHB-C4B-C3B	-4.23	115.54	125.32
33	D2	1003	CYC	C1B-NB-C4B	-4.23	105.28	110.67
31	J7	201	PEB	CHB-C4B-NB	-4.23	122.95	128.83
31	I5	202	PEB	CAB-C3B-C4B	4.23	132.50	125.01
31	OC	201	PEB	CHA-C1B-NB	-4.23	116.08	124.93
31	QD	202	PEB	CHA-C1B-NB	-4.23	116.08	124.93
31	J2	1002	PEB	CHB-C4B-NB	-4.23	122.96	128.83
31	D5	202	PEB	OD-C4D-ND	-4.23	119.66	125.93
31	RH	201	PEB	C3D-C4D-ND	4.23	115.56	107.26
31	O7	202	PEB	C3D-C4D-ND	4.23	115.56	107.26
31	VC	202	PEB	CMB-C2B-C1B	4.23	131.58	125.06
31	O4	202	PEB	C1C-CHB-C4B	-4.23	123.75	128.81
31	ZG	401	PEB	CBB-CAB-C3B	4.23	124.38	112.63
31	MH	201	PEB	C4B-C3B-C2B	-4.23	102.10	106.78
31	WH	203	PEB	CHB-C4B-NB	-4.23	122.96	128.83
31	RI	201	PEB	CHB-C4B-NB	-4.23	122.96	128.83
31	W9	202	PEB	OA-C1A-C2A	-4.23	122.81	126.17
31	eD	202	PEB	OA-C1A-C2A	-4.23	122.81	126.17
33	W3	1001	CYC	OB-C4B-C3B	-4.23	123.45	128.04
31	R1	202	PEB	C4B-C3B-C2B	-4.23	102.10	106.78
31	GK	201	PEB	CHA-C1B-NB	-4.23	116.08	124.93
31	gF	201	PEB	C4B-C3B-C2B	-4.23	102.10	106.78
31	kC	201	PEB	C3D-C4D-ND	4.23	115.56	107.26
31	QE	202	PEB	CHA-C1B-NB	-4.23	116.09	124.93
31	T1	201	PEB	CHA-C1B-NB	-4.23	116.09	124.93
31	hF	201	PEB	CHA-C1B-NB	-4.23	116.09	124.93
31	TI	201	PEB	CHB-C4B-NB	-4.23	122.96	128.83
31	T4	201	PEB	C4B-C3B-C2B	-4.23	102.10	106.78
33	DD	1001	CYC	OC-C1C-C2C	-4.23	122.81	126.17
31	TK	201	PEB	CHA-C1B-NB	-4.23	116.09	124.93
33	y3	1001	CYC	OB-C4B-C3B	-4.23	123.45	128.04
31	EI	201	PEB	CHB-C4B-NB	-4.23	122.96	128.83
31	I7	203	PEB	OA-C1A-C2A	-4.23	122.81	126.17
31	mD	203	PEB	OA-C1A-C2A	-4.23	122.81	126.17
31	UD	201	PEB	CHC-C1D-ND	-4.23	109.04	113.95
33	DC	1003	CYC	CAB-C3B-C4B	4.23	128.05	121.38
31	jB	201	PEB	CHC-C4C-C3C	-4.23	123.13	130.34
31	VI	201	PEB	CHB-C4B-NB	-4.23	122.97	128.83
31	IJ	202	PEB	CAB-C3B-C4B	4.23	132.49	125.01
31	mH	202	PEB	CMB-C2B-C1B	4.23	131.57	125.06
31	TG	201	PEB	C3B-C4B-NB	4.22	116.19	110.05
33	DC	1001	CYC	C2B-C1B-NB	4.22	113.17	106.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	D6	1001	CYC	C2B-C1B-NB	4.22	113.17	106.99
31	GA	203	PEB	CHC-C1D-ND	-4.22	109.04	113.95
31	IJ	202	PEB	CHC-C1D-ND	-4.22	109.04	113.95
32	AC	303	PUB	CMA-C2A-C1A	4.22	131.33	121.39
31	GF	201	PEB	C2A-C1A-NA	4.22	111.91	108.27
31	Y7	504	PEB	CHC-C4C-C3C	-4.22	123.13	130.34
31	KI	201	PEB	CHB-C4B-NB	-4.22	122.97	128.83
31	ZI	304	PEB	OA-C1A-C2A	-4.22	122.82	126.17
31	MK	202	PEB	OA-C1A-C2A	-4.22	122.82	126.17
31	L4	201	PEB	OA-C1A-C2A	-4.22	122.82	126.17
33	F2	1001	CYC	C1B-CHB-C4A	-4.22	117.77	128.08
31	F2	1002	PEB	CHC-C1D-ND	-4.22	109.05	113.95
31	c6	203	PEB	C4B-C3B-C2B	-4.22	102.11	106.78
31	uF	201	PEB	CHB-C4B-NB	-4.22	122.97	128.83
31	I1	201	PEB	OA-C1A-C2A	-4.22	122.82	126.17
31	k8	202	PEB	OA-C1A-C2A	-4.22	122.82	126.17
31	IF	201	PEB	C3D-C4D-ND	4.22	115.54	107.26
31	m8	201	PEB	CBC-CAC-C2C	-4.22	105.42	112.62
31	Y8	203	PEB	CMB-C2B-C1B	4.22	131.56	125.06
31	ZH	201	PEB	C2A-C1A-NA	4.22	111.91	108.27
31	BI	203	PEB	C2A-C1A-NA	4.22	111.91	108.27
31	iB	201	PEB	OA-C1A-C2A	-4.22	122.82	126.17
31	PI	201	PEB	CHB-C4B-NB	-4.22	122.97	128.83
33	IB	1001	CYC	C2B-C1B-NB	4.22	113.17	106.99
31	UA	301	PEB	C3D-C4D-ND	4.22	115.54	107.26
31	H5	201	PEB	C3D-C4D-ND	4.22	115.54	107.26
31	AI	201	PEB	CHB-C4B-NB	-4.22	122.97	128.83
31	B9	201	PEB	CHC-C1D-ND	-4.22	109.05	113.95
31	MA	201	PEB	CHA-C1B-NB	-4.22	116.11	124.93
31	aA	201	PEB	CHA-C1B-NB	-4.22	116.11	124.93
31	D5	202	PEB	CHA-C1B-C2B	4.22	135.75	124.90
32	A2	303	PUB	CMA-C2A-C1A	4.22	131.31	121.39
31	NI	201	PEB	CHB-C4B-NB	-4.22	122.98	128.83
31	jB	202	PEB	C3D-C4D-ND	4.22	115.53	107.26
31	k6	201	PEB	OA-C1A-C2A	-4.22	122.82	126.17
33	E2	1001	CYC	C2B-C1B-NB	4.22	113.16	106.99
31	pF	201	PEB	C2A-C1A-NA	4.22	111.91	108.27
31	QE	202	PEB	CHC-C1D-ND	-4.22	109.05	113.95
31	V2	201	PEB	OA-C1A-C2A	-4.22	122.82	126.17
31	UA	303	PEB	CHC-C1D-ND	-4.22	109.05	113.95
31	fD	202	PEB	CHB-C4B-NB	-4.22	122.98	128.83
31	T8	201	PEB	CHC-C4C-C3C	-4.22	123.15	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RE	201	PEB	CHC-C1D-ND	-4.21	109.05	113.95
33	E2	1001	CYC	C1B-NB-C4B	-4.21	105.30	110.67
31	XH	201	PEB	OA-C1A-C2A	-4.21	122.82	126.17
31	aH	203	PEB	CHB-C4B-NB	-4.21	122.98	128.83
31	pF	201	PEB	CHA-C4A-NA	4.21	130.22	125.20
31	gC	202	PEB	CHB-C4B-NB	-4.21	122.98	128.83
31	FG	201	PEB	C3D-C4D-ND	4.21	115.53	107.26
31	cH	202	PEB	CAB-C3B-C4B	4.21	132.46	125.01
31	I8	203	PEB	OA-C1A-C2A	-4.21	122.82	126.17
33	I6	1001	CYC	C2B-C1B-NB	4.21	113.15	106.99
32	AH	304	PUB	C1C-C2C-C3C	-4.21	102.12	106.78
31	HJ	201	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	hE	201	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	g8	201	PEB	C1C-CHB-C4B	4.21	133.84	128.81
31	I7	201	PEB	CHC-C4C-C3C	-4.21	123.16	130.34
33	D2	1003	CYC	CAB-C3B-C4B	4.21	128.03	121.38
31	NH	202	PEB	CMB-C2B-C1B	4.21	131.55	125.06
31	IF	203	PEB	C3B-C4B-NB	4.21	116.17	110.05
31	OJ	202	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	V7	201	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	RE	202	PEB	CHC-C4C-C3C	-4.21	123.16	130.34
31	S9	201	PEB	C3D-C4D-ND	4.21	115.52	107.26
31	iB	203	PEB	C4B-C3B-C2B	-4.21	102.12	106.78
31	G1	201	PEB	CHA-C1B-NB	-4.21	116.13	124.93
31	M9	301	PEB	CHA-C4A-NA	4.21	130.21	125.20
31	IK	201	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	k2	201	PEB	C3D-C4D-ND	4.21	115.51	107.26
31	a6	203	PEB	CHB-C4B-NB	-4.21	122.99	128.83
31	KH	201	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	j8	202	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	B9	202	PEB	OA-C1A-C2A	-4.21	122.83	126.17
31	HH	201	PEB	C3D-C4D-ND	4.21	115.51	107.26
31	IH	202	PEB	C3D-C4D-ND	4.21	115.51	107.26
31	hA	301	PEB	CHC-C4C-C3C	-4.21	123.17	130.34
33	HE	1001	CYC	C1B-NB-C4B	-4.20	105.32	110.67
31	W6	201	PEB	C3D-C4D-ND	4.20	115.51	107.26
31	O2	201	PEB	CHA-C1B-NB	-4.20	116.14	124.93
31	DK	203	PEB	CHC-C1D-ND	-4.20	109.07	113.95
32	x8	301	PUB	C1C-C2C-C3C	-4.20	102.13	106.78
31	fA	301	PEB	CHC-C4C-C3C	-4.20	123.17	130.34
32	A6	302	PUB	CHA-C1B-C2B	-4.20	123.17	130.34
31	nF	202	PEB	OA-C1A-C2A	-4.20	122.83	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	K6	1001	CYC	CMA-C3A-C4A	4.20	131.53	125.06
31	IF	203	PEB	OA-C1A-C2A	-4.20	122.83	126.17
31	B8	202	PEB	OA-C1A-C2A	-4.20	122.83	126.17
31	UE	201	PEB	CHC-C1D-ND	-4.20	109.07	113.95
31	II	201	PEB	CHB-C4B-NB	-4.20	123.00	128.83
33	KC	201	CYC	C1B-NB-C4B	-4.20	105.32	110.67
31	OG	201	PEB	OA-C1A-C2A	-4.20	122.83	126.17
31	GA	201	PEB	C2A-C1A-NA	4.20	111.89	108.27
31	cH	202	PEB	C4B-C3B-C2B	-4.20	102.13	106.78
31	LK	202	PEB	C2A-C1A-NA	4.20	111.89	108.27
31	bF	201	PEB	OA-C1A-C2A	-4.20	122.83	126.17
33	FE	1001	CYC	OC-C1C-C2C	-4.20	122.83	126.17
31	V2	202	PEB	CMB-C2B-C1B	4.20	131.53	125.06
31	Z8	202	PEB	C3D-C4D-ND	4.20	115.49	107.26
31	TE	201	PEB	CHA-C1B-NB	-4.20	116.15	124.93
31	J1	201	PEB	C4B-C3B-C2B	-4.20	102.14	106.78
31	e4	202	PEB	OA-C1A-C2A	-4.20	122.84	126.17
32	A2	304	PUB	CAC-C2C-C1C	4.19	132.43	125.01
31	IA	203	PEB	OA-C1A-C2A	-4.19	122.84	126.17
31	UI	204	PEB	OA-C1A-C2A	-4.19	122.84	126.17
31	JG	202	PEB	CMB-C2B-C1B	4.19	131.52	125.06
31	NK	203	PEB	CAB-CBB-CGB	-4.19	104.58	113.60
31	tF	202	PEB	C3D-C4D-ND	4.19	115.49	107.26
31	GI	201	PEB	CHB-C4B-NB	-4.19	123.01	128.83
31	g8	201	PEB	C4B-C3B-C2B	-4.19	102.14	106.78
31	RF	202	PEB	OA-C1A-C2A	-4.19	122.84	126.17
31	v8	201	PEB	CHC-C1D-ND	-4.19	109.08	113.95
31	nF	201	PEB	CHA-C1B-NB	-4.19	116.16	124.93
31	BH	301	PEB	OA-C1A-C2A	-4.19	122.84	126.17
31	c8	203	PEB	CMB-C2B-C1B	4.19	131.52	125.06
31	X8	201	PEB	CHC-C1D-ND	-4.19	109.08	113.95
31	CI	201	PEB	CHB-C4B-NB	-4.19	123.01	128.83
31	aH	204	PEB	C3D-C4D-ND	4.19	115.48	107.26
31	b7	502	PEB	CHC-C4C-C3C	-4.19	123.19	130.34
31	dB	202	PEB	CHB-C4B-NB	-4.19	123.01	128.83
31	iC	202	PEB	C1C-CHB-C4B	-4.19	123.80	128.81
31	D4	201	PEB	CMB-C2B-C1B	4.19	131.52	125.06
32	KK	203	PUB	CMA-C2A-C1A	4.19	131.25	121.39
32	Y1	304	PUB	CMA-C2A-C1A	4.19	131.24	121.39
31	aB	202	PEB	CHA-C1B-NB	-4.19	116.17	124.93
31	S1	202	PEB	CHB-C4B-NB	-4.19	123.02	128.83
31	DJ	202	PEB	CHA-C1B-C2B	4.19	135.67	124.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TD	201	PEB	CHA-C1B-NB	-4.19	116.17	124.93
31	X4	201	PEB	CHA-C1B-NB	-4.19	116.17	124.93
31	P4	201	PEB	C4B-C3B-C2B	-4.19	102.15	106.78
31	F6	1002	PEB	CHC-C1D-ND	-4.19	109.08	113.95
31	Z9	301	PEB	CHA-C4A-NA	4.19	130.18	125.20
31	HA	202	PEB	CHC-C4C-C3C	-4.19	123.19	130.34
31	oF	202	PEB	CMB-C2B-C1B	4.19	131.51	125.06
31	VA	202	PEB	CHC-C1D-ND	-4.19	109.09	113.95
31	U5	202	PEB	CHC-C1D-ND	-4.19	109.09	113.95
31	F5	201	PEB	CHA-C1B-C2B	4.19	135.66	124.90
31	E8	201	PEB	CHC-C4C-C3C	-4.19	123.20	130.34
31	v8	201	PEB	OA-C1A-NA	4.18	130.01	124.94
31	c4	201	PEB	OA-C1A-C2A	-4.18	122.85	126.17
31	cC	201	PEB	OA-C1A-C2A	-4.18	122.85	126.17
31	W4	201	PEB	C3D-C4D-ND	4.18	115.47	107.26
31	DD	1002	PEB	OA-C1A-C2A	-4.18	122.85	126.17
32	K1	203	PUB	CMA-C2A-C1A	4.18	131.23	121.39
31	F6	1002	PEB	CHC-C4C-C3C	-4.18	123.20	130.34
31	OF	201	PEB	CHC-C1D-ND	-4.18	109.09	113.95
31	k4	202	PEB	CHC-C1D-ND	-4.18	109.09	113.95
31	L2	1002	PEB	C3D-C4D-ND	4.18	115.47	107.26
31	P6	202	PEB	OA-C1A-C2A	-4.18	122.85	126.17
31	JK	201	PEB	C4B-C3B-C2B	-4.18	102.15	106.78
33	A3	1001	CYC	CHB-C4A-C3A	4.18	135.65	124.90
31	cH	201	PEB	C3D-C4D-ND	4.18	115.46	107.26
31	BI	202	PEB	C4B-C3B-C2B	-4.18	102.16	106.78
31	h2	201	PEB	CHB-C4B-NB	-4.18	123.03	128.83
31	L1	202	PEB	C2A-C1A-NA	4.18	111.88	108.27
31	fD	203	PEB	CHC-C1D-ND	-4.18	109.09	113.95
31	c2	201	PEB	OA-C1A-C2A	-4.18	122.85	126.17
31	I8	203	PEB	C3B-C4B-NB	4.18	116.13	110.05
31	ZG	401	PEB	C3D-C4D-ND	4.18	115.46	107.26
31	FG	201	PEB	C3B-C4B-NB	4.18	116.13	110.05
31	Z9	303	PEB	CHA-C1B-NB	-4.18	116.19	124.93
31	d8	202	PEB	CMB-C2B-C1B	4.18	131.50	125.06
33	DB	1001	CYC	C2B-C1B-NB	4.18	113.10	106.99
31	H7	201	PEB	CHC-C1D-ND	-4.18	109.10	113.95
31	SA	203	PEB	C1C-CHB-C4B	-4.18	123.82	128.81
31	XH	201	PEB	CHA-C1B-NB	-4.18	116.19	124.93
31	OC	203	PEB	CHB-C4B-NB	-4.18	123.03	128.83
31	K4	203	PEB	CHB-C4B-NB	-4.18	123.03	128.83
31	s8	201	PEB	CHB-C4B-NB	-4.18	123.03	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	iE	202	PEB	OA-C1A-C2A	-4.18	122.85	126.17
31	N1	201	PEB	CHC-C1D-ND	-4.18	109.10	113.95
31	OI	202	PEB	CHA-C4A-NA	-4.18	120.24	125.20
31	M7	202	PEB	CHC-C4C-C3C	-4.18	123.21	130.34
32	AB	302	PUB	CHA-C1B-C2B	-4.18	123.21	130.34
31	b7	502	PEB	CHB-C4B-NB	-4.18	123.03	128.83
31	U2	201	PEB	CHA-C1B-NB	-4.18	116.20	124.93
31	h8	201	PEB	CHA-C1B-NB	-4.18	116.20	124.93
31	P2	202	PEB	OA-C1A-C2A	-4.18	122.85	126.17
32	KK	203	PUB	C1C-C2C-C3C	-4.18	102.16	106.78
32	K1	203	PUB	C1C-C2C-C3C	-4.18	102.16	106.78
31	TF	201	PEB	CHC-C4C-C3C	-4.17	123.22	130.34
31	L1	201	PEB	CHC-C4C-C3C	-4.17	123.22	130.34
31	O6	201	PEB	C3D-C4D-ND	4.17	115.45	107.26
31	BF	202	PEB	OA-C1A-C2A	-4.17	122.85	126.17
31	k8	201	PEB	CHB-C4B-NB	-4.17	123.04	128.83
31	j6	202	PEB	C3D-C4D-ND	4.17	115.45	107.26
33	KB	1001	CYC	C2B-C1B-NB	4.17	113.10	106.99
31	G5	202	PEB	CBC-CAC-C2C	4.17	119.74	112.62
31	sF	201	PEB	CHB-C4B-NB	-4.17	123.04	128.83
31	B8	202	PEB	C3D-C4D-ND	4.17	115.45	107.26
31	KA	304	PEB	OA-C1A-C2A	-4.17	122.86	126.17
31	a6	202	PEB	CHA-C1B-NB	-4.17	116.20	124.93
31	FB	1002	PEB	CHC-C4C-C3C	-4.17	123.22	130.34
33	m3	1001	CYC	CHB-C4A-C3A	4.17	135.63	124.90
31	kF	201	PEB	CHB-C4B-NB	-4.17	123.04	128.83
31	LC	1002	PEB	C3D-C4D-ND	4.17	115.44	107.26
31	FB	1002	PEB	CHC-C1D-ND	-4.17	109.10	113.95
31	fE	203	PEB	CHC-C1D-ND	-4.17	109.10	113.95
31	MF	201	PEB	CHC-C4C-C3C	-4.17	123.22	130.34
31	UA	302	PEB	CMC-C3C-C2C	4.17	132.81	124.94
31	vF	201	PEB	CHC-C1D-ND	-4.17	109.10	113.95
31	mE	203	PEB	OA-C1A-C2A	-4.17	122.86	126.17
33	e3	1001	CYC	CHB-C4A-C3A	4.17	135.62	124.90
31	c4	201	PEB	C2A-C1A-NA	4.17	111.87	108.27
31	L8	201	PEB	C4B-C3B-C2B	-4.17	102.17	106.78
33	HD	1001	CYC	C1B-NB-C4B	-4.17	105.36	110.67
31	D9	203	PEB	C1C-CHB-C4B	-4.17	123.83	128.81
31	b8	201	PEB	OA-C1A-C2A	-4.17	122.86	126.17
31	L4	202	PEB	CHC-C1D-ND	-4.17	109.11	113.95
33	G6	1001	CYC	OB-C4B-C3B	-4.17	123.52	128.04
32	YK	304	PUB	CMA-C2A-C1A	4.17	131.20	121.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	i2	201	PEB	C3B-C4B-NB	4.17	116.11	110.05
31	DJ	201	PEB	C4B-C3B-C2B	-4.17	102.17	106.78
31	LB	1002	PEB	CMD-C2D-C3D	4.17	135.94	130.06
31	UH	203	PEB	OA-C1A-C2A	-4.17	122.86	126.17
31	V1	201	PEB	OA-C1A-C2A	-4.17	122.86	126.17
32	w8	304	PUB	CHC-C1D-ND	-4.17	108.45	113.72
31	bE	201	PEB	C3D-C4D-ND	4.17	115.44	107.26
33	G3	1001	CYC	CHB-C4A-C3A	4.17	135.62	124.90
31	O4	203	PEB	CHC-C1D-ND	-4.17	109.11	113.95
31	O4	203	PEB	CMB-C2B-C1B	4.17	131.48	125.06
31	JE	201	PEB	CAB-C3B-C2B	4.17	135.64	127.88
31	GF	201	PEB	C1B-C2B-C3B	-4.17	101.72	106.51
31	T1	201	PEB	CMB-C2B-C1B	4.17	131.48	125.06
31	N6	1002	PEB	CHC-C4C-C3C	-4.17	123.23	130.34
31	GD	202	PEB	CAB-C3B-C2B	4.17	135.64	127.88
31	YH	201	PEB	OA-C1A-C2A	-4.17	122.86	126.17
31	I5	202	PEB	OA-C1A-C2A	-4.17	122.86	126.17
31	q8	203	PEB	CHC-C4C-C3C	-4.17	123.23	130.34
31	i6	203	PEB	C4B-C3B-C2B	-4.16	102.17	106.78
31	IF	201	PEB	C2A-C1A-NA	-4.16	104.68	108.27
31	X5	202	PEB	OA-C1A-C2A	-4.16	122.86	126.17
33	K6	1001	CYC	C2B-C1B-NB	4.16	113.08	106.99
31	SK	202	PEB	CHB-C4B-NB	-4.16	123.05	128.83
33	K3	1001	CYC	CHB-C4A-C3A	4.16	135.61	124.90
33	E3	1001	CYC	CHB-C4A-C3A	4.16	135.61	124.90
31	FI	201	PEB	C4B-C3B-C2B	-4.16	102.17	106.78
31	d4	203	PEB	CHB-C4B-NB	-4.16	123.05	128.83
31	TK	201	PEB	CMB-C2B-C1B	4.16	131.47	125.06
31	U7	202	PEB	CHC-C1D-ND	-4.16	109.11	113.95
31	O8	201	PEB	CHC-C1D-ND	-4.16	109.11	113.95
33	T3	1001	CYC	CHB-C4A-C3A	4.16	135.60	124.90
31	V6	202	PEB	C3D-C4D-ND	4.16	115.42	107.26
31	ZB	201	PEB	C4B-NB-C1B	-4.16	98.67	106.51
31	NK	201	PEB	CHC-C1D-ND	-4.16	109.11	113.95
31	aC	201	PEB	CHC-C4C-C3C	-4.16	123.24	130.34
33	P3	1001	CYC	CHB-C4A-C3A	4.16	135.60	124.90
33	t3	1001	CYC	CHB-C4A-C3A	4.16	135.60	124.90
31	E4	201	PEB	CHB-C4B-NB	-4.16	123.06	128.83
33	FE	1001	CYC	CHA-C1A-NA	-4.16	123.06	128.83
31	IH	201	PEB	CHC-C1D-ND	-4.16	109.12	113.95
31	M9	303	PEB	CHA-C1B-NB	-4.16	116.23	124.93
33	R3	1001	CYC	CHB-C4A-C3A	4.16	135.60	124.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	hD	201	PEB	OA-C1A-C2A	-4.16	122.87	126.17
31	l4	201	PEB	CHC-C1D-ND	-4.16	109.12	113.95
31	Q6	201	PEB	CMA-C2A-C1A	-4.16	103.44	112.40
31	RB	202	PEB	OA-C1A-C2A	-4.16	122.87	126.17
31	o8	202	PEB	CMB-C2B-C1B	4.16	131.47	125.06
33	c3	1001	CYC	CHB-C4A-C3A	4.16	135.59	124.90
31	QA	203	PEB	CHC-C1D-ND	-4.16	109.12	113.95
33	g3	1001	CYC	CHB-C4A-C3A	4.16	135.59	124.90
31	X7	201	PEB	CHB-C4B-NB	-4.16	123.06	128.83
33	i3	1001	CYC	CHB-C4A-C3A	4.16	135.59	124.90
31	VB	202	PEB	C4B-C3B-C2B	-4.16	102.18	106.78
31	I8	201	PEB	C2A-C1A-NA	-4.16	104.69	108.27
31	IJ	202	PEB	CAB-CBB-CGB	-4.16	104.66	113.60
31	OB	201	PEB	C3D-C4D-ND	4.16	115.41	107.26
31	TG	201	PEB	C1B-C2B-C3B	-4.16	101.74	106.51
31	cF	203	PEB	CMB-C2B-C1B	4.15	131.46	125.06
31	gC	203	PEB	CHB-C4B-NB	-4.15	123.06	128.83
31	d8	202	PEB	OA-C1A-C2A	-4.15	122.87	126.17
32	QH	202	PUB	CMA-C2A-C1A	4.15	131.16	121.39
31	fH	202	PEB	CHB-C4B-NB	-4.15	123.06	128.83
31	m4	202	PEB	C4B-C3B-C2B	-4.15	102.19	106.78
33	l3	1001	CYC	CHB-C4A-C3A	4.15	135.58	124.90
31	m4	202	PEB	CHC-C1D-ND	4.15	118.77	113.95
31	ZA	202	PEB	OA-C1A-C2A	-4.15	122.87	126.17
32	A6	303	PUB	C1C-C2C-C3C	-4.15	102.19	106.78
33	J3	1001	CYC	CHB-C4A-C3A	4.15	135.58	124.90
31	L4	202	PEB	CMB-C2B-C1B	4.15	131.46	125.06
31	LA	201	PEB	C1C-CHB-C4B	4.15	133.77	128.81
31	ZC	202	PEB	CHC-C4C-C3C	-4.15	123.26	130.34
31	KA	302	PEB	OA-C1A-C2A	-4.15	122.87	126.17
31	D1	203	PEB	CHC-C1D-ND	-4.15	109.13	113.95
33	C3	1001	CYC	CHB-C4A-C3A	4.15	135.57	124.90
33	r3	1001	CYC	CHB-C4A-C3A	4.15	135.57	124.90
31	sF	203	PEB	C1B-C2B-C3B	-4.15	101.74	106.51
31	LE	1002	PEB	CHB-C4B-NB	-4.15	123.07	128.83
33	EC	1001	CYC	C2B-C1B-NB	4.15	113.06	106.99
31	BA	202	PEB	OA-C1A-C2A	-4.15	122.87	126.17
31	Z6	201	PEB	C4B-NB-C1B	-4.15	98.69	106.51
31	iC	201	PEB	C3B-C4B-NB	4.15	116.08	110.05
31	XJ	202	PEB	OA-C1A-C2A	-4.15	122.88	126.17
33	F2	1001	CYC	C1B-C2B-C3B	-4.15	103.54	107.87
31	lC	201	PEB	CHC-C4C-C3C	-4.15	123.26	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZE	201	PEB	CHA-C1B-NB	-4.15	116.26	124.93
31	EA	501	PEB	C3D-C4D-ND	4.15	115.39	107.26
31	a2	201	PEB	CHC-C4C-C3C	-4.15	123.27	130.34
31	m4	202	PEB	C3D-C4D-ND	4.15	115.39	107.26
31	d6	202	PEB	C3D-C4D-ND	4.15	115.39	107.26
31	J8	201	PEB	OA-C1A-NA	4.15	129.96	124.94
33	p3	1001	CYC	CHB-C4A-C3A	4.14	135.56	124.90
31	HB	1002	PEB	CHB-C4B-NB	-4.14	123.08	128.83
31	UH	201	PEB	CHB-C4B-NB	-4.14	123.08	128.83
31	eB	202	PEB	CHB-C4B-NB	-4.14	123.08	128.83
31	L6	1002	PEB	CMD-C2D-C3D	4.14	135.91	130.06
33	v3	1001	CYC	CHB-C4A-C3A	4.14	135.56	124.90
31	O8	201	PEB	CHA-C1B-NB	-4.14	116.27	124.93
31	DG	202	PEB	CHC-C1D-ND	-4.14	109.14	113.95
31	K7	201	PEB	CHC-C4C-C3C	4.14	137.40	130.34
31	JK	202	PEB	C3D-C4D-ND	4.14	115.39	107.26
31	p8	201	PEB	C2A-C1A-NA	4.14	111.84	108.27
31	SD	201	PEB	CHA-C1B-NB	-4.14	116.27	124.93
31	EF	201	PEB	CHC-C4C-C3C	-4.14	123.27	130.34
31	g8	203	PEB	C3D-C4D-ND	4.14	115.39	107.26
31	YF	203	PEB	CMB-C2B-C1B	4.14	131.44	125.06
31	IA	201	PEB	OA-C1A-C2A	-4.14	122.88	126.17
31	aH	204	PEB	OA-C1A-C2A	-4.14	122.88	126.17
31	GD	202	PEB	CHB-C4B-NB	-4.14	123.08	128.83
31	AC	301	PEB	C3D-C4D-ND	4.14	115.38	107.26
31	V1	203	PEB	OA-C1A-C2A	-4.14	122.88	126.17
31	VB	202	PEB	C3D-C4D-ND	4.14	115.38	107.26
31	JE	201	PEB	CHB-C4B-NB	-4.14	123.08	128.83
31	OF	201	PEB	C2A-C1A-NA	4.14	111.84	108.27
31	LI	203	PEB	C1C-CHB-C4B	-4.14	123.86	128.81
33	N3	1001	CYC	CHB-C4A-C3A	4.14	135.54	124.90
31	ZB	202	PEB	C3D-C4D-ND	4.14	115.38	107.26
31	dC	203	PEB	OA-C1A-C2A	-4.14	122.88	126.17
32	AE	302	PUB	CMA-C2A-C1A	4.14	131.13	121.39
31	l8	203	PEB	C2A-C1A-NA	4.14	111.84	108.27
31	LK	201	PEB	CHC-C4C-C3C	-4.14	123.28	130.34
31	FJ	201	PEB	CHA-C1B-C2B	4.14	135.54	124.90
31	SE	201	PEB	CHA-C1B-NB	-4.14	116.28	124.93
31	fD	201	PEB	OA-C1A-C2A	-4.14	122.88	126.17
33	FD	201	CYC	CHA-C1A-NA	-4.14	123.09	128.83
31	I5	202	PEB	CAB-CBB-CGB	-4.14	104.70	113.60
31	KA	301	PEB	OA-C1A-C2A	-4.14	122.88	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W5	202	PEB	CHB-C4B-C3B	-4.14	115.77	125.32
31	AB	305	PEB	CHB-C4B-NB	-4.14	123.09	128.83
31	VA	201	PEB	C3D-C4D-ND	4.14	115.37	107.26
31	UC	201	PEB	CHA-C1B-NB	-4.14	116.28	124.93
31	gF	201	PEB	C1C-CHB-C4B	4.14	133.75	128.81
31	FI	201	PEB	C3D-C4D-ND	4.14	115.37	107.26
31	YG	202	PEB	CMB-C2B-C1B	4.13	131.43	125.06
31	xF	303	PEB	CHC-C4C-C3C	-4.13	123.29	130.34
31	EH	203	PEB	OA-C1A-C2A	-4.13	122.89	126.17
31	O7	203	PEB	C3B-C4B-NB	4.13	116.06	110.05
32	AC	304	PUB	CAC-C2C-C1C	4.13	132.32	125.01
31	e1	301	PEB	C3D-C4D-ND	4.13	115.37	107.26
31	fB	202	PEB	CHB-C4B-NB	-4.13	123.09	128.83
31	iD	202	PEB	OA-C1A-C2A	-4.13	122.89	126.17
31	j2	201	PEB	C3B-C4B-NB	4.13	116.06	110.05
31	HJ	202	PEB	CHB-C4B-NB	-4.13	123.09	128.83
31	QB	201	PEB	CMA-C2A-C1A	-4.13	103.50	112.40
31	NB	1002	PEB	CHC-C4C-C3C	-4.13	123.29	130.34
31	QH	204	PEB	OA-C1A-C2A	-4.13	122.89	126.17
31	TG	201	PEB	C3D-C4D-ND	4.13	115.36	107.26
33	KB	1001	CYC	CMA-C3A-C4A	4.13	131.43	125.06
31	U6	201	PEB	CHC-C4C-C3C	-4.13	123.29	130.34
31	qF	203	PEB	CHC-C4C-C3C	-4.13	123.29	130.34
31	dJ	401	PEB	CHA-C1B-NB	-4.13	116.29	124.93
31	O8	201	PEB	C2A-C1A-NA	4.13	111.83	108.27
33	BE	1002	CYC	CHB-C4A-C3A	4.13	135.52	124.90
31	aB	201	PEB	C3D-C4D-ND	4.13	115.36	107.26
31	cA	403	PEB	CMB-C2B-C1B	4.13	131.42	125.06
31	iH	202	PEB	CMB-C2B-C1B	4.13	131.42	125.06
33	IE	1001	CYC	OB-C4B-C3B	-4.13	123.56	128.04
31	bD	202	PEB	CHA-C1B-NB	-4.13	116.30	124.93
31	ZF	202	PEB	C3D-C4D-ND	4.13	115.36	107.26
31	IA	201	PEB	CHB-C4B-NB	-4.13	123.10	128.83
31	LD	1002	PEB	CHB-C4B-NB	-4.13	123.10	128.83
31	m8	202	PEB	OA-C1A-C2A	-4.13	122.89	126.17
31	RD	201	PEB	CHC-C1D-ND	-4.13	109.15	113.95
33	EC	1001	CYC	C1B-NB-C4B	-4.13	105.41	110.67
31	BF	202	PEB	C3D-C4D-ND	4.13	115.36	107.26
31	h8	201	PEB	C3D-C4D-ND	4.13	115.36	107.26
31	j8	202	PEB	CHB-C4B-C3B	-4.13	115.78	125.32
31	ZD	201	PEB	CHA-C1B-NB	-4.13	116.30	124.93
31	LA	201	PEB	C3D-C4D-ND	4.13	115.36	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	FC	1001	CYC	C1B-C2B-C3B	-4.13	103.56	107.87
31	i2	202	PEB	C1C-CHB-C4B	-4.13	123.88	128.81
31	UE	202	PEB	C3D-C4D-ND	4.13	115.35	107.26
31	Z2	202	PEB	C4B-C3B-C2B	-4.13	102.22	106.78
31	BA	201	PEB	CHA-C1B-NB	-4.13	116.30	124.93
31	PF	202	PEB	CMB-C2B-C1B	4.13	131.42	125.06
31	HG	203	PEB	C1C-CHB-C4B	4.13	133.74	128.81
31	I7	202	PEB	OA-C1A-C2A	-4.13	122.89	126.17
33	LE	1001	CYC	CHB-C4A-C3A	4.12	135.51	124.90
31	SG	201	PEB	C3B-C4B-NB	4.12	116.05	110.05
31	XF	203	PEB	C3D-C4D-ND	4.12	115.35	107.26
31	DF	201	PEB	CHC-C1D-ND	-4.12	109.16	113.95
31	MA	201	PEB	CMB-C2B-C1B	4.12	131.41	125.06
31	F9	203	PEB	CMB-C2B-C1B	4.12	131.41	125.06
31	n8	201	PEB	CHA-C1B-NB	-4.12	116.31	124.93
31	OF	201	PEB	C3D-C4D-ND	4.12	115.35	107.26
31	e6	202	PEB	C3D-C4D-ND	4.12	115.35	107.26
31	f6	202	PEB	CHB-C4B-NB	-4.12	123.11	128.83
31	Y7	501	PEB	CHC-C4C-C3C	-4.12	123.31	130.34
31	LF	201	PEB	C4B-C3B-C2B	-4.12	102.22	106.78
32	x8	305	PUB	CMA-C2A-C1A	4.12	131.09	121.39
31	HA	201	PEB	C3D-C4D-ND	4.12	115.35	107.26
31	ZH	201	PEB	C3D-C4D-ND	4.12	115.35	107.26
31	SI	201	PEB	C3D-C4D-ND	4.12	115.35	107.26
31	T5	202	PEB	C3D-C4D-ND	4.12	115.35	107.26
31	N1	203	PEB	CAB-CBB-CGB	-4.12	104.73	113.60
31	KA	301	PEB	CHA-C1B-NB	-4.12	116.31	124.93
31	F4	202	PEB	CHC-C1D-ND	-4.12	109.16	113.95
31	YD	202	PEB	C2A-C1A-NA	4.12	111.83	108.27
31	UE	202	PEB	C2A-C1A-NA	4.12	111.83	108.27
31	Y9	201	PEB	CHC-C1D-ND	-4.12	109.16	113.95
31	vF	202	PEB	C1C-CHB-C4B	4.12	133.73	128.81
31	GG	201	PEB	C1B-C2B-C3B	-4.12	101.78	106.51
31	D8	201	PEB	CHC-C1D-ND	-4.12	109.17	113.95
31	VF	202	PEB	C3B-C4B-NB	4.12	116.04	110.05
31	d5	401	PEB	CHA-C1B-NB	-4.12	116.32	124.93
31	a4	201	PEB	OA-C1A-C2A	-4.12	122.90	126.17
31	F4	201	PEB	OD-C4D-ND	-4.12	119.83	125.93
33	EB	1001	CYC	OB-C4B-C3B	-4.12	123.57	128.04
31	UD	202	PEB	C3D-C4D-ND	4.12	115.34	107.26
31	O8	201	PEB	C3D-C4D-ND	4.12	115.34	107.26
31	x8	303	PEB	CHC-C4C-C3C	-4.12	123.31	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	s8	201	PEB	CMB-C2B-C1B	4.12	131.40	125.06
31	J1	202	PEB	C3D-C4D-ND	4.12	115.34	107.26
31	R6	201	PEB	C2A-C1A-NA	4.12	111.82	108.27
31	TB	201	PEB	CMB-C2B-C1B	4.12	131.40	125.06
31	kB	201	PEB	CHB-C4B-NB	-4.12	123.12	128.83
31	s8	203	PEB	CHA-C1B-C2B	4.12	135.48	124.90
32	yF	302	PUB	CMA-C2A-C1A	4.12	131.07	121.39
31	DA	203	PEB	OA-C1A-C2A	-4.12	122.90	126.17
31	B5	203	PEB	C4B-C3B-C2B	-4.11	102.23	106.78
31	b7	501	PEB	OA-C1A-C2A	-4.11	122.90	126.17
33	LD	1001	CYC	CHB-C4A-C3A	4.11	135.48	124.90
31	T6	201	PEB	CMB-C2B-C1B	4.11	131.40	125.06
31	kF	201	PEB	C3D-C4D-ND	4.11	115.33	107.26
31	H5	202	PEB	CHB-C4B-NB	-4.11	123.12	128.83
31	G8	201	PEB	CHC-C1D-ND	-4.11	109.17	113.95
31	F9	202	PEB	CHC-C1D-ND	-4.11	109.17	113.95
31	QH	201	PEB	CHC-C1D-ND	-4.11	109.17	113.95
31	T7	202	PEB	CHA-C1B-NB	-4.11	116.33	124.93
31	UI	201	PEB	CHB-C4B-NB	-4.11	123.12	128.83
31	v8	202	PEB	C1C-CHB-C4B	4.11	133.72	128.81
31	JF	201	PEB	CHC-C4C-C3C	-4.11	123.32	130.34
31	R4	201	PEB	CHC-C4C-C3C	-4.11	123.32	130.34
31	U7	202	PEB	C3D-C4D-ND	4.11	115.33	107.26
31	R4	201	PEB	OA-C1A-C2A	-4.11	122.90	126.17
31	l8	202	PEB	OA-C1A-C2A	-4.11	122.90	126.17
31	T7	201	PEB	CHB-C4B-NB	-4.11	123.12	128.83
31	hH	202	PEB	CHC-C4C-C3C	-4.11	123.33	130.34
31	WJ	202	PEB	CHB-C4B-C3B	-4.11	115.83	125.32
31	sF	203	PEB	CHA-C1B-C2B	4.11	135.47	124.90
33	BD	1002	CYC	CHB-C4A-C3A	4.11	135.47	124.90
31	C4	201	PEB	CHA-C1B-NB	-4.11	116.34	124.93
31	jC	203	PEB	CHA-C1B-NB	-4.11	116.34	124.93
31	q8	203	PEB	CMB-C2B-C1B	4.11	131.39	125.06
31	AB	305	PEB	OA-C1A-C2A	-4.11	122.91	126.17
31	O5	201	PEB	C3B-C4B-NB	4.11	116.03	110.05
32	AD	302	PUB	CMA-C2A-C1A	4.11	131.06	121.39
31	JI	203	PEB	C2A-C1A-NA	4.11	111.81	108.27
31	DF	203	PEB	C1C-CHB-C4B	4.11	133.72	128.81
31	iH	202	PEB	C3D-C4D-ND	4.11	115.32	107.26
31	l8	201	PEB	CHC-C4C-C3C	-4.11	123.33	130.34
33	KB	1001	CYC	OB-C4B-C3B	-4.11	123.58	128.04
31	SI	201	PEB	C4B-C3B-C2B	-4.11	102.24	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	C5	201	PEB	OA-C1A-C2A	-4.11	122.91	126.17
31	VH	201	PEB	CHA-C1B-NB	-4.11	116.34	124.93
31	g8	201	PEB	CHC-C1D-ND	-4.11	109.18	113.95
31	K4	201	PEB	CHA-C1B-NB	-4.11	116.34	124.93
31	X8	203	PEB	C3D-C4D-ND	4.11	115.32	107.26
31	l2	201	PEB	OA-C1A-C2A	-4.11	122.91	126.17
31	a8	201	PEB	C1B-C2B-C3B	-4.11	101.79	106.51
31	a6	201	PEB	C3D-C4D-ND	4.11	115.31	107.26
31	R5	201	PEB	CHC-C4C-C3C	-4.11	123.33	130.34
31	A6	305	PEB	CHC-C4C-C3C	-4.11	123.33	130.34
31	e1	301	PEB	CHC-C4C-C3C	-4.11	123.33	130.34
31	Z2	202	PEB	CHC-C4C-C3C	-4.11	123.33	130.34
31	P8	202	PEB	CMB-C2B-C1B	4.11	131.39	125.06
31	bD	202	PEB	C3D-C4D-ND	4.10	115.31	107.26
31	gF	203	PEB	C3D-C4D-ND	4.10	115.31	107.26
31	jC	201	PEB	C3B-C4B-NB	4.10	116.02	110.05
31	DA	202	PEB	CHC-C4C-C3C	-4.10	123.34	130.34
31	OF	201	PEB	CHA-C1B-NB	-4.10	116.35	124.93
31	kC	203	PEB	OA-C1A-C2A	-4.10	122.91	126.17
31	XF	201	PEB	CHC-C1D-ND	-4.10	109.18	113.95
31	MF	203	PEB	C3D-C4D-ND	4.10	115.31	107.26
31	X4	202	PEB	CMB-C2B-C1B	4.10	131.38	125.06
31	V8	202	PEB	C3B-C4B-NB	4.10	116.02	110.05
31	aH	204	PEB	CHB-C4B-NB	-4.10	123.14	128.83
31	j2	203	PEB	CHA-C1B-NB	-4.10	116.35	124.93
31	A2	301	PEB	C3D-C4D-ND	4.10	115.31	107.26
31	FG	201	PEB	CHC-C1D-ND	-4.10	109.18	113.95
33	LE	1001	CYC	C1B-C2B-C3B	-4.10	103.59	107.87
31	AB	305	PEB	CHC-C4C-C3C	-4.10	123.34	130.34
31	cB	203	PEB	C4B-C3B-C2B	-4.10	102.24	106.78
31	O7	203	PEB	C3D-C4D-ND	4.10	115.31	107.26
31	sF	201	PEB	CMB-C2B-C1B	4.10	131.38	125.06
31	eE	201	PEB	CHB-C4B-NB	-4.10	123.14	128.83
31	hF	201	PEB	C3D-C4D-ND	4.10	115.30	107.26
31	RJ	201	PEB	CHC-C4C-C3C	-4.10	123.34	130.34
31	WC	202	PEB	CMB-C2B-C1B	4.10	131.38	125.06
31	UA	301	PEB	OA-C1A-C2A	-4.10	122.91	126.17
31	NJ	204	PEB	OA-C1A-C2A	-4.10	122.91	126.17
31	J7	201	PEB	C4B-C3B-C2B	-4.10	102.25	106.78
33	HD	1001	CYC	CMB-C2B-C1B	4.10	129.29	124.17
31	cA	401	PEB	C3D-C4D-ND	4.10	115.30	107.26
31	G5	202	PEB	OA-C1A-C2A	-4.10	122.91	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	HE	1001	CYC	CMB-C2B-C1B	4.10	129.28	124.17
31	I8	203	PEB	C1C-CHB-C4B	4.10	133.71	128.81
33	C6	1001	CYC	C2B-C1B-NB	4.10	112.99	106.99
31	C4	203	PEB	CHA-C1B-NB	-4.10	116.36	124.93
31	VK	203	PEB	OA-C1A-C2A	-4.10	122.92	126.17
31	W9	201	PEB	OA-C1A-C2A	-4.10	122.92	126.17
31	WH	202	PEB	CHB-C4B-NB	-4.10	123.14	128.83
31	mE	203	PEB	CHB-C4B-NB	-4.10	123.14	128.83
31	QF	201	PEB	C4B-C3B-C2B	-4.10	102.25	106.78
31	U7	201	PEB	CMB-C2B-C1B	4.10	131.37	125.06
31	D8	203	PEB	C1C-CHB-C4B	4.10	133.70	128.81
31	BH	301	PEB	C3D-C4D-ND	4.10	115.29	107.26
31	dB	202	PEB	C3D-C4D-ND	4.10	115.29	107.26
31	BI	201	PEB	CHC-C1D-ND	-4.09	109.19	113.95
31	TJ	202	PEB	C3D-C4D-ND	4.09	115.29	107.26
31	S9	202	PEB	C4B-C3B-C2B	-4.09	102.25	106.78
31	N5	204	PEB	OA-C1A-C2A	-4.09	122.92	126.17
31	WB	201	PEB	C3D-C4D-ND	4.09	115.29	107.26
31	k8	201	PEB	C3D-C4D-ND	4.09	115.29	107.26
33	ME	1001	CYC	C2B-C1B-NB	4.09	112.98	106.99
31	OJ	201	PEB	C3B-C4B-NB	4.09	116.00	110.05
31	A6	305	PEB	CHB-C4B-NB	-4.09	123.15	128.83
31	BF	201	PEB	C3D-C4D-ND	4.09	115.29	107.26
31	K7	202	PEB	CHC-C4C-C3C	-4.09	123.36	130.34
33	GB	1001	CYC	OB-C4B-C3B	-4.09	123.60	128.04
31	OI	201	PEB	C3B-C4B-NB	4.09	116.00	110.05
31	PA	201	PEB	C3D-C4D-ND	4.09	115.29	107.26
31	PF	202	PEB	C3D-C4D-ND	4.09	115.29	107.26
32	xF	305	PUB	CMA-C2A-C1A	4.09	131.01	121.39
31	AA	501	PEB	CBC-CAC-C2C	-4.09	105.64	112.62
31	K4	203	PEB	OA-C1A-C2A	-4.09	122.92	126.17
31	HF	201	PEB	C1C-CHB-C4B	4.09	133.70	128.81
31	Q1	202	PEB	CHC-C4C-C3C	-4.09	123.36	130.34
31	ZI	304	PEB	C4B-C3B-C2B	-4.09	102.25	106.78
31	w8	303	PEB	C3D-C4D-ND	4.09	115.28	107.26
31	b7	503	PEB	OA-C1A-C2A	-4.09	122.92	126.17
31	eH	202	PEB	C3D-C4D-ND	4.09	115.28	107.26
31	dF	202	PEB	CMB-C2B-C1B	4.09	131.36	125.06
31	O2	203	PEB	CHB-C4B-NB	-4.09	123.15	128.83
31	k6	201	PEB	CHB-C4B-NB	-4.09	123.15	128.83
31	L5	201	PEB	C3D-C4D-ND	4.09	115.28	107.26
31	KD	201	PEB	CHB-C4B-NB	-4.09	123.16	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	x8	304	PEB	C2A-C1A-NA	4.09	111.80	108.27
31	lF	203	PEB	C2A-C1A-NA	4.09	111.80	108.27
31	l2	202	PEB	CHC-C4C-C3C	-4.09	123.36	130.34
31	bB	201	PEB	CHC-C4C-C3C	-4.09	123.36	130.34
31	H5	202	PEB	CHA-C1B-C2B	4.09	135.41	124.90
31	d6	201	PEB	C3D-C4D-ND	4.09	115.28	107.26
31	SI	203	PEB	CMB-C2B-C1B	4.09	131.36	125.06
33	CB	1001	CYC	C2B-C1B-NB	4.09	112.97	106.99
33	F2	1001	CYC	OC-C1C-C2C	-4.09	122.92	126.17
31	dB	201	PEB	C3D-C4D-ND	4.09	115.28	107.26
31	SA	201	PEB	CHC-C1D-ND	-4.09	109.20	113.95
33	D6	1001	CYC	C1B-C2B-C3B	-4.09	103.61	107.87
31	p8	202	PEB	C3D-C4D-ND	4.09	115.27	107.26
31	pF	202	PEB	C3D-C4D-ND	4.09	115.27	107.26
31	V6	202	PEB	C4B-C3B-C2B	-4.09	102.26	106.78
32	AD	303	PUB	CMA-C2A-C1A	4.09	131.00	121.39
31	UB	201	PEB	CHC-C4C-C3C	-4.08	123.37	130.34
31	WE	203	PEB	OA-C1A-C2A	-4.08	122.93	126.17
31	UG	201	PEB	OA-C1A-C2A	-4.08	122.93	126.17
31	N4	201	PEB	OA-C1A-C2A	-4.08	122.93	126.17
31	LH	201	PEB	C3D-C4D-ND	4.08	115.27	107.26
31	M4	202	PEB	C3D-C4D-ND	4.08	115.27	107.26
31	a4	203	PEB	OA-C1A-C2A	-4.08	122.93	126.17
31	Z9	301	PEB	C3D-C4D-ND	4.08	115.27	107.26
31	VK	201	PEB	CHA-C1B-NB	-4.08	116.39	124.93
31	a2	202	PEB	OA-C1A-C2A	-4.08	122.93	126.17
31	G8	201	PEB	C1B-C2B-C3B	-4.08	101.82	106.51
31	PD	201	PEB	CHA-C1B-NB	-4.08	116.40	124.93
31	lB	202	PEB	C3D-C4D-ND	4.08	115.27	107.26
31	V1	201	PEB	CHA-C1B-NB	-4.08	116.40	124.93
32	y8	302	PUB	CMA-C2A-C1A	4.08	130.99	121.39
31	SG	202	PEB	CHC-C4C-C3C	-4.08	123.38	130.34
31	H4	202	PEB	CHA-C1B-NB	-4.08	116.40	124.93
31	Z6	202	PEB	C3D-C4D-ND	4.08	115.26	107.26
31	VE	201	PEB	OA-C1A-C2A	-4.08	122.93	126.17
31	O5	202	PEB	OA-C1A-C2A	-4.08	122.93	126.17
31	SB	202	PEB	CHA-C1B-NB	-4.08	116.40	124.93
31	O8	203	PEB	OA-C1A-C2A	-4.08	122.93	126.17
33	FC	1001	CYC	OC-C1C-C2C	-4.08	122.93	126.17
31	a8	201	PEB	CHC-C1D-ND	-4.08	109.21	113.95
31	lE	201	PEB	C2A-C1A-NA	4.08	111.79	108.27
31	UJ	202	PEB	CHC-C1D-ND	-4.08	109.21	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	b7	502	PEB	CMB-C2B-C1B	4.08	131.34	125.06
31	E5	202	PEB	C3B-C4B-NB	4.08	115.98	110.05
31	IF	203	PEB	C1C-CHB-C4B	4.08	133.68	128.81
31	NK	201	PEB	C2A-C1A-NA	4.08	111.79	108.27
31	qF	203	PEB	CMB-C2B-C1B	4.07	131.34	125.06
31	iF	202	PEB	CHC-C4C-C3C	-4.07	123.39	130.34
31	U7	201	PEB	CHB-C4B-C3B	-4.07	115.91	125.32
31	IF	201	PEB	CHC-C4C-C3C	-4.07	123.39	130.34
31	RH	201	PEB	OA-C1A-C2A	-4.07	122.93	126.17
31	ZI	303	PEB	CMB-C2B-C1B	4.07	131.34	125.06
31	RA	202	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	KH	201	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	NH	202	PEB	C4B-C3B-C2B	-4.07	102.27	106.78
31	YI	202	PEB	CHB-C4B-NB	-4.07	123.18	128.83
31	JK	201	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	AH	302	PEB	CHA-C1B-NB	-4.07	116.41	124.93
33	E6	1001	CYC	C2B-C1B-NB	4.07	112.95	106.99
31	Q8	201	PEB	C4B-C3B-C2B	-4.07	102.28	106.78
33	KC	201	CYC	OC-C1C-C2C	-4.07	122.94	126.17
31	NK	201	PEB	CHA-C1B-NB	-4.07	116.41	124.93
31	D8	203	PEB	CHA-C1B-NB	-4.07	116.41	124.93
31	Y4	202	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	H9	202	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	KE	201	PEB	CHB-C4B-NB	-4.07	123.18	128.83
31	e6	202	PEB	CHB-C4B-NB	-4.07	123.18	128.83
31	PK	201	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	FB	1002	PEB	C2A-C1A-NA	4.07	111.78	108.27
31	P1	201	PEB	CHC-C4C-C3C	-4.07	123.39	130.34
31	P7	202	PEB	OA-C1A-C2A	-4.07	122.94	126.17
31	n8	202	PEB	OA-C1A-C2A	-4.07	122.94	126.17
31	HF	202	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	V8	202	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	YB	202	PEB	CHC-C1D-ND	-4.07	109.22	113.95
31	MI	305	PEB	C4B-C3B-C2B	-4.07	102.28	106.78
31	bE	201	PEB	CHA-C1B-NB	-4.07	116.42	124.93
31	l6	202	PEB	C3D-C4D-ND	4.07	115.25	107.26
31	gA	203	PEB	CMB-C2B-C1B	4.07	131.33	125.06
31	e8	203	PEB	C1C-CHB-C4B	4.07	133.67	128.81
31	M9	301	PEB	C3D-C4D-ND	4.07	115.24	107.26
31	eB	202	PEB	C3D-C4D-ND	4.07	115.24	107.26
33	LD	1001	CYC	C1B-C2B-C3B	-4.07	103.62	107.87
31	ZC	202	PEB	C4B-C3B-C2B	-4.07	102.28	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PK	201	PEB	CHC-C4C-C3C	-4.07	123.40	130.34
31	Q4	204	PEB	CHC-C4C-C3C	-4.07	123.40	130.34
31	HA	203	PEB	CMB-C2B-C1B	4.07	131.33	125.06
31	HJ	202	PEB	CHA-C1B-C2B	4.07	135.37	124.90
31	oF	202	PEB	CHB-C4B-NB	-4.07	123.18	128.83
31	TG	201	PEB	C4B-C3B-C2B	-4.07	102.28	106.78
31	S6	201	PEB	CHA-C1B-NB	-4.07	116.42	124.93
31	PA	201	PEB	CHC-C4C-C3C	-4.07	123.40	130.34
31	bE	201	PEB	CHC-C1D-ND	-4.07	109.22	113.95
33	MD	1001	CYC	C2B-C1B-NB	4.07	112.94	106.99
31	CA	201	PEB	CHA-C1B-NB	-4.07	116.42	124.93
31	VC	201	PEB	OA-C1A-C2A	-4.07	122.94	126.17
31	MA	201	PEB	CHB-C4B-NB	-4.07	123.19	128.83
31	d4	202	PEB	C3D-C4D-ND	4.07	115.24	107.26
31	P8	202	PEB	C3D-C4D-ND	4.07	115.24	107.26
31	N1	201	PEB	C2A-C1A-NA	4.07	111.78	108.27
31	bB	201	PEB	CHB-C4B-C3B	-4.07	115.92	125.32
32	wF	304	PUB	CHC-C1D-ND	-4.07	108.58	113.72
33	C6	1001	CYC	CMA-C3A-C4A	4.07	131.33	125.06
31	SI	202	PEB	C1C-CHB-C4B	4.07	133.67	128.81
31	YE	202	PEB	C2A-C1A-NA	4.07	111.78	108.27
31	GF	201	PEB	CHC-C1D-ND	-4.07	109.23	113.95
31	h6	201	PEB	C3B-C4B-NB	4.07	115.96	110.05
31	TK	201	PEB	C3D-C4D-ND	4.07	115.23	107.26
33	E6	1001	CYC	OB-C4B-C3B	-4.06	123.63	128.04
31	ND	201	PEB	C3D-C4D-ND	4.06	115.23	107.26
32	A6	302	PUB	CMA-C2A-C1A	4.06	130.95	121.39
31	H1	201	PEB	C2A-C1A-NA	4.06	111.78	108.27
31	QA	202	PEB	C3D-C4D-ND	4.06	115.23	107.26
32	AB	303	PUB	CMA-C2A-C1A	4.06	130.94	121.39
31	mH	201	PEB	C1C-CHB-C4B	-4.06	123.96	128.81
31	J1	201	PEB	C3D-C4D-ND	4.06	115.23	107.26
31	BF	201	PEB	CHB-C4B-NB	-4.06	123.19	128.83
31	HH	201	PEB	C4B-C3B-C2B	-4.06	102.29	106.78
31	f4	203	PEB	CHC-C1D-ND	-4.06	109.23	113.95
31	YC	202	PEB	C1C-CHB-C4B	4.06	133.66	128.81
31	CH	202	PEB	OA-C1A-C2A	-4.06	122.94	126.17
31	YH	202	PEB	C3D-C4D-ND	4.06	115.22	107.26
31	B8	201	PEB	C3D-C4D-ND	4.06	115.22	107.26
31	G8	201	PEB	OD-C4D-ND	-4.06	119.92	125.93
31	aF	201	PEB	C1B-C2B-C3B	-4.06	101.85	106.51
31	G8	201	PEB	C2A-C1A-NA	4.06	111.77	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W4	201	PEB	CHB-C4B-NB	-4.06	123.20	128.83
31	OB	202	PEB	C3D-C4D-ND	4.06	115.22	107.26
31	TH	201	PEB	C3D-C4D-ND	4.06	115.22	107.26
31	K7	201	PEB	OA-C1A-C2A	-4.06	122.95	126.17
31	aH	201	PEB	CHC-C4C-C3C	-4.06	123.42	130.34
31	JI	202	PEB	CHB-C4B-NB	-4.06	123.20	128.83
31	P1	203	PEB	CHC-C1D-ND	-4.06	109.23	113.95
31	DC	1002	PEB	CMB-C2B-C1B	4.06	131.31	125.06
31	lF	202	PEB	OA-C1A-C2A	-4.06	122.95	126.17
31	o8	202	PEB	CHB-C4B-NB	-4.06	123.20	128.83
31	jF	202	PEB	CHB-C4B-C3B	-4.06	115.95	125.32
31	K7	202	PEB	C3B-C4B-NB	4.06	115.95	110.05
31	PH	201	PEB	C3D-C4D-ND	4.06	115.22	107.26
31	BJ	201	PEB	OA-C1A-C2A	-4.06	122.95	126.17
31	e4	202	PEB	CMB-C2B-C1B	4.06	131.31	125.06
31	aC	202	PEB	CMB-C2B-C1B	4.06	131.31	125.06
31	IA	203	PEB	CHC-C4C-C3C	-4.06	123.42	130.34
31	QK	202	PEB	CHC-C4C-C3C	-4.06	123.42	130.34
31	PC	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	G4	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	SI	203	PEB	C3D-C4D-ND	4.05	115.21	107.26
31	CF	201	PEB	C3D-C4D-ND	4.05	115.21	107.26
31	HI	203	PEB	CHA-C1B-NB	-4.05	116.45	124.93
31	b6	201	PEB	CHB-C4B-C3B	-4.05	115.96	125.32
31	MI	304	PEB	CMB-C2B-C1B	4.05	131.31	125.06
31	CH	201	PEB	C3D-C4D-ND	4.05	115.21	107.26
31	wF	303	PEB	C3D-C4D-ND	4.05	115.21	107.26
31	C4	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	gD	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	JA	201	PEB	CHC-C1D-ND	-4.05	109.24	113.95
31	DF	203	PEB	CHA-C1B-NB	-4.05	116.46	124.93
31	C4	201	PEB	C3D-C4D-ND	4.05	115.21	107.26
31	i4	201	PEB	CHC-C4C-C3C	-4.05	123.43	130.34
31	UB	201	PEB	C4B-NB-C1B	-4.05	98.88	106.51
31	IJ	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	fC	203	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	cF	203	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	eH	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
32	AE	303	PUB	CMA-C2A-C1A	4.05	130.92	121.39
31	LJ	201	PEB	C3D-C4D-ND	4.05	115.21	107.26
33	EB	1001	CYC	C2B-C1B-NB	4.05	112.92	106.99
31	MI	302	PEB	C4B-C3B-C2B	-4.05	102.30	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	j4	203	PEB	C3D-C4D-ND	4.05	115.21	107.26
31	F9	201	PEB	C3B-C4B-NB	4.05	115.94	110.05
31	PE	201	PEB	CHA-C1B-NB	-4.05	116.46	124.93
31	j6	201	PEB	CHB-C4B-C3B	-4.05	115.96	125.32
31	H4	201	PEB	CHC-C1D-ND	4.05	118.65	113.95
33	FD	202	CYC	OB-C4B-C3B	-4.05	123.64	128.04
31	PA	201	PEB	CHB-C4B-NB	-4.05	123.21	128.83
31	F9	201	PEB	C1C-CHB-C4B	4.05	133.65	128.81
31	SH	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	GJ	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	Q9	201	PEB	CMB-C2B-C1B	4.05	131.30	125.06
31	PK	203	PEB	CHC-C1D-ND	-4.05	109.25	113.95
31	GA	202	PEB	C3D-C4D-ND	4.05	115.20	107.26
31	MA	201	PEB	C3D-C4D-ND	4.05	115.20	107.26
31	UK	201	PEB	OD-C4D-ND	-4.05	119.93	125.93
32	y8	303	PUB	CHB-C1C-NC	-4.05	123.21	128.83
31	Q6	201	PEB	C4B-NB-C1B	-4.05	98.88	106.51
31	R6	202	PEB	OA-C1A-C2A	-4.05	122.95	126.17
31	ID	201	PEB	C2A-C1A-NA	4.05	111.76	108.27
32	yF	303	PUB	CHB-C1C-NC	-4.05	123.21	128.83
31	ZI	301	PEB	C4B-C3B-C2B	-4.05	102.30	106.78
31	KA	301	PEB	CBC-CAC-C2C	4.05	119.53	112.62
32	Q4	202	PUB	CHA-C4A-NA	-4.05	109.25	113.95
31	V5	201	PEB	C3D-C4D-ND	4.05	115.20	107.26
31	F4	202	PEB	C1C-CHB-C4B	-4.05	123.98	128.81
31	U7	201	PEB	CHC-C4C-C3C	-4.05	123.44	130.34
31	E5	201	PEB	CHB-C4B-NB	-4.04	123.22	128.83
31	gF	201	PEB	C3B-C4B-NB	4.04	115.93	110.05
31	M8	203	PEB	C3D-C4D-ND	4.04	115.19	107.26
31	fE	201	PEB	OA-C1A-C2A	-4.04	122.96	126.17
33	DB	1001	CYC	C1B-C2B-C3B	-4.04	103.65	107.87
31	O6	202	PEB	C3D-C4D-ND	4.04	115.19	107.26
31	OC	203	PEB	C2A-C1A-NA	4.04	111.76	108.27
31	JA	201	PEB	CHC-C4C-C3C	-4.04	123.44	130.34
31	N1	201	PEB	CHA-C1B-NB	-4.04	116.47	124.93
31	eF	203	PEB	C1C-CHB-C4B	4.04	133.64	128.81
33	HB	1001	CYC	OC-C1C-C2C	-4.04	122.96	126.17
33	H6	1001	CYC	C1B-NB-C4B	-4.04	105.52	110.67
31	NE	201	PEB	C3D-C4D-ND	4.04	115.19	107.26
31	W2	202	PEB	CMB-C2B-C1B	4.04	131.29	125.06
31	UD	202	PEB	C2A-C1A-NA	4.04	111.76	108.27
31	s8	203	PEB	C1B-C2B-C3B	-4.04	101.87	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	CB	1001	CYC	CMA-C3A-C4A	4.04	131.29	125.06
31	BJ	203	PEB	C4B-C3B-C2B	-4.04	102.31	106.78
31	P1	201	PEB	C3D-C4D-ND	4.04	115.19	107.26
31	M7	201	PEB	C3D-C4D-ND	4.04	115.19	107.26
31	fA	301	PEB	CHC-C1D-ND	-4.04	109.25	113.95
31	a2	202	PEB	CMB-C2B-C1B	4.04	131.29	125.06
31	NH	201	PEB	C3D-C4D-ND	4.04	115.19	107.26
31	IH	201	PEB	CHB-C4B-NB	-4.04	123.22	128.83
31	U6	201	PEB	C4B-NB-C1B	-4.04	98.90	106.51
31	OG	201	PEB	C3B-C4B-NB	4.04	115.92	110.05
31	jB	201	PEB	CHB-C4B-C3B	-4.04	115.99	125.32
31	b6	201	PEB	CHC-C4C-C3C	-4.04	123.45	130.34
31	jF	201	PEB	C4B-C3B-C2B	-4.04	102.31	106.78
31	bD	202	PEB	CHC-C1D-ND	-4.04	109.26	113.95
31	SI	203	PEB	CHA-C1B-NB	-4.04	116.48	124.93
31	OI	202	PEB	C3B-C4B-NB	4.04	115.92	110.05
31	K8	202	PEB	C3D-C4D-ND	4.04	115.18	107.26
31	kB	201	PEB	OA-C1A-C2A	-4.04	122.96	126.17
31	R2	202	PEB	C3D-C4D-ND	4.04	115.18	107.26
32	AH	303	PUB	OD-C4D-C3D	-4.04	123.66	128.04
32	A6	303	PUB	CMA-C2A-C1A	4.04	130.89	121.39
31	TF	201	PEB	OA-C1A-NA	4.04	129.83	124.94
31	VF	202	PEB	C3D-C4D-ND	4.04	115.18	107.26
32	MI	303	PUB	CBA-CAA-C3A	-4.04	106.86	112.98
31	Y6	202	PEB	CHC-C1D-ND	-4.04	109.26	113.95
31	U9	202	PEB	C4B-C3B-C2B	-4.04	102.31	106.78
31	W7	201	PEB	OA-C1A-C2A	-4.04	122.96	126.17
31	HF	201	PEB	CMB-C2B-C1B	4.04	131.28	125.06
31	a4	204	PEB	CMB-C2B-C1B	4.04	131.28	125.06
31	TA	202	PEB	C1C-CHB-C4B	-4.04	123.99	128.81
31	TA	201	PEB	CHC-C4C-C3C	-4.04	123.45	130.34
31	eD	201	PEB	CHB-C4B-NB	-4.04	123.23	128.83
31	h4	201	PEB	CHC-C1D-ND	-4.04	109.26	113.95
31	fH	203	PEB	CHC-C1D-ND	-4.04	109.26	113.95
31	bB	201	PEB	C3B-C4B-NB	4.04	115.92	110.05
32	AB	302	PUB	CMA-C2A-C1A	4.04	130.88	121.39
31	Y5	202	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	Q7	202	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	bB	202	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	aF	201	PEB	CHC-C1D-ND	-4.03	109.26	113.95
31	VJ	201	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	dA	202	PEB	C3D-C4D-ND	4.03	115.17	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	D1	201	PEB	C4B-C3B-C2B	-4.03	102.32	106.78
31	OG	201	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	AJ	304	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	D2	1002	PEB	CMB-C2B-C1B	4.03	131.28	125.06
31	GF	201	PEB	OD-C4D-ND	-4.03	119.95	125.93
31	Y9	201	PEB	C2A-C1A-NA	4.03	111.75	108.27
31	F7	201	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	C8	201	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	KG	201	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	HA	203	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	XA	202	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	cD	202	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	QB	201	PEB	C4B-NB-C1B	-4.03	98.92	106.51
31	LA	201	PEB	C2A-C1A-NA	4.03	111.75	108.27
31	RB	201	PEB	C2A-C1A-NA	4.03	111.75	108.27
31	Q2	203	PEB	C1B-C2B-C3B	-4.03	101.88	106.51
31	LE	1002	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	I7	201	PEB	C3D-C4D-ND	4.03	115.17	107.26
31	Z2	201	PEB	CHA-C4A-NA	4.03	130.00	125.20
31	R8	202	PEB	C3B-C4B-NB	4.03	115.91	110.05
31	UH	202	PEB	OD-C4D-ND	-4.03	119.96	125.93
31	S8	202	PEB	C3D-C4D-ND	4.03	115.16	107.26
31	WD	203	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	IH	201	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	SD	202	PEB	C3D-C4D-ND	4.03	115.16	107.26
31	J8	202	PEB	C3D-C4D-ND	4.03	115.16	107.26
32	Q4	202	PUB	C1C-C2C-C3C	-4.03	102.33	106.78
31	A7	203	PEB	OA-C1A-C2A	-4.03	122.97	126.17
33	K6	1001	CYC	OB-C4B-C3B	-4.03	123.67	128.04
31	U5	201	PEB	CBC-CAC-C2C	-4.03	105.75	112.62
31	JA	202	PEB	C3D-C4D-ND	4.03	115.16	107.26
32	ZI	302	PUB	CBA-CAA-C3A	-4.03	106.87	112.98
31	h6	202	PEB	OA-C1A-C2A	-4.03	122.97	126.17
31	RH	201	PEB	CHA-C1B-NB	-4.03	116.51	124.93
31	NA	203	PEB	C3D-C4D-ND	4.02	115.16	107.26
31	R6	203	PEB	C3D-C4D-ND	4.02	115.16	107.26
31	S6	201	PEB	C3D-C4D-ND	4.02	115.16	107.26
31	TA	201	PEB	CHC-C1D-ND	-4.02	109.27	113.95
31	fB	201	PEB	C3B-C4B-NB	4.02	115.90	110.05
31	RG	203	PEB	C3D-C4D-ND	4.02	115.15	107.26
31	FF	202	PEB	C3B-C4B-NB	4.02	115.90	110.05
31	dA	201	PEB	C3D-C4D-ND	4.02	115.15	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RA	202	PEB	OA-C1A-C2A	-4.02	122.97	126.17
31	SB	201	PEB	CHC-C4C-C3C	-4.02	123.47	130.34
31	c4	202	PEB	CAB-C3B-C4B	4.02	132.13	125.01
31	C5	201	PEB	C3D-C4D-ND	4.02	115.15	107.26
31	V9	202	PEB	C3D-C4D-ND	4.02	115.15	107.26
31	QA	202	PEB	CMB-C2B-C1B	4.02	131.26	125.06
31	T8	201	PEB	OA-C1A-NA	4.02	129.81	124.94
31	T1	201	PEB	C3D-C4D-ND	4.02	115.15	107.26
31	X1	202	PEB	C3B-C4B-NB	4.02	115.90	110.05
31	O2	201	PEB	C1B-C2B-C3B	-4.02	101.89	106.51
31	VG	203	PEB	C3D-C4D-ND	4.02	115.15	107.26
31	H8	202	PEB	C3D-C4D-ND	4.02	115.15	107.26
31	SH	201	PEB	OA-C1A-C2A	-4.02	122.98	126.17
31	X5	201	PEB	OA-C1A-C2A	-4.02	122.98	126.17
31	R8	202	PEB	OA-C1A-C2A	-4.02	122.98	126.17
31	Y5	201	PEB	C3D-C4D-ND	4.02	115.15	107.26
31	S9	201	PEB	CHA-C1B-NB	-4.02	116.52	124.93
31	TA	202	PEB	OA-C1A-C2A	-4.02	122.98	126.17
31	LG	202	PEB	CMB-C2B-C1B	4.02	131.25	125.06
31	d2	203	PEB	C2A-C1A-NA	4.02	111.74	108.27
31	C7	202	PEB	C3D-C4D-ND	4.02	115.14	107.26
31	YI	201	PEB	CAB-C3B-C4B	4.02	132.12	125.01
31	F8	202	PEB	C3B-C4B-NB	4.02	115.89	110.05
31	GA	202	PEB	CHC-C4C-C3C	-4.02	123.48	130.34
31	c4	201	PEB	C3D-C4D-ND	4.02	115.14	107.26
31	CJ	201	PEB	OA-C1A-C2A	-4.02	122.98	126.17
31	K1	202	PEB	OA-C1A-C2A	-4.02	122.98	126.17
33	H6	1001	CYC	OC-C1C-C2C	-4.02	122.98	126.17
31	PD	201	PEB	CHC-C4C-C3C	-4.02	123.48	130.34
31	WI	201	PEB	C3D-C4D-ND	4.02	115.14	107.26
31	IH	202	PEB	C3D-C4D-ND	4.02	115.14	107.26
33	M6	1001	CYC	C1B-NB-C4B	-4.02	105.55	110.67
31	b6	201	PEB	C3B-C4B-NB	4.02	115.89	110.05
31	jF	202	PEB	OA-C1A-C2A	-4.02	122.98	126.17
33	y3	1001	CYC	CHB-C4A-C3A	4.02	135.23	124.90
31	RC	202	PEB	C3D-C4D-ND	4.02	115.14	107.26
31	UA	302	PEB	CHC-C4C-C3C	-4.02	123.49	130.34
31	M5	201	PEB	C3D-C4D-ND	4.02	115.14	107.26
31	Q8	203	PEB	C1B-C2B-C3B	-4.01	101.90	106.51
31	E9	202	PEB	C3D-C4D-ND	4.01	115.14	107.26
31	g8	201	PEB	C3B-C4B-NB	4.01	115.89	110.05
31	EJ	201	PEB	CHB-C4B-NB	-4.01	123.26	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	E8	201	PEB	C3D-C4D-ND	4.01	115.14	107.26
31	PK	201	PEB	OD-C4D-ND	-4.01	119.98	125.93
33	ID	1001	CYC	OB-C4B-C3B	-4.01	123.68	128.04
31	kC	202	PEB	CHC-C1D-ND	-4.01	109.29	113.95
31	T9	202	PEB	C3D-C4D-ND	4.01	115.13	107.26
31	S7	201	PEB	CHC-C4C-C3C	4.01	137.18	130.34
31	R9	202	PEB	C3D-C4D-ND	4.01	115.13	107.26
33	J6	1001	CYC	C2B-C1B-NB	4.01	112.86	106.99
33	x3	1001	CYC	C4D-CHA-C1A	4.01	133.60	128.81
31	SF	202	PEB	CHC-C1D-ND	-4.01	109.29	113.95
31	XK	202	PEB	C3B-C4B-NB	4.01	115.89	110.05
31	VE	201	PEB	CHC-C1D-ND	-4.01	109.29	113.95
31	WF	201	PEB	C1B-C2B-C3B	-4.01	101.90	106.51
31	O9	202	PEB	C4B-C3B-C2B	-4.01	102.34	106.78
31	gA	202	PEB	C3D-C4D-ND	4.01	115.13	107.26
31	A8	202	PEB	CHC-C1D-ND	-4.01	109.29	113.95
33	F6	1001	CYC	CBD-CAD-C3D	-4.01	105.78	112.62
31	LD	1002	PEB	OA-C1A-C2A	-4.01	122.98	126.17
31	AB	304	PEB	CHC-C4C-C3C	-4.01	123.50	130.34
31	A1	202	PEB	CHC-C4C-C3C	-4.01	123.50	130.34
31	H9	203	PEB	CHC-C4C-C3C	-4.01	123.50	130.34
31	RB	203	PEB	C3D-C4D-ND	4.01	115.13	107.26
31	JG	201	PEB	C3B-C4B-NB	4.01	115.88	110.05
31	dA	201	PEB	CHC-C4C-C3C	-4.01	123.50	130.34
31	P8	202	PEB	C1C-CHB-C4B	4.01	133.60	128.81
31	n8	202	PEB	C3D-C4D-ND	4.01	115.13	107.26
31	lD	203	PEB	C3D-C4D-ND	4.01	115.13	107.26
31	PE	202	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	SG	201	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	NH	201	PEB	C2A-C1A-NA	4.01	111.73	108.27
31	hA	301	PEB	CHC-C1D-ND	-4.01	109.29	113.95
31	T7	202	PEB	CHC-C4C-C3C	-4.01	123.50	130.34
31	RK	201	PEB	OA-C1A-C2A	-4.01	122.99	126.17
31	J4	201	PEB	OA-C1A-C2A	-4.01	122.99	126.17
31	g6	202	PEB	OA-C1A-C2A	-4.01	122.99	126.17
31	GH	201	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	GA	203	PEB	C2A-C1A-NA	4.01	111.73	108.27
31	EF	201	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	W5	202	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	HA	201	PEB	CHB-C4B-NB	-4.01	123.27	128.83
31	gH	201	PEB	C4B-C3B-C2B	-4.01	102.35	106.78
33	BD	1001	CYC	CMA-C3A-C4A	4.01	131.24	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	NG	202	PEB	OA-C1A-C2A	-4.01	122.99	126.17
31	W4	203	PEB	OA-C1A-C2A	-4.01	122.99	126.17
31	hB	202	PEB	OA-C1A-C2A	-4.01	122.99	126.17
32	YK	304	PUB	CBA-CAA-C3A	-4.01	106.90	112.98
31	O2	203	PEB	C2A-C1A-NA	4.01	111.73	108.27
31	j8	201	PEB	C4B-C3B-C2B	-4.01	102.35	106.78
31	JA	202	PEB	C1C-CHB-C4B	-4.01	124.02	128.81
31	UJ	201	PEB	CBC-CAC-C2C	-4.01	105.78	112.62
31	S2	201	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	e4	202	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	lF	202	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	B5	202	PEB	CHB-C4B-NB	-4.01	123.27	128.83
31	L5	203	PEB	OA-C1A-C2A	-4.01	122.99	126.17
31	dE	204	PEB	CHC-C4C-C3C	-4.01	123.50	130.34
33	V3	1001	CYC	C4D-CHA-C1A	4.01	133.59	128.81
31	S6	202	PEB	CHC-C4C-C3C	-4.01	123.51	130.34
31	L4	201	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	b6	201	PEB	C3D-C4D-ND	4.01	115.12	107.26
31	K9	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	X9	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	X1	201	PEB	CMB-C2B-C1B	4.00	131.23	125.06
31	iD	201	PEB	CHB-C4B-NB	-4.00	123.27	128.83
31	ZD	202	PEB	C4B-C3B-C2B	-4.00	102.35	106.78
31	Y9	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	gH	201	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	JA	201	PEB	OD-C4D-ND	-4.00	120.00	125.93
31	RA	201	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	N9	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	EJ	202	PEB	C3B-C4B-NB	4.00	115.87	110.05
31	OE	201	PEB	OD-C4D-ND	-4.00	120.00	125.93
33	W3	1001	CYC	CHB-C4A-C3A	4.00	135.19	124.90
33	63	901	CYC	CHA-C1A-NA	-4.00	123.28	128.83
31	RF	202	PEB	C3B-C4B-NB	4.00	115.87	110.05
31	J8	201	PEB	CHC-C4C-C3C	-4.00	123.51	130.34
31	SE	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	ZA	201	PEB	OA-C1A-C2A	-4.00	122.99	126.17
31	LE	1002	PEB	OA-C1A-C2A	-4.00	122.99	126.17
31	h4	202	PEB	OA-C1A-C2A	-4.00	122.99	126.17
31	C7	201	PEB	OA-C1A-C2A	-4.00	122.99	126.17
31	ZH	202	PEB	C4B-C3B-C2B	-4.00	102.35	106.78
31	D5	203	PEB	C1B-C2B-C3B	-4.00	101.91	106.51
31	hB	201	PEB	C3B-C4B-NB	4.00	115.87	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	LI	201	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	C9	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	t8	201	PEB	CHC-C4C-C3C	-4.00	123.51	130.34
31	IH	203	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	QF	203	PEB	C1B-C2B-C3B	-4.00	101.91	106.51
31	AH	302	PEB	CMB-C2B-C1B	4.00	131.22	125.06
31	JK	201	PEB	OA-C1A-C2A	-4.00	122.99	126.17
33	JB	1001	CYC	OC-C1C-C2C	-4.00	122.99	126.17
31	k2	202	PEB	CHC-C1D-ND	-4.00	109.30	113.95
33	JB	1001	CYC	C2B-C1B-NB	4.00	112.84	106.99
31	VK	201	PEB	CHC-C4C-C3C	-4.00	123.52	130.34
31	V1	203	PEB	CHB-C4B-NB	-4.00	123.28	128.83
31	FK	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	F1	202	PEB	C3D-C4D-ND	4.00	115.11	107.26
31	YJ	202	PEB	OA-C1A-C2A	-4.00	122.99	126.17
31	U8	201	PEB	OA-C1A-C2A	4.00	129.35	126.17
31	dD	204	PEB	CHC-C4C-C3C	-4.00	123.52	130.34
31	VK	203	PEB	CHB-C4B-NB	-4.00	123.28	128.83
31	eA	201	PEB	CMB-C2B-C1B	4.00	131.22	125.06
31	Z9	303	PEB	C1B-C2B-C3B	-4.00	101.92	106.51
31	PD	202	PEB	C3D-C4D-ND	4.00	115.10	107.26
31	h6	201	PEB	C3D-C4D-ND	4.00	115.10	107.26
31	J8	201	PEB	C3D-C4D-ND	4.00	115.10	107.26
31	nF	201	PEB	CHC-C4C-C3C	-4.00	123.52	130.34
31	FH	202	PEB	C3D-C4D-ND	4.00	115.10	107.26
31	DI	203	PEB	CHB-C4B-NB	-4.00	123.28	128.83
31	mD	203	PEB	CHB-C4B-NB	-4.00	123.28	128.83
31	XK	201	PEB	CMB-C2B-C1B	4.00	131.22	125.06
31	RD	202	PEB	C3D-C4D-ND	4.00	115.10	107.26
31	RF	201	PEB	CHA-C1B-NB	-4.00	116.57	124.93
31	FC	1002	PEB	CHC-C4C-C3C	-4.00	123.52	130.34
31	VA	201	PEB	CMB-C2B-C1B	4.00	131.22	125.06
31	jE	201	PEB	CHB-C4B-NB	-4.00	123.28	128.83
31	JF	202	PEB	C3D-C4D-ND	4.00	115.10	107.26
31	RK	202	PEB	C3B-C4B-NB	4.00	115.86	110.05
31	G8	202	PEB	C3D-C4D-ND	4.00	115.10	107.26
31	AK	202	PEB	CHC-C4C-C3C	-4.00	123.52	130.34
31	YK	303	PEB	C2A-C1A-NA	4.00	111.72	108.27
31	U9	201	PEB	C1C-CHB-C4B	3.99	133.58	128.81
31	C4	202	PEB	C3D-C4D-ND	3.99	115.10	107.26
31	JB	1002	PEB	C2A-C1A-NA	3.99	111.72	108.27
31	ZH	202	PEB	C3D-C4D-ND	3.99	115.09	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I9	202	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	S6	201	PEB	CMA-C2A-C1A	-3.99	103.79	112.40
31	K4	201	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	W9	201	PEB	CHC-C1D-ND	-3.99	109.31	113.95
31	YB	202	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	B7	202	PEB	CHA-C1B-NB	-3.99	116.58	124.93
31	mH	201	PEB	C4B-C3B-C2B	-3.99	102.36	106.78
31	CJ	201	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	g4	201	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	M9	303	PEB	C1B-C2B-C3B	-3.99	101.92	106.51
31	DK	201	PEB	C4B-C3B-C2B	-3.99	102.36	106.78
31	L9	202	PEB	C4B-C3B-C2B	-3.99	102.36	106.78
32	A4	304	PUB	C1C-C2C-C3C	-3.99	102.36	106.78
31	NA	201	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	JH	201	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	YH	203	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	E1	201	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	G7	202	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	Y8	201	PEB	CHB-C4B-NB	-3.99	123.29	128.83
31	Y9	201	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	GA	203	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	TB	202	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	UC	202	PEB	OD-C4D-ND	-3.99	120.02	125.93
31	V1	201	PEB	CHC-C4C-C3C	-3.99	123.53	130.34
31	UA	302	PEB	C2A-C1A-NA	3.99	111.71	108.27
31	DB	1002	PEB	C2A-C1A-NA	3.99	111.71	108.27
31	ZA	203	PEB	CHA-C1B-NB	-3.99	116.59	124.93
31	PE	201	PEB	CHC-C4C-C3C	-3.99	123.53	130.34
31	UG	202	PEB	CHC-C4C-C3C	-3.99	123.53	130.34
31	U1	201	PEB	OD-C4D-ND	-3.99	120.02	125.93
31	PC	201	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	NH	202	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	R1	201	PEB	OA-C1A-C2A	-3.99	123.00	126.17
32	y8	303	PUB	C1C-C2C-C3C	-3.99	102.37	106.78
31	F1	203	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	P9	202	PEB	C3D-C4D-ND	3.99	115.09	107.26
31	lC	202	PEB	CHC-C1D-ND	-3.99	109.32	113.95
31	J1	201	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	i6	202	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	iB	202	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	EK	201	PEB	C3D-C4D-ND	3.99	115.08	107.26
31	N8	202	PEB	C3D-C4D-ND	3.99	115.08	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	zF	501	PEB	C3B-C4B-NB	3.99	115.85	110.05
31	A6	304	PEB	CHC-C4C-C3C	-3.99	123.54	130.34
31	EG	202	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	H4	202	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	SB	202	PEB	C3D-C4D-ND	3.99	115.08	107.26
31	HE	1002	PEB	CHC-C4C-C3C	-3.99	123.54	130.34
31	n8	201	PEB	CHC-C4C-C3C	-3.99	123.54	130.34
31	qF	201	PEB	C3D-C4D-ND	3.99	115.08	107.26
31	FI	202	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	O7	201	PEB	OA-C1A-C2A	-3.99	123.00	126.17
31	e8	203	PEB	OA-C1A-C2A	-3.99	123.00	126.17
33	J6	1001	CYC	OC-C1C-C2C	-3.99	123.00	126.17
31	GF	202	PEB	C3D-C4D-ND	3.99	115.08	107.26
31	KF	202	PEB	C3D-C4D-ND	3.99	115.08	107.26
31	EA	501	PEB	C1C-CHB-C4B	-3.98	124.05	128.81
31	QA	204	PEB	C3D-C4D-ND	3.98	115.08	107.26
31	FK	202	PEB	C2A-C1A-NA	3.98	111.71	108.27
31	s8	201	PEB	OA-C1A-C2A	-3.98	123.00	126.17
32	Y1	304	PUB	CBA-CAA-C3A	-3.98	106.94	112.98
31	YG	202	PEB	CHC-C4C-C3C	-3.98	123.54	130.34
33	KE	202	CYC	C4D-CHA-C1A	3.98	133.57	128.81
32	yF	303	PUB	CMA-C2A-C1A	3.98	130.76	121.39
31	iE	201	PEB	CHB-C4B-NB	-3.98	123.30	128.83
31	VK	201	PEB	C1B-C2B-C3B	-3.98	101.93	106.51
31	l4	201	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	A9	202	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	TF	202	PEB	C3B-C4B-NB	3.98	115.84	110.05
31	hA	301	PEB	C4B-C3B-C2B	-3.98	102.37	106.78
31	ZD	202	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	WJ	202	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	SA	203	PEB	OD-C4D-ND	-3.98	120.03	125.93
31	C5	201	PEB	CHC-C4C-C3C	-3.98	123.55	130.34
31	c8	203	PEB	OA-C1A-C2A	-3.98	123.01	126.17
31	f8	202	PEB	CHB-C4B-NB	-3.98	123.30	128.83
31	AF	202	PEB	CHC-C1D-ND	-3.98	109.32	113.95
31	L5	203	PEB	CHC-C1D-ND	-3.98	109.32	113.95
33	73	1002	CYC	CBD-CAD-C3D	-3.98	105.83	112.62
31	ZH	201	PEB	CBC-CAC-C2C	-3.98	105.83	112.62
31	NJ	202	PEB	OA-C1A-C2A	-3.98	123.01	126.17
31	TJ	201	PEB	OA-C1A-C2A	-3.98	123.01	126.17
31	YK	303	PEB	CHC-C1D-ND	-3.98	109.33	113.95
31	f6	201	PEB	C3B-C4B-NB	3.98	115.84	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gA	203	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	TA	202	PEB	C3D-C4D-ND	3.98	115.07	107.26
32	yF	303	PUB	C1C-C2C-C3C	-3.98	102.38	106.78
31	aE	201	PEB	OA-C1A-C2A	-3.98	123.01	126.17
33	BE	1001	CYC	CMA-C3A-C4A	3.98	131.19	125.06
31	hC	201	PEB	C1B-C2B-C3B	-3.98	101.94	106.51
31	IA	203	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	QA	201	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	UI	204	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	BK	202	PEB	C3D-C4D-ND	3.98	115.07	107.26
31	F2	1002	PEB	CHC-C4C-C3C	-3.98	123.55	130.34
31	gH	202	PEB	CHC-C1D-ND	-3.98	109.33	113.95
31	hB	201	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	OI	201	PEB	CAB-C3B-C4B	3.98	132.05	125.01
31	aC	201	PEB	OA-C1A-C2A	-3.98	123.01	126.17
31	H5	202	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	nF	202	PEB	C3D-C4D-ND	3.98	115.06	107.26
32	ZI	305	PUB	C2C-C1C-NC	3.98	115.83	110.05
31	jH	203	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	YI	203	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	HJ	202	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	XJ	201	PEB	OA-C1A-C2A	-3.98	123.01	126.17
31	YI	201	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	vF	202	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	TA	201	PEB	OD-C4D-ND	-3.98	120.04	125.93
31	cF	203	PEB	OD-C4D-ND	-3.98	120.04	125.93
31	KK	201	PEB	C3B-C4B-NB	3.98	115.83	110.05
31	V6	202	PEB	C3B-C4B-NB	3.98	115.83	110.05
31	ZD	203	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	b2	202	PEB	OA-C1A-C2A	-3.98	123.01	126.17
31	SD	201	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	dC	201	PEB	CHC-C1D-ND	-3.98	109.33	113.95
33	HB	1001	CYC	C1B-NB-C4B	-3.98	105.61	110.67
31	F7	201	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	hH	201	PEB	C3D-C4D-ND	3.98	115.06	107.26
31	S7	202	PEB	C3D-C4D-ND	3.97	115.06	107.26
31	v8	202	PEB	C3D-C4D-ND	3.97	115.06	107.26
31	A6	305	PEB	OA-C1A-C2A	-3.97	123.01	126.17
31	R1	202	PEB	C3B-C4B-NB	3.97	115.83	110.05
31	T8	202	PEB	C3B-C4B-NB	3.97	115.83	110.05
31	a4	202	PEB	C3D-C4D-ND	3.97	115.06	107.26
31	A6	305	PEB	C3D-C4D-ND	3.97	115.06	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WI	201	PEB	CAB-C3B-C4B	3.97	132.04	125.01
32	y8	303	PUB	CMA-C2A-C1A	3.97	130.74	121.39
31	P2	201	PEB	OA-C1A-C2A	-3.97	123.01	126.17
31	D7	202	PEB	OA-C1A-C2A	-3.97	123.01	126.17
31	i8	202	PEB	CHC-C4C-C3C	-3.97	123.56	130.34
31	SJ	201	PEB	C3B-C4B-NB	3.97	115.83	110.05
31	K1	201	PEB	C3B-C4B-NB	3.97	115.83	110.05
31	a2	202	PEB	CHC-C1D-ND	-3.97	109.33	113.95
31	aA	202	PEB	CHC-C1D-ND	-3.97	109.33	113.95
31	OB	201	PEB	CMA-C2A-C1A	-3.97	103.84	112.40
33	GE	201	CYC	C2B-C1B-NB	3.97	112.80	106.99
31	Y1	303	PEB	CHC-C1D-ND	-3.97	109.33	113.95
31	T1	203	PEB	OA-C1A-C2A	-3.97	123.02	126.17
31	l8	202	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	cD	201	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	cE	201	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	O6	201	PEB	CMA-C2A-C1A	-3.97	103.84	112.40
31	RE	202	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	fD	201	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	Y1	303	PEB	C2A-C1A-NA	3.97	111.70	108.27
31	jH	201	PEB	CHA-C1B-NB	-3.97	116.63	124.93
31	OH	201	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	X5	202	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	rF	202	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	aC	202	PEB	OA-C1A-C2A	-3.97	123.02	126.17
33	DD	1001	CYC	CMA-C3A-C4A	3.97	131.18	125.06
31	D8	202	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	CK	201	PEB	C1C-CHB-C4B	3.97	133.55	128.81
31	DJ	203	PEB	C1B-C2B-C3B	-3.97	101.95	106.51
31	m8	202	PEB	CHB-C4B-NB	-3.97	123.32	128.83
31	RF	201	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	G9	202	PEB	C3D-C4D-ND	3.97	115.05	107.26
31	tF	201	PEB	CHC-C4C-C3C	-3.97	123.57	130.34
31	GH	203	PEB	OA-C1A-C2A	-3.97	123.02	126.17
31	SE	201	PEB	C3D-C4D-ND	3.97	115.04	107.26
31	V7	202	PEB	CHA-C1B-NB	-3.97	116.63	124.93
31	l6	202	PEB	CHC-C4C-C3C	-3.97	123.57	130.34
31	DF	202	PEB	C3D-C4D-ND	3.97	115.04	107.26
31	M1	201	PEB	CHA-C1B-NB	-3.97	116.63	124.93
31	R8	201	PEB	CHA-C1B-NB	-3.97	116.63	124.93
33	M6	1001	CYC	C2C-C1C-NC	3.97	111.69	108.27
31	C1	201	PEB	C1C-CHB-C4B	3.97	133.55	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fE	201	PEB	C3D-C4D-ND	3.97	115.04	107.26
31	aB	202	PEB	C3D-C4D-ND	3.97	115.04	107.26
31	OC	201	PEB	C1B-C2B-C3B	-3.97	101.95	106.51
31	GG	201	PEB	C2A-C1A-NA	3.97	111.69	108.27
33	DE	1001	CYC	CMA-C3A-C4A	3.97	131.17	125.06
31	E4	202	PEB	OA-C1A-C2A	-3.97	123.02	126.17
31	cE	202	PEB	C3D-C4D-ND	3.97	115.04	107.26
31	XK	201	PEB	CHB-C4B-NB	-3.96	123.33	128.83
31	ZE	202	PEB	C4B-C3B-C2B	-3.96	102.39	106.78
31	m4	201	PEB	CHC-C1D-ND	-3.96	109.34	113.95
33	MB	1001	CYC	C2C-C1C-NC	3.96	111.69	108.27
31	ZE	202	PEB	C3D-C4D-ND	3.96	115.04	107.26
31	eA	201	PEB	CHC-C4C-C3C	-3.96	123.58	130.34
31	F6	1002	PEB	C3D-C4D-ND	3.96	115.04	107.26
31	bB	202	PEB	C3D-C4D-ND	3.96	115.04	107.26
31	cH	202	PEB	C3D-C4D-ND	3.96	115.04	107.26
31	TB	201	PEB	C2A-C1A-NA	3.96	111.69	108.27
31	xF	304	PEB	C2A-C1A-NA	3.96	111.69	108.27
31	DA	201	PEB	CHC-C1D-ND	-3.96	109.34	113.95
31	a4	204	PEB	CHC-C1D-ND	-3.96	109.34	113.95
31	H8	201	PEB	CMB-C2B-C1B	3.96	131.17	125.06
31	SF	203	PEB	OA-C1A-C2A	-3.96	123.02	126.17
31	cA	401	PEB	OA-C1A-C2A	-3.96	123.02	126.17
31	H7	202	PEB	CHA-C1B-NB	-3.96	116.64	124.93
31	o8	202	PEB	CHC-C4C-C3C	-3.96	123.58	130.34
31	BA	203	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	SF	202	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	x8	304	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	U2	202	PEB	OD-C4D-ND	-3.96	120.06	125.93
31	RA	201	PEB	OA-C1A-C2A	-3.96	123.02	126.17
31	ZD	202	PEB	OA-C1A-C2A	-3.96	123.02	126.17
31	XG	202	PEB	OA-C1A-C2A	-3.96	123.02	126.17
31	HD	1002	PEB	CHC-C4C-C3C	-3.96	123.58	130.34
31	kH	201	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	kB	201	PEB	CHC-C4C-C3C	-3.96	123.58	130.34
31	PF	201	PEB	CHA-C1B-NB	-3.96	116.65	124.93
31	dA	201	PEB	OA-C1A-C2A	-3.96	123.02	126.17
31	aD	201	PEB	OA-C1A-C2A	-3.96	123.02	126.17
31	JF	201	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	a6	202	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	PG	202	PEB	OA-C1A-C2A	-3.96	123.03	126.17
31	TK	203	PEB	OA-C1A-C2A	-3.96	123.03	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	h4	203	PEB	OA-C1A-C2A	-3.96	123.03	126.17
31	G7	201	PEB	OA-C1A-C2A	-3.96	123.03	126.17
31	l6	201	PEB	C1B-C2B-C3B	-3.96	101.96	106.51
31	MK	201	PEB	CHA-C1B-NB	-3.96	116.65	124.93
31	WG	202	PEB	C2A-C1A-NA	3.96	111.69	108.27
33	LD	1001	CYC	C2C-C1C-NC	3.96	111.69	108.27
32	w8	304	PUB	CHA-C1B-C2B	-3.96	123.58	130.34
31	YK	301	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	q8	201	PEB	C3D-C4D-ND	3.96	115.03	107.26
31	M9	303	PEB	C3D-C4D-ND	3.96	115.03	107.26
33	73	1002	CYC	CAB-C3B-C4B	3.96	127.63	121.38
31	VK	201	PEB	OA-C1A-C2A	-3.96	123.03	126.17
31	FJ	203	PEB	C4B-C3B-C2B	-3.96	102.40	106.78
31	N1	202	PEB	C3B-C4B-NB	3.96	115.81	110.05
31	WA	402	PEB	CBC-CAC-C2C	3.96	119.37	112.62
31	LD	1002	PEB	C3D-C4D-ND	3.96	115.02	107.26
31	PH	202	PEB	C3D-C4D-ND	3.96	115.02	107.26
31	BJ	202	PEB	CHB-C4B-NB	-3.96	123.34	128.83
32	M9	304	PUB	OD-C4D-C3D	-3.96	123.75	128.04
31	s8	203	PEB	CBA-CAA-C3A	-3.96	104.66	113.47
31	GG	203	PEB	OA-C1A-C2A	-3.96	123.03	126.17
32	Z9	304	PUB	CAC-C2C-C1C	3.96	132.01	125.01
31	SB	202	PEB	CMA-C2A-C1A	-3.96	103.88	112.40
31	YE	201	PEB	C3D-C4D-ND	3.96	115.02	107.26
31	f8	202	PEB	C3D-C4D-ND	3.96	115.02	107.26
32	Z9	304	PUB	OD-C4D-C3D	-3.96	123.75	128.04
31	Z4	201	PEB	C3D-C4D-ND	3.96	115.02	107.26
31	r8	202	PEB	C3D-C4D-ND	3.96	115.02	107.26
31	X1	201	PEB	CHB-C4B-NB	-3.96	123.34	128.83
31	QC	201	PEB	OA-C1A-C2A	-3.96	123.03	126.17
31	S9	201	PEB	CHB-C4B-NB	-3.95	123.34	128.83
31	DA	203	PEB	C3D-C4D-ND	3.95	115.02	107.26
33	MB	1001	CYC	C1B-NB-C4B	-3.95	105.63	110.67
31	B9	202	PEB	CHC-C1D-ND	-3.95	109.36	113.95
31	MK	201	PEB	C2A-C1A-NA	3.95	111.68	108.27
31	k2	201	PEB	CBA-CAA-C3A	3.95	122.27	113.47
31	OF	203	PEB	OA-C1A-C2A	-3.95	123.03	126.17
31	W2	203	PEB	CHB-C4B-NB	-3.95	123.34	128.83
31	QA	204	PEB	CMB-C2B-C1B	3.95	131.15	125.06
31	W8	201	PEB	C1B-C2B-C3B	-3.95	101.97	106.51
31	S8	202	PEB	CHC-C1D-ND	-3.95	109.36	113.95
31	gF	202	PEB	CHC-C1D-ND	-3.95	109.36	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZE	203	PEB	C3D-C4D-ND	3.95	115.02	107.26
33	CE	1001	CYC	OB-C4B-C3B	-3.95	123.75	128.04
31	HF	201	PEB	C1B-C2B-C3B	-3.95	101.97	106.51
31	Y9	201	PEB	C1B-C2B-C3B	-3.95	101.97	106.51
31	Y7	502	PEB	CHC-C4C-C3C	-3.95	123.59	130.34
31	KK	202	PEB	OA-C1A-C2A	-3.95	123.03	126.17
31	AK	202	PEB	CHA-C1B-NB	-3.95	116.66	124.93
32	CI	203	PUB	C2C-C1C-NC	3.95	115.80	110.05
31	SC	201	PEB	C3D-C4D-ND	3.95	115.01	107.26
31	KJ	202	PEB	CHA-C1B-NB	-3.95	116.67	124.93
31	J6	1002	PEB	C4B-C3B-C2B	-3.95	102.41	106.78
31	RG	203	PEB	C2A-C1A-NA	3.95	111.68	108.27
31	R8	201	PEB	C3D-C4D-ND	3.95	115.01	107.26
31	sF	203	PEB	CBA-CAA-C3A	-3.95	104.67	113.47
32	M9	304	PUB	CAC-C2C-C1C	3.95	132.00	125.01
31	P4	201	PEB	C3D-C4D-ND	3.95	115.01	107.26
31	gC	203	PEB	C2A-C1A-NA	3.95	111.68	108.27
31	ZA	203	PEB	C3D-C4D-ND	3.95	115.01	107.26
31	YF	201	PEB	C3D-C4D-ND	3.95	115.01	107.26
31	A1	202	PEB	CHA-C1B-NB	-3.95	116.67	124.93
31	P1	202	PEB	C4B-C3B-C2B	-3.95	102.41	106.78
31	B4	301	PEB	CMB-C2B-C1B	3.95	131.15	125.06
31	HG	201	PEB	C3B-C4B-NB	3.95	115.80	110.05
31	DE	1002	PEB	CHC-C4C-C3C	-3.95	123.60	130.34
31	MJ	201	PEB	C3D-C4D-ND	3.95	115.01	107.26
31	IE	203	PEB	C3D-C4D-ND	3.95	115.01	107.26
31	U2	201	PEB	OA-C1A-C2A	-3.95	123.03	126.17
31	Y2	202	PEB	OA-C1A-C2A	-3.95	123.03	126.17
31	F7	202	PEB	OA-C1A-C2A	-3.95	123.03	126.17
31	GG	201	PEB	C4B-C3B-C2B	-3.95	102.41	106.78
31	T2	201	PEB	C4B-C3B-C2B	-3.95	102.41	106.78
33	FB	1001	CYC	CBD-CAD-C3D	-3.95	105.88	112.62
31	KA	301	PEB	CMB-C2B-C1B	3.95	131.14	125.06
31	FJ	203	PEB	OD-C4D-ND	-3.95	120.08	125.93
31	LJ	201	PEB	CHC-C1D-ND	-3.95	109.36	113.95
31	K5	202	PEB	CHA-C1B-NB	-3.95	116.67	124.93
31	B1	202	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	U2	202	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	bB	201	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	KA	304	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	QC	202	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	LJ	203	PEB	CHC-C1D-ND	-3.95	109.36	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U7	202	PEB	OA-C1A-C2A	-3.95	123.03	126.17
31	YH	202	PEB	CHC-C4C-C3C	-3.95	123.61	130.34
31	X1	201	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	HE	1002	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	d4	201	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	TK	202	PEB	CHA-C1B-NB	-3.95	116.68	124.93
31	J4	201	PEB	CMB-C2B-C1B	3.95	131.14	125.06
31	TF	202	PEB	C3D-C4D-ND	3.95	115.00	107.26
31	AG	202	PEB	OA-C1A-C2A	-3.95	123.04	126.17
31	TG	201	PEB	C2A-C1A-NA	3.95	111.67	108.27
31	m6	203	PEB	CHC-C1D-ND	-3.95	109.37	113.95
31	W9	201	PEB	C3D-C4D-ND	3.94	115.00	107.26
31	lB	202	PEB	CHC-C4C-C3C	-3.94	123.61	130.34
31	fD	202	PEB	CHC-C4C-C3C	-3.94	123.61	130.34
31	P1	201	PEB	OD-C4D-ND	-3.94	120.09	125.93
31	FB	1002	PEB	C3D-C4D-ND	3.94	115.00	107.26
31	Q4	203	PEB	C3D-C4D-ND	3.94	115.00	107.26
31	HG	203	PEB	CHA-C1B-C2B	3.94	135.04	124.90
31	Y8	201	PEB	C3D-C4D-ND	3.94	115.00	107.26
31	dJ	401	PEB	C3D-C4D-ND	3.94	115.00	107.26
33	L6	1001	CYC	C2B-C1B-NB	3.94	112.76	106.99
31	d5	401	PEB	C3D-C4D-ND	3.94	115.00	107.26
31	T6	202	PEB	C3D-C4D-ND	3.94	115.00	107.26
31	B9	201	PEB	C3D-C4D-ND	3.94	115.00	107.26
31	YF	201	PEB	CHB-C4B-NB	-3.94	123.36	128.83
31	T1	202	PEB	CHA-C1B-NB	-3.94	116.69	124.93
31	j4	201	PEB	OA-C1A-C2A	-3.94	123.04	126.17
31	U1	202	PEB	C2A-C1A-NA	3.94	111.67	108.27
31	PH	201	PEB	OD-C4D-ND	-3.94	120.09	125.93
31	MI	305	PEB	CHC-C4C-C3C	-3.94	123.61	130.34
31	OD	201	PEB	OD-C4D-ND	-3.94	120.09	125.93
31	Z9	303	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	JB	1002	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	X1	202	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	PB	202	PEB	CHC-C1D-ND	-3.94	109.37	113.95
31	FC	1002	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	S8	202	PEB	CHA-C1B-C2B	3.94	135.03	124.90
31	YJ	201	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	AB	305	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	fF	202	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	QA	201	PEB	OA-C1A-C2A	-3.94	123.04	126.17
31	E7	203	PEB	OA-C1A-C2A	-3.94	123.04	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	G4	201	PEB	CMB-C2B-C1B	3.94	131.13	125.06
31	M9	302	PEB	CMB-C2B-C1B	3.94	131.13	125.06
31	X4	201	PEB	CBC-CAC-C2C	-3.94	105.90	112.62
31	FK	203	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	c8	203	PEB	OD-C4D-ND	-3.94	120.09	125.93
31	E5	202	PEB	C3D-C4D-ND	3.94	114.99	107.26
31	NH	202	PEB	CHC-C1D-ND	-3.94	109.37	113.95
31	iH	202	PEB	CHA-C1B-NB	-3.94	116.69	124.93
31	jD	201	PEB	CHB-C4B-NB	-3.94	123.36	128.83
31	N1	203	PEB	C3D-C4D-ND	3.94	114.98	107.26
31	fA	301	PEB	C3D-C4D-ND	3.94	114.98	107.26
31	PF	201	PEB	CHC-C4C-C3C	-3.94	123.62	130.34
31	C7	201	PEB	CHC-C4C-C3C	3.94	137.05	130.34
31	T6	201	PEB	C2A-C1A-NA	3.94	111.67	108.27
31	Z4	202	PEB	C4B-C3B-C2B	-3.94	102.42	106.78
31	fC	202	PEB	C4B-C3B-C2B	-3.94	102.42	106.78
31	T7	202	PEB	CMB-C2B-C1B	3.94	131.13	125.06
31	S5	201	PEB	C3B-C4B-NB	3.94	115.78	110.05
33	W3	1001	CYC	CMB-C2B-C1B	3.94	129.08	124.17
31	BA	203	PEB	CHB-C4B-NB	-3.94	123.37	128.83
32	A4	303	PUB	C1C-C2C-C3C	-3.94	102.43	106.78
31	d2	203	PEB	CHC-C4C-C3C	-3.94	123.62	130.34
31	F1	202	PEB	C2A-C1A-NA	3.94	111.67	108.27
31	WI	202	PEB	CHC-C1D-ND	-3.94	109.38	113.95
31	m2	202	PEB	CHC-C1D-ND	-3.94	109.38	113.95
31	RH	202	PEB	CHC-C4C-C3C	-3.94	123.62	130.34
31	TG	203	PEB	OA-C1A-C2A	-3.94	123.04	126.17
31	T5	201	PEB	OA-C1A-C2A	-3.94	123.04	126.17
31	z8	501	PEB	C3B-C4B-NB	3.93	115.77	110.05
31	XJ	202	PEB	C3D-C4D-ND	3.93	114.98	107.26
31	D6	1002	PEB	C3D-C4D-ND	3.93	114.98	107.26
31	dE	202	PEB	C3D-C4D-ND	3.93	114.98	107.26
31	YK	301	PEB	C2A-C1A-NA	3.93	111.67	108.27
31	f6	202	PEB	C3D-C4D-ND	3.93	114.98	107.26
31	aA	201	PEB	C4B-C3B-C2B	-3.93	102.43	106.78
31	kC	201	PEB	CBA-CAA-C3A	3.93	122.23	113.47
31	JA	202	PEB	OA-C1A-C2A	-3.93	123.05	126.17
31	B1	201	PEB	OA-C1A-C2A	-3.93	123.05	126.17
33	DC	1001	CYC	OB-C4B-C3B	-3.93	123.77	128.04
31	y8	301	PEB	C3D-C4D-ND	3.93	114.98	107.26
31	Y1	301	PEB	C3D-C4D-ND	3.93	114.98	107.26
31	O4	201	PEB	C3D-C4D-ND	3.93	114.98	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	S8	203	PEB	OA-C1A-C2A	-3.93	123.05	126.17
31	S4	201	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	VB	202	PEB	C3B-C4B-NB	3.93	115.77	110.05
31	I5	201	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	H8	201	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	hD	203	PEB	CHC-C1D-ND	-3.93	109.38	113.95
31	V1	201	PEB	C1B-C2B-C3B	-3.93	101.99	106.51
31	EH	202	PEB	CHC-C4C-C3C	-3.93	123.63	130.34
31	U7	203	PEB	OA-C1A-C2A	-3.93	123.05	126.17
32	AH	303	PUB	C1C-C2C-C3C	-3.93	102.43	106.78
31	b8	201	PEB	CHC-C1D-ND	-3.93	109.38	113.95
31	YA	201	PEB	CHC-C4C-C3C	-3.93	123.63	130.34
32	A2	303	PUB	C1D-CHC-C4C	-3.93	104.81	113.37
31	YD	201	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	BK	203	PEB	CHB-C4B-NB	-3.93	123.38	128.83
31	l2	203	PEB	CHC-C1D-ND	-3.93	109.38	113.95
33	H6	1001	CYC	CHB-C1B-NB	-3.93	117.62	126.06
31	HD	1002	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	Q7	201	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	JH	201	PEB	C4B-C3B-C2B	-3.93	102.43	106.78
31	U4	202	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	gA	201	PEB	CHC-C4C-C3C	-3.93	123.64	130.34
31	mF	202	PEB	CHB-C4B-NB	-3.93	123.38	128.83
31	yF	301	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	C8	202	PEB	C3B-C4B-NB	3.93	115.76	110.05
31	Q7	201	PEB	CHA-C1B-NB	-3.93	116.72	124.93
31	l4	202	PEB	CMB-C2B-C1B	3.93	131.11	125.06
31	VF	201	PEB	OA-C1A-NA	3.93	129.70	124.94
31	C1	201	PEB	C3D-C4D-ND	3.93	114.97	107.26
31	k6	201	PEB	CHC-C4C-C3C	-3.93	123.64	130.34
31	EH	203	PEB	C3D-C4D-ND	3.93	114.96	107.26
31	xF	304	PEB	C3D-C4D-ND	3.93	114.96	107.26
31	P7	202	PEB	CHA-C1B-NB	-3.93	116.72	124.93
31	M1	201	PEB	C2A-C1A-NA	3.93	111.66	108.27
31	UD	201	PEB	C3D-C4D-ND	3.93	114.96	107.26
31	T8	202	PEB	C3D-C4D-ND	3.93	114.96	107.26
31	kB	201	PEB	C3D-C4D-ND	3.93	114.96	107.26
31	KG	203	PEB	OA-C1A-C2A	-3.93	123.05	126.17
31	E7	202	PEB	OA-C1A-C2A	-3.93	123.05	126.17
31	AK	201	PEB	CAB-CBB-CGB	-3.93	105.15	113.60
31	b7	503	PEB	CHC-C4C-C3C	-3.93	123.64	130.34
31	DI	203	PEB	C2A-C1A-NA	3.93	111.66	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	mF	201	PEB	C4B-C3B-C2B	-3.93	102.44	106.78
31	NF	202	PEB	C3D-C4D-ND	3.93	114.96	107.26
31	OI	201	PEB	CAA-C3A-C4A	-3.92	102.59	112.67
31	WA	401	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	F2	1002	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	iC	202	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	DA	201	PEB	C2A-C1A-NA	3.92	111.66	108.27
31	NG	203	PEB	C2A-C1A-NA	3.92	111.66	108.27
33	y3	1001	CYC	CMB-C2B-C1B	3.92	129.07	124.17
31	ZA	201	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	ZA	202	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	XK	201	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	Q2	202	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	V4	202	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	R1	202	PEB	OD-C4D-ND	-3.92	120.12	125.93
31	aC	202	PEB	CHC-C1D-ND	-3.92	109.39	113.95
31	OA	201	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	fB	202	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	Z9	302	PEB	CMB-C2B-C1B	3.92	131.11	125.06
31	b7	502	PEB	CHA-C1B-NB	-3.92	116.73	124.93
31	GD	202	PEB	C3B-C4B-NB	3.92	115.76	110.05
31	I4	202	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	mB	203	PEB	C3D-C4D-ND	3.92	114.96	107.26
31	Y1	302	PEB	OA-C1A-C2A	-3.92	123.05	126.17
33	CB	1001	CYC	CBD-CAD-C3D	-3.92	105.93	112.62
31	J6	1002	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	ZI	304	PEB	CHC-C4C-C3C	-3.92	123.65	130.34
31	F5	203	PEB	OD-C4D-ND	-3.92	120.12	125.93
31	G4	202	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	R5	201	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	dC	203	PEB	CHC-C4C-C3C	-3.92	123.65	130.34
31	d2	201	PEB	CHC-C1D-ND	-3.92	109.39	113.95
31	S7	202	PEB	C1B-C2B-C3B	-3.92	102.00	106.51
31	AH	302	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	bA	201	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	R7	201	PEB	OA-C1A-C2A	-3.92	123.06	126.17
31	gE	202	PEB	OA-C1A-C2A	-3.92	123.06	126.17
31	NB	1002	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	T1	203	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	V2	201	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	TK	203	PEB	C2A-C1A-NA	3.92	111.65	108.27
31	Y5	201	PEB	C4B-C3B-C2B	-3.92	102.44	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	NK	202	PEB	C3B-C4B-NB	3.92	115.75	110.05
31	W4	202	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	IE	202	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	RK	202	PEB	OD-C4D-ND	-3.92	120.12	125.93
31	LJ	203	PEB	OA-C1A-C2A	-3.92	123.06	126.17
31	GG	203	PEB	CHC-C4C-C3C	-3.92	123.65	130.34
31	S9	203	PEB	CHC-C4C-C3C	-3.92	123.65	130.34
31	PB	202	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	HI	203	PEB	C3D-C4D-ND	3.92	114.95	107.26
33	C6	1001	CYC	CHB-C4A-NA	-3.92	116.73	124.93
31	V8	201	PEB	OA-C1A-NA	3.92	129.69	124.94
31	LG	201	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	m6	203	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	hF	202	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	QG	201	PEB	CBC-CAC-C2C	-3.92	105.93	112.62
31	E4	201	PEB	OA-C1A-C2A	-3.92	123.06	126.17
31	LG	202	PEB	CHC-C4C-C3C	-3.92	123.65	130.34
31	LI	203	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	h8	201	PEB	CMB-C2B-C1B	3.92	131.10	125.06
31	J8	202	PEB	CHB-C4B-C3B	-3.92	116.27	125.32
31	PF	202	PEB	C1C-CHB-C4B	3.92	133.49	128.81
31	MH	201	PEB	CHB-C4B-NB	-3.92	123.39	128.83
31	UE	201	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	N4	201	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	p8	201	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	D9	202	PEB	C3D-C4D-ND	3.92	114.95	107.26
31	KH	203	PEB	OA-C1A-C2A	-3.92	123.06	126.17
33	CB	1001	CYC	CHB-C4A-NA	-3.92	116.74	124.93
31	k6	202	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	T8	201	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	Q9	201	PEB	C1B-C2B-C3B	-3.92	102.01	106.51
31	D6	1002	PEB	C2A-C1A-NA	3.92	111.65	108.27
31	DD	1002	PEB	CHC-C4C-C3C	-3.92	123.66	130.34
31	CF	202	PEB	C3B-C4B-NB	3.92	115.75	110.05
31	TK	203	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	HG	202	PEB	CHC-C4C-C3C	-3.92	123.66	130.34
31	XH	202	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	D4	202	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	A6	304	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	xF	303	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	aH	202	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	BA	201	PEB	C2A-C1A-NA	3.92	111.65	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WC	203	PEB	CHB-C4B-NB	-3.92	123.39	128.83
31	Y6	203	PEB	C3D-C4D-ND	3.92	114.94	107.26
31	QG	201	PEB	CMB-C2B-C1B	3.92	131.09	125.06
31	oF	202	PEB	CHC-C4C-C3C	-3.92	123.66	130.34
31	B7	201	PEB	CHB-C4B-NB	-3.92	123.40	128.83
33	HB	1001	CYC	CHB-C1B-NB	-3.92	117.65	126.06
33	K6	1001	CYC	C2C-C1C-NC	3.91	111.65	108.27
31	R7	202	PEB	C3D-C4D-ND	3.91	114.94	107.26
31	dD	202	PEB	C3D-C4D-ND	3.91	114.94	107.26
32	wF	304	PUB	CHA-C1B-C2B	-3.91	123.66	130.34
31	l4	203	PEB	C2A-C1A-NA	3.91	111.65	108.27
33	DD	1001	CYC	CBD-CAD-C3D	-3.91	105.94	112.62
31	MI	302	PEB	CHA-C1B-NB	-3.91	116.75	124.93
31	NA	202	PEB	C3D-C4D-ND	3.91	114.94	107.26
33	LE	1001	CYC	C2B-C1B-NB	3.91	112.72	106.99
31	H5	201	PEB	CHA-C1B-NB	-3.91	116.75	124.93
31	dA	202	PEB	C2A-C1A-NA	3.91	111.65	108.27
31	CG	202	PEB	OA-C1A-C2A	-3.91	123.06	126.17
31	kB	202	PEB	C3D-C4D-ND	3.91	114.94	107.26
31	U6	202	PEB	CHB-C4B-NB	-3.91	123.40	128.83
31	E7	201	PEB	C3D-C4D-ND	3.91	114.93	107.26
33	H6	1001	CYC	C1B-C2B-C3B	-3.91	103.79	107.87
31	XA	202	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	HG	203	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	RG	202	PEB	OA-C1A-C2A	-3.91	123.06	126.17
31	UH	201	PEB	OA-C1A-C2A	-3.91	123.06	126.17
31	S7	203	PEB	OA-C1A-C2A	-3.91	123.06	126.17
31	QC	203	PEB	C1B-C2B-C3B	-3.91	102.02	106.51
31	h2	202	PEB	C1B-C2B-C3B	-3.91	102.02	106.51
31	b6	202	PEB	C3D-C4D-ND	3.91	114.93	107.26
31	SI	201	PEB	CMB-C2B-C1B	3.91	131.09	125.06
31	F6	1002	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	GF	201	PEB	OA-C1A-C2A	-3.91	123.06	126.17
31	UK	202	PEB	OA-C1A-C2A	-3.91	123.06	126.17
33	GD	201	CYC	C2B-C1B-NB	3.91	112.71	106.99
31	YF	203	PEB	CHC-C1D-ND	-3.91	109.41	113.95
31	L5	201	PEB	CHC-C1D-ND	-3.91	109.41	113.95
31	MJ	202	PEB	C3D-C4D-ND	3.91	114.93	107.26
31	TC	201	PEB	CHC-C4C-C3C	-3.91	123.67	130.34
31	I4	201	PEB	CHB-C4B-NB	-3.91	123.40	128.83
31	VG	203	PEB	CHA-C1B-C2B	3.91	134.95	124.90
31	l4	203	PEB	C3D-C4D-ND	3.91	114.93	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y7	504	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	gH	201	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	EH	201	PEB	OA-C1A-C2A	-3.91	123.06	126.17
31	hE	202	PEB	C3D-C4D-ND	3.91	114.93	107.26
31	J1	202	PEB	C1B-C2B-C3B	-3.91	102.02	106.51
31	G4	201	PEB	CHA-C1B-NB	-3.91	116.76	124.93
31	hD	202	PEB	C3D-C4D-ND	3.91	114.93	107.26
31	lD	202	PEB	C3D-C4D-ND	3.91	114.93	107.26
31	F5	203	PEB	C4B-C3B-C2B	-3.91	102.46	106.78
31	eF	201	PEB	C1B-C2B-C3B	-3.91	102.02	106.51
31	UA	303	PEB	C3D-C4D-ND	3.91	114.93	107.26
31	EJ	202	PEB	C3D-C4D-ND	3.91	114.93	107.26
31	B5	201	PEB	OA-C1A-C2A	-3.91	123.07	126.17
31	lH	203	PEB	OA-C1A-C2A	-3.91	123.07	126.17
31	GI	202	PEB	CHA-C4A-NA	-3.91	120.56	125.20
31	HB	1002	PEB	C3D-C4D-ND	3.91	114.92	107.26
31	P6	202	PEB	CHC-C1D-ND	-3.91	109.41	113.95
31	Y6	202	PEB	C4B-C3B-C2B	-3.91	102.46	106.78
31	cH	201	PEB	C4B-C3B-C2B	-3.91	102.46	106.78
31	U4	203	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	H8	202	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	gE	202	PEB	C3D-C4D-ND	3.91	114.92	107.26
33	LB	1001	CYC	C2B-C1B-NB	3.91	112.71	106.99
31	O6	201	PEB	CHC-C4C-C3C	-3.91	123.67	130.34
31	NJ	202	PEB	CHB-C4B-NB	-3.91	123.41	128.83
31	I5	201	PEB	CHB-C4B-NB	-3.91	123.41	128.83
31	VG	203	PEB	C4B-C3B-C2B	-3.91	102.46	106.78
33	H6	1001	CYC	C1A-C2A-C3A	-3.91	102.46	106.78
31	N9	201	PEB	C3D-C4D-ND	3.91	114.92	107.26
31	O7	203	PEB	C1B-C2B-C3B	-3.91	102.02	106.51
31	MH	203	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	HK	201	PEB	C2A-C1A-NA	3.91	111.64	108.27
31	VC	201	PEB	C3D-C4D-ND	3.91	114.92	107.26
31	RJ	201	PEB	C3D-C4D-ND	3.91	114.92	107.26
31	CH	203	PEB	CHA-C1B-NB	-3.91	116.76	124.93
31	w8	302	PEB	CMB-C2B-C1B	3.91	131.08	125.06
31	i4	201	PEB	C3D-C4D-ND	3.91	114.92	107.26
31	T6	201	PEB	C3D-C4D-ND	3.91	114.92	107.26
31	M9	302	PEB	C3D-C4D-ND	3.91	114.92	107.26
31	hA	301	PEB	C3D-C4D-ND	3.90	114.92	107.26
31	dC	202	PEB	C3D-C4D-ND	3.90	114.92	107.26
31	CJ	201	PEB	CHC-C4C-C3C	-3.90	123.68	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	a4	202	PEB	CHC-C4C-C3C	-3.90	123.68	130.34
31	IJ	201	PEB	C3D-C4D-ND	3.90	114.92	107.26
31	SA	201	PEB	CMB-C2B-C1B	3.90	131.08	125.06
31	FH	202	PEB	OA-C1A-C2A	-3.90	123.07	126.17
31	OJ	201	PEB	OA-C1A-C2A	-3.90	123.07	126.17
31	F9	202	PEB	OA-C1A-C2A	-3.90	123.07	126.17
31	mC	202	PEB	CHC-C1D-ND	-3.90	109.41	113.95
31	GH	203	PEB	C3D-C4D-ND	3.90	114.92	107.26
31	FF	201	PEB	OD-C4D-ND	-3.90	120.15	125.93
31	H5	201	PEB	C2A-C1A-NA	3.90	111.64	108.27
31	SG	202	PEB	CMB-C2B-C1B	3.90	131.07	125.06
33	JC	1001	CYC	C2B-C1B-NB	3.90	112.70	106.99
31	Z4	202	PEB	CMB-C2B-C1B	3.90	131.07	125.06
31	Y2	202	PEB	C1C-CHB-C4B	3.90	133.47	128.81
31	KH	202	PEB	C3D-C4D-ND	3.90	114.92	107.26
31	rF	201	PEB	CHA-C4A-NA	3.90	129.84	125.20
31	DF	201	PEB	CHB-C4B-NB	-3.90	123.41	128.83
31	B8	201	PEB	CHB-C4B-NB	-3.90	123.41	128.83
31	XK	202	PEB	C3D-C4D-ND	3.90	114.92	107.26
33	KC	201	CYC	C1B-C2B-C3B	-3.90	103.80	107.87
31	A2	302	PEB	CHC-C4C-C3C	-3.90	123.68	130.34
31	AB	304	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	XK	202	PEB	CHB-C4B-NB	-3.90	123.42	128.83
31	HG	201	PEB	OA-C1A-C2A	-3.90	123.07	126.17
31	j4	202	PEB	OA-C1A-C2A	-3.90	123.07	126.17
31	mF	202	PEB	OA-C1A-C2A	-3.90	123.07	126.17
31	IG	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	W7	202	PEB	OD-C4D-ND	-3.90	120.15	125.93
31	G7	202	PEB	C1B-C2B-C3B	-3.90	102.03	106.51
31	ff	202	PEB	CHB-C4B-NB	-3.90	123.42	128.83
31	S4	201	PEB	CHC-C4C-C3C	-3.90	123.68	130.34
31	SA	203	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	YE	201	PEB	CHB-C4B-C3B	-3.90	116.31	125.32
32	A4	304	PUB	CHA-C4A-NA	-3.90	109.42	113.95
31	HI	203	PEB	OA-C1A-C2A	-3.90	123.07	126.17
31	HF	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	UB	202	PEB	CHB-C4B-NB	-3.90	123.42	128.83
31	YA	201	PEB	C2A-C1A-NA	3.90	111.64	108.27
31	JH	201	PEB	C2A-C1A-NA	3.90	111.64	108.27
31	UK	202	PEB	C2A-C1A-NA	3.90	111.64	108.27
31	P5	202	PEB	CHC-C4C-C3C	-3.90	123.69	130.34
31	KI	202	PEB	CHA-C4A-NA	-3.90	120.57	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U7	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	h8	202	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	c2	202	PEB	CHC-C1D-ND	-3.90	109.42	113.95
31	k6	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	Z9	302	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	ZI	301	PEB	CHA-C1B-NB	-3.90	116.78	124.93
31	P8	201	PEB	CHA-C1B-NB	-3.90	116.78	124.93
31	RB	202	PEB	C4B-C3B-C2B	-3.90	102.47	106.78
31	PC	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	e6	203	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	OG	203	PEB	CHC-C4C-C3C	-3.90	123.69	130.34
31	dC	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	aD	202	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	BK	202	PEB	CHA-C1B-NB	-3.90	116.78	124.93
33	D2	1001	CYC	C1B-C2B-C3B	-3.90	103.80	107.87
31	EG	202	PEB	CHC-C4C-C3C	-3.90	123.69	130.34
31	MH	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	N7	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	R9	201	PEB	C3D-C4D-ND	3.90	114.91	107.26
31	VD	201	PEB	CHC-C1D-ND	-3.90	109.42	113.95
32	AC	303	PUB	C1D-CHC-C4C	-3.90	104.89	113.37
31	DB	1002	PEB	C3D-C4D-ND	3.90	114.90	107.26
31	UF	201	PEB	OA-C1A-C2A	3.90	129.27	126.17
31	TH	201	PEB	CHA-C1B-NB	-3.90	116.78	124.93
31	L5	202	PEB	C3D-C4D-ND	3.90	114.90	107.26
31	K9	201	PEB	C3D-C4D-ND	3.90	114.90	107.26
31	P4	202	PEB	CMB-C2B-C1B	3.90	131.06	125.06
31	CK	201	PEB	C3D-C4D-ND	3.90	114.90	107.26
31	aE	202	PEB	C3D-C4D-ND	3.90	114.90	107.26
31	PK	202	PEB	C4B-C3B-C2B	-3.90	102.47	106.78
31	YB	201	PEB	C2A-C1A-NA	3.90	111.63	108.27
31	IG	202	PEB	OA-C1A-C2A	-3.90	123.08	126.17
31	TF	201	PEB	C3D-C4D-ND	3.89	114.90	107.26
31	PJ	202	PEB	CHC-C4C-C3C	-3.89	123.69	130.34
31	VK	201	PEB	CMB-C2B-C1B	3.89	131.06	125.06
31	VI	202	PEB	CHA-C4A-NA	-3.89	120.58	125.20
31	VD	201	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	A5	304	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	cA	403	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	aH	202	PEB	CMB-C2B-C1B	3.89	131.06	125.06
31	m8	201	PEB	C4B-C3B-C2B	-3.89	102.47	106.78
31	TB	201	PEB	C3D-C4D-ND	3.89	114.90	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U5	202	PEB	C3D-C4D-ND	3.89	114.90	107.26
33	DC	1003	CYC	C1B-CHB-C4A	-3.89	118.57	128.08
31	C8	203	PEB	CHC-C4C-C3C	-3.89	123.70	130.34
31	YD	201	PEB	CHB-C4B-C3B	-3.89	116.33	125.32
31	QC	203	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	YC	202	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	VG	202	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	OI	201	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	b6	202	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	A5	302	PEB	C3D-C4D-ND	3.89	114.90	107.26
31	DA	202	PEB	CMB-C2B-C1B	3.89	131.06	125.06
31	B1	202	PEB	CHA-C1B-NB	-3.89	116.79	124.93
31	T2	201	PEB	CHC-C4C-C3C	-3.89	123.70	130.34
31	eD	201	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	GH	203	PEB	C2A-C1A-NA	3.89	111.63	108.27
31	iH	201	PEB	CMB-C2B-C1B	3.89	131.06	125.06
31	JE	201	PEB	C3B-C4B-NB	3.89	115.71	110.05
31	LF	201	PEB	OA-C1A-NA	3.89	129.66	124.94
33	J2	1001	CYC	C2B-C1B-NB	3.89	112.69	106.99
31	SF	202	PEB	CHA-C1B-C2B	3.89	134.91	124.90
31	d8	201	PEB	CHB-C4B-NB	-3.89	123.43	128.83
31	W5	202	PEB	OD-C4D-ND	-3.89	120.17	125.93
31	KH	202	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	JJ	203	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	D4	202	PEB	CHA-C1B-NB	-3.89	116.79	124.93
31	IG	202	PEB	CHC-C4C-C3C	-3.89	123.70	130.34
31	F1	201	PEB	C2A-C1A-NA	3.89	111.63	108.27
31	X4	201	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	X8	202	PEB	C3D-C4D-ND	3.89	114.89	107.26
33	C6	1001	CYC	CBD-CAD-C3D	-3.89	105.98	112.62
31	lB	201	PEB	C1B-C2B-C3B	-3.89	102.04	106.51
31	f6	201	PEB	CHC-C4C-C3C	-3.89	123.70	130.34
31	NC	1002	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	VG	203	PEB	CMB-C2B-C1B	3.89	131.05	125.06
31	T5	202	PEB	CMB-C2B-C1B	3.89	131.05	125.06
31	U6	202	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	i6	203	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	eE	201	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	a8	202	PEB	CHA-C1B-NB	-3.89	116.80	124.93
31	ZD	202	PEB	CHC-C1D-ND	-3.89	109.43	113.95
31	JG	201	PEB	CHC-C1D-ND	-3.89	109.43	113.95
31	B7	202	PEB	CHC-C4C-C3C	-3.89	123.70	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N2	1002	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	k8	203	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	kD	201	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	K4	201	PEB	OA-C1A-C2A	-3.89	123.08	126.17
33	DE	1001	CYC	CBD-CAD-C3D	-3.89	105.98	112.62
31	V1	201	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	pF	201	PEB	C3D-C4D-ND	3.89	114.89	107.26
33	LE	1001	CYC	C2C-C1C-NC	3.89	111.62	108.27
33	KE	202	CYC	C2B-C1B-NB	3.89	112.68	106.99
31	TG	203	PEB	CHC-C4C-C3C	-3.89	123.71	130.34
31	XG	201	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	EH	202	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	i2	202	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	H6	1002	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	mC	202	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	LJ	202	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	cC	202	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	lH	203	PEB	C3D-C4D-ND	3.89	114.89	107.26
31	aA	202	PEB	C2A-C1A-NA	3.89	111.62	108.27
31	U9	203	PEB	CMB-C2B-C1B	3.89	131.05	125.06
31	BI	202	PEB	C1C-CHB-C4B	3.89	133.45	128.81
31	II	202	PEB	CHA-C4A-NA	-3.89	120.58	125.20
31	V1	201	PEB	CMB-C2B-C1B	3.89	131.05	125.06
31	UG	201	PEB	C4B-C3B-C2B	-3.89	102.48	106.78
31	F4	202	PEB	C4B-C3B-C2B	-3.89	102.48	106.78
31	J4	201	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	Y4	201	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	E9	201	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	X9	201	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	YA	201	PEB	OA-C1A-C2A	-3.89	123.08	126.17
31	O9	201	PEB	OA-C1A-C2A	-3.89	123.08	126.17
33	HB	1001	CYC	CAB-C3B-C4B	3.89	127.52	121.38
31	PG	201	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	o8	201	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	bB	201	PEB	CMB-C2B-C1B	3.89	131.05	125.06
31	sF	202	PEB	CMB-C2B-C1B	3.89	131.05	125.06
31	UC	202	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	N6	1002	PEB	C3D-C4D-ND	3.89	114.88	107.26
31	PG	202	PEB	CHC-C4C-C3C	-3.88	123.71	130.34
31	TJ	202	PEB	CMB-C2B-C1B	3.88	131.05	125.06
31	B8	202	PEB	CHB-C4B-C3B	-3.88	116.35	125.32
31	P8	201	PEB	CHC-C4C-C3C	-3.88	123.71	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	CG	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	l6	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	T9	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	X1	202	PEB	CHB-C4B-NB	-3.88	123.44	128.83
33	D2	1003	CYC	C1B-CHB-C4A	-3.88	118.59	128.08
31	NG	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	e6	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	u8	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
33	LC	1003	CYC	C2B-C1B-NB	3.88	112.67	106.99
31	K5	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	A9	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	AG	202	PEB	CHC-C4C-C3C	-3.88	123.71	130.34
31	QC	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	i6	202	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	VG	202	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
31	l8	202	PEB	C2A-C1A-NA	3.88	111.62	108.27
31	YK	302	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	Q2	203	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	j6	202	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	jB	202	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	EH	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	P2	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	P6	202	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	L9	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	eB	203	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	GK	202	PEB	CHC-C1D-ND	-3.88	109.44	113.95
31	N5	202	PEB	CHB-C4B-NB	-3.88	123.44	128.83
31	MH	201	PEB	C3B-C4B-NB	3.88	115.70	110.05
31	e4	201	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	l4	202	PEB	C3D-C4D-ND	3.88	114.88	107.26
31	UA	304	PEB	CMB-C2B-C1B	3.88	131.04	125.06
31	V9	201	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	A1	201	PEB	CAB-CBB-CGB	-3.88	105.25	113.60
31	TC	201	PEB	C4B-C3B-C2B	-3.88	102.49	106.78
31	RG	202	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
31	H8	201	PEB	C1B-C2B-C3B	-3.88	102.05	106.51
31	L9	203	PEB	CMB-C2B-C1B	3.88	131.04	125.06
31	G1	202	PEB	CHC-C1D-ND	-3.88	109.44	113.95
31	T1	203	PEB	C2A-C1A-NA	3.88	111.62	108.27
31	KD	201	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	NK	203	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	I9	201	PEB	C3D-C4D-ND	3.88	114.87	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	wF	301	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	WA	402	PEB	OA-C1A-C2A	-3.88	123.09	126.17
33	GB	1001	CYC	C1B-NB-C4B	-3.88	105.73	110.67
31	ZC	201	PEB	CHA-C4A-NA	3.88	129.82	125.20
31	D7	202	PEB	CHA-C1B-NB	-3.88	116.82	124.93
31	aH	201	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	CG	202	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
31	wF	302	PEB	CMB-C2B-C1B	3.88	131.04	125.06
31	W9	203	PEB	C1C-CHB-C4B	-3.88	124.17	128.81
31	UF	201	PEB	OD-C4D-ND	-3.88	120.18	125.93
31	AA	501	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	JG	201	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	R4	201	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	NG	202	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
33	EC	1001	CYC	C2C-C1C-NC	3.88	111.62	108.27
31	NG	203	PEB	C1B-C2B-C3B	-3.88	102.05	106.51
31	h6	201	PEB	C1B-C2B-C3B	-3.88	102.05	106.51
31	hB	201	PEB	C1B-C2B-C3B	-3.88	102.05	106.51
31	k4	201	PEB	CHA-C1B-NB	-3.88	116.82	124.93
31	I4	203	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	r8	202	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	gA	203	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	YD	202	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	JH	202	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	L1	202	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	XG	202	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
31	sF	202	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
31	RI	202	PEB	CHA-C4A-NA	-3.88	120.59	125.20
32	A2	304	PUB	CBB-CAB-C3B	-3.88	106.00	112.62
31	S4	201	PEB	OA-C1A-C2A	-3.88	123.09	126.17
31	KG	203	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
33	K2	201	CYC	C1B-C2B-C3B	-3.88	103.83	107.87
31	YK	303	PEB	C3D-C4D-ND	3.88	114.87	107.26
31	fB	201	PEB	CHC-C4C-C3C	-3.88	123.72	130.34
31	NH	202	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	KJ	201	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	G9	201	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	dD	201	PEB	C3D-C4D-ND	3.88	114.86	107.26
33	FC	1001	CYC	C2B-C1B-NB	3.88	112.66	106.99
31	R6	202	PEB	C4B-C3B-C2B	-3.88	102.49	106.78
31	J8	201	PEB	CHC-C1D-ND	-3.88	109.45	113.95
31	GG	202	PEB	C3D-C4D-ND	3.88	114.86	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SA	201	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	EG	201	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	RG	201	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	m6	202	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	IJ	201	PEB	CHB-C4B-NB	-3.88	123.45	128.83
31	B1	203	PEB	CHB-C4B-NB	-3.88	123.45	128.83
31	D9	202	PEB	CHB-C4B-NB	-3.88	123.45	128.83
31	UJ	202	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	F9	202	PEB	C3D-C4D-ND	3.88	114.86	107.26
31	BF	202	PEB	CHB-C4B-C3B	-3.87	116.37	125.32
31	HH	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	IK	201	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	F8	201	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	S8	201	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	a8	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	uF	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	YB	203	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	EI	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	a4	204	PEB	C3D-C4D-ND	3.87	114.86	107.26
33	LD	1001	CYC	C2B-C1B-NB	3.87	112.66	106.99
31	e4	201	PEB	C4B-C3B-C2B	-3.87	102.50	106.78
31	AJ	301	PEB	OA-C1A-C2A	-3.87	123.09	126.17
31	L7	202	PEB	OA-C1A-C2A	-3.87	123.09	126.17
31	TG	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	j6	201	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	M5	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	T6	203	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	WG	202	PEB	OD-C4D-C3D	-3.87	120.68	129.46
31	OI	203	PEB	CMB-C2B-C1B	3.87	131.03	125.06
31	UI	202	PEB	C4B-C3B-C2B	-3.87	102.50	106.78
32	AJ	303	PUB	C1C-C2C-C3C	-3.87	102.50	106.78
31	ZH	201	PEB	CHC-C1D-ND	3.87	118.44	113.95
31	UI	202	PEB	CAB-C3B-C4B	3.87	131.86	125.01
31	UI	203	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	C9	201	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	P9	201	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	GG	201	PEB	CHA-C1B-C2B	3.87	134.86	124.90
31	D1	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	E4	202	PEB	C3D-C4D-ND	3.87	114.86	107.26
31	MI	302	PEB	CHC-C4C-C3C	-3.87	123.73	130.34
31	fE	202	PEB	CHC-C4C-C3C	-3.87	123.73	130.34
33	D2	1001	CYC	OB-C4B-C3B	-3.87	123.84	128.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	HH	202	PEB	OA-C1A-C2A	-3.87	123.09	126.17
31	U1	202	PEB	OA-C1A-C2A	-3.87	123.09	126.17
31	A7	202	PEB	CHC-C4C-C3C	-3.87	123.73	130.34
31	CJ	202	PEB	C1C-CHB-C4B	3.87	133.43	128.81
31	EI	202	PEB	CHA-C4A-NA	-3.87	120.60	125.20
31	GG	203	PEB	C1B-C2B-C3B	-3.87	102.06	106.51
31	JK	202	PEB	C1B-C2B-C3B	-3.87	102.06	106.51
31	M8	203	PEB	C1B-C2B-C3B	-3.87	102.06	106.51
31	NF	201	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	WH	203	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	RI	201	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	O5	202	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	PH	201	PEB	C2A-C1A-NA	3.87	111.61	108.27
31	UB	202	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	GI	201	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	RI	202	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	XI	202	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	JB	1002	PEB	C4B-C3B-C2B	-3.87	102.50	106.78
31	tF	201	PEB	CHB-C4B-NB	-3.87	123.46	128.83
31	KI	201	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	P1	203	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	gA	202	PEB	OA-C1A-C2A	-3.87	123.10	126.17
31	K4	203	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	JF	202	PEB	CHB-C4B-C3B	-3.87	116.38	125.32
31	XI	202	PEB	CHA-C4A-NA	-3.87	120.61	125.20
31	KF	202	PEB	CHC-C4C-C3C	-3.87	123.74	130.34
31	HI	202	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	eD	203	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	Y1	301	PEB	C2A-C1A-NA	3.87	111.61	108.27
31	S7	201	PEB	OA-C1A-C2A	-3.87	123.10	126.17
31	b6	201	PEB	CMB-C2B-C1B	3.87	131.02	125.06
31	YE	202	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	AI	201	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	i6	201	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	eA	201	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	eC	202	PEB	C3D-C4D-ND	3.87	114.85	107.26
31	e8	201	PEB	C1B-C2B-C3B	-3.87	102.07	106.51
31	j2	201	PEB	CHC-C4C-C3C	-3.87	123.74	130.34
31	UF	201	PEB	C3D-C4D-ND	3.87	114.84	107.26
31	f4	201	PEB	C3D-C4D-ND	3.87	114.84	107.26
31	h4	202	PEB	C3D-C4D-ND	3.87	114.84	107.26
31	j8	202	PEB	C3D-C4D-ND	3.87	114.84	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	w8	301	PEB	C3D-C4D-ND	3.87	114.84	107.26
31	SG	201	PEB	CBC-CAC-C2C	-3.87	106.02	112.62
31	Z8	202	PEB	C2A-C1A-NA	3.87	111.61	108.27
31	N8	201	PEB	C3D-C4D-ND	3.87	114.84	107.26
31	LH	201	PEB	OD-C4D-ND	-3.87	120.20	125.93
31	ZI	301	PEB	CHC-C4C-C3C	-3.87	123.74	130.34
31	D8	201	PEB	CHB-C4B-NB	-3.87	123.47	128.83
31	VI	202	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	k4	202	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	DI	202	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	r8	201	PEB	CHA-C4A-NA	3.86	129.80	125.20
31	WJ	202	PEB	OD-C4D-ND	-3.86	120.20	125.93
31	AH	301	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	RH	202	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	CI	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	JJ	202	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	eH	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	TI	202	PEB	CHA-C4A-NA	-3.86	120.61	125.20
31	F8	201	PEB	CHC-C4C-C3C	-3.86	123.75	130.34
31	UC	201	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	ZE	202	PEB	OA-C1A-C2A	-3.86	123.10	126.17
33	I2	201	CYC	C2B-C1B-NB	3.86	112.64	106.99
31	BK	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	B1	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	V6	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	dE	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	V7	201	PEB	CHB-C4B-NB	-3.86	123.47	128.83
31	AI	202	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	D4	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
33	HC	1001	CYC	CHB-C1B-NB	-3.86	117.77	126.06
31	l2	203	PEB	C1B-C2B-C3B	-3.86	102.07	106.51
31	C7	203	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	gB	202	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	sF	201	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	t8	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	YJ	201	PEB	C4B-C3B-C2B	-3.86	102.51	106.78
31	J5	201	PEB	C4B-C3B-C2B	-3.86	102.51	106.78
31	VG	201	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	CI	202	PEB	C3D-C4D-ND	3.86	114.84	107.26
31	jH	201	PEB	CMB-C2B-C1B	3.86	131.01	125.06
33	EB	1001	CYC	C2C-C1C-NC	3.86	111.60	108.27
31	JJ	203	PEB	C1B-C2B-C3B	-3.86	102.07	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	HB	1002	PEB	CHC-C4C-C3C	-3.86	123.75	130.34
31	CF	203	PEB	CHC-C4C-C3C	-3.86	123.75	130.34
31	TB	203	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	NI	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	a6	203	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	aF	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	kD	202	PEB	CMB-C2B-C1B	3.86	131.01	125.06
31	eC	201	PEB	CHB-C4B-NB	-3.86	123.47	128.83
31	bC	202	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	AG	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	L4	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	Y7	503	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	O9	201	PEB	CHC-C1D-ND	-3.86	109.46	113.95
31	SA	201	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	M7	202	PEB	OA-C1A-C2A	-3.86	123.10	126.17
31	OH	203	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	BI	201	PEB	CHC-C4C-C3C	-3.86	123.75	130.34
33	HB	1001	CYC	C1A-C2A-C3A	-3.86	102.51	106.78
31	g6	201	PEB	CHC-C4C-C3C	-3.86	123.75	130.34
31	YA	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	PE	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	KG	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	UH	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	DC	1002	PEB	OA-C1A-C2A	-3.86	123.11	126.17
31	G5	201	PEB	OD-C4D-ND	-3.86	120.21	125.93
31	OI	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	AJ	302	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	J5	202	PEB	CHC-C4C-C3C	-3.86	123.76	130.34
31	DH	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	IH	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	K4	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	f4	203	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	mC	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	aD	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	f4	203	PEB	CHB-C4B-NB	-3.86	123.48	128.83
31	JJ	202	PEB	CHC-C4C-C3C	-3.86	123.76	130.34
31	DK	201	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	mB	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	jB	201	PEB	C1B-C2B-C3B	-3.86	102.08	106.51
31	hF	201	PEB	CMB-C2B-C1B	3.86	131.00	125.06
31	OH	202	PEB	C2A-C1A-NA	3.86	111.60	108.27
31	NI	202	PEB	C3D-C4D-ND	3.86	114.83	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gB	203	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	OJ	202	PEB	C3D-C4D-ND	3.86	114.83	107.26
31	h2	201	PEB	C2A-C1A-NA	3.86	111.60	108.27
31	WJ	201	PEB	C3D-C4D-ND	3.86	114.82	107.26
31	WB	201	PEB	CMA-C2A-C1A	-3.86	104.09	112.40
31	W6	201	PEB	CMA-C2A-C1A	-3.86	104.09	112.40
31	j2	203	PEB	C3D-C4D-ND	3.86	114.82	107.26
31	IA	201	PEB	CHC-C4C-C3C	-3.86	123.76	130.34
31	k4	201	PEB	OA-C1A-C2A	-3.85	123.11	126.17
31	BA	202	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	ZE	202	PEB	CHC-C1D-ND	-3.85	109.47	113.95
31	LI	201	PEB	CHC-C1D-ND	-3.85	109.47	113.95
31	V7	201	PEB	CHC-C1D-ND	-3.85	109.47	113.95
33	J2	1001	CYC	CMB-C2B-C1B	3.85	128.98	124.17
31	OB	201	PEB	CHC-C4C-C3C	-3.85	123.76	130.34
31	YB	201	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	WD	203	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	YI	203	PEB	CBC-CAC-C2C	-3.85	106.04	112.62
31	YE	201	PEB	C4B-C3B-C2B	-3.85	102.52	106.78
31	f2	202	PEB	C4B-C3B-C2B	-3.85	102.52	106.78
31	fA	301	PEB	C4B-C3B-C2B	-3.85	102.52	106.78
31	iF	202	PEB	C3B-C4B-NB	3.85	115.66	110.05
31	g8	202	PEB	CHC-C1D-ND	-3.85	109.47	113.95
31	II	201	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	A4	301	PEB	OA-C1A-C2A	-3.85	123.11	126.17
31	W1	201	PEB	C2A-C1A-NA	3.85	111.59	108.27
31	Y6	201	PEB	C2A-C1A-NA	3.85	111.59	108.27
31	AC	302	PEB	CHC-C4C-C3C	-3.85	123.77	130.34
31	GI	202	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	F5	201	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	WE	203	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	I4	201	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	b7	501	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	HF	202	PEB	C2A-C1A-NA	3.85	111.59	108.27
33	H6	1001	CYC	CAB-C3B-C4B	3.85	127.46	121.38
31	GH	202	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	DH	201	PEB	CMB-C2B-C1B	3.85	131.00	125.06
31	TK	202	PEB	C1B-C2B-C3B	-3.85	102.08	106.51
31	X5	201	PEB	C1B-C2B-C3B	-3.85	102.08	106.51
31	AE	304	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	IG	203	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	KI	202	PEB	C3D-C4D-ND	3.85	114.82	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PI	201	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	P6	203	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	J9	201	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	oF	201	PEB	C3D-C4D-ND	3.85	114.82	107.26
31	H6	1002	PEB	CHC-C4C-C3C	-3.85	123.77	130.34
31	mB	203	PEB	CHC-C1D-ND	-3.85	109.47	113.95
31	MF	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	EI	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	iB	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	iE	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	e8	202	PEB	C3B-C4B-NB	3.85	115.65	110.05
31	dE	204	PEB	CHA-C1B-NB	-3.85	116.88	124.93
31	IG	202	PEB	C1B-C2B-C3B	-3.85	102.09	106.51
31	aF	202	PEB	CHA-C1B-NB	-3.85	116.88	124.93
31	D1	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	S4	203	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	hH	202	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	aA	201	PEB	C2A-C1A-NA	3.85	111.59	108.27
31	O4	202	PEB	CBC-CAC-C2C	-3.85	106.05	112.62
33	JC	1001	CYC	CMB-C2B-C1B	3.85	128.97	124.17
31	QE	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	BJ	203	PEB	CHB-C4B-NB	-3.85	123.49	128.83
31	e2	201	PEB	CHB-C4B-NB	-3.85	123.49	128.83
31	NI	202	PEB	CHA-C4A-NA	-3.85	120.63	125.20
31	L8	201	PEB	OA-C1A-NA	3.85	129.60	124.94
31	VG	202	PEB	C1B-C2B-C3B	-3.85	102.09	106.51
31	gA	201	PEB	C4B-C3B-C2B	-3.85	102.52	106.78
31	GD	202	PEB	CHC-C4C-C3C	-3.85	123.77	130.34
31	BI	202	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	WI	203	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	iH	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
32	A4	303	PUB	CBA-CAA-C3A	-3.85	107.14	112.98
31	e8	203	PEB	C1B-C2B-C3B	-3.85	102.09	106.51
31	C8	201	PEB	C1C-CHB-C4B	-3.85	124.21	128.81
31	vF	202	PEB	OD-C4D-ND	-3.85	120.23	125.93
31	PI	202	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	VI	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	DK	202	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	cB	202	PEB	CHA-C1B-NB	-3.85	116.88	124.93
31	dC	203	PEB	C2A-C1A-NA	3.85	111.59	108.27
31	VK	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	E4	201	PEB	C3D-C4D-ND	3.85	114.81	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Q5	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	Y1	303	PEB	C3D-C4D-ND	3.85	114.81	107.26
31	N8	202	PEB	CMB-C2B-C1B	3.85	130.99	125.06
31	gC	202	PEB	CHC-C4C-C3C	-3.85	123.78	130.34
31	WA	401	PEB	C4B-C3B-C2B	-3.85	102.53	106.78
31	V7	201	PEB	C4B-C3B-C2B	-3.85	102.53	106.78
31	UH	202	PEB	CMA-C2A-C1A	-3.85	104.11	112.40
31	k4	201	PEB	C3D-C4D-ND	3.85	114.81	107.26
33	D6	1001	CYC	OC-C1C-C2C	-3.85	123.11	126.17
31	TI	201	PEB	C3D-C4D-ND	3.85	114.80	107.26
31	UK	202	PEB	C1B-C2B-C3B	-3.85	102.09	106.51
31	IA	202	PEB	C3D-C4D-ND	3.85	114.80	107.26
31	iB	202	PEB	C3D-C4D-ND	3.85	114.80	107.26
31	gE	201	PEB	C3D-C4D-ND	3.85	114.80	107.26
31	jF	202	PEB	C3D-C4D-ND	3.85	114.80	107.26
31	NF	202	PEB	CMB-C2B-C1B	3.84	130.99	125.06
31	m2	202	PEB	OA-C1A-C2A	-3.84	123.12	126.17
32	x8	306	PUB	CMA-C2A-C1A	3.84	130.43	121.39
31	II	202	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	m6	201	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	hE	203	PEB	CHC-C1D-ND	-3.84	109.48	113.95
31	NF	202	PEB	C3B-C4B-NB	3.84	115.64	110.05
31	KG	203	PEB	C1B-C2B-C3B	-3.84	102.09	106.51
31	XF	202	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	QJ	201	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	M4	203	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	W9	202	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	B8	202	PEB	CMB-C2B-C1B	3.84	130.98	125.06
31	h4	203	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	kF	203	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	a8	202	PEB	CHC-C4C-C3C	-3.84	123.78	130.34
31	C5	202	PEB	C1C-CHB-C4B	3.84	133.40	128.81
31	dE	201	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	T4	202	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	a4	201	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	lB	201	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	aB	203	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	bC	201	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	WG	201	PEB	C2A-C1A-NA	3.84	111.58	108.27
31	A5	302	PEB	CHC-C1D-ND	-3.84	109.49	113.95
31	NK	202	PEB	C1B-C2B-C3B	-3.84	102.10	106.51
31	XI	201	PEB	C3D-C4D-ND	3.84	114.80	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	c2	202	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	T4	201	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	gD	202	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	XH	201	PEB	CMB-C2B-C1B	3.84	130.98	125.06
31	jE	201	PEB	CHC-C4C-C3C	-3.84	123.79	130.34
31	SF	201	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	J5	202	PEB	C3D-C4D-ND	3.84	114.80	107.26
31	b8	201	PEB	CHB-C4B-NB	-3.84	123.50	128.83
31	Y9	201	PEB	C3B-C4B-NB	3.84	115.64	110.05
31	PD	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	H9	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	JH	201	PEB	CMB-C2B-C1B	3.84	130.98	125.06
31	YD	201	PEB	C4B-C3B-C2B	-3.84	102.53	106.78
31	WF	202	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	Q2	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	B4	301	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	Y9	201	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	lD	203	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	RF	202	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	i8	202	PEB	C3B-C4B-NB	3.84	115.63	110.05
31	wF	301	PEB	CHC-C1D-ND	-3.84	109.49	113.95
31	s8	202	PEB	CMB-C2B-C1B	3.84	130.98	125.06
31	CG	202	PEB	C1B-C2B-C3B	-3.84	102.10	106.51
31	R8	202	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	gA	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	lE	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
32	xF	306	PUB	CMA-C2A-C1A	3.84	130.42	121.39
31	PK	203	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	Q2	201	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	X5	203	PEB	C2A-C1A-NA	3.84	111.58	108.27
31	dB	201	PEB	CHB-C4B-C3B	-3.84	116.45	125.32
31	XG	202	PEB	C1B-C2B-C3B	-3.84	102.10	106.51
31	FF	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	OI	203	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	JI	203	PEB	C4B-C3B-C2B	-3.84	102.53	106.78
33	G6	1001	CYC	C1B-NB-C4B	-3.84	105.78	110.67
31	NH	202	PEB	CHC-C4C-C3C	-3.84	123.79	130.34
31	VF	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	XF	203	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	LI	202	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	J7	202	PEB	OA-C1A-C2A	-3.84	123.12	126.17
31	AD	304	PEB	C3D-C4D-ND	3.84	114.79	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	M8	201	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	cD	201	PEB	CHC-C4C-C3C	-3.84	123.79	130.34
31	QE	201	PEB	C3B-C4B-NB	3.84	115.63	110.05
31	bF	201	PEB	CHC-C1D-ND	-3.84	109.49	113.95
31	JI	203	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	Y6	202	PEB	C3D-C4D-ND	3.84	114.79	107.26
31	j6	201	PEB	C1B-C2B-C3B	-3.84	102.10	106.51
31	AB	301	PEB	C3D-C4D-ND	3.84	114.78	107.26
31	PJ	202	PEB	C3D-C4D-ND	3.84	114.78	107.26
31	R6	202	PEB	C3D-C4D-ND	3.84	114.78	107.26
33	KE	202	CYC	CHB-C4A-NA	-3.84	116.91	124.93
31	CF	201	PEB	C1C-CHB-C4B	-3.84	124.23	128.81
31	HH	202	PEB	CHC-C4C-C3C	-3.84	123.80	130.34
31	WB	201	PEB	C4B-NB-C1B	-3.84	99.28	106.51
33	F2	1001	CYC	C2B-C1B-NB	3.84	112.60	106.99
31	WG	201	PEB	CAB-CBB-CGB	3.84	121.86	113.60
31	EG	202	PEB	C1B-C2B-C3B	-3.84	102.10	106.51
31	Y2	202	PEB	C3D-C4D-ND	3.84	114.78	107.26
31	X7	201	PEB	C3D-C4D-ND	3.84	114.78	107.26
31	A4	302	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	P5	202	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	fH	202	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	I4	201	PEB	OA-C1A-C2A	-3.83	123.12	126.17
31	G4	201	PEB	CHC-C4C-C3C	-3.83	123.80	130.34
31	bF	201	PEB	CHB-C4B-NB	-3.83	123.51	128.83
31	FJ	201	PEB	C3D-C4D-ND	3.83	114.78	107.26
32	AC	304	PUB	CBB-CAB-C3B	-3.83	106.08	112.62
31	F9	202	PEB	C4B-C3B-C2B	-3.83	102.54	106.78
31	BG	203	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	BA	201	PEB	OA-C1A-C2A	-3.83	123.12	126.17
31	B9	202	PEB	OD-C4D-ND	-3.83	120.25	125.93
31	DD	1002	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	B7	201	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	CJ	202	PEB	C4B-C3B-C2B	-3.83	102.54	106.78
31	LK	202	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	c6	202	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	x8	303	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	QD	201	PEB	C3B-C4B-NB	3.83	115.62	110.05
31	vF	202	PEB	CHC-C1D-ND	-3.83	109.50	113.95
31	Z6	202	PEB	CHB-C4B-NB	-3.83	123.51	128.83
31	C5	202	PEB	C4B-C3B-C2B	-3.83	102.54	106.78
31	S1	202	PEB	CHC-C4C-C3C	-3.83	123.80	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	HE	1001	CYC	CHB-C4A-NA	-3.83	116.92	124.93
31	VH	202	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	K5	202	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	VH	201	PEB	OD-C4D-ND	-3.83	120.25	125.93
31	RD	201	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	X1	203	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	WF	201	PEB	CMB-C2B-C1B	3.83	130.96	125.06
31	T5	203	PEB	OA-C1A-C2A	-3.83	123.13	126.17
31	N7	201	PEB	CHB-C4B-NB	-3.83	123.51	128.83
31	QH	204	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	m2	202	PEB	C3D-C4D-ND	3.83	114.78	107.26
31	RF	202	PEB	CMB-C2B-C1B	3.83	130.96	125.06
33	E2	1001	CYC	C2C-C1C-NC	3.83	111.58	108.27
31	VB	201	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	HG	201	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	eE	202	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	nF	201	PEB	CHB-C4B-NB	-3.83	123.51	128.83
31	DA	202	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	CH	203	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	TI	202	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	jB	201	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	cB	203	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	N1	202	PEB	C1B-C2B-C3B	-3.83	102.11	106.51
31	AI	202	PEB	CHA-C4A-NA	-3.83	120.65	125.20
31	CI	202	PEB	CHA-C4A-NA	-3.83	120.65	125.20
31	PI	202	PEB	CHA-C4A-NA	-3.83	120.65	125.20
31	Q4	201	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	kH	202	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	UI	204	PEB	C2A-C1A-NA	3.83	111.57	108.27
31	YF	201	PEB	C1C-CHB-C4B	3.83	133.38	128.81
31	S4	203	PEB	CHC-C1D-ND	-3.83	109.50	113.95
31	BG	201	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	N7	202	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	B5	203	PEB	CHB-C4B-NB	-3.83	123.52	128.83
31	U8	201	PEB	OD-C4D-ND	-3.83	120.26	125.93
31	NG	202	PEB	C1B-C2B-C3B	-3.83	102.11	106.51
31	W5	201	PEB	OA-C1A-C2A	-3.83	123.13	126.17
31	ZF	201	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	KG	201	PEB	CHC-C1D-ND	3.83	118.39	113.95
31	XJ	201	PEB	C1B-C2B-C3B	-3.83	102.11	106.51
31	U1	202	PEB	C1B-C2B-C3B	-3.83	102.11	106.51
31	d2	202	PEB	C1B-C2B-C3B	-3.83	102.11	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	aF	202	PEB	CHC-C4C-C3C	-3.83	123.81	130.34
31	eC	201	PEB	C3B-C4B-NB	3.83	115.62	110.05
31	iB	201	PEB	CHC-C4C-C3C	-3.83	123.81	130.34
31	VE	202	PEB	C2A-C1A-NA	3.83	111.57	108.27
31	PK	203	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	gA	202	PEB	CHA-C1B-NB	-3.83	116.93	124.93
31	RG	202	PEB	C1B-C2B-C3B	-3.83	102.11	106.51
31	cH	201	PEB	OA-C1A-C2A	-3.83	123.13	126.17
31	k4	201	PEB	C4B-C3B-C2B	-3.83	102.55	106.78
33	HD	1001	CYC	CHB-C4A-NA	-3.83	116.93	124.93
31	F5	203	PEB	C3D-C4D-ND	3.83	114.77	107.26
31	W6	201	PEB	C4B-NB-C1B	-3.83	99.30	106.51
31	TK	202	PEB	OD-C4D-ND	-3.83	120.26	125.93
31	e2	201	PEB	C3B-C4B-NB	3.82	115.61	110.05
31	Z8	201	PEB	C1C-CHB-C4B	-3.82	124.24	128.81
31	A6	304	PEB	OA-C1A-C2A	-3.82	123.13	126.17
31	bA	201	PEB	OA-C1A-C2A	-3.82	123.13	126.17
31	KJ	202	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	H1	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	d2	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	A6	301	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	gD	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	jC	201	PEB	CHC-C4C-C3C	-3.82	123.81	130.34
31	WB	201	PEB	C1B-C2B-C3B	-3.82	102.12	106.51
31	LH	202	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	UC	203	PEB	C4B-C3B-C2B	-3.82	102.55	106.78
32	A5	303	PUB	C1C-C2C-C3C	-3.82	102.55	106.78
31	F8	201	PEB	OD-C4D-ND	-3.82	120.27	125.93
31	QI	203	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	R4	202	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	BF	202	PEB	CMB-C2B-C1B	3.82	130.95	125.06
31	s8	202	PEB	OA-C1A-C2A	-3.82	123.13	126.17
31	WK	201	PEB	C2A-C1A-NA	3.82	111.57	108.27
31	Y8	201	PEB	C1C-CHB-C4B	3.82	133.38	128.81
31	g6	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	R7	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	MA	201	PEB	CHC-C1D-ND	-3.82	109.51	113.95
31	tF	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	A5	301	PEB	OA-C1A-C2A	-3.82	123.13	126.17
31	U8	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
33	DC	1001	CYC	C1B-C2B-C3B	-3.82	103.88	107.87
31	lE	203	PEB	CHC-C4C-C3C	-3.82	123.82	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KE	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	I4	203	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	X8	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	ZB	202	PEB	CHB-C4B-NB	-3.82	123.53	128.83
31	d6	201	PEB	CHB-C4B-C3B	-3.82	116.49	125.32
31	mB	201	PEB	C3D-C4D-ND	3.82	114.76	107.26
31	BK	201	PEB	OA-C1A-C2A	-3.82	123.14	126.17
31	PG	202	PEB	C1B-C2B-C3B	-3.82	102.12	106.51
31	TG	203	PEB	C1B-C2B-C3B	-3.82	102.12	106.51
31	DI	203	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	A4	301	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	iB	203	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	X7	202	PEB	CHC-C4C-C3C	-3.82	123.82	130.34
31	a2	201	PEB	OA-C1A-C2A	-3.82	123.14	126.17
31	g6	203	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	D7	202	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	s8	201	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	IA	202	PEB	CHC-C1D-ND	-3.82	109.51	113.95
31	Y8	203	PEB	CHC-C1D-ND	-3.82	109.51	113.95
31	H7	201	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	NA	201	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	d2	202	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	A2	302	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	F9	201	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	CH	201	PEB	CMB-C2B-C1B	3.82	130.94	125.06
31	TA	202	PEB	C2A-C1A-NA	3.82	111.56	108.27
31	EG	202	PEB	C2A-C1A-NA	3.82	111.56	108.27
31	kC	203	PEB	C2A-C1A-NA	3.82	111.56	108.27
31	UC	201	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	e2	202	PEB	C3D-C4D-ND	3.82	114.75	107.26
33	ME	1001	CYC	CHB-C4A-NA	-3.82	116.95	124.93
31	YB	202	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	DE	1002	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	x8	302	PEB	C4B-C3B-C2B	-3.82	102.56	106.78
31	AC	302	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	FJ	203	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	ID	201	PEB	C3D-C4D-ND	3.82	114.75	107.26
33	H2	1001	CYC	CHB-C1B-NB	-3.82	117.86	126.06
31	U2	201	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	OD	203	PEB	C4B-C3B-C2B	-3.82	102.56	106.78
32	B4	302	PUB	C1C-C2C-C3C	-3.82	102.56	106.78
33	IB	1001	CYC	C1B-C2B-C3B	-3.82	103.89	107.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	X1	201	PEB	OD-C4D-ND	-3.82	120.28	125.93
31	e4	201	PEB	CHC-C4C-C3C	-3.82	123.83	130.34
31	YC	202	PEB	C3D-C4D-ND	3.82	114.75	107.26
31	PG	202	PEB	C2A-C1A-NA	3.82	111.56	108.27
31	I5	201	PEB	C2A-C1A-NA	3.82	111.56	108.27
31	cC	202	PEB	CHC-C1D-ND	-3.82	109.52	113.95
31	P8	201	PEB	C3D-C4D-ND	3.81	114.74	107.26
31	UA	302	PEB	CBC-CAC-C2C	3.81	119.13	112.62
31	ZE	202	PEB	C3B-C4B-NB	3.81	115.60	110.05
31	GH	201	PEB	CHC-C4C-C3C	-3.81	123.83	130.34
31	LF	201	PEB	C3D-C4D-ND	3.81	114.74	107.26
31	D1	201	PEB	CMB-C2B-C1B	3.81	130.94	125.06
31	p8	201	PEB	C4B-C3B-C2B	-3.81	102.56	106.78
31	aE	202	PEB	CHC-C4C-C3C	-3.81	123.83	130.34
31	LI	201	PEB	C3B-C4B-NB	3.81	115.60	110.05
31	V7	201	PEB	C3D-C4D-ND	3.81	114.74	107.26
31	H1	202	PEB	C1B-C2B-C3B	-3.81	102.13	106.51
31	RB	202	PEB	C3D-C4D-ND	3.81	114.74	107.26
31	P4	202	PEB	C3D-C4D-ND	3.81	114.74	107.26
31	c6	202	PEB	CHA-C1B-NB	-3.81	116.96	124.93
31	HC	1002	PEB	OD-C4D-ND	-3.81	120.28	125.93
31	aD	202	PEB	CHC-C4C-C3C	-3.81	123.83	130.34
31	t8	201	PEB	CHB-C4B-NB	-3.81	123.54	128.83
31	V2	202	PEB	CHC-C1D-ND	-3.81	109.52	113.95
31	P7	201	PEB	C3D-C4D-ND	3.81	114.74	107.26
31	PF	201	PEB	C4B-C3B-C2B	-3.81	102.56	106.78
31	B7	201	PEB	OA-C1A-C2A	-3.81	123.14	126.17
33	J2	1001	CYC	C1B-C2B-C3B	-3.81	103.89	107.87
31	S8	202	PEB	CMA-C2A-C1A	-3.81	104.19	112.40
31	fF	201	PEB	C3D-C4D-ND	3.81	114.74	107.26
31	VH	201	PEB	CMB-C2B-C1B	3.81	130.93	125.06
31	B1	201	PEB	C1C-CHB-C4B	-3.81	124.26	128.81
31	HJ	201	PEB	CHA-C1B-NB	-3.81	116.96	124.93
31	a4	201	PEB	CHC-C4C-C3C	-3.81	123.84	130.34
31	cE	201	PEB	CHC-C4C-C3C	-3.81	123.84	130.34
31	cD	202	PEB	OA-C1A-C2A	-3.81	123.14	126.17
31	eF	202	PEB	OA-C1A-C2A	-3.81	123.14	126.17
33	HD	1001	CYC	C2C-C1C-NC	3.81	111.56	108.27
31	D8	202	PEB	CHB-C4B-C3B	-3.81	116.52	125.32
31	PB	202	PEB	CHA-C1B-NB	-3.81	116.96	124.93
31	H2	1002	PEB	OD-C4D-ND	-3.81	120.28	125.93
31	V2	202	PEB	C3D-C4D-ND	3.81	114.73	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AG	202	PEB	C1B-C2B-C3B	-3.81	102.13	106.51
31	WE	203	PEB	CHC-C1D-ND	-3.81	109.52	113.95
31	g2	202	PEB	CHC-C4C-C3C	-3.81	123.84	130.34
31	K8	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	DK	201	PEB	CMB-C2B-C1B	3.81	130.93	125.06
31	kE	202	PEB	CMB-C2B-C1B	3.81	130.93	125.06
31	AF	201	PEB	OA-C1A-C2A	-3.81	123.14	126.17
31	N5	202	PEB	OA-C1A-C2A	-3.81	123.14	126.17
31	eF	203	PEB	OA-C1A-C2A	-3.81	123.14	126.17
31	J5	203	PEB	C1B-C2B-C3B	-3.81	102.13	106.51
33	H2	1001	CYC	CMA-C3A-C4A	3.81	130.93	125.06
31	BG	201	PEB	CAB-CBB-CGB	3.81	121.80	113.60
31	IA	203	PEB	OD-C4D-ND	-3.81	120.29	125.93
31	gB	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	SA	202	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	MI	301	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	U4	203	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	V8	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	sF	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	HA	202	PEB	OA-C1A-C2A	-3.81	123.14	126.17
31	G4	201	PEB	OA-C1A-C2A	-3.81	123.14	126.17
32	A5	303	PUB	CHC-C1D-ND	-3.81	108.91	113.72
31	FF	201	PEB	CHC-C4C-C3C	-3.81	123.84	130.34
31	R8	202	PEB	CMB-C2B-C1B	3.81	130.93	125.06
31	YB	202	PEB	C4B-C3B-C2B	-3.81	102.57	106.78
31	PE	202	PEB	C3B-C4B-NB	3.81	115.59	110.05
31	ZA	202	PEB	CHC-C4C-C3C	-3.81	123.84	130.34
31	DF	202	PEB	CHB-C4B-C3B	-3.81	116.52	125.32
31	KF	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	J9	203	PEB	CMB-C2B-C1B	3.81	130.93	125.06
31	VD	202	PEB	C2A-C1A-NA	3.81	111.56	108.27
31	l2	201	PEB	C2A-C1A-NA	3.81	111.56	108.27
31	bB	201	PEB	OA-C1A-C2A	-3.81	123.15	126.17
31	RC	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	I1	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	B7	202	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	F7	201	PEB	CHA-C1B-NB	-3.81	116.97	124.93
31	G1	202	PEB	CHC-C4C-C3C	-3.81	123.84	130.34
31	cE	202	PEB	CHC-C4C-C3C	-3.81	123.84	130.34
31	aE	201	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	X4	201	PEB	C2A-C1A-NA	3.81	111.55	108.27
31	J4	202	PEB	C3D-C4D-ND	3.81	114.73	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N4	202	PEB	C3D-C4D-ND	3.81	114.73	107.26
31	M4	201	PEB	OA-C1A-C2A	-3.81	123.15	126.17
31	UI	201	PEB	C3B-C4B-NB	3.81	115.58	110.05
31	J8	202	PEB	C3B-C4B-NB	3.81	115.58	110.05
31	YG	201	PEB	C3D-C4D-ND	3.81	114.72	107.26
31	Y7	501	PEB	C4B-C3B-C2B	-3.81	102.57	106.78
31	A7	201	PEB	OD-C4D-ND	-3.80	120.29	125.93
31	RD	201	PEB	CAB-C3B-C4B	3.80	131.74	125.01
31	TH	202	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	e8	202	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	YK	301	PEB	OA-C1A-C2A	-3.80	123.15	126.17
31	XF	201	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	eB	201	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	n8	201	PEB	CHB-C4B-NB	-3.80	123.55	128.83
31	uF	201	PEB	CHA-C1B-NB	-3.80	116.98	124.93
31	HF	202	PEB	C3B-C4B-NB	3.80	115.58	110.05
31	eF	202	PEB	C3B-C4B-NB	3.80	115.58	110.05
31	QD	201	PEB	C2A-C1A-NA	3.80	111.55	108.27
31	BG	202	PEB	C2A-C1A-NA	3.80	111.55	108.27
33	FE	1001	CYC	C1B-C2B-C3B	-3.80	103.90	107.87
31	D9	201	PEB	CMB-C2B-C1B	3.80	130.92	125.06
31	o8	201	PEB	C1B-C2B-C3B	-3.80	102.14	106.51
31	lC	202	PEB	C1B-C2B-C3B	-3.80	102.14	106.51
31	SH	202	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	BK	201	PEB	C1C-CHB-C4B	-3.80	124.27	128.81
31	HI	202	PEB	C3B-C4B-NB	3.80	115.58	110.05
31	S5	202	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	GG	203	PEB	C2A-C1A-NA	3.80	111.55	108.27
31	HK	202	PEB	C1B-C2B-C3B	-3.80	102.14	106.51
31	KA	302	PEB	CHC-C4C-C3C	-3.80	123.85	130.34
31	XK	203	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	e1	301	PEB	OA-C1A-C2A	-3.80	123.15	126.17
31	QH	203	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	xF	302	PEB	CHC-C4C-C3C	-3.80	123.85	130.34
31	X8	203	PEB	C3B-C4B-NB	3.80	115.58	110.05
33	HB	1001	CYC	C1B-C2B-C3B	-3.80	103.90	107.87
31	V1	202	PEB	C2A-C1A-NA	3.80	111.55	108.27
33	LC	1001	CYC	C2C-C1C-NC	3.80	111.55	108.27
31	QG	201	PEB	CHC-C1D-ND	-3.80	109.53	113.95
31	UG	202	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	cB	202	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	eD	202	PEB	C3D-C4D-ND	3.80	114.72	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	D1	201	PEB	CHC-C4C-C3C	-3.80	123.85	130.34
31	s8	202	PEB	CHC-C4C-C3C	-3.80	123.85	130.34
31	UI	203	PEB	CHA-C1B-NB	-3.80	116.98	124.93
31	SG	202	PEB	OA-C1A-C2A	-3.80	123.15	126.17
31	F5	202	PEB	OA-C1A-C2A	-3.80	123.15	126.17
31	TD	201	PEB	C3D-C4D-ND	3.80	114.72	107.26
31	M7	201	PEB	CHB-C4B-C3B	-3.80	116.54	125.32
31	OH	201	PEB	CHC-C4C-C3C	-3.80	123.86	130.34
31	I4	201	PEB	CHC-C1D-ND	-3.80	109.53	113.95
31	FK	201	PEB	C2A-C1A-NA	3.80	111.55	108.27
31	K8	202	PEB	CHC-C4C-C3C	-3.80	123.86	130.34
31	b2	201	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	HH	202	PEB	C4B-C3B-C2B	-3.80	102.58	106.78
31	dD	204	PEB	CHA-C1B-NB	-3.80	116.98	124.93
31	XF	202	PEB	CMB-C2B-C1B	3.80	130.91	125.06
31	AG	202	PEB	C2A-C1A-NA	3.80	111.55	108.27
31	GJ	201	PEB	OD-C4D-ND	-3.80	120.30	125.93
31	Z4	202	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	G7	203	PEB	C3D-C4D-ND	3.80	114.71	107.26
33	I6	1001	CYC	C1B-C2B-C3B	-3.80	103.91	107.87
31	QI	203	PEB	OA-C1A-C2A	-3.80	123.15	126.17
31	m8	201	PEB	OA-C1A-C2A	-3.80	123.15	126.17
31	i6	201	PEB	CHC-C4C-C3C	-3.80	123.86	130.34
31	QE	202	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	AJ	302	PEB	CHC-C1D-ND	-3.80	109.54	113.95
31	W5	201	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	AF	201	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	D2	1002	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	J6	1002	PEB	C2A-C1A-NA	3.80	111.55	108.27
31	eD	203	PEB	C2A-C1A-NA	3.80	111.55	108.27
31	P6	202	PEB	CHA-C1B-NB	-3.80	116.99	124.93
31	SK	202	PEB	CHC-C4C-C3C	-3.80	123.86	130.34
31	eD	203	PEB	CMB-C2B-C1B	3.80	130.91	125.06
31	L7	202	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	dB	201	PEB	C3B-C4B-NB	3.80	115.57	110.05
31	AC	305	PEB	OA-C1A-C2A	-3.80	123.16	126.17
31	JC	1002	PEB	OA-C1A-C2A	-3.80	123.16	126.17
31	XJ	201	PEB	C3D-C4D-ND	3.80	114.71	107.26
31	KJ	201	PEB	C2A-C1A-NA	3.80	111.55	108.27
31	PD	202	PEB	C3B-C4B-NB	3.80	115.57	110.05
31	mB	202	PEB	CHA-C1B-NB	-3.80	116.99	124.93
31	fH	201	PEB	C4B-C3B-C2B	-3.80	102.58	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Q9	201	PEB	C3D-C4D-ND	3.80	114.70	107.26
31	jH	201	PEB	C3D-C4D-ND	3.80	114.70	107.26
31	QI	201	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	HK	201	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	R6	201	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	Y6	202	PEB	OA-C1A-C2A	-3.79	123.16	126.17
31	A8	201	PEB	OA-C1A-C2A	-3.79	123.16	126.17
33	ME	1001	CYC	C2C-C1C-NC	3.79	111.54	108.27
31	O8	202	PEB	C4B-C3B-C2B	-3.79	102.58	106.78
31	g4	202	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	mE	201	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	L9	201	PEB	CMB-C2B-C1B	3.79	130.91	125.06
31	mB	201	PEB	CMB-C2B-C1B	3.79	130.91	125.06
31	LA	201	PEB	OD-C4D-ND	-3.79	120.31	125.93
32	BH	302	PUB	CHA-C1B-C2B	-3.79	123.87	130.34
31	EK	201	PEB	OA-C1A-C2A	-3.79	123.16	126.17
31	S2	202	PEB	OA-C1A-C2A	-3.79	123.16	126.17
31	W4	202	PEB	CMB-C2B-C1B	3.79	130.91	125.06
31	UF	201	PEB	CMB-C2B-C3B	-3.79	115.82	126.12
31	NH	202	PEB	CAB-C3B-C4B	3.79	131.72	125.01
31	SG	202	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	TK	202	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	XK	201	PEB	C2A-C1A-NA	3.79	111.54	108.27
31	cB	201	PEB	C2A-C1A-NA	3.79	111.54	108.27
31	O6	202	PEB	OA-C1A-C2A	-3.79	123.16	126.17
31	dF	201	PEB	CHB-C4B-NB	-3.79	123.57	128.83
31	l4	203	PEB	CHA-C1B-NB	-3.79	117.00	124.93
31	m6	202	PEB	CHA-C1B-NB	-3.79	117.00	124.93
31	S6	201	PEB	CHC-C4C-C3C	-3.79	123.87	130.34
31	H4	202	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	b7	501	PEB	CBC-CAC-C2C	-3.79	106.15	112.62
31	M4	202	PEB	CHB-C4B-NB	-3.79	123.57	128.83
31	FK	201	PEB	CHC-C4C-C3C	-3.79	123.87	130.34
31	fH	201	PEB	CHC-C4C-C3C	-3.79	123.87	130.34
31	d8	201	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	e8	203	PEB	CMB-C2B-C1B	3.79	130.90	125.06
31	gA	201	PEB	C2A-C1A-NA	3.79	111.54	108.27
31	T6	202	PEB	CHA-C1B-NB	-3.79	117.00	124.93
31	d4	202	PEB	OA-C1A-C2A	-3.79	123.16	126.17
33	BD	1002	CYC	CBB-CAB-C3B	-3.79	101.98	112.43
31	OI	201	PEB	C3D-C4D-ND	3.79	114.70	107.26
31	Y6	201	PEB	C3D-C4D-ND	3.79	114.70	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	S9	203	PEB	CMB-C2B-C1B	3.79	130.90	125.06
31	R6	202	PEB	CMB-C2B-C1B	3.79	130.90	125.06
31	SJ	202	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	TB	202	PEB	CHA-C1B-NB	-3.79	117.01	124.93
31	sF	202	PEB	OA-C1A-C2A	-3.79	123.16	126.17
31	c6	203	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	W7	202	PEB	C3B-C4B-NB	3.79	115.56	110.05
31	O4	202	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	Z8	201	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	V1	201	PEB	CHB-C4B-NB	-3.79	123.57	128.83
31	C4	201	PEB	CHC-C4C-C3C	-3.79	123.88	130.34
33	FD	201	CYC	C1B-C2B-C3B	-3.79	103.92	107.87
31	O9	203	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	mF	202	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	RH	202	PEB	C4B-C3B-C2B	-3.79	102.59	106.78
31	jD	201	PEB	CHC-C4C-C3C	-3.79	123.88	130.34
31	TB	203	PEB	CAB-C3B-C4B	3.79	131.71	125.01
31	WC	203	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	XH	201	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	AC	301	PEB	CHA-C1B-NB	-3.79	117.01	124.93
31	JJ	201	PEB	C4B-C3B-C2B	-3.79	102.59	106.78
31	PK	202	PEB	CHB-C4B-NB	-3.79	123.57	128.83
31	MF	203	PEB	C1B-C2B-C3B	-3.79	102.16	106.51
31	wF	302	PEB	CHC-C1D-ND	-3.79	109.55	113.95
31	SF	202	PEB	CMA-C2A-C1A	-3.79	104.24	112.40
31	DG	202	PEB	CMB-C2B-C1B	3.79	130.90	125.06
33	HC	1001	CYC	C2B-C1B-NB	3.79	112.53	106.99
31	IA	201	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	GG	201	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	U4	201	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	iD	201	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	L4	202	PEB	CAB-C3B-C4B	3.79	131.71	125.01
31	uF	201	PEB	C2A-C1A-NA	3.79	111.54	108.27
33	73	1002	CYC	C2C-C1C-NC	3.79	111.54	108.27
31	CF	201	PEB	CHC-C4C-C3C	-3.79	123.88	130.34
31	O5	201	PEB	OA-C1A-C2A	-3.79	123.16	126.17
31	k4	201	PEB	CBC-CAC-C2C	-3.79	106.16	112.62
31	O1	202	PEB	CHB-C4B-NB	-3.79	123.58	128.83
31	QD	202	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	m2	201	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	i4	202	PEB	C3D-C4D-ND	3.79	114.69	107.26
31	T7	201	PEB	C3D-C4D-ND	3.79	114.69	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gB	201	PEB	CHC-C4C-C3C	-3.79	123.88	130.34
31	UI	204	PEB	C4B-C3B-C2B	-3.79	102.59	106.78
31	L4	202	PEB	C4B-C3B-C2B	-3.79	102.59	106.78
31	eH	202	PEB	C4B-C3B-C2B	-3.79	102.59	106.78
31	eF	203	PEB	CMB-C2B-C1B	3.79	130.89	125.06
31	ZI	304	PEB	C2A-C1A-NA	3.79	111.54	108.27
31	Q8	202	PEB	C1C-CHB-C4B	3.78	133.33	128.81
31	N4	201	PEB	CMB-C2B-C1B	3.78	130.89	125.06
31	JF	202	PEB	C3B-C4B-NB	3.78	115.55	110.05
31	Q7	203	PEB	OA-C1A-C2A	-3.78	123.16	126.17
31	jH	201	PEB	OA-C1A-C2A	-3.78	123.16	126.17
31	PF	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	DH	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	dE	204	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	dH	202	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	xF	302	PEB	C4B-C3B-C2B	-3.78	102.59	106.78
31	KJ	201	PEB	CHB-C4B-NB	-3.78	123.58	128.83
31	X4	202	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	OF	202	PEB	C4B-C3B-C2B	-3.78	102.59	106.78
31	k4	202	PEB	C4B-C3B-C2B	-3.78	102.59	106.78
31	F1	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	JF	201	PEB	CHC-C1D-ND	-3.78	109.55	113.95
31	W9	203	PEB	CHC-C1D-ND	-3.78	109.55	113.95
31	l6	202	PEB	OA-C1A-C2A	-3.78	123.17	126.17
31	JE	201	PEB	CHC-C4C-C3C	-3.78	123.89	130.34
31	UA	304	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	fH	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	W6	201	PEB	CHA-C1B-NB	-3.78	117.02	124.93
31	p8	202	PEB	OD-C4D-ND	-3.78	120.33	125.93
31	JH	202	PEB	C4B-C3B-C2B	-3.78	102.60	106.78
31	RE	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	W2	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	d8	202	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	RE	201	PEB	CAB-C3B-C4B	3.78	131.70	125.01
31	KH	203	PEB	C1B-C2B-C3B	-3.78	102.17	106.51
31	Y7	504	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	mD	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	A2	301	PEB	CHA-C1B-NB	-3.78	117.02	124.93
31	P1	202	PEB	CHB-C4B-NB	-3.78	123.58	128.83
31	m4	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	XK	201	PEB	OD-C4D-ND	-3.78	120.33	125.93
31	tF	202	PEB	OA-C1A-C2A	-3.78	123.17	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VC	202	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	U9	201	PEB	C3D-C4D-ND	3.78	114.68	107.26
31	AD	301	PEB	CHC-C4C-C3C	-3.78	123.89	130.34
33	MD	1001	CYC	CHB-C4A-NA	-3.78	117.03	124.93
31	Q5	202	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	hD	201	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	F9	203	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	O5	201	PEB	C4B-C3B-C2B	-3.78	102.60	106.78
31	FK	201	PEB	C1C-CHB-C4B	3.78	133.32	128.81
31	JI	202	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	NJ	202	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	BI	201	PEB	C3B-C4B-NB	3.78	115.55	110.05
31	YD	201	PEB	C2A-C1A-NA	3.78	111.53	108.27
31	C5	201	PEB	C2A-C1A-NA	3.78	111.53	108.27
31	Q4	203	PEB	OA-C1A-C2A	-3.78	123.17	126.17
31	HG	203	PEB	C4B-C3B-C2B	-3.78	102.60	106.78
32	A6	303	PUB	CHA-C1B-C2B	-3.78	123.89	130.34
31	jB	201	PEB	CMB-C2B-C1B	3.78	130.88	125.06
31	BA	201	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	VD	201	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	P6	201	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	W9	201	PEB	C1B-C2B-C3B	-3.78	102.17	106.51
31	JK	203	PEB	C1C-CHB-C4B	-3.78	124.30	128.81
31	X1	202	PEB	C4B-C3B-C2B	-3.78	102.60	106.78
31	AF	201	PEB	CHC-C4C-C3C	-3.78	123.89	130.34
31	P7	202	PEB	CHC-C4C-C3C	-3.78	123.89	130.34
31	R9	202	PEB	CHC-C4C-C3C	-3.78	123.89	130.34
31	WB	201	PEB	CHA-C1B-NB	-3.78	117.03	124.93
31	A4	302	PEB	OA-C1A-C2A	-3.78	123.17	126.17
31	cB	203	PEB	OA-C1A-C2A	-3.78	123.17	126.17
31	W8	202	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	a2	201	PEB	CMB-C2B-C1B	3.78	130.88	125.06
31	m6	202	PEB	CMB-C2B-C1B	3.78	130.88	125.06
31	MI	305	PEB	C2A-C1A-NA	3.78	111.53	108.27
33	KB	1001	CYC	C2C-C1C-NC	3.78	111.53	108.27
31	FI	203	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	PJ	203	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	S4	202	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	P7	202	PEB	C3D-C4D-ND	3.78	114.67	107.26
31	TA	202	PEB	CHA-C1B-NB	-3.78	117.04	124.93
31	SB	202	PEB	CHC-C4C-C3C	-3.77	123.90	130.34
31	U9	202	PEB	C3D-C4D-ND	3.77	114.67	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	jC	203	PEB	C3D-C4D-ND	3.77	114.67	107.26
31	NA	201	PEB	C2A-C1A-NA	3.77	111.53	108.27
31	YI	203	PEB	C2A-C1A-NA	3.77	111.53	108.27
31	hD	203	PEB	OA-C1A-C2A	-3.77	123.17	126.17
31	iE	202	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	dF	201	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	A5	304	PEB	CHA-C1B-NB	-3.77	117.04	124.93
31	X8	202	PEB	CMB-C2B-C1B	3.77	130.88	125.06
31	aC	201	PEB	CMB-C2B-C1B	3.77	130.88	125.06
31	ZD	202	PEB	C3B-C4B-NB	3.77	115.54	110.05
31	SK	202	PEB	OD-C4D-ND	-3.77	120.34	125.93
33	BE	1002	CYC	CBB-CAB-C3B	-3.77	102.03	112.43
33	JC	1001	CYC	C1B-C2B-C3B	-3.77	103.93	107.87
31	mC	201	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	oF	203	PEB	CHC-C4C-C3C	-3.77	123.90	130.34
31	c6	201	PEB	C2A-C1A-NA	3.77	111.53	108.27
33	E6	1001	CYC	C2C-C1C-NC	3.77	111.53	108.27
31	H8	202	PEB	C3B-C4B-NB	3.77	115.54	110.05
31	EH	202	PEB	CHA-C1B-NB	-3.77	117.04	124.93
31	HA	202	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	v8	202	PEB	OD-C4D-ND	-3.77	120.34	125.93
31	c8	203	PEB	C4B-C3B-C2B	-3.77	102.61	106.78
31	YA	201	PEB	CHB-C4B-NB	-3.77	123.59	128.83
31	S7	202	PEB	CHC-C4C-C3C	-3.77	123.90	130.34
31	YG	202	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	f2	201	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	G4	201	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	T1	202	PEB	C1B-C2B-C3B	-3.77	102.18	106.51
33	DB	1001	CYC	OC-C1C-C2C	-3.77	123.17	126.17
31	Q4	203	PEB	CHA-C1B-NB	-3.77	117.04	124.93
31	QD	201	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	j4	201	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	T1	203	PEB	C3B-C4B-NB	3.77	115.53	110.05
32	AJ	303	PUB	CHC-C1D-ND	-3.77	108.95	113.72
31	GG	203	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	UH	203	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	TJ	203	PEB	OA-C1A-C2A	-3.77	123.17	126.17
31	G1	202	PEB	OA-C1A-C2A	-3.77	123.17	126.17
31	GK	202	PEB	CHC-C4C-C3C	-3.77	123.91	130.34
31	d6	201	PEB	C3B-C4B-NB	3.77	115.53	110.05
33	ME	1001	CYC	C1B-C2B-C3B	-3.77	103.94	107.87
31	NG	202	PEB	C3D-C4D-ND	3.77	114.66	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MH	203	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	a2	202	PEB	C3D-C4D-ND	3.77	114.66	107.26
31	D8	201	PEB	OA-C1A-NA	3.77	129.51	124.94
31	UA	302	PEB	CAC-C2C-C3C	3.77	138.08	127.25
31	U8	201	PEB	CMB-C2B-C3B	-3.77	115.89	126.12
31	FG	202	PEB	C3D-C4D-ND	3.77	114.65	107.26
33	HE	1001	CYC	C2C-C1C-NC	3.77	111.52	108.27
31	DK	201	PEB	CHC-C4C-C3C	-3.77	123.91	130.34
31	o8	201	PEB	CHC-C4C-C3C	-3.77	123.91	130.34
31	XG	202	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	aA	201	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	hE	201	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	lH	201	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	VK	202	PEB	C1B-C2B-C3B	-3.77	102.18	106.51
31	IA	203	PEB	CHA-C1B-NB	-3.77	117.05	124.93
31	DI	202	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	B5	201	PEB	C4B-C3B-C2B	-3.77	102.61	106.78
31	J9	202	PEB	C4B-C3B-C2B	-3.77	102.61	106.78
31	B7	201	PEB	CBC-CAC-C2C	-3.77	106.19	112.62
33	D6	1001	CYC	C1B-NB-C4B	-3.77	105.87	110.67
31	B7	202	PEB	CMB-C2B-C1B	3.77	130.87	125.06
31	fC	201	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	MH	203	PEB	CHB-C4B-NB	-3.77	123.60	128.83
31	WG	201	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	s8	203	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	G5	201	PEB	OA-C1A-C2A	-3.77	123.18	126.17
31	L5	202	PEB	CHA-C1B-C2B	3.77	134.59	124.90
31	W2	203	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	RG	202	PEB	C2A-C1A-NA	3.77	111.52	108.27
31	b7	501	PEB	C2A-C1A-NA	3.77	111.52	108.27
31	CF	202	PEB	CHC-C4C-C3C	-3.77	123.91	130.34
31	N9	202	PEB	CHC-C4C-C3C	-3.77	123.91	130.34
31	QF	201	PEB	CHB-C4B-C3B	-3.77	116.62	125.32
31	XK	202	PEB	C4B-C3B-C2B	-3.77	102.61	106.78
31	U4	203	PEB	C4B-C3B-C2B	-3.77	102.61	106.78
31	P8	201	PEB	C4B-C3B-C2B	-3.77	102.61	106.78
31	WC	201	PEB	C3D-C4D-ND	3.77	114.65	107.26
31	JA	202	PEB	C2A-C1A-NA	3.77	111.52	108.27
31	NG	202	PEB	C2A-C1A-NA	3.77	111.52	108.27
31	j4	203	PEB	C2A-C1A-NA	3.77	111.52	108.27
31	L9	203	PEB	C2A-C1A-NA	3.77	111.52	108.27
31	RG	202	PEB	C3D-C4D-ND	3.76	114.65	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	B9	203	PEB	C3D-C4D-ND	3.76	114.65	107.26
31	j4	201	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	T9	202	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	lD	203	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	TK	203	PEB	C3B-C4B-NB	3.76	115.53	110.05
31	V9	202	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	HA	202	PEB	CHB-C4B-NB	-3.76	123.61	128.83
31	OI	202	PEB	CMA-C2A-C1A	-3.76	104.29	112.40
33	JC	1003	CYC	C2B-C1B-NB	3.76	112.50	106.99
31	aH	201	PEB	CHA-C1B-NB	-3.76	117.06	124.93
31	IJ	201	PEB	C2A-C1A-NA	3.76	111.52	108.27
31	VK	202	PEB	C2A-C1A-NA	3.76	111.52	108.27
31	WC	201	PEB	OA-C1A-C2A	-3.76	123.18	126.17
31	RI	202	PEB	OA-C1A-C2A	-3.76	123.18	126.17
31	a4	204	PEB	OA-C1A-C2A	-3.76	123.18	126.17
31	lD	202	PEB	OA-C1A-C2A	-3.76	123.18	126.17
31	OJ	201	PEB	C4B-C3B-C2B	-3.76	102.62	106.78
31	K4	203	PEB	C4B-C3B-C2B	-3.76	102.62	106.78
31	Z2	202	PEB	CHC-C1D-ND	-3.76	109.58	113.95
31	Y7	503	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	Z8	201	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	C8	201	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	h4	201	PEB	CHB-C4B-NB	-3.76	123.61	128.83
31	mE	203	PEB	C3D-C4D-ND	3.76	114.64	107.26
31	RB	202	PEB	CMB-C2B-C1B	3.76	130.86	125.06
31	J5	203	PEB	OA-C1A-C2A	-3.76	123.18	126.17
31	G8	201	PEB	OA-C1A-C2A	-3.76	123.18	126.17
31	XF	201	PEB	C4B-C3B-C2B	-3.76	102.62	106.78
31	Z8	201	PEB	C4B-C3B-C2B	-3.76	102.62	106.78
31	D5	201	PEB	C3B-C4B-NB	3.76	115.52	110.05
31	c8	201	PEB	C3D-C4D-ND	3.76	114.64	107.26
31	VC	202	PEB	CHC-C1D-ND	-3.76	109.58	113.95
31	HH	202	PEB	CHC-C1D-ND	-3.76	109.58	113.95
31	PB	201	PEB	C2A-C1A-NA	3.76	111.52	108.27
31	O9	201	PEB	C2A-C1A-NA	3.76	111.52	108.27
31	eF	203	PEB	C1B-C2B-C3B	-3.76	102.19	106.51
31	T1	202	PEB	C3D-C4D-ND	3.76	114.64	107.26
31	e8	202	PEB	CHB-C4B-NB	-3.76	123.61	128.83
32	BH	302	PUB	C1C-C2C-C3C	-3.76	102.62	106.78
31	P5	203	PEB	C3D-C4D-ND	3.76	114.64	107.26
31	D9	201	PEB	C3D-C4D-ND	3.76	114.64	107.26
33	KE	202	CYC	OB-C4B-C3B	-3.76	123.96	128.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PC	201	PEB	CMB-C2B-C1B	3.76	130.85	125.06
31	TJ	203	PEB	OD-C4D-ND	-3.76	120.36	125.93
31	DF	203	PEB	C1B-C2B-C3B	-3.76	102.19	106.51
31	W4	202	PEB	CMC-C3C-C2C	3.76	132.03	124.94
31	Y5	201	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	cB	201	PEB	CHC-C4C-C3C	-3.76	123.92	130.34
31	JA	202	PEB	CHA-C1B-NB	-3.76	117.07	124.93
31	LK	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	L8	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	W6	201	PEB	C1B-C2B-C3B	-3.76	102.19	106.51
31	VK	201	PEB	CHB-C4B-NB	-3.76	123.61	128.83
31	gB	201	PEB	CHB-C4B-NB	-3.76	123.61	128.83
31	PF	202	PEB	C2A-C1A-NA	3.76	111.51	108.27
31	WF	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	kD	201	PEB	CHC-C1D-ND	-3.76	109.58	113.95
31	TI	202	PEB	OA-C1A-C2A	-3.76	123.19	126.17
31	c8	202	PEB	OA-C1A-C2A	-3.76	123.19	126.17
31	L8	201	PEB	CHA-C1B-NB	-3.76	117.07	124.93
31	XF	202	PEB	CHC-C1D-ND	-3.76	109.58	113.95
31	TE	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	L1	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	g6	201	PEB	CHB-C4B-NB	-3.76	123.61	128.83
31	N4	201	PEB	C2A-C1A-NA	3.76	111.51	108.27
31	l6	202	PEB	C2A-C1A-NA	3.76	111.51	108.27
31	lF	202	PEB	C2A-C1A-NA	3.76	111.51	108.27
31	W8	201	PEB	CMB-C2B-C1B	3.76	130.85	125.06
31	F1	201	PEB	CHC-C4C-C3C	-3.76	123.93	130.34
31	c6	201	PEB	CHC-C4C-C3C	-3.76	123.93	130.34
31	SC	201	PEB	C1C-CHB-C4B	3.76	133.30	128.81
31	M4	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	gF	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	AI	202	PEB	OA-C1A-C2A	-3.76	123.19	126.17
31	GK	202	PEB	OA-C1A-C2A	-3.76	123.19	126.17
31	rF	202	PEB	OA-C1A-C2A	-3.76	123.19	126.17
31	RB	203	PEB	C4B-C3B-C2B	-3.76	102.62	106.78
31	DH	202	PEB	C4B-C3B-C2B	-3.76	102.62	106.78
31	R6	203	PEB	C4B-C3B-C2B	-3.76	102.62	106.78
31	VG	202	PEB	C2A-C1A-NA	3.76	111.51	108.27
31	mD	202	PEB	C2A-C1A-NA	3.76	111.51	108.27
33	I2	201	CYC	C2C-C1C-NC	3.76	111.51	108.27
31	O4	203	PEB	CHA-C1B-NB	-3.76	117.08	124.93
31	Y4	203	PEB	C3D-C4D-ND	3.76	114.63	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KF	202	PEB	CHA-C1B-C2B	3.76	134.56	124.90
31	cF	203	PEB	C4B-C3B-C2B	-3.76	102.63	106.78
31	N4	202	PEB	CHC-C4C-C3C	-3.76	123.93	130.34
31	X5	201	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	b7	503	PEB	C3D-C4D-ND	3.76	114.63	107.26
31	AJ	304	PEB	CHA-C1B-NB	-3.76	117.08	124.93
31	eF	203	PEB	CHA-C1B-NB	-3.76	117.08	124.93
31	E9	202	PEB	CHC-C4C-C3C	-3.75	123.93	130.34
31	P6	201	PEB	CHA-C1B-NB	-3.75	117.08	124.93
31	e8	203	PEB	CHA-C1B-NB	-3.75	117.08	124.93
32	yF	302	PUB	C1C-C2C-C3C	-3.75	102.63	106.78
31	YD	201	PEB	CBC-CAC-C2C	3.75	119.03	112.62
31	QF	202	PEB	CHB-C4B-NB	-3.75	123.62	128.83
33	M2	201	CYC	C2B-C1B-NB	3.75	112.48	106.99
31	mF	201	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	H1	203	PEB	CHC-C1D-ND	-3.75	109.59	113.95
31	OE	203	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	J1	203	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	qF	201	PEB	CHB-C4B-NB	-3.75	123.62	128.83
31	H5	201	PEB	C1B-C2B-C3B	-3.75	102.20	106.51
31	F4	202	PEB	CMB-C2B-C1B	3.75	130.84	125.06
31	BI	201	PEB	CAA-C3A-C4A	-3.75	103.04	112.67
31	AB	301	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	FH	202	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	C9	202	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	TG	203	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	I7	202	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	S9	202	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	U9	203	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	aC	202	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	V1	202	PEB	C1B-C2B-C3B	-3.75	102.20	106.51
33	DD	1001	CYC	C4A-C3A-C2A	-3.75	102.20	106.51
31	X4	202	PEB	C4B-C3B-C2B	-3.75	102.63	106.78
31	Q2	203	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	O5	201	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	DC	1002	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	O9	201	PEB	C3B-C4B-NB	3.75	115.51	110.05
31	AG	203	PEB	OD-C4D-C3D	-3.75	120.96	129.46
31	LJ	202	PEB	CHA-C1B-C2B	3.75	134.55	124.90
31	jH	203	PEB	C2A-C1A-NA	3.75	111.51	108.27
31	A7	201	PEB	C3B-C4B-NB	3.75	115.51	110.05
31	RB	201	PEB	C3D-C4D-ND	3.75	114.62	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	XA	201	PEB	CBC-CAC-C2C	-3.75	106.22	112.62
31	g4	202	PEB	C4B-C3B-C2B	-3.75	102.63	106.78
31	M9	303	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	Z9	303	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	cE	202	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	G9	202	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	RC	201	PEB	C3B-C4B-NB	3.75	115.50	110.05
31	ZF	201	PEB	C4B-C3B-C2B	-3.75	102.63	106.78
31	U2	203	PEB	C4B-C3B-C2B	-3.75	102.63	106.78
31	G4	203	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	Q4	204	PEB	C3D-C4D-ND	3.75	114.62	107.26
31	RK	203	PEB	C1C-CHB-C4B	3.75	133.29	128.81
31	t8	203	PEB	CHA-C1B-NB	-3.75	117.09	124.93
31	BI	203	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	dD	204	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	EI	202	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	KD	201	PEB	C2A-C1A-NA	3.75	111.50	108.27
31	Q8	201	PEB	CHB-C4B-C3B	-3.75	116.66	125.32
31	I9	202	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	hF	201	PEB	CHC-C4C-C3C	-3.75	123.94	130.34
31	j8	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	OH	203	PEB	C1B-C2B-C3B	-3.75	102.20	106.51
31	A8	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	L9	203	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	cB	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	iD	202	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	WF	203	PEB	C4B-C3B-C2B	-3.75	102.63	106.78
31	KK	201	PEB	C4B-C3B-C2B	-3.75	102.63	106.78
31	P7	201	PEB	C3B-C4B-NB	3.75	115.50	110.05
31	XG	202	PEB	C2A-C1A-NA	3.75	111.50	108.27
31	V1	201	PEB	C2A-C1A-NA	3.75	111.50	108.27
33	G6	1001	CYC	C2C-C1C-NC	3.75	111.50	108.27
31	K4	202	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	Q8	202	PEB	CHB-C4B-NB	-3.75	123.63	128.83
31	D5	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	w8	301	PEB	OD-C4D-ND	-3.75	120.38	125.93
31	rF	201	PEB	OD-C4D-ND	-3.75	120.38	125.93
31	WA	402	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	AC	305	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	KH	203	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	g8	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	GH	201	PEB	OD-C4D-ND	-3.75	120.38	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KI	202	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	VI	202	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	ZB	201	PEB	C1B-C2B-C3B	-3.75	102.21	106.51
31	VE	202	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	R2	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	N8	202	PEB	C3B-C4B-NB	3.75	115.50	110.05
31	h4	202	PEB	CHC-C4C-C3C	-3.75	123.95	130.34
31	HK	201	PEB	OD-C4D-ND	-3.75	120.38	125.93
31	RK	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	f6	201	PEB	CHB-C4B-C3B	-3.75	116.67	125.32
31	cD	202	PEB	CHC-C4C-C3C	-3.75	123.95	130.34
31	XJ	201	PEB	C2A-C1A-NA	3.75	111.50	108.27
31	WI	202	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	GK	201	PEB	OA-C1A-C2A	-3.75	123.19	126.17
31	XF	203	PEB	C3B-C4B-NB	3.75	115.50	110.05
31	DA	201	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	OD	203	PEB	C3D-C4D-ND	3.75	114.61	107.26
31	B1	201	PEB	CHC-C4C-C3C	-3.74	123.95	130.34
33	ID	1001	CYC	C2B-C1B-NB	3.74	112.47	106.99
31	OE	203	PEB	C4B-C3B-C2B	-3.74	102.64	106.78
31	LK	201	PEB	CHC-C1D-ND	-3.74	109.60	113.95
31	GA	201	PEB	C3D-C4D-ND	3.74	114.61	107.26
31	M7	202	PEB	C3D-C4D-ND	3.74	114.61	107.26
31	m8	202	PEB	C3D-C4D-ND	3.74	114.61	107.26
31	S5	201	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	jC	201	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	YE	201	PEB	C2A-C1A-NA	3.74	111.50	108.27
31	G7	202	PEB	C3B-C4B-NB	3.74	115.49	110.05
31	XA	201	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	QJ	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	OJ	201	PEB	CHC-C4C-C3C	-3.74	123.95	130.34
31	P9	202	PEB	CHC-C4C-C3C	-3.74	123.95	130.34
31	mD	203	PEB	C2A-C1A-NA	3.74	111.50	108.27
31	OC	202	PEB	CHA-C1B-NB	-3.74	117.11	124.93
31	LF	201	PEB	CHA-C1B-NB	-3.74	117.11	124.93
31	CG	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	VG	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	S1	202	PEB	OD-C4D-ND	-3.74	120.39	125.93
33	IE	1001	CYC	C2B-C1B-NB	3.74	112.47	106.99
31	B5	203	PEB	C3B-C4B-NB	3.74	115.49	110.05
31	PG	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	E7	202	PEB	C3D-C4D-ND	3.74	114.60	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	mD	203	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	U9	201	PEB	C2A-C1A-NA	3.74	111.50	108.27
31	IH	201	PEB	C2A-C1A-NA	3.74	111.50	108.27
31	pF	201	PEB	C4B-C3B-C2B	-3.74	102.64	106.78
31	KH	201	PEB	OD-C4D-ND	-3.74	120.39	125.93
31	fB	201	PEB	CHB-C4B-C3B	-3.74	116.68	125.32
31	Q4	203	PEB	CHC-C4C-C3C	-3.74	123.96	130.34
31	VE	201	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	CF	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	SJ	201	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	R1	201	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	mH	201	PEB	CHC-C1D-ND	-3.74	109.60	113.95
31	ZI	303	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	kD	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	T5	201	PEB	C2A-C1A-NA	3.74	111.50	108.27
31	EG	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	IG	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	PK	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	P1	202	PEB	C3D-C4D-ND	3.74	114.60	107.26
31	H1	201	PEB	OD-C4D-ND	-3.74	120.39	125.93
31	OB	202	PEB	OA-C1A-C2A	-3.74	123.20	126.17
31	GI	202	PEB	OA-C1A-C2A	-3.74	123.20	126.17
31	LI	203	PEB	C2A-C1A-NA	3.74	111.50	108.27
31	X8	203	PEB	CHB-C4B-C3B	-3.74	116.68	125.32
31	q8	201	PEB	CHB-C4B-NB	-3.74	123.64	128.83
31	PB	201	PEB	C3D-C4D-ND	3.74	114.59	107.26
31	w8	301	PEB	CHC-C1D-ND	-3.74	109.61	113.95
31	O7	201	PEB	CHC-C4C-C3C	3.74	136.71	130.34
31	RA	201	PEB	CAB-C3B-C4B	3.74	131.62	125.01
31	RH	201	PEB	C4B-C3B-C2B	-3.74	102.64	106.78
31	G8	201	PEB	C4B-C3B-C2B	-3.74	102.64	106.78
31	rF	201	PEB	C3D-C4D-ND	3.74	114.59	107.26
31	GJ	201	PEB	OA-C1A-C2A	-3.74	123.20	126.17
31	DI	201	PEB	CHB-C4B-NB	-3.74	123.64	128.83
31	OH	203	PEB	CHA-C1B-NB	-3.74	117.11	124.93
31	K1	202	PEB	CHC-C4C-C3C	-3.74	123.96	130.34
31	X1	201	PEB	C2A-C1A-NA	3.74	111.50	108.27
31	SI	201	PEB	OD-C4D-ND	-3.74	120.39	125.93
31	AG	202	PEB	C3D-C4D-ND	3.74	114.59	107.26
33	K6	1001	CYC	C1B-C2B-C3B	-3.74	103.97	107.87
31	oF	201	PEB	C1B-C2B-C3B	-3.74	102.22	106.51
33	MD	1001	CYC	C1B-NB-C4B	-3.74	105.91	110.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BI	201	PEB	C3D-C4D-ND	3.74	114.59	107.26
31	W8	201	PEB	C3D-C4D-ND	3.74	114.59	107.26
31	MA	201	PEB	OD-C4D-ND	-3.74	120.39	125.93
31	K9	202	PEB	CHC-C4C-C3C	-3.74	123.96	130.34
31	Q9	202	PEB	CHC-C4C-C3C	-3.74	123.96	130.34
31	N5	203	PEB	C3D-C4D-ND	3.74	114.59	107.26
31	dE	203	PEB	CHB-C4B-NB	-3.74	123.64	128.83
31	CG	202	PEB	C2A-C1A-NA	3.74	111.49	108.27
31	WD	203	PEB	CHC-C1D-ND	-3.74	109.61	113.95
31	CA	201	PEB	CAB-CBB-CGB	-3.74	105.56	113.60
31	BJ	201	PEB	C4B-C3B-C2B	-3.74	102.65	106.78
31	K8	202	PEB	CHA-C1B-C2B	3.74	134.51	124.90
31	MH	203	PEB	CMD-C2D-C3D	-3.74	124.80	130.06
31	D2	1002	PEB	OA-C1A-C2A	-3.74	123.20	126.17
31	W2	201	PEB	OA-C1A-C2A	-3.74	123.20	126.17
31	jH	202	PEB	OA-C1A-C2A	-3.74	123.20	126.17
31	M4	203	PEB	C2A-C1A-NA	3.74	111.49	108.27
31	lB	202	PEB	C2A-C1A-NA	3.74	111.49	108.27
31	mE	202	PEB	C2A-C1A-NA	3.74	111.49	108.27
31	m6	201	PEB	CMB-C2B-C1B	3.74	130.82	125.06
31	cA	403	PEB	CHB-C4B-NB	-3.73	123.65	128.83
31	K1	201	PEB	C4B-C3B-C2B	-3.73	102.65	106.78
31	dC	202	PEB	C1B-C2B-C3B	-3.73	102.22	106.51
31	i8	202	PEB	C3D-C4D-ND	3.73	114.59	107.26
31	DE	1002	PEB	CAB-C3B-C4B	3.73	131.62	125.01
31	NI	202	PEB	OA-C1A-C2A	-3.73	123.20	126.17
31	A8	202	PEB	OA-C1A-C2A	-3.73	123.20	126.17
31	KG	203	PEB	C2A-C1A-NA	3.73	111.49	108.27
31	T4	201	PEB	C2A-C1A-NA	3.73	111.49	108.27
33	L2	1001	CYC	C2C-C1C-NC	3.73	111.49	108.27
31	j2	201	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	V7	202	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	BJ	201	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	A2	305	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	f8	201	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	SA	203	PEB	C2A-C1A-NA	3.73	111.49	108.27
31	SC	202	PEB	OA-C1A-C2A	-3.73	123.20	126.17
31	j6	201	PEB	CMB-C2B-C1B	3.73	130.81	125.06
31	OC	202	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	H2	1002	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	eF	202	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	lE	203	PEB	OA-C1A-C2A	-3.73	123.21	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RH	201	PEB	CHC-C1D-ND	3.73	118.28	113.95
31	UI	201	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	C4	203	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	AD	304	PEB	CHC-C4C-C3C	-3.73	123.97	130.34
31	BK	201	PEB	CHC-C4C-C3C	-3.73	123.97	130.34
31	BJ	203	PEB	C3B-C4B-NB	3.73	115.48	110.05
31	K4	203	PEB	C3B-C4B-NB	3.73	115.48	110.05
31	ZB	201	PEB	CHC-C4C-C3C	-3.73	123.97	130.34
31	v8	202	PEB	CHC-C1D-ND	-3.73	109.61	113.95
31	mB	201	PEB	C2A-C1A-NA	3.73	111.49	108.27
31	T2	201	PEB	C3B-C4B-NB	3.73	115.47	110.05
33	LE	1001	CYC	CHA-C1A-NA	-3.73	123.65	128.83
31	KG	203	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	J7	202	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	QA	201	PEB	C2A-C1A-NA	3.73	111.49	108.27
33	LC	1003	CYC	C2C-C1C-NC	3.73	111.49	108.27
31	sF	203	PEB	C3D-C4D-ND	3.73	114.58	107.26
31	S2	202	PEB	CMB-C2B-C1B	3.73	130.81	125.06
31	Y6	203	PEB	CAB-C3B-C4B	3.73	131.61	125.01
31	HJ	201	PEB	C1B-C2B-C3B	-3.73	102.23	106.51
31	r8	202	PEB	C1B-C2B-C3B	-3.73	102.23	106.51
31	hH	201	PEB	C1B-C2B-C3B	-3.73	102.23	106.51
31	VD	202	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	L6	1002	PEB	C3D-C4D-ND	3.73	114.57	107.26
33	D2	1003	CYC	CHB-C1B-NB	-3.73	118.05	126.06
31	C7	201	PEB	CHC-C1D-ND	-3.73	109.62	113.95
31	aD	202	PEB	OA-C1A-C2A	-3.73	123.21	126.17
31	FK	201	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	OK	202	PEB	CHB-C4B-NB	-3.73	123.66	128.83
33	LD	1001	CYC	CHA-C1A-NA	-3.73	123.66	128.83
31	DF	201	PEB	C4B-C3B-C2B	-3.73	102.66	106.78
31	N4	202	PEB	C4B-C3B-C2B	-3.73	102.66	106.78
31	PB	201	PEB	CHA-C1B-NB	-3.73	117.14	124.93
31	AD	301	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	HK	202	PEB	CHC-C1D-ND	-3.73	109.62	113.95
31	X8	202	PEB	CHC-C1D-ND	-3.73	109.62	113.95
31	ZA	201	PEB	CHB-C4B-NB	-3.73	123.66	128.83
31	YE	201	PEB	CBC-CAC-C2C	3.73	118.98	112.62
31	r8	201	PEB	OD-C4D-ND	-3.73	120.41	125.93
31	XH	202	PEB	CHC-C4C-C3C	-3.73	123.98	130.34
31	FJ	202	PEB	OA-C1A-C2A	-3.73	123.21	126.17
31	Y1	301	PEB	OA-C1A-C2A	-3.73	123.21	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N5	203	PEB	OA-C1A-C2A	-3.73	123.21	126.17
31	D7	201	PEB	OA-C1A-C2A	-3.73	123.21	126.17
31	lB	202	PEB	OA-C1A-C2A	-3.73	123.21	126.17
31	T6	203	PEB	CAB-C3B-C4B	3.73	131.60	125.01
31	DJ	201	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	W4	203	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	AE	301	PEB	CHC-C4C-C3C	-3.73	123.98	130.34
31	A9	202	PEB	CHC-C4C-C3C	-3.73	123.98	130.34
31	BI	202	PEB	C3B-C4B-NB	3.73	115.47	110.05
31	L7	201	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	JI	201	PEB	CBB-CAB-C3B	3.73	122.98	112.63
31	W9	201	PEB	CHC-C4C-C3C	-3.73	123.98	130.34
31	N7	202	PEB	CMB-C2B-C1B	3.73	130.80	125.06
31	iD	201	PEB	CHA-C1B-NB	-3.73	117.14	124.93
31	K8	203	PEB	OD-C4D-ND	-3.73	120.41	125.93
31	XI	202	PEB	OA-C1A-C2A	-3.73	123.21	126.17
31	dD	204	PEB	OA-C1A-C2A	-3.73	123.21	126.17
31	HI	201	PEB	C3B-C4B-NB	3.73	115.47	110.05
31	HI	201	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	D7	201	PEB	C3D-C4D-ND	3.73	114.57	107.26
31	KA	303	PEB	CHC-C4C-C3C	-3.72	123.98	130.34
31	k6	202	PEB	C4B-C3B-C2B	-3.72	102.66	106.78
33	H2	1001	CYC	C2B-C1B-NB	3.72	112.44	106.99
31	YJ	201	PEB	CHC-C4C-C3C	-3.72	123.98	130.34
31	A7	201	PEB	C1B-C2B-C3B	-3.72	102.23	106.51
31	E4	203	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	J9	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	S2	201	PEB	C1C-CHB-C4B	3.72	133.26	128.81
31	ZF	201	PEB	C1C-CHB-C4B	-3.72	124.36	128.81
31	J1	203	PEB	C1C-CHB-C4B	-3.72	124.36	128.81
31	Z4	202	PEB	CHC-C4C-C3C	-3.72	123.99	130.34
31	O2	202	PEB	CHA-C1B-NB	-3.72	117.14	124.93
31	Y7	504	PEB	CHC-C1D-ND	-3.72	109.62	113.95
33	DB	1001	CYC	C1B-NB-C4B	-3.72	105.93	110.67
31	MI	304	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	D8	203	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	GA	201	PEB	CHC-C4C-C3C	-3.72	123.99	130.34
31	P8	202	PEB	C2A-C1A-NA	3.72	111.48	108.27
31	QA	203	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	DK	203	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	V7	202	PEB	CMB-C2B-C1B	3.72	130.80	125.06
31	FI	202	PEB	CHC-C1D-ND	-3.72	109.62	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	T1	202	PEB	OD-C4D-ND	-3.72	120.42	125.93
33	D6	1001	CYC	CMB-C2B-C1B	3.72	128.81	124.17
31	B7	202	PEB	OA-C1A-C2A	-3.72	123.21	126.17
31	lH	203	PEB	C2A-C1A-NA	3.72	111.48	108.27
31	dF	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	UB	202	PEB	CHC-C4C-C3C	-3.72	123.99	130.34
31	JG	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	l2	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	h4	201	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	gH	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	aE	202	PEB	OA-C1A-C2A	-3.72	123.22	126.17
31	QF	202	PEB	C1C-CHB-C4B	3.72	133.25	128.81
31	kF	202	PEB	C2A-C1A-NA	3.72	111.48	108.27
31	DD	1002	PEB	CAB-C3B-C4B	3.72	131.59	125.01
31	iF	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	bC	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	YB	203	PEB	CAB-C3B-C4B	3.72	131.59	125.01
33	KB	1001	CYC	C1B-C2B-C3B	-3.72	103.99	107.87
31	J2	1002	PEB	OA-C1A-C2A	-3.72	123.22	126.17
31	h8	201	PEB	CHC-C4C-C3C	-3.72	123.99	130.34
31	iE	201	PEB	CHC-C4C-C3C	-3.72	123.99	130.34
31	c4	202	PEB	C3D-C4D-ND	3.72	114.56	107.26
31	w8	302	PEB	CHC-C1D-ND	-3.72	109.63	113.95
31	P4	202	PEB	CHC-C4C-C3C	-3.72	124.00	130.34
31	K5	201	PEB	CHB-C4B-NB	-3.72	123.67	128.83
31	BH	301	PEB	CMB-C2B-C1B	3.72	130.79	125.06
31	qF	202	PEB	C3D-C4D-ND	3.72	114.55	107.26
33	MD	1001	CYC	C2C-C1C-NC	3.72	111.48	108.27
31	xF	302	PEB	CHA-C1B-NB	-3.72	117.16	124.93
31	mB	202	PEB	CMB-C2B-C1B	3.72	130.79	125.06
31	NK	201	PEB	C3D-C4D-ND	3.72	114.55	107.26
31	H1	202	PEB	CHA-C4A-NA	3.72	129.62	125.20
31	aE	202	PEB	C4B-C3B-C2B	-3.72	102.67	106.78
31	W6	201	PEB	CHC-C4C-C3C	-3.72	124.00	130.34
31	B9	202	PEB	C3D-C4D-ND	3.72	114.55	107.26
31	SB	201	PEB	CHB-C4B-NB	-3.72	123.67	128.83
31	mC	201	PEB	CHC-C1D-ND	-3.72	109.63	113.95
31	dH	201	PEB	CHB-C4B-NB	-3.72	123.67	128.83
31	R1	203	PEB	C1C-CHB-C4B	3.72	133.25	128.81
31	IJ	202	PEB	C3D-C4D-ND	3.72	114.55	107.26
31	c6	201	PEB	C3D-C4D-ND	3.72	114.55	107.26
31	R4	201	PEB	C2A-C1A-NA	3.72	111.48	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	H2	1001	CYC	C2C-C1C-NC	3.72	111.48	108.27
31	VD	202	PEB	CHC-C4C-C3C	-3.72	124.00	130.34
31	A2	305	PEB	OA-C1A-C2A	-3.72	123.22	126.17
31	LB	1002	PEB	C3D-C4D-ND	3.72	114.55	107.26
31	p8	202	PEB	CAB-C3B-C4B	3.71	131.58	125.01
31	T5	203	PEB	OD-C4D-ND	-3.71	120.43	125.93
31	G5	201	PEB	C3D-C4D-ND	3.71	114.55	107.26
31	HA	202	PEB	CMB-C2B-C1B	3.71	130.78	125.06
31	ZF	201	PEB	CHC-C4C-C3C	-3.71	124.00	130.34
31	jF	201	PEB	OA-C1A-NA	3.71	129.44	124.94
31	I5	202	PEB	C3D-C4D-ND	3.71	114.55	107.26
31	kE	202	PEB	C3D-C4D-ND	3.71	114.55	107.26
31	dD	203	PEB	CHA-C1B-NB	-3.71	117.16	124.93
33	DC	1003	CYC	CHB-C1B-NB	-3.71	118.08	126.06
31	mE	202	PEB	C3D-C4D-ND	3.71	114.55	107.26
31	eB	203	PEB	CAB-C3B-C4B	3.71	131.58	125.01
31	pF	202	PEB	CAB-C3B-C4B	3.71	131.58	125.01
32	AH	303	PUB	CBA-CAA-C3A	-3.71	107.35	112.98
31	K5	201	PEB	C2A-C1A-NA	3.71	111.47	108.27
31	X9	202	PEB	CHC-C4C-C3C	-3.71	124.00	130.34
31	NH	201	PEB	C3B-C4B-NB	3.71	115.45	110.05
31	YI	201	PEB	C3B-C4B-NB	3.71	115.45	110.05
31	KK	202	PEB	CHC-C4C-C3C	-3.71	124.00	130.34
31	FA	201	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	SH	201	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	SH	203	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	f6	201	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	P2	201	PEB	CMB-C2B-C1B	3.71	130.78	125.06
31	P4	201	PEB	CHA-C1B-NB	-3.71	117.17	124.93
33	C2	1001	CYC	C2B-C1B-NB	3.71	112.42	106.99
31	E7	201	PEB	CHC-C4C-C3C	-3.71	124.01	130.34
31	Q9	202	PEB	CHB-C4B-NB	-3.71	123.68	128.83
31	gF	202	PEB	CHB-C4B-NB	-3.71	123.68	128.83
32	AC	304	PUB	OA-C1A-NA	-3.71	120.43	125.93
31	m2	201	PEB	CHC-C1D-ND	-3.71	109.64	113.95
31	g6	203	PEB	C3B-C4B-NB	3.71	115.45	110.05
31	gB	203	PEB	C3B-C4B-NB	3.71	115.45	110.05
31	B4	301	PEB	OA-C1A-C2A	-3.71	123.22	126.17
31	B5	201	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	fH	203	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	g6	202	PEB	CHC-C1D-ND	-3.71	109.64	113.95
31	Q7	201	PEB	CHC-C1D-ND	-3.71	109.64	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	f2	203	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	C7	203	PEB	C3D-C4D-ND	3.71	114.54	107.26
31	aH	203	PEB	C3D-C4D-ND	3.71	114.54	107.26
32	x8	301	PUB	CMA-C2A-C1A	3.71	130.12	121.39
31	FJ	202	PEB	C4B-C3B-C2B	-3.71	102.68	106.78
31	CI	202	PEB	OA-C1A-C2A	-3.71	123.22	126.17
31	TC	201	PEB	C3B-C4B-NB	3.71	115.45	110.05
31	S8	203	PEB	CHB-C4B-NB	-3.71	123.68	128.83
31	eH	202	PEB	C2A-C1A-NA	3.71	111.47	108.27
31	x8	302	PEB	CHC-C4C-C3C	-3.71	124.01	130.34
31	ZC	202	PEB	CHC-C1D-ND	-3.71	109.64	113.95
32	xF	301	PUB	CMA-C2A-C1A	3.71	130.12	121.39
31	SH	203	PEB	CHB-C4B-NB	-3.71	123.68	128.83
31	KJ	202	PEB	OA-C1A-C2A	-3.71	123.22	126.17
31	jC	202	PEB	OA-C1A-C2A	-3.71	123.22	126.17
31	F1	201	PEB	C1C-CHB-C4B	3.71	133.24	128.81
32	AB	303	PUB	CHA-C1B-C2B	-3.71	124.01	130.34
33	DB	1001	CYC	CMB-C2B-C1B	3.71	128.80	124.17
31	JK	203	PEB	C3D-C4D-ND	3.71	114.53	107.26
31	mF	201	PEB	C3D-C4D-ND	3.71	114.53	107.26
31	j2	202	PEB	C4B-C3B-C2B	-3.71	102.68	106.78
31	GJ	201	PEB	C3D-C4D-ND	3.71	114.53	107.26
31	A7	202	PEB	C3D-C4D-ND	3.71	114.53	107.26
31	m8	201	PEB	C3D-C4D-ND	3.71	114.53	107.26
31	Q9	203	PEB	C3D-C4D-ND	3.71	114.53	107.26
31	S6	202	PEB	CHB-C4B-NB	-3.71	123.69	128.83
31	D8	202	PEB	C3B-C4B-NB	3.71	115.44	110.05
31	AE	304	PEB	CHC-C4C-C3C	-3.71	124.02	130.34
31	M1	201	PEB	OD-C4D-C3D	-3.71	121.06	129.46
31	TG	203	PEB	C2A-C1A-NA	3.71	111.47	108.27
31	XH	202	PEB	C4B-C3B-C2B	-3.71	102.68	106.78
31	N5	202	PEB	C3D-C4D-ND	3.70	114.53	107.26
31	X7	202	PEB	C3D-C4D-ND	3.70	114.53	107.26
31	O9	201	PEB	C3D-C4D-ND	3.70	114.53	107.26
31	aD	202	PEB	C4B-C3B-C2B	-3.70	102.68	106.78
31	QC	202	PEB	CHB-C4B-NB	-3.70	123.69	128.83
31	dD	203	PEB	CHB-C4B-NB	-3.70	123.69	128.83
31	cF	201	PEB	C3D-C4D-ND	3.70	114.53	107.26
31	CF	203	PEB	OA-C1A-C2A	-3.70	123.23	126.17
31	m6	202	PEB	OA-C1A-C2A	-3.70	123.23	126.17
31	jF	201	PEB	C3D-C4D-ND	3.70	114.53	107.26
31	N1	201	PEB	C3D-C4D-ND	3.70	114.53	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	FG	202	PEB	CHC-C4C-C3C	-3.70	124.02	130.34
31	ZH	201	PEB	C4B-C3B-C2B	-3.70	102.68	106.78
31	HC	1002	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	P6	201	PEB	C2A-C1A-NA	3.70	111.47	108.27
31	P1	203	PEB	OA-C1A-C2A	-3.70	123.23	126.17
31	qF	201	PEB	OA-C1A-C2A	-3.70	123.23	126.17
31	F5	201	PEB	C1C-CHB-C4B	3.70	133.23	128.81
31	J4	202	PEB	CHC-C4C-C3C	-3.70	124.02	130.34
31	g6	202	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	W9	203	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	F9	203	PEB	CHC-C4C-C3C	-3.70	124.02	130.34
32	A4	304	PUB	CHA-C1B-C2B	-3.70	124.02	130.34
31	JI	203	PEB	CHB-C4B-NB	-3.70	123.69	128.83
31	j2	202	PEB	OA-C1A-C2A	-3.70	123.23	126.17
33	DE	1001	CYC	C4A-C3A-C2A	-3.70	102.26	106.51
31	JC	1002	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	k8	202	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	WJ	202	PEB	C3B-C4B-NB	3.70	115.43	110.05
31	W5	202	PEB	C3B-C4B-NB	3.70	115.43	110.05
31	L1	201	PEB	CHC-C1D-ND	-3.70	109.65	113.95
31	g8	202	PEB	C1B-C2B-C3B	-3.70	102.26	106.51
31	t8	203	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	QC	203	PEB	CHC-C4C-C3C	-3.70	124.03	130.34
31	II	202	PEB	OA-C1A-C2A	-3.70	123.23	126.17
31	dB	201	PEB	OA-C1A-C2A	-3.70	123.23	126.17
31	DF	203	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	YI	202	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	mD	202	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	U8	202	PEB	C1B-C2B-C3B	-3.70	102.26	106.51
31	fE	201	PEB	C1B-C2B-C3B	-3.70	102.26	106.51
31	c4	202	PEB	CMB-C2B-C1B	3.70	130.76	125.06
31	J7	202	PEB	CMB-C2B-C1B	3.70	130.76	125.06
31	aH	203	PEB	CBC-CAC-C2C	-3.70	106.31	112.62
31	HJ	201	PEB	C2A-C1A-NA	3.70	111.46	108.27
31	b2	202	PEB	C3D-C4D-ND	3.70	114.52	107.26
31	MK	201	PEB	OD-C4D-C3D	-3.70	121.08	129.46
31	R7	201	PEB	CHA-C1B-NB	-3.70	117.20	124.93
31	gB	202	PEB	CHC-C1D-ND	-3.70	109.65	113.95
31	rF	202	PEB	C1B-C2B-C3B	-3.70	102.26	106.51
31	J9	203	PEB	C3D-C4D-ND	3.70	114.51	107.26
31	H4	201	PEB	OA-C1A-C2A	-3.70	123.23	126.17
33	G6	1001	CYC	CBD-CAD-C3D	-3.70	106.31	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	T8	201	PEB	C4B-C3B-C2B	-3.70	102.69	106.78
31	CH	202	PEB	C3D-C4D-ND	3.70	114.51	107.26
31	IG	202	PEB	C2A-C1A-NA	3.70	111.46	108.27
31	mE	203	PEB	C2A-C1A-NA	3.70	111.46	108.27
31	FJ	201	PEB	C1C-CHB-C4B	3.70	133.22	128.81
31	b8	202	PEB	CMC-C3C-C2C	-3.70	117.97	124.94
31	N4	201	PEB	CHA-C1B-NB	-3.70	117.20	124.93
31	g8	202	PEB	C3D-C4D-ND	3.70	114.51	107.26
31	D8	203	PEB	C1B-C2B-C3B	-3.70	102.26	106.51
32	Z9	304	PUB	CHA-C1B-C2B	-3.70	124.03	130.34
32	w8	304	PUB	C4B-CHB-C1C	3.70	133.22	128.81
31	N1	203	PEB	C4B-C3B-C2B	-3.70	102.69	106.78
31	gF	202	PEB	C2A-C1A-NA	3.70	111.46	108.27
31	NJ	203	PEB	C3D-C4D-ND	3.70	114.51	107.26
31	b8	201	PEB	C3D-C4D-ND	3.70	114.51	107.26
31	WI	203	PEB	CHC-C1D-ND	-3.70	109.66	113.95
31	H9	203	PEB	C3D-C4D-ND	3.70	114.51	107.26
31	DK	203	PEB	OA-C1A-C2A	-3.70	123.23	126.17
31	V5	203	PEB	C1C-CHB-C4B	3.70	133.22	128.81
32	YK	304	PUB	C4B-CHB-C1C	3.70	133.22	128.81
31	N1	202	PEB	OD-C4D-ND	-3.69	120.46	125.93
31	pF	202	PEB	OD-C4D-ND	-3.69	120.46	125.93
31	OC	202	PEB	C2A-C1A-NA	3.69	111.46	108.27
31	X7	201	PEB	C3B-C4B-NB	3.69	115.42	110.05
33	CC	1001	CYC	C2B-C1B-NB	3.69	112.40	106.99
31	D7	202	PEB	C1C-CHB-C4B	-3.69	124.40	128.81
31	AB	304	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	Q4	204	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	ZD	201	PEB	CHC-C4C-C3C	-3.69	124.04	130.34
31	KE	201	PEB	CMB-C2B-C1B	3.69	130.75	125.06
31	ZF	202	PEB	C2A-C1A-NA	3.69	111.46	108.27
31	CJ	201	PEB	C2A-C1A-NA	3.69	111.46	108.27
31	m6	201	PEB	C2A-C1A-NA	3.69	111.46	108.27
31	MI	304	PEB	C1C-CHB-C4B	-3.69	124.40	128.81
31	D1	203	PEB	C3D-C4D-ND	3.69	114.50	107.26
33	IB	1001	CYC	C1B-NB-C4B	-3.69	105.97	110.67
31	W9	201	PEB	OD-C4D-ND	-3.69	120.46	125.93
31	C8	203	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	PI	202	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	gB	203	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	TK	203	PEB	C4B-C3B-C2B	-3.69	102.70	106.78
31	bB	202	PEB	CHC-C4C-C3C	-3.69	124.04	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	l8	201	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	gB	202	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	VA	201	PEB	OD-C4D-ND	-3.69	120.46	125.93
31	WH	202	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	A7	202	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	GJ	202	PEB	C2A-C1A-NA	3.69	111.45	108.27
33	HC	1001	CYC	C2C-C1C-NC	3.69	111.45	108.27
31	fE	202	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	bF	202	PEB	CMC-C3C-C2C	-3.69	117.98	124.94
31	P6	202	PEB	CMB-C2B-C1B	3.69	130.75	125.06
33	HC	1001	CYC	CMA-C3A-C4A	3.69	130.75	125.06
31	jF	202	PEB	C3B-C4B-NB	3.69	115.42	110.05
31	A4	301	PEB	CHC-C4C-C3C	-3.69	124.04	130.34
31	XF	203	PEB	CHB-C4B-C3B	-3.69	116.79	125.32
31	NJ	204	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	b7	502	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	T7	202	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	fC	203	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	x8	302	PEB	CHA-C1B-NB	-3.69	117.21	124.93
31	KE	201	PEB	C2A-C1A-NA	3.69	111.45	108.27
31	H7	202	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	J4	202	PEB	C4B-C3B-C2B	-3.69	102.70	106.78
31	oF	203	PEB	C4B-C3B-C2B	-3.69	102.70	106.78
31	bF	201	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	BA	201	PEB	CMB-C2B-C1B	3.69	130.74	125.06
31	fB	201	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	uF	201	PEB	C3D-C4D-ND	3.69	114.50	107.26
31	A6	301	PEB	CHC-C4C-C3C	-3.69	124.05	130.34
31	j4	201	PEB	CMB-C2B-C1B	3.69	130.74	125.06
31	eC	201	PEB	C4B-C3B-C2B	-3.69	102.70	106.78
31	HK	203	PEB	CHC-C1D-ND	-3.69	109.67	113.95
31	mB	202	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	dD	201	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	OG	203	PEB	C3D-C4D-ND	3.69	114.49	107.26
31	ZI	304	PEB	C3D-C4D-ND	3.69	114.49	107.26
31	TJ	203	PEB	C3D-C4D-ND	3.69	114.49	107.26
32	Z9	305	PUB	CMB-C2B-C3B	3.69	131.89	124.94
33	HB	1001	CYC	CHA-C1A-NA	-3.69	123.71	128.83
31	o8	203	PEB	CHC-C4C-C3C	-3.69	124.05	130.34
31	HG	202	PEB	C3D-C4D-ND	3.69	114.49	107.26
31	BJ	203	PEB	C3D-C4D-ND	3.69	114.49	107.26
31	I7	201	PEB	C1B-C2B-C3B	-3.69	102.28	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fD	201	PEB	C1B-C2B-C3B	-3.69	102.28	106.51
31	XJ	203	PEB	C2A-C1A-NA	3.69	111.45	108.27
31	Y5	201	PEB	C2A-C1A-NA	3.69	111.45	108.27
31	aH	202	PEB	C2A-C1A-NA	3.69	111.45	108.27
31	f2	201	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	hE	203	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	mE	201	PEB	CHB-C4B-NB	-3.69	123.71	128.83
31	oF	201	PEB	CHC-C4C-C3C	-3.69	124.05	130.34
32	A2	304	PUB	OA-C1A-NA	-3.69	120.47	125.93
31	QJ	202	PEB	C2A-C1A-NA	3.69	111.45	108.27
31	a6	201	PEB	C2A-C1A-NA	3.69	111.45	108.27
31	K5	201	PEB	OA-C1A-C2A	-3.69	123.24	126.17
31	P1	203	PEB	CHC-C4C-C3C	-3.68	124.05	130.34
32	M9	304	PUB	CHA-C1B-C2B	-3.68	124.05	130.34
31	lC	201	PEB	C3D-C4D-ND	3.68	114.49	107.26
31	d2	203	PEB	C4B-C3B-C2B	-3.68	102.70	106.78
31	RG	203	PEB	CMB-C2B-C1B	3.68	130.74	125.06
31	QI	202	PEB	C3D-C4D-ND	3.68	114.49	107.26
31	G8	203	PEB	OD-C4D-ND	-3.68	120.47	125.93
31	T1	203	PEB	C4B-C3B-C2B	-3.68	102.70	106.78
31	HK	203	PEB	C3D-C4D-ND	3.68	114.49	107.26
31	lC	202	PEB	C3D-C4D-ND	3.68	114.49	107.26
31	S8	201	PEB	C1B-C2B-C3B	-3.68	102.28	106.51
31	A8	201	PEB	CHC-C4C-C3C	-3.68	124.05	130.34
31	L7	201	PEB	OA-C1A-C2A	-3.68	123.24	126.17
31	cB	202	PEB	OA-C1A-C2A	-3.68	123.24	126.17
31	mD	201	PEB	OA-C1A-C2A	-3.68	123.24	126.17
31	wF	301	PEB	OD-C4D-ND	-3.68	120.47	125.93
31	AG	203	PEB	C1C-CHB-C4B	3.68	133.21	128.81
31	C8	202	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	r8	201	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	ZI	304	PEB	C3B-C4B-NB	3.68	115.41	110.05
31	I5	201	PEB	CHC-C4C-C3C	-3.68	124.06	130.34
31	F4	202	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	T5	203	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	IK	201	PEB	CHA-C1B-NB	-3.68	117.23	124.93
31	c4	201	PEB	C4B-C3B-C2B	-3.68	102.71	106.78
31	OE	202	PEB	CMB-C2B-C1B	3.68	130.73	125.06
31	U5	201	PEB	C2A-C1A-NA	3.68	111.45	108.27
31	Z2	202	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	fH	201	PEB	OA-C1A-C2A	-3.68	123.25	126.17
31	V4	202	PEB	CMB-C2B-C1B	3.68	130.73	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	UG	201	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	QH	201	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	E4	201	PEB	C1B-C2B-C3B	-3.68	102.28	106.51
32	M9	305	PUB	CMB-C2B-C3B	3.68	131.88	124.94
31	dE	204	PEB	OA-C1A-C2A	-3.68	123.25	126.17
31	e1	301	PEB	CMB-C2B-C1B	3.68	130.73	125.06
31	j8	202	PEB	C3B-C4B-NB	3.68	115.40	110.05
31	n8	201	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	z8	501	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	D9	203	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	IH	201	PEB	C1B-C2B-C3B	-3.68	102.28	106.51
31	X8	201	PEB	C4B-C3B-C2B	-3.68	102.71	106.78
31	X5	201	PEB	C2A-C1A-NA	3.68	111.44	108.27
31	ZC	201	PEB	C3B-C4B-NB	3.68	115.40	110.05
31	WI	203	PEB	CHC-C4C-C3C	-3.68	124.06	130.34
31	dD	203	PEB	C3D-C4D-ND	3.68	114.48	107.26
31	IH	203	PEB	OA-C1A-C2A	-3.68	123.25	126.17
31	bE	201	PEB	OA-C1A-C2A	-3.68	123.25	126.17
31	LB	1002	PEB	C2A-C1A-NA	3.68	111.44	108.27
31	QE	201	PEB	C2A-C1A-NA	3.68	111.44	108.27
31	XH	201	PEB	C2A-C1A-NA	3.68	111.44	108.27
33	GB	1001	CYC	C2C-C1C-NC	3.68	111.44	108.27
31	I7	202	PEB	CHC-C1D-ND	-3.68	109.68	113.95
31	kC	203	PEB	CHC-C1D-ND	-3.68	109.68	113.95
31	HK	202	PEB	CHA-C4A-NA	3.68	129.58	125.20
31	U6	202	PEB	CHC-C4C-C3C	-3.68	124.06	130.34
31	WH	203	PEB	C4B-C3B-C2B	-3.68	102.71	106.78
31	gB	201	PEB	OA-C1A-C2A	-3.68	123.25	126.17
31	vF	201	PEB	CHB-C4B-NB	-3.68	123.73	128.83
31	DJ	201	PEB	C3B-C4B-NB	3.68	115.40	110.05
31	L7	202	PEB	CHA-C1B-NB	-3.68	117.24	124.93
31	H9	202	PEB	CHC-C1D-ND	-3.68	109.68	113.95
31	b6	201	PEB	OA-C1A-C2A	-3.68	123.25	126.17
31	J1	203	PEB	CAB-C3B-C4B	3.68	131.51	125.01
31	KF	203	PEB	C1C-CHB-C4B	3.68	133.20	128.81
31	d4	203	PEB	C3D-C4D-ND	3.68	114.47	107.26
31	CK	201	PEB	CHA-C1B-C2B	3.68	134.35	124.90
31	WB	201	PEB	CHC-C4C-C3C	-3.68	124.07	130.34
31	O2	202	PEB	C3D-C4D-ND	3.68	114.47	107.26
31	Y8	203	PEB	C1B-C2B-C3B	-3.68	102.29	106.51
31	O8	201	PEB	C1B-C2B-C3B	-3.68	102.29	106.51
31	DF	202	PEB	C3B-C4B-NB	3.68	115.39	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MI	305	PEB	C3B-C4B-NB	3.68	115.39	110.05
31	o8	203	PEB	C4B-C3B-C2B	-3.68	102.72	106.78
31	c4	202	PEB	OA-C1A-C2A	-3.67	123.25	126.17
31	VK	201	PEB	C2A-C1A-NA	3.67	111.44	108.27
31	TH	201	PEB	OD-C4D-ND	-3.67	120.49	125.93
31	ZE	201	PEB	CHC-C4C-C3C	-3.67	124.07	130.34
31	R2	201	PEB	C3B-C4B-NB	3.67	115.39	110.05
31	MK	202	PEB	C3D-C4D-ND	3.67	114.47	107.26
31	b2	203	PEB	C3D-C4D-ND	3.67	114.47	107.26
31	lF	201	PEB	C3D-C4D-ND	3.67	114.47	107.26
33	ME	1001	CYC	C1B-NB-C4B	-3.67	105.99	110.67
31	A8	201	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
31	H5	203	PEB	OD-C4D-ND	-3.67	120.49	125.93
31	SD	202	PEB	CHC-C4C-C3C	-3.67	124.07	130.34
31	Z2	201	PEB	C3B-C4B-NB	3.67	115.39	110.05
31	E8	202	PEB	OA-C1A-C2A	-3.67	123.25	126.17
31	GF	203	PEB	OD-C4D-ND	-3.67	120.49	125.93
31	E1	201	PEB	C1C-CHB-C4B	3.67	133.20	128.81
31	WD	201	PEB	C3D-C4D-ND	3.67	114.47	107.26
31	eB	203	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
33	HC	1001	CYC	C1B-CHB-C4A	-3.67	119.11	128.08
31	SI	202	PEB	C3D-C4D-ND	3.67	114.47	107.26
31	f4	201	PEB	C2A-C1A-NA	3.67	111.44	108.27
31	k6	202	PEB	OA-C1A-C2A	-3.67	123.25	126.17
31	jD	202	PEB	OA-C1A-C2A	-3.67	123.25	126.17
31	NK	202	PEB	CMB-C2B-C1B	3.67	130.72	125.06
31	iE	201	PEB	CHA-C1B-NB	-3.67	117.25	124.93
31	V6	201	PEB	C2A-C1A-NA	3.67	111.44	108.27
31	GF	201	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
33	K6	1001	CYC	CHB-C4A-NA	-3.67	117.25	124.93
31	H1	202	PEB	CHC-C1D-ND	-3.67	109.68	113.95
31	z8	501	PEB	CHC-C4C-C3C	-3.67	124.08	130.34
31	SK	202	PEB	C1B-C2B-C3B	-3.67	102.29	106.51
31	VH	201	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
31	c2	201	PEB	C3B-C4B-NB	3.67	115.39	110.05
33	ED	1001	CYC	C2C-C1C-NC	3.67	111.44	108.27
31	jD	202	PEB	C3D-C4D-ND	3.67	114.46	107.26
31	zF	501	PEB	C3D-C4D-ND	3.67	114.46	107.26
31	QF	201	PEB	C3B-C4B-NB	3.67	115.39	110.05
31	NK	203	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
31	SK	201	PEB	OD-C4D-C3D	-3.67	121.14	129.46
31	Q2	202	PEB	CHB-C4B-NB	-3.67	123.74	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	JB	1001	CYC	CHA-C1A-NA	-3.67	123.74	128.83
31	ZC	202	PEB	C3D-C4D-ND	3.67	114.46	107.26
31	VJ	203	PEB	C1C-CHB-C4B	3.67	133.19	128.81
31	O2	201	PEB	OA-C1A-C2A	-3.67	123.26	126.17
31	M8	202	PEB	OA-C1A-C2A	-3.67	123.26	126.17
31	H4	202	PEB	CHC-C1D-ND	-3.67	109.69	113.95
31	bA	201	PEB	C1C-CHB-C4B	3.67	133.19	128.81
31	D5	203	PEB	C3B-C4B-NB	3.67	115.39	110.05
31	LI	202	PEB	C3D-C4D-ND	3.67	114.46	107.26
31	M1	202	PEB	C3D-C4D-ND	3.67	114.46	107.26
31	J2	1002	PEB	C3D-C4D-ND	3.67	114.46	107.26
31	DB	1002	PEB	CHC-C4C-C3C	-3.67	124.08	130.34
31	H9	202	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
31	NF	201	PEB	CHA-C1B-NB	-3.67	117.26	124.93
31	U9	201	PEB	OA-C1A-C2A	-3.67	123.26	126.17
31	EJ	201	PEB	C2A-C1A-NA	3.67	111.43	108.27
31	MI	305	PEB	C3D-C4D-ND	3.67	114.45	107.26
31	j8	201	PEB	OA-C1A-NA	3.67	129.38	124.94
31	PC	201	PEB	C3B-C4B-NB	3.67	115.38	110.05
31	kH	201	PEB	CHA-C1B-NB	-3.67	117.26	124.93
31	W8	203	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
31	jC	202	PEB	C4B-C3B-C2B	-3.67	102.72	106.78
31	S4	203	PEB	CHB-C4B-NB	-3.67	123.74	128.83
31	VE	202	PEB	CHC-C4C-C3C	-3.67	124.08	130.34
31	g2	201	PEB	C2A-C1A-NA	3.67	111.43	108.27
31	aC	201	PEB	C3D-C4D-ND	3.67	114.45	107.26
31	F5	202	PEB	C4B-C3B-C2B	-3.67	102.73	106.78
31	R7	201	PEB	C4B-C3B-C2B	-3.67	102.73	106.78
31	PK	203	PEB	CHC-C4C-C3C	-3.67	124.09	130.34
31	d2	202	PEB	CMB-C2B-C1B	3.67	130.71	125.06
31	K7	201	PEB	CMB-C2B-C1B	3.67	130.71	125.06
33	C2	1001	CYC	OC-C1C-C2C	-3.66	123.26	126.17
31	S7	203	PEB	OD-C4D-ND	-3.66	120.50	125.93
31	YH	201	PEB	C3D-C4D-ND	3.66	114.45	107.26
31	kH	201	PEB	C2A-C1A-NA	3.66	111.43	108.27
31	fE	201	PEB	CMB-C2B-C1B	3.66	130.71	125.06
31	S1	201	PEB	OD-C4D-C3D	-3.66	121.16	129.46
31	J5	203	PEB	CHA-C1B-NB	-3.66	117.27	124.93
33	BD	1002	CYC	C4D-CHA-C1A	3.66	133.19	128.81
31	DJ	202	PEB	C1B-C2B-C3B	-3.66	102.30	106.51
31	MF	202	PEB	OA-C1A-C2A	-3.66	123.26	126.17
31	JI	201	PEB	C3D-C4D-ND	3.66	114.45	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	jH	202	PEB	C3D-C4D-ND	3.66	114.45	107.26
33	EE	1001	CYC	C2C-C1C-NC	3.66	111.43	108.27
31	MI	302	PEB	C3D-C4D-ND	3.66	114.45	107.26
31	FK	202	PEB	C1B-C2B-C3B	-3.66	102.30	106.51
31	v8	201	PEB	CHB-C4B-NB	-3.66	123.75	128.83
31	GG	201	PEB	C3B-C4B-NB	3.66	115.38	110.05
31	C8	202	PEB	CHC-C4C-C3C	-3.66	124.09	130.34
31	HJ	203	PEB	OD-C4D-ND	-3.66	120.50	125.93
31	ZD	201	PEB	OA-C1A-C2A	-3.66	123.26	126.17
31	cB	201	PEB	OA-C1A-C2A	-3.66	123.26	126.17
31	Z6	201	PEB	CHC-C4C-C3C	-3.66	124.09	130.34
31	jE	202	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	KF	203	PEB	OD-C4D-ND	-3.66	120.50	125.93
31	F5	202	PEB	CHA-C1B-NB	-3.66	117.27	124.93
31	S7	201	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	eC	203	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	fD	202	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	D6	1002	PEB	CHC-C4C-C3C	-3.66	124.09	130.34
31	L7	202	PEB	CHC-C4C-C3C	-3.66	124.09	130.34
31	iF	203	PEB	OA-C1A-C2A	-3.66	123.26	126.17
31	PD	202	PEB	CHC-C1D-ND	-3.66	109.70	113.95
33	63	901	CYC	CMB-C2B-C1B	3.66	128.74	124.17
32	Y1	304	PUB	C4B-CHB-C1C	3.66	133.18	128.81
31	mD	201	PEB	CHB-C4B-NB	-3.66	123.75	128.83
31	VK	202	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	l2	203	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	S9	203	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	TA	202	PEB	C1B-C2B-C3B	-3.66	102.31	106.51
31	EH	203	PEB	C2A-C1A-NA	3.66	111.43	108.27
31	HK	203	PEB	C2A-C1A-NA	3.66	111.43	108.27
31	X7	201	PEB	OA-C1A-C2A	-3.66	123.26	126.17
33	GB	1001	CYC	CHA-C1A-NA	-3.66	123.75	128.83
31	Y9	203	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	iC	201	PEB	CHC-C1D-ND	-3.66	109.70	113.95
31	FJ	202	PEB	CHA-C1B-NB	-3.66	117.28	124.93
31	gC	202	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	P7	202	PEB	CHC-C1D-ND	-3.66	109.70	113.95
31	DI	201	PEB	C3D-C4D-ND	3.66	114.44	107.26
31	iD	201	PEB	CHC-C4C-C3C	-3.66	124.10	130.34
31	YH	203	PEB	OA-C1A-C2A	-3.66	123.27	126.17
31	UI	203	PEB	OA-C1A-C2A	-3.66	123.27	126.17
31	O4	202	PEB	OA-C1A-C2A	-3.66	123.27	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	G6	1001	CYC	CHA-C1A-NA	-3.66	123.75	128.83
33	KB	1001	CYC	CHB-C4A-NA	-3.66	117.28	124.93
31	TA	201	PEB	C3D-C4D-ND	3.66	114.43	107.26
31	SE	202	PEB	CHC-C4C-C3C	-3.66	124.10	130.34
31	D4	202	PEB	CMB-C2B-C1B	3.66	130.69	125.06
31	g2	202	PEB	C3D-C4D-ND	3.66	114.43	107.26
31	cA	402	PEB	C2A-C1A-NA	3.66	111.42	108.27
31	C1	201	PEB	CHA-C1B-C2B	3.66	134.30	124.90
31	D5	202	PEB	CHA-C4A-NA	3.66	129.55	125.20
31	HA	201	PEB	CMC-C3C-C2C	-3.66	118.05	124.94
31	jD	201	PEB	C3D-C4D-ND	3.66	114.43	107.26
31	UG	201	PEB	C3B-C4B-NB	3.66	115.37	110.05
31	O8	203	PEB	C3B-C4B-NB	3.66	115.37	110.05
32	w8	304	PUB	OD-C4D-ND	-3.66	120.51	125.93
31	mH	201	PEB	C3D-C4D-ND	3.66	114.43	107.26
31	PB	201	PEB	CMB-C2B-C1B	3.66	130.69	125.06
31	VE	201	PEB	CMB-C2B-C1B	3.66	130.69	125.06
31	H1	203	PEB	C2A-C1A-NA	3.66	111.42	108.27
31	hB	202	PEB	CHC-C1D-ND	-3.65	109.70	113.95
31	bD	202	PEB	OA-C1A-C2A	-3.65	123.27	126.17
33	K2	201	CYC	C2A-C1A-NA	3.65	115.36	110.05
31	dE	203	PEB	C3D-C4D-ND	3.65	114.43	107.26
31	JA	202	PEB	C1B-C2B-C3B	-3.65	102.31	106.51
31	JJ	203	PEB	CHA-C1B-NB	-3.65	117.29	124.93
31	iB	201	PEB	C2A-C1A-NA	3.65	111.42	108.27
31	WE	202	PEB	C3D-C4D-ND	3.65	114.43	107.26
31	P5	203	PEB	OA-C1A-C2A	-3.65	123.27	126.17
33	H2	1001	CYC	C1B-CHB-C4A	-3.65	119.16	128.08
31	SF	201	PEB	C1B-C2B-C3B	-3.65	102.31	106.51
31	S1	202	PEB	C1B-C2B-C3B	-3.65	102.31	106.51
31	AE	301	PEB	C3D-C4D-ND	3.65	114.43	107.26
31	YI	203	PEB	C4B-C3B-C2B	-3.65	102.74	106.78
31	cB	202	PEB	CMB-C2B-C1B	3.65	130.69	125.06
31	ZI	303	PEB	C1C-CHB-C4B	-3.65	124.44	128.81
31	PE	202	PEB	CHC-C1D-ND	-3.65	109.70	113.95
31	TH	201	PEB	C3B-C4B-NB	3.65	115.36	110.05
33	H6	1001	CYC	CHA-C1A-NA	-3.65	123.76	128.83
31	B8	201	PEB	C4B-C3B-C2B	-3.65	102.74	106.78
31	YK	302	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	N5	204	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	E1	201	PEB	CMB-C2B-C1B	3.65	130.69	125.06
31	CF	203	PEB	C3D-C4D-ND	3.65	114.42	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WG	203	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	F9	203	PEB	C2A-C1A-NA	3.65	111.42	108.27
31	m6	202	PEB	C4B-C3B-C2B	-3.65	102.74	106.78
31	QD	203	PEB	CHC-C1D-ND	-3.65	109.71	113.95
31	OJ	201	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	g8	202	PEB	CHB-C4B-NB	-3.65	123.76	128.83
33	JB	1001	CYC	CMB-C2B-C1B	3.65	128.73	124.17
31	T2	202	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	JK	203	PEB	CAB-C3B-C4B	3.65	131.47	125.01
31	QD	202	PEB	CHB-C4B-NB	-3.65	123.76	128.83
31	dC	201	PEB	C2A-C1A-NA	3.65	111.42	108.27
31	eD	202	PEB	C2A-C1A-NA	3.65	111.42	108.27
33	MD	1001	CYC	C1B-C2B-C3B	-3.65	104.06	107.87
31	e8	202	PEB	OA-C1A-C2A	-3.65	123.27	126.17
31	d2	203	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	A5	301	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	QA	201	PEB	C4B-C3B-C2B	-3.65	102.74	106.78
31	RD	201	PEB	CAB-CBB-CGB	-3.65	105.75	113.60
31	LI	203	PEB	CHC-C4C-C3C	-3.65	124.11	130.34
31	fB	201	PEB	C1B-C2B-C3B	-3.65	102.32	106.51
31	FB	1002	PEB	OD-C4D-ND	-3.65	120.52	125.93
32	B4	302	PUB	OD-C4D-ND	-3.65	120.52	125.93
31	A5	304	PEB	CBC-CAC-C2C	-3.65	106.39	112.62
31	c4	202	PEB	C4B-C3B-C2B	-3.65	102.74	106.78
31	Y7	501	PEB	C3D-C4D-ND	3.65	114.42	107.26
31	SK	202	PEB	OA-C1A-C2A	-3.65	123.27	126.17
31	oF	202	PEB	OA-C1A-C2A	-3.65	123.27	126.17
31	V2	201	PEB	CHA-C4A-NA	3.65	129.54	125.20
31	OF	203	PEB	C3B-C4B-NB	3.65	115.36	110.05
31	RJ	203	PEB	C1B-C2B-C3B	-3.65	102.32	106.51
33	I6	1001	CYC	C1B-NB-C4B	-3.65	106.02	110.67
31	HA	203	PEB	C2A-C1A-NA	3.65	111.42	108.27
31	NB	1002	PEB	C2A-C1A-NA	3.65	111.42	108.27
31	g8	202	PEB	C2A-C1A-NA	3.65	111.42	108.27
33	C6	1001	CYC	C1B-C2B-C3B	-3.65	104.06	107.87
31	Z4	202	PEB	CAB-C3B-C4B	3.65	131.46	125.01
31	S7	202	PEB	CHA-C1B-NB	-3.65	117.30	124.93
31	UF	202	PEB	C1B-C2B-C3B	-3.65	102.32	106.51
31	CK	201	PEB	C1B-C2B-C3B	-3.65	102.32	106.51
31	T5	202	PEB	C1C-CHB-C4B	3.65	133.17	128.81
31	L1	201	PEB	OA-C1A-C2A	-3.65	123.27	126.17
31	JC	1002	PEB	C4B-C3B-C2B	-3.65	102.75	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SD	201	PEB	C4B-C3B-C2B	-3.65	102.75	106.78
31	Z9	303	PEB	C4B-C3B-C2B	-3.65	102.75	106.78
31	f2	202	PEB	CMD-C2D-C3D	3.65	135.21	130.06
31	SC	202	PEB	CMB-C2B-C1B	3.65	130.68	125.06
31	JA	201	PEB	C3D-C4D-ND	3.65	114.41	107.26
31	F1	202	PEB	C1B-C2B-C3B	-3.65	102.32	106.51
31	i4	201	PEB	OA-C1A-C2A	-3.65	123.27	126.17
31	IH	203	PEB	C2A-C1A-NA	3.65	111.42	108.27
31	TC	202	PEB	C3D-C4D-ND	3.65	114.41	107.26
31	OE	202	PEB	C3D-C4D-ND	3.65	114.41	107.26
31	D5	202	PEB	C1B-C2B-C3B	-3.65	102.32	106.51
31	D7	202	PEB	CMB-C2B-C1B	3.65	130.68	125.06
31	G1	201	PEB	CMB-C2B-C1B	3.64	130.68	125.06
31	VJ	203	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	k4	201	PEB	C2A-C1A-NA	3.64	111.42	108.27
31	aB	202	PEB	C2A-C1A-NA	3.64	111.42	108.27
31	dH	201	PEB	C2A-C1A-NA	3.64	111.42	108.27
31	R1	202	PEB	C3D-C4D-ND	3.64	114.41	107.26
31	S9	201	PEB	CHC-C1D-ND	-3.64	109.72	113.95
31	PB	202	PEB	CMB-C2B-C1B	3.64	130.68	125.06
31	UH	201	PEB	C1B-C2B-C3B	-3.64	102.32	106.51
31	UF	201	PEB	C2A-C1A-NA	-3.64	105.13	108.27
31	DA	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	Q8	202	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	hH	203	PEB	OA-C1A-C2A	-3.64	123.28	126.17
33	W3	1001	CYC	CAB-C3B-C4B	3.64	127.13	121.38
31	P2	201	PEB	CHA-C1B-NB	-3.64	117.31	124.93
31	O4	201	PEB	CHA-C1B-C2B	3.64	134.27	124.90
31	bD	201	PEB	C3D-C4D-ND	3.64	114.41	107.26
31	IJ	201	PEB	C4B-C3B-C2B	-3.64	102.75	106.78
31	HH	201	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	a4	202	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	h4	202	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	G4	203	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	H7	202	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	OD	202	PEB	C3D-C4D-ND	3.64	114.41	107.26
31	J5	201	PEB	C3D-C4D-ND	3.64	114.41	107.26
31	Y7	502	PEB	C3D-C4D-ND	3.64	114.41	107.26
31	f4	203	PEB	C1B-C2B-C3B	-3.64	102.33	106.51
31	V7	202	PEB	CHC-C1D-ND	-3.64	109.72	113.95
31	X9	202	PEB	CHC-C1D-ND	-3.64	109.72	113.95
31	DI	202	PEB	CHB-C4B-NB	-3.64	123.78	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VD	201	PEB	CMB-C2B-C1B	3.64	130.67	125.06
31	VA	202	PEB	C3B-C4B-NB	3.64	115.35	110.05
31	G5	202	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	Y4	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	KG	201	PEB	CHA-C1B-C2B	3.64	134.26	124.90
31	zF	501	PEB	CHC-C4C-C3C	-3.64	124.13	130.34
31	WE	203	PEB	CMB-C2B-C1B	3.64	130.67	125.06
31	i2	202	PEB	CMB-C2B-C1B	3.64	130.67	125.06
31	iF	201	PEB	C4B-C3B-C2B	-3.64	102.75	106.78
31	Z6	201	PEB	C1B-C2B-C3B	-3.64	102.33	106.51
31	hH	202	PEB	CMB-C2B-C1B	3.64	130.67	125.06
31	N8	201	PEB	CHA-C1B-NB	-3.64	117.32	124.93
31	dE	203	PEB	CHA-C1B-NB	-3.64	117.32	124.93
31	TD	201	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	WF	202	PEB	C1C-CHB-C4B	3.64	133.16	128.81
31	J4	201	PEB	C4B-C3B-C2B	-3.64	102.75	106.78
31	I5	201	PEB	C4B-C3B-C2B	-3.64	102.75	106.78
31	f4	202	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	O4	203	PEB	C3D-C4D-ND	3.64	114.40	107.26
31	m2	202	PEB	CAA-C3A-C4A	3.64	122.02	112.67
31	WJ	201	PEB	CMB-C2B-C1B	3.64	130.67	125.06
31	PB	202	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	bF	202	PEB	C2A-C1A-NA	3.64	111.41	108.27
32	y8	302	PUB	C1C-C2C-C3C	-3.64	102.75	106.78
31	AG	203	PEB	C3D-C4D-ND	3.64	114.40	107.26
31	q8	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	fC	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	iC	202	PEB	CMB-C2B-C1B	3.64	130.67	125.06
31	WG	202	PEB	C3D-C4D-ND	3.64	114.40	107.26
31	BK	201	PEB	C4B-C3B-C2B	-3.64	102.76	106.78
31	QC	203	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	SK	202	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	i6	202	PEB	CMB-C2B-C1B	3.64	130.67	125.06
31	fC	202	PEB	CMD-C2D-C3D	3.64	135.19	130.06
31	A8	201	PEB	CHB-C4B-NB	-3.64	123.78	128.83
31	N1	202	PEB	C3D-C4D-ND	3.64	114.40	107.26
31	KJ	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	G1	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
33	M6	1001	CYC	CMA-C3A-C4A	3.64	130.66	125.06
31	SF	201	PEB	C4B-C3B-C2B	-3.64	102.76	106.78
31	B1	201	PEB	C4B-C3B-C2B	-3.64	102.76	106.78
31	j4	202	PEB	C3D-C4D-ND	3.64	114.39	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	C1	201	PEB	C1B-C2B-C3B	-3.64	102.33	106.51
31	t8	203	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	M9	303	PEB	C4B-C3B-C2B	-3.64	102.76	106.78
31	H7	201	PEB	CHB-C4B-NB	-3.64	123.78	128.83
31	eF	203	PEB	CHB-C4B-NB	-3.64	123.78	128.83
31	WI	202	PEB	C3D-C4D-ND	3.64	114.39	107.26
31	oF	203	PEB	C3D-C4D-ND	3.64	114.39	107.26
33	HB	1001	CYC	CMB-C2B-C1B	3.64	128.71	124.17
32	x8	305	PUB	CHC-C1D-ND	-3.64	109.12	113.72
31	OC	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	QI	201	PEB	OA-C1A-C2A	-3.64	123.28	126.17
31	f2	201	PEB	C2A-C1A-NA	3.64	111.41	108.27
31	AF	201	PEB	CHB-C4B-NB	-3.64	123.78	128.83
31	IA	202	PEB	C4B-C3B-C2B	-3.64	102.76	106.78
31	AF	201	PEB	C4B-C3B-C2B	-3.64	102.76	106.78
31	l2	201	PEB	CHC-C1D-ND	-3.64	109.73	113.95
31	mC	202	PEB	CAA-C3A-C4A	3.64	122.01	112.67
31	RK	202	PEB	C3D-C4D-ND	3.64	114.39	107.26
31	JI	202	PEB	OA-C1A-C2A	-3.63	123.28	126.17
31	ZI	303	PEB	CHC-C4C-C3C	-3.63	124.14	130.34
31	nF	201	PEB	C3D-C4D-ND	3.63	114.39	107.26
31	HA	201	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
33	GB	1001	CYC	CBD-CAD-C3D	-3.63	106.42	112.62
31	BI	202	PEB	C1B-C2B-C3B	-3.63	102.33	106.51
31	WA	401	PEB	C2A-C1A-NA	3.63	111.41	108.27
31	AG	203	PEB	C2A-C1A-NA	3.63	111.41	108.27
31	Z9	301	PEB	C2A-C1A-NA	3.63	111.41	108.27
33	EE	1001	CYC	C2B-C1B-NB	3.63	112.31	106.99
31	ZE	201	PEB	C3D-C4D-ND	3.63	114.39	107.26
31	JJ	201	PEB	C3D-C4D-ND	3.63	114.39	107.26
31	V1	202	PEB	C3D-C4D-ND	3.63	114.39	107.26
31	Y9	202	PEB	C1C-CHB-C4B	3.63	133.15	128.81
31	GH	201	PEB	OA-C1A-C2A	-3.63	123.28	126.17
31	X8	203	PEB	OA-C1A-C2A	-3.63	123.28	126.17
31	l8	202	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
31	dC	203	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
31	b2	203	PEB	C1B-C2B-C3B	-3.63	102.34	106.51
31	b6	202	PEB	CHC-C4C-C3C	-3.63	124.14	130.34
31	E7	202	PEB	CHC-C4C-C3C	-3.63	124.14	130.34
31	d2	201	PEB	C2A-C1A-NA	3.63	111.41	108.27
33	H3	1001	CYC	CAB-C3B-C4B	3.63	127.12	121.38
31	WK	201	PEB	CHA-C1B-NB	-3.63	117.33	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	i8	201	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
31	MH	202	PEB	CHB-C4B-NB	-3.63	123.79	128.83
31	O5	201	PEB	C3D-C4D-ND	3.63	114.39	107.26
31	c6	202	PEB	OA-C1A-C2A	-3.63	123.28	126.17
31	C8	203	PEB	OA-C1A-C2A	-3.63	123.28	126.17
31	F6	1002	PEB	OD-C4D-ND	-3.63	120.55	125.93
31	kH	201	PEB	OD-C4D-ND	-3.63	120.55	125.93
31	Q5	202	PEB	C2A-C1A-NA	3.63	111.40	108.27
31	h6	202	PEB	C3D-C4D-ND	3.63	114.39	107.26
33	M6	1001	CYC	C1B-C2B-C3B	-3.63	104.08	107.87
31	QE	202	PEB	CHB-C4B-NB	-3.63	123.79	128.83
31	X7	201	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
31	D9	203	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
31	M8	202	PEB	C3D-C4D-ND	3.63	114.38	107.26
33	y3	1001	CYC	CAB-C3B-C4B	3.63	127.11	121.38
31	I1	201	PEB	CHA-C1B-NB	-3.63	117.34	124.93
31	P2	201	PEB	C3B-C4B-NB	3.63	115.33	110.05
31	H1	203	PEB	C3D-C4D-ND	3.63	114.38	107.26
31	CF	201	PEB	C2A-C1A-NA	3.63	111.40	108.27
31	LD	1002	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
31	LH	201	PEB	C4B-C3B-C2B	-3.63	102.76	106.78
31	YI	203	PEB	CMB-C2B-C1B	3.63	130.66	125.06
31	cF	201	PEB	CMB-C2B-C1B	3.63	130.66	125.06
31	UI	201	PEB	CAB-C3B-C4B	3.63	131.43	125.01
31	k4	201	PEB	CMB-C2B-C1B	3.63	130.65	125.06
31	kF	202	PEB	C3D-C4D-ND	3.63	114.38	107.26
31	BF	201	PEB	C4B-C3B-C2B	-3.63	102.77	106.78
31	J5	202	PEB	OA-C1A-C2A	-3.63	123.29	126.17
31	dE	201	PEB	CHB-C4B-NB	-3.63	123.79	128.83
31	k6	201	PEB	C2A-C1A-NA	3.63	111.40	108.27
31	ZI	301	PEB	C3D-C4D-ND	3.63	114.38	107.26
31	dC	202	PEB	CMB-C2B-C1B	3.63	130.65	125.06
31	LC	1002	PEB	C3B-C4B-NB	3.63	115.33	110.05
31	S7	203	PEB	C3D-C4D-ND	3.63	114.38	107.26
31	QF	201	PEB	CHC-C4C-C3C	-3.63	124.15	130.34
31	GK	201	PEB	CMB-C2B-C1B	3.63	130.65	125.06
31	Q8	201	PEB	C3D-C4D-ND	3.63	114.38	107.26
31	mH	202	PEB	OD-C4D-ND	-3.63	120.56	125.93
31	O2	201	PEB	C3D-C4D-ND	3.63	114.38	107.26
31	eE	202	PEB	C2A-C1A-NA	3.63	111.40	108.27
31	JJ	202	PEB	OA-C1A-C2A	-3.63	123.29	126.17
31	cC	201	PEB	C3B-C4B-NB	3.63	115.33	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W2	201	PEB	CHA-C1B-NB	-3.63	117.35	124.93
31	jE	201	PEB	C3D-C4D-ND	3.63	114.38	107.26
33	FB	1001	CYC	CHA-C1A-NA	-3.63	123.80	128.83
31	e6	203	PEB	CAB-C3B-C4B	3.63	131.43	125.01
31	o8	203	PEB	C3D-C4D-ND	3.63	114.37	107.26
31	aA	202	PEB	C3D-C4D-ND	3.63	114.37	107.26
31	L2	1002	PEB	C3B-C4B-NB	3.63	115.32	110.05
31	e2	201	PEB	C4B-C3B-C2B	-3.63	102.77	106.78
31	m4	202	PEB	OA-C1A-C2A	-3.63	123.29	126.17
31	WF	203	PEB	CHC-C1D-ND	-3.63	109.74	113.95
31	EH	201	PEB	C1B-C2B-C3B	-3.63	102.34	106.51
31	iE	201	PEB	C1B-C2B-C3B	-3.63	102.34	106.51
31	BI	203	PEB	CMB-C2B-C1B	3.63	130.65	125.06
31	C4	202	PEB	C2A-C1A-NA	3.62	111.40	108.27
31	QF	201	PEB	C3D-C4D-ND	3.62	114.37	107.26
31	AA	501	PEB	CHC-C1D-ND	-3.62	109.74	113.95
31	AH	301	PEB	OA-C1A-C2A	-3.62	123.29	126.17
31	hD	202	PEB	CHC-C4C-C3C	-3.62	124.16	130.34
31	dF	201	PEB	CHA-C1B-NB	-3.62	117.35	124.93
31	NG	203	PEB	C4B-C3B-C2B	-3.62	102.77	106.78
31	H4	201	PEB	C3B-C4B-NB	3.62	115.32	110.05
31	N6	1002	PEB	C2A-C1A-NA	3.62	111.40	108.27
31	kH	201	PEB	C4B-C3B-C2B	-3.62	102.77	106.78
31	QF	202	PEB	OA-C1A-C2A	-3.62	123.29	126.17
31	E1	201	PEB	OA-C1A-C2A	-3.62	123.29	126.17
33	k3	1001	CYC	CAB-C3B-C4B	3.62	127.10	121.38
31	PC	201	PEB	CHA-C1B-NB	-3.62	117.35	124.93
31	LH	201	PEB	CHA-C1B-NB	-3.62	117.35	124.93
33	LC	1003	CYC	C1B-NB-C4B	-3.62	106.06	110.67
32	AH	304	PUB	CBA-CAA-C3A	-3.62	107.48	112.98
31	gF	202	PEB	C3D-C4D-ND	3.62	114.37	107.26
31	QI	203	PEB	OD-C4D-ND	-3.62	120.56	125.93
31	fH	202	PEB	C2A-C1A-NA	3.62	111.40	108.27
31	NF	202	PEB	CHB-C4B-C3B	-3.62	116.95	125.32
31	kB	202	PEB	C4B-C3B-C2B	-3.62	102.77	106.78
33	ID	1001	CYC	CHB-C4A-NA	-3.62	117.36	124.93
31	Y1	302	PEB	C3D-C4D-ND	3.62	114.37	107.26
31	Y2	201	PEB	C3D-C4D-ND	3.62	114.37	107.26
31	B5	203	PEB	C3D-C4D-ND	3.62	114.37	107.26
31	hD	203	PEB	C3D-C4D-ND	3.62	114.37	107.26
31	AF	202	PEB	OA-C1A-C2A	-3.62	123.29	126.17
31	t8	202	PEB	OA-C1A-C2A	-3.62	123.29	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	wF	302	PEB	OA-C1A-C2A	-3.62	123.29	126.17
31	MI	302	PEB	C1B-C2B-C3B	-3.62	102.35	106.51
33	d3	1001	CYC	CAB-C3B-C4B	3.62	127.10	121.38
31	YK	302	PEB	C4B-C3B-C2B	-3.62	102.77	106.78
31	V8	201	PEB	C2A-C1A-NA	3.62	111.39	108.27
31	m6	203	PEB	C3B-C4B-NB	3.62	115.32	110.05
31	AD	301	PEB	OA-C1A-C2A	-3.62	123.29	126.17
31	LE	1002	PEB	C4B-C3B-C2B	-3.62	102.78	106.78
31	mB	202	PEB	C4B-C3B-C2B	-3.62	102.78	106.78
31	IJ	201	PEB	CHC-C4C-C3C	-3.62	124.16	130.34
31	P5	201	PEB	C2A-C1A-NA	3.62	111.39	108.27
31	W8	201	PEB	C2A-C1A-NA	3.62	111.39	108.27
31	YF	202	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	AE	304	PEB	CMB-C2B-C1B	3.62	130.64	125.06
31	DF	201	PEB	OA-C1A-NA	3.62	129.33	124.94
31	h6	202	PEB	CHC-C1D-ND	-3.62	109.74	113.95
31	OD	202	PEB	CMB-C2B-C1B	3.62	130.64	125.06
31	EK	201	PEB	CMB-C2B-C1B	3.62	130.64	125.06
33	CB	1001	CYC	C1B-C2B-C3B	-3.62	104.09	107.87
31	V7	201	PEB	C3B-C4B-NB	3.62	115.31	110.05
31	I8	203	PEB	OD-C4D-ND	-3.62	120.57	125.93
31	NK	202	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	i6	201	PEB	C2A-C1A-NA	3.62	111.39	108.27
33	D2	1001	CYC	C2C-C1C-NC	3.62	111.39	108.27
31	KD	201	PEB	CMB-C2B-C1B	3.62	130.64	125.06
31	V4	201	PEB	C1C-CHB-C4B	-3.62	124.49	128.81
31	b7	503	PEB	CHB-C4B-NB	-3.62	123.81	128.83
31	eF	202	PEB	CHB-C4B-NB	-3.62	123.81	128.83
31	Z2	202	PEB	C3B-C4B-NB	3.62	115.31	110.05
31	ZH	201	PEB	OD-C4D-ND	-3.62	120.57	125.93
31	P2	202	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	q8	202	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	BG	202	PEB	CHA-C1B-C2B	3.62	134.21	124.90
31	LJ	201	PEB	CHA-C1B-NB	-3.62	117.36	124.93
31	a2	201	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	eC	201	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	MI	304	PEB	CHC-C4C-C3C	-3.62	124.17	130.34
31	Y1	301	PEB	C4B-C3B-C2B	-3.62	102.78	106.78
31	PK	203	PEB	CAB-CBB-CGB	-3.62	105.82	113.60
31	VA	201	PEB	C1C-CHB-C4B	3.62	133.13	128.81
31	O2	202	PEB	C2A-C1A-NA	3.62	111.39	108.27
31	J7	202	PEB	CHA-C1B-NB	-3.62	117.36	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fC	201	PEB	CHC-C4C-C3C	-3.62	124.17	130.34
31	T4	202	PEB	CHC-C4C-C3C	-3.62	124.17	130.34
31	YF	203	PEB	CHA-C1B-C2B	3.62	134.20	124.90
31	P6	202	PEB	C2A-C1A-NA	3.62	111.39	108.27
31	c8	202	PEB	C2A-C1A-NA	3.62	111.39	108.27
31	LG	202	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	GJ	202	PEB	C3D-C4D-ND	3.62	114.36	107.26
31	TJ	202	PEB	C1C-CHB-C4B	3.62	133.13	128.81
31	iD	201	PEB	CMB-C2B-C1B	3.62	130.63	125.06
33	H6	1001	CYC	CMB-C2B-C1B	3.62	128.68	124.17
31	h4	201	PEB	OA-C1A-C2A	-3.62	123.30	126.17
31	mE	201	PEB	OA-C1A-C2A	-3.62	123.30	126.17
31	D4	202	PEB	C2A-C1A-NA	3.62	111.39	108.27
31	WD	203	PEB	CMB-C2B-C1B	3.62	130.63	125.06
31	Z8	202	PEB	OD-C4D-ND	-3.62	120.57	125.93
31	U5	201	PEB	C3D-C4D-ND	3.62	114.35	107.26
31	GA	201	PEB	CMB-C2B-C1B	3.62	130.63	125.06
31	RE	201	PEB	CAB-CBB-CGB	-3.61	105.82	113.60
31	VA	202	PEB	C3D-C4D-ND	3.61	114.35	107.26
31	L9	202	PEB	C3D-C4D-ND	3.61	114.35	107.26
31	QH	201	PEB	OA-C1A-C2A	-3.61	123.30	126.17
31	hE	202	PEB	OA-C1A-C2A	-3.61	123.30	126.17
31	C8	201	PEB	C2A-C1A-NA	3.61	111.39	108.27
31	D8	201	PEB	C4B-C3B-C2B	-3.61	102.78	106.78
31	nF	201	PEB	C4B-C3B-C2B	-3.61	102.78	106.78
31	ZH	202	PEB	CMB-C2B-C1B	3.61	130.63	125.06
31	c8	202	PEB	C1B-C2B-C3B	-3.61	102.36	106.51
31	PJ	202	PEB	CHB-C4B-NB	-3.61	123.81	128.83
33	L3	1001	CYC	CAB-C3B-C4B	3.61	127.09	121.38
33	n3	1001	CYC	CAB-C3B-C4B	3.61	127.09	121.38
31	O9	203	PEB	CHC-C1D-ND	-3.61	109.75	113.95
31	WF	201	PEB	C2A-C1A-NA	3.61	111.39	108.27
31	AH	301	PEB	C2A-C1A-NA	3.61	111.39	108.27
31	b8	202	PEB	C2A-C1A-NA	3.61	111.39	108.27
31	DJ	202	PEB	CHA-C4A-NA	3.61	129.50	125.20
31	AD	304	PEB	CMB-C2B-C1B	3.61	130.63	125.06
31	K9	202	PEB	CHC-C1D-ND	-3.61	109.75	113.95
31	WD	203	PEB	C1B-C2B-C3B	-3.61	102.36	106.51
31	l2	201	PEB	C1B-C2B-C3B	-3.61	102.36	106.51
31	N1	202	PEB	CMB-C2B-C1B	3.61	130.63	125.06
31	P6	201	PEB	CMB-C2B-C1B	3.61	130.63	125.06
31	hE	202	PEB	CHC-C4C-C3C	-3.61	124.18	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fH	202	PEB	OA-C1A-C2A	-3.61	123.30	126.17
31	E5	201	PEB	C3D-C4D-ND	3.61	114.35	107.26
33	D3	1001	CYC	CAB-C3B-C4B	3.61	127.08	121.38
31	Y6	203	PEB	C4B-C3B-C2B	-3.61	102.78	106.78
33	MB	1001	CYC	C1B-C2B-C3B	-3.61	104.10	107.87
31	YG	201	PEB	C1B-C2B-C3B	-3.61	102.36	106.51
31	gF	202	PEB	C1B-C2B-C3B	-3.61	102.36	106.51
31	a4	203	PEB	CHB-C4B-NB	-3.61	123.82	128.83
33	ED	1001	CYC	C2B-C1B-NB	3.61	112.28	106.99
33	KB	1001	CYC	C1B-NB-C4B	-3.61	106.07	110.67
33	h3	1001	CYC	CAB-C3B-C4B	3.61	127.08	121.38
31	J9	201	PEB	C3B-C4B-NB	3.61	115.30	110.05
31	Q8	201	PEB	CHC-C4C-C3C	-3.61	124.18	130.34
31	DF	203	PEB	C2A-C1A-NA	3.61	111.39	108.27
31	TJ	201	PEB	C2A-C1A-NA	3.61	111.39	108.27
33	q3	1001	CYC	CAB-C3B-C4B	3.61	127.08	121.38
31	jF	201	PEB	CHC-C4C-C3C	-3.61	124.18	130.34
31	dD	201	PEB	CHB-C4B-NB	-3.61	123.82	128.83
31	W1	201	PEB	CHA-C1B-NB	-3.61	117.38	124.93
31	R5	202	PEB	CHA-C1B-NB	-3.61	117.38	124.93
31	YJ	201	PEB	C2A-C1A-NA	3.61	111.39	108.27
31	OG	202	PEB	C3B-C4B-NB	3.61	115.30	110.05
31	WJ	201	PEB	OA-C1A-C2A	-3.61	123.30	126.17
31	V9	201	PEB	OA-C1A-C2A	-3.61	123.30	126.17
31	UI	202	PEB	C3D-C4D-ND	3.61	114.34	107.26
31	gE	201	PEB	C3B-C4B-NB	3.61	115.30	110.05
31	F7	202	PEB	C3D-C4D-ND	3.61	114.34	107.26
33	H2	1001	CYC	C1B-C2B-C3B	-3.61	104.11	107.87
31	O9	203	PEB	CHB-C4B-NB	-3.61	123.82	128.83
31	QD	203	PEB	C3D-C4D-ND	3.61	114.34	107.26
31	N9	202	PEB	CHC-C1D-ND	-3.61	109.76	113.95
31	dE	202	PEB	CHC-C1D-ND	-3.61	109.76	113.95
31	CK	201	PEB	OA-C1A-C2A	-3.61	123.30	126.17
32	M9	304	PUB	CMD-C2D-C3D	3.61	133.18	127.77
31	lF	202	PEB	C4B-C3B-C2B	-3.61	102.79	106.78
31	cF	201	PEB	C1B-C2B-C3B	-3.61	102.36	106.51
33	CB	1001	CYC	C1B-NB-C4B	-3.61	106.08	110.67
33	I3	1001	CYC	CAB-C3B-C4B	3.61	127.08	121.38
31	CF	202	PEB	C1C-CHB-C4B	3.61	133.12	128.81
31	KA	302	PEB	CHA-C1B-NB	-3.61	117.39	124.93
31	AJ	301	PEB	C3D-C4D-ND	3.61	114.34	107.26
31	LJ	203	PEB	C3D-C4D-ND	3.61	114.34	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	Q3	1001	CYC	CAB-C3B-C4B	3.61	127.08	121.38
31	VI	202	PEB	CHA-C1B-NB	-3.61	117.39	124.93
31	GH	202	PEB	CHB-C4B-NB	-3.61	123.82	128.83
31	OC	201	PEB	C3D-C4D-ND	3.61	114.34	107.26
31	UA	304	PEB	C2A-C1A-NA	3.61	111.38	108.27
31	YG	202	PEB	C2A-C1A-NA	3.61	111.38	108.27
31	W7	202	PEB	C1B-C2B-C3B	-3.61	102.37	106.51
33	w3	1001	CYC	CAB-C3B-C4B	3.61	127.07	121.38
31	TC	201	PEB	C3D-C4D-ND	3.61	114.33	107.26
31	FI	202	PEB	C3D-C4D-ND	3.61	114.33	107.26
31	hB	202	PEB	C3D-C4D-ND	3.61	114.33	107.26
31	SF	203	PEB	CHB-C4B-NB	-3.61	123.83	128.83
31	Y4	202	PEB	OA-C1A-C2A	-3.61	123.31	126.17
31	ZI	301	PEB	C1B-C2B-C3B	-3.61	102.37	106.51
31	E8	201	PEB	C4B-C3B-C2B	-3.61	102.79	106.78
31	V2	202	PEB	C2A-C1A-NA	3.61	111.38	108.27
31	mH	202	PEB	C2A-C1A-NA	3.61	111.38	108.27
31	Y9	203	PEB	CHB-C4B-NB	-3.61	123.83	128.83
31	UJ	201	PEB	C3D-C4D-ND	3.60	114.33	107.26
31	i2	201	PEB	CHC-C1D-ND	-3.60	109.76	113.95
31	V9	202	PEB	CHC-C1D-ND	-3.60	109.76	113.95
31	iB	202	PEB	CMB-C2B-C1B	3.60	130.62	125.06
31	jE	202	PEB	OA-C1A-C2A	-3.60	123.31	126.17
31	KK	201	PEB	CHC-C4C-C3C	-3.60	124.19	130.34
31	L7	202	PEB	CMB-C2B-C1B	3.60	130.61	125.06
31	QE	203	PEB	C3D-C4D-ND	3.60	114.33	107.26
31	EK	201	PEB	C1C-CHB-C4B	3.60	133.11	128.81
31	RE	201	PEB	CHB-C4B-NB	-3.60	123.83	128.83
31	BI	203	PEB	C4B-C3B-C2B	-3.60	102.79	106.78
31	YK	301	PEB	C4B-C3B-C2B	-3.60	102.79	106.78
31	d8	201	PEB	CHA-C1B-NB	-3.60	117.39	124.93
31	C1	201	PEB	OA-C1A-C2A	-3.60	123.31	126.17
31	C9	201	PEB	OA-C1A-C2A	-3.60	123.31	126.17
31	NK	202	PEB	OD-C4D-ND	-3.60	120.59	125.93
31	RB	201	PEB	C3B-C4B-NB	3.60	115.29	110.05
31	cA	403	PEB	C3D-C4D-ND	3.60	114.33	107.26
31	hE	203	PEB	C3D-C4D-ND	3.60	114.33	107.26
31	b7	503	PEB	CMB-C2B-C1B	3.60	130.61	125.06
33	M3	1001	CYC	CAB-C3B-C4B	3.60	127.07	121.38
31	sF	201	PEB	C3B-C4B-NB	3.60	115.29	110.05
33	G6	1001	CYC	C1B-C2B-C3B	-3.60	104.11	107.87
31	WC	201	PEB	C1B-C2B-C3B	-3.60	102.37	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O2	202	PEB	C1B-C2B-C3B	-3.60	102.37	106.51
31	XA	201	PEB	OA-C1A-C2A	-3.60	123.31	126.17
31	cA	402	PEB	C3D-C4D-ND	3.60	114.33	107.26
31	VB	201	PEB	C2A-C1A-NA	3.60	111.38	108.27
31	RH	201	PEB	C2A-C1A-NA	3.60	111.38	108.27
31	WI	203	PEB	C2A-C1A-NA	3.60	111.38	108.27
31	mD	203	PEB	CHC-C4C-C3C	-3.60	124.19	130.34
31	LF	202	PEB	C3B-C4B-NB	3.60	115.29	110.05
31	PC	202	PEB	CHC-C1D-ND	-3.60	109.77	113.95
31	WE	201	PEB	CHC-C1D-ND	-3.60	109.77	113.95
31	DA	203	PEB	CMB-C2B-C1B	3.60	130.61	125.06
31	YC	201	PEB	C3D-C4D-ND	3.60	114.33	107.26
31	Z4	201	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	XK	203	PEB	CBC-CAC-C2C	3.60	118.77	112.62
31	MF	202	PEB	C3D-C4D-ND	3.60	114.32	107.26
31	TJ	202	PEB	CHC-C4C-C3C	-3.60	124.20	130.34
31	ZC	203	PEB	C3D-C4D-ND	3.60	114.32	107.26
31	O8	202	PEB	CHA-C1B-NB	-3.60	117.40	124.93
31	OH	203	PEB	CMB-C2B-C1B	3.60	130.61	125.06
31	J2	1002	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	n8	201	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	Q9	203	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	G9	202	PEB	CHC-C1D-ND	-3.60	109.77	113.95
31	T9	202	PEB	CHC-C1D-ND	-3.60	109.77	113.95
33	IE	1001	CYC	CHB-C4A-NA	-3.60	117.40	124.93
31	A4	302	PEB	C1C-CHB-C4B	-3.60	124.51	128.81
31	YG	201	PEB	OA-C1A-C2A	-3.60	123.31	126.17
31	QH	203	PEB	C2A-C1A-NA	3.60	111.38	108.27
31	Q2	203	PEB	C2A-C1A-NA	3.60	111.38	108.27
31	RJ	202	PEB	CHA-C1B-NB	-3.60	117.40	124.93
31	Q9	201	PEB	CHA-C1B-NB	-3.60	117.40	124.93
33	u3	1001	CYC	CAB-C3B-C4B	3.60	127.06	121.38
31	V5	203	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	Q8	201	PEB	C3B-C4B-NB	3.60	115.28	110.05
33	EC	1001	CYC	C2A-C1A-NA	3.60	115.28	110.05
31	OF	201	PEB	C1B-C2B-C3B	-3.60	102.38	106.51
31	L6	1002	PEB	C2A-C1A-NA	3.60	111.38	108.27
31	X8	202	PEB	OA-C1A-C2A	-3.60	123.31	126.17
33	FB	1001	CYC	CMA-C3A-C4A	3.60	130.60	125.06
31	Z9	302	PEB	C3B-C4B-NB	3.60	115.28	110.05
31	aB	201	PEB	C3B-C4B-NB	3.60	115.28	110.05
32	K1	203	PUB	CHA-C4A-NA	-3.60	109.77	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y7	503	PEB	CHB-C4B-NB	-3.60	123.84	128.83
31	j4	201	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	e8	201	PEB	C3D-C4D-ND	3.60	114.32	107.26
33	U3	1001	CYC	CAB-C3B-C4B	3.60	127.06	121.38
31	e8	203	PEB	C2A-C1A-NA	3.60	111.37	108.27
31	mE	203	PEB	CHC-C4C-C3C	-3.60	124.20	130.34
32	Z9	304	PUB	CMD-C2D-C3D	3.60	133.17	127.77
31	gA	202	PEB	CMB-C2B-C1B	3.60	130.60	125.06
33	B3	1001	CYC	CAB-C3B-C4B	3.60	127.06	121.38
31	PH	202	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
33	C6	1001	CYC	C1B-NB-C4B	-3.60	106.09	110.67
31	dC	203	PEB	C3D-C4D-ND	3.60	114.31	107.26
31	bD	201	PEB	C3B-C4B-NB	3.60	115.28	110.05
31	QG	201	PEB	C2A-C1A-NA	3.60	111.37	108.27
31	gC	201	PEB	C2A-C1A-NA	3.60	111.37	108.27
31	f6	201	PEB	C1B-C2B-C3B	-3.60	102.38	106.51
31	PB	202	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	aH	202	PEB	C4B-C3B-C2B	-3.60	102.80	106.78
31	M9	302	PEB	C3B-C4B-NB	3.60	115.28	110.05
31	L1	202	PEB	C1B-C2B-C3B	-3.60	102.38	106.51
31	Z9	302	PEB	C1B-C2B-C3B	-3.60	102.38	106.51
31	kC	203	PEB	C1B-C2B-C3B	-3.60	102.38	106.51
31	NI	202	PEB	CHA-C1B-NB	-3.59	117.41	124.93
31	RI	202	PEB	CHA-C1B-NB	-3.59	117.41	124.93
31	KG	201	PEB	C2A-C1A-NA	3.59	111.37	108.27
31	R1	203	PEB	C3D-C4D-ND	3.59	114.31	107.26
33	F3	1001	CYC	CAB-C3B-C4B	3.59	127.06	121.38
31	mB	203	PEB	C3B-C4B-NB	3.59	115.28	110.05
31	oF	201	PEB	C4B-C3B-C2B	-3.59	102.80	106.78
31	SE	203	PEB	CHC-C1D-ND	-3.59	109.77	113.95
31	NJ	203	PEB	OA-C1A-C2A	-3.59	123.31	126.17
31	xF	302	PEB	OA-C1A-C2A	-3.59	123.31	126.17
33	g3	1001	CYC	CMA-C3A-C4A	3.59	130.60	125.06
33	l3	1001	CYC	CMA-C3A-C4A	3.59	130.60	125.06
33	O3	1001	CYC	CAB-C3B-C4B	3.59	127.06	121.38
31	TB	201	PEB	C3B-C4B-NB	3.59	115.28	110.05
31	R8	201	PEB	C1C-CHB-C4B	3.59	133.10	128.81
31	OH	201	PEB	C4B-C3B-C2B	-3.59	102.81	106.78
31	U4	202	PEB	CHC-C4C-C3C	-3.59	124.21	130.34
31	D4	201	PEB	CHC-C4C-C3C	-3.59	124.21	130.34
31	GA	202	PEB	CHC-C1D-ND	-3.59	109.78	113.95
31	pF	202	PEB	C4B-C3B-C2B	-3.59	102.81	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	a4	203	PEB	C3D-C4D-ND	3.59	114.31	107.26
31	G5	202	PEB	C3D-C4D-ND	3.59	114.31	107.26
31	KA	301	PEB	C2A-C1A-NA	3.59	111.37	108.27
31	aH	204	PEB	C1B-C2B-C3B	-3.59	102.38	106.51
31	eE	201	PEB	CMB-C2B-C1B	3.59	130.60	125.06
31	R8	202	PEB	C4B-C3B-C2B	-3.59	102.81	106.78
31	O9	203	PEB	C3B-C4B-NB	3.59	115.27	110.05
31	B5	202	PEB	C3D-C4D-ND	3.59	114.31	107.26
33	o3	1001	CYC	CAB-C3B-C4B	3.59	127.05	121.38
31	P4	201	PEB	C2A-C1A-NA	3.59	111.37	108.27
31	M9	301	PEB	C2A-C1A-NA	3.59	111.37	108.27
31	OG	202	PEB	C3D-C4D-ND	3.59	114.31	107.26
31	B1	203	PEB	C3D-C4D-ND	3.59	114.31	107.26
31	N8	201	PEB	C4B-C3B-C2B	-3.59	102.81	106.78
31	a4	203	PEB	C1B-C2B-C3B	-3.59	102.39	106.51
31	M7	201	PEB	C1B-C2B-C3B	-3.59	102.39	106.51
31	N7	201	PEB	OA-C1A-C2A	-3.59	123.32	126.17
31	fH	203	PEB	OA-C1A-C2A	-3.59	123.32	126.17
33	j3	1001	CYC	CAB-C3B-C4B	3.59	127.05	121.38
31	E8	202	PEB	C2A-C1A-NA	3.59	111.37	108.27
31	RF	202	PEB	C4B-C3B-C2B	-3.59	102.81	106.78
31	YH	203	PEB	C4B-C3B-C2B	-3.59	102.81	106.78
31	WC	201	PEB	CHA-C1B-NB	-3.59	117.42	124.93
31	mF	202	PEB	CHC-C4C-C3C	-3.59	124.21	130.34
31	c8	201	PEB	C1B-C2B-C3B	-3.59	102.39	106.51
31	W5	201	PEB	CMB-C2B-C1B	3.59	130.59	125.06
31	KA	301	PEB	C3D-C4D-ND	3.59	114.30	107.26
31	T2	201	PEB	C3D-C4D-ND	3.59	114.30	107.26
31	j2	202	PEB	C3D-C4D-ND	3.59	114.30	107.26
31	c6	203	PEB	OA-C1A-C2A	-3.59	123.32	126.17
31	N8	202	PEB	CHB-C4B-C3B	-3.59	117.03	125.32
31	fD	201	PEB	CMB-C2B-C1B	3.59	130.59	125.06
31	eH	201	PEB	CHC-C4C-C3C	-3.59	124.22	130.34
31	SD	202	PEB	CHC-C1D-ND	-3.59	109.78	113.95
31	h2	203	PEB	CHC-C1D-ND	-3.59	109.78	113.95
31	A9	202	PEB	CHC-C1D-ND	-3.59	109.78	113.95
31	C9	202	PEB	CHC-C1D-ND	-3.59	109.78	113.95
31	a6	201	PEB	C3B-C4B-NB	3.59	115.27	110.05
31	XA	202	PEB	CMB-C2B-C1B	3.59	130.59	125.06
31	T7	202	PEB	OA-C1A-C2A	-3.59	123.32	126.17
31	OC	201	PEB	C1C-CHB-C4B	3.59	133.09	128.81
32	wF	304	PUB	C4B-CHB-C1C	3.59	133.09	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	73	1001	CYC	CAB-C3B-C4B	3.59	127.05	121.38
31	SE	201	PEB	C4B-C3B-C2B	-3.59	102.81	106.78
31	GG	202	PEB	CHB-C4B-NB	-3.59	123.85	128.83
31	aA	202	PEB	CHB-C4B-NB	-3.59	123.85	128.83
31	E5	201	PEB	C2A-C1A-NA	3.59	111.36	108.27
31	o8	203	PEB	C2A-C1A-NA	3.59	111.36	108.27
31	X4	201	PEB	C4B-C3B-C2B	-3.59	102.81	106.78
33	S3	1001	CYC	CAB-C3B-C4B	3.59	127.04	121.38
31	BF	202	PEB	C3B-C4B-NB	3.59	115.27	110.05
33	J6	1001	CYC	CMB-C2B-C1B	3.59	128.65	124.17
31	cC	201	PEB	C3D-C4D-ND	3.59	114.30	107.26
31	I9	202	PEB	CHC-C1D-ND	-3.59	109.78	113.95
33	f3	1001	CYC	CAB-C3B-C4B	3.59	127.04	121.38
31	T7	201	PEB	OA-C1A-C2A	-3.59	123.32	126.17
33	K6	1001	CYC	CBD-CAD-C3D	-3.59	106.50	112.62
31	Y8	202	PEB	C3D-C4D-ND	3.59	114.29	107.26
31	ZC	202	PEB	C2A-C1A-NA	3.59	111.36	108.27
31	D1	202	PEB	C1B-C2B-C3B	-3.59	102.39	106.51
31	R5	203	PEB	C1B-C2B-C3B	-3.59	102.39	106.51
31	M9	302	PEB	C1B-C2B-C3B	-3.59	102.39	106.51
31	HE	1002	PEB	CAB-C3B-C4B	3.59	131.35	125.01
31	R9	202	PEB	CHC-C1D-ND	-3.59	109.78	113.95
31	AF	202	PEB	C4B-C3B-C2B	-3.58	102.81	106.78
31	OC	202	PEB	C1B-C2B-C3B	-3.58	102.39	106.51
31	O2	201	PEB	C1C-CHB-C4B	3.58	133.09	128.81
31	J7	201	PEB	C3D-C4D-ND	3.58	114.29	107.26
31	EF	202	PEB	OA-C1A-C2A	-3.58	123.32	126.17
31	OF	202	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	ZH	201	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	A4	301	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	HA	203	PEB	C3B-C4B-NB	3.58	115.26	110.05
31	OD	203	PEB	C3B-C4B-NB	3.58	115.26	110.05
31	f2	201	PEB	CHC-C4C-C3C	-3.58	124.22	130.34
31	A2	302	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	aC	202	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	P6	202	PEB	C4B-C3B-C2B	-3.58	102.82	106.78
31	a8	201	PEB	C3D-C4D-ND	3.58	114.29	107.26
31	O4	203	PEB	CHB-C4B-NB	-3.58	123.86	128.83
31	RA	201	PEB	C2A-C1A-NA	3.58	111.36	108.27
31	P1	203	PEB	CAB-CBB-CGB	-3.58	105.89	113.60
31	EJ	201	PEB	C3D-C4D-ND	3.58	114.29	107.26
31	gD	201	PEB	C3B-C4B-NB	3.58	115.26	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	p3	1001	CYC	CMA-C3A-C4A	3.58	130.58	125.06
31	KI	202	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	D1	201	PEB	CAB-C3B-C4B	3.58	131.35	125.01
31	SA	201	PEB	OD-C4D-ND	-3.58	120.62	125.93
31	TJ	201	PEB	OD-C4D-C3D	-3.58	121.34	129.46
31	j4	202	PEB	C2A-C1A-NA	3.58	111.36	108.27
31	CI	202	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	SJ	201	PEB	CHB-C4B-C3B	-3.58	117.05	125.32
31	ZB	202	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	OC	203	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	kB	202	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	c6	202	PEB	CMB-C2B-C1B	3.58	130.58	125.06
33	MB	1001	CYC	CMA-C3A-C4A	3.58	130.58	125.06
31	KD	201	PEB	CHC-C4C-C3C	-3.58	124.23	130.34
31	AJ	304	PEB	CBC-CAC-C2C	-3.58	106.51	112.62
31	KA	303	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	UE	202	PEB	CHC-C4C-C3C	-3.58	124.23	130.34
31	VJ	202	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	VJ	203	PEB	C3D-C4D-ND	3.58	114.28	107.26
31	F7	201	PEB	C2A-C1A-NA	3.58	111.36	108.27
31	L1	202	PEB	C3B-C4B-NB	3.58	115.26	110.05
31	E4	202	PEB	CHC-C1D-ND	-3.58	109.79	113.95
33	D2	1001	CYC	C1B-NB-C4B	-3.58	106.11	110.67
31	AE	301	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	LG	201	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	L4	202	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	LA	201	PEB	CMB-C2B-C1B	3.58	130.58	125.06
33	N3	1001	CYC	CMA-C3A-C4A	3.58	130.58	125.06
33	r3	1001	CYC	CMA-C3A-C4A	3.58	130.58	125.06
31	PC	202	PEB	C3D-C4D-ND	3.58	114.28	107.26
31	W2	201	PEB	C1B-C2B-C3B	-3.58	102.40	106.51
31	Z9	303	PEB	C3B-C4B-NB	3.58	115.26	110.05
31	XI	202	PEB	CHA-C1B-NB	-3.58	117.44	124.93
31	fD	203	PEB	C3D-C4D-ND	3.58	114.28	107.26
33	I2	201	CYC	C1B-NB-C4B	-3.58	106.11	110.67
31	QA	204	PEB	C2A-C1A-NA	3.58	111.36	108.27
31	oF	201	PEB	C3B-C4B-NB	3.58	115.26	110.05
31	eC	203	PEB	C1B-C2B-C3B	-3.58	102.40	106.51
31	gD	201	PEB	CMB-C2B-C1B	3.58	130.58	125.06
31	IH	201	PEB	C4B-C3B-C2B	-3.58	102.82	106.78
31	k2	201	PEB	C4B-C3B-C2B	-3.58	102.82	106.78
31	U7	203	PEB	C4B-C3B-C2B	-3.58	102.82	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e2	201	PEB	C3D-C4D-ND	3.58	114.28	107.26
31	gB	203	PEB	CHC-C4C-C3C	-3.58	124.23	130.34
31	O1	201	PEB	CBA-CAA-C3A	-3.58	105.50	113.47
31	cC	201	PEB	CMB-C2B-C1B	3.58	130.57	125.06
31	VJ	203	PEB	C1B-C2B-C3B	-3.58	102.40	106.51
31	p8	202	PEB	C4B-C3B-C2B	-3.58	102.82	106.78
31	hH	201	PEB	CHA-C1B-NB	-3.58	117.45	124.93
31	K5	202	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	RK	201	PEB	CAB-CBB-CGB	-3.58	105.90	113.60
31	c2	201	PEB	CMB-C2B-C1B	3.58	130.57	125.06
31	HG	203	PEB	C3B-C4B-NB	3.58	115.25	110.05
31	O8	203	PEB	C2A-C1A-NA	3.58	111.36	108.27
31	Y2	202	PEB	CHC-C1D-ND	-3.58	109.79	113.95
31	GJ	201	PEB	CMB-C2B-C1B	3.58	130.57	125.06
33	GB	1001	CYC	C1B-C2B-C3B	-3.58	104.14	107.87
31	SA	203	PEB	CHA-C1B-NB	-3.58	117.45	124.93
31	L5	201	PEB	CHA-C1B-NB	-3.58	117.45	124.93
31	OF	202	PEB	C3D-C4D-ND	3.58	114.28	107.26
31	OC	202	PEB	OD-C4D-ND	-3.58	120.63	125.93
31	W9	203	PEB	C4B-C3B-C2B	-3.58	102.82	106.78
32	A2	303	PUB	C1C-C2C-C3C	-3.58	102.82	106.78
31	gE	201	PEB	CHC-C4C-C3C	-3.58	124.24	130.34
31	R7	202	PEB	CHB-C4B-NB	-3.58	123.87	128.83
31	b8	201	PEB	CHA-C1B-NB	-3.58	117.45	124.93
31	DJ	203	PEB	C3B-C4B-NB	3.58	115.25	110.05
31	GA	202	PEB	CMB-C2B-C1B	3.58	130.57	125.06
33	E3	1001	CYC	CMA-C3A-C4A	3.58	130.57	125.06
33	m3	1001	CYC	CMA-C3A-C4A	3.58	130.57	125.06
31	M7	201	PEB	CHC-C4C-C3C	-3.58	124.24	130.34
31	QH	203	PEB	CHA-C1B-NB	-3.58	117.45	124.93
32	AE	302	PUB	C1D-CHC-C4C	-3.58	105.59	113.37
31	X1	203	PEB	CBC-CAC-C2C	3.58	118.72	112.62
31	IA	201	PEB	C4B-C3B-C2B	-3.58	102.83	106.78
31	i8	203	PEB	OA-C1A-C2A	-3.58	123.33	126.17
31	gE	201	PEB	CMB-C2B-C1B	3.58	130.57	125.06
31	z8	501	PEB	C1C-CHB-C4B	3.58	133.08	128.81
31	MA	201	PEB	CHC-C4C-C3C	-3.58	124.24	130.34
32	AD	302	PUB	C1D-CHC-C4C	-3.58	105.59	113.37
31	fC	201	PEB	C2A-C1A-NA	3.58	111.36	108.27
31	aD	201	PEB	C2A-C1A-NA	3.58	111.36	108.27
33	FB	1001	CYC	C2C-C1C-NC	3.58	111.36	108.27
31	R1	201	PEB	CAB-CBB-CGB	-3.57	105.91	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QI	202	PEB	CHB-C4B-NB	-3.57	123.87	128.83
33	DD	1001	CYC	CHB-C4A-NA	-3.57	117.45	124.93
31	T1	201	PEB	CHC-C1D-ND	-3.57	109.80	113.95
31	eD	201	PEB	CMB-C2B-C1B	3.57	130.57	125.06
31	C5	202	PEB	CHB-C4B-C3B	-3.57	117.06	125.32
31	BF	201	PEB	C1C-CHB-C4B	3.57	133.08	128.81
31	C8	202	PEB	C1C-CHB-C4B	3.57	133.08	128.81
31	VH	201	PEB	OA-C1A-C2A	-3.57	123.33	126.17
31	Z6	202	PEB	OA-C1A-C2A	-3.57	123.33	126.17
31	f4	202	PEB	C3D-C4D-ND	3.57	114.27	107.26
31	R1	202	PEB	C1B-C2B-C3B	-3.57	102.40	106.51
31	dH	201	PEB	OD-C4D-ND	-3.57	120.64	125.93
33	R3	1001	CYC	CMA-C3A-C4A	3.57	130.57	125.06
33	v3	1001	CYC	CMA-C3A-C4A	3.57	130.57	125.06
31	O8	203	PEB	CHC-C1D-ND	-3.57	109.80	113.95
33	i3	1001	CYC	CMA-C3A-C4A	3.57	130.57	125.06
31	GI	202	PEB	CHA-C1B-NB	-3.57	117.46	124.93
33	DE	1001	CYC	CHB-C4A-NA	-3.57	117.46	124.93
31	YB	203	PEB	C4B-C3B-C2B	-3.57	102.83	106.78
31	J9	203	PEB	C4B-C3B-C2B	-3.57	102.83	106.78
31	W8	202	PEB	C1C-CHB-C4B	3.57	133.08	128.81
31	G4	202	PEB	C2A-C1A-NA	3.57	111.35	108.27
31	aB	201	PEB	C2A-C1A-NA	3.57	111.35	108.27
31	a8	202	PEB	C1B-C2B-C3B	-3.57	102.41	106.51
31	EI	202	PEB	CHA-C1B-NB	-3.57	117.46	124.93
31	bF	201	PEB	CHA-C1B-NB	-3.57	117.46	124.93
31	dJ	401	PEB	CHC-C4C-C3C	-3.57	124.24	130.34
31	YG	202	PEB	CHC-C1D-ND	-3.57	109.80	113.95
31	NJ	202	PEB	C4B-C3B-C2B	-3.57	102.83	106.78
31	S5	201	PEB	CHB-C4B-C3B	-3.57	117.07	125.32
31	B4	301	PEB	CHB-C4B-NB	-3.57	123.87	128.83
31	J4	202	PEB	OA-C1A-C2A	-3.57	123.33	126.17
31	Z2	203	PEB	C3D-C4D-ND	3.57	114.27	107.26
31	j8	201	PEB	CHC-C4C-C3C	-3.57	124.25	130.34
31	b2	202	PEB	C2A-C1A-NA	3.57	111.35	108.27
31	fH	203	PEB	C2A-C1A-NA	3.57	111.35	108.27
33	L6	1001	CYC	C2C-C1C-NC	3.57	111.35	108.27
31	iE	201	PEB	CMB-C2B-C1B	3.57	130.56	125.06
33	GD	201	CYC	CHB-C4A-NA	-3.57	117.46	124.93
31	RB	201	PEB	OD-C4D-ND	-3.57	120.64	125.93
31	P9	202	PEB	CHC-C1D-ND	-3.57	109.80	113.95
31	LC	1002	PEB	C4B-C3B-C2B	-3.57	102.83	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Q2	203	PEB	C3D-C4D-ND	3.57	114.27	107.26
31	WE	203	PEB	C1B-C2B-C3B	-3.57	102.41	106.51
31	K8	202	PEB	C1B-C2B-C3B	-3.57	102.41	106.51
31	AG	201	PEB	CHB-C4B-NB	-3.57	123.87	128.83
31	AI	202	PEB	CHA-C1B-NB	-3.57	117.46	124.93
31	QE	203	PEB	CHC-C1D-ND	-3.57	109.80	113.95
31	hC	202	PEB	CHC-C1D-ND	-3.57	109.80	113.95
33	J3	1001	CYC	CMA-C3A-C4A	3.57	130.56	125.06
31	sF	201	PEB	CHA-C1B-NB	-3.57	117.47	124.93
31	M7	201	PEB	C3B-C4B-NB	3.57	115.24	110.05
31	M9	303	PEB	C3B-C4B-NB	3.57	115.24	110.05
31	fH	203	PEB	CHB-C4B-NB	-3.57	123.88	128.83
31	F8	202	PEB	OD-C4D-ND	-3.57	120.64	125.93
31	LK	201	PEB	OA-C1A-C2A	-3.57	123.33	126.17
31	iE	202	PEB	C2A-C1A-NA	3.57	111.35	108.27
31	II	202	PEB	CHA-C1B-NB	-3.57	117.47	124.93
33	EC	1001	CYC	C1B-C2B-C3B	-3.57	104.15	107.87
31	PG	201	PEB	CHB-C4B-NB	-3.57	123.88	128.83
31	QH	201	PEB	C2A-C1A-NA	3.57	111.35	108.27
31	CJ	202	PEB	CHB-C4B-C3B	-3.57	117.08	125.32
31	R2	201	PEB	OA-C1A-C2A	-3.57	123.34	126.17
31	R8	202	PEB	CHB-C4B-C3B	-3.57	117.08	125.32
31	PI	202	PEB	CHA-C1B-NB	-3.57	117.47	124.93
33	F6	1001	CYC	CMA-C3A-C4A	3.57	130.56	125.06
31	P4	202	PEB	C4B-C3B-C2B	-3.57	102.83	106.78
31	aB	202	PEB	C4B-C3B-C2B	-3.57	102.83	106.78
31	gE	202	PEB	C4B-C3B-C2B	-3.57	102.83	106.78
31	QG	201	PEB	C3D-C4D-ND	3.57	114.26	107.26
31	a8	203	PEB	C3D-C4D-ND	3.57	114.26	107.26
31	fE	203	PEB	C3D-C4D-ND	3.57	114.26	107.26
32	yF	302	PUB	CHA-C1B-C2B	-3.57	124.25	130.34
33	C6	1001	CYC	C2C-C1C-NC	3.57	111.35	108.27
31	g4	201	PEB	CMB-C2B-C1B	3.57	130.56	125.06
31	pF	202	PEB	CMB-C2B-C1B	3.57	130.56	125.06
31	D1	203	PEB	OA-C1A-C2A	-3.57	123.34	126.17
31	kC	201	PEB	OA-C1A-C2A	-3.57	123.34	126.17
31	WH	203	PEB	C3B-C4B-NB	3.57	115.24	110.05
31	DK	202	PEB	C1B-C2B-C3B	-3.57	102.41	106.51
31	RK	203	PEB	C3D-C4D-ND	3.57	114.26	107.26
31	E9	202	PEB	CHC-C1D-ND	-3.57	109.81	113.95
31	DI	203	PEB	OD-C4D-ND	-3.57	120.65	125.93
31	R4	202	PEB	CAB-C3B-C4B	3.57	131.32	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RI	201	PEB	C2A-C1A-NA	3.57	111.35	108.27
31	QA	204	PEB	C3B-C4B-NB	3.57	115.24	110.05
31	U8	202	PEB	C3B-C4B-NB	3.57	115.24	110.05
31	L2	1002	PEB	C4B-C3B-C2B	-3.57	102.84	106.78
31	N7	201	PEB	C4B-C3B-C2B	-3.57	102.84	106.78
31	dH	201	PEB	C3D-C4D-ND	3.57	114.25	107.26
31	SH	203	PEB	C1B-C2B-C3B	-3.57	102.41	106.51
31	HD	1002	PEB	CAB-C3B-C4B	3.57	131.32	125.01
31	KE	201	PEB	CHC-C4C-C3C	-3.57	124.26	130.34
31	KA	303	PEB	C1C-CHB-C4B	3.57	133.07	128.81
31	K8	203	PEB	C1C-CHB-C4B	3.57	133.07	128.81
33	C3	1001	CYC	CMA-C3A-C4A	3.57	130.55	125.06
31	PI	201	PEB	C2A-C1A-NA	3.56	111.35	108.27
31	WD	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	OE	203	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	L9	201	PEB	CHC-C1D-ND	-3.56	109.81	113.95
33	e3	1001	CYC	CMA-C3A-C4A	3.56	130.55	125.06
31	dH	201	PEB	OA-C1A-C2A	-3.56	123.34	126.17
33	K6	1001	CYC	C1B-NB-C4B	-3.56	106.13	110.67
31	Y2	202	PEB	C1B-C2B-C3B	-3.56	102.42	106.51
31	VA	201	PEB	C3B-C4B-NB	3.56	115.23	110.05
31	JC	1002	PEB	C3B-C4B-NB	3.56	115.23	110.05
31	KK	201	PEB	CMB-C2B-C1B	3.56	130.55	125.06
31	C1	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	TH	201	PEB	C2A-C1A-NA	3.56	111.34	108.27
31	S1	202	PEB	OA-C1A-C2A	-3.56	123.34	126.17
31	g4	202	PEB	OA-C1A-C2A	-3.56	123.34	126.17
31	G9	201	PEB	OA-C1A-C2A	-3.56	123.34	126.17
31	N9	201	PEB	OA-C1A-C2A	-3.56	123.34	126.17
33	KB	1001	CYC	CBD-CAD-C3D	-3.56	106.54	112.62
31	C7	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	OK	201	PEB	CBA-CAA-C3A	-3.56	105.53	113.47
31	IG	201	PEB	CHB-C4B-NB	-3.56	123.89	128.83
31	EI	201	PEB	C2A-C1A-NA	3.56	111.34	108.27
31	KH	203	PEB	C3B-C4B-NB	3.56	115.23	110.05
31	U5	202	PEB	OD-C4D-ND	-3.56	120.65	125.93
32	N5	201	PUB	OA-C1A-NA	-3.56	120.65	125.93
31	Y6	203	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	cF	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
33	J3	1001	CYC	CAB-C3B-C4B	3.56	127.00	121.38
31	b2	201	PEB	OA-C1A-C2A	-3.56	123.34	126.17
31	UH	202	PEB	C4B-C3B-C2B	-3.56	102.84	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TI	201	PEB	C2A-C1A-NA	3.56	111.34	108.27
31	Z2	202	PEB	C2A-C1A-NA	3.56	111.34	108.27
33	LB	1001	CYC	C2C-C1C-NC	3.56	111.34	108.27
33	c3	1001	CYC	CMA-C3A-C4A	3.56	130.55	125.06
31	SE	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	ZD	201	PEB	C3D-C4D-ND	3.56	114.25	107.26
31	L5	203	PEB	C3D-C4D-ND	3.56	114.25	107.26
31	K1	201	PEB	CMB-C2B-C1B	3.56	130.55	125.06
31	XG	201	PEB	CHB-C4B-NB	-3.56	123.89	128.83
31	RA	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	QF	203	PEB	C3D-C4D-ND	3.56	114.24	107.26
31	AH	301	PEB	CHA-C1B-NB	-3.56	117.49	124.93
31	TI	202	PEB	CHA-C1B-NB	-3.56	117.49	124.93
31	Q8	203	PEB	C3D-C4D-ND	3.56	114.24	107.26
31	AH	301	PEB	C1B-C2B-C3B	-3.56	102.42	106.51
31	HG	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	V5	203	PEB	C3D-C4D-ND	3.56	114.24	107.26
31	R6	201	PEB	OD-C4D-ND	-3.56	120.66	125.93
31	WC	202	PEB	C3D-C4D-ND	3.56	114.24	107.26
31	DF	201	PEB	C3D-C4D-ND	3.56	114.24	107.26
31	K7	202	PEB	C1B-C2B-C3B	-3.56	102.42	106.51
31	U2	202	PEB	CHC-C1D-ND	-3.56	109.81	113.95
31	BA	203	PEB	CHC-C4C-C3C	-3.56	124.27	130.34
31	SE	202	PEB	OA-C1A-C2A	-3.56	123.34	126.17
31	GI	201	PEB	C2A-C1A-NA	3.56	111.34	108.27
31	DC	1002	PEB	CHC-C4C-C3C	-3.56	124.27	130.34
31	hD	203	PEB	C4B-C3B-C2B	-3.56	102.84	106.78
31	UE	201	PEB	CHB-C4B-NB	-3.56	123.89	128.83
31	p8	202	PEB	CMB-C2B-C1B	3.56	130.54	125.06
32	A4	303	PUB	OD-C4D-C3D	-3.56	124.18	128.04
31	k4	202	PEB	CHC-C4C-C3C	-3.56	124.27	130.34
33	HC	1001	CYC	C1B-C2B-C3B	-3.56	104.16	107.87
31	zF	501	PEB	C1C-CHB-C4B	3.56	133.06	128.81
31	HH	201	PEB	C3B-C4B-NB	3.56	115.22	110.05
31	Q9	203	PEB	C3B-C4B-NB	3.56	115.22	110.05
33	F6	1001	CYC	CHA-C1A-NA	-3.56	123.89	128.83
31	OH	202	PEB	OA-C1A-C2A	-3.56	123.34	126.17
31	B1	203	PEB	C4B-C3B-C2B	-3.56	102.85	106.78
31	eB	201	PEB	CHA-C1B-NB	-3.56	117.49	124.93
31	DJ	203	PEB	OD-C4D-ND	-3.56	120.66	125.93
31	EK	201	PEB	OD-C4D-ND	-3.56	120.66	125.93
31	jH	201	PEB	OD-C4D-ND	-3.56	120.66	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I4	203	PEB	C2A-C1A-NA	3.56	111.34	108.27
31	m8	202	PEB	CHC-C4C-C3C	-3.56	124.27	130.34
31	BJ	202	PEB	C3D-C4D-ND	3.56	114.24	107.26
31	AC	302	PEB	CHA-C1B-NB	-3.56	117.49	124.93
31	O9	201	PEB	CHB-C4B-NB	-3.56	123.89	128.83
31	EF	202	PEB	C1C-CHB-C4B	3.56	133.06	128.81
31	WH	203	PEB	OD-C4D-ND	-3.56	120.66	125.93
31	P7	202	PEB	CMB-C2B-C1B	3.56	130.54	125.06
33	K3	1001	CYC	CMA-C3A-C4A	3.56	130.54	125.06
31	aE	201	PEB	CHC-C1D-ND	-3.56	109.82	113.95
31	aH	203	PEB	CHC-C1D-ND	-3.56	109.82	113.95
31	kC	201	PEB	C4B-C3B-C2B	-3.56	102.85	106.78
31	VJ	203	PEB	OD-C4D-C3D	-3.56	121.40	129.46
31	t8	203	PEB	OD-C4D-C3D	-3.56	121.40	129.46
31	ZE	201	PEB	OA-C1A-C2A	-3.56	123.35	126.17
31	VI	201	PEB	C2A-C1A-NA	3.56	111.34	108.27
31	i2	201	PEB	OD-C4D-ND	-3.56	120.66	125.93
31	XF	201	PEB	C1C-CHB-C4B	3.56	133.06	128.81
31	ZC	203	PEB	C4B-C3B-C2B	-3.55	102.85	106.78
31	a2	202	PEB	CHA-C1B-NB	-3.55	117.50	124.93
31	s8	201	PEB	CHA-C1B-NB	-3.55	117.50	124.93
33	GE	201	CYC	CHB-C4A-NA	-3.55	117.50	124.93
31	Q7	201	PEB	C3B-C4B-NB	3.55	115.22	110.05
32	NJ	201	PUB	OA-C1A-NA	-3.55	120.67	125.93
32	wF	304	PUB	CBA-CAA-C3A	-3.55	107.59	112.98
31	bA	201	PEB	C3B-C4B-NB	3.55	115.22	110.05
33	P3	1001	CYC	CMA-C3A-C4A	3.55	130.54	125.06
31	TG	202	PEB	CHB-C4B-NB	-3.55	123.90	128.83
31	UG	202	PEB	C4B-C3B-C2B	-3.55	102.85	106.78
31	gD	202	PEB	C4B-C3B-C2B	-3.55	102.85	106.78
31	R2	201	PEB	C2A-C1A-NA	3.55	111.34	108.27
31	OH	203	PEB	OA-C1A-C2A	-3.55	123.35	126.17
31	O4	203	PEB	OA-C1A-C2A	-3.55	123.35	126.17
31	eH	201	PEB	OA-C1A-C2A	-3.55	123.35	126.17
31	WD	203	PEB	C3B-C4B-NB	3.55	115.22	110.05
33	KC	201	CYC	C2A-C1A-NA	3.55	115.22	110.05
31	t8	202	PEB	CHB-C4B-C3B	-3.55	117.11	125.32
31	G7	203	PEB	CHC-C4C-C3C	-3.55	124.28	130.34
31	UF	202	PEB	CHC-C1D-ND	-3.55	109.82	113.95
31	I8	201	PEB	CAC-CBC-CGC	3.55	123.72	113.76
31	ZC	202	PEB	C3B-C4B-NB	3.55	115.22	110.05
31	JK	201	PEB	C3B-C4B-NB	3.55	115.22	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OC	203	PEB	C3D-C4D-ND	3.55	114.23	107.26
31	i8	203	PEB	C3D-C4D-ND	3.55	114.23	107.26
31	N5	204	PEB	C2A-C1A-NA	3.55	111.33	108.27
31	aE	201	PEB	C2A-C1A-NA	3.55	111.33	108.27
31	T5	202	PEB	CHC-C4C-C3C	-3.55	124.28	130.34
31	aH	202	PEB	CHC-C4C-C3C	-3.55	124.28	130.34
31	c8	201	PEB	CMB-C2B-C1B	3.55	130.53	125.06
31	J8	201	PEB	CAA-C3A-C2A	-3.55	105.39	114.26
31	AG	203	PEB	C4B-C3B-C2B	-3.55	102.85	106.78
31	TH	202	PEB	C4B-C3B-C2B	-3.55	102.85	106.78
31	e6	203	PEB	C4B-C3B-C2B	-3.55	102.85	106.78
31	g4	201	PEB	CHA-C1B-NB	-3.55	117.50	124.93
31	E1	202	PEB	C3D-C4D-ND	3.55	114.23	107.26
33	t3	1001	CYC	CMA-C3A-C4A	3.55	130.53	125.06
31	iD	201	PEB	C1B-C2B-C3B	-3.55	102.43	106.51
31	FG	202	PEB	CHC-C1D-ND	-3.55	109.82	113.95
31	uF	201	PEB	OD-C4D-C3D	-3.55	121.42	129.46
31	IK	202	PEB	C3D-C4D-ND	3.55	114.22	107.26
31	I1	202	PEB	C3D-C4D-ND	3.55	114.22	107.26
31	aF	203	PEB	C3D-C4D-ND	3.55	114.22	107.26
31	jH	202	PEB	C1C-CHB-C4B	-3.55	124.57	128.81
31	P6	203	PEB	CHC-C4C-C3C	-3.55	124.28	130.34
31	G5	201	PEB	CMB-C2B-C1B	3.55	130.53	125.06
31	dD	202	PEB	CHC-C1D-ND	-3.55	109.83	113.95
31	sF	202	PEB	C2A-C1A-NA	3.55	111.33	108.27
31	BK	203	PEB	C3B-C4B-NB	3.55	115.21	110.05
31	IJ	201	PEB	OA-C1A-C2A	-3.55	123.35	126.17
31	O9	203	PEB	OA-C1A-C2A	-3.55	123.35	126.17
31	YH	201	PEB	CHB-C4B-NB	-3.55	123.90	128.83
33	C3	1001	CYC	CAB-C3B-C4B	3.55	126.98	121.38
31	PJ	201	PEB	C2A-C1A-NA	3.55	111.33	108.27
31	UJ	201	PEB	C2A-C1A-NA	3.55	111.33	108.27
31	L5	203	PEB	C2A-C1A-NA	3.55	111.33	108.27
31	C4	203	PEB	C1B-C2B-C3B	-3.55	102.43	106.51
31	S9	202	PEB	OD-C4D-ND	-3.55	120.67	125.93
31	NF	201	PEB	C4B-C3B-C2B	-3.55	102.86	106.78
31	F9	201	PEB	C4B-C3B-C2B	-3.55	102.86	106.78
31	CH	202	PEB	C2A-C1A-NA	3.55	111.33	108.27
33	T3	1001	CYC	CAB-C3B-C4B	3.55	126.98	121.38
31	IA	203	PEB	CHC-C1D-ND	-3.55	109.83	113.95
31	W1	201	PEB	C1B-C2B-C3B	-3.55	102.44	106.51
33	D2	1003	CYC	CMB-C2B-C1B	3.55	128.60	124.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U8	202	PEB	CMB-C2B-C1B	3.55	130.53	125.06
31	T9	201	PEB	OA-C1A-C2A	-3.55	123.35	126.17
31	NC	1002	PEB	C3B-C4B-NB	3.55	115.21	110.05
31	DG	201	PEB	CHC-C1D-ND	-3.55	109.83	113.95
31	I1	202	PEB	C1B-C2B-C3B	-3.55	102.44	106.51
31	aF	202	PEB	C1B-C2B-C3B	-3.55	102.44	106.51
31	c2	201	PEB	C3D-C4D-ND	3.55	114.22	107.26
31	IA	201	PEB	C2A-C1A-NA	3.55	111.33	108.27
32	xF	305	PUB	CHC-C1D-ND	-3.55	109.24	113.72
31	YI	203	PEB	OD-C4D-ND	-3.55	120.68	125.93
32	KK	203	PUB	CHA-C4A-NA	-3.55	109.83	113.95
31	hD	202	PEB	OA-C1A-C2A	-3.55	123.35	126.17
31	K1	201	PEB	CHC-C4C-C3C	-3.55	124.29	130.34
31	RD	201	PEB	CHB-C4B-NB	-3.55	123.91	128.83
31	KK	202	PEB	CHB-C4B-NB	-3.55	123.91	128.83
31	KA	302	PEB	C2A-C1A-NA	3.54	111.33	108.27
31	V5	202	PEB	CHA-C1B-NB	-3.54	117.52	124.93
31	T5	201	PEB	OD-C4D-C3D	-3.54	121.43	129.46
31	NG	201	PEB	CHB-C4B-NB	-3.54	123.91	128.83
33	E6	1001	CYC	C1B-NB-C4B	-3.54	106.16	110.67
31	N1	203	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	jC	202	PEB	C3D-C4D-ND	3.54	114.21	107.26
31	cH	202	PEB	CHC-C4C-C3C	-3.54	124.29	130.34
31	CA	202	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	OC	202	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	MF	203	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	g2	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	gC	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	a6	202	PEB	C4B-C3B-C2B	-3.54	102.86	106.78
31	KI	201	PEB	C2A-C1A-NA	3.54	111.33	108.27
31	Z4	201	PEB	C2A-C1A-NA	3.54	111.33	108.27
31	lC	201	PEB	C2A-C1A-NA	3.54	111.33	108.27
31	TA	202	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	R6	201	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	HA	203	PEB	OD-C4D-ND	-3.54	120.68	125.93
31	yF	301	PEB	OD-C4D-ND	-3.54	120.68	125.93
31	e6	203	PEB	CHC-C1D-ND	-3.54	109.83	113.95
31	aD	201	PEB	CHC-C1D-ND	-3.54	109.83	113.95
33	K3	1001	CYC	CAB-C3B-C4B	3.54	126.97	121.38
33	r3	1001	CYC	CAB-C3B-C4B	3.54	126.97	121.38
31	IF	201	PEB	CAC-CBC-CGC	3.54	123.69	113.76
33	J3	1001	CYC	C1A-C2A-C3A	-3.54	102.86	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e8	203	PEB	CHB-C4B-NB	-3.54	123.91	128.83
31	UF	202	PEB	CHC-C4C-C3C	-3.54	124.29	130.34
33	T3	1001	CYC	CMA-C3A-C4A	3.54	130.52	125.06
31	MA	202	PEB	CAA-C3A-C2A	-3.54	105.41	114.26
31	S5	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
33	CC	1001	CYC	OC-C1C-C2C	-3.54	123.36	126.17
32	yF	303	PUB	CHC-C1D-ND	-3.54	109.24	113.72
31	gA	202	PEB	C4B-C3B-C2B	-3.54	102.86	106.78
31	xF	304	PEB	C4B-C3B-C2B	-3.54	102.86	106.78
32	AD	303	PUB	C1C-C2C-C3C	-3.54	102.86	106.78
33	EB	1001	CYC	C1B-NB-C4B	-3.54	106.16	110.67
31	KF	202	PEB	C1B-C2B-C3B	-3.54	102.44	106.51
31	A1	201	PEB	C1C-CHB-C4B	3.54	133.04	128.81
31	Q9	201	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	DG	202	PEB	C3D-C4D-ND	3.54	114.21	107.26
31	FG	201	PEB	CBC-CAC-C2C	-3.54	106.58	112.62
33	J6	1001	CYC	CHA-C1A-NA	-3.54	123.91	128.83
31	w8	302	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	R1	201	PEB	C2A-C1A-NA	3.54	111.33	108.27
33	g3	1001	CYC	C1A-C2A-C3A	-3.54	102.86	106.78
33	FD	202	CYC	C2B-C1B-NB	3.54	112.17	106.99
33	63	901	CYC	CBD-CAD-C3D	-3.54	106.58	112.62
31	K4	203	PEB	C1B-C2B-C3B	-3.54	102.44	106.51
31	WE	203	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	H7	202	PEB	C1C-CHB-C4B	-3.54	124.58	128.81
31	UJ	201	PEB	CHB-C4B-NB	-3.54	123.92	128.83
31	RF	202	PEB	CHB-C4B-C3B	-3.54	117.14	125.32
31	TF	201	PEB	C4B-C3B-C2B	-3.54	102.86	106.78
31	AB	301	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	SD	202	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	U4	202	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	m4	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	eF	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	B8	202	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	a8	203	PEB	CHC-C1D-ND	-3.54	109.84	113.95
31	AI	201	PEB	C2A-C1A-NA	3.54	111.33	108.27
31	CI	201	PEB	C2A-C1A-NA	3.54	111.33	108.27
31	F9	201	PEB	CAA-C3A-C4A	-3.54	103.58	112.67
31	JF	201	PEB	CAA-C3A-C2A	-3.54	105.42	114.26
31	JJ	203	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	UC	202	PEB	CHC-C1D-ND	-3.54	109.84	113.95
31	BK	203	PEB	C3D-C4D-ND	3.54	114.20	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	a6	202	PEB	C2A-C1A-NA	3.54	111.32	108.27
33	G3	1001	CYC	CMA-C3A-C4A	3.54	130.51	125.06
31	QA	204	PEB	C4B-C3B-C2B	-3.54	102.87	106.78
33	r3	1001	CYC	C1A-C2A-C3A	-3.54	102.87	106.78
31	YB	203	PEB	CHC-C1D-ND	-3.54	109.84	113.95
31	L8	202	PEB	C3B-C4B-NB	3.54	115.20	110.05
31	L1	203	PEB	C3D-C4D-ND	3.54	114.20	107.26
31	VB	202	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	E9	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	X9	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	eB	203	PEB	CHC-C1D-ND	-3.54	109.84	113.95
31	DK	201	PEB	CAB-C3B-C4B	3.54	131.27	125.01
33	A3	1001	CYC	CMA-C3A-C4A	3.54	130.51	125.06
31	l8	203	PEB	C3D-C4D-ND	3.54	114.20	107.26
31	s8	201	PEB	C3B-C4B-NB	3.54	115.19	110.05
31	EG	201	PEB	CHB-C4B-NB	-3.54	123.92	128.83
31	U7	203	PEB	C3B-C4B-NB	3.54	115.19	110.05
31	LH	202	PEB	C1C-CHB-C4B	-3.54	124.58	128.81
31	R7	201	PEB	C2A-C1A-NA	3.54	111.32	108.27
31	EA	501	PEB	C4B-C3B-C2B	-3.54	102.87	106.78
32	CI	203	PUB	CMA-C2A-C1A	3.54	129.71	121.39
31	W9	202	PEB	CHB-C4B-NB	-3.54	123.92	128.83
31	g6	203	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	u8	202	PEB	OA-C1A-C2A	-3.54	123.36	126.17
31	tF	202	PEB	CHB-C4B-C3B	-3.54	117.15	125.32
31	dH	202	PEB	CHA-C1B-NB	-3.54	117.54	124.93
32	ZI	305	PUB	CMA-C2A-C1A	3.54	129.71	121.39
31	RA	201	PEB	CMB-C2B-C1B	3.54	130.51	125.06
31	s8	202	PEB	C2A-C1A-NA	3.54	111.32	108.27
31	QC	203	PEB	C3D-C4D-ND	3.54	114.20	107.26
31	mB	203	PEB	CHC-C4C-C3C	-3.54	124.31	130.34
31	KG	201	PEB	OD-C4D-C3D	-3.54	121.45	129.46
31	d6	201	PEB	OA-C1A-C2A	-3.54	123.36	126.17
32	AH	304	PUB	C1D-CHC-C4C	-3.54	105.68	113.37
31	OD	203	PEB	CHC-C1D-ND	-3.54	109.84	113.95
33	EE	1001	CYC	OB-C4B-C3B	-3.54	124.20	128.04
31	V4	202	PEB	C4B-C3B-C2B	-3.54	102.87	106.78
31	cF	201	PEB	C4B-C3B-C2B	-3.54	102.87	106.78
31	F1	203	PEB	C1B-C2B-C3B	-3.54	102.45	106.51
31	MI	301	PEB	CHC-C4C-C3C	-3.53	124.31	130.34
31	ZC	201	PEB	CMB-C2B-C1B	3.53	130.51	125.06
31	Z2	201	PEB	CMB-C2B-C1B	3.53	130.51	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	m2	202	PEB	CHB-C4B-NB	-3.53	123.92	128.83
31	l4	201	PEB	CHB-C4B-NB	-3.53	123.92	128.83
33	BE	1002	CYC	CHB-C1B-NB	-3.53	118.47	126.06
31	W8	203	PEB	CHC-C1D-ND	-3.53	109.84	113.95
31	JJ	203	PEB	C3D-C4D-ND	3.53	114.19	107.26
31	s8	202	PEB	C3D-C4D-ND	3.53	114.19	107.26
31	UJ	202	PEB	OD-C4D-ND	-3.53	120.69	125.93
31	LK	202	PEB	C3B-C4B-NB	3.53	115.19	110.05
31	TK	201	PEB	CHC-C1D-ND	-3.53	109.84	113.95
31	NI	201	PEB	C2A-C1A-NA	3.53	111.32	108.27
31	cD	202	PEB	C2A-C1A-NA	3.53	111.32	108.27
33	A3	1001	CYC	C1A-C2A-C3A	-3.53	102.87	106.78
32	y8	302	PUB	CHA-C1B-C2B	-3.53	124.31	130.34
31	O1	201	PEB	OD-C4D-ND	-3.53	120.70	125.93
31	d2	202	PEB	OD-C4D-ND	-3.53	120.70	125.93
31	o8	202	PEB	OA-C1A-C2A	-3.53	123.36	126.17
33	BE	1002	CYC	C4D-CHA-C1A	3.53	133.03	128.81
31	YC	202	PEB	CHC-C1D-ND	-3.53	109.84	113.95
31	aF	203	PEB	CHC-C1D-ND	-3.53	109.84	113.95
32	y8	302	PUB	CBA-CAA-C3A	-3.53	107.62	112.98
31	AF	202	PEB	C3D-C4D-ND	3.53	114.19	107.26
31	I1	201	PEB	CMB-C2B-C1B	3.53	130.50	125.06
31	E5	202	PEB	CHB-C4B-C3B	-3.53	117.16	125.32
32	Q4	202	PUB	CMA-C2A-C1A	3.53	129.70	121.39
31	f2	202	PEB	C3D-C4D-ND	3.53	114.19	107.26
31	e6	201	PEB	CHA-C1B-NB	-3.53	117.55	124.93
31	P2	202	PEB	CHC-C1D-ND	-3.53	109.85	113.95
31	MA	201	PEB	OA-C1A-C2A	-3.53	123.36	126.17
31	c6	201	PEB	OA-C1A-C2A	-3.53	123.36	126.17
31	N7	202	PEB	OA-C1A-C2A	-3.53	123.36	126.17
31	K9	201	PEB	OA-C1A-C2A	-3.53	123.36	126.17
31	uF	203	PEB	C3D-C4D-ND	3.53	114.19	107.26
31	WG	202	PEB	C3B-C4B-NB	3.53	115.19	110.05
33	e3	1001	CYC	C1A-C2A-C3A	-3.53	102.87	106.78
33	m3	1001	CYC	C1A-C2A-C3A	-3.53	102.87	106.78
31	g6	203	PEB	CHC-C4C-C3C	-3.53	124.31	130.34
31	NF	202	PEB	CHC-C4C-C3C	3.53	136.36	130.34
33	E2	1001	CYC	C1B-C2B-C3B	-3.53	104.19	107.87
31	LH	201	PEB	CMB-C2B-C1B	3.53	130.50	125.06
31	KA	303	PEB	C2A-C1A-NA	3.53	111.32	108.27
31	FF	202	PEB	OD-C4D-ND	-3.53	120.70	125.93
31	eA	201	PEB	CHB-C4B-NB	-3.53	123.93	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	kC	203	PEB	CHA-C1B-NB	-3.53	117.55	124.93
33	FE	1001	CYC	CHB-C4A-NA	-3.53	117.55	124.93
31	FK	203	PEB	C1B-C2B-C3B	-3.53	102.45	106.51
31	b7	502	PEB	OA-C1A-C2A	-3.53	123.37	126.17
31	x8	302	PEB	OA-C1A-C2A	-3.53	123.37	126.17
31	NF	201	PEB	CHC-C4C-C3C	-3.53	124.32	130.34
31	Y7	502	PEB	CMB-C2B-C1B	3.53	130.50	125.06
31	II	201	PEB	C2A-C1A-NA	3.53	111.32	108.27
31	m8	201	PEB	C2A-C1A-NA	3.53	111.32	108.27
31	T4	202	PEB	C4B-C3B-C2B	-3.53	102.88	106.78
31	D8	201	PEB	C3D-C4D-ND	3.53	114.18	107.26
31	VB	201	PEB	CHA-C1B-NB	-3.53	117.55	124.93
31	N2	1002	PEB	C3B-C4B-NB	3.53	115.18	110.05
31	PD	202	PEB	CAB-CBB-CGB	-3.53	106.01	113.60
31	g6	201	PEB	OA-C1A-C2A	-3.53	123.37	126.17
31	WH	201	PEB	CHA-C1B-C2B	3.53	133.97	124.90
31	eF	201	PEB	C3D-C4D-ND	3.53	114.18	107.26
31	D5	203	PEB	OD-C4D-ND	-3.53	120.70	125.93
33	e3	1001	CYC	CAB-C3B-C4B	3.53	126.95	121.38
33	p3	1001	CYC	CAB-C3B-C4B	3.53	126.95	121.38
31	cA	403	PEB	CBC-CAC-C2C	3.53	118.64	112.62
33	DC	1003	CYC	CMB-C2B-C1B	3.53	128.57	124.17
31	ZD	202	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	OF	203	PEB	C2A-C1A-NA	3.53	111.31	108.27
33	DC	1001	CYC	C2C-C1C-NC	3.53	111.31	108.27
31	KG	202	PEB	CHB-C4B-NB	-3.53	123.93	128.83
31	BI	203	PEB	CHB-C4B-NB	-3.53	123.93	128.83
31	P5	202	PEB	CHB-C4B-NB	-3.53	123.93	128.83
31	mC	202	PEB	CHB-C4B-NB	-3.53	123.93	128.83
31	U2	203	PEB	C3B-C4B-NB	3.53	115.18	110.05
31	N8	202	PEB	CHC-C4C-C3C	3.53	136.35	130.34
33	GE	201	CYC	C1B-C2B-C3B	-3.53	104.19	107.87
31	YF	203	PEB	C1B-C2B-C3B	-3.53	102.46	106.51
31	VG	201	PEB	CHB-C4B-NB	-3.53	123.93	128.83
31	a6	201	PEB	CHA-C1B-NB	-3.53	117.55	124.93
31	J5	203	PEB	C3D-C4D-ND	3.53	114.18	107.26
31	D2	1002	PEB	CHC-C4C-C3C	-3.53	124.32	130.34
31	PA	201	PEB	C4B-C3B-C2B	-3.53	102.88	106.78
31	EF	201	PEB	C4B-C3B-C2B	-3.53	102.88	106.78
31	HB	1002	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	WF	203	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	HK	202	PEB	C3D-C4D-ND	3.53	114.18	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RG	201	PEB	CHB-C4B-NB	-3.53	123.93	128.83
31	EK	201	PEB	C1B-C2B-C3B	-3.53	102.46	106.51
33	G3	1001	CYC	C1A-C2A-C3A	-3.53	102.88	106.78
31	IK	201	PEB	CMB-C2B-C1B	3.53	130.50	125.06
31	W1	201	PEB	CMB-C2B-C1B	3.53	130.50	125.06
31	e4	201	PEB	CMB-C2B-C1B	3.53	130.50	125.06
31	P7	201	PEB	OA-C1A-C2A	-3.53	123.37	126.17
31	I9	201	PEB	OA-C1A-C2A	-3.53	123.37	126.17
31	PF	201	PEB	CHC-C1D-ND	-3.53	109.85	113.95
31	sF	202	PEB	C3D-C4D-ND	3.53	114.18	107.26
31	SH	201	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	l2	202	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	kB	201	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	F7	202	PEB	CMB-C2B-C1B	3.53	130.49	125.06
31	QI	201	PEB	C3B-C4B-NB	3.53	115.18	110.05
31	S2	201	PEB	CHA-C1B-C2B	3.53	133.97	124.90
31	h4	202	PEB	CAB-C3B-C4B	3.53	131.25	125.01
31	CG	201	PEB	CHB-C4B-NB	-3.53	123.94	128.83
33	KE	202	CYC	C1B-C2B-C3B	-3.53	104.19	107.87
31	SA	201	PEB	CHC-C4C-C3C	-3.53	124.32	130.34
31	X4	202	PEB	CAB-C3B-C4B	3.53	131.25	125.01
31	X4	202	PEB	OA-C1A-C2A	-3.53	123.37	126.17
31	EF	202	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	XI	201	PEB	C2A-C1A-NA	3.53	111.31	108.27
31	JA	202	PEB	C3B-C4B-NB	3.53	115.18	110.05
31	UC	203	PEB	C3B-C4B-NB	3.53	115.18	110.05
31	P9	201	PEB	C3B-C4B-NB	3.53	115.18	110.05
31	IF	203	PEB	OD-C4D-ND	-3.52	120.71	125.93
31	O2	202	PEB	OD-C4D-ND	-3.52	120.71	125.93
31	YA	201	PEB	CMB-C2B-C1B	3.52	130.49	125.06
33	FD	201	CYC	C4A-C3A-C2A	-3.52	102.46	106.51
31	GK	201	PEB	C3B-C4B-NB	3.52	115.18	110.05
33	G3	1001	CYC	CAB-C3B-C4B	3.52	126.94	121.38
31	XJ	203	PEB	C3D-C4D-ND	3.52	114.17	107.26
31	L8	201	PEB	CHC-C4C-C3C	-3.52	124.33	130.34
31	eF	203	PEB	OD-C4D-ND	-3.52	120.71	125.93
31	WI	203	PEB	CMB-C2B-C1B	3.52	130.49	125.06
31	OD	202	PEB	OA-C1A-C2A	-3.52	123.37	126.17
31	U5	202	PEB	OA-C1A-C2A	-3.52	123.37	126.17
31	V5	203	PEB	OA-C1A-C2A	-3.52	123.37	126.17
32	yF	302	PUB	CBA-CAA-C3A	-3.52	107.63	112.98
31	iC	201	PEB	OD-C4D-ND	-3.52	120.71	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RF	201	PEB	C1C-CHB-C4B	3.52	133.02	128.81
31	fC	202	PEB	C3D-C4D-ND	3.52	114.17	107.26
33	C3	1001	CYC	C1A-C2A-C3A	-3.52	102.88	106.78
31	B1	203	PEB	C3B-C4B-NB	3.52	115.17	110.05
31	yF	301	PEB	C2A-C1A-NA	3.52	111.31	108.27
31	aE	201	PEB	C3B-C4B-NB	3.52	115.17	110.05
31	DF	203	PEB	C4B-C3B-C2B	-3.52	102.88	106.78
31	G1	202	PEB	C3D-C4D-ND	3.52	114.17	107.26
31	P7	201	PEB	CHB-C4B-NB	-3.52	123.94	128.83
31	GK	202	PEB	C3D-C4D-ND	3.52	114.17	107.26
31	D6	1002	PEB	C1C-CHB-C4B	3.52	133.02	128.81
31	S9	201	PEB	OA-C1A-C2A	-3.52	123.37	126.17
31	WC	201	PEB	C4B-C3B-C2B	-3.52	102.89	106.78
31	iH	201	PEB	C4B-C3B-C2B	-3.52	102.89	106.78
31	Q6	202	PEB	CHC-C1D-ND	-3.52	109.86	113.95
31	O8	202	PEB	C3D-C4D-ND	3.52	114.17	107.26
31	vF	201	PEB	C3D-C4D-ND	3.52	114.17	107.26
31	w8	302	PEB	CHA-C1B-NB	-3.52	117.57	124.93
31	UE	203	PEB	C3D-C4D-ND	3.52	114.17	107.26
31	jD	202	PEB	CHC-C4C-C3C	-3.52	124.33	130.34
31	KF	201	PEB	C2A-C1A-NA	3.52	111.31	108.27
31	d8	201	PEB	C2A-C1A-NA	3.52	111.31	108.27
31	fC	202	PEB	C3B-C4B-NB	3.52	115.17	110.05
31	A9	201	PEB	OA-C1A-C2A	-3.52	123.37	126.17
31	G5	201	PEB	CAB-C3B-C4B	3.52	131.24	125.01
31	EH	203	PEB	C1B-C2B-C3B	-3.52	102.47	106.51
31	QA	203	PEB	OD-C4D-ND	-3.52	120.72	125.93
31	LK	202	PEB	C1B-C2B-C3B	-3.52	102.47	106.51
31	V6	201	PEB	CHA-C1B-NB	-3.52	117.57	124.93
33	LB	1001	CYC	C1A-C2A-C3A	-3.52	102.89	106.78
31	AB	305	PEB	C2A-C1A-NA	3.52	111.31	108.27
31	MF	202	PEB	C2A-C1A-NA	3.52	111.31	108.27
33	A3	1001	CYC	CAB-C3B-C4B	3.52	126.94	121.38
31	EF	201	PEB	CAB-C3B-C4B	3.52	131.23	125.01
31	SA	201	PEB	CHA-C1B-NB	-3.52	117.57	124.93
31	HK	203	PEB	CHC-C4C-C3C	-3.52	124.34	130.34
31	YF	202	PEB	OA-C1A-C2A	-3.52	123.38	126.17
31	OK	202	PEB	OA-C1A-C2A	-3.52	123.38	126.17
31	dB	202	PEB	OA-C1A-C2A	-3.52	123.38	126.17
33	BD	1002	CYC	CHB-C1B-NB	-3.52	118.51	126.06
31	aB	203	PEB	CHC-C4C-C3C	-3.52	124.34	130.34
31	T4	202	PEB	C2A-C1A-NA	3.52	111.31	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WA	401	PEB	C3B-C4B-NB	3.52	115.17	110.05
31	kC	202	PEB	CMB-C2B-C1B	3.52	130.48	125.06
31	VJ	203	PEB	C4B-C3B-C2B	-3.52	102.89	106.78
31	BK	203	PEB	C4B-C3B-C2B	-3.52	102.89	106.78
33	K3	1001	CYC	C1A-C2A-C3A	-3.52	102.89	106.78
33	N3	1001	CYC	C1A-C2A-C3A	-3.52	102.89	106.78
33	i3	1001	CYC	CAB-C3B-C4B	3.52	126.93	121.38
31	MJ	201	PEB	C1C-CHB-C4B	3.52	133.01	128.81
32	BH	302	PUB	C4B-CHB-C1C	-3.52	124.61	128.81
31	lF	203	PEB	C3D-C4D-ND	3.52	114.16	107.26
31	QD	202	PEB	CHC-C4C-C3C	-3.52	124.34	130.34
33	ED	1001	CYC	OB-C4B-C3B	-3.52	124.22	128.04
31	B7	201	PEB	CHA-C1B-NB	-3.52	117.58	124.93
31	RC	201	PEB	OA-C1A-C2A	-3.52	123.38	126.17
31	lE	202	PEB	OA-C1A-C2A	-3.52	123.38	126.17
31	UD	201	PEB	CHB-C4B-NB	-3.52	123.95	128.83
33	E2	1001	CYC	C2A-C1A-NA	3.52	115.16	110.05
31	CK	202	PEB	CHC-C1D-ND	-3.52	109.86	113.95
31	FI	201	PEB	OD-C4D-ND	-3.52	120.72	125.93
31	M4	201	PEB	OD-C4D-ND	-3.52	120.72	125.93
31	Y1	302	PEB	C4B-C3B-C2B	-3.52	102.89	106.78
31	D8	203	PEB	C4B-C3B-C2B	-3.52	102.89	106.78
31	dC	201	PEB	C4B-C3B-C2B	-3.52	102.89	106.78
31	FA	201	PEB	C2A-C1A-NA	3.52	111.30	108.27
31	E8	202	PEB	C3D-C4D-ND	3.52	114.16	107.26
31	I7	202	PEB	OD-C4D-ND	-3.52	120.72	125.93
31	W8	202	PEB	OD-C4D-ND	-3.52	120.72	125.93
31	UD	203	PEB	C3D-C4D-ND	3.52	114.16	107.26
31	IK	202	PEB	C1B-C2B-C3B	-3.51	102.47	106.51
31	kE	201	PEB	CHC-C1D-ND	-3.51	109.87	113.95
31	OF	203	PEB	C4B-C3B-C2B	-3.51	102.89	106.78
33	t3	1001	CYC	C1A-C2A-C3A	-3.51	102.89	106.78
31	aD	201	PEB	C3B-C4B-NB	3.51	115.16	110.05
31	JI	201	PEB	CAB-C3B-C4B	3.51	131.23	125.01
31	i4	202	PEB	OA-C1A-C2A	-3.51	123.38	126.17
31	F9	203	PEB	OA-C1A-C2A	-3.51	123.38	126.17
31	T9	202	PEB	OA-C1A-C2A	-3.51	123.38	126.17
31	k6	203	PEB	CHC-C1D-ND	-3.51	109.87	113.95
31	NG	203	PEB	C3B-C4B-NB	3.51	115.16	110.05
31	I9	201	PEB	C3B-C4B-NB	3.51	115.16	110.05
31	SA	202	PEB	C4B-C3B-C2B	-3.51	102.89	106.78
31	LC	1002	PEB	C1B-C2B-C3B	-3.51	102.47	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	UD	202	PEB	CHC-C4C-C3C	-3.51	124.34	130.34
33	v3	1001	CYC	CAB-C3B-C4B	3.51	126.93	121.38
31	FI	203	PEB	OA-C1A-C2A	-3.51	123.38	126.17
31	W4	203	PEB	CHA-C1B-NB	-3.51	117.58	124.93
31	k6	202	PEB	CHA-C1B-NB	-3.51	117.58	124.93
31	Q1	202	PEB	C1B-C2B-C3B	-3.51	102.47	106.51
32	y8	302	PUB	OD-C4D-ND	-3.51	120.73	125.93
31	Y8	203	PEB	CHA-C1B-C2B	3.51	133.93	124.90
31	I9	202	PEB	C1C-CHB-C4B	3.51	133.00	128.81
31	wF	302	PEB	CHA-C1B-NB	-3.51	117.59	124.93
31	W2	201	PEB	C4B-C3B-C2B	-3.51	102.90	106.78
31	o8	201	PEB	C4B-C3B-C2B	-3.51	102.90	106.78
31	C9	202	PEB	OA-C1A-C2A	-3.51	123.38	126.17
31	dC	202	PEB	OD-C4D-ND	-3.51	120.73	125.93
31	a6	203	PEB	CHC-C4C-C3C	-3.51	124.35	130.34
31	EF	202	PEB	C3D-C4D-ND	3.51	114.15	107.26
31	kB	203	PEB	CHC-C1D-ND	-3.51	109.87	113.95
31	Q4	201	PEB	OD-C4D-ND	-3.51	120.73	125.93
31	CH	203	PEB	C1B-C2B-C3B	-3.51	102.48	106.51
31	I9	201	PEB	C1B-C2B-C3B	-3.51	102.48	106.51
31	ZA	201	PEB	CMB-C2B-C1B	3.51	130.47	125.06
31	SI	202	PEB	CHC-C1D-ND	-3.51	109.87	113.95
31	V2	203	PEB	C3D-C4D-ND	3.51	114.15	107.26
31	VC	201	PEB	CHA-C4A-NA	3.51	129.38	125.20
32	AE	303	PUB	C1C-C2C-C3C	-3.51	102.90	106.78
31	m8	201	PEB	CHC-C4C-C3C	-3.51	124.35	130.34
31	jE	202	PEB	CHC-C4C-C3C	-3.51	124.35	130.34
31	GJ	201	PEB	CAB-C3B-C4B	3.51	131.22	125.01
31	DA	203	PEB	C3B-C4B-NB	3.51	115.15	110.05
31	LA	201	PEB	C3B-C4B-NB	3.51	115.15	110.05
31	MH	202	PEB	C3B-C4B-NB	3.51	115.15	110.05
31	V1	201	PEB	CAC-CBC-CGC	-3.51	103.92	113.76
33	FD	201	CYC	CHB-C4A-NA	-3.51	117.59	124.93
31	d5	401	PEB	CHC-C4C-C3C	-3.51	124.35	130.34
31	HJ	203	PEB	OA-C1A-C2A	-3.51	123.38	126.17
33	E3	1001	CYC	C1A-C2A-C3A	-3.51	102.90	106.78
33	H6	1001	CYC	C2A-C1A-NA	3.51	115.15	110.05
31	OK	201	PEB	OD-C4D-ND	-3.51	120.73	125.93
33	N3	1001	CYC	CAB-C3B-C4B	3.51	126.92	121.38
31	EK	202	PEB	C3D-C4D-ND	3.51	114.14	107.26
31	YH	203	PEB	CBC-CAC-C2C	-3.51	106.63	112.62
31	VC	202	PEB	CHA-C4A-NA	3.51	129.38	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	EJ	202	PEB	CHB-C4B-C3B	-3.51	117.22	125.32
31	RD	202	PEB	CMB-C2B-C1B	3.51	130.47	125.06
31	VK	203	PEB	C3D-C4D-ND	3.51	114.14	107.26
31	UI	203	PEB	C1C-CHB-C4B	-3.51	124.62	128.81
31	ZA	201	PEB	CHC-C4C-C3C	-3.51	124.36	130.34
31	GF	203	PEB	CHC-C4C-C3C	-3.51	124.36	130.34
31	x8	304	PEB	C4B-C3B-C2B	-3.51	102.90	106.78
33	i3	1001	CYC	C1A-C2A-C3A	-3.51	102.90	106.78
33	t3	1001	CYC	CAB-C3B-C4B	3.51	126.92	121.38
31	SF	202	PEB	CHC-C4C-C3C	-3.51	124.36	130.34
31	GH	202	PEB	C2A-C1A-NA	3.51	111.30	108.27
31	O9	202	PEB	C2A-C1A-NA	3.51	111.30	108.27
31	NH	201	PEB	OD-C4D-ND	-3.51	120.73	125.93
31	WI	203	PEB	OD-C4D-ND	-3.51	120.73	125.93
31	eC	203	PEB	CHA-C1B-NB	-3.51	117.60	124.93
31	R9	202	PEB	OA-C1A-C2A	-3.51	123.39	126.17
31	iF	201	PEB	OA-C1A-C2A	-3.51	123.39	126.17
31	I5	202	PEB	OD-C4D-ND	-3.51	120.74	125.93
31	AK	201	PEB	CHA-C1B-NB	-3.51	117.60	124.93
31	SF	201	PEB	C3B-C4B-NB	3.51	115.15	110.05
31	TG	202	PEB	CHC-C1D-ND	-3.51	109.88	113.95
31	A9	202	PEB	C1C-CHB-C4B	3.51	133.00	128.81
31	L7	201	PEB	CHB-C4B-NB	-3.51	123.96	128.83
31	KH	202	PEB	C2A-C1A-NA	3.51	111.30	108.27
31	kC	201	PEB	C2A-C1A-NA	3.51	111.30	108.27
31	cE	202	PEB	C2A-C1A-NA	3.51	111.30	108.27
32	w8	304	PUB	CBA-CAA-C3A	-3.51	107.66	112.98
31	A1	201	PEB	CHA-C1B-NB	-3.51	117.60	124.93
31	UE	202	PEB	OD-C4D-ND	-3.51	120.74	125.93
31	y8	301	PEB	OD-C4D-ND	-3.51	120.74	125.93
31	l4	201	PEB	OA-C1A-C2A	-3.51	123.39	126.17
31	R9	201	PEB	OA-C1A-C2A	-3.51	123.39	126.17
32	AH	303	PUB	CHA-C4A-NA	-3.51	109.88	113.95
31	R5	203	PEB	C3D-C4D-ND	3.50	114.14	107.26
33	m3	1001	CYC	CAB-C3B-C4B	3.50	126.91	121.38
31	G9	202	PEB	C1C-CHB-C4B	3.50	133.00	128.81
32	y8	303	PUB	CHC-C1D-ND	-3.50	109.29	113.72
31	E1	201	PEB	OD-C4D-ND	-3.50	120.74	125.93
31	J5	203	PEB	C3B-C4B-NB	3.50	115.15	110.05
33	l3	1001	CYC	CAB-C3B-C4B	3.50	126.91	121.38
31	IG	203	PEB	C4B-C3B-C2B	-3.50	102.91	106.78
31	q8	202	PEB	C4B-C3B-C2B	-3.50	102.91	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OF	203	PEB	CHC-C1D-ND	-3.50	109.88	113.95
31	E8	201	PEB	CAB-C3B-C4B	3.50	131.21	125.01
31	T6	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	S1	202	PEB	C2A-C1A-NA	3.50	111.29	108.27
31	LK	203	PEB	C3D-C4D-ND	3.50	114.13	107.26
31	d4	201	PEB	OA-C1A-C2A	-3.50	123.39	126.17
31	UC	203	PEB	OD-C4D-ND	-3.50	120.74	125.93
31	ZD	203	PEB	OD-C4D-ND	-3.50	120.74	125.93
32	wF	304	PUB	OD-C4D-ND	-3.50	120.74	125.93
31	w8	302	PEB	C3D-C4D-ND	3.50	114.13	107.26
33	E3	1001	CYC	CAB-C3B-C4B	3.50	126.91	121.38
31	N1	202	PEB	CHA-C4A-NA	3.50	129.37	125.20
31	kB	202	PEB	CHA-C1B-NB	-3.50	117.61	124.93
31	PE	201	PEB	CMB-C2B-C1B	3.50	130.46	125.06
31	iC	201	PEB	CMB-C2B-C1B	3.50	130.46	125.06
31	UB	201	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	N9	201	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	QB	202	PEB	CHC-C1D-ND	-3.50	109.88	113.95
31	HI	201	PEB	CAB-C3B-C4B	3.50	131.20	125.01
31	P9	201	PEB	OA-C1A-C2A	-3.50	123.39	126.17
31	KF	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	d4	201	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	C8	203	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	RK	201	PEB	C2A-C1A-NA	3.50	111.29	108.27
31	dF	201	PEB	C2A-C1A-NA	3.50	111.29	108.27
31	eK	301	PEB	CHC-C1D-ND	-3.50	109.88	113.95
31	PD	201	PEB	CMB-C2B-C1B	3.50	130.46	125.06
31	S8	201	PEB	C4B-C3B-C2B	-3.50	102.91	106.78
31	KF	201	PEB	CHB-C4B-NB	-3.50	123.97	128.83
31	W7	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	l2	201	PEB	CHA-C1B-NB	-3.50	117.61	124.93
31	Z6	202	PEB	CHC-C4C-C3C	-3.50	124.37	130.34
31	i8	203	PEB	OD-C4D-ND	-3.50	120.75	125.93
33	FD	201	CYC	CMB-C2B-C1B	3.50	128.54	124.17
31	OE	203	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	u8	202	PEB	C3D-C4D-ND	3.50	114.12	107.26
31	R9	201	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	AK	201	PEB	C1C-CHB-C4B	3.50	132.99	128.81
31	E9	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	R9	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	T9	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	H1	202	PEB	C3D-C4D-ND	3.50	114.12	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	aF	201	PEB	C3D-C4D-ND	3.50	114.12	107.26
33	P3	1001	CYC	C1A-C2A-C3A	-3.50	102.91	106.78
31	aB	201	PEB	CHA-C1B-NB	-3.50	117.61	124.93
31	HJ	203	PEB	C2A-C1A-NA	3.50	111.29	108.27
31	V9	201	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	wF	302	PEB	C3D-C4D-ND	3.50	114.12	107.26
31	hH	203	PEB	C3D-C4D-ND	3.50	114.12	107.26
31	C9	202	PEB	C1C-CHB-C4B	3.50	132.99	128.81
31	i2	201	PEB	CMB-C2B-C1B	3.50	130.45	125.06
31	R1	203	PEB	CHC-C4C-C3C	-3.50	124.37	130.34
31	BG	201	PEB	OD-C4D-ND	-3.50	120.75	125.93
31	X9	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	E5	202	PEB	OA-C1A-C2A	-3.50	123.39	126.17
31	dE	203	PEB	OA-C1A-C2A	-3.50	123.39	126.17
31	X8	201	PEB	C1C-CHB-C4B	3.50	132.99	128.81
31	K9	202	PEB	C1C-CHB-C4B	3.50	132.99	128.81
31	k2	202	PEB	CMB-C2B-C1B	3.50	130.45	125.06
31	K8	201	PEB	C2A-C1A-NA	3.50	111.29	108.27
31	k8	202	PEB	C2A-C1A-NA	3.50	111.29	108.27
31	A8	202	PEB	C3D-C4D-ND	3.50	114.12	107.26
31	T6	201	PEB	CHC-C1D-ND	-3.50	109.89	113.95
33	P3	1001	CYC	CAB-C3B-C4B	3.50	126.90	121.38
31	iF	202	PEB	C4B-C3B-C2B	-3.50	102.91	106.78
33	p3	1001	CYC	C1A-C2A-C3A	-3.50	102.91	106.78
31	WC	203	PEB	CMB-C2B-C1B	3.50	130.45	125.06
31	A4	302	PEB	CHC-C4C-C3C	-3.50	124.37	130.34
31	GH	203	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	g8	203	PEB	C1B-C2B-C3B	-3.50	102.49	106.51
31	MH	202	PEB	OD-C4D-ND	-3.50	120.75	125.93
31	MG	401	PEB	CHC-C1D-ND	-3.50	109.89	113.95
31	NG	201	PEB	CHC-C1D-ND	-3.50	109.89	113.95
31	HA	201	PEB	C3B-C4B-NB	3.50	115.14	110.05
31	K1	202	PEB	CHB-C4B-NB	-3.50	123.98	128.83
31	h2	202	PEB	C2A-C1A-NA	3.50	111.29	108.27
31	FF	201	PEB	C4B-C3B-C2B	-3.50	102.91	106.78
31	qF	202	PEB	C4B-C3B-C2B	-3.50	102.91	106.78
31	VK	203	PEB	CHC-C4C-C3C	-3.50	124.37	130.34
31	XK	201	PEB	CHA-C1B-NB	-3.50	117.62	124.93
31	AJ	301	PEB	OD-C4D-ND	-3.50	120.75	125.93
31	k2	202	PEB	C3D-C4D-ND	3.50	114.12	107.26
31	K8	201	PEB	C3B-C4B-NB	3.50	115.13	110.05
31	Q9	203	PEB	CHC-C1D-ND	-3.50	109.89	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OI	203	PEB	CHB-C4B-NB	-3.50	123.98	128.83
31	NK	202	PEB	CHA-C4A-NA	3.50	129.36	125.20
31	gC	203	PEB	C3D-C4D-ND	3.50	114.12	107.26
31	NA	202	PEB	C4B-C3B-C2B	-3.50	102.91	106.78
33	v3	1001	CYC	C1A-C2A-C3A	-3.50	102.91	106.78
31	UD	202	PEB	OD-C4D-ND	-3.50	120.75	125.93
31	LH	202	PEB	OA-C1A-C2A	-3.50	123.39	126.17
31	QH	204	PEB	C2A-C1A-NA	3.50	111.29	108.27
33	FD	202	CYC	C2C-C1C-NC	3.50	111.29	108.27
31	j2	201	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	v8	201	PEB	C3D-C4D-ND	3.49	114.12	107.26
33	g3	1001	CYC	CAB-C3B-C4B	3.49	126.90	121.38
31	IH	202	PEB	CHA-C1B-C2B	3.49	133.89	124.90
33	R3	1001	CYC	C1A-C2A-C3A	-3.49	102.92	106.78
31	WE	201	PEB	C3B-C4B-NB	3.49	115.13	110.05
31	l8	203	PEB	CHA-C1B-C2B	3.49	133.88	124.90
31	kE	202	PEB	C2A-C1A-NA	3.49	111.28	108.27
31	PF	202	PEB	OA-C1A-C2A	-3.49	123.39	126.17
31	MJ	202	PEB	OA-C1A-C2A	-3.49	123.39	126.17
31	d4	201	PEB	CHB-C4B-NB	-3.49	123.98	128.83
31	iF	203	PEB	C3D-C4D-ND	3.49	114.11	107.26
31	SB	202	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	QC	201	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	G8	201	PEB	CHA-C1B-C2B	3.49	133.88	124.90
31	Y4	203	PEB	C2A-C1A-NA	3.49	111.28	108.27
31	UJ	202	PEB	OA-C1A-C2A	-3.49	123.40	126.17
31	U6	202	PEB	OA-C1A-C2A	-3.49	123.40	126.17
31	ZF	201	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	X5	203	PEB	C3D-C4D-ND	3.49	114.11	107.26
31	V5	203	PEB	OD-C4D-C3D	-3.49	121.55	129.46
31	KH	203	PEB	C4B-C3B-C2B	-3.49	102.92	106.78
31	EJ	201	PEB	CMB-C2B-C1B	3.49	130.44	125.06
31	V7	201	PEB	C2A-C1A-NA	3.49	111.28	108.27
31	hB	202	PEB	C2A-C1A-NA	3.49	111.28	108.27
31	eF	203	PEB	C2A-C1A-NA	3.49	111.28	108.27
31	SK	201	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	bC	201	PEB	OA-C1A-C2A	-3.49	123.40	126.17
31	uF	203	PEB	OA-C1A-C2A	-3.49	123.40	126.17
31	PE	201	PEB	CBC-CAC-C2C	3.49	118.58	112.62
31	V2	202	PEB	CHA-C4A-NA	3.49	129.36	125.20
31	WK	201	PEB	CMB-C2B-C1B	3.49	130.44	125.06
31	FJ	201	PEB	CMA-C2A-C1A	-3.49	104.88	112.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	S7	202	PEB	C1C-CHB-C4B	3.49	132.98	128.81
31	N9	202	PEB	C1C-CHB-C4B	3.49	132.98	128.81
31	W2	202	PEB	C3D-C4D-ND	3.49	114.11	107.26
31	X1	201	PEB	CHA-C1B-NB	-3.49	117.63	124.93
31	dD	204	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	aH	201	PEB	C2A-C1A-NA	3.49	111.28	108.27
31	ZB	202	PEB	CHC-C4C-C3C	-3.49	124.38	130.34
31	VC	203	PEB	C3D-C4D-ND	3.49	114.11	107.26
31	J1	201	PEB	C3B-C4B-NB	3.49	115.13	110.05
33	L6	1001	CYC	C1A-C2A-C3A	-3.49	102.92	106.78
31	U6	201	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	OG	203	PEB	CMB-C2B-C1B	3.49	130.44	125.06
33	DC	1001	CYC	C1B-NB-C4B	-3.49	106.23	110.67
31	AH	301	PEB	C3B-C4B-NB	3.49	115.12	110.05
31	A5	301	PEB	OD-C4D-ND	-3.49	120.76	125.93
33	73	1002	CYC	C1B-C2B-C3B	-3.49	104.23	107.87
33	c3	1001	CYC	C1A-C2A-C3A	-3.49	102.92	106.78
31	V5	203	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	SJ	201	PEB	OA-C1A-C2A	-3.49	123.40	126.17
31	f2	202	PEB	C3B-C4B-NB	3.49	115.12	110.05
31	T4	201	PEB	CHA-C1B-NB	-3.49	117.64	124.93
31	GA	203	PEB	CHC-C4C-C3C	-3.49	124.39	130.34
31	PD	201	PEB	CBC-CAC-C2C	3.49	118.57	112.62
31	d2	201	PEB	C4B-C3B-C2B	-3.49	102.92	106.78
31	FJ	201	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	CG	201	PEB	CHC-C1D-ND	-3.49	109.90	113.95
31	B7	201	PEB	OD-C4D-ND	-3.49	120.76	125.93
31	I8	201	PEB	CMB-C2B-C3B	-3.49	116.65	126.12
31	LF	201	PEB	CHC-C4C-C3C	-3.49	124.39	130.34
31	A8	202	PEB	C4B-C3B-C2B	-3.49	102.92	106.78
31	L2	1002	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	X9	201	PEB	C1B-C2B-C3B	-3.49	102.50	106.51
31	V8	202	PEB	OD-C4D-ND	-3.49	120.76	125.93
31	h4	201	PEB	C2A-C1A-NA	3.49	111.28	108.27
31	m6	203	PEB	CHC-C4C-C3C	-3.49	124.39	130.34
31	o8	203	PEB	C3B-C4B-NB	3.49	115.12	110.05
31	K8	201	PEB	CMB-C2B-C1B	3.49	130.43	125.06
31	O2	203	PEB	C4B-C3B-C2B	-3.49	102.92	106.78
33	JC	1003	CYC	C1B-C2B-C3B	-3.49	104.23	107.87
31	C7	201	PEB	C3D-C4D-ND	3.49	114.10	107.26
31	P1	202	PEB	C3B-C4B-NB	3.49	115.12	110.05
31	I4	203	PEB	CHA-C1B-NB	-3.49	117.64	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O8	203	PEB	C3D-C4D-ND	3.49	114.10	107.26
31	aA	202	PEB	CHC-C4C-C3C	-3.49	124.39	130.34
31	G1	201	PEB	C3B-C4B-NB	3.49	115.12	110.05
31	HA	203	PEB	CHC-C1D-ND	-3.49	109.90	113.95
31	YI	201	PEB	OA-C1A-C2A	-3.49	123.40	126.17
31	NA	202	PEB	C2A-C1A-NA	3.48	111.28	108.27
31	YF	201	PEB	C2A-C1A-NA	3.48	111.28	108.27
31	T5	203	PEB	C2A-C1A-NA	3.48	111.28	108.27
31	g2	201	PEB	C3D-C4D-ND	3.48	114.10	107.26
31	G9	201	PEB	C1B-C2B-C3B	-3.48	102.51	106.51
31	K9	201	PEB	C1B-C2B-C3B	-3.48	102.51	106.51
33	l3	1001	CYC	C1A-C2A-C3A	-3.48	102.93	106.78
31	G8	203	PEB	CHC-C4C-C3C	-3.48	124.39	130.34
33	c3	1001	CYC	CAB-C3B-C4B	3.48	126.88	121.38
31	S8	202	PEB	CHC-C4C-C3C	-3.48	124.39	130.34
31	JG	201	PEB	OA-C1A-C2A	-3.48	123.40	126.17
31	I5	201	PEB	OA-C1A-C2A	-3.48	123.40	126.17
31	M9	302	PEB	OD-C4D-ND	-3.48	120.77	125.93
31	lF	203	PEB	CHA-C1B-C2B	3.48	133.86	124.90
33	I6	1001	CYC	C2C-C1C-NC	3.48	111.28	108.27
31	K9	201	PEB	C3B-C4B-NB	3.48	115.12	110.05
31	K8	201	PEB	CHB-C4B-NB	-3.48	124.00	128.83
31	M7	203	PEB	C3D-C4D-ND	3.48	114.09	107.26
31	cA	401	PEB	C4B-C3B-C2B	-3.48	102.93	106.78
31	ZF	202	PEB	OD-C4D-ND	-3.48	120.77	125.93
31	UK	202	PEB	OD-C4D-ND	-3.48	120.77	125.93
31	T1	201	PEB	C2A-C1A-NA	3.48	111.28	108.27
31	h6	202	PEB	C2A-C1A-NA	3.48	111.28	108.27
31	y8	301	PEB	C2A-C1A-NA	3.48	111.28	108.27
31	EF	202	PEB	CHC-C4C-C3C	-3.48	124.40	130.34
31	NK	203	PEB	C3B-C4B-NB	3.48	115.11	110.05
31	b8	202	PEB	CMB-C2B-C1B	3.48	130.43	125.06
31	RK	202	PEB	C1B-C2B-C3B	-3.48	102.51	106.51
32	yF	302	PUB	OD-C4D-ND	-3.48	120.77	125.93
31	SC	201	PEB	CHA-C1B-C2B	3.48	133.85	124.90
31	RK	203	PEB	CHC-C4C-C3C	-3.48	124.40	130.34
31	NG	203	PEB	C1C-CHB-C4B	3.48	132.97	128.81
31	R9	202	PEB	C1C-CHB-C4B	3.48	132.97	128.81
31	AA	501	PEB	C3B-C4B-NB	3.48	115.11	110.05
31	J7	201	PEB	C3B-C4B-NB	3.48	115.11	110.05
31	PE	202	PEB	CAB-CBB-CGB	-3.48	106.11	113.60
31	VK	201	PEB	CAC-CBC-CGC	-3.48	104.00	113.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fD	201	PEB	CHB-C4B-NB	-3.48	124.00	128.83
31	gF	201	PEB	OD-C4D-ND	-3.48	120.77	125.93
31	KA	302	PEB	OD-C4D-C3D	-3.48	121.57	129.46
31	EG	201	PEB	CHC-C1D-ND	-3.48	109.91	113.95
31	GG	202	PEB	CHC-C1D-ND	-3.48	109.91	113.95
31	KG	202	PEB	CHC-C1D-ND	-3.48	109.91	113.95
31	PG	201	PEB	CHC-C1D-ND	-3.48	109.91	113.95
31	O2	203	PEB	C3D-C4D-ND	3.48	114.09	107.26
31	d4	201	PEB	C2A-C1A-NA	3.48	111.27	108.27
31	A7	203	PEB	C4B-C3B-C2B	-3.48	102.93	106.78
31	T9	202	PEB	C1C-CHB-C4B	3.48	132.97	128.81
31	VJ	201	PEB	C3B-C4B-NB	3.48	115.11	110.05
31	G9	201	PEB	C3B-C4B-NB	3.48	115.11	110.05
31	UH	202	PEB	CHC-C4C-C3C	-3.48	124.40	130.34
31	kH	202	PEB	OD-C4D-ND	-3.48	120.78	125.93
31	V6	202	PEB	OD-C4D-C3D	-3.48	121.58	129.46
31	BG	202	PEB	CMB-C2B-C1B	3.48	130.42	125.06
31	F9	201	PEB	C1B-C2B-C3B	-3.48	102.51	106.51
31	P9	202	PEB	C1C-CHB-C4B	3.48	132.97	128.81
31	KK	201	PEB	C3D-C4D-ND	3.48	114.08	107.26
31	C4	202	PEB	C4B-C3B-C2B	-3.48	102.93	106.78
31	KH	203	PEB	CMB-C2B-C1B	3.48	130.42	125.06
31	L7	201	PEB	C3B-C4B-NB	3.48	115.11	110.05
31	k4	202	PEB	CAB-C3B-C4B	3.48	131.16	125.01
31	C9	201	PEB	C1B-C2B-C3B	-3.48	102.51	106.51
31	WF	201	PEB	CHC-C1D-ND	-3.48	109.91	113.95
31	E5	201	PEB	C4B-C3B-C2B	-3.48	102.93	106.78
31	hE	203	PEB	C4B-C3B-C2B	-3.48	102.93	106.78
31	zF	501	PEB	CHB-C4B-C3B	-3.48	117.28	125.32
31	M8	203	PEB	CMB-C2B-C1B	3.48	130.42	125.06
31	C4	202	PEB	CBC-CAC-C2C	-3.48	106.69	112.62
31	RC	201	PEB	C2A-C1A-NA	3.48	111.27	108.27
31	eA	201	PEB	C2A-C1A-NA	3.48	111.27	108.27
31	aB	201	PEB	OD-C4D-ND	-3.48	120.78	125.93
33	R3	1001	CYC	CAB-C3B-C4B	3.48	126.87	121.38
31	X9	202	PEB	OA-C1A-C2A	-3.48	123.41	126.17
31	U8	202	PEB	CHC-C4C-C3C	-3.48	124.41	130.34
31	b2	201	PEB	C4B-C3B-C2B	-3.48	102.93	106.78
31	U5	201	PEB	CHB-C4B-NB	-3.48	124.00	128.83
31	WC	202	PEB	CHC-C4C-C3C	-3.48	124.41	130.34
31	WK	201	PEB	C1B-C2B-C3B	-3.48	102.52	106.51
33	M2	201	CYC	C1B-C2B-C3B	-3.48	104.24	107.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O9	202	PEB	C3D-C4D-ND	3.48	114.08	107.26
31	oF	203	PEB	C3B-C4B-NB	3.48	115.11	110.05
31	U2	203	PEB	OD-C4D-ND	-3.48	120.78	125.93
31	YI	202	PEB	OA-C1A-C2A	-3.48	123.41	126.17
31	V6	202	PEB	OA-C1A-C2A	-3.48	123.41	126.17
31	CF	202	PEB	CHB-C4B-C3B	-3.48	117.29	125.32
31	J7	202	PEB	CHC-C1D-ND	-3.48	109.91	113.95
31	LI	203	PEB	OD-C4D-ND	-3.48	120.78	125.93
31	PJ	203	PEB	OD-C4D-ND	-3.48	120.78	125.93
33	L2	1001	CYC	CBD-CAD-C3D	3.48	118.55	112.62
31	UE	201	PEB	C4B-C3B-C2B	-3.48	102.94	106.78
31	LH	202	PEB	C4B-C3B-C2B	-3.48	102.94	106.78
31	H9	201	PEB	C2A-C1A-NA	3.48	111.27	108.27
31	T2	201	PEB	CAB-C3B-C4B	3.48	131.16	125.01
31	O2	203	PEB	OA-C1A-C2A	-3.47	123.41	126.17
31	V4	202	PEB	OA-C1A-C2A	-3.47	123.41	126.17
31	P8	202	PEB	OA-C1A-C2A	-3.47	123.41	126.17
31	HB	1002	PEB	C4B-C3B-C2B	-3.47	102.94	106.78
31	V4	201	PEB	C4B-C3B-C2B	-3.47	102.94	106.78
31	O7	201	PEB	C4B-C3B-C2B	-3.47	102.94	106.78
31	G7	201	PEB	C3D-C4D-ND	3.47	114.08	107.26
31	SF	203	PEB	C2A-C1A-NA	3.47	111.27	108.27
31	iH	202	PEB	C2A-C1A-NA	3.47	111.27	108.27
31	E5	201	PEB	CMB-C2B-C1B	3.47	130.41	125.06
31	kH	202	PEB	CMB-C2B-C1B	3.47	130.41	125.06
31	U9	201	PEB	C1B-C2B-C3B	-3.47	102.52	106.51
31	d2	202	PEB	CHA-C1B-NB	-3.47	117.67	124.93
31	kC	202	PEB	C3D-C4D-ND	3.47	114.08	107.26
31	GF	201	PEB	CHA-C1B-C2B	3.47	133.83	124.90
31	xF	302	PEB	C3D-C4D-ND	3.47	114.07	107.26
31	C7	202	PEB	CHC-C4C-C3C	-3.47	124.41	130.34
31	IF	201	PEB	CMB-C2B-C3B	-3.47	116.69	126.12
31	J2	1002	PEB	C3B-C4B-NB	3.47	115.10	110.05
31	C9	201	PEB	C3B-C4B-NB	3.47	115.10	110.05
33	E6	1001	CYC	C1B-C2B-C3B	-3.47	104.25	107.87
33	LC	1001	CYC	CBD-CAD-C3D	3.47	118.55	112.62
31	F5	201	PEB	CMA-C2A-C1A	-3.47	104.92	112.40
31	gC	201	PEB	C3D-C4D-ND	3.47	114.07	107.26
31	I1	201	PEB	C1B-C2B-C3B	-3.47	102.52	106.51
31	RE	202	PEB	CMB-C2B-C1B	3.47	130.41	125.06
31	QJ	201	PEB	CMB-C2B-C1B	3.47	130.41	125.06
31	NK	203	PEB	CAC-CBC-CGC	-3.47	104.03	113.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VC	201	PEB	C2A-C1A-NA	3.47	111.27	108.27
31	M8	202	PEB	C2A-C1A-NA	3.47	111.27	108.27
31	PK	202	PEB	C3B-C4B-NB	3.47	115.10	110.05
31	eB	201	PEB	C3B-C4B-NB	3.47	115.10	110.05
31	H4	202	PEB	CHC-C4C-C3C	-3.47	124.42	130.34
31	MK	202	PEB	C2A-C1A-NA	3.47	111.27	108.27
31	X9	202	PEB	C1C-CHB-C4B	3.47	132.96	128.81
31	QH	201	PEB	C1B-C2B-C3B	-3.47	102.52	106.51
31	S8	202	PEB	CHB-C4B-NB	-3.47	124.01	128.83
31	gB	202	PEB	CHB-C4B-NB	-3.47	124.01	128.83
31	V9	202	PEB	C1C-CHB-C4B	3.47	132.95	128.81
31	J7	202	PEB	CHC-C4C-C3C	-3.47	124.42	130.34
31	A9	201	PEB	C1B-C2B-C3B	-3.47	102.52	106.51
31	ZE	202	PEB	C2A-C1A-NA	3.47	111.26	108.27
31	J7	201	PEB	C2A-C1A-NA	3.47	111.26	108.27
31	bA	201	PEB	C2A-C1A-NA	3.47	111.26	108.27
31	NB	1002	PEB	OD-C4D-ND	-3.47	120.79	125.93
31	N9	201	PEB	C3B-C4B-NB	3.47	115.10	110.05
31	N1	202	PEB	C4B-C3B-C2B	-3.47	102.94	106.78
33	HB	1001	CYC	C2A-C1A-NA	3.47	115.09	110.05
31	OC	203	PEB	C1B-C2B-C3B	-3.47	102.53	106.51
31	b2	203	PEB	CHA-C1B-NB	-3.47	117.68	124.93
33	FD	202	CYC	CMB-C2B-C1B	3.47	128.50	124.17
31	TE	201	PEB	C2A-C1A-NA	3.47	111.26	108.27
31	bC	202	PEB	C2A-C1A-NA	3.47	111.26	108.27
33	CB	1001	CYC	C2C-C1C-NC	3.47	111.26	108.27
31	HG	203	PEB	OD-C4D-C3D	-3.47	121.60	129.46
31	OH	202	PEB	C3D-C4D-ND	3.47	114.06	107.26
31	W2	203	PEB	CMB-C2B-C1B	3.47	130.41	125.06
31	O9	201	PEB	CMB-C2B-C1B	3.47	130.41	125.06
33	F6	1001	CYC	CHB-C4A-NA	-3.47	117.68	124.93
31	S2	202	PEB	C1B-C2B-C3B	-3.47	102.53	106.51
31	O1	201	PEB	CHA-C4A-NA	3.47	129.33	125.20
31	eE	201	PEB	CMB-C2B-C1B	3.47	130.40	125.06
31	IJ	202	PEB	OD-C4D-ND	-3.47	120.79	125.93
31	P9	202	PEB	OA-C1A-C2A	-3.47	123.42	126.17
31	K1	201	PEB	C3D-C4D-ND	3.47	114.06	107.26
31	D5	203	PEB	C4B-C3B-C2B	-3.47	102.94	106.78
33	FB	1001	CYC	CHB-C4A-NA	-3.47	117.68	124.93
31	S8	203	PEB	C2A-C1A-NA	3.47	111.26	108.27
33	H2	1001	CYC	C4A-C3A-C2A	-3.47	102.53	106.51
31	jE	201	PEB	CMB-C2B-C1B	3.47	130.40	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	E9	202	PEB	C1C-CHB-C4B	3.47	132.95	128.81
31	ZG	401	PEB	CHA-C1B-NB	-3.47	117.68	124.93
31	mD	201	PEB	CHC-C4C-C3C	-3.47	124.42	130.34
31	SG	201	PEB	OA-C1A-C2A	-3.47	123.42	126.17
31	P4	202	PEB	OA-C1A-C2A	-3.47	123.42	126.17
31	G9	202	PEB	OA-C1A-C2A	-3.47	123.42	126.17
32	B4	302	PUB	OA-C1A-NA	-3.47	120.80	125.93
31	VB	201	PEB	C3B-C4B-NB	3.47	115.09	110.05
31	A9	201	PEB	C3B-C4B-NB	3.47	115.09	110.05
31	BG	201	PEB	C2A-C1A-NA	3.47	111.26	108.27
31	TC	201	PEB	CAB-C3B-C4B	3.47	131.14	125.01
31	RD	201	PEB	CHA-C1B-NB	-3.47	117.68	124.93
31	b8	201	PEB	OD-C4D-ND	-3.47	120.80	125.93
31	bF	202	PEB	OD-C4D-ND	-3.47	120.80	125.93
33	CE	1001	CYC	C2B-C1B-NB	3.47	112.06	106.99
31	WD	202	PEB	C1B-C2B-C3B	-3.47	102.53	106.51
31	Z9	301	PEB	CHA-C1B-C2B	3.47	133.81	124.90
31	P5	203	PEB	OD-C4D-ND	-3.46	120.80	125.93
31	w8	301	PEB	C4B-C3B-C2B	-3.46	102.95	106.78
31	TH	202	PEB	CHC-C4C-C3C	-3.46	124.43	130.34
31	U2	202	PEB	C1B-C2B-C3B	-3.46	102.53	106.51
31	EH	201	PEB	C3B-C4B-NB	3.46	115.09	110.05
31	V9	201	PEB	C3B-C4B-NB	3.46	115.09	110.05
31	D7	201	PEB	C2A-C1A-NA	3.46	111.26	108.27
31	h2	201	PEB	C3D-C4D-ND	3.46	114.06	107.26
31	C4	201	PEB	OA-C1A-C2A	-3.46	123.42	126.17
31	N9	202	PEB	OA-C1A-C2A	-3.46	123.42	126.17
31	U1	201	PEB	C1B-C2B-C3B	-3.46	102.53	106.51
31	H1	203	PEB	CBB-CAB-C3B	3.46	122.25	112.63
31	MF	203	PEB	CMB-C2B-C1B	3.46	130.40	125.06
31	yF	301	PEB	CMB-C2B-C1B	3.46	130.40	125.06
31	M9	301	PEB	CHA-C1B-C2B	3.46	133.81	124.90
31	VG	201	PEB	CHC-C1D-ND	-3.46	109.93	113.95
31	XG	201	PEB	CHC-C1D-ND	-3.46	109.93	113.95
31	F9	201	PEB	OD-C4D-ND	-3.46	120.80	125.93
33	KC	201	CYC	C4A-C3A-C2A	-3.46	102.53	106.51
31	QE	202	PEB	CHC-C4C-C3C	-3.46	124.43	130.34
31	mF	201	PEB	CHC-C4C-C3C	-3.46	124.43	130.34
31	F9	202	PEB	C2A-C1A-NA	3.46	111.26	108.27
31	gD	201	PEB	CHC-C4C-C3C	-3.46	124.43	130.34
31	iF	203	PEB	OD-C4D-ND	-3.46	120.80	125.93
31	S2	202	PEB	C3B-C4B-NB	3.46	115.08	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	cE	201	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	YC	202	PEB	C1B-C2B-C3B	-3.46	102.53	106.51
31	OK	201	PEB	CHA-C4A-NA	3.46	129.32	125.20
31	HG	201	PEB	C2A-C1A-NA	3.46	111.26	108.27
31	OG	202	PEB	C2A-C1A-NA	3.46	111.26	108.27
31	W1	202	PEB	C2A-C1A-NA	3.46	111.26	108.27
31	E4	203	PEB	C2A-C1A-NA	3.46	111.26	108.27
31	W8	203	PEB	C2A-C1A-NA	3.46	111.26	108.27
32	QH	202	PUB	CBA-CAA-C3A	3.46	118.23	112.98
31	NJ	204	PEB	CHA-C1B-NB	-3.46	117.69	124.93
31	QK	202	PEB	C1B-C2B-C3B	-3.46	102.53	106.51
31	F7	201	PEB	C4B-C3B-C2B	-3.46	102.95	106.78
31	s8	201	PEB	C4B-C3B-C2B	-3.46	102.95	106.78
31	e6	202	PEB	OD-C4D-ND	-3.46	120.80	125.93
31	I5	201	PEB	CBC-CAC-C2C	-3.46	106.72	112.62
31	N1	203	PEB	CAC-CBC-CGC	-3.46	104.06	113.76
31	S1	201	PEB	C1B-C2B-C3B	-3.46	102.53	106.51
31	S8	202	PEB	OD-C4D-ND	-3.46	120.80	125.93
31	LI	202	PEB	C4B-C3B-C2B	-3.46	102.95	106.78
31	GK	201	PEB	C4B-C3B-C2B	-3.46	102.95	106.78
31	YK	303	PEB	C4B-C3B-C2B	-3.46	102.95	106.78
31	d4	203	PEB	OA-C1A-C2A	-3.46	123.42	126.17
33	IB	1001	CYC	CMA-C3A-C4A	3.46	130.39	125.06
31	V1	203	PEB	CHC-C4C-C3C	-3.46	124.44	130.34
33	D2	1001	CYC	CHB-C1B-NB	-3.46	118.63	126.06
31	ZE	203	PEB	OD-C4D-ND	-3.46	120.81	125.93
31	E1	201	PEB	C1B-C2B-C3B	-3.46	102.54	106.51
31	UI	203	PEB	CHC-C4C-C3C	-3.46	124.44	130.34
33	I6	1001	CYC	CMA-C3A-C4A	3.46	130.39	125.06
31	E5	202	PEB	C4B-C3B-C2B	-3.46	102.95	106.78
31	D8	203	PEB	C2A-C1A-NA	3.46	111.25	108.27
31	Z9	302	PEB	OD-C4D-ND	-3.46	120.81	125.93
31	RG	203	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	Y8	201	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	aE	201	PEB	CMB-C2B-C1B	3.46	130.39	125.06
32	AC	303	PUB	C1C-C2C-C3C	-3.46	102.95	106.78
31	F4	201	PEB	CAB-C3B-C4B	3.46	131.13	125.01
31	N6	1002	PEB	CHB-C4B-NB	-3.46	124.03	128.83
31	R6	202	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	VB	202	PEB	OD-C4D-C3D	-3.46	121.62	129.46
31	z8	501	PEB	CHB-C4B-C3B	-3.46	117.33	125.32
31	Y1	303	PEB	C4B-C3B-C2B	-3.46	102.96	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	v8	201	PEB	C4B-C3B-C2B	-3.46	102.96	106.78
31	PH	201	PEB	CHA-C1B-NB	-3.46	117.70	124.93
31	TE	201	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	C8	202	PEB	CHB-C4B-C3B	-3.46	117.33	125.32
31	HK	201	PEB	CHA-C1B-NB	-3.46	117.70	124.93
31	IJ	201	PEB	CBC-CAC-C2C	-3.46	106.72	112.62
31	aD	201	PEB	CHB-C4B-NB	-3.46	124.03	128.83
31	aE	201	PEB	CHB-C4B-NB	-3.46	124.03	128.83
31	K7	201	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	eE	201	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	cH	201	PEB	C3B-C4B-NB	3.46	115.08	110.05
31	OG	202	PEB	C4B-C3B-C2B	-3.46	102.96	106.78
31	Z2	203	PEB	C4B-C3B-C2B	-3.46	102.96	106.78
31	K5	201	PEB	C4B-C3B-C2B	-3.46	102.96	106.78
31	E8	202	PEB	CHC-C4C-C3C	-3.46	124.44	130.34
31	S6	202	PEB	OA-C1A-C2A	-3.46	123.42	126.17
31	N5	204	PEB	CHA-C1B-NB	-3.46	117.70	124.93
31	IK	201	PEB	C1B-C2B-C3B	-3.46	102.54	106.51
31	RJ	203	PEB	C3D-C4D-ND	3.46	114.04	107.26
31	x8	302	PEB	C3D-C4D-ND	3.46	114.04	107.26
31	TB	203	PEB	C4B-C3B-C2B	-3.46	102.96	106.78
31	DI	203	PEB	C4B-C3B-C2B	-3.46	102.96	106.78
31	j2	203	PEB	OD-C4D-ND	-3.46	120.81	125.93
31	XK	201	PEB	CHC-C4C-C3C	-3.46	124.44	130.34
31	EH	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	d6	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	d2	201	PEB	C3B-C4B-NB	3.45	115.07	110.05
31	Y4	201	PEB	C3B-C4B-NB	3.45	115.07	110.05
31	HK	203	PEB	CBB-CAB-C3B	3.45	122.22	112.63
31	G4	201	PEB	OD-C4D-ND	-3.45	120.81	125.93
31	c2	201	PEB	C1B-C2B-C3B	-3.45	102.54	106.51
31	E9	201	PEB	C1B-C2B-C3B	-3.45	102.54	106.51
31	VE	201	PEB	C3B-C4B-NB	3.45	115.07	110.05
31	V6	201	PEB	C3B-C4B-NB	3.45	115.07	110.05
31	O9	203	PEB	C4B-C3B-C2B	-3.45	102.96	106.78
31	D8	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	I9	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	RE	201	PEB	CHA-C1B-NB	-3.45	117.71	124.93
31	R5	202	PEB	CHC-C1D-ND	-3.45	109.94	113.95
31	dD	202	PEB	CMB-C2B-C1B	3.45	130.38	125.06
31	iD	202	PEB	C2A-C1A-NA	3.45	111.25	108.27
31	UK	201	PEB	C1B-C2B-C3B	-3.45	102.54	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	D7	201	PEB	C3B-C4B-NB	3.45	115.07	110.05
31	NG	203	PEB	C3D-C4D-ND	3.45	114.03	107.26
31	UD	201	PEB	C4B-C3B-C2B	-3.45	102.96	106.78
33	T3	1001	CYC	C1A-C2A-C3A	-3.45	102.96	106.78
31	cD	201	PEB	CMB-C2B-C1B	3.45	130.38	125.06
31	VJ	202	PEB	C3D-C4D-ND	3.45	114.03	107.26
31	J9	202	PEB	CHC-C1D-ND	-3.45	109.94	113.95
31	P6	201	PEB	C3B-C4B-NB	3.45	115.07	110.05
31	E1	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	M9	303	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	TJ	203	PEB	C2A-C1A-NA	3.45	111.25	108.27
31	O4	202	PEB	C2A-C1A-NA	3.45	111.25	108.27
31	dA	202	PEB	CMB-C2B-C1B	3.45	130.38	125.06
31	H9	202	PEB	OD-C4D-ND	-3.45	120.82	125.93
31	WC	203	PEB	CHA-C1B-NB	-3.45	117.71	124.93
31	RG	201	PEB	CHC-C1D-ND	-3.45	109.94	113.95
31	RF	201	PEB	OD-C4D-ND	-3.45	120.82	125.93
31	TH	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	I7	203	PEB	C2A-C1A-NA	3.45	111.25	108.27
31	P9	201	PEB	C1B-C2B-C3B	-3.45	102.55	106.51
31	BF	201	PEB	CHA-C1B-NB	-3.45	117.72	124.93
31	gH	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
33	BE	1002	CYC	C2B-C1B-NB	3.45	112.04	106.99
31	x8	303	PEB	C1B-C2B-C3B	-3.45	102.55	106.51
31	B8	201	PEB	CHA-C1B-NB	-3.45	117.72	124.93
31	DA	201	PEB	CMB-C2B-C1B	3.45	130.38	125.06
31	GF	203	PEB	CHB-C4B-NB	-3.45	124.04	128.83
31	H1	203	PEB	CHC-C4C-C3C	-3.45	124.45	130.34
31	O2	202	PEB	CHC-C4C-C3C	-3.45	124.45	130.34
31	sF	201	PEB	C4B-C3B-C2B	-3.45	102.97	106.78
31	g2	202	PEB	OA-C1A-NA	3.45	129.12	124.94
31	ZC	201	PEB	C3D-C4D-ND	3.45	114.03	107.26
33	NB	1001	CYC	C1B-C2B-C3B	-3.45	104.27	107.87
31	CF	203	PEB	C1B-C2B-C3B	-3.45	102.55	106.51
31	ZB	201	PEB	OD-C4D-ND	-3.45	120.82	125.93
31	R7	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	IG	201	PEB	CHC-C1D-ND	-3.45	109.94	113.95
31	QJ	202	PEB	CHC-C1D-ND	-3.45	109.94	113.95
31	mE	201	PEB	CHC-C4C-C3C	-3.45	124.46	130.34
31	SD	202	PEB	OD-C4D-ND	-3.45	120.82	125.93
31	M7	203	PEB	C3B-C4B-NB	3.45	115.06	110.05
31	HH	202	PEB	CMB-C2B-C1B	3.45	130.37	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N5	202	PEB	C4B-C3B-C2B	-3.45	102.97	106.78
31	c8	201	PEB	C4B-C3B-C2B	-3.45	102.97	106.78
31	EI	201	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	f6	202	PEB	OA-C1A-C2A	-3.45	123.43	126.17
31	FH	201	PEB	C1C-CHB-C4B	-3.45	124.69	128.81
33	FE	1001	CYC	CMB-C2B-C1B	3.45	128.47	124.17
31	r8	201	PEB	C4B-C3B-C2B	-3.45	102.97	106.78
31	D5	203	PEB	C2A-C1A-NA	3.45	111.24	108.27
31	F5	202	PEB	C2A-C1A-NA	3.45	111.24	108.27
31	H1	201	PEB	CHA-C1B-NB	-3.45	117.72	124.93
31	W2	203	PEB	CHA-C1B-NB	-3.45	117.72	124.93
31	N4	202	PEB	CAB-C3B-C4B	3.45	131.10	125.01
31	RJ	202	PEB	CHC-C1D-ND	-3.45	109.95	113.95
33	NB	1001	CYC	CMB-C2B-C1B	3.45	128.47	124.17
31	SC	202	PEB	C1B-C2B-C3B	-3.45	102.55	106.51
31	U1	202	PEB	OD-C4D-ND	-3.45	120.83	125.93
31	J4	201	PEB	C2A-C1A-NA	3.45	111.24	108.27
31	R1	203	PEB	CHB-C4B-C3B	-3.45	117.36	125.32
31	SF	202	PEB	CHB-C4B-NB	-3.45	124.05	128.83
31	EA	501	PEB	C3B-C4B-NB	3.44	115.06	110.05
31	cC	201	PEB	C1B-C2B-C3B	-3.44	102.55	106.51
31	V5	202	PEB	C3D-C4D-ND	3.44	114.02	107.26
31	UH	203	PEB	C2A-C1A-NA	3.44	111.24	108.27
31	m4	201	PEB	C4B-C3B-C2B	-3.44	102.97	106.78
31	OE	202	PEB	CBA-CAA-C3A	-3.44	105.80	113.47
31	S9	201	PEB	C3B-C4B-NB	3.44	115.06	110.05
31	X1	201	PEB	CHC-C4C-C3C	-3.44	124.46	130.34
31	JI	203	PEB	OD-C4D-ND	-3.44	120.83	125.93
33	EB	1001	CYC	C1B-C2B-C3B	-3.44	104.28	107.87
31	Q5	201	PEB	CMB-C2B-C1B	3.44	130.37	125.06
31	QC	203	PEB	CHA-C1B-NB	-3.44	117.73	124.93
31	K4	203	PEB	CHA-C1B-NB	-3.44	117.73	124.93
31	dC	202	PEB	CHA-C1B-NB	-3.44	117.73	124.93
31	V1	203	PEB	C2A-C1A-NA	3.44	111.24	108.27
33	FD	201	CYC	C2C-C1C-NC	3.44	111.24	108.27
31	RB	202	PEB	C3B-C4B-NB	3.44	115.06	110.05
31	Q2	201	PEB	C1B-C2B-C3B	-3.44	102.56	106.51
31	S8	203	PEB	OD-C4D-ND	-3.44	120.83	125.93
31	ZC	202	PEB	OA-C1A-C2A	-3.44	123.44	126.17
31	IJ	202	PEB	CHC-C4C-C3C	-3.44	124.47	130.34
31	A7	203	PEB	C3B-C4B-NB	3.44	115.06	110.05
31	IH	202	PEB	C4B-C3B-C2B	-3.44	102.97	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QF	202	PEB	C3D-C4D-ND	3.44	114.01	107.26
31	YJ	202	PEB	C3D-C4D-ND	3.44	114.01	107.26
31	D4	202	PEB	C4B-C3B-C2B	-3.44	102.97	106.78
31	FG	201	PEB	OA-C1A-C2A	-3.44	123.44	126.17
31	AJ	302	PEB	OA-C1A-C2A	-3.44	123.44	126.17
33	d3	1001	CYC	OC-C1C-C2C	-3.44	123.44	126.17
31	i6	203	PEB	CHC-C4C-C3C	-3.44	124.47	130.34
31	OD	202	PEB	CBA-CAA-C3A	-3.44	105.81	113.47
31	WF	202	PEB	OD-C4D-ND	-3.44	120.83	125.93
31	MJ	202	PEB	OD-C4D-ND	-3.44	120.83	125.93
31	YF	202	PEB	CHC-C4C-C3C	-3.44	124.47	130.34
31	M4	201	PEB	C4B-C3B-C2B	-3.44	102.97	106.78
31	T9	201	PEB	C1B-C2B-C3B	-3.44	102.56	106.51
31	rF	202	PEB	CHB-C4B-C3B	-3.44	117.37	125.32
31	S7	202	PEB	OD-C4D-ND	-3.44	120.83	125.93
31	D9	201	PEB	OA-C1A-C2A	-3.44	123.44	126.17
31	E9	202	PEB	OA-C1A-C2A	-3.44	123.44	126.17
33	j3	1001	CYC	OC-C1C-C2C	-3.44	123.44	126.17
31	AK	202	PEB	C3D-C4D-ND	3.44	114.01	107.26
33	DB	1001	CYC	CHB-C4A-NA	-3.44	117.74	124.93
31	LI	202	PEB	CAB-C3B-C4B	3.44	131.09	125.01
31	R6	202	PEB	CAB-C3B-C4B	3.44	131.09	125.01
31	VF	201	PEB	C2A-C1A-NA	3.44	111.24	108.27
31	RG	203	PEB	C4B-C3B-C2B	-3.44	102.98	106.78
31	V1	203	PEB	C3D-C4D-ND	3.44	114.01	107.26
31	N8	201	PEB	CHC-C4C-C3C	-3.44	124.47	130.34
31	VF	202	PEB	OD-C4D-ND	-3.44	120.83	125.93
31	UA	301	PEB	CMB-C2B-C1B	3.44	130.36	125.06
31	AG	201	PEB	CHC-C1D-ND	-3.44	109.95	113.95
31	OD	203	PEB	OA-C1A-C2A	-3.44	123.44	126.17
31	RA	202	PEB	OD-C4D-ND	-3.44	120.84	125.93
31	N1	201	PEB	OD-C4D-ND	-3.44	120.84	125.93
31	OH	202	PEB	C1B-C2B-C3B	-3.44	102.56	106.51
31	r8	202	PEB	CHB-C4B-C3B	-3.44	117.38	125.32
31	FG	202	PEB	C2A-C1A-NA	3.44	111.24	108.27
31	NK	202	PEB	C4B-C3B-C2B	-3.44	102.98	106.78
31	V5	202	PEB	C1B-C2B-C3B	-3.44	102.56	106.51
31	hA	301	PEB	CAB-CBB-CGB	3.44	121.00	113.60
31	IH	202	PEB	OA-C1A-C2A	-3.44	123.44	126.17
31	CH	201	PEB	OD-C4D-ND	-3.44	120.84	125.93
31	KF	201	PEB	CMB-C2B-C1B	3.44	130.36	125.06
31	T6	202	PEB	CMB-C2B-C1B	3.44	130.36	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y9	202	PEB	C2A-C1A-NA	3.44	111.24	108.27
31	IF	202	PEB	CHC-C1D-ND	-3.44	109.96	113.95
31	C7	203	PEB	CHC-C4C-C3C	-3.44	124.47	130.34
31	CA	202	PEB	CHA-C1B-NB	-3.44	117.74	124.93
31	aD	201	PEB	CMB-C2B-C1B	3.44	130.36	125.06
31	VC	202	PEB	C2A-C1A-NA	3.44	111.23	108.27
31	a4	203	PEB	C2A-C1A-NA	3.44	111.23	108.27
31	lE	203	PEB	C2A-C1A-NA	3.44	111.23	108.27
31	JI	203	PEB	CMB-C2B-C1B	3.44	130.35	125.06
31	O2	202	PEB	CHC-C1D-ND	-3.44	109.96	113.95
31	i8	202	PEB	OD-C4D-ND	-3.44	120.84	125.93
31	RG	203	PEB	CHA-C1B-C2B	3.43	133.73	124.90
31	WE	201	PEB	C1B-C2B-C3B	-3.43	102.56	106.51
31	AD	301	PEB	C2A-C1A-NA	3.43	111.23	108.27
31	OE	202	PEB	OA-C1A-C2A	-3.43	123.44	126.17
31	k4	202	PEB	OA-C1A-C2A	-3.43	123.44	126.17
31	A9	202	PEB	OA-C1A-C2A	-3.43	123.44	126.17
31	V9	202	PEB	OA-C1A-C2A	-3.43	123.44	126.17
33	k3	1001	CYC	OC-C1C-C2C	-3.43	123.44	126.17
31	PB	201	PEB	C3B-C4B-NB	3.43	115.05	110.05
31	LE	1002	PEB	C3B-C4B-NB	3.43	115.05	110.05
31	m2	201	PEB	C3B-C4B-NB	3.43	115.05	110.05
31	o8	201	PEB	C3B-C4B-NB	3.43	115.05	110.05
31	Z6	201	PEB	OD-C4D-ND	-3.43	120.84	125.93
31	mH	202	PEB	CAB-C3B-C4B	3.43	131.09	125.01
31	O7	201	PEB	C3D-C4D-ND	3.43	114.00	107.26
31	DB	1002	PEB	C1C-CHB-C4B	3.43	132.91	128.81
31	B8	201	PEB	C1C-CHB-C4B	3.43	132.91	128.81
31	bC	201	PEB	C4B-C3B-C2B	-3.43	102.98	106.78
31	YG	201	PEB	OD-C4D-ND	-3.43	120.84	125.93
31	Z2	201	PEB	C3D-C4D-ND	3.43	114.00	107.26
31	u8	201	PEB	OA-C1A-C2A	-3.43	123.44	126.17
33	S3	1001	CYC	OC-C1C-C2C	-3.43	123.44	126.17
31	Y8	202	PEB	CHC-C4C-C3C	-3.43	124.48	130.34
31	s8	202	PEB	CHA-C1B-NB	-3.43	117.75	124.93
31	Y5	202	PEB	C3D-C4D-ND	3.43	114.00	107.26
31	AJ	302	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	RJ	202	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
33	FB	1001	CYC	C4A-C3A-C2A	-3.43	102.57	106.51
31	Q2	203	PEB	CHA-C1B-NB	-3.43	117.75	124.93
31	N1	201	PEB	CHC-C4C-C3C	-3.43	124.48	130.34
31	X4	201	PEB	CMB-C2B-C1B	3.43	130.35	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QF	203	PEB	CMA-C2A-C1A	-3.43	105.00	112.40
31	a6	201	PEB	OD-C4D-ND	-3.43	120.84	125.93
31	C7	202	PEB	OD-C4D-ND	-3.43	120.84	125.93
31	GA	203	PEB	C4B-C3B-C2B	-3.43	102.98	106.78
31	Z2	201	PEB	C4B-C3B-C2B	-3.43	102.98	106.78
31	A2	302	PEB	CMB-C2B-C1B	3.43	130.35	125.06
31	DI	203	PEB	CHC-C1D-ND	-3.43	109.96	113.95
31	DF	203	PEB	C3B-C4B-NB	3.43	115.04	110.05
31	cF	201	PEB	C3B-C4B-NB	3.43	115.04	110.05
31	NK	201	PEB	CHC-C4C-C3C	-3.43	124.48	130.34
31	F5	202	PEB	CHC-C4C-C3C	-3.43	124.48	130.34
31	Z8	201	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	hE	201	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	N7	201	PEB	C2A-C1A-NA	3.43	111.23	108.27
31	EH	201	PEB	C4B-C3B-C2B	-3.43	102.98	106.78
31	H4	202	PEB	C3B-C4B-NB	3.43	115.04	110.05
31	OE	203	PEB	OA-C1A-C2A	-3.43	123.44	126.17
31	G7	203	PEB	OA-C1A-C2A	-3.43	123.44	126.17
33	N6	1001	CYC	OB-C4B-C3B	-3.43	124.32	128.04
31	M5	201	PEB	C1C-CHB-C4B	3.43	132.91	128.81
31	T2	202	PEB	C1C-CHB-C4B	-3.43	124.71	128.81
31	AH	301	PEB	C4B-C3B-C2B	-3.43	102.99	106.78
31	V2	201	PEB	C2A-C1A-NA	3.43	111.23	108.27
31	gB	201	PEB	CMB-C2B-C1B	3.43	130.35	125.06
31	TI	201	PEB	OA-C1A-C2A	-3.43	123.45	126.17
31	lB	202	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	XF	201	PEB	CHA-C1B-NB	-3.43	117.76	124.93
31	M7	203	PEB	C4B-C3B-C2B	-3.43	102.99	106.78
31	iB	203	PEB	CHC-C4C-C3C	-3.43	124.49	130.34
31	TB	202	PEB	CMB-C2B-C1B	3.43	130.34	125.06
31	NK	201	PEB	OD-C4D-ND	-3.43	120.85	125.93
31	O7	202	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	FH	202	PEB	CAB-C3B-C4B	3.43	131.07	125.01
31	Q8	202	PEB	C3D-C4D-ND	3.43	113.99	107.26
31	PJ	203	PEB	OA-C1A-C2A	-3.43	123.45	126.17
31	B5	202	PEB	OA-C1A-C2A	-3.43	123.45	126.17
33	K2	201	CYC	C4A-C3A-C2A	-3.43	102.57	106.51
31	A6	305	PEB	C2A-C1A-NA	3.43	111.23	108.27
31	e8	203	PEB	OD-C4D-ND	-3.43	120.85	125.93
31	g8	201	PEB	CHA-C1B-C2B	3.43	133.71	124.90
33	F6	1001	CYC	CHB-C1B-NB	-3.43	118.70	126.06
33	LE	1001	CYC	CAD-C3D-C2D	3.43	137.09	127.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	F9	201	PEB	CHB-C4B-NB	-3.43	124.07	128.83
31	A4	301	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	Q8	203	PEB	CMA-C2A-C1A	-3.43	105.02	112.40
31	KJ	201	PEB	C4B-C3B-C2B	-3.43	102.99	106.78
31	AK	201	PEB	C4B-C3B-C2B	-3.43	102.99	106.78
31	WA	402	PEB	OD-C4D-ND	-3.43	120.85	125.93
31	OG	201	PEB	OD-C4D-ND	-3.43	120.85	125.93
31	E8	202	PEB	C1C-CHB-C4B	3.43	132.90	128.81
31	B5	202	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	o8	203	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
31	gC	203	PEB	C1B-C2B-C3B	-3.43	102.57	106.51
33	NC	1001	CYC	CHB-C1B-NB	-3.43	118.70	126.06
33	N6	1001	CYC	C1B-C2B-C3B	-3.43	104.30	107.87
31	U9	201	PEB	C4B-C3B-C2B	-3.43	102.99	106.78
31	SI	201	PEB	CHB-C4B-C3B	-3.43	117.41	125.32
31	RK	203	PEB	CHB-C4B-C3B	-3.43	117.41	125.32
33	V3	1001	CYC	C1B-CHB-C4A	3.43	136.45	128.08
31	f4	202	PEB	C2A-C1A-NA	3.43	111.23	108.27
31	Q9	201	PEB	CAB-CBB-CGB	-3.43	106.23	113.60
31	I5	202	PEB	CHC-C4C-C3C	-3.43	124.50	130.34
31	F4	202	PEB	CAA-C3A-C4A	3.43	121.47	112.67
31	a2	201	PEB	OD-C4D-ND	-3.43	120.86	125.93
31	AA	501	PEB	C4B-C3B-C2B	-3.42	102.99	106.78
31	RF	201	PEB	C4B-C3B-C2B	-3.42	102.99	106.78
31	JI	202	PEB	C4B-C3B-C2B	-3.42	102.99	106.78
31	M1	202	PEB	C2A-C1A-NA	3.42	111.22	108.27
31	YI	202	PEB	C4B-C3B-C2B	-3.42	102.99	106.78
31	HH	201	PEB	CMB-C2B-C1B	3.42	130.34	125.06
31	bF	202	PEB	CMB-C2B-C1B	3.42	130.34	125.06
31	dH	202	PEB	CMB-C2B-C1B	3.42	130.34	125.06
31	i8	201	PEB	OA-C1A-C2A	-3.42	123.45	126.17
31	l6	201	PEB	CHC-C4C-C3C	-3.42	124.50	130.34
31	GJ	201	PEB	CAB-CBB-CGB	-3.42	106.24	113.60
31	GF	203	PEB	C4B-C3B-C2B	-3.42	102.99	106.78
31	K4	201	PEB	OD-C4D-ND	-3.42	120.86	125.93
31	q8	203	PEB	C3D-C4D-ND	3.42	113.97	107.26
31	U4	201	PEB	C1B-C2B-C3B	-3.42	102.58	106.51
31	aC	201	PEB	OD-C4D-ND	-3.42	120.86	125.93
31	b7	501	PEB	C1C-CHB-C4B	3.42	132.90	128.81
31	W4	203	PEB	C3B-C4B-NB	3.42	115.03	110.05
33	JC	1001	CYC	CHB-C4A-C3A	3.42	133.70	124.90
31	UG	201	PEB	C2A-C1A-NA	3.42	111.22	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fA	301	PEB	CAB-CBB-CGB	3.42	120.97	113.60
31	h2	201	PEB	C1B-C2B-C3B	-3.42	102.58	106.51
31	jH	201	PEB	C1B-C2B-C3B	-3.42	102.58	106.51
33	J2	1001	CYC	CHB-C4A-C3A	3.42	133.70	124.90
31	OJ	201	PEB	CHB-C4B-NB	-3.42	124.08	128.83
31	PK	203	PEB	C4B-C3B-C2B	-3.42	103.00	106.78
31	R4	202	PEB	C4B-C3B-C2B	-3.42	103.00	106.78
31	F7	202	PEB	C4B-C3B-C2B	-3.42	103.00	106.78
33	I6	1001	CYC	C1A-C2A-C3A	-3.42	103.00	106.78
31	fB	202	PEB	OA-C1A-C2A	-3.42	123.45	126.17
31	fF	202	PEB	OA-C1A-C2A	-3.42	123.45	126.17
31	WK	202	PEB	C2A-C1A-NA	3.42	111.22	108.27
31	R5	203	PEB	C2A-C1A-NA	3.42	111.22	108.27
33	DC	1001	CYC	CHB-C1B-NB	-3.42	118.71	126.06
31	v8	202	PEB	C3B-C4B-NB	3.42	115.03	110.05
33	CE	1001	CYC	CMB-C2B-C1B	3.42	128.44	124.17
31	i8	202	PEB	C4B-C3B-C2B	-3.42	103.00	106.78
31	Q9	202	PEB	CAB-C3B-C4B	3.42	131.06	125.01
31	Y9	202	PEB	C1B-C2B-C3B	-3.42	102.58	106.51
31	W9	203	PEB	C3B-C4B-NB	3.42	115.02	110.05
31	O5	201	PEB	CHB-C4B-NB	-3.42	124.08	128.83
31	V8	202	PEB	CBC-CAC-C2C	3.42	118.46	112.62
31	e8	201	PEB	OA-C1A-C2A	-3.42	123.45	126.17
31	H6	1002	PEB	C4B-C3B-C2B	-3.42	103.00	106.78
33	EE	1001	CYC	C2A-C1A-NA	3.42	115.02	110.05
31	DA	203	PEB	CBB-CAB-C3B	-3.42	103.13	112.63
31	IH	201	PEB	C3B-C4B-NB	3.42	115.02	110.05
31	IF	203	PEB	CMA-C2A-C1A	-3.42	105.03	112.40
31	U8	201	PEB	C2A-C1A-NA	-3.42	105.33	108.27
31	wF	301	PEB	C4B-C3B-C2B	-3.42	103.00	106.78
31	Y8	201	PEB	C1B-C2B-C3B	-3.42	102.58	106.51
31	DA	201	PEB	CHC-C4C-C3C	-3.42	124.51	130.34
31	R4	202	PEB	CHC-C4C-C3C	-3.42	124.51	130.34
31	X7	202	PEB	CHC-C1D-ND	-3.42	109.98	113.95
31	E8	202	PEB	C3B-C4B-NB	3.42	115.02	110.05
31	BA	202	PEB	C4B-C3B-C2B	-3.42	103.00	106.78
31	SA	201	PEB	C2A-C1A-NA	3.42	111.22	108.27
33	CE	1001	CYC	C2C-C1C-NC	3.42	111.22	108.27
31	VI	201	PEB	OA-C1A-C2A	-3.42	123.46	126.17
31	y8	301	PEB	CMB-C2B-C1B	3.42	130.33	125.06
31	CJ	202	PEB	C3D-C4D-ND	3.42	113.96	107.26
31	H5	203	PEB	C3D-C4D-ND	3.42	113.96	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BA	202	PEB	CHA-C1B-NB	-3.42	117.79	124.93
31	M9	301	PEB	C1B-C2B-C3B	-3.42	102.58	106.51
31	KH	203	PEB	OD-C4D-ND	-3.42	120.87	125.93
31	cA	401	PEB	C2A-C1A-NA	3.42	111.22	108.27
33	x3	1001	CYC	C1B-CHB-C4A	3.42	136.43	128.08
31	SD	201	PEB	C3B-C4B-NB	3.42	115.02	110.05
31	UB	202	PEB	OA-C1A-C2A	-3.42	123.46	126.17
31	K9	202	PEB	OA-C1A-C2A	-3.42	123.46	126.17
31	gD	201	PEB	OA-C1A-C2A	-3.42	123.46	126.17
33	DC	1001	CYC	C4A-C3A-C2A	-3.42	102.59	106.51
31	CH	203	PEB	CMB-C2B-C1B	3.42	130.32	125.06
31	hC	201	PEB	CAB-CBB-CGB	-3.42	106.25	113.60
31	TB	201	PEB	CHC-C1D-ND	-3.42	109.98	113.95
33	GD	201	CYC	C1B-C2B-C3B	-3.42	104.31	107.87
31	RH	202	PEB	CAB-C3B-C4B	3.42	131.05	125.01
31	P1	203	PEB	C4B-C3B-C2B	-3.41	103.00	106.78
31	F8	201	PEB	C4B-C3B-C2B	-3.41	103.00	106.78
31	LF	201	PEB	OD-C4D-ND	-3.41	120.87	125.93
31	SF	203	PEB	OD-C4D-ND	-3.41	120.87	125.93
31	OB	201	PEB	C1B-C2B-C3B	-3.41	102.59	106.51
31	YF	201	PEB	OA-C1A-C2A	-3.41	123.46	126.17
33	BD	1002	CYC	C2B-C1B-NB	3.41	111.99	106.99
31	SH	203	PEB	C2A-C1A-NA	3.41	111.22	108.27
31	a4	201	PEB	C2A-C1A-NA	3.41	111.22	108.27
31	gH	202	PEB	CMB-C2B-C1B	3.41	130.32	125.06
31	QI	201	PEB	CAB-C3B-C4B	3.41	131.05	125.01
31	hD	203	PEB	C3B-C4B-NB	3.41	115.01	110.05
31	A5	302	PEB	C1B-C2B-C3B	-3.41	102.59	106.51
31	VE	201	PEB	CHB-C4B-NB	-3.41	124.09	128.83
31	EF	202	PEB	C1B-C2B-C3B	-3.41	102.59	106.51
31	CF	201	PEB	OD-C4D-ND	-3.41	120.88	125.93
31	WH	201	PEB	OD-C4D-ND	-3.41	120.88	125.93
31	W2	201	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	EJ	201	PEB	C4B-C3B-C2B	-3.41	103.01	106.78
31	K7	201	PEB	C4B-C3B-C2B	-3.41	103.01	106.78
33	EE	1001	CYC	C1A-C2A-C3A	-3.41	103.01	106.78
31	FI	203	PEB	CHC-C1D-ND	-3.41	109.99	113.95
31	iF	202	PEB	CHC-C1D-ND	-3.41	109.99	113.95
31	UF	202	PEB	OD-C4D-ND	-3.41	120.88	125.93
31	J1	202	PEB	OD-C4D-ND	-3.41	120.88	125.93
31	gF	203	PEB	CHA-C1B-C2B	3.41	133.67	124.90
33	LC	1001	CYC	C1B-C2B-C3B	-3.41	104.31	107.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VJ	202	PEB	C1B-C2B-C3B	-3.41	102.59	106.51
31	g6	202	PEB	CHB-C4B-NB	-3.41	124.10	128.83
31	SC	202	PEB	C3B-C4B-NB	3.41	115.01	110.05
31	RB	202	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	jC	201	PEB	C4B-C3B-C2B	-3.41	103.01	106.78
31	S9	202	PEB	CHC-C1D-ND	-3.41	109.99	113.95
31	W2	202	PEB	CHC-C4C-C3C	-3.41	124.52	130.34
31	UF	202	PEB	CMB-C2B-C1B	3.41	130.31	125.06
31	dC	201	PEB	C3B-C4B-NB	3.41	115.01	110.05
31	I7	203	PEB	C3D-C4D-ND	3.41	113.95	107.26
31	S6	201	PEB	C1B-C2B-C3B	-3.41	102.59	106.51
31	SC	201	PEB	OA-C1A-C2A	-3.41	123.46	126.17
32	BH	302	PUB	CHA-C4A-NA	-3.41	109.99	113.95
31	OA	201	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	RA	202	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	hC	201	PEB	C3D-C4D-ND	3.41	113.95	107.26
31	g4	201	PEB	OD-C4D-ND	-3.41	120.88	125.93
31	ID	202	PEB	C1B-C2B-C3B	-3.41	102.59	106.51
32	AH	303	PUB	CHA-C1B-C2B	-3.41	124.52	130.34
31	C5	202	PEB	C3D-C4D-ND	3.41	113.95	107.26
31	gD	201	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	ID	203	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	UC	202	PEB	C4B-C3B-C2B	-3.41	103.01	106.78
31	NB	1002	PEB	CHB-C4B-NB	-3.41	124.10	128.83
31	i4	202	PEB	CBC-CAC-C2C	-3.41	106.81	112.62
31	YF	203	PEB	CHA-C4A-NA	3.41	129.26	125.20
31	TF	202	PEB	OD-C4D-C3D	-3.41	121.74	129.46
31	N7	201	PEB	C3B-C4B-NB	3.41	115.00	110.05
31	iH	202	PEB	OD-C4D-ND	-3.41	120.88	125.93
31	Q6	201	PEB	OD-C4D-ND	-3.41	120.88	125.93
31	R7	202	PEB	CMB-C2B-C1B	3.41	130.31	125.06
31	U8	202	PEB	C4B-C3B-C2B	-3.41	103.01	106.78
31	II	201	PEB	OA-C1A-C2A	-3.41	123.47	126.17
31	LF	202	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	K4	202	PEB	C2A-C1A-NA	3.41	111.21	108.27
31	Q7	203	PEB	C3D-C4D-ND	3.41	113.94	107.26
33	GD	201	CYC	C1B-NB-C4B	-3.41	106.33	110.67
33	N2	1001	CYC	CHB-C1B-NB	-3.41	118.75	126.06
31	OI	203	PEB	OD-C4D-ND	-3.41	120.89	125.93
31	SE	201	PEB	C1B-C2B-C3B	-3.41	102.60	106.51
31	dE	204	PEB	C1B-C2B-C3B	-3.41	102.60	106.51
31	RB	202	PEB	CAB-C3B-C4B	3.40	131.03	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	j2	201	PEB	C4B-C3B-C2B	-3.40	103.01	106.78
31	fE	201	PEB	CHB-C4B-NB	-3.40	124.10	128.83
31	HG	203	PEB	C3D-C4D-ND	3.40	113.94	107.26
33	IB	1001	CYC	C2C-C1C-NC	3.40	111.21	108.27
33	u3	1001	CYC	OC-C1C-C2C	-3.40	123.47	126.17
31	BK	201	PEB	C3B-C4B-NB	3.40	115.00	110.05
31	AG	203	PEB	CHA-C1B-C2B	3.40	133.65	124.90
31	e4	202	PEB	C4B-C3B-C2B	-3.40	103.02	106.78
33	FB	1001	CYC	CHB-C1B-NB	-3.40	118.75	126.06
31	AC	302	PEB	CMB-C2B-C1B	3.40	130.31	125.06
31	gC	202	PEB	OA-C1A-NA	3.40	129.06	124.94
31	bB	201	PEB	C1B-C2B-C3B	-3.40	102.60	106.51
31	h2	202	PEB	CAB-CBB-CGB	-3.40	106.28	113.60
31	KA	303	PEB	CMB-C2B-C1B	3.40	130.31	125.06
31	F9	201	PEB	OA-C1A-C2A	-3.40	123.47	126.17
31	UC	203	PEB	CHA-C1B-NB	-3.40	117.81	124.93
31	KA	304	PEB	C4B-C3B-C2B	-3.40	103.02	106.78
33	I2	201	CYC	C1A-C2A-C3A	-3.40	103.02	106.78
33	C2	1001	CYC	C1B-NB-C4B	-3.40	106.34	110.67
31	i2	201	PEB	C3D-C4D-ND	3.40	113.94	107.26
33	KC	201	CYC	C1B-CHB-C4A	-3.40	119.77	128.08
31	P8	202	PEB	OD-C4D-ND	-3.40	120.89	125.93
31	WG	202	PEB	CMB-C2B-C1B	3.40	130.30	125.06
31	k4	202	PEB	CMB-C2B-C1B	3.40	130.30	125.06
31	kD	201	PEB	CMB-C2B-C1B	3.40	130.30	125.06
31	C7	201	PEB	C1B-C2B-C3B	-3.40	102.60	106.51
31	fB	202	PEB	C1B-C2B-C3B	-3.40	102.60	106.51
31	QK	202	PEB	C3D-C4D-ND	3.40	113.94	107.26
33	GE	201	CYC	C1B-NB-C4B	-3.40	106.34	110.67
31	OC	202	PEB	CHC-C4C-C3C	-3.40	124.53	130.34
31	AC	301	PEB	C2A-C1A-NA	3.40	111.21	108.27
31	UC	202	PEB	C2A-C1A-NA	3.40	111.21	108.27
31	WC	201	PEB	C2A-C1A-NA	3.40	111.21	108.27
33	MB	1001	CYC	CHB-C4A-NA	-3.40	117.82	124.93
31	V5	201	PEB	C3B-C4B-NB	3.40	115.00	110.05
33	D3	1001	CYC	OC-C1C-C2C	-3.40	123.47	126.17
33	n3	1001	CYC	OC-C1C-C2C	-3.40	123.47	126.17
31	TC	201	PEB	OD-C4D-C3D	-3.40	121.75	129.46
31	HH	202	PEB	CAB-C3B-C4B	3.40	131.03	125.01
31	QI	201	PEB	O2B-CGB-CBB	3.40	124.96	114.03
31	YK	303	PEB	CMD-C2D-C3D	3.40	134.86	130.06
31	LD	1002	PEB	C3B-C4B-NB	3.40	115.00	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	S8	201	PEB	C3B-C4B-NB	3.40	115.00	110.05
31	T7	201	PEB	OD-C4D-ND	-3.40	120.89	125.93
31	jD	201	PEB	CMB-C2B-C1B	3.40	130.30	125.06
31	AE	301	PEB	C2A-C1A-NA	3.40	111.20	108.27
31	OF	203	PEB	C3D-C4D-ND	3.40	113.93	107.26
31	i8	202	PEB	C1B-C2B-C3B	-3.40	102.60	106.51
31	YA	201	PEB	CHC-C1D-ND	-3.40	110.00	113.95
31	mC	201	PEB	C3B-C4B-NB	3.40	115.00	110.05
31	EJ	202	PEB	OA-C1A-C2A	-3.40	123.47	126.17
33	U3	1001	CYC	OC-C1C-C2C	-3.40	123.47	126.17
31	aA	201	PEB	CMB-C2B-C1B	3.40	130.30	125.06
31	hB	201	PEB	CMA-C2A-C1A	-3.40	105.07	112.40
31	I5	202	PEB	C1C-CHB-C4B	3.40	132.87	128.81
31	V6	202	PEB	CHA-C1B-NB	-3.40	117.82	124.93
31	E7	201	PEB	CHA-C1B-NB	-3.40	117.82	124.93
31	dA	202	PEB	C3B-C4B-NB	3.40	115.00	110.05
31	GF	203	PEB	CMB-C2B-C1B	3.40	130.30	125.06
31	RJ	203	PEB	C2A-C1A-NA	3.40	111.20	108.27
31	PI	201	PEB	OA-C1A-C2A	-3.40	123.47	126.17
33	I3	1001	CYC	OC-C1C-C2C	-3.40	123.47	126.17
31	DK	203	PEB	C3B-C4B-NB	3.40	114.99	110.05
31	SE	202	PEB	OD-C4D-ND	-3.40	120.89	125.93
31	UC	202	PEB	C1B-C2B-C3B	-3.40	102.61	106.51
31	W8	201	PEB	CHC-C1D-ND	-3.40	110.00	113.95
31	gE	201	PEB	CHA-C1B-NB	-3.40	117.82	124.93
31	dE	202	PEB	CMB-C2B-C1B	3.40	130.30	125.06
33	M6	1001	CYC	C2A-C1A-NA	3.40	114.99	110.05
31	YF	201	PEB	C1B-C2B-C3B	-3.40	102.61	106.51
31	oF	203	PEB	C1B-C2B-C3B	-3.40	102.61	106.51
31	D9	202	PEB	CHC-C1D-ND	-3.40	110.00	113.95
31	D1	203	PEB	C3B-C4B-NB	3.40	114.99	110.05
31	DJ	203	PEB	C4B-C3B-C2B	-3.40	103.02	106.78
31	rF	201	PEB	C4B-C3B-C2B	-3.40	103.02	106.78
31	jC	201	PEB	C1B-C2B-C3B	-3.40	102.61	106.51
31	gH	201	PEB	CHC-C1D-ND	3.40	117.89	113.95
31	S5	202	PEB	C3B-C4B-NB	3.40	114.99	110.05
31	aH	202	PEB	C1C-CHB-C4B	-3.40	124.75	128.81
31	S9	203	PEB	C4B-C3B-C2B	-3.40	103.02	106.78
31	j4	203	PEB	C1B-C2B-C3B	-3.40	102.61	106.51
31	QE	201	PEB	OD-C4D-ND	-3.40	120.90	125.93
31	FB	1002	PEB	C3B-C4B-NB	3.40	114.99	110.05
31	S8	203	PEB	C3D-C4D-ND	3.40	113.92	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QH	203	PEB	OA-C1A-C2A	-3.40	123.47	126.17
31	f8	202	PEB	OA-C1A-C2A	-3.40	123.47	126.17
31	j4	202	PEB	C1B-C2B-C3B	-3.40	102.61	106.51
31	dH	202	PEB	C1B-C2B-C3B	-3.40	102.61	106.51
31	OC	202	PEB	CHC-C1D-ND	-3.40	110.00	113.95
31	I8	202	PEB	CHC-C1D-ND	-3.40	110.00	113.95
31	IA	202	PEB	C2A-C1A-NA	3.40	111.20	108.27
31	QI	203	PEB	C2A-C1A-NA	3.40	111.20	108.27
31	C8	201	PEB	OD-C4D-ND	-3.40	120.90	125.93
31	ZG	401	PEB	CBC-CAC-C2C	-3.40	106.83	112.62
31	O2	203	PEB	C1B-C2B-C3B	-3.39	102.61	106.51
31	S4	202	PEB	OA-C1A-C2A	-3.39	123.47	126.17
31	A1	202	PEB	C3D-C4D-ND	3.39	113.92	107.26
31	K4	201	PEB	CMB-C2B-C1B	3.39	130.29	125.06
33	LC	1003	CYC	C1B-C2B-C3B	-3.39	104.33	107.87
33	I2	201	CYC	C1B-C2B-C3B	-3.39	104.33	107.87
31	O8	203	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
31	dE	204	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
31	bF	201	PEB	OD-C4D-ND	-3.39	120.90	125.93
31	Q5	202	PEB	CHC-C1D-ND	-3.39	110.01	113.95
31	B1	201	PEB	C3B-C4B-NB	3.39	114.99	110.05
31	V2	202	PEB	CHB-C4B-NB	-3.39	124.12	128.83
31	WI	201	PEB	O2B-CGB-CBB	3.39	124.93	114.03
31	VF	202	PEB	CBC-CAC-C2C	3.39	118.41	112.62
31	SF	202	PEB	OD-C4D-ND	-3.39	120.90	125.93
31	gE	201	PEB	OA-C1A-C2A	-3.39	123.47	126.17
33	M3	1001	CYC	OC-C1C-C2C	-3.39	123.47	126.17
33	73	1001	CYC	OC-C1C-C2C	-3.39	123.47	126.17
31	IG	203	PEB	C3B-C4B-NB	3.39	114.98	110.05
31	A7	202	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
31	P7	201	PEB	CMB-C2B-C1B	3.39	130.29	125.06
31	c2	202	PEB	CHA-C1B-C2B	3.39	133.62	124.90
31	N7	201	PEB	OD-C4D-ND	-3.39	120.90	125.93
31	TK	201	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
31	hE	203	PEB	C3B-C4B-NB	3.39	114.98	110.05
31	E7	202	PEB	C2A-C1A-NA	3.39	111.20	108.27
31	G1	201	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
32	B4	302	PUB	CHA-C4A-NA	-3.39	110.01	113.95
31	OG	201	PEB	CAB-CBB-CGB	3.39	120.90	113.60
31	dC	201	PEB	C1B-C2B-C3B	-3.39	102.61	106.51
33	HC	1001	CYC	C4A-C3A-C2A	-3.39	102.61	106.51
31	R6	201	PEB	CHA-C1B-NB	-3.39	117.84	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	EF	201	PEB	C3B-C4B-NB	3.39	114.98	110.05
31	dD	203	PEB	OA-C1A-C2A	-3.39	123.48	126.17
33	o3	1001	CYC	OC-C1C-C2C	-3.39	123.48	126.17
31	YH	203	PEB	C2A-C1A-NA	3.39	111.20	108.27
31	VK	203	PEB	C2A-C1A-NA	3.39	111.20	108.27
31	B9	202	PEB	C2A-C1A-NA	3.39	111.20	108.27
31	QF	201	PEB	OD-C4D-ND	-3.39	120.91	125.93
31	BK	202	PEB	OD-C4D-ND	-3.39	120.91	125.93
31	T4	201	PEB	C3B-C4B-NB	3.39	114.98	110.05
31	b2	202	PEB	C1B-C2B-C3B	-3.39	102.61	106.51
31	RB	201	PEB	CHA-C1B-NB	-3.39	117.84	124.93
31	sF	202	PEB	CHA-C1B-NB	-3.39	117.84	124.93
31	i4	201	PEB	CMB-C2B-C1B	3.39	130.28	125.06
31	H9	201	PEB	CMB-C2B-C1B	3.39	130.28	125.06
31	w8	303	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
31	H5	203	PEB	C2A-C1A-NA	3.39	111.19	108.27
31	TC	202	PEB	C1C-CHB-C4B	-3.39	124.76	128.81
31	h6	201	PEB	OA-C1A-C2A	-3.39	123.48	126.17
31	XF	203	PEB	OD-C4D-ND	-3.39	120.91	125.93
31	F6	1002	PEB	C3B-C4B-NB	3.39	114.98	110.05
31	q8	202	PEB	CHC-C4C-C3C	-3.39	124.56	130.34
31	BA	202	PEB	CHC-C1D-ND	-3.39	110.01	113.95
31	FI	202	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
33	L6	1001	CYC	CMB-C2B-C1B	3.39	128.40	124.17
31	IA	201	PEB	OD-C4D-ND	-3.39	120.91	125.93
31	VD	201	PEB	C3B-C4B-NB	3.39	114.98	110.05
31	I8	203	PEB	CMA-C2A-C1A	-3.39	105.10	112.40
31	h6	201	PEB	CMA-C2A-C1A	-3.39	105.10	112.40
31	ZG	401	PEB	CAB-C3B-C4B	3.39	131.00	125.01
33	D6	1001	CYC	CHB-C4A-NA	-3.39	117.85	124.93
31	P7	202	PEB	OD-C4D-ND	-3.39	120.91	125.93
31	R8	201	PEB	OD-C4D-ND	-3.39	120.91	125.93
31	VH	201	PEB	C2A-C1A-NA	3.39	111.19	108.27
31	k2	201	PEB	C2A-C1A-NA	3.39	111.19	108.27
31	cD	201	PEB	C2A-C1A-NA	3.39	111.19	108.27
31	EA	501	PEB	OA-C1A-C2A	-3.39	123.48	126.17
31	Q2	202	PEB	OA-C1A-C2A	-3.39	123.48	126.17
33	D2	1001	CYC	C4A-C3A-C2A	-3.39	102.62	106.51
33	J6	1001	CYC	C4A-C3A-C2A	-3.39	102.62	106.51
33	LD	1001	CYC	CAD-C3D-C2D	3.39	136.98	127.25
31	D8	202	PEB	OD-C4D-ND	-3.39	120.91	125.93
31	BH	301	PEB	C2A-C1A-NA	3.39	111.19	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gD	202	PEB	C2A-C1A-NA	3.39	111.19	108.27
31	EJ	202	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
31	W9	201	PEB	C4B-C3B-C2B	-3.39	103.03	106.78
31	eH	201	PEB	OD-C4D-ND	-3.39	120.91	125.93
33	NB	1001	CYC	OB-C4B-C3B	-3.39	124.37	128.04
33	Q3	1001	CYC	OC-C1C-C2C	-3.39	123.48	126.17
31	AG	203	PEB	C3B-C4B-NB	3.39	114.97	110.05
31	T2	201	PEB	OD-C4D-C3D	-3.39	121.79	129.46
31	VD	201	PEB	CHB-C4B-NB	-3.39	124.13	128.83
31	OE	202	PEB	C1B-C2B-C3B	-3.39	102.62	106.51
31	hD	201	PEB	C1B-C2B-C3B	-3.39	102.62	106.51
31	RH	201	PEB	CMB-C2B-C1B	3.39	130.28	125.06
31	QE	203	PEB	CHC-C4C-C3C	-3.38	124.56	130.34
31	wF	303	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	R5	202	PEB	CHC-C4C-C3C	-3.38	124.56	130.34
31	W8	202	PEB	CHB-C4B-NB	-3.38	124.13	128.83
33	F6	1001	CYC	C2C-C1C-NC	3.38	111.19	108.27
31	RA	201	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	FH	202	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	GK	201	PEB	OD-C4D-C3D	-3.38	121.79	129.46
33	O3	1001	CYC	OC-C1C-C2C	-3.38	123.48	126.17
31	Y1	303	PEB	CHA-C1B-NB	-3.38	117.86	124.93
33	M6	1001	CYC	CHB-C4A-NA	-3.38	117.86	124.93
31	l8	202	PEB	CHB-C4B-NB	-3.38	124.13	128.83
31	N2	1002	PEB	CAB-C3B-C4B	3.38	130.99	125.01
31	F5	201	PEB	C1B-C2B-C3B	-3.38	102.62	106.51
31	A6	301	PEB	C1B-C2B-C3B	-3.38	102.62	106.51
32	xF	301	PUB	OD-C4D-ND	-3.38	120.92	125.93
31	TD	201	PEB	C3B-C4B-NB	3.38	114.97	110.05
31	gA	203	PEB	C3B-C4B-NB	3.38	114.97	110.05
31	IJ	202	PEB	C1C-CHB-C4B	3.38	132.85	128.81
33	w3	1001	CYC	OC-C1C-C2C	-3.38	123.48	126.17
31	G8	202	PEB	CAB-C3B-C4B	3.38	130.99	125.01
31	R8	202	PEB	CAB-C3B-C4B	3.38	130.99	125.01
31	E4	202	PEB	CHC-C4C-C3C	-3.38	124.57	130.34
31	mC	202	PEB	CHC-C4C-C3C	-3.38	124.57	130.34
31	B1	201	PEB	CHA-C1B-NB	-3.38	117.86	124.93
31	EF	202	PEB	C3B-C4B-NB	3.38	114.97	110.05
31	FB	1002	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	U2	202	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	J8	201	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	A2	301	PEB	C2A-C1A-NA	3.38	111.19	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PH	202	PEB	CMB-C2B-C1B	3.38	130.27	125.06
31	T4	202	PEB	CMB-C2B-C1B	3.38	130.27	125.06
31	AK	202	PEB	C1B-C2B-C3B	-3.38	102.63	106.51
31	PJ	203	PEB	CMB-C2B-C1B	3.38	130.27	125.06
31	BK	201	PEB	CHA-C1B-NB	-3.38	117.86	124.93
31	NJ	204	PEB	C2A-C1A-NA	3.38	111.19	108.27
31	e6	201	PEB	C2A-C1A-NA	3.38	111.19	108.27
31	jB	202	PEB	C2A-C1A-NA	3.38	111.19	108.27
31	i6	202	PEB	CHB-C4B-NB	-3.38	124.14	128.83
31	A5	304	PEB	C3D-C4D-ND	3.38	113.89	107.26
31	RJ	202	PEB	CHC-C4C-C3C	-3.38	124.57	130.34
31	gF	201	PEB	CHB-C4B-C3B	-3.38	117.51	125.32
31	WI	202	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	k6	201	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	kB	201	PEB	C4B-C3B-C2B	-3.38	103.04	106.78
31	UE	203	PEB	CHC-C4C-C3C	-3.38	124.57	130.34
31	CI	201	PEB	OA-C1A-C2A	-3.38	123.49	126.17
31	Y8	201	PEB	OA-C1A-C2A	-3.38	123.49	126.17
31	Y8	202	PEB	OA-C1A-C2A	-3.38	123.49	126.17
31	VB	202	PEB	CHA-C1B-NB	-3.38	117.86	124.93
31	C4	203	PEB	OD-C4D-ND	-3.38	120.92	125.93
31	U4	201	PEB	C2A-C1A-NA	3.38	111.19	108.27
31	lB	201	PEB	CHC-C4C-C3C	-3.38	124.57	130.34
31	OG	202	PEB	CMB-C2B-C1B	3.38	130.27	125.06
31	LI	202	PEB	OD-C4D-ND	-3.38	120.92	125.93
31	ZH	202	PEB	CAB-C3B-C4B	3.38	130.99	125.01
31	f2	203	PEB	C1B-C2B-C3B	-3.38	102.63	106.51
31	gE	201	PEB	C1B-C2B-C3B	-3.38	102.63	106.51
31	NI	201	PEB	OA-C1A-C2A	-3.38	123.49	126.17
31	H7	201	PEB	OA-C1A-C2A	-3.38	123.49	126.17
31	XA	202	PEB	C3B-C4B-NB	3.38	114.96	110.05
31	mE	201	PEB	C3B-C4B-NB	3.38	114.96	110.05
31	N6	1002	PEB	OD-C4D-ND	-3.38	120.93	125.93
31	oF	201	PEB	CHA-C4A-NA	-3.38	121.19	125.20
33	K2	201	CYC	C1B-CHB-C4A	-3.38	119.83	128.08
31	S9	201	PEB	C4B-C3B-C2B	-3.38	103.05	106.78
31	dD	202	PEB	C4B-C3B-C2B	-3.38	103.05	106.78
31	Q7	203	PEB	C2A-C1A-NA	3.38	111.18	108.27
31	Y8	201	PEB	C2A-C1A-NA	3.38	111.18	108.27
33	NC	1001	CYC	C2C-C1C-NC	3.38	111.18	108.27
31	WD	202	PEB	C3B-C4B-NB	3.38	114.96	110.05
31	l8	202	PEB	C3B-C4B-NB	3.38	114.96	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Z6	201	PEB	CHC-C1D-ND	-3.38	110.03	113.95
31	UH	201	PEB	C3B-C4B-NB	3.38	114.96	110.05
31	M9	301	PEB	C3B-C4B-NB	3.38	114.96	110.05
31	mD	201	PEB	C3B-C4B-NB	3.38	114.96	110.05
33	CC	1001	CYC	C1B-C2B-C3B	-3.38	104.35	107.87
31	QB	201	PEB	CHA-C1B-NB	-3.38	117.87	124.93
31	WK	202	PEB	CHA-C1B-NB	-3.38	117.87	124.93
31	OB	202	PEB	CHB-C4B-NB	-3.38	124.14	128.83
31	HF	202	PEB	OA-C1A-C2A	-3.38	123.49	126.17
31	fC	203	PEB	C1B-C2B-C3B	-3.38	102.63	106.51
33	FE	1001	CYC	C4A-C3A-C2A	-3.38	102.63	106.51
31	W9	202	PEB	C2A-C1A-NA	3.38	111.18	108.27
31	NC	1002	PEB	CAB-C3B-C4B	3.38	130.98	125.01
31	d5	401	PEB	CMB-C2B-C1B	3.38	130.26	125.06
31	bD	202	PEB	C3B-C4B-NB	3.38	114.96	110.05
31	wF	301	PEB	C3B-C4B-NB	3.38	114.96	110.05
31	CH	201	PEB	C4B-C3B-C2B	-3.38	103.05	106.78
31	C4	203	PEB	C4B-C3B-C2B	-3.38	103.05	106.78
31	PF	202	PEB	OD-C4D-ND	-3.38	120.93	125.93
31	dH	202	PEB	OD-C4D-ND	-3.38	120.93	125.93
33	N6	1001	CYC	CMB-C2B-C1B	3.38	128.38	124.17
31	c6	201	PEB	CMB-C2B-C1B	3.37	130.26	125.06
31	VK	202	PEB	CHA-C1B-NB	-3.37	117.87	124.93
31	M5	202	PEB	OD-C4D-ND	-3.37	120.93	125.93
31	XI	201	PEB	OA-C1A-C2A	-3.37	123.49	126.17
31	g4	201	PEB	OA-C1A-C2A	-3.37	123.49	126.17
33	F3	1001	CYC	OC-C1C-C2C	-3.37	123.49	126.17
31	PB	201	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	g8	201	PEB	CHB-C4B-C3B	-3.37	117.53	125.32
31	BJ	202	PEB	C1B-C2B-C3B	-3.37	102.63	106.51
31	B1	202	PEB	C1B-C2B-C3B	-3.37	102.63	106.51
31	a4	204	PEB	OD-C4D-ND	-3.37	120.93	125.93
31	VC	202	PEB	CHB-C4B-NB	-3.37	124.15	128.83
31	AD	301	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	P4	201	PEB	CAB-C3B-C4B	3.37	130.98	125.01
31	QA	201	PEB	C3B-C4B-NB	3.37	114.96	110.05
31	SJ	202	PEB	C3B-C4B-NB	3.37	114.96	110.05
31	QA	202	PEB	C2A-C1A-NA	3.37	111.18	108.27
31	kD	202	PEB	C2A-C1A-NA	3.37	111.18	108.27
31	L5	202	PEB	OD-C4D-ND	-3.37	120.93	125.93
31	b8	202	PEB	OD-C4D-ND	-3.37	120.93	125.93
31	iC	201	PEB	C3D-C4D-ND	3.37	113.88	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MI	301	PEB	CAB-C3B-C4B	3.37	130.98	125.01
31	r8	202	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	YE	202	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
33	DC	1003	CYC	C1A-C2A-C3A	-3.37	103.05	106.78
31	QB	201	PEB	OD-C4D-ND	-3.37	120.93	125.93
31	XA	201	PEB	CMB-C2B-C1B	3.37	130.26	125.06
31	F1	201	PEB	CMB-C2B-C1B	3.37	130.26	125.06
31	HE	1002	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	YF	201	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	SB	201	PEB	OD-C4D-C3D	-3.37	121.82	129.46
31	fB	202	PEB	CHC-C1D-ND	-3.37	110.03	113.95
31	AJ	301	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	fE	202	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	RA	202	PEB	CMB-C2B-C1B	3.37	130.26	125.06
31	Y9	201	PEB	CMB-C2B-C1B	3.37	130.26	125.06
31	eH	201	PEB	CAB-C3B-C4B	3.37	130.97	125.01
31	iF	202	PEB	OD-C4D-ND	-3.37	120.94	125.93
31	KK	202	PEB	C3D-C4D-ND	3.37	113.87	107.26
31	dE	201	PEB	CMB-C2B-C1B	3.37	130.25	125.06
31	iB	202	PEB	CHB-C4B-NB	-3.37	124.15	128.83
31	G8	203	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	BJ	202	PEB	OA-C1A-C2A	-3.37	123.49	126.17
31	EK	202	PEB	OA-C1A-C2A	-3.37	123.49	126.17
31	IH	202	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	E8	201	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	YF	203	PEB	C3D-C4D-ND	3.37	113.87	107.26
31	OB	201	PEB	C4B-NB-C1B	-3.37	100.16	106.51
31	G5	201	PEB	CAB-CBB-CGB	-3.37	106.35	113.60
31	FK	201	PEB	CMB-C2B-C1B	3.37	130.25	125.06
31	JE	201	PEB	C2A-C1A-NA	3.37	111.18	108.27
31	TK	201	PEB	C2A-C1A-NA	3.37	111.18	108.27
33	KE	202	CYC	C2C-C1C-NC	3.37	111.18	108.27
31	A2	305	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	P6	203	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	X7	201	PEB	OD-C4D-ND	-3.37	120.94	125.93
33	V3	1001	CYC	CMB-C2B-C1B	3.37	128.37	124.17
33	H3	1001	CYC	OC-C1C-C2C	-3.37	123.49	126.17
33	J6	1001	CYC	OB-C4B-C3B	-3.37	124.38	128.04
31	w8	301	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	QD	203	PEB	OD-C4D-ND	-3.37	120.94	125.93
31	U8	202	PEB	CHC-C1D-ND	-3.37	110.03	113.95
31	UK	202	PEB	C3D-C4D-ND	3.37	113.87	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W7	201	PEB	CMB-C2B-C1B	3.37	130.25	125.06
31	g4	201	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	R5	203	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	B9	203	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	iC	201	PEB	C4B-C3B-C2B	-3.37	103.05	106.78
31	VK	203	PEB	CAB-C3B-C4B	3.37	130.97	125.01
31	W1	202	PEB	CHA-C1B-NB	-3.37	117.89	124.93
31	Q2	202	PEB	CHA-C1B-C2B	3.37	133.56	124.90
31	SD	201	PEB	C1B-C2B-C3B	-3.37	102.64	106.51
31	LJ	203	PEB	C1B-C2B-C3B	-3.37	102.64	106.51
31	S6	202	PEB	OD-C4D-C3D	-3.37	121.83	129.46
31	O6	202	PEB	CHB-C4B-NB	-3.37	124.15	128.83
31	LJ	203	PEB	C2A-C1A-NA	3.37	111.18	108.27
31	W9	201	PEB	C2A-C1A-NA	3.37	111.18	108.27
33	FD	202	CYC	CHB-C4A-NA	-3.37	117.89	124.93
31	m4	201	PEB	CHC-C4C-C3C	-3.37	124.59	130.34
31	P8	201	PEB	CHC-C1D-ND	-3.37	110.04	113.95
31	H1	203	PEB	OA-C1A-C2A	-3.37	123.50	126.17
31	Z2	202	PEB	OA-C1A-C2A	-3.37	123.50	126.17
33	f3	1001	CYC	OC-C1C-C2C	-3.37	123.50	126.17
31	OJ	202	PEB	C4B-C3B-C2B	-3.37	103.06	106.78
31	HI	201	PEB	CHC-C4C-C3C	-3.37	124.59	130.34
32	BH	302	PUB	OA-C1A-NA	-3.37	120.94	125.93
31	X7	201	PEB	C2A-C1A-NA	3.37	111.18	108.27
31	gE	202	PEB	C2A-C1A-NA	3.37	111.18	108.27
31	gF	201	PEB	CHA-C1B-C2B	3.37	133.56	124.90
31	U8	201	PEB	CAC-CBC-CGC	3.37	123.20	113.76
31	O5	202	PEB	C4B-C3B-C2B	-3.37	103.06	106.78
33	LB	1001	CYC	CMB-C2B-C1B	3.37	128.37	124.17
31	QA	204	PEB	OD-C4D-ND	-3.37	120.94	125.93
31	LG	201	PEB	OD-C4D-ND	-3.37	120.94	125.93
31	DH	202	PEB	CHA-C1B-NB	-3.37	117.89	124.93
31	cC	202	PEB	CHA-C1B-C2B	3.37	133.56	124.90
31	UF	202	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	rF	202	PEB	C3B-C4B-NB	3.37	114.95	110.05
31	A5	301	PEB	CHA-C1B-NB	-3.37	117.89	124.93
31	GH	202	PEB	CHC-C1D-ND	-3.37	110.04	113.95
31	b6	202	PEB	C2A-C1A-NA	3.37	111.17	108.27
31	IA	202	PEB	CBC-CAC-C2C	-3.37	106.88	112.62
31	c8	201	PEB	C3B-C4B-NB	3.37	114.94	110.05
31	d2	202	PEB	C1C-CHB-C4B	3.37	132.83	128.81
31	jH	203	PEB	C1B-C2B-C3B	-3.37	102.64	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	G1	201	PEB	OD-C4D-C3D	-3.37	121.83	129.46
33	E6	1001	CYC	CHB-C4A-NA	-3.36	117.89	124.93
31	e6	202	PEB	OA-C1A-C2A	-3.36	123.50	126.17
31	M8	203	PEB	OA-C1A-C2A	-3.36	123.50	126.17
31	SA	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	ZC	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	l8	203	PEB	C1B-C2B-C3B	-3.36	102.64	106.51
31	HA	201	PEB	C2A-C1A-NA	3.36	111.17	108.27
31	FJ	202	PEB	C2A-C1A-NA	3.36	111.17	108.27
31	S9	202	PEB	CAB-C3B-C4B	3.36	130.96	125.01
31	wF	301	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	cA	402	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	U1	202	PEB	C3D-C4D-ND	3.36	113.86	107.26
31	W4	202	PEB	OA-C1A-C2A	-3.36	123.50	126.17
33	N6	1001	CYC	CMA-C3A-C4A	3.36	130.24	125.06
31	F4	201	PEB	C3B-C4B-NB	3.36	114.94	110.05
33	x3	1001	CYC	CHB-C4A-C3A	3.36	133.55	124.90
31	aB	203	PEB	CHC-C1D-ND	-3.36	110.04	113.95
32	x8	301	PUB	OD-C4D-ND	-3.36	120.95	125.93
31	P6	203	PEB	CAB-C3B-C4B	3.36	130.96	125.01
31	E4	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	L7	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	R8	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	mD	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	eE	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	JK	202	PEB	OD-C4D-ND	-3.36	120.95	125.93
31	GI	201	PEB	OA-C1A-C2A	-3.36	123.50	126.17
31	Q1	202	PEB	C3D-C4D-ND	3.36	113.86	107.26
31	gD	201	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	JA	202	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	FG	202	PEB	OD-C4D-ND	-3.36	120.95	125.93
31	kH	202	PEB	CHC-C4C-C3C	-3.36	124.60	130.34
31	M4	201	PEB	CMB-C2B-C1B	3.36	130.24	125.06
31	Q7	202	PEB	C3B-C4B-NB	3.36	114.94	110.05
31	RF	202	PEB	CAB-C3B-C4B	3.36	130.96	125.01
31	H5	203	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	K8	201	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
33	EB	1001	CYC	CHB-C4A-NA	-3.36	117.90	124.93
31	RI	201	PEB	OA-C1A-C2A	-3.36	123.50	126.17
31	WJ	202	PEB	OA-C1A-C2A	-3.36	123.50	126.17
31	O1	202	PEB	OA-C1A-C2A	-3.36	123.50	126.17
31	E4	203	PEB	OA-C1A-C2A	-3.36	123.50	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	S9	202	PEB	OA-C1A-C2A	-3.36	123.50	126.17
31	DJ	203	PEB	C2A-C1A-NA	3.36	111.17	108.27
31	S7	201	PEB	CMB-C2B-C1B	3.36	130.24	125.06
33	DC	1001	CYC	CMA-C3A-C4A	3.36	130.24	125.06
31	VK	203	PEB	OD-C4D-ND	-3.36	120.95	125.93
31	eB	202	PEB	OD-C4D-ND	-3.36	120.95	125.93
31	a4	201	PEB	C1C-CHB-C4B	-3.36	124.80	128.81
31	CJ	202	PEB	CBC-CAC-C2C	3.36	118.35	112.62
31	CG	201	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	TJ	203	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	ZA	202	PEB	CMB-C2B-C1B	3.36	130.24	125.06
31	d6	201	PEB	CMB-C2B-C1B	3.36	130.24	125.06
31	f4	202	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	dA	202	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
33	IB	1001	CYC	C1A-C2A-C3A	-3.36	103.06	106.78
31	JK	202	PEB	CHA-C1B-NB	-3.36	117.91	124.93
31	YK	303	PEB	CHA-C1B-NB	-3.36	117.91	124.93
31	iB	202	PEB	C2A-C1A-NA	3.36	111.17	108.27
31	xF	302	PEB	C2A-C1A-NA	3.36	111.17	108.27
33	FE	1001	CYC	C2C-C1C-NC	3.36	111.17	108.27
31	gD	201	PEB	CHA-C1B-NB	-3.36	117.91	124.93
31	O6	201	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
33	J2	1001	CYC	C4A-C3A-C2A	-3.36	102.65	106.51
31	UD	203	PEB	CHC-C4C-C3C	-3.36	124.61	130.34
31	Q7	203	PEB	C4B-C3B-C2B	-3.36	103.06	106.78
31	D8	201	PEB	OD-C4D-ND	-3.36	120.95	125.93
31	GF	202	PEB	CAB-C3B-C4B	3.36	130.95	125.01
31	RB	202	PEB	CHA-C1B-NB	-3.36	117.91	124.93
31	SH	201	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	j2	203	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	dE	202	PEB	OD-C4D-ND	-3.36	120.95	125.93
31	UH	202	PEB	C3B-C4B-NB	3.36	114.93	110.05
31	c6	203	PEB	C3B-C4B-NB	3.36	114.93	110.05
33	ED	1001	CYC	C2A-C1A-NA	3.36	114.93	110.05
31	F6	1002	PEB	C4B-C3B-C2B	-3.36	103.07	106.78
31	i8	202	PEB	CHC-C1D-ND	-3.36	110.05	113.95
31	jC	203	PEB	OD-C4D-ND	-3.36	120.96	125.93
31	Z9	301	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	wF	303	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	NA	201	PEB	CHA-C1B-NB	-3.36	117.91	124.93
31	X1	202	PEB	OD-C4D-C3D	-3.36	121.85	129.46
31	bF	201	PEB	CHC-C4C-C3C	-3.36	124.61	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OC	203	PEB	C4B-C3B-C2B	-3.36	103.07	106.78
31	VE	201	PEB	C2A-C1A-NA	3.36	111.17	108.27
31	k6	202	PEB	CAB-C3B-C4B	3.36	130.95	125.01
31	ZB	201	PEB	CHC-C1D-ND	-3.36	110.05	113.95
31	SE	201	PEB	C3B-C4B-NB	3.36	114.93	110.05
31	cD	201	PEB	C3B-C4B-NB	3.36	114.93	110.05
31	o8	201	PEB	CHA-C4A-NA	-3.36	121.21	125.20
31	T5	203	PEB	C1B-C2B-C3B	-3.36	102.65	106.51
31	W7	201	PEB	C4B-C3B-C2B	-3.36	103.07	106.78
31	MH	201	PEB	OD-C4D-ND	-3.36	120.96	125.93
31	lF	202	PEB	C3B-C4B-NB	3.36	114.93	110.05
31	a6	203	PEB	CHC-C1D-ND	-3.36	110.05	113.95
33	CE	1001	CYC	CHB-C4A-NA	-3.36	117.91	124.93
31	TG	202	PEB	C1B-C2B-C3B	-3.36	102.66	106.51
31	Q7	201	PEB	OD-C4D-ND	-3.36	120.96	125.93
31	HA	202	PEB	C3B-C4B-NB	3.36	114.93	110.05
31	b8	201	PEB	CHC-C4C-C3C	-3.36	124.61	130.34
31	mE	201	PEB	C4B-C3B-C2B	-3.36	103.07	106.78
31	gH	202	PEB	C4B-C3B-C2B	-3.36	103.07	106.78
31	DF	201	PEB	OD-C4D-ND	-3.35	120.96	125.93
31	x8	302	PEB	C2A-C1A-NA	3.35	111.17	108.27
31	V4	201	PEB	CMB-C2B-C1B	3.35	130.23	125.06
31	T7	201	PEB	C4B-C3B-C2B	-3.35	103.07	106.78
31	QC	202	PEB	CHA-C1B-C2B	3.35	133.53	124.90
31	J1	202	PEB	CHA-C1B-NB	-3.35	117.92	124.93
31	QE	201	PEB	CAB-C3B-C4B	3.35	130.94	125.01
31	RF	202	PEB	C2A-C1A-NA	3.35	111.16	108.27
31	cE	201	PEB	C2A-C1A-NA	3.35	111.16	108.27
31	X8	201	PEB	CHA-C1B-NB	-3.35	117.92	124.93
31	eD	202	PEB	CHB-C4B-NB	-3.35	124.17	128.83
31	kD	202	PEB	CHB-C4B-NB	-3.35	124.17	128.83
31	fD	202	PEB	C4B-C3B-C2B	-3.35	103.07	106.78
31	aF	201	PEB	C4B-C3B-C2B	-3.35	103.07	106.78
33	L6	1001	CYC	C2A-C1A-NA	3.35	114.93	110.05
31	E4	201	PEB	C3B-C4B-NB	3.35	114.93	110.05
31	XH	201	PEB	C4B-C3B-C2B	-3.35	103.07	106.78
31	YH	201	PEB	C4B-C3B-C2B	-3.35	103.07	106.78
31	m6	201	PEB	C3B-C4B-NB	3.35	114.92	110.05
31	KI	201	PEB	OA-C1A-C2A	-3.35	123.51	126.17
31	SI	203	PEB	OA-C1A-C2A	-3.35	123.51	126.17
31	BJ	203	PEB	OA-C1A-C2A	-3.35	123.51	126.17
31	KJ	202	PEB	CHC-C1D-ND	-3.35	110.06	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	A1	201	PEB	C4B-C3B-C2B	-3.35	103.07	106.78
31	i2	201	PEB	C4B-C3B-C2B	-3.35	103.07	106.78
31	lF	202	PEB	CHB-C4B-NB	-3.35	124.18	128.83
31	YB	202	PEB	C2A-C1A-NA	3.35	111.16	108.27
31	F9	202	PEB	OD-C4D-ND	-3.35	120.97	125.93
31	Q7	202	PEB	CHB-C4B-NB	-3.35	124.18	128.83
31	Z9	303	PEB	OA-C1A-C2A	-3.35	123.51	126.17
31	EG	201	PEB	C1B-C2B-C3B	-3.35	102.66	106.51
33	F6	1001	CYC	C4A-C3A-C2A	-3.35	102.66	106.51
33	EE	1001	CYC	CHB-C4A-NA	-3.35	117.92	124.93
31	H7	201	PEB	CMB-C2B-C1B	3.35	130.22	125.06
31	J5	203	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	A6	305	PEB	C1B-C2B-C3B	-3.35	102.66	106.51
31	MA	202	PEB	OD-C4D-ND	-3.35	120.97	125.93
33	x3	1001	CYC	CMB-C2B-C1B	3.35	128.35	124.17
31	FF	202	PEB	OA-C1A-C2A	-3.35	123.51	126.17
31	lF	203	PEB	CHA-C1B-NB	-3.35	117.93	124.93
31	D7	201	PEB	CHB-C4B-NB	-3.35	124.18	128.83
31	BG	202	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	QH	203	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	mF	201	PEB	C2A-C1A-NA	3.35	111.16	108.27
31	MA	202	PEB	CMB-C2B-C1B	3.35	130.22	125.06
31	ZA	203	PEB	C1B-C2B-C3B	-3.35	102.66	106.51
31	GG	202	PEB	C1B-C2B-C3B	-3.35	102.66	106.51
31	d2	201	PEB	C1B-C2B-C3B	-3.35	102.66	106.51
31	Y6	202	PEB	C3B-C4B-NB	3.35	114.92	110.05
31	h2	202	PEB	C1C-CHB-C4B	3.35	132.81	128.81
31	HK	201	PEB	CHB-C4B-NB	-3.35	124.18	128.83
33	IE	1001	CYC	C1B-C2B-C3B	-3.35	104.38	107.87
31	YK	301	PEB	CMB-C2B-C1B	3.35	130.22	125.06
31	GA	201	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	UA	303	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	bA	201	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	Y1	303	PEB	CHC-C4C-C3C	3.35	136.04	130.34
31	AB	301	PEB	C1B-C2B-C3B	-3.35	102.66	106.51
31	C5	202	PEB	CBC-CAC-C2C	3.35	118.33	112.62
31	HJ	203	PEB	C3D-C4D-ND	3.35	113.83	107.26
31	F1	202	PEB	CHC-C1D-ND	-3.35	110.06	113.95
31	B1	202	PEB	OD-C4D-ND	-3.35	120.97	125.93
31	Z8	202	PEB	C3B-C4B-NB	3.35	114.92	110.05
31	D7	201	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	H7	202	PEB	C4B-C3B-C2B	-3.35	103.08	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	JB	1001	CYC	C4A-C3A-C2A	-3.35	102.67	106.51
31	a6	202	PEB	CMB-C2B-C1B	3.35	130.22	125.06
31	s8	201	PEB	C1C-CHB-C4B	3.35	132.81	128.81
31	RH	202	PEB	OA-C1A-C2A	-3.35	123.51	126.17
33	q3	1001	CYC	OC-C1C-C2C	-3.35	123.51	126.17
31	FJ	202	PEB	CHC-C4C-C3C	-3.35	124.63	130.34
31	e4	202	PEB	C2A-C1A-NA	3.35	111.16	108.27
33	CC	1001	CYC	C1B-NB-C4B	-3.35	106.41	110.67
31	OF	202	PEB	C3B-C4B-NB	3.35	114.92	110.05
31	Y2	201	PEB	CHA-C1B-NB	-3.35	117.93	124.93
31	HA	203	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	TA	202	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	P5	203	PEB	CMB-C2B-C1B	3.35	130.22	125.06
31	IF	201	PEB	OD-C4D-ND	-3.35	120.97	125.93
31	AG	201	PEB	C1B-C2B-C3B	-3.35	102.67	106.51
31	U2	203	PEB	C3D-C4D-ND	3.35	113.82	107.26
31	dD	202	PEB	OA-C1A-C2A	-3.35	123.51	126.17
31	uF	202	PEB	OA-C1A-C2A	-3.35	123.51	126.17
31	VD	201	PEB	C2A-C1A-NA	3.35	111.16	108.27
31	TE	201	PEB	C4B-C3B-C2B	-3.35	103.08	106.78
31	hF	201	PEB	CAB-CBB-CGB	-3.35	106.40	113.60
31	FK	202	PEB	CHC-C1D-ND	-3.34	110.06	113.95
31	R4	202	PEB	CHC-C1D-ND	-3.34	110.06	113.95
31	T8	202	PEB	OD-C4D-C3D	-3.34	121.88	129.46
31	GI	202	PEB	CHB-C4B-C3B	3.34	133.05	125.32
31	dD	202	PEB	OD-C4D-ND	-3.34	120.97	125.93
33	V3	1001	CYC	CHB-C4A-C3A	3.34	133.50	124.90
31	P7	201	PEB	C4B-C3B-C2B	-3.34	103.08	106.78
31	y8	301	PEB	C4B-C3B-C2B	-3.34	103.08	106.78
31	h8	201	PEB	CAB-CBB-CGB	-3.34	106.41	113.60
31	IG	201	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	Y7	502	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	w8	301	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	AC	305	PEB	C2A-C1A-NA	3.34	111.16	108.27
31	oF	203	PEB	C2A-C1A-NA	3.34	111.16	108.27
31	Y1	301	PEB	CMB-C2B-C1B	3.34	130.21	125.06
31	OD	201	PEB	OA-C1A-C2A	-3.34	123.51	126.17
31	VH	202	PEB	C4B-C3B-C2B	-3.34	103.08	106.78
31	g8	203	PEB	CHA-C1B-C2B	3.34	133.50	124.90
31	R6	202	PEB	CHA-C1B-NB	-3.34	117.94	124.93
31	sF	201	PEB	C1C-CHB-C4B	3.34	132.80	128.81
31	wF	302	PEB	C1B-C2B-C3B	-3.34	102.67	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	EI	202	PEB	C2A-C1A-NA	3.34	111.16	108.27
31	m6	202	PEB	C3B-C4B-NB	3.34	114.91	110.05
31	Q9	203	PEB	CHA-C1B-NB	-3.34	117.94	124.93
31	hH	201	PEB	OA-C1A-C2A	-3.34	123.52	126.17
31	h2	202	PEB	C3D-C4D-ND	3.34	113.82	107.26
31	P5	201	PEB	C3D-C4D-ND	3.34	113.82	107.26
31	g8	201	PEB	OD-C4D-ND	-3.34	120.98	125.93
31	AC	301	PEB	C1C-CHB-C4B	-3.34	124.82	128.81
31	UC	202	PEB	CHC-C4C-C3C	-3.34	124.64	130.34
31	K1	202	PEB	C3D-C4D-ND	3.34	113.82	107.26
31	O8	202	PEB	C3B-C4B-NB	3.34	114.91	110.05
31	eD	201	PEB	C3B-C4B-NB	3.34	114.91	110.05
33	ED	1001	CYC	CHB-C4A-NA	-3.34	117.94	124.93
31	LJ	202	PEB	OD-C4D-ND	-3.34	120.98	125.93
31	gF	203	PEB	OD-C4D-ND	-3.34	120.98	125.93
31	Y1	303	PEB	CMD-C2D-C3D	3.34	134.78	130.06
31	k8	201	PEB	C4B-C3B-C2B	-3.34	103.08	106.78
33	h3	1001	CYC	OC-C1C-C2C	-3.34	123.52	126.17
31	DE	1002	PEB	C3B-C4B-NB	3.34	114.91	110.05
31	vF	202	PEB	C3B-C4B-NB	3.34	114.91	110.05
33	C2	1001	CYC	C1B-C2B-C3B	-3.34	104.38	107.87
31	m6	201	PEB	CHC-C1D-ND	-3.34	110.07	113.95
31	m2	201	PEB	OD-C4D-ND	-3.34	120.98	125.93
31	QD	201	PEB	CAB-C3B-C4B	3.34	130.92	125.01
31	hC	201	PEB	C1C-CHB-C4B	3.34	132.80	128.81
31	MI	301	PEB	C4B-C3B-C2B	-3.34	103.08	106.78
31	JJ	203	PEB	C4B-C3B-C2B	-3.34	103.08	106.78
31	O1	201	PEB	C4B-C3B-C2B	-3.34	103.08	106.78
31	AH	302	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	IH	201	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	S7	201	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
33	KC	201	CYC	C2C-C1C-NC	3.34	111.15	108.27
33	L2	1001	CYC	C1B-C2B-C3B	-3.34	104.39	107.87
31	B5	203	PEB	OA-C1A-C2A	-3.34	123.52	126.17
31	eB	202	PEB	OA-C1A-C2A	-3.34	123.52	126.17
33	L3	1001	CYC	OC-C1C-C2C	-3.34	123.52	126.17
31	TJ	201	PEB	C3D-C4D-ND	3.34	113.81	107.26
31	K8	203	PEB	C3B-C4B-NB	3.34	114.91	110.05
31	QD	203	PEB	CHC-C4C-C3C	-3.34	124.64	130.34
31	w8	301	PEB	CHC-C4C-C3C	-3.34	124.64	130.34
31	cB	203	PEB	CHC-C4C-C3C	-3.34	124.64	130.34
31	W7	202	PEB	CHA-C1B-NB	-3.34	117.95	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gC	202	PEB	CAA-C3A-C2A	-3.34	105.91	114.26
31	AF	202	PEB	OD-C4D-ND	-3.34	120.98	125.93
31	T1	201	PEB	C4B-C3B-C2B	-3.34	103.09	106.78
33	LC	1003	CYC	C1A-C2A-C3A	-3.34	103.09	106.78
31	X1	202	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	D9	202	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	UA	301	PEB	C2A-C1A-NA	3.34	111.15	108.27
31	g6	201	PEB	C2A-C1A-NA	3.34	111.15	108.27
31	H8	202	PEB	OA-C1A-C2A	-3.34	123.52	126.17
31	R5	202	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	f6	202	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	G8	203	PEB	CMB-C2B-C1B	3.34	130.21	125.06
31	aB	202	PEB	CMB-C2B-C1B	3.34	130.21	125.06
31	AJ	304	PEB	C3D-C4D-ND	3.34	113.81	107.26
31	PD	202	PEB	CHA-C1B-NB	-3.34	117.95	124.93
31	hH	203	PEB	C2A-C1A-NA	3.34	111.15	108.27
31	CF	201	PEB	CHA-C1B-NB	-3.34	117.95	124.93
31	KG	202	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	G1	202	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	Y9	203	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	bC	202	PEB	C1B-C2B-C3B	-3.34	102.67	106.51
31	RB	202	PEB	OD-C4D-ND	-3.34	120.98	125.93
31	KF	203	PEB	C3B-C4B-NB	3.34	114.90	110.05
31	XH	202	PEB	C3B-C4B-NB	3.34	114.90	110.05
31	NI	202	PEB	CHB-C4B-C3B	3.34	133.03	125.32
31	LK	202	PEB	CHA-C4A-NA	3.34	129.17	125.20
31	L1	202	PEB	CHA-C4A-NA	3.34	129.17	125.20
31	XA	201	PEB	C2A-C1A-NA	3.34	111.15	108.27
31	eH	202	PEB	OD-C4D-ND	-3.34	120.99	125.93
33	M3	1001	CYC	CAA-C2A-C1A	3.34	130.91	125.01
31	t8	201	PEB	OD-C4D-ND	-3.34	120.99	125.93
31	g6	201	PEB	CMB-C2B-C1B	3.34	130.20	125.06
32	x8	306	PUB	C1C-C2C-C3C	-3.34	103.09	106.78
31	E8	202	PEB	CHC-C1D-ND	-3.34	110.07	113.95
31	Q4	201	PEB	C2A-C1A-NA	3.34	111.15	108.27
31	O7	201	PEB	C2A-C1A-NA	3.34	111.15	108.27
31	A5	301	PEB	CHC-C4C-C3C	-3.34	124.65	130.34
31	GH	203	PEB	OD-C4D-ND	-3.34	120.99	125.93
31	Q6	201	PEB	CHA-C1B-NB	-3.34	117.95	124.93
31	Y8	203	PEB	CHA-C4A-NA	3.34	129.17	125.20
31	DD	1002	PEB	C3B-C4B-NB	3.34	114.90	110.05
31	U9	202	PEB	CAB-C3B-C4B	3.34	130.91	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	bA	201	PEB	CHB-C4B-NB	-3.34	124.20	128.83
31	U9	203	PEB	CHC-C4C-C3C	-3.34	124.65	130.34
31	s8	203	PEB	C4B-C3B-C2B	-3.34	103.09	106.78
31	UA	303	PEB	OA-C1A-C2A	-3.34	123.52	126.17
31	f4	203	PEB	OA-C1A-C2A	-3.34	123.52	126.17
31	EF	202	PEB	CHC-C1D-ND	-3.34	110.07	113.95
33	JB	1001	CYC	OB-C4B-C3B	-3.34	124.42	128.04
31	M7	202	PEB	C2A-C1A-NA	3.33	111.15	108.27
31	P5	203	PEB	C3B-C4B-NB	3.33	114.90	110.05
31	ZC	203	PEB	OD-C4D-ND	-3.33	120.99	125.93
31	I4	203	PEB	OD-C4D-ND	-3.33	120.99	125.93
31	dD	204	PEB	C4B-C3B-C2B	-3.33	103.09	106.78
31	kF	201	PEB	C4B-C3B-C2B	-3.33	103.09	106.78
31	yF	301	PEB	C4B-C3B-C2B	-3.33	103.09	106.78
31	WH	201	PEB	OA-C1A-C2A	-3.33	123.52	126.17
31	A6	301	PEB	OA-C1A-C2A	-3.33	123.52	126.17
33	LB	1001	CYC	C2A-C1A-NA	3.33	114.90	110.05
31	cB	201	PEB	CMB-C2B-C1B	3.33	130.20	125.06
31	AC	302	PEB	C1B-C2B-C3B	-3.33	102.68	106.51
31	H6	1002	PEB	C3B-C4B-NB	3.33	114.90	110.05
31	L2	1002	PEB	OD-C4D-C3D	-3.33	121.91	129.46
31	B1	203	PEB	OD-C4D-ND	-3.33	120.99	125.93
31	K7	202	PEB	OD-C4D-ND	-3.33	120.99	125.93
33	x3	1001	CYC	CHB-C1B-C2B	-3.33	120.34	126.95
31	KI	202	PEB	CHB-C4B-C3B	3.33	133.02	125.32
31	l6	202	PEB	C1B-C2B-C3B	-3.33	102.68	106.51
31	W4	202	PEB	CHA-C1B-NB	-3.33	117.96	124.93
33	B3	1001	CYC	OC-C1C-C2C	-3.33	123.52	126.17
31	eF	202	PEB	CHC-C1D-ND	-3.33	110.08	113.95
31	H2	1002	PEB	C4B-C3B-C2B	-3.33	103.09	106.78
31	Q4	204	PEB	C2A-C1A-NA	3.33	111.15	108.27
33	N2	1001	CYC	C2C-C1C-NC	3.33	111.15	108.27
31	WJ	201	PEB	CHC-C4C-C3C	-3.33	124.65	130.34
31	qF	203	PEB	C3D-C4D-ND	3.33	113.80	107.26
31	NG	201	PEB	C1B-C2B-C3B	-3.33	102.68	106.51
31	V1	202	PEB	CHA-C1B-NB	-3.33	117.96	124.93
31	Q9	203	PEB	CHC-C4C-C3C	-3.33	124.65	130.34
31	DF	202	PEB	OD-C4D-ND	-3.33	120.99	125.93
31	J1	202	PEB	CHB-C4B-NB	-3.33	124.20	128.83
31	KF	201	PEB	C4B-C3B-C2B	-3.33	103.09	106.78
31	LK	202	PEB	C4B-C3B-C2B	-3.33	103.09	106.78
31	lF	203	PEB	C4B-C3B-C2B	-3.33	103.09	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	J2	1001	CYC	C1B-NB-C4B	-3.33	106.43	110.67
31	SD	202	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	CH	201	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	U9	201	PEB	C3B-C4B-NB	3.33	114.89	110.05
31	EK	202	PEB	C1B-C2B-C3B	-3.33	102.68	106.51
31	P4	202	PEB	CHC-C1D-ND	-3.33	110.08	113.95
31	ZF	201	PEB	C3B-C4B-NB	3.33	114.89	110.05
31	fB	202	PEB	CMB-C2B-C1B	3.33	130.19	125.06
33	NB	1001	CYC	CMA-C3A-C4A	3.33	130.19	125.06
31	h6	201	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	H7	201	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	L8	201	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	PH	202	PEB	OA-C1A-C2A	-3.33	123.53	126.17
31	AJ	302	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	U2	202	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	xF	303	PEB	C1B-C2B-C3B	-3.33	102.68	106.51
31	qF	202	PEB	CHC-C4C-C3C	-3.33	124.66	130.34
31	PE	202	PEB	CHA-C1B-NB	-3.33	117.97	124.93
31	DH	201	PEB	C4B-C3B-C2B	-3.33	103.10	106.78
31	H4	201	PEB	CMB-C2B-C1B	3.33	130.19	125.06
31	I4	203	PEB	C1B-C2B-C3B	-3.33	102.69	106.51
31	WF	202	PEB	CHC-C1D-ND	-3.33	110.08	113.95
31	mB	201	PEB	CHC-C1D-ND	-3.33	110.08	113.95
31	L4	201	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	mC	201	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	PJ	201	PEB	C3D-C4D-ND	3.33	113.79	107.26
31	SB	201	PEB	OA-C1A-C2A	-3.33	123.53	126.17
31	SA	203	PEB	C4B-C3B-C2B	-3.33	103.10	106.78
31	QA	202	PEB	CHC-C4C-C3C	-3.33	124.66	130.34
33	C2	1001	CYC	CHD-C4C-NC	3.33	129.16	125.20
31	Y8	203	PEB	C3D-C4D-ND	3.33	113.79	107.26
31	A5	302	PEB	C3B-C4B-NB	3.33	114.89	110.05
31	PG	201	PEB	C1B-C2B-C3B	-3.33	102.69	106.51
31	H1	201	PEB	CHB-C4B-NB	-3.33	124.21	128.83
31	QI	203	PEB	C4B-C3B-C2B	-3.33	103.10	106.78
31	F9	203	PEB	C4B-C3B-C2B	-3.33	103.10	106.78
31	g2	202	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	gE	201	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	mB	201	PEB	C3B-C4B-NB	3.33	114.89	110.05
31	a8	201	PEB	OA-C1A-C2A	-3.33	123.53	126.17
31	AJ	301	PEB	CHC-C4C-C3C	-3.33	124.66	130.34
31	wF	301	PEB	CHC-C4C-C3C	-3.33	124.66	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Q9	201	PEB	CBC-CAC-C2C	-3.33	106.94	112.62
31	N5	203	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	dE	201	PEB	C1B-C2B-C3B	-3.33	102.69	106.51
33	D3	1001	CYC	CAA-C2A-C1A	3.33	130.90	125.01
31	LK	203	PEB	CHB-C4B-NB	-3.33	124.21	128.83
31	II	202	PEB	CHB-C4B-C3B	3.33	133.01	125.32
31	S6	201	PEB	C4B-NB-C1B	-3.33	100.24	106.51
31	TJ	201	PEB	C4B-C3B-C2B	-3.33	103.10	106.78
33	ED	1001	CYC	C1A-C2A-C3A	-3.33	103.10	106.78
31	SK	202	PEB	C3B-C4B-NB	3.33	114.89	110.05
33	I2	201	CYC	C2A-C1A-NA	3.33	114.89	110.05
31	UC	203	PEB	C3D-C4D-ND	3.33	113.79	107.26
31	V1	203	PEB	CAB-C3B-C4B	3.33	130.90	125.01
31	fB	202	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	JK	202	PEB	CHB-C4B-NB	-3.33	124.21	128.83
31	aD	202	PEB	CHA-C1B-NB	-3.33	117.97	124.93
31	O7	203	PEB	CMB-C2B-C1B	3.33	130.19	125.06
31	L8	202	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	DK	203	PEB	C4B-C3B-C2B	-3.33	103.10	106.78
31	KK	201	PEB	CHB-C4B-NB	-3.33	124.21	128.83
33	V3	1001	CYC	CHB-C1B-C2B	-3.33	120.36	126.95
31	HG	201	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	G7	202	PEB	CHA-C1B-NB	-3.33	117.98	124.93
31	L8	202	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	fE	203	PEB	C2A-C1A-NA	3.33	111.14	108.27
31	JF	201	PEB	C4B-C3B-C2B	-3.33	103.10	106.78
33	N6	1001	CYC	C1A-C2A-C3A	-3.33	103.10	106.78
31	MJ	202	PEB	CHB-C4B-NB	-3.33	124.21	128.83
31	AI	201	PEB	OA-C1A-C2A	-3.33	123.53	126.17
31	Z9	301	PEB	C3B-C4B-NB	3.33	114.89	110.05
31	hB	201	PEB	OD-C4D-ND	-3.33	121.00	125.93
31	D1	203	PEB	C4B-C3B-C2B	-3.32	103.10	106.78
31	R6	202	PEB	C2A-C1A-NA	3.32	111.14	108.27
31	j6	202	PEB	C2A-C1A-NA	3.32	111.14	108.27
31	c6	202	PEB	OD-C4D-C3D	-3.32	121.93	129.46
31	bE	201	PEB	C3B-C4B-NB	3.32	114.89	110.05
31	XG	201	PEB	C1B-C2B-C3B	-3.32	102.69	106.51
31	T2	201	PEB	CHC-C1D-ND	-3.32	110.09	113.95
31	K1	201	PEB	CHB-C4B-NB	-3.32	124.22	128.83
31	YH	202	PEB	C3B-C4B-NB	3.32	114.88	110.05
31	eH	202	PEB	C3B-C4B-NB	3.32	114.88	110.05
31	B8	202	PEB	OD-C4D-ND	-3.32	121.01	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	LI	203	PEB	C4B-C3B-C2B	-3.32	103.10	106.78
31	S2	202	PEB	C4B-C3B-C2B	-3.32	103.10	106.78
31	T6	203	PEB	C4B-C3B-C2B	-3.32	103.10	106.78
31	SF	203	PEB	C3D-C4D-ND	3.32	113.78	107.26
31	l4	201	PEB	C2A-C1A-NA	3.32	111.14	108.27
31	VG	201	PEB	C1B-C2B-C3B	-3.32	102.69	106.51
31	A1	202	PEB	C1B-C2B-C3B	-3.32	102.69	106.51
32	M9	304	PUB	CMA-C2A-C1A	3.32	129.21	121.39
31	e6	201	PEB	C3B-C4B-NB	3.32	114.88	110.05
33	d3	1001	CYC	CAA-C2A-C1A	3.32	130.89	125.01
31	WK	202	PEB	C3D-C4D-ND	3.32	113.78	107.26
31	LI	203	PEB	CMB-C2B-C1B	3.32	130.18	125.06
31	D9	201	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
33	D2	1003	CYC	C1A-C2A-C3A	-3.32	103.11	106.78
31	KH	202	PEB	C1B-C2B-C3B	-3.32	102.69	106.51
31	R5	203	PEB	CHC-C1D-ND	-3.32	110.09	113.95
31	oF	202	PEB	CHA-C1B-NB	-3.32	117.98	124.93
33	u3	1001	CYC	CAA-C2A-C1A	3.32	130.89	125.01
31	VI	202	PEB	CHB-C4B-C3B	3.32	133.00	125.32
31	OD	202	PEB	C1B-C2B-C3B	-3.32	102.69	106.51
31	RG	201	PEB	C1B-C2B-C3B	-3.32	102.69	106.51
31	F7	202	PEB	CHC-C1D-ND	-3.32	110.09	113.95
31	hB	201	PEB	OA-C1A-C2A	-3.32	123.53	126.17
31	DK	201	PEB	C2A-C1A-NA	3.32	111.14	108.27
31	OK	202	PEB	C2A-C1A-NA	3.32	111.14	108.27
31	AC	305	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
31	Q5	201	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
33	F3	1001	CYC	CAA-C2A-C1A	3.32	130.88	125.01
31	DA	203	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
31	UA	301	PEB	CHA-C1B-NB	-3.32	117.99	124.93
31	j4	201	PEB	C2A-C1A-NA	3.32	111.14	108.27
31	QD	202	PEB	C1B-C2B-C3B	-3.32	102.70	106.51
33	DC	1003	CYC	C2A-C1A-NA	3.32	114.88	110.05
33	U3	1001	CYC	CAA-C2A-C1A	3.32	130.88	125.01
33	S3	1001	CYC	CAA-C2A-C1A	3.32	130.88	125.01
31	QD	201	PEB	OD-C4D-ND	-3.32	121.01	125.93
31	NJ	203	PEB	OD-C4D-ND	-3.32	121.01	125.93
31	jF	202	PEB	OD-C4D-ND	-3.32	121.01	125.93
31	WH	203	PEB	C1B-C2B-C3B	-3.32	102.70	106.51
33	JC	1001	CYC	C4A-C3A-C2A	-3.32	102.70	106.51
31	d2	203	PEB	CHA-C1B-C2B	3.32	133.44	124.90
31	BF	202	PEB	C2A-C1A-NA	3.32	111.13	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gC	202	PEB	C2A-C1A-NA	3.32	111.13	108.27
33	73	1001	CYC	CAA-C2A-C1A	3.32	130.88	125.01
31	J9	203	PEB	CHC-C4C-C3C	-3.32	124.68	130.34
31	F5	201	PEB	OD-C4D-ND	-3.32	121.01	125.93
31	PI	202	PEB	CHB-C4B-C3B	3.32	132.99	125.32
31	dC	202	PEB	C1C-CHB-C4B	3.32	132.77	128.81
31	I4	201	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
31	lC	201	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
31	QC	202	PEB	C1B-C2B-C3B	-3.32	102.70	106.51
31	oF	202	PEB	C3D-C4D-ND	3.32	113.77	107.26
31	S2	201	PEB	OA-C1A-C2A	-3.32	123.53	126.17
31	Y9	203	PEB	OA-C1A-C2A	-3.32	123.53	126.17
31	g2	202	PEB	CAA-C3A-C2A	-3.32	105.97	114.26
31	TI	202	PEB	CHB-C4B-C3B	3.32	132.99	125.32
33	h3	1001	CYC	CAA-C2A-C1A	3.32	130.88	125.01
31	vF	201	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
31	X4	202	PEB	CHC-C4C-C3C	-3.32	124.68	130.34
31	W4	202	PEB	C1B-C2B-C3B	-3.32	102.70	106.51
33	BD	1001	CYC	C2B-C1B-NB	3.32	111.84	106.99
31	U2	203	PEB	CHA-C1B-NB	-3.32	117.99	124.93
31	N1	203	PEB	CHB-C4B-C3B	-3.32	117.66	125.32
31	SD	201	PEB	OD-C4D-ND	-3.32	121.02	125.93
31	JH	201	PEB	OD-C4D-ND	-3.32	121.02	125.93
31	EI	202	PEB	CHB-C4B-C3B	3.32	132.98	125.32
31	hH	202	PEB	OA-C1A-C2A	-3.32	123.54	126.17
31	J7	202	PEB	C2A-C1A-NA	3.32	111.13	108.27
31	V7	202	PEB	C2A-C1A-NA	3.32	111.13	108.27
31	fF	202	PEB	C2A-C1A-NA	3.32	111.13	108.27
31	G8	203	PEB	C3D-C4D-ND	3.32	113.77	107.26
31	FJ	201	PEB	OD-C4D-ND	-3.32	121.02	125.93
33	I3	1001	CYC	CAA-C2A-C1A	3.32	130.88	125.01
31	QJ	201	PEB	C3B-C4B-NB	3.32	114.87	110.05
31	HC	1002	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
31	HG	202	PEB	C4B-C3B-C2B	-3.32	103.11	106.78
31	AB	305	PEB	C1B-C2B-C3B	-3.32	102.70	106.51
31	lE	202	PEB	C1B-C2B-C3B	-3.32	102.70	106.51
31	bB	202	PEB	C2A-C1A-NA	3.32	111.13	108.27
31	hC	201	PEB	C2A-C1A-NA	3.32	111.13	108.27
31	SI	201	PEB	OA-C1A-C2A	-3.32	123.54	126.17
31	v8	202	PEB	OA-C1A-C2A	-3.32	123.54	126.17
31	ZA	202	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	V1	203	PEB	OD-C4D-ND	-3.31	121.02	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	hD	203	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	qF	202	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	Y5	201	PEB	C3B-C4B-NB	3.31	114.87	110.05
32	Z9	304	PUB	CMA-C2A-C1A	3.31	129.19	121.39
31	f6	202	PEB	CHC-C1D-ND	-3.31	110.10	113.95
33	ID	1001	CYC	C1B-C2B-C3B	-3.31	104.41	107.87
31	i2	201	PEB	C1B-C2B-C3B	-3.31	102.70	106.51
31	g6	202	PEB	C1B-C2B-C3B	-3.31	102.70	106.51
31	dE	202	PEB	C4B-C3B-C2B	-3.31	103.11	106.78
31	U6	201	PEB	OD-C4D-C3D	-3.31	121.95	129.46
31	m2	202	PEB	CHC-C4C-C3C	-3.31	124.68	130.34
31	U8	202	PEB	C2A-C1A-NA	3.31	111.13	108.27
31	cB	202	PEB	C2A-C1A-NA	3.31	111.13	108.27
31	SI	202	PEB	OA-C1A-C2A	-3.31	123.54	126.17
31	Y7	503	PEB	OA-C1A-C2A	-3.31	123.54	126.17
31	A7	203	PEB	C3D-C4D-ND	3.31	113.76	107.26
31	o8	202	PEB	CHA-C1B-NB	-3.31	118.00	124.93
31	A4	301	PEB	C4B-C3B-C2B	-3.31	103.11	106.78
31	IH	202	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	YH	201	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	UD	202	PEB	CHB-C4B-NB	-3.31	124.23	128.83
31	dB	201	PEB	CMB-C2B-C1B	3.31	130.17	125.06
31	D1	201	PEB	C2A-C1A-NA	3.31	111.13	108.27
31	P7	202	PEB	C2A-C1A-NA	3.31	111.13	108.27
33	C2	1001	CYC	C4A-C3A-C2A	-3.31	102.70	106.51
31	ZA	202	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
32	wF	304	PUB	C1C-C2C-C3C	-3.31	103.12	106.78
31	M5	201	PEB	CAB-CBB-CGB	-3.31	106.47	113.60
33	M2	201	CYC	C1B-NB-C4B	-3.31	106.45	110.67
33	73	1002	CYC	CMB-C2B-C1B	3.31	128.30	124.17
31	AD	304	PEB	C1C-CHB-C4B	-3.31	124.85	128.81
31	L1	203	PEB	CHB-C4B-NB	-3.31	124.23	128.83
31	BF	202	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	AI	202	PEB	CHB-C4B-C3B	3.31	132.97	125.32
31	e4	202	PEB	CHC-C1D-ND	3.31	117.79	113.95
31	AJ	302	PEB	C3B-C4B-NB	3.31	114.87	110.05
31	bD	201	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	Y9	201	PEB	CHA-C1B-NB	-3.31	118.00	124.93
31	NK	203	PEB	C2A-C1A-NA	3.31	111.13	108.27
31	ZF	201	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	hF	201	PEB	OD-C4D-ND	-3.31	121.02	125.93
31	H5	203	PEB	OA-C1A-C2A	-3.31	123.54	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W8	201	PEB	OA-C1A-C2A	-3.31	123.54	126.17
31	RI	202	PEB	CHB-C4B-C3B	3.31	132.97	125.32
31	D8	203	PEB	C3B-C4B-NB	3.31	114.87	110.05
31	RC	202	PEB	OD-C4D-C3D	-3.31	121.96	129.46
33	j3	1001	CYC	CAA-C2A-C1A	3.31	130.87	125.01
31	O9	203	PEB	CMB-C2B-C1B	3.31	130.16	125.06
31	IA	203	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	h4	203	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	kH	202	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	H8	201	PEB	CMA-C2A-C1A	-3.31	105.27	112.40
31	SI	203	PEB	OD-C4D-ND	-3.31	121.03	125.93
31	U8	202	PEB	OD-C4D-ND	-3.31	121.03	125.93
31	a8	202	PEB	OD-C4D-ND	-3.31	121.03	125.93
33	ID	1001	CYC	C2A-C1A-NA	3.31	114.86	110.05
33	B3	1001	CYC	CAA-C2A-C1A	3.31	130.87	125.01
31	GA	201	PEB	CHA-C1B-NB	-3.31	118.01	124.93
31	b6	201	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
31	gF	203	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
31	W5	201	PEB	CHC-C4C-C3C	-3.31	124.69	130.34
31	v8	201	PEB	CHC-C4C-C3C	-3.31	124.69	130.34
31	YK	303	PEB	CHC-C4C-C3C	3.31	135.98	130.34
31	P5	202	PEB	CHA-C1B-C2B	3.31	133.41	124.90
33	O3	1001	CYC	CAA-C2A-C1A	3.31	130.87	125.01
31	ZC	203	PEB	C3B-C4B-NB	3.31	114.86	110.05
31	UF	201	PEB	CAC-CBC-CGC	3.31	123.04	113.76
31	g6	202	PEB	CMB-C2B-C1B	3.31	130.16	125.06
31	SK	202	PEB	C3D-C4D-ND	3.31	113.75	107.26
31	MH	203	PEB	CBC-CAC-C2C	-3.31	106.97	112.62
32	Q4	202	PUB	CHC-C1D-ND	-3.31	109.54	113.72
31	MI	301	PEB	CHC-C1D-ND	-3.31	110.10	113.95
31	CI	202	PEB	C2A-C1A-NA	3.31	111.13	108.27
31	PI	202	PEB	C2A-C1A-NA	3.31	111.13	108.27
31	A4	301	PEB	C2A-C1A-NA	3.31	111.13	108.27
31	w8	303	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
33	BD	1002	CYC	C4A-C3A-C2A	-3.31	102.71	106.51
31	mB	202	PEB	C3B-C4B-NB	3.31	114.86	110.05
31	VK	202	PEB	OD-C4D-ND	-3.31	121.03	125.93
31	ID	203	PEB	OD-C4D-ND	-3.31	121.03	125.93
31	HJ	203	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
33	D2	1001	CYC	CMA-C3A-C4A	3.31	130.16	125.06
33	n3	1001	CYC	CAA-C2A-C1A	3.31	130.86	125.01
31	KG	201	PEB	C4B-C3B-C2B	-3.31	103.12	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	bB	201	PEB	CAB-CBB-CGB	-3.31	106.48	113.60
31	PJ	202	PEB	CHA-C1B-C2B	3.31	133.41	124.90
31	G8	203	PEB	CHB-C4B-NB	-3.31	124.24	128.83
31	S1	202	PEB	C3B-C4B-NB	3.31	114.86	110.05
31	Z8	201	PEB	C3B-C4B-NB	3.31	114.86	110.05
33	L3	1001	CYC	CAA-C2A-C1A	3.31	130.86	125.01
31	A5	302	PEB	OA-C1A-C2A	-3.31	123.54	126.17
31	K4	201	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
31	lF	203	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
31	I8	203	PEB	CHA-C1B-NB	-3.31	118.01	124.93
31	QH	204	PEB	OD-C4D-ND	-3.31	121.03	125.93
31	Q4	203	PEB	OD-C4D-ND	-3.31	121.03	125.93
32	y8	303	PUB	OA-C1A-NA	-3.31	121.03	125.93
31	HJ	201	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
33	NB	1001	CYC	C1A-C2A-C3A	-3.31	103.12	106.78
32	YK	304	PUB	CHA-C1B-C2B	-3.31	124.70	130.34
31	O1	201	PEB	C3B-C4B-NB	3.31	114.86	110.05
31	n8	202	PEB	C3B-C4B-NB	3.31	114.86	110.05
31	TG	201	PEB	CMB-C2B-C1B	3.31	130.16	125.06
31	BA	202	PEB	C2A-C1A-NA	3.31	111.12	108.27
31	H6	1002	PEB	C2A-C1A-NA	3.31	111.12	108.27
31	dF	201	PEB	OD-C4D-ND	-3.31	121.03	125.93
31	OB	202	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
31	BJ	202	PEB	CHC-C4C-C3C	-3.31	124.70	130.34
31	SF	202	PEB	CBC-CAC-C2C	-3.31	106.98	112.62
31	GH	201	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	O4	202	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	H5	201	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	kD	202	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
31	L9	201	PEB	CHA-C1B-NB	-3.31	118.02	124.93
31	Y6	202	PEB	C2A-C1A-NA	3.31	111.12	108.27
31	E7	202	PEB	C3B-C4B-NB	3.31	114.86	110.05
31	fD	202	PEB	CMB-C2B-C1B	3.31	130.16	125.06
31	T5	201	PEB	C3D-C4D-ND	3.31	113.75	107.26
31	H8	201	PEB	C4B-C3B-C2B	-3.31	103.12	106.78
33	k3	1001	CYC	CAA-C2A-C1A	3.31	130.86	125.01
31	N4	201	PEB	C3B-C4B-NB	3.31	114.86	110.05
31	RJ	203	PEB	CHC-C1D-ND	-3.31	110.11	113.95
31	TF	202	PEB	OA-C1A-C2A	-3.31	123.55	126.17
31	HK	203	PEB	OA-C1A-C2A	-3.31	123.55	126.17
31	E8	202	PEB	C1B-C2B-C3B	-3.31	102.71	106.51
31	LH	202	PEB	CHC-C4C-C3C	-3.30	124.70	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	JC	1003	CYC	C1B-NB-C4B	-3.30	106.46	110.67
31	MJ	201	PEB	CAB-CBB-CGB	-3.30	106.49	113.60
31	WD	201	PEB	C2A-C1A-NA	3.30	111.12	108.27
31	YD	202	PEB	C4B-C3B-C2B	-3.30	103.12	106.78
31	M7	202	PEB	C4B-C3B-C2B	-3.30	103.12	106.78
31	dC	203	PEB	CHA-C1B-C2B	3.30	133.40	124.90
33	D2	1003	CYC	CMA-C3A-C4A	3.30	130.15	125.06
33	o3	1001	CYC	CAA-C2A-C1A	3.30	130.85	125.01
32	M9	305	PUB	CBA-CAA-C3A	-3.30	107.97	112.98
31	QE	202	PEB	C1B-C2B-C3B	-3.30	102.71	106.51
31	UI	201	PEB	O2B-CGB-CBB	3.30	124.64	114.03
31	WA	402	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	A5	301	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	L6	1002	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	aD	201	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	cA	402	PEB	CBC-CAC-C2C	-3.30	106.98	112.62
31	F4	202	PEB	CHC-C4C-C3C	-3.30	124.70	130.34
31	J9	201	PEB	C2A-C1A-NA	3.30	111.12	108.27
31	O6	201	PEB	C4B-NB-C1B	-3.30	100.29	106.51
31	Q1	202	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	m6	201	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	tF	201	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	h4	201	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
31	TA	202	PEB	CMC-C3C-C2C	-3.30	118.71	124.94
31	dJ	401	PEB	CMB-C2B-C1B	3.30	130.15	125.06
31	J1	203	PEB	C3B-C4B-NB	3.30	114.85	110.05
31	L5	203	PEB	C3B-C4B-NB	3.30	114.85	110.05
31	WF	202	PEB	CHB-C4B-NB	-3.30	124.25	128.83
31	I7	203	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	L4	202	PEB	OD-C4D-ND	-3.30	121.04	125.93
33	63	901	CYC	C1B-CHB-C4A	3.30	136.15	128.08
33	Q3	1001	CYC	CAA-C2A-C1A	3.30	130.85	125.01
31	O2	202	PEB	OA-C1A-C2A	-3.30	123.55	126.17
31	R5	203	PEB	OA-C1A-C2A	-3.30	123.55	126.17
31	f6	202	PEB	CMB-C2B-C1B	3.30	130.15	125.06
31	NI	202	PEB	C2A-C1A-NA	3.30	111.12	108.27
31	A2	301	PEB	C1C-CHB-C4B	-3.30	124.86	128.81
31	N4	202	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	h8	201	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	sF	201	PEB	CHC-C4C-C3C	-3.30	124.70	130.34
31	LJ	202	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	RJ	203	PEB	C4B-C3B-C2B	-3.30	103.13	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O9	202	PEB	C3B-C4B-NB	3.30	114.85	110.05
31	dH	201	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
31	S4	202	PEB	CHB-C4B-NB	-3.30	124.25	128.83
31	eE	202	PEB	CHB-C4B-NB	-3.30	124.25	128.83
33	q3	1001	CYC	CAA-C2A-C1A	3.30	130.85	125.01
31	QK	202	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	CI	202	PEB	CHB-C4B-C3B	3.30	132.95	125.32
31	c6	203	PEB	CHC-C4C-C3C	-3.30	124.71	130.34
31	V7	202	PEB	CHC-C4C-C3C	-3.30	124.71	130.34
31	WH	203	PEB	CHA-C1B-NB	-3.30	118.03	124.93
31	AJ	301	PEB	CHA-C1B-NB	-3.30	118.03	124.93
31	AI	202	PEB	C2A-C1A-NA	3.30	111.12	108.27
31	KF	202	PEB	CMA-C2A-C1A	-3.30	105.29	112.40
33	NB	1001	CYC	C2A-C1A-NA	3.30	114.85	110.05
31	mE	203	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	S8	202	PEB	CBC-CAC-C2C	-3.30	106.99	112.62
31	O7	203	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	Z9	303	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	S6	202	PEB	CMB-C2B-C1B	3.30	130.15	125.06
31	JA	202	PEB	CMC-C3C-C2C	-3.30	118.72	124.94
33	CC	1001	CYC	CMB-C2B-C1B	3.30	128.29	124.17
31	iH	201	PEB	CHC-C4C-C3C	-3.30	124.71	130.34
31	GI	202	PEB	C2A-C1A-NA	3.30	111.12	108.27
31	TI	202	PEB	C2A-C1A-NA	3.30	111.12	108.27
33	K2	201	CYC	C2C-C1C-NC	3.30	111.12	108.27
31	KH	201	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	SH	201	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	RK	203	PEB	OA-C1A-C2A	-3.30	123.55	126.17
31	U4	202	PEB	OD-C4D-ND	-3.30	121.04	125.93
31	YC	201	PEB	CHA-C1B-NB	-3.30	118.03	124.93
31	LG	201	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
31	Q2	202	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
31	SB	202	PEB	C4B-NB-C1B	-3.30	100.29	106.51
31	HF	201	PEB	CMA-C2A-C1A	-3.30	105.29	112.40
31	s8	201	PEB	CHC-C4C-C3C	-3.30	124.71	130.34
31	vF	201	PEB	CHC-C4C-C3C	-3.30	124.71	130.34
31	OB	201	PEB	CHA-C1B-NB	-3.30	118.03	124.93
31	A5	304	PEB	CMB-C2B-C1B	3.30	130.15	125.06
31	K8	202	PEB	CMA-C2A-C1A	-3.30	105.29	112.40
33	CE	1001	CYC	C1B-C2B-C3B	-3.30	104.43	107.87
31	IH	201	PEB	C3B-C4B-NB	3.30	114.85	110.05
31	OG	203	PEB	C2A-C1A-NA	3.30	111.12	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e1	301	PEB	C2A-C1A-NA	3.30	111.12	108.27
31	K7	201	PEB	OD-C4D-C3D	-3.30	121.98	129.46
31	b2	203	PEB	CMB-C2B-C1B	3.30	130.14	125.06
31	LC	1002	PEB	OD-C4D-C3D	-3.30	121.99	129.46
31	HF	201	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	T6	202	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
33	BE	1001	CYC	C2B-C1B-NB	3.30	111.82	106.99
31	OI	201	PEB	CHC-C4C-C3C	-3.30	124.71	130.34
31	aH	203	PEB	OA-C1A-C2A	-3.30	123.55	126.17
31	OE	201	PEB	CHA-C1B-NB	-3.30	118.03	124.93
31	GD	202	PEB	CHC-C1D-ND	-3.30	110.12	113.95
31	JG	202	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	LF	202	PEB	OD-C4D-ND	-3.30	121.05	125.93
31	x8	304	PEB	OD-C4D-ND	-3.30	121.05	125.93
32	Z9	304	PUB	C4B-CHB-C1C	3.30	132.75	128.81
31	lH	203	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
31	kB	202	PEB	CAB-C3B-C4B	3.30	130.84	125.01
33	CC	1001	CYC	CHD-C4C-NC	3.30	129.12	125.20
31	H4	201	PEB	OD-C4D-ND	-3.30	121.05	125.93
31	K5	202	PEB	CHC-C1D-ND	-3.30	110.12	113.95
31	h4	202	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
31	iB	202	PEB	C4B-C3B-C2B	-3.30	103.13	106.78
33	f3	1001	CYC	CAA-C2A-C1A	3.30	130.84	125.01
31	UI	203	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
31	HD	1002	PEB	C3B-C4B-NB	3.30	114.84	110.05
31	dD	201	PEB	CMB-C2B-C1B	3.30	130.14	125.06
31	K7	201	PEB	CHA-C1B-NB	-3.30	118.04	124.93
31	Q8	201	PEB	OD-C4D-ND	-3.30	121.05	125.93
31	XI	202	PEB	CHB-C4B-C3B	3.30	132.94	125.32
31	kE	202	PEB	CHB-C4B-NB	-3.30	124.25	128.83
32	M9	304	PUB	C4B-CHB-C1C	3.30	132.75	128.81
31	Q7	202	PEB	C4B-C3B-C2B	-3.30	103.14	106.78
31	d8	201	PEB	C4B-C3B-C2B	-3.30	103.14	106.78
31	b6	202	PEB	C1B-C2B-C3B	-3.30	102.72	106.51
33	H3	1001	CYC	CAA-C2A-C1A	3.30	130.84	125.01
31	eF	201	PEB	CHA-C1B-NB	-3.30	118.04	124.93
31	J9	202	PEB	OA-C1A-C2A	-3.30	123.55	126.17
32	xF	305	PUB	CHA-C1B-C2B	-3.30	124.72	130.34
31	OH	201	PEB	C3B-C4B-NB	3.29	114.84	110.05
31	JK	203	PEB	CHC-C1D-ND	-3.29	110.12	113.95
31	H5	203	PEB	CMB-C2B-C1B	3.29	130.14	125.06
31	W9	201	PEB	CMB-C2B-C1B	3.29	130.14	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	P2	202	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
32	xF	306	PUB	C1C-C2C-C3C	-3.29	103.14	106.78
31	X8	203	PEB	OD-C4D-ND	-3.29	121.05	125.93
31	K4	202	PEB	C1B-C2B-C3B	-3.29	102.72	106.51
31	hH	202	PEB	C1B-C2B-C3B	-3.29	102.72	106.51
31	XI	202	PEB	C2A-C1A-NA	3.29	111.11	108.27
31	jH	202	PEB	C2A-C1A-NA	3.29	111.11	108.27
31	eE	201	PEB	CHA-C1B-NB	-3.29	118.04	124.93
31	SB	201	PEB	CMB-C2B-C1B	3.29	130.14	125.06
31	cA	403	PEB	OD-C4D-ND	-3.29	121.05	125.93
31	XK	202	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	PF	202	PEB	CHB-C4B-C3B	-3.29	117.71	125.32
31	A7	201	PEB	C1C-CHB-C4B	3.29	132.74	128.81
31	SE	202	PEB	C2A-C1A-NA	3.29	111.11	108.27
31	NA	203	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	SE	202	PEB	C3B-C4B-NB	3.29	114.84	110.05
31	LJ	203	PEB	C3B-C4B-NB	3.29	114.84	110.05
31	YJ	201	PEB	C3B-C4B-NB	3.29	114.84	110.05
31	O4	202	PEB	OD-C4D-ND	-3.29	121.05	125.93
31	F9	201	PEB	C2A-C1A-NA	3.29	111.11	108.27
31	E7	202	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	BK	202	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	iC	201	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
33	D2	1003	CYC	C2A-C1A-NA	3.29	114.84	110.05
31	M1	201	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	NK	203	PEB	CHB-C4B-C3B	-3.29	117.72	125.32
31	o8	202	PEB	C3D-C4D-ND	3.29	113.72	107.26
31	OK	201	PEB	C3B-C4B-NB	3.29	114.84	110.05
31	HA	202	PEB	OD-C4D-ND	-3.29	121.06	125.93
31	M5	201	PEB	OD-C4D-ND	-3.29	121.06	125.93
31	d6	201	PEB	OD-C4D-ND	-3.29	121.06	125.93
31	W8	202	PEB	CHC-C1D-ND	-3.29	110.13	113.95
31	XK	202	PEB	OD-C4D-C3D	-3.29	122.00	129.46
31	Y6	201	PEB	C3B-C4B-NB	3.29	114.83	110.05
31	ZA	203	PEB	OA-C1A-C2A	-3.29	123.56	126.17
31	LG	201	PEB	CHB-C4B-NB	-3.29	124.26	128.83
33	63	901	CYC	C1B-NB-C4B	-3.29	106.48	110.67
31	JE	201	PEB	CHC-C1D-ND	-3.29	110.13	113.95
32	Y1	304	PUB	CHA-C1B-C2B	-3.29	124.73	130.34
31	F8	202	PEB	CAB-C3B-C4B	3.29	130.83	125.01
31	HJ	203	PEB	CMB-C2B-C1B	3.29	130.13	125.06
31	XK	203	PEB	CMB-C2B-C1B	3.29	130.13	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	f2	202	PEB	CHA-C1B-NB	-3.29	118.05	124.93
31	aE	202	PEB	CHA-C1B-NB	-3.29	118.05	124.93
31	A2	302	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	I7	202	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	w8	302	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	eD	202	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	AK	201	PEB	C3D-C4D-ND	3.29	113.71	107.26
31	AF	201	PEB	OD-C4D-ND	-3.29	121.06	125.93
31	VA	202	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	L5	202	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	R2	202	PEB	OD-C4D-C3D	-3.29	122.01	129.46
31	KA	302	PEB	CHB-C4B-NB	-3.29	124.27	128.83
31	FF	202	PEB	CAB-C3B-C4B	3.29	130.83	125.01
33	w3	1001	CYC	CAA-C2A-C1A	3.29	130.83	125.01
31	W8	202	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	LH	202	PEB	CAB-C3B-C4B	3.29	130.83	125.01
31	jC	203	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	nF	202	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	OF	202	PEB	CHB-C4B-C3B	-3.29	117.72	125.32
31	DF	202	PEB	OA-C1A-C2A	-3.29	123.56	126.17
31	FJ	201	PEB	OA-C1A-C2A	-3.29	123.56	126.17
31	aE	201	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	WE	202	PEB	C2A-C1A-NA	3.29	111.11	108.27
31	hD	202	PEB	C2A-C1A-NA	3.29	111.11	108.27
31	U2	202	PEB	CHC-C4C-C3C	-3.29	124.73	130.34
31	CA	202	PEB	OD-C4D-ND	-3.29	121.06	125.93
31	U9	202	PEB	OD-C4D-ND	-3.29	121.06	125.93
31	ZI	303	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	Q4	203	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	BG	202	PEB	C3B-C4B-NB	3.29	114.83	110.05
31	R6	202	PEB	OD-C4D-ND	-3.29	121.06	125.93
32	yF	303	PUB	OA-C1A-NA	-3.29	121.06	125.93
31	P6	201	PEB	C4B-C3B-C2B	-3.29	103.14	106.78
31	e8	201	PEB	CHA-C1B-NB	-3.29	118.06	124.93
31	SH	201	PEB	CMB-C2B-C1B	3.29	130.12	125.06
31	XF	202	PEB	OA-C1A-C2A	-3.29	123.56	126.17
31	R5	202	PEB	C3D-C4D-ND	3.29	113.71	107.26
33	C2	1001	CYC	CMB-C2B-C1B	3.29	128.27	124.17
31	cB	203	PEB	C3B-C4B-NB	3.29	114.83	110.05
31	hE	202	PEB	C3B-C4B-NB	3.29	114.83	110.05
31	iF	202	PEB	C1B-C2B-C3B	-3.29	102.73	106.51
31	S6	201	PEB	CHC-C1D-ND	-3.29	110.13	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	mF	202	PEB	CHC-C1D-ND	-3.29	110.13	113.95
31	bD	202	PEB	OD-C4D-ND	-3.29	121.06	125.93
31	N1	203	PEB	C2A-C1A-NA	3.29	111.11	108.27
31	FI	202	PEB	C1B-C2B-C3B	-3.29	102.74	106.51
31	L5	203	PEB	C1B-C2B-C3B	-3.29	102.74	106.51
31	J5	202	PEB	C1B-C2B-C3B	-3.29	102.74	106.51
31	UG	201	PEB	CBC-CAC-C2C	-3.29	107.01	112.62
31	M9	303	PEB	OD-C4D-ND	-3.28	121.06	125.93
31	O8	202	PEB	CHB-C4B-C3B	-3.28	117.73	125.32
31	WD	202	PEB	CHC-C4C-C3C	-3.28	124.73	130.34
31	Q7	201	PEB	CHC-C4C-C3C	-3.28	124.73	130.34
31	C8	201	PEB	CHA-C1B-NB	-3.28	118.06	124.93
31	VJ	202	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	c6	202	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	SI	203	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	G7	203	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	hD	202	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	OI	202	PEB	CBC-CAC-C2C	3.28	118.22	112.62
31	Y8	201	PEB	CMB-C2B-C1B	3.28	130.12	125.06
31	i2	202	PEB	OA-C1A-C2A	-3.28	123.56	126.17
31	O7	202	PEB	OA-C1A-C2A	-3.28	123.56	126.17
31	dD	201	PEB	C1B-C2B-C3B	-3.28	102.74	106.51
31	A8	202	PEB	OD-C4D-ND	-3.28	121.07	125.93
33	D6	1001	CYC	C2A-C1A-NA	3.28	114.83	110.05
31	e8	202	PEB	CHA-C1B-NB	-3.28	118.06	124.93
31	PC	202	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	RD	201	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	H9	203	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	c8	203	PEB	CHC-C1D-ND	-3.28	110.14	113.95
31	RI	202	PEB	C2A-C1A-NA	3.28	111.10	108.27
33	J6	1001	CYC	C2C-C1C-NC	3.28	111.10	108.27
31	j8	202	PEB	OD-C4D-ND	-3.28	121.07	125.93
31	f6	201	PEB	OA-C1A-C2A	-3.28	123.56	126.17
31	D9	203	PEB	CMB-C2B-C1B	3.28	130.12	125.06
31	fE	202	PEB	CMB-C2B-C1B	3.28	130.12	125.06
31	gH	202	PEB	CAB-C3B-C4B	3.28	130.82	125.01
31	dF	201	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	sF	203	PEB	C4B-C3B-C2B	-3.28	103.15	106.78
31	Q8	201	PEB	CHC-C1D-ND	-3.28	110.14	113.95
31	HB	1002	PEB	C3B-C4B-NB	3.28	114.82	110.05
31	Q5	201	PEB	C3B-C4B-NB	3.28	114.82	110.05
31	eD	201	PEB	CHA-C1B-NB	-3.28	118.07	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OJ	201	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	b7	503	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	dA	201	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	B5	202	PEB	CHC-C4C-C3C	-3.28	124.74	130.34
33	JC	1001	CYC	C1B-NB-C4B	-3.28	106.49	110.67
31	M5	202	PEB	OA-C1A-C2A	-3.28	123.56	126.17
31	A1	201	PEB	C3D-C4D-ND	3.28	113.70	107.26
31	W8	202	PEB	C3B-C4B-NB	3.28	114.82	110.05
31	b6	201	PEB	CAB-CBB-CGB	-3.28	106.54	113.60
31	UE	202	PEB	CHB-C4B-NB	-3.28	124.28	128.83
31	PJ	203	PEB	C3B-C4B-NB	3.28	114.82	110.05
31	SA	202	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	t8	202	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	q8	203	PEB	OA-C1A-C2A	-3.28	123.56	126.17
33	M6	1001	CYC	CHA-C1A-NA	-3.28	124.28	128.83
31	aF	202	PEB	OD-C4D-ND	-3.28	121.07	125.93
31	O6	201	PEB	CHA-C1B-NB	-3.28	118.07	124.93
31	PH	202	PEB	CHC-C4C-C3C	-3.28	124.74	130.34
31	GG	201	PEB	CMB-C2B-C1B	3.28	130.11	125.06
31	M7	201	PEB	OD-C4D-ND	-3.28	121.07	125.93
31	G8	203	PEB	CHC-C1D-ND	-3.28	110.14	113.95
31	YB	202	PEB	C3B-C4B-NB	3.28	114.82	110.05
31	AG	203	PEB	CMB-C2B-C1B	3.28	130.11	125.06
31	i4	202	PEB	OD-C4D-ND	-3.28	121.07	125.93
31	MF	202	PEB	C1B-C2B-C3B	-3.28	102.75	106.51
31	QE	203	PEB	OD-C4D-ND	-3.28	121.08	125.93
31	P7	201	PEB	OD-C4D-ND	-3.28	121.08	125.93
31	FK	201	PEB	CHB-C4B-NB	-3.28	124.28	128.83
31	L4	202	PEB	CHC-C4C-C3C	-3.28	124.75	130.34
31	TD	201	PEB	C4B-C3B-C2B	-3.28	103.16	106.78
31	YB	201	PEB	OD-C4D-ND	-3.28	121.08	125.93
31	Z2	203	PEB	OD-C4D-ND	-3.28	121.08	125.93
31	J7	202	PEB	OD-C4D-ND	-3.28	121.08	125.93
31	I7	201	PEB	C3B-C4B-NB	3.28	114.81	110.05
31	BA	202	PEB	CMB-C2B-C1B	3.28	130.11	125.06
31	f2	202	PEB	OD-C4D-ND	-3.28	121.08	125.93
31	dB	201	PEB	OD-C4D-ND	-3.28	121.08	125.93
31	S9	201	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	cH	201	PEB	C2A-C1A-NA	3.28	111.10	108.27
31	Y4	201	PEB	C4B-C3B-C2B	-3.28	103.16	106.78
33	C3	1001	CYC	C1B-CHB-C4A	3.28	136.08	128.08
31	D9	201	PEB	C1B-C2B-C3B	-3.28	102.75	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	BE	1002	CYC	C4A-C3A-C2A	-3.28	102.75	106.51
31	TH	201	PEB	CMB-C2B-C1B	3.28	130.11	125.06
31	cA	402	PEB	C3B-C4B-NB	3.27	114.81	110.05
31	L1	202	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
31	UB	201	PEB	OD-C4D-C3D	-3.27	122.04	129.46
31	aH	203	PEB	C2A-C1A-NA	3.27	111.10	108.27
31	S2	202	PEB	CHA-C1B-NB	-3.27	118.08	124.93
31	MI	304	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	GK	202	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	jB	202	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	X1	203	PEB	CMB-C2B-C1B	3.27	130.11	125.06
31	WF	202	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
31	E4	202	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
31	m8	202	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
31	B9	202	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
31	S4	203	PEB	OA-C1A-C2A	-3.27	123.57	126.17
31	aH	201	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	FG	201	PEB	C2A-C1A-NA	3.27	111.09	108.27
31	II	202	PEB	C2A-C1A-NA	3.27	111.09	108.27
31	D4	201	PEB	CHC-C1D-ND	-3.27	110.15	113.95
31	fC	202	PEB	CHA-C1B-NB	-3.27	118.09	124.93
31	A7	203	PEB	OD-C4D-C3D	-3.27	122.04	129.46
31	c6	201	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	h4	202	PEB	CAB-CBB-CGB	-3.27	106.56	113.60
31	DH	201	PEB	OA-C1A-C2A	-3.27	123.57	126.17
31	QI	202	PEB	OA-C1A-C2A	-3.27	123.57	126.17
31	iD	201	PEB	OA-C1A-C2A	-3.27	123.57	126.17
31	DH	202	PEB	OD-C4D-ND	-3.27	121.08	125.93
31	BK	203	PEB	OD-C4D-ND	-3.27	121.08	125.93
31	DA	202	PEB	C2A-C1A-NA	3.27	111.09	108.27
31	C7	201	PEB	CHA-C1B-NB	-3.27	118.09	124.93
31	PB	202	PEB	C3B-C4B-NB	3.27	114.81	110.05
31	a6	201	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
31	S1	202	PEB	C3D-C4D-ND	3.27	113.68	107.26
31	a4	201	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	a4	204	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	gH	201	PEB	OD-C4D-ND	-3.27	121.08	125.93
32	A5	303	PUB	OA-C1A-NA	-3.27	121.08	125.93
31	J1	202	PEB	C3B-C4B-NB	3.27	114.81	110.05
33	DB	1001	CYC	C2A-C1A-NA	3.27	114.81	110.05
32	Z9	305	PUB	CBA-CAA-C3A	-3.27	108.02	112.98
31	XA	202	PEB	C4B-C3B-C2B	-3.27	103.16	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	CH	203	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
33	HB	1001	CYC	C2C-C1C-NC	3.27	111.09	108.27
31	WF	203	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	PJ	203	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	E4	201	PEB	CHA-C1B-NB	-3.27	118.09	124.93
31	R4	201	PEB	C4B-C3B-C2B	-3.27	103.16	106.78
31	K8	203	PEB	CMB-C2B-C1B	3.27	130.10	125.06
31	iB	202	PEB	C3B-C4B-NB	3.27	114.81	110.05
31	hD	202	PEB	C3B-C4B-NB	3.27	114.81	110.05
31	KI	202	PEB	C2A-C1A-NA	3.27	111.09	108.27
31	f8	202	PEB	C2A-C1A-NA	3.27	111.09	108.27
31	fD	203	PEB	C2A-C1A-NA	3.27	111.09	108.27
31	aF	201	PEB	OA-C1A-C2A	-3.27	123.57	126.17
33	J3	1001	CYC	C1B-CHB-C4A	3.27	136.07	128.08
33	N3	1001	CYC	C1B-CHB-C4A	3.27	136.07	128.08
33	v3	1001	CYC	C1B-CHB-C4A	3.27	136.07	128.08
31	OD	201	PEB	CHA-C1B-NB	-3.27	118.09	124.93
33	FC	1001	CYC	C1B-NB-C4B	-3.27	106.51	110.67
31	YH	203	PEB	C3B-C4B-NB	3.27	114.81	110.05
31	JJ	202	PEB	C1B-C2B-C3B	-3.27	102.75	106.51
31	CJ	201	PEB	CHB-C4B-NB	-3.27	124.29	128.83
31	d2	201	PEB	CHA-C1B-NB	-3.27	118.09	124.93
33	DC	1003	CYC	CMA-C3A-C4A	3.27	130.10	125.06
31	mH	202	PEB	C3B-C4B-NB	3.27	114.80	110.05
31	OE	201	PEB	OA-C1A-C2A	-3.27	123.57	126.17
31	x8	302	PEB	OD-C4D-ND	-3.27	121.09	125.93
31	hF	202	PEB	CHB-C4B-NB	-3.27	124.29	128.83
31	J1	203	PEB	CHC-C1D-ND	-3.27	110.15	113.95
33	I6	1001	CYC	C2A-C1A-NA	3.27	114.80	110.05
31	P2	201	PEB	OD-C4D-ND	-3.27	121.09	125.93
31	TF	202	PEB	CHB-C4B-C3B	-3.27	117.77	125.32
31	M5	202	PEB	CHB-C4B-NB	-3.27	124.29	128.83
31	TB	201	PEB	C4B-C3B-C2B	-3.27	103.17	106.78
31	f4	201	PEB	C4B-C3B-C2B	-3.27	103.17	106.78
31	Z2	203	PEB	CHC-C4C-C3C	-3.27	124.76	130.34
31	R7	201	PEB	CHC-C1D-ND	-3.27	110.15	113.95
31	fF	202	PEB	CMC-C3C-C2C	-3.27	118.78	124.94
33	JC	1003	CYC	CMA-C3A-C4A	3.27	130.09	125.06
33	LE	1001	CYC	OB-C4B-C3B	-3.27	124.50	128.04
31	QI	201	PEB	CHC-C4C-C3C	-3.27	124.77	130.34
31	WF	203	PEB	C3B-C4B-NB	3.27	114.80	110.05
31	VI	202	PEB	C2A-C1A-NA	3.27	111.09	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	c3	1001	CYC	C1B-CHB-C4A	3.27	136.06	128.08
31	j6	202	PEB	OD-C4D-C3D	-3.27	122.06	129.46
31	l2	202	PEB	C4B-C3B-C2B	-3.27	103.17	106.78
31	W2	203	PEB	OD-C4D-ND	-3.27	121.09	125.93
31	f8	202	PEB	CMC-C3C-C2C	-3.27	118.78	124.94
33	KE	202	CYC	C1B-NB-C4B	-3.27	106.51	110.67
31	d4	202	PEB	C2A-C1A-NA	3.27	111.09	108.27
33	r3	1001	CYC	C1B-CHB-C4A	3.27	136.06	128.08
31	Y4	201	PEB	C1B-C2B-C3B	-3.27	102.76	106.51
31	KF	203	PEB	CMB-C2B-C1B	3.26	130.09	125.06
31	L4	201	PEB	C4B-C3B-C2B	-3.26	103.17	106.78
31	H4	202	PEB	CBB-CAB-C3B	3.26	121.70	112.63
31	YE	202	PEB	CHC-C1D-ND	-3.26	110.16	113.95
31	hE	201	PEB	OD-C4D-C3D	-3.26	122.06	129.46
31	B1	202	PEB	CMB-C2B-C1B	3.26	130.09	125.06
33	g3	1001	CYC	C1B-CHB-C4A	3.26	136.06	128.08
31	W4	201	PEB	CHA-C1B-C2B	3.26	133.29	124.90
31	E7	203	PEB	C4B-C3B-C2B	-3.26	103.17	106.78
31	U2	203	PEB	CHC-C4C-C3C	-3.26	124.77	130.34
31	Q1	202	PEB	C3B-C4B-NB	3.26	114.80	110.05
31	B9	201	PEB	OD-C4D-C3D	-3.26	122.07	129.46
31	cB	202	PEB	OD-C4D-C3D	-3.26	122.07	129.46
31	eD	201	PEB	C4B-C3B-C2B	-3.26	103.17	106.78
31	CF	203	PEB	C2A-C1A-NA	3.26	111.09	108.27
31	GA	201	PEB	CHC-C1D-ND	-3.26	110.16	113.95
33	T3	1001	CYC	C1B-CHB-C4A	3.26	136.05	128.08
31	eE	202	PEB	C1B-C2B-C3B	-3.26	102.76	106.51
31	J8	202	PEB	OD-C4D-ND	-3.26	121.10	125.93
33	FD	202	CYC	C1B-C2B-C3B	-3.26	104.47	107.87
31	W2	201	PEB	C3B-C4B-NB	3.26	114.79	110.05
31	i6	202	PEB	C3B-C4B-NB	3.26	114.79	110.05
31	E7	203	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	O4	203	PEB	C1B-C2B-C3B	-3.26	102.76	106.51
31	AE	301	PEB	C4B-C3B-C2B	-3.26	103.17	106.78
31	mF	202	PEB	C4B-C3B-C2B	-3.26	103.17	106.78
31	I7	201	PEB	CHA-C1B-NB	-3.26	118.11	124.93
31	Z2	203	PEB	C3B-C4B-NB	3.26	114.79	110.05
31	nF	202	PEB	C3B-C4B-NB	3.26	114.79	110.05
31	O8	203	PEB	CHB-C4B-NB	-3.26	124.30	128.83
31	RD	202	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	XF	202	PEB	C1B-C2B-C3B	-3.26	102.76	106.51
31	fE	203	PEB	C1B-C2B-C3B	-3.26	102.76	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	R7	201	PEB	C3B-C4B-NB	3.26	114.79	110.05
33	LC	1003	CYC	C2A-C1A-NA	3.26	114.79	110.05
33	BE	1002	CYC	CMB-C2B-C1B	3.26	128.24	124.17
31	i4	201	PEB	C4B-C3B-C2B	-3.26	103.17	106.78
31	N5	202	PEB	CHC-C4C-C3C	-3.26	124.78	130.34
31	PB	202	PEB	OD-C4D-ND	-3.26	121.10	125.93
31	ZF	201	PEB	OA-C1A-C2A	-3.26	123.58	126.17
31	g8	202	PEB	C3B-C4B-NB	3.26	114.79	110.05
33	N6	1001	CYC	C2A-C1A-NA	3.26	114.79	110.05
31	WH	202	PEB	C3D-C4D-ND	3.26	113.66	107.26
31	W1	202	PEB	C3D-C4D-ND	3.26	113.66	107.26
31	E7	201	PEB	C1B-C2B-C3B	-3.26	102.77	106.51
31	U4	201	PEB	CHB-C4B-NB	-3.26	124.31	128.83
31	DJ	201	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	hE	201	PEB	C2A-C1A-NA	3.26	111.08	108.27
33	LD	1001	CYC	OB-C4B-C3B	-3.26	124.50	128.04
33	R3	1001	CYC	C1B-CHB-C4A	3.26	136.04	128.08
31	mF	202	PEB	C3B-C4B-NB	3.26	114.79	110.05
33	MB	1001	CYC	C2A-C1A-NA	3.26	114.79	110.05
31	IJ	201	PEB	CMB-C2B-C1B	3.26	130.08	125.06
31	S4	203	PEB	OD-C4D-ND	-3.26	121.10	125.93
31	e4	201	PEB	OD-C4D-ND	-3.26	121.10	125.93
31	A6	301	PEB	OD-C4D-ND	-3.26	121.10	125.93
31	QF	201	PEB	CHC-C1D-ND	-3.26	110.16	113.95
33	t3	1001	CYC	C1B-CHB-C4A	3.26	136.04	128.08
31	X8	202	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	Y8	202	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	cF	203	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	QA	201	PEB	CHB-C4B-NB	-3.26	124.31	128.83
31	WC	202	PEB	C1B-C2B-C3B	-3.26	102.77	106.51
31	cB	201	PEB	C1B-C2B-C3B	-3.26	102.77	106.51
31	Q4	203	PEB	CMB-C2B-C1B	3.26	130.08	125.06
31	ZC	203	PEB	CHC-C4C-C3C	-3.26	124.78	130.34
31	AC	302	PEB	OA-C1A-C2A	-3.26	123.58	126.17
33	p3	1001	CYC	C1B-CHB-C4A	3.26	136.04	128.08
31	H2	1002	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	M4	201	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	a6	203	PEB	C3B-C4B-NB	3.26	114.79	110.05
31	TC	201	PEB	CHC-C1D-ND	-3.26	110.17	113.95
31	fC	202	PEB	OD-C4D-ND	-3.26	121.11	125.93
33	HB	1001	CYC	O2A-CGA-CBA	3.26	124.49	114.03
31	kF	202	PEB	CHC-C4C-C3C	-3.26	124.78	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RE	202	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	SH	202	PEB	C2A-C1A-NA	3.26	111.08	108.27
31	hB	201	PEB	CHB-C4B-C3B	-3.26	117.80	125.32
31	JG	201	PEB	CAA-C3A-C2A	-3.26	106.12	114.26
31	UE	201	PEB	C3B-C4B-NB	3.26	114.78	110.05
31	L9	201	PEB	C3B-C4B-NB	3.26	114.78	110.05
31	l4	203	PEB	C1B-C2B-C3B	-3.26	102.77	106.51
31	e8	202	PEB	CHC-C1D-ND	-3.26	110.17	113.95
31	fF	202	PEB	CHC-C1D-ND	3.26	117.73	113.95
31	AK	202	PEB	CMB-C2B-C1B	3.26	130.08	125.06
31	QJ	201	PEB	C4B-C3B-C2B	-3.26	103.18	106.78
31	W7	201	PEB	C2A-C1A-NA	3.25	111.08	108.27
31	K7	202	PEB	CHB-C4B-C3B	-3.25	117.80	125.32
31	M7	202	PEB	CHC-C1D-ND	-3.25	110.17	113.95
31	UI	201	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	W8	203	PEB	C3D-C4D-ND	3.25	113.64	107.26
31	MK	201	PEB	C4B-C3B-C2B	-3.25	103.18	106.78
31	JF	202	PEB	CHA-C1B-NB	-3.25	118.13	124.93
33	i3	1001	CYC	C1B-CHB-C4A	3.25	136.03	128.08
31	KJ	202	PEB	CMB-C2B-C1B	3.25	130.07	125.06
31	jB	202	PEB	CMB-C2B-C1B	3.25	130.07	125.06
31	uF	202	PEB	CHC-C4C-C3C	-3.25	124.79	130.34
31	JC	1002	PEB	C2A-C1A-NA	3.25	111.08	108.27
31	RA	201	PEB	CAB-CBB-CGB	-3.25	106.60	113.60
31	U4	202	PEB	C1B-C2B-C3B	-3.25	102.77	106.51
31	ZF	202	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	SC	202	PEB	CHA-C1B-NB	-3.25	118.13	124.93
31	D7	202	PEB	OD-C4D-ND	-3.25	121.11	125.93
32	K1	203	PUB	OD-C4D-ND	-3.25	121.11	125.93
31	JJ	203	PEB	CHC-C4C-C3C	-3.25	124.79	130.34
31	UA	301	PEB	C4B-C3B-C2B	-3.25	103.18	106.78
31	l4	202	PEB	C4B-C3B-C2B	-3.25	103.18	106.78
31	J7	202	PEB	C4B-C3B-C2B	-3.25	103.18	106.78
31	h4	202	PEB	CHA-C1B-NB	-3.25	118.13	124.93
31	d4	202	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	M8	201	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	f8	202	PEB	CHC-C1D-ND	3.25	117.72	113.95
31	eF	202	PEB	CHA-C1B-NB	-3.25	118.13	124.93
31	eB	201	PEB	C2A-C1A-NA	3.25	111.08	108.27
33	E3	1001	CYC	C1B-CHB-C4A	3.25	136.03	128.08
33	P3	1001	CYC	C1B-CHB-C4A	3.25	136.03	128.08
31	Y5	201	PEB	OA-C1A-C2A	-3.25	123.59	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	CA	201	PEB	C4B-C3B-C2B	-3.25	103.18	106.78
31	V7	202	PEB	C4B-C3B-C2B	-3.25	103.18	106.78
31	k4	201	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	I8	201	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	hE	203	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	c8	202	PEB	CHC-C1D-ND	-3.25	110.17	113.95
31	m8	202	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	ZH	202	PEB	CHC-C4C-C3C	-3.25	124.79	130.34
31	MF	201	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	Q1	201	PEB	CHA-C4A-NA	3.25	129.07	125.20
31	G7	201	PEB	C1B-C2B-C3B	-3.25	102.78	106.51
31	X8	202	PEB	C1B-C2B-C3B	-3.25	102.78	106.51
31	OE	202	PEB	CHC-C4C-C3C	-3.25	124.79	130.34
31	u8	201	PEB	CHC-C4C-C3C	-3.25	124.79	130.34
31	IH	202	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	mH	201	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	gA	201	PEB	CAA-C3A-C2A	-3.25	106.14	114.26
31	X1	203	PEB	CAC-CBC-CGC	-3.25	104.65	113.76
31	U5	201	PEB	CMB-C2B-C1B	3.25	130.07	125.06
31	M9	302	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	J5	203	PEB	CHC-C4C-C3C	-3.25	124.79	130.34
31	T8	202	PEB	CHB-C4B-C3B	-3.25	117.81	125.32
31	m4	202	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	d6	201	PEB	C1B-C2B-C3B	-3.25	102.78	106.51
31	W8	203	PEB	C1B-C2B-C3B	-3.25	102.78	106.51
31	dB	201	PEB	C1B-C2B-C3B	-3.25	102.78	106.51
31	A6	304	PEB	OD-C4D-ND	-3.25	121.11	125.93
31	PH	201	PEB	CMB-C2B-C1B	3.25	130.07	125.06
31	FC	1002	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	OK	201	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
32	w8	304	PUB	C1C-C2C-C3C	-3.25	103.19	106.78
31	UJ	201	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	UG	201	PEB	OD-C4D-ND	-3.25	121.12	125.93
31	AE	304	PEB	CHA-C1B-NB	-3.25	118.14	124.93
31	F9	202	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	J9	203	PEB	C3B-C4B-NB	3.25	114.78	110.05
31	E4	203	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	R7	201	PEB	CHC-C4C-C3C	-3.25	124.80	130.34
33	CC	1001	CYC	C4A-C3A-C2A	-3.25	102.78	106.51
33	G3	1001	CYC	C1B-CHB-C4A	3.25	136.02	128.08
31	WE	201	PEB	CHC-C4C-C3C	-3.25	124.80	130.34
31	LG	201	PEB	C2A-C1A-NA	3.25	111.07	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	HI	203	PEB	C2A-C1A-NA	3.25	111.07	108.27
33	D6	1001	CYC	C4A-C3A-C2A	-3.25	102.78	106.51
31	WC	203	PEB	OD-C4D-ND	-3.25	121.12	125.93
31	Z8	201	PEB	OD-C4D-ND	-3.25	121.12	125.93
31	aB	203	PEB	C3B-C4B-NB	3.25	114.77	110.05
31	D9	202	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	eB	202	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
33	H6	1001	CYC	O2A-CGA-CBA	3.25	124.46	114.03
32	K1	203	PUB	OA-C1A-NA	-3.25	121.12	125.93
31	DF	201	PEB	C3B-C4B-NB	3.25	114.77	110.05
31	mF	201	PEB	C3B-C4B-NB	3.25	114.77	110.05
31	R5	201	PEB	C1B-C2B-C3B	-3.25	102.78	106.51
33	DB	1001	CYC	C4A-C3A-C2A	-3.25	102.78	106.51
31	P8	202	PEB	CHB-C4B-C3B	-3.25	117.82	125.32
31	dJ	401	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	VC	201	PEB	CHC-C4C-C3C	-3.25	124.80	130.34
31	eD	203	PEB	CHA-C1B-C2B	3.25	133.25	124.90
32	KK	203	PUB	OD-C4D-ND	-3.25	121.12	125.93
31	kD	201	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	eE	201	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	kE	202	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	aH	201	PEB	C4B-C3B-C2B	-3.25	103.19	106.78
31	QK	201	PEB	CBB-CAB-C3B	-3.25	103.61	112.63
31	F8	202	PEB	OA-C1A-C2A	-3.24	123.59	126.17
31	P6	202	PEB	OD-C4D-ND	-3.24	121.12	125.93
31	a4	204	PEB	C2A-C1A-NA	3.24	111.07	108.27
31	Y9	202	PEB	C4B-C3B-C2B	-3.24	103.19	106.78
31	E1	202	PEB	C1B-C2B-C3B	-3.24	102.78	106.51
31	U2	203	PEB	C1B-C2B-C3B	-3.24	102.78	106.51
31	ZH	202	PEB	C3B-C4B-NB	3.24	114.77	110.05
31	F4	202	PEB	C3B-C4B-NB	3.24	114.77	110.05
31	wF	303	PEB	C3B-C4B-NB	3.24	114.77	110.05
31	K7	202	PEB	CHA-C1B-NB	-3.24	118.15	124.93
33	73	1002	CYC	C2B-C1B-NB	3.24	111.74	106.99
31	NH	202	PEB	C3B-C4B-NB	3.24	114.77	110.05
31	P7	202	PEB	C4B-C3B-C2B	-3.24	103.19	106.78
31	a8	201	PEB	C4B-C3B-C2B	-3.24	103.19	106.78
31	TB	202	PEB	C1B-C2B-C3B	-3.24	102.78	106.51
31	W1	202	PEB	C1B-C2B-C3B	-3.24	102.78	106.51
31	M8	202	PEB	C1B-C2B-C3B	-3.24	102.78	106.51
31	jE	201	PEB	C1B-C2B-C3B	-3.24	102.78	106.51
33	A3	1001	CYC	C1B-CHB-C4A	3.24	136.00	128.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	e3	1001	CYC	C1B-CHB-C4A	3.24	136.00	128.08
31	FK	201	PEB	C4B-C3B-C2B	-3.24	103.19	106.78
31	H7	201	PEB	C4B-C3B-C2B	-3.24	103.19	106.78
31	PC	201	PEB	C1B-C2B-C3B	-3.24	102.78	106.51
31	NH	201	PEB	CHA-C4A-NA	3.24	129.06	125.20
32	x8	305	PUB	CHA-C1B-C2B	-3.24	124.81	130.34
31	LK	201	PEB	C2A-C1A-NA	3.24	111.07	108.27
31	B8	202	PEB	C2A-C1A-NA	3.24	111.07	108.27
33	K3	1001	CYC	C1B-CHB-C4A	3.24	136.00	128.08
31	V6	201	PEB	OD-C4D-ND	-3.24	121.13	125.93
31	I7	203	PEB	C3B-C4B-NB	3.24	114.77	110.05
33	IB	1001	CYC	C2A-C1A-NA	3.24	114.77	110.05
31	I5	201	PEB	CMB-C2B-C1B	3.24	130.06	125.06
33	EB	1001	CYC	C4A-C3A-C2A	-3.24	102.79	106.51
33	HD	1001	CYC	C4A-C3A-C2A	-3.24	102.79	106.51
31	S2	201	PEB	C4B-C3B-C2B	-3.24	103.19	106.78
31	O7	202	PEB	OD-C4D-ND	-3.24	121.13	125.93
31	WB	201	PEB	CHA-C4A-NA	3.24	129.06	125.20
33	N6	1001	CYC	C2B-C1B-NB	3.24	111.73	106.99
31	AE	304	PEB	C1C-CHB-C4B	-3.24	124.94	128.81
31	J9	203	PEB	OA-C1A-C2A	-3.24	123.60	126.17
31	IC	202	PEB	OA-C1A-C2A	-3.24	123.60	126.17
31	M8	202	PEB	CHC-C4C-C3C	-3.24	124.81	130.34
31	A7	203	PEB	C2A-C1A-NA	3.24	111.07	108.27
31	e2	202	PEB	CMB-C2B-C1B	3.24	130.06	125.06
31	OD	202	PEB	OD-C4D-ND	-3.24	121.13	125.93
31	V1	202	PEB	OD-C4D-ND	-3.24	121.13	125.93
31	AE	304	PEB	C1B-C2B-C3B	-3.24	102.79	106.51
31	BH	301	PEB	C1B-C2B-C3B	-3.24	102.79	106.51
32	x8	301	PUB	CMD-C2D-C3D	3.24	132.63	127.77
31	O7	201	PEB	C3B-C4B-NB	3.24	114.76	110.05
32	Z9	305	PUB	C1C-C2C-C3C	-3.24	103.20	106.78
31	WA	402	PEB	CHB-C4B-NB	-3.24	124.33	128.83
33	l3	1001	CYC	C1B-CHB-C4A	3.24	136.00	128.08
31	PK	202	PEB	OD-C4D-ND	-3.24	121.13	125.93
31	PA	201	PEB	C3B-C4B-NB	3.24	114.76	110.05
31	H7	202	PEB	C2A-C1A-NA	3.24	111.07	108.27
31	K7	201	PEB	C2A-C1A-NA	3.24	111.07	108.27
31	XA	201	PEB	C1B-C2B-C3B	-3.24	102.79	106.51
31	I4	201	PEB	C1B-C2B-C3B	-3.24	102.79	106.51
31	E8	201	PEB	CHA-C1B-NB	-3.24	118.16	124.93
31	UJ	201	PEB	CMB-C2B-C1B	3.24	130.05	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	R5	202	PEB	OD-C4D-ND	-3.24	121.13	125.93
33	m3	1001	CYC	C1B-CHB-C4A	3.24	136.00	128.08
33	CB	1001	CYC	CHA-C1A-NA	-3.24	124.33	128.83
31	Z9	302	PEB	C4B-C3B-C2B	-3.24	103.20	106.78
31	J1	203	PEB	OD-C4D-ND	-3.24	121.13	125.93
31	AB	304	PEB	C2A-C1A-NA	3.24	111.06	108.27
31	RE	201	PEB	C3B-C4B-NB	3.24	114.76	110.05
31	K7	201	PEB	C3D-C4D-ND	3.24	113.61	107.26
31	eC	203	PEB	CMB-C2B-C1B	3.24	130.05	125.06
31	dE	201	PEB	CHA-C1B-NB	-3.24	118.16	124.93
31	bE	201	PEB	OD-C4D-ND	-3.24	121.13	125.93
31	Q5	201	PEB	CHC-C1D-ND	-3.24	110.19	113.95
31	lE	201	PEB	C1B-C2B-C3B	-3.24	102.79	106.51
31	A7	202	PEB	C3B-C4B-NB	3.24	114.76	110.05
31	gA	202	PEB	C3B-C4B-NB	3.24	114.76	110.05
31	i6	202	PEB	C4B-C3B-C2B	-3.24	103.20	106.78
31	t8	203	PEB	C4B-C3B-C2B	-3.24	103.20	106.78
31	NB	1002	PEB	CMB-C2B-C1B	3.24	130.05	125.06
31	aD	202	PEB	C2A-C1A-NA	3.24	111.06	108.27
31	I8	201	PEB	CAC-C2C-C3C	3.24	136.55	127.25
31	Q7	201	PEB	CHB-C4B-NB	-3.24	124.34	128.83
31	W5	202	PEB	OA-C1A-C2A	-3.24	123.60	126.17
31	QK	202	PEB	C3B-C4B-NB	3.24	114.76	110.05
31	T5	201	PEB	C4B-C3B-C2B	-3.24	103.20	106.78
33	M6	1001	CYC	C1A-C2A-C3A	-3.24	103.20	106.78
31	JE	201	PEB	OD-C4D-C3D	-3.24	122.13	129.46
31	jB	202	PEB	OD-C4D-C3D	-3.24	122.13	129.46
31	EJ	201	PEB	OD-C4D-ND	-3.24	121.14	125.93
31	E5	201	PEB	OD-C4D-ND	-3.24	121.14	125.93
31	W6	201	PEB	CHA-C4A-NA	3.24	129.05	125.20
31	GF	203	PEB	C3D-C4D-ND	3.24	113.61	107.26
31	G4	203	PEB	C1B-C2B-C3B	-3.24	102.79	106.51
33	E6	1001	CYC	CBD-CAD-C3D	-3.24	107.10	112.62
31	SF	201	PEB	OD-C4D-ND	-3.24	121.14	125.93
31	q8	202	PEB	OD-C4D-ND	-3.24	121.14	125.93
31	H1	202	PEB	CHB-C4B-NB	-3.24	124.34	128.83
31	D5	201	PEB	C2A-C1A-NA	3.24	111.06	108.27
31	I5	202	PEB	C2A-C1A-NA	3.24	111.06	108.27
31	SC	201	PEB	C4B-C3B-C2B	-3.24	103.20	106.78
31	L4	201	PEB	CMB-C2B-C1B	3.24	130.05	125.06
31	M4	201	PEB	C3B-C4B-NB	3.24	114.75	110.05
31	A7	201	PEB	CHA-C1B-NB	-3.23	118.17	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	T8	202	PEB	OA-C1A-C2A	-3.23	123.60	126.17
31	YE	201	PEB	C1C-CHB-C4B	3.23	132.67	128.81
31	B8	202	PEB	C1B-C2B-C3B	-3.23	102.79	106.51
31	S9	201	PEB	CMB-C2B-C1B	3.23	130.04	125.06
31	WC	201	PEB	C3B-C4B-NB	3.23	114.75	110.05
31	OH	203	PEB	C3B-C4B-NB	3.23	114.75	110.05
31	UI	201	PEB	CHC-C4C-C3C	-3.23	124.82	130.34
31	AD	304	PEB	CHA-C1B-NB	-3.23	118.17	124.93
31	P8	202	PEB	C3B-C4B-NB	3.23	114.75	110.05
31	NG	203	PEB	OD-C4D-C3D	-3.23	122.13	129.46
31	aB	201	PEB	C4B-C3B-C2B	-3.23	103.20	106.78
31	L9	202	PEB	OD-C4D-ND	-3.23	121.14	125.93
31	L4	201	PEB	C2A-C1A-NA	3.23	111.06	108.27
33	EB	1001	CYC	CBD-CAD-C3D	-3.23	107.10	112.62
31	RJ	202	PEB	C3D-C4D-ND	3.23	113.60	107.26
33	MB	1001	CYC	C4A-C3A-C2A	-3.23	102.80	106.51
31	YF	201	PEB	CHA-C1B-NB	-3.23	118.17	124.93
31	N9	201	PEB	CMA-C2A-C1A	-3.23	105.44	112.40
31	AJ	304	PEB	CMB-C2B-C1B	3.23	130.04	125.06
31	K5	202	PEB	CMB-C2B-C1B	3.23	130.04	125.06
31	SC	202	PEB	C4B-C3B-C2B	-3.23	103.20	106.78
31	FH	201	PEB	CHA-C4A-NA	3.23	129.05	125.20
31	OD	202	PEB	CHC-C1D-ND	-3.23	110.19	113.95
31	AC	301	PEB	OD-C4D-ND	-3.23	121.14	125.93
31	P2	201	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	CJ	201	PEB	C4B-C3B-C2B	-3.23	103.21	106.78
31	R2	201	PEB	C4B-C3B-C2B	-3.23	103.21	106.78
31	O9	201	PEB	C4B-C3B-C2B	-3.23	103.21	106.78
31	ZA	203	PEB	CBB-CAB-C3B	-3.23	103.65	112.63
31	gA	203	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	HE	1002	PEB	OA-C1A-C2A	-3.23	123.60	126.17
31	C5	201	PEB	C4B-C3B-C2B	-3.23	103.21	106.78
31	Y8	203	PEB	OD-C4D-ND	-3.23	121.14	125.93
31	g8	203	PEB	OD-C4D-ND	-3.23	121.14	125.93
31	gB	201	PEB	C2A-C1A-NA	3.23	111.06	108.27
31	dC	201	PEB	CMB-C2B-C1B	3.23	130.04	125.06
31	YD	201	PEB	C1C-CHB-C4B	3.23	132.67	128.81
31	HK	202	PEB	CHB-C4B-NB	-3.23	124.35	128.83
31	ZI	304	PEB	CHA-C1B-C2B	3.23	133.21	124.90
31	hE	202	PEB	C4B-C3B-C2B	-3.23	103.21	106.78
31	kB	201	PEB	C3B-C4B-NB	3.23	114.75	110.05
31	O7	203	PEB	CHB-C4B-NB	-3.23	124.35	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y2	201	PEB	C2A-C1A-NA	3.23	111.06	108.27
31	M1	202	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	WE	202	PEB	OD-C4D-ND	-3.23	121.15	125.93
31	D9	203	PEB	C3B-C4B-NB	3.23	114.75	110.05
31	MI	305	PEB	CHA-C1B-C2B	3.23	133.20	124.90
31	UH	203	PEB	CMB-C2B-C1B	3.23	130.04	125.06
31	mB	201	PEB	OD-C4D-ND	-3.23	121.15	125.93
31	dE	202	PEB	OA-C1A-C2A	-3.23	123.61	126.17
31	O6	202	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	EF	201	PEB	CHA-C1B-NB	-3.23	118.18	124.93
31	OD	202	PEB	CHC-C4C-C3C	-3.23	124.83	130.34
31	q8	203	PEB	CHB-C4B-NB	-3.23	124.35	128.83
31	ID	202	PEB	CMB-C2B-C1B	3.23	130.03	125.06
31	AB	301	PEB	OD-C4D-ND	-3.23	121.15	125.93
33	IE	1001	CYC	C1A-C2A-C3A	-3.23	103.21	106.78
31	iB	201	PEB	CHC-C1D-ND	-3.23	110.20	113.95
31	UA	304	PEB	CHA-C1B-C2B	3.23	133.20	124.90
31	YK	303	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	W9	202	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	fH	202	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	JK	202	PEB	C3B-C4B-NB	3.23	114.74	110.05
31	W8	203	PEB	C3B-C4B-NB	3.23	114.74	110.05
31	B9	203	PEB	C3B-C4B-NB	3.23	114.74	110.05
31	OF	203	PEB	CHB-C4B-NB	-3.23	124.35	128.83
31	L7	201	PEB	OD-C4D-ND	-3.23	121.15	125.93
31	WF	201	PEB	OA-C1A-C2A	-3.23	123.61	126.17
31	J2	1002	PEB	C2A-C1A-NA	3.23	111.06	108.27
32	YK	304	PUB	C1C-C2C-C3C	-3.23	103.21	106.78
32	M9	305	PUB	C1C-C2C-C3C	-3.23	103.21	106.78
31	G9	201	PEB	CMA-C2A-C1A	-3.23	105.45	112.40
33	D2	1001	CYC	CMB-C2B-C1B	3.23	128.20	124.17
31	K1	201	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	d2	203	PEB	C1B-C2B-C3B	-3.23	102.80	106.51
31	P9	201	PEB	CMA-C2A-C1A	-3.23	105.45	112.40
31	A2	305	PEB	C2A-C1A-NA	3.23	111.05	108.27
31	E4	201	PEB	C2A-C1A-NA	3.23	111.05	108.27
31	NJ	202	PEB	CHC-C4C-C3C	-3.23	124.83	130.34
31	BG	202	PEB	OD-C4D-C3D	-3.23	122.15	129.46
31	YB	201	PEB	C3B-C4B-NB	3.23	114.74	110.05
31	m8	201	PEB	C3B-C4B-NB	3.23	114.74	110.05
31	B5	202	PEB	C1C-CHB-C4B	3.23	132.66	128.81
31	DA	201	PEB	CHA-C1B-NB	-3.23	118.19	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N6	1002	PEB	CMB-C2B-C1B	3.23	130.03	125.06
32	AH	303	PUB	OA-C1A-NA	-3.23	121.15	125.93
31	FI	203	PEB	C4B-C3B-C2B	-3.23	103.21	106.78
31	UF	201	PEB	CHA-C1B-NB	-3.22	118.19	124.93
33	IE	1001	CYC	C2A-C1A-NA	3.22	114.74	110.05
31	w8	303	PEB	CMB-C2B-C1B	3.22	130.03	125.06
31	J9	201	PEB	CMB-C2B-C1B	3.22	130.03	125.06
31	R1	203	PEB	OA-C1A-C2A	-3.22	123.61	126.17
31	R9	201	PEB	CMA-C2A-C1A	-3.22	105.45	112.40
31	WF	203	PEB	C3D-C4D-ND	3.22	113.59	107.26
31	xF	304	PEB	OD-C4D-ND	-3.22	121.15	125.93
31	VA	201	PEB	C4B-C3B-C2B	-3.22	103.21	106.78
31	S4	202	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	gB	202	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	G5	202	PEB	CHC-C4C-C3C	-3.22	124.84	130.34
31	G7	202	PEB	CHB-C4B-C3B	-3.22	117.87	125.32
31	OE	202	PEB	OD-C4D-ND	-3.22	121.16	125.93
33	K2	201	CYC	CMA-C3A-C4A	3.22	130.03	125.06
33	ID	1001	CYC	C1A-C2A-C3A	-3.22	103.22	106.78
33	KE	202	CYC	C1A-C2A-C3A	-3.22	103.22	106.78
31	YF	202	PEB	C2A-C1A-NA	3.22	111.05	108.27
31	V4	201	PEB	C2A-C1A-NA	3.22	111.05	108.27
31	K8	203	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	UC	203	PEB	CHC-C4C-C3C	-3.22	124.84	130.34
31	Y4	201	PEB	CMB-C2B-C1B	3.22	130.03	125.06
31	U5	201	PEB	C3B-C4B-NB	3.22	114.74	110.05
31	j2	201	PEB	OD-C4D-ND	-3.22	121.16	125.93
33	M2	201	CYC	CMA-C3A-C4A	3.22	130.03	125.06
31	dC	203	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
33	BD	1002	CYC	CMB-C2B-C1B	3.22	128.19	124.17
31	i8	201	PEB	OD-C4D-ND	-3.22	121.16	125.93
33	i3	1001	CYC	CBD-CAD-C3D	-3.22	107.12	112.62
31	h6	201	PEB	CHB-C4B-C3B	-3.22	117.88	125.32
31	V9	201	PEB	CMA-C2A-C1A	-3.22	105.46	112.40
31	V2	203	PEB	C2A-C1A-NA	3.22	111.05	108.27
31	oF	203	PEB	CHA-C1B-NB	-3.22	118.20	124.93
31	G4	203	PEB	CHB-C4B-NB	-3.22	124.36	128.83
33	F2	1001	CYC	C1B-NB-C4B	-3.22	106.57	110.67
31	A9	201	PEB	CMA-C2A-C1A	-3.22	105.46	112.40
31	J4	202	PEB	CHC-C1D-ND	-3.22	110.21	113.95
31	e4	202	PEB	OD-C4D-ND	-3.22	121.16	125.93
31	aA	202	PEB	C4B-C3B-C2B	-3.22	103.22	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	mD	203	PEB	C4B-C3B-C2B	-3.22	103.22	106.78
31	Y1	303	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	j6	202	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
33	M6	1001	CYC	C4A-C3A-C2A	-3.22	102.81	106.51
31	U7	201	PEB	CMA-C2A-C1A	-3.22	105.46	112.40
31	RD	201	PEB	C3B-C4B-NB	3.22	114.73	110.05
31	I9	201	PEB	CMA-C2A-C1A	-3.22	105.46	112.40
31	V5	202	PEB	C2A-C1A-NA	3.22	111.05	108.27
33	BE	1001	CYC	C1B-C2B-C3B	-3.22	104.51	107.87
31	C5	201	PEB	CHB-C4B-NB	-3.22	124.36	128.83
31	SE	201	PEB	OD-C4D-ND	-3.22	121.16	125.93
31	d8	201	PEB	OD-C4D-ND	-3.22	121.16	125.93
31	RJ	203	PEB	OA-C1A-C2A	-3.22	123.61	126.17
31	AD	304	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	WD	201	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	WK	202	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	G7	201	PEB	C2A-C1A-NA	3.22	111.05	108.27
31	M7	203	PEB	C2A-C1A-NA	3.22	111.05	108.27
31	YF	203	PEB	OD-C4D-ND	-3.22	121.16	125.93
31	dD	201	PEB	CHA-C1B-NB	-3.22	118.20	124.93
31	T9	201	PEB	CMA-C2A-C1A	-3.22	105.47	112.40
31	h6	201	PEB	CMB-C2B-C1B	3.22	130.02	125.06
31	UD	201	PEB	C3B-C4B-NB	3.22	114.73	110.05
31	bB	202	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	FH	201	PEB	C4B-C3B-C2B	-3.22	103.22	106.78
31	aH	203	PEB	C4B-C3B-C2B	-3.22	103.22	106.78
31	UK	202	PEB	CHC-C4C-C3C	-3.22	124.85	130.34
31	TF	201	PEB	CHB-C4B-NB	-3.22	124.36	128.83
31	gC	202	PEB	CAA-C3A-C4A	3.22	120.93	112.67
33	E2	1001	CYC	CHB-C4A-C3A	3.22	133.17	124.90
31	K9	201	PEB	CMA-C2A-C1A	-3.22	105.47	112.40
31	fC	201	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	hH	203	PEB	C1B-C2B-C3B	-3.22	102.81	106.51
31	UE	201	PEB	C2A-C1A-NA	3.22	111.05	108.27
31	B5	203	PEB	C2A-C1A-NA	3.22	111.05	108.27
31	RJ	201	PEB	C1B-C2B-C3B	-3.22	102.82	106.51
31	WH	202	PEB	CHA-C1B-NB	-3.22	118.21	124.93
31	QK	201	PEB	CHA-C4A-NA	3.22	129.03	125.20
31	KA	303	PEB	CAB-CBB-CGB	-3.22	106.68	113.60
31	H4	202	PEB	OD-C4D-ND	-3.22	121.17	125.93
31	d2	201	PEB	CMB-C2B-C1B	3.21	130.01	125.06
31	QJ	201	PEB	CHC-C1D-ND	-3.21	110.21	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BF	202	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	I8	203	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	fD	203	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	AE	304	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	SA	202	PEB	OD-C4D-ND	-3.21	121.17	125.93
31	L5	201	PEB	OD-C4D-ND	-3.21	121.17	125.93
31	ND	201	PEB	C4B-C3B-C2B	-3.21	103.22	106.78
31	A7	202	PEB	C2A-C1A-NA	3.21	111.04	108.27
33	D6	1001	CYC	C2C-C1C-NC	3.21	111.04	108.27
31	F7	201	PEB	CHC-C4C-C3C	-3.21	124.86	130.34
31	Z4	202	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	UI	203	PEB	OD-C4D-ND	-3.21	121.17	125.93
31	F1	201	PEB	CHB-C4B-NB	-3.21	124.37	128.83
31	HA	202	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	L1	201	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	d4	203	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	R8	202	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	YI	202	PEB	OD-C4D-ND	-3.21	121.17	125.93
31	hH	202	PEB	OD-C4D-ND	-3.21	121.17	125.93
31	SH	202	PEB	CHC-C1D-ND	-3.21	110.22	113.95
31	PH	201	PEB	CHC-C1D-ND	3.21	117.68	113.95
31	P2	202	PEB	CMB-C2B-C1B	3.21	130.01	125.06
31	KF	203	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	QJ	202	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	UE	203	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	OH	203	PEB	OD-C4D-ND	-3.21	121.17	125.93
33	HB	1001	CYC	CMA-C3A-C4A	3.21	130.01	125.06
31	bE	201	PEB	CHC-C4C-C3C	-3.21	124.86	130.34
31	V7	201	PEB	CHA-C1B-NB	-3.21	118.21	124.93
31	Q7	202	PEB	C3D-C4D-ND	3.21	113.56	107.26
31	RC	201	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	AD	304	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	E7	201	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	WE	201	PEB	OD-C4D-C3D	-3.21	122.18	129.46
31	XG	202	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	GH	203	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	S7	202	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	yF	301	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	DI	202	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	A4	302	PEB	C2A-C1A-NA	3.21	111.04	108.27
33	BE	1002	CYC	C2C-C1C-NC	3.21	111.04	108.27
31	XJ	202	PEB	CHA-C1B-NB	-3.21	118.22	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	J8	202	PEB	CHA-C1B-NB	-3.21	118.22	124.93
31	HA	201	PEB	CMB-C2B-C1B	3.21	130.01	125.06
31	hB	201	PEB	CMB-C2B-C1B	3.21	130.01	125.06
31	OB	201	PEB	OD-C4D-ND	-3.21	121.17	125.93
31	C4	203	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	n8	202	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	Y8	201	PEB	CHA-C1B-NB	-3.21	118.22	124.93
31	NE	201	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	YF	202	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	YJ	202	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	D6	1002	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
33	GE	201	CYC	C1A-C2A-C3A	-3.21	103.23	106.78
31	YB	202	PEB	CMB-C2B-C1B	3.21	130.01	125.06
31	JH	202	PEB	CMB-C2B-C1B	3.21	130.01	125.06
31	MF	203	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	y8	301	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	GF	203	PEB	CHC-C1D-ND	-3.21	110.22	113.95
31	xF	304	PEB	C1C-CHB-C4B	-3.21	124.97	128.81
31	K8	203	PEB	C3D-C4D-ND	3.21	113.56	107.26
31	C9	201	PEB	CMA-C2A-C1A	-3.21	105.48	112.40
31	SE	202	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	PI	201	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	RE	201	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	hD	201	PEB	OD-C4D-C3D	-3.21	122.19	129.46
31	dA	202	PEB	CHB-C4B-NB	-3.21	124.38	128.83
31	SC	201	PEB	C1B-C2B-C3B	-3.21	102.82	106.51
31	iF	201	PEB	OD-C4D-ND	-3.21	121.18	125.93
31	QC	202	PEB	OA-C1A-C2A	-3.21	123.62	126.17
31	VG	202	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	hD	203	PEB	CHC-C4C-C3C	-3.21	124.86	130.34
31	Z9	301	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
33	V3	1001	CYC	CAA-C2A-C1A	3.21	130.68	125.01
31	RJ	202	PEB	OD-C4D-ND	-3.21	121.18	125.93
31	JK	203	PEB	C3B-C4B-NB	3.21	114.72	110.05
31	G1	201	PEB	C1B-C2B-C3B	-3.21	102.83	106.51
31	YH	201	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	UH	201	PEB	CMB-C2B-C1B	3.21	130.00	125.06
31	BK	202	PEB	CMB-C2B-C1B	3.21	130.00	125.06
31	A1	202	PEB	CMB-C2B-C1B	3.21	130.00	125.06
31	Z6	202	PEB	CMB-C2B-C1B	3.21	130.00	125.06
31	fB	201	PEB	OA-C1A-C2A	-3.21	123.62	126.17
31	KG	203	PEB	C3B-C4B-NB	3.21	114.71	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OG	202	PEB	OD-C4D-C3D	-3.21	122.19	129.46
31	BG	203	PEB	CMB-C2B-C1B	3.21	130.00	125.06
31	GJ	202	PEB	CHC-C4C-C3C	-3.21	124.87	130.34
31	YJ	202	PEB	CHC-C4C-C3C	-3.21	124.87	130.34
31	RC	201	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	SJ	202	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	WF	202	PEB	C3B-C4B-NB	3.21	114.71	110.05
31	VF	202	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	K8	203	PEB	C2A-C1A-NA	3.21	111.04	108.27
32	B4	302	PUB	C4B-CHB-C1C	-3.21	124.98	128.81
31	FA	201	PEB	CMB-C2B-C1B	3.21	130.00	125.06
31	k2	201	PEB	OA-C1A-C2A	-3.21	123.62	126.17
31	KH	202	PEB	C3B-C4B-NB	3.21	114.71	110.05
31	dJ	401	PEB	C3B-C4B-NB	3.21	114.71	110.05
31	Y7	504	PEB	C4B-C3B-C2B	-3.21	103.23	106.78
31	bD	202	PEB	CHC-C4C-C3C	-3.21	124.87	130.34
31	C4	203	PEB	CMB-C2B-C1B	3.21	130.00	125.06
31	JH	202	PEB	CMA-C2A-C1A	-3.21	105.49	112.40
31	E1	201	PEB	C2A-C1A-NA	3.21	111.04	108.27
31	ZB	202	PEB	OD-C4D-ND	-3.20	121.18	125.93
31	ZA	201	PEB	CAA-C3A-C2A	-3.20	106.25	114.26
31	MA	202	PEB	CMA-C2A-C1A	-3.20	105.50	112.40
31	j6	202	PEB	CMB-C2B-C1B	3.20	130.00	125.06
31	F2	1002	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	d4	201	PEB	OD-C4D-ND	-3.20	121.18	125.93
31	NJ	202	PEB	C3B-C4B-NB	3.20	114.71	110.05
31	YF	201	PEB	CMB-C2B-C1B	3.20	130.00	125.06
31	wF	303	PEB	CMB-C2B-C1B	3.20	130.00	125.06
31	W4	202	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	U7	201	PEB	CHA-C1B-NB	-3.20	118.23	124.93
31	U8	201	PEB	CHA-C1B-NB	-3.20	118.23	124.93
31	L6	1002	PEB	OD-C4D-C3D	-3.20	122.20	129.46
31	W4	201	PEB	OD-C4D-ND	-3.20	121.18	125.93
31	PH	202	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	WI	202	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	hE	202	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	JK	202	PEB	CHC-C1D-ND	-3.20	110.23	113.95
31	QD	203	PEB	CBA-CAA-C3A	-3.20	106.34	113.47
33	K6	1001	CYC	CBC-CAC-C3C	-3.20	106.34	113.47
31	k8	202	PEB	CHC-C4C-C3C	-3.20	124.88	130.34
31	KK	201	PEB	C1B-C2B-C3B	-3.20	102.83	106.51
31	QK	201	PEB	C1B-C2B-C3B	-3.20	102.83	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O8	203	PEB	C1B-C2B-C3B	-3.20	102.83	106.51
31	AB	304	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	SD	202	PEB	C3B-C4B-NB	3.20	114.71	110.05
31	KH	201	PEB	C3B-C4B-NB	3.20	114.71	110.05
31	P6	202	PEB	C3B-C4B-NB	3.20	114.71	110.05
31	N2	1002	PEB	OA-C1A-C2A	-3.20	123.63	126.17
31	R1	203	PEB	CMB-C2B-C1B	3.20	130.00	125.06
31	HI	203	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	JF	202	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	K8	201	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	T5	202	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	U7	203	PEB	C2A-C1A-NA	3.20	111.03	108.27
33	KB	1001	CYC	CBC-CAC-C3C	-3.20	106.34	113.47
31	PE	201	PEB	C1B-C2B-C3B	-3.20	102.83	106.51
31	h8	202	PEB	CHB-C4B-NB	-3.20	124.39	128.83
31	dJ	401	PEB	C1C-CHB-C4B	-3.20	124.98	128.81
31	ZI	303	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	M9	301	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	gA	203	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	UC	203	PEB	OA-C1A-C2A	-3.20	123.63	126.17
31	iE	201	PEB	OA-C1A-C2A	-3.20	123.63	126.17
33	c3	1001	CYC	CBD-CAD-C3D	-3.20	107.16	112.62
31	NA	201	PEB	CHC-C4C-C3C	-3.20	124.88	130.34
31	Q5	201	PEB	CHC-C4C-C3C	-3.20	124.88	130.34
31	f2	201	PEB	C1B-C2B-C3B	-3.20	102.83	106.51
31	i6	202	PEB	C1B-C2B-C3B	-3.20	102.83	106.51
31	hE	203	PEB	C1B-C2B-C3B	-3.20	102.83	106.51
33	H6	1001	CYC	C2C-C1C-NC	3.20	111.03	108.27
31	TI	202	PEB	CBA-CAA-C3A	-3.20	106.34	113.47
33	KC	201	CYC	CMA-C3A-C4A	3.20	129.99	125.06
31	YG	202	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	B7	201	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	cD	201	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	CH	202	PEB	C1B-C2B-C3B	-3.20	102.83	106.51
33	E6	1001	CYC	C4A-C3A-C2A	-3.20	102.83	106.51
31	AF	202	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	f4	203	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	Y6	201	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
33	x3	1001	CYC	CAA-C2A-C1A	3.20	130.67	125.01
31	X9	201	PEB	CMA-C2A-C1A	-3.20	105.51	112.40
31	dC	201	PEB	CHA-C1B-NB	-3.20	118.24	124.93
31	QA	202	PEB	CHC-C1D-ND	-3.20	110.23	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	NB	1001	CYC	C2B-C1B-NB	3.20	111.67	106.99
31	U2	203	PEB	OA-C1A-C2A	-3.20	123.63	126.17
31	N4	201	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	V7	202	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	a4	201	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	S5	202	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	T6	201	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	Y8	201	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
31	dA	201	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
33	H6	1001	CYC	CMA-C3A-C4A	3.20	129.99	125.06
31	D1	201	PEB	CHA-C1B-C2B	3.20	133.12	124.90
33	ME	1001	CYC	C2A-C1A-NA	3.20	114.70	110.05
31	qF	203	PEB	CHB-C4B-NB	-3.20	124.39	128.83
31	YA	201	PEB	OD-C4D-ND	-3.20	121.19	125.93
31	gB	203	PEB	CAB-C3B-C2B	3.20	133.83	127.88
31	VB	202	PEB	CMB-C2B-C1B	3.20	129.99	125.06
31	IF	201	PEB	CAC-C2C-C3C	3.20	136.43	127.25
31	l8	203	PEB	C4B-C3B-C2B	-3.20	103.24	106.78
33	ME	1001	CYC	C1A-C2A-C3A	-3.20	103.24	106.78
33	R3	1001	CYC	CBD-CAD-C3D	-3.20	107.16	112.62
31	HI	203	PEB	C1B-C2B-C3B	-3.20	102.84	106.51
32	B4	302	PUB	CHA-C1B-C2B	-3.20	124.88	130.34
31	GD	202	PEB	OD-C4D-C3D	-3.20	122.22	129.46
31	ZE	201	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	UI	203	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	S6	202	PEB	C2A-C1A-NA	3.20	111.03	108.27
31	i6	201	PEB	CHC-C1D-ND	-3.20	110.23	113.95
32	xF	301	PUB	CMD-C2D-C3D	3.20	132.57	127.77
31	NG	202	PEB	C3B-C4B-NB	3.20	114.70	110.05
33	J3	1001	CYC	CBD-CAD-C3D	-3.20	107.17	112.62
31	NI	202	PEB	CBA-CAA-C3A	-3.20	106.35	113.47
31	CF	201	PEB	C4B-C3B-C2B	-3.20	103.25	106.78
33	C6	1001	CYC	CHA-C1A-NA	-3.20	124.39	128.83
31	MH	203	PEB	C1B-C2B-C3B	-3.20	102.84	106.51
31	S4	203	PEB	C1B-C2B-C3B	-3.20	102.84	106.51
31	DI	201	PEB	CAB-C3B-C4B	3.20	130.66	125.01
31	JH	201	PEB	C3B-C4B-NB	3.20	114.70	110.05
31	k2	201	PEB	C3B-C4B-NB	3.20	114.70	110.05
33	JB	1001	CYC	C2C-C1C-NC	3.20	111.03	108.27
31	l6	201	PEB	C4B-NB-C1B	-3.20	100.49	106.51
31	O4	201	PEB	OA-C1A-C2A	-3.20	123.63	126.17
31	KF	203	PEB	C3D-C4D-ND	3.20	113.53	107.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TF	202	PEB	C4B-C3B-C2B	-3.20	103.25	106.78
31	W2	202	PEB	C1B-C2B-C3B	-3.20	102.84	106.51
33	NC	1001	CYC	C4A-C3A-C2A	-3.20	102.84	106.51
31	DK	201	PEB	CHA-C1B-C2B	3.20	133.12	124.90
31	MF	202	PEB	CHC-C4C-C3C	-3.20	124.89	130.34
31	o8	203	PEB	CHA-C1B-NB	-3.20	118.25	124.93
33	W3	1001	CYC	C1B-CHB-C4A	3.20	135.89	128.08
31	A2	301	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	mF	201	PEB	CMB-C2B-C1B	3.19	129.98	125.06
31	hE	203	PEB	CHC-C4C-C3C	-3.19	124.89	130.34
31	VC	203	PEB	C2A-C1A-NA	3.19	111.03	108.27
31	S7	201	PEB	C2A-C1A-NA	3.19	111.03	108.27
31	dD	204	PEB	C2A-C1A-NA	3.19	111.03	108.27
31	RG	202	PEB	C3B-C4B-NB	3.19	114.70	110.05
31	UF	202	PEB	C4B-C3B-C2B	-3.19	103.25	106.78
31	gB	202	PEB	CMB-C2B-C1B	3.19	129.98	125.06
31	mH	201	PEB	CMB-C2B-C1B	3.19	129.98	125.06
31	TD	201	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	MI	304	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	Y6	202	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	lE	203	PEB	OD-C4D-ND	-3.19	121.20	125.93
33	MB	1001	CYC	CHA-C1A-NA	-3.19	124.40	128.83
31	o8	203	PEB	OD-C4D-C3D	-3.19	122.22	129.46
31	GG	203	PEB	C3B-C4B-NB	3.19	114.69	110.05
33	N3	1001	CYC	CBD-CAD-C3D	-3.19	107.17	112.62
31	QC	201	PEB	C4B-C3B-C2B	-3.19	103.25	106.78
31	AD	304	PEB	C4B-C3B-C2B	-3.19	103.25	106.78
31	J9	201	PEB	C4B-C3B-C2B	-3.19	103.25	106.78
31	EI	201	PEB	C1B-C2B-C3B	-3.19	102.84	106.51
31	ID	201	PEB	C1B-C2B-C3B	-3.19	102.84	106.51
33	N2	1001	CYC	C4A-C3A-C2A	-3.19	102.84	106.51
31	kC	203	PEB	C3D-C4D-ND	3.19	113.53	107.26
31	VA	201	PEB	C2A-C1A-NA	3.19	111.03	108.27
31	bF	201	PEB	C2A-C1A-NA	3.19	111.03	108.27
31	RH	202	PEB	CHA-C1B-NB	-3.19	118.25	124.93
31	Q1	201	PEB	CBB-CAB-C3B	-3.19	103.75	112.63
31	OE	201	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	R4	201	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	i6	203	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	QC	201	PEB	CHA-C1B-NB	-3.19	118.25	124.93
31	A8	201	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	U9	203	PEB	OD-C4D-ND	-3.19	121.20	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	f4	202	PEB	C1B-C2B-C3B	-3.19	102.84	106.51
31	IG	202	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	OE	202	PEB	CHC-C1D-ND	-3.19	110.24	113.95
31	HC	1002	PEB	C2A-C1A-NA	3.19	111.03	108.27
31	QE	203	PEB	CBA-CAA-C3A	-3.19	106.36	113.47
31	AI	202	PEB	CBA-CAA-C3A	-3.19	106.36	113.47
33	C3	1001	CYC	CBD-CAD-C3D	-3.19	107.17	112.62
31	CI	202	PEB	CBA-CAA-C3A	-3.19	106.36	113.47
31	II	202	PEB	CBA-CAA-C3A	-3.19	106.36	113.47
31	RB	203	PEB	CHC-C1D-ND	-3.19	110.24	113.95
31	F9	201	PEB	CAB-CBB-CGB	-3.19	106.73	113.60
31	S4	202	PEB	C2A-C1A-NA	3.19	111.02	108.27
31	aA	202	PEB	C3B-C4B-NB	3.19	114.69	110.05
33	E2	1001	CYC	C4A-C3A-C2A	-3.19	102.84	106.51
31	F1	201	PEB	C4B-C3B-C2B	-3.19	103.25	106.78
31	IH	202	PEB	CMA-C2A-C1A	-3.19	105.53	112.40
31	SB	202	PEB	CHC-C1D-ND	-3.19	110.24	113.95
31	B5	202	PEB	CHC-C1D-ND	-3.19	110.24	113.95
31	V6	202	PEB	CHC-C1D-ND	-3.19	110.24	113.95
31	UG	202	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	L9	202	PEB	CAB-C3B-C4B	3.19	130.65	125.01
31	OF	203	PEB	C1C-CHB-C4B	3.19	132.62	128.81
31	EI	202	PEB	CBA-CAA-C3A	-3.19	106.36	113.47
31	WD	201	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	RI	201	PEB	C1B-C2B-C3B	-3.19	102.84	106.51
31	a6	203	PEB	CAC-CBC-CGC	-3.19	104.82	113.76
31	UD	203	PEB	C4B-C3B-C2B	-3.19	103.25	106.78
31	VB	202	PEB	C2A-C1A-NA	3.19	111.02	108.27
31	QA	201	PEB	OD-C4D-C3D	-3.19	122.23	129.46
31	E9	201	PEB	CMA-C2A-C1A	-3.19	105.53	112.40
31	P6	203	PEB	CHC-C1D-ND	-3.19	110.24	113.95
31	D8	201	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	Y6	202	PEB	CMB-C2B-C1B	3.19	129.98	125.06
33	p3	1001	CYC	CBD-CAD-C3D	-3.19	107.18	112.62
31	MJ	201	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	E4	202	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	g4	202	PEB	OD-C4D-ND	-3.19	121.20	125.93
31	VI	202	PEB	CBA-CAA-C3A	-3.19	106.37	113.47
31	DI	201	PEB	O2B-CGB-CBB	3.19	124.28	114.03
31	GI	201	PEB	C1B-C2B-C3B	-3.19	102.85	106.51
31	G5	201	PEB	C4B-C3B-C2B	-3.19	103.25	106.78
31	gE	202	PEB	CHC-C1D-ND	-3.19	110.24	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	t3	1001	CYC	CBD-CAD-C3D	-3.19	107.18	112.62
31	HH	202	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	U4	203	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	eF	203	PEB	C3D-C4D-ND	3.19	113.52	107.26
31	M7	202	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	mH	201	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	Y5	202	PEB	CHC-C4C-C3C	-3.19	124.90	130.34
31	ZA	203	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	q8	201	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	MH	202	PEB	CMA-C2A-C1A	-3.19	105.53	112.40
31	QD	203	PEB	C1C-CHB-C4B	3.19	132.62	128.81
33	DC	1001	CYC	CMB-C2B-C1B	3.19	128.15	124.17
31	PG	202	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	RH	201	PEB	C3B-C4B-NB	3.19	114.69	110.05
31	P5	203	PEB	C1B-C2B-C3B	-3.19	102.85	106.51
33	EC	1001	CYC	C4A-C3A-C2A	-3.19	102.85	106.51
31	P4	201	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	jC	201	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	B4	301	PEB	CBC-CAC-C2C	3.19	118.06	112.62
31	f6	202	PEB	CHC-C4C-C3C	-3.19	124.90	130.34
31	aH	204	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	U6	202	PEB	C1B-C2B-C3B	-3.19	102.85	106.51
31	MJ	202	PEB	C2A-C1A-NA	3.19	111.02	108.27
33	y3	1001	CYC	C1B-CHB-C4A	3.19	135.87	128.08
31	VD	202	PEB	CHC-C1D-ND	-3.19	110.25	113.95
31	A4	301	PEB	C3B-C4B-NB	3.19	114.68	110.05
31	QH	201	PEB	CHB-C4B-NB	-3.19	124.41	128.83
31	JF	201	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	A2	305	PEB	OD-C4D-ND	-3.19	121.21	125.93
31	gB	203	PEB	C1C-CHB-C4B	-3.19	125.00	128.81
31	AC	301	PEB	CMB-C2B-C1B	3.19	129.97	125.06
31	PI	202	PEB	CBA-CAA-C3A	-3.19	106.37	113.47
31	AH	302	PEB	OA-C1A-C2A	-3.19	123.64	126.17
33	EC	1001	CYC	CHB-C4A-C3A	3.19	133.09	124.90
31	L9	203	PEB	C4B-C3B-C2B	-3.19	103.26	106.78
31	WG	203	PEB	OD-C4D-ND	-3.19	121.21	125.93
33	63	901	CYC	C2B-C1B-NB	3.19	111.65	106.99
31	T7	201	PEB	C2A-C1A-NA	3.19	111.02	108.27
31	A5	302	PEB	OD-C4D-C3D	-3.19	122.24	129.46
31	j4	202	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	UF	201	PEB	CAC-C2C-C3C	3.18	136.40	127.25
31	OE	203	PEB	C1B-C2B-C3B	-3.18	102.85	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	XI	202	PEB	CBA-CAA-C3A	-3.18	106.38	113.47
33	P3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
33	e3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
31	AB	304	PEB	CHA-C1B-NB	-3.18	118.27	124.93
31	D7	202	PEB	CHC-C4C-C3C	-3.18	124.91	130.34
31	CH	203	PEB	OD-C4D-ND	-3.18	121.21	125.93
32	xF	305	PUB	CHA-C4A-NA	-3.18	110.25	113.95
31	J1	202	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
32	Y1	304	PUB	C1C-C2C-C3C	-3.18	103.26	106.78
31	V6	202	PEB	CMB-C2B-C1B	3.18	129.97	125.06
31	M9	302	PEB	OA-C1A-C2A	-3.18	123.64	126.17
31	g6	203	PEB	C1C-CHB-C4B	-3.18	125.00	128.81
33	E3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
31	EG	202	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	E7	203	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	OG	201	PEB	C2A-C1A-NA	3.18	111.02	108.27
31	IJ	202	PEB	C2A-C1A-NA	3.18	111.02	108.27
32	KK	203	PUB	OA-C1A-NA	-3.18	121.21	125.93
31	VI	201	PEB	C1B-C2B-C3B	-3.18	102.85	106.51
31	RI	202	PEB	CBA-CAA-C3A	-3.18	106.38	113.47
31	F7	202	PEB	CHA-C1B-NB	-3.18	118.27	124.93
31	VE	202	PEB	CHC-C1D-ND	-3.18	110.25	113.95
31	UA	301	PEB	OD-C4D-C3D	-3.18	122.25	129.46
31	M4	203	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
33	d3	1001	CYC	C1A-C2A-C3A	-3.18	103.26	106.78
31	WE	202	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	k6	201	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	WI	202	PEB	OD-C4D-ND	-3.18	121.21	125.93
31	Y6	201	PEB	OD-C4D-ND	-3.18	121.21	125.93
31	Y9	203	PEB	OD-C4D-ND	-3.18	121.21	125.93
31	CG	202	PEB	CHA-C1B-NB	-3.18	118.27	124.93
31	XK	203	PEB	CAC-CBC-CGC	-3.18	104.83	113.76
31	Z9	302	PEB	OA-C1A-C2A	-3.18	123.64	126.17
31	B5	201	PEB	CMB-C2B-C1B	3.18	129.97	125.06
31	UE	201	PEB	CBC-CAC-C2C	-3.18	107.19	112.62
31	O1	202	PEB	C2A-C1A-NA	3.18	111.02	108.27
31	HH	201	PEB	CHC-C1D-ND	3.18	117.64	113.95
31	L6	1002	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	L7	202	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
31	mB	201	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
31	AC	305	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	E8	202	PEB	OD-C4D-ND	-3.18	121.22	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KA	303	PEB	CHB-C4B-NB	-3.18	124.41	128.83
33	LC	1001	CYC	CHA-C1A-C2A	-3.18	117.97	125.32
31	CA	202	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	c4	201	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	qF	203	PEB	OA-C1A-C2A	-3.18	123.64	126.17
33	A3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
33	m3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
31	DA	202	PEB	CHA-C1B-NB	-3.18	118.28	124.93
31	OI	203	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
31	M4	202	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
33	GD	201	CYC	C1A-C2A-C3A	-3.18	103.26	106.78
31	S9	201	PEB	CMC-C3C-C2C	3.18	130.94	124.94
31	IK	201	PEB	OD-C4D-C3D	-3.18	122.25	129.46
31	TG	203	PEB	C3B-C4B-NB	3.18	114.68	110.05
31	IF	203	PEB	C1B-C2B-C3B	-3.18	102.86	106.51
33	T3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
31	VE	201	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
31	GJ	201	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
31	G4	203	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
33	F3	1001	CYC	C1A-C2A-C3A	-3.18	103.26	106.78
31	E4	202	PEB	CHA-C1B-NB	-3.18	118.28	124.93
31	d6	202	PEB	C2A-C1A-NA	3.18	111.02	108.27
31	tF	202	PEB	C2A-C1A-NA	3.18	111.02	108.27
31	WG	201	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	U4	201	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	W2	203	PEB	OA-C1A-C2A	-3.18	123.64	126.17
31	XI	201	PEB	C1B-C2B-C3B	-3.18	102.86	106.51
31	BJ	202	PEB	CHC-C1D-ND	-3.18	110.25	113.95
31	UD	201	PEB	CBC-CAC-C2C	-3.18	107.19	112.62
31	E4	203	PEB	C3B-C4B-NB	3.18	114.67	110.05
31	DB	1002	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
31	VD	201	PEB	C4B-C3B-C2B	-3.18	103.26	106.78
31	X5	202	PEB	CHA-C1B-NB	-3.18	118.28	124.93
31	bC	201	PEB	OD-C4D-C3D	-3.18	122.25	129.46
31	l2	201	PEB	C3D-C4D-ND	3.18	113.50	107.26
33	r3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
33	v3	1001	CYC	CBD-CAD-C3D	-3.18	107.19	112.62
31	C8	203	PEB	C2A-C1A-NA	3.18	111.01	108.27
31	B5	203	PEB	CHA-C1B-NB	-3.18	118.28	124.93
31	RB	203	PEB	CAB-CBB-CGB	3.18	120.44	113.60
31	m4	202	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	S4	203	PEB	C4B-C3B-C2B	-3.18	103.26	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TC	201	PEB	CHB-C4B-NB	-3.18	124.42	128.83
31	Y6	201	PEB	CHB-C4B-NB	-3.18	124.42	128.83
31	V2	201	PEB	CHC-C4C-C3C	-3.18	124.92	130.34
31	M7	201	PEB	CMA-C2A-C1A	-3.18	105.55	112.40
31	l4	201	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	GI	202	PEB	CBA-CAA-C3A	-3.18	106.39	113.47
31	A8	202	PEB	C2A-C1A-NA	3.18	111.01	108.27
31	AA	501	PEB	OA-C1A-C2A	-3.18	123.65	126.17
31	c8	202	PEB	CHA-C1B-NB	-3.18	118.28	124.93
31	X8	201	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	gB	201	PEB	C1B-C2B-C3B	-3.18	102.86	106.51
31	U1	202	PEB	CHC-C4C-C3C	-3.18	124.92	130.34
31	WD	202	PEB	OD-C4D-C3D	-3.18	122.26	129.46
33	I3	1001	CYC	C1A-C2A-C3A	-3.18	103.27	106.78
31	YB	202	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	ZD	202	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	hD	201	PEB	C2A-C1A-NA	3.18	111.01	108.27
31	h2	201	PEB	CHA-C1B-NB	-3.18	118.29	124.93
31	m6	201	PEB	CHA-C1B-NB	-3.18	118.29	124.93
31	W7	201	PEB	CHA-C1B-NB	-3.18	118.29	124.93
31	UI	202	PEB	OA-C1A-C2A	-3.18	123.65	126.17
31	IH	202	PEB	CMA-C2A-C1A	-3.18	105.56	112.40
31	VG	203	PEB	C1C-CHB-C4B	3.18	132.60	128.81
31	k8	201	PEB	C3B-C4B-NB	3.18	114.67	110.05
31	cH	201	PEB	CMB-C2B-C1B	3.18	129.96	125.06
31	J8	201	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	cA	402	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	SF	203	PEB	C4B-C3B-C2B	-3.18	103.27	106.78
31	Y4	203	PEB	C4B-C3B-C2B	-3.18	103.27	106.78
33	H3	1001	CYC	C1A-C2A-C3A	-3.18	103.27	106.78
31	V6	202	PEB	C2A-C1A-NA	3.18	111.01	108.27
31	i6	202	PEB	C2A-C1A-NA	3.18	111.01	108.27
31	J5	202	PEB	CMB-C2B-C1B	3.18	129.96	125.06
31	LJ	201	PEB	OD-C4D-ND	-3.18	121.22	125.93
31	I4	201	PEB	OD-C4D-ND	-3.18	121.22	125.93
33	BE	1001	CYC	OB-C4B-C3B	-3.18	124.59	128.04
31	NC	1002	PEB	OA-C1A-C2A	-3.18	123.65	126.17
31	Q2	201	PEB	C4B-C3B-C2B	-3.18	103.27	106.78
31	A6	304	PEB	C4B-C3B-C2B	-3.18	103.27	106.78
31	e6	202	PEB	C4B-C3B-C2B	-3.18	103.27	106.78
31	KI	202	PEB	CBA-CAA-C3A	-3.18	106.40	113.47
31	UC	203	PEB	C1B-C2B-C3B	-3.18	102.86	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	II	201	PEB	C1B-C2B-C3B	-3.18	102.86	106.51
31	TI	201	PEB	C1B-C2B-C3B	-3.18	102.86	106.51
31	B5	201	PEB	C3B-C4B-NB	3.18	114.67	110.05
31	oF	201	PEB	OD-C4D-ND	-3.18	121.23	125.93
31	YD	202	PEB	CHC-C1D-ND	-3.18	110.26	113.95
31	E4	202	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	A5	302	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	WF	202	PEB	CHC-C4C-C3C	-3.17	124.92	130.34
31	d8	201	PEB	CMB-C2B-C1B	3.17	129.95	125.06
33	MD	1001	CYC	C1A-C2A-C3A	-3.17	103.27	106.78
31	AG	202	PEB	C3B-C4B-NB	3.17	114.67	110.05
32	ZI	302	PUB	C2C-C1C-NC	3.17	114.67	110.05
31	LI	201	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	P1	202	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	S8	201	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	bA	201	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	g6	203	PEB	CAB-C3B-C2B	3.17	133.79	127.88
31	C5	201	PEB	CHC-C1D-ND	-3.17	110.26	113.95
31	F9	201	PEB	CHC-C1D-ND	-3.17	110.26	113.95
33	l3	1001	CYC	CBD-CAD-C3D	-3.17	107.20	112.62
31	FG	201	PEB	OD-C4D-C3D	-3.17	122.27	129.46
31	IG	201	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	dD	202	PEB	C3B-C4B-NB	3.17	114.67	110.05
31	U8	201	PEB	CAC-C2C-C3C	3.17	136.37	127.25
31	YK	302	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	i8	202	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	P5	203	PEB	C4B-C3B-C2B	-3.17	103.27	106.78
31	S8	203	PEB	C4B-C3B-C2B	-3.17	103.27	106.78
31	I4	202	PEB	CHA-C1B-C2B	3.17	133.06	124.90
31	iC	201	PEB	C1C-CHB-C4B	3.17	132.60	128.81
31	m8	202	PEB	CHC-C1D-ND	-3.17	110.26	113.95
31	bF	202	PEB	CHB-C4B-C3B	-3.17	117.99	125.32
31	QB	201	PEB	CHA-C4A-NA	3.17	128.98	125.20
31	NA	202	PEB	C3B-C4B-NB	3.17	114.67	110.05
31	cB	201	PEB	CHB-C4B-NB	-3.17	124.42	128.83
31	YE	202	PEB	CMC-C3C-C2C	3.17	130.92	124.94
31	WK	202	PEB	C4B-C3B-C2B	-3.17	103.27	106.78
31	PD	201	PEB	C1B-C2B-C3B	-3.17	102.86	106.51
31	W7	201	PEB	C1B-C2B-C3B	-3.17	102.86	106.51
31	WA	402	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	OD	202	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	OK	201	PEB	C2A-C1A-NA	3.17	111.01	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	P1	201	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	dB	202	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	dD	202	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	kF	201	PEB	C3B-C4B-NB	3.17	114.66	110.05
33	K3	1001	CYC	CBD-CAD-C3D	-3.17	107.21	112.62
31	KG	203	PEB	CHA-C1B-NB	-3.17	118.30	124.93
31	OI	201	PEB	O2B-CGB-CBB	3.17	124.22	114.03
31	OK	202	PEB	C3D-C4D-ND	3.17	113.48	107.26
31	YB	201	PEB	CMB-C2B-C1B	3.17	129.95	125.06
31	YK	302	PEB	CMB-C2B-C1B	3.17	129.95	125.06
31	d5	401	PEB	C4B-C3B-C2B	-3.17	103.27	106.78
33	EC	1001	CYC	C1A-C2A-C3A	-3.17	103.27	106.78
31	RD	201	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	QH	201	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	w8	303	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	OI	203	PEB	CHC-C4C-C3C	-3.17	124.93	130.34
31	OG	203	PEB	CHC-C1D-ND	-3.17	110.26	113.95
31	n8	202	PEB	CHB-C4B-C3B	-3.17	117.99	125.32
31	EK	201	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	aE	202	PEB	C2A-C1A-NA	3.17	111.01	108.27
31	IA	203	PEB	C3B-C4B-NB	3.17	114.66	110.05
31	c6	201	PEB	CHB-C4B-NB	-3.17	124.43	128.83
33	u3	1001	CYC	C1A-C2A-C3A	-3.17	103.27	106.78
31	O8	203	PEB	C1C-CHB-C4B	3.17	132.60	128.81
31	OH	201	PEB	CMB-C2B-C1B	3.17	129.95	125.06
31	YD	202	PEB	CMC-C3C-C2C	3.17	130.92	124.94
31	S9	203	PEB	OA-C1A-C2A	-3.17	123.65	126.17
31	KF	201	PEB	OD-C4D-ND	-3.17	121.23	125.93
32	xF	305	PUB	OA-C1A-NA	-3.17	121.23	125.93
32	MI	303	PUB	C2C-C1C-NC	3.17	114.66	110.05
33	KE	202	CYC	C2A-C1A-NA	3.17	114.66	110.05
31	NG	202	PEB	CHA-C1B-NB	-3.17	118.30	124.93
31	mE	201	PEB	CMB-C2B-C1B	3.17	129.95	125.06
31	JG	202	PEB	CHC-C1D-ND	-3.17	110.27	113.95
31	GG	203	PEB	CHA-C1B-NB	-3.17	118.30	124.93
31	EF	202	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	gC	203	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	lH	201	PEB	CHB-C4B-NB	-3.17	124.43	128.83
33	G3	1001	CYC	CBD-CAD-C3D	-3.17	107.21	112.62
31	O1	202	PEB	C3D-C4D-ND	3.17	113.48	107.26
31	J4	202	PEB	CMB-C2B-C1B	3.17	129.94	125.06
31	j6	201	PEB	C4B-NB-C1B	-3.17	100.54	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OC	202	PEB	C4B-C3B-C2B	-3.17	103.28	106.78
31	U7	201	PEB	C4B-C3B-C2B	-3.17	103.28	106.78
33	GB	1001	CYC	C1A-C2A-C3A	-3.17	103.28	106.78
31	MK	202	PEB	C1B-C2B-C3B	-3.17	102.87	106.51
31	A5	304	PEB	OD-C4D-ND	-3.17	121.23	125.93
31	hF	202	PEB	C3B-C4B-NB	3.17	114.66	110.05
31	cH	202	PEB	C2A-C1A-NA	3.17	111.00	108.27
32	AH	304	PUB	CMA-C2A-C1A	3.17	128.84	121.39
33	BD	1001	CYC	OB-C4B-C3B	-3.17	124.60	128.04
31	LB	1002	PEB	OD-C4D-C3D	-3.17	122.28	129.46
31	XG	202	PEB	CHA-C1B-NB	-3.17	118.31	124.93
31	kD	202	PEB	CHA-C1B-NB	-3.17	118.31	124.93
31	EA	501	PEB	C2A-C1A-NA	3.17	111.00	108.27
31	J1	201	PEB	OD-C4D-ND	-3.17	121.24	125.93
31	RG	202	PEB	CHA-C1B-NB	-3.17	118.31	124.93
31	A7	203	PEB	C1B-C2B-C3B	-3.17	102.87	106.51
31	b6	202	PEB	CHC-C1D-ND	-3.17	110.27	113.95
31	PH	201	PEB	C4B-C3B-C2B	-3.17	103.28	106.78
31	PC	202	PEB	CMB-C2B-C1B	3.17	129.94	125.06
31	YG	201	PEB	CMB-C2B-C1B	3.17	129.94	125.06
31	K7	202	PEB	C1C-CHB-C4B	3.17	132.59	128.81
31	IA	203	PEB	C2A-C1A-NA	3.17	111.00	108.27
31	E1	202	PEB	C2A-C1A-NA	3.17	111.00	108.27
31	MG	401	PEB	CHB-C4B-NB	-3.17	124.43	128.83
31	T6	201	PEB	CHA-C1B-NB	-3.17	118.31	124.93
31	QJ	201	PEB	CHC-C4C-C3C	-3.17	124.94	130.34
31	BG	202	PEB	C3D-C4D-ND	3.17	113.47	107.26
31	aB	203	PEB	CAC-CBC-CGC	-3.17	104.88	113.76
31	Q4	204	PEB	OD-C4D-C3D	-3.17	122.29	129.46
31	I8	202	PEB	CHB-C4B-NB	-3.17	124.44	128.83
31	O6	201	PEB	OD-C4D-ND	-3.17	121.24	125.93
31	l4	201	PEB	C1B-C2B-C3B	-3.17	102.87	106.51
31	EA	501	PEB	CHC-C1D-ND	-3.17	110.27	113.95
31	L9	203	PEB	C3B-C4B-NB	3.17	114.65	110.05
31	aF	203	PEB	C3B-C4B-NB	3.17	114.65	110.05
31	IG	202	PEB	CHA-C1B-NB	-3.17	118.31	124.93
31	Y1	302	PEB	CMB-C2B-C1B	3.17	129.94	125.06
31	J6	1002	PEB	CMB-C2B-C1B	3.17	129.94	125.06
31	v8	202	PEB	CMB-C2B-C1B	3.17	129.94	125.06
31	A6	304	PEB	C2A-C1A-NA	3.17	111.00	108.27
31	j4	203	PEB	C4B-C3B-C2B	-3.17	103.28	106.78
31	Q2	201	PEB	CHA-C1B-NB	-3.17	118.31	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	T4	201	PEB	OD-C4D-ND	-3.17	121.24	125.93
31	PF	202	PEB	C3B-C4B-NB	3.17	114.65	110.05
31	FJ	202	PEB	C3B-C4B-NB	3.17	114.65	110.05
33	g3	1001	CYC	CBD-CAD-C3D	-3.16	107.22	112.62
31	oF	203	PEB	OD-C4D-C3D	-3.16	122.29	129.46
31	DA	201	PEB	CMA-C2A-C1A	-3.16	105.58	112.40
31	AE	304	PEB	C4B-C3B-C2B	-3.16	103.28	106.78
31	G4	202	PEB	C4B-C3B-C2B	-3.16	103.28	106.78
31	d4	202	PEB	C4B-C3B-C2B	-3.16	103.28	106.78
33	h3	1001	CYC	C1A-C2A-C3A	-3.16	103.28	106.78
31	L1	201	PEB	CAB-CBB-CGB	-3.16	106.79	113.60
31	Y9	202	PEB	OD-C4D-ND	-3.16	121.24	125.93
31	Z6	202	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	A6	304	PEB	CHA-C1B-NB	-3.16	118.31	124.93
31	NI	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	Q7	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	uF	202	PEB	CHB-C4B-NB	-3.16	124.44	128.83
31	KD	201	PEB	C1C-CHB-C4B	3.16	132.59	128.81
31	x8	304	PEB	C1C-CHB-C4B	-3.16	125.03	128.81
33	L2	1001	CYC	CHA-C1A-C2A	-3.16	118.01	125.32
31	YC	201	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	fH	201	PEB	C2A-C1A-NA	3.16	111.00	108.27
33	DB	1001	CYC	C2C-C1C-NC	3.16	111.00	108.27
31	Q1	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	KJ	201	PEB	C3B-C4B-NB	3.16	114.65	110.05
33	JC	1001	CYC	C2A-C1A-NA	3.16	114.65	110.05
31	UA	302	PEB	C4B-C3B-C2B	-3.16	103.28	106.78
33	73	1001	CYC	C1A-C2A-C3A	-3.16	103.28	106.78
31	sF	203	PEB	CHC-C1D-ND	-3.16	110.28	113.95
31	A6	304	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	E7	203	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	hB	202	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	jD	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
33	HE	1001	CYC	C4A-C3A-C2A	-3.16	102.88	106.51
31	gF	202	PEB	C3B-C4B-NB	3.16	114.65	110.05
31	g2	202	PEB	CAA-C3A-C4A	3.16	120.79	112.67
31	e1	301	PEB	OD-C4D-C3D	-3.16	122.30	129.46
31	GK	201	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	mB	201	PEB	CHA-C1B-NB	-3.16	118.32	124.93
31	UE	203	PEB	OD-C4D-ND	-3.16	121.25	125.93
31	JK	203	PEB	OD-C4D-ND	-3.16	121.25	125.93
31	BJ	201	PEB	CMB-C2B-C1B	3.16	129.93	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	b8	202	PEB	CHB-C4B-C3B	-3.16	118.02	125.32
31	m4	201	PEB	CAB-C3B-C4B	3.16	130.60	125.01
31	S2	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	O4	202	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	R7	202	PEB	CHA-C1B-NB	-3.16	118.32	124.93
31	l8	203	PEB	CMB-C2B-C1B	3.16	129.93	125.06
31	mD	201	PEB	CMB-C2B-C1B	3.16	129.93	125.06
31	ZD	201	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	BG	203	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	YI	203	PEB	C1C-CHB-C4B	-3.16	125.03	128.81
31	VG	202	PEB	CHA-C1B-NB	-3.16	118.32	124.93
31	aH	202	PEB	C3B-C4B-NB	3.16	114.65	110.05
31	AB	304	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	WE	202	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	RG	201	PEB	OD-C4D-ND	-3.16	121.25	125.93
31	YK	303	PEB	OD-C4D-C3D	-3.16	122.30	129.46
31	LK	201	PEB	CAB-CBB-CGB	-3.16	106.80	113.60
31	UJ	201	PEB	C4B-C3B-C2B	-3.16	103.28	106.78
31	jH	203	PEB	C4B-C3B-C2B	-3.16	103.28	106.78
31	H9	201	PEB	OD-C4D-C3D	-3.16	122.30	129.46
31	i4	202	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	eC	202	PEB	CMB-C2B-C1B	3.16	129.93	125.06
31	CG	201	PEB	OD-C4D-ND	-3.16	121.25	125.93
31	qF	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	V2	201	PEB	C3B-C4B-NB	3.16	114.64	110.05
33	j3	1001	CYC	C1A-C2A-C3A	-3.16	103.29	106.78
31	u8	201	PEB	CHB-C4B-NB	-3.16	124.44	128.83
31	LE	1002	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	c8	203	PEB	C2A-C1A-NA	3.16	111.00	108.27
31	DB	1002	PEB	CMB-C2B-C1B	3.16	129.93	125.06
31	V2	202	PEB	C1C-CHB-C4B	3.16	132.58	128.81
33	M3	1001	CYC	C1A-C2A-C3A	-3.16	103.29	106.78
31	UC	202	PEB	C3B-C4B-NB	3.16	114.64	110.05
31	RA	202	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	K8	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	EG	201	PEB	OD-C4D-ND	-3.16	121.25	125.93
31	kE	202	PEB	CHA-C1B-NB	-3.16	118.33	124.93
31	MH	202	PEB	C4B-C3B-C2B	-3.16	103.29	106.78
31	O2	202	PEB	C4B-C3B-C2B	-3.16	103.29	106.78
33	q3	1001	CYC	C1A-C2A-C3A	-3.16	103.29	106.78
31	M4	202	PEB	C3B-C4B-NB	3.16	114.64	110.05
31	B7	201	PEB	C3B-C4B-NB	3.16	114.64	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	iB	203	PEB	C3B-C4B-NB	3.16	114.64	110.05
31	JG	201	PEB	OD-C4D-ND	-3.16	121.25	125.93
31	T7	202	PEB	OD-C4D-ND	-3.16	121.25	125.93
31	VA	202	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	Y8	202	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	AJ	302	PEB	C4B-C3B-C2B	-3.16	103.29	106.78
31	K4	202	PEB	C4B-C3B-C2B	-3.16	103.29	106.78
31	W9	202	PEB	CHA-C4A-NA	-3.16	121.45	125.20
31	UF	202	PEB	C2A-C1A-NA	3.16	110.99	108.27
31	M8	203	PEB	C2A-C1A-NA	3.16	110.99	108.27
31	UF	202	PEB	C3D-C4D-ND	3.16	113.45	107.26
31	KI	201	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	A5	304	PEB	C1B-C2B-C3B	-3.16	102.88	106.51
31	e4	202	PEB	C3B-C4B-NB	3.16	114.64	110.05
33	D3	1001	CYC	C1A-C2A-C3A	-3.16	103.29	106.78
33	S3	1001	CYC	C1A-C2A-C3A	-3.16	103.29	106.78
31	K5	201	PEB	C3B-C4B-NB	3.16	114.64	110.05
31	KF	201	PEB	C1B-C2B-C3B	-3.16	102.89	106.51
31	G4	201	PEB	C1B-C2B-C3B	-3.16	102.89	106.51
33	HE	1001	CYC	CHA-C1A-NA	-3.16	124.45	128.83
31	uF	203	PEB	C4B-C3B-C2B	-3.15	103.29	106.78
31	VJ	201	PEB	OD-C4D-C3D	-3.15	122.31	129.46
31	u8	201	PEB	CHA-C1B-C2B	3.15	133.01	124.90
31	O2	203	PEB	OD-C4D-ND	-3.15	121.26	125.93
31	S2	201	PEB	OD-C4D-ND	-3.15	121.26	125.93
31	K1	202	PEB	OD-C4D-C3D	-3.15	122.31	129.46
31	U9	202	PEB	C3B-C4B-NB	3.15	114.64	110.05
31	XF	202	PEB	C4B-C3B-C2B	-3.15	103.29	106.78
31	dH	201	PEB	C4B-C3B-C2B	-3.15	103.29	106.78
33	U3	1001	CYC	C1A-C2A-C3A	-3.15	103.29	106.78
31	kC	202	PEB	CHC-C4C-C3C	-3.15	124.96	130.34
31	CG	202	PEB	C3B-C4B-NB	3.15	114.64	110.05
31	dE	202	PEB	C3B-C4B-NB	3.15	114.64	110.05
33	LE	1001	CYC	CMB-C2B-C1B	3.15	128.10	124.17
31	KK	202	PEB	OD-C4D-C3D	-3.15	122.32	129.46
31	M5	202	PEB	C2A-C1A-NA	3.15	110.99	108.27
31	g6	202	PEB	C2A-C1A-NA	3.15	110.99	108.27
31	UB	202	PEB	C1B-C2B-C3B	-3.15	102.89	106.51
31	mE	202	PEB	C1B-C2B-C3B	-3.15	102.89	106.51
31	VC	202	PEB	C1C-CHB-C4B	3.15	132.57	128.81
31	Z8	202	PEB	C4B-C3B-C2B	-3.15	103.29	106.78
31	IG	203	PEB	OD-C4D-C3D	-3.15	122.32	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	C7	201	PEB	C3B-C4B-NB	3.15	114.63	110.05
31	kC	201	PEB	C3B-C4B-NB	3.15	114.63	110.05
31	fH	201	PEB	C3B-C4B-NB	3.15	114.63	110.05
33	BD	1002	CYC	C2C-C1C-NC	3.15	110.99	108.27
31	XH	201	PEB	C3B-C4B-NB	3.15	114.63	110.05
31	AB	304	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
31	I4	203	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
31	PG	201	PEB	OD-C4D-ND	-3.15	121.26	125.93
31	PG	202	PEB	CHA-C1B-NB	-3.15	118.34	124.93
31	RK	203	PEB	CMB-C2B-C1B	3.15	129.92	125.06
31	Y4	201	PEB	OD-C4D-ND	-3.15	121.26	125.93
31	iF	203	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
31	D9	203	PEB	CHC-C4C-C3C	-3.15	124.96	130.34
31	E4	203	PEB	C1B-C2B-C3B	-3.15	102.89	106.51
31	EK	202	PEB	CMB-C2B-C1B	3.15	129.91	125.06
31	EG	202	PEB	CHA-C1B-NB	-3.15	118.34	124.93
31	BJ	203	PEB	CHA-C1B-NB	-3.15	118.34	124.93
31	I4	201	PEB	C3B-C4B-NB	3.15	114.63	110.05
31	FA	201	PEB	OD-C4D-C3D	-3.15	122.32	129.46
31	S6	201	PEB	OD-C4D-ND	-3.15	121.26	125.93
31	JG	202	PEB	CHC-C4C-C3C	-3.15	124.97	130.34
31	JF	202	PEB	C2A-C1A-NA	3.15	110.99	108.27
31	FG	202	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
31	jD	202	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
31	bB	202	PEB	CHC-C1D-ND	-3.15	110.29	113.95
31	e8	203	PEB	C3D-C4D-ND	3.15	113.44	107.26
31	GK	201	PEB	C1B-C2B-C3B	-3.15	102.89	106.51
31	TG	202	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	gC	203	PEB	CHA-C1B-NB	-3.15	118.35	124.93
31	ZH	201	PEB	C3B-C4B-NB	3.15	114.63	110.05
31	f2	201	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
33	k3	1001	CYC	C1A-C2A-C3A	-3.15	103.30	106.78
33	n3	1001	CYC	C1A-C2A-C3A	-3.15	103.30	106.78
31	AI	201	PEB	C1B-C2B-C3B	-3.15	102.89	106.51
31	aF	203	PEB	C1B-C2B-C3B	-3.15	102.89	106.51
31	ZE	202	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	NF	201	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	AG	201	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	XH	202	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	A2	301	PEB	CMB-C2B-C1B	3.15	129.91	125.06
31	A6	305	PEB	CMB-C2B-C1B	3.15	129.91	125.06
31	G7	202	PEB	OA-C1A-C2A	-3.15	123.67	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	AJ	303	PUB	OA-C1A-NA	-3.15	121.27	125.93
32	x8	305	PUB	OA-C1A-NA	-3.15	121.27	125.93
31	d5	401	PEB	C1C-CHB-C4B	-3.15	125.05	128.81
31	X8	202	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
33	M2	201	CYC	C2A-C1A-NA	3.15	114.63	110.05
31	UI	202	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	A4	302	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
31	Y5	202	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
33	O3	1001	CYC	C1A-C2A-C3A	-3.15	103.30	106.78
31	AJ	304	PEB	CHC-C4C-C3C	-3.15	124.97	130.34
31	fB	202	PEB	CHC-C4C-C3C	-3.15	124.97	130.34
31	AE	301	PEB	C1B-C2B-C3B	-3.15	102.89	106.51
33	JC	1003	CYC	C2A-C1A-NA	3.15	114.63	110.05
31	lB	201	PEB	C4B-NB-C1B	-3.15	100.58	106.51
31	XG	201	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	xF	302	PEB	OD-C4D-ND	-3.15	121.27	125.93
31	FJ	202	PEB	C3D-C4D-ND	3.15	113.43	107.26
33	h3	1001	CYC	CAA-CBA-CGA	3.15	120.37	113.60
31	OE	202	PEB	C2A-C1A-NA	3.15	110.98	108.27
31	V1	203	PEB	CHC-C1D-ND	-3.15	110.29	113.95
31	pF	201	PEB	CHC-C1D-ND	-3.15	110.29	113.95
31	CH	203	PEB	C3B-C4B-NB	3.15	114.62	110.05
31	JK	202	PEB	C4B-C3B-C2B	-3.15	103.30	106.78
33	G6	1001	CYC	C1A-C2A-C3A	-3.15	103.30	106.78
31	N5	203	PEB	C1B-C2B-C3B	-3.15	102.90	106.51
31	WG	202	PEB	CHA-C1B-C2B	3.15	132.99	124.90
31	GG	202	PEB	C3B-C4B-NB	3.15	114.62	110.05
31	jB	201	PEB	C4B-NB-C1B	-3.14	100.58	106.51
31	T2	201	PEB	CHB-C4B-NB	-3.14	124.47	128.83
31	g4	202	PEB	CHC-C4C-C3C	-3.14	124.97	130.34
31	cH	201	PEB	OD-C4D-ND	-3.14	121.27	125.93
31	C7	202	PEB	OA-C1A-C2A	-3.14	123.67	126.17
33	I6	1001	CYC	CHB-C4A-NA	-3.14	118.36	124.93
31	NJ	203	PEB	C1B-C2B-C3B	-3.14	102.90	106.51
31	j4	202	PEB	C4B-C3B-C2B	-3.14	103.30	106.78
31	MA	201	PEB	CAB-CBB-CGB	-3.14	106.84	113.60
31	O1	201	PEB	C2A-C1A-NA	3.14	110.98	108.27
31	RE	201	PEB	OD-C4D-ND	-3.14	121.27	125.93
31	Y6	201	PEB	CMB-C2B-C1B	3.14	129.91	125.06
31	AG	202	PEB	CHA-C1B-NB	-3.14	118.36	124.93
31	TG	203	PEB	CHA-C1B-NB	-3.14	118.36	124.93
31	bD	201	PEB	C1B-C2B-C3B	-3.14	102.90	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OF	201	PEB	C4B-C3B-C2B	-3.14	103.30	106.78
31	h8	201	PEB	C4B-C3B-C2B	-3.14	103.30	106.78
31	Y1	303	PEB	C3B-C4B-NB	3.14	114.62	110.05
31	JJ	202	PEB	CMB-C2B-C1B	3.14	129.90	125.06
31	IA	201	PEB	CHA-C1B-NB	-3.14	118.36	124.93
31	OD	202	PEB	CHA-C1B-NB	-3.14	118.36	124.93
31	GD	202	PEB	C2A-C1A-NA	3.14	110.98	108.27
31	c8	201	PEB	C2A-C1A-NA	3.14	110.98	108.27
31	D9	202	PEB	C2A-C1A-NA	3.14	110.98	108.27
31	GH	201	PEB	C3B-C4B-NB	3.14	114.62	110.05
31	J6	1002	PEB	C3B-C4B-NB	3.14	114.62	110.05
31	J6	1002	PEB	CAB-C3B-C4B	3.14	130.57	125.01
31	Y7	503	PEB	CHA-C1B-NB	-3.14	118.36	124.93
33	73	1001	CYC	CAA-CBA-CGA	3.14	120.36	113.60
31	Q6	202	PEB	CHB-C4B-NB	-3.14	124.47	128.83
31	JH	202	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	AJ	304	PEB	C1B-C2B-C3B	-3.14	102.90	106.51
33	BD	1001	CYC	C1B-C2B-C3B	-3.14	104.59	107.87
33	ED	1001	CYC	C1B-C2B-C3B	-3.14	104.59	107.87
31	T8	202	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	f4	202	PEB	C3B-C4B-NB	3.14	114.62	110.05
31	a4	203	PEB	CMB-C2B-C1B	3.14	129.90	125.06
31	J9	202	PEB	C2A-C1A-NA	3.14	110.98	108.27
31	WD	201	PEB	C3B-C4B-NB	3.14	114.62	110.05
31	d5	401	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	HA	203	PEB	C1C-CHB-C4B	3.14	132.56	128.81
31	E5	202	PEB	OD-C4D-C3D	-3.14	122.34	129.46
31	Q5	202	PEB	C1B-C2B-C3B	-3.14	102.90	106.51
31	H5	202	PEB	C1B-C2B-C3B	-3.14	102.90	106.51
31	l2	203	PEB	OA-C1A-C2A	-3.14	123.68	126.17
31	D7	202	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	C8	201	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	AB	305	PEB	CMB-C2B-C1B	3.14	129.90	125.06
31	D9	202	PEB	C3B-C4B-NB	3.14	114.62	110.05
31	gH	202	PEB	CHC-C4C-C3C	-3.14	124.98	130.34
31	SI	203	PEB	C2A-C1A-NA	3.14	110.98	108.27
33	U3	1001	CYC	CAA-CBA-CGA	3.14	120.36	113.60
31	OI	201	PEB	CHC-C1D-ND	-3.14	110.30	113.95
31	Z6	201	PEB	CHA-C1B-NB	-3.14	118.36	124.93
31	DA	202	PEB	C3B-C4B-NB	3.14	114.62	110.05
31	QD	203	PEB	C3B-C4B-NB	3.14	114.62	110.05
32	Y1	304	PUB	OD-C4D-ND	-3.14	121.28	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	A5	302	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	W9	202	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	UA	302	PEB	C1C-CHB-C4B	3.14	132.56	128.81
31	f6	202	PEB	C2A-C1A-NA	3.14	110.98	108.27
31	ZE	203	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	XF	201	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	Z6	202	PEB	C1B-C2B-C3B	-3.14	102.90	106.51
33	KB	1001	CYC	CHA-C1A-NA	-3.14	124.47	128.83
31	PG	201	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	EH	202	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	x8	302	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	VA	202	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	YH	202	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	l8	201	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	YB	203	PEB	CAB-CBB-CGB	3.14	120.36	113.60
31	R6	203	PEB	CAB-CBB-CGB	3.14	120.36	113.60
33	Q3	1001	CYC	CAA-CBA-CGA	3.14	120.36	113.60
33	d3	1001	CYC	CAA-CBA-CGA	3.14	120.36	113.60
31	E7	203	PEB	C3D-C4D-ND	3.14	113.42	107.26
31	UI	201	PEB	OA-C1A-C2A	-3.14	123.68	126.17
31	F5	201	PEB	OA-C1A-C2A	-3.14	123.68	126.17
31	HF	201	PEB	CAA-C3A-C2A	3.14	122.10	114.26
31	D6	1002	PEB	CMB-C2B-C1B	3.14	129.90	125.06
31	lE	202	PEB	CMB-C2B-C1B	3.14	129.90	125.06
31	m6	201	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	XG	201	PEB	C3B-C4B-NB	3.14	114.61	110.05
33	GD	201	CYC	C2A-C1A-NA	3.14	114.61	110.05
31	cH	202	PEB	CMB-C2B-C1B	3.14	129.90	125.06
31	y8	301	PEB	CHA-C1B-NB	-3.14	118.37	124.93
31	KG	202	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	ZB	202	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	KE	201	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	O7	203	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
31	W8	202	PEB	CAA-C3A-C2A	-3.14	106.42	114.26
31	lE	202	PEB	CHC-C4C-C3C	-3.14	124.99	130.34
33	S3	1001	CYC	CAA-CBA-CGA	3.14	120.35	113.60
31	HA	201	PEB	OD-C4D-C3D	-3.14	122.35	129.46
31	wF	303	PEB	CHA-C1B-C2B	3.14	132.97	124.90
33	I3	1001	CYC	CAA-CBA-CGA	3.14	120.35	113.60
31	FI	203	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	cC	202	PEB	OD-C4D-C3D	-3.14	122.35	129.46
31	WH	202	PEB	C1B-C2B-C3B	-3.14	102.91	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gE	202	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	WB	201	PEB	C2B-C1B-NB	3.14	117.22	110.53
31	OA	201	PEB	C4B-C3B-C2B	-3.14	103.31	106.78
33	LD	1001	CYC	CMB-C2B-C1B	3.14	128.08	124.17
31	s8	203	PEB	CHC-C1D-ND	-3.14	110.31	113.95
31	B9	203	PEB	CHA-C1B-NB	-3.14	118.37	124.93
31	HG	201	PEB	CHC-C4C-C3C	-3.14	124.99	130.34
31	H8	202	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	qF	201	PEB	OD-C4D-ND	-3.14	121.28	125.93
31	H9	202	PEB	C2A-C1A-NA	3.14	110.98	108.27
31	YK	303	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	kE	202	PEB	C3B-C4B-NB	3.14	114.61	110.05
31	DA	203	PEB	OD-C4D-C3D	-3.14	122.36	129.46
31	RJ	202	PEB	CMB-C2B-C1B	3.14	129.89	125.06
31	LB	1002	PEB	C4B-C3B-C2B	-3.13	103.31	106.78
31	N1	201	PEB	C4B-C3B-C2B	-3.13	103.31	106.78
33	w3	1001	CYC	C1A-C2A-C3A	-3.13	103.31	106.78
31	EJ	202	PEB	OD-C4D-C3D	-3.13	122.36	129.46
31	V2	201	PEB	OD-C4D-ND	-3.13	121.29	125.93
33	D3	1001	CYC	CAA-CBA-CGA	3.13	120.35	113.60
31	J1	202	PEB	CHC-C1D-ND	-3.13	110.31	113.95
31	YH	201	PEB	C1B-C2B-C3B	-3.13	102.91	106.51
31	C4	201	PEB	OD-C4D-ND	-3.13	121.29	125.93
31	d5	401	PEB	C3B-C4B-NB	3.13	114.61	110.05
31	H8	201	PEB	CAA-C3A-C2A	3.13	122.09	114.26
33	u3	1001	CYC	CAA-CBA-CGA	3.13	120.35	113.60
31	lF	203	PEB	CMB-C2B-C1B	3.13	129.89	125.06
31	EH	203	PEB	CHA-C1B-NB	-3.13	118.38	124.93
31	yF	301	PEB	CHA-C1B-NB	-3.13	118.38	124.93
33	HC	1001	CYC	CHB-C4A-NA	-3.13	118.38	124.93
31	nF	202	PEB	CHB-C4B-C3B	-3.13	118.08	125.32
31	l6	202	PEB	OD-C4D-C3D	-3.13	122.36	129.46
31	YH	201	PEB	C3B-C4B-NB	3.13	114.61	110.05
31	L7	201	PEB	C2A-C1A-NA	3.13	110.97	108.27
31	L9	201	PEB	C2A-C1A-NA	3.13	110.97	108.27
33	o3	1001	CYC	C1A-C2A-C3A	-3.13	103.31	106.78
31	bD	201	PEB	OD-C4D-ND	-3.13	121.29	125.93
31	HG	202	PEB	CMB-C2B-C1B	3.13	129.89	125.06
31	U9	203	PEB	C1C-CHB-C4B	-3.13	125.07	128.81
33	L6	1001	CYC	C4D-CHA-C1A	3.13	132.55	128.81
33	f3	1001	CYC	C1A-C2A-C3A	-3.13	103.32	106.78
31	Y5	202	PEB	CHB-C4B-NB	-3.13	124.48	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	NG	201	PEB	OD-C4D-ND	-3.13	121.29	125.93
31	S4	201	PEB	C2A-C1A-NA	3.13	110.97	108.27
31	O5	201	PEB	C2A-C1A-NA	3.13	110.97	108.27
31	U7	203	PEB	CMB-C2B-C1B	3.13	129.89	125.06
31	CI	201	PEB	C1B-C2B-C3B	-3.13	102.91	106.51
31	S4	201	PEB	C1B-C2B-C3B	-3.13	102.91	106.51
31	N4	202	PEB	OA-C1A-C2A	-3.13	123.68	126.17
31	dD	201	PEB	OD-C4D-ND	-3.13	121.29	125.93
31	DF	201	PEB	CHC-C4C-C3C	-3.13	125.00	130.34
31	ZD	203	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	w8	303	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	aH	201	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	I1	201	PEB	OD-C4D-C3D	-3.13	122.36	129.46
33	L3	1001	CYC	C1A-C2A-C3A	-3.13	103.32	106.78
31	WA	402	PEB	CAC-C2C-C3C	3.13	136.24	127.25
31	e4	201	PEB	CAB-C3B-C4B	3.13	130.55	125.01
31	WH	201	PEB	C1B-C2B-C3B	-3.13	102.91	106.51
31	NA	203	PEB	OD-C4D-C3D	-3.13	122.37	129.46
32	A4	304	PUB	C4B-CHB-C1C	-3.13	125.07	128.81
31	MA	201	PEB	C2A-C1A-NA	3.13	110.97	108.27
31	PC	201	PEB	OD-C4D-ND	-3.13	121.29	125.93
33	HD	1001	CYC	CHA-C1A-NA	-3.13	124.48	128.83
33	L6	1001	CYC	CHB-C1B-NB	-3.13	119.34	126.06
31	iC	202	PEB	OA-C1A-C2A	-3.13	123.68	126.17
31	TB	201	PEB	CHA-C1B-NB	-3.13	118.39	124.93
31	gE	202	PEB	OD-C4D-ND	-3.13	121.29	125.93
33	ED	1001	CYC	CHA-C1A-NA	-3.13	124.48	128.83
31	S8	203	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	IG	203	PEB	CMB-C2B-C1B	3.13	129.88	125.06
31	YG	201	PEB	C2A-C1A-NA	3.13	110.97	108.27
31	jE	202	PEB	C4B-C3B-C2B	-3.13	103.32	106.78
31	IG	201	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	SD	202	PEB	C1B-C2B-C3B	-3.13	102.92	106.51
32	A4	303	PUB	CHA-C1B-C2B	-3.13	125.00	130.34
33	IB	1001	CYC	CHB-C4A-NA	-3.13	118.39	124.93
31	I4	202	PEB	OD-C4D-ND	-3.13	121.30	125.93
31	dF	201	PEB	CMB-C2B-C1B	3.13	129.88	125.06
33	Q3	1001	CYC	C1A-C2A-C3A	-3.13	103.32	106.78
31	lD	202	PEB	CHC-C4C-C3C	-3.13	125.00	130.34
33	n3	1001	CYC	CAA-CBA-CGA	3.13	120.33	113.60
31	q8	201	PEB	C1B-C2B-C3B	-3.13	102.92	106.51
31	S5	201	PEB	OD-C4D-ND	-3.13	121.30	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QI	202	PEB	CHA-C4A-NA	-3.13	121.49	125.20
31	TG	202	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	AJ	302	PEB	OD-C4D-C3D	-3.13	122.37	129.46
31	m6	203	PEB	CBB-CAB-C3B	3.13	121.32	112.63
31	C7	201	PEB	C4B-C3B-C2B	-3.13	103.32	106.78
31	uF	201	PEB	C4B-C3B-C2B	-3.13	103.32	106.78
31	QF	201	PEB	CAB-C3B-C4B	3.13	130.54	125.01
31	EF	201	PEB	OD-C4D-ND	-3.13	121.30	125.93
31	OF	201	PEB	OD-C4D-ND	-3.13	121.30	125.93
31	AJ	304	PEB	OD-C4D-ND	-3.13	121.30	125.93
31	U7	202	PEB	OD-C4D-ND	-3.13	121.30	125.93
31	FC	1002	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	X4	201	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	YB	201	PEB	CHB-C4B-NB	-3.13	124.49	128.83
31	b2	201	PEB	OD-C4D-C3D	-3.13	122.38	129.46
31	UD	203	PEB	OD-C4D-ND	-3.13	121.30	125.93
31	oF	202	PEB	OD-C4D-ND	-3.13	121.30	125.93
31	D7	201	PEB	CMB-C2B-C1B	3.13	129.88	125.06
31	OK	202	PEB	C1C-CHB-C4B	3.13	132.54	128.81
31	DC	1002	PEB	C1B-C2B-C3B	-3.13	102.92	106.51
31	f8	202	PEB	C1B-C2B-C3B	-3.13	102.92	106.51
31	F9	203	PEB	C3B-C4B-NB	3.13	114.60	110.05
31	R1	202	PEB	CHA-C1B-NB	-3.13	118.39	124.93
31	LJ	201	PEB	C4B-C3B-C2B	-3.13	103.32	106.78
33	HC	1001	CYC	C1B-NB-C4B	-3.13	106.69	110.67
31	YF	202	PEB	C1B-C2B-C3B	-3.13	102.92	106.51
31	mD	202	PEB	C1B-C2B-C3B	-3.13	102.92	106.51
31	vF	202	PEB	OA-C1A-C2A	-3.13	123.69	126.17
31	YB	202	PEB	CHA-C1B-NB	-3.13	118.40	124.93
31	b7	501	PEB	CHB-C4B-NB	-3.12	124.49	128.83
31	ZB	201	PEB	C2B-C1B-NB	3.12	117.20	110.53
31	LA	201	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
31	C4	201	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
31	X5	203	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
31	kD	202	PEB	C3B-C4B-NB	3.12	114.59	110.05
33	MD	1001	CYC	C2A-C1A-NA	3.12	114.59	110.05
31	T8	201	PEB	CHB-C4B-NB	-3.12	124.49	128.83
31	aF	202	PEB	CHB-C4B-NB	-3.12	124.49	128.83
31	MK	202	PEB	CHC-C4C-C3C	-3.12	125.01	130.34
31	W8	202	PEB	CHC-C4C-C3C	-3.12	125.01	130.34
33	L3	1001	CYC	CAA-CBA-CGA	3.12	120.32	113.60
31	NF	202	PEB	C4B-C3B-C2B	-3.12	103.33	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZB	201	PEB	CHA-C1B-NB	-3.12	118.40	124.93
31	OE	202	PEB	CHA-C1B-NB	-3.12	118.40	124.93
31	lB	202	PEB	OD-C4D-C3D	-3.12	122.38	129.46
31	sF	201	PEB	OD-C4D-C3D	-3.12	122.38	129.46
31	Q7	201	PEB	OA-C1A-C2A	-3.12	123.69	126.17
31	cE	201	PEB	CHB-C4B-NB	-3.12	124.50	128.83
31	gB	202	PEB	C2A-C1A-NA	3.12	110.97	108.27
31	cA	401	PEB	OD-C4D-ND	-3.12	121.30	125.93
31	N4	202	PEB	CHC-C1D-ND	-3.12	110.32	113.95
31	S5	202	PEB	OD-C4D-C3D	-3.12	122.39	129.46
31	SH	202	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
33	B3	1001	CYC	CAA-CBA-CGA	3.12	120.32	113.60
31	P1	201	PEB	CHA-C1B-NB	-3.12	118.40	124.93
31	gD	201	PEB	CHB-C4B-NB	-3.12	124.50	128.83
31	PF	201	PEB	OD-C4D-ND	-3.12	121.31	125.93
33	w3	1001	CYC	CAA-CBA-CGA	3.12	120.32	113.60
31	HG	202	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	SF	201	PEB	OA-C1A-C2A	-3.12	123.69	126.17
31	A2	302	PEB	OA-C1A-C2A	-3.12	123.69	126.17
31	KF	202	PEB	CBC-CAC-C2C	-3.12	107.29	112.62
31	TJ	202	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	G1	201	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	Y7	503	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	R5	202	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
31	u8	202	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
32	AE	303	PUB	CHB-C1C-NC	-3.12	124.50	128.83
31	h6	202	PEB	C1B-C2B-C3B	-3.12	102.92	106.51
31	I7	203	PEB	OD-C4D-C3D	-3.12	122.39	129.46
31	U7	203	PEB	OD-C4D-C3D	-3.12	122.39	129.46
31	RG	201	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	h8	202	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	U4	202	PEB	CHC-C1D-ND	-3.12	110.32	113.95
33	F3	1001	CYC	CAA-CBA-CGA	3.12	120.32	113.60
31	YE	201	PEB	OD-C4D-ND	-3.12	121.31	125.93
31	LJ	201	PEB	C1B-C2B-C3B	-3.12	102.92	106.51
31	Q8	202	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	h8	202	PEB	OA-C1A-C2A	-3.12	123.69	126.17
31	FI	202	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	V5	201	PEB	OD-C4D-C3D	-3.12	122.39	129.46
31	YD	201	PEB	CHC-C4C-C3C	-3.12	125.02	130.34
31	O8	201	PEB	OD-C4D-ND	-3.12	121.31	125.93
31	h8	202	PEB	OD-C4D-ND	-3.12	121.31	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PK	201	PEB	CHA-C1B-NB	-3.12	118.41	124.93
31	cC	202	PEB	CHC-C4C-C3C	-3.12	125.02	130.34
31	CG	201	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	BJ	201	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	gA	201	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	C7	202	PEB	C1B-C2B-C3B	-3.12	102.93	106.51
31	IH	202	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
33	LB	1001	CYC	CHB-C1B-NB	-3.12	119.36	126.06
31	HF	202	PEB	OD-C4D-ND	-3.12	121.31	125.93
32	AJ	303	PUB	OD-C4D-ND	-3.12	121.31	125.93
31	jD	201	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	YE	202	PEB	CBC-CAC-C2C	3.12	117.94	112.62
31	A8	201	PEB	CHA-C1B-C2B	3.12	132.92	124.90
31	ZA	202	PEB	C3B-C4B-NB	3.12	114.59	110.05
31	E1	202	PEB	CMB-C2B-C1B	3.12	129.87	125.06
31	SI	202	PEB	C1B-C2B-C3B	-3.12	102.93	106.51
31	h2	201	PEB	OD-C4D-ND	-3.12	121.31	125.93
33	O3	1001	CYC	CAA-CBA-CGA	3.12	120.31	113.60
31	OD	201	PEB	C3B-C4B-NB	3.12	114.58	110.05
31	a8	203	PEB	C3B-C4B-NB	3.12	114.58	110.05
33	k3	1001	CYC	CAA-CBA-CGA	3.12	120.31	113.60
31	OE	203	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	w8	303	PEB	CHA-C1B-C2B	3.12	132.92	124.90
31	QE	202	PEB	OD-C4D-ND	-3.12	121.31	125.93
31	UH	201	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
31	Z6	201	PEB	C2B-C1B-NB	3.12	117.18	110.53
33	H2	1001	CYC	CHB-C4A-NA	-3.12	118.41	124.93
31	H7	202	PEB	CMB-C2B-C1B	3.12	129.86	125.06
31	R5	202	PEB	C3B-C4B-NB	3.12	114.58	110.05
31	g6	201	PEB	C3B-C4B-NB	3.12	114.58	110.05
31	H2	1002	PEB	OA-C1A-C2A	-3.12	123.69	126.17
31	UH	202	PEB	CHA-C1B-C2B	3.12	132.91	124.90
33	EE	1001	CYC	CHA-C1A-NA	-3.12	124.50	128.83
31	WA	402	PEB	C3B-C4B-NB	3.12	114.58	110.05
31	VG	201	PEB	C3B-C4B-NB	3.12	114.58	110.05
31	G4	203	PEB	C3B-C4B-NB	3.12	114.58	110.05
33	DE	1001	CYC	CAB-C3B-C4B	3.12	126.30	121.38
31	OF	203	PEB	C1B-C2B-C3B	-3.12	102.93	106.51
31	SH	202	PEB	C1B-C2B-C3B	-3.12	102.93	106.51
31	M7	202	PEB	C1B-C2B-C3B	-3.12	102.93	106.51
31	m2	201	PEB	C4B-C3B-C2B	-3.12	103.33	106.78
31	GG	202	PEB	OD-C4D-ND	-3.12	121.31	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N7	202	PEB	OD-C4D-ND	-3.12	121.31	125.93
31	P8	201	PEB	OD-C4D-ND	-3.12	121.31	125.93
31	U6	202	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	dE	204	PEB	C2A-C1A-NA	3.12	110.96	108.27
31	mB	201	PEB	CHC-C4C-C3C	-3.12	125.02	130.34
31	AF	201	PEB	CHA-C1B-C2B	3.12	132.91	124.90
31	SC	201	PEB	OD-C4D-ND	-3.12	121.31	125.93
31	P4	202	PEB	OD-C4D-ND	-3.12	121.31	125.93
31	AD	301	PEB	C1B-C2B-C3B	-3.12	102.93	106.51
31	PF	202	PEB	CBC-CAC-C2C	3.12	117.94	112.62
32	yF	303	PUB	CHA-C1B-C2B	-3.11	125.02	130.34
31	BI	203	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	S4	203	PEB	C2A-C1A-NA	3.11	110.96	108.27
31	Z6	202	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	gH	202	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	c2	202	PEB	CHC-C4C-C3C	-3.11	125.03	130.34
32	y8	303	PUB	CHA-C1B-C2B	-3.11	125.03	130.34
31	EH	202	PEB	C4B-C3B-C2B	-3.11	103.34	106.78
31	O8	201	PEB	C4B-C3B-C2B	-3.11	103.34	106.78
31	v8	202	PEB	C4B-C3B-C2B	-3.11	103.34	106.78
31	U4	202	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	CJ	201	PEB	CHC-C1D-ND	-3.11	110.33	113.95
31	k6	202	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	AG	201	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	FI	203	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	gA	202	PEB	C2A-C1A-NA	3.11	110.96	108.27
31	Y1	301	PEB	CHA-C1B-C2B	3.11	132.91	124.90
31	VB	201	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	JK	201	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	hF	201	PEB	OA-C1A-NA	3.11	128.71	124.94
31	BI	202	PEB	OA-C1A-C2A	-3.11	123.70	126.17
31	JG	202	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	OD	203	PEB	C1B-C2B-C3B	-3.11	102.93	106.51
31	fF	202	PEB	C1B-C2B-C3B	-3.11	102.93	106.51
31	TE	201	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	ZB	202	PEB	CMB-C2B-C1B	3.11	129.86	125.06
31	vF	202	PEB	CMB-C2B-C1B	3.11	129.86	125.06
33	KC	201	CYC	CBD-CAD-C3D	-3.11	107.31	112.62
31	YE	201	PEB	CHC-C4C-C3C	-3.11	125.03	130.34
33	M3	1001	CYC	CAA-CBA-CGA	3.11	120.30	113.60
31	VG	201	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	lF	202	PEB	OD-C4D-ND	-3.11	121.32	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	M1	202	PEB	CHC-C4C-C3C	-3.11	125.03	130.34
31	X8	203	PEB	C4B-C3B-C2B	-3.11	103.34	106.78
31	VI	201	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	F5	202	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	H7	201	PEB	C3B-C4B-NB	3.11	114.58	110.05
31	FF	201	PEB	CAB-C3B-C4B	3.11	130.51	125.01
31	Y1	302	PEB	C2A-C1A-NA	3.11	110.95	108.27
31	B5	202	PEB	C2A-C1A-NA	3.11	110.95	108.27
33	E2	1001	CYC	C1A-C2A-C3A	-3.11	103.34	106.78
31	FC	1002	PEB	CHB-C4B-NB	-3.11	124.51	128.83
31	dE	201	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	wF	303	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	F5	202	PEB	C3D-C4D-ND	3.11	113.36	107.26
31	U8	202	PEB	C3D-C4D-ND	3.11	113.36	107.26
31	C7	201	PEB	CMB-C2B-C1B	3.11	129.85	125.06
31	VE	202	PEB	CHA-C1B-NB	-3.11	118.43	124.93
31	AH	302	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	XI	201	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	E4	202	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	G5	202	PEB	CAC-CBC-CGC	-3.11	105.04	113.76
33	NC	1001	CYC	CHB-C4A-NA	-3.11	118.43	124.93
31	Y6	203	PEB	CAB-CBB-CGB	3.11	120.30	113.60
33	B3	1001	CYC	C1A-C2A-C3A	-3.11	103.34	106.78
31	VC	201	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	Y5	202	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	VD	202	PEB	CHA-C1B-NB	-3.11	118.43	124.93
31	Y6	202	PEB	CHA-C1B-NB	-3.11	118.43	124.93
33	q3	1001	CYC	CAA-CBA-CGA	3.11	120.29	113.60
31	OC	203	PEB	OD-C4D-ND	-3.11	121.32	125.93
31	W9	203	PEB	C2A-C1A-NA	3.11	110.95	108.27
31	a4	201	PEB	CHA-C1B-NB	-3.11	118.43	124.93
31	W6	201	PEB	C2B-C1B-NB	3.11	117.17	110.53
31	fE	202	PEB	C3B-C4B-NB	3.11	114.57	110.05
33	o3	1001	CYC	CAA-CBA-CGA	3.11	120.29	113.60
31	P8	202	PEB	CBC-CAC-C2C	3.11	117.92	112.62
31	VB	202	PEB	CHC-C1D-ND	-3.11	110.34	113.95
31	N5	202	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	GG	201	PEB	OD-C4D-C3D	-3.11	122.42	129.46
31	FI	201	PEB	CMB-C2B-C1B	3.11	129.85	125.06
31	VC	201	PEB	OD-C4D-ND	-3.11	121.33	125.93
31	QG	201	PEB	OD-C4D-ND	-3.11	121.33	125.93
31	WG	203	PEB	C4B-C3B-C2B	-3.11	103.34	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	k8	202	PEB	C4B-C3B-C2B	-3.11	103.34	106.78
31	W4	203	PEB	C2A-C1A-NA	3.11	110.95	108.27
31	SE	203	PEB	CHB-C4B-NB	-3.11	124.52	128.83
31	QE	203	PEB	C1C-CHB-C4B	3.11	132.52	128.81
31	gD	202	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	G7	202	PEB	OD-C4D-ND	-3.11	121.33	125.93
32	N5	201	PUB	C1C-C2C-C3C	-3.11	103.34	106.78
31	BJ	202	PEB	C1C-CHB-C4B	3.11	132.52	128.81
31	Q7	203	PEB	C1B-C2B-C3B	-3.11	102.94	106.51
31	D4	201	PEB	OA-C1A-C2A	-3.11	123.70	126.17
31	p8	202	PEB	C2A-C1A-NA	3.11	110.95	108.27
31	hH	201	PEB	C2A-C1A-NA	3.11	110.95	108.27
31	SB	202	PEB	OD-C4D-ND	-3.11	121.33	125.93
31	l4	203	PEB	C4B-C3B-C2B	-3.11	103.34	106.78
31	CA	202	PEB	C3D-C4D-ND	3.11	113.35	107.26
31	Y1	301	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	j8	201	PEB	C3B-C4B-NB	3.11	114.57	110.05
31	NH	202	PEB	OD-C4D-ND	-3.11	121.33	125.93
31	M7	202	PEB	OD-C4D-ND	-3.11	121.33	125.93
31	dB	202	PEB	C1B-C2B-C3B	-3.11	102.94	106.51
33	f3	1001	CYC	CAA-CBA-CGA	3.11	120.29	113.60
31	cF	203	PEB	CHC-C1D-ND	-3.11	110.34	113.95
31	JG	201	PEB	C2A-C1A-NA	3.11	110.95	108.27
31	R7	201	PEB	OD-C4D-ND	-3.11	121.33	125.93
31	XG	202	PEB	C4B-C3B-C2B	-3.11	103.35	106.78
31	QA	203	PEB	C1B-C2B-C3B	-3.10	102.94	106.51
31	BA	203	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	I7	202	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	T4	202	PEB	OD-C4D-ND	-3.10	121.33	125.93
31	mC	201	PEB	C4B-C3B-C2B	-3.10	103.35	106.78
33	MB	1001	CYC	C1A-C2A-C3A	-3.10	103.35	106.78
31	D9	201	PEB	C2A-C1A-NA	3.10	110.95	108.27
33	j3	1001	CYC	CAA-CBA-CGA	3.10	120.28	113.60
31	HC	1002	PEB	C1B-C2B-C3B	-3.10	102.94	106.51
31	f2	202	PEB	C1B-C2B-C3B	-3.10	102.94	106.51
31	d5	401	PEB	C1B-C2B-C3B	-3.10	102.94	106.51
31	cA	402	PEB	C1B-C2B-C3B	-3.10	102.94	106.51
31	KG	202	PEB	C3B-C4B-NB	3.10	114.56	110.05
32	A6	303	PUB	OD-C4D-ND	-3.10	121.33	125.93
31	YB	201	PEB	C4B-C3B-C2B	-3.10	103.35	106.78
31	OB	202	PEB	CHC-C4C-C3C	-3.10	125.04	130.34
31	RA	202	PEB	C3B-C4B-NB	3.10	114.56	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	aF	202	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	eF	203	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	EI	202	PEB	OD-C4D-ND	-3.10	121.33	125.93
31	D2	1002	PEB	C1B-C2B-C3B	-3.10	102.94	106.51
31	G4	202	PEB	C1B-C2B-C3B	-3.10	102.94	106.51
31	EK	202	PEB	C2A-C1A-NA	3.10	110.95	108.27
33	H3	1001	CYC	CAA-CBA-CGA	3.10	120.28	113.60
31	JB	1002	PEB	CAB-C3B-C4B	3.10	130.50	125.01
31	Y7	503	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	RI	202	PEB	C4B-C3B-C2B	-3.10	103.35	106.78
31	H6	1002	PEB	C1C-CHB-C4B	3.10	132.51	128.81
33	DD	1001	CYC	CAB-C3B-C4B	3.10	126.28	121.38
31	c2	202	PEB	OD-C4D-C3D	-3.10	122.43	129.46
31	a8	203	PEB	C1B-C2B-C3B	-3.10	102.95	106.51
31	MJ	202	PEB	CHC-C4C-C3C	-3.10	125.05	130.34
31	O6	202	PEB	CMB-C2B-C1B	3.10	129.84	125.06
31	kC	202	PEB	CAA-C3A-C4A	3.10	120.64	112.67
31	Q6	201	PEB	CHA-C4A-NA	3.10	128.89	125.20
31	mB	203	PEB	CBB-CAB-C3B	3.10	121.25	112.63
31	i6	202	PEB	OD-C4D-C3D	-3.10	122.43	129.46
31	Z4	202	PEB	OD-C4D-ND	-3.10	121.33	125.93
31	T6	201	PEB	OD-C4D-ND	-3.10	121.33	125.93
31	FA	201	PEB	C4B-C3B-C2B	-3.10	103.35	106.78
31	fC	201	PEB	C4B-C3B-C2B	-3.10	103.35	106.78
33	K2	201	CYC	C1A-C2A-C3A	-3.10	103.35	106.78
31	VK	203	PEB	CHC-C1D-ND	-3.10	110.35	113.95
31	R1	201	PEB	OD-C4D-ND	-3.10	121.34	125.93
33	N2	1001	CYC	CHB-C4A-NA	-3.10	118.45	124.93
31	wF	302	PEB	C4B-C3B-C2B	-3.10	103.35	106.78
31	X5	202	PEB	C1B-C2B-C3B	-3.10	102.95	106.51
31	I7	203	PEB	C1B-C2B-C3B	-3.10	102.95	106.51
31	iB	201	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	HD	1002	PEB	OA-C1A-C2A	-3.10	123.71	126.17
31	PJ	201	PEB	OA-C1A-C2A	-3.10	123.71	126.17
31	VH	201	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	RI	201	PEB	C3B-C4B-NB	3.10	114.56	110.05
32	NJ	201	PUB	C1C-C2C-C3C	-3.10	103.35	106.78
31	HJ	202	PEB	C1B-C2B-C3B	-3.10	102.95	106.51
31	MJ	201	PEB	C1B-C2B-C3B	-3.10	102.95	106.51
31	SB	201	PEB	C2A-C1A-NA	3.10	110.94	108.27
31	n8	202	PEB	C2A-C1A-NA	3.10	110.94	108.27
31	LH	202	PEB	OD-C4D-ND	-3.10	121.34	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KE	201	PEB	C1C-CHB-C4B	3.10	132.51	128.81
33	63	901	CYC	OC-C1C-C2C	-3.10	123.71	126.17
31	m4	201	PEB	CHA-C1B-NB	-3.10	118.45	124.93
31	F2	1002	PEB	OD-C4D-ND	-3.10	121.34	125.93
31	UD	201	PEB	C2A-C1A-NA	3.10	110.94	108.27
31	F7	202	PEB	C2A-C1A-NA	3.10	110.94	108.27
31	V8	202	PEB	C2A-C1A-NA	3.10	110.94	108.27
31	NI	201	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	KJ	201	PEB	CMB-C2B-C1B	3.10	129.84	125.06
33	63	901	CYC	C1B-C2B-C3B	-3.10	104.64	107.87
31	k2	202	PEB	CAA-C3A-C4A	3.10	120.63	112.67
31	U5	201	PEB	C4B-C3B-C2B	-3.10	103.35	106.78
31	Z8	201	PEB	OA-C1A-C2A	-3.10	123.71	126.17
31	wF	301	PEB	OA-C1A-C2A	-3.10	123.71	126.17
32	x8	305	PUB	CHA-C4A-NA	-3.10	110.35	113.95
31	F8	201	PEB	CAB-C3B-C4B	3.10	130.49	125.01
31	QE	203	PEB	C3B-C4B-NB	3.10	114.56	110.05
31	JB	1002	PEB	CMB-C2B-C1B	3.10	129.83	125.06
31	SG	201	PEB	CHC-C4C-C3C	-3.10	125.05	130.34
31	YK	301	PEB	CHA-C1B-C2B	3.10	132.87	124.90
31	T5	202	PEB	OD-C4D-ND	-3.10	121.34	125.93
31	EG	202	PEB	C4B-C3B-C2B	-3.10	103.36	106.78
31	U5	202	PEB	C4B-C3B-C2B	-3.10	103.36	106.78
31	N5	204	PEB	CHC-C1D-ND	-3.10	110.35	113.95
33	ID	1001	CYC	C1B-NB-C4B	-3.10	106.73	110.67
31	RE	202	PEB	C1C-CHB-C4B	-3.10	125.11	128.81
31	VH	202	PEB	OD-C4D-ND	-3.10	121.34	125.93
31	G7	203	PEB	OD-C4D-ND	-3.10	121.34	125.93
32	ZI	302	PUB	OA-C1A-NA	-3.10	121.34	125.93
31	M5	202	PEB	CHC-C4C-C3C	-3.10	125.06	130.34
31	U7	203	PEB	C3D-C4D-ND	3.10	113.33	107.26
31	W8	202	PEB	CHA-C1B-C2B	3.10	132.86	124.90
31	SJ	202	PEB	OD-C4D-C3D	-3.10	122.44	129.46
31	lE	201	PEB	CHA-C1B-NB	-3.10	118.46	124.93
31	S8	203	PEB	C1C-CHB-C4B	3.10	132.51	128.81
31	kB	202	PEB	OD-C4D-ND	-3.10	121.34	125.93
31	C7	202	PEB	C3B-C4B-NB	3.10	114.55	110.05
31	TG	201	PEB	CHA-C1B-C2B	3.10	132.86	124.90
31	gE	201	PEB	CHB-C4B-NB	-3.10	124.53	128.83
31	W1	202	PEB	C4B-C3B-C2B	-3.10	103.36	106.78
31	W4	203	PEB	C4B-C3B-C2B	-3.10	103.36	106.78
31	k8	203	PEB	C4B-C3B-C2B	-3.10	103.36	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	eH	201	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	GJ	202	PEB	CAC-CBC-CGC	-3.09	105.08	113.76
31	hF	202	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	KG	203	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	D4	201	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	KH	202	PEB	OD-C4D-C3D	-3.09	122.45	129.46
31	NA	202	PEB	CHC-C1D-ND	-3.09	110.35	113.95
31	f2	203	PEB	CHC-C1D-ND	-3.09	110.35	113.95
31	jE	202	PEB	CMB-C2B-C1B	3.09	129.83	125.06
31	OD	201	PEB	CHB-C4B-C3B	-3.09	118.17	125.32
31	r8	202	PEB	CHA-C1B-NB	-3.09	118.46	124.93
31	YH	202	PEB	OA-C1A-C2A	-3.09	123.71	126.17
33	V3	1001	CYC	CMC-C2C-C1C	3.09	119.07	112.40
31	I7	202	PEB	C2A-C1A-NA	3.09	110.94	108.27
31	jE	201	PEB	C2A-C1A-NA	3.09	110.94	108.27
31	YD	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	K4	203	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	h4	203	PEB	OD-C4D-ND	-3.09	121.35	125.93
32	A5	303	PUB	OD-C4D-ND	-3.09	121.35	125.93
31	U2	202	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	M8	203	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	aD	202	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	gH	201	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	RK	202	PEB	CHA-C1B-NB	-3.09	118.46	124.93
31	lC	202	PEB	CHA-C1B-C2B	3.09	132.85	124.90
31	iB	202	PEB	OD-C4D-C3D	-3.09	122.45	129.46
31	iC	201	PEB	CHC-C4C-C3C	-3.09	125.06	130.34
31	aF	203	PEB	CHC-C4C-C3C	-3.09	125.06	130.34
31	XJ	201	PEB	CHB-C4B-NB	-3.09	124.54	128.83
31	IA	203	PEB	C1C-CHB-C4B	-3.09	125.11	128.81
31	i2	201	PEB	C1C-CHB-C4B	3.09	132.50	128.81
31	V4	201	PEB	CHA-C1B-NB	-3.09	118.46	124.93
31	lC	201	PEB	CMB-C2B-C1B	3.09	129.83	125.06
31	TI	201	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	iB	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	LG	202	PEB	CHA-C1B-NB	-3.09	118.46	124.93
31	OH	203	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	VI	202	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	E8	202	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	N8	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	A6	301	PEB	CMB-C2B-C1B	3.09	129.83	125.06
31	AI	201	PEB	C3B-C4B-NB	3.09	114.55	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	k6	203	PEB	CHB-C4B-NB	-3.09	124.54	128.83
31	cD	201	PEB	CHB-C4B-NB	-3.09	124.54	128.83
31	HK	203	PEB	CHA-C4A-NA	-3.09	121.53	125.20
31	ZB	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	RI	202	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	D5	203	PEB	C3D-C4D-ND	3.09	113.33	107.26
31	L4	201	PEB	CHA-C1B-NB	-3.09	118.47	124.93
31	N8	202	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	Y6	203	PEB	OA-C1A-C2A	-3.09	123.72	126.17
31	UG	202	PEB	C2A-C1A-NA	3.09	110.94	108.27
31	PK	201	PEB	C2A-C1A-NA	3.09	110.94	108.27
31	GI	202	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	SJ	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	o8	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	lF	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	LG	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	g6	201	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	YF	202	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	LG	202	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	CI	201	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	d2	203	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	aA	201	PEB	C3B-C4B-NB	3.09	114.55	110.05
31	CJ	201	PEB	C1C-CHB-C4B	3.09	132.50	128.81
31	aE	201	PEB	CBC-CAC-C2C	3.09	117.89	112.62
32	AC	304	PUB	CMA-C2A-C3A	3.09	136.02	129.67
31	cA	403	PEB	CHC-C4C-C3C	-3.09	125.07	130.34
31	QB	202	PEB	CHB-C4B-NB	-3.09	124.54	128.83
31	MK	201	PEB	CMB-C2B-C1B	3.09	129.82	125.06
31	Q1	201	PEB	OD-C4D-C3D	-3.09	122.46	129.46
31	WF	203	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	P6	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	J9	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	YB	203	PEB	OA-C1A-C2A	-3.09	123.72	126.17
31	QJ	202	PEB	OA-C1A-C2A	-3.09	123.72	126.17
33	x3	1001	CYC	CMC-C2C-C1C	3.09	119.06	112.40
31	H6	1002	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	fC	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	R8	202	PEB	OD-C4D-C3D	-3.09	122.46	129.46
31	d4	203	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	QD	202	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	l2	203	PEB	CHA-C1B-C2B	3.09	132.84	124.90
31	OE	201	PEB	CHB-C4B-C3B	-3.09	118.18	125.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	s8	201	PEB	OD-C4D-C3D	-3.09	122.46	129.46
31	Q4	204	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	E7	201	PEB	OD-C4D-ND	-3.09	121.35	125.93
31	P6	201	PEB	CHB-C4B-NB	-3.09	124.54	128.83
31	F2	1002	PEB	C3B-C4B-NB	3.09	114.54	110.05
31	e6	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	h8	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	H9	201	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
33	EE	1001	CYC	C1B-NB-C4B	-3.09	106.74	110.67
31	xF	303	PEB	OD-C4D-C3D	-3.09	122.46	129.46
31	LF	202	PEB	CAB-C3B-C4B	3.09	130.47	125.01
31	EG	201	PEB	C3B-C4B-NB	3.09	114.54	110.05
31	EI	201	PEB	C3B-C4B-NB	3.09	114.54	110.05
31	YJ	202	PEB	C3B-C4B-NB	3.09	114.54	110.05
31	PE	202	PEB	C4B-C3B-C2B	-3.09	103.36	106.78
31	Q5	201	PEB	C2A-C1A-NA	3.09	110.94	108.27
31	ZH	202	PEB	OD-C4D-ND	-3.09	121.36	125.93
31	k2	202	PEB	CHC-C4C-C3C	-3.09	125.07	130.34
31	A5	304	PEB	CHC-C4C-C3C	-3.09	125.07	130.34
31	CJ	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	S4	201	PEB	CHA-C1B-NB	-3.09	118.47	124.93
31	m8	201	PEB	CMB-C2B-C1B	3.09	129.82	125.06
31	PD	202	PEB	C4B-C3B-C2B	-3.09	103.37	106.78
31	RH	201	PEB	OD-C4D-ND	-3.09	121.36	125.93
31	TJ	201	PEB	CHA-C1B-NB	-3.09	118.48	124.93
31	mF	201	PEB	CHA-C1B-NB	-3.09	118.48	124.93
31	qF	201	PEB	C2A-C1A-NA	3.09	110.93	108.27
31	Y1	303	PEB	OD-C4D-C3D	-3.09	122.47	129.46
31	U4	203	PEB	C3B-C4B-NB	3.09	114.54	110.05
31	IH	202	PEB	C1B-C2B-C3B	-3.09	102.96	106.51
31	aE	201	PEB	C1C-CHB-C4B	3.09	132.50	128.81
31	Q5	202	PEB	OA-C1A-C2A	-3.09	123.72	126.17
31	TC	202	PEB	C4B-C3B-C2B	-3.09	103.37	106.78
32	xF	301	PUB	CAC-CBC-CGC	-3.09	106.96	113.60
31	a8	202	PEB	CHB-C4B-NB	-3.09	124.55	128.83
31	fD	202	PEB	C3B-C4B-NB	3.09	114.54	110.05
31	TK	203	PEB	CHB-C4B-C3B	-3.09	118.19	125.32
31	UC	201	PEB	OD-C4D-C3D	-3.09	122.47	129.46
31	VE	202	PEB	CMB-C2B-C1B	3.09	129.82	125.06
31	W9	202	PEB	CHC-C1D-ND	-3.09	110.36	113.95
31	ID	203	PEB	CHC-C1D-ND	-3.09	110.36	113.95
31	SB	201	PEB	C1B-C2B-C3B	-3.09	102.97	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	DI	202	PEB	C1B-C2B-C3B	-3.09	102.97	106.51
31	d4	203	PEB	C1B-C2B-C3B	-3.09	102.97	106.51
31	XI	202	PEB	C4B-C3B-C2B	-3.09	103.37	106.78
31	OI	201	PEB	CHA-C1B-C2B	-3.08	116.97	124.90
31	Z4	201	PEB	CHA-C1B-C2B	3.08	132.83	124.90
32	A2	303	PUB	OA-C1A-NA	-3.08	121.36	125.93
31	d6	202	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	JB	1002	PEB	C3B-C4B-NB	3.08	114.54	110.05
31	NG	201	PEB	C3B-C4B-NB	3.08	114.54	110.05
33	L6	1001	CYC	OB-C4B-C3B	-3.08	124.69	128.04
31	eB	201	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	E4	201	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	dE	203	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	OG	202	PEB	C1C-CHB-C4B	3.08	132.49	128.81
31	BG	203	PEB	CHA-C1B-NB	-3.08	118.48	124.93
31	T5	201	PEB	CHA-C1B-NB	-3.08	118.48	124.93
33	K6	1001	CYC	CHA-C1A-NA	-3.08	124.55	128.83
31	l2	202	PEB	CMB-C2B-C1B	3.08	129.81	125.06
31	E8	201	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	o8	202	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	aA	201	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	vF	201	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	dJ	401	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	XJ	203	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	R5	201	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	jB	201	PEB	C2B-C1B-NB	3.08	117.11	110.53
31	uF	202	PEB	CHA-C1B-C2B	3.08	132.83	124.90
31	P7	201	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	U6	202	PEB	CMB-C2B-C1B	3.08	129.81	125.06
32	AB	302	PUB	CHA-C4A-NA	-3.08	110.37	113.95
31	M7	203	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	cA	403	PEB	CHA-C1B-NB	-3.08	118.48	124.93
31	P2	201	PEB	CHC-C4C-C3C	-3.08	125.08	130.34
31	jD	202	PEB	CMB-C2B-C1B	3.08	129.81	125.06
31	gB	202	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	Z6	202	PEB	C3B-C4B-NB	3.08	114.53	110.05
31	O4	203	PEB	OD-C4D-ND	-3.08	121.36	125.93
31	W4	203	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	LD	1002	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	j6	201	PEB	C2B-C1B-NB	3.08	117.11	110.53
31	NB	1002	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	PG	202	PEB	C4B-C3B-C2B	-3.08	103.37	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	CB	1001	CYC	C1A-C2A-C3A	-3.08	103.37	106.78
31	QE	203	PEB	OA-C1A-C2A	-3.08	123.72	126.17
31	V6	202	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	uF	202	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	EI	201	PEB	CMB-C2B-C1B	3.08	129.81	125.06
31	T2	201	PEB	CMB-C2B-C1B	3.08	129.81	125.06
31	GA	203	PEB	C3B-C4B-NB	3.08	114.53	110.05
31	G5	201	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	q8	201	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	i4	201	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	BA	203	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	EI	202	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	PI	202	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	PJ	203	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	g6	202	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	NG	203	PEB	CMB-C2B-C1B	3.08	129.81	125.06
31	dB	202	PEB	CMB-C2B-C1B	3.08	129.81	125.06
31	p8	201	PEB	CHC-C1D-ND	-3.08	110.37	113.95
31	SH	202	PEB	C3B-C4B-NB	3.08	114.53	110.05
31	m6	201	PEB	CHC-C4C-C3C	-3.08	125.08	130.34
31	WF	202	PEB	CAA-C3A-C2A	-3.08	106.56	114.26
31	m6	201	PEB	CHB-C4B-NB	-3.08	124.55	128.83
31	TI	202	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	Q4	201	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	Q6	201	PEB	C4B-C3B-C2B	-3.08	103.37	106.78
31	ZB	202	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	PD	201	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	V4	202	PEB	CHC-C4C-C3C	-3.08	125.08	130.34
31	aD	201	PEB	C1C-CHB-C4B	3.08	132.49	128.81
31	a4	201	PEB	C3B-C4B-NB	3.08	114.53	110.05
31	W8	201	PEB	C3B-C4B-NB	3.08	114.53	110.05
33	GE	201	CYC	C2A-C1A-NA	3.08	114.53	110.05
31	QA	202	PEB	CHA-C1B-NB	-3.08	118.49	124.93
31	OK	201	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	MF	203	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	RK	201	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	Q8	203	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	WG	203	PEB	CHC-C4C-C3C	-3.08	125.08	130.34
31	OH	201	PEB	CHA-C1B-NB	-3.08	118.49	124.93
31	QC	203	PEB	C3B-C4B-NB	3.08	114.53	110.05
31	b2	203	PEB	C3B-C4B-NB	3.08	114.53	110.05
31	F4	202	PEB	CAB-C3B-C4B	3.08	130.46	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fE	203	PEB	C4B-C3B-C2B	-3.08	103.38	106.78
31	AI	202	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	k2	202	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	fH	202	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	I4	201	PEB	CHA-C1B-NB	-3.08	118.49	124.93
31	QH	203	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	Q7	202	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	yF	301	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	SG	201	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	i2	201	PEB	CHC-C4C-C3C	-3.08	125.09	130.34
31	CF	202	PEB	OD-C4D-ND	-3.08	121.37	125.93
31	t8	202	PEB	CHC-C4C-C3C	-3.08	125.09	130.34
31	R1	203	PEB	C4B-C3B-C2B	-3.08	103.38	106.78
31	L7	201	PEB	CMB-C2B-C1B	3.08	129.80	125.06
31	U7	203	PEB	CHC-C1D-ND	-3.08	110.37	113.95
31	O1	202	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	O4	201	PEB	C1B-C2B-C3B	-3.08	102.97	106.51
31	DK	203	PEB	C2A-C1A-NA	3.08	110.93	108.27
31	Y8	202	PEB	C4B-C3B-C2B	-3.08	103.38	106.78
31	dH	202	PEB	C4B-C3B-C2B	-3.08	103.38	106.78
31	WK	202	PEB	C3B-C4B-NB	3.08	114.53	110.05
31	AI	202	PEB	C4B-C3B-C2B	-3.08	103.38	106.78
31	ID	201	PEB	C4B-C3B-C2B	-3.08	103.38	106.78
31	Q8	201	PEB	CAB-C3B-C4B	3.08	130.45	125.01
31	eD	201	PEB	C1B-C2B-C3B	-3.08	102.98	106.51
31	R5	202	PEB	CMB-C2B-C1B	3.08	129.80	125.06
31	SF	203	PEB	C3B-C4B-NB	3.08	114.52	110.05
31	U6	202	PEB	C3B-C4B-NB	3.08	114.52	110.05
31	VH	202	PEB	CAB-C3B-C4B	3.08	130.45	125.01
31	O1	202	PEB	C1C-CHB-C4B	3.08	132.48	128.81
31	NK	201	PEB	C4B-C3B-C2B	-3.08	103.38	106.78
31	YJ	202	PEB	CHB-C4B-NB	-3.08	124.56	128.83
31	j2	202	PEB	C1B-C2B-C3B	-3.08	102.98	106.51
31	C5	202	PEB	C1B-C2B-C3B	-3.08	102.98	106.51
31	H1	203	PEB	CHA-C4A-NA	-3.07	121.55	125.20
33	JC	1003	CYC	CMB-C2B-C1B	3.07	128.01	124.17
31	kC	202	PEB	OD-C4D-ND	-3.07	121.38	125.93
31	d2	203	PEB	CMB-C2B-C1B	3.07	129.80	125.06
31	a8	203	PEB	CHC-C4C-C3C	-3.07	125.09	130.34
31	xF	304	PEB	CHC-C4C-C3C	-3.07	125.09	130.34
31	M5	201	PEB	C1B-C2B-C3B	-3.07	102.98	106.51
31	UG	202	PEB	CMB-C2B-C1B	3.07	129.80	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	YK	304	PUB	OD-C4D-ND	-3.07	121.38	125.93
31	O6	202	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	O9	203	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	gF	203	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	A8	201	PEB	CAB-C3B-C4B	3.07	130.45	125.01
31	KI	201	PEB	C3B-C4B-NB	3.07	114.52	110.05
31	YD	202	PEB	CBC-CAC-C2C	3.07	117.86	112.62
31	J8	202	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	QI	203	PEB	CHA-C1B-NB	-3.07	118.50	124.93
31	eE	202	PEB	OD-C4D-ND	-3.07	121.38	125.93
32	AD	303	PUB	CHB-C1C-NC	-3.07	124.56	128.83
31	V4	201	PEB	C3B-C4B-NB	3.07	114.52	110.05
31	Q9	202	PEB	C3B-C4B-NB	3.07	114.52	110.05
31	PI	201	PEB	CMB-C2B-C1B	3.07	129.80	125.06
31	Y9	202	PEB	CHC-C1D-ND	-3.07	110.38	113.95
31	PI	201	PEB	C3B-C4B-NB	3.07	114.52	110.05
31	bD	201	PEB	CHC-C4C-C3C	-3.07	125.10	130.34
31	WF	202	PEB	CHA-C1B-C2B	3.07	132.80	124.90
31	RJ	202	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	I1	201	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	L5	201	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	IH	201	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	hD	203	PEB	C1B-C2B-C3B	-3.07	102.98	106.51
31	II	201	PEB	C3B-C4B-NB	3.07	114.52	110.05
31	Q5	201	PEB	OD-C4D-ND	-3.07	121.38	125.93
31	l6	201	PEB	OA-C1A-C2A	-3.07	123.73	126.17
31	DG	202	PEB	CBC-CAC-C2C	-3.07	107.38	112.62
31	CI	202	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	O2	201	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	B7	202	PEB	C4B-C3B-C2B	-3.07	103.38	106.78
31	fH	201	PEB	OD-C4D-ND	-3.07	121.38	125.93
31	Y9	203	PEB	CAC-CBC-CGC	-3.07	105.15	113.76
31	lE	202	PEB	OD-C4D-C3D	-3.07	122.50	129.46
31	a4	202	PEB	CMB-C2B-C1B	3.07	129.79	125.06
31	h2	203	PEB	CHB-C4B-NB	-3.07	124.57	128.83
32	Z9	305	PUB	C2C-C1C-NC	3.07	114.52	110.05
31	dA	202	PEB	CHC-C1D-ND	-3.07	110.38	113.95
31	FA	201	PEB	CHA-C1B-NB	-3.07	118.51	124.93
31	FC	1002	PEB	OD-C4D-ND	-3.07	121.38	125.93
31	KI	202	PEB	OD-C4D-ND	-3.07	121.38	125.93
31	gD	202	PEB	OD-C4D-ND	-3.07	121.38	125.93
31	e1	301	PEB	C1B-C2B-C3B	-3.07	102.98	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	NG	202	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	VK	203	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	dC	203	PEB	CMB-C2B-C1B	3.07	129.79	125.06
31	aE	202	PEB	C3B-C4B-NB	3.07	114.51	110.05
33	J2	1001	CYC	C2A-C1A-NA	3.07	114.51	110.05
31	QF	202	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	P1	203	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	mE	203	PEB	OD-C4D-ND	-3.07	121.38	125.93
31	YC	201	PEB	C1B-C2B-C3B	-3.07	102.98	106.51
31	DA	201	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	NJ	203	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	T7	202	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	SE	202	PEB	CMB-C2B-C1B	3.07	129.79	125.06
31	NB	1002	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	I1	201	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	J9	202	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	U2	201	PEB	OD-C4D-C3D	-3.07	122.51	129.46
31	P1	203	PEB	OD-C4D-C3D	-3.07	122.51	129.46
31	UH	201	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	KK	202	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	S9	202	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	UE	203	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	dC	202	PEB	C3B-C4B-NB	3.07	114.51	110.05
33	DD	1001	CYC	C2A-C1A-NA	3.07	114.51	110.05
31	GA	201	PEB	OD-C4D-ND	-3.07	121.39	125.93
31	D8	201	PEB	CHC-C4C-C3C	-3.07	125.11	130.34
33	EE	1001	CYC	C1B-C2B-C3B	-3.07	104.67	107.87
31	W8	201	PEB	CMA-C2A-C1A	-3.07	105.79	112.40
31	gB	202	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	XI	202	PEB	OD-C4D-ND	-3.07	121.39	125.93
31	P7	201	PEB	CHA-C1B-NB	-3.07	118.52	124.93
31	AG	202	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	S7	203	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	h4	203	PEB	C2A-C1A-NA	3.07	110.92	108.27
33	H2	1001	CYC	C1B-NB-C4B	-3.07	106.76	110.67
31	A6	304	PEB	C3B-C4B-NB	3.07	114.51	110.05
33	HE	1001	CYC	C2A-C1A-NA	3.07	114.51	110.05
31	VI	202	PEB	OD-C4D-ND	-3.07	121.39	125.93
31	AA	501	PEB	C1B-C2B-C3B	-3.07	102.99	106.51
31	S6	202	PEB	C1B-C2B-C3B	-3.07	102.99	106.51
31	W1	201	PEB	OD-C4D-C3D	-3.07	122.51	129.46
31	BJ	201	PEB	C1C-CHB-C4B	3.07	132.47	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KI	202	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	h8	202	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	fD	203	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	XH	202	PEB	OA-C1A-C2A	-3.07	123.73	126.17
31	aD	201	PEB	OD-C4D-ND	-3.07	121.39	125.93
32	AD	303	PUB	OA-C1A-NA	-3.07	121.39	125.93
31	I4	201	PEB	C2A-C1A-NA	3.07	110.92	108.27
31	A6	304	PEB	CHC-C1D-ND	-3.07	110.39	113.95
31	eK	301	PEB	CHB-C4B-NB	-3.07	124.57	128.83
31	UB	202	PEB	CMB-C2B-C1B	3.07	129.78	125.06
31	fH	203	PEB	C1B-C2B-C3B	-3.07	102.99	106.51
31	KJ	202	PEB	C4B-C3B-C2B	-3.07	103.39	106.78
31	WF	201	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	QH	201	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	cB	201	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	jF	201	PEB	C3B-C4B-NB	3.07	114.51	110.05
31	WA	401	PEB	OD-C4D-ND	-3.07	121.39	125.93
31	TB	201	PEB	OD-C4D-ND	-3.07	121.39	125.93
31	R6	203	PEB	CHC-C1D-ND	-3.06	110.39	113.95
31	DG	202	PEB	CHA-C1B-NB	-3.06	118.52	124.93
31	U7	203	PEB	CHA-C1B-NB	-3.06	118.52	124.93
31	A7	202	PEB	C1B-C2B-C3B	-3.06	102.99	106.51
31	eC	202	PEB	C1B-C2B-C3B	-3.06	102.99	106.51
31	PK	203	PEB	C2A-C1A-NA	3.06	110.92	108.27
31	E5	201	PEB	C3B-C4B-NB	3.06	114.51	110.05
31	TI	202	PEB	OD-C4D-ND	-3.06	121.39	125.93
31	JJ	202	PEB	C4B-C3B-C2B	-3.06	103.39	106.78
31	V1	202	PEB	C4B-C3B-C2B	-3.06	103.39	106.78
31	kF	202	PEB	C4B-C3B-C2B	-3.06	103.39	106.78
31	BH	301	PEB	CHA-C1B-NB	-3.06	118.52	124.93
31	L8	202	PEB	CAB-C3B-C4B	3.06	130.43	125.01
31	NA	202	PEB	OD-C4D-C3D	-3.06	122.52	129.46
31	l6	201	PEB	C2B-C1B-NB	3.06	117.07	110.53
31	RJ	202	PEB	C3B-C4B-NB	3.06	114.51	110.05
31	SA	203	PEB	C1B-C2B-C3B	-3.06	102.99	106.51
31	x8	302	PEB	C1B-C2B-C3B	-3.06	102.99	106.51
31	KF	203	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	b8	201	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	cF	201	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	CI	202	PEB	OD-C4D-ND	-3.06	121.39	125.93
31	C1	201	PEB	OD-C4D-ND	-3.06	121.39	125.93
32	A6	302	PUB	CHA-C4A-NA	-3.06	110.39	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VD	202	PEB	CMB-C2B-C1B	3.06	129.78	125.06
31	S9	201	PEB	CBB-CAB-C3B	3.06	121.14	112.63
31	MI	304	PEB	C4B-C3B-C2B	-3.06	103.39	106.78
31	GA	202	PEB	OD-C4D-ND	-3.06	121.39	125.93
31	NI	202	PEB	OD-C4D-ND	-3.06	121.39	125.93
31	aA	202	PEB	OD-C4D-ND	-3.06	121.39	125.93
31	B7	202	PEB	CHC-C1D-ND	-3.06	110.39	113.95
31	K8	202	PEB	CBC-CAC-C2C	-3.06	107.39	112.62
31	BA	203	PEB	C1B-C2B-C3B	-3.06	102.99	106.51
31	TF	201	PEB	OD-C4D-ND	-3.06	121.39	125.93
31	VG	202	PEB	C4B-C3B-C2B	-3.06	103.39	106.78
31	X4	202	PEB	OD-C4D-ND	-3.06	121.39	125.93
31	IA	203	PEB	C1B-C2B-C3B	-3.06	102.99	106.51
31	U7	203	PEB	C1B-C2B-C3B	-3.06	102.99	106.51
31	dE	202	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	xF	302	PEB	C3B-C4B-NB	3.06	114.50	110.05
31	HA	201	PEB	CHC-C4C-C3C	3.06	135.56	130.34
33	KD	202	CYC	CHA-C1A-NA	-3.06	124.58	128.83
31	G5	202	PEB	CHC-C1D-ND	-3.06	110.39	113.95
31	gC	202	PEB	OD-C4D-ND	-3.06	121.40	125.93
32	MI	303	PUB	OA-C1A-NA	-3.06	121.40	125.93
31	SF	203	PEB	C1C-CHB-C4B	3.06	132.47	128.81
32	yF	302	PUB	CAC-CBC-CGC	-3.06	107.02	113.60
31	SK	202	PEB	CMB-C2B-C1B	3.06	129.78	125.06
31	tF	202	PEB	CHC-C4C-C3C	-3.06	125.12	130.34
31	S4	201	PEB	OD-C4D-C3D	-3.06	122.53	129.46
31	AJ	301	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	HI	201	PEB	CHB-C4B-NB	-3.06	124.58	128.83
31	BA	201	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	dD	203	PEB	OD-C4D-ND	-3.06	121.40	125.93
32	AE	303	PUB	OA-C1A-NA	-3.06	121.40	125.93
31	AI	201	PEB	CMB-C2B-C1B	3.06	129.78	125.06
31	NJ	204	PEB	CHC-C1D-ND	-3.06	110.39	113.95
31	R1	202	PEB	CHA-C4A-NA	3.06	128.84	125.20
31	EH	202	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	W2	203	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	dE	204	PEB	OD-C4D-C3D	-3.06	122.53	129.46
31	H1	202	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	e8	202	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	RG	202	PEB	C4B-C3B-C2B	-3.06	103.40	106.78
31	PJ	201	PEB	C4B-C3B-C2B	-3.06	103.40	106.78
31	b7	501	PEB	C4B-C3B-C2B	-3.06	103.40	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	IE	1001	CYC	C1B-NB-C4B	-3.06	106.77	110.67
31	IE	203	PEB	CHC-C1D-ND	-3.06	110.39	113.95
32	A2	303	PUB	CHA-C4A-NA	-3.06	110.39	113.95
31	K1	202	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	jH	201	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	RD	202	PEB	C1C-CHB-C4B	-3.06	125.16	128.81
31	YJ	201	PEB	OA-C1A-C2A	-3.06	123.74	126.17
31	OK	201	PEB	OA-C1A-C2A	-3.06	123.74	126.17
31	GH	203	PEB	CHB-C4B-NB	-3.06	124.58	128.83
31	TH	202	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	mF	202	PEB	CAA-C3A-C4A	3.06	120.53	112.67
31	KD	201	PEB	C4B-C3B-C2B	-3.06	103.40	106.78
31	E1	202	PEB	C4B-C3B-C2B	-3.06	103.40	106.78
33	GB	1001	CYC	CHB-C4A-NA	-3.06	118.54	124.93
31	PC	201	PEB	CHC-C4C-C3C	-3.06	125.12	130.34
31	QG	201	PEB	CHC-C4C-C3C	-3.06	125.12	130.34
31	L5	203	PEB	CHC-C4C-C3C	-3.06	125.12	130.34
31	XA	201	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	j4	203	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	f8	201	PEB	CMB-C2B-C1B	3.06	129.77	125.06
31	CH	202	PEB	C3B-C4B-NB	3.06	114.50	110.05
31	G4	203	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	B7	201	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	I8	203	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	QB	201	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	eE	201	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	O4	202	PEB	CHA-C1B-NB	-3.06	118.54	124.93
31	DD	1002	PEB	OD-C4D-C3D	-3.06	122.53	129.46
31	OE	201	PEB	CHC-C4C-C3C	-3.06	125.12	130.34
31	QK	202	PEB	OA-C1A-C2A	-3.06	123.74	126.17
31	RB	201	PEB	CHB-C4B-C3B	-3.06	118.26	125.32
31	DK	202	PEB	C4B-C3B-C2B	-3.06	103.40	106.78
31	RI	201	PEB	CMB-C2B-C1B	3.06	129.77	125.06
31	U5	202	PEB	CMB-C2B-C1B	3.06	129.77	125.06
31	KJ	201	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	D7	201	PEB	OD-C4D-ND	-3.06	121.40	125.93
33	LB	1001	CYC	C4D-CHA-C1A	3.06	132.46	128.81
31	ZI	303	PEB	C3B-C4B-NB	3.06	114.50	110.05
31	IK	201	PEB	C3B-C4B-NB	3.06	114.50	110.05
31	eC	203	PEB	C3B-C4B-NB	3.06	114.50	110.05
31	E9	202	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	II	201	PEB	CMB-C2B-C1B	3.06	129.77	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	AD	302	PUB	OD-C4D-ND	-3.06	121.40	125.93
31	hC	202	PEB	CHB-C4B-NB	-3.06	124.59	128.83
31	LB	1002	PEB	C3B-C4B-NB	3.06	114.50	110.05
31	OK	202	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	O7	201	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	t8	202	PEB	OD-C4D-C3D	-3.06	122.54	129.46
31	F7	201	PEB	C3B-C4B-NB	3.06	114.49	110.05
31	kD	201	PEB	C3B-C4B-NB	3.06	114.49	110.05
31	T1	203	PEB	CHB-C4B-C3B	-3.06	118.26	125.32
31	U7	202	PEB	C2A-C1A-NA	3.06	110.91	108.27
31	SI	202	PEB	C4B-C3B-C2B	-3.06	103.40	106.78
32	A2	304	PUB	CMA-C2A-C3A	3.06	135.95	129.67
31	HK	202	PEB	OD-C4D-ND	-3.06	121.40	125.93
31	Q6	201	PEB	C1B-C2B-C3B	-3.06	103.00	106.51
31	PK	203	PEB	C3B-C4B-NB	3.06	114.49	110.05
31	h4	203	PEB	C3B-C4B-NB	3.06	114.49	110.05
31	P5	201	PEB	OA-C1A-C2A	-3.05	123.74	126.17
31	VB	201	PEB	C4B-C3B-C2B	-3.05	103.40	106.78
31	CH	202	PEB	C4B-C3B-C2B	-3.05	103.40	106.78
31	fD	201	PEB	CAB-CBB-CGB	-3.05	107.03	113.60
31	UD	203	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	ZA	202	PEB	C2A-C1A-NA	3.05	110.91	108.27
31	K4	203	PEB	C2A-C1A-NA	3.05	110.91	108.27
31	R5	201	PEB	C2A-C1A-NA	3.05	110.91	108.27
31	iF	202	PEB	C2A-C1A-NA	3.05	110.91	108.27
31	G8	201	PEB	CAC-CBC-CGC	-3.05	105.20	113.76
31	TF	202	PEB	CAB-C3B-C4B	3.05	130.41	125.01
31	EA	501	PEB	CMB-C2B-C1B	3.05	129.77	125.06
31	AD	301	PEB	C3B-C4B-NB	3.05	114.49	110.05
33	JB	1001	CYC	C2A-C1A-NA	3.05	114.49	110.05
31	rF	202	PEB	CHA-C1B-NB	-3.05	118.55	124.93
31	AB	301	PEB	CMB-C2B-C1B	3.05	129.77	125.06
31	Q7	203	PEB	OD-C4D-C3D	-3.05	122.54	129.46
31	DG	202	PEB	C2A-C1A-NA	3.05	110.91	108.27
31	HB	1002	PEB	C1C-CHB-C4B	3.05	132.46	128.81
31	TK	202	PEB	C2B-C1B-NB	3.05	117.05	110.53
31	G7	201	PEB	C4B-C3B-C2B	-3.05	103.40	106.78
31	hF	202	PEB	C4B-C3B-C2B	-3.05	103.40	106.78
31	GH	203	PEB	CMB-C2B-C1B	3.05	129.76	125.06
31	L6	1002	PEB	CMB-C2B-C1B	3.05	129.76	125.06
31	d6	202	PEB	CMB-C2B-C1B	3.05	129.76	125.06
31	G4	203	PEB	OD-C4D-ND	-3.05	121.41	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	LC	1003	CYC	CHA-C1A-NA	-3.05	124.59	128.83
31	NF	201	PEB	CHC-C1D-ND	-3.05	110.40	113.95
31	HG	203	PEB	CMB-C2B-C1B	3.05	129.76	125.06
31	ZI	303	PEB	C2A-C1A-NA	3.05	110.90	108.27
31	ND	201	PEB	CHA-C1B-NB	-3.05	118.55	124.93
31	aD	201	PEB	CBC-CAC-C2C	3.05	117.83	112.62
31	GH	203	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	GI	202	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	H8	202	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	W8	203	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	j4	201	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	j6	202	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	fF	201	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	lH	201	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	H9	201	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	GI	201	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	e8	203	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	A1	202	PEB	C2A-C1A-NA	3.05	110.90	108.27
31	R2	201	PEB	C1B-C2B-C3B	-3.05	103.00	106.51
31	h4	202	PEB	CMB-C2B-C1B	3.05	129.76	125.06
33	BD	1002	CYC	CHA-C1A-NA	-3.05	124.59	128.83
31	kD	202	PEB	CHC-C4C-C3C	-3.05	125.13	130.34
31	KD	201	PEB	CHA-C1B-NB	-3.05	118.55	124.93
31	PB	201	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	MF	203	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	O2	202	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	fD	201	PEB	C3B-C4B-NB	3.05	114.49	110.05
31	a6	202	PEB	CAB-C3B-C4B	3.05	130.41	125.01
31	mH	201	PEB	CAB-C3B-C4B	3.05	130.41	125.01
31	UA	302	PEB	CMB-C2B-C1B	3.05	129.76	125.06
31	FF	202	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	C7	203	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	NF	202	PEB	OA-C1A-C2A	-3.05	123.75	126.17
31	LJ	203	PEB	CHC-C4C-C3C	-3.05	125.14	130.34
31	PI	202	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	l8	202	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	HJ	201	PEB	OD-C4D-C3D	-3.05	122.55	129.46
31	S6	201	PEB	CHA-C4A-NA	3.05	128.83	125.20
31	O9	202	PEB	CAB-C3B-C4B	3.05	130.40	125.01
31	UI	202	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	C4	201	PEB	C3B-C4B-NB	3.05	114.48	110.05
33	DC	1001	CYC	C1B-CHB-C4A	-3.05	120.63	128.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	hB	202	PEB	CHC-C4C-C3C	-3.05	125.14	130.34
31	WE	203	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	w8	302	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	W1	201	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	M8	202	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	jH	202	PEB	OD-C4D-ND	-3.05	121.41	125.93
31	G9	202	PEB	C1B-C2B-C3B	-3.05	103.01	106.51
31	MI	304	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	aH	203	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	E7	201	PEB	OA-C1A-C2A	-3.05	123.75	126.17
31	S8	201	PEB	OA-C1A-C2A	-3.05	123.75	126.17
31	WC	202	PEB	OD-C4D-ND	-3.05	121.41	125.93
32	y8	302	PUB	CAC-CBC-CGC	-3.05	107.04	113.60
33	K2	201	CYC	CBD-CAD-C3D	-3.05	107.42	112.62
31	Y2	202	PEB	CHB-C4B-C3B	-3.05	118.28	125.32
31	PC	201	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	IG	202	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	TI	201	PEB	CMB-C2B-C1B	3.05	129.76	125.06
31	IF	202	PEB	CHB-C4B-NB	-3.05	124.60	128.83
31	IA	202	PEB	OD-C4D-C3D	-3.05	122.56	129.46
31	d2	202	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	I4	203	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	TB	202	PEB	OA-C1A-C2A	-3.05	123.75	126.17
31	T6	202	PEB	OA-C1A-C2A	-3.05	123.75	126.17
31	TG	203	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	a6	202	PEB	C1B-C2B-C3B	-3.05	103.01	106.51
31	f4	202	PEB	C1C-CHB-C4B	-3.05	125.17	128.81
31	IH	202	PEB	OD-C4D-ND	-3.05	121.42	125.93
31	RF	202	PEB	OD-C4D-C3D	-3.05	122.56	129.46
31	J6	1002	PEB	CAC-CBC-CGC	-3.05	105.22	113.76
31	Y1	302	PEB	CHC-C4C-C3C	-3.05	125.14	130.34
31	UA	303	PEB	CMB-C2B-C1B	3.05	129.76	125.06
33	G6	1001	CYC	CMA-C3A-C4A	3.05	129.76	125.06
31	O5	202	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	E4	202	PEB	C1B-C2B-C3B	-3.05	103.01	106.51
31	eB	202	PEB	C1B-C2B-C3B	-3.05	103.01	106.51
31	II	202	PEB	OD-C4D-ND	-3.05	121.42	125.93
31	G5	202	PEB	OD-C4D-ND	-3.05	121.42	125.93
31	DA	202	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	YK	302	PEB	CHC-C4C-C3C	-3.05	125.14	130.34
33	I2	201	CYC	CHA-C1A-NA	-3.05	124.60	128.83
31	eH	201	PEB	CHA-C4A-NA	-3.05	121.58	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	m8	202	PEB	CAA-C3A-C4A	3.05	120.50	112.67
31	EH	203	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	D5	202	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	KE	201	PEB	CHA-C1B-NB	-3.05	118.56	124.93
31	AF	201	PEB	CAB-C3B-C4B	3.05	130.40	125.01
31	LF	201	PEB	CAB-C3B-C4B	3.05	130.40	125.01
31	V2	201	PEB	CAB-CBB-CGB	-3.05	107.05	113.60
31	b7	503	PEB	C1B-C2B-C3B	-3.05	103.01	106.51
31	KI	201	PEB	CMB-C2B-C1B	3.05	129.75	125.06
31	VI	201	PEB	CMB-C2B-C1B	3.05	129.75	125.06
31	XI	201	PEB	CMB-C2B-C1B	3.05	129.75	125.06
31	F8	202	PEB	C4B-C3B-C2B	-3.05	103.41	106.78
31	C5	201	PEB	C1C-CHB-C4B	3.05	132.45	128.81
31	dB	202	PEB	C3B-C4B-NB	3.05	114.48	110.05
31	RK	201	PEB	CMA-C2A-C1A	-3.05	105.84	112.40
31	F1	201	PEB	OD-C4D-ND	-3.05	121.42	125.93
31	H4	201	PEB	C2A-C1A-NA	3.04	110.90	108.27
31	lB	201	PEB	OA-C1A-C2A	-3.04	123.75	126.17
31	HD	1002	PEB	OD-C4D-C3D	-3.04	122.56	129.46
31	SH	201	PEB	C3B-C4B-NB	3.04	114.48	110.05
31	YI	203	PEB	C3B-C4B-NB	3.04	114.48	110.05
31	G5	201	PEB	C3B-C4B-NB	3.04	114.48	110.05
31	k6	202	PEB	C3B-C4B-NB	3.04	114.48	110.05
31	Y9	201	PEB	CAB-CBB-CGB	-3.04	107.05	113.60
31	OC	201	PEB	C4B-C3B-C2B	-3.04	103.41	106.78
31	DH	201	PEB	CAB-C3B-C4B	3.04	130.40	125.01
31	AB	304	PEB	CHC-C1D-ND	-3.04	110.41	113.95
31	DJ	202	PEB	C3B-C4B-NB	3.04	114.48	110.05
31	R1	203	PEB	C3B-C4B-NB	3.04	114.48	110.05
31	H4	201	PEB	CAB-C3B-C4B	3.04	130.39	125.01
31	OB	202	PEB	C2A-C1A-NA	3.04	110.90	108.27
31	UB	202	PEB	C2A-C1A-NA	3.04	110.90	108.27
31	A5	301	PEB	C2A-C1A-NA	3.04	110.90	108.27
31	eF	202	PEB	C2A-C1A-NA	3.04	110.90	108.27
31	YB	203	PEB	OD-C4D-ND	-3.04	121.42	125.93
31	Q1	201	PEB	OD-C4D-ND	-3.04	121.42	125.93
31	YF	201	PEB	C4B-C3B-C2B	-3.04	103.41	106.78
31	II	202	PEB	C4B-C3B-C2B	-3.04	103.41	106.78
31	N5	203	PEB	C4B-C3B-C2B	-3.04	103.41	106.78
31	NI	201	PEB	CMB-C2B-C1B	3.04	129.75	125.06
31	SE	202	PEB	CHB-C4B-NB	-3.04	124.61	128.83
31	HI	202	PEB	OD-C4D-ND	-3.04	121.42	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	i8	203	PEB	C1B-C2B-C3B	-3.04	103.01	106.51
31	M7	203	PEB	CHA-C1B-NB	-3.04	118.57	124.93
31	T5	203	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	N7	202	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
33	DB	1001	CYC	C1A-C2A-C3A	-3.04	103.42	106.78
33	D6	1001	CYC	C1A-C2A-C3A	-3.04	103.42	106.78
31	QK	201	PEB	OD-C4D-C3D	-3.04	122.57	129.46
31	QK	201	PEB	OD-C4D-ND	-3.04	121.42	125.93
31	g2	202	PEB	OD-C4D-ND	-3.04	121.42	125.93
31	V4	202	PEB	OD-C4D-ND	-3.04	121.42	125.93
31	DJ	203	PEB	C3D-C4D-ND	3.04	113.23	107.26
31	P7	201	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	dA	201	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	XF	203	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	LG	202	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	V1	203	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	cE	202	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	T1	203	PEB	CAB-C3B-C2B	3.04	133.54	127.88
31	gD	202	PEB	CHC-C1D-ND	-3.04	110.42	113.95
31	VH	202	PEB	CHC-C4C-C3C	-3.04	125.15	130.34
31	AH	301	PEB	OD-C4D-ND	-3.04	121.42	125.93
32	AE	302	PUB	OD-C4D-ND	-3.04	121.42	125.93
31	IA	203	PEB	CMB-C2B-C1B	3.04	129.75	125.06
31	CI	201	PEB	CMB-C2B-C1B	3.04	129.75	125.06
31	K5	201	PEB	CMB-C2B-C1B	3.04	129.75	125.06
31	LI	202	PEB	C2A-C1A-NA	3.04	110.89	108.27
31	PB	201	PEB	CHB-C4B-NB	-3.04	124.61	128.83
31	F6	1002	PEB	CHB-C4B-NB	-3.04	124.61	128.83
31	mB	201	PEB	CHB-C4B-NB	-3.04	124.61	128.83
31	SB	202	PEB	CHA-C4A-NA	3.04	128.82	125.20
31	SA	201	PEB	C3B-C4B-NB	3.04	114.47	110.05
31	RK	203	PEB	C3B-C4B-NB	3.04	114.47	110.05
31	ZE	202	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	E7	202	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	N9	202	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	x8	304	PEB	CHC-C4C-C3C	-3.04	125.15	130.34
31	ZI	303	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
33	K6	1001	CYC	C1A-C2A-C3A	-3.04	103.42	106.78
31	dA	201	PEB	CMB-C2B-C1B	3.04	129.75	125.06
31	XA	201	PEB	CHA-C1B-NB	-3.04	118.57	124.93
31	VC	201	PEB	CAB-CBB-CGB	-3.04	107.06	113.60
31	BJ	203	PEB	C2A-C1A-NA	3.04	110.89	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O1	201	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
32	A4	304	PUB	OD-C4D-ND	-3.04	121.43	125.93
32	N5	201	PUB	OD-C4D-ND	-3.04	121.43	125.93
31	QB	201	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	e2	201	PEB	CHC-C1D-ND	-3.04	110.42	113.95
33	D2	1001	CYC	C1B-CHB-C4A	-3.04	120.65	128.08
31	WK	201	PEB	OD-C4D-ND	-3.04	121.43	125.93
31	Z4	201	PEB	OD-C4D-ND	-3.04	121.43	125.93
31	T8	201	PEB	OD-C4D-ND	-3.04	121.43	125.93
31	ID	202	PEB	OD-C4D-C3D	-3.04	122.57	129.46
31	XJ	202	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	Y2	201	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	G7	203	PEB	C3B-C4B-NB	3.04	114.47	110.05
31	V8	201	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	hF	201	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	U9	203	PEB	CHC-C1D-ND	-3.04	110.42	113.95
31	CK	201	PEB	OD-C4D-ND	-3.04	121.43	125.93
31	LA	201	PEB	CHB-C4B-C3B	-3.04	118.30	125.32
31	B5	201	PEB	C1C-CHB-C4B	3.04	132.44	128.81
31	eD	201	PEB	CHC-C4C-C3C	-3.04	125.15	130.34
31	RK	202	PEB	CHA-C4A-NA	3.04	128.82	125.20
31	gB	201	PEB	C3B-C4B-NB	3.04	114.47	110.05
32	M9	305	PUB	C2C-C1C-NC	3.04	114.47	110.05
31	DG	201	PEB	CHB-C4B-NB	-3.04	124.61	128.83
31	Q7	202	PEB	CMB-C2B-C1B	3.04	129.74	125.06
31	L7	202	PEB	OD-C4D-ND	-3.04	121.43	125.93
31	K5	202	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	WK	201	PEB	OD-C4D-C3D	-3.04	122.58	129.46
31	R1	201	PEB	CMA-C2A-C1A	-3.04	105.85	112.40
31	cA	403	PEB	C2A-C1A-NA	3.04	110.89	108.27
31	x8	303	PEB	OD-C4D-C3D	-3.04	122.58	129.46
31	L5	201	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	kE	201	PEB	CHB-C4B-NB	-3.04	124.61	128.83
31	IK	201	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	VA	202	PEB	OA-C1A-C2A	-3.04	123.76	126.17
31	Q1	202	PEB	OA-C1A-C2A	-3.04	123.76	126.17
31	KA	302	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	dJ	401	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	RJ	201	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	i4	202	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	A5	304	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	LH	201	PEB	C3B-C4B-NB	3.04	114.47	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	AC	303	PUB	OA-C1A-NA	-3.04	121.43	125.93
31	SK	201	PEB	CBB-CAB-C3B	-3.04	104.19	112.63
31	D9	202	PEB	OA-C1A-C2A	-3.04	123.76	126.17
31	DK	203	PEB	CMB-C2B-C1B	3.04	129.74	125.06
31	X4	202	PEB	C3B-C4B-NB	3.04	114.47	110.05
31	d6	202	PEB	C3B-C4B-NB	3.04	114.47	110.05
31	J9	203	PEB	C2A-C1A-NA	3.04	110.89	108.27
31	eC	201	PEB	C2A-C1A-NA	3.04	110.89	108.27
31	E5	202	PEB	CHA-C1B-NB	-3.04	118.58	124.93
31	l4	201	PEB	C4B-C3B-C2B	-3.04	103.42	106.78
31	jH	202	PEB	C1B-C2B-C3B	-3.04	103.02	106.51
31	a8	202	PEB	C3B-C4B-NB	3.04	114.46	110.05
33	LB	1001	CYC	OB-C4B-C3B	-3.03	124.75	128.04
31	lB	201	PEB	C2B-C1B-NB	3.03	117.01	110.53
31	GA	202	PEB	C4B-C3B-C2B	-3.03	103.42	106.78
31	D1	202	PEB	C4B-C3B-C2B	-3.03	103.42	106.78
31	GF	201	PEB	CAC-CBC-CGC	-3.03	105.25	113.76
33	BE	1002	CYC	CAB-C3B-C4B	3.03	126.17	121.38
31	HC	1002	PEB	CMB-C2B-C1B	3.03	129.74	125.06
31	G4	203	PEB	CMB-C2B-C1B	3.03	129.74	125.06
31	fE	201	PEB	CAB-CBB-CGB	-3.03	107.07	113.60
31	fE	201	PEB	C3B-C4B-NB	3.03	114.46	110.05
31	TB	203	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	KA	301	PEB	OD-C4D-C3D	-3.03	122.58	129.46
31	J5	203	PEB	OD-C4D-C3D	-3.03	122.58	129.46
31	V9	202	PEB	C1B-C2B-C3B	-3.03	103.02	106.51
31	AB	304	PEB	CMB-C2B-C1B	3.03	129.74	125.06
31	dD	204	PEB	OD-C4D-C3D	-3.03	122.59	129.46
31	XH	201	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	R6	203	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	CF	201	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	H2	1002	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	e2	202	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	F2	1002	PEB	CHB-C4B-NB	-3.03	124.62	128.83
31	m8	201	PEB	CHA-C1B-NB	-3.03	118.59	124.93
31	TK	203	PEB	CAB-C3B-C2B	3.03	133.53	127.88
31	m4	201	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	QD	203	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	GG	203	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	jC	203	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	UI	203	PEB	CMB-C2B-C1B	3.03	129.73	125.06
31	IF	203	PEB	C2A-C1A-NA	3.03	110.89	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	AB	303	PUB	OD-C4D-ND	-3.03	121.44	125.93
31	S1	201	PEB	CMA-C2A-C1A	-3.03	105.87	112.40
31	KF	203	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	YG	201	PEB	CHB-C4B-NB	-3.03	124.62	128.83
31	Y1	301	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	J8	201	PEB	CHA-C1B-NB	-3.03	118.59	124.93
31	G7	201	PEB	CMB-C2B-C1B	3.03	129.73	125.06
31	WF	201	PEB	CMA-C2A-C1A	-3.03	105.87	112.40
31	Q9	202	PEB	CHA-C4A-NA	-3.03	121.60	125.20
31	YH	203	PEB	OD-C4D-C3D	-3.03	122.59	129.46
31	N5	203	PEB	C2A-C1A-NA	3.03	110.89	108.27
31	XA	201	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	J5	202	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	T8	202	PEB	CAB-C3B-C4B	3.03	130.37	125.01
31	JF	201	PEB	CHA-C1B-NB	-3.03	118.59	124.93
31	H8	201	PEB	CHA-C1B-C2B	3.03	132.69	124.90
31	I9	202	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	L9	201	PEB	CHB-C4B-NB	-3.03	124.62	128.83
31	NH	201	PEB	CAB-C3B-C4B	3.03	130.37	125.01
31	RB	203	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	cD	201	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	aH	203	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	EF	202	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	WD	201	PEB	CMB-C2B-C1B	3.03	129.73	125.06
31	H2	1002	PEB	CMB-C2B-C1B	3.03	129.73	125.06
31	cB	201	PEB	CHA-C1B-NB	-3.03	118.59	124.93
31	G7	201	PEB	OD-C4D-C3D	-3.03	122.59	129.46
31	UB	202	PEB	C3B-C4B-NB	3.03	114.46	110.05
31	GJ	202	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	KJ	201	PEB	CHC-C4C-C3C	-3.03	125.17	130.34
31	UB	201	PEB	C2B-C1B-NB	3.03	117.00	110.53
31	G5	201	PEB	CHB-C4B-NB	-3.03	124.62	128.83
31	b7	501	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	xF	302	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	c6	201	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	GJ	201	PEB	C2A-C1A-NA	3.03	110.88	108.27
31	j4	202	PEB	CHA-C1B-NB	-3.03	118.60	124.93
31	i8	203	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	RH	202	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	p8	202	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	S9	203	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	aB	202	PEB	CAB-C3B-C4B	3.03	130.37	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	X5	201	PEB	CHB-C4B-NB	-3.03	124.63	128.83
31	nF	202	PEB	C2A-C1A-NA	3.03	110.88	108.27
31	OJ	202	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	W4	202	PEB	OD-C4D-ND	-3.03	121.44	125.93
31	NI	202	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	K9	202	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	R9	202	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	sF	201	PEB	C1B-C2B-C3B	-3.03	103.03	106.51
31	C5	202	PEB	OA-C1A-C2A	-3.03	123.77	126.17
31	SF	203	PEB	CHA-C4A-NA	3.03	128.80	125.20
31	JH	201	PEB	CHA-C4A-NA	3.03	128.80	125.20
31	aE	201	PEB	OD-C4D-ND	-3.03	121.45	125.93
31	YG	202	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	lF	201	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	CG	202	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	WJ	202	PEB	C2A-C1A-NA	3.03	110.88	108.27
31	J7	201	PEB	CHC-C1D-ND	-3.03	110.43	113.95
31	k2	201	PEB	OD-C4D-ND	-3.03	121.45	125.93
31	CK	201	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	GI	201	PEB	CMB-C2B-C1B	3.03	129.72	125.06
31	YH	202	PEB	CMA-C2A-C1A	-3.03	105.88	112.40
31	WC	202	PEB	C4B-C3B-C2B	-3.03	103.43	106.78
31	NE	201	PEB	CHA-C1B-NB	-3.03	118.60	124.93
31	UI	204	PEB	OD-C4D-ND	-3.03	121.45	125.93
31	FK	201	PEB	OD-C4D-ND	-3.03	121.45	125.93
31	H5	201	PEB	C3B-C4B-NB	3.03	114.45	110.05
31	TD	201	PEB	C1C-CHB-C4B	3.03	132.42	128.81
31	B1	201	PEB	C2A-C1A-NA	3.03	110.88	108.27
31	uF	203	PEB	C2A-C1A-NA	3.03	110.88	108.27
31	eD	202	PEB	OD-C4D-ND	-3.02	121.45	125.93
31	KG	201	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	B5	202	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	p8	201	PEB	CHC-C4C-C3C	-3.02	125.18	130.34
31	T9	202	PEB	C1B-C2B-C3B	-3.02	103.03	106.51
31	jC	202	PEB	C1B-C2B-C3B	-3.02	103.03	106.51
31	a4	204	PEB	CHA-C1B-NB	-3.02	118.61	124.93
31	dF	202	PEB	C1C-CHB-C4B	3.02	132.42	128.81
31	A8	201	PEB	CHC-C1D-ND	-3.02	110.44	113.95
31	eC	201	PEB	CHC-C1D-ND	-3.02	110.44	113.95
31	UA	301	PEB	CBC-CAC-C2C	3.02	117.78	112.62
31	jD	202	PEB	CHA-C1B-NB	-3.02	118.61	124.93
31	c2	202	PEB	C2A-C1A-NA	3.02	110.88	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O6	202	PEB	CHC-C4C-C3C	-3.02	125.18	130.34
31	dC	203	PEB	C3B-C4B-NB	3.02	114.45	110.05
31	QI	202	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
33	G6	1001	CYC	CHB-C4A-NA	-3.02	118.61	124.93
31	OH	201	PEB	OA-C1A-C2A	-3.02	123.77	126.17
31	m2	202	PEB	OD-C4D-ND	-3.02	121.45	125.93
31	P1	203	PEB	C3B-C4B-NB	3.02	114.45	110.05
31	jD	202	PEB	C3B-C4B-NB	3.02	114.45	110.05
31	DE	1002	PEB	C2A-C1A-NA	3.02	110.88	108.27
31	j2	203	PEB	C2A-C1A-NA	3.02	110.88	108.27
31	WF	201	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	YC	201	PEB	CAB-CBB-CGB	-3.02	107.10	113.60
31	LB	1002	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	A6	304	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	B7	201	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	K5	201	PEB	OD-C4D-ND	-3.02	121.45	125.93
31	v8	201	PEB	OD-C4D-ND	-3.02	121.45	125.93
31	AF	201	PEB	CHC-C1D-ND	-3.02	110.44	113.95
31	N8	201	PEB	CHC-C1D-ND	-3.02	110.44	113.95
31	lD	201	PEB	CHA-C1B-NB	-3.02	118.61	124.93
31	J5	201	PEB	OD-C4D-C3D	-3.02	122.61	129.46
31	tF	202	PEB	OD-C4D-C3D	-3.02	122.61	129.46
31	BJ	202	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	Q7	203	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	l8	201	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	PE	201	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	VC	201	PEB	CHC-C1D-ND	-3.02	110.44	113.95
33	KE	202	CYC	CHA-C1A-NA	-3.02	124.64	128.83
31	R2	201	PEB	CHC-C4C-C3C	-3.02	125.18	130.34
31	dE	203	PEB	CHC-C4C-C3C	-3.02	125.18	130.34
31	UJ	202	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	WC	203	PEB	C1B-C2B-C3B	-3.02	103.04	106.51
31	QK	202	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	T2	202	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	W8	201	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	QH	201	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	TH	202	PEB	CMB-C2B-C1B	3.02	129.72	125.06
31	cA	402	PEB	CHA-C1B-NB	-3.02	118.61	124.93
31	X8	203	PEB	CAB-C3B-C4B	3.02	130.35	125.01
31	XJ	203	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	W1	202	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	C4	202	PEB	CMC-C3C-C2C	3.02	130.64	124.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	eE	201	PEB	CHC-C4C-C3C	-3.02	125.19	130.34
31	L9	203	PEB	C1C-CHB-C4B	-3.02	125.20	128.81
31	MJ	202	PEB	C1B-C2B-C3B	-3.02	103.04	106.51
31	C8	201	PEB	C1B-C2B-C3B	-3.02	103.04	106.51
31	j2	202	PEB	CHA-C4A-NA	-3.02	121.61	125.20
31	d4	201	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	gF	203	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	RH	202	PEB	CHC-C1D-ND	-3.02	110.44	113.95
31	Z9	301	PEB	CHC-C1D-ND	-3.02	110.44	113.95
31	UG	202	PEB	OD-C4D-ND	-3.02	121.46	125.93
31	V2	203	PEB	OD-C4D-ND	-3.02	121.46	125.93
31	lC	201	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	e4	201	PEB	OA-C1A-C2A	-3.02	123.77	126.17
31	FH	201	PEB	OD-C4D-C3D	-3.02	122.62	129.46
31	jC	202	PEB	C2A-C1A-NA	3.02	110.88	108.27
31	Y7	504	PEB	OD-C4D-ND	-3.02	121.46	125.93
31	cE	201	PEB	OD-C4D-ND	-3.02	121.46	125.93
31	F6	1002	PEB	CMD-C2D-C3D	3.02	134.32	130.06
31	WD	203	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	IH	203	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
32	x8	301	PUB	CAC-CBC-CGC	-3.02	107.11	113.60
31	gB	203	PEB	CBB-CAB-C3B	3.02	121.02	112.63
31	xF	304	PEB	CHA-C1B-NB	-3.02	118.62	124.93
31	M1	201	PEB	CMB-C2B-C1B	3.02	129.71	125.06
31	A4	302	PEB	OD-C4D-ND	-3.02	121.46	125.93
31	d8	202	PEB	C1C-CHB-C4B	3.02	132.41	128.81
31	H8	201	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	GH	202	PEB	C1B-C2B-C3B	-3.02	103.04	106.51
31	X5	201	PEB	CHA-C1B-NB	-3.02	118.62	124.93
31	f8	201	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	FK	202	PEB	OD-C4D-C3D	-3.02	122.62	129.46
31	HH	202	PEB	CAA-C3A-C2A	-3.02	106.72	114.26
33	ED	1001	CYC	C1B-NB-C4B	-3.02	106.83	110.67
31	H5	201	PEB	OD-C4D-C3D	-3.02	122.62	129.46
31	TF	201	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	b7	501	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	O7	202	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	F5	203	PEB	C1B-C2B-C3B	-3.02	103.04	106.51
31	dA	202	PEB	OD-C4D-C3D	-3.02	122.62	129.46
31	KA	304	PEB	CMB-C2B-C1B	3.02	129.71	125.06
31	O8	202	PEB	CHC-C1D-ND	-3.02	110.44	113.95
31	T6	203	PEB	OD-C4D-ND	-3.02	121.46	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y6	203	PEB	OD-C4D-ND	-3.02	121.46	125.93
31	D9	202	PEB	OD-C4D-ND	-3.02	121.46	125.93
31	c2	202	PEB	CAC-CBC-CGC	-3.02	105.30	113.76
31	FI	201	PEB	CHB-C4B-C3B	-3.02	118.35	125.32
31	cD	202	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	VA	202	PEB	CHC-C4C-C3C	-3.02	125.19	130.34
31	jE	202	PEB	CHA-C1B-NB	-3.02	118.62	124.93
31	cB	203	PEB	C2A-C1A-NA	3.02	110.87	108.27
31	A2	305	PEB	CHC-C4C-C3C	-3.02	125.19	130.34
31	dH	202	PEB	C3B-C4B-NB	3.02	114.44	110.05
31	kH	201	PEB	C3B-C4B-NB	3.02	114.44	110.05
33	DE	1001	CYC	C2A-C1A-NA	3.02	114.44	110.05
31	K4	202	PEB	OD-C4D-C3D	-3.02	122.63	129.46
31	QA	203	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	QH	204	PEB	C4B-C3B-C2B	-3.02	103.44	106.78
31	WK	201	PEB	CHA-C4A-NA	3.02	128.79	125.20
31	Q6	201	PEB	C2B-C1B-NB	3.02	116.97	110.53
31	WH	203	PEB	CMB-C2B-C1B	3.01	129.71	125.06
31	X7	202	PEB	OD-C4D-ND	-3.01	121.46	125.93
31	S7	202	PEB	CHB-C4B-C3B	-3.01	118.36	125.32
33	KC	201	CYC	C1A-C2A-C3A	-3.01	103.45	106.78
31	OB	202	PEB	CMB-C2B-C1B	3.01	129.71	125.06
31	U2	201	PEB	C2A-C1A-NA	3.01	110.87	108.27
31	x8	304	PEB	CHA-C1B-NB	-3.01	118.63	124.93
31	L9	203	PEB	CHA-C1B-NB	-3.01	118.63	124.93
31	U6	201	PEB	C2B-C1B-NB	3.01	116.96	110.53
31	M1	201	PEB	CAB-C3B-C4B	3.01	130.34	125.01
31	O1	201	PEB	OA-C1A-C2A	-3.01	123.78	126.17
33	G6	1001	CYC	C4A-C3A-C2A	-3.01	103.05	106.51
31	JI	202	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	Y4	202	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	X5	201	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	P4	201	PEB	C3B-C4B-NB	3.01	114.43	110.05
31	ND	201	PEB	CMB-C2B-C1B	3.01	129.70	125.06
31	eH	202	PEB	CMB-C2B-C1B	3.01	129.70	125.06
31	D4	201	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	UH	203	PEB	C1B-C2B-C3B	-3.01	103.05	106.51
31	YH	202	PEB	C1B-C2B-C3B	-3.01	103.05	106.51
31	XJ	203	PEB	C1B-C2B-C3B	-3.01	103.05	106.51
31	a4	202	PEB	C1B-C2B-C3B	-3.01	103.05	106.51
33	LE	1001	CYC	C4A-C3A-C2A	-3.01	103.05	106.51
31	M7	201	PEB	CAA-C3A-C4A	-3.01	104.94	112.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W2	202	PEB	C4B-C3B-C2B	-3.01	103.45	106.78
31	a4	202	PEB	C4B-C3B-C2B	-3.01	103.45	106.78
31	iH	201	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	Q5	202	PEB	CHB-C4B-NB	-3.01	124.65	128.83
31	EJ	201	PEB	C3B-C4B-NB	3.01	114.43	110.05
31	aB	202	PEB	C1B-C2B-C3B	-3.01	103.05	106.51
31	dH	201	PEB	CHC-C1D-ND	-3.01	110.45	113.95
31	h8	201	PEB	OA-C1A-NA	3.01	128.59	124.94
31	c6	203	PEB	C2A-C1A-NA	3.01	110.87	108.27
31	W2	202	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	N6	1002	PEB	C4B-C3B-C2B	-3.01	103.45	106.78
31	IH	202	PEB	CHA-C1B-C2B	3.01	132.64	124.90
31	OA	201	PEB	OD-C4D-C3D	-3.01	122.64	129.46
31	GJ	202	PEB	CHC-C1D-ND	-3.01	110.45	113.95
31	JH	202	PEB	C3B-C4B-NB	3.01	114.43	110.05
31	i8	202	PEB	CHA-C1B-NB	-3.01	118.64	124.93
31	KH	202	PEB	CHB-C4B-NB	-3.01	124.65	128.83
31	lE	201	PEB	C4B-C3B-C2B	-3.01	103.45	106.78
31	T4	202	PEB	CAB-C3B-C4B	3.01	130.33	125.01
31	UI	201	PEB	CAA-C3A-C2A	-3.01	106.74	114.26
31	hF	202	PEB	OA-C1A-C2A	-3.01	123.78	126.17
31	DF	201	PEB	CHA-C1B-NB	-3.01	118.64	124.93
31	F9	202	PEB	CHA-C4A-NA	-3.01	121.63	125.20
31	WG	201	PEB	CAA-C3A-C2A	-3.01	106.74	114.26
31	hF	202	PEB	C1B-C2B-C3B	-3.01	103.05	106.51
31	XA	201	PEB	C3B-C4B-NB	3.01	114.43	110.05
31	OC	202	PEB	C3B-C4B-NB	3.01	114.43	110.05
31	bA	201	PEB	CHA-C1B-NB	-3.01	118.64	124.93
31	K5	201	PEB	CHC-C4C-C3C	-3.01	125.20	130.34
31	ZF	202	PEB	C4B-C3B-C2B	-3.01	103.45	106.78
33	C6	1001	CYC	C1A-C2A-C3A	-3.01	103.45	106.78
33	y3	1001	CYC	CHD-C4C-NC	3.01	128.78	125.20
31	YC	202	PEB	CHB-C4B-C3B	-3.01	118.37	125.32
31	R4	201	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	e6	201	PEB	OD-C4D-ND	-3.01	121.47	125.93
31	PE	201	PEB	CMC-C3C-C2C	3.01	130.61	124.94
31	HE	1002	PEB	OD-C4D-C3D	-3.01	122.64	129.46
31	W4	202	PEB	C3B-C4B-NB	3.01	114.42	110.05
31	S1	201	PEB	CBB-CAB-C3B	-3.01	104.27	112.63
31	dF	201	PEB	OA-C1A-NA	3.01	128.58	124.94
31	P9	202	PEB	C1B-C2B-C3B	-3.01	103.06	106.51
33	FD	202	CYC	C1B-NB-C4B	-3.01	106.84	110.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MH	202	PEB	CHA-C1B-C2B	3.01	132.63	124.90
31	JG	202	PEB	OA-C1A-C2A	-3.01	123.78	126.17
31	QD	201	PEB	CHA-C1B-NB	-3.01	118.64	124.93
31	D8	201	PEB	CHA-C1B-NB	-3.01	118.64	124.93
31	O4	203	PEB	C3B-C4B-NB	3.01	114.42	110.05
31	J7	201	PEB	CAB-C3B-C4B	3.01	130.33	125.01
31	K8	203	PEB	C4B-C3B-C2B	-3.01	103.45	106.78
31	L1	203	PEB	OD-C4D-ND	-3.01	121.48	125.93
31	mC	202	PEB	OD-C4D-ND	-3.01	121.48	125.93
31	cH	202	PEB	OD-C4D-ND	-3.01	121.48	125.93
31	KA	303	PEB	C1B-C2B-C3B	-3.01	103.06	106.51
31	DG	202	PEB	C1B-C2B-C3B	-3.01	103.06	106.51
31	F7	202	PEB	OD-C4D-ND	-3.01	121.48	125.93
31	kB	201	PEB	OD-C4D-ND	-3.01	121.48	125.93
31	pF	201	PEB	CHC-C4C-C3C	-3.01	125.21	130.34
31	fH	202	PEB	CHC-C4C-C3C	-3.01	125.21	130.34
31	bD	201	PEB	OA-C1A-C2A	-3.01	123.78	126.17
31	iF	201	PEB	CHA-C1B-C2B	3.01	132.63	124.90
31	NJ	203	PEB	C2A-C1A-NA	3.01	110.86	108.27
31	gD	202	PEB	CHA-C1B-NB	-3.01	118.65	124.93
31	fH	202	PEB	C3B-C4B-NB	3.01	114.42	110.05
31	YK	301	PEB	C1B-C2B-C3B	-3.01	103.06	106.51
31	C9	202	PEB	C1B-C2B-C3B	-3.01	103.06	106.51
31	WA	402	PEB	CHC-C4C-C3C	-3.01	125.21	130.34
31	B1	203	PEB	CMB-C2B-C1B	3.01	129.69	125.06
31	T1	202	PEB	C2B-C1B-NB	3.01	116.94	110.53
31	LI	203	PEB	CHA-C1B-NB	-3.01	118.65	124.93
31	c6	201	PEB	CHA-C1B-NB	-3.01	118.65	124.93
31	GF	201	PEB	CAA-C3A-C2A	3.01	121.77	114.26
31	M8	203	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
31	dD	203	PEB	CHC-C4C-C3C	-3.00	125.21	130.34
31	E7	203	PEB	OD-C4D-C3D	-3.00	122.65	129.46
31	X9	202	PEB	C1B-C2B-C3B	-3.00	103.06	106.51
31	UA	303	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	EH	201	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	IH	203	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	JK	203	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	D1	203	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	G7	203	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	i6	201	PEB	C3B-C4B-NB	3.00	114.42	110.05
31	S1	202	PEB	CMB-C2B-C1B	3.00	129.69	125.06
31	TJ	203	PEB	C4B-C3B-C2B	-3.00	103.46	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QH	204	PEB	CHB-C4B-NB	-3.00	124.66	128.83
31	PD	201	PEB	CMC-C3C-C2C	3.00	130.60	124.94
31	iH	201	PEB	C3B-C4B-NB	3.00	114.42	110.05
33	E6	1001	CYC	C2A-C1A-NA	3.00	114.42	110.05
31	S4	201	PEB	CMB-C2B-C1B	3.00	129.69	125.06
31	YF	201	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	b7	502	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	kB	203	PEB	CHB-C4B-NB	-3.00	124.66	128.83
31	JC	1002	PEB	CAB-CBB-CGB	-3.00	107.14	113.60
31	GF	203	PEB	CBB-CAB-C3B	3.00	120.97	112.63
31	g6	202	PEB	C3B-C4B-NB	3.00	114.42	110.05
31	LG	201	PEB	CMB-C2B-C1B	3.00	129.69	125.06
31	X7	201	PEB	CMB-C2B-C1B	3.00	129.69	125.06
31	a4	202	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	Y9	201	PEB	CHB-C4B-C3B	-3.00	118.38	125.32
31	FI	202	PEB	CAB-C3B-C4B	3.00	130.32	125.01
31	CA	202	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
33	KB	1001	CYC	C1A-C2A-C3A	-3.00	103.46	106.78
33	HD	1001	CYC	C2A-C1A-NA	3.00	114.42	110.05
31	Z9	303	PEB	CBC-CAC-C2C	-3.00	107.50	112.62
31	DA	202	PEB	C1B-C2B-C3B	-3.00	103.06	106.51
31	BK	203	PEB	CMB-C2B-C1B	3.00	129.69	125.06
31	D1	203	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	L9	203	PEB	OD-C4D-C3D	-3.00	122.66	129.46
31	iE	201	PEB	OD-C4D-C3D	-3.00	122.66	129.46
31	QB	201	PEB	C2B-C1B-NB	3.00	116.94	110.53
31	dE	204	PEB	C3B-C4B-NB	3.00	114.42	110.05
31	LJ	203	PEB	CMB-C2B-C1B	3.00	129.69	125.06
31	QH	201	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
31	HF	201	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	DE	1002	PEB	OD-C4D-C3D	-3.00	122.66	129.46
31	dE	203	PEB	C1B-C2B-C3B	-3.00	103.06	106.51
31	g6	203	PEB	CBB-CAB-C3B	3.00	120.97	112.63
31	A7	202	PEB	OD-C4D-ND	-3.00	121.48	125.93
31	RK	203	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
31	P5	201	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
31	lE	203	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
31	M9	303	PEB	CBC-CAC-C2C	-3.00	107.50	112.62
33	W3	1001	CYC	CHD-C4C-NC	3.00	128.77	125.20
31	cC	202	PEB	CAC-CBC-CGC	-3.00	105.35	113.76
31	HB	1002	PEB	OD-C4D-ND	-3.00	121.49	125.93
31	gD	201	PEB	OD-C4D-ND	-3.00	121.49	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	JJ	203	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	eD	201	PEB	OA-C1A-C2A	-3.00	123.79	126.17
31	E7	201	PEB	CHC-C1D-ND	-3.00	110.46	113.95
31	ZD	201	PEB	C1B-C2B-C3B	-3.00	103.06	106.51
31	IK	202	PEB	C3B-C4B-NB	3.00	114.41	110.05
31	dD	204	PEB	C3B-C4B-NB	3.00	114.41	110.05
31	DK	203	PEB	OD-C4D-ND	-3.00	121.49	125.93
32	AH	304	PUB	OA-C1A-NA	-3.00	121.49	125.93
31	Y2	201	PEB	CAB-CBB-CGB	-3.00	107.15	113.60
31	XF	203	PEB	CBC-CAC-C2C	3.00	117.74	112.62
31	TK	203	PEB	CHC-C4C-C3C	-3.00	125.22	130.34
31	WE	202	PEB	CMB-C2B-C1B	3.00	129.68	125.06
31	FB	1002	PEB	CHB-C4B-NB	-3.00	124.67	128.83
31	K4	202	PEB	C3B-C4B-NB	3.00	114.41	110.05
31	pF	202	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	EK	202	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
31	P9	202	PEB	C4B-C3B-C2B	-3.00	103.46	106.78
31	cA	403	PEB	CAC-C2C-C3C	3.00	135.86	127.25
31	N7	201	PEB	CBC-CAC-C2C	-3.00	107.50	112.62
31	BG	201	PEB	C1B-C2B-C3B	-3.00	103.07	106.51
31	D8	202	PEB	C1B-C2B-C3B	-3.00	103.07	106.51
31	QE	203	PEB	C4B-C3B-C2B	-3.00	103.47	106.78
31	fH	203	PEB	C4B-C3B-C2B	-3.00	103.47	106.78
31	jC	202	PEB	CHA-C4A-NA	-3.00	121.64	125.20
33	GB	1001	CYC	CMA-C3A-C4A	3.00	129.68	125.06
31	JB	1002	PEB	CAC-CBC-CGC	-3.00	105.36	113.76
31	SK	201	PEB	CMA-C2A-C1A	-3.00	105.94	112.40
31	M4	201	PEB	CHB-C4B-NB	-3.00	124.67	128.83
31	N6	1002	PEB	C3B-C4B-NB	3.00	114.41	110.05
33	BD	1001	CYC	C2A-C1A-NA	3.00	114.41	110.05
31	H1	203	PEB	CAB-C3B-C2B	-3.00	122.30	127.88
33	BD	1002	CYC	CAB-C3B-C4B	3.00	126.11	121.38
33	M2	201	CYC	CMB-C2B-C1B	3.00	127.91	124.17
31	OD	201	PEB	CHC-C4C-C3C	-3.00	125.22	130.34
31	L8	201	PEB	CAB-C3B-C4B	3.00	130.31	125.01
32	AC	303	PUB	CHA-C4A-NA	-3.00	110.47	113.95
31	D1	203	PEB	CMB-C2B-C1B	3.00	129.68	125.06
31	b8	201	PEB	C1B-C2B-C3B	-3.00	103.07	106.51
31	aH	203	PEB	C1B-C2B-C3B	-3.00	103.07	106.51
31	W1	201	PEB	CHA-C4A-NA	3.00	128.77	125.20
31	k8	203	PEB	CHA-C4A-NA	-3.00	121.64	125.20
31	T5	203	PEB	C3B-C4B-NB	3.00	114.41	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	jH	203	PEB	CHA-C1B-NB	-3.00	118.67	124.93
31	UC	201	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	e2	201	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	Y5	202	PEB	C2A-C1A-NA	3.00	110.86	108.27
33	n3	1001	CYC	C1B-CHB-C4A	3.00	135.40	128.08
31	O5	201	PEB	C1B-C2B-C3B	-3.00	103.07	106.51
33	CE	1001	CYC	C2A-C1A-NA	3.00	114.41	110.05
31	QJ	202	PEB	CHB-C4B-NB	-3.00	124.67	128.83
31	EA	501	PEB	OD-C4D-C3D	-3.00	122.67	129.46
31	YH	202	PEB	C4B-C3B-C2B	-3.00	103.47	106.78
31	GA	201	PEB	CMA-C2A-C1A	-3.00	105.95	112.40
33	H2	1001	CYC	CMC-C2C-C1C	-3.00	105.95	112.40
31	L9	201	PEB	OD-C4D-C3D	-3.00	122.67	129.46
31	aD	201	PEB	CHC-C4C-C3C	-3.00	125.23	130.34
31	OI	202	PEB	C1C-CHB-C4B	3.00	132.39	128.81
31	IH	201	PEB	C2A-C1A-NA	3.00	110.86	108.27
31	FJ	203	PEB	C1B-C2B-C3B	-3.00	103.07	106.51
31	Z8	201	PEB	CAB-CBB-CGB	-2.99	107.16	113.60
31	U7	202	PEB	CMC-C3C-C2C	2.99	130.59	124.94
31	XJ	201	PEB	CHA-C1B-NB	-2.99	118.67	124.93
31	SI	203	PEB	C3B-C4B-NB	2.99	114.41	110.05
31	iE	202	PEB	CHC-C4C-C3C	-2.99	125.23	130.34
31	X8	202	PEB	OD-C4D-C3D	-2.99	122.68	129.46
31	PD	201	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	w8	303	PEB	CAB-C3B-C2B	2.99	133.45	127.88
31	H7	201	PEB	C2A-C1A-NA	2.99	110.85	108.27
33	73	1002	CYC	C1B-NB-C4B	-2.99	106.86	110.67
31	f4	201	PEB	C3B-C4B-NB	2.99	114.40	110.05
32	Y1	304	PUB	CBB-CAB-C3B	-2.99	107.51	112.62
33	N6	1001	CYC	CHB-C1B-NB	-2.99	119.63	126.06
31	RC	201	PEB	CMB-C2B-C1B	2.99	129.67	125.06
31	O9	202	PEB	CBA-CAA-C3A	-2.99	106.80	113.47
31	AE	301	PEB	C3B-C4B-NB	2.99	114.40	110.05
31	QI	201	PEB	OD-C4D-ND	-2.99	121.50	125.93
33	D6	1001	CYC	CHA-C1A-NA	-2.99	124.67	128.83
31	C7	201	PEB	C2A-C1A-NA	2.99	110.85	108.27
31	M9	302	PEB	CHC-C1D-ND	-2.99	110.47	113.95
31	f4	203	PEB	OD-C4D-ND	-2.99	121.50	125.93
31	P2	201	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	a2	201	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	D7	201	PEB	CHA-C1B-NB	-2.99	118.67	124.93
31	N8	202	PEB	OA-C1A-C2A	-2.99	123.79	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	D1	202	PEB	CHA-C4A-NA	2.99	128.76	125.20
31	Q7	202	PEB	C2A-C1A-NA	2.99	110.85	108.27
31	ZD	202	PEB	C1B-C2B-C3B	-2.99	103.07	106.51
31	M5	202	PEB	C1B-C2B-C3B	-2.99	103.07	106.51
31	c6	202	PEB	C1B-C2B-C3B	-2.99	103.07	106.51
31	GJ	202	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	NJ	204	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	h6	202	PEB	CHC-C4C-C3C	-2.99	125.23	130.34
31	R9	201	PEB	OD-C4D-ND	-2.99	121.50	125.93
33	BE	1001	CYC	C4A-C3A-C2A	-2.99	103.07	106.51
31	F1	202	PEB	OD-C4D-C3D	-2.99	122.68	129.46
31	RD	202	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	VE	202	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	E1	202	PEB	C3B-C4B-NB	2.99	114.40	110.05
31	T7	201	PEB	C3B-C4B-NB	2.99	114.40	110.05
31	y8	301	PEB	C1B-C2B-C3B	-2.99	103.08	106.51
31	A9	202	PEB	C1B-C2B-C3B	-2.99	103.08	106.51
31	mB	203	PEB	OD-C4D-ND	-2.99	121.50	125.93
31	kC	201	PEB	OD-C4D-ND	-2.99	121.50	125.93
31	SD	202	PEB	CMB-C2B-C1B	2.99	129.67	125.06
31	iB	201	PEB	C4B-C3B-C2B	-2.99	103.47	106.78
31	EJ	202	PEB	CHA-C1B-NB	-2.99	118.68	124.93
31	T2	202	PEB	OD-C4D-C3D	-2.99	122.69	129.46
31	z8	501	PEB	OD-C4D-ND	-2.99	121.50	125.93
31	WK	202	PEB	CMB-C2B-C1B	2.99	129.67	125.06
31	HJ	201	PEB	C3B-C4B-NB	2.99	114.40	110.05
31	O1	202	PEB	C3B-C4B-NB	2.99	114.40	110.05
31	cH	202	PEB	C3B-C4B-NB	2.99	114.40	110.05
31	Q7	203	PEB	CHA-C1B-NB	-2.99	118.68	124.93
31	HH	201	PEB	OD-C4D-ND	-2.99	121.50	125.93
31	P2	202	PEB	OD-C4D-ND	-2.99	121.50	125.93
33	BE	1001	CYC	C2A-C1A-NA	2.99	114.40	110.05
31	C1	201	PEB	CHA-C4A-NA	2.99	128.76	125.20
31	aA	202	PEB	C1B-C2B-C3B	-2.99	103.08	106.51
31	F5	203	PEB	CHB-C4B-C3B	2.99	132.22	125.32
31	YK	301	PEB	C3B-C4B-NB	2.99	114.39	110.05
31	S4	202	PEB	OD-C4D-C3D	-2.99	122.69	129.46
31	f4	202	PEB	OD-C4D-C3D	-2.99	122.69	129.46
31	V2	201	PEB	CHC-C1D-ND	-2.99	110.48	113.95
31	MA	202	PEB	CBA-CAA-C3A	-2.99	106.82	113.47
31	HB	1002	PEB	C1B-C2B-C3B	-2.99	103.08	106.51
31	A2	302	PEB	OD-C4D-ND	-2.99	121.50	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WC	203	PEB	OA-C1A-C2A	-2.99	123.80	126.17
31	J8	202	PEB	C2A-C1A-NA	2.99	110.85	108.27
31	UJ	202	PEB	C4B-C3B-C2B	-2.99	103.48	106.78
31	A6	301	PEB	CHC-C1D-ND	-2.99	110.48	113.95
31	DG	202	PEB	C3B-C4B-NB	2.99	114.39	110.05
31	p8	201	PEB	C3B-C4B-NB	2.99	114.39	110.05
31	AH	302	PEB	C4B-C3B-C2B	-2.99	103.48	106.78
31	AJ	304	PEB	C4B-C3B-C2B	-2.99	103.48	106.78
31	i8	201	PEB	CHA-C1B-C2B	2.99	132.58	124.90
31	M7	201	PEB	CHC-C1D-ND	-2.99	110.48	113.95
31	QJ	201	PEB	OD-C4D-ND	-2.99	121.51	125.93
31	bB	202	PEB	OD-C4D-ND	-2.99	121.51	125.93
31	I1	202	PEB	C3B-C4B-NB	2.99	114.39	110.05
31	dE	202	PEB	CHA-C1B-NB	-2.99	118.69	124.93
31	EK	201	PEB	CHA-C1B-C2B	2.99	132.58	124.90
31	H9	203	PEB	CMB-C2B-C1B	2.99	129.66	125.06
31	FJ	203	PEB	CHB-C4B-C3B	2.99	132.22	125.32
31	A9	202	PEB	C4B-C3B-C2B	-2.98	103.48	106.78
31	PE	201	PEB	C2A-C1A-NA	2.98	110.85	108.27
31	u8	202	PEB	C2A-C1A-NA	2.98	110.85	108.27
31	BG	203	PEB	C1B-C2B-C3B	-2.98	103.08	106.51
33	BD	1001	CYC	CMB-C2B-C1B	2.98	127.89	124.17
31	U7	202	PEB	C1C-CHB-C4B	-2.98	125.24	128.81
31	b2	203	PEB	CHB-C4B-NB	-2.98	124.69	128.83
31	D6	1002	PEB	OD-C4D-ND	-2.98	121.51	125.93
31	h6	202	PEB	OD-C4D-ND	-2.98	121.51	125.93
31	N9	201	PEB	OD-C4D-ND	-2.98	121.51	125.93
31	iE	202	PEB	OD-C4D-ND	-2.98	121.51	125.93
31	R6	201	PEB	CHB-C4B-C3B	-2.98	118.43	125.32
31	MJ	201	PEB	C3B-C4B-NB	2.98	114.39	110.05
31	M5	202	PEB	C3B-C4B-NB	2.98	114.39	110.05
31	kH	201	PEB	CBC-CAC-C2C	-2.98	107.53	112.62
31	HK	203	PEB	CAB-C3B-C2B	-2.98	122.32	127.88
33	BD	1001	CYC	C4A-C3A-C2A	-2.98	103.08	106.51
31	hB	201	PEB	C2B-C1B-NB	2.98	116.90	110.53
31	AC	305	PEB	CHC-C4C-C3C	-2.98	125.25	130.34
33	LD	1001	CYC	C1B-NB-C4B	-2.98	106.87	110.67
33	BE	1001	CYC	CMB-C2B-C1B	2.98	127.89	124.17
31	e4	201	PEB	C3B-C4B-NB	2.98	114.39	110.05
31	PK	203	PEB	OD-C4D-C3D	-2.98	122.70	129.46
31	gF	203	PEB	OA-C1A-C2A	-2.98	123.80	126.17
31	HF	201	PEB	CHA-C1B-C2B	2.98	132.57	124.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I7	201	PEB	OD-C4D-ND	-2.98	121.51	125.93
33	J6	1001	CYC	C2A-C1A-NA	2.98	114.39	110.05
32	K1	203	PUB	CHA-C1B-C2B	-2.98	125.25	130.34
31	XJ	201	PEB	OD-C4D-ND	-2.98	121.51	125.93
31	NA	203	PEB	C3B-C4B-NB	2.98	114.39	110.05
31	MJ	202	PEB	C3B-C4B-NB	2.98	114.39	110.05
31	S4	203	PEB	C3B-C4B-NB	2.98	114.39	110.05
31	Y2	202	PEB	CHA-C1B-NB	-2.98	118.69	124.93
33	63	901	CYC	C4A-C3A-C2A	-2.98	103.08	106.51
31	ZF	201	PEB	CAB-CBB-CGB	-2.98	107.19	113.60
31	JJ	201	PEB	OD-C4D-C3D	-2.98	122.70	129.46
31	JJ	203	PEB	OD-C4D-C3D	-2.98	122.70	129.46
31	E4	203	PEB	OD-C4D-C3D	-2.98	122.70	129.46
31	I9	201	PEB	OD-C4D-ND	-2.98	121.51	125.93
31	aB	203	PEB	CAB-CBB-CGB	2.98	120.02	113.60
33	B3	1001	CYC	C1B-CHB-C4A	2.98	135.37	128.08
31	gE	202	PEB	CHA-C1B-NB	-2.98	118.70	124.93
33	LD	1001	CYC	C4A-C3A-C2A	-2.98	103.08	106.51
31	O8	203	PEB	OD-C4D-ND	-2.98	121.51	125.93
31	Q5	202	PEB	C3B-C4B-NB	2.98	114.39	110.05
33	U3	1001	CYC	C1B-CHB-C4A	2.98	135.36	128.08
31	dB	202	PEB	C4B-C3B-C2B	-2.98	103.48	106.78
31	FB	1002	PEB	CMD-C2D-C3D	2.98	134.27	130.06
31	MA	201	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	WJ	201	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	G8	203	PEB	CBB-CAB-C3B	2.98	120.91	112.63
31	SI	203	PEB	CHC-C4C-C3C	-2.98	125.25	130.34
31	JI	203	PEB	C3B-C4B-NB	2.98	114.38	110.05
33	D2	1003	CYC	CHA-C1A-NA	-2.98	124.69	128.83
31	kD	202	PEB	CBC-CAC-C2C	2.98	117.70	112.62
31	C8	202	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	bB	201	PEB	OD-C4D-C3D	-2.98	122.71	129.46
31	HC	1002	PEB	OA-C1A-C2A	-2.98	123.80	126.17
31	AB	304	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	NJ	203	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	BJ	203	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	C1	202	PEB	CHB-C4B-NB	-2.98	124.69	128.83
31	d8	201	PEB	OA-C1A-NA	2.98	128.55	124.94
31	PE	201	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	mD	203	PEB	OD-C4D-ND	-2.98	121.52	125.93
32	xF	301	PUB	CHA-C4A-NA	-2.98	110.49	113.95
31	M5	201	PEB	C3B-C4B-NB	2.98	114.38	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dA	201	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	WI	202	PEB	CAB-CBB-CGB	-2.98	107.19	113.60
31	iE	202	PEB	C4B-C3B-C2B	-2.98	103.49	106.78
31	W1	202	PEB	CMB-C2B-C1B	2.98	129.65	125.06
31	cF	202	PEB	CHB-C4B-NB	-2.98	124.69	128.83
31	Y7	504	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	X7	201	PEB	CHA-C1B-NB	-2.98	118.70	124.93
31	OE	203	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	QF	203	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	K9	201	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	LJ	201	PEB	OA-C1A-C2A	-2.98	123.81	126.17
33	F3	1001	CYC	C1B-CHB-C4A	2.98	135.36	128.08
31	J4	201	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	e6	203	PEB	CMB-C2B-C1B	2.98	129.65	125.06
31	iD	202	PEB	CHC-C4C-C3C	-2.98	125.26	130.34
31	JF	202	PEB	C4B-C3B-C2B	-2.98	103.49	106.78
31	ID	203	PEB	C4B-C3B-C2B	-2.98	103.49	106.78
31	VB	202	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	OJ	201	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	Q4	201	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	gB	202	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	F1	203	PEB	CHA-C4A-NA	-2.98	121.67	125.20
31	dA	201	PEB	OD-C4D-C3D	-2.98	122.71	129.46
31	dD	202	PEB	CHA-C1B-NB	-2.98	118.70	124.93
33	f3	1001	CYC	C1B-CHB-C4A	2.98	135.35	128.08
32	x8	301	PUB	C2C-C1C-NC	2.98	114.38	110.05
31	jE	201	PEB	CAB-CBB-CGB	-2.98	107.20	113.60
31	M9	301	PEB	CHC-C1D-ND	-2.98	110.49	113.95
31	W6	201	PEB	OD-C4D-C3D	-2.98	122.72	129.46
31	TB	202	PEB	C4B-C3B-C2B	-2.98	103.49	106.78
31	I9	202	PEB	C4B-C3B-C2B	-2.98	103.49	106.78
31	O9	201	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	N5	203	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	wF	302	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	C7	203	PEB	C2A-C1A-NA	2.98	110.84	108.27
33	I3	1001	CYC	C1B-CHB-C4A	2.98	135.35	128.08
31	W9	201	PEB	CHB-C4B-NB	-2.98	124.70	128.83
31	A8	201	PEB	CBC-CAC-C2C	-2.98	107.54	112.62
31	J4	202	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	SA	203	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	C1	201	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	X5	203	PEB	C1B-C2B-C3B	-2.98	103.09	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dD	203	PEB	C1B-C2B-C3B	-2.98	103.09	106.51
31	PB	202	PEB	CAB-C3B-C4B	2.98	130.27	125.01
31	CA	201	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	iC	202	PEB	OD-C4D-ND	-2.98	121.52	125.93
31	e6	201	PEB	CHC-C4C-C3C	-2.98	125.26	130.34
31	GJ	201	PEB	C3B-C4B-NB	2.98	114.38	110.05
31	j8	202	PEB	C4B-C3B-C2B	-2.98	103.49	106.78
31	V9	202	PEB	C4B-C3B-C2B	-2.98	103.49	106.78
31	X5	203	PEB	C3B-C4B-NB	2.97	114.38	110.05
31	H9	203	PEB	C3B-C4B-NB	2.97	114.38	110.05
31	LJ	203	PEB	CHB-C4B-NB	-2.97	124.70	128.83
31	XF	202	PEB	C2A-C1A-NA	2.97	110.84	108.27
31	PC	202	PEB	OD-C4D-ND	-2.97	121.52	125.93
31	f4	201	PEB	OD-C4D-ND	-2.97	121.52	125.93
31	A2	301	PEB	C4B-C3B-C2B	-2.97	103.49	106.78
31	FG	202	PEB	CMB-C2B-C1B	2.97	129.64	125.06
31	fC	203	PEB	CHC-C1D-ND	-2.97	110.49	113.95
31	UJ	201	PEB	CHA-C1B-NB	-2.97	118.71	124.93
31	gF	202	PEB	C1C-CHB-C4B	2.97	132.36	128.81
31	F6	1002	PEB	CMB-C2B-C1B	2.97	129.64	125.06
31	ND	201	PEB	OD-C4D-C3D	-2.97	122.72	129.46
31	MK	201	PEB	CAB-C3B-C4B	2.97	130.27	125.01
31	Y7	504	PEB	CBC-CAC-C2C	-2.97	107.55	112.62
31	W5	202	PEB	C4B-C3B-C2B	-2.97	103.49	106.78
33	k3	1001	CYC	C1B-CHB-C4A	2.97	135.34	128.08
32	xF	301	PUB	C2C-C1C-NC	2.97	114.37	110.05
31	QA	203	PEB	C2A-C1A-NA	2.97	110.84	108.27
31	Q2	201	PEB	C2A-C1A-NA	2.97	110.84	108.27
31	W5	202	PEB	C2A-C1A-NA	2.97	110.84	108.27
33	63	901	CYC	C2C-C1C-NC	2.97	110.84	108.27
31	h8	202	PEB	CMB-C2B-C1B	2.97	129.64	125.06
31	N4	201	PEB	CAB-C3B-C4B	2.97	130.27	125.01
31	jD	201	PEB	CAB-CBB-CGB	-2.97	107.21	113.60
31	SH	203	PEB	CHA-C1B-NB	-2.97	118.72	124.93
31	Z8	202	PEB	CHB-C4B-C3B	-2.97	118.45	125.32
31	U6	202	PEB	C4B-C3B-C2B	-2.97	103.49	106.78
31	TJ	202	PEB	OD-C4D-ND	-2.97	121.53	125.93
31	N8	202	PEB	OD-C4D-ND	-2.97	121.53	125.93
31	TC	201	PEB	CMB-C2B-C1B	2.97	129.64	125.06
31	O1	202	PEB	CMB-C2B-C1B	2.97	129.64	125.06
31	dJ	401	PEB	CBC-CAC-C2C	2.97	117.69	112.62
33	DC	1003	CYC	CHB-C4A-NA	-2.97	118.72	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YJ	202	PEB	C2A-C1A-NA	2.97	110.83	108.27
31	iH	201	PEB	CAB-C3B-C4B	2.97	130.27	125.01
31	mF	202	PEB	C1B-C2B-C3B	-2.97	103.10	106.51
31	CK	201	PEB	CHA-C4A-NA	2.97	128.74	125.20
31	QF	202	PEB	C4B-C3B-C2B	-2.97	103.49	106.78
31	I4	202	PEB	C4B-C3B-C2B	-2.97	103.49	106.78
31	X7	202	PEB	C4B-C3B-C2B	-2.97	103.49	106.78
31	b6	201	PEB	OD-C4D-C3D	-2.97	122.73	129.46
31	OI	203	PEB	CHC-C1D-ND	-2.97	110.50	113.95
31	TA	202	PEB	CMB-C2B-C1B	2.97	129.64	125.06
31	M5	202	PEB	CMB-C2B-C1B	2.97	129.64	125.06
31	PD	202	PEB	C2A-C1A-NA	2.97	110.83	108.27
31	MF	201	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
31	R1	201	PEB	C3B-C4B-NB	2.97	114.37	110.05
31	kB	202	PEB	C3B-C4B-NB	2.97	114.37	110.05
31	M5	201	PEB	CBC-CAC-C2C	2.97	117.69	112.62
31	aB	203	PEB	OD-C4D-ND	-2.97	121.53	125.93
31	kE	202	PEB	CHC-C4C-C3C	-2.97	125.27	130.34
33	j3	1001	CYC	C1B-CHB-C4A	2.97	135.34	128.08
31	Z2	203	PEB	CHA-C1B-C2B	2.97	132.54	124.90
31	bD	202	PEB	C1B-C2B-C3B	-2.97	103.10	106.51
31	LG	201	PEB	C3B-C4B-NB	2.97	114.37	110.05
31	a4	203	PEB	C3B-C4B-NB	2.97	114.37	110.05
31	A6	305	PEB	CHA-C1B-NB	-2.97	118.72	124.93
31	C9	202	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
33	d3	1001	CYC	C1B-CHB-C4A	2.97	135.34	128.08
31	RH	202	PEB	OD-C4D-ND	-2.97	121.53	125.93
31	iD	201	PEB	OD-C4D-C3D	-2.97	122.73	129.46
31	W2	201	PEB	CAC-CBC-CGC	2.97	122.08	113.76
31	EH	201	PEB	CHA-C1B-NB	-2.97	118.72	124.93
31	MF	202	PEB	OD-C4D-ND	-2.97	121.53	125.93
32	AE	302	PUB	OA-C1A-NA	-2.97	121.53	125.93
33	O3	1001	CYC	C1B-CHB-C4A	2.97	135.33	128.08
31	G8	201	PEB	CAA-C3A-C2A	2.97	121.68	114.26
31	V4	201	PEB	OD-C4D-C3D	-2.97	122.73	129.46
31	H7	202	PEB	CHC-C1D-ND	-2.97	110.50	113.95
31	KA	304	PEB	C3B-C4B-NB	2.97	114.37	110.05
31	YC	202	PEB	CHA-C1B-NB	-2.97	118.72	124.93
31	ZH	202	PEB	OA-C1A-C2A	-2.97	123.81	126.17
31	L5	201	PEB	OA-C1A-C2A	-2.97	123.81	126.17
31	W9	203	PEB	C1B-C2B-C3B	-2.97	103.10	106.51
31	cB	202	PEB	C1B-C2B-C3B	-2.97	103.10	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	K6	1001	CYC	C4A-C3A-C2A	-2.97	103.10	106.51
31	T9	202	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
31	WG	203	PEB	C3B-C4B-NB	2.97	114.37	110.05
33	EB	1001	CYC	C2A-C1A-NA	2.97	114.37	110.05
33	u3	1001	CYC	C1B-CHB-C4A	2.97	135.33	128.08
32	YK	304	PUB	CBB-CAB-C3B	-2.97	107.56	112.62
31	d5	401	PEB	CBC-CAC-C2C	2.97	117.68	112.62
31	RJ	201	PEB	C2A-C1A-NA	2.97	110.83	108.27
31	TC	202	PEB	OD-C4D-C3D	-2.97	122.74	129.46
33	D3	1001	CYC	C1B-CHB-C4A	2.97	135.33	128.08
31	CK	202	PEB	CHB-C4B-NB	-2.97	124.71	128.83
31	QJ	202	PEB	C3B-C4B-NB	2.97	114.36	110.05
33	FD	202	CYC	C2A-C1A-NA	2.97	114.36	110.05
31	MF	203	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
31	EH	203	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
31	VK	202	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
31	V2	202	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
31	E9	202	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
31	UE	201	PEB	OD-C4D-ND	-2.97	121.53	125.93
32	A4	303	PUB	OD-C4D-ND	-2.97	121.53	125.93
33	L3	1001	CYC	C1B-CHB-C4A	2.97	135.33	128.08
31	T1	203	PEB	CHC-C4C-C3C	-2.97	125.28	130.34
31	wF	303	PEB	CAB-C3B-C2B	2.97	133.40	127.88
33	D2	1003	CYC	CHB-C4A-NA	-2.97	118.73	124.93
31	jE	202	PEB	C3B-C4B-NB	2.97	114.36	110.05
31	JA	202	PEB	CMB-C2B-C1B	2.97	129.63	125.06
31	Q7	202	PEB	OD-C4D-ND	-2.97	121.54	125.93
31	E9	201	PEB	OD-C4D-ND	-2.97	121.54	125.93
31	AC	301	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
33	M2	201	CYC	C1A-C2A-C3A	-2.97	103.50	106.78
31	WD	201	PEB	C1C-CHB-C4B	2.97	132.35	128.81
31	TG	201	PEB	OD-C4D-C3D	-2.97	122.74	129.46
31	eB	203	PEB	CMB-C2B-C1B	2.97	129.63	125.06
31	WH	202	PEB	C3B-C4B-NB	2.97	114.36	110.05
31	V1	202	PEB	C3B-C4B-NB	2.97	114.36	110.05
31	KI	201	PEB	CHC-C4C-C3C	-2.97	125.28	130.34
31	iD	202	PEB	C4B-C3B-C2B	-2.97	103.50	106.78
33	q3	1001	CYC	C1B-CHB-C4A	2.97	135.32	128.08
31	K8	201	PEB	CHA-C1B-NB	-2.96	118.73	124.93
31	XI	201	PEB	CHC-C4C-C3C	-2.96	125.28	130.34
33	LE	1001	CYC	C1B-NB-C4B	-2.96	106.89	110.67
31	eB	201	PEB	OD-C4D-ND	-2.96	121.54	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	NJ	201	PUB	OD-C4D-ND	-2.96	121.54	125.93
31	bC	202	PEB	CMD-C2D-C3D	2.96	134.25	130.06
33	o3	1001	CYC	C1B-CHB-C4A	2.96	135.32	128.08
31	m8	202	PEB	C1B-C2B-C3B	-2.96	103.10	106.51
31	dE	202	PEB	C1B-C2B-C3B	-2.96	103.10	106.51
33	F2	1001	CYC	C4A-C3A-C2A	-2.96	103.10	106.51
31	OG	201	PEB	CHC-C4C-C3C	-2.96	125.28	130.34
31	O2	203	PEB	C3B-C4B-NB	2.96	114.36	110.05
31	h4	201	PEB	C4B-C3B-C2B	-2.96	103.50	106.78
31	cD	202	PEB	OD-C4D-C3D	-2.96	122.75	129.46
31	HE	1002	PEB	CAA-C3A-C4A	-2.96	105.06	112.67
31	h6	201	PEB	C2B-C1B-NB	2.96	116.86	110.53
31	WE	202	PEB	C1C-CHB-C4B	2.96	132.35	128.81
31	OF	203	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	QI	202	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	X9	201	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	gE	201	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	Q9	202	PEB	OA-C1A-C2A	-2.96	123.82	126.17
31	AI	201	PEB	CHC-C4C-C3C	-2.96	125.28	130.34
31	QE	201	PEB	CHA-C1B-NB	-2.96	118.73	124.93
31	iF	203	PEB	C1B-C2B-C3B	-2.96	103.11	106.51
31	EA	501	PEB	CBC-CAC-C2C	-2.96	107.56	112.62
31	JJ	203	PEB	CBC-CAC-C2C	-2.96	107.56	112.62
31	WE	203	PEB	C2A-C1A-NA	2.96	110.83	108.27
31	AK	202	PEB	C2A-C1A-NA	2.96	110.83	108.27
31	FH	201	PEB	C3B-C4B-NB	2.96	114.36	110.05
33	w3	1001	CYC	C1B-CHB-C4A	2.96	135.32	128.08
31	XH	202	PEB	CAB-C3B-C4B	2.96	130.25	125.01
31	Y7	502	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	O9	202	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	mF	202	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	mH	201	PEB	OA-C1A-C2A	-2.96	123.82	126.17
31	AA	501	PEB	CMB-C2B-C1B	2.96	129.62	125.06
31	MJ	201	PEB	CBC-CAC-C2C	2.96	117.67	112.62
31	Q1	202	PEB	C4B-C3B-C2B	-2.96	103.50	106.78
31	T6	202	PEB	C4B-C3B-C2B	-2.96	103.50	106.78
31	T1	201	PEB	CAB-C3B-C4B	2.96	130.25	125.01
31	WH	203	PEB	C2A-C1A-NA	2.96	110.83	108.27
31	Y4	201	PEB	C2A-C1A-NA	2.96	110.83	108.27
31	u8	201	PEB	C2A-C1A-NA	2.96	110.83	108.27
33	73	1001	CYC	C1B-CHB-C4A	2.96	135.32	128.08
31	EI	201	PEB	CHC-C4C-C3C	-2.96	125.29	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	DF	202	PEB	C1B-C2B-C3B	-2.96	103.11	106.51
31	FG	202	PEB	C1C-CHB-C4B	-2.96	125.27	128.81
31	GA	201	PEB	C3B-C4B-NB	2.96	114.36	110.05
31	P9	202	PEB	C3B-C4B-NB	2.96	114.36	110.05
31	A9	201	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	J9	202	PEB	OD-C4D-ND	-2.96	121.54	125.93
31	MA	202	PEB	C3D-C4D-ND	2.96	113.07	107.26
33	Q3	1001	CYC	C1B-CHB-C4A	2.96	135.31	128.08
31	E1	201	PEB	CHA-C1B-C2B	2.96	132.51	124.90
33	FB	1001	CYC	CAB-C3B-C4B	2.96	126.05	121.38
33	H3	1001	CYC	C1B-CHB-C4A	2.96	135.31	128.08
31	MI	302	PEB	OD-C4D-C3D	-2.96	122.75	129.46
31	aH	204	PEB	CAA-C3A-C4A	-2.96	105.07	112.67
31	BH	301	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	W9	201	PEB	C2B-C1B-NB	2.96	116.85	110.53
31	SG	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	f4	203	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	PI	201	PEB	CHC-C4C-C3C	-2.96	125.29	130.34
31	PH	202	PEB	C3B-C4B-NB	2.96	114.35	110.05
31	H7	202	PEB	C3B-C4B-NB	2.96	114.35	110.05
31	LJ	203	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	B7	202	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	P5	201	PEB	C1B-C2B-C3B	-2.96	103.11	106.51
31	T2	202	PEB	CAA-C3A-C4A	2.96	120.27	112.67
33	M3	1001	CYC	C1B-CHB-C4A	2.96	135.31	128.08
31	MI	304	PEB	C2A-C1A-NA	2.96	110.82	108.27
31	D9	203	PEB	C2A-C1A-NA	2.96	110.82	108.27
31	BI	203	PEB	CHC-C1D-ND	-2.96	110.51	113.95
31	RJ	201	PEB	OD-C4D-C3D	-2.96	122.76	129.46
31	KA	301	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	WI	203	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	MK	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	x8	303	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	kF	203	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	AB	305	PEB	CHA-C1B-NB	-2.96	118.74	124.93
31	ZC	202	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	a6	203	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	jD	202	PEB	C1B-C2B-C3B	-2.96	103.11	106.51
31	CJ	202	PEB	OA-C1A-C2A	-2.96	123.82	126.17
31	HF	201	PEB	C3B-C4B-NB	2.96	114.35	110.05
31	VK	202	PEB	C3B-C4B-NB	2.96	114.35	110.05
31	UD	201	PEB	OD-C4D-ND	-2.96	121.55	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	DG	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	WJ	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	XK	203	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	g8	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	PK	201	PEB	CAB-CBB-CGB	-2.96	107.24	113.60
31	cD	201	PEB	CHA-C1B-NB	-2.96	118.75	124.93
31	cC	202	PEB	CHB-C4B-NB	-2.96	124.72	128.83
31	QH	204	PEB	C1B-C2B-C3B	-2.96	103.11	106.51
31	dD	202	PEB	C1B-C2B-C3B	-2.96	103.11	106.51
31	XF	203	PEB	CAB-C3B-C4B	2.96	130.24	125.01
31	Y9	202	PEB	C3B-C4B-NB	2.96	114.35	110.05
33	K6	1001	CYC	C2A-C1A-NA	2.96	114.35	110.05
31	eF	202	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	YC	201	PEB	CHC-C4C-C3C	-2.96	125.29	130.34
31	CA	201	PEB	CMB-C2B-C1B	2.96	129.62	125.06
31	SK	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	M1	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	h2	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	kF	201	PEB	CHA-C1B-C2B	2.96	132.50	124.90
31	HG	202	PEB	C2A-C1A-NA	2.96	110.82	108.27
31	a8	203	PEB	C2A-C1A-NA	2.96	110.82	108.27
31	eE	201	PEB	OA-C1A-C2A	-2.96	123.82	126.17
31	CF	203	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	m8	202	PEB	OD-C4D-ND	-2.96	121.55	125.93
31	L5	203	PEB	CMB-C2B-C1B	2.96	129.62	125.06
31	VK	202	PEB	CHC-C1D-ND	-2.96	110.51	113.95
31	e6	202	PEB	CHA-C1B-NB	-2.96	118.75	124.93
33	DC	1003	CYC	CHA-C1A-NA	-2.96	124.73	128.83
31	XF	202	PEB	OD-C4D-C3D	-2.96	122.76	129.46
31	RA	202	PEB	C4B-C3B-C2B	-2.96	103.51	106.78
31	G1	202	PEB	C3B-C4B-NB	2.96	114.35	110.05
31	d4	201	PEB	C3B-C4B-NB	2.96	114.35	110.05
31	B5	202	PEB	C3B-C4B-NB	2.96	114.35	110.05
31	NE	201	PEB	CMB-C2B-C1B	2.96	129.62	125.06
31	LK	203	PEB	CMB-C2B-C1B	2.96	129.62	125.06
31	MK	201	PEB	C1B-C2B-C3B	-2.96	103.11	106.51
33	GB	1001	CYC	C4A-C3A-C2A	-2.96	103.11	106.51
31	nF	202	PEB	OD-C4D-C3D	-2.96	122.76	129.46
31	A1	202	PEB	OA-C1A-C2A	-2.96	123.82	126.17
31	N9	202	PEB	CAA-C3A-C4A	-2.96	105.08	112.67
31	pF	201	PEB	C3B-C4B-NB	2.96	114.35	110.05
32	AH	304	PUB	OD-C4D-ND	-2.96	121.55	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZC	203	PEB	CHA-C1B-C2B	2.96	132.50	124.90
33	S3	1001	CYC	C1B-CHB-C4A	2.95	135.30	128.08
31	GJ	201	PEB	CHB-C4B-NB	-2.95	124.73	128.83
31	PE	202	PEB	CAB-C3B-C4B	2.95	130.24	125.01
31	R2	201	PEB	CMB-C2B-C1B	2.95	129.61	125.06
31	i8	203	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	DI	202	PEB	CBA-CAA-C3A	-2.95	106.89	113.47
31	O4	203	PEB	C4B-C3B-C2B	-2.95	103.51	106.78
31	BI	201	PEB	CAB-C3B-C4B	2.95	130.24	125.01
31	c8	203	PEB	C3B-C4B-NB	2.95	114.35	110.05
32	AD	302	PUB	OA-C1A-NA	-2.95	121.55	125.93
31	NH	201	PEB	CHA-C1B-NB	-2.95	118.75	124.93
31	eE	201	PEB	CHA-C1B-NB	-2.95	118.75	124.93
31	NI	201	PEB	CHC-C4C-C3C	-2.95	125.30	130.34
31	RI	201	PEB	CHC-C4C-C3C	-2.95	125.30	130.34
33	BD	1002	CYC	CAD-CBD-CGD	-2.95	105.48	113.76
31	G1	202	PEB	C4B-C3B-C2B	-2.95	103.51	106.78
31	G4	201	PEB	C4B-C3B-C2B	-2.95	103.51	106.78
31	X9	202	PEB	C4B-C3B-C2B	-2.95	103.51	106.78
31	OD	203	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	XF	203	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	e8	202	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	FG	202	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	YG	201	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	J4	202	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	CI	201	PEB	CHC-C4C-C3C	-2.95	125.30	130.34
33	BE	1002	CYC	CAD-CBD-CGD	-2.95	105.48	113.76
31	BJ	202	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	CI	201	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
33	h3	1001	CYC	C1B-CHB-C4A	2.95	135.29	128.08
33	JC	1003	CYC	CHB-C1B-NB	-2.95	119.72	126.06
31	J1	203	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	J1	203	PEB	CHC-C4C-C3C	-2.95	125.30	130.34
31	k6	201	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	g6	202	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	CJ	201	PEB	OD-C4D-C3D	-2.95	122.77	129.46
31	TE	201	PEB	C1C-CHB-C4B	2.95	132.34	128.81
33	L6	1001	CYC	CAB-C3B-C4B	2.95	126.04	121.38
31	hC	201	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
33	JC	1003	CYC	C1A-C2A-C3A	-2.95	103.52	106.78
31	iF	202	PEB	CHA-C1B-NB	-2.95	118.76	124.93
33	HE	1001	CYC	CHB-C1B-NB	-2.95	119.72	126.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	XA	202	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	F7	202	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	e6	202	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	jC	203	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	H6	1002	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	EK	202	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	TB	203	PEB	CHC-C1D-ND	-2.95	110.52	113.95
32	A6	302	PUB	OA-C1A-NA	-2.95	121.56	125.93
31	NA	203	PEB	C2A-C1A-NA	2.95	110.82	108.27
31	Y4	203	PEB	C1B-C2B-C3B	-2.95	103.12	106.51
31	R9	202	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
31	WF	201	PEB	OD-C4D-C3D	-2.95	122.78	129.46
31	QD	203	PEB	OA-C1A-C2A	-2.95	123.83	126.17
31	kE	202	PEB	CBC-CAC-C2C	2.95	117.65	112.62
31	DB	1002	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	V9	201	PEB	OD-C4D-ND	-2.95	121.56	125.93
32	YK	304	PUB	OA-C1A-NA	-2.95	121.56	125.93
31	UB	202	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
31	IK	202	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
31	j2	203	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
31	G9	202	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
33	J6	1001	CYC	C1A-C2A-C3A	-2.95	103.52	106.78
31	DA	203	PEB	C2A-C1A-NA	2.95	110.81	108.27
31	C5	201	PEB	OD-C4D-C3D	-2.95	122.78	129.46
31	V7	201	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	G9	201	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	T9	201	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	E9	202	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	pF	202	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	O9	203	PEB	CBC-CAC-C2C	-2.95	107.59	112.62
31	k8	201	PEB	CHA-C1B-C2B	2.95	132.48	124.90
31	UE	202	PEB	C1B-C2B-C3B	-2.95	103.12	106.51
31	eC	202	PEB	CHA-C4A-NA	2.95	128.71	125.20
31	VC	203	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	m6	203	PEB	OD-C4D-ND	-2.95	121.56	125.93
31	A5	302	PEB	CHC-C4C-C3C	-2.95	125.31	130.34
31	H4	202	PEB	CAB-C3B-C2B	2.95	133.37	127.88
31	DJ	201	PEB	OD-C4D-C3D	-2.95	122.78	129.46
31	T8	201	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	GI	201	PEB	CHC-C4C-C3C	-2.95	125.31	130.34
32	KK	203	PUB	CHA-C1B-C2B	-2.95	125.31	130.34
31	I9	202	PEB	CAA-C3A-C4A	-2.95	105.11	112.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W4	201	PEB	C1B-C2B-C3B	-2.95	103.12	106.51
31	iB	201	PEB	C1B-C2B-C3B	-2.95	103.12	106.51
31	RK	201	PEB	C3B-C4B-NB	2.95	114.34	110.05
31	e2	202	PEB	CHA-C4A-NA	2.95	128.71	125.20
31	eC	203	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
31	IH	203	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
31	cE	202	PEB	OD-C4D-C3D	-2.95	122.78	129.46
31	X9	202	PEB	CAA-C3A-C4A	-2.95	105.11	112.67
31	K8	203	PEB	CHB-C4B-NB	-2.95	124.74	128.83
31	i8	202	PEB	CMB-C2B-C1B	2.95	129.60	125.06
33	FD	201	CYC	CMA-C3A-C4A	2.95	129.60	125.06
31	cF	201	PEB	CAB-C3B-C4B	2.95	130.22	125.01
31	II	201	PEB	CHC-C4C-C3C	-2.95	125.31	130.34
31	X8	203	PEB	CBC-CAC-C2C	2.95	117.65	112.62
31	iD	202	PEB	C1B-C2B-C3B	-2.95	103.12	106.51
31	a4	201	PEB	CMB-C2B-C1B	2.95	129.60	125.06
31	Z9	302	PEB	CHC-C1D-ND	-2.95	110.53	113.95
31	R4	202	PEB	OD-C4D-ND	-2.95	121.57	125.93
31	j4	201	PEB	OD-C4D-ND	-2.95	121.57	125.93
31	zF	501	PEB	OD-C4D-ND	-2.95	121.57	125.93
31	IA	202	PEB	CHA-C1B-NB	-2.95	118.77	124.93
31	WC	201	PEB	CAC-CBC-CGC	2.95	122.02	113.76
31	l2	202	PEB	C3B-C4B-NB	2.95	114.33	110.05
31	MJ	202	PEB	CMB-C2B-C1B	2.95	129.60	125.06
31	TI	201	PEB	CHC-C4C-C3C	-2.95	125.31	130.34
31	s8	201	PEB	C1B-C2B-C3B	-2.95	103.13	106.51
31	WH	203	PEB	CAA-C3A-C4A	-2.95	105.11	112.67
31	aC	202	PEB	C4B-C3B-C2B	-2.95	103.52	106.78
31	VD	201	PEB	OD-C4D-ND	-2.95	121.57	125.93
31	F7	201	PEB	OD-C4D-ND	-2.95	121.57	125.93
31	I8	201	PEB	CAB-C3B-C4B	2.95	130.22	125.01
31	BA	202	PEB	C3B-C4B-NB	2.95	114.33	110.05
31	KE	201	PEB	C3B-C4B-NB	2.95	114.33	110.05
31	G9	202	PEB	C3B-C4B-NB	2.95	114.33	110.05
31	R9	202	PEB	CAA-C3A-C4A	-2.94	105.11	112.67
31	U9	203	PEB	OA-C1A-C2A	-2.94	123.83	126.17
31	GK	202	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	dD	203	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	IF	201	PEB	CAB-C3B-C4B	2.94	130.22	125.01
31	P1	201	PEB	CHB-C4B-NB	-2.94	124.74	128.83
31	NE	201	PEB	OD-C4D-C3D	-2.94	122.79	129.46
31	QE	203	PEB	C1B-C2B-C3B	-2.94	103.13	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SA	203	PEB	CMB-C2B-C1B	2.94	129.60	125.06
31	RB	201	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
33	JB	1001	CYC	C1A-C2A-C3A	-2.94	103.53	106.78
31	FH	202	PEB	OD-C4D-C3D	-2.94	122.79	129.46
31	R1	203	PEB	OD-C4D-C3D	-2.94	122.79	129.46
31	fF	201	PEB	CMB-C2B-C1B	2.94	129.60	125.06
31	K5	202	PEB	C2A-C1A-NA	2.94	110.81	108.27
33	NB	1001	CYC	CHB-C1B-NB	-2.94	119.74	126.06
33	HD	1001	CYC	CHB-C1B-NB	-2.94	119.74	126.06
31	P9	202	PEB	CAA-C3A-C4A	-2.94	105.12	112.67
31	eB	201	PEB	CHC-C4C-C3C	-2.94	125.32	130.34
31	ZB	202	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	TJ	203	PEB	C3B-C4B-NB	2.94	114.33	110.05
31	WB	201	PEB	OD-C4D-C3D	-2.94	122.79	129.46
31	bE	201	PEB	C1B-C2B-C3B	-2.94	103.13	106.51
31	WE	203	PEB	CHB-C4B-NB	-2.94	124.75	128.83
31	L5	203	PEB	CHB-C4B-NB	-2.94	124.75	128.83
31	BG	203	PEB	CBC-CAC-C2C	-2.94	107.60	112.62
31	AC	302	PEB	OD-C4D-ND	-2.94	121.57	125.93
31	Z2	202	PEB	OD-C4D-ND	-2.94	121.57	125.93
31	T9	202	PEB	C3B-C4B-NB	2.94	114.33	110.05
31	U6	201	PEB	CMA-C2A-C1A	-2.94	106.06	112.40
31	J1	201	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	dE	203	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	i6	202	PEB	CHA-C1B-NB	-2.94	118.78	124.93
31	H9	202	PEB	OA-C1A-C2A	-2.94	123.83	126.17
31	hD	202	PEB	CMB-C2B-C1B	2.94	129.59	125.06
31	V9	202	PEB	CAA-C3A-C4A	-2.94	105.12	112.67
31	PF	201	PEB	C3B-C4B-NB	2.94	114.33	110.05
31	T1	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	OK	202	PEB	CMB-C2B-C1B	2.94	129.59	125.06
31	D1	202	PEB	CMB-C2B-C1B	2.94	129.59	125.06
31	E7	203	PEB	CMB-C2B-C1B	2.94	129.59	125.06
31	R9	202	PEB	C3B-C4B-NB	2.94	114.33	110.05
31	lD	202	PEB	C3B-C4B-NB	2.94	114.33	110.05
31	C9	202	PEB	CAA-C3A-C4A	-2.94	105.12	112.67
31	LE	1002	PEB	C1B-C2B-C3B	-2.94	103.13	106.51
31	NF	202	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	l4	203	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	aE	202	PEB	OD-C4D-ND	-2.94	121.58	125.93
33	FE	1001	CYC	C1A-C2A-C3A	-2.94	103.53	106.78
31	U7	201	PEB	C4B-NB-C1B	-2.94	100.97	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BG	201	PEB	CAB-C3B-C4B	2.94	130.21	125.01
31	dH	201	PEB	C3B-C4B-NB	2.94	114.32	110.05
31	M8	203	PEB	CBC-CAC-C2C	2.94	117.64	112.62
31	ZG	401	PEB	OD-C4D-C3D	-2.94	122.80	129.46
31	IJ	201	PEB	OD-C4D-C3D	-2.94	122.80	129.46
33	HC	1001	CYC	CMC-C2C-C1C	-2.94	106.07	112.40
31	S9	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	QK	202	PEB	CBA-CAA-C3A	-2.94	106.92	113.47
31	UA	303	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	DD	1002	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	v8	202	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	q8	202	PEB	CAB-CBB-CGB	-2.94	107.28	113.60
31	A9	202	PEB	C3B-C4B-NB	2.94	114.32	110.05
31	VD	202	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	SH	203	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	K9	202	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	VJ	202	PEB	OA-C1A-C2A	-2.94	123.84	126.17
31	FK	203	PEB	CHA-C4A-NA	-2.94	121.71	125.20
31	b2	202	PEB	CMD-C2D-C3D	2.94	134.21	130.06
31	HJ	202	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	UD	202	PEB	CHC-C1D-ND	-2.94	110.54	113.95
31	CA	201	PEB	C3B-C4B-NB	2.94	114.32	110.05
31	OI	203	PEB	C3B-C4B-NB	2.94	114.32	110.05
31	S7	201	PEB	CHA-C1B-NB	-2.94	118.79	124.93
31	WD	203	PEB	C2A-C1A-NA	2.94	110.81	108.27
31	VF	201	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	h6	202	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	cA	403	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
33	BD	1001	CYC	C1A-C2A-C3A	-2.94	103.53	106.78
33	DE	1001	CYC	C1A-C2A-C3A	-2.94	103.53	106.78
31	C5	202	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	f8	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	R1	201	PEB	CHB-C4B-NB	-2.94	124.75	128.83
31	TK	201	PEB	CAB-C3B-C4B	2.94	130.20	125.01
31	TK	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	A9	202	PEB	CAA-C3A-C4A	-2.94	105.13	112.67
33	KD	202	CYC	CMB-C2B-C1B	2.94	127.83	124.17
31	Q4	203	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	N9	202	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	qF	203	PEB	C4B-C3B-C2B	-2.94	103.53	106.78
31	g4	202	PEB	C2A-C1A-NA	2.94	110.80	108.27
31	aH	204	PEB	C2A-C1A-NA	2.94	110.80	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	K2	201	CYC	CHB-C1B-NB	-2.94	119.75	126.06
31	DF	202	PEB	CMB-C2B-C1B	2.94	129.59	125.06
31	QA	201	PEB	CMC-C3C-C2C	-2.94	119.41	124.94
31	M8	203	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	AK	202	PEB	OA-C1A-C2A	-2.94	123.84	126.17
31	C4	202	PEB	C3B-C4B-NB	2.94	114.32	110.05
31	A8	201	PEB	C3B-C4B-NB	2.94	114.32	110.05
33	H2	1001	CYC	C2A-C1A-NA	2.94	114.32	110.05
31	CG	201	PEB	CHA-C1B-NB	-2.94	118.79	124.93
31	FA	201	PEB	CBC-CAC-C2C	-2.94	107.61	112.62
31	mC	202	PEB	CMB-C2B-C1B	2.94	129.58	125.06
31	PA	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	Q2	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	e2	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	P9	201	PEB	OD-C4D-ND	-2.94	121.58	125.93
31	c6	201	PEB	CAB-CBB-CGB	-2.93	107.29	113.60
31	NB	1002	PEB	CHC-C1D-ND	-2.93	110.54	113.95
31	UD	203	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	g8	203	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	Q2	203	PEB	C3B-C4B-NB	2.93	114.32	110.05
31	Q4	201	PEB	C3B-C4B-NB	2.93	114.32	110.05
31	HF	202	PEB	C4B-C3B-C2B	-2.93	103.53	106.78
31	HJ	203	PEB	C4B-C3B-C2B	-2.93	103.53	106.78
31	Q7	201	PEB	C4B-C3B-C2B	-2.93	103.53	106.78
31	gE	201	PEB	C4B-C3B-C2B	-2.93	103.53	106.78
31	mD	201	PEB	OD-C4D-ND	-2.93	121.58	125.93
31	N1	203	PEB	OD-C4D-C3D	-2.93	122.81	129.46
31	G9	202	PEB	CAA-C3A-C4A	-2.93	105.14	112.67
31	l6	202	PEB	CHB-C4B-NB	-2.93	124.76	128.83
31	jB	202	PEB	CHC-C4C-C3C	-2.93	125.33	130.34
31	Z6	202	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
31	bB	202	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
31	g4	202	PEB	C3B-C4B-NB	2.93	114.32	110.05
31	O5	201	PEB	OD-C4D-C3D	-2.93	122.81	129.46
31	aH	201	PEB	OD-C4D-C3D	-2.93	122.81	129.46
31	M4	203	PEB	C1B-C2B-C3B	-2.93	103.14	106.51
31	iB	202	PEB	CHA-C1B-NB	-2.93	118.80	124.93
31	IH	201	PEB	OD-C4D-C3D	-2.93	122.81	129.46
31	JH	202	PEB	CAB-C3B-C4B	2.93	130.20	125.01
31	d2	202	PEB	CAB-CBB-CGB	-2.93	107.29	113.60
31	IA	202	PEB	C3B-C4B-NB	2.93	114.31	110.05
31	aE	201	PEB	CHC-C4C-C3C	-2.93	125.33	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	L7	202	PEB	C1C-CHB-C4B	-2.93	125.31	128.81
32	AB	302	PUB	OD-C4D-ND	-2.93	121.59	125.93
31	mB	202	PEB	C1B-C2B-C3B	-2.93	103.14	106.51
31	AB	301	PEB	CHC-C1D-ND	-2.93	110.54	113.95
33	L2	1001	CYC	CHB-C1B-C2B	2.93	132.76	126.95
31	aD	201	PEB	CAB-CBB-CGB	-2.93	107.29	113.60
31	HD	1002	PEB	CAA-C3A-C4A	-2.93	105.14	112.67
31	J5	201	PEB	OA-C1A-C2A	-2.93	123.84	126.17
31	YI	201	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	O9	203	PEB	OD-C4D-C3D	-2.93	122.82	129.46
31	NG	201	PEB	CHA-C1B-NB	-2.93	118.80	124.93
31	SI	202	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	UK	202	PEB	CMB-C2B-C1B	2.93	129.58	125.06
31	CJ	202	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	NJ	204	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	M4	202	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	RK	201	PEB	CHB-C4B-NB	-2.93	124.76	128.83
31	U4	201	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
31	gD	201	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
31	YC	201	PEB	C3B-C4B-NB	2.93	114.31	110.05
31	W7	201	PEB	OD-C4D-C3D	-2.93	122.82	129.46
31	AE	304	PEB	OA-C1A-C2A	-2.93	123.84	126.17
31	HI	202	PEB	CAB-C3B-C4B	2.93	130.19	125.01
31	LK	203	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	UA	304	PEB	CHC-C4C-C3C	-2.93	125.34	130.34
31	X9	202	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	cC	201	PEB	CHB-C4B-C3B	-2.93	118.55	125.32
31	iB	201	PEB	CMB-C2B-C1B	2.93	129.58	125.06
31	C8	203	PEB	C3B-C4B-NB	2.93	114.31	110.05
31	VC	202	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
31	bC	202	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
31	eC	203	PEB	CHB-C4B-NB	-2.93	124.76	128.83
31	LE	1002	PEB	OD-C4D-C3D	-2.93	122.82	129.46
32	x8	301	PUB	CBA-CAA-C3A	-2.93	108.54	112.98
31	a8	203	PEB	OA-C1A-C2A	-2.93	123.84	126.17
31	F4	201	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	VI	201	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
31	b2	203	PEB	C4B-C3B-C2B	-2.93	103.54	106.78
33	BE	1001	CYC	C1A-C2A-C3A	-2.93	103.54	106.78
31	c6	203	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	N6	1002	PEB	CHC-C1D-ND	-2.93	110.55	113.95
31	UI	204	PEB	C1B-C2B-C3B	-2.93	103.14	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	u8	201	PEB	C1B-C2B-C3B	-2.93	103.14	106.51
33	KB	1001	CYC	C4A-C3A-C2A	-2.93	103.14	106.51
31	SD	202	PEB	CHB-C4B-NB	-2.93	124.76	128.83
31	TC	202	PEB	CAA-C3A-C4A	2.93	120.19	112.67
31	T9	202	PEB	CAA-C3A-C4A	-2.93	105.15	112.67
31	TC	201	PEB	CBB-CAB-C3B	2.93	120.76	112.63
31	VI	201	PEB	CHC-C4C-C3C	-2.93	125.34	130.34
31	UE	203	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	P5	203	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	PG	201	PEB	CHA-C1B-NB	-2.93	118.81	124.93
31	k4	202	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	L5	203	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	hE	201	PEB	CHB-C4B-NB	-2.93	124.77	128.83
33	L2	1001	CYC	C4A-C3A-C2A	-2.93	103.15	106.51
31	iD	202	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	RC	201	PEB	CHC-C4C-C3C	-2.93	125.34	130.34
31	XG	201	PEB	CHA-C1B-NB	-2.93	118.81	124.93
31	AF	201	PEB	C3B-C4B-NB	2.93	114.31	110.05
31	J9	203	PEB	CHC-C1D-ND	-2.93	110.55	113.95
31	C8	203	PEB	OD-C4D-ND	-2.93	121.59	125.93
31	jE	202	PEB	C1B-C2B-C3B	-2.93	103.15	106.51
31	aE	201	PEB	CAB-CBB-CGB	-2.93	107.31	113.60
31	i4	201	PEB	CAB-C3B-C4B	2.93	130.19	125.01
31	lE	202	PEB	C3B-C4B-NB	2.93	114.31	110.05
31	YG	202	PEB	OD-C4D-ND	-2.93	121.60	125.93
31	QJ	201	PEB	C2A-C1A-NA	2.93	110.80	108.27
31	DK	202	PEB	CMB-C2B-C1B	2.93	129.57	125.06
31	e8	201	PEB	CMB-C2B-C1B	2.93	129.57	125.06
31	c8	203	PEB	C1B-C2B-C3B	-2.93	103.15	106.51
31	N5	204	PEB	C4B-C3B-C2B	-2.93	103.55	106.78
31	G5	202	PEB	C4B-C3B-C2B	-2.93	103.55	106.78
31	n8	202	PEB	OD-C4D-C3D	-2.93	122.83	129.46
31	GG	202	PEB	CHA-C1B-NB	-2.92	118.81	124.93
31	RG	201	PEB	CHA-C1B-NB	-2.92	118.81	124.93
31	UE	202	PEB	CHC-C1D-ND	-2.92	110.55	113.95
31	NB	1002	PEB	C1B-C2B-C3B	-2.92	103.15	106.51
31	PK	201	PEB	CHB-C4B-NB	-2.92	124.77	128.83
31	AI	201	PEB	C4B-C3B-C2B	-2.92	103.55	106.78
31	X1	203	PEB	C4B-C3B-C2B	-2.92	103.55	106.78
31	Q9	201	PEB	CHC-C4C-C3C	-2.92	125.35	130.34
31	X9	202	PEB	C3B-C4B-NB	2.92	114.30	110.05
31	QD	203	PEB	C2A-C1A-NA	2.92	110.79	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	F4	202	PEB	C2A-C1A-NA	2.92	110.79	108.27
31	eE	201	PEB	OD-C4D-ND	-2.92	121.60	125.93
32	Z9	305	PUB	OD-C4D-ND	-2.92	121.60	125.93
31	E9	202	PEB	CAA-C3A-C4A	-2.92	105.17	112.67
31	EG	201	PEB	CHA-C1B-NB	-2.92	118.82	124.93
31	L7	202	PEB	CHC-C1D-ND	-2.92	110.55	113.95
31	YI	202	PEB	C3B-C4B-NB	2.92	114.30	110.05
31	QA	204	PEB	CHB-C4B-C3B	-2.92	118.57	125.32
31	U7	202	PEB	C1B-C2B-C3B	-2.92	103.15	106.51
31	aD	202	PEB	OD-C4D-ND	-2.92	121.60	125.93
31	JA	202	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	ZI	301	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	kF	203	PEB	CHA-C4A-NA	-2.92	121.73	125.20
31	BJ	202	PEB	CBC-CAC-C2C	-2.92	107.63	112.62
31	BJ	202	PEB	C2A-C1A-NA	2.92	110.79	108.27
31	g2	201	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	D5	201	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	MF	203	PEB	CBC-CAC-C2C	2.92	117.61	112.62
31	dC	202	PEB	CAB-CBB-CGB	-2.92	107.31	113.60
31	OF	202	PEB	CHC-C1D-ND	-2.92	110.55	113.95
31	K1	202	PEB	C1B-C2B-C3B	-2.92	103.15	106.51
31	QA	202	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	P4	202	PEB	C3B-C4B-NB	2.92	114.30	110.05
31	jB	202	PEB	C3B-C4B-NB	2.92	114.30	110.05
33	KB	1001	CYC	C2A-C1A-NA	2.92	114.30	110.05
31	p8	201	PEB	OD-C4D-ND	-2.92	121.60	125.93
31	fD	201	PEB	OD-C4D-ND	-2.92	121.60	125.93
32	BH	302	PUB	OD-C4D-ND	-2.92	121.60	125.93
31	B1	202	PEB	OA-C1A-NA	2.92	128.48	124.94
31	UB	201	PEB	CMA-C2A-C1A	-2.92	106.10	112.40
31	TB	202	PEB	C2A-C1A-NA	2.92	110.79	108.27
31	QI	202	PEB	C2A-C1A-NA	2.92	110.79	108.27
32	AE	303	PUB	CHA-C4A-NA	-2.92	110.55	113.95
31	K9	202	PEB	CAA-C3A-C4A	-2.92	105.17	112.67
31	T2	201	PEB	CBB-CAB-C3B	2.92	120.75	112.63
31	i6	201	PEB	C4B-C3B-C2B	-2.92	103.55	106.78
31	bE	201	PEB	C4B-C3B-C2B	-2.92	103.55	106.78
31	Y7	503	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	eD	203	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	IA	201	PEB	CMB-C2B-C1B	2.92	129.56	125.06
31	Y2	201	PEB	CHC-C4C-C3C	-2.92	125.35	130.34
31	BK	202	PEB	OA-C1A-NA	2.92	128.48	124.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OJ	201	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	DC	1002	PEB	CHC-C1D-ND	-2.92	110.56	113.95
31	S9	201	PEB	C1B-C2B-C3B	-2.92	103.15	106.51
31	OC	203	PEB	C3B-C4B-NB	2.92	114.30	110.05
31	GA	202	PEB	C2A-C1A-NA	2.92	110.79	108.27
31	h4	202	PEB	OD-C4D-ND	-2.92	121.60	125.93
31	R7	202	PEB	C4B-C3B-C2B	-2.92	103.55	106.78
31	VC	203	PEB	CMB-C2B-C1B	2.92	129.56	125.06
31	c2	201	PEB	CHB-C4B-C3B	-2.92	118.57	125.32
31	IG	201	PEB	CHA-C1B-NB	-2.92	118.82	124.93
31	N4	202	PEB	CHA-C1B-NB	-2.92	118.82	124.93
31	KD	201	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	AH	302	PEB	OD-C4D-C3D	-2.92	122.84	129.46
31	WF	203	PEB	OA-C1A-C2A	-2.92	123.85	126.17
31	UK	202	PEB	C3B-C4B-NB	2.92	114.30	110.05
31	cB	203	PEB	OD-C4D-ND	-2.92	121.60	125.93
31	hB	202	PEB	OD-C4D-ND	-2.92	121.60	125.93
31	eC	201	PEB	OD-C4D-ND	-2.92	121.60	125.93
31	a4	202	PEB	C3B-C4B-NB	2.92	114.30	110.05
31	VE	202	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	lB	202	PEB	CHB-C4B-NB	-2.92	124.78	128.83
31	Q1	202	PEB	CBA-CAA-C3A	-2.92	106.97	113.47
31	O7	202	PEB	CHB-C4B-C3B	-2.92	118.58	125.32
31	LA	201	PEB	C1B-C2B-C3B	-2.92	103.16	106.51
31	B7	201	PEB	C1B-C2B-C3B	-2.92	103.16	106.51
31	UE	203	PEB	OA-C1A-C2A	-2.92	123.85	126.17
31	V6	201	PEB	C4B-C3B-C2B	-2.92	103.55	106.78
31	V9	202	PEB	C3B-C4B-NB	2.92	114.30	110.05
32	x8	305	PUB	C2C-C1C-NC	2.92	114.30	110.05
32	A6	302	PUB	OD-C4D-ND	-2.92	121.61	125.93
31	DB	1002	PEB	CBC-CAC-C2C	2.92	117.60	112.62
33	BE	1002	CYC	CHA-C1A-NA	-2.92	124.78	128.83
31	m6	202	PEB	C2A-C1A-NA	2.92	110.79	108.27
31	D4	201	PEB	CAA-C3A-C2A	-2.92	106.97	114.26
33	FC	1001	CYC	C4A-C3A-C2A	-2.92	103.16	106.51
31	A4	302	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	w8	302	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	QC	201	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	VJ	202	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	J4	201	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	H5	202	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	H8	201	PEB	OD-C4D-ND	-2.92	121.61	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	aC	201	PEB	C4B-C3B-C2B	-2.92	103.55	106.78
33	F6	1001	CYC	CAB-C3B-C4B	2.92	125.99	121.38
31	fC	202	PEB	OA-C1A-C2A	-2.92	123.85	126.17
31	TG	202	PEB	CHA-C1B-NB	-2.92	118.83	124.93
31	C7	203	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	G8	202	PEB	OD-C4D-C3D	-2.92	122.85	129.46
31	qF	202	PEB	CAB-CBB-CGB	-2.92	107.33	113.60
31	j2	202	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	LK	202	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	f8	202	PEB	OD-C4D-ND	-2.92	121.61	125.93
31	Q8	202	PEB	C1B-C2B-C3B	-2.92	103.16	106.51
31	NI	201	PEB	C4B-C3B-C2B	-2.92	103.56	106.78
31	I1	202	PEB	C4B-C3B-C2B	-2.92	103.56	106.78
31	A2	302	PEB	C4B-C3B-C2B	-2.92	103.56	106.78
31	V2	203	PEB	C4B-C3B-C2B	-2.92	103.56	106.78
31	vF	202	PEB	C4B-C3B-C2B	-2.92	103.56	106.78
31	G4	202	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	X5	201	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	J7	202	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	S7	201	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	M1	201	PEB	C1B-C2B-C3B	-2.92	103.16	106.51
31	c8	202	PEB	C3D-C4D-ND	2.92	112.98	107.26
31	VG	201	PEB	CHA-C1B-NB	-2.92	118.83	124.93
31	U5	201	PEB	CHA-C1B-NB	-2.92	118.83	124.93
31	A7	203	PEB	CMB-C2B-C1B	2.92	129.55	125.06
32	AB	302	PUB	OA-C1A-NA	-2.92	121.61	125.93
31	cB	201	PEB	CAB-CBB-CGB	-2.92	107.33	113.60
31	OK	202	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	N4	202	PEB	C3B-C4B-NB	2.92	114.29	110.05
31	W4	202	PEB	C4B-C3B-C2B	-2.92	103.56	106.78
33	M2	201	CYC	CHB-C1B-NB	-2.92	119.80	126.06
31	AF	201	PEB	CBC-CAC-C2C	-2.92	107.64	112.62
31	jD	201	PEB	CHA-C1B-NB	-2.92	118.83	124.93
31	jE	201	PEB	CHA-C1B-NB	-2.92	118.83	124.93
31	FA	201	PEB	C3B-C4B-NB	2.91	114.29	110.05
31	eC	202	PEB	OD-C4D-C3D	-2.91	122.86	129.46
31	LJ	203	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
31	g8	202	PEB	CHA-C1B-NB	-2.91	118.84	124.93
32	MI	303	PUB	CMA-C2A-C1A	2.91	128.25	121.39
31	YF	203	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	T6	202	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	j8	202	PEB	C2A-C1A-NA	2.91	110.78	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	II	201	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
31	cB	202	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
33	LB	1001	CYC	CAB-C3B-C4B	2.91	125.98	121.38
33	DE	1001	CYC	CHB-C1B-NB	-2.91	119.80	126.06
31	P6	202	PEB	CAB-C3B-C4B	2.91	130.16	125.01
31	VE	201	PEB	OD-C4D-ND	-2.91	121.61	125.93
31	DK	202	PEB	CHA-C4A-NA	2.91	128.67	125.20
31	PE	201	PEB	C3B-C4B-NB	2.91	114.29	110.05
31	C9	202	PEB	C3B-C4B-NB	2.91	114.29	110.05
33	BD	1002	CYC	C2A-C1A-NA	2.91	114.29	110.05
31	NK	203	PEB	OD-C4D-C3D	-2.91	122.86	129.46
31	EA	501	PEB	C1B-C2B-C3B	-2.91	103.16	106.51
31	A4	302	PEB	C1B-C2B-C3B	-2.91	103.16	106.51
31	L1	203	PEB	CMB-C2B-C1B	2.91	129.55	125.06
31	vF	201	PEB	CAA-C3A-C2A	-2.91	106.98	114.26
31	e2	202	PEB	OD-C4D-C3D	-2.91	122.86	129.46
31	g4	202	PEB	CAB-C3B-C4B	2.91	130.16	125.01
31	KF	201	PEB	CHA-C1B-NB	-2.91	118.84	124.93
31	TF	202	PEB	CHA-C1B-NB	-2.91	118.84	124.93
31	i2	202	PEB	OD-C4D-ND	-2.91	121.61	125.93
31	bC	201	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	KI	201	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
31	MF	201	PEB	C3B-C4B-NB	2.91	114.29	110.05
31	a2	201	PEB	C3B-C4B-NB	2.91	114.29	110.05
31	e8	202	PEB	CHC-C4C-C3C	-2.91	125.37	130.34
31	Y7	503	PEB	CHC-C1D-ND	-2.91	110.56	113.95
31	GF	202	PEB	CBC-CAC-C2C	-2.91	107.65	112.62
31	J5	203	PEB	CBC-CAC-C2C	-2.91	107.65	112.62
31	QD	203	PEB	C1B-C2B-C3B	-2.91	103.16	106.51
31	P1	201	PEB	CAB-CBB-CGB	-2.91	107.34	113.60
31	AK	202	PEB	OD-C4D-ND	-2.91	121.62	125.93
31	L1	202	PEB	OD-C4D-ND	-2.91	121.62	125.93
31	N9	202	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	KG	202	PEB	CHA-C1B-NB	-2.91	118.84	124.93
31	EI	201	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
31	Y7	501	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	Q6	201	PEB	OA-C1A-C2A	-2.91	123.86	126.17
31	BG	201	PEB	CHC-C4C-C3C	-2.91	125.37	130.34
31	QF	202	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	U4	203	PEB	CMC-C3C-C2C	2.91	130.43	124.94
31	AC	305	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	h8	201	PEB	C3B-C4B-NB	2.91	114.28	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	LK	201	PEB	CHA-C1B-C2B	2.91	132.39	124.90
31	A1	202	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
31	DG	202	PEB	CHC-C4C-C3C	-2.91	125.37	130.34
31	K9	202	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	eB	203	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	QG	201	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	Y4	202	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	g4	201	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	U5	202	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	dD	201	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	T9	202	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	c4	201	PEB	OD-C4D-ND	-2.91	121.62	125.93
31	W9	202	PEB	OD-C4D-ND	-2.91	121.62	125.93
32	ZI	302	PUB	CMA-C2A-C1A	2.91	128.24	121.39
31	R5	201	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	fD	201	PEB	C1C-CHB-C4B	2.91	132.28	128.81
31	eB	201	PEB	CHB-C4B-C3B	-2.91	118.60	125.32
31	T8	202	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	b8	202	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	gB	202	PEB	CHA-C1B-NB	-2.91	118.85	124.93
31	OD	203	PEB	OD-C4D-ND	-2.91	121.62	125.93
31	PE	202	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	QE	203	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	XI	201	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
31	E9	202	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	kF	201	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	j4	201	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	cF	203	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	iH	202	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	M4	203	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	I9	202	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	OF	202	PEB	CHC-C4C-C3C	-2.91	125.38	130.34
31	VH	201	PEB	CHC-C1D-ND	2.91	117.32	113.95
31	S1	202	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
31	q8	203	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	U9	202	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	I5	201	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	fB	202	PEB	OD-C4D-ND	-2.91	121.62	125.93
31	a8	203	PEB	CHA-C1B-C2B	2.91	132.38	124.90
33	N6	1001	CYC	C4A-C3A-C2A	-2.91	103.17	106.51
31	hB	202	PEB	CMB-C2B-C1B	2.91	129.54	125.06
31	H7	201	PEB	CHA-C1B-NB	-2.91	118.85	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	CE	1001	CYC	C1B-NB-C4B	-2.91	106.97	110.67
31	T6	203	PEB	CHC-C1D-ND	-2.91	110.57	113.95
31	G7	203	PEB	CHC-C1D-ND	-2.91	110.57	113.95
31	jH	201	PEB	C4B-C3B-C2B	-2.91	103.56	106.78
33	CE	1001	CYC	C1A-C2A-C3A	-2.91	103.56	106.78
31	EK	201	PEB	CMD-C2D-C3D	2.91	134.16	130.06
31	cF	203	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	TA	202	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	O8	202	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	B5	203	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	BK	201	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	fC	203	PEB	OD-C4D-C3D	-2.91	122.87	129.46
31	YC	201	PEB	OD-C4D-ND	-2.91	121.62	125.93
32	A6	302	PUB	CHC-C1D-ND	-2.91	110.05	113.72
31	XJ	201	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	aA	202	PEB	OA-C1A-C2A	-2.91	123.86	126.17
31	kD	201	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
33	LC	1001	CYC	C4A-C3A-C2A	-2.91	103.17	106.51
31	a6	203	PEB	CAB-CBB-CGB	2.91	119.86	113.60
31	D6	1002	PEB	CAC-CBC-CGC	-2.91	105.61	113.76
31	AD	301	PEB	OD-C4D-ND	-2.91	121.62	125.93
31	I9	202	PEB	C2A-C1A-NA	2.91	110.78	108.27
31	Q8	201	PEB	C2A-C1A-NA	-2.91	105.77	108.27
32	YK	304	PUB	CHA-C4A-NA	-2.91	110.57	113.95
33	LC	1001	CYC	CHB-C1B-C2B	2.91	132.71	126.95
31	CA	201	PEB	C3D-C4D-ND	2.91	112.96	107.26
31	WG	202	PEB	C4B-C3B-C2B	-2.91	103.57	106.78
31	AK	202	PEB	C4B-C3B-C2B	-2.91	103.57	106.78
31	uF	203	PEB	OD-C4D-ND	-2.91	121.63	125.93
31	UD	202	PEB	C1B-C2B-C3B	-2.91	103.17	106.51
31	O4	202	PEB	C3B-C4B-NB	2.91	114.28	110.05
31	c8	202	PEB	C3B-C4B-NB	2.91	114.28	110.05
33	F6	1001	CYC	CAB-C3B-C2B	2.91	132.50	127.53
31	P8	201	PEB	C1C-CHB-C4B	2.90	132.28	128.81
31	lH	203	PEB	CHA-C1B-NB	-2.90	118.86	124.93
31	C9	201	PEB	OD-C4D-ND	-2.90	121.63	125.93
31	D8	202	PEB	CMB-C2B-C1B	2.90	129.54	125.06
31	KH	202	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	GK	202	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	IJ	202	PEB	CAB-C3B-C2B	-2.90	122.47	127.88
31	RK	203	PEB	OD-C4D-C3D	-2.90	122.88	129.46
31	H7	201	PEB	CAB-C3B-C4B	2.90	130.15	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AG	201	PEB	CHA-C1B-NB	-2.90	118.86	124.93
31	gF	202	PEB	CHA-C1B-NB	-2.90	118.86	124.93
31	NA	201	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	YD	201	PEB	C1B-C2B-C3B	-2.90	103.17	106.51
31	IH	203	PEB	C1B-C2B-C3B	-2.90	103.17	106.51
31	S2	202	PEB	C2A-C1A-NA	2.90	110.78	108.27
31	b2	201	PEB	C2A-C1A-NA	2.90	110.78	108.27
31	uF	202	PEB	C2A-C1A-NA	2.90	110.78	108.27
33	V3	1001	CYC	CBA-CAA-C2A	-2.90	104.56	112.63
32	AB	302	PUB	CHC-C1D-ND	-2.90	110.05	113.72
31	HG	202	PEB	OD-C4D-ND	-2.90	121.63	125.93
31	A6	305	PEB	OD-C4D-ND	-2.90	121.63	125.93
31	SI	201	PEB	CAA-C3A-C4A	-2.90	105.22	112.67
31	A9	202	PEB	OD-C4D-C3D	-2.90	122.88	129.46
31	U9	201	PEB	OD-C4D-C3D	-2.90	122.88	129.46
31	f4	203	PEB	C3B-C4B-NB	2.90	114.27	110.05
31	O8	202	PEB	CHC-C4C-C3C	-2.90	125.39	130.34
31	mE	201	PEB	OD-C4D-ND	-2.90	121.63	125.93
32	xF	306	PUB	OD-C4D-ND	-2.90	121.63	125.93
31	DB	1002	PEB	CAC-CBC-CGC	-2.90	105.62	113.76
31	AA	501	PEB	C2A-C1A-NA	2.90	110.78	108.27
31	aF	203	PEB	C2A-C1A-NA	2.90	110.78	108.27
31	UH	201	PEB	CHA-C1B-NB	-2.90	118.86	124.93
31	kE	202	PEB	CAB-C3B-C4B	2.90	130.14	125.01
31	QD	203	PEB	CMB-C2B-C1B	2.90	129.53	125.06
31	e2	201	PEB	CBA-CAA-C3A	-2.90	107.01	113.47
31	b6	202	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	kC	203	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	xF	303	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	UD	201	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	hE	202	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	L1	201	PEB	CHA-C1B-C2B	2.90	132.36	124.90
31	G4	201	PEB	C3B-C4B-NB	2.90	114.27	110.05
32	AD	303	PUB	CHA-C4A-NA	-2.90	110.58	113.95
32	x8	301	PUB	CHA-C4A-NA	-2.90	110.58	113.95
31	G4	202	PEB	OD-C4D-ND	-2.90	121.63	125.93
31	c4	202	PEB	C3B-C4B-NB	2.90	114.27	110.05
31	YA	201	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	OG	203	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	R9	202	PEB	OD-C4D-C3D	-2.90	122.89	129.46
31	PD	202	PEB	CAB-C3B-C4B	2.90	130.14	125.01
31	cC	201	PEB	CHC-C4C-C3C	-2.90	125.39	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	a8	201	PEB	C3B-C4B-NB	2.90	114.27	110.05
31	jH	201	PEB	C3B-C4B-NB	2.90	114.27	110.05
31	SD	201	PEB	OA-C1A-C2A	-2.90	123.87	126.17
31	D9	203	PEB	OA-C1A-C2A	-2.90	123.87	126.17
31	J2	1002	PEB	CAB-CBB-CGB	-2.90	107.36	113.60
31	Y7	503	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	RI	201	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	FK	202	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	e6	201	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	bF	201	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	M7	202	PEB	CMB-C2B-C1B	2.90	129.53	125.06
31	JK	201	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	K9	202	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	V9	202	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	O4	201	PEB	OD-C4D-ND	-2.90	121.63	125.93
31	eD	201	PEB	OD-C4D-ND	-2.90	121.63	125.93
31	RK	201	PEB	CHA-C1B-NB	-2.90	118.87	124.93
31	H9	202	PEB	C3B-C4B-NB	2.90	114.27	110.05
33	HC	1001	CYC	C2A-C1A-NA	2.90	114.27	110.05
31	dE	203	PEB	CHC-C1D-ND	-2.90	110.58	113.95
31	EH	203	PEB	CBC-CAC-C2C	-2.90	107.67	112.62
31	M7	203	PEB	CMB-C2B-C1B	2.90	129.53	125.06
31	Y8	201	PEB	OD-C4D-ND	-2.90	121.64	125.93
31	k8	201	PEB	OD-C4D-C3D	-2.90	122.89	129.46
31	U4	203	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	m6	202	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	x8	304	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	P2	202	PEB	CHC-C4C-C3C	-2.90	125.39	130.34
31	J7	201	PEB	CHC-C4C-C3C	-2.90	125.39	130.34
31	MF	202	PEB	C4B-C3B-C2B	-2.90	103.57	106.78
31	U1	202	PEB	C3B-C4B-NB	2.90	114.27	110.05
31	T9	202	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	YI	203	PEB	CHC-C4C-C3C	-2.90	125.39	130.34
31	WE	201	PEB	CBA-CAA-C3A	-2.90	107.01	113.47
31	dB	202	PEB	CHC-C4C-C3C	-2.90	125.39	130.34
31	KF	203	PEB	CHB-C4B-NB	-2.90	124.81	128.83
31	cC	202	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	TH	202	PEB	CAB-C3B-C4B	2.90	130.13	125.01
31	Z4	201	PEB	C3B-C4B-NB	2.90	114.26	110.05
31	B5	202	PEB	CHA-C1B-NB	-2.90	118.87	124.93
31	N9	202	PEB	OD-C4D-C3D	-2.90	122.89	129.46
31	iB	203	PEB	OD-C4D-C3D	-2.90	122.89	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	V2	203	PEB	CMB-C2B-C1B	2.90	129.53	125.06
31	S8	203	PEB	CHA-C4A-NA	2.90	128.65	125.20
31	VA	202	PEB	CBC-CAC-C2C	-2.90	107.68	112.62
31	j6	202	PEB	CHC-C4C-C3C	-2.90	125.40	130.34
32	AH	303	PUB	OD-C4D-ND	-2.90	121.64	125.93
31	ZF	201	PEB	CBC-CAC-C2C	-2.90	107.68	112.62
31	eC	201	PEB	CBA-CAA-C3A	-2.90	107.02	113.47
31	j2	201	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	jF	202	PEB	C4B-C3B-C2B	-2.90	103.58	106.78
31	FH	201	PEB	CHA-C1B-C2B	2.90	132.35	124.90
31	SG	202	PEB	CHA-C1B-NB	-2.90	118.88	124.93
31	FG	202	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
31	i6	201	PEB	C1B-C2B-C3B	-2.90	103.18	106.51
33	C6	1001	CYC	C4A-C3A-C2A	-2.90	103.18	106.51
31	P9	202	PEB	OD-C4D-C3D	-2.90	122.90	129.46
31	g8	202	PEB	C1C-CHB-C4B	2.90	132.27	128.81
31	aF	201	PEB	C3B-C4B-NB	2.90	114.26	110.05
31	j2	201	PEB	CHB-C4B-C3B	-2.90	118.63	125.32
31	HA	202	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	J5	203	PEB	C2A-C1A-NA	2.90	110.77	108.27
31	PD	201	PEB	OD-C4D-ND	-2.90	121.64	125.93
31	m8	201	PEB	OD-C4D-ND	-2.90	121.64	125.93
31	i4	201	PEB	CHA-C1B-NB	-2.90	118.88	124.93
31	W5	201	PEB	C1B-C2B-C3B	-2.89	103.18	106.51
31	aC	201	PEB	C3B-C4B-NB	2.89	114.26	110.05
31	Q8	202	PEB	C4B-C3B-C2B	-2.89	103.58	106.78
31	fF	202	PEB	OD-C4D-ND	-2.89	121.64	125.93
31	GA	203	PEB	OD-C4D-C3D	-2.89	122.90	129.46
31	PD	201	PEB	C3B-C4B-NB	2.89	114.26	110.05
31	jC	201	PEB	CHB-C4B-C3B	-2.89	118.64	125.32
31	mF	201	PEB	OD-C4D-ND	-2.89	121.64	125.93
31	KH	201	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	KK	202	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	H1	201	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	S9	201	PEB	OD-C4D-C3D	-2.89	122.91	129.46
31	I5	202	PEB	CAB-C3B-C2B	-2.89	122.49	127.88
31	bD	202	PEB	C4B-C3B-C2B	-2.89	103.58	106.78
31	ZA	202	PEB	CHA-C1B-NB	-2.89	118.88	124.93
31	TJ	203	PEB	CHA-C1B-NB	-2.89	118.88	124.93
31	HK	201	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	SH	203	PEB	CMB-C2B-C1B	2.89	129.52	125.06
31	U1	202	PEB	CMB-C2B-C1B	2.89	129.52	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	m2	202	PEB	CMB-C2B-C1B	2.89	129.52	125.06
31	Y9	203	PEB	CMB-C2B-C1B	2.89	129.52	125.06
31	JK	203	PEB	CHC-C4C-C3C	-2.89	125.40	130.34
31	N7	201	PEB	CHC-C4C-C3C	-2.89	125.40	130.34
31	BH	301	PEB	C3B-C4B-NB	2.89	114.26	110.05
33	N2	1001	CYC	C1B-C2B-C3B	-2.89	104.85	107.87
31	WH	202	PEB	CBA-CAA-C3A	-2.89	107.03	113.47
31	TI	201	PEB	C4B-C3B-C2B	-2.89	103.58	106.78
31	F1	202	PEB	C4B-C3B-C2B	-2.89	103.58	106.78
31	CA	202	PEB	C2A-C1A-NA	2.89	110.77	108.27
31	f6	202	PEB	OD-C4D-ND	-2.89	121.65	125.93
31	LD	1002	PEB	OD-C4D-C3D	-2.89	122.91	129.46
31	OF	202	PEB	OD-C4D-C3D	-2.89	122.91	129.46
31	i6	201	PEB	CMB-C2B-C1B	2.89	129.52	125.06
31	hF	202	PEB	CMB-C2B-C1B	2.89	129.52	125.06
31	QA	203	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	AB	305	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	WH	202	PEB	C4B-C3B-C2B	-2.89	103.58	106.78
33	LD	1001	CYC	C1A-C2A-C3A	-2.89	103.58	106.78
31	c2	201	PEB	CHC-C4C-C3C	-2.89	125.41	130.34
31	L9	203	PEB	CHC-C4C-C3C	-2.89	125.41	130.34
31	f2	203	PEB	OD-C4D-C3D	-2.89	122.91	129.46
31	nF	201	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	JE	201	PEB	C1C-CHB-C4B	2.89	132.26	128.81
31	N6	1002	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	B7	202	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	EH	202	PEB	OD-C4D-ND	-2.89	121.65	125.93
31	n8	201	PEB	OD-C4D-ND	-2.89	121.65	125.93
31	gA	203	PEB	OD-C4D-ND	-2.89	121.65	125.93
31	FH	201	PEB	CAB-CBB-CGB	-2.89	107.38	113.60
31	hE	202	PEB	CMB-C2B-C1B	2.89	129.51	125.06
31	L5	203	PEB	C4B-C3B-C2B	-2.89	103.58	106.78
31	g8	203	PEB	C4B-C3B-C2B	-2.89	103.58	106.78
31	dA	201	PEB	CHC-C1D-ND	-2.89	110.59	113.95
31	SI	201	PEB	CBC-CAC-C2C	2.89	117.55	112.62
31	KD	201	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	OH	201	PEB	OD-C4D-ND	-2.89	121.65	125.93
31	A1	202	PEB	OD-C4D-ND	-2.89	121.65	125.93
32	xF	301	PUB	OA-C1A-NA	-2.89	121.65	125.93
31	cA	401	PEB	CHC-C4C-C3C	-2.89	125.41	130.34
31	V5	201	PEB	C2A-C1A-NA	2.89	110.76	108.27
31	RA	201	PEB	OD-C4D-C3D	-2.89	122.91	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	V9	202	PEB	OD-C4D-C3D	-2.89	122.91	129.46
31	D6	1002	PEB	CBC-CAC-C2C	2.89	117.55	112.62
31	eB	202	PEB	CHA-C1B-NB	-2.89	118.89	124.93
31	QH	203	PEB	OD-C4D-ND	-2.89	121.65	125.93
31	I4	203	PEB	CMB-C2B-C1B	2.89	129.51	125.06
31	v8	201	PEB	CAA-C3A-C2A	-2.89	107.04	114.26
31	W8	203	PEB	OA-C1A-C2A	-2.89	123.88	126.17
31	UG	202	PEB	CHA-C1B-NB	-2.89	118.89	124.93
31	ND	201	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	K9	202	PEB	OD-C4D-C3D	-2.89	122.92	129.46
31	M9	302	PEB	CHC-C4C-C3C	-2.89	125.41	130.34
31	PE	202	PEB	CHB-C4B-C3B	-2.89	118.65	125.32
31	WD	203	PEB	CHB-C4B-NB	-2.89	124.82	128.83
31	s8	201	PEB	C2A-C1A-NA	2.89	110.76	108.27
31	fB	201	PEB	C2A-C1A-NA	2.89	110.76	108.27
31	hE	203	PEB	C2A-C1A-NA	2.89	110.76	108.27
31	UD	203	PEB	CMB-C2B-C1B	2.89	129.51	125.06
33	x3	1001	CYC	CBA-CAA-C2A	-2.89	104.60	112.63
31	ZA	201	PEB	C4B-C3B-C2B	-2.89	103.59	106.78
31	YG	201	PEB	CAB-CBB-CGB	-2.89	107.39	113.60
31	UA	302	PEB	CHB-C4B-NB	-2.89	124.82	128.83
31	gH	201	PEB	CHA-C1B-NB	-2.89	118.89	124.93
31	f8	202	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	BI	203	PEB	OD-C4D-ND	-2.89	121.65	125.93
32	A4	304	PUB	OA-C1A-NA	-2.89	121.65	125.93
31	FA	201	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	EJ	201	PEB	CHA-C1B-NB	-2.89	118.89	124.93
31	Y5	201	PEB	OD-C4D-C3D	-2.89	122.92	129.46
31	I9	202	PEB	OD-C4D-C3D	-2.89	122.92	129.46
31	CH	201	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	kH	201	PEB	CMB-C2B-C1B	2.89	129.51	125.06
31	u8	201	PEB	CBA-CAA-C3A	2.89	119.89	113.47
31	SC	202	PEB	C2A-C1A-NA	2.89	110.76	108.27
31	l4	202	PEB	C2A-C1A-NA	2.89	110.76	108.27
31	HG	202	PEB	CHA-C1B-NB	-2.89	118.90	124.93
31	WI	203	PEB	CHA-C1B-NB	-2.89	118.90	124.93
31	E5	201	PEB	CHA-C1B-NB	-2.89	118.90	124.93
31	UA	303	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	h6	202	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	X7	202	PEB	CHA-C1B-C2B	2.89	132.32	124.90
31	WE	202	PEB	C4B-C3B-C2B	-2.89	103.59	106.78
31	D8	202	PEB	C4B-C3B-C2B	-2.89	103.59	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fF	201	PEB	C4B-C3B-C2B	-2.89	103.59	106.78
31	WI	201	PEB	OD-C4D-C3D	-2.89	122.92	129.46
31	gC	201	PEB	OD-C4D-C3D	-2.89	122.92	129.46
33	DB	1001	CYC	CHA-C1A-NA	-2.89	124.82	128.83
31	NE	201	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	H9	203	PEB	C1B-C2B-C3B	-2.89	103.19	106.51
31	E1	201	PEB	CMD-C2D-C3D	2.89	134.13	130.06
31	WK	201	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	Y8	202	PEB	C3B-C4B-NB	2.89	114.25	110.05
31	FI	202	PEB	OD-C4D-ND	-2.89	121.66	125.93
31	b6	202	PEB	OD-C4D-ND	-2.89	121.66	125.93
31	fE	201	PEB	OD-C4D-ND	-2.89	121.66	125.93
31	D2	1002	PEB	CHC-C1D-ND	-2.88	110.60	113.95
31	G1	202	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	C9	202	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	X1	203	PEB	OD-C4D-C3D	-2.88	122.92	129.46
31	W8	201	PEB	OD-C4D-C3D	-2.88	122.92	129.46
31	ZE	201	PEB	C1B-C2B-C3B	-2.88	103.20	106.51
31	A2	302	PEB	C3B-C4B-NB	2.88	114.24	110.05
31	fB	201	PEB	C4B-C3B-C2B	-2.88	103.59	106.78
31	G9	202	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	mB	202	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	AE	301	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	a6	202	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	r8	202	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	ZF	202	PEB	CHB-C4B-C3B	-2.88	118.66	125.32
31	M5	201	PEB	CHB-C4B-C3B	-2.88	118.66	125.32
31	X5	202	PEB	OD-C4D-C3D	-2.88	122.93	129.46
31	g6	202	PEB	CHA-C1B-NB	-2.88	118.90	124.93
31	P8	201	PEB	C3B-C4B-NB	2.88	114.24	110.05
31	UA	302	PEB	C3D-C4D-ND	2.88	112.92	107.26
31	d6	202	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	D9	201	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	BJ	202	PEB	C4B-C3B-C2B	-2.88	103.59	106.78
31	G7	203	PEB	C1B-C2B-C3B	-2.88	103.20	106.51
31	EH	201	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	KJ	202	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	FB	1002	PEB	CMB-C2B-C1B	2.88	129.50	125.06
31	i6	203	PEB	OD-C4D-C3D	-2.88	122.93	129.46
31	VD	202	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	cB	202	PEB	CHC-C1D-ND	-2.88	110.60	113.95
33	KC	201	CYC	CHB-C1B-NB	-2.88	119.87	126.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Q4	204	PEB	C4B-C3B-C2B	-2.88	103.59	106.78
31	c8	202	PEB	CMB-C2B-C1B	2.88	129.50	125.06
31	GF	203	PEB	C3B-C4B-NB	2.88	114.24	110.05
31	lF	201	PEB	OA-C1A-NA	2.88	128.43	124.94
31	lC	201	PEB	CHA-C1B-NB	-2.88	118.91	124.93
31	S2	202	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	H7	202	PEB	OD-C4D-ND	-2.88	121.66	125.93
31	kC	201	PEB	OD-C4D-C3D	-2.88	122.93	129.46
31	RA	202	PEB	CHC-C4C-C3C	-2.88	125.42	130.34
31	nF	201	PEB	CAB-CBB-CGB	-2.88	107.40	113.60
31	AB	301	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	FI	202	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	f6	201	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	X8	203	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	QF	201	PEB	C2A-C1A-NA	-2.88	105.79	108.27
31	A8	201	PEB	C1C-CHB-C4B	2.88	132.25	128.81
31	HH	201	PEB	CHA-C1B-NB	-2.88	118.91	124.93
31	l2	202	PEB	CHA-C1B-NB	-2.88	118.91	124.93
31	iF	202	PEB	CMB-C2B-C1B	2.88	129.50	125.06
31	PC	202	PEB	CAC-CBC-CGC	-2.88	105.68	113.76
31	UK	201	PEB	C4B-C3B-C2B	-2.88	103.59	106.78
31	b2	202	PEB	C4B-C3B-C2B	-2.88	103.59	106.78
31	f8	202	PEB	C4B-C3B-C2B	-2.88	103.59	106.78
33	FD	202	CYC	C1A-C2A-C3A	-2.88	103.59	106.78
31	CF	201	PEB	C3B-C4B-NB	2.88	114.24	110.05
31	Y2	201	PEB	C3B-C4B-NB	2.88	114.24	110.05
31	l8	201	PEB	CAB-CBB-CGB	-2.88	107.40	113.60
31	QJ	201	PEB	CHB-C4B-C3B	-2.88	118.67	125.32
31	h6	202	PEB	CMB-C2B-C1B	2.88	129.50	125.06
31	vF	202	PEB	C2A-C1A-NA	2.88	110.76	108.27
31	PI	201	PEB	C4B-C3B-C2B	-2.88	103.59	106.78
31	iD	201	PEB	CAB-CBB-CGB	-2.88	107.41	113.60
31	C9	202	PEB	OD-C4D-C3D	-2.88	122.94	129.46
31	R1	201	PEB	CHA-C1B-NB	-2.88	118.91	124.93
31	SD	202	PEB	C4B-C3B-C2B	-2.88	103.60	106.78
31	QE	203	PEB	CMB-C2B-C1B	2.88	129.50	125.06
31	n8	201	PEB	CAB-CBB-CGB	-2.88	107.41	113.60
33	NB	1001	CYC	C4A-C3A-C2A	-2.88	103.20	106.51
31	OB	202	PEB	OD-C4D-ND	-2.88	121.67	125.93
31	cA	403	PEB	C3B-C4B-NB	2.88	114.24	110.05
31	KA	303	PEB	CMC-C3C-C2C	2.88	130.37	124.94
31	AC	305	PEB	CHA-C1B-NB	-2.88	118.91	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	UA	304	PEB	C4B-C3B-C2B	-2.88	103.60	106.78
31	RE	202	PEB	C4B-C3B-C2B	-2.88	103.60	106.78
31	fH	202	PEB	C4B-C3B-C2B	-2.88	103.60	106.78
31	B5	202	PEB	CBC-CAC-C2C	-2.88	107.71	112.62
31	S5	202	PEB	CMB-C2B-C1B	2.88	129.50	125.06
31	b6	202	PEB	CMB-C2B-C1B	2.88	129.50	125.06
33	NC	1001	CYC	C1B-C2B-C3B	-2.88	104.87	107.87
31	XK	203	PEB	OD-C4D-C3D	-2.88	122.94	129.46
31	d6	202	PEB	CHC-C4C-C3C	-2.88	125.43	130.34
31	KD	201	PEB	C1B-C2B-C3B	-2.88	103.20	106.51
31	K7	201	PEB	C1B-C2B-C3B	-2.88	103.20	106.51
31	f6	201	PEB	OD-C4D-ND	-2.88	121.67	125.93
31	dJ	401	PEB	C2A-C1A-NA	2.88	110.75	108.27
31	C7	201	PEB	OD-C4D-C3D	-2.88	122.94	129.46
31	l2	201	PEB	C4B-C3B-C2B	-2.88	103.60	106.78
31	UH	202	PEB	CHC-C1D-ND	-2.88	110.61	113.95
31	G9	202	PEB	OD-C4D-C3D	-2.88	122.94	129.46
31	eD	203	PEB	CHC-C4C-C3C	-2.88	125.43	130.34
31	eF	202	PEB	CHC-C4C-C3C	-2.88	125.43	130.34
31	PD	202	PEB	CHB-C4B-C3B	-2.88	118.68	125.32
31	W7	201	PEB	C3D-C4D-ND	2.88	112.90	107.26
31	V5	202	PEB	OD-C4D-ND	-2.88	121.67	125.93
31	mB	202	PEB	CAB-C3B-C4B	2.88	130.10	125.01
31	w8	302	PEB	CHC-C4C-C3C	-2.88	125.43	130.34
31	Z9	301	PEB	CBC-CAC-C2C	-2.87	107.71	112.62
31	WC	203	PEB	C4B-C3B-C2B	-2.87	103.60	106.78
31	V1	202	PEB	CHC-C1D-ND	-2.87	110.61	113.95
31	TB	202	PEB	OD-C4D-ND	-2.87	121.67	125.93
31	Y4	203	PEB	C3B-C4B-NB	2.87	114.23	110.05
31	A6	301	PEB	C3B-C4B-NB	2.87	114.23	110.05
31	aH	201	PEB	CMB-C2B-C1B	2.87	129.49	125.06
33	DC	1001	CYC	CHA-C1A-NA	-2.87	124.84	128.83
31	S5	202	PEB	C1B-C2B-C3B	-2.87	103.21	106.51
31	i8	201	PEB	C1B-C2B-C3B	-2.87	103.21	106.51
33	LB	1001	CYC	C4A-C3A-C2A	-2.87	103.21	106.51
31	K8	203	PEB	OA-C1A-C2A	-2.87	123.89	126.17
33	R3	1001	CYC	OC-C1C-C2C	-2.87	123.89	126.17
31	d6	202	PEB	OD-C4D-C3D	-2.87	122.95	129.46
31	aF	203	PEB	OD-C4D-C3D	-2.87	122.95	129.46
31	A9	202	PEB	C2A-C1A-NA	2.87	110.75	108.27
31	hH	201	PEB	OD-C4D-C3D	-2.87	122.95	129.46
31	kB	201	PEB	C1B-C2B-C3B	-2.87	103.21	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	L6	1001	CYC	C4A-C3A-C2A	-2.87	103.21	106.51
31	MA	202	PEB	C4B-C3B-C2B	-2.87	103.60	106.78
31	d6	202	PEB	C4B-C3B-C2B	-2.87	103.60	106.78
32	M9	305	PUB	OD-C4D-ND	-2.87	121.67	125.93
31	f8	202	PEB	CMB-C2B-C1B	2.87	129.49	125.06
31	rF	201	PEB	OA-C1A-NA	2.87	128.42	124.94
31	FK	201	PEB	CHA-C1B-NB	-2.87	118.92	124.93
31	UF	202	PEB	OA-C1A-C2A	-2.87	123.89	126.17
31	aF	203	PEB	OA-C1A-C2A	-2.87	123.89	126.17
31	aF	203	PEB	CHA-C1B-C2B	2.87	132.29	124.90
31	L7	201	PEB	CHA-C1B-NB	-2.87	118.92	124.93
31	n8	201	PEB	C3B-C4B-NB	2.87	114.23	110.05
31	kH	202	PEB	C3B-C4B-NB	2.87	114.23	110.05
31	G8	201	PEB	CMB-C2B-C1B	2.87	129.49	125.06
31	a4	202	PEB	CAA-C3A-C2A	-2.87	107.08	114.26
31	S7	201	PEB	C4B-C3B-C2B	-2.87	103.60	106.78
31	F9	203	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	A6	305	PEB	C3B-C4B-NB	2.87	114.23	110.05
31	T2	201	PEB	OA-C1A-C2A	-2.87	123.89	126.17
31	Q5	201	PEB	CHB-C4B-C3B	-2.87	118.69	125.32
31	B1	201	PEB	CHC-C1D-ND	-2.87	110.61	113.95
31	H5	203	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	X9	202	PEB	OD-C4D-C3D	-2.87	122.95	129.46
31	YD	202	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	b6	202	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	YJ	201	PEB	OD-C4D-C3D	-2.87	122.96	129.46
31	VC	203	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	WD	201	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	T1	203	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	F7	201	PEB	CMB-C2B-C1B	2.87	129.48	125.06
31	UI	204	PEB	CBC-CAC-C2C	-2.87	107.72	112.62
31	IA	203	PEB	CAA-C3A-C4A	-2.87	105.30	112.67
31	JJ	201	PEB	OA-C1A-C2A	-2.87	123.89	126.17
31	AJ	302	PEB	CHC-C4C-C3C	-2.87	125.44	130.34
31	KE	201	PEB	OD-C4D-C3D	-2.87	122.96	129.46
31	M7	203	PEB	OD-C4D-C3D	-2.87	122.96	129.46
31	HA	202	PEB	C1B-C2B-C3B	-2.87	103.21	106.51
31	OI	201	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	N5	204	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	i8	202	PEB	CHB-C4B-C3B	-2.87	118.69	125.32
31	SE	202	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	M8	202	PEB	C4B-C3B-C2B	-2.87	103.61	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SC	202	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	CH	202	PEB	CMB-C2B-C1B	2.87	129.48	125.06
31	PJ	201	PEB	C1B-C2B-C3B	-2.87	103.21	106.51
31	GF	201	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	SH	203	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	G7	201	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	M9	303	PEB	C2A-C1A-NA	2.87	110.75	108.27
31	V4	201	PEB	CHC-C1D-ND	2.87	117.28	113.95
31	E7	202	PEB	CHC-C1D-ND	-2.87	110.62	113.95
31	DF	202	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	g6	201	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	O7	201	PEB	OD-C4D-C3D	-2.87	122.96	129.46
31	q8	203	PEB	CAB-C3B-C4B	2.87	130.08	125.01
31	HA	203	PEB	CHB-C4B-C3B	-2.87	118.69	125.32
31	RE	202	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	WE	203	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	V4	201	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	G8	201	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	hA	301	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	Z8	202	PEB	CHC-C1D-ND	2.87	117.28	113.95
31	h2	201	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	iF	203	PEB	CHC-C4C-C3C	-2.87	125.45	130.34
31	bF	202	PEB	C1B-C2B-C3B	-2.87	103.22	106.51
31	A7	203	PEB	CHA-C1B-NB	-2.87	118.94	124.93
31	WD	202	PEB	CBA-CAA-C3A	-2.87	107.08	113.47
31	C4	202	PEB	OD-C4D-ND	-2.87	121.68	125.93
31	GI	201	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
31	a2	202	PEB	C4B-C3B-C2B	-2.87	103.61	106.78
33	FD	201	CYC	C1A-C2A-C3A	-2.87	103.61	106.78
31	DH	202	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	T8	202	PEB	CHA-C1B-NB	-2.87	118.94	124.93
31	R9	202	PEB	C2A-C1A-NA	2.87	110.74	108.27
31	fF	202	PEB	CMB-C2B-C1B	2.87	129.48	125.06
31	fB	201	PEB	OD-C4D-ND	-2.87	121.68	125.93
32	x8	301	PUB	OA-C1A-NA	-2.87	121.68	125.93
31	vF	202	PEB	C1B-C2B-C3B	-2.87	103.22	106.51
31	D9	201	PEB	CHB-C4B-C3B	-2.87	118.70	125.32
31	U4	203	PEB	CHA-C1B-NB	-2.87	118.94	124.93
31	d4	203	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	S9	202	PEB	C3B-C4B-NB	2.87	114.22	110.05
31	WC	201	PEB	OD-C4D-C3D	-2.87	122.97	129.46
31	fA	301	PEB	OD-C4D-C3D	-2.87	122.97	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	hA	301	PEB	OD-C4D-C3D	-2.87	122.97	129.46
31	c8	201	PEB	CAB-C3B-C4B	2.87	130.08	125.01
31	V1	201	PEB	OD-C4D-C3D	-2.87	122.97	129.46
31	k6	201	PEB	C1B-C2B-C3B	-2.87	103.22	106.51
31	QC	201	PEB	C2A-C1A-NA	2.87	110.74	108.27
31	w8	301	PEB	OA-C1A-C2A	-2.87	123.89	126.17
31	B4	301	PEB	C4B-C3B-C2B	-2.86	103.61	106.78
31	X4	201	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	h4	201	PEB	OD-C4D-C3D	-2.86	122.97	129.46
31	PD	202	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	HI	203	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	WK	202	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	rF	202	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	hH	202	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	wF	302	PEB	CHC-C4C-C3C	-2.86	125.45	130.34
31	U1	201	PEB	C4B-C3B-C2B	-2.86	103.61	106.78
31	f6	201	PEB	C4B-C3B-C2B	-2.86	103.61	106.78
31	j6	201	PEB	OA-C1A-C2A	-2.86	123.90	126.17
31	BJ	202	PEB	CHA-C1B-NB	-2.86	118.94	124.93
31	Z9	301	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	Q8	203	PEB	CAA-C3A-C2A	2.86	121.41	114.26
31	hF	201	PEB	C3B-C4B-NB	2.86	114.21	110.05
31	CJ	202	PEB	CHA-C1B-NB	-2.86	118.94	124.93
31	BI	202	PEB	CHA-C4A-NA	-2.86	121.80	125.20
31	fE	201	PEB	C1C-CHB-C4B	2.86	132.23	128.81
31	jC	201	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	VK	201	PEB	OD-C4D-C3D	-2.86	122.97	129.46
33	P3	1001	CYC	OC-C1C-C2C	-2.86	123.90	126.17
31	LJ	201	PEB	CMB-C2B-C1B	2.86	129.47	125.06
31	UH	201	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	UC	202	PEB	CAB-CBB-CGB	-2.86	107.44	113.60
31	F9	202	PEB	CHB-C4B-NB	-2.86	124.86	128.83
31	JB	1002	PEB	OD-C4D-C3D	-2.86	122.98	129.46
31	kD	201	PEB	OD-C4D-C3D	-2.86	122.98	129.46
31	HJ	202	PEB	CHC-C1D-ND	-2.86	110.62	113.95
31	UC	203	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	MH	201	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	AJ	304	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	P9	202	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	TK	203	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	HG	201	PEB	CBC-CAC-C2C	-2.86	107.74	112.62
31	gF	202	PEB	C4B-C3B-C2B	-2.86	103.62	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	EH	201	PEB	CMB-C2B-C1B	2.86	129.47	125.06
31	P6	203	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	T6	202	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	h8	202	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	eD	201	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	IG	203	PEB	C1C-CHB-C4B	2.86	132.23	128.81
31	Y4	203	PEB	OD-C4D-C3D	-2.86	122.98	129.46
31	L1	201	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	VA	201	PEB	C1B-C2B-C3B	-2.86	103.22	106.51
31	b7	502	PEB	C1B-C2B-C3B	-2.86	103.22	106.51
31	c6	202	PEB	CHC-C1D-ND	-2.86	110.63	113.95
31	AC	302	PEB	C3B-C4B-NB	2.86	114.21	110.05
31	KG	201	PEB	C3B-C4B-NB	2.86	114.21	110.05
31	YI	201	PEB	O2B-CGB-CBB	2.86	123.22	114.03
31	Q1	202	PEB	C2A-C1A-NA	2.86	110.74	108.27
31	NH	201	PEB	CAB-CBB-CGB	-2.86	107.45	113.60
31	m6	202	PEB	CAB-C3B-C4B	2.86	130.07	125.01
31	LD	1002	PEB	C1B-C2B-C3B	-2.86	103.22	106.51
31	PK	202	PEB	C1B-C2B-C3B	-2.86	103.22	106.51
31	gF	201	PEB	CMB-C2B-C3B	-2.86	118.36	126.12
31	WD	203	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	O1	202	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	O6	202	PEB	OD-C4D-ND	-2.86	121.69	125.93
31	h6	201	PEB	C4B-NB-C1B	-2.86	101.12	106.51
31	OH	203	PEB	CAA-C3A-C4A	-2.86	105.33	112.67
31	QH	203	PEB	C3B-C4B-NB	2.86	114.21	110.05
31	YH	203	PEB	C1B-C2B-C3B	-2.86	103.23	106.51
31	N2	1002	PEB	C2A-C1A-NA	2.86	110.74	108.27
33	IB	1001	CYC	CHA-C1A-NA	-2.86	124.86	128.83
31	OD	202	PEB	C3B-C4B-NB	2.86	114.21	110.05
31	gC	201	PEB	C3B-C4B-NB	2.86	114.21	110.05
31	Z9	302	PEB	CHC-C4C-C3C	-2.86	125.46	130.34
31	BI	201	PEB	OD-C4D-ND	-2.86	121.70	125.93
31	HH	201	PEB	OD-C4D-C3D	-2.86	122.99	129.46
31	jH	203	PEB	OD-C4D-C3D	-2.86	122.99	129.46
31	hH	202	PEB	C4B-C3B-C2B	-2.86	103.62	106.78
31	M9	301	PEB	CBC-CAC-C2C	-2.86	107.75	112.62
31	UE	201	PEB	C1B-C2B-C3B	-2.86	103.23	106.51
31	HG	202	PEB	C1B-C2B-C3B	-2.86	103.23	106.51
31	GF	201	PEB	CMB-C2B-C1B	2.86	129.46	125.06
31	iE	201	PEB	CAB-CBB-CGB	-2.86	107.46	113.60
31	AD	304	PEB	OD-C4D-ND	-2.86	121.70	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	g6	203	PEB	OD-C4D-C3D	-2.86	122.99	129.46
31	U2	202	PEB	CAB-CBB-CGB	-2.86	107.46	113.60
31	UJ	202	PEB	C2A-C1A-NA	2.86	110.73	108.27
31	FK	202	PEB	CMB-C2B-C1B	2.86	129.46	125.06
31	WJ	201	PEB	C4B-C3B-C2B	-2.86	103.62	106.78
31	hB	202	PEB	C4B-C3B-C2B	-2.86	103.62	106.78
33	DD	1001	CYC	CHB-C1B-NB	-2.86	119.93	126.06
31	FI	203	PEB	C1B-C2B-C3B	-2.86	103.23	106.51
31	EF	201	PEB	CHB-C4B-C3B	-2.86	118.72	125.32
31	GK	202	PEB	C3B-C4B-NB	2.86	114.20	110.05
31	M8	202	PEB	C3B-C4B-NB	2.86	114.20	110.05
31	E8	201	PEB	CHB-C4B-C3B	-2.86	118.72	125.32
31	FI	203	PEB	CHC-C4C-C3C	-2.86	125.47	130.34
31	R1	201	PEB	CHC-C4C-C3C	-2.86	125.47	130.34
31	Y1	301	PEB	OD-C4D-C3D	-2.86	122.99	129.46
31	C5	202	PEB	CHA-C1B-NB	-2.85	118.96	124.93
31	M5	202	PEB	C4B-C3B-C2B	-2.85	103.62	106.78
31	h4	202	PEB	C1B-C2B-C3B	-2.85	103.23	106.51
32	Y1	304	PUB	OA-C1A-NA	-2.85	121.70	125.93
31	OD	203	PEB	CHA-C1B-NB	-2.85	118.96	124.93
31	V2	202	PEB	CHA-C1B-NB	-2.85	118.96	124.93
31	dB	202	PEB	OD-C4D-C3D	-2.85	122.99	129.46
31	MI	301	PEB	OD-C4D-ND	-2.85	121.70	125.93
31	R1	201	PEB	C4B-C3B-C2B	-2.85	103.62	106.78
31	b7	503	PEB	CHA-C1B-NB	-2.85	118.96	124.93
31	t8	201	PEB	C1B-C2B-C3B	-2.85	103.23	106.51
31	GA	203	PEB	CMB-C2B-C1B	2.85	129.46	125.06
31	eC	201	PEB	CMB-C2B-C1B	2.85	129.46	125.06
31	j4	201	PEB	CHA-C1B-C2B	2.85	132.24	124.90
31	hD	201	PEB	CHB-C4B-NB	-2.85	124.87	128.83
31	QK	202	PEB	C2A-C1A-NA	2.85	110.73	108.27
31	YE	202	PEB	C3B-C4B-NB	2.85	114.20	110.05
31	EF	202	PEB	CMB-C2B-C1B	2.85	129.46	125.06
31	BH	301	PEB	CBC-CAC-C2C	2.85	117.49	112.62
33	63	901	CYC	C1A-C2A-C3A	-2.85	103.62	106.78
31	YE	201	PEB	C1B-C2B-C3B	-2.85	103.23	106.51
31	VC	202	PEB	CHA-C1B-NB	-2.85	118.97	124.93
31	F1	202	PEB	CHA-C1B-NB	-2.85	118.97	124.93
31	CF	203	PEB	C3B-C4B-NB	2.85	114.20	110.05
31	U7	201	PEB	CAA-C3A-C4A	-2.85	105.35	112.67
31	SC	202	PEB	C3D-C4D-ND	2.85	112.86	107.26
31	ZE	203	PEB	OA-C1A-C2A	-2.85	123.91	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dE	201	PEB	C2A-C1A-NA	2.85	110.73	108.27
31	T8	202	PEB	CAA-C3A-C4A	-2.85	105.35	112.67
31	VE	201	PEB	C1B-C2B-C3B	-2.85	103.23	106.51
31	lC	202	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	HJ	203	PEB	C3B-C4B-NB	2.85	114.20	110.05
31	DA	202	PEB	OD-C4D-ND	-2.85	121.70	125.93
31	lD	201	PEB	OD-C4D-ND	-2.85	121.70	125.93
31	Q9	201	PEB	OD-C4D-ND	-2.85	121.71	125.93
31	mE	201	PEB	C1B-C2B-C3B	-2.85	103.23	106.51
31	gC	203	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	VA	202	PEB	C2A-C1A-NA	2.85	110.73	108.27
31	E9	202	PEB	C2A-C1A-NA	2.85	110.73	108.27
31	A7	201	PEB	OA-C1A-C2A	-2.85	123.91	126.17
31	l6	201	PEB	OD-C4D-C3D	-2.85	123.00	129.46
32	AH	304	PUB	CMD-C2D-C3D	2.85	132.05	127.77
31	W1	201	PEB	C3B-C4B-NB	2.85	114.20	110.05
31	W2	202	PEB	C3B-C4B-NB	2.85	114.20	110.05
31	bB	202	PEB	C3B-C4B-NB	2.85	114.20	110.05
31	NH	202	PEB	O2B-CGB-CBB	2.85	123.19	114.03
31	UE	203	PEB	CMB-C2B-C1B	2.85	129.45	125.06
31	Q4	201	PEB	CMB-C2B-C1B	2.85	129.45	125.06
31	aB	202	PEB	OD-C4D-ND	-2.85	121.71	125.93
31	UI	203	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	q8	203	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	GD	202	PEB	C1C-CHB-C4B	2.85	132.21	128.81
31	OH	203	PEB	CMA-C2A-C1A	-2.85	106.26	112.40
31	d5	401	PEB	C2A-C1A-NA	2.85	110.73	108.27
31	PK	203	PEB	CHB-C4B-C3B	-2.85	118.74	125.32
31	W4	203	PEB	OD-C4D-ND	-2.85	121.71	125.93
31	OE	203	PEB	CHA-C1B-NB	-2.85	118.97	124.93
33	63	901	CYC	CHB-C1B-C2B	-2.85	121.30	126.95
31	AB	301	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	SC	201	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	QF	202	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	C8	201	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	r8	201	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	lH	203	PEB	OD-C4D-ND	-2.85	121.71	125.93
31	QD	202	PEB	CBC-CAC-C2C	-2.85	107.76	112.62
31	WG	202	PEB	C2B-C1B-NB	2.85	116.61	110.53
31	jC	202	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	f4	203	PEB	CHA-C1B-NB	-2.85	118.97	124.93
31	eF	201	PEB	CMB-C2B-C1B	2.85	129.45	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O5	202	PEB	C1C-CHB-C4B	-2.85	125.41	128.81
31	m6	203	PEB	OA-C1A-C2A	-2.85	123.91	126.17
31	QF	203	PEB	CAA-C3A-C2A	2.85	121.38	114.26
31	iF	202	PEB	CHB-C4B-C3B	-2.85	118.74	125.32
31	F4	202	PEB	OD-C4D-ND	-2.85	121.71	125.93
31	e6	201	PEB	CHB-C4B-C3B	-2.85	118.74	125.32
31	PF	201	PEB	C1C-CHB-C4B	2.85	132.21	128.81
31	YI	202	PEB	C1B-C2B-C3B	-2.85	103.24	106.51
31	U4	202	PEB	CHA-C1B-C2B	2.85	132.22	124.90
31	qF	201	PEB	CHA-C1B-C2B	2.85	132.22	124.90
31	DI	203	PEB	CHC-C4C-C3C	-2.85	125.48	130.34
31	HI	202	PEB	OA-C1A-C2A	-2.85	123.91	126.17
31	XF	202	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	bF	202	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	UA	304	PEB	OD-C4D-C3D	-2.85	123.01	129.46
31	AC	301	PEB	C1B-C2B-C3B	-2.85	103.24	106.51
31	S2	201	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	A2	305	PEB	C3B-C4B-NB	2.85	114.19	110.05
31	dB	202	PEB	OD-C4D-ND	-2.85	121.71	125.93
31	V2	201	PEB	CHB-C4B-C3B	-2.85	118.74	125.32
31	KF	203	PEB	OA-C1A-C2A	-2.85	123.91	126.17
31	mB	203	PEB	OA-C1A-C2A	-2.85	123.91	126.17
31	QA	202	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	AC	302	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	aF	203	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	tF	202	PEB	C4B-C3B-C2B	-2.85	103.63	106.78
31	KJ	202	PEB	OD-C4D-C3D	-2.85	123.01	129.46
31	bB	201	PEB	CMA-C2A-C1A	-2.85	106.27	112.40
31	G8	202	PEB	CAC-C2C-C3C	2.85	135.42	127.25
31	X5	202	PEB	CMB-C2B-C1B	2.85	129.45	125.06
31	A7	202	PEB	CMB-C2B-C1B	2.85	129.45	125.06
31	NA	201	PEB	OD-C4D-C3D	-2.85	123.01	129.46
31	fD	203	PEB	OD-C4D-C3D	-2.85	123.01	129.46
31	FK	202	PEB	CHA-C1B-NB	-2.85	118.98	124.93
31	aH	202	PEB	CHC-C1D-ND	-2.85	110.64	113.95
31	eH	201	PEB	CHC-C1D-ND	-2.85	110.64	113.95
31	k8	203	PEB	C3B-C4B-NB	2.85	114.19	110.05
32	xF	305	PUB	C2C-C1C-NC	2.85	114.19	110.05
31	OK	202	PEB	OD-C4D-ND	-2.85	121.72	125.93
31	EH	203	PEB	OD-C4D-C3D	-2.84	123.01	129.46
31	Y7	503	PEB	C4B-C3B-C2B	-2.84	103.63	106.78
33	DD	1001	CYC	C1A-C2A-C3A	-2.84	103.63	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U8	202	PEB	OA-C1A-C2A	-2.84	123.91	126.17
31	H5	203	PEB	C3B-C4B-NB	2.84	114.19	110.05
31	QI	203	PEB	CHC-C1D-ND	-2.84	110.64	113.95
31	o8	202	PEB	CHC-C1D-ND	-2.84	110.64	113.95
31	Y9	202	PEB	CAA-C3A-C4A	-2.84	105.37	112.67
31	Z2	202	PEB	C1B-C2B-C3B	-2.84	103.24	106.51
31	D7	202	PEB	C2A-C1A-NA	2.84	110.72	108.27
31	aC	201	PEB	C2A-C1A-NA	2.84	110.72	108.27
31	MA	201	PEB	C4B-C3B-C2B	-2.84	103.64	106.78
31	XK	203	PEB	CHC-C4C-C3C	-2.84	125.49	130.34
31	JI	202	PEB	CAB-C3B-C4B	2.84	130.04	125.01
31	MF	202	PEB	C3B-C4B-NB	2.84	114.19	110.05
31	LF	202	PEB	OD-C4D-C3D	-2.84	123.02	129.46
31	M9	301	PEB	OD-C4D-C3D	-2.84	123.02	129.46
31	C4	201	PEB	CHC-C1D-ND	-2.84	110.64	113.95
31	Q9	201	PEB	OA-C1A-C2A	-2.84	123.91	126.17
33	K3	1001	CYC	OC-C1C-C2C	-2.84	123.91	126.17
33	v3	1001	CYC	OC-C1C-C2C	-2.84	123.91	126.17
31	WF	203	PEB	CMB-C2B-C1B	2.84	129.44	125.06
33	CB	1001	CYC	C2A-C1A-NA	2.84	114.19	110.05
31	LG	202	PEB	OD-C4D-ND	-2.84	121.72	125.93
33	NC	1001	CYC	C2B-C1B-NB	2.84	111.15	106.99
31	OI	201	PEB	C2A-C1A-NA	2.84	110.72	108.27
31	T5	203	PEB	CHA-C1B-NB	-2.84	118.99	124.93
31	YK	301	PEB	OD-C4D-C3D	-2.84	123.02	129.46
31	AC	305	PEB	C1B-C2B-C3B	-2.84	103.24	106.51
31	QE	202	PEB	CBC-CAC-C2C	-2.84	107.77	112.62
31	U5	202	PEB	C3B-C4B-NB	2.84	114.18	110.05
31	WD	202	PEB	OD-C4D-ND	-2.84	121.72	125.93
31	H5	203	PEB	CHA-C1B-NB	-2.84	118.99	124.93
31	b6	201	PEB	CMA-C2A-C1A	-2.84	106.28	112.40
33	t3	1001	CYC	OC-C1C-C2C	-2.84	123.91	126.17
31	AI	201	PEB	OD-C4D-C3D	-2.84	123.02	129.46
31	fE	203	PEB	OD-C4D-C3D	-2.84	123.02	129.46
31	ZE	203	PEB	CHC-C4C-C3C	-2.84	125.49	130.34
31	W5	201	PEB	C4B-C3B-C2B	-2.84	103.64	106.78
31	J4	202	PEB	CAB-C3B-C4B	2.84	130.04	125.01
31	MI	302	PEB	CMB-C2B-C1B	2.84	129.44	125.06
33	L2	1001	CYC	OB-C4B-C3B	-2.84	124.96	128.04
31	N9	202	PEB	C2A-C1A-NA	2.84	110.72	108.27
31	VD	201	PEB	C1B-C2B-C3B	-2.84	103.25	106.51
31	mD	201	PEB	C1B-C2B-C3B	-2.84	103.25	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	D2	1001	CYC	CHA-C1A-NA	-2.84	124.89	128.83
31	NA	203	PEB	CBB-CAB-C3B	-2.84	104.73	112.63
31	a8	203	PEB	OD-C4D-C3D	-2.84	123.02	129.46
31	RK	201	PEB	C4B-C3B-C2B	-2.84	103.64	106.78
31	DA	203	PEB	C1C-CHB-C4B	2.84	132.20	128.81
33	g3	1001	CYC	OC-C1C-C2C	-2.84	123.91	126.17
31	UH	203	PEB	OD-C4D-C3D	-2.84	123.02	129.46
31	GH	203	PEB	CAA-C3A-C4A	-2.84	105.38	112.67
31	OE	201	PEB	CAA-C3A-C2A	-2.84	107.16	114.26
31	X7	201	PEB	C1B-C2B-C3B	-2.84	103.25	106.51
31	NE	201	PEB	CHC-C4C-C3C	-2.84	125.49	130.34
31	e6	203	PEB	C3B-C4B-NB	2.84	114.18	110.05
31	R6	201	PEB	C4B-C3B-C2B	-2.84	103.64	106.78
31	c6	202	PEB	C4B-C3B-C2B	-2.84	103.64	106.78
31	N1	202	PEB	CHB-C4B-NB	-2.84	124.89	128.83
31	Y7	501	PEB	OD-C4D-ND	-2.84	121.72	125.93
31	UC	202	PEB	OA-C1A-C2A	-2.84	123.92	126.17
31	EG	201	PEB	OA-C1A-C2A	-2.84	123.92	126.17
31	fA	301	PEB	C3B-C4B-NB	2.84	114.18	110.05
31	hB	202	PEB	C3B-C4B-NB	2.84	114.18	110.05
31	HA	203	PEB	CBC-CAC-C2C	-2.84	107.77	112.62
31	F9	203	PEB	CBC-CAC-C2C	-2.84	107.77	112.62
31	iF	203	PEB	C2A-C1A-NA	2.84	110.72	108.27
31	P2	202	PEB	CAC-CBC-CGC	-2.84	105.80	113.76
31	MJ	201	PEB	CHB-C4B-C3B	-2.84	118.76	125.32
31	u8	202	PEB	OD-C4D-ND	-2.84	121.72	125.93
31	HI	201	PEB	O2B-CGB-CBB	2.84	123.15	114.03
31	OA	201	PEB	CHA-C1B-NB	-2.84	118.99	124.93
31	GI	201	PEB	OD-C4D-C3D	-2.84	123.03	129.46
31	Y1	302	PEB	OD-C4D-C3D	-2.84	123.03	129.46
31	Y9	201	PEB	OD-C4D-C3D	-2.84	123.03	129.46
31	S4	202	PEB	C4B-C3B-C2B	-2.84	103.64	106.78
31	ZA	203	PEB	C3B-C4B-NB	2.84	114.18	110.05
31	P4	201	PEB	CMB-C2B-C1B	2.84	129.44	125.06
31	lF	201	PEB	CAB-CBB-CGB	-2.84	107.50	113.60
31	O2	201	PEB	OD-C4D-ND	-2.84	121.73	125.93
31	nF	201	PEB	OD-C4D-ND	-2.84	121.73	125.93
31	hH	201	PEB	CAA-C3A-C4A	-2.84	105.39	112.67
31	F1	201	PEB	CHA-C1B-NB	-2.84	119.00	124.93
31	AB	301	PEB	C4B-C3B-C2B	-2.84	103.64	106.78
31	PC	202	PEB	CHC-C4C-C3C	-2.84	125.50	130.34
31	QB	201	PEB	OD-C4D-C3D	-2.84	123.03	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	m6	202	PEB	OD-C4D-C3D	-2.84	123.03	129.46
31	GH	201	PEB	C1B-C2B-C3B	-2.84	103.25	106.51
31	A5	301	PEB	C1B-C2B-C3B	-2.84	103.25	106.51
31	hD	202	PEB	C1B-C2B-C3B	-2.84	103.25	106.51
31	pF	201	PEB	CAB-CBB-CGB	-2.84	107.50	113.60
33	e3	1001	CYC	OC-C1C-C2C	-2.84	123.92	126.17
31	AB	305	PEB	OD-C4D-ND	-2.84	121.73	125.93
31	K8	202	PEB	OD-C4D-ND	-2.84	121.73	125.93
31	JA	201	PEB	C3B-C4B-NB	2.84	114.18	110.05
31	WC	202	PEB	C3B-C4B-NB	2.84	114.18	110.05
31	WA	402	PEB	CMB-C2B-C1B	2.84	129.43	125.06
31	J7	201	PEB	CHA-C1B-NB	-2.84	119.00	124.93
31	H9	201	PEB	CHA-C1B-NB	-2.84	119.00	124.93
31	S2	202	PEB	C3D-C4D-ND	2.84	112.83	107.26
31	AK	202	PEB	C3B-C4B-NB	2.84	114.17	110.05
33	D2	1001	CYC	CHB-C4A-NA	-2.84	119.00	124.93
31	k2	201	PEB	OD-C4D-C3D	-2.84	123.03	129.46
31	iB	203	PEB	OA-C1A-C2A	-2.84	123.92	126.17
33	c3	1001	CYC	OC-C1C-C2C	-2.84	123.92	126.17
31	oF	202	PEB	CHC-C1D-ND	-2.84	110.65	113.95
32	yF	303	PUB	OD-C4D-ND	-2.84	121.73	125.93
31	W2	201	PEB	OD-C4D-C3D	-2.84	123.03	129.46
31	HJ	202	PEB	C3B-C4B-NB	2.84	114.17	110.05
31	D4	201	PEB	CAB-C3B-C4B	2.84	130.03	125.01
31	b7	501	PEB	OD-C4D-C3D	-2.84	123.04	129.46
31	ZG	401	PEB	OD-C4D-ND	-2.84	121.73	125.93
31	HI	203	PEB	CMB-C2B-C1B	2.84	129.43	125.06
31	NK	202	PEB	CHB-C4B-NB	-2.84	124.89	128.83
31	SE	202	PEB	CHA-C1B-NB	-2.83	119.00	124.93
31	BA	201	PEB	C1B-C2B-C3B	-2.83	103.25	106.51
31	C7	203	PEB	C1B-C2B-C3B	-2.83	103.25	106.51
31	AA	501	PEB	OD-C4D-ND	-2.83	121.73	125.93
31	SA	202	PEB	CHA-C1B-NB	-2.83	119.00	124.93
31	j6	201	PEB	OD-C4D-C3D	-2.83	123.04	129.46
31	bD	202	PEB	CHB-C4B-NB	-2.83	124.89	128.83
31	eA	201	PEB	C4B-C3B-C2B	-2.83	103.65	106.78
31	p8	201	PEB	CAB-CBB-CGB	-2.83	107.50	113.60
31	AJ	301	PEB	C1B-C2B-C3B	-2.83	103.25	106.51
31	j2	202	PEB	C2A-C1A-NA	2.83	110.72	108.27
32	yF	302	PUB	CAD-C3D-C4D	2.83	125.85	121.38
31	ZI	301	PEB	CMB-C2B-C1B	2.83	129.43	125.06
31	V5	202	PEB	OA-C1A-C2A	-2.83	123.92	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	UB	202	PEB	OD-C4D-C3D	-2.83	123.04	129.46
31	KD	201	PEB	CHC-C1D-ND	-2.83	110.66	113.95
31	pF	201	PEB	OD-C4D-ND	-2.83	121.73	125.93
31	O7	201	PEB	CHA-C1B-NB	-2.83	119.01	124.93
33	I6	1001	CYC	CHA-C1A-NA	-2.83	124.90	128.83
31	X1	203	PEB	CHC-C4C-C3C	-2.83	125.50	130.34
31	hD	203	PEB	C2A-C1A-NA	2.83	110.72	108.27
31	D1	201	PEB	CHA-C4A-NA	2.83	128.57	125.20
31	R7	202	PEB	OD-C4D-C3D	-2.83	123.04	129.46
31	iF	201	PEB	OD-C4D-C3D	-2.83	123.04	129.46
31	f6	202	PEB	CHA-C1B-NB	-2.83	119.01	124.93
31	dC	201	PEB	OD-C4D-ND	-2.83	121.73	125.93
31	YF	203	PEB	C4B-C3B-C2B	-2.83	103.65	106.78
31	ND	201	PEB	CHC-C4C-C3C	-2.83	125.51	130.34
31	TA	201	PEB	C3B-C4B-NB	2.83	114.17	110.05
31	Y7	504	PEB	C3B-C4B-NB	2.83	114.17	110.05
32	y8	303	PUB	C2C-C1C-NC	2.83	114.17	110.05
31	YJ	201	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	DK	203	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	NC	1002	PEB	OD-C4D-ND	-2.83	121.73	125.93
31	QC	202	PEB	OD-C4D-ND	-2.83	121.73	125.93
31	KI	201	PEB	OD-C4D-C3D	-2.83	123.04	129.46
31	L8	202	PEB	OD-C4D-C3D	-2.83	123.04	129.46
31	Z9	301	PEB	OD-C4D-C3D	-2.83	123.04	129.46
31	mH	201	PEB	CAA-C3A-C2A	-2.83	107.18	114.26
33	N2	1001	CYC	C2B-C1B-NB	2.83	111.13	106.99
31	R8	201	PEB	C3B-C4B-NB	2.83	114.17	110.05
31	BK	201	PEB	CHC-C1D-ND	-2.83	110.66	113.95
31	O1	201	PEB	CHC-C1D-ND	-2.83	110.66	113.95
31	k2	201	PEB	CHC-C1D-ND	-2.83	110.66	113.95
31	A2	305	PEB	CHA-C1B-NB	-2.83	119.01	124.93
31	F9	203	PEB	CHA-C1B-NB	-2.83	119.01	124.93
31	qF	203	PEB	CAB-C3B-C4B	2.83	130.02	125.01
31	b7	502	PEB	C4B-C3B-C2B	-2.83	103.65	106.78
32	y8	302	PUB	CAD-C3D-C4D	2.83	125.85	121.38
31	UD	203	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
33	G3	1001	CYC	OC-C1C-C2C	-2.83	123.92	126.17
31	mE	203	PEB	CAB-C3B-C4B	2.83	130.02	125.01
31	P1	201	PEB	CBC-CAC-C2C	-2.83	107.79	112.62
31	RI	201	PEB	OD-C4D-C3D	-2.83	123.05	129.46
31	RE	201	PEB	CHC-C4C-C3C	-2.83	125.51	130.34
33	HE	1001	CYC	C1A-C2A-C3A	-2.83	103.65	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KE	201	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	iF	201	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
32	x8	306	PUB	OD-C4D-ND	-2.83	121.74	125.93
31	O1	201	PEB	OD-C4D-C3D	-2.83	123.05	129.46
31	B4	301	PEB	C2A-C1A-NA	2.83	110.71	108.27
31	Z9	303	PEB	C2A-C1A-NA	2.83	110.71	108.27
31	eB	202	PEB	C2A-C1A-NA	2.83	110.71	108.27
31	g8	201	PEB	CMB-C2B-C3B	-2.83	118.43	126.12
31	SD	202	PEB	CHA-C1B-NB	-2.83	119.01	124.93
31	I7	203	PEB	CMB-C2B-C1B	2.83	129.42	125.06
31	WA	401	PEB	CHC-C1D-ND	-2.83	110.66	113.95
31	ZF	202	PEB	CHC-C1D-ND	2.83	117.23	113.95
31	f2	202	PEB	OA-C1A-C2A	-2.83	123.92	126.17
31	MH	203	PEB	C4B-C3B-C2B	-2.83	103.65	106.78
31	P1	202	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	aE	202	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	bF	201	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	KF	202	PEB	OD-C4D-C3D	-2.83	123.05	129.46
31	aD	201	PEB	CAB-C3B-C4B	2.83	130.01	125.01
31	VC	201	PEB	CHB-C4B-C3B	-2.83	118.78	125.32
31	G7	201	PEB	CHA-C1B-NB	-2.83	119.02	124.93
31	lB	201	PEB	OD-C4D-C3D	-2.83	123.05	129.46
31	hH	203	PEB	OD-C4D-C3D	-2.83	123.05	129.46
31	E7	202	PEB	OD-C4D-ND	-2.83	121.74	125.93
31	M9	301	PEB	OD-C4D-ND	-2.83	121.74	125.93
31	H5	202	PEB	CHC-C1D-ND	-2.83	110.66	113.95
32	Y1	304	PUB	CHA-C4A-NA	-2.83	110.66	113.95
33	BE	1002	CYC	C2A-C1A-NA	2.83	114.16	110.05
31	aE	201	PEB	CAB-C3B-C4B	2.83	130.01	125.01
31	eC	201	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	Q9	203	PEB	C1C-CHB-C4B	-2.83	125.43	128.81
31	OA	201	PEB	CMB-C2B-C1B	2.83	129.42	125.06
31	c2	202	PEB	CHB-C4B-NB	-2.83	124.90	128.83
31	s8	202	PEB	CHB-C4B-NB	-2.83	124.90	128.83
31	bD	201	PEB	CBC-CAC-C2C	-2.83	107.79	112.62
31	OK	201	PEB	OD-C4D-C3D	-2.83	123.05	129.46
31	kD	202	PEB	CAB-C3B-C4B	2.83	130.01	125.01
31	V2	202	PEB	C3B-C4B-NB	2.83	114.16	110.05
31	D9	201	PEB	CHB-C4B-NB	-2.83	124.90	128.83
31	LI	203	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	KK	202	PEB	C4B-C3B-C2B	-2.83	103.65	106.78
31	c8	202	PEB	C4B-C3B-C2B	-2.83	103.65	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U9	201	PEB	CHA-C1B-NB	-2.83	119.02	124.93
31	QH	204	PEB	C3B-C4B-NB	2.83	114.16	110.05
31	S7	201	PEB	OD-C4D-C3D	-2.83	123.05	129.46
31	mB	202	PEB	OD-C4D-C3D	-2.83	123.05	129.46
33	m3	1001	CYC	OC-C1C-C2C	-2.83	123.92	126.17
31	b7	503	PEB	C4B-C3B-C2B	-2.83	103.65	106.78
31	VJ	201	PEB	C2A-C1A-NA	2.83	110.71	108.27
31	fD	201	PEB	C2A-C1A-NA	2.83	110.71	108.27
31	a4	201	PEB	OD-C4D-ND	-2.83	121.74	125.93
31	VA	201	PEB	CHA-C1B-NB	-2.83	119.02	124.93
31	A2	301	PEB	C1B-C2B-C3B	-2.83	103.26	106.51
31	IG	201	PEB	OA-C1A-C2A	-2.83	123.93	126.17
31	NG	201	PEB	OA-C1A-C2A	-2.83	123.93	126.17
31	U2	202	PEB	OA-C1A-C2A	-2.83	123.93	126.17
31	i4	202	PEB	CHA-C1B-C2B	2.83	132.17	124.90
31	YD	201	PEB	CAB-CBB-CGB	-2.83	107.52	113.60
31	a2	201	PEB	C2A-C1A-NA	2.83	110.71	108.27
33	JB	1001	CYC	C1B-NB-C4B	-2.83	107.07	110.67
33	J6	1001	CYC	C1B-NB-C4B	-2.83	107.07	110.67
31	LI	203	PEB	CHC-C1D-ND	-2.83	110.67	113.95
31	LI	203	PEB	CAB-C3B-C4B	2.83	130.01	125.01
31	k2	201	PEB	CAB-C3B-C4B	2.83	130.01	125.01
31	hB	201	PEB	C4B-NB-C1B	-2.83	101.19	106.51
31	B5	202	PEB	C4B-C3B-C2B	-2.83	103.66	106.78
31	IH	203	PEB	CBC-CAC-C2C	-2.83	107.80	112.62
31	Y2	201	PEB	OD-C4D-ND	-2.83	121.75	125.93
31	JE	201	PEB	CBB-CAB-C3B	2.82	120.48	112.63
31	QA	201	PEB	CMB-C2B-C1B	2.82	129.41	125.06
31	Y9	203	PEB	C3B-C4B-NB	2.82	114.16	110.05
31	PI	201	PEB	OD-C4D-C3D	-2.82	123.06	129.46
31	o8	202	PEB	C2A-C1A-NA	2.82	110.71	108.27
31	ND	201	PEB	C1C-CHB-C4B	-2.82	125.44	128.81
31	WA	402	PEB	CMC-C3C-C2C	2.82	130.27	124.94
31	UE	203	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	TI	201	PEB	OD-C4D-C3D	-2.82	123.06	129.46
31	W2	203	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	a8	203	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	VA	201	PEB	CHB-C4B-C3B	-2.82	118.80	125.32
31	QB	201	PEB	OA-C1A-C2A	-2.82	123.93	126.17
32	K1	203	PUB	CAC-CBC-CGC	-2.82	107.53	113.60
31	OC	201	PEB	C2A-C1A-NA	2.82	110.71	108.27
31	O5	202	PEB	OD-C4D-C3D	-2.82	123.06	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TJ	202	PEB	C3B-C4B-NB	2.82	114.16	110.05
31	A1	202	PEB	C3B-C4B-NB	2.82	114.16	110.05
31	A6	301	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	t8	202	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	dD	201	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	SA	202	PEB	CBC-CAC-C2C	-2.82	107.80	112.62
31	GD	202	PEB	CBB-CAB-C3B	2.82	120.47	112.63
32	x8	306	PUB	OA-C1A-NA	-2.82	121.75	125.93
31	U9	203	PEB	CAC-CBC-CGC	-2.82	105.84	113.76
31	G8	202	PEB	CBC-CAC-C2C	-2.82	107.80	112.62
31	j6	202	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	M8	201	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	ZE	201	PEB	OD-C4D-ND	-2.82	121.75	125.93
31	KA	304	PEB	C2A-C1A-NA	2.82	110.71	108.27
31	PJ	203	PEB	C2A-C1A-NA	2.82	110.71	108.27
31	EH	202	PEB	CMA-C2A-C1A	-2.82	106.32	112.40
31	SF	202	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	gB	201	PEB	OD-C4D-ND	-2.82	121.75	125.93
31	eD	202	PEB	C4B-C3B-C2B	-2.82	103.66	106.78
31	L4	202	PEB	C3B-C4B-NB	2.82	114.15	110.05
31	T7	202	PEB	C2A-C1A-NA	2.82	110.70	108.27
31	SJ	202	PEB	OA-C1A-C2A	-2.82	123.93	126.17
31	B5	201	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	kD	202	PEB	OD-C4D-C3D	-2.82	123.07	129.46
31	UA	304	PEB	CMC-C3C-C2C	2.82	130.26	124.94
31	X5	202	PEB	CHC-C4C-C3C	-2.82	125.53	130.34
31	G8	203	PEB	C3B-C4B-NB	2.82	114.15	110.05
31	c4	202	PEB	OD-C4D-C3D	-2.82	123.07	129.46
31	T2	202	PEB	CMB-C2B-C1B	2.82	129.41	125.06
31	SG	202	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	e2	201	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
33	JC	1001	CYC	CHA-C1A-NA	-2.82	124.92	128.83
31	K4	202	PEB	CHC-C1D-ND	-2.82	110.67	113.95
31	D1	201	PEB	OD-C4D-C3D	-2.82	123.07	129.46
31	DI	203	PEB	C3B-C4B-NB	2.82	114.15	110.05
33	FC	1001	CYC	C2A-C1A-NA	2.82	114.15	110.05
31	d4	202	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	VI	201	PEB	OD-C4D-C3D	-2.82	123.07	129.46
31	F1	203	PEB	OD-C4D-C3D	-2.82	123.07	129.46
32	KK	203	PUB	CAC-CBC-CGC	-2.82	107.54	113.60
31	f2	203	PEB	C2A-C1A-NA	2.82	110.70	108.27
31	jF	202	PEB	C2A-C1A-NA	2.82	110.70	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YG	202	PEB	CHA-C1B-NB	-2.82	119.04	124.93
31	K5	202	PEB	OD-C4D-C3D	-2.82	123.07	129.46
31	AD	304	PEB	OA-C1A-C2A	-2.82	123.93	126.17
33	T3	1001	CYC	OC-C1C-C2C	-2.82	123.93	126.17
31	D2	1002	PEB	OD-C4D-ND	-2.82	121.75	125.93
31	M4	203	PEB	OD-C4D-ND	-2.82	121.75	125.93
31	QI	203	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	Y5	201	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	h8	202	PEB	CHA-C1B-NB	-2.82	119.04	124.93
31	BG	203	PEB	OD-C4D-C3D	-2.82	123.08	129.46
31	EI	201	PEB	OD-C4D-C3D	-2.82	123.08	129.46
31	L7	202	PEB	C2A-C1A-NA	2.82	110.70	108.27
31	b7	502	PEB	C2A-C1A-NA	2.82	110.70	108.27
31	PE	202	PEB	OD-C4D-ND	-2.82	121.76	125.93
32	y8	303	PUB	OD-C4D-ND	-2.82	121.76	125.93
32	KK	203	PUB	CBB-CAB-C3B	-2.82	107.81	112.62
31	HI	201	PEB	OD-C4D-C3D	-2.82	123.08	129.46
31	OE	202	PEB	C3B-C4B-NB	2.82	114.15	110.05
31	VK	202	PEB	CHA-C4A-NA	2.82	128.55	125.20
31	D5	201	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	A8	202	PEB	C1B-C2B-C3B	-2.82	103.27	106.51
31	oF	202	PEB	C2A-C1A-NA	2.82	110.70	108.27
31	S6	202	PEB	C3B-C4B-NB	2.82	114.15	110.05
31	E7	201	PEB	CHB-C4B-NB	-2.82	124.92	128.83
31	RH	201	PEB	OD-C4D-C3D	-2.82	123.08	129.46
31	mD	203	PEB	CAB-C3B-C4B	2.82	129.99	125.01
31	H9	202	PEB	C1B-C2B-C3B	-2.82	103.28	106.51
31	OD	201	PEB	CAA-C3A-C2A	-2.82	107.22	114.26
31	T7	202	PEB	C1C-CHB-C4B	-2.82	125.45	128.81
31	dD	203	PEB	CHC-C1D-ND	-2.82	110.68	113.95
31	ZD	201	PEB	C3B-C4B-NB	2.82	114.14	110.05
31	U4	201	PEB	C3B-C4B-NB	2.82	114.14	110.05
31	P1	203	PEB	CHB-C4B-C3B	-2.81	118.82	125.32
31	NA	202	PEB	CMB-C2B-C1B	2.81	129.40	125.06
32	Q4	202	PUB	OD-C4D-ND	-2.81	121.76	125.93
31	GF	202	PEB	OD-C4D-C3D	-2.81	123.08	129.46
31	L9	202	PEB	C3B-C4B-NB	2.81	114.14	110.05
31	K8	202	PEB	OD-C4D-C3D	-2.81	123.08	129.46
31	Z8	201	PEB	CBC-CAC-C2C	-2.81	107.82	112.62
33	ME	1001	CYC	CMB-C2B-C1B	2.81	127.68	124.17
31	RD	202	PEB	OD-C4D-ND	-2.81	121.76	125.93
31	T1	203	PEB	C1C-CHB-C4B	2.81	132.17	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W9	201	PEB	CHA-C1B-NB	-2.81	119.05	124.93
31	gB	203	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	gA	203	PEB	CBB-CAB-C3B	-2.81	104.81	112.63
31	DJ	201	PEB	C1B-C2B-C3B	-2.81	103.28	106.51
31	UJ	201	PEB	OD-C4D-ND	-2.81	121.76	125.93
31	U6	202	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	eA	201	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	NE	201	PEB	C1C-CHB-C4B	-2.81	125.45	128.81
31	q8	202	PEB	CAB-C3B-C2B	-2.81	122.64	127.88
31	U7	202	PEB	C4B-C3B-C2B	-2.81	103.67	106.78
31	gB	201	PEB	C4B-C3B-C2B	-2.81	103.67	106.78
31	dE	202	PEB	CHC-C4C-C3C	-2.81	125.54	130.34
31	iD	202	PEB	C3B-C4B-NB	2.81	114.14	110.05
33	C6	1001	CYC	C2A-C1A-NA	2.81	114.14	110.05
31	YE	201	PEB	CAB-CBB-CGB	-2.81	107.55	113.60
31	W1	202	PEB	OD-C4D-ND	-2.81	121.76	125.93
31	Y4	201	PEB	CHB-C4B-NB	-2.81	124.93	128.83
31	kB	202	PEB	C2A-C1A-NA	2.81	110.70	108.27
31	eE	201	PEB	C2A-C1A-NA	2.81	110.70	108.27
31	K8	202	PEB	C3B-C4B-NB	2.81	114.14	110.05
31	CI	201	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	NI	201	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	TF	202	PEB	C1B-C2B-C3B	-2.81	103.28	106.51
31	II	201	PEB	OD-C4D-C3D	-2.81	123.09	129.46
33	GB	1001	CYC	C2A-C1A-NA	2.81	114.14	110.05
33	G6	1001	CYC	C2A-C1A-NA	2.81	114.14	110.05
31	jB	201	PEB	OA-C1A-C2A	-2.81	123.94	126.17
33	E3	1001	CYC	OC-C1C-C2C	-2.81	123.94	126.17
31	uF	203	PEB	CHA-C4A-NA	2.81	128.55	125.20
31	OH	202	PEB	C4B-C3B-C2B	-2.81	103.67	106.78
31	DI	202	PEB	C4B-C3B-C2B	-2.81	103.67	106.78
31	Z8	202	PEB	CAB-C3B-C4B	2.81	129.98	125.01
31	jB	201	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	F1	202	PEB	CMB-C2B-C1B	2.81	129.39	125.06
31	iE	202	PEB	C1B-C2B-C3B	-2.81	103.28	106.51
31	BA	203	PEB	OD-C4D-ND	-2.81	121.77	125.93
31	gA	202	PEB	OD-C4D-ND	-2.81	121.77	125.93
31	DF	203	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	i6	201	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	r8	201	PEB	OA-C1A-NA	2.81	128.34	124.94
31	AK	201	PEB	CMB-C2B-C1B	2.81	129.39	125.06
31	FF	201	PEB	CHA-C1B-NB	-2.81	119.06	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	F6	1002	PEB	C1B-C2B-C3B	-2.81	103.28	106.51
31	SG	201	PEB	OD-C4D-ND	-2.81	121.77	125.93
31	Y8	203	PEB	C2A-C1A-NA	2.81	110.69	108.27
31	GF	202	PEB	CAC-C2C-C3C	2.81	135.32	127.25
31	TG	201	PEB	C1C-CHB-C4B	2.81	132.16	128.81
31	BI	202	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	OJ	202	PEB	OD-C4D-C3D	-2.81	123.09	129.46
31	kB	202	PEB	CMB-C2B-C1B	2.81	129.39	125.06
31	UJ	201	PEB	CHA-C4A-NA	2.81	128.54	125.20
33	LC	1001	CYC	OB-C4B-C3B	-2.81	124.99	128.04
31	S7	202	PEB	CMA-C2A-C1A	-2.81	106.35	112.40
31	AB	305	PEB	C4B-C3B-C2B	-2.81	103.67	106.78
31	UB	201	PEB	OD-C4D-ND	-2.81	121.77	125.93
31	ZC	202	PEB	C1B-C2B-C3B	-2.81	103.28	106.51
33	J3	1001	CYC	OC-C1C-C2C	-2.81	123.94	126.17
31	ZA	203	PEB	C2A-C1A-NA	2.81	110.69	108.27
31	C4	203	PEB	C2A-C1A-NA	2.81	110.69	108.27
31	qF	203	PEB	C2A-C1A-NA	2.81	110.69	108.27
31	VC	202	PEB	C3B-C4B-NB	2.81	114.13	110.05
31	b7	503	PEB	C3B-C4B-NB	2.81	114.13	110.05
31	GF	202	PEB	OD-C4D-ND	-2.81	121.77	125.93
31	i2	201	PEB	CHB-C4B-C3B	-2.81	118.83	125.32
33	FE	1001	CYC	CMA-C3A-C4A	2.81	129.39	125.06
33	C3	1001	CYC	OC-C1C-C2C	-2.81	123.94	126.17
31	QG	201	PEB	C4B-C3B-C2B	-2.81	103.68	106.78
31	AF	201	PEB	C1C-CHB-C4B	2.81	132.16	128.81
31	Y2	202	PEB	C3B-C4B-NB	2.81	114.13	110.05
31	bC	202	PEB	OD-C4D-ND	-2.81	121.77	125.93
32	xF	301	PUB	CBA-CAA-C3A	-2.81	108.72	112.98
31	DK	201	PEB	OD-C4D-C3D	-2.81	123.10	129.46
31	eE	202	PEB	C4B-C3B-C2B	-2.81	103.68	106.78
33	LE	1001	CYC	C1A-C2A-C3A	-2.81	103.68	106.78
31	B5	202	PEB	OD-C4D-ND	-2.81	121.77	125.93
31	q8	201	PEB	CHA-C1B-C2B	2.81	132.12	124.90
31	XK	203	PEB	C1B-C2B-C3B	-2.81	103.29	106.51
31	qF	202	PEB	CAB-C3B-C2B	-2.81	122.65	127.88
31	ZD	203	PEB	CHC-C4C-C3C	-2.81	125.55	130.34
31	R5	202	PEB	OA-C1A-C2A	-2.81	123.94	126.17
31	gA	202	PEB	OD-C4D-C3D	-2.81	123.10	129.46
31	iB	201	PEB	OD-C4D-C3D	-2.81	123.10	129.46
31	lE	201	PEB	OD-C4D-ND	-2.81	121.77	125.93
31	OB	202	PEB	OD-C4D-C3D	-2.81	123.10	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MH	203	PEB	OD-C4D-C3D	-2.81	123.10	129.46
31	e8	201	PEB	C4B-C3B-C2B	-2.81	103.68	106.78
31	TF	202	PEB	CAA-C3A-C4A	-2.81	105.47	112.67
31	DK	201	PEB	CHA-C4A-NA	2.80	128.54	125.20
31	O6	202	PEB	OD-C4D-C3D	-2.80	123.11	129.46
31	Q8	202	PEB	C3B-C4B-NB	2.80	114.13	110.05
31	OJ	202	PEB	CHC-C4C-C3C	-2.80	125.55	130.34
31	O5	202	PEB	CHC-C4C-C3C	-2.80	125.55	130.34
31	uF	203	PEB	CHC-C4C-C3C	-2.80	125.55	130.34
31	KK	202	PEB	CMB-C2B-C1B	2.80	129.38	125.06
31	Y6	202	PEB	CAB-C3B-C4B	2.80	129.97	125.01
31	k8	203	PEB	OD-C4D-C3D	-2.80	123.11	129.46
31	Q8	203	PEB	C4B-C3B-C2B	-2.80	103.68	106.78
31	fF	202	PEB	C4B-C3B-C2B	-2.80	103.68	106.78
31	IA	202	PEB	CAB-C3B-C4B	2.80	129.97	125.01
33	L2	1001	CYC	C1B-CHB-C4A	-2.80	121.23	128.08
31	ZA	201	PEB	C2A-C1A-NA	2.80	110.69	108.27
31	RD	201	PEB	CHC-C4C-C3C	-2.80	125.56	130.34
31	SG	201	PEB	OD-C4D-C3D	-2.80	123.11	129.46
31	XJ	202	PEB	OD-C4D-C3D	-2.80	123.11	129.46
31	ZF	202	PEB	C1B-C2B-C3B	-2.80	103.29	106.51
31	aH	204	PEB	C3B-C4B-NB	2.80	114.13	110.05
33	73	1002	CYC	C1B-CHB-C4A	2.80	134.93	128.08
31	G4	203	PEB	CHA-C1B-NB	-2.80	119.07	124.93
31	KK	202	PEB	C3B-C4B-NB	2.80	114.13	110.05
31	BG	202	PEB	C1C-CHB-C4B	2.80	132.16	128.81
31	W9	203	PEB	CMB-C2B-C1B	2.80	129.38	125.06
31	sF	202	PEB	CHB-C4B-NB	-2.80	124.94	128.83
31	ZA	202	PEB	C1B-C2B-C3B	-2.80	103.29	106.51
31	hF	202	PEB	C2A-C1A-NA	2.80	110.69	108.27
31	QI	201	PEB	CHA-C1B-C2B	-2.80	117.69	124.90
31	jD	202	PEB	CBC-CAC-C2C	-2.80	107.84	112.62
31	GG	202	PEB	OA-C1A-C2A	-2.80	123.94	126.17
33	p3	1001	CYC	OC-C1C-C2C	-2.80	123.94	126.17
31	W6	201	PEB	OD-C4D-ND	-2.80	121.78	125.93
31	DI	201	PEB	CBA-CAA-C3A	-2.80	107.23	113.47
31	OE	201	PEB	C1B-C2B-C3B	-2.80	103.29	106.51
31	aH	204	PEB	C4B-C3B-C2B	-2.80	103.68	106.78
33	KC	201	CYC	CHA-C1A-C2A	-2.80	118.85	125.32
31	L2	1002	PEB	CHA-C4A-NA	2.80	128.54	125.20
31	c4	202	PEB	CHC-C1D-ND	-2.80	110.69	113.95
31	U6	201	PEB	OD-C4D-ND	-2.80	121.78	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	G8	203	PEB	C2A-C1A-NA	2.80	110.69	108.27
31	M8	201	PEB	C3B-C4B-NB	2.80	114.12	110.05
31	DI	202	PEB	OD-C4D-C3D	-2.80	123.11	129.46
31	RK	201	PEB	CHC-C4C-C3C	-2.80	125.56	130.34
31	F1	203	PEB	CHC-C4C-C3C	-2.80	125.56	130.34
31	B9	203	PEB	CHC-C4C-C3C	-2.80	125.56	130.34
31	eC	203	PEB	CAA-C3A-C4A	-2.80	105.48	112.67
31	YA	201	PEB	CAB-CBB-CGB	-2.80	107.58	113.60
31	O8	202	PEB	CHA-C1B-C2B	2.80	132.10	124.90
31	SE	201	PEB	OA-C1A-C2A	-2.80	123.95	126.17
31	AF	202	PEB	C1B-C2B-C3B	-2.80	103.29	106.51
31	AK	201	PEB	OD-C4D-ND	-2.80	121.78	125.93
32	xF	306	PUB	OA-C1A-NA	-2.80	121.78	125.93
31	D2	1002	PEB	C4B-C3B-C2B	-2.80	103.68	106.78
31	kF	203	PEB	C3B-C4B-NB	2.80	114.12	110.05
31	SG	201	PEB	CHA-C1B-NB	-2.80	119.08	124.93
31	W9	201	PEB	CHB-C4B-C3B	-2.80	118.85	125.32
31	a6	203	PEB	OA-C1A-C2A	-2.80	123.95	126.17
31	FK	203	PEB	OD-C4D-C3D	-2.80	123.12	129.46
31	h4	201	PEB	CHA-C1B-NB	-2.80	119.08	124.93
33	K2	201	CYC	CHA-C1A-C2A	-2.80	118.85	125.32
31	TC	202	PEB	CMB-C2B-C1B	2.80	129.38	125.06
31	jD	201	PEB	OD-C4D-ND	-2.80	121.78	125.93
31	JI	201	PEB	O2B-CGB-CBB	2.80	123.02	114.03
31	OB	201	PEB	C2B-C1B-NB	2.80	116.50	110.53
31	Z6	201	PEB	OA-C1A-NA	2.80	128.33	124.94
31	PE	202	PEB	OD-C4D-C3D	-2.80	123.12	129.46
31	JJ	201	PEB	C1B-C2B-C3B	-2.80	103.29	106.51
31	G5	202	PEB	C1B-C2B-C3B	-2.80	103.29	106.51
31	E8	202	PEB	CMB-C2B-C1B	2.80	129.37	125.06
31	d4	203	PEB	OD-C4D-ND	-2.80	121.78	125.93
31	eB	203	PEB	OD-C4D-ND	-2.80	121.78	125.93
31	g2	201	PEB	C3B-C4B-NB	2.80	114.12	110.05
33	LD	1001	CYC	C2A-C1A-NA	2.80	114.12	110.05
31	O8	202	PEB	CMB-C2B-C3B	-2.80	118.52	126.12
31	F9	203	PEB	C1C-CHB-C4B	-2.80	125.47	128.81
31	V1	202	PEB	CHA-C4A-NA	2.80	128.53	125.20
31	g6	201	PEB	OD-C4D-ND	-2.80	121.78	125.93
31	e2	202	PEB	C4B-C3B-C2B	-2.80	103.69	106.78
31	FI	203	PEB	C2A-C1A-NA	2.80	110.69	108.27
31	M9	302	PEB	C2A-C1A-NA	2.80	110.69	108.27
31	XI	201	PEB	OD-C4D-C3D	-2.80	123.12	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	M4	202	PEB	CHA-C1B-C2B	2.80	132.09	124.90
31	A2	305	PEB	C1B-C2B-C3B	-2.80	103.30	106.51
31	fF	202	PEB	C3B-C4B-NB	2.80	114.12	110.05
31	QK	202	PEB	CHA-C1B-NB	-2.80	119.08	124.93
31	YK	302	PEB	OD-C4D-C3D	-2.80	123.12	129.46
31	OJ	202	PEB	C1C-CHB-C4B	-2.80	125.47	128.81
31	A1	201	PEB	OD-C4D-ND	-2.80	121.79	125.93
31	hC	201	PEB	C3B-C4B-NB	2.80	114.12	110.05
31	K7	202	PEB	OD-C4D-C3D	-2.80	123.12	129.46
31	uF	202	PEB	CBA-CAA-C3A	2.80	119.69	113.47
31	WA	401	PEB	CBC-CAC-C2C	-2.80	107.85	112.62
31	TA	201	PEB	C4B-C3B-C2B	-2.80	103.69	106.78
31	N7	201	PEB	CHA-C1B-NB	-2.80	119.08	124.93
31	iB	201	PEB	CHB-C4B-NB	-2.80	124.95	128.83
32	QH	202	PUB	OA-C1A-NA	-2.80	121.79	125.93
31	e1	301	PEB	C1C-CHB-C4B	2.80	132.15	128.81
31	KA	301	PEB	CHC-C4C-C3C	-2.80	125.57	130.34
31	b8	202	PEB	C3B-C4B-NB	2.80	114.12	110.05
31	X1	203	PEB	C1B-C2B-C3B	-2.80	103.30	106.51
31	k6	202	PEB	C1B-C2B-C3B	-2.80	103.30	106.51
31	W2	202	PEB	C2A-C1A-NA	2.80	110.68	108.27
31	dB	201	PEB	CAB-CBB-CGB	-2.80	107.59	113.60
31	I7	202	PEB	CMB-C2B-C1B	2.80	129.37	125.06
31	PA	201	PEB	OD-C4D-C3D	-2.80	123.13	129.46
31	W7	202	PEB	CHB-C4B-C3B	-2.80	118.86	125.32
31	O6	201	PEB	C2B-C1B-NB	2.80	116.50	110.53
31	CF	201	PEB	CMB-C2B-C1B	2.79	129.37	125.06
31	k6	202	PEB	CMB-C2B-C1B	2.79	129.37	125.06
31	O7	202	PEB	CHA-C1B-NB	-2.79	119.09	124.93
31	KA	304	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	Y5	202	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	O9	203	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	P5	202	PEB	OD-C4D-C3D	-2.79	123.13	129.46
31	D8	203	PEB	OD-C4D-C3D	-2.79	123.13	129.46
33	l3	1001	CYC	OC-C1C-C2C	-2.79	123.95	126.17
31	U4	202	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	b8	201	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	QA	203	PEB	CMB-C2B-C1B	2.79	129.37	125.06
31	I4	201	PEB	CMB-C2B-C1B	2.79	129.37	125.06
31	BJ	202	PEB	OD-C4D-ND	-2.79	121.79	125.93
33	LC	1001	CYC	C1B-CHB-C4A	-2.79	121.25	128.08
31	ZD	203	PEB	C1B-C2B-C3B	-2.79	103.30	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MH	203	PEB	C3B-C4B-NB	2.79	114.11	110.05
31	T5	202	PEB	C3B-C4B-NB	2.79	114.11	110.05
31	JC	1002	PEB	CMB-C2B-C1B	2.79	129.37	125.06
31	c2	201	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	LH	202	PEB	O2B-CGB-CBB	2.79	123.00	114.03
31	kC	201	PEB	CAB-C3B-C4B	2.79	129.95	125.01
31	v8	202	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	I7	203	PEB	CHA-C1B-NB	-2.79	119.09	124.93
32	A4	303	PUB	OA-C1A-NA	-2.79	121.79	125.93
31	l2	203	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	RF	201	PEB	C3B-C4B-NB	2.79	114.11	110.05
31	D5	203	PEB	C2B-C1B-NB	2.79	116.49	110.53
31	kB	202	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	S9	203	PEB	OD-C4D-ND	-2.79	121.79	125.93
31	j2	203	PEB	CHC-C1D-ND	-2.79	110.70	113.95
31	YC	202	PEB	C3B-C4B-NB	2.79	114.11	110.05
31	UC	201	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	W8	203	PEB	CMB-C2B-C1B	2.79	129.36	125.06
31	D9	201	PEB	CAB-CBB-CGB	-2.79	107.60	113.60
31	PD	202	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	SJ	202	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	xF	304	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	C7	203	PEB	CHC-C1D-ND	-2.79	110.71	113.95
31	jC	203	PEB	CHC-C1D-ND	-2.79	110.71	113.95
31	U9	202	PEB	OA-C1A-C2A	-2.79	123.95	126.17
33	r3	1001	CYC	OC-C1C-C2C	-2.79	123.95	126.17
31	BA	201	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	AE	304	PEB	OD-C4D-ND	-2.79	121.80	125.93
33	FB	1001	CYC	CAB-C3B-C2B	2.79	132.30	127.53
31	U9	203	PEB	C1B-C2B-C3B	-2.79	103.30	106.51
31	MI	301	PEB	C3B-C4B-NB	2.79	114.11	110.05
31	C8	201	PEB	CMB-C2B-C1B	2.79	129.36	125.06
31	RD	202	PEB	OD-C4D-C3D	-2.79	123.14	129.46
33	FD	202	CYC	CHB-C1B-NB	-2.79	120.07	126.06
31	Q9	203	PEB	OD-C4D-ND	-2.79	121.80	125.93
31	UD	202	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	HK	201	PEB	C4B-C3B-C2B	-2.79	103.69	106.78
31	JJ	201	PEB	C2A-C1A-NA	2.79	110.68	108.27
31	g6	203	PEB	C2A-C1A-NA	2.79	110.68	108.27
31	wF	302	PEB	C2A-C1A-NA	2.79	110.68	108.27
31	OB	201	PEB	CHA-C4A-NA	2.79	128.52	125.20
31	g4	202	PEB	CHA-C4A-NA	-2.79	121.89	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y4	202	PEB	CHA-C1B-C2B	2.79	132.07	124.90
31	S7	202	PEB	CBB-CAB-C3B	-2.79	104.88	112.63
31	QI	203	PEB	CHC-C4C-C3C	-2.79	125.58	130.34
31	cE	201	PEB	C1B-C2B-C3B	-2.79	103.31	106.51
33	CB	1001	CYC	C4A-C3A-C2A	-2.79	103.31	106.51
31	FG	202	PEB	CHA-C1B-NB	-2.79	119.10	124.93
31	i4	202	PEB	C3B-C4B-NB	2.79	114.11	110.05
31	OF	202	PEB	CMB-C2B-C3B	-2.79	118.55	126.12
31	Z8	202	PEB	C1B-C2B-C3B	-2.79	103.31	106.51
31	B7	202	PEB	C2A-C1A-NA	2.79	110.68	108.27
31	sF	201	PEB	C2A-C1A-NA	2.79	110.68	108.27
31	hE	202	PEB	OD-C4D-ND	-2.79	121.80	125.93
31	KA	304	PEB	OD-C4D-C3D	-2.79	123.14	129.46
31	T4	201	PEB	CMB-C2B-C1B	2.79	129.36	125.06
31	cA	402	PEB	CMB-C2B-C1B	2.79	129.36	125.06
31	i8	203	PEB	CHC-C4C-C3C	-2.79	125.58	130.34
31	KG	202	PEB	OA-C1A-C2A	-2.79	123.96	126.17
31	M4	202	PEB	OD-C4D-C3D	-2.79	123.14	129.46
31	d2	201	PEB	OD-C4D-ND	-2.79	121.80	125.93
32	x8	301	PUB	CHA-C1B-C2B	-2.79	125.58	130.34
31	X8	202	PEB	C3B-C4B-NB	2.79	114.10	110.05
31	F8	202	PEB	CBC-CAC-C2C	2.79	117.38	112.62
31	Y9	203	PEB	C2A-C1A-NA	2.79	110.68	108.27
31	kF	201	PEB	OD-C4D-ND	-2.79	121.80	125.93
31	R5	203	PEB	OD-C4D-C3D	-2.79	123.14	129.46
31	DC	1002	PEB	C4B-C3B-C2B	-2.79	103.70	106.78
31	TG	202	PEB	OA-C1A-C2A	-2.79	123.96	126.17
33	A3	1001	CYC	OC-C1C-C2C	-2.79	123.96	126.17
31	SJ	202	PEB	CAA-C3A-C4A	2.79	119.83	112.67
31	f2	201	PEB	OD-C4D-C3D	-2.79	123.15	129.46
31	O9	201	PEB	OD-C4D-C3D	-2.79	123.15	129.46
31	D9	203	PEB	CHA-C1B-NB	-2.79	119.10	124.93
31	TB	203	PEB	CAB-CBB-CGB	2.79	119.60	113.60
33	JC	1003	CYC	C4A-C3A-C2A	-2.79	103.31	106.51
31	rF	201	PEB	C3B-C4B-NB	2.79	114.10	110.05
31	UG	201	PEB	CHC-C4C-C3C	-2.79	125.59	130.34
31	Y9	201	PEB	CHC-C4C-C3C	-2.79	125.59	130.34
31	Y1	302	PEB	C1B-C2B-C3B	-2.79	103.31	106.51
31	aD	202	PEB	C1B-C2B-C3B	-2.79	103.31	106.51
31	K4	201	PEB	C2A-C1A-NA	2.79	110.67	108.27
31	YA	201	PEB	C3B-C4B-NB	2.78	114.10	110.05
31	I4	202	PEB	C3B-C4B-NB	2.78	114.10	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	XJ	202	PEB	CHC-C4C-C3C	-2.78	125.59	130.34
31	eF	202	PEB	CAB-C3B-C4B	2.78	129.94	125.01
31	E7	202	PEB	CMB-C2B-C1B	2.78	129.35	125.06
31	HJ	203	PEB	CHA-C1B-NB	-2.78	119.11	124.93
31	i8	201	PEB	OD-C4D-C3D	-2.78	123.15	129.46
31	e8	202	PEB	CAB-C3B-C4B	2.78	129.93	125.01
31	K1	202	PEB	CMB-C2B-C1B	2.78	129.35	125.06
31	KF	202	PEB	C3B-C4B-NB	2.78	114.10	110.05
33	NC	1001	CYC	C2A-C1A-NA	2.78	114.10	110.05
31	j8	201	PEB	OD-C4D-ND	-2.78	121.81	125.93
31	A1	201	PEB	CMB-C2B-C1B	2.78	129.35	125.06
31	iF	201	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	eH	201	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	dA	201	PEB	CHA-C1B-NB	-2.78	119.11	124.93
31	J6	1002	PEB	OD-C4D-C3D	-2.78	123.16	129.46
31	P7	202	PEB	C3B-C4B-NB	2.78	114.10	110.05
31	QF	203	PEB	C4B-C3B-C2B	-2.78	103.70	106.78
31	TK	203	PEB	C1C-CHB-C4B	2.78	132.13	128.81
31	b7	503	PEB	C1C-CHB-C4B	2.78	132.13	128.81
31	d6	201	PEB	CAB-CBB-CGB	-2.78	107.61	113.60
31	u8	202	PEB	CHC-C4C-C3C	-2.78	125.59	130.34
31	SH	203	PEB	OD-C4D-C3D	-2.78	123.16	129.46
31	B1	201	PEB	OD-C4D-C3D	-2.78	123.16	129.46
33	D6	1001	CYC	CHB-C1B-NB	-2.78	120.08	126.06
31	S5	202	PEB	CAA-C3A-C4A	2.78	119.82	112.67
31	iC	201	PEB	CHB-C4B-C3B	-2.78	118.89	125.32
31	s8	203	PEB	OD-C4D-ND	-2.78	121.81	125.93
31	aH	202	PEB	OD-C4D-ND	-2.78	121.81	125.93
33	DC	1001	CYC	CHB-C4A-NA	-2.78	119.11	124.93
31	MJ	202	PEB	C4B-C3B-C2B	-2.78	103.70	106.78
31	A6	305	PEB	C4B-C3B-C2B	-2.78	103.70	106.78
31	tF	201	PEB	C4B-C3B-C2B	-2.78	103.70	106.78
31	hF	201	PEB	C1B-C2B-C3B	-2.78	103.31	106.51
31	uF	203	PEB	CHC-C1D-ND	-2.78	110.72	113.95
31	ZA	201	PEB	OD-C4D-C3D	-2.78	123.16	129.46
31	PF	202	PEB	CAB-C3B-C4B	2.78	129.93	125.01
31	FG	201	PEB	CAB-CBB-CGB	2.78	119.59	113.60
31	T6	203	PEB	CAB-CBB-CGB	2.78	119.59	113.60
31	d2	203	PEB	OD-C4D-ND	-2.78	121.81	125.93
31	cF	201	PEB	C1C-CHB-C4B	2.78	132.13	128.81
32	M9	304	PUB	C1C-C2C-C3C	-2.78	103.70	106.78
31	V6	201	PEB	C1B-C2B-C3B	-2.78	103.31	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AG	201	PEB	OA-C1A-C2A	-2.78	123.96	126.17
31	P8	202	PEB	CAB-C3B-C4B	2.78	129.93	125.01
31	T1	202	PEB	CHA-C4A-NA	2.78	128.51	125.20
31	eD	203	PEB	CMC-C3C-C2C	2.78	130.18	124.94
31	BH	301	PEB	OD-C4D-C3D	-2.78	123.16	129.46
31	l4	202	PEB	OD-C4D-C3D	-2.78	123.16	129.46
31	K1	202	PEB	C4B-C3B-C2B	-2.78	103.71	106.78
31	TK	203	PEB	C1B-C2B-C3B	-2.78	103.32	106.51
31	C7	203	PEB	CMB-C2B-C1B	2.78	129.34	125.06
32	Z9	305	PUB	OA-C1A-NA	-2.78	121.81	125.93
31	JJ	202	PEB	OD-C4D-C3D	-2.78	123.16	129.46
31	WG	201	PEB	CAB-C3B-C4B	2.78	129.93	125.01
31	QC	202	PEB	CAB-CBB-CGB	-2.78	107.62	113.60
31	U2	201	PEB	C1B-C2B-C3B	-2.78	103.32	106.51
31	H7	202	PEB	C1B-C2B-C3B	-2.78	103.32	106.51
33	M2	201	CYC	C4A-C3A-C2A	-2.78	103.32	106.51
31	QH	201	PEB	CHA-C1B-NB	-2.78	119.12	124.93
31	x8	304	PEB	CHA-C4A-NA	2.78	128.51	125.20
31	M1	202	PEB	C3B-C4B-NB	2.78	114.09	110.05
31	PJ	202	PEB	OD-C4D-C3D	-2.78	123.17	129.46
31	i8	201	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	XJ	201	PEB	C4B-C3B-C2B	-2.78	103.71	106.78
33	EC	1001	CYC	CHA-C1A-NA	-2.78	124.97	128.83
31	bF	201	PEB	C3B-C4B-NB	2.78	114.09	110.05
31	e6	203	PEB	OD-C4D-ND	-2.78	121.81	125.93
31	VF	201	PEB	CAA-C3A-C2A	-2.78	107.32	114.26
31	I5	202	PEB	CBC-CAC-C2C	2.78	117.36	112.62
31	S8	202	PEB	C1B-C2B-C3B	-2.78	103.32	106.51
31	V6	202	PEB	CAB-C3B-C4B	2.78	129.92	125.01
31	hH	201	PEB	C4B-C3B-C2B	-2.78	103.71	106.78
33	h3	1001	CYC	C1B-C2B-C3B	-2.78	104.97	107.87
31	CH	203	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	f2	202	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	fE	201	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	RG	201	PEB	OA-C1A-C2A	-2.78	123.97	126.17
31	eC	201	PEB	CHC-C4C-C3C	-2.78	125.60	130.34
31	Q6	201	PEB	OD-C4D-C3D	-2.78	123.17	129.46
31	B4	301	PEB	C3B-C4B-NB	2.78	114.09	110.05
31	aE	201	PEB	C1B-C2B-C3B	-2.78	103.32	106.51
31	sF	203	PEB	OD-C4D-ND	-2.78	121.82	125.93
31	dE	201	PEB	C4B-C3B-C2B	-2.78	103.71	106.78
32	Z9	304	PUB	C1C-C2C-C3C	-2.78	103.71	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	H4	201	PEB	CHA-C1B-NB	-2.78	119.13	124.93
31	V8	201	PEB	CAA-C3A-C2A	-2.78	107.32	114.26
31	WC	202	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	WH	202	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	S8	201	PEB	C2A-C1A-NA	2.78	110.67	108.27
31	k8	201	PEB	OD-C4D-ND	-2.78	121.82	125.93
31	dC	203	PEB	OD-C4D-ND	-2.78	121.82	125.93
31	QD	201	PEB	C1B-C2B-C3B	-2.78	103.32	106.51
31	Q5	202	PEB	C4B-C3B-C2B	-2.78	103.71	106.78
31	cC	201	PEB	C4B-C3B-C2B	-2.78	103.71	106.78
31	Z2	202	PEB	CHA-C1B-NB	-2.78	119.13	124.93
31	aB	201	PEB	CHC-C4C-C3C	-2.77	125.60	130.34
31	QJ	202	PEB	OD-C4D-C3D	-2.77	123.17	129.46
31	BK	201	PEB	OD-C4D-C3D	-2.77	123.17	129.46
31	U2	203	PEB	C2A-C1A-NA	2.77	110.67	108.27
31	m4	202	PEB	C2A-C1A-NA	2.77	110.67	108.27
31	k6	202	PEB	C2A-C1A-NA	2.77	110.67	108.27
31	PE	202	PEB	C1B-C2B-C3B	-2.77	103.32	106.51
31	BJ	201	PEB	C1B-C2B-C3B	-2.77	103.32	106.51
31	l2	202	PEB	C1B-C2B-C3B	-2.77	103.32	106.51
31	tF	201	PEB	C1B-C2B-C3B	-2.77	103.32	106.51
31	cA	403	PEB	CMC-C3C-C2C	2.77	130.17	124.94
31	HJ	201	PEB	OD-C4D-ND	-2.77	121.82	125.93
31	XK	203	PEB	CHB-C4B-C3B	-2.77	118.91	125.32
31	f6	201	PEB	CMB-C2B-C1B	2.77	129.34	125.06
31	uF	202	PEB	OD-C4D-C3D	-2.77	123.17	129.46
31	eA	201	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	bB	201	PEB	C4B-NB-C1B	-2.77	101.28	106.51
31	Y2	202	PEB	OD-C4D-ND	-2.77	121.82	125.93
31	XK	201	PEB	CMA-C2A-C1A	-2.77	106.42	112.40
31	g8	203	PEB	OA-C1A-C2A	-2.77	123.97	126.17
31	AF	202	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	Y6	203	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	UJ	201	PEB	CHC-C4C-C3C	-2.77	125.61	130.34
31	D4	202	PEB	OD-C4D-C3D	-2.77	123.18	129.46
31	k4	201	PEB	OD-C4D-ND	-2.77	121.82	125.93
31	U5	201	PEB	OD-C4D-ND	-2.77	121.82	125.93
31	KE	201	PEB	CHC-C1D-ND	-2.77	110.73	113.95
31	G8	203	PEB	CMA-C2A-C1A	-2.77	106.43	112.40
31	J8	202	PEB	CAB-C3B-C4B	2.77	129.91	125.01
31	aH	202	PEB	CAB-C3B-C4B	2.77	129.91	125.01
31	HK	201	PEB	CMB-C2B-C1B	2.77	129.33	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TJ	202	PEB	OD-C4D-C3D	-2.77	123.18	129.46
31	JI	202	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	D4	202	PEB	OD-C4D-ND	-2.77	121.82	125.93
31	h6	201	PEB	CHA-C1B-NB	-2.77	119.13	124.93
31	YB	202	PEB	CAB-C3B-C4B	2.77	129.91	125.01
31	fC	201	PEB	OD-C4D-C3D	-2.77	123.18	129.46
31	NJ	203	PEB	CHA-C1B-NB	-2.77	119.14	124.93
31	WJ	201	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	J7	201	PEB	OD-C4D-ND	-2.77	121.82	125.93
31	L6	1002	PEB	CHB-C4B-NB	-2.77	124.98	128.83
31	D5	203	PEB	CHA-C1B-NB	-2.77	119.14	124.93
31	Y7	501	PEB	CHA-C1B-NB	-2.77	119.14	124.93
31	TK	201	PEB	OD-C4D-C3D	-2.77	123.18	129.46
31	gC	201	PEB	CHC-C1D-ND	-2.77	110.73	113.95
31	D7	202	PEB	C3B-C4B-NB	2.77	114.08	110.05
33	LE	1001	CYC	C2A-C1A-NA	2.77	114.08	110.05
31	A4	301	PEB	OD-C4D-ND	-2.77	121.83	125.93
31	O1	202	PEB	C4B-C3B-C2B	-2.77	103.72	106.78
31	cB	201	PEB	C4B-C3B-C2B	-2.77	103.72	106.78
31	Q5	202	PEB	OD-C4D-C3D	-2.77	123.18	129.46
31	B7	201	PEB	CHC-C4C-C3C	-2.77	125.61	130.34
31	GH	202	PEB	OD-C4D-C3D	-2.77	123.18	129.46
31	HC	1002	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	iF	203	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	GF	203	PEB	CMA-C2A-C1A	-2.77	106.43	112.40
31	fB	201	PEB	CMB-C2B-C1B	2.77	129.33	125.06
31	l2	202	PEB	OD-C4D-C3D	-2.77	123.19	129.46
31	lC	201	PEB	OD-C4D-C3D	-2.77	123.19	129.46
31	jH	203	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	B4	301	PEB	OD-C4D-ND	-2.77	121.83	125.93
31	bB	202	PEB	CMB-C2B-C1B	2.77	129.33	125.06
31	T4	202	PEB	CHA-C4A-NA	-2.77	121.91	125.20
31	UG	202	PEB	CHC-C1D-ND	-2.77	110.73	113.95
31	Q2	202	PEB	OD-C4D-C3D	-2.77	123.19	129.46
31	b2	203	PEB	OD-C4D-C3D	-2.77	123.19	129.46
31	J5	202	PEB	OD-C4D-C3D	-2.77	123.19	129.46
31	B9	202	PEB	C1B-C2B-C3B	-2.77	103.33	106.51
31	lD	203	PEB	C1B-C2B-C3B	-2.77	103.33	106.51
33	i3	1001	CYC	OC-C1C-C2C	-2.77	123.97	126.17
31	EJ	202	PEB	CAB-CBB-CGB	-2.77	107.65	113.60
31	OF	202	PEB	CHA-C1B-C2B	2.77	132.02	124.90
31	zF	501	PEB	CHC-C1D-ND	-2.77	110.73	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VB	201	PEB	CHB-C4B-C3B	-2.77	118.93	125.32
31	E5	202	PEB	C2A-C1A-NA	2.77	110.66	108.27
31	R7	202	PEB	C2A-C1A-NA	2.77	110.66	108.27
31	IA	202	PEB	C1B-C2B-C3B	-2.77	103.33	106.51
31	NE	201	PEB	C3B-C4B-NB	2.77	114.08	110.05
31	e2	201	PEB	CMB-C2B-C1B	2.77	129.33	125.06
31	Q1	202	PEB	CHA-C1B-NB	-2.77	119.14	124.93
31	KH	203	PEB	CAA-C3A-C4A	-2.77	105.57	112.67
31	R2	201	PEB	CBA-CAA-C3A	-2.77	107.31	113.47
31	J9	203	PEB	CHA-C1B-NB	-2.77	119.14	124.93
31	mE	202	PEB	OD-C4D-ND	-2.77	121.83	125.93
31	UK	201	PEB	C3B-C4B-NB	2.77	114.07	110.05
31	H5	202	PEB	C3B-C4B-NB	2.77	114.07	110.05
31	KH	202	PEB	CMB-C2B-C1B	2.77	129.32	125.06
31	BG	201	PEB	C2B-C1B-NB	2.77	116.44	110.53
31	I4	202	PEB	OA-C1A-C2A	-2.77	123.97	126.17
31	WJ	201	PEB	OD-C4D-C3D	-2.77	123.19	129.46
31	MF	202	PEB	C1C-CHB-C4B	2.77	132.11	128.81
31	A6	301	PEB	C2A-C1A-NA	2.77	110.66	108.27
31	B7	202	PEB	CAA-C3A-C4A	-2.77	105.57	112.67
31	WD	203	PEB	CHA-C1B-NB	-2.77	119.15	124.93
31	DJ	203	PEB	C2B-C1B-NB	2.77	116.43	110.53
32	yF	303	PUB	C2C-C1C-NC	2.77	114.07	110.05
33	FE	1001	CYC	C2A-C1A-NA	2.77	114.07	110.05
31	TK	202	PEB	CHA-C4A-NA	2.77	128.49	125.20
31	F2	1002	PEB	C1B-C2B-C3B	-2.77	103.33	106.51
31	U1	201	PEB	CBB-CAB-C3B	-2.77	104.94	112.63
31	L7	202	PEB	C3B-C4B-NB	2.77	114.07	110.05
31	U2	201	PEB	C4B-C3B-C2B	-2.77	103.72	106.78
31	FH	202	PEB	CAA-C3A-C2A	-2.77	107.35	114.26
31	hD	202	PEB	OD-C4D-ND	-2.76	121.83	125.93
32	QH	202	PUB	OD-C4D-ND	-2.76	121.83	125.93
31	kF	201	PEB	CHC-C4C-C3C	-2.76	125.62	130.34
31	SG	202	PEB	OD-C4D-C3D	-2.76	123.20	129.46
31	OK	202	PEB	CHC-C1D-ND	-2.76	110.74	113.95
31	Z9	302	PEB	C2A-C1A-NA	2.76	110.66	108.27
31	BA	203	PEB	OD-C4D-C3D	-2.76	123.20	129.46
32	M9	305	PUB	C1D-CHC-C4C	-2.76	107.35	113.37
31	e2	201	PEB	CHC-C4C-C3C	-2.76	125.62	130.34
31	LK	203	PEB	C4B-C3B-C2B	-2.76	103.72	106.78
33	E2	1001	CYC	CHA-C1A-NA	-2.76	124.99	128.83
33	H2	1001	CYC	CHA-C1A-NA	-2.76	124.99	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SB	201	PEB	C3B-C4B-NB	2.76	114.07	110.05
31	C7	203	PEB	C3B-C4B-NB	2.76	114.07	110.05
31	UA	304	PEB	CBC-CAC-C2C	2.76	117.34	112.62
31	WG	203	PEB	CAA-C3A-C4A	2.76	119.77	112.67
31	f4	201	PEB	C1B-C2B-C3B	-2.76	103.33	106.51
31	CG	201	PEB	OA-C1A-C2A	-2.76	123.98	126.17
31	Q2	202	PEB	CAB-CBB-CGB	-2.76	107.66	113.60
31	SJ	202	PEB	CMB-C2B-C1B	2.76	129.32	125.06
31	K1	202	PEB	C3B-C4B-NB	2.76	114.07	110.05
31	V7	202	PEB	C3B-C4B-NB	2.76	114.07	110.05
31	T5	202	PEB	C4B-C3B-C2B	-2.76	103.72	106.78
31	LD	1002	PEB	CAC-CBC-CGC	-2.76	106.01	113.76
31	AE	304	PEB	CHC-C1D-ND	-2.76	110.74	113.95
31	E5	202	PEB	CAB-CBB-CGB	-2.76	107.66	113.60
31	YJ	202	PEB	C1B-C2B-C3B	-2.76	103.34	106.51
31	D1	203	PEB	C1B-C2B-C3B	-2.76	103.34	106.51
33	LC	1003	CYC	C4A-C3A-C2A	-2.76	103.34	106.51
32	Z9	305	PUB	C1D-CHC-C4C	-2.76	107.36	113.37
31	W9	203	PEB	OD-C4D-ND	-2.76	121.84	125.93
31	ZC	202	PEB	CHA-C1B-NB	-2.76	119.16	124.93
31	hH	202	PEB	C3B-C4B-NB	2.76	114.07	110.05
31	LE	1002	PEB	CAC-CBC-CGC	-2.76	106.02	113.76
31	R5	202	PEB	C2A-C1A-NA	2.76	110.65	108.27
33	FC	1001	CYC	C2C-C1C-NC	2.76	110.65	108.27
31	XG	201	PEB	OA-C1A-C2A	-2.76	123.98	126.17
33	N3	1001	CYC	OC-C1C-C2C	-2.76	123.98	126.17
31	DF	201	PEB	C1C-CHB-C4B	2.76	132.11	128.81
31	R6	201	PEB	C1B-C2B-C3B	-2.76	103.34	106.51
31	kE	202	PEB	OD-C4D-C3D	-2.76	123.20	129.46
31	kH	201	PEB	CAB-C3B-C4B	2.76	129.89	125.01
31	fH	201	PEB	CHA-C1B-NB	-2.76	119.16	124.93
31	T7	201	PEB	CAC-CBC-CGC	-2.76	106.02	113.76
31	QJ	202	PEB	C4B-C3B-C2B	-2.76	103.73	106.78
31	OC	201	PEB	OD-C4D-ND	-2.76	121.84	125.93
31	VF	201	PEB	OD-C4D-ND	-2.76	121.84	125.93
31	F1	203	PEB	OD-C4D-ND	-2.76	121.84	125.93
31	jE	201	PEB	OD-C4D-ND	-2.76	121.84	125.93
31	O2	201	PEB	C2A-C1A-NA	2.76	110.65	108.27
31	JA	202	PEB	CHC-C4C-C3C	2.76	135.04	130.34
31	UJ	202	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	X1	201	PEB	CMA-C2A-C1A	-2.76	106.45	112.40
31	CH	203	PEB	CAB-CBB-CGB	-2.76	107.66	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	b6	201	PEB	C4B-NB-C1B	-2.76	101.31	106.51
31	l8	201	PEB	OA-C1A-NA	2.76	128.28	124.94
31	H5	201	PEB	OD-C4D-ND	-2.76	121.84	125.93
31	mD	202	PEB	OD-C4D-ND	-2.76	121.84	125.93
32	w8	304	PUB	OA-C1A-NA	-2.76	121.84	125.93
31	MK	202	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	bE	201	PEB	CHB-C4B-NB	-2.76	125.00	128.83
33	D2	1003	CYC	C4A-C3A-C2A	-2.76	103.34	106.51
31	hB	202	PEB	CHA-C1B-NB	-2.76	119.16	124.93
33	u3	1001	CYC	C1B-C2B-C3B	-2.76	104.99	107.87
32	xF	301	PUB	CHA-C1B-C2B	-2.76	125.63	130.34
31	i8	203	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	ZC	203	PEB	OA-C1A-C2A	-2.76	123.98	126.17
31	i6	203	PEB	CBB-CAB-C3B	2.76	120.29	112.63
31	hF	202	PEB	CHA-C1B-NB	-2.76	119.16	124.93
31	PD	202	PEB	OD-C4D-C3D	-2.76	123.21	129.46
31	U7	201	PEB	C1B-C2B-C3B	-2.76	103.34	106.51
31	cD	201	PEB	C1B-C2B-C3B	-2.76	103.34	106.51
31	UK	201	PEB	CBB-CAB-C3B	-2.76	104.96	112.63
31	J6	1002	PEB	CHA-C1B-NB	-2.76	119.16	124.93
31	U5	201	PEB	CHC-C4C-C3C	-2.76	125.63	130.34
31	Q9	202	PEB	OD-C4D-C3D	-2.76	123.21	129.46
31	VJ	202	PEB	C4B-C3B-C2B	-2.76	103.73	106.78
31	X5	201	PEB	C4B-C3B-C2B	-2.76	103.73	106.78
31	Y8	201	PEB	CHC-C4C-C3C	-2.76	125.63	130.34
31	b2	203	PEB	CAA-C3A-C4A	-2.76	105.59	112.67
31	f4	203	PEB	CMB-C2B-C1B	2.76	129.31	125.06
31	G7	201	PEB	CAC-CBC-CGC	-2.76	106.03	113.76
31	PG	201	PEB	OA-C1A-C2A	-2.76	123.98	126.17
31	aB	203	PEB	OA-C1A-C2A	-2.76	123.98	126.17
31	kF	203	PEB	OD-C4D-C3D	-2.76	123.21	129.46
31	GA	202	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	A5	304	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	B7	202	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	OK	201	PEB	CHC-C1D-ND	-2.76	110.75	113.95
32	K1	203	PUB	CBB-CAB-C3B	-2.76	107.92	112.62
31	tF	202	PEB	CAC-C2C-C3C	2.76	135.17	127.25
31	gA	203	PEB	C2A-C1A-NA	2.76	110.65	108.27
31	Q2	202	PEB	CHA-C4A-NA	2.76	128.48	125.20
31	N5	203	PEB	CHA-C1B-NB	-2.76	119.17	124.93
31	mH	202	PEB	CHA-C1B-C2B	2.76	131.99	124.90
31	C4	202	PEB	OD-C4D-C3D	-2.76	123.22	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SA	201	PEB	CAB-CBB-CGB	-2.76	107.67	113.60
31	HI	201	PEB	OA-C1A-C2A	-2.76	123.98	126.17
31	VC	203	PEB	C1B-C2B-C3B	-2.76	103.34	106.51
31	b2	202	PEB	OD-C4D-ND	-2.76	121.85	125.93
32	M9	305	PUB	OA-C1A-NA	-2.76	121.85	125.93
31	g4	201	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	iH	202	PEB	C3B-C4B-NB	2.76	114.06	110.05
31	D4	202	PEB	CAB-CBB-CGB	-2.76	107.67	113.60
31	hB	201	PEB	CHA-C1B-NB	-2.76	119.17	124.93
31	LK	201	PEB	OD-C4D-ND	-2.75	121.85	125.93
31	Q2	202	PEB	OD-C4D-ND	-2.75	121.85	125.93
31	JF	202	PEB	CAB-C3B-C4B	2.75	129.88	125.01
31	FF	202	PEB	C1B-C2B-C3B	-2.75	103.34	106.51
31	GJ	202	PEB	C1B-C2B-C3B	-2.75	103.34	106.51
31	N7	202	PEB	C1B-C2B-C3B	-2.75	103.34	106.51
31	ZE	202	PEB	CMB-C2B-C1B	2.75	129.31	125.06
31	G7	203	PEB	CMB-C2B-C1B	2.75	129.31	125.06
31	XK	203	PEB	C3B-C4B-NB	2.75	114.06	110.05
31	P6	203	PEB	C3B-C4B-NB	2.75	114.06	110.05
31	AC	302	PEB	C2A-C1A-NA	2.75	110.65	108.27
31	SE	201	PEB	C2A-C1A-NA	2.75	110.65	108.27
33	E2	1001	CYC	CMB-C2B-C1B	2.75	127.61	124.17
31	RE	202	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	U9	203	PEB	C4B-C3B-C2B	-2.75	103.73	106.78
31	DK	202	PEB	OD-C4D-C3D	-2.75	123.22	129.46
31	ZE	202	PEB	CHA-C1B-NB	-2.75	119.17	124.93
31	QC	202	PEB	CHA-C4A-NA	2.75	128.48	125.20
31	FF	202	PEB	CBC-CAC-C2C	2.75	117.32	112.62
31	t8	202	PEB	OD-C4D-ND	-2.75	121.85	125.93
31	NH	201	PEB	CMB-C2B-C1B	2.75	129.30	125.06
31	J2	1002	PEB	CMB-C2B-C1B	2.75	129.30	125.06
31	RC	201	PEB	CBA-CAA-C3A	-2.75	107.34	113.47
31	M8	203	PEB	OD-C4D-C3D	-2.75	123.22	129.46
31	b8	201	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	T1	203	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	Q9	201	PEB	C4B-C3B-C2B	-2.75	103.74	106.78
31	DC	1002	PEB	OD-C4D-ND	-2.75	121.85	125.93
31	D1	202	PEB	OD-C4D-C3D	-2.75	123.22	129.46
33	F2	1001	CYC	C2A-C1A-NA	2.75	114.05	110.05
31	OI	202	PEB	OD-C4D-C3D	-2.75	123.22	129.46
31	I8	201	PEB	OD-C4D-C3D	-2.75	123.22	129.46
31	k8	201	PEB	CHC-C4C-C3C	-2.75	125.64	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W9	202	PEB	CMA-C2A-C1A	-2.75	106.47	112.40
33	JC	1001	CYC	CHB-C1B-NB	-2.75	120.15	126.06
31	F8	201	PEB	CHA-C1B-NB	-2.75	119.18	124.93
31	P2	202	PEB	C1C-CHB-C4B	2.75	132.10	128.81
31	bD	201	PEB	C2A-C1A-NA	2.75	110.64	108.27
33	F3	1001	CYC	C1B-C2B-C3B	-2.75	105.00	107.87
33	o3	1001	CYC	C1B-C2B-C3B	-2.75	105.00	107.87
31	QI	202	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	eB	202	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	dD	202	PEB	CHC-C4C-C3C	-2.75	125.64	130.34
31	ZD	201	PEB	OD-C4D-ND	-2.75	121.86	125.93
31	a4	204	PEB	CHB-C4B-NB	-2.75	125.01	128.83
31	jE	202	PEB	CBC-CAC-C2C	-2.75	107.93	112.62
31	PE	201	PEB	CAC-C2C-C3C	2.75	135.15	127.25
31	HI	203	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	kF	203	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	B9	203	PEB	OD-C4D-C3D	-2.75	123.23	129.46
31	KA	304	PEB	OD-C4D-ND	-2.75	121.86	125.93
31	h2	202	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	S4	202	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	kC	201	PEB	CHC-C1D-ND	-2.75	110.75	113.95
31	SH	201	PEB	OD-C4D-C3D	-2.75	123.23	129.46
31	E1	202	PEB	OD-C4D-C3D	-2.75	123.23	129.46
31	W5	201	PEB	OD-C4D-C3D	-2.75	123.23	129.46
31	IH	202	PEB	CAB-C3B-C4B	2.75	129.87	125.01
31	FB	1002	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	F5	202	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	VF	202	PEB	C4B-NB-C1B	-2.75	101.33	106.51
31	TD	201	PEB	CHB-C4B-NB	-2.75	125.01	128.83
31	iC	201	PEB	CHB-C4B-NB	-2.75	125.01	128.83
31	XF	201	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	TH	202	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	iE	202	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	FG	201	PEB	CHA-C1B-NB	-2.75	119.18	124.93
31	N2	1002	PEB	OD-C4D-C3D	-2.75	123.23	129.46
31	L5	201	PEB	CMB-C2B-C1B	2.75	129.30	125.06
31	u8	202	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
33	I2	201	CYC	C4A-C3A-C2A	-2.75	103.35	106.51
31	IH	202	PEB	CHA-C4A-NA	2.75	128.47	125.20
31	J1	203	PEB	CHA-C4A-NA	-2.75	121.94	125.20
31	TJ	202	PEB	C4B-C3B-C2B	-2.75	103.74	106.78
31	L1	201	PEB	C4B-C3B-C2B	-2.75	103.74	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y8	203	PEB	C4B-C3B-C2B	-2.75	103.74	106.78
31	VC	202	PEB	OD-C4D-ND	-2.75	121.86	125.93
31	C8	202	PEB	CHC-C1D-ND	-2.75	110.76	113.95
31	VE	201	PEB	CHC-C4C-C3C	-2.75	125.65	130.34
31	UD	202	PEB	C3B-C4B-NB	2.75	114.05	110.05
31	NF	201	PEB	C3B-C4B-NB	2.75	114.05	110.05
32	AH	303	PUB	C2C-C1C-NC	2.75	114.05	110.05
31	WI	203	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	N5	204	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	RH	202	PEB	O2B-CGB-CBB	2.75	122.86	114.03
31	Q2	203	PEB	OD-C4D-ND	-2.75	121.86	125.93
31	fB	202	PEB	CHA-C1B-NB	-2.75	119.19	124.93
33	f3	1001	CYC	C1B-C2B-C3B	-2.75	105.00	107.87
31	O9	201	PEB	CAB-C3B-C4B	2.75	129.87	125.01
31	JC	1002	PEB	CHC-C4C-C3C	-2.75	125.65	130.34
31	PK	201	PEB	CBC-CAC-C2C	-2.75	107.93	112.62
31	jD	202	PEB	OD-C4D-C3D	-2.75	123.24	129.46
31	DJ	203	PEB	CHA-C1B-NB	-2.75	119.19	124.93
31	V2	203	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	gD	202	PEB	C1B-C2B-C3B	-2.75	103.35	106.51
31	lB	202	PEB	CMB-C2B-C1B	2.75	129.29	125.06
31	hH	201	PEB	CMB-C2B-C1B	2.75	129.29	125.06
31	lD	202	PEB	C4B-C3B-C2B	-2.75	103.74	106.78
31	X1	203	PEB	C3B-C4B-NB	2.75	114.04	110.05
31	b2	201	PEB	C3B-C4B-NB	2.75	114.04	110.05
31	X8	203	PEB	CAA-C3A-C4A	-2.75	105.62	112.67
31	TB	202	PEB	OD-C4D-C3D	-2.75	123.24	129.46
31	NJ	202	PEB	OD-C4D-C3D	-2.75	123.24	129.46
31	c4	201	PEB	OD-C4D-C3D	-2.75	123.24	129.46
31	aC	202	PEB	OD-C4D-C3D	-2.75	123.24	129.46
31	VJ	202	PEB	CMB-C2B-C1B	2.75	129.29	125.06
31	u8	201	PEB	OD-C4D-ND	-2.75	121.86	125.93
31	fB	201	PEB	C2B-C1B-NB	2.75	116.39	110.53
31	ZI	304	PEB	OD-C4D-C3D	-2.75	123.24	129.46
31	hD	202	PEB	OD-C4D-C3D	-2.75	123.24	129.46
31	UC	201	PEB	CHB-C4B-NB	-2.75	125.02	128.83
31	D6	1002	PEB	C3B-C4B-NB	2.75	114.04	110.05
31	iF	202	PEB	OA-C1A-C2A	-2.75	123.99	126.17
31	O8	203	PEB	CHC-C4C-C3C	-2.74	125.66	130.34
31	i6	201	PEB	CHB-C4B-NB	-2.74	125.02	128.83
31	gA	201	PEB	OD-C4D-C3D	-2.74	123.24	129.46
31	KF	202	PEB	OD-C4D-ND	-2.74	121.86	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AD	304	PEB	CHC-C1D-ND	-2.74	110.76	113.95
31	L9	202	PEB	C2A-C1A-NA	2.74	110.64	108.27
31	LC	1002	PEB	CHA-C4A-NA	2.74	128.47	125.20
31	dD	201	PEB	C3B-C4B-NB	2.74	114.04	110.05
31	jH	202	PEB	C3B-C4B-NB	2.74	114.04	110.05
31	O6	201	PEB	OA-C1A-C2A	-2.74	123.99	126.17
31	V5	202	PEB	CMB-C2B-C1B	2.74	129.29	125.06
31	YE	202	PEB	OD-C4D-C3D	-2.74	123.24	129.46
31	c6	201	PEB	C4B-C3B-C2B	-2.74	103.75	106.78
31	a6	201	PEB	CHC-C4C-C3C	-2.74	125.66	130.34
31	TK	201	PEB	CMA-C2A-C1A	-2.74	106.49	112.40
31	jH	202	PEB	CMB-C2B-C1B	2.74	129.29	125.06
33	w3	1001	CYC	C1B-C2B-C3B	-2.74	105.01	107.87
31	MI	305	PEB	OD-C4D-C3D	-2.74	123.24	129.46
31	aH	202	PEB	OD-C4D-C3D	-2.74	123.24	129.46
31	P4	202	PEB	CAB-C3B-C4B	2.74	129.86	125.01
31	x8	304	PEB	CAB-C3B-C4B	2.74	129.86	125.01
31	BI	201	PEB	C2A-C1A-NA	2.74	110.64	108.27
31	RK	203	PEB	C2A-C1A-NA	2.74	110.64	108.27
31	OD	201	PEB	C1B-C2B-C3B	-2.74	103.36	106.51
31	uF	201	PEB	C1B-C2B-C3B	-2.74	103.36	106.51
31	L9	201	PEB	CAB-CBB-CGB	-2.74	107.70	113.60
31	UD	203	PEB	OA-C1A-C2A	-2.74	123.99	126.17
31	VG	201	PEB	OA-C1A-C2A	-2.74	123.99	126.17
31	S4	202	PEB	CBC-CAC-C2C	-2.74	107.94	112.62
31	iH	202	PEB	C4B-C3B-C2B	-2.74	103.75	106.78
31	JG	202	PEB	OD-C4D-ND	-2.74	121.87	125.93
31	H1	201	PEB	CMB-C2B-C1B	2.74	129.29	125.06
31	SD	201	PEB	C2A-C1A-NA	2.74	110.64	108.27
31	Q4	204	PEB	C3B-C4B-NB	2.74	114.04	110.05
31	JA	201	PEB	C4B-C3B-C2B	-2.74	103.75	106.78
31	JK	203	PEB	CHA-C4A-NA	-2.74	121.94	125.20
31	YD	202	PEB	OD-C4D-C3D	-2.74	123.25	129.46
31	L7	201	PEB	C1B-C2B-C3B	-2.74	103.36	106.51
31	J9	201	PEB	C1B-C2B-C3B	-2.74	103.36	106.51
31	IJ	202	PEB	CBC-CAC-C2C	2.74	117.30	112.62
31	TF	201	PEB	CHA-C1B-NB	-2.74	119.20	124.93
31	XF	203	PEB	CAA-C3A-C4A	-2.74	105.64	112.67
31	VD	201	PEB	CHC-C4C-C3C	-2.74	125.66	130.34
33	73	1002	CYC	OC-C1C-C2C	-2.74	123.99	126.17
31	HK	203	PEB	OD-C4D-C3D	-2.74	123.25	129.46
31	GH	201	PEB	CMA-C2A-C1A	-2.74	106.50	112.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	P8	202	PEB	CHC-C4C-C3C	2.74	135.01	130.34
31	HH	202	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	H2	1002	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	aB	202	PEB	OD-C4D-C3D	-2.74	123.25	129.46
31	oF	202	PEB	C1B-C2B-C3B	-2.74	103.36	106.51
31	M7	201	PEB	CHA-C1B-NB	-2.74	119.20	124.93
33	CE	1001	CYC	CHB-C1B-NB	-2.74	120.18	126.06
31	SH	202	PEB	OD-C4D-ND	-2.74	121.87	125.93
31	jF	201	PEB	OD-C4D-ND	-2.74	121.87	125.93
31	S9	203	PEB	CHA-C1B-NB	-2.74	119.20	124.93
31	i6	203	PEB	OA-C1A-C2A	-2.74	124.00	126.17
31	V8	201	PEB	CAB-CBB-CGB	-2.74	107.71	113.60
31	T8	201	PEB	CHA-C1B-NB	-2.74	119.20	124.93
31	QG	201	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	fC	202	PEB	C2A-C1A-NA	2.74	110.63	108.27
33	HD	1001	CYC	C1A-C2A-C3A	-2.74	103.75	106.78
31	VB	202	PEB	CAB-C3B-C4B	2.74	129.85	125.01
33	BD	1002	CYC	CBD-CAD-C3D	2.74	117.29	112.62
31	NG	202	PEB	OD-C4D-C3D	-2.74	123.26	129.46
31	CA	201	PEB	C1B-C2B-C3B	-2.74	103.36	106.51
32	yF	302	PUB	OA-C1A-NA	-2.74	121.87	125.93
31	FK	203	PEB	CHC-C4C-C3C	-2.74	125.67	130.34
31	QC	202	PEB	OD-C4D-C3D	-2.74	123.26	129.46
31	F1	203	PEB	CAA-C3A-C4A	-2.74	105.64	112.67
31	DB	1002	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	U1	201	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	u8	201	PEB	OD-C4D-C3D	-2.74	123.26	129.46
31	R8	201	PEB	C1B-C2B-C3B	-2.74	103.36	106.51
33	DB	1001	CYC	CHB-C1B-NB	-2.74	120.18	126.06
31	TC	201	PEB	OA-C1A-C2A	-2.74	124.00	126.17
31	JI	201	PEB	OA-C1A-C2A	-2.74	124.00	126.17
31	XK	203	PEB	OA-C1A-C2A	-2.74	124.00	126.17
31	VF	201	PEB	CAB-CBB-CGB	-2.74	107.71	113.60
31	c8	201	PEB	C1C-CHB-C4B	2.74	132.08	128.81
31	XJ	202	PEB	CMB-C2B-C1B	2.74	129.28	125.06
31	b2	201	PEB	C1B-C2B-C3B	-2.74	103.37	106.51
31	lE	202	PEB	CAB-CBB-CGB	-2.74	107.72	113.60
31	YB	203	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	N2	1002	PEB	OD-C4D-ND	-2.74	121.88	125.93
31	BJ	203	PEB	CMB-C2B-C1B	2.74	129.28	125.06
31	XG	202	PEB	OD-C4D-C3D	-2.74	123.26	129.46
31	BJ	201	PEB	OD-C4D-C3D	-2.74	123.26	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PA	201	PEB	C1B-C2B-C3B	-2.74	103.37	106.51
31	YK	302	PEB	C1B-C2B-C3B	-2.74	103.37	106.51
31	AB	301	PEB	CHA-C1B-NB	-2.74	119.21	124.93
31	BJ	203	PEB	CBC-CAC-C2C	2.74	117.29	112.62
31	X1	203	PEB	CHB-C4B-C3B	-2.74	119.00	125.32
31	V6	201	PEB	CHB-C4B-C3B	-2.74	119.00	125.32
31	QC	201	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	xF	303	PEB	C3B-C4B-NB	2.74	114.03	110.05
31	gC	201	PEB	CMB-C2B-C1B	2.74	129.28	125.06
31	Y7	501	PEB	CHA-C4A-NA	2.74	128.46	125.20
31	H4	202	PEB	CBC-CAC-C2C	-2.73	107.95	112.62
31	k8	203	PEB	C1B-C2B-C3B	-2.73	103.37	106.51
33	DC	1003	CYC	C4A-C3A-C2A	-2.73	103.37	106.51
31	Y9	201	PEB	OD-C4D-ND	-2.73	121.88	125.93
31	B4	301	PEB	CAC-CBC-CGC	-2.73	106.09	113.76
31	BI	203	PEB	CHC-C4C-C3C	-2.73	125.67	130.34
31	rF	202	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	Z9	301	PEB	CAA-C3A-C4A	-2.73	105.65	112.67
31	RA	202	PEB	CHB-C4B-NB	-2.73	125.03	128.83
31	hH	203	PEB	CHA-C1B-NB	-2.73	119.21	124.93
31	B8	201	PEB	C3B-C4B-NB	2.73	114.03	110.05
31	V5	202	PEB	C4B-C3B-C2B	-2.73	103.76	106.78
31	eF	203	PEB	C4B-C3B-C2B	-2.73	103.76	106.78
31	cH	201	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	VB	201	PEB	C1B-C2B-C3B	-2.73	103.37	106.51
31	u8	202	PEB	CHC-C1D-ND	-2.73	110.77	113.95
31	RJ	203	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	QI	203	PEB	C3B-C4B-NB	2.73	114.03	110.05
31	V2	202	PEB	OD-C4D-ND	-2.73	121.88	125.93
31	LF	202	PEB	C4B-C3B-C2B	-2.73	103.76	106.78
31	DC	1002	PEB	C2A-C1A-NA	2.73	110.63	108.27
31	OG	203	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	H1	203	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	K4	201	PEB	CAA-C3A-C2A	-2.73	107.43	114.26
31	TA	202	PEB	CHC-C4C-C3C	2.73	135.00	130.34
31	RE	202	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	TG	203	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	XA	202	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	GG	203	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	Y5	202	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	ZA	201	PEB	OD-C4D-ND	-2.73	121.88	125.93
31	YD	202	PEB	OD-C4D-ND	-2.73	121.88	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	l6	202	PEB	CMB-C2B-C1B	2.73	129.27	125.06
31	NJ	203	PEB	CHC-C4C-C3C	-2.73	125.68	130.34
31	BA	202	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	QJ	201	PEB	CHA-C1B-NB	-2.73	119.22	124.93
31	fE	203	PEB	CHA-C1B-NB	-2.73	119.22	124.93
31	K5	202	PEB	C1B-C2B-C3B	-2.73	103.37	106.51
31	t8	203	PEB	C1B-C2B-C3B	-2.73	103.37	106.51
31	XH	201	PEB	CAB-CBB-CGB	-2.73	107.73	113.60
31	T1	201	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	hE	202	PEB	OD-C4D-C3D	-2.73	123.27	129.46
31	O9	203	PEB	C1C-CHB-C4B	-2.73	125.55	128.81
31	ZB	201	PEB	OA-C1A-NA	2.73	128.25	124.94
31	SI	202	PEB	OD-C4D-ND	-2.73	121.89	125.93
31	l4	202	PEB	C3B-C4B-NB	2.73	114.02	110.05
31	aD	201	PEB	C1B-C2B-C3B	-2.73	103.37	106.51
31	DJ	202	PEB	C4B-C3B-C2B	-2.73	103.76	106.78
32	xF	306	PUB	CHB-C1C-C2C	-2.73	119.01	125.32
31	T1	201	PEB	CMA-C2A-C1A	-2.73	106.52	112.40
31	N1	201	PEB	CHA-C4A-NA	2.73	128.45	125.20
31	xF	304	PEB	CAB-C3B-C4B	2.73	129.84	125.01
31	V4	202	PEB	C3B-C4B-NB	2.73	114.02	110.05
31	BI	202	PEB	C2A-C1A-NA	2.73	110.63	108.27
31	iD	201	PEB	C2A-C1A-NA	2.73	110.63	108.27
31	jD	202	PEB	C2A-C1A-NA	2.73	110.63	108.27
31	P6	201	PEB	C1B-C2B-C3B	-2.73	103.37	106.51
33	L3	1001	CYC	CHA-C1A-NA	-2.73	125.04	128.83
31	VG	202	PEB	OD-C4D-C3D	-2.73	123.28	129.46
31	MH	203	PEB	CMC-C3C-C2C	2.73	130.09	124.94
31	iB	203	PEB	CBB-CAB-C3B	2.73	120.21	112.63
31	b2	201	PEB	CHA-C1B-NB	-2.73	119.22	124.93
31	NG	203	PEB	CHA-C1B-C2B	2.73	131.92	124.90
31	DH	202	PEB	CMB-C2B-C1B	2.73	129.27	125.06
31	c4	201	PEB	C1B-C2B-C3B	-2.73	103.38	106.51
31	F8	202	PEB	C1B-C2B-C3B	-2.73	103.38	106.51
31	QC	203	PEB	OD-C4D-ND	-2.73	121.89	125.93
31	WE	201	PEB	OD-C4D-ND	-2.73	121.89	125.93
31	e6	203	PEB	OD-C4D-C3D	-2.73	123.28	129.46
31	OK	202	PEB	C4B-C3B-C2B	-2.73	103.76	106.78
31	H9	201	PEB	C3B-C4B-NB	2.73	114.02	110.05
31	i2	201	PEB	CHB-C4B-NB	-2.73	125.04	128.83
31	I7	202	PEB	CHB-C4B-C3B	-2.73	119.02	125.32
31	gH	202	PEB	CHA-C1B-NB	-2.73	119.23	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	J6	1001	CYC	CHB-C1B-NB	-2.73	120.20	126.06
31	J6	1002	PEB	OD-C4D-ND	-2.73	121.89	125.93
31	JJ	202	PEB	C2A-C1A-NA	2.73	110.62	108.27
31	V8	202	PEB	C4B-NB-C1B	-2.73	101.37	106.51
31	k4	202	PEB	C3B-C4B-NB	2.73	114.02	110.05
31	x8	303	PEB	C3B-C4B-NB	2.73	114.02	110.05
33	w3	1001	CYC	CHA-C1A-NA	-2.73	125.04	128.83
31	TG	201	PEB	OD-C4D-ND	-2.73	121.89	125.93
31	FK	201	PEB	C3B-C4B-NB	2.73	114.02	110.05
31	m4	201	PEB	C3B-C4B-NB	2.73	114.02	110.05
31	gA	203	PEB	OD-C4D-C3D	-2.73	123.28	129.46
33	JB	1001	CYC	CHB-C1B-NB	-2.73	120.20	126.06
31	M9	301	PEB	CAA-C3A-C4A	-2.73	105.67	112.67
31	n8	202	PEB	CMB-C2B-C1B	2.73	129.26	125.06
31	JB	1002	PEB	CHA-C1B-NB	-2.73	119.23	124.93
31	S8	203	PEB	CHA-C1B-NB	-2.73	119.23	124.93
31	YC	202	PEB	OD-C4D-ND	-2.73	121.89	125.93
31	CJ	201	PEB	C3B-C4B-NB	2.73	114.01	110.05
31	ID	203	PEB	C3B-C4B-NB	2.73	114.01	110.05
31	AB	305	PEB	OD-C4D-C3D	-2.73	123.28	129.46
31	OG	202	PEB	C2B-C1B-NB	2.73	116.35	110.53
31	DH	201	PEB	OD-C4D-ND	-2.73	121.89	125.93
31	NA	202	PEB	C1B-C2B-C3B	-2.73	103.38	106.51
31	CG	202	PEB	OD-C4D-C3D	-2.72	123.29	129.46
31	Y4	202	PEB	OD-C4D-C3D	-2.72	123.29	129.46
31	gA	201	PEB	CHA-C1B-NB	-2.72	119.23	124.93
33	BE	1002	CYC	CBD-CAD-C3D	2.72	117.27	112.62
31	u8	202	PEB	C1C-CHB-C4B	-2.72	125.55	128.81
31	RC	201	PEB	OD-C4D-C3D	-2.72	123.29	129.46
31	h6	202	PEB	CHA-C1B-NB	-2.72	119.23	124.93
31	QD	201	PEB	CBC-CAC-C2C	2.72	117.27	112.62
31	PD	201	PEB	CAC-C2C-C3C	2.72	135.07	127.25
32	x8	306	PUB	CHB-C1C-C2C	-2.72	119.03	125.32
31	jH	202	PEB	C4B-C3B-C2B	-2.72	103.77	106.78
31	KA	301	PEB	CMC-C3C-C2C	2.72	130.08	124.94
31	FK	203	PEB	CHA-C1B-NB	-2.72	119.24	124.93
31	cA	401	PEB	CMB-C2B-C1B	2.72	129.26	125.06
33	M3	1001	CYC	C1B-C2B-C3B	-2.72	105.03	107.87
31	FK	203	PEB	OD-C4D-ND	-2.72	121.90	125.93
31	tF	202	PEB	OD-C4D-ND	-2.72	121.90	125.93
31	A6	301	PEB	CHA-C1B-NB	-2.72	119.24	124.93
31	E7	203	PEB	CHA-C1B-NB	-2.72	119.24	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BF	201	PEB	C3B-C4B-NB	2.72	114.01	110.05
31	AJ	304	PEB	C3B-C4B-NB	2.72	114.01	110.05
31	X1	203	PEB	OA-C1A-C2A	-2.72	124.01	126.17
31	EG	202	PEB	OD-C4D-C3D	-2.72	123.29	129.46
31	dE	203	PEB	CAB-CBB-CGB	-2.72	107.74	113.60
31	L1	202	PEB	CHB-C4B-NB	-2.72	125.05	128.83
33	EC	1001	CYC	CMB-C2B-C1B	2.72	127.57	124.17
31	J5	202	PEB	C2A-C1A-NA	2.72	110.62	108.27
31	B5	203	PEB	CBC-CAC-C2C	2.72	117.27	112.62
31	WA	401	PEB	C1B-C2B-C3B	-2.72	103.38	106.51
31	XF	201	PEB	CAB-C3B-C4B	2.72	129.82	125.01
31	hH	202	PEB	CAB-C3B-C4B	2.72	129.82	125.01
31	lC	202	PEB	OD-C4D-ND	-2.72	121.90	125.93
31	Y7	501	PEB	CAB-CBB-CGB	-2.72	107.75	113.60
31	C4	202	PEB	C1B-C2B-C3B	-2.72	103.38	106.51
31	bC	201	PEB	C1B-C2B-C3B	-2.72	103.38	106.51
33	n3	1001	CYC	C1B-C2B-C3B	-2.72	105.03	107.87
31	YC	202	PEB	CHC-C4C-C3C	-2.72	125.69	130.34
31	ZD	202	PEB	CMB-C2B-C1B	2.72	129.25	125.06
31	FI	202	PEB	CMB-C2B-C1B	2.72	129.25	125.06
31	g8	202	PEB	CMB-C2B-C1B	2.72	129.25	125.06
31	D8	201	PEB	C1C-CHB-C4B	2.72	132.06	128.81
31	gA	202	PEB	C1C-CHB-C4B	-2.72	125.56	128.81
31	RG	202	PEB	OD-C4D-C3D	-2.72	123.29	129.46
31	J9	203	PEB	OD-C4D-C3D	-2.72	123.29	129.46
31	z8	501	PEB	CHC-C1D-ND	-2.72	110.79	113.95
31	Y9	201	PEB	C4B-C3B-C2B	-2.72	103.77	106.78
33	MD	1001	CYC	CMB-C2B-C1B	2.72	127.56	124.17
31	X4	202	PEB	CHA-C1B-NB	-2.72	119.24	124.93
31	ND	201	PEB	C3B-C4B-NB	2.72	114.01	110.05
31	V2	201	PEB	C1B-C2B-C3B	-2.72	103.39	106.51
31	TE	201	PEB	CHB-C4B-NB	-2.72	125.05	128.83
31	DA	201	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	AG	202	PEB	OD-C4D-C3D	-2.72	123.30	129.46
33	S3	1001	CYC	C1B-C2B-C3B	-2.72	105.03	107.87
31	l4	203	PEB	C3B-C4B-NB	2.72	114.00	110.05
31	S6	202	PEB	C4B-C3B-C2B	-2.72	103.77	106.78
31	cF	201	PEB	OA-C1A-C2A	-2.72	124.01	126.17
31	F9	202	PEB	CAB-C3B-C4B	2.72	129.82	125.01
31	w8	302	PEB	C2A-C1A-NA	2.72	110.62	108.27
31	UG	201	PEB	C1B-C2B-C3B	-2.72	103.39	106.51
31	J5	201	PEB	C1B-C2B-C3B	-2.72	103.39	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N7	201	PEB	C1B-C2B-C3B	-2.72	103.39	106.51
31	OH	201	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	IG	203	PEB	C2B-C1B-NB	2.72	116.33	110.53
31	BF	202	PEB	C4B-C3B-C2B	-2.72	103.77	106.78
31	gC	201	PEB	C4B-C3B-C2B	-2.72	103.77	106.78
31	O6	201	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	V8	201	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	fE	201	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	U5	201	PEB	CHA-C4A-NA	2.72	128.44	125.20
31	O7	201	PEB	CMB-C2B-C1B	2.72	129.25	125.06
31	S8	202	PEB	C3B-C4B-NB	2.72	114.00	110.05
31	S5	202	PEB	CHC-C4C-C3C	-2.72	125.70	130.34
31	O7	202	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	eC	203	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	OC	201	PEB	CBC-CAC-C2C	-2.72	107.98	112.62
33	D3	1001	CYC	C1B-C2B-C3B	-2.72	105.03	107.87
33	FC	1001	CYC	C1A-C2A-C3A	-2.72	103.78	106.78
33	J2	1001	CYC	CHA-C1A-NA	-2.72	125.06	128.83
31	aH	204	PEB	OD-C4D-C3D	-2.72	123.30	129.46
33	FD	201	CYC	C2A-C1A-NA	2.72	114.00	110.05
31	B5	201	PEB	OD-C4D-C3D	-2.72	123.30	129.46
31	RA	201	PEB	OD-C4D-ND	-2.72	121.91	125.93
31	H9	203	PEB	OD-C4D-ND	-2.72	121.91	125.93
31	O1	202	PEB	CHC-C1D-ND	-2.72	110.79	113.95
32	AD	302	PUB	CHA-C4A-NA	-2.72	110.79	113.95
31	l4	201	PEB	CMB-C2B-C1B	2.72	129.25	125.06
31	E1	202	PEB	CHA-C1B-NB	-2.72	119.25	124.93
31	YK	302	PEB	C3B-C4B-NB	2.72	114.00	110.05
31	g2	201	PEB	CHB-C4B-C3B	-2.72	119.04	125.32
31	g2	201	PEB	C4B-C3B-C2B	-2.72	103.78	106.78
31	d6	201	PEB	C4B-C3B-C2B	-2.72	103.78	106.78
31	I7	202	PEB	C4B-C3B-C2B	-2.72	103.78	106.78
31	R7	201	PEB	CBC-CAC-C2C	-2.72	107.98	112.62
31	BA	202	PEB	OD-C4D-ND	-2.72	121.91	125.93
31	EK	202	PEB	CHA-C1B-NB	-2.72	119.25	124.93
31	F8	202	PEB	CHA-C1B-NB	-2.72	119.25	124.93
31	P6	202	PEB	C1B-C2B-C3B	-2.72	103.39	106.51
31	gE	202	PEB	C1B-C2B-C3B	-2.72	103.39	106.51
31	d8	202	PEB	OD-C4D-C3D	-2.72	123.31	129.46
31	SI	202	PEB	C3B-C4B-NB	2.72	114.00	110.05
31	s8	202	PEB	C4B-C3B-C2B	-2.72	103.78	106.78
31	jB	202	PEB	C4B-C3B-C2B	-2.72	103.78	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	eD	203	PEB	C4B-C3B-C2B	-2.72	103.78	106.78
31	qF	201	PEB	C4B-C3B-C2B	-2.72	103.78	106.78
33	H3	1001	CYC	C1B-C2B-C3B	-2.72	105.04	107.87
33	q3	1001	CYC	C1B-C2B-C3B	-2.72	105.04	107.87
31	hC	201	PEB	OD-C4D-ND	-2.72	121.91	125.93
31	gC	201	PEB	C1B-C2B-C3B	-2.72	103.39	106.51
31	BA	203	PEB	CAC-CBC-CGC	-2.72	106.15	113.76
31	ZD	203	PEB	CAC-CBC-CGC	-2.72	106.15	113.76
31	XJ	202	PEB	OD-C4D-ND	-2.72	121.91	125.93
31	D5	203	PEB	C1C-CHB-C4B	2.71	132.05	128.81
33	l3	1001	CYC	CBC-CAC-C3C	2.71	119.51	113.47
31	RB	201	PEB	C1B-C2B-C3B	-2.71	103.39	106.51
31	T5	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	a6	203	PEB	CBB-CAB-C3B	2.71	120.17	112.63
31	A8	202	PEB	C3B-C4B-NB	2.71	114.00	110.05
31	T6	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	OC	203	PEB	CHA-C1B-NB	-2.71	119.26	124.93
33	73	1002	CYC	CHA-C1A-NA	-2.71	125.06	128.83
31	YE	202	PEB	OD-C4D-ND	-2.71	121.91	125.93
31	YJ	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	GF	203	PEB	C2A-C1A-NA	2.71	110.61	108.27
33	F3	1001	CYC	CHA-C1A-NA	-2.71	125.06	128.83
31	LG	201	PEB	C4B-C3B-C2B	-2.71	103.78	106.78
31	IG	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	H5	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	a6	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	kF	202	PEB	C1B-C2B-C3B	-2.71	103.39	106.51
31	iC	201	PEB	OA-C1A-C2A	-2.71	124.02	126.17
31	J5	201	PEB	C3B-C4B-NB	2.71	114.00	110.05
31	PG	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	EK	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	ZD	202	PEB	CHA-C1B-NB	-2.71	119.26	124.93
31	uF	203	PEB	C1C-CHB-C4B	-2.71	125.57	128.81
31	L4	202	PEB	O2B-CGB-CBB	2.71	122.74	114.03
31	BH	301	PEB	C4B-C3B-C2B	-2.71	103.78	106.78
31	eF	201	PEB	C4B-C3B-C2B	-2.71	103.78	106.78
31	a2	202	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	A6	305	PEB	OD-C4D-C3D	-2.71	123.31	129.46
31	fD	203	PEB	CHA-C1B-NB	-2.71	119.26	124.93
31	MA	201	PEB	C3B-C4B-NB	2.71	113.99	110.05
31	W5	201	PEB	C3B-C4B-NB	2.71	113.99	110.05
31	QH	204	PEB	CBC-CAC-C2C	-2.71	107.99	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	L9	201	PEB	CHC-C4C-C3C	-2.71	125.71	130.34
33	T3	1001	CYC	CBC-CAC-C3C	2.71	119.50	113.47
31	MH	202	PEB	OD-C4D-C3D	-2.71	123.32	129.46
31	SF	202	PEB	C3B-C4B-NB	2.71	113.99	110.05
33	N2	1001	CYC	C2A-C1A-NA	2.71	113.99	110.05
31	dD	203	PEB	CAB-C3B-C4B	2.71	129.81	125.01
31	UC	201	PEB	C1B-C2B-C3B	-2.71	103.39	106.51
33	Q3	1001	CYC	C1B-C2B-C3B	-2.71	105.04	107.87
31	RJ	202	PEB	C2A-C1A-NA	2.71	110.61	108.27
31	A2	302	PEB	C2A-C1A-NA	2.71	110.61	108.27
31	fC	201	PEB	CHA-C1B-NB	-2.71	119.26	124.93
31	DJ	203	PEB	C1C-CHB-C4B	2.71	132.05	128.81
31	MF	203	PEB	OD-C4D-C3D	-2.71	123.32	129.46
33	73	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
31	WB	201	PEB	OD-C4D-ND	-2.71	121.92	125.93
31	QE	201	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	R2	201	PEB	OD-C4D-C3D	-2.71	123.32	129.46
31	I7	201	PEB	OD-C4D-C3D	-2.71	123.32	129.46
31	r8	202	PEB	OD-C4D-C3D	-2.71	123.32	129.46
31	xF	304	PEB	C3B-C4B-NB	2.71	113.99	110.05
33	MD	1001	CYC	CBC-CAC-C3C	-2.71	107.43	113.47
32	Q4	202	PUB	OA-C1A-NA	-2.71	121.92	125.93
33	GD	201	CYC	CHA-C1A-NA	-2.71	125.07	128.83
31	j2	201	PEB	CAB-CBB-CGB	-2.71	107.77	113.60
31	lE	203	PEB	CBC-CAC-C2C	-2.71	108.00	112.62
31	cA	403	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	WE	203	PEB	CHA-C1B-NB	-2.71	119.27	124.93
31	kF	203	PEB	OA-C1A-C2A	-2.71	124.02	126.17
31	M8	202	PEB	C1C-CHB-C4B	2.71	132.04	128.81
33	M3	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
33	f3	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
33	h3	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
31	R1	202	PEB	C2B-C1B-NB	2.71	116.31	110.53
31	jC	201	PEB	CAB-CBB-CGB	-2.71	107.77	113.60
31	VC	201	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	h8	201	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	OK	201	PEB	CMA-C2A-C1A	-2.71	106.56	112.40
31	b2	202	PEB	CHA-C4A-NA	-2.71	121.98	125.20
33	u3	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
31	Q9	202	PEB	CBA-CAA-C3A	-2.71	107.44	113.47
33	ME	1001	CYC	CBC-CAC-C3C	-2.71	107.44	113.47
31	QE	201	PEB	CBC-CAC-C2C	2.71	117.24	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	F1	202	PEB	C3B-C4B-NB	2.71	113.99	110.05
31	ZE	203	PEB	CAC-CBC-CGC	-2.71	106.17	113.76
31	V8	202	PEB	C4B-C3B-C2B	-2.71	103.79	106.78
31	FJ	202	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	J9	202	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
33	HC	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
31	jE	202	PEB	C2A-C1A-NA	2.71	110.61	108.27
31	mD	201	PEB	CHA-C1B-NB	-2.71	119.27	124.93
31	k8	203	PEB	CHB-C4B-C3B	-2.71	119.07	125.32
31	YF	201	PEB	CHC-C4C-C3C	-2.71	125.72	130.34
31	UB	201	PEB	C4B-C3B-C2B	-2.71	103.79	106.78
31	U6	201	PEB	C4B-C3B-C2B	-2.71	103.79	106.78
31	lE	202	PEB	C4B-C3B-C2B	-2.71	103.79	106.78
31	GA	202	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	TB	203	PEB	C3B-C4B-NB	2.71	113.99	110.05
31	ZE	201	PEB	C3B-C4B-NB	2.71	113.99	110.05
31	t8	202	PEB	CAC-C2C-C3C	2.71	135.02	127.25
31	PJ	203	PEB	CHA-C1B-NB	-2.71	119.27	124.93
31	D1	202	PEB	OD-C4D-ND	-2.71	121.92	125.93
33	O3	1001	CYC	C1B-C2B-C3B	-2.71	105.05	107.87
31	SK	201	PEB	CAB-C3B-C4B	2.71	129.80	125.01
31	f6	201	PEB	C2B-C1B-NB	2.71	116.31	110.53
33	B3	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
31	l6	201	PEB	CMA-C2A-C1A	-2.71	106.57	112.40
31	B8	202	PEB	C4B-C3B-C2B	-2.71	103.79	106.78
31	X4	202	PEB	CHC-C1D-ND	-2.71	110.81	113.95
31	OC	201	PEB	C3B-C4B-NB	2.71	113.98	110.05
33	S3	1001	CYC	CHA-C1A-NA	-2.71	125.07	128.83
31	cB	201	PEB	OD-C4D-C3D	-2.71	123.33	129.46
31	o8	202	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	bA	201	PEB	C1B-C2B-C3B	-2.71	103.40	106.51
31	hH	203	PEB	C4B-C3B-C2B	-2.70	103.79	106.78
31	CF	202	PEB	CHC-C1D-ND	-2.70	110.81	113.95
31	AC	301	PEB	CHA-C4A-NA	2.70	128.42	125.20
33	J3	1001	CYC	CBC-CAC-C3C	2.70	119.49	113.47
31	nF	202	PEB	CMB-C2B-C1B	2.70	129.23	125.06
31	TJ	202	PEB	C1B-C2B-C3B	-2.70	103.40	106.51
33	DC	1003	CYC	C2C-C1C-NC	2.70	110.60	108.27
31	M1	202	PEB	CMB-C2B-C1B	2.70	129.23	125.06
31	Y4	201	PEB	CHA-C1B-NB	-2.70	119.28	124.93
31	LB	1002	PEB	CHB-C4B-NB	-2.70	125.08	128.83
33	d3	1001	CYC	CHA-C1A-NA	-2.70	125.08	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	x3	1001	CYC	CBC-CAC-C3C	2.70	119.49	113.47
31	N8	201	PEB	C3B-C4B-NB	2.70	113.98	110.05
31	dJ	401	PEB	CAC-CBC-CGC	-2.70	106.18	113.76
31	UI	204	PEB	CHA-C1B-C2B	2.70	131.85	124.90
31	C8	203	PEB	CMB-C2B-C1B	2.70	129.23	125.06
31	g2	202	PEB	C4B-C3B-C2B	-2.70	103.79	106.78
33	U3	1001	CYC	CHA-C1A-NA	-2.70	125.08	128.83
31	DC	1002	PEB	C3B-C4B-NB	2.70	113.98	110.05
31	a4	203	PEB	CHA-C1B-NB	-2.70	119.28	124.93
31	l2	203	PEB	OD-C4D-ND	-2.70	121.93	125.93
31	HI	203	PEB	OD-C4D-C3D	-2.70	123.34	129.46
31	UA	304	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	eD	203	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	jE	201	PEB	C3B-C4B-NB	2.70	113.98	110.05
33	d3	1001	CYC	C1B-C2B-C3B	-2.70	105.05	107.87
31	eC	202	PEB	C4B-C3B-C2B	-2.70	103.79	106.78
31	H6	1002	PEB	CMB-C2B-C1B	2.70	129.22	125.06
33	k3	1001	CYC	CHA-C1A-NA	-2.70	125.08	128.83
31	D8	202	PEB	C2A-C1A-NA	2.70	110.60	108.27
33	F2	1001	CYC	C2C-C1C-NC	2.70	110.60	108.27
33	y3	1001	CYC	C2C-C1C-NC	-2.70	105.94	108.27
31	U1	201	PEB	OD-C4D-C3D	-2.70	123.34	129.46
31	c6	201	PEB	OD-C4D-C3D	-2.70	123.34	129.46
31	eB	203	PEB	OD-C4D-C3D	-2.70	123.34	129.46
31	a4	202	PEB	CHA-C1B-NB	-2.70	119.28	124.93
31	e6	202	PEB	CHC-C1D-ND	-2.70	110.81	113.95
31	fH	203	PEB	OD-C4D-ND	-2.70	121.93	125.93
31	bC	201	PEB	CHA-C1B-NB	-2.70	119.28	124.93
31	SA	202	PEB	CAB-C3B-C4B	2.70	129.79	125.01
31	L9	203	PEB	CAC-CBC-CGC	-2.70	106.19	113.76
31	LJ	202	PEB	C3B-C4B-NB	2.70	113.98	110.05
31	iE	201	PEB	C3B-C4B-NB	2.70	113.98	110.05
31	WI	201	PEB	OD-C4D-ND	-2.70	121.93	125.93
31	X9	202	PEB	OD-C4D-ND	-2.70	121.93	125.93
31	J1	202	PEB	CMB-C2B-C1B	2.70	129.22	125.06
31	UE	201	PEB	CHA-C1B-NB	-2.70	119.28	124.93
31	kD	201	PEB	CHA-C1B-NB	-2.70	119.28	124.93
33	I3	1001	CYC	C1B-C2B-C3B	-2.70	105.05	107.87
33	k3	1001	CYC	C1B-C2B-C3B	-2.70	105.05	107.87
31	H7	201	PEB	CHC-C4C-C3C	-2.70	125.73	130.34
31	FK	203	PEB	CAA-C3A-C4A	-2.70	105.74	112.67
31	KG	203	PEB	OD-C4D-C3D	-2.70	123.34	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	c3	1001	CYC	CBC-CAC-C3C	2.70	119.48	113.47
31	QF	202	PEB	CMB-C2B-C1B	2.70	129.22	125.06
31	HJ	202	PEB	OD-C4D-C3D	-2.70	123.34	129.46
31	H4	201	PEB	OD-C4D-C3D	-2.70	123.34	129.46
31	k8	202	PEB	OD-C4D-C3D	-2.70	123.34	129.46
31	aE	202	PEB	CHC-C1D-ND	-2.70	110.81	113.95
31	hF	202	PEB	CHC-C1D-ND	-2.70	110.81	113.95
31	VF	202	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	QG	201	PEB	CHA-C1B-NB	-2.70	119.29	124.93
31	eH	202	PEB	CHA-C1B-NB	-2.70	119.29	124.93
31	SA	202	PEB	C3B-C4B-NB	2.70	113.98	110.05
31	R4	201	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	h4	203	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	D7	202	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	FK	202	PEB	C3B-C4B-NB	2.70	113.97	110.05
31	Q4	203	PEB	C3B-C4B-NB	2.70	113.97	110.05
33	g3	1001	CYC	CBC-CAC-C3C	2.70	119.48	113.47
31	LC	1002	PEB	CMB-C2B-C1B	2.70	129.22	125.06
31	c8	201	PEB	OD-C4D-C3D	-2.70	123.35	129.46
31	QA	202	PEB	OD-C4D-ND	-2.70	121.93	125.93
31	Y5	201	PEB	OD-C4D-ND	-2.70	121.93	125.93
31	mC	201	PEB	CHB-C4B-C3B	-2.70	119.09	125.32
31	o8	201	PEB	CMB-C2B-C1B	2.70	129.22	125.06
31	LB	1002	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	W4	201	PEB	OD-C4D-C3D	-2.70	123.35	129.46
33	B3	1001	CYC	C1B-C2B-C3B	-2.70	105.06	107.87
31	l4	201	PEB	C3B-C4B-NB	2.70	113.97	110.05
31	V9	202	PEB	OD-C4D-ND	-2.70	121.93	125.93
31	KA	301	PEB	CAC-C2C-C3C	2.70	135.00	127.25
32	AD	302	PUB	CMD-C2D-C3D	2.70	131.82	127.77
31	eD	203	PEB	CBC-CAC-C2C	2.70	117.22	112.62
31	fD	201	PEB	OD-C4D-C3D	-2.70	123.35	129.46
31	lC	201	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	hA	301	PEB	CAB-C3B-C4B	2.70	129.78	125.01
31	J2	1002	PEB	CHC-C4C-C3C	-2.70	125.74	130.34
31	sF	202	PEB	C4B-C3B-C2B	-2.70	103.80	106.78
33	F6	1001	CYC	C1A-C2A-C3A	-2.70	103.80	106.78
31	EA	501	PEB	OD-C4D-ND	-2.70	121.94	125.93
31	YI	201	PEB	OD-C4D-C3D	-2.70	123.35	129.46
31	d6	202	PEB	CHA-C1B-NB	-2.70	119.29	124.93
31	FJ	202	PEB	CBC-CAC-C2C	-2.70	108.02	112.62
33	GE	201	CYC	CHA-C1A-NA	-2.70	125.09	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	Q3	1001	CYC	CHA-C1A-NA	-2.70	125.09	128.83
31	MI	305	PEB	CAB-C3B-C4B	2.70	129.78	125.01
31	i2	201	PEB	OA-C1A-C2A	-2.70	124.03	126.17
31	KA	301	PEB	CHC-C1D-ND	-2.70	110.82	113.95
31	ZE	203	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	OE	203	PEB	CMB-C2B-C1B	2.70	129.22	125.06
31	H1	201	PEB	C4B-C3B-C2B	-2.70	103.80	106.78
31	W9	201	PEB	C4B-NB-C1B	-2.70	101.43	106.51
33	N3	1001	CYC	CBC-CAC-C3C	2.70	119.47	113.47
31	QC	203	PEB	CHC-C1D-ND	-2.70	110.82	113.95
31	Q2	201	PEB	C3B-C4B-NB	2.70	113.97	110.05
31	dE	201	PEB	C3B-C4B-NB	2.70	113.97	110.05
31	OI	202	PEB	OD-C4D-ND	-2.70	121.94	125.93
31	TJ	201	PEB	C1B-C2B-C3B	-2.70	103.41	106.51
31	OF	201	PEB	OD-C4D-C3D	-2.70	123.35	129.46
33	O3	1001	CYC	CHA-C1A-NA	-2.70	125.09	128.83
33	o3	1001	CYC	CHA-C1A-NA	-2.70	125.09	128.83
31	UE	202	PEB	C4B-C3B-C2B	-2.70	103.80	106.78
31	BI	202	PEB	CMA-C2A-C1A	-2.69	106.59	112.40
31	g4	201	PEB	CHC-C1D-ND	2.69	117.08	113.95
31	KJ	202	PEB	C1B-C2B-C3B	-2.69	103.41	106.51
31	V8	202	PEB	C1B-C2B-C3B	-2.69	103.41	106.51
31	O8	201	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	F7	202	PEB	CAA-C3A-C4A	-2.69	105.75	112.67
33	H3	1001	CYC	CHA-C1A-NA	-2.69	125.09	128.83
31	lB	201	PEB	CMA-C2A-C1A	-2.69	106.59	112.40
31	kH	202	PEB	CAB-C3B-C4B	2.69	129.78	125.01
31	L2	1002	PEB	CMB-C2B-C1B	2.69	129.21	125.06
31	L1	203	PEB	C4B-C3B-C2B	-2.69	103.80	106.78
31	TK	203	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	dC	201	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	jE	202	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	SK	201	PEB	C3B-C4B-NB	2.69	113.97	110.05
31	lE	203	PEB	C3B-C4B-NB	2.69	113.97	110.05
31	PB	201	PEB	CHC-C4C-C3C	-2.69	125.74	130.34
31	FG	201	PEB	CHC-C4C-C3C	-2.69	125.74	130.34
31	PB	202	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	kH	201	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	A5	304	PEB	C2A-C1A-NA	2.69	110.59	108.27
31	dD	203	PEB	CAB-CBB-CGB	-2.69	107.81	113.60
31	aB	203	PEB	CBB-CAB-C3B	2.69	120.11	112.63
31	O4	201	PEB	C4B-C3B-C2B	-2.69	103.80	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	XK	201	PEB	CBC-CAC-C2C	2.69	117.22	112.62
31	LK	202	PEB	CHB-C4B-NB	-2.69	125.09	128.83
31	h8	202	PEB	CHC-C1D-ND	-2.69	110.82	113.95
31	Y8	201	PEB	OD-C4D-C3D	-2.69	123.36	129.46
33	J2	1001	CYC	CHB-C1B-NB	-2.69	120.28	126.06
31	QD	202	PEB	OA-C1A-C2A	-2.69	124.03	126.17
33	m3	1001	CYC	CBC-CAC-C3C	2.69	119.46	113.47
31	f6	202	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	ZE	203	PEB	C4B-C3B-C2B	-2.69	103.80	106.78
31	VE	201	PEB	CAB-C3B-C4B	2.69	129.77	125.01
31	SF	203	PEB	CHA-C1B-NB	-2.69	119.30	124.93
33	73	1001	CYC	C1B-C2B-C3B	-2.69	105.06	107.87
31	gC	201	PEB	CHB-C4B-C3B	-2.69	119.10	125.32
32	CI	203	PUB	CBC-CAC-C2C	2.69	120.11	112.63
31	jC	201	PEB	OA-C1A-C2A	-2.69	124.03	126.17
31	d5	401	PEB	CAC-CBC-CGC	-2.69	106.21	113.76
31	FF	202	PEB	C2A-C1A-NA	2.69	110.59	108.27
31	I1	201	PEB	C2A-C1A-NA	2.69	110.59	108.27
31	YC	202	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	T1	203	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	k4	201	PEB	OD-C4D-C3D	-2.69	123.36	129.46
31	F1	203	PEB	C4B-C3B-C2B	-2.69	103.81	106.78
31	e8	203	PEB	C4B-C3B-C2B	-2.69	103.81	106.78
31	A2	301	PEB	CHA-C4A-NA	2.69	128.40	125.20
31	P6	201	PEB	CBC-CAC-C2C	-2.69	108.03	112.62
31	NJ	204	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	O2	203	PEB	CHA-C1B-NB	-2.69	119.31	124.93
31	mE	201	PEB	CHA-C1B-NB	-2.69	119.31	124.93
31	JI	201	PEB	OD-C4D-ND	-2.69	121.94	125.93
31	dF	202	PEB	OD-C4D-ND	-2.69	121.94	125.93
33	JC	1003	CYC	C2C-C1C-NC	2.69	110.59	108.27
33	L3	1001	CYC	C1B-C2B-C3B	-2.69	105.06	107.87
31	f8	202	PEB	OD-C4D-C3D	-2.69	123.37	129.46
31	fF	202	PEB	OD-C4D-C3D	-2.69	123.37	129.46
31	r8	201	PEB	CAB-CBB-CGB	-2.69	107.81	113.60
31	Q5	201	PEB	CHA-C1B-NB	-2.69	119.31	124.93
31	CH	202	PEB	OD-C4D-ND	-2.69	121.95	125.93
31	PB	201	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	LH	202	PEB	C3B-C4B-NB	2.69	113.96	110.05
31	L4	201	PEB	C3B-C4B-NB	2.69	113.96	110.05
31	iD	201	PEB	C3B-C4B-NB	2.69	113.96	110.05
31	F5	202	PEB	CBC-CAC-C2C	-2.69	108.03	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	C3	1001	CYC	CBC-CAC-C3C	2.69	119.45	113.47
32	ZI	305	PUB	CBC-CAC-C2C	2.69	120.10	112.63
31	bC	202	PEB	CHA-C4A-NA	-2.69	122.01	125.20
31	HJ	202	PEB	C4B-C3B-C2B	-2.69	103.81	106.78
33	A3	1001	CYC	CBC-CAC-C3C	2.69	119.45	113.47
33	R3	1001	CYC	CBC-CAC-C3C	2.69	119.45	113.47
31	YB	201	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	Z2	203	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	S7	203	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	QH	203	PEB	CMB-C2B-C1B	2.69	129.20	125.06
33	K3	1001	CYC	CBC-CAC-C3C	2.69	119.45	113.47
31	RC	201	PEB	CHB-C4B-NB	-2.69	125.10	128.83
31	VH	202	PEB	C3B-C4B-NB	2.69	113.96	110.05
31	T4	202	PEB	C3B-C4B-NB	2.69	113.96	110.05
31	c2	202	PEB	C4B-C3B-C2B	-2.69	103.81	106.78
31	N5	203	PEB	CMB-C2B-C1B	2.69	129.20	125.06
31	f2	201	PEB	CHA-C1B-NB	-2.69	119.31	124.93
31	NC	1002	PEB	OD-C4D-C3D	-2.69	123.37	129.46
31	B4	301	PEB	OD-C4D-C3D	-2.69	123.37	129.46
31	BH	301	PEB	CHC-C4C-C3C	-2.69	125.75	130.34
31	VF	201	PEB	OD-C4D-C3D	-2.69	123.37	129.46
33	j3	1001	CYC	C1B-C2B-C3B	-2.69	105.07	107.87
31	OD	202	PEB	C4B-C3B-C2B	-2.69	103.81	106.78
31	PJ	202	PEB	C4B-C3B-C2B	-2.69	103.81	106.78
33	W3	1001	CYC	C1A-C2A-C3A	-2.69	103.81	106.78
31	jH	203	PEB	OD-C4D-ND	-2.69	121.95	125.93
31	D2	1002	PEB	C3B-C4B-NB	2.69	113.96	110.05
31	F7	201	PEB	OD-C4D-C3D	-2.69	123.37	129.46
31	b8	202	PEB	OD-C4D-C3D	-2.69	123.37	129.46
31	cF	201	PEB	OD-C4D-ND	-2.69	121.95	125.93
32	AE	302	PUB	CMD-C2D-C3D	2.69	131.80	127.77
33	e3	1001	CYC	CBC-CAC-C3C	2.69	119.45	113.47
31	U5	201	PEB	C1B-C2B-C3B	-2.69	103.42	106.51
31	eF	201	PEB	C3B-C4B-NB	2.69	113.96	110.05
31	JK	202	PEB	CMB-C2B-C1B	2.69	129.20	125.06
31	D8	203	PEB	CMB-C2B-C1B	2.69	129.20	125.06
31	GK	202	PEB	OD-C4D-C3D	-2.69	123.38	129.46
31	KA	303	PEB	CAC-C2C-C3C	2.69	134.96	127.25
31	U7	202	PEB	OD-C4D-C3D	-2.69	123.38	129.46
31	WG	201	PEB	CHC-C4C-C3C	-2.69	125.76	130.34
31	ZE	201	PEB	C4B-C3B-C2B	-2.69	103.81	106.78
31	LK	201	PEB	C4B-C3B-C2B	-2.69	103.81	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	q3	1001	CYC	CHA-C1A-NA	-2.69	125.10	128.83
31	vF	201	PEB	CAB-CBB-CGB	-2.68	107.83	113.60
33	E3	1001	CYC	CBC-CAC-C3C	2.68	119.44	113.47
31	pF	201	PEB	OD-C4D-C3D	-2.68	123.38	129.46
31	O1	201	PEB	CMA-C2A-C1A	-2.68	106.62	112.40
31	MK	202	PEB	OD-C4D-ND	-2.68	121.95	125.93
31	C9	202	PEB	OD-C4D-ND	-2.68	121.95	125.93
33	G3	1001	CYC	CBC-CAC-C3C	2.68	119.44	113.47
31	G1	202	PEB	OD-C4D-C3D	-2.68	123.38	129.46
33	U3	1001	CYC	C1B-C2B-C3B	-2.68	105.07	107.87
31	v8	201	PEB	CAB-CBB-CGB	-2.68	107.83	113.60
31	dH	202	PEB	OA-C1A-C2A	-2.68	124.04	126.17
31	P5	203	PEB	CHA-C1B-NB	-2.68	119.32	124.93
31	ZI	304	PEB	CAB-C3B-C4B	2.68	129.76	125.01
31	OF	203	PEB	CHC-C4C-C3C	-2.68	125.76	130.34
31	SF	203	PEB	CHC-C4C-C3C	-2.68	125.76	130.34
31	YK	301	PEB	OD-C4D-ND	-2.68	121.95	125.93
31	VE	202	PEB	C1B-C2B-C3B	-2.68	103.43	106.51
31	SG	201	PEB	C1B-C2B-C3B	-2.68	103.43	106.51
31	I4	202	PEB	C1B-C2B-C3B	-2.68	103.43	106.51
33	GD	201	CYC	C4A-C3A-C2A	-2.68	103.43	106.51
31	G8	202	PEB	CMB-C2B-C3B	-2.68	118.83	126.12
33	p3	1001	CYC	CBC-CAC-C3C	2.68	119.44	113.47
31	Y8	202	PEB	OD-C4D-C3D	-2.68	123.38	129.46
31	J9	201	PEB	CHB-C4B-C3B	-2.68	119.12	125.32
31	WH	202	PEB	OD-C4D-ND	-2.68	121.96	125.93
31	FF	202	PEB	CHA-C1B-NB	-2.68	119.32	124.93
31	L5	202	PEB	C3B-C4B-NB	2.68	113.95	110.05
31	V2	202	PEB	OD-C4D-C3D	-2.68	123.38	129.46
31	YI	202	PEB	C2A-C1A-NA	2.68	110.58	108.27
31	DF	203	PEB	CMB-C2B-C1B	2.68	129.19	125.06
31	WH	201	PEB	OD-C4D-C3D	-2.68	123.38	129.46
31	Q2	202	PEB	C3B-C4B-NB	2.68	113.95	110.05
31	m2	201	PEB	CHB-C4B-C3B	-2.68	119.12	125.32
31	SB	201	PEB	C4B-C3B-C2B	-2.68	103.81	106.78
31	D5	203	PEB	CBC-CAC-C2C	-2.68	108.04	112.62
33	t3	1001	CYC	CBC-CAC-C3C	2.68	119.44	113.47
31	S5	201	PEB	C1C-CHB-C4B	2.68	132.01	128.81
31	OH	202	PEB	OD-C4D-ND	-2.68	121.96	125.93
31	LI	203	PEB	C3B-C4B-NB	2.68	113.95	110.05
31	gF	201	PEB	CHC-C4C-C3C	-2.68	125.76	130.34
33	r3	1001	CYC	CBC-CAC-C3C	2.68	119.44	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	g2	201	PEB	CHC-C1D-ND	-2.68	110.83	113.95
33	j3	1001	CYC	CHA-C1A-NA	-2.68	125.11	128.83
31	Z8	201	PEB	C2A-C1A-NA	2.68	110.58	108.27
31	RD	202	PEB	C1B-C2B-C3B	-2.68	103.43	106.51
31	b7	503	PEB	OD-C4D-ND	-2.68	121.96	125.93
32	AC	304	PUB	OD-C4D-ND	-2.68	121.96	125.93
31	BA	203	PEB	CMB-C2B-C1B	2.68	129.19	125.06
31	P6	201	PEB	CHC-C4C-C3C	-2.68	125.77	130.34
31	i8	202	PEB	OA-C1A-C2A	-2.68	124.04	126.17
31	l4	202	PEB	CHA-C1B-C2B	2.68	131.79	124.90
31	aB	201	PEB	CHB-C4B-NB	-2.68	125.11	128.83
33	v3	1001	CYC	CBC-CAC-C3C	2.68	119.43	113.47
31	PD	201	PEB	CHC-C1D-ND	-2.68	110.83	113.95
31	AE	304	PEB	OD-C4D-C3D	-2.68	123.39	129.46
31	m4	202	PEB	OD-C4D-C3D	-2.68	123.39	129.46
31	N8	202	PEB	OD-C4D-C3D	-2.68	123.39	129.46
31	O2	201	PEB	CBC-CAC-C2C	-2.68	108.05	112.62
31	O4	201	PEB	OD-C4D-C3D	-2.68	123.39	129.46
31	j4	203	PEB	OD-C4D-C3D	-2.68	123.39	129.46
31	WF	203	PEB	CHC-C4C-C3C	-2.68	125.77	130.34
31	HB	1002	PEB	CMB-C2B-C1B	2.68	129.19	125.06
31	KK	201	PEB	OD-C4D-ND	-2.68	121.96	125.93
31	ZF	202	PEB	CAB-C3B-C4B	2.68	129.75	125.01
31	BK	203	PEB	C1B-C2B-C3B	-2.68	103.43	106.51
33	y3	1001	CYC	C1A-C2A-C3A	-2.68	103.82	106.78
31	fE	202	PEB	OD-C4D-ND	-2.68	121.96	125.93
31	uF	202	PEB	OD-C4D-ND	-2.68	121.96	125.93
31	S7	203	PEB	C2A-C1A-NA	2.68	110.58	108.27
31	C5	201	PEB	C3B-C4B-NB	2.68	113.94	110.05
31	VG	203	PEB	CHC-C1D-ND	-2.68	110.84	113.95
31	NF	202	PEB	C1B-C2B-C3B	-2.68	103.43	106.51
31	NA	203	PEB	CHB-C4B-C3B	-2.68	119.13	125.32
31	UE	202	PEB	C3B-C4B-NB	2.68	113.94	110.05
31	O2	201	PEB	C3B-C4B-NB	2.68	113.94	110.05
31	lD	202	PEB	CAB-CBB-CGB	-2.68	107.84	113.60
31	Y2	202	PEB	CHC-C4C-C3C	-2.68	125.77	130.34
31	S8	203	PEB	CHC-C4C-C3C	-2.68	125.77	130.34
31	QA	203	PEB	CAC-CBC-CGC	-2.68	106.25	113.76
31	DJ	203	PEB	CBC-CAC-C2C	-2.68	108.05	112.62
31	h2	201	PEB	CBC-CAC-C2C	2.68	117.19	112.62
31	Y2	202	PEB	OD-C4D-C3D	-2.68	123.39	129.46
31	cA	401	PEB	OD-C4D-C3D	-2.68	123.39	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W2	203	PEB	C2A-C1A-NA	2.68	110.58	108.27
31	l4	202	PEB	OD-C4D-ND	-2.68	121.96	125.93
33	D3	1001	CYC	CHA-C1A-NA	-2.68	125.11	128.83
31	T5	202	PEB	C1B-C2B-C3B	-2.68	103.43	106.51
33	MD	1001	CYC	C4A-C3A-C2A	-2.68	103.43	106.51
31	ZD	201	PEB	C4B-C3B-C2B	-2.68	103.82	106.78
33	V3	1001	CYC	CHB-C1B-NB	2.68	131.81	126.06
31	dE	203	PEB	CAB-C3B-C4B	2.68	129.74	125.01
31	UD	201	PEB	CHA-C1B-NB	-2.68	119.33	124.93
33	n3	1001	CYC	CHA-C1A-NA	-2.68	125.11	128.83
33	P3	1001	CYC	CBC-CAC-C3C	2.68	119.43	113.47
31	TB	201	PEB	CHC-C4C-C3C	-2.68	125.77	130.34
31	SJ	202	PEB	CHC-C4C-C3C	-2.68	125.77	130.34
31	c2	201	PEB	C2A-C1A-NA	2.68	110.58	108.27
31	gA	201	PEB	OD-C4D-ND	-2.68	121.97	125.93
31	XF	202	PEB	CHA-C1B-C2B	2.68	131.78	124.90
31	ID	203	PEB	CBC-CAC-C2C	-2.68	108.05	112.62
31	AA	501	PEB	OD-C4D-C3D	-2.68	123.40	129.46
31	K1	201	PEB	OD-C4D-ND	-2.68	121.97	125.93
31	SG	202	PEB	C2A-C1A-NA	2.67	110.58	108.27
31	F1	203	PEB	CHA-C1B-NB	-2.67	119.34	124.93
31	MK	202	PEB	CMB-C2B-C1B	2.67	129.18	125.06
31	XJ	203	PEB	OD-C4D-C3D	-2.67	123.40	129.46
33	V3	1001	CYC	CBC-CAC-C3C	2.67	119.42	113.47
31	PC	202	PEB	C1C-CHB-C4B	2.67	132.00	128.81
31	A1	201	PEB	C1B-C2B-C3B	-2.67	103.44	106.51
31	V8	201	PEB	OD-C4D-ND	-2.67	121.97	125.93
31	wF	302	PEB	OD-C4D-ND	-2.67	121.97	125.93
31	KA	304	PEB	CHA-C1B-NB	-2.67	119.34	124.93
31	L8	202	PEB	C4B-C3B-C2B	-2.67	103.82	106.78
31	fB	202	PEB	OD-C4D-C3D	-2.67	123.40	129.46
31	IH	203	PEB	OD-C4D-C3D	-2.67	123.40	129.46
31	ZA	201	PEB	C3B-C4B-NB	2.67	113.94	110.05
31	SG	202	PEB	C3B-C4B-NB	2.67	113.94	110.05
31	e6	202	PEB	C3B-C4B-NB	2.67	113.94	110.05
31	DK	202	PEB	OD-C4D-ND	-2.67	121.97	125.93
31	K9	202	PEB	OD-C4D-ND	-2.67	121.97	125.93
31	FK	203	PEB	OA-C1A-C2A	-2.67	124.05	126.17
31	F8	202	PEB	C2A-C1A-NA	2.67	110.58	108.27
31	dA	202	PEB	C1B-C2B-C3B	-2.67	103.44	106.51
31	k2	202	PEB	C4B-C3B-C2B	-2.67	103.82	106.78
31	Y8	203	PEB	CBA-CAA-C3A	-2.67	107.52	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BA	202	PEB	C1B-C2B-C3B	-2.67	103.44	106.51
31	JI	202	PEB	C1B-C2B-C3B	-2.67	103.44	106.51
33	W3	1001	CYC	CAA-C2A-C1A	2.67	129.74	125.01
31	gB	203	PEB	C2A-C1A-NA	2.67	110.58	108.27
31	GA	202	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	OB	201	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	g8	202	PEB	OD-C4D-ND	-2.67	121.97	125.93
31	CJ	202	PEB	CHC-C4C-C3C	-2.67	125.78	130.34
31	SH	202	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	X1	201	PEB	CBC-CAC-C2C	2.67	117.18	112.62
31	B5	203	PEB	CMB-C2B-C1B	2.67	129.18	125.06
31	TC	201	PEB	CHA-C1B-NB	-2.67	119.34	124.93
31	S1	201	PEB	C3B-C4B-NB	2.67	113.94	110.05
31	aB	202	PEB	C3B-C4B-NB	2.67	113.94	110.05
31	bB	201	PEB	C2B-C1B-NB	2.67	116.23	110.53
31	OB	201	PEB	OA-C1A-C2A	-2.67	124.05	126.17
31	R6	203	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	II	202	PEB	C1B-C2B-C3B	-2.67	103.44	106.51
33	i3	1001	CYC	CBC-CAC-C3C	2.67	119.41	113.47
31	Y1	302	PEB	C3B-C4B-NB	2.67	113.93	110.05
31	S1	201	PEB	CAB-C3B-C4B	2.67	129.73	125.01
31	M1	202	PEB	OD-C4D-ND	-2.67	121.97	125.93
31	O6	201	PEB	CHA-C4A-NA	2.67	128.38	125.20
31	i4	201	PEB	C2A-C1A-NA	2.67	110.58	108.27
31	NA	201	PEB	CMA-C2A-C1A	-2.67	106.65	112.40
31	uF	203	PEB	C1B-C2B-C3B	-2.67	103.44	106.51
33	ME	1001	CYC	C4A-C3A-C2A	-2.67	103.44	106.51
31	Z9	303	PEB	C2A-C3A-C4A	-2.67	97.34	101.34
31	KF	203	PEB	CHC-C4C-C3C	-2.67	125.78	130.34
31	NA	202	PEB	CHA-C1B-NB	-2.67	119.35	124.93
31	IH	203	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	Z6	202	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	b6	202	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	D1	201	PEB	C3B-C4B-NB	2.67	113.93	110.05
31	F1	201	PEB	C3B-C4B-NB	2.67	113.93	110.05
31	D4	202	PEB	C3B-C4B-NB	2.67	113.93	110.05
31	bC	201	PEB	C3B-C4B-NB	2.67	113.93	110.05
33	W3	1001	CYC	C2C-C1C-NC	-2.67	105.97	108.27
31	b6	202	PEB	CHA-C1B-NB	-2.67	119.35	124.93
31	G4	202	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	N5	202	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	B1	201	PEB	CMB-C2B-C1B	2.67	129.17	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dB	201	PEB	C4B-C3B-C2B	-2.67	103.83	106.78
31	GF	202	PEB	CMB-C2B-C3B	-2.67	118.87	126.12
31	YI	202	PEB	CAB-C3B-C4B	2.67	129.73	125.01
32	AJ	303	PUB	CBB-CAB-C3B	2.67	117.17	112.62
31	JC	1002	PEB	OD-C4D-C3D	-2.67	123.41	129.46
31	b7	503	PEB	OD-C4D-C3D	-2.67	123.41	129.46
32	AC	303	PUB	OD-C4D-ND	-2.67	121.98	125.93
31	MH	201	PEB	CAA-C3A-C4A	-2.67	105.82	112.67
31	R9	202	PEB	OD-C4D-ND	-2.67	121.98	125.93
32	CI	203	PUB	OA-C1A-NA	-2.67	121.98	125.93
31	A7	202	PEB	CHA-C1B-NB	-2.67	119.35	124.93
31	SI	203	PEB	C1B-C2B-C3B	-2.67	103.44	106.51
31	a4	204	PEB	C3B-C4B-NB	2.67	113.93	110.05
31	X4	201	PEB	OD-C4D-C3D	-2.67	123.42	129.46
31	BA	201	PEB	CHC-C1D-ND	-2.67	110.85	113.95
31	rF	201	PEB	CAB-CBB-CGB	-2.67	107.86	113.60
31	LK	203	PEB	C2A-C1A-NA	2.67	110.57	108.27
31	DI	201	PEB	OD-C4D-ND	-2.67	121.98	125.93
31	A4	301	PEB	OD-C4D-C3D	-2.67	123.42	129.46
31	H8	201	PEB	OD-C4D-C3D	-2.67	123.42	129.46
31	FK	203	PEB	C4B-C3B-C2B	-2.67	103.83	106.78
31	K7	202	PEB	C4B-C3B-C2B	-2.67	103.83	106.78
33	FB	1001	CYC	C1A-C2A-C3A	-2.67	103.83	106.78
31	VD	201	PEB	CAB-C3B-C4B	2.67	129.72	125.01
31	a4	203	PEB	OD-C4D-C3D	-2.67	123.42	129.46
31	S6	201	PEB	C2B-C1B-NB	2.67	116.22	110.53
33	x3	1001	CYC	CHB-C1B-NB	2.67	131.78	126.06
31	dB	202	PEB	CHA-C1B-NB	-2.67	119.36	124.93
33	V3	1001	CYC	CMA-C3A-C4A	2.67	129.17	125.06
33	N6	1001	CYC	CAA-C2A-C3A	2.67	132.84	127.88
32	AH	303	PUB	CMD-C2D-C3D	2.67	131.77	127.77
31	qF	203	PEB	CHA-C4A-NA	2.67	128.37	125.20
31	gC	202	PEB	C4B-C3B-C2B	-2.67	103.83	106.78
31	T6	201	PEB	CHC-C4C-C3C	-2.67	125.79	130.34
31	AI	202	PEB	C1B-C2B-C3B	-2.66	103.45	106.51
31	DH	201	PEB	OD-C4D-C3D	-2.66	123.42	129.46
31	NA	201	PEB	CAB-CBB-CGB	-2.66	107.87	113.60
31	kF	203	PEB	OD-C4D-ND	-2.66	121.98	125.93
31	e6	201	PEB	C1B-C2B-C3B	-2.66	103.45	106.51
31	lE	203	PEB	C1B-C2B-C3B	-2.66	103.45	106.51
31	PF	202	PEB	CHC-C4C-C3C	2.66	134.88	130.34
31	WE	201	PEB	CMA-C2A-C1A	-2.66	106.66	112.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I7	201	PEB	OA-C1A-C2A	-2.66	124.06	126.17
31	RC	201	PEB	OD-C4D-ND	-2.66	121.98	125.93
31	hC	201	PEB	CMB-C2B-C1B	2.66	129.17	125.06
31	IK	201	PEB	C2A-C1A-NA	2.66	110.57	108.27
31	WJ	201	PEB	OD-C4D-ND	-2.66	121.98	125.93
31	a8	201	PEB	OD-C4D-ND	-2.66	121.98	125.93
31	I9	202	PEB	OD-C4D-ND	-2.66	121.98	125.93
33	L2	1001	CYC	O2D-CGD-CBD	2.66	122.59	114.03
31	cD	201	PEB	C1C-CHB-C4B	2.66	131.99	128.81
31	eF	203	PEB	CHC-C4C-C3C	-2.66	125.80	130.34
31	YA	201	PEB	C4B-C3B-C2B	-2.66	103.84	106.78
31	BK	201	PEB	OD-C4D-ND	-2.66	121.99	125.93
31	w8	302	PEB	OD-C4D-ND	-2.66	121.99	125.93
31	B1	203	PEB	C1B-C2B-C3B	-2.66	103.45	106.51
31	lF	202	PEB	C1B-C2B-C3B	-2.66	103.45	106.51
31	DH	201	PEB	CHA-C1B-NB	-2.66	119.36	124.93
31	ZB	202	PEB	OD-C4D-C3D	-2.66	123.43	129.46
31	lE	201	PEB	OD-C4D-C3D	-2.66	123.43	129.46
31	V5	203	PEB	C3B-C4B-NB	2.66	113.92	110.05
31	a6	202	PEB	C3B-C4B-NB	2.66	113.92	110.05
31	mE	203	PEB	C3B-C4B-NB	2.66	113.92	110.05
31	CA	202	PEB	CAB-CBB-CGB	-2.66	107.88	113.60
31	s8	202	PEB	OD-C4D-ND	-2.66	121.99	125.93
31	X8	203	PEB	C1B-C2B-C3B	-2.66	103.45	106.51
33	GE	201	CYC	C4A-C3A-C2A	-2.66	103.45	106.51
31	Z2	201	PEB	OA-C1A-NA	2.66	128.16	124.94
31	G8	202	PEB	OD-C4D-ND	-2.66	121.99	125.93
31	O7	203	PEB	C2A-C1A-NA	2.66	110.57	108.27
31	lF	201	PEB	OD-C4D-C3D	-2.66	123.43	129.46
31	JK	201	PEB	OD-C4D-C3D	-2.66	123.43	129.46
31	bE	201	PEB	OD-C4D-C3D	-2.66	123.43	129.46
31	P8	202	PEB	C4B-C3B-C2B	-2.66	103.84	106.78
31	RB	203	PEB	OD-C4D-C3D	-2.66	123.43	129.46
31	d2	201	PEB	OD-C4D-C3D	-2.66	123.43	129.46
31	m4	201	PEB	O2B-CGB-CBB	2.66	122.58	114.03
31	YD	202	PEB	CMB-C2B-C1B	2.66	129.16	125.06
32	MI	303	PUB	CMD-C2D-C3D	2.66	131.76	127.77
32	AC	303	PUB	CHC-C1D-ND	-2.66	110.36	113.72
32	B4	302	PUB	CBA-CAA-C3A	-2.66	108.94	112.98
31	SF	202	PEB	CBB-CAB-C3B	-2.66	105.24	112.63
31	HI	203	PEB	CHC-C4C-C3C	-2.66	125.80	130.34
33	I3	1001	CYC	CHA-C1A-NA	-2.66	125.14	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	hH	201	PEB	OD-C4D-ND	-2.66	121.99	125.93
31	bB	202	PEB	CHA-C1B-NB	-2.66	119.37	124.93
31	T5	201	PEB	C1B-C2B-C3B	-2.66	103.45	106.51
31	M4	203	PEB	OD-C4D-C3D	-2.66	123.44	129.46
31	PB	201	PEB	CBC-CAC-C2C	-2.66	108.08	112.62
31	N9	202	PEB	OD-C4D-ND	-2.66	121.99	125.93
31	YI	203	PEB	CAB-C3B-C4B	2.66	129.71	125.01
31	EI	202	PEB	C1B-C2B-C3B	-2.66	103.46	106.51
31	gA	202	PEB	C1B-C2B-C3B	-2.66	103.46	106.51
31	WA	402	PEB	CAB-CBB-CGB	-2.66	107.88	113.60
31	LG	202	PEB	OA-C1A-C2A	-2.66	124.06	126.17
31	S5	201	PEB	CMB-C2B-C1B	2.66	129.16	125.06
31	i8	203	PEB	CMB-C2B-C1B	2.66	129.16	125.06
31	lH	201	PEB	CMB-C2B-C1B	2.66	129.16	125.06
33	JC	1001	CYC	C1A-C2A-C3A	-2.66	103.84	106.78
31	lH	202	PEB	OD-C4D-C3D	-2.66	123.44	129.46
31	E9	202	PEB	OD-C4D-ND	-2.66	121.99	125.93
31	D6	1002	PEB	CAB-C3B-C4B	2.66	129.71	125.01
31	X8	201	PEB	C3B-C4B-NB	2.66	113.91	110.05
31	XI	202	PEB	C1B-C2B-C3B	-2.66	103.46	106.51
31	D5	202	PEB	OA-C1A-C2A	-2.66	124.06	126.17
31	Q2	202	PEB	C4B-C3B-C2B	-2.66	103.84	106.78
33	E6	1001	CYC	CHB-C1B-NB	-2.66	120.36	126.06
31	RK	202	PEB	C2B-C1B-NB	2.66	116.20	110.53
31	A4	302	PEB	CMB-C2B-C1B	2.66	129.15	125.06
31	fD	202	PEB	OD-C4D-C3D	-2.66	123.44	129.46
31	T2	201	PEB	CBC-CAC-C2C	-2.66	108.09	112.62
31	IF	203	PEB	CBC-CAC-C2C	2.66	117.15	112.62
31	f6	202	PEB	C3B-C4B-NB	2.66	113.91	110.05
33	EB	1001	CYC	CHB-C1B-NB	-2.66	120.36	126.06
31	LK	202	PEB	OA-C1A-NA	2.66	128.16	124.94
31	AK	201	PEB	C1B-C2B-C3B	-2.66	103.46	106.51
31	q8	201	PEB	C4B-C3B-C2B	-2.66	103.84	106.78
31	Y9	203	PEB	C4B-C3B-C2B	-2.66	103.84	106.78
31	fA	301	PEB	CAB-C3B-C4B	2.66	129.71	125.01
33	D2	1003	CYC	C2C-C1C-NC	2.66	110.56	108.27
31	FH	202	PEB	C3B-C4B-NB	2.65	113.91	110.05
31	HF	202	PEB	OD-C4D-C3D	-2.65	123.44	129.46
31	F8	202	PEB	CAA-C3A-C4A	-2.65	105.86	112.67
31	T1	202	PEB	CAB-C3B-C4B	2.65	129.71	125.01
31	WJ	202	PEB	CHC-C4C-C3C	-2.65	125.81	130.34
31	D7	201	PEB	C1B-C2B-C3B	-2.65	103.46	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Z6	201	PEB	OD-C4D-C3D	-2.65	123.45	129.46
31	JJ	202	PEB	OD-C4D-ND	-2.65	122.00	125.93
32	y8	302	PUB	OA-C1A-NA	-2.65	122.00	125.93
31	OG	201	PEB	CAB-C3B-C4B	2.65	129.70	125.01
31	H8	202	PEB	CAB-C3B-C4B	2.65	129.70	125.01
31	R1	203	PEB	C2A-C1A-NA	2.65	110.56	108.27
31	XG	202	PEB	CMB-C2B-C1B	2.65	129.15	125.06
31	T2	201	PEB	CHA-C1B-NB	-2.65	119.38	124.93
31	L9	202	PEB	OA-C1A-C2A	-2.65	124.06	126.17
31	T6	201	PEB	C1B-C2B-C3B	-2.65	103.46	106.51
31	k8	202	PEB	C1B-C2B-C3B	-2.65	103.46	106.51
31	GH	202	PEB	OD-C4D-ND	-2.65	122.00	125.93
31	BJ	203	PEB	OD-C4D-ND	-2.65	122.00	125.93
31	T9	202	PEB	OD-C4D-ND	-2.65	122.00	125.93
33	CC	1001	CYC	C2A-C1A-NA	2.65	113.91	110.05
31	J2	1002	PEB	OD-C4D-C3D	-2.65	123.45	129.46
31	cC	202	PEB	C4B-C3B-C2B	-2.65	103.85	106.78
33	FD	201	CYC	CHB-C1B-NB	-2.65	120.36	126.06
31	YF	202	PEB	OD-C4D-C3D	-2.65	123.45	129.46
31	gF	202	PEB	OD-C4D-ND	-2.65	122.00	125.93
31	RD	202	PEB	C3B-C4B-NB	2.65	113.91	110.05
31	JI	202	PEB	CHA-C4A-NA	-2.65	122.05	125.20
31	BK	201	PEB	CMB-C2B-C1B	2.65	129.15	125.06
31	G1	202	PEB	CMB-C2B-C1B	2.65	129.15	125.06
31	cC	201	PEB	OD-C4D-ND	-2.65	122.00	125.93
31	p8	201	PEB	OD-C4D-C3D	-2.65	123.45	129.46
31	oF	201	PEB	CMB-C2B-C1B	2.65	129.15	125.06
31	M9	303	PEB	C2A-C3A-C4A	-2.65	97.37	101.34
31	NK	201	PEB	CHA-C4A-NA	2.65	128.36	125.20
31	K8	203	PEB	CHC-C4C-C3C	-2.65	125.81	130.34
31	x8	304	PEB	C3B-C4B-NB	2.65	113.91	110.05
31	X1	203	PEB	CBA-CAA-C3A	2.65	119.37	113.47
31	g2	201	PEB	C1B-C2B-C3B	-2.65	103.46	106.51
31	e8	201	PEB	C3B-C4B-NB	2.65	113.91	110.05
32	A4	304	PUB	C2C-C1C-NC	2.65	113.91	110.05
31	PJ	202	PEB	CAA-C3A-C2A	-2.65	107.64	114.26
32	A2	303	PUB	CHC-C1D-ND	-2.65	110.37	113.72
31	g6	201	PEB	OD-C4D-C3D	-2.65	123.45	129.46
31	B1	201	PEB	OD-C4D-ND	-2.65	122.00	125.93
31	k8	203	PEB	OD-C4D-ND	-2.65	122.00	125.93
31	VD	202	PEB	C1B-C2B-C3B	-2.65	103.47	106.51
31	k8	203	PEB	OA-C1A-C2A	-2.65	124.07	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SB	202	PEB	C2B-C1B-NB	2.65	116.19	110.53
31	LC	1002	PEB	CAB-CBB-CGB	-2.65	107.90	113.60
31	JA	202	PEB	OD-C4D-ND	-2.65	122.00	125.93
31	bB	202	PEB	OD-C4D-C3D	-2.65	123.46	129.46
31	WA	402	PEB	CHA-C1B-NB	-2.65	119.39	124.93
31	N5	203	PEB	CHC-C4C-C3C	-2.65	125.82	130.34
31	NI	202	PEB	C1B-C2B-C3B	-2.65	103.47	106.51
31	PI	202	PEB	C1B-C2B-C3B	-2.65	103.47	106.51
31	P7	202	PEB	C1B-C2B-C3B	-2.65	103.47	106.51
31	Z2	201	PEB	OD-C4D-ND	-2.65	122.01	125.93
31	e8	201	PEB	OD-C4D-ND	-2.65	122.01	125.93
31	X7	201	PEB	CHC-C4C-C3C	-2.65	125.82	130.34
31	g2	201	PEB	CMB-C2B-C1B	2.65	129.14	125.06
31	S5	202	PEB	OA-C1A-C2A	-2.65	124.07	126.17
31	sF	203	PEB	OA-C1A-C2A	-2.65	124.07	126.17
31	a4	201	PEB	OD-C4D-C3D	-2.65	123.46	129.46
31	B9	203	PEB	CBC-CAC-C2C	-2.65	108.10	112.62
31	Q6	201	PEB	CMD-C2D-C3D	2.65	133.80	130.06
31	j4	202	PEB	OD-C4D-C3D	-2.65	123.46	129.46
31	kF	202	PEB	OD-C4D-C3D	-2.65	123.46	129.46
31	GA	203	PEB	OD-C4D-ND	-2.65	122.01	125.93
31	V2	201	PEB	C4B-C3B-C2B	-2.65	103.85	106.78
31	P5	202	PEB	C4B-C3B-C2B	-2.65	103.85	106.78
31	P2	202	PEB	C3B-C4B-NB	2.65	113.90	110.05
31	t8	201	PEB	CHA-C1B-NB	-2.65	119.39	124.93
31	NF	202	PEB	OD-C4D-C3D	-2.65	123.46	129.46
31	W8	203	PEB	CHC-C4C-C3C	-2.65	125.82	130.34
32	A2	304	PUB	OD-C4D-ND	-2.65	122.01	125.93
31	VF	202	PEB	CAC-CBC-CGC	-2.65	106.34	113.76
31	a4	202	PEB	OD-C4D-C3D	-2.65	123.46	129.46
33	F2	1001	CYC	C1A-C2A-C3A	-2.65	103.85	106.78
31	R5	201	PEB	CHA-C1B-NB	-2.65	119.40	124.93
31	wF	303	PEB	OD-C4D-C3D	-2.65	123.46	129.46
31	YD	202	PEB	C1B-C2B-C3B	-2.65	103.47	106.51
31	VC	202	PEB	OD-C4D-C3D	-2.65	123.46	129.46
31	EH	202	PEB	OD-C4D-C3D	-2.65	123.46	129.46
33	LC	1001	CYC	O2D-CGD-CBD	2.65	122.53	114.03
31	bF	202	PEB	OD-C4D-C3D	-2.65	123.47	129.46
31	MH	201	PEB	CAA-C3A-C2A	-2.65	107.65	114.26
31	MA	202	PEB	C3B-C4B-NB	2.65	113.90	110.05
31	RE	202	PEB	C3B-C4B-NB	2.65	113.90	110.05
31	OH	203	PEB	C2A-C1A-NA	2.65	110.55	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TE	201	PEB	CHC-C4C-C3C	-2.65	125.82	130.34
31	CI	202	PEB	C1B-C2B-C3B	-2.65	103.47	106.51
31	L6	1002	PEB	C1B-C2B-C3B	-2.65	103.47	106.51
31	IH	202	PEB	OD-C4D-C3D	-2.65	123.47	129.46
31	J4	201	PEB	OD-C4D-C3D	-2.65	123.47	129.46
31	JH	202	PEB	CHC-C4C-C3C	-2.65	125.83	130.34
31	VE	201	PEB	CHA-C1B-NB	-2.65	119.40	124.93
31	FB	1002	PEB	CAB-CBB-CGB	-2.65	107.91	113.60
31	b7	501	PEB	CMB-C2B-C1B	2.64	129.14	125.06
31	LE	1002	PEB	OD-C4D-ND	-2.64	122.01	125.93
31	G9	202	PEB	OD-C4D-ND	-2.64	122.01	125.93
31	P2	201	PEB	CHB-C4B-NB	-2.64	125.16	128.83
31	D9	203	PEB	OD-C4D-C3D	-2.64	123.47	129.46
31	B8	202	PEB	CAA-C3A-C4A	-2.64	105.88	112.67
31	NA	201	PEB	C3B-C4B-NB	2.64	113.90	110.05
31	QC	202	PEB	C3B-C4B-NB	2.64	113.90	110.05
31	h4	201	PEB	C3B-C4B-NB	2.64	113.90	110.05
31	V8	202	PEB	CAB-C3B-C4B	2.64	129.69	125.01
33	E6	1001	CYC	C1A-C2A-C3A	-2.64	103.86	106.78
31	A7	201	PEB	CHB-C4B-C3B	-2.64	119.21	125.32
31	CF	202	PEB	CBB-CAB-C3B	-2.64	105.28	112.63
31	S4	203	PEB	CAA-C3A-C4A	-2.64	105.88	112.67
31	g8	203	PEB	OD-C4D-C3D	-2.64	123.47	129.46
31	M4	201	PEB	C1B-C2B-C3B	-2.64	103.47	106.51
31	QD	203	PEB	CHB-C4B-NB	-2.64	125.16	128.83
31	a6	201	PEB	CHB-C4B-NB	-2.64	125.16	128.83
31	I8	203	PEB	CBC-CAC-C2C	2.64	117.13	112.62
31	AC	301	PEB	OD-C4D-C3D	-2.64	123.47	129.46
31	UH	201	PEB	OD-C4D-C3D	-2.64	123.47	129.46
31	RJ	202	PEB	OA-C1A-C2A	-2.64	124.07	126.17
31	NC	1002	PEB	C2A-C1A-NA	2.64	110.55	108.27
31	P9	202	PEB	OD-C4D-ND	-2.64	122.01	125.93
31	eD	201	PEB	OD-C4D-C3D	-2.64	123.47	129.46
31	S5	202	PEB	CMA-C2A-C1A	-2.64	106.70	112.40
31	U2	201	PEB	CHB-C4B-NB	-2.64	125.16	128.83
31	GJ	202	PEB	C3B-C4B-NB	2.64	113.89	110.05
31	DI	201	PEB	OD-C4D-C3D	-2.64	123.47	129.46
31	d8	202	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	xF	304	PEB	CHA-C4A-NA	2.64	128.35	125.20
31	U4	202	PEB	CMA-C2A-C1A	-2.64	106.71	112.40
31	A7	201	PEB	CMA-C2A-C1A	-2.64	106.71	112.40
31	k2	201	PEB	CAA-C3A-C4A	2.64	119.46	112.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	c8	201	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	YF	202	PEB	CHC-C1D-ND	-2.64	110.88	113.95
31	UK	201	PEB	OD-C4D-C3D	-2.64	123.47	129.46
31	b6	201	PEB	C2B-C1B-NB	2.64	116.17	110.53
31	JJ	201	PEB	C3B-C4B-NB	2.64	113.89	110.05
31	VF	202	PEB	C4B-C3B-C2B	-2.64	103.86	106.78
31	J5	202	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	JF	202	PEB	C1B-C2B-C3B	-2.64	103.47	106.51
31	O5	202	PEB	CHC-C1D-ND	-2.64	110.88	113.95
31	F1	203	PEB	OA-C1A-C2A	-2.64	124.07	126.17
31	NA	201	PEB	C1C-CHB-C4B	-2.64	125.65	128.81
31	X5	202	PEB	C1C-CHB-C4B	2.64	131.96	128.81
31	CF	203	PEB	CMB-C2B-C1B	2.64	129.13	125.06
33	W3	1001	CYC	CMD-C2D-C3D	-2.64	119.96	124.94
31	R7	202	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	w8	303	PEB	OD-C4D-C3D	-2.64	123.48	129.46
31	FF	202	PEB	CAA-C3A-C4A	-2.64	105.89	112.67
31	Q7	203	PEB	CMB-C2B-C1B	2.64	129.13	125.06
31	WD	203	PEB	OD-C4D-C3D	-2.64	123.48	129.46
31	SJ	202	PEB	CMA-C2A-C1A	-2.64	106.71	112.40
31	JH	201	PEB	CHA-C1B-C2B	2.64	131.69	124.90
31	DK	202	PEB	C3B-C4B-NB	2.64	113.89	110.05
33	73	1002	CYC	C4A-C3A-C2A	-2.64	103.48	106.51
33	CB	1001	CYC	CBC-CAC-C3C	-2.64	107.59	113.47
32	AC	304	PUB	CHC-C1D-ND	-2.64	110.39	113.72
31	EH	203	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	X5	202	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	U6	202	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	lE	202	PEB	C1C-CHB-C4B	-2.64	125.66	128.81
31	c4	202	PEB	CHC-C4C-C3C	-2.64	125.83	130.34
31	X5	202	PEB	C4B-C3B-C2B	-2.64	103.86	106.78
31	EG	202	PEB	CMB-C2B-C1B	2.64	129.13	125.06
31	iF	203	PEB	CMB-C2B-C1B	2.64	129.13	125.06
31	lH	203	PEB	CMB-C2B-C1B	2.64	129.13	125.06
31	SF	201	PEB	C2A-C1A-NA	2.64	110.55	108.27
31	DI	201	PEB	CHB-C4B-C3B	-2.64	119.22	125.32
31	rF	201	PEB	C1B-C2B-C3B	-2.64	103.48	106.51
31	NE	201	PEB	OD-C4D-ND	-2.64	122.02	125.93
31	Q2	203	PEB	CHC-C1D-ND	-2.64	110.88	113.95
31	g6	203	PEB	CHC-C1D-ND	-2.64	110.88	113.95
31	L9	201	PEB	OA-C1A-C2A	-2.64	124.08	126.17
31	lH	201	PEB	CHA-C1B-NB	-2.64	119.41	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	mD	202	PEB	CHB-C4B-C3B	-2.64	119.22	125.32
31	kF	203	PEB	CHB-C4B-C3B	-2.64	119.22	125.32
31	O4	202	PEB	CMB-C2B-C1B	2.64	129.13	125.06
31	ZD	203	PEB	C4B-C3B-C2B	-2.64	103.86	106.78
31	a4	203	PEB	C4B-C3B-C2B	-2.64	103.86	106.78
32	wF	304	PUB	OA-C1A-NA	-2.64	122.02	125.93
31	XH	201	PEB	C1B-C2B-C3B	-2.64	103.48	106.51
31	DF	202	PEB	C2A-C1A-NA	2.64	110.55	108.27
33	M2	201	CYC	C2C-C1C-NC	2.64	110.55	108.27
31	DK	201	PEB	C3B-C4B-NB	2.64	113.89	110.05
31	d4	202	PEB	C3B-C4B-NB	2.64	113.89	110.05
31	VG	202	PEB	CMB-C2B-C1B	2.64	129.13	125.06
31	S4	201	PEB	C4B-C3B-C2B	-2.64	103.86	106.78
31	FH	201	PEB	C1B-C2B-C3B	-2.64	103.48	106.51
31	UD	201	PEB	OD-C4D-C3D	-2.64	123.49	129.46
31	UI	204	PEB	OD-C4D-C3D	-2.64	123.49	129.46
31	fC	203	PEB	C2A-C1A-NA	2.64	110.55	108.27
31	cC	201	PEB	C2A-C1A-NA	2.64	110.55	108.27
33	FE	1001	CYC	CHB-C1B-NB	-2.64	120.40	126.06
31	cA	401	PEB	C3B-C4B-NB	2.64	113.88	110.05
31	l8	203	PEB	OD-C4D-C3D	-2.64	123.49	129.46
31	GI	202	PEB	C1B-C2B-C3B	-2.64	103.48	106.51
31	L9	203	PEB	C1B-C2B-C3B	-2.64	103.48	106.51
31	B9	201	PEB	OA-C1A-C2A	-2.64	124.08	126.17
31	m6	203	PEB	OD-C4D-C3D	-2.64	123.49	129.46
31	cH	202	PEB	OD-C4D-C3D	-2.64	123.49	129.46
31	QJ	202	PEB	CMB-C2B-C1B	2.64	129.12	125.06
31	VK	201	PEB	CAB-CBB-CGB	-2.64	107.93	113.60
31	E5	201	PEB	CAC-CBC-CGC	-2.64	106.37	113.76
31	PC	202	PEB	C3B-C4B-NB	2.64	113.88	110.05
31	i2	202	PEB	OD-C4D-C3D	-2.64	123.49	129.46
31	N8	202	PEB	C1B-C2B-C3B	-2.64	103.48	106.51
31	mB	201	PEB	C1B-C2B-C3B	-2.64	103.48	106.51
31	D1	203	PEB	CHB-C4B-NB	-2.64	125.17	128.83
32	yF	302	PUB	CHA-C4A-NA	-2.64	110.89	113.95
31	XK	203	PEB	CBA-CAA-C3A	2.64	119.33	113.47
31	GG	203	PEB	CMB-C2B-C1B	2.64	129.12	125.06
31	IA	201	PEB	C3B-C4B-NB	2.63	113.88	110.05
31	GF	202	PEB	CAC-CBC-CGC	2.63	121.14	113.76
31	gC	203	PEB	CBC-CAC-C2C	2.63	117.12	112.62
31	P6	203	PEB	OD-C4D-C3D	-2.63	123.49	129.46
31	jB	201	PEB	C4B-C3B-C2B	-2.63	103.87	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	jE	201	PEB	C4B-C3B-C2B	-2.63	103.87	106.78
31	Y8	202	PEB	CHC-C1D-ND	-2.63	110.89	113.95
31	kC	201	PEB	CAA-C3A-C4A	2.63	119.44	112.67
31	A2	301	PEB	OD-C4D-C3D	-2.63	123.49	129.46
31	cE	201	PEB	OD-C4D-C3D	-2.63	123.49	129.46
31	pF	202	PEB	CHA-C1B-NB	-2.63	119.42	124.93
31	PF	202	PEB	C1B-C2B-C3B	-2.63	103.48	106.51
31	mD	203	PEB	C3B-C4B-NB	2.63	113.88	110.05
33	y3	1001	CYC	CMD-C2D-C3D	-2.63	119.98	124.94
31	V6	201	PEB	CAB-CBB-CGB	-2.63	107.94	113.60
31	a2	202	PEB	OD-C4D-ND	-2.63	122.03	125.93
31	YH	202	PEB	OD-C4D-C3D	-2.63	123.49	129.46
31	l4	203	PEB	OD-C4D-C3D	-2.63	123.49	129.46
31	dF	202	PEB	OD-C4D-C3D	-2.63	123.49	129.46
31	J5	201	PEB	C2A-C1A-NA	2.63	110.54	108.27
31	iE	201	PEB	C2A-C1A-NA	2.63	110.54	108.27
33	NB	1001	CYC	CAA-C2A-C3A	2.63	132.78	127.88
31	iF	201	PEB	C3B-C4B-NB	2.63	113.88	110.05
31	aD	202	PEB	OD-C4D-C3D	-2.63	123.50	129.46
31	RB	202	PEB	C1B-C2B-C3B	-2.63	103.48	106.51
31	ZC	201	PEB	C1B-C2B-C3B	-2.63	103.48	106.51
31	GF	202	PEB	C1C-CHB-C4B	-2.63	125.66	128.81
31	Q8	202	PEB	CMB-C2B-C1B	2.63	129.12	125.06
31	WE	203	PEB	OD-C4D-C3D	-2.63	123.50	129.46
31	I5	201	PEB	C3B-C4B-NB	2.63	113.88	110.05
31	T6	203	PEB	C3B-C4B-NB	2.63	113.88	110.05
31	L1	203	PEB	C2A-C1A-NA	2.63	110.54	108.27
31	ZC	203	PEB	C1B-C2B-C3B	-2.63	103.49	106.51
31	X8	202	PEB	CHA-C1B-C2B	2.63	131.67	124.90
31	h4	201	PEB	CMB-C2B-C1B	2.63	129.12	125.06
31	OE	202	PEB	C4B-C3B-C2B	-2.63	103.87	106.78
31	JG	202	PEB	CHB-C4B-NB	-2.63	125.18	128.83
31	YF	201	PEB	OD-C4D-C3D	-2.63	123.50	129.46
31	X1	202	PEB	CMB-C2B-C1B	2.63	129.12	125.06
31	OI	202	PEB	OA-C1A-C2A	-2.63	124.08	126.17
31	E8	201	PEB	OD-C4D-C3D	-2.63	123.50	129.46
31	YG	202	PEB	CAB-C3B-C4B	2.63	129.66	125.01
31	PF	202	PEB	C4B-C3B-C2B	-2.63	103.87	106.78
31	JB	1002	PEB	OD-C4D-ND	-2.63	122.03	125.93
31	Y1	301	PEB	OD-C4D-ND	-2.63	122.03	125.93
31	XK	202	PEB	CMB-C2B-C1B	2.63	129.12	125.06
31	X8	201	PEB	CAB-C3B-C4B	2.63	129.66	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VD	201	PEB	CHA-C1B-NB	-2.63	119.43	124.93
31	PC	201	PEB	CHB-C4B-NB	-2.63	125.18	128.83
31	cC	202	PEB	C3B-C4B-NB	2.63	113.88	110.05
31	C9	201	PEB	OD-C4D-C3D	-2.63	123.50	129.46
31	l8	202	PEB	C1B-C2B-C3B	-2.63	103.49	106.51
31	U4	201	PEB	CHA-C1B-NB	-2.63	119.43	124.93
31	KA	303	PEB	C3D-C4D-ND	2.63	112.42	107.26
31	C8	202	PEB	CBB-CAB-C3B	-2.63	105.32	112.63
31	SJ	201	PEB	C1C-CHB-C4B	2.63	131.95	128.81
31	SE	201	PEB	CMB-C2B-C1B	2.63	129.11	125.06
31	NJ	203	PEB	CMB-C2B-C1B	2.63	129.11	125.06
31	RI	202	PEB	C1B-C2B-C3B	-2.63	103.49	106.51
31	R6	202	PEB	C1B-C2B-C3B	-2.63	103.49	106.51
31	M1	201	PEB	CAB-CBB-CGB	-2.63	107.94	113.60
31	QI	201	PEB	CHC-C1D-ND	-2.63	110.89	113.95
31	XK	201	PEB	CAC-CBC-CGC	-2.63	106.39	113.76
31	C5	202	PEB	CHC-C4C-C3C	-2.63	125.85	130.34
31	d8	201	PEB	C3B-C4B-NB	2.63	113.87	110.05
31	Q5	202	PEB	CMB-C2B-C1B	2.63	129.11	125.06
31	QE	202	PEB	OA-C1A-C2A	-2.63	124.08	126.17
31	Z2	203	PEB	OA-C1A-C2A	-2.63	124.08	126.17
31	EJ	202	PEB	C2A-C1A-NA	2.63	110.54	108.27
31	FC	1002	PEB	C1B-C2B-C3B	-2.63	103.49	106.51
31	U9	202	PEB	C1B-C2B-C3B	-2.63	103.49	106.51
31	C4	201	PEB	OD-C4D-C3D	-2.63	123.50	129.46
31	BJ	203	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	W5	202	PEB	CHC-C4C-C3C	-2.63	125.86	130.34
31	IF	203	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	cD	201	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	t8	201	PEB	C4B-C3B-C2B	-2.63	103.88	106.78
31	lF	203	PEB	OD-C4D-C3D	-2.63	123.51	129.46
32	ZI	302	PUB	CMD-C2D-C3D	2.63	131.71	127.77
31	n8	202	PEB	OD-C4D-ND	-2.63	122.04	125.93
31	JG	201	PEB	CHC-C4C-C3C	-2.63	125.86	130.34
31	n8	202	PEB	C4B-C3B-C2B	-2.63	103.88	106.78
33	J2	1001	CYC	CAD-CBD-CGD	-2.63	106.40	113.76
31	S8	202	PEB	CBB-CAB-C3B	-2.63	105.33	112.63
31	TB	201	PEB	CHB-C4B-C3B	-2.63	119.25	125.32
31	ZB	201	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	L1	202	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	GK	202	PEB	CMB-C2B-C1B	2.63	129.11	125.06
31	DJ	201	PEB	CHA-C1B-NB	-2.63	119.44	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZC	201	PEB	OD-C4D-ND	-2.63	122.04	125.93
33	y3	1001	CYC	CAA-C2A-C1A	2.63	129.65	125.01
31	RF	201	PEB	C1B-C2B-C3B	-2.63	103.49	106.51
31	LK	201	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	g8	202	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	iC	202	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	DH	201	PEB	C3B-C4B-NB	2.63	113.87	110.05
31	F1	203	PEB	CAC-CBC-CGC	-2.63	106.40	113.76
31	eE	201	PEB	OD-C4D-C3D	-2.63	123.51	129.46
31	AD	304	PEB	OD-C4D-C3D	-2.62	123.51	129.46
31	X5	203	PEB	OD-C4D-C3D	-2.62	123.51	129.46
31	D6	1002	PEB	OD-C4D-C3D	-2.62	123.51	129.46
31	OH	202	PEB	C3B-C4B-NB	2.62	113.87	110.05
31	L4	201	PEB	CBC-CAC-C2C	-2.62	108.14	112.62
31	U7	201	PEB	C2B-C1B-NB	2.62	116.13	110.53
31	T6	201	PEB	CHB-C4B-C3B	-2.62	119.26	125.32
31	V1	201	PEB	CAB-CBB-CGB	-2.62	107.96	113.60
31	W5	201	PEB	CBC-CAC-C2C	-2.62	108.14	112.62
31	GA	203	PEB	C1B-C2B-C3B	-2.62	103.50	106.51
31	i8	201	PEB	C3B-C4B-NB	2.62	113.87	110.05
31	R4	202	PEB	CAA-C3A-C2A	-2.62	107.70	114.26
31	ZI	301	PEB	C2A-C1A-NA	2.62	110.53	108.27
31	QC	202	PEB	C4B-C3B-C2B	-2.62	103.88	106.78
31	K4	201	PEB	C4B-C3B-C2B	-2.62	103.88	106.78
31	QC	201	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	UE	201	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	PH	201	PEB	C3B-C4B-NB	2.62	113.86	110.05
31	A9	202	PEB	OD-C4D-ND	-2.62	122.04	125.93
31	OG	202	PEB	CHC-C1D-ND	2.62	116.99	113.95
31	KI	202	PEB	C1B-C2B-C3B	-2.62	103.50	106.51
31	R2	201	PEB	CHA-C1B-NB	-2.62	119.45	124.93
31	gB	201	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	fE	202	PEB	CAB-C3B-C4B	2.62	129.65	125.01
31	WG	203	PEB	CHB-C4B-C3B	-2.62	119.26	125.32
31	YE	202	PEB	CMB-C2B-C1B	2.62	129.10	125.06
31	IG	202	PEB	CMB-C2B-C1B	2.62	129.10	125.06
31	QK	202	PEB	CMB-C2B-C1B	2.62	129.10	125.06
31	cE	201	PEB	C1C-CHB-C4B	2.62	131.94	128.81
31	N5	202	PEB	OD-C4D-ND	-2.62	122.05	125.93
33	C6	1001	CYC	CBC-CAC-C3C	-2.62	107.63	113.47
31	IK	202	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	G4	202	PEB	CHA-C1B-NB	-2.62	119.45	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	iH	201	PEB	CHA-C1B-NB	-2.62	119.45	124.93
31	zF	501	PEB	CBB-CAB-C3B	-2.62	105.34	112.63
33	DE	1001	CYC	CAB-C3B-C2B	2.62	132.01	127.53
31	fH	201	PEB	CMB-C2B-C1B	2.62	129.10	125.06
31	HF	202	PEB	C1B-C2B-C3B	-2.62	103.50	106.51
31	UJ	201	PEB	C1B-C2B-C3B	-2.62	103.50	106.51
33	H6	1001	CYC	C4A-C3A-C2A	-2.62	103.50	106.51
31	DA	202	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	aE	202	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	ND	201	PEB	OD-C4D-ND	-2.62	122.05	125.93
31	j6	201	PEB	C4B-C3B-C2B	-2.62	103.88	106.78
31	cF	201	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	E4	202	PEB	CMB-C2B-C1B	2.62	129.10	125.06
31	OH	202	PEB	CHA-C1B-NB	-2.62	119.45	124.93
31	TI	202	PEB	C1B-C2B-C3B	-2.62	103.50	106.51
31	fH	203	PEB	OD-C4D-C3D	-2.62	123.52	129.46
31	I5	202	PEB	CHA-C1B-NB	-2.62	119.45	124.93
31	WK	201	PEB	C4B-C3B-C2B	-2.62	103.88	106.78
31	PJ	202	PEB	OD-C4D-ND	-2.62	122.05	125.93
31	fA	301	PEB	OD-C4D-ND	-2.62	122.05	125.93
33	C2	1001	CYC	C2A-C1A-NA	2.62	113.86	110.05
31	WF	201	PEB	C2A-C3A-C4A	-2.62	97.42	101.34
32	A5	303	PUB	CBB-CAB-C3B	2.62	117.09	112.62
31	YJ	201	PEB	OD-C4D-ND	-2.62	122.05	125.93
31	PJ	201	PEB	C3B-C4B-NB	2.62	113.86	110.05
31	jD	201	PEB	C3B-C4B-NB	2.62	113.86	110.05
31	DC	1002	PEB	OD-C4D-C3D	-2.62	123.53	129.46
31	T7	201	PEB	CAB-C3B-C4B	2.62	129.64	125.01
31	X1	202	PEB	CHA-C4A-NA	2.62	128.32	125.20
33	x3	1001	CYC	CMA-C3A-C4A	2.62	129.10	125.06
31	mH	201	PEB	CHC-C4C-C3C	-2.62	125.87	130.34
31	RJ	201	PEB	CHA-C1B-NB	-2.62	119.45	124.93
31	B4	301	PEB	CHA-C1B-NB	-2.62	119.45	124.93
31	B8	202	PEB	CHA-C1B-NB	-2.62	119.45	124.93
31	jF	202	PEB	C1B-C2B-C3B	-2.62	103.50	106.51
31	MK	201	PEB	CAB-CBB-CGB	-2.62	107.97	113.60
31	FI	202	PEB	CHA-C1B-NB	-2.62	119.46	124.93
31	a4	204	PEB	C4B-C3B-C2B	-2.62	103.89	106.78
31	Z2	202	PEB	CMB-C2B-C1B	2.62	129.10	125.06
31	V8	202	PEB	CAC-CBC-CGC	-2.62	106.42	113.76
31	ZA	202	PEB	CHC-C1D-ND	-2.62	110.91	113.95
31	fC	203	PEB	CHA-C1B-NB	-2.62	119.46	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	A6	303	PUB	OA-C1A-NA	-2.62	122.05	125.93
31	i2	202	PEB	OA-C1A-NA	2.62	128.11	124.94
31	u8	201	PEB	C4B-C3B-C2B	-2.62	103.89	106.78
31	WE	201	PEB	CHB-C4B-NB	-2.62	125.20	128.83
31	D9	203	PEB	OD-C4D-ND	-2.62	122.05	125.93
31	sF	202	PEB	OD-C4D-ND	-2.62	122.05	125.93
31	DJ	201	PEB	CHC-C1D-ND	-2.62	110.91	113.95
31	V7	201	PEB	CHC-C4C-C3C	-2.62	125.87	130.34
31	jD	201	PEB	CBC-CAC-C2C	-2.62	108.15	112.62
31	VJ	203	PEB	C2A-C1A-NA	2.62	110.53	108.27
31	OD	203	PEB	CMB-C2B-C1B	2.62	129.09	125.06
31	EJ	201	PEB	CAC-CBC-CGC	-2.62	106.42	113.76
31	OI	203	PEB	CHA-C4A-NA	-2.62	122.09	125.20
31	DG	202	PEB	OD-C4D-ND	-2.62	122.05	125.93
32	A2	303	PUB	OD-C4D-ND	-2.62	122.05	125.93
31	H5	202	PEB	C4B-C3B-C2B	-2.62	103.89	106.78
31	R7	202	PEB	C3B-C4B-NB	2.62	113.86	110.05
31	KG	203	PEB	CMB-C2B-C1B	2.62	129.09	125.06
31	A4	301	PEB	CMB-C2B-C1B	2.62	129.09	125.06
31	cD	202	PEB	C1B-C2B-C3B	-2.62	103.50	106.51
31	J1	201	PEB	OD-C4D-C3D	-2.62	123.53	129.46
31	P5	202	PEB	CAA-C3A-C2A	-2.62	107.72	114.26
31	VJ	203	PEB	C3B-C4B-NB	2.62	113.85	110.05
31	NG	202	PEB	CMB-C2B-C1B	2.62	129.09	125.06
31	p8	202	PEB	CHA-C1B-NB	-2.62	119.46	124.93
33	ID	1001	CYC	CBC-CAC-C3C	-2.62	107.64	113.47
31	DK	203	PEB	CHB-C4B-NB	-2.62	125.20	128.83
31	DB	1002	PEB	OD-C4D-C3D	-2.62	123.53	129.46
31	D2	1002	PEB	OD-C4D-C3D	-2.62	123.53	129.46
31	k6	201	PEB	OD-C4D-C3D	-2.62	123.53	129.46
31	fE	202	PEB	OD-C4D-C3D	-2.62	123.53	129.46
31	cB	201	PEB	OD-C4D-ND	-2.62	122.06	125.93
32	M9	304	PUB	OA-C1A-NA	-2.62	122.06	125.93
31	SF	201	PEB	CMB-C2B-C1B	2.61	129.09	125.06
31	Z9	303	PEB	C2B-C1B-NB	2.61	116.11	110.53
31	j2	202	PEB	OD-C4D-C3D	-2.61	123.54	129.46
31	C8	203	PEB	C4B-C3B-C2B	-2.61	103.89	106.78
31	dC	202	PEB	C4B-C3B-C2B	-2.61	103.89	106.78
31	WJ	201	PEB	CBC-CAC-C2C	-2.61	108.16	112.62
32	AD	302	PUB	CAC-C2C-C1C	2.61	129.63	125.01
32	AE	302	PUB	CHA-C4A-NA	-2.61	110.91	113.95
32	ZI	302	PUB	OD-C4D-ND	-2.61	122.06	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	aF	203	PEB	CHB-C4B-NB	-2.61	125.20	128.83
31	D1	202	PEB	C3B-C4B-NB	2.61	113.85	110.05
31	XA	202	PEB	CAB-CBB-CGB	-2.61	107.98	113.60
31	l8	202	PEB	OD-C4D-C3D	-2.61	123.54	129.46
31	z8	501	PEB	CBB-CAB-C3B	-2.61	105.36	112.63
31	DB	1002	PEB	CAB-C3B-C4B	2.61	129.63	125.01
31	WH	201	PEB	CHA-C4A-NA	2.61	128.31	125.20
31	RE	202	PEB	CAC-CBC-CGC	-2.61	106.43	113.76
31	CH	202	PEB	OD-C4D-C3D	-2.61	123.54	129.46
31	R2	201	PEB	CHB-C4B-NB	-2.61	125.20	128.83
31	F9	202	PEB	CMA-C2A-C1A	-2.61	106.77	112.40
31	CG	202	PEB	CMB-C2B-C1B	2.61	129.09	125.06
31	Q1	202	PEB	CMB-C2B-C1B	2.61	129.09	125.06
31	P7	201	PEB	CHC-C4C-C3C	-2.61	125.88	130.34
32	w8	304	PUB	CMD-C2D-C3D	2.61	131.69	127.77
31	B8	202	PEB	OD-C4D-C3D	-2.61	123.54	129.46
31	s8	203	PEB	OD-C4D-C3D	-2.61	123.54	129.46
31	TA	202	PEB	OD-C4D-ND	-2.61	122.06	125.93
31	lD	201	PEB	OD-C4D-C3D	-2.61	123.54	129.46
31	jD	201	PEB	C4B-C3B-C2B	-2.61	103.89	106.78
31	X1	201	PEB	CAC-CBC-CGC	-2.61	106.43	113.76
31	RG	202	PEB	OD-C4D-ND	-2.61	122.06	125.93
31	e8	203	PEB	CHC-C4C-C3C	-2.61	125.88	130.34
31	MI	301	PEB	CMB-C2B-C1B	2.61	129.09	125.06
31	PH	202	PEB	CAA-C3A-C2A	-2.61	107.73	114.26
31	HF	202	PEB	CAB-C3B-C4B	2.61	129.63	125.01
31	lE	202	PEB	C2A-C1A-NA	2.61	110.53	108.27
31	QB	201	PEB	CMD-C2D-C3D	2.61	133.75	130.06
33	l6	1001	CYC	CBC-CAC-C3C	-2.61	107.65	113.47
31	ZD	203	PEB	OA-C1A-C2A	-2.61	124.10	126.17
31	S4	203	PEB	CHA-C1B-NB	-2.61	119.47	124.93
31	mB	203	PEB	OD-C4D-C3D	-2.61	123.54	129.46
31	Q8	203	PEB	CHC-C1D-ND	-2.61	110.91	113.95
33	HB	1001	CYC	C4A-C3A-C2A	-2.61	103.51	106.51
31	c8	202	PEB	CHC-C4C-C3C	-2.61	125.88	130.34
31	W5	201	PEB	OD-C4D-ND	-2.61	122.06	125.93
31	SH	202	PEB	CMB-C2B-C1B	2.61	129.09	125.06
31	SJ	201	PEB	CMB-C2B-C1B	2.61	129.09	125.06
31	O4	201	PEB	C3B-C4B-NB	2.61	113.85	110.05
31	TK	202	PEB	CAB-C3B-C4B	2.61	129.63	125.01
31	i6	201	PEB	OD-C4D-ND	-2.61	122.06	125.93
33	IB	1001	CYC	CBC-CAC-C3C	-2.61	107.65	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	T4	202	PEB	CAA-C3A-C4A	2.61	119.38	112.67
31	M1	202	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	T9	201	PEB	OD-C4D-C3D	-2.61	123.55	129.46
33	x3	1001	CYC	CAA-CBA-CGA	2.61	119.22	113.60
31	EH	203	PEB	CMB-C2B-C1B	2.61	129.08	125.06
31	eF	201	PEB	OD-C4D-ND	-2.61	122.06	125.93
31	P9	201	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	LJ	202	PEB	CHC-C1D-ND	-2.61	110.92	113.95
32	A2	304	PUB	CHC-C1D-ND	-2.61	110.42	113.72
31	CH	202	PEB	CHA-C1B-NB	-2.61	119.47	124.93
32	Z9	304	PUB	OA-C1A-NA	-2.61	122.06	125.93
31	c8	201	PEB	OA-C1A-C2A	-2.61	124.10	126.17
31	I1	202	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	MF	201	PEB	CBC-CAC-C2C	-2.61	108.17	112.62
31	WG	201	PEB	CBC-CAC-C2C	-2.61	108.17	112.62
31	KJ	201	PEB	C1B-C2B-C3B	-2.61	103.51	106.51
31	SD	201	PEB	CMB-C2B-C1B	2.61	129.08	125.06
31	JC	1002	PEB	OD-C4D-ND	-2.61	122.06	125.93
31	ZH	202	PEB	OD-C4D-C3D	-2.61	123.55	129.46
33	JC	1001	CYC	CAD-CBD-CGD	-2.61	106.44	113.76
31	AG	202	PEB	CMB-C2B-C1B	2.61	129.08	125.06
31	RG	202	PEB	CMB-C2B-C1B	2.61	129.08	125.06
31	UA	301	PEB	C1C-CHB-C4B	-2.61	125.69	128.81
32	ZI	305	PUB	OA-C1A-NA	-2.61	122.07	125.93
31	WD	202	PEB	CMA-C2A-C1A	-2.61	106.78	112.40
31	O9	202	PEB	CMA-C2A-C1A	-2.61	106.78	112.40
31	h4	202	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	L5	201	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	jC	202	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	BF	202	PEB	CAA-C3A-C4A	-2.61	105.98	112.67
31	R2	201	PEB	OD-C4D-ND	-2.61	122.07	125.93
31	B5	203	PEB	OD-C4D-ND	-2.61	122.07	125.93
31	eA	201	PEB	OD-C4D-ND	-2.61	122.07	125.93
31	MI	302	PEB	C2A-C1A-NA	2.61	110.52	108.27
31	FH	202	PEB	O2B-CGB-CBB	2.61	122.41	114.03
31	V9	201	PEB	OD-C4D-C3D	-2.61	123.55	129.46
33	V3	1001	CYC	CAA-CBA-CGA	2.61	119.21	113.60
31	Z4	201	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	N9	201	PEB	OD-C4D-C3D	-2.61	123.55	129.46
31	DK	201	PEB	OD-C4D-ND	-2.61	122.07	125.93
31	G5	202	PEB	C3B-C4B-NB	2.61	113.84	110.05
31	H6	1002	PEB	OD-C4D-C3D	-2.61	123.55	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VC	202	PEB	C1B-C2B-C3B	-2.61	103.52	106.51
31	B4	301	PEB	C1B-C2B-C3B	-2.61	103.52	106.51
33	NB	1001	CYC	CHA-C1A-NA	-2.61	125.21	128.83
31	LD	1002	PEB	OD-C4D-ND	-2.61	122.07	125.93
31	CI	201	PEB	OD-C4D-ND	-2.61	122.07	125.93
31	C5	201	PEB	OD-C4D-ND	-2.61	122.07	125.93
32	MI	303	PUB	OD-C4D-ND	-2.61	122.07	125.93
31	FF	202	PEB	C4B-NB-C1B	-2.61	101.60	106.51
31	p8	201	PEB	OA-C1A-NA	2.61	128.10	124.94
31	BF	202	PEB	CHA-C1B-NB	-2.61	119.48	124.93
31	DK	203	PEB	CHA-C1B-NB	-2.61	119.48	124.93
31	JA	201	PEB	CMA-C2A-C1A	-2.61	106.79	112.40
31	T5	202	PEB	CHA-C4A-NA	2.61	128.30	125.20
31	l2	201	PEB	CMB-C2B-C1B	2.61	129.08	125.06
31	GG	203	PEB	OD-C4D-ND	-2.61	122.07	125.93
31	H4	202	PEB	CAA-C3A-C2A	-2.60	107.75	114.26
31	OB	202	PEB	C3B-C4B-NB	2.60	113.84	110.05
31	AJ	301	PEB	C3B-C4B-NB	2.60	113.84	110.05
31	MK	202	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	iD	202	PEB	C1C-CHB-C4B	-2.60	125.70	128.81
31	RE	201	PEB	C2A-C1A-NA	2.60	110.52	108.27
31	G9	201	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	kB	201	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	eA	201	PEB	CHA-C1B-NB	-2.60	119.49	124.93
31	cE	202	PEB	C1B-C2B-C3B	-2.60	103.52	106.51
31	S8	201	PEB	CMB-C2B-C1B	2.60	129.07	125.06
31	fD	202	PEB	CAB-C3B-C4B	2.60	129.62	125.01
31	lF	202	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	l2	201	PEB	C3B-C4B-NB	2.60	113.84	110.05
31	X9	201	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	fH	201	PEB	C1B-C2B-C3B	-2.60	103.52	106.51
31	NI	201	PEB	OD-C4D-ND	-2.60	122.07	125.93
32	x8	305	PUB	OD-C4D-ND	-2.60	122.07	125.93
31	D5	202	PEB	C4B-C3B-C2B	-2.60	103.90	106.78
31	N1	202	PEB	CHB-C4B-C3B	-2.60	119.31	125.32
31	U5	202	PEB	CHB-C4B-NB	-2.60	125.22	128.83
31	PD	201	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	K9	201	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	R5	203	PEB	C3B-C4B-NB	2.60	113.83	110.05
31	B5	203	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	VI	202	PEB	C1B-C2B-C3B	-2.60	103.52	106.51
31	H1	202	PEB	CBB-CAB-C3B	-2.60	105.40	112.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PG	202	PEB	CMB-C2B-C1B	2.60	129.07	125.06
31	k4	202	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	A9	201	PEB	OD-C4D-C3D	-2.60	123.56	129.46
31	YF	203	PEB	CBA-CAA-C3A	-2.60	107.67	113.47
31	g8	201	PEB	CHC-C4C-C3C	-2.60	125.90	130.34
31	MI	301	PEB	OD-C4D-C3D	-2.60	123.57	129.46
31	Z2	201	PEB	C1B-C2B-C3B	-2.60	103.52	106.51
31	R8	201	PEB	CAB-CBB-CGB	-2.60	108.00	113.60
31	tF	202	PEB	C3B-C4B-NB	2.60	113.83	110.05
31	RI	202	PEB	CAB-C3B-C4B	2.60	129.61	125.01
31	LJ	201	PEB	OD-C4D-C3D	-2.60	123.57	129.46
31	H8	202	PEB	OD-C4D-C3D	-2.60	123.57	129.46
31	E9	201	PEB	OD-C4D-C3D	-2.60	123.57	129.46
31	pF	201	PEB	OA-C1A-NA	2.60	128.09	124.94
31	aD	202	PEB	CHC-C1D-ND	-2.60	110.93	113.95
31	S5	202	PEB	CHB-C4B-NB	-2.60	125.22	128.83
31	X8	201	PEB	CBC-CAC-C2C	-2.60	108.18	112.62
31	DB	1002	PEB	C1B-C2B-C3B	-2.60	103.52	106.51
31	YG	202	PEB	C1B-C2B-C3B	-2.60	103.52	106.51
31	NJ	202	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	UA	302	PEB	OD-C4D-C3D	-2.60	123.57	129.46
31	t8	201	PEB	CAB-CBB-CGB	-2.60	108.01	113.60
31	OJ	202	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	BK	203	PEB	CAB-CBB-CGB	-2.60	108.01	113.60
31	UJ	202	PEB	CHB-C4B-NB	-2.60	125.22	128.83
31	OG	203	PEB	C3B-C4B-NB	2.60	113.83	110.05
31	KG	203	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	Y7	501	PEB	CMA-C2A-C1A	-2.60	106.80	112.40
31	UA	303	PEB	C1B-C2B-C3B	-2.60	103.52	106.51
31	PI	202	PEB	CAB-C3B-C4B	2.60	129.61	125.01
31	S7	203	PEB	CMB-C2B-C1B	2.60	129.07	125.06
31	RK	203	PEB	CAC-CBC-CGC	-2.60	106.47	113.76
31	R1	203	PEB	CAC-CBC-CGC	-2.60	106.47	113.76
31	Y7	501	PEB	C3B-C4B-NB	2.60	113.83	110.05
31	jF	201	PEB	CHA-C1B-C2B	2.60	131.58	124.90
31	b6	201	PEB	C4B-C3B-C2B	-2.60	103.91	106.78
31	JG	202	PEB	OD-C4D-C3D	-2.60	123.57	129.46
31	cF	203	PEB	CBC-CAC-C2C	2.60	117.05	112.62
31	mD	202	PEB	CMB-C2B-C1B	2.60	129.06	125.06
31	gF	202	PEB	CMB-C2B-C1B	2.60	129.06	125.06
31	S6	201	PEB	OD-C4D-C3D	-2.60	123.57	129.46
31	fB	202	PEB	C3B-C4B-NB	2.60	113.83	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YK	302	PEB	CAB-C3B-C4B	2.60	129.60	125.01
31	XI	201	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	h2	202	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	iB	201	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	GA	202	PEB	CHA-C1B-NB	-2.60	119.50	124.93
31	PC	201	PEB	CAB-CBB-CGB	-2.60	108.01	113.60
31	XF	201	PEB	CBC-CAC-C2C	-2.60	108.19	112.62
31	EF	201	PEB	OD-C4D-C3D	-2.60	123.58	129.46
31	aH	202	PEB	CHA-C1B-NB	-2.60	119.50	124.93
31	O5	202	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	j8	201	PEB	OD-C4D-C3D	-2.60	123.58	129.46
31	N4	202	PEB	O2B-CGB-CBB	2.60	122.37	114.03
31	F8	202	PEB	C4B-NB-C1B	-2.60	101.62	106.51
31	p8	202	PEB	CHC-C4C-C3C	-2.60	125.91	130.34
31	LJ	201	PEB	CAB-C3B-C4B	2.60	129.60	125.01
31	WI	203	PEB	CBC-CAC-C2C	-2.60	108.19	112.62
31	c8	203	PEB	CBC-CAC-C2C	2.60	117.05	112.62
31	W4	201	PEB	OA-C1A-C2A	-2.60	124.11	126.17
31	I7	201	PEB	CMA-C2A-C1A	-2.60	106.81	112.40
31	GD	202	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	XG	202	PEB	OD-C4D-ND	-2.60	122.08	125.93
31	f2	202	PEB	CHA-C4A-NA	-2.60	122.12	125.20
32	wF	304	PUB	CMD-C2D-C3D	2.60	131.66	127.77
31	CI	202	PEB	CAB-C3B-C4B	2.60	129.60	125.01
31	W9	202	PEB	OD-C4D-C3D	-2.60	123.58	129.46
33	ID	1001	CYC	CHA-C1A-NA	-2.59	125.23	128.83
31	PG	202	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	G7	202	PEB	OD-C4D-C3D	-2.59	123.58	129.46
31	XJ	202	PEB	C4B-C3B-C2B	-2.59	103.91	106.78
31	TC	201	PEB	CBC-CAC-C2C	-2.59	108.19	112.62
31	QA	203	PEB	CHA-C1B-NB	-2.59	119.51	124.93
31	U4	203	PEB	C1C-CHB-C4B	-2.59	125.71	128.81
31	P5	202	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	R8	201	PEB	CMB-C2B-C1B	2.59	129.06	125.06
31	SH	203	PEB	CAA-C3A-C4A	-2.59	106.01	112.67
31	IJ	202	PEB	CHA-C1B-NB	-2.59	119.51	124.93
31	R9	201	PEB	OD-C4D-C3D	-2.59	123.58	129.46
31	o8	202	PEB	C4B-C3B-C2B	-2.59	103.91	106.78
31	O6	202	PEB	C3B-C4B-NB	2.59	113.82	110.05
31	W8	201	PEB	C2A-C3A-C4A	-2.59	97.45	101.34
31	HA	203	PEB	C1B-C2B-C3B	-2.59	103.53	106.51
31	ZC	202	PEB	CMB-C2B-C1B	2.59	129.06	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gB	203	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	cD	202	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	D1	203	PEB	CHA-C1B-NB	-2.59	119.51	124.93
31	s8	203	PEB	OA-C1A-C2A	-2.59	124.11	126.17
33	M2	201	CYC	CHB-C4A-NA	-2.59	119.51	124.93
31	M4	203	PEB	CBC-CAC-C2C	-2.59	108.19	112.62
31	YI	202	PEB	CHA-C4A-NA	-2.59	122.12	125.20
31	BH	301	PEB	CAB-CBB-CGB	-2.59	108.02	113.60
31	NG	202	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	II	201	PEB	OD-C4D-ND	-2.59	122.09	125.93
32	AB	303	PUB	OA-C1A-NA	-2.59	122.09	125.93
31	DE	1002	PEB	CAA-C3A-C4A	-2.59	106.02	112.67
31	SB	202	PEB	OD-C4D-C3D	-2.59	123.59	129.46
31	H9	203	PEB	OD-C4D-C3D	-2.59	123.59	129.46
31	WC	202	PEB	CMC-C3C-C2C	2.59	129.83	124.94
31	ZF	201	PEB	C2A-C1A-NA	2.59	110.51	108.27
31	IG	202	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	AG	203	PEB	CHC-C1D-ND	2.59	116.96	113.95
31	P8	202	PEB	C1B-C2B-C3B	-2.59	103.53	106.51
31	UA	303	PEB	OD-C4D-C3D	-2.59	123.59	129.46
31	IH	203	PEB	C3B-C4B-NB	2.59	113.82	110.05
32	w8	304	PUB	C2C-C1C-NC	2.59	113.82	110.05
31	EI	202	PEB	CAB-C3B-C4B	2.59	129.59	125.01
31	HB	1002	PEB	OD-C4D-C3D	-2.59	123.59	129.46
31	Q9	201	PEB	OD-C4D-C3D	-2.59	123.59	129.46
31	RH	201	PEB	CBC-CAC-C2C	-2.59	108.20	112.62
31	VC	201	PEB	C4B-C3B-C2B	-2.59	103.92	106.78
31	RE	202	PEB	CHA-C1B-NB	-2.59	119.51	124.93
31	ZA	201	PEB	CAB-CBB-CGB	-2.59	108.03	113.60
31	F7	201	PEB	CBC-CAC-C2C	-2.59	108.20	112.62
31	O6	201	PEB	CHC-C1D-ND	-2.59	110.94	113.95
31	OG	201	PEB	CAA-C3A-C2A	-2.59	107.79	114.26
32	AB	303	PUB	C2C-C1C-NC	2.59	113.82	110.05
31	Y2	201	PEB	C4B-C3B-C2B	-2.59	103.92	106.78
31	UE	203	PEB	CBA-CAA-C3A	-2.59	107.70	113.47
31	DA	201	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	FK	203	PEB	CAC-CBC-CGC	-2.59	106.50	113.76
31	D9	202	PEB	OD-C4D-C3D	-2.59	123.59	129.46
33	ED	1001	CYC	CMB-C2B-C1B	2.59	127.40	124.17
31	W7	202	PEB	CMA-C2A-C1A	-2.59	106.82	112.40
31	f2	203	PEB	C4B-C3B-C2B	-2.59	103.92	106.78
33	IE	1001	CYC	CBC-CAC-C3C	-2.59	107.70	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	LC	1001	CYC	CHB-C4A-NA	-2.59	119.52	124.93
33	DD	1001	CYC	C2C-C1C-NC	2.59	110.50	108.27
31	BI	202	PEB	OD-C4D-ND	-2.59	122.09	125.93
31	CK	201	PEB	C4B-C3B-C2B	-2.59	103.92	106.78
31	VK	203	PEB	C1C-CHB-C4B	2.59	131.90	128.81
31	TG	203	PEB	CMB-C2B-C1B	2.59	129.05	125.06
31	eA	201	PEB	C1B-C2B-C3B	-2.59	103.54	106.51
31	NE	201	PEB	CAC-CBC-CGC	-2.59	106.50	113.76
31	Y6	203	PEB	OD-C4D-C3D	-2.59	123.60	129.46
31	LF	201	PEB	C3B-C4B-NB	2.59	113.81	110.05
31	IJ	201	PEB	C3B-C4B-NB	2.59	113.81	110.05
31	J2	1002	PEB	OD-C4D-ND	-2.59	122.10	125.93
31	T7	201	PEB	CHA-C1B-NB	-2.59	119.52	124.93
31	EF	202	PEB	CHB-C4B-NB	-2.59	125.24	128.83
32	wF	304	PUB	C2C-C1C-NC	2.59	113.81	110.05
31	aF	201	PEB	OD-C4D-ND	-2.59	122.10	125.93
31	WA	401	PEB	CHA-C1B-NB	-2.59	119.52	124.93
31	K9	201	PEB	CHC-C4C-C3C	-2.59	125.92	130.34
31	J9	203	PEB	CAC-CBC-CGC	-2.59	106.51	113.76
31	kC	203	PEB	CMB-C2B-C1B	2.59	129.05	125.06
31	AI	202	PEB	CAB-C3B-C4B	2.59	129.59	125.01
31	OA	201	PEB	C3B-C4B-NB	2.59	113.81	110.05
31	Q4	203	PEB	C2A-C1A-NA	2.59	110.50	108.27
31	W1	201	PEB	C4B-C3B-C2B	-2.59	103.92	106.78
31	XJ	203	PEB	CHC-C4C-C3C	-2.59	125.92	130.34
31	C9	201	PEB	CHC-C4C-C3C	-2.59	125.92	130.34
31	G9	201	PEB	CHC-C4C-C3C	-2.59	125.92	130.34
33	ED	1001	CYC	C4A-C3A-C2A	-2.59	103.54	106.51
31	I9	201	PEB	OD-C4D-C3D	-2.59	123.60	129.46
31	mB	201	PEB	CAB-CBB-CGB	-2.59	108.04	113.60
31	F9	201	PEB	CMB-C2B-C1B	2.59	129.05	125.06
31	PE	201	PEB	CHC-C1D-ND	-2.59	110.94	113.95
31	I7	201	PEB	CHB-C4B-C3B	-2.59	119.35	125.32
31	W4	202	PEB	OD-C4D-C3D	-2.59	123.60	129.46
31	jF	201	PEB	OD-C4D-C3D	-2.59	123.60	129.46
31	TB	201	PEB	C1B-C2B-C3B	-2.59	103.54	106.51
31	R4	202	PEB	C3B-C4B-NB	2.59	113.81	110.05
32	AE	303	PUB	OD-C4D-ND	-2.59	122.10	125.93
31	W9	203	PEB	CHC-C4C-C3C	-2.59	125.93	130.34
31	HK	202	PEB	CBB-CAB-C3B	-2.58	105.44	112.63
31	R4	202	PEB	CHA-C1B-NB	-2.58	119.53	124.93
31	X4	201	PEB	C1B-C2B-C3B	-2.58	103.54	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	uF	203	PEB	C3B-C4B-NB	2.58	113.81	110.05
31	gH	202	PEB	C3B-C4B-NB	2.58	113.81	110.05
31	HF	201	PEB	OD-C4D-C3D	-2.58	123.60	129.46
31	D2	1002	PEB	C2A-C1A-NA	2.58	110.50	108.27
31	D5	201	PEB	CHC-C1D-ND	-2.58	110.95	113.95
31	h8	201	PEB	OD-C4D-C3D	-2.58	123.61	129.46
31	sF	203	PEB	OD-C4D-C3D	-2.58	123.61	129.46
33	DD	1001	CYC	CAB-C3B-C2B	2.58	131.95	127.53
31	P5	201	PEB	C3B-C4B-NB	2.58	113.81	110.05
31	RI	201	PEB	OD-C4D-ND	-2.58	122.10	125.93
31	j6	201	PEB	OD-C4D-ND	-2.58	122.10	125.93
31	j8	201	PEB	CHA-C1B-C2B	2.58	131.54	124.90
31	G8	202	PEB	CAC-CBC-CGC	2.58	121.00	113.76
31	RB	203	PEB	C3B-C4B-NB	2.58	113.81	110.05
31	LK	202	PEB	OD-C4D-C3D	-2.58	123.61	129.46
31	K8	202	PEB	C1C-CHB-C4B	2.58	131.90	128.81
31	B1	203	PEB	C2A-C1A-NA	2.58	110.50	108.27
31	WF	202	PEB	OA-C1A-C2A	-2.58	124.12	126.17
31	mE	202	PEB	CMB-C2B-C1B	2.58	129.04	125.06
31	Y6	201	PEB	C1B-C2B-C3B	-2.58	103.54	106.51
31	SK	201	PEB	C4B-C3B-C2B	-2.58	103.92	106.78
32	wF	304	PUB	CHB-C1C-C2C	-2.58	119.35	125.32
31	II	202	PEB	CAB-C3B-C4B	2.58	129.58	125.01
31	R5	201	PEB	CAB-C3B-C4B	2.58	129.58	125.01
31	JI	201	PEB	OD-C4D-C3D	-2.58	123.61	129.46
31	UB	202	PEB	OD-C4D-ND	-2.58	122.10	125.93
31	SG	202	PEB	OD-C4D-ND	-2.58	122.10	125.93
31	NK	202	PEB	CHB-C4B-C3B	-2.58	119.35	125.32
31	lC	202	PEB	OD-C4D-C3D	-2.58	123.61	129.46
31	C1	201	PEB	C4B-C3B-C2B	-2.58	103.92	106.78
31	RD	201	PEB	C2A-C1A-NA	2.58	110.50	108.27
31	TA	201	PEB	CMA-C2A-C1A	-2.58	106.84	112.40
31	m6	202	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	e2	202	PEB	OA-C1A-C2A	-2.58	124.12	126.17
31	M9	303	PEB	C2B-C1B-NB	2.58	116.04	110.53
31	S4	203	PEB	CMB-C2B-C1B	2.58	129.04	125.06
31	PH	201	PEB	CAB-CBB-CGB	-2.58	108.05	113.60
31	lD	202	PEB	C1C-CHB-C4B	-2.58	125.72	128.81
31	FH	202	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	KI	201	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	RC	201	PEB	CHB-C4B-C3B	-2.58	119.36	125.32
31	h2	202	PEB	CMB-C2B-C1B	2.58	129.04	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WG	203	PEB	CHC-C1D-ND	-2.58	110.95	113.95
31	R9	201	PEB	CHC-C4C-C3C	-2.58	125.94	130.34
31	YE	201	PEB	CMA-C2A-C1A	-2.58	106.84	112.40
31	XI	202	PEB	CAB-C3B-C4B	2.58	129.57	125.01
31	cD	202	PEB	C3B-C4B-NB	2.58	113.80	110.05
31	lE	201	PEB	C3B-C4B-NB	2.58	113.80	110.05
33	N6	1001	CYC	CHA-C1A-NA	-2.58	125.25	128.83
31	O5	202	PEB	C1B-C2B-C3B	-2.58	103.55	106.51
31	J8	202	PEB	C1B-C2B-C3B	-2.58	103.55	106.51
31	BF	202	PEB	OD-C4D-C3D	-2.58	123.61	129.46
31	OE	203	PEB	CAB-C3B-C4B	2.58	129.57	125.01
31	VI	202	PEB	CAB-C3B-C4B	2.58	129.57	125.01
31	M8	201	PEB	CBC-CAC-C2C	-2.58	108.22	112.62
31	TG	203	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	EI	201	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	a8	203	PEB	CHB-C4B-NB	-2.58	125.25	128.83
31	ZE	203	PEB	CHA-C1B-C2B	2.58	131.53	124.90
31	D6	1002	PEB	C1B-C2B-C3B	-2.58	103.55	106.51
31	AC	301	PEB	C3B-C4B-NB	2.58	113.80	110.05
31	fH	203	PEB	C3B-C4B-NB	2.58	113.80	110.05
31	Y7	504	PEB	CMB-C2B-C1B	2.58	129.04	125.06
31	M8	202	PEB	CHC-C1D-ND	-2.58	110.95	113.95
31	l4	202	PEB	CAA-C3A-C2A	-2.58	107.81	114.26
31	R2	201	PEB	CHB-C4B-C3B	-2.58	119.36	125.32
31	V4	202	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	YE	202	PEB	C1B-C2B-C3B	-2.58	103.55	106.51
31	BI	201	PEB	O2B-CGB-CBB	2.58	122.31	114.03
31	AG	202	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	D1	201	PEB	OD-C4D-ND	-2.58	122.11	125.93
33	NC	1001	CYC	CAD-CBD-CGD	-2.58	106.53	113.76
31	VE	202	PEB	C3B-C4B-NB	2.58	113.80	110.05
31	a6	203	PEB	OD-C4D-C3D	-2.58	123.62	129.46
32	YK	304	PUB	CAC-CBC-CGC	-2.58	108.06	113.60
31	S2	201	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	DD	1002	PEB	CAA-C3A-C4A	-2.58	106.05	112.67
31	CA	202	PEB	C1B-C2B-C3B	-2.58	103.55	106.51
31	CF	203	PEB	C4B-C3B-C2B	-2.58	103.93	106.78
31	YD	201	PEB	CMA-C2A-C1A	-2.58	106.85	112.40
31	c6	201	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	hA	301	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	fD	202	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	NJ	204	PEB	CMB-C2B-C1B	2.58	129.03	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TK	202	PEB	CMB-C2B-C1B	2.58	129.03	125.06
31	OD	203	PEB	CAB-C3B-C4B	2.58	129.57	125.01
31	jE	201	PEB	CBC-CAC-C2C	-2.58	108.22	112.62
31	QE	203	PEB	CHB-C4B-NB	-2.58	125.25	128.83
31	cB	203	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	mE	202	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	k4	201	PEB	CAB-C3B-C4B	2.58	129.57	125.01
31	W7	202	PEB	C4B-C3B-C2B	-2.58	103.93	106.78
31	oF	202	PEB	C4B-C3B-C2B	-2.58	103.93	106.78
31	CG	202	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	EG	202	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	N5	204	PEB	CMB-C2B-C1B	2.58	129.03	125.06
31	OJ	202	PEB	CHC-C1D-ND	-2.58	110.95	113.95
31	D7	201	PEB	CHC-C4C-C3C	-2.58	125.94	130.34
31	F9	201	PEB	CHA-C1B-NB	-2.58	119.54	124.93
31	TK	201	PEB	CHA-C1B-C2B	2.58	131.53	124.90
31	L2	1002	PEB	CAB-CBB-CGB	-2.58	108.06	113.60
32	AH	303	PUB	CAC-CBC-CGC	-2.58	108.06	113.60
31	J4	201	PEB	CBC-CAC-C2C	-2.58	108.22	112.62
31	Q2	201	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	bD	202	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	E1	201	PEB	C4B-C3B-C2B	-2.58	103.93	106.78
31	VB	201	PEB	CAB-CBB-CGB	-2.58	108.06	113.60
31	j2	201	PEB	OA-C1A-C2A	-2.58	124.12	126.17
31	FC	1002	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	OI	201	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	T8	201	PEB	OD-C4D-C3D	-2.58	123.62	129.46
31	ZC	201	PEB	OA-C1A-NA	2.58	128.06	124.94
31	GK	201	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	l6	201	PEB	OD-C4D-ND	-2.58	122.11	125.93
31	QC	202	PEB	C2A-C1A-NA	2.58	110.49	108.27
31	AH	302	PEB	C2A-C1A-NA	2.58	110.49	108.27
31	ND	201	PEB	CAC-CBC-CGC	-2.58	106.54	113.76
31	DA	202	PEB	CHC-C1D-ND	-2.57	110.96	113.95
31	L5	202	PEB	CHC-C1D-ND	-2.57	110.96	113.95
31	X9	201	PEB	CHC-C4C-C3C	-2.57	125.94	130.34
31	T5	201	PEB	CAC-CBC-CGC	-2.57	106.54	113.76
31	B8	201	PEB	CAB-C3B-C4B	2.57	129.56	125.01
33	EE	1001	CYC	CMB-C2B-C1B	2.57	127.38	124.17
31	BK	203	PEB	CHC-C4C-C3C	-2.57	125.95	130.34
31	V9	201	PEB	CHC-C4C-C3C	-2.57	125.95	130.34
31	RH	202	PEB	OD-C4D-C3D	-2.57	123.63	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	qF	201	PEB	OD-C4D-C3D	-2.57	123.63	129.46
31	O6	201	PEB	C4B-C3B-C2B	-2.57	103.93	106.78
31	VI	201	PEB	OD-C4D-ND	-2.57	122.12	125.93
31	Q5	202	PEB	OD-C4D-ND	-2.57	122.12	125.93
32	AH	304	PUB	C2C-C1C-NC	2.57	113.79	110.05
31	gF	202	PEB	OD-C4D-C3D	-2.57	123.63	129.46
31	SI	203	PEB	CAC-CBC-CGC	-2.57	106.54	113.76
31	qF	201	PEB	CBA-CAA-C3A	2.57	119.20	113.47
31	VF	202	PEB	CAB-C3B-C4B	2.57	129.56	125.01
31	TK	203	PEB	CMA-C2A-C1A	-2.57	106.86	112.40
31	QH	203	PEB	OD-C4D-C3D	-2.57	123.63	129.46
31	f4	201	PEB	OD-C4D-C3D	-2.57	123.63	129.46
31	KI	202	PEB	CAB-C3B-C4B	2.57	129.56	125.01
31	mB	202	PEB	OD-C4D-ND	-2.57	122.12	125.93
31	TG	201	PEB	C2B-C1B-NB	2.57	116.02	110.53
31	A9	201	PEB	CHC-C4C-C3C	-2.57	125.95	130.34
33	N6	1001	CYC	CAD-CBD-CGD	-2.57	106.55	113.76
31	cA	403	PEB	CAB-CBB-CGB	-2.57	108.07	113.60
31	c4	201	PEB	CHA-C1B-NB	-2.57	119.55	124.93
31	tF	201	PEB	CHA-C1B-NB	-2.57	119.55	124.93
31	KF	202	PEB	C1C-CHB-C4B	2.57	131.88	128.81
31	FJ	201	PEB	CHC-C1D-ND	-2.57	110.96	113.95
31	l2	203	PEB	OD-C4D-C3D	-2.57	123.63	129.46
31	RJ	201	PEB	CAB-C3B-C4B	2.57	129.56	125.01
31	A2	301	PEB	C3B-C4B-NB	2.57	113.79	110.05
31	B1	203	PEB	CAB-CBB-CGB	-2.57	108.07	113.60
31	RC	201	PEB	CHA-C1B-NB	-2.57	119.55	124.93
31	D5	201	PEB	CHA-C1B-NB	-2.57	119.55	124.93
31	A6	305	PEB	CHC-C1D-ND	-2.57	110.96	113.95
31	X8	203	PEB	OD-C4D-C3D	-2.57	123.63	129.46
31	I9	201	PEB	CHC-C4C-C3C	-2.57	125.95	130.34
33	H2	1001	CYC	OB-C4B-C3B	-2.57	125.25	128.04
31	S1	201	PEB	C4B-C3B-C2B	-2.57	103.94	106.78
31	GI	201	PEB	OD-C4D-ND	-2.57	122.12	125.93
32	xF	305	PUB	OD-C4D-ND	-2.57	122.12	125.93
31	NK	201	PEB	CHA-C1B-C2B	2.57	131.51	124.90
31	XK	202	PEB	CHA-C4A-NA	2.57	128.26	125.20
32	A6	303	PUB	C2C-C1C-NC	2.57	113.79	110.05
31	B1	201	PEB	C1B-C2B-C3B	-2.57	103.56	106.51
31	b2	202	PEB	OD-C4D-C3D	-2.57	123.64	129.46
31	RD	202	PEB	CHA-C1B-NB	-2.57	119.56	124.93
31	YD	202	PEB	CHA-C1B-NB	-2.57	119.56	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WC	203	PEB	C2A-C1A-NA	2.57	110.49	108.27
33	73	1002	CYC	CAA-C2A-C1A	2.57	129.56	125.01
31	g4	202	PEB	CMB-C2B-C1B	2.57	129.02	125.06
31	C1	201	PEB	OD-C4D-C3D	-2.57	123.64	129.46
31	VG	202	PEB	OD-C4D-ND	-2.57	122.12	125.93
31	PI	201	PEB	OD-C4D-ND	-2.57	122.12	125.93
33	GE	201	CYC	CMB-C2B-C1B	2.57	127.38	124.17
31	XJ	201	PEB	CMB-C2B-C1B	2.57	129.02	125.06
31	j6	201	PEB	C2A-C1A-NA	2.57	110.49	108.27
31	MA	202	PEB	C2A-C1A-NA	-2.57	106.06	108.27
31	W9	203	PEB	OD-C4D-C3D	-2.57	123.64	129.46
31	mD	202	PEB	OD-C4D-C3D	-2.57	123.64	129.46
32	A6	302	PUB	C4B-CHB-C1C	-2.57	125.74	128.81
31	RD	202	PEB	CAC-CBC-CGC	-2.57	106.56	113.76
31	RF	201	PEB	CAB-CBB-CGB	-2.57	108.08	113.60
31	m6	201	PEB	CAB-CBB-CGB	-2.57	108.08	113.60
33	HC	1001	CYC	OB-C4B-C3B	-2.57	125.25	128.04
31	B9	203	PEB	OD-C4D-ND	-2.57	122.12	125.93
31	dJ	401	PEB	OD-C4D-C3D	-2.57	123.64	129.46
31	XF	203	PEB	C1B-C2B-C3B	-2.57	103.56	106.51
31	FG	201	PEB	C1B-C2B-C3B	-2.57	103.56	106.51
31	dF	202	PEB	C3B-C4B-NB	2.57	113.78	110.05
31	xF	303	PEB	C2A-C1A-NA	2.57	110.49	108.27
31	B9	201	PEB	O2B-CGB-CBB	2.57	122.28	114.03
31	T1	201	PEB	CHA-C1B-C2B	2.57	131.50	124.90
31	GH	202	PEB	C4B-C3B-C2B	-2.57	103.94	106.78
31	W4	203	PEB	CHB-C4B-C3B	-2.57	119.39	125.32
31	mE	202	PEB	CHB-C4B-C3B	-2.57	119.39	125.32
33	KE	202	CYC	CMB-C2B-C1B	2.57	127.37	124.17
33	NB	1001	CYC	CAD-CBD-CGD	-2.57	106.56	113.76
31	iC	202	PEB	OA-C1A-NA	2.57	128.05	124.94
31	Y9	202	PEB	OD-C4D-C3D	-2.57	123.64	129.46
31	lD	201	PEB	C3B-C4B-NB	2.57	113.78	110.05
31	q8	203	PEB	CHA-C4A-NA	2.57	128.26	125.20
31	B9	201	PEB	CMA-C2A-C1A	-2.57	106.87	112.40
31	EH	201	PEB	OD-C4D-C3D	-2.57	123.64	129.46
31	dB	201	PEB	OD-C4D-C3D	-2.57	123.64	129.46
31	EH	203	PEB	C1C-CHB-C4B	-2.57	125.74	128.81
31	UA	301	PEB	OD-C4D-ND	-2.57	122.13	125.93
31	LJ	202	PEB	C1B-C2B-C3B	-2.57	103.56	106.51
31	gB	203	PEB	CHC-C1D-ND	-2.57	110.97	113.95
32	y8	302	PUB	CHA-C4A-NA	-2.57	110.97	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y6	201	PEB	CHA-C1B-NB	-2.57	119.56	124.93
31	T9	201	PEB	CHC-C4C-C3C	-2.57	125.96	130.34
31	WH	202	PEB	CBC-CAC-C2C	-2.57	108.24	112.62
31	SI	202	PEB	OD-C4D-C3D	-2.57	123.65	129.46
31	e6	201	PEB	OD-C4D-C3D	-2.57	123.65	129.46
31	F9	203	PEB	OD-C4D-C3D	-2.57	123.65	129.46
31	OA	201	PEB	C1B-C2B-C3B	-2.57	103.56	106.51
31	P9	201	PEB	CHC-C4C-C3C	-2.57	125.96	130.34
32	A2	303	PUB	CHA-C1B-C2B	-2.57	125.96	130.34
31	N7	202	PEB	CAC-CBC-CGC	-2.57	106.57	113.76
33	L2	1001	CYC	CHB-C4A-NA	-2.57	119.57	124.93
31	d4	202	PEB	OD-C4D-C3D	-2.57	123.65	129.46
31	Q5	201	PEB	CBA-CAA-C3A	-2.57	107.76	113.47
31	kC	202	PEB	C4B-C3B-C2B	-2.57	103.94	106.78
33	DE	1001	CYC	CAA-C2A-C1A	2.56	129.55	125.01
31	PC	201	PEB	CHB-C4B-C3B	-2.56	119.39	125.32
31	OJ	202	PEB	C1B-C2B-C3B	-2.56	103.56	106.51
31	LG	201	PEB	CAC-CBC-CGC	-2.56	106.57	113.76
31	kD	201	PEB	OD-C4D-ND	-2.56	122.13	125.93
31	T1	203	PEB	CMA-C2A-C1A	-2.56	106.88	112.40
31	WH	202	PEB	CMC-C3C-C2C	2.56	129.78	124.94
31	c2	201	PEB	OD-C4D-C3D	-2.56	123.65	129.46
31	E9	201	PEB	CHC-C4C-C3C	-2.56	125.96	130.34
31	VG	203	PEB	CBC-CAC-C2C	-2.56	108.24	112.62
31	NK	201	PEB	C3B-C4B-NB	2.56	113.78	110.05
31	W2	202	PEB	CMC-C3C-C2C	2.56	129.78	124.94
31	c2	201	PEB	OD-C4D-ND	-2.56	122.13	125.93
31	dA	201	PEB	OD-C4D-ND	-2.56	122.13	125.93
31	TI	202	PEB	CAB-C3B-C4B	2.56	129.54	125.01
31	WA	401	PEB	OD-C4D-C3D	-2.56	123.65	129.46
31	PE	201	PEB	OD-C4D-C3D	-2.56	123.65	129.46
31	N1	201	PEB	CHA-C1B-C2B	2.56	131.49	124.90
31	F6	1002	PEB	CAB-CBB-CGB	-2.56	108.09	113.60
31	DI	203	PEB	CAB-C3B-C4B	2.56	129.54	125.01
31	YI	201	PEB	CAA-C3A-C4A	-2.56	106.09	112.67
32	Y1	304	PUB	CAC-CBC-CGC	-2.56	108.09	113.60
31	O7	203	PEB	OD-C4D-C3D	-2.56	123.65	129.46
31	V4	202	PEB	CAB-C3B-C4B	2.56	129.54	125.01
31	TD	201	PEB	CHC-C4C-C3C	-2.56	125.97	130.34
31	N9	201	PEB	CHC-C4C-C3C	-2.56	125.97	130.34
31	AI	201	PEB	OD-C4D-ND	-2.56	122.13	125.93
31	TI	201	PEB	OD-C4D-ND	-2.56	122.13	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	k8	202	PEB	OD-C4D-ND	-2.56	122.13	125.93
31	jB	201	PEB	OD-C4D-ND	-2.56	122.13	125.93
31	m6	201	PEB	C1B-C2B-C3B	-2.56	103.57	106.51
31	CJ	201	PEB	OD-C4D-ND	-2.56	122.14	125.93
31	R4	201	PEB	OD-C4D-C3D	-2.56	123.66	129.46
31	I8	203	PEB	OD-C4D-C3D	-2.56	123.66	129.46
31	eD	202	PEB	C3B-C4B-NB	2.56	113.78	110.05
33	J2	1001	CYC	C1A-C2A-C3A	-2.56	103.95	106.78
31	F7	201	PEB	C1B-C2B-C3B	-2.56	103.57	106.51
31	L7	202	PEB	C1B-C2B-C3B	-2.56	103.57	106.51
31	gE	201	PEB	OD-C4D-C3D	-2.56	123.66	129.46
31	eB	202	PEB	CHC-C1D-ND	-2.56	110.97	113.95
31	u8	202	PEB	C3B-C4B-NB	2.56	113.77	110.05
31	l4	201	PEB	CHA-C1B-NB	-2.56	119.58	124.93
31	V1	201	PEB	OD-C4D-ND	-2.56	122.14	125.93
31	L7	201	PEB	CHC-C4C-C3C	-2.56	125.97	130.34
31	kC	203	PEB	C3B-C4B-NB	2.56	113.77	110.05
31	KH	202	PEB	C1C-CHB-C4B	2.56	131.87	128.81
31	A2	301	PEB	CHC-C4C-C3C	-2.56	125.97	130.34
31	FI	201	PEB	CHB-C4B-NB	-2.56	125.28	128.83
31	mB	203	PEB	CAB-C3B-C2B	2.56	132.65	127.88
31	X7	201	PEB	CBC-CAC-C2C	-2.56	108.25	112.62
31	LI	201	PEB	OD-C4D-C3D	-2.56	123.66	129.46
31	E7	202	PEB	OD-C4D-C3D	-2.56	123.66	129.46
31	bC	202	PEB	CHC-C4C-C3C	-2.56	125.97	130.34
31	N7	202	PEB	C2A-C1A-NA	2.56	110.48	108.27
31	iC	201	PEB	C2A-C1A-NA	2.56	110.48	108.27
31	UK	202	PEB	C4B-C3B-C2B	-2.56	103.95	106.78
31	U1	202	PEB	C4B-C3B-C2B	-2.56	103.95	106.78
31	IH	203	PEB	C3B-C4B-NB	2.56	113.77	110.05
31	j4	202	PEB	CMB-C2B-C1B	2.56	129.00	125.06
32	AC	303	PUB	CHA-C1B-C2B	-2.56	125.97	130.34
31	aC	202	PEB	OD-C4D-ND	-2.56	122.14	125.93
31	CK	201	PEB	OD-C4D-C3D	-2.56	123.66	129.46
31	JK	202	PEB	OD-C4D-C3D	-2.56	123.66	129.46
31	N1	201	PEB	C3B-C4B-NB	2.56	113.77	110.05
31	j8	202	PEB	C1B-C2B-C3B	-2.56	103.57	106.51
31	d6	201	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	bB	201	PEB	C4B-C3B-C2B	-2.56	103.95	106.78
31	u8	202	PEB	CHA-C4A-NA	2.56	128.25	125.20
31	ZD	203	PEB	CHA-C1B-C2B	2.56	131.48	124.90
31	A7	201	PEB	CHB-C4B-NB	-2.56	125.28	128.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SC	201	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	BG	203	PEB	OD-C4D-ND	-2.56	122.14	125.93
31	B9	201	PEB	C1B-C2B-C3B	-2.56	103.57	106.51
31	mE	201	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	GH	201	PEB	CHC-C1D-ND	-2.56	110.98	113.95
31	AE	301	PEB	CHA-C1B-NB	-2.56	119.58	124.93
31	ID	202	PEB	C2A-C1A-NA	2.56	110.48	108.27
32	QH	202	PUB	C1D-CHC-C4C	-2.56	107.81	113.37
31	YB	201	PEB	CHA-C1B-NB	-2.56	119.59	124.93
31	UA	303	PEB	CBC-CAC-C2C	-2.56	108.26	112.62
31	YE	201	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	J8	201	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	Q9	203	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	P6	203	PEB	CMB-C2B-C1B	2.56	129.00	125.06
31	BJ	201	PEB	OD-C4D-ND	-2.56	122.14	125.93
31	d2	202	PEB	CMA-C2A-C1A	-2.56	106.89	112.40
31	H2	1002	PEB	CHA-C1B-C2B	2.56	131.47	124.90
31	DF	203	PEB	CBD-CAD-C3D	-2.56	114.91	127.62
31	f4	203	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	K5	201	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	c4	202	PEB	C2A-C1A-NA	2.56	110.48	108.27
31	HG	203	PEB	C2B-C1B-NB	2.56	115.98	110.53
33	EB	1001	CYC	CMB-C2B-C1B	2.56	127.36	124.17
33	EE	1001	CYC	C4A-C3A-C2A	-2.56	103.57	106.51
31	M1	201	PEB	C3B-C4B-NB	2.56	113.77	110.05
31	L1	201	PEB	OD-C4D-C3D	-2.56	123.67	129.46
31	j4	202	PEB	OD-C4D-ND	-2.56	122.14	125.93
31	P2	201	PEB	CAB-CBB-CGB	-2.55	108.11	113.60
31	f2	203	PEB	CHA-C1B-NB	-2.55	119.59	124.93
31	aB	203	PEB	OD-C4D-C3D	-2.55	123.67	129.46
31	bC	202	PEB	OD-C4D-C3D	-2.55	123.67	129.46
31	hF	201	PEB	OD-C4D-C3D	-2.55	123.67	129.46
31	B5	201	PEB	OD-C4D-ND	-2.55	122.15	125.93
31	K5	202	PEB	OD-C4D-ND	-2.55	122.15	125.93
31	b7	501	PEB	OD-C4D-ND	-2.55	122.15	125.93
31	R8	201	PEB	CBC-CAC-C2C	-2.55	108.26	112.62
31	gA	202	PEB	CHC-C1D-ND	-2.55	110.98	113.95
31	R4	202	PEB	OD-C4D-C3D	-2.55	123.67	129.46
31	ZG	401	PEB	OA-C1A-NA	2.55	128.03	124.94
31	lB	201	PEB	OD-C4D-ND	-2.55	122.15	125.93
31	C5	201	PEB	CBC-CAC-C2C	-2.55	108.26	112.62
31	D8	203	PEB	CBD-CAD-C3D	-2.55	114.92	127.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e8	201	PEB	OD-C4D-C3D	-2.55	123.67	129.46
31	F8	201	PEB	CMA-C2A-C1A	-2.55	106.90	112.40
31	IH	201	PEB	CHA-C1B-NB	-2.55	119.59	124.93
31	iE	202	PEB	C1C-CHB-C4B	-2.55	125.76	128.81
31	AE	304	PEB	C2A-C1A-NA	2.55	110.47	108.27
31	b6	201	PEB	OD-C4D-ND	-2.55	122.15	125.93
31	NF	202	PEB	CMC-C3C-C2C	-2.55	120.13	124.94
31	R4	201	PEB	CAA-C3A-C4A	2.55	119.23	112.67
31	E8	202	PEB	CHB-C4B-NB	-2.55	125.29	128.83
33	JC	1003	CYC	CHB-C4A-NA	-2.55	119.59	124.93
31	YD	201	PEB	OD-C4D-C3D	-2.55	123.68	129.46
31	M5	201	PEB	OA-C1A-C2A	-2.55	124.14	126.17
33	FB	1001	CYC	C2A-C1A-NA	2.55	113.76	110.05
31	I5	201	PEB	OD-C4D-ND	-2.55	122.15	125.93
31	DH	202	PEB	CMA-C2A-C1A	-2.55	106.90	112.40
31	dC	202	PEB	CMA-C2A-C1A	-2.55	106.90	112.40
31	YC	201	PEB	C4B-C3B-C2B	-2.55	103.96	106.78
31	AC	301	PEB	CHC-C4C-C3C	-2.55	125.98	130.34
31	N1	203	PEB	CMB-C2B-C1B	2.55	128.99	125.06
31	AC	302	PEB	OD-C4D-C3D	-2.55	123.68	129.46
33	E2	1001	CYC	CHB-C1B-NB	-2.55	120.58	126.06
31	V7	202	PEB	CAC-CBC-CGC	-2.55	106.61	113.76
31	q8	201	PEB	CBA-CAA-C3A	2.55	119.15	113.47
31	G8	203	PEB	CAB-C3B-C2B	-2.55	123.13	127.88
31	J7	202	PEB	C1B-C2B-C3B	-2.55	103.58	106.51
31	Q2	202	PEB	C2A-C1A-NA	2.55	110.47	108.27
31	GI	202	PEB	CAB-C3B-C4B	2.55	129.52	125.01
31	T6	203	PEB	OD-C4D-C3D	-2.55	123.68	129.46
33	CB	1001	CYC	CMB-C2B-C1B	2.55	127.35	124.17
31	DA	203	PEB	CBC-CAC-C2C	-2.55	108.27	112.62
31	XA	202	PEB	C1B-C2B-C3B	-2.55	103.58	106.51
31	kC	201	PEB	CHC-C4C-C3C	-2.55	125.99	130.34
31	mD	201	PEB	C2A-C1A-NA	2.55	110.47	108.27
31	L8	201	PEB	C3B-C4B-NB	2.55	113.76	110.05
31	v8	202	PEB	CHB-C4B-C3B	-2.55	119.43	125.32
31	E7	201	PEB	C4B-C3B-C2B	-2.55	103.96	106.78
31	ZI	303	PEB	CHA-C1B-C2B	2.55	131.45	124.90
33	FD	201	CYC	CAD-CBD-CGD	-2.55	106.61	113.76
31	VJ	202	PEB	C3B-C4B-NB	2.55	113.76	110.05
31	hH	201	PEB	C3B-C4B-NB	2.55	113.76	110.05
31	Q8	202	PEB	OD-C4D-C3D	-2.55	123.69	129.46
31	OI	202	PEB	CAC-C2C-C3C	2.55	134.57	127.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	V7	201	PEB	OD-C4D-C3D	-2.55	123.69	129.46
31	J7	202	PEB	CAC-CBC-CGC	-2.55	106.62	113.76
31	NI	202	PEB	CAB-C3B-C4B	2.55	129.51	125.01
31	X5	203	PEB	CHC-C4C-C3C	-2.55	125.99	130.34
31	D9	201	PEB	CHC-C4C-C3C	-2.55	125.99	130.34
31	VG	201	PEB	C4B-C3B-C2B	-2.55	103.96	106.78
31	PD	201	PEB	CAC-CBC-CGC	-2.55	106.62	113.76
31	MF	202	PEB	CMB-C2B-C1B	2.55	128.99	125.06
31	XA	202	PEB	CHB-C4B-NB	-2.55	125.29	128.83
31	QJ	201	PEB	OD-C4D-C3D	-2.55	123.69	129.46
31	pF	202	PEB	CHC-C4C-C3C	-2.55	125.99	130.34
31	MI	304	PEB	CHA-C1B-C2B	2.55	131.45	124.90
31	Y2	201	PEB	CHA-C4A-NA	2.55	128.23	125.20
32	w8	304	PUB	CHB-C1C-C2C	-2.55	119.44	125.32
31	Q6	201	PEB	OA-C1A-NA	2.55	128.03	124.94
31	d8	202	PEB	C1B-C2B-C3B	-2.55	103.58	106.51
33	ID	1001	CYC	C4A-C3A-C2A	-2.55	103.58	106.51
31	kF	202	PEB	OD-C4D-ND	-2.55	122.16	125.93
31	t8	202	PEB	C3B-C4B-NB	2.55	113.75	110.05
31	Z6	201	PEB	C4B-C3B-C2B	-2.55	103.97	106.78
31	S9	201	PEB	CAB-CBB-CGB	-2.55	108.13	113.60
31	LJ	201	PEB	C2A-C1A-NA	2.55	110.47	108.27
31	UD	201	PEB	CMB-C2B-C1B	2.54	128.98	125.06
32	y8	302	PUB	C4B-CHB-C1C	2.54	131.85	128.81
31	D4	201	PEB	OD-C4D-C3D	-2.54	123.69	129.46
31	mC	202	PEB	OD-C4D-C3D	-2.54	123.69	129.46
33	BD	1001	CYC	C1B-NB-C4B	-2.54	107.43	110.67
31	j2	202	PEB	OD-C4D-ND	-2.54	122.16	125.93
31	cH	201	PEB	CHA-C1B-NB	-2.54	119.61	124.93
31	kC	201	PEB	CAB-CBB-CGB	-2.54	108.13	113.60
31	ZE	202	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	F2	1002	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	b7	502	PEB	C3B-C4B-NB	2.54	113.75	110.05
31	S2	202	PEB	CHC-C4C-C3C	-2.54	126.00	130.34
31	U9	203	PEB	C3B-C4B-NB	2.54	113.75	110.05
31	UI	202	PEB	CAB-CBB-CGB	-2.54	108.13	113.60
31	M4	203	PEB	CMC-C3C-C2C	2.54	129.74	124.94
33	C2	1001	CYC	C2C-C1C-NC	2.54	110.47	108.27
31	I9	201	PEB	CHB-C4B-NB	-2.54	125.30	128.83
33	IE	1001	CYC	CHA-C1A-NA	-2.54	125.30	128.83
31	T1	201	PEB	C1C-CHB-C4B	2.54	131.85	128.81
31	mH	202	PEB	CBB-CAB-C3B	2.54	119.69	112.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZG	401	PEB	CMC-C3C-C2C	2.54	129.73	124.94
31	P9	201	PEB	CHB-C4B-NB	-2.54	125.30	128.83
31	RF	201	PEB	CMB-C2B-C1B	2.54	128.98	125.06
31	BK	203	PEB	C2A-C1A-NA	2.54	110.46	108.27
31	AD	301	PEB	CHA-C1B-NB	-2.54	119.62	124.93
31	QF	203	PEB	CHC-C1D-ND	-2.54	111.00	113.95
31	BK	201	PEB	C1B-C2B-C3B	-2.54	103.59	106.51
31	ZD	202	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	cC	201	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	tF	201	PEB	CAB-CBB-CGB	-2.54	108.14	113.60
31	V5	202	PEB	C3B-C4B-NB	2.54	113.75	110.05
31	TF	201	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	l4	201	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	a8	201	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	hF	202	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	F7	201	PEB	CHC-C1D-ND	-2.54	111.00	113.95
31	TE	201	PEB	C1B-C2B-C3B	-2.54	103.59	106.51
31	V2	202	PEB	C1B-C2B-C3B	-2.54	103.59	106.51
31	jB	201	PEB	C2A-C1A-NA	2.54	110.46	108.27
31	HJ	203	PEB	CBA-CAA-C3A	-2.54	107.81	113.47
31	E8	202	PEB	CAA-C3A-C4A	-2.54	106.15	112.67
31	D9	201	PEB	OD-C4D-C3D	-2.54	123.70	129.46
31	HK	203	PEB	C3B-C4B-NB	2.54	113.74	110.05
31	QJ	201	PEB	CBA-CAA-C3A	-2.54	107.81	113.47
31	gF	203	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	JI	201	PEB	CHC-C4C-C3C	-2.54	126.00	130.34
31	fC	201	PEB	OD-C4D-ND	-2.54	122.17	125.93
31	RK	201	PEB	C1B-C2B-C3B	-2.54	103.59	106.51
31	A5	301	PEB	C3B-C4B-NB	2.54	113.74	110.05
31	B1	201	PEB	CAB-CBB-CGB	-2.54	108.14	113.60
31	PE	201	PEB	CAC-CBC-CGC	-2.54	106.64	113.76
31	G5	202	PEB	CMB-C2B-C1B	2.54	128.97	125.06
31	Y1	302	PEB	CAB-C3B-C4B	2.54	129.50	125.01
31	PG	201	PEB	C4B-C3B-C2B	-2.54	103.97	106.78
31	r8	201	PEB	C1B-C2B-C3B	-2.54	103.59	106.51
31	aC	201	PEB	C1B-C2B-C3B	-2.54	103.59	106.51
31	UH	203	PEB	CHA-C1B-NB	-2.54	119.62	124.93
31	k2	201	PEB	CHC-C4C-C3C	-2.54	126.01	130.34
31	BI	201	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	NK	203	PEB	CMB-C2B-C1B	2.54	128.97	125.06
31	D5	201	PEB	CMB-C2B-C1B	2.54	128.97	125.06
31	xF	303	PEB	OA-C1A-C2A	-2.54	124.16	126.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	E7	201	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	UJ	201	PEB	CHC-C1D-ND	-2.54	111.00	113.95
31	OB	201	PEB	C4B-C3B-C2B	-2.54	103.97	106.78
31	XG	201	PEB	C4B-C3B-C2B	-2.54	103.97	106.78
31	TB	201	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	FF	202	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	CA	202	PEB	C1C-CHB-C4B	2.54	131.84	128.81
31	BG	201	PEB	CMB-C2B-C1B	2.54	128.97	125.06
31	bC	202	PEB	CMB-C2B-C1B	2.54	128.97	125.06
31	eH	201	PEB	CMB-C2B-C1B	2.54	128.97	125.06
31	R1	201	PEB	C1B-C2B-C3B	-2.54	103.59	106.51
31	FH	202	PEB	C2A-C1A-NA	2.54	110.46	108.27
31	nF	202	PEB	OD-C4D-ND	-2.54	122.17	125.93
31	f2	201	PEB	C3B-C4B-NB	2.54	113.74	110.05
31	i4	201	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	j2	201	PEB	CHB-C4B-NB	-2.54	125.31	128.83
31	N6	1002	PEB	CMD-C2D-C3D	2.54	133.64	130.06
31	N8	202	PEB	CMC-C3C-C2C	-2.54	120.16	124.94
31	P2	201	PEB	CHB-C4B-C3B	-2.54	119.46	125.32
31	JF	202	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	c6	203	PEB	OD-C4D-C3D	-2.54	123.71	129.46
31	eB	201	PEB	C1B-C2B-C3B	-2.54	103.60	106.51
31	C8	203	PEB	CHB-C4B-NB	-2.54	125.31	128.83
31	Y2	201	PEB	CHB-C4B-C3B	-2.54	119.46	125.32
31	WE	201	PEB	CHA-C1B-C2B	2.54	131.42	124.90
31	T6	201	PEB	CAB-CBB-CGB	-2.54	108.15	113.60
32	AE	302	PUB	CAC-C2C-C1C	2.54	129.49	125.01
31	c2	202	PEB	C3B-C4B-NB	2.54	113.74	110.05
31	YB	202	PEB	C1B-C2B-C3B	-2.54	103.60	106.51
31	fE	202	PEB	C1B-C2B-C3B	-2.54	103.60	106.51
31	hB	201	PEB	C4B-C3B-C2B	-2.54	103.98	106.78
33	ME	1001	CYC	CHA-C1A-NA	-2.54	125.31	128.83
31	TJ	201	PEB	CAC-CBC-CGC	-2.54	106.65	113.76
31	L5	201	PEB	CAB-C3B-C4B	2.53	129.49	125.01
31	m6	203	PEB	CAB-C3B-C2B	2.53	132.60	127.88
31	YE	202	PEB	CHA-C1B-NB	-2.53	119.63	124.93
31	O8	201	PEB	C3B-C4B-NB	2.53	113.74	110.05
31	M7	201	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	MH	201	PEB	C1B-C2B-C3B	-2.53	103.60	106.51
31	PH	201	PEB	C1B-C2B-C3B	-2.53	103.60	106.51
33	EB	1001	CYC	C1A-C2A-C3A	-2.53	103.98	106.78
31	L1	202	PEB	OA-C1A-NA	2.53	128.01	124.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YB	203	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	K5	202	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	cE	202	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	dF	201	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	HC	1002	PEB	CHA-C1B-C2B	2.53	131.42	124.90
31	k2	201	PEB	CMB-C2B-C1B	2.53	128.97	125.06
33	I6	1001	CYC	CBD-CAD-C3D	-2.53	108.30	112.62
31	DA	203	PEB	CHB-C4B-NB	-2.53	125.31	128.83
31	W4	203	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	kB	202	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	IK	201	PEB	CAB-CBB-CGB	-2.53	108.15	113.60
31	cE	202	PEB	OD-C4D-ND	-2.53	122.18	125.93
31	K5	201	PEB	C1B-C2B-C3B	-2.53	103.60	106.51
31	AD	304	PEB	C2A-C1A-NA	2.53	110.46	108.27
31	d2	202	PEB	C4B-C3B-C2B	-2.53	103.98	106.78
31	f6	202	PEB	C4B-C3B-C2B	-2.53	103.98	106.78
31	YC	201	PEB	CHA-C4A-NA	2.53	128.22	125.20
31	AJ	301	PEB	CHA-C4A-NA	-2.53	122.19	125.20
31	V1	203	PEB	C1C-CHB-C4B	2.53	131.84	128.81
31	o8	203	PEB	C1C-CHB-C4B	-2.53	125.78	128.81
31	e4	202	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	T2	202	PEB	OA-C1A-C2A	-2.53	124.16	126.17
31	R5	201	PEB	OD-C4D-ND	-2.53	122.18	125.93
31	a2	201	PEB	CHB-C4B-C3B	-2.53	119.47	125.32
31	iH	201	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	f6	201	PEB	CAB-CBB-CGB	-2.53	108.15	113.60
31	HI	202	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	J5	202	PEB	CHA-C1B-C2B	2.53	131.41	124.90
31	T5	202	PEB	CHA-C1B-NB	-2.53	119.64	124.93
31	B7	202	PEB	OD-C4D-C3D	-2.53	123.72	129.46
31	LI	202	PEB	C1B-C2B-C3B	-2.53	103.60	106.51
31	mD	202	PEB	C4B-C3B-C2B	-2.53	103.98	106.78
31	NJ	202	PEB	CAB-C3B-C4B	2.53	129.49	125.01
31	JJ	202	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	j4	203	PEB	C3B-C4B-NB	2.53	113.73	110.05
33	V3	1001	CYC	O2A-CGA-CBA	2.53	122.16	114.03
31	d5	401	PEB	OD-C4D-C3D	-2.53	123.73	129.46
31	H8	202	PEB	C1B-C2B-C3B	-2.53	103.60	106.51
31	R9	201	PEB	CHB-C4B-NB	-2.53	125.32	128.83
31	i6	203	PEB	OD-C4D-ND	-2.53	122.18	125.93
31	SJ	202	PEB	CHB-C4B-NB	-2.53	125.32	128.83
31	QF	202	PEB	OD-C4D-C3D	-2.53	123.73	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BI	203	PEB	OD-C4D-C3D	-2.53	123.73	129.46
31	eH	202	PEB	OD-C4D-C3D	-2.53	123.73	129.46
31	P5	202	PEB	C1B-C2B-C3B	-2.53	103.60	106.51
31	R7	202	PEB	C1B-C2B-C3B	-2.53	103.60	106.51
33	I6	1001	CYC	C4A-C3A-C2A	-2.53	103.60	106.51
31	TJ	202	PEB	CHA-C4A-NA	2.53	128.21	125.20
31	RG	201	PEB	C4B-C3B-C2B	-2.53	103.98	106.78
31	J9	201	PEB	CHC-C4C-C3C	-2.53	126.02	130.34
31	N9	201	PEB	CHB-C4B-NB	-2.53	125.32	128.83
31	T9	201	PEB	CHB-C4B-NB	-2.53	125.32	128.83
31	X9	201	PEB	CHB-C4B-NB	-2.53	125.32	128.83
31	BI	201	PEB	CHA-C1B-C2B	-2.53	118.40	124.90
31	TB	203	PEB	OD-C4D-C3D	-2.53	123.73	129.46
31	UD	203	PEB	CBA-CAA-C3A	-2.53	107.84	113.47
31	TC	202	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	mD	202	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	BK	201	PEB	CAB-CBB-CGB	-2.53	108.16	113.60
31	x8	303	PEB	C2A-C1A-NA	2.53	110.45	108.27
31	a8	202	PEB	CBC-CAC-C2C	-2.53	108.31	112.62
33	x3	1001	CYC	O2A-CGA-CBA	2.53	122.15	114.03
33	IB	1001	CYC	C4A-C3A-C2A	-2.53	103.61	106.51
31	N6	1002	PEB	C1C-CHB-C4B	2.53	131.83	128.81
31	A7	201	PEB	C4B-C3B-C2B	-2.53	103.98	106.78
31	fC	203	PEB	C4B-C3B-C2B	-2.53	103.98	106.78
31	A7	203	PEB	CAC-CBC-CGC	-2.53	106.67	113.76
33	FE	1001	CYC	CAD-CBD-CGD	-2.53	106.67	113.76
31	k2	201	PEB	CAB-CBB-CGB	-2.53	108.16	113.60
31	D4	201	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	R6	203	PEB	C3B-C4B-NB	2.53	113.73	110.05
31	KJ	201	PEB	OD-C4D-C3D	-2.53	123.73	129.46
33	K6	1001	CYC	CMB-C2B-C1B	2.53	127.32	124.17
31	YH	201	PEB	CHA-C1B-NB	-2.53	119.65	124.93
31	DG	202	PEB	OD-C4D-C3D	-2.53	123.73	129.46
31	YH	203	PEB	CMC-C3C-C2C	2.53	129.71	124.94
31	l8	202	PEB	CHC-C4C-C3C	-2.53	126.03	130.34
31	fD	202	PEB	CAA-C3A-C2A	-2.53	107.95	114.26
31	GJ	201	PEB	C1B-C2B-C3B	-2.53	103.61	106.51
31	h4	203	PEB	CMD-C2D-C3D	-2.53	126.50	130.06
31	AH	301	PEB	OD-C4D-C3D	-2.53	123.74	129.46
31	M4	202	PEB	CMA-C2A-C1A	-2.53	106.96	112.40
31	TK	201	PEB	C1C-CHB-C4B	2.53	131.83	128.81
31	G8	202	PEB	C1C-CHB-C4B	-2.53	125.79	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Z4	201	PEB	CBC-CAC-C2C	-2.53	108.31	112.62
33	N2	1001	CYC	CAD-CBD-CGD	-2.53	106.68	113.76
31	QD	202	PEB	CBB-CAB-C3B	-2.53	105.61	112.63
31	k6	202	PEB	OD-C4D-C3D	-2.53	123.74	129.46
31	eB	201	PEB	OD-C4D-C3D	-2.53	123.74	129.46
31	YF	202	PEB	OD-C4D-ND	-2.53	122.19	125.93
31	IG	201	PEB	C4B-C3B-C2B	-2.53	103.99	106.78
31	KG	202	PEB	C4B-C3B-C2B	-2.53	103.99	106.78
31	XF	203	PEB	OD-C4D-C3D	-2.53	123.74	129.46
31	mD	201	PEB	OD-C4D-C3D	-2.53	123.74	129.46
31	QA	203	PEB	CBC-CAC-C2C	-2.53	108.31	112.62
31	OH	201	PEB	C1B-C2B-C3B	-2.52	103.61	106.51
31	PJ	202	PEB	C1B-C2B-C3B	-2.52	103.61	106.51
31	G1	201	PEB	OD-C4D-ND	-2.52	122.19	125.93
31	J9	203	PEB	OD-C4D-ND	-2.52	122.19	125.93
31	d4	203	PEB	OD-C4D-C3D	-2.52	123.74	129.46
31	J8	202	PEB	OD-C4D-C3D	-2.52	123.74	129.46
33	EC	1001	CYC	CHB-C1B-NB	-2.52	120.64	126.06
31	MH	202	PEB	C1B-C2B-C3B	-2.52	103.61	106.51
31	T6	201	PEB	OD-C4D-C3D	-2.52	123.74	129.46
31	M7	202	PEB	CHA-C1B-NB	-2.52	119.65	124.93
33	DD	1001	CYC	CAA-C2A-C1A	2.52	129.47	125.01
31	h6	201	PEB	C4B-C3B-C2B	-2.52	103.99	106.78
31	JJ	203	PEB	CMB-C2B-C1B	2.52	128.95	125.06
31	FI	203	PEB	CHA-C1B-C2B	2.52	131.39	124.90
31	f2	201	PEB	OD-C4D-ND	-2.52	122.19	125.93
31	YG	202	PEB	OD-C4D-C3D	-2.52	123.74	129.46
31	A2	302	PEB	OD-C4D-C3D	-2.52	123.74	129.46
31	JE	201	PEB	CHA-C1B-NB	-2.52	119.66	124.93
31	U5	201	PEB	CHC-C1D-ND	-2.52	111.02	113.95
31	CH	201	PEB	C1B-C2B-C3B	-2.52	103.61	106.51
31	kC	201	PEB	C1B-C2B-C3B	-2.52	103.61	106.51
31	fD	202	PEB	C1B-C2B-C3B	-2.52	103.61	106.51
31	e2	202	PEB	CHC-C4C-C3C	-2.52	126.03	130.34
31	QJ	202	PEB	OD-C4D-ND	-2.52	122.19	125.93
31	d2	203	PEB	OD-C4D-C3D	-2.52	123.75	129.46
31	I4	202	PEB	OD-C4D-C3D	-2.52	123.75	129.46
31	aH	201	PEB	CAA-C3A-C4A	-2.52	106.20	112.67
31	H4	201	PEB	CBC-CAC-C2C	-2.52	108.32	112.62
31	D9	203	PEB	CHA-C4A-NA	-2.52	122.21	125.20
31	I1	201	PEB	CAB-CBB-CGB	-2.52	108.18	113.60
31	K4	202	PEB	CHA-C1B-NB	-2.52	119.66	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fE	202	PEB	OA-C1A-C2A	-2.52	124.17	126.17
31	OF	202	PEB	CAB-C3B-C4B	2.52	129.47	125.01
31	gD	201	PEB	OD-C4D-C3D	-2.52	123.75	129.46
31	O9	202	PEB	CHC-C1D-ND	-2.52	111.02	113.95
31	l2	202	PEB	CBB-CAB-C3B	-2.52	105.63	112.63
31	L5	202	PEB	C1B-C2B-C3B	-2.52	103.61	106.51
31	P1	203	PEB	CMB-C2B-C1B	2.52	128.94	125.06
31	KJ	202	PEB	C3B-C4B-NB	2.52	113.71	110.05
31	p8	202	PEB	CBB-CAB-C3B	2.52	119.63	112.63
31	VC	201	PEB	OD-C4D-C3D	-2.52	123.75	129.46
31	E9	201	PEB	CHB-C4B-NB	-2.52	125.33	128.83
31	MJ	201	PEB	OA-C1A-C2A	-2.52	124.17	126.17
31	P2	202	PEB	CAB-C3B-C4B	2.52	129.47	125.01
31	N5	202	PEB	CAB-C3B-C4B	2.52	129.47	125.01
31	VH	201	PEB	CHA-C1B-C2B	2.52	131.38	124.90
31	J4	202	PEB	OD-C4D-C3D	-2.52	123.75	129.46
31	q8	203	PEB	OD-C4D-C3D	-2.52	123.75	129.46
31	eF	201	PEB	OD-C4D-C3D	-2.52	123.75	129.46
31	MF	202	PEB	CHC-C1D-ND	-2.52	111.02	113.95
31	N1	203	PEB	OD-C4D-ND	-2.52	122.20	125.93
31	jE	202	PEB	OD-C4D-ND	-2.52	122.20	125.93
31	CG	201	PEB	C4B-C3B-C2B	-2.52	104.00	106.78
31	ZE	202	PEB	CAB-C3B-C4B	2.52	129.46	125.01
31	DJ	202	PEB	OA-C1A-C2A	-2.52	124.17	126.17
31	V7	202	PEB	C1B-C2B-C3B	-2.52	103.62	106.51
31	m2	201	PEB	CHC-C4C-C3C	-2.52	126.04	130.34
31	dA	202	PEB	OD-C4D-ND	-2.52	122.20	125.93
32	AD	303	PUB	OD-C4D-ND	-2.52	122.20	125.93
31	JF	201	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	WD	202	PEB	CHB-C4B-NB	-2.52	125.33	128.83
33	KC	201	CYC	CMB-C2B-C1B	2.52	127.31	124.17
31	O7	203	PEB	CHB-C4B-C3B	-2.52	119.51	125.32
31	A4	302	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	WD	202	PEB	CHA-C1B-C2B	2.52	131.37	124.90
32	K1	203	PUB	C2C-C1C-NC	2.52	113.71	110.05
31	AH	302	PEB	OD-C4D-ND	-2.52	122.20	125.93
31	VD	201	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	L1	202	PEB	CMB-C2B-C1B	2.52	128.94	125.06
31	F7	202	PEB	C1C-CHB-C4B	-2.52	125.80	128.81
31	AG	203	PEB	C2B-C1B-NB	2.52	115.90	110.53
31	C7	202	PEB	CHB-C4B-C3B	-2.52	119.51	125.32
31	OG	201	PEB	CAC-CBC-CGC	-2.52	106.71	113.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SI	203	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	q8	201	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	e1	301	PEB	C3B-C4B-NB	2.52	113.71	110.05
31	k2	201	PEB	C1B-C2B-C3B	-2.52	103.62	106.51
31	XI	202	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	V2	201	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	aF	201	PEB	OD-C4D-C3D	-2.52	123.76	129.46
31	P9	201	PEB	CHB-C4B-C3B	-2.51	119.51	125.32
31	F8	202	PEB	OD-C4D-C3D	-2.51	123.76	129.46
31	WC	203	PEB	CAB-CBB-CGB	-2.51	108.19	113.60
31	HA	201	PEB	CMA-C2A-C1A	-2.51	106.98	112.40
31	SA	202	PEB	C1B-C2B-C3B	-2.51	103.62	106.51
31	V9	201	PEB	CHB-C4B-NB	-2.51	125.34	128.83
31	PC	202	PEB	CAB-C3B-C4B	2.51	129.46	125.01
31	FG	201	PEB	OD-C4D-ND	-2.51	122.21	125.93
31	A9	201	PEB	CHB-C4B-C3B	-2.51	119.51	125.32
31	lE	202	PEB	CHA-C1B-NB	-2.51	119.67	124.93
31	o8	201	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	eB	202	PEB	CMB-C2B-C1B	2.51	128.94	125.06
31	QK	201	PEB	C4B-C3B-C2B	-2.51	104.00	106.78
33	H2	1001	CYC	C1A-C2A-C3A	-2.51	104.00	106.78
31	Q4	201	PEB	CHB-C4B-NB	-2.51	125.34	128.83
31	K9	201	PEB	CHB-C4B-NB	-2.51	125.34	128.83
31	VD	202	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	S9	203	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	mF	202	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	C9	201	PEB	CHB-C4B-NB	-2.51	125.34	128.83
31	ZA	203	PEB	C4B-C3B-C2B	-2.51	104.00	106.78
31	W2	203	PEB	CAB-CBB-CGB	-2.51	108.20	113.60
31	aH	202	PEB	CMA-C2A-C1A	-2.51	106.99	112.40
31	KH	203	PEB	C2A-C1A-NA	2.51	110.44	108.27
31	T1	202	PEB	CMB-C2B-C1B	2.51	128.93	125.06
31	sF	202	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	OF	201	PEB	CHA-C4A-NA	2.51	128.19	125.20
31	D1	203	PEB	CHC-C4C-C3C	-2.51	126.05	130.34
31	OB	201	PEB	CHC-C1D-ND	-2.51	111.03	113.95
31	G9	201	PEB	CHB-C4B-C3B	-2.51	119.52	125.32
31	EF	202	PEB	CAA-C3A-C4A	-2.51	106.22	112.67
31	UC	203	PEB	CMB-C2B-C1B	2.51	128.93	125.06
31	ZB	201	PEB	C4B-C3B-C2B	-2.51	104.00	106.78
31	JJ	202	PEB	CHA-C1B-C2B	2.51	131.36	124.90
31	TB	201	PEB	CAB-CBB-CGB	-2.51	108.20	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TC	202	PEB	OA-C1A-C2A	-2.51	124.18	126.17
31	K7	202	PEB	OA-C1A-C2A	-2.51	124.18	126.17
31	NB	1002	PEB	CMD-C2D-C3D	2.51	133.61	130.06
31	VI	202	PEB	OD-C4D-C3D	-2.51	123.77	129.46
33	E6	1001	CYC	CMB-C2B-C1B	2.51	127.30	124.17
31	T2	202	PEB	C3B-C4B-NB	2.51	113.70	110.05
32	KK	203	PUB	C2C-C1C-NC	2.51	113.70	110.05
31	F1	202	PEB	OD-C4D-ND	-2.51	122.21	125.93
31	O8	202	PEB	CAB-C3B-C4B	2.51	129.45	125.01
31	DA	203	PEB	CHB-C4B-C3B	-2.51	119.52	125.32
31	E9	201	PEB	CHB-C4B-C3B	-2.51	119.52	125.32
31	LK	203	PEB	CHC-C4C-C3C	-2.51	126.05	130.34
31	GD	202	PEB	CAC-CBC-CGC	-2.51	106.72	113.76
31	OG	203	PEB	CHA-C1B-NB	-2.51	119.68	124.93
31	OG	203	PEB	C1B-C2B-C3B	-2.51	103.62	106.51
31	J8	201	PEB	CAB-C3B-C4B	2.51	129.45	125.01
31	jC	201	PEB	CHB-C4B-NB	-2.51	125.34	128.83
31	OD	203	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	CI	202	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	WD	202	PEB	CHA-C4A-NA	2.51	128.19	125.20
31	W9	202	PEB	C3B-C4B-NB	2.51	113.70	110.05
31	JE	201	PEB	OD-C4D-ND	-2.51	122.21	125.93
31	i6	201	PEB	C1C-CHB-C4B	2.51	131.81	128.81
31	lC	201	PEB	CBB-CAB-C3B	-2.51	105.65	112.63
31	m2	202	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	j4	201	PEB	OD-C4D-C3D	-2.51	123.77	129.46
31	VK	201	PEB	OD-C4D-ND	-2.51	122.21	125.93
31	U2	203	PEB	CMB-C2B-C1B	2.51	128.93	125.06
31	eF	201	PEB	C2A-C1A-NA	2.51	110.44	108.27
31	GG	202	PEB	C4B-C3B-C2B	-2.51	104.01	106.78
31	TJ	201	PEB	CAB-C3B-C4B	2.51	129.45	125.01
31	RG	203	PEB	C2B-C1B-NB	2.51	115.88	110.53
31	T4	202	PEB	CMA-C2A-C1A	-2.51	107.00	112.40
31	eF	202	PEB	CBC-CAC-C2C	-2.51	108.34	112.62
31	OF	201	PEB	C3B-C4B-NB	2.51	113.70	110.05
31	f6	201	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	QI	201	PEB	CAA-C3A-C4A	-2.51	106.23	112.67
31	fC	202	PEB	CHA-C4A-NA	-2.51	122.22	125.20
31	O9	203	PEB	CHA-C1B-NB	-2.51	119.69	124.93
31	PI	202	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	MI	304	PEB	CMA-C2A-C1A	-2.51	107.00	112.40
31	GF	203	PEB	CAB-C3B-C2B	-2.51	123.21	127.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	j6	201	PEB	CMA-C2A-C1A	-2.51	107.00	112.40
31	JI	203	PEB	CBC-CAC-C2C	-2.51	108.34	112.62
31	fB	201	PEB	C4B-NB-C1B	-2.51	101.79	106.51
31	I9	201	PEB	CHB-C4B-C3B	-2.51	119.53	125.32
31	LK	202	PEB	CMB-C2B-C1B	2.51	128.93	125.06
31	QK	201	PEB	C3B-C4B-NB	2.51	113.70	110.05
31	v8	201	PEB	C3B-C4B-NB	2.51	113.70	110.05
31	II	202	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	XJ	201	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	eC	202	PEB	CHC-C4C-C3C	-2.51	126.06	130.34
31	K9	201	PEB	CHB-C4B-C3B	-2.51	119.53	125.32
31	PF	202	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	NI	202	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	P4	201	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	e6	202	PEB	CMB-C2B-C1B	2.51	128.92	125.06
31	U7	201	PEB	C1C-CHB-C4B	2.51	131.80	128.81
31	DK	203	PEB	CHC-C4C-C3C	-2.51	126.06	130.34
31	gE	202	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	T9	201	PEB	CHB-C4B-C3B	-2.51	119.53	125.32
31	ZA	203	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	h8	202	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	aD	201	PEB	OD-C4D-C3D	-2.51	123.78	129.46
31	V2	203	PEB	C3B-C4B-NB	2.51	113.69	110.05
31	TG	202	PEB	C4B-C3B-C2B	-2.51	104.01	106.78
31	KJ	202	PEB	OD-C4D-ND	-2.51	122.22	125.93
32	QH	202	PUB	CHA-C1B-C2B	-2.51	126.06	130.34
31	X9	201	PEB	CHB-C4B-C3B	-2.51	119.53	125.32
31	Z2	202	PEB	CBC-CAC-C2C	-2.51	108.34	112.62
31	RJ	203	PEB	C3B-C4B-NB	2.51	113.69	110.05
31	eE	202	PEB	C3B-C4B-NB	2.51	113.69	110.05
31	VE	201	PEB	OD-C4D-C3D	-2.50	123.78	129.46
31	VE	202	PEB	OD-C4D-C3D	-2.50	123.78	129.46
31	jE	201	PEB	OD-C4D-C3D	-2.50	123.78	129.46
31	fB	201	PEB	CAB-CBB-CGB	-2.50	108.21	113.60
31	R9	201	PEB	CHB-C4B-C3B	-2.50	119.53	125.32
31	D5	202	PEB	CBB-CAB-C3B	-2.50	105.67	112.63
31	N5	202	PEB	C1C-CHB-C4B	2.50	131.80	128.81
33	HC	1001	CYC	C1A-C2A-C3A	-2.50	104.01	106.78
31	MJ	201	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	jD	201	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	MK	201	PEB	C3B-C4B-NB	2.50	113.69	110.05
31	D7	202	PEB	CHC-C1D-ND	-2.50	111.04	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W9	203	PEB	CAC-CBC-CGC	-2.50	106.74	113.76
31	SE	201	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	J1	202	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	mC	201	PEB	CHC-C4C-C3C	-2.50	126.07	130.34
31	C4	201	PEB	C1B-C2B-C3B	-2.50	103.63	106.51
31	W7	202	PEB	C1C-CHB-C4B	2.50	131.80	128.81
31	YF	203	PEB	C3B-C4B-NB	2.50	113.69	110.05
31	g4	202	PEB	CHC-C1D-ND	-2.50	111.04	113.95
31	ZH	202	PEB	O2B-CGB-CBB	2.50	122.07	114.03
31	b2	202	PEB	CMB-C2B-C1B	2.50	128.92	125.06
31	a8	201	PEB	C2A-C1A-NA	2.50	110.43	108.27
31	XJ	202	PEB	C1C-CHB-C4B	2.50	131.80	128.81
33	NC	1001	CYC	C1A-C2A-C3A	-2.50	104.01	106.78
31	XH	202	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	GJ	202	PEB	CMB-C2B-C1B	2.50	128.92	125.06
31	V7	201	PEB	CMB-C2B-C1B	2.50	128.92	125.06
31	WH	203	PEB	CMA-C2A-C1A	-2.50	107.01	112.40
31	VC	203	PEB	C3B-C4B-NB	2.50	113.69	110.05
31	QI	202	PEB	C3B-C4B-NB	2.50	113.69	110.05
31	PH	202	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	QI	201	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	dH	201	PEB	CAA-C3A-C4A	-2.50	106.25	112.67
31	i2	201	PEB	C2A-C1A-NA	2.50	110.43	108.27
31	q8	202	PEB	C2A-C1A-NA	2.50	110.43	108.27
31	D8	201	PEB	CAB-CBB-CGB	-2.50	108.22	113.60
31	AG	201	PEB	C4B-C3B-C2B	-2.50	104.01	106.78
31	AI	202	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	P5	201	PEB	OD-C4D-ND	-2.50	122.22	125.93
33	M2	201	CYC	CHA-C1A-C2A	-2.50	119.54	125.32
31	iD	202	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	IE	203	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	WD	201	PEB	CHB-C4B-C3B	-2.50	119.54	125.32
31	DJ	202	PEB	CAA-C3A-C4A	-2.50	106.25	112.67
31	G7	202	PEB	CMA-C2A-C1A	-2.50	107.01	112.40
32	QH	202	PUB	C2C-C1C-NC	2.50	113.69	110.05
31	PC	201	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	iH	202	PEB	OD-C4D-C3D	-2.50	123.79	129.46
31	j6	202	PEB	CHA-C1B-NB	-2.50	119.70	124.93
31	oF	203	PEB	C1C-CHB-C4B	-2.50	125.82	128.81
31	UI	204	PEB	CHC-C4C-C3C	-2.50	126.07	130.34
31	KJ	202	PEB	CHC-C4C-C3C	-2.50	126.07	130.34
31	SH	201	PEB	OD-C4D-ND	-2.50	122.23	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	c4	202	PEB	CBC-CAC-C2C	-2.50	108.35	112.62
31	wF	302	PEB	CBA-CAA-C3A	-2.50	107.90	113.47
31	e4	202	PEB	C1B-C2B-C3B	-2.50	103.64	106.51
31	FK	203	PEB	C3B-C4B-NB	2.50	113.69	110.05
33	F6	1001	CYC	C2A-C1A-NA	2.50	113.69	110.05
31	IH	201	PEB	CAA-C3A-C4A	-2.50	106.25	112.67
31	UH	202	PEB	CAB-C3B-C4B	2.50	129.43	125.01
31	C4	202	PEB	CAB-C3B-C4B	2.50	129.43	125.01
31	f8	202	PEB	CAB-C3B-C4B	2.50	129.43	125.01
31	YC	201	PEB	CHB-C4B-C3B	-2.50	119.55	125.32
31	G9	201	PEB	CHB-C4B-NB	-2.50	125.36	128.83
31	I1	202	PEB	OD-C4D-ND	-2.50	122.23	125.93
31	AD	301	PEB	OD-C4D-C3D	-2.50	123.80	129.46
31	dD	203	PEB	C3B-C4B-NB	2.50	113.69	110.05
31	C9	201	PEB	CHB-C4B-C3B	-2.50	119.55	125.32
31	aC	201	PEB	CHB-C4B-C3B	-2.50	119.55	125.32
32	Y1	304	PUB	CHB-C1C-C2C	-2.50	119.55	125.32
31	RI	202	PEB	OD-C4D-C3D	-2.50	123.80	129.46
31	GH	203	PEB	CHA-C1B-NB	-2.50	119.71	124.93
31	o8	201	PEB	O1C-CGC-CBC	-2.50	115.05	123.08
31	CA	201	PEB	CAA-C3A-C2A	-2.50	108.02	114.26
31	G5	201	PEB	C1B-C2B-C3B	-2.50	103.64	106.51
31	eC	203	PEB	OD-C4D-ND	-2.50	122.23	125.93
31	gH	201	PEB	OD-C4D-C3D	-2.50	123.80	129.46
31	n8	201	PEB	C1B-C2B-C3B	-2.50	103.64	106.51
31	aF	202	PEB	CBC-CAC-C2C	-2.50	108.36	112.62
31	fH	202	PEB	CBC-CAC-C2C	-2.50	108.36	112.62
31	KI	202	PEB	OD-C4D-C3D	-2.50	123.80	129.46
31	N8	201	PEB	OD-C4D-C3D	-2.50	123.80	129.46
31	QC	203	PEB	C4B-C3B-C2B	-2.50	104.02	106.78
31	EG	201	PEB	C4B-C3B-C2B	-2.50	104.02	106.78
31	ZE	203	PEB	CHB-C4B-NB	-2.50	125.36	128.83
31	F1	203	PEB	C3B-C4B-NB	2.50	113.68	110.05
31	NA	201	PEB	CAB-C3B-C4B	2.50	129.43	125.01
31	ZD	202	PEB	CAB-C3B-C4B	2.50	129.43	125.01
31	eB	202	PEB	OD-C4D-C3D	-2.50	123.80	129.46
31	QB	201	PEB	OA-C1A-NA	2.50	127.97	124.94
31	K4	203	PEB	OD-C4D-C3D	-2.50	123.81	129.46
33	KB	1001	CYC	CMB-C2B-C1B	2.50	127.28	124.17
31	UI	202	PEB	C1B-C2B-C3B	-2.50	103.64	106.51
31	K4	203	PEB	CAA-C3A-C4A	-2.50	106.26	112.67
31	j6	201	PEB	CAB-CBB-CGB	-2.50	108.23	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	NH	202	PEB	OD-C4D-C3D	-2.50	123.81	129.46
31	EI	202	PEB	OD-C4D-C3D	-2.50	123.81	129.46
31	F4	202	PEB	OD-C4D-C3D	-2.50	123.81	129.46
31	M5	201	PEB	OD-C4D-C3D	-2.50	123.81	129.46
31	a6	201	PEB	CHB-C4B-C3B	-2.50	119.56	125.32
31	NG	201	PEB	C4B-C3B-C2B	-2.50	104.02	106.78
31	Q1	201	PEB	C4B-C3B-C2B	-2.50	104.02	106.78
33	73	1002	CYC	C4D-CHA-C1A	2.50	131.79	128.81
31	d8	202	PEB	C3B-C4B-NB	2.50	113.68	110.05
31	IJ	202	PEB	CHA-C4A-NA	2.50	128.17	125.20
31	WA	402	PEB	C1B-C2B-C3B	-2.50	103.64	106.51
31	YH	201	PEB	CAA-C3A-C4A	-2.50	106.27	112.67
31	NA	201	PEB	OD-C4D-ND	-2.50	122.23	125.93
31	DI	202	PEB	OD-C4D-ND	-2.50	122.23	125.93
31	S1	201	PEB	OD-C4D-ND	-2.50	122.23	125.93
31	UJ	202	PEB	C1C-CHB-C4B	2.49	131.79	128.81
31	iB	201	PEB	C1C-CHB-C4B	2.49	131.79	128.81
31	fH	202	PEB	CMB-C2B-C1B	2.49	128.91	125.06
31	AK	201	PEB	OA-C1A-C2A	-2.49	124.19	126.17
31	b2	202	PEB	CHC-C4C-C3C	-2.49	126.08	130.34
31	Q5	201	PEB	OD-C4D-C3D	-2.49	123.81	129.46
33	BD	1001	CYC	CHB-C4A-C3A	2.49	131.31	124.90
31	jC	202	PEB	OD-C4D-ND	-2.49	122.24	125.93
31	DI	203	PEB	CMB-C2B-C1B	2.49	128.90	125.06
31	a2	201	PEB	C1B-C2B-C3B	-2.49	103.64	106.51
31	fB	201	PEB	OD-C4D-C3D	-2.49	123.81	129.46
31	PF	201	PEB	CAB-CBB-CGB	-2.49	108.24	113.60
31	OG	203	PEB	OD-C4D-ND	-2.49	122.24	125.93
31	MH	203	PEB	OD-C4D-ND	-2.49	122.24	125.93
31	V9	201	PEB	CHB-C4B-C3B	-2.49	119.56	125.32
31	a6	203	PEB	C2A-C1A-NA	2.49	110.42	108.27
31	mE	201	PEB	C2A-C1A-NA	2.49	110.42	108.27
31	lF	202	PEB	CHC-C4C-C3C	-2.49	126.08	130.34
31	H5	203	PEB	CBA-CAA-C3A	-2.49	107.92	113.47
31	M4	202	PEB	OA-C1A-C2A	-2.49	124.19	126.17
31	W8	202	PEB	OA-C1A-C2A	-2.49	124.19	126.17
31	fD	203	PEB	C3B-C4B-NB	2.49	113.67	110.05
31	q8	203	PEB	CHA-C1B-NB	-2.49	119.72	124.93
32	YK	304	PUB	CHB-C1C-C2C	-2.49	119.56	125.32
31	ZA	201	PEB	C1B-C2B-C3B	-2.49	103.65	106.51
31	pF	202	PEB	CBB-CAB-C3B	2.49	119.55	112.63
31	WJ	201	PEB	CHA-C1B-NB	-2.49	119.72	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WE	201	PEB	CHA-C4A-NA	2.49	128.17	125.20
31	A5	301	PEB	CHA-C4A-NA	-2.49	122.24	125.20
31	VD	202	PEB	C3B-C4B-NB	2.49	113.67	110.05
31	A5	302	PEB	CHA-C1B-NB	-2.49	119.72	124.93
31	YG	201	PEB	CHC-C4C-C3C	-2.49	126.09	130.34
31	fD	202	PEB	OA-C1A-C2A	-2.49	124.19	126.17
31	yF	301	PEB	CHC-C1D-ND	-2.49	111.05	113.95
31	gA	201	PEB	C1C-CHB-C4B	-2.49	125.83	128.81
31	mD	203	PEB	CAB-CBB-CGB	-2.49	108.24	113.60
31	d4	201	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	p8	202	PEB	CHB-C4B-NB	-2.49	125.37	128.83
33	IB	1001	CYC	CBD-CAD-C3D	-2.49	108.37	112.62
31	dF	202	PEB	CHB-C4B-C3B	-2.49	119.57	125.32
31	g2	201	PEB	CAB-CBB-CGB	-2.49	108.24	113.60
31	Z2	203	PEB	CAA-C3A-C4A	2.49	119.07	112.67
32	AB	302	PUB	C4B-CHB-C1C	-2.49	125.83	128.81
31	fC	203	PEB	CMB-C2B-C1B	2.49	128.90	125.06
31	s8	202	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	bA	201	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	fE	201	PEB	C4B-C3B-C2B	-2.49	104.03	106.78
31	GG	202	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	mF	201	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	ZC	202	PEB	CBC-CAC-C2C	-2.49	108.37	112.62
31	YH	203	PEB	CAB-C3B-C4B	2.49	129.41	125.01
31	mC	202	PEB	CHA-C4A-NA	2.49	128.16	125.20
33	FD	202	CYC	CHA-C1A-C2A	-2.49	119.57	125.32
31	SG	201	PEB	CAB-CBB-CGB	2.49	118.96	113.60
31	oF	201	PEB	O1C-CGC-CBC	-2.49	115.08	123.08
31	gD	202	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	iH	202	PEB	CAB-CBB-CGB	-2.49	108.25	113.60
31	f6	201	PEB	CBC-CAC-C2C	-2.49	108.37	112.62
31	U5	201	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	R4	202	PEB	O2B-CGB-CBB	2.49	122.03	114.03
31	PK	203	PEB	CMB-C2B-C1B	2.49	128.90	125.06
31	X5	201	PEB	CMB-C2B-C1B	2.49	128.90	125.06
31	UH	203	PEB	C4B-C3B-C2B	-2.49	104.03	106.78
31	RF	201	PEB	CBC-CAC-C2C	-2.49	108.37	112.62
31	OC	201	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	jH	202	PEB	CHA-C1B-NB	-2.49	119.73	124.93
31	DJ	202	PEB	CBB-CAB-C3B	-2.49	105.72	112.63
31	aE	201	PEB	OD-C4D-C3D	-2.49	123.82	129.46
31	W5	201	PEB	CHA-C1B-NB	-2.49	119.73	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	N9	201	PEB	CHB-C4B-C3B	-2.49	119.57	125.32
31	m8	201	PEB	OD-C4D-C3D	-2.49	123.83	129.46
31	LK	203	PEB	C3B-C4B-NB	2.49	113.67	110.05
33	DE	1001	CYC	C2C-C1C-NC	2.49	110.42	108.27
33	JC	1003	CYC	CHA-C1A-C2A	-2.49	119.58	125.32
31	M8	201	PEB	CHB-C4B-NB	-2.49	125.38	128.83
31	UG	202	PEB	OD-C4D-C3D	-2.49	123.83	129.46
31	fC	201	PEB	C3B-C4B-NB	2.49	113.67	110.05
31	T6	203	PEB	C1B-C2B-C3B	-2.49	103.65	106.51
31	JG	201	PEB	CAB-C3B-C4B	2.49	129.41	125.01
31	E4	201	PEB	OD-C4D-C3D	-2.49	123.83	129.46
31	iE	202	PEB	OD-C4D-C3D	-2.49	123.83	129.46
31	mH	202	PEB	OD-C4D-C3D	-2.49	123.83	129.46
31	d4	202	PEB	CHC-C1D-ND	-2.49	111.06	113.95
31	YG	201	PEB	CAC-CBC-CGC	-2.49	106.79	113.76
33	BE	1001	CYC	CHB-C4A-C3A	2.49	131.29	124.90
31	GH	202	PEB	C3B-C4B-NB	2.49	113.67	110.05
31	P9	201	PEB	C4B-C3B-C2B	-2.49	104.03	106.78
31	NG	201	PEB	OD-C4D-C3D	-2.49	123.83	129.46
31	RB	201	PEB	CHC-C4C-C3C	-2.49	126.10	130.34
31	GI	202	PEB	OD-C4D-C3D	-2.49	123.83	129.46
31	P8	201	PEB	CAB-CBB-CGB	-2.48	108.26	113.60
31	gA	201	PEB	C1B-C2B-C3B	-2.48	103.66	106.51
31	lB	201	PEB	C4B-C3B-C2B	-2.48	104.03	106.78
31	nF	202	PEB	C4B-C3B-C2B	-2.48	104.03	106.78
31	SA	203	PEB	CHC-C1D-ND	-2.48	111.06	113.95
31	hF	201	PEB	CHC-C1D-ND	-2.48	111.06	113.95
31	ZI	303	PEB	CMA-C2A-C1A	-2.48	107.05	112.40
31	J9	201	PEB	OD-C4D-C3D	-2.48	123.83	129.46
31	JF	201	PEB	CAB-C3B-C4B	2.48	129.40	125.01
31	D6	1002	PEB	CHA-C1B-NB	-2.48	119.74	124.93
31	L1	203	PEB	CHC-C4C-C3C	-2.48	126.10	130.34
31	K5	202	PEB	CHC-C4C-C3C	-2.48	126.10	130.34
31	J5	203	PEB	CMB-C2B-C1B	2.48	128.89	125.06
31	DF	201	PEB	CAB-CBB-CGB	-2.48	108.26	113.60
31	UA	302	PEB	C3B-C4B-NB	2.48	113.66	110.05
31	M1	202	PEB	C1C-CHB-C4B	-2.48	125.84	128.81
31	EK	201	PEB	C4B-C3B-C2B	-2.48	104.03	106.78
31	F5	201	PEB	CHC-C1D-ND	-2.48	111.06	113.95
31	e8	201	PEB	C2A-C1A-NA	2.48	110.41	108.27
31	kE	202	PEB	OD-C4D-ND	-2.48	122.25	125.93
31	c6	202	PEB	CAB-C3B-C4B	2.48	129.40	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZG	401	PEB	CHC-C4C-C3C	-2.48	126.10	130.34
31	LI	201	PEB	CHC-C4C-C3C	-2.48	126.10	130.34
31	eD	202	PEB	OD-C4D-C3D	-2.48	123.83	129.46
31	WE	202	PEB	CHB-C4B-C3B	-2.48	119.58	125.32
31	cE	201	PEB	CAB-C3B-C4B	2.48	129.40	125.01
31	NJ	202	PEB	C1C-CHB-C4B	2.48	131.78	128.81
31	dE	201	PEB	OD-C4D-C3D	-2.48	123.83	129.46
31	LH	202	PEB	CAA-C3A-C2A	-2.48	108.06	114.26
31	JE	201	PEB	CAC-CBC-CGC	-2.48	106.80	113.76
31	J4	201	PEB	CHA-C1B-C2B	2.48	131.28	124.90
31	SI	202	PEB	CMB-C2B-C1B	2.48	128.89	125.06
31	TI	202	PEB	OD-C4D-C3D	-2.48	123.84	129.46
31	f8	201	PEB	OD-C4D-C3D	-2.48	123.84	129.46
31	SA	203	PEB	CBC-CAC-C2C	-2.48	108.38	112.62
31	c8	202	PEB	OD-C4D-ND	-2.48	122.25	125.93
31	vF	202	PEB	CHB-C4B-C3B	-2.48	119.59	125.32
33	FC	1001	CYC	CHB-C1B-C2B	2.48	131.87	126.95
32	x8	301	PUB	CAB-CBB-CGB	-2.48	106.80	113.76
31	a6	201	PEB	OD-C4D-C3D	-2.48	123.84	129.46
31	K4	203	PEB	CMB-C2B-C1B	2.48	128.89	125.06
31	A9	201	PEB	CHB-C4B-NB	-2.48	125.38	128.83
32	AB	302	PUB	C2C-C1C-NC	2.48	113.66	110.05
33	C6	1001	CYC	CMB-C2B-C1B	2.48	127.27	124.17
31	dD	201	PEB	OD-C4D-C3D	-2.48	123.84	129.46
31	UG	202	PEB	CMA-C2A-C1A	-2.48	107.05	112.40
31	R7	201	PEB	CMB-C2B-C1B	2.48	128.88	125.06
31	E4	203	PEB	CMC-C3C-C2C	2.48	129.62	124.94
31	mE	203	PEB	CAB-CBB-CGB	-2.48	108.26	113.60
31	HK	203	PEB	OD-C4D-ND	-2.48	122.25	125.93
31	l2	202	PEB	OD-C4D-ND	-2.48	122.25	125.93
31	Z6	202	PEB	CHA-C1B-NB	-2.48	119.74	124.93
31	QI	203	PEB	CMB-C2B-C1B	2.48	128.88	125.06
31	UJ	202	PEB	CHC-C4C-C3C	-2.48	126.11	130.34
31	aB	201	PEB	CHB-C4B-C3B	-2.48	119.59	125.32
31	R8	202	PEB	C1B-C2B-C3B	-2.48	103.66	106.51
31	fE	203	PEB	C3B-C4B-NB	2.48	113.66	110.05
31	IK	202	PEB	OD-C4D-ND	-2.48	122.26	125.93
31	q8	203	PEB	OD-C4D-ND	-2.48	122.26	125.93
31	H7	202	PEB	OD-C4D-C3D	-2.48	123.84	129.46
32	N5	201	PUB	CHB-C1C-C2C	-2.48	119.59	125.32
31	e8	202	PEB	CBC-CAC-C2C	-2.48	108.39	112.62
31	VG	201	PEB	OD-C4D-C3D	-2.48	123.84	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	XG	201	PEB	OD-C4D-C3D	-2.48	123.84	129.46
31	jB	201	PEB	CMA-C2A-C1A	-2.48	107.06	112.40
31	g6	203	PEB	OD-C4D-ND	-2.48	122.26	125.93
31	KK	201	PEB	CHA-C1B-NB	-2.48	119.75	124.93
31	CJ	201	PEB	CMB-C2B-C1B	2.48	128.88	125.06
31	m8	202	PEB	OD-C4D-C3D	-2.48	123.84	129.46
31	bF	202	PEB	C4B-C3B-C2B	-2.48	104.04	106.78
31	UE	201	PEB	CMB-C2B-C1B	2.48	128.88	125.06
31	h4	203	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	e6	202	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	lD	203	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	cA	401	PEB	CHA-C1B-NB	-2.48	119.75	124.93
31	SA	201	PEB	C1B-C2B-C3B	-2.48	103.66	106.51
33	F2	1001	CYC	CHB-C1B-C2B	2.48	131.86	126.95
31	H1	203	PEB	C3B-C4B-NB	2.48	113.65	110.05
31	fH	202	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	QF	202	PEB	OD-C4D-ND	-2.48	122.26	125.93
31	dC	203	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	eE	202	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	jB	202	PEB	CHA-C1B-NB	-2.48	119.75	124.93
31	ZC	203	PEB	CAA-C3A-C4A	2.48	119.03	112.67
31	gC	201	PEB	CAB-CBB-CGB	-2.48	108.27	113.60
31	KF	203	PEB	CAB-C3B-C4B	2.48	129.39	125.01
31	eF	202	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	F7	202	PEB	CAB-C3B-C4B	2.48	129.39	125.01
31	N7	202	PEB	C3B-C4B-NB	2.48	113.65	110.05
31	H7	201	PEB	C1B-C2B-C3B	-2.48	103.67	106.51
31	fF	201	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	M1	202	PEB	CHA-C1B-NB	-2.48	119.75	124.93
31	PG	201	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	Y4	201	PEB	OD-C4D-C3D	-2.48	123.85	129.46
31	g8	202	PEB	CHC-C4C-C3C	-2.48	126.11	130.34
31	eC	202	PEB	OA-C1A-C2A	-2.48	124.20	126.17
31	T7	201	PEB	C1B-C2B-C3B	-2.48	103.67	106.51
31	B9	203	PEB	CHC-C1D-ND	-2.48	111.07	113.95
31	R6	202	PEB	CMA-C2A-C1A	-2.47	107.07	112.40
31	C7	203	PEB	OD-C4D-C3D	-2.47	123.85	129.46
31	h4	202	PEB	C3B-C4B-NB	2.47	113.65	110.05
31	eC	202	PEB	OD-C4D-ND	-2.47	122.26	125.93
31	f2	203	PEB	CMB-C2B-C1B	2.47	128.88	125.06
31	CK	201	PEB	CMA-C2A-C1A	-2.47	107.07	112.40
31	HF	201	PEB	CAB-C3B-C4B	2.47	129.39	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	GH	201	PEB	CAB-C3B-C4B	2.47	129.39	125.01
31	QE	202	PEB	CBB-CAB-C3B	-2.47	105.75	112.63
31	qF	203	PEB	OD-C4D-C3D	-2.47	123.85	129.46
31	gF	203	PEB	C3B-C4B-NB	2.47	113.65	110.05
31	NK	203	PEB	OD-C4D-ND	-2.47	122.27	125.93
31	ZE	201	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	JH	202	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	SF	202	PEB	C4B-C3B-C2B	-2.47	104.05	106.78
33	K2	201	CYC	CMB-C2B-C1B	2.47	127.25	124.17
31	O7	203	PEB	CHA-C1B-NB	-2.47	119.76	124.93
31	OE	203	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	IG	201	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	XH	201	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	aB	201	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	kC	201	PEB	CMB-C2B-C1B	2.47	128.87	125.06
31	VJ	201	PEB	C1B-C2B-C3B	-2.47	103.67	106.51
31	P1	201	PEB	CAB-C3B-C4B	2.47	129.38	125.01
31	h8	201	PEB	CHC-C1D-ND	-2.47	111.08	113.95
31	Y7	501	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	TJ	202	PEB	CHA-C1B-NB	-2.47	119.76	124.93
31	Y4	202	PEB	C4B-C3B-C2B	-2.47	104.05	106.78
31	ZI	304	PEB	OD-C4D-ND	-2.47	122.27	125.93
31	e8	202	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	WI	201	PEB	OA-C1A-C2A	-2.47	124.21	126.17
31	jC	201	PEB	CHC-C1D-ND	-2.47	111.08	113.95
31	F4	201	PEB	OD-C4D-C3D	-2.47	123.86	129.46
33	EE	1001	CYC	CHB-C1B-NB	-2.47	120.75	126.06
31	O8	201	PEB	CHA-C4A-NA	2.47	128.14	125.20
31	cB	202	PEB	CAB-C3B-C4B	2.47	129.38	125.01
31	R4	201	PEB	CHA-C1B-C2B	2.47	131.26	124.90
31	WB	201	PEB	CHC-C1D-ND	-2.47	111.08	113.95
31	VA	202	PEB	CMB-C2B-C1B	2.47	128.87	125.06
31	TB	202	PEB	C3B-C4B-NB	2.47	113.64	110.05
31	JI	202	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	N4	201	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	f6	201	PEB	C4B-NB-C1B	-2.47	101.85	106.51
31	J9	201	PEB	CAB-CBB-CGB	-2.47	108.28	113.60
31	jB	201	PEB	CAB-CBB-CGB	-2.47	108.28	113.60
31	JG	201	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	J5	201	PEB	CHA-C1B-NB	-2.47	119.77	124.93
31	U5	202	PEB	CHC-C4C-C3C	-2.47	126.12	130.34
31	T7	201	PEB	CHC-C4C-C3C	-2.47	126.12	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZF	202	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	L7	202	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	MF	201	PEB	CHB-C4B-NB	-2.47	125.40	128.83
33	D6	1001	CYC	CBB-CAB-C3B	-2.47	105.62	112.43
31	PJ	201	PEB	OD-C4D-ND	-2.47	122.27	125.93
31	a4	203	PEB	OD-C4D-ND	-2.47	122.27	125.93
31	PJ	202	PEB	C3B-C4B-NB	2.47	113.64	110.05
31	L1	203	PEB	C1B-C2B-C3B	-2.47	103.67	106.51
31	Y6	202	PEB	C1B-C2B-C3B	-2.47	103.67	106.51
31	p8	201	PEB	C1B-C2B-C3B	-2.47	103.67	106.51
31	PC	201	PEB	C2A-C1A-NA	2.47	110.40	108.27
31	Y7	504	PEB	OD-C4D-C3D	-2.47	123.86	129.46
31	E9	201	PEB	C4B-C3B-C2B	-2.47	104.05	106.78
31	SD	202	PEB	CAB-CBB-CGB	-2.47	108.29	113.60
31	FK	202	PEB	OD-C4D-ND	-2.47	122.27	125.93
31	F5	201	PEB	C4B-C3B-C2B	-2.47	104.05	106.78
31	CG	201	PEB	OD-C4D-C3D	-2.47	123.87	129.46
33	63	901	CYC	CBB-CAB-C3B	-2.47	105.63	112.43
31	aA	201	PEB	CHA-C4A-NA	2.47	128.14	125.20
31	T4	202	PEB	OD-C4D-C3D	-2.47	123.87	129.46
31	P8	202	PEB	OD-C4D-C3D	-2.47	123.87	129.46
31	L5	201	PEB	C2A-C1A-NA	2.47	110.40	108.27
31	RF	202	PEB	C1B-C2B-C3B	-2.47	103.67	106.51
31	fE	202	PEB	CAA-C3A-C2A	-2.47	108.09	114.26
33	BD	1001	CYC	CHB-C1B-NB	-2.47	120.76	126.06
31	uF	203	PEB	CHA-C1B-NB	-2.47	119.77	124.93
31	G5	202	PEB	CAC-C2C-C3C	2.47	134.33	127.25
31	RB	202	PEB	CMA-C2A-C1A	-2.47	107.09	112.40
31	OE	201	PEB	CMA-C2A-C1A	-2.47	107.09	112.40
31	K8	203	PEB	CAB-C3B-C4B	2.47	129.37	125.01
31	oF	202	PEB	C3B-C4B-NB	2.47	113.64	110.05
31	TG	202	PEB	OD-C4D-C3D	-2.47	123.87	129.46
31	UI	201	PEB	CHC-C1D-ND	-2.47	111.08	113.95
31	cB	203	PEB	CHC-C1D-ND	-2.47	111.08	113.95
31	LK	201	PEB	C1B-C2B-C3B	-2.47	103.68	106.51
31	ZB	202	PEB	CHA-C1B-NB	-2.47	119.77	124.93
31	D8	202	PEB	C2B-C1B-NB	2.47	115.79	110.53
31	YK	303	PEB	CMB-C2B-C1B	2.47	128.86	125.06
31	w8	302	PEB	CBA-CAA-C3A	-2.47	107.98	113.47
31	IJ	201	PEB	OD-C4D-ND	-2.47	122.28	125.93
31	vF	201	PEB	C3B-C4B-NB	2.47	113.64	110.05
32	BH	302	PUB	C2C-C1C-NC	2.47	113.64	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fB	201	PEB	CBC-CAC-C2C	-2.47	108.41	112.62
31	Q2	203	PEB	OD-C4D-C3D	-2.47	123.87	129.46
31	n8	201	PEB	OD-C4D-C3D	-2.47	123.87	129.46
31	JJ	202	PEB	CAB-C3B-C4B	2.47	129.37	125.01
32	x8	305	PUB	CAC-C2C-C1C	2.47	129.37	125.01
31	B1	203	PEB	CHC-C4C-C3C	-2.47	126.13	130.34
31	A7	201	PEB	OD-C4D-C3D	-2.47	123.88	129.46
31	TH	202	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	DA	203	PEB	C1B-C2B-C3B	-2.46	103.68	106.51
33	IE	1001	CYC	C4A-C3A-C2A	-2.46	103.68	106.51
33	BE	1001	CYC	C1B-NB-C4B	-2.46	107.53	110.67
31	AD	301	PEB	CMB-C2B-C1B	2.46	128.86	125.06
31	J7	201	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	MH	201	PEB	CHA-C1B-NB	-2.46	119.78	124.93
31	NF	201	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	HG	202	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	L4	201	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	w8	302	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	aF	201	PEB	C2A-C1A-NA	2.46	110.40	108.27
31	wF	303	PEB	OA-C1A-C2A	-2.46	124.21	126.17
31	VH	202	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	bB	201	PEB	OD-C4D-ND	-2.46	122.28	125.93
31	RE	202	PEB	CAB-C3B-C4B	2.46	129.37	125.01
31	HG	201	PEB	CAB-C3B-C4B	2.46	129.37	125.01
31	YJ	202	PEB	CMB-C2B-C1B	2.46	128.86	125.06
33	l3	1001	CYC	CHA-C1A-NA	-2.46	125.41	128.83
31	G7	202	PEB	C4B-C3B-C2B	-2.46	104.06	106.78
31	uF	202	PEB	C4B-C3B-C2B	-2.46	104.06	106.78
31	Y4	201	PEB	CMA-C2A-C1A	-2.46	107.09	112.40
31	NK	202	PEB	CBC-CAC-C2C	2.46	116.82	112.62
31	VA	202	PEB	CAB-CBB-CGB	-2.46	108.30	113.60
31	UF	201	PEB	CHA-C1B-C2B	2.46	131.23	124.90
31	KD	201	PEB	OD-C4D-ND	-2.46	122.28	125.93
31	F5	202	PEB	CMB-C2B-C1B	2.46	128.86	125.06
31	ZD	203	PEB	CHB-C4B-NB	-2.46	125.41	128.83
31	EG	201	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	RD	202	PEB	CAB-C3B-C4B	2.46	129.36	125.01
31	VH	202	PEB	O2B-CGB-CBB	2.46	121.94	114.03
31	KE	201	PEB	OD-C4D-ND	-2.46	122.28	125.93
31	R5	203	PEB	CHA-C1B-C2B	2.46	131.23	124.90
31	WE	201	PEB	CHB-C4B-C3B	-2.46	119.63	125.32
32	AE	303	PUB	C2C-C1C-NC	2.46	113.63	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RC	202	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	mE	203	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	SC	202	PEB	CHC-C4C-C3C	-2.46	126.14	130.34
31	KG	202	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	xF	304	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	XH	202	PEB	CHA-C1B-NB	-2.46	119.78	124.93
31	fF	202	PEB	CAB-C3B-C4B	2.46	129.36	125.01
31	PJ	201	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	mD	203	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	nF	201	PEB	OD-C4D-C3D	-2.46	123.88	129.46
31	iD	201	PEB	C4B-C3B-C2B	-2.46	104.06	106.78
31	D2	1002	PEB	CHA-C1B-C2B	2.46	131.23	124.90
31	JH	201	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	W2	201	PEB	OD-C4D-ND	-2.46	122.28	125.93
31	SE	202	PEB	CAB-CBB-CGB	-2.46	108.31	113.60
31	J5	202	PEB	CAB-C3B-C4B	2.46	129.36	125.01
31	TD	201	PEB	C1B-C2B-C3B	-2.46	103.68	106.51
31	OI	202	PEB	C1B-C2B-C3B	-2.46	103.68	106.51
31	kH	202	PEB	C1B-C2B-C3B	-2.46	103.68	106.51
31	m4	201	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	GD	202	PEB	CHA-C1B-NB	-2.46	119.79	124.93
31	RG	201	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	Y2	201	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	o8	202	PEB	C3B-C4B-NB	2.46	113.63	110.05
31	mE	202	PEB	C3B-C4B-NB	2.46	113.63	110.05
31	t8	202	PEB	CHA-C1B-C2B	-2.46	118.58	124.90
33	m3	1001	CYC	CHA-C1A-NA	-2.46	125.42	128.83
31	X8	202	PEB	CBC-CAC-C2C	-2.46	108.42	112.62
33	CE	1001	CYC	CHA-C1A-C2A	-2.46	119.64	125.32
31	bD	201	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	HH	202	PEB	O2B-CGB-CBB	2.46	121.93	114.03
31	AJ	302	PEB	CHA-C1B-NB	-2.46	119.79	124.93
31	WI	202	PEB	C1B-C2B-C3B	-2.46	103.69	106.51
31	qF	202	PEB	C1B-C2B-C3B	-2.46	103.69	106.51
31	G8	201	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	J9	202	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	f4	201	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	C5	201	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	Y5	202	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	AB	305	PEB	CHC-C1D-ND	-2.46	111.09	113.95
31	kE	202	PEB	C1B-C2B-C3B	-2.46	103.69	106.51
31	GJ	202	PEB	CAC-C2C-C3C	2.46	134.31	127.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BI	202	PEB	CHA-C1B-C2B	2.46	131.22	124.90
31	ZD	201	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	VF	202	PEB	CHC-C4C-C3C	-2.46	126.15	130.34
31	PK	201	PEB	CAB-C3B-C4B	2.46	129.35	125.01
31	UI	202	PEB	CHC-C1D-ND	-2.46	111.09	113.95
31	L1	203	PEB	C3B-C4B-NB	2.46	113.62	110.05
32	AD	303	PUB	C2C-C1C-NC	2.46	113.62	110.05
31	FF	201	PEB	CMA-C2A-C1A	-2.46	107.11	112.40
31	fB	202	PEB	C4B-C3B-C2B	-2.46	104.06	106.78
31	O2	202	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	N5	204	PEB	OD-C4D-C3D	-2.46	123.89	129.46
31	A1	201	PEB	OA-C1A-C2A	-2.46	124.22	126.17
33	NB	1001	CYC	CHB-C4A-C3A	2.46	131.22	124.90
31	W6	201	PEB	CHC-C1D-ND	-2.46	111.09	113.95
31	i4	202	PEB	C1B-C2B-C3B	-2.46	103.69	106.51
31	q8	202	PEB	C1B-C2B-C3B	-2.46	103.69	106.51
33	FD	202	CYC	C4A-C3A-C2A	-2.46	103.69	106.51
31	O2	201	PEB	OD-C4D-C3D	-2.46	123.90	129.46
31	Y1	303	PEB	CMB-C2B-C1B	2.46	128.85	125.06
31	U7	202	PEB	CMB-C2B-C1B	2.46	128.85	125.06
33	CC	1001	CYC	CHA-C1A-NA	-2.46	125.42	128.83
31	F4	202	PEB	O2B-CGB-CBB	2.46	121.92	114.03
31	MA	201	PEB	CMA-C2A-C1A	-2.46	107.11	112.40
31	AG	201	PEB	OD-C4D-C3D	-2.46	123.90	129.46
31	l2	201	PEB	OD-C4D-C3D	-2.46	123.90	129.46
31	D5	202	PEB	CAA-C3A-C4A	-2.46	106.37	112.67
31	KA	301	PEB	CHA-C1B-C2B	2.46	131.21	124.90
31	U5	202	PEB	C1C-CHB-C4B	2.46	131.74	128.81
31	AI	201	PEB	CHC-C1D-ND	-2.46	111.10	113.95
31	V5	201	PEB	C1B-C2B-C3B	-2.46	103.69	106.51
31	F1	201	PEB	OD-C4D-C3D	-2.46	123.90	129.46
31	D9	202	PEB	CAB-C3B-C4B	2.45	129.35	125.01
31	LH	202	PEB	OD-C4D-C3D	-2.45	123.90	129.46
31	UJ	201	PEB	OD-C4D-C3D	-2.45	123.90	129.46
31	C8	203	PEB	OD-C4D-C3D	-2.45	123.90	129.46
31	BA	203	PEB	CAB-CBB-CGB	-2.45	108.32	113.60
31	PJ	202	PEB	CHC-C1D-ND	-2.45	111.10	113.95
31	T7	202	PEB	C3B-C4B-NB	2.45	113.62	110.05
31	P5	201	PEB	OD-C4D-C3D	-2.45	123.90	129.46
31	h6	201	PEB	OD-C4D-C3D	-2.45	123.90	129.46
31	BG	203	PEB	C4B-C3B-C2B	-2.45	104.07	106.78
31	AB	304	PEB	OD-C4D-C3D	-2.45	123.90	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	g3	1001	CYC	CHA-C1A-NA	-2.45	125.42	128.83
32	NJ	201	PUB	CMD-C2D-C3D	2.45	131.45	127.77
31	FK	203	PEB	CHC-C1D-ND	-2.45	111.10	113.95
31	W2	203	PEB	CHC-C1D-ND	-2.45	111.10	113.95
31	gF	202	PEB	CHC-C4C-C3C	-2.45	126.15	130.34
31	JJ	201	PEB	CHA-C1B-NB	-2.45	119.80	124.93
31	C4	202	PEB	CHA-C1B-NB	-2.45	119.80	124.93
31	WI	201	PEB	O1B-CGB-CBB	-2.45	115.20	123.08
31	U9	203	PEB	C2A-C1A-NA	2.45	110.39	108.27
31	aB	201	PEB	CAB-C3B-C4B	2.45	129.35	125.01
31	oF	201	PEB	O2C-CGC-CBC	2.45	121.91	114.03
31	N1	202	PEB	CBC-CAC-C2C	2.45	116.81	112.62
31	HA	201	PEB	OD-C4D-ND	-2.45	122.30	125.93
31	dF	202	PEB	C1B-C2B-C3B	-2.45	103.69	106.51
31	wF	302	PEB	OD-C4D-C3D	-2.45	123.90	129.46
31	dE	203	PEB	C3B-C4B-NB	2.45	113.62	110.05
31	T9	201	PEB	C4B-C3B-C2B	-2.45	104.07	106.78
31	SH	203	PEB	OD-C4D-ND	-2.45	122.30	125.93
31	I5	202	PEB	C1B-C2B-C3B	-2.45	103.69	106.51
31	pF	201	PEB	C1B-C2B-C3B	-2.45	103.69	106.51
31	L4	202	PEB	CHA-C1B-NB	-2.45	119.81	124.93
31	dE	201	PEB	CAA-C3A-C4A	-2.45	106.38	112.67
33	EB	1001	CYC	CHA-C1A-NA	-2.45	125.43	128.83
31	VB	201	PEB	OD-C4D-C3D	-2.45	123.91	129.46
33	BD	1001	CYC	CHA-C1A-C2A	-2.45	119.66	125.32
31	DF	202	PEB	C2B-C1B-NB	2.45	115.76	110.53
31	AE	301	PEB	CMB-C2B-C1B	2.45	128.84	125.06
31	jC	203	PEB	CMB-C2B-C1B	2.45	128.84	125.06
31	jH	203	PEB	CMB-C2B-C1B	2.45	128.84	125.06
32	xF	305	PUB	CAC-C2C-C1C	2.45	129.34	125.01
31	S8	202	PEB	C4B-C3B-C2B	-2.45	104.07	106.78
31	X1	203	PEB	OD-C4D-ND	-2.45	122.30	125.93
31	dD	201	PEB	CAA-C3A-C4A	-2.45	106.38	112.67
31	UE	202	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	FI	201	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	X5	201	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	R7	201	PEB	OD-C4D-C3D	-2.45	123.91	129.46
33	N6	1001	CYC	C1B-NB-C4B	-2.45	107.55	110.67
31	CA	202	PEB	CMA-C2A-C1A	-2.45	107.12	112.40
33	BD	1002	CYC	CMC-C2C-C1C	-2.45	107.12	112.40
33	v3	1001	CYC	CHA-C1A-NA	-2.45	125.43	128.83
31	BI	203	PEB	CAB-C3B-C4B	2.45	129.34	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	I4	202	PEB	CAB-C3B-C4B	2.45	129.34	125.01
31	H8	201	PEB	CAB-C3B-C4B	2.45	129.34	125.01
31	Q1	201	PEB	C3B-C4B-NB	2.45	113.61	110.05
31	GD	202	PEB	C1B-C2B-C3B	-2.45	103.69	106.51
31	BK	201	PEB	CAB-C3B-C2B	2.45	132.44	127.88
31	CJ	201	PEB	CBC-CAC-C2C	-2.45	108.44	112.62
31	ID	202	PEB	CHA-C1B-NB	-2.45	119.81	124.93
31	qF	203	PEB	CHA-C1B-NB	-2.45	119.81	124.93
31	MK	202	PEB	C1C-CHB-C4B	-2.45	125.88	128.81
31	PJ	202	PEB	CAB-C3B-C4B	2.45	129.34	125.01
31	UD	202	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	AE	301	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	WD	202	PEB	CHB-C4B-C3B	-2.45	119.66	125.32
31	IH	203	PEB	CHA-C1B-NB	-2.45	119.81	124.93
31	j2	201	PEB	CHC-C1D-ND	-2.45	111.10	113.95
33	R3	1001	CYC	CHA-C1A-NA	-2.45	125.43	128.83
33	c3	1001	CYC	CHA-C1A-NA	-2.45	125.43	128.83
31	Q1	201	PEB	C2A-C1A-NA	2.45	110.39	108.27
32	MI	303	PUB	CHA-C1B-C2B	-2.45	126.16	130.34
31	A2	305	PEB	CMB-C2B-C1B	2.45	128.84	125.06
31	CF	201	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	NJ	204	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	N7	202	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	S8	201	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	M9	303	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	UA	304	PEB	OD-C4D-ND	-2.45	122.30	125.93
31	ZF	202	PEB	C2B-C1B-NB	2.45	115.76	110.53
31	L1	201	PEB	C1B-C2B-C3B	-2.45	103.70	106.51
31	SH	201	PEB	CAB-CBB-CGB	-2.45	108.33	113.60
33	FC	1001	CYC	CHA-C1A-C2A	-2.45	119.66	125.32
31	RA	202	PEB	OD-C4D-C3D	-2.45	123.91	129.46
31	X7	202	PEB	CAA-C3A-C4A	-2.45	106.39	112.67
31	r8	201	PEB	C2A-C1A-NA	2.45	110.38	108.27
31	MI	305	PEB	OD-C4D-ND	-2.45	122.30	125.93
31	eD	203	PEB	OD-C4D-ND	-2.45	122.30	125.93
31	jD	202	PEB	OD-C4D-ND	-2.45	122.30	125.93
31	I5	202	PEB	CHA-C4A-NA	2.45	128.12	125.20
32	xF	301	PUB	CAB-CBB-CGB	-2.45	106.90	113.76
33	GD	201	CYC	CMB-C2B-C1B	2.45	127.22	124.17
31	DD	1002	PEB	O2B-CGB-CBB	2.45	121.89	114.03
31	XI	201	PEB	CHC-C1D-ND	-2.45	111.11	113.95
31	cE	202	PEB	CMB-C2B-C1B	2.45	128.83	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	u8	201	PEB	C3B-C4B-NB	2.45	113.61	110.05
31	d8	202	PEB	CHB-C4B-C3B	-2.45	119.67	125.32
31	SK	201	PEB	OD-C4D-ND	-2.45	122.31	125.93
31	QC	203	PEB	OD-C4D-C3D	-2.45	123.92	129.46
31	g6	202	PEB	OD-C4D-C3D	-2.45	123.92	129.46
31	bD	201	PEB	CAB-CBB-CGB	-2.45	108.34	113.60
31	KK	201	PEB	CAA-C3A-C4A	-2.45	106.39	112.67
33	ED	1001	CYC	CHB-C1B-NB	-2.45	120.81	126.06
31	SI	201	PEB	CAB-C3B-C4B	2.45	129.34	125.01
31	y8	301	PEB	CHC-C1D-ND	-2.45	111.11	113.95
31	B1	202	PEB	C3B-C4B-NB	2.45	113.61	110.05
31	h6	201	PEB	C2A-C1A-NA	2.45	110.38	108.27
31	SD	201	PEB	OD-C4D-C3D	-2.45	123.92	129.46
31	Y7	502	PEB	CAB-CBB-CGB	-2.45	108.34	113.60
33	F2	1001	CYC	CHA-C1A-C2A	-2.45	119.67	125.32
31	X4	202	PEB	OD-C4D-C3D	-2.45	123.92	129.46
31	m2	202	PEB	C2A-C1A-NA	2.45	110.38	108.27
31	D8	203	PEB	OD-C4D-ND	-2.45	122.31	125.93
32	NJ	201	PUB	CHB-C1C-C2C	-2.44	119.67	125.32
31	B5	202	PEB	OD-C4D-C3D	-2.44	123.92	129.46
31	x8	304	PEB	OD-C4D-C3D	-2.44	123.92	129.46
31	RC	202	PEB	CHC-C4C-C3C	-2.44	126.17	130.34
33	T3	1001	CYC	C1B-C2B-C3B	-2.44	105.32	107.87
31	Y8	203	PEB	C3B-C4B-NB	2.44	113.61	110.05
31	g8	203	PEB	C3B-C4B-NB	2.44	113.61	110.05
31	NB	1002	PEB	C1C-CHB-C4B	2.44	131.73	128.81
31	R9	201	PEB	C4B-C3B-C2B	-2.44	104.08	106.78
31	LK	203	PEB	C1B-C2B-C3B	-2.44	103.70	106.51
31	l8	203	PEB	OD-C4D-ND	-2.44	122.31	125.93
31	VK	203	PEB	CAC-CBC-CGC	-2.44	106.91	113.76
31	LG	202	PEB	OD-C4D-C3D	-2.44	123.92	129.46
31	Z8	202	PEB	OD-C4D-C3D	-2.44	123.92	129.46
32	ZI	302	PUB	CHA-C1B-C2B	-2.44	126.17	130.34
31	I7	202	PEB	CAB-CBB-CGB	-2.44	108.35	113.60
33	K3	1001	CYC	CHA-C1A-NA	-2.44	125.44	128.83
31	V1	203	PEB	CAC-CBC-CGC	-2.44	106.91	113.76
31	B5	201	PEB	CMA-C2A-C1A	-2.44	107.14	112.40
31	K1	201	PEB	CHA-C1B-NB	-2.44	119.82	124.93
31	x8	303	PEB	OA-C1A-C2A	-2.44	124.23	126.17
31	R2	202	PEB	CHC-C4C-C3C	-2.44	126.17	130.34
31	TH	202	PEB	CAA-C3A-C2A	-2.44	108.16	114.26
31	mD	203	PEB	CMB-C2B-C1B	2.44	128.82	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	H9	202	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	DB	1002	PEB	CHA-C1B-NB	-2.44	119.83	124.93
32	AB	303	PUB	CHC-C1D-ND	-2.44	110.64	113.72
31	tF	202	PEB	CHA-C1B-C2B	-2.44	118.62	124.90
31	aH	201	PEB	OD-C4D-ND	-2.44	122.31	125.93
31	fE	202	PEB	C2A-C3A-C4A	-2.44	97.68	101.34
31	f2	201	PEB	CMB-C2B-C1B	2.44	128.82	125.06
31	T7	201	PEB	CMB-C2B-C1B	2.44	128.82	125.06
31	X5	203	PEB	CHA-C1B-NB	-2.44	119.83	124.93
33	V3	1001	CYC	CAB-C3B-C2B	2.44	131.71	127.53
31	CF	203	PEB	CHB-C4B-NB	-2.44	125.44	128.83
31	hB	201	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	U8	201	PEB	CHA-C1B-C2B	2.44	131.18	124.90
31	JE	201	PEB	C1B-C2B-C3B	-2.44	103.70	106.51
31	K4	201	PEB	C3B-C4B-NB	2.44	113.60	110.05
31	S7	203	PEB	CBA-CAA-C3A	-2.44	108.03	113.47
31	aA	202	PEB	CMB-C2B-C1B	2.44	128.82	125.06
31	ZF	201	PEB	CHA-C4A-NA	2.44	128.11	125.20
33	i3	1001	CYC	CHA-C1A-NA	-2.44	125.44	128.83
31	BA	201	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	HH	202	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	C8	201	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	DJ	201	PEB	CMB-C2B-C1B	2.44	128.82	125.06
31	CA	202	PEB	CHB-C4B-C3B	-2.44	119.68	125.32
31	R6	201	PEB	CHC-C4C-C3C	-2.44	126.17	130.34
31	W4	201	PEB	CHC-C1D-ND	-2.44	111.11	113.95
31	SA	201	PEB	CMA-C2A-C1A	-2.44	107.14	112.40
31	UH	203	PEB	OD-C4D-ND	-2.44	122.32	125.93
31	YH	203	PEB	OD-C4D-ND	-2.44	122.32	125.93
31	j2	203	PEB	CMB-C2B-C1B	2.44	128.82	125.06
31	ZC	201	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	Z2	202	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	aC	202	PEB	C1C-CHB-C4B	-2.44	125.89	128.81
31	E4	202	PEB	OD-C4D-C3D	-2.44	123.93	129.46
31	F7	201	PEB	CHA-C4A-NA	2.44	128.10	125.20
31	b2	203	PEB	OD-C4D-ND	-2.44	122.32	125.93
31	DC	1002	PEB	CHA-C1B-C2B	2.44	131.17	124.90
31	fH	201	PEB	OD-C4D-C3D	-2.44	123.94	129.46
31	u8	202	PEB	CHA-C1B-NB	-2.44	119.83	124.93
31	G9	201	PEB	C4B-C3B-C2B	-2.44	104.08	106.78
31	R7	201	PEB	C1B-C2B-C3B	-2.44	103.71	106.51
31	vF	201	PEB	C1C-CHB-C4B	2.44	131.72	128.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	J3	1001	CYC	CHA-C1A-NA	-2.44	125.44	128.83
33	e3	1001	CYC	CHA-C1A-NA	-2.44	125.44	128.83
31	L1	202	PEB	CHB-C4B-C3B	-2.44	119.69	125.32
31	BF	201	PEB	CAB-C3B-C4B	2.44	129.32	125.01
31	P8	201	PEB	OD-C4D-C3D	-2.44	123.94	129.46
31	IH	201	PEB	OD-C4D-C3D	-2.44	123.94	129.46
33	E6	1001	CYC	CHA-C1A-NA	-2.44	125.44	128.83
31	SA	202	PEB	CMB-C2B-C1B	2.44	128.82	125.06
31	DI	202	PEB	CMB-C2B-C1B	2.44	128.82	125.06
31	J5	202	PEB	C3B-C4B-NB	2.44	113.59	110.05
31	X9	201	PEB	C4B-C3B-C2B	-2.44	104.08	106.78
31	S6	202	PEB	OD-C4D-ND	-2.44	122.32	125.93
31	h2	202	PEB	OA-C1A-C2A	-2.44	124.23	126.17
31	RF	202	PEB	CHC-C1D-ND	-2.44	111.12	113.95
31	T7	202	PEB	CHC-C1D-ND	-2.44	111.12	113.95
32	Z9	305	PUB	CMD-C2D-C3D	2.44	131.43	127.77
31	Q5	202	PEB	CHA-C4A-NA	-2.44	122.31	125.20
31	GF	201	PEB	OD-C4D-C3D	-2.44	123.94	129.46
31	RJ	203	PEB	CHA-C1B-C2B	2.44	131.16	124.90
31	T4	201	PEB	OD-C4D-C3D	-2.44	123.94	129.46
31	eH	201	PEB	CAA-C3A-C4A	2.44	118.93	112.67
31	gC	201	PEB	CAA-C3A-C2A	-2.44	108.17	114.26
31	E8	202	PEB	CHB-C4B-C3B	-2.44	119.69	125.32
31	BA	203	PEB	CHA-C1B-NB	-2.44	119.84	124.93
31	M8	202	PEB	CMB-C2B-C1B	2.44	128.81	125.06
31	UA	301	PEB	CHA-C4A-NA	2.44	128.10	125.20
31	RJ	201	PEB	OD-C4D-ND	-2.44	122.32	125.93
31	A6	304	PEB	OD-C4D-C3D	-2.44	123.94	129.46
31	GA	203	PEB	CAC-CBC-CGC	-2.44	106.93	113.76
31	R8	201	PEB	CAB-C3B-C4B	2.44	129.32	125.01
31	L9	201	PEB	C2B-C1B-NB	2.44	115.73	110.53
31	DK	203	PEB	OD-C4D-C3D	-2.44	123.94	129.46
31	P4	202	PEB	OD-C4D-C3D	-2.44	123.94	129.46
31	e1	301	PEB	OD-C4D-ND	-2.43	122.32	125.93
32	AD	302	PUB	C2C-C1C-NC	2.43	113.59	110.05
31	P5	202	PEB	CHC-C1D-ND	-2.43	111.12	113.95
31	Y7	503	PEB	OD-C4D-ND	-2.43	122.32	125.93
31	lC	201	PEB	OD-C4D-ND	-2.43	122.32	125.93
31	G7	203	PEB	OD-C4D-C3D	-2.43	123.94	129.46
31	l4	202	PEB	C1B-C2B-C3B	-2.43	103.71	106.51
31	C1	201	PEB	CMA-C2A-C1A	-2.43	107.16	112.40
33	L2	1001	CYC	O2A-CGA-O1A	-2.43	117.23	123.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fH	202	PEB	CMC-C3C-C2C	2.43	129.53	124.94
31	fD	202	PEB	C2A-C3A-C4A	-2.43	97.69	101.34
31	zF	501	PEB	CAC-C2C-C3C	2.43	134.24	127.25
31	TE	201	PEB	CAB-C3B-C4B	2.43	129.31	125.01
31	F1	203	PEB	CHC-C1D-ND	-2.43	111.12	113.95
31	W9	203	PEB	OA-C1A-C2A	-2.43	124.24	126.17
31	Y8	202	PEB	OD-C4D-ND	-2.43	122.33	125.93
31	E8	201	PEB	CBC-CAC-C2C	-2.43	108.47	112.62
31	J9	202	PEB	CAB-C3B-C4B	2.43	129.31	125.01
32	Y1	304	PUB	CHC-C1D-ND	-2.43	110.65	113.72
31	cD	202	PEB	CMB-C2B-C1B	2.43	128.81	125.06
31	KK	201	PEB	OD-C4D-C3D	-2.43	123.95	129.46
31	KH	202	PEB	CMC-C3C-C2C	2.43	129.53	124.94
31	O9	201	PEB	OD-C4D-ND	-2.43	122.33	125.93
31	UI	204	PEB	C3B-C4B-NB	2.43	113.59	110.05
31	T6	202	PEB	C3B-C4B-NB	2.43	113.59	110.05
31	PB	202	PEB	OD-C4D-C3D	-2.43	123.95	129.46
31	kC	203	PEB	OD-C4D-C3D	-2.43	123.95	129.46
31	FJ	202	PEB	OD-C4D-ND	-2.43	122.33	125.93
31	Q8	202	PEB	OD-C4D-ND	-2.43	122.33	125.93
31	tF	201	PEB	C3B-C4B-NB	2.43	113.59	110.05
31	QD	202	PEB	OD-C4D-C3D	-2.43	123.95	129.46
31	P7	202	PEB	CAA-C3A-C4A	-2.43	106.43	112.67
33	C3	1001	CYC	CHA-C1A-NA	-2.43	125.45	128.83
33	E3	1001	CYC	CHA-C1A-NA	-2.43	125.45	128.83
31	lF	203	PEB	OD-C4D-ND	-2.43	122.33	125.93
31	V4	201	PEB	C1B-C2B-C3B	-2.43	103.72	106.51
31	j4	203	PEB	CHA-C1B-NB	-2.43	119.85	124.93
31	RH	202	PEB	CAA-C3A-C2A	-2.43	108.18	114.26
31	P2	201	PEB	C2A-C1A-NA	2.43	110.37	108.27
31	GJ	202	PEB	CMC-C3C-C2C	2.43	129.53	124.94
31	VC	203	PEB	CHB-C4B-NB	-2.43	125.45	128.83
33	T3	1001	CYC	CHA-C1A-NA	-2.43	125.45	128.83
31	K1	201	PEB	CAA-C3A-C4A	-2.43	106.43	112.67
31	XI	202	PEB	CMB-C2B-C1B	2.43	128.81	125.06
31	CH	201	PEB	OD-C4D-C3D	-2.43	123.95	129.46
31	C8	202	PEB	CAC-C2C-C3C	2.43	134.23	127.25
31	w8	303	PEB	OA-C1A-C2A	-2.43	124.24	126.17
31	L8	201	PEB	CBA-CAA-C3A	2.43	118.88	113.47
31	Z4	202	PEB	OD-C4D-C3D	-2.43	123.95	129.46
33	MD	1001	CYC	CHA-C1A-NA	-2.43	125.45	128.83
31	kE	202	PEB	CHC-C1D-ND	-2.43	111.12	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	qF	203	PEB	OD-C4D-ND	-2.43	122.33	125.93
33	N3	1001	CYC	C1B-C2B-C3B	-2.43	105.33	107.87
31	SA	202	PEB	C1C-CHB-C4B	2.43	131.71	128.81
31	eD	202	PEB	CHA-C1B-NB	-2.43	119.85	124.93
31	VH	201	PEB	OD-C4D-C3D	-2.43	123.95	129.46
33	P3	1001	CYC	CHA-C1A-NA	-2.43	125.46	128.83
31	MF	201	PEB	CAB-C3B-C4B	2.43	129.31	125.01
31	RK	203	PEB	C1B-C2B-C3B	-2.43	103.72	106.51
31	o8	201	PEB	O2C-CGC-CBC	2.43	121.84	114.03
31	P5	201	PEB	CHA-C1B-NB	-2.43	119.85	124.93
31	BK	202	PEB	C4B-C3B-C2B	-2.43	104.09	106.78
31	I4	201	PEB	OD-C4D-C3D	-2.43	123.96	129.46
31	oF	201	PEB	OD-C4D-C3D	-2.43	123.96	129.46
31	NK	202	PEB	C2B-C1B-NB	2.43	115.71	110.53
31	QA	201	PEB	C1C-CHB-C4B	2.43	131.71	128.81
31	FI	201	PEB	CAA-C3A-C4A	-2.43	106.44	112.67
31	RF	201	PEB	CAB-C3B-C4B	2.43	129.31	125.01
33	t3	1001	CYC	C1B-C2B-C3B	-2.43	105.34	107.87
31	TB	201	PEB	CHB-C4B-NB	-2.43	125.46	128.83
31	bF	201	PEB	CBA-CAA-C3A	-2.43	108.06	113.47
31	UD	202	PEB	CAB-CBB-CGB	-2.43	108.38	113.60
31	IH	203	PEB	CBC-CAC-C2C	-2.43	108.48	112.62
31	FF	202	PEB	C2B-C1B-NB	2.43	115.71	110.53
31	K9	201	PEB	C4B-C3B-C2B	-2.43	104.10	106.78
31	NI	201	PEB	CHC-C1D-ND	-2.43	111.13	113.95
31	DJ	203	PEB	CBA-CAA-C3A	-2.43	108.06	113.47
31	F1	202	PEB	CAB-C3B-C4B	2.43	129.30	125.01
31	kD	202	PEB	OD-C4D-ND	-2.43	122.33	125.93
31	d4	201	PEB	CAA-C3A-C4A	-2.43	106.44	112.67
31	EF	201	PEB	CBC-CAC-C2C	-2.43	108.48	112.62
31	z8	501	PEB	CAC-C2C-C3C	2.43	134.22	127.25
33	p3	1001	CYC	CHA-C1A-NA	-2.43	125.46	128.83
31	fF	201	PEB	CHA-C1B-C2B	2.43	131.14	124.90
31	EI	201	PEB	CHC-C1D-ND	-2.43	111.13	113.95
31	A9	201	PEB	C4B-C3B-C2B	-2.43	104.10	106.78
32	yF	302	PUB	C4B-CHB-C1C	2.43	131.71	128.81
31	DF	202	PEB	OD-C4D-C3D	-2.43	123.96	129.46
31	X1	202	PEB	OA-C1A-NA	2.43	127.88	124.94
33	d3	1001	CYC	C2A-C1A-NA	2.43	113.58	110.05
31	LK	202	PEB	CHB-C4B-C3B	-2.43	119.72	125.32
33	LC	1001	CYC	C2B-C1B-NB	2.43	110.54	106.99
31	OG	201	PEB	OD-C4D-C3D	-2.43	123.96	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	K1	201	PEB	OD-C4D-C3D	-2.43	123.96	129.46
31	QI	202	PEB	CAB-CBB-CGB	-2.43	108.38	113.60
31	e1	301	PEB	CHB-C4B-NB	-2.43	125.46	128.83
31	pF	202	PEB	CHB-C4B-NB	-2.43	125.46	128.83
31	H1	203	PEB	OD-C4D-ND	-2.43	122.34	125.93
31	GD	202	PEB	CAA-C3A-C4A	-2.43	106.44	112.67
31	AI	202	PEB	CMB-C2B-C1B	2.43	128.80	125.06
31	T5	201	PEB	CAB-C3B-C4B	2.43	129.30	125.01
31	DE	1002	PEB	O2B-CGB-CBB	2.43	121.82	114.03
31	jF	201	PEB	CHC-C1D-ND	-2.43	111.13	113.95
31	dF	202	PEB	C4B-C3B-C2B	-2.43	104.10	106.78
31	XF	202	PEB	CBC-CAC-C2C	-2.42	108.48	112.62
33	G3	1001	CYC	CHA-C1A-NA	-2.42	125.46	128.83
31	V1	202	PEB	C2B-C1B-NB	2.42	115.70	110.53
31	DH	201	PEB	CAA-C3A-C2A	-2.42	108.20	114.26
31	LI	202	PEB	C3B-C4B-NB	2.42	113.58	110.05
31	EJ	202	PEB	C1B-C2B-C3B	-2.42	103.72	106.51
31	R1	203	PEB	C1B-C2B-C3B	-2.42	103.72	106.51
33	g3	1001	CYC	C1B-C2B-C3B	-2.42	105.34	107.87
31	SJ	202	PEB	CHB-C4B-C3B	-2.42	119.72	125.32
31	Z9	303	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	YG	201	PEB	C4B-C3B-C2B	-2.42	104.10	106.78
31	mE	202	PEB	C4B-C3B-C2B	-2.42	104.10	106.78
31	LF	202	PEB	C4B-NB-C1B	-2.42	101.94	106.51
31	N1	201	PEB	CMA-C2A-C1A	-2.42	107.18	112.40
31	cD	202	PEB	CHA-C4A-NA	-2.42	122.32	125.20
31	RC	201	PEB	C2B-C1B-NB	2.42	115.70	110.53
31	OH	202	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	a6	201	PEB	CAB-C3B-C4B	2.42	129.30	125.01
31	HJ	202	PEB	OA-C1A-C2A	-2.42	124.25	126.17
31	XK	203	PEB	OD-C4D-ND	-2.42	122.34	125.93
31	jB	202	PEB	OD-C4D-ND	-2.42	122.34	125.93
31	PI	201	PEB	CHC-C1D-ND	-2.42	111.13	113.95
31	eH	202	PEB	CHC-C1D-ND	2.42	116.76	113.95
31	x8	303	PEB	CHA-C1B-NB	-2.42	119.86	124.93
31	QE	202	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	WI	203	PEB	C3B-C4B-NB	2.42	113.57	110.05
31	l6	201	PEB	C4B-C3B-C2B	-2.42	104.10	106.78
31	Y1	303	PEB	CMC-C3C-C2C	-2.42	120.37	124.94
31	X1	202	PEB	C2B-C1B-NB	2.42	115.70	110.53
31	BJ	202	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	RI	202	PEB	CMB-C2B-C1B	2.42	128.79	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	t3	1001	CYC	CHA-C1A-NA	-2.42	125.47	128.83
33	M3	1001	CYC	C2A-C1A-NA	2.42	113.57	110.05
31	RI	201	PEB	CHC-C1D-ND	-2.42	111.13	113.95
31	TH	202	PEB	O2B-CGB-CBB	2.42	121.81	114.03
31	QI	202	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	Q4	203	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	zF	501	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	C9	201	PEB	C4B-C3B-C2B	-2.42	104.10	106.78
31	I1	202	PEB	CHA-C4A-NA	-2.42	122.33	125.20
31	Q7	201	PEB	CBB-CAB-C3B	-2.42	105.90	112.63
32	B4	302	PUB	C2C-C1C-NC	2.42	113.57	110.05
31	D9	201	PEB	C1C-CHB-C4B	-2.42	125.92	128.81
33	MD	1001	CYC	CHB-C1B-NB	-2.42	120.86	126.06
33	A3	1001	CYC	C1B-C2B-C3B	-2.42	105.34	107.87
31	f8	201	PEB	CAB-CBB-CGB	-2.42	108.39	113.60
31	UI	203	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	XJ	203	PEB	CHA-C1B-NB	-2.42	119.87	124.93
31	QD	202	PEB	C3B-C4B-NB	2.42	113.57	110.05
32	A4	303	PUB	C2C-C1C-NC	2.42	113.57	110.05
31	Q9	202	PEB	CMA-C2A-C1A	-2.42	107.18	112.40
31	F6	1002	PEB	CAA-C3A-C2A	-2.42	108.21	114.26
31	G4	203	PEB	OD-C4D-C3D	-2.42	123.97	129.46
31	M7	202	PEB	CBA-CAA-C3A	-2.42	108.08	113.47
31	CI	202	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	j8	201	PEB	CHC-C1D-ND	-2.42	111.14	113.95
31	P6	201	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	gB	202	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	mE	203	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	OF	201	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	II	202	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	KI	202	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	YA	201	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	O6	202	PEB	C4B-C3B-C2B	-2.42	104.11	106.78
31	PI	202	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	SB	201	PEB	OD-C4D-ND	-2.42	122.35	125.93
33	DB	1001	CYC	CBB-CAB-C3B	-2.42	105.76	112.43
31	P8	201	PEB	CMA-C2A-C1A	-2.42	107.19	112.40
31	v8	201	PEB	C1C-CHB-C4B	2.42	131.70	128.81
31	FK	201	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	NG	201	PEB	CHC-C4C-C3C	-2.42	126.21	130.34
31	ZF	201	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	QA	204	PEB	OD-C4D-C3D	-2.42	123.98	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	lB	202	PEB	OD-C4D-ND	-2.42	122.35	125.93
31	Q9	202	PEB	C2A-C1A-NA	2.42	110.36	108.27
31	V1	203	PEB	C1B-C2B-C3B	-2.42	103.73	106.51
31	A7	202	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	CA	201	PEB	CHC-C4C-C3C	-2.42	126.21	130.34
31	Y4	203	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	O8	201	PEB	CMB-C2B-C1B	2.42	128.79	125.06
33	l3	1001	CYC	C1B-C2B-C3B	-2.42	105.35	107.87
31	f8	201	PEB	C1B-C2B-C3B	-2.42	103.73	106.51
31	kF	201	PEB	C1B-C2B-C3B	-2.42	103.73	106.51
31	EI	202	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	aA	201	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	NB	1002	PEB	CAB-CBB-CGB	-2.42	108.40	113.60
31	B1	201	PEB	CAB-C3B-C2B	2.42	132.38	127.88
31	D5	203	PEB	CBA-CAA-C3A	-2.42	108.08	113.47
31	JE	201	PEB	CAA-C3A-C4A	-2.42	106.47	112.67
31	VF	202	PEB	OD-C4D-C3D	-2.42	123.98	129.46
33	L3	1001	CYC	C2A-C1A-NA	2.42	113.56	110.05
31	R2	202	PEB	CMB-C2B-C1B	2.42	128.79	125.06
31	K4	202	PEB	C1C-CHB-C4B	-2.42	125.92	128.81
31	IJ	202	PEB	C1B-C2B-C3B	-2.42	103.73	106.51
31	k8	201	PEB	C1B-C2B-C3B	-2.42	103.73	106.51
31	iB	203	PEB	OD-C4D-ND	-2.42	122.35	125.93
31	SE	202	PEB	OD-C4D-C3D	-2.42	123.98	129.46
31	G5	202	PEB	CMC-C3C-C2C	2.42	129.50	124.94
31	S7	202	PEB	CHC-C1D-ND	-2.42	111.14	113.95
31	XA	202	PEB	CHB-C4B-C3B	-2.42	119.74	125.32
33	EC	1001	CYC	CHA-C1A-C2A	-2.42	119.74	125.32
31	FK	202	PEB	CAB-C3B-C4B	2.42	129.28	125.01
33	BE	1001	CYC	CHB-C1B-NB	-2.42	120.87	126.06
31	PF	201	PEB	CMA-C2A-C1A	-2.42	107.19	112.40
31	JJ	202	PEB	CMA-C2A-C1A	-2.42	107.19	112.40
31	HE	1002	PEB	OD-C4D-ND	-2.42	122.35	125.93
33	G3	1001	CYC	C1B-C2B-C3B	-2.42	105.35	107.87
31	ZC	202	PEB	OD-C4D-C3D	-2.42	123.99	129.46
32	N5	201	PUB	CMD-C2D-C3D	2.42	131.39	127.77
31	a4	201	PEB	CHC-C1D-ND	-2.42	111.14	113.95
31	gC	201	PEB	CHC-C4C-C3C	-2.42	126.22	130.34
31	I9	201	PEB	C4B-C3B-C2B	-2.42	104.11	106.78
31	B7	202	PEB	CAC-CBC-CGC	-2.41	106.99	113.76
31	kD	202	PEB	CHC-C1D-ND	-2.41	111.14	113.95
31	QJ	202	PEB	CHA-C4A-NA	-2.41	122.33	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OA	201	PEB	CMA-C2A-C1A	-2.41	107.20	112.40
31	xF	304	PEB	CAB-CBB-CGB	-2.41	108.41	113.60
31	U4	202	PEB	OD-C4D-C3D	-2.41	123.99	129.46
31	V8	202	PEB	OD-C4D-C3D	-2.41	123.99	129.46
31	VE	202	PEB	CMC-C3C-C2C	2.41	129.49	124.94
31	UI	203	PEB	C3B-C4B-NB	2.41	113.56	110.05
31	HI	201	PEB	OD-C4D-ND	-2.41	122.35	125.93
31	C7	202	PEB	OD-C4D-C3D	-2.41	123.99	129.46
31	m8	202	PEB	C2A-C1A-NA	2.41	110.35	108.27
33	J3	1001	CYC	C1B-C2B-C3B	-2.41	105.35	107.87
31	jB	201	PEB	CHA-C1B-NB	-2.41	119.88	124.93
33	h3	1001	CYC	C2A-C1A-NA	2.41	113.56	110.05
31	RD	201	PEB	OD-C4D-C3D	-2.41	123.99	129.46
33	BE	1001	CYC	CHA-C1A-C2A	-2.41	119.75	125.32
31	IH	201	PEB	CAA-C3A-C4A	-2.41	106.48	112.67
33	N6	1001	CYC	CHB-C4A-C3A	2.41	131.11	124.90
33	N3	1001	CYC	CHA-C1A-NA	-2.41	125.48	128.83
33	r3	1001	CYC	CHA-C1A-NA	-2.41	125.48	128.83
33	N2	1001	CYC	C1A-C2A-C3A	-2.41	104.11	106.78
31	S9	203	PEB	CHC-C1D-ND	-2.41	111.14	113.95
31	YB	201	PEB	CHA-C4A-NA	2.41	128.07	125.20
31	IH	201	PEB	OD-C4D-ND	-2.41	122.36	125.93
31	PB	201	PEB	OD-C4D-C3D	-2.41	123.99	129.46
31	KA	302	PEB	C1C-CHB-C4B	2.41	131.69	128.81
31	a2	202	PEB	C1C-CHB-C4B	-2.41	125.93	128.81
31	VK	202	PEB	C2B-C1B-NB	2.41	115.68	110.53
31	EJ	201	PEB	C1B-C2B-C3B	-2.41	103.74	106.51
31	f4	201	PEB	CHA-C1B-NB	-2.41	119.89	124.93
31	UB	201	PEB	CBA-CAA-C3A	-2.41	108.10	113.47
31	P5	202	PEB	CAB-C3B-C4B	2.41	129.28	125.01
31	XF	201	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	B7	201	PEB	C1C-CHB-C4B	2.41	131.69	128.81
31	QK	201	PEB	C2A-C1A-NA	2.41	110.35	108.27
31	L9	202	PEB	C1B-C2B-C3B	-2.41	103.74	106.51
31	fD	201	PEB	C4B-C3B-C2B	-2.41	104.11	106.78
31	XA	201	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	OH	203	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	Z2	201	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	C8	202	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	e2	202	PEB	OD-C4D-ND	-2.41	122.36	125.93
31	c6	203	PEB	CHC-C1D-ND	-2.41	111.15	113.95
31	DI	203	PEB	CHA-C4A-NA	-2.41	122.34	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YK	303	PEB	CMC-C3C-C2C	-2.41	120.40	124.94
31	vF	202	PEB	CHB-C4B-NB	-2.41	125.48	128.83
31	Z8	202	PEB	C2B-C1B-NB	2.41	115.67	110.53
31	Y8	202	PEB	CMB-C2B-C1B	2.41	128.78	125.06
31	LF	201	PEB	CBA-CAA-C3A	2.41	118.83	113.47
31	W9	201	PEB	CAB-CBB-CGB	-2.41	108.42	113.60
31	yF	301	PEB	CHC-C4C-C3C	-2.41	126.22	130.34
31	aB	201	PEB	C1B-C2B-C3B	-2.41	103.74	106.51
31	N1	202	PEB	C2B-C1B-NB	2.41	115.67	110.53
31	KA	303	PEB	CHA-C4A-NA	2.41	128.07	125.20
31	KA	304	PEB	CHC-C1D-ND	-2.41	111.15	113.95
31	CI	201	PEB	CHC-C1D-ND	-2.41	111.15	113.95
31	y8	301	PEB	CHC-C4C-C3C	-2.41	126.23	130.34
31	P6	202	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	GI	202	PEB	CMB-C2B-C1B	2.41	128.78	125.06
31	H2	1002	PEB	CHC-C4C-C3C	-2.41	126.23	130.34
31	aB	203	PEB	C2A-C1A-NA	2.41	110.35	108.27
31	F8	202	PEB	C2B-C1B-NB	2.41	115.67	110.53
33	e3	1001	CYC	C1B-C2B-C3B	-2.41	105.36	107.87
31	mB	203	PEB	C1B-C2B-C3B	-2.41	103.74	106.51
31	GA	201	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	OD	201	PEB	CMA-C2A-C1A	-2.41	107.21	112.40
31	TI	202	PEB	CMB-C2B-C1B	2.41	128.77	125.06
32	M9	305	PUB	CMD-C2D-C3D	2.41	131.38	127.77
31	D1	203	PEB	OD-C4D-C3D	-2.41	124.00	129.46
33	K3	1001	CYC	C1B-C2B-C3B	-2.41	105.36	107.87
31	L8	202	PEB	C4B-NB-C1B	-2.41	101.97	106.51
31	X7	202	PEB	C3B-C4B-NB	2.41	113.55	110.05
31	FA	201	PEB	CHC-C1D-ND	-2.41	111.15	113.95
31	AC	305	PEB	CMB-C2B-C1B	2.41	128.77	125.06
31	PF	201	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	B1	202	PEB	OD-C4D-C3D	-2.41	124.00	129.46
31	WJ	202	PEB	C1C-CHB-C4B	2.41	131.69	128.81
31	TB	203	PEB	C1B-C2B-C3B	-2.41	103.74	106.51
31	JF	202	PEB	CHA-C4A-NA	2.41	128.07	125.20
31	F4	201	PEB	CHA-C4A-NA	2.41	128.07	125.20
31	j6	201	PEB	CHA-C1B-NB	-2.41	119.90	124.93
31	S6	202	PEB	CBA-CAA-C3A	-2.41	108.11	113.47
31	B1	202	PEB	C4B-C3B-C2B	-2.41	104.12	106.78
31	b8	202	PEB	C4B-C3B-C2B	-2.41	104.12	106.78
31	BK	202	PEB	OD-C4D-C3D	-2.41	124.01	129.46
31	X7	202	PEB	OD-C4D-C3D	-2.41	124.01	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SD	202	PEB	OD-C4D-C3D	-2.41	124.01	129.46
33	JC	1001	CYC	CAC-C3C-C4C	-2.41	106.49	112.67
31	DI	202	PEB	CAB-CBB-CGB	-2.41	108.42	113.60
31	fF	201	PEB	CAB-CBB-CGB	-2.41	108.42	113.60
31	V2	203	PEB	CHB-C4B-NB	-2.41	125.49	128.83
31	FI	202	PEB	OD-C4D-C3D	-2.41	124.01	129.46
31	EG	201	PEB	CHC-C4C-C3C	-2.41	126.23	130.34
31	T8	202	PEB	C2B-C1B-NB	2.41	115.66	110.53
31	Y1	302	PEB	CMC-C3C-C2C	2.41	129.48	124.94
31	WA	401	PEB	CMB-C2B-C1B	2.41	128.77	125.06
31	BJ	201	PEB	CMA-C2A-C1A	-2.41	107.22	112.40
31	x8	304	PEB	CAB-CBB-CGB	-2.41	108.43	113.60
31	aD	201	PEB	CHA-C1B-NB	-2.41	119.90	124.93
33	M2	201	CYC	C1B-CHB-C4A	-2.41	122.20	128.08
31	T1	202	PEB	CBC-CAC-C2C	2.41	116.72	112.62
31	VK	203	PEB	C1B-C2B-C3B	-2.41	103.75	106.51
31	sF	202	PEB	C1B-C2B-C3B	-2.41	103.75	106.51
33	KE	202	CYC	C4A-C3A-C2A	-2.41	103.75	106.51
31	J5	202	PEB	CMA-C2A-C1A	-2.41	107.22	112.40
31	F5	201	PEB	C3B-C4B-NB	2.41	113.55	110.05
33	p3	1001	CYC	C1B-C2B-C3B	-2.41	105.36	107.87
31	S8	202	PEB	OD-C4D-C3D	-2.41	124.01	129.46
31	KG	202	PEB	CHC-C4C-C3C	-2.40	126.23	130.34
33	H6	1001	CYC	CHB-C4A-C3A	2.40	131.08	124.90
31	YG	201	PEB	CHA-C1B-NB	-2.40	119.90	124.93
33	73	1001	CYC	C2A-C1A-NA	2.40	113.55	110.05
31	X7	202	PEB	C1B-C2B-C3B	-2.40	103.75	106.51
31	F9	203	PEB	C1B-C2B-C3B	-2.40	103.75	106.51
31	FB	1002	PEB	CAA-C3A-C2A	-2.40	108.25	114.26
31	N9	201	PEB	C4B-C3B-C2B	-2.40	104.12	106.78
31	NK	201	PEB	CMA-C2A-C1A	-2.40	107.22	112.40
31	lF	201	PEB	CBB-CAB-C3B	2.40	119.31	112.63
31	JI	203	PEB	CAB-C3B-C4B	2.40	129.26	125.01
31	s8	202	PEB	C1B-C2B-C3B	-2.40	103.75	106.51
31	CH	203	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	Y6	202	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	x8	303	PEB	C1C-CHB-C4B	-2.40	125.94	128.81
31	V8	201	PEB	C3B-C4B-NB	2.40	113.55	110.05
31	RK	201	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	z8	501	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	hH	202	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	SI	201	PEB	O2B-CGB-CBB	2.40	121.75	114.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SF	203	PEB	C1B-C2B-C3B	-2.40	103.75	106.51
31	RH	201	PEB	C1B-C2B-C3B	-2.40	103.75	106.51
31	NI	202	PEB	CMB-C2B-C1B	2.40	128.76	125.06
31	BK	202	PEB	C3B-C4B-NB	2.40	113.54	110.05
33	S3	1001	CYC	C2A-C1A-NA	2.40	113.54	110.05
33	k3	1001	CYC	C2A-C1A-NA	2.40	113.54	110.05
31	kD	201	PEB	C1C-CHB-C4B	-2.40	125.94	128.81
31	Y7	502	PEB	C4B-C3B-C2B	-2.40	104.12	106.78
33	v3	1001	CYC	C1B-C2B-C3B	-2.40	105.36	107.87
31	V5	203	PEB	C2A-C1A-NA	2.40	110.34	108.27
33	CC	1001	CYC	C2C-C1C-NC	2.40	110.34	108.27
31	E4	202	PEB	O2C-CGC-CBC	2.40	121.75	114.03
31	FJ	202	PEB	CMB-C2B-C1B	2.40	128.76	125.06
31	TI	201	PEB	CHC-C1D-ND	-2.40	111.16	113.95
31	YK	302	PEB	CMC-C3C-C2C	2.40	129.47	124.94
31	b7	502	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	H1	202	PEB	C4B-C3B-C2B	-2.40	104.12	106.78
31	V9	201	PEB	C4B-C3B-C2B	-2.40	104.12	106.78
33	C3	1001	CYC	C1B-C2B-C3B	-2.40	105.36	107.87
32	AC	304	PUB	CHA-C1B-C2B	-2.40	126.24	130.34
31	mH	201	PEB	O2B-CGB-CBB	2.40	121.75	114.03
33	F3	1001	CYC	C2A-C1A-NA	2.40	113.54	110.05
31	ZA	202	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	X8	201	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	aH	203	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	II	201	PEB	CHC-C1D-ND	-2.40	111.16	113.95
31	W7	201	PEB	CAC-CBC-CGC	-2.40	107.03	113.76
31	c4	202	PEB	OD-C4D-ND	-2.40	122.37	125.93
31	XK	202	PEB	OA-C1A-NA	2.40	127.85	124.94
31	FJ	202	PEB	CHC-C1D-ND	-2.40	111.16	113.95
31	e4	201	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	X5	203	PEB	OD-C4D-ND	-2.40	122.38	125.93
31	UE	202	PEB	CAB-CBB-CGB	-2.40	108.44	113.60
31	OK	201	PEB	CMD-C2D-C3D	2.40	133.45	130.06
31	cE	202	PEB	CHA-C4A-NA	-2.40	122.35	125.20
31	VD	202	PEB	CMC-C3C-C2C	2.40	129.47	124.94
31	CF	203	PEB	OD-C4D-C3D	-2.40	124.02	129.46
31	MI	305	PEB	C1B-C2B-C3B	-2.40	103.75	106.51
31	e6	203	PEB	CAB-CBB-CGB	2.40	118.77	113.60
33	U3	1001	CYC	C2A-C1A-NA	2.40	113.54	110.05
32	A6	303	PUB	CMD-C2D-C3D	2.40	131.37	127.77
31	P2	201	PEB	OD-C4D-C3D	-2.40	124.03	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MK	202	PEB	CHA-C1B-NB	-2.40	119.92	124.93
31	rF	201	PEB	C2A-C1A-NA	2.40	110.34	108.27
31	GH	201	PEB	CHA-C4A-NA	2.40	128.06	125.20
31	S5	202	PEB	CHB-C4B-C3B	-2.40	119.78	125.32
33	D3	1001	CYC	C2A-C1A-NA	2.40	113.54	110.05
31	WC	203	PEB	CHC-C1D-ND	-2.40	111.16	113.95
31	GI	201	PEB	CHC-C1D-ND	-2.40	111.16	113.95
31	D7	201	PEB	OD-C4D-C3D	-2.40	124.03	129.46
31	b8	201	PEB	CBA-CAA-C3A	-2.40	108.13	113.47
31	aF	202	PEB	C4B-C3B-C2B	-2.40	104.13	106.78
33	u3	1001	CYC	C2A-C1A-NA	2.40	113.54	110.05
31	F1	203	PEB	C2A-C1A-NA	2.40	110.34	108.27
31	g4	201	PEB	OD-C4D-C3D	-2.40	124.03	129.46
33	R3	1001	CYC	C1B-C2B-C3B	-2.40	105.37	107.87
31	WJ	201	PEB	CHC-C1D-ND	-2.40	111.16	113.95
31	LF	201	PEB	C1C-CHB-C4B	2.40	131.67	128.81
33	HB	1001	CYC	CHB-C4A-C3A	2.40	131.06	124.90
31	YB	202	PEB	OD-C4D-C3D	-2.40	124.03	129.46
31	P5	202	PEB	C3B-C4B-NB	2.40	113.54	110.05
33	w3	1001	CYC	C2A-C1A-NA	2.40	113.54	110.05
31	G7	202	PEB	C2B-C1B-NB	2.40	115.64	110.53
31	X1	201	PEB	CHA-C4A-NA	2.40	128.06	125.20
31	l4	203	PEB	CMC-C3C-C2C	2.40	129.46	124.94
31	CF	202	PEB	OD-C4D-C3D	-2.40	124.03	129.46
31	a6	201	PEB	C1B-C2B-C3B	-2.40	103.76	106.51
31	eE	202	PEB	CHC-C1D-ND	-2.40	111.16	113.95
33	E3	1001	CYC	C1B-C2B-C3B	-2.40	105.37	107.87
33	c3	1001	CYC	C1B-C2B-C3B	-2.40	105.37	107.87
31	DI	202	PEB	CHA-C1B-NB	-2.40	119.92	124.93
31	Z2	202	PEB	CAB-C3B-C4B	2.40	129.25	125.01
32	Q4	202	PUB	C2C-C1C-NC	2.40	113.53	110.05
32	AB	303	PUB	CMD-C2D-C3D	2.40	131.36	127.77
31	KF	201	PEB	OD-C4D-C3D	-2.40	124.03	129.46
31	lE	201	PEB	CMB-C2B-C1B	2.40	128.75	125.06
31	V6	201	PEB	OD-C4D-C3D	-2.40	124.03	129.46
31	nF	201	PEB	C1B-C2B-C3B	-2.40	103.76	106.51
31	J1	202	PEB	C2B-C1B-NB	2.40	115.64	110.53
31	FH	201	PEB	CMA-C2A-C1A	-2.40	107.24	112.40
31	T7	202	PEB	CHA-C1B-C2B	2.40	131.06	124.90
31	mF	202	PEB	C2A-C1A-NA	2.40	110.34	108.27
31	HI	202	PEB	CHA-C4A-NA	-2.40	122.36	125.20
31	m2	202	PEB	CHA-C4A-NA	2.40	128.05	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	e6	201	PEB	CHA-C4A-NA	2.40	128.05	125.20
31	CF	202	PEB	CAC-C2C-C3C	2.39	134.13	127.25
31	a8	202	PEB	CHC-C1D-ND	-2.39	111.17	113.95
33	m3	1001	CYC	C1B-C2B-C3B	-2.39	105.37	107.87
31	QE	202	PEB	C3B-C4B-NB	2.39	113.53	110.05
31	PG	201	PEB	CHC-C4C-C3C	-2.39	126.25	130.34
31	lC	202	PEB	C2A-C1A-NA	2.39	110.34	108.27
31	LA	201	PEB	CHA-C1B-NB	-2.39	119.92	124.93
33	R3	1001	CYC	CAB-C3B-C2B	2.39	131.62	127.53
31	eC	201	PEB	OD-C4D-C3D	-2.39	124.04	129.46
31	fF	201	PEB	C1B-C2B-C3B	-2.39	103.76	106.51
31	dB	201	PEB	CHC-C1D-ND	-2.39	111.17	113.95
31	S4	201	PEB	CAB-CBB-CGB	-2.39	108.45	113.60
31	aF	202	PEB	OA-C1A-C2A	-2.39	124.27	126.17
31	WC	201	PEB	OD-C4D-ND	-2.39	122.39	125.93
31	Y4	203	PEB	OD-C4D-ND	-2.39	122.39	125.93
33	n3	1001	CYC	C2A-C1A-NA	2.39	113.53	110.05
31	F9	203	PEB	CAC-CBC-CGC	-2.39	107.05	113.76
31	eA	201	PEB	CAB-CBB-CGB	-2.39	108.45	113.60
31	EF	202	PEB	CHB-C4B-C3B	-2.39	119.79	125.32
33	A3	1001	CYC	CHA-C1A-NA	-2.39	125.51	128.83
33	H3	1001	CYC	C2A-C1A-NA	2.39	113.53	110.05
33	O3	1001	CYC	C2A-C1A-NA	2.39	113.53	110.05
31	D8	202	PEB	OD-C4D-C3D	-2.39	124.04	129.46
31	DK	203	PEB	CHB-C4B-C3B	-2.39	119.80	125.32
31	UC	202	PEB	C1C-CHB-C4B	2.39	131.67	128.81
31	XK	202	PEB	C2B-C1B-NB	2.39	115.63	110.53
31	D9	201	PEB	C2B-C1B-NB	2.39	115.63	110.53
31	LG	202	PEB	CBC-CAC-C2C	-2.39	108.54	112.62
31	dE	204	PEB	CBC-CAC-C2C	-2.39	108.54	112.62
31	eB	203	PEB	CAB-CBB-CGB	2.39	118.75	113.60
31	XK	201	PEB	CHA-C4A-NA	2.39	128.05	125.20
31	GK	201	PEB	C1C-CHB-C4B	2.39	131.66	128.81
31	G1	201	PEB	C1C-CHB-C4B	2.39	131.66	128.81
31	GG	202	PEB	CHC-C4C-C3C	-2.39	126.26	130.34
31	SF	202	PEB	OD-C4D-C3D	-2.39	124.04	129.46
31	DF	203	PEB	OD-C4D-ND	-2.39	122.39	125.93
32	AD	303	PUB	CMD-C2D-C3D	2.39	131.35	127.77
31	DI	202	PEB	C3B-C4B-NB	2.39	113.53	110.05
31	UH	201	PEB	CAB-CBB-CGB	-2.39	108.46	113.60
31	KI	201	PEB	CHC-C1D-ND	-2.39	111.17	113.95
31	l6	202	PEB	OD-C4D-ND	-2.39	122.39	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RE	201	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	aA	201	PEB	CHA-C1B-C2B	2.39	131.04	124.90
31	KA	301	PEB	CHA-C4A-NA	2.39	128.05	125.20
31	FI	203	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	SJ	201	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	K4	201	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	Q4	203	PEB	C1C-CHB-C4B	-2.39	125.95	128.81
31	SB	201	PEB	CBA-CAA-C3A	-2.39	108.15	113.47
31	BJ	201	PEB	CAB-C3B-C4B	2.39	129.23	125.01
31	aE	201	PEB	CHA-C1B-NB	-2.39	119.94	124.93
31	xF	303	PEB	CHA-C1B-NB	-2.39	119.94	124.93
31	DH	202	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	cA	401	PEB	C1C-CHB-C4B	-2.39	125.96	128.81
33	x3	1001	CYC	CAB-C3B-C2B	2.39	131.61	127.53
31	VG	203	PEB	C2B-C1B-NB	2.39	115.63	110.53
31	TE	201	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	KG	201	PEB	C2B-C1B-NB	2.39	115.62	110.53
31	YC	201	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	M8	201	PEB	CAB-C3B-C4B	2.39	129.23	125.01
31	a4	203	PEB	C1C-CHB-C4B	2.39	131.66	128.81
31	VI	201	PEB	CHC-C1D-ND	-2.39	111.17	113.95
31	GA	201	PEB	C1B-C2B-C3B	-2.39	103.77	106.51
31	VI	202	PEB	CMB-C2B-C1B	2.39	128.74	125.06
33	LC	1001	CYC	O2A-CGA-O1A	-2.39	117.35	123.30
31	Q8	201	PEB	CBC-CAC-C2C	-2.39	108.55	112.62
31	Y7	502	PEB	OD-C4D-C3D	-2.39	124.05	129.46
31	I8	203	PEB	CMB-C2B-C1B	2.39	128.74	125.06
33	BE	1002	CYC	CMC-C2C-C1C	-2.39	107.26	112.40
31	l8	201	PEB	CBB-CAB-C3B	2.39	119.26	112.63
33	j3	1001	CYC	C2A-C1A-NA	2.39	113.52	110.05
33	q3	1001	CYC	C2A-C1A-NA	2.39	113.52	110.05
31	PJ	201	PEB	CHA-C1B-NB	-2.39	119.94	124.93
31	DI	201	PEB	OA-C1A-C2A	-2.39	124.28	126.17
31	A8	202	PEB	CHC-C4C-C3C	-2.39	126.27	130.34
32	A6	302	PUB	C2C-C1C-NC	2.39	113.52	110.05
33	DC	1001	CYC	C2A-C1A-NA	2.39	113.52	110.05
33	P3	1001	CYC	CAB-C3B-C2B	2.39	131.61	127.53
33	i3	1001	CYC	CAB-C3B-C2B	2.39	131.61	127.53
31	H9	202	PEB	CAB-C3B-C4B	2.39	129.23	125.01
31	QF	201	PEB	CBC-CAC-C2C	-2.38	108.55	112.62
31	DI	201	PEB	O1B-CGB-CBB	-2.38	115.42	123.08
31	T8	202	PEB	C4B-NB-C1B	-2.38	102.02	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	TD	201	PEB	CAB-C3B-C4B	2.38	129.23	125.01
31	FJ	201	PEB	C4B-C3B-C2B	-2.38	104.14	106.78
31	C7	202	PEB	C4B-C3B-C2B	-2.38	104.14	106.78
31	iC	202	PEB	C4B-C3B-C2B	-2.38	104.14	106.78
32	AE	303	PUB	CMD-C2D-C3D	2.38	131.35	127.77
31	L8	201	PEB	C1C-CHB-C4B	2.38	131.66	128.81
33	L2	1001	CYC	CMA-C3A-C2A	-2.38	119.64	126.12
31	R1	201	PEB	OD-C4D-C3D	-2.38	124.06	129.46
31	XK	201	PEB	CAA-C3A-C2A	-2.38	108.30	114.26
31	AG	201	PEB	CHC-C4C-C3C	-2.38	126.27	130.34
31	g2	201	PEB	CHC-C4C-C3C	-2.38	126.27	130.34
31	UG	202	PEB	C1B-C2B-C3B	-2.38	103.77	106.51
31	J6	1002	PEB	CBA-CAA-C3A	-2.38	108.16	113.47
31	IK	202	PEB	CHA-C4A-NA	-2.38	122.37	125.20
31	MF	201	PEB	OD-C4D-C3D	-2.38	124.06	129.46
31	U4	203	PEB	OD-C4D-C3D	-2.38	124.06	129.46
31	K8	202	PEB	C4B-C3B-C2B	-2.38	104.14	106.78
33	C2	1001	CYC	CHB-C4A-C3A	2.38	131.03	124.90
33	f3	1001	CYC	C2A-C1A-NA	2.38	113.52	110.05
31	B1	203	PEB	OA-C1A-C2A	-2.38	124.28	126.17
31	Y8	202	PEB	CHA-C1B-NB	-2.38	119.95	124.93
31	XG	201	PEB	CHC-C4C-C3C	-2.38	126.27	130.34
31	jH	201	PEB	CAB-CBB-CGB	-2.38	108.47	113.60
31	CJ	201	PEB	C1B-C2B-C3B	-2.38	103.77	106.51
31	hB	202	PEB	OD-C4D-C3D	-2.38	124.06	129.46
31	Z2	203	PEB	C2A-C1A-NA	2.38	110.33	108.27
31	RC	202	PEB	C4B-C3B-C2B	-2.38	104.15	106.78
31	iE	201	PEB	C4B-C3B-C2B	-2.38	104.15	106.78
32	yF	303	PUB	CMD-C2D-C3D	2.38	131.34	127.77
31	lC	202	PEB	CHB-C4B-C3B	2.38	130.82	125.32
31	R2	201	PEB	C2B-C1B-NB	2.38	115.61	110.53
31	s8	202	PEB	C3B-C4B-NB	2.38	113.51	110.05
31	TG	202	PEB	CHC-C4C-C3C	-2.38	126.27	130.34
31	V8	202	PEB	CHC-C4C-C3C	-2.38	126.27	130.34
31	FJ	201	PEB	CHA-C4A-NA	2.38	128.04	125.20
31	N2	1002	PEB	CMB-C2B-C1B	2.38	128.73	125.06
31	IH	202	PEB	CAB-CBB-CGB	-2.38	108.48	113.60
31	hH	203	PEB	C3B-C4B-NB	2.38	113.51	110.05
32	x8	306	PUB	C2C-C1C-NC	2.38	113.51	110.05
32	yF	302	PUB	C2C-C1C-NC	2.38	113.51	110.05
31	AK	201	PEB	CBB-CAB-C3B	2.38	119.24	112.63
31	NC	1002	PEB	CMB-C2B-C1B	2.38	128.73	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	ME	1001	CYC	CHB-C1B-NB	-2.38	120.95	126.06
32	AH	304	PUB	CAC-CBC-CGC	-2.38	108.48	113.60
33	CE	1001	CYC	C4A-C3A-C2A	-2.38	103.77	106.51
31	M7	202	PEB	OD-C4D-C3D	-2.38	124.07	129.46
31	dE	202	PEB	OD-C4D-C3D	-2.38	124.07	129.46
31	BK	203	PEB	OA-C1A-C2A	-2.38	124.28	126.17
31	U9	201	PEB	C2B-C1B-NB	2.38	115.61	110.53
31	U6	201	PEB	CBA-CAA-C3A	-2.38	108.17	113.47
31	SF	201	PEB	OD-C4D-C3D	-2.38	124.07	129.46
31	fH	202	PEB	CMD-C2D-C3D	2.38	133.42	130.06
33	P3	1001	CYC	C1B-C2B-C3B	-2.38	105.39	107.87
31	H8	202	PEB	CHC-C1D-ND	-2.38	111.18	113.95
31	JI	202	PEB	C2A-C1A-NA	2.38	110.33	108.27
31	OA	201	PEB	OD-C4D-ND	-2.38	122.40	125.93
31	F1	201	PEB	C1B-C2B-C3B	-2.38	103.78	106.51
31	V7	201	PEB	C1B-C2B-C3B	-2.38	103.78	106.51
31	RC	202	PEB	CAB-C3B-C4B	2.38	129.22	125.01
31	D1	203	PEB	CHB-C4B-C3B	-2.38	119.82	125.32
31	AB	301	PEB	OD-C4D-C3D	-2.38	124.07	129.46
31	F4	202	PEB	CMA-C2A-C1A	-2.38	107.27	112.40
33	J2	1001	CYC	CAC-C3C-C4C	-2.38	106.56	112.67
31	IG	201	PEB	CHC-C4C-C3C	-2.38	126.28	130.34
31	Q7	201	PEB	OD-C4D-C3D	-2.38	124.07	129.46
31	CH	201	PEB	CHA-C1B-C2B	2.38	131.02	124.90
31	N6	1002	PEB	CAB-CBB-CGB	-2.38	108.48	113.60
31	mC	202	PEB	C2A-C1A-NA	2.38	110.32	108.27
33	I2	201	CYC	CBD-CAD-C3D	-2.38	108.56	112.62
31	CG	201	PEB	CHC-C4C-C3C	-2.38	126.28	130.34
31	NA	203	PEB	CAB-C3B-C4B	2.38	129.22	125.01
31	B5	201	PEB	CAB-C3B-C4B	2.38	129.22	125.01
31	G8	202	PEB	CHB-C4B-NB	-2.38	125.53	128.83
31	TF	202	PEB	C4B-NB-C1B	-2.38	102.03	106.51
31	UB	201	PEB	OA-C1A-C2A	-2.38	124.28	126.17
31	B9	203	PEB	OA-C1A-C2A	-2.38	124.28	126.17
31	i2	202	PEB	C4B-C3B-C2B	-2.38	104.15	106.78
31	IF	203	PEB	CMB-C2B-C1B	2.38	128.73	125.06
31	R8	201	PEB	OD-C4D-C3D	-2.38	124.07	129.46
31	V5	201	PEB	OD-C4D-ND	-2.38	122.41	125.93
31	WF	202	PEB	C1B-C2B-C3B	-2.38	103.78	106.51
31	K8	201	PEB	OD-C4D-C3D	-2.38	124.07	129.46
31	XA	202	PEB	CAB-C3B-C4B	2.38	129.21	125.01
31	O1	202	PEB	CBA-CAA-C3A	-2.38	108.17	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	v8	202	PEB	CHB-C4B-NB	-2.38	125.53	128.83
31	NH	201	PEB	OD-C4D-C3D	-2.38	124.08	129.46
31	cD	201	PEB	CAB-C3B-C4B	2.38	129.21	125.01
31	ZI	304	PEB	C1B-C2B-C3B	-2.38	103.78	106.51
31	YF	202	PEB	CMB-C2B-C1B	2.38	128.72	125.06
31	aB	203	PEB	C1C-CHB-C4B	2.38	131.65	128.81
33	C2	1001	CYC	CHA-C1A-NA	-2.38	125.53	128.83
33	B3	1001	CYC	C2A-C1A-NA	2.38	113.51	110.05
31	HK	202	PEB	C4B-C3B-C2B	-2.38	104.15	106.78
31	eE	202	PEB	CHA-C1B-NB	-2.38	119.96	124.93
31	m6	203	PEB	C1B-C2B-C3B	-2.38	103.78	106.51
33	o3	1001	CYC	C2A-C1A-NA	2.38	113.50	110.05
31	L5	202	PEB	OA-C1A-C2A	-2.38	124.28	126.17
31	B7	202	PEB	C1C-CHB-C4B	-2.38	125.97	128.81
31	NF	201	PEB	CAB-C3B-C4B	2.38	129.21	125.01
31	W7	202	PEB	OD-C4D-C3D	-2.38	124.08	129.46
33	E3	1001	CYC	CAB-C3B-C2B	2.38	131.59	127.53
33	v3	1001	CYC	CAB-C3B-C2B	2.38	131.59	127.53
31	N8	201	PEB	CMB-C2B-C1B	2.38	128.72	125.06
31	TE	201	PEB	CHB-C4B-C3B	-2.38	119.83	125.32
31	eA	201	PEB	CBC-CAC-C2C	-2.38	108.57	112.62
32	x8	301	PUB	CAC-C2C-C1C	2.37	129.21	125.01
31	RE	201	PEB	CBB-CAB-C3B	2.37	119.22	112.63
31	ZH	201	PEB	OD-C4D-C3D	-2.37	124.08	129.46
31	JC	1002	PEB	C1B-C2B-C3B	-2.37	103.78	106.51
31	kD	202	PEB	C1B-C2B-C3B	-2.37	103.78	106.51
31	R6	203	PEB	CMB-C2B-C1B	2.37	128.72	125.06
31	ID	201	PEB	CMB-C2B-C1B	2.37	128.72	125.06
31	O1	201	PEB	CMD-C2D-C3D	2.37	133.41	130.06
32	AC	304	PUB	CHB-C1C-C2C	2.37	130.81	125.32
33	HB	1001	CYC	O1A-CGA-CBA	-2.37	115.45	123.08
31	f8	201	PEB	CHA-C1B-C2B	2.37	131.00	124.90
31	UD	202	PEB	CAA-C3A-C2A	-2.37	108.33	114.26
31	AK	201	PEB	C2A-C1A-NA	2.37	110.32	108.27
31	TK	202	PEB	CBC-CAC-C2C	2.37	116.67	112.62
31	iH	201	PEB	C1B-C2B-C3B	-2.37	103.78	106.51
31	VG	201	PEB	CHC-C4C-C3C	-2.37	126.29	130.34
31	DA	201	PEB	C3B-C4B-NB	2.37	113.50	110.05
31	S4	203	PEB	OD-C4D-C3D	-2.37	124.08	129.46
31	MI	302	PEB	C2B-C1B-NB	2.37	115.59	110.53
31	Y1	303	PEB	CHA-C4A-NA	2.37	128.03	125.20
31	iD	201	PEB	CHC-C1D-ND	-2.37	111.19	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	U4	201	PEB	OD-C4D-C3D	-2.37	124.08	129.46
31	dD	202	PEB	OD-C4D-C3D	-2.37	124.08	129.46
31	e1	301	PEB	CBA-CAA-C3A	-2.37	108.19	113.47
31	UA	301	PEB	C3B-C4B-NB	2.37	113.50	110.05
33	E2	1001	CYC	CHA-C1A-C2A	-2.37	119.84	125.32
33	y3	1001	CYC	CHB-C1B-C2B	-2.37	122.25	126.95
31	QC	201	PEB	CMB-C2B-C1B	2.37	128.72	125.06
31	TD	201	PEB	OD-C4D-C3D	-2.37	124.09	129.46
31	V5	201	PEB	OA-C1A-C2A	-2.37	124.29	126.17
31	LK	202	PEB	C2B-C1B-NB	2.37	115.59	110.53
33	i3	1001	CYC	C1B-C2B-C3B	-2.37	105.40	107.87
31	D4	201	PEB	CHA-C1B-NB	-2.37	119.97	124.93
31	e2	202	PEB	C3B-C4B-NB	2.37	113.50	110.05
33	c3	1001	CYC	CAB-C3B-C2B	2.37	131.59	127.53
33	m3	1001	CYC	CAB-C3B-C2B	2.37	131.59	127.53
31	X1	201	PEB	CHA-C1B-C2B	2.37	131.00	124.90
31	GG	201	PEB	C2B-C1B-NB	2.37	115.59	110.53
31	Y7	504	PEB	CHA-C1B-NB	-2.37	119.97	124.93
31	Y6	201	PEB	OD-C4D-C3D	-2.37	124.09	129.46
31	M8	201	PEB	OD-C4D-C3D	-2.37	124.09	129.46
31	j8	202	PEB	OD-C4D-C3D	-2.37	124.09	129.46
31	ZC	202	PEB	CAB-C3B-C4B	2.37	129.20	125.01
31	NE	201	PEB	CAB-C3B-C4B	2.37	129.20	125.01
31	e4	202	PEB	CHA-C4A-NA	2.37	128.02	125.20
31	iE	201	PEB	CHC-C1D-ND	-2.37	111.19	113.95
31	TF	202	PEB	C2B-C1B-NB	2.37	115.59	110.53
31	iE	202	PEB	CMB-C2B-C1B	2.37	128.72	125.06
31	g4	202	PEB	OD-C4D-C3D	-2.37	124.09	129.46
31	H7	201	PEB	CAC-CBC-CGC	-2.37	107.11	113.76
31	JK	202	PEB	C2B-C1B-NB	2.37	115.59	110.53
31	aF	202	PEB	OD-C4D-C3D	-2.37	124.09	129.46
31	k4	202	PEB	CHA-C1B-NB	-2.37	119.97	124.93
31	X7	202	PEB	CAC-CBC-CGC	-2.37	107.11	113.76
33	y3	1001	CYC	CAB-C3B-C2B	2.37	131.58	127.53
31	LA	201	PEB	CMA-C2A-C1A	-2.37	107.29	112.40
31	WB	201	PEB	C4B-C3B-C2B	-2.37	104.16	106.78
31	L1	202	PEB	C2B-C1B-NB	2.37	115.59	110.53
31	S8	203	PEB	C1B-C2B-C3B	-2.37	103.79	106.51
31	WH	201	PEB	CBB-CAB-C3B	-2.37	106.04	112.63
33	H6	1001	CYC	O1A-CGA-CBA	-2.37	115.47	123.08
31	S5	201	PEB	CHC-C4C-C3C	-2.37	126.30	130.34
33	t3	1001	CYC	CAB-C3B-C2B	2.37	131.58	127.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gC	203	PEB	CMB-C2B-C1B	2.37	128.71	125.06
31	Q8	203	PEB	CHB-C4B-C3B	2.37	130.79	125.32
31	QI	202	PEB	CMB-C2B-C1B	2.37	128.71	125.06
31	E5	202	PEB	C1B-C2B-C3B	-2.37	103.79	106.51
31	iF	203	PEB	CAB-C3B-C4B	2.37	129.20	125.01
31	GH	203	PEB	OD-C4D-C3D	-2.37	124.09	129.46
31	LK	203	PEB	CAB-CBB-CGB	-2.37	108.51	113.60
33	G3	1001	CYC	CAB-C3B-C2B	2.37	131.58	127.53
31	SH	202	PEB	CHA-C1B-NB	-2.37	119.98	124.93
31	KH	201	PEB	CMA-C2A-C1A	-2.37	107.30	112.40
31	PJ	202	PEB	CMA-C2A-C1A	-2.37	107.30	112.40
31	Y7	502	PEB	CMA-C2A-C1A	-2.37	107.30	112.40
31	sF	202	PEB	C3B-C4B-NB	2.37	113.49	110.05
31	C4	202	PEB	CMB-C2B-C1B	2.37	128.71	125.06
31	dH	201	PEB	CMB-C2B-C1B	2.37	128.71	125.06
31	D4	202	PEB	CHA-C1B-C2B	2.37	130.99	124.90
31	W5	202	PEB	C1C-CHB-C4B	2.37	131.64	128.81
31	QA	202	PEB	CAB-CBB-CGB	-2.37	108.51	113.60
31	TH	201	PEB	CBC-CAC-C2C	-2.37	108.58	112.62
31	g2	201	PEB	CAA-C3A-C2A	-2.37	108.34	114.26
31	EH	201	PEB	CAB-C3B-C4B	2.37	129.20	125.01
31	L8	201	PEB	O2B-CGB-CBB	2.37	121.64	114.03
31	E1	202	PEB	CMC-C3C-C2C	2.37	129.41	124.94
31	mB	201	PEB	OD-C4D-C3D	-2.37	124.10	129.46
31	D8	201	PEB	C1B-C2B-C3B	-2.37	103.79	106.51
31	Y6	203	PEB	CMB-C2B-C1B	2.37	128.71	125.06
31	F4	201	PEB	CMA-C2A-C1A	-2.37	107.30	112.40
33	I3	1001	CYC	C2A-C1A-NA	2.37	113.49	110.05
31	XJ	203	PEB	OD-C4D-ND	-2.37	122.42	125.93
31	S5	201	PEB	OD-C4D-C3D	-2.37	124.10	129.46
33	W3	1001	CYC	CAB-C3B-C2B	2.37	131.58	127.53
31	xF	303	PEB	C1C-CHB-C4B	-2.37	125.98	128.81
31	LG	201	PEB	OD-C4D-C3D	-2.37	124.10	129.46
31	h2	202	PEB	OD-C4D-C3D	-2.37	124.10	129.46
31	c8	203	PEB	OD-C4D-C3D	-2.37	124.10	129.46
31	YB	203	PEB	CMB-C2B-C1B	2.37	128.71	125.06
31	H4	202	PEB	C1B-C2B-C3B	-2.37	103.79	106.51
31	T7	202	PEB	C1B-C2B-C3B	-2.37	103.79	106.51
31	KA	304	PEB	CAB-C3B-C4B	2.37	129.19	125.01
31	i2	202	PEB	CAB-C3B-C4B	2.37	129.19	125.01
31	SA	202	PEB	OD-C4D-C3D	-2.37	124.10	129.46
31	S7	202	PEB	OD-C4D-C3D	-2.37	124.10	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	eB	201	PEB	CHA-C4A-NA	2.37	128.02	125.20
31	XK	201	PEB	CHA-C1B-C2B	2.37	130.98	124.90
31	QK	202	PEB	CHC-C1D-ND	-2.37	111.20	113.95
31	O5	202	PEB	CMB-C2B-C1B	2.37	128.71	125.06
33	W3	1001	CYC	CHB-C1B-C2B	-2.37	122.26	126.95
31	YB	201	PEB	OD-C4D-C3D	-2.37	124.10	129.46
31	U9	201	PEB	OD-C4D-ND	-2.37	122.43	125.93
31	p8	201	PEB	CAA-C3A-C2A	-2.37	108.35	114.26
31	KF	202	PEB	C4B-C3B-C2B	-2.37	104.17	106.78
31	UI	201	PEB	O1B-CGB-CBB	-2.37	115.48	123.08
31	OI	202	PEB	C2A-C1A-NA	2.37	110.31	108.27
31	W8	201	PEB	CBA-CAA-C3A	2.37	118.73	113.47
31	RG	201	PEB	CHC-C4C-C3C	-2.36	126.30	130.34
31	Z8	201	PEB	CMB-C2B-C1B	2.36	128.71	125.06
33	r3	1001	CYC	CAB-C3B-C2B	2.36	131.57	127.53
31	OK	202	PEB	CBA-CAA-C3A	-2.36	108.20	113.47
31	VF	201	PEB	C3B-C4B-NB	2.36	113.49	110.05
31	W5	201	PEB	CHC-C1D-ND	-2.36	111.20	113.95
31	TK	203	PEB	CAC-CBC-CGC	-2.36	107.13	113.76
31	a8	201	PEB	C2B-C1B-NB	2.36	115.57	110.53
31	h6	202	PEB	OD-C4D-C3D	-2.36	124.11	129.46
31	QA	201	PEB	C1B-C2B-C3B	-2.36	103.79	106.51
31	B4	301	PEB	CHC-C4C-C3C	-2.36	126.31	130.34
31	b2	203	PEB	CHC-C1D-ND	-2.36	111.20	113.95
31	XH	202	PEB	CAC-CBC-CGC	-2.36	107.14	113.76
33	Q3	1001	CYC	C2A-C1A-NA	2.36	113.49	110.05
31	jH	203	PEB	CAA-C3A-C4A	-2.36	106.61	112.67
31	WE	201	PEB	C4B-C3B-C2B	-2.36	104.17	106.78
31	YB	201	PEB	CHC-C4C-C3C	-2.36	126.31	130.34
33	l3	1001	CYC	CAB-C3B-C2B	2.36	131.57	127.53
31	CJ	202	PEB	C4B-NB-C1B	-2.36	102.06	106.51
31	cC	201	PEB	C1C-CHB-C4B	2.36	131.63	128.81
31	mD	202	PEB	CHC-C1D-ND	-2.36	111.20	113.95
31	X8	202	PEB	OD-C4D-ND	-2.36	122.43	125.93
31	a8	202	PEB	OD-C4D-C3D	-2.36	124.11	129.46
31	SK	201	PEB	O2C-CGC-CBC	2.36	121.62	114.03
31	WH	201	PEB	CMA-C2A-C1A	-2.36	107.31	112.40
31	NF	201	PEB	CMB-C2B-C1B	2.36	128.70	125.06
31	D9	203	PEB	CBC-CAC-C2C	-2.36	108.59	112.62
31	M4	203	PEB	C1C-CHB-C4B	-2.36	125.99	128.81
31	hH	202	PEB	CHA-C1B-NB	-2.36	119.99	124.93
33	r3	1001	CYC	C1B-C2B-C3B	-2.36	105.41	107.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KF	203	PEB	CAA-C3A-C4A	-2.36	106.61	112.67
31	C5	201	PEB	C1B-C2B-C3B	-2.36	103.80	106.51
31	LB	1002	PEB	CMC-C3C-C2C	2.36	129.39	124.94
31	eF	202	PEB	C1C-CHB-C4B	-2.36	125.99	128.81
31	m4	201	PEB	C2A-C1A-NA	2.36	110.31	108.27
31	aF	202	PEB	CHC-C1D-ND	-2.36	111.21	113.95
31	EJ	201	PEB	CHC-C4C-C3C	-2.36	126.31	130.34
31	WG	201	PEB	OD-C4D-C3D	-2.36	124.11	129.46
31	U2	202	PEB	C1C-CHB-C4B	2.36	131.63	128.81
31	fC	201	PEB	CMB-C2B-C1B	2.36	128.70	125.06
31	V6	202	PEB	CBC-CAC-C2C	-2.36	108.59	112.62
31	LJ	203	PEB	OD-C4D-C3D	-2.36	124.11	129.46
32	B4	302	PUB	CAC-C2C-C1C	2.36	129.18	125.01
31	jF	201	PEB	CAB-CBB-CGB	-2.36	108.53	113.60
31	dD	204	PEB	CBC-CAC-C2C	-2.36	108.59	112.62
31	iD	202	PEB	CMB-C2B-C1B	2.36	128.70	125.06
33	p3	1001	CYC	CAB-C3B-C2B	2.36	131.56	127.53
31	XF	202	PEB	OD-C4D-ND	-2.36	122.44	125.93
31	YK	302	PEB	OD-C4D-ND	-2.36	122.44	125.93
31	S1	201	PEB	O2C-CGC-CBC	2.36	121.61	114.03
31	OC	202	PEB	CMB-C2B-C1B	2.36	128.70	125.06
31	m8	202	PEB	CMB-C2B-C1B	2.36	128.70	125.06
31	J8	201	PEB	CAA-C3A-C4A	-2.36	106.62	112.67
31	M4	201	PEB	CHA-C1B-NB	-2.36	120.00	124.93
31	N4	201	PEB	CAB-CBB-CGB	-2.36	108.53	113.60
33	D2	1003	CYC	CAC-C3C-C2C	-2.36	108.37	114.26
31	FK	201	PEB	C1B-C2B-C3B	-2.36	103.80	106.51
31	aA	202	PEB	C1C-CHB-C4B	2.36	131.62	128.81
33	e3	1001	CYC	CAB-C3B-C2B	2.36	131.56	127.53
31	eD	202	PEB	CHC-C1D-ND	-2.36	111.21	113.95
33	DC	1003	CYC	CAC-C3C-C2C	-2.36	108.37	114.26
31	GH	202	PEB	CHA-C1B-NB	-2.36	120.00	124.93
31	QI	202	PEB	CHA-C1B-NB	-2.36	120.00	124.93
31	LJ	202	PEB	OD-C4D-C3D	-2.36	124.12	129.46
31	EK	202	PEB	CMC-C3C-C2C	2.36	129.38	124.94
32	A6	303	PUB	CHC-C1D-ND	-2.36	110.74	113.72
31	W6	201	PEB	C4B-C3B-C2B	-2.36	104.17	106.78
31	G9	202	PEB	CHB-C4B-NB	-2.36	125.56	128.83
33	T3	1001	CYC	CAB-C3B-C2B	2.36	131.56	127.53
33	g3	1001	CYC	CAB-C3B-C2B	2.36	131.56	127.53
32	AE	302	PUB	C2C-C1C-NC	2.36	113.48	110.05
31	G1	202	PEB	CAB-C3B-C4B	2.36	129.18	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	L2	1001	CYC	C2B-C1B-NB	2.36	110.44	106.99
31	pF	201	PEB	CAA-C3A-C2A	-2.36	108.37	114.26
31	cA	401	PEB	CHC-C1D-ND	-2.36	111.21	113.95
31	K8	203	PEB	CAA-C3A-C4A	-2.36	106.62	112.67
31	gH	202	PEB	OD-C4D-C3D	-2.36	124.12	129.46
31	D9	201	PEB	C4B-NB-C1B	-2.36	102.07	106.51
31	K7	201	PEB	CAC-CBC-CGC	-2.35	107.16	113.76
31	ZC	203	PEB	C2A-C1A-NA	2.35	110.30	108.27
31	JG	202	PEB	CAB-C3B-C4B	2.35	129.17	125.01
31	N8	201	PEB	CAB-C3B-C4B	2.35	129.17	125.01
31	UA	302	PEB	CHA-C1B-NB	-2.35	120.01	124.93
31	YF	202	PEB	CHA-C1B-NB	-2.35	120.01	124.93
31	q8	203	PEB	C3B-C4B-NB	2.35	113.47	110.05
31	dD	203	PEB	OD-C4D-C3D	-2.35	124.13	129.46
33	NB	1001	CYC	C1B-NB-C4B	-2.35	107.67	110.67
31	QF	203	PEB	CHB-C4B-C3B	2.35	130.76	125.32
31	a6	203	PEB	C1C-CHB-C4B	2.35	131.62	128.81
31	K4	202	PEB	CMC-C3C-C2C	2.35	129.38	124.94
33	C2	1001	CYC	CHB-C1B-NB	-2.35	121.00	126.06
31	EA	501	PEB	CHA-C1B-NB	-2.35	120.01	124.93
31	d6	201	PEB	C2B-C1B-NB	2.35	115.55	110.53
31	G1	202	PEB	OD-C4D-ND	-2.35	122.44	125.93
31	k2	202	PEB	C3B-C4B-NB	2.35	113.47	110.05
31	L4	202	PEB	OD-C4D-C3D	-2.35	124.13	129.46
31	R2	202	PEB	C4B-C3B-C2B	-2.35	104.18	106.78
31	R8	202	PEB	CHC-C1D-ND	-2.35	111.22	113.95
31	J9	201	PEB	CHB-C4B-NB	-2.35	125.56	128.83
31	GK	202	PEB	OD-C4D-ND	-2.35	122.44	125.93
31	i2	201	PEB	C2B-C1B-NB	2.35	115.55	110.53
31	HE	1002	PEB	O2B-CGB-CBB	2.35	121.59	114.03
31	X1	201	PEB	CAA-C3A-C2A	-2.35	108.38	114.26
31	h2	201	PEB	C3B-C4B-NB	2.35	113.47	110.05
33	KC	201	CYC	CHB-C4A-NA	-2.35	120.01	124.93
31	kD	201	PEB	CAC-CBC-CGC	-2.35	107.17	113.76
31	WF	202	PEB	CAB-C3B-C4B	2.35	129.17	125.01
31	OJ	202	PEB	C2A-C1A-NA	2.35	110.30	108.27
31	qF	203	PEB	C3B-C4B-NB	2.35	113.47	110.05
31	H4	202	PEB	OD-C4D-C3D	-2.35	124.13	129.46
33	A3	1001	CYC	CAB-C3B-C2B	2.35	131.55	127.53
31	WK	201	PEB	CAB-CBB-CGB	-2.35	108.54	113.60
31	CK	201	PEB	CAB-C3B-C4B	2.35	129.17	125.01
31	R2	202	PEB	CAB-C3B-C4B	2.35	129.17	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	QH	202	PUB	CAC-C2C-C1C	2.35	129.17	125.01
31	O5	201	PEB	CHB-C4B-C3B	-2.35	119.89	125.32
31	aH	202	PEB	C1B-C2B-C3B	-2.35	103.81	106.51
31	MH	201	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	e2	201	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	A6	301	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	oF	203	PEB	CBA-CAA-C3A	-2.35	108.23	113.47
33	JC	1003	CYC	C1B-CHB-C4A	-2.35	122.34	128.08
31	B9	201	PEB	C2B-C1B-NB	2.35	115.55	110.53
32	YK	304	PUB	CHC-C1D-ND	-2.35	110.75	113.72
31	O5	202	PEB	C2A-C1A-NA	2.35	110.30	108.27
32	A2	304	PUB	CHB-C1C-C2C	2.35	130.75	125.32
31	AF	202	PEB	CHC-C4C-C3C	-2.35	126.33	130.34
31	UJ	202	PEB	C1B-C2B-C3B	-2.35	103.81	106.51
31	RF	201	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	P2	202	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	D7	202	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	FI	203	PEB	CAA-C3A-C4A	-2.35	106.64	112.67
31	UE	202	PEB	CAA-C3A-C2A	-2.35	108.39	114.26
31	HD	1002	PEB	O2B-CGB-CBB	2.35	121.58	114.03
31	L9	201	PEB	OD-C4D-ND	-2.35	122.45	125.93
31	D8	202	PEB	C4B-NB-C1B	-2.35	102.08	106.51
31	RD	201	PEB	CBB-CAB-C3B	2.35	119.15	112.63
31	jH	202	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	fF	202	PEB	CHC-C4C-C3C	2.35	134.34	130.34
31	HF	202	PEB	CHA-C4A-NA	-2.35	122.41	125.20
31	HE	1002	PEB	C2A-C1A-NA	2.35	110.30	108.27
31	KH	203	PEB	C2B-C1B-NB	2.35	115.54	110.53
31	JB	1002	PEB	CBA-CAA-C3A	-2.35	108.24	113.47
31	F5	202	PEB	CHC-C1D-ND	-2.35	111.22	113.95
32	A6	302	PUB	CMD-C2D-C3D	2.35	131.29	127.77
33	HE	1001	CYC	CMC-C2C-C1C	-2.35	107.34	112.40
31	A8	201	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	JI	202	PEB	CMB-C2B-C1B	2.35	128.68	125.06
33	CC	1001	CYC	CHB-C4A-C3A	2.35	130.94	124.90
31	LI	201	PEB	O2B-CGB-CBB	2.35	121.57	114.03
31	W7	202	PEB	CHB-C4B-NB	-2.35	125.57	128.83
31	i8	201	PEB	CMB-C2B-C1B	2.35	128.68	125.06
31	d8	201	PEB	OD-C4D-C3D	-2.35	124.14	129.46
33	63	901	CYC	C4D-CHA-C1A	2.35	131.61	128.81
31	L1	203	PEB	CAB-CBB-CGB	-2.35	108.55	113.60
31	J2	1002	PEB	C1B-C2B-C3B	-2.35	103.81	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	QI	201	PEB	O1B-CGB-CBB	-2.35	115.54	123.08
33	LC	1003	CYC	CBD-CAD-C3D	-2.35	108.61	112.62
31	u8	202	PEB	CMB-C2B-C1B	2.35	128.68	125.06
31	W1	201	PEB	CAB-CBB-CGB	-2.35	108.55	113.60
31	MF	202	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	g2	202	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	hC	201	PEB	OD-C4D-C3D	-2.35	124.14	129.46
31	JH	201	PEB	CAB-C3B-C4B	2.35	129.16	125.01
31	UE	202	PEB	CMB-C2B-C1B	2.35	128.68	125.06
31	HF	202	PEB	CHC-C1D-ND	-2.35	111.22	113.95
33	N3	1001	CYC	CAB-C3B-C2B	2.35	131.54	127.53
31	O9	203	PEB	CHC-C4C-C3C	-2.35	126.34	130.34
31	A1	201	PEB	C2A-C1A-NA	2.35	110.30	108.27
31	jH	203	PEB	CAB-CBB-CGB	-2.35	108.56	113.60
31	dB	201	PEB	C2B-C1B-NB	2.35	115.53	110.53
33	C3	1001	CYC	CAB-C3B-C2B	2.35	131.54	127.53
31	UA	302	PEB	CAA-C3A-C2A	-2.35	108.40	114.26
31	O8	201	PEB	CAC-CBC-CGC	-2.34	107.19	113.76
31	Z8	201	PEB	CHA-C4A-NA	2.34	127.99	125.20
31	N8	202	PEB	C1C-CHB-C4B	2.34	131.61	128.81
31	F5	202	PEB	OD-C4D-C3D	-2.34	124.15	129.46
31	AH	301	PEB	CMB-C2B-C1B	2.34	128.67	125.06
33	HD	1001	CYC	CMC-C2C-C1C	-2.34	107.35	112.40
31	Y6	201	PEB	CHA-C4A-NA	2.34	127.99	125.20
31	YH	203	PEB	CAB-CBB-CGB	-2.34	108.56	113.60
31	T1	203	PEB	CAC-CBC-CGC	-2.34	107.19	113.76
31	R6	202	PEB	OD-C4D-C3D	-2.34	124.15	129.46
31	u8	202	PEB	OD-C4D-C3D	-2.34	124.15	129.46
31	S6	202	PEB	CHA-C1B-NB	-2.34	120.03	124.93
33	K2	201	CYC	CHB-C4A-NA	-2.34	120.03	124.93
31	f8	201	PEB	C3B-C4B-NB	2.34	113.46	110.05
31	cH	202	PEB	O2B-CGB-CBB	2.34	121.56	114.03
31	UI	203	PEB	CBC-CAC-C2C	-2.34	108.62	112.62
33	ID	1001	CYC	CHA-C1A-C2A	-2.34	119.91	125.32
31	mH	201	PEB	C2A-C1A-NA	2.34	110.29	108.27
31	U6	201	PEB	OA-C1A-C2A	-2.34	124.31	126.17
31	J9	201	PEB	CHA-C1B-NB	-2.34	120.03	124.93
31	iF	201	PEB	CMB-C2B-C1B	2.34	128.67	125.06
32	xF	306	PUB	C2C-C1C-NC	2.34	113.46	110.05
31	hA	301	PEB	CBB-CAB-C3B	2.34	119.14	112.63
31	cF	203	PEB	OD-C4D-C3D	-2.34	124.15	129.46
31	BG	201	PEB	C4B-NB-C1B	-2.34	102.10	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VB	202	PEB	CBC-CAC-C2C	-2.34	108.62	112.62
33	J3	1001	CYC	CAB-C3B-C2B	2.34	131.53	127.53
31	Y6	201	PEB	CHC-C4C-C3C	-2.34	126.34	130.34
31	HA	203	PEB	OD-C4D-C3D	-2.34	124.15	129.46
31	L5	202	PEB	OD-C4D-C3D	-2.34	124.15	129.46
31	JF	201	PEB	CAA-C3A-C4A	-2.34	106.66	112.67
31	X5	202	PEB	C2A-C1A-NA	2.34	110.29	108.27
31	oF	203	PEB	CMA-C2A-C1A	-2.34	107.36	112.40
33	W3	1001	CYC	OC-C1C-NC	-2.34	122.11	124.94
31	V7	201	PEB	CAB-C3B-C4B	2.34	129.15	125.01
31	m8	201	PEB	CAB-C3B-C4B	2.34	129.15	125.01
33	K3	1001	CYC	CAB-C3B-C2B	2.34	131.53	127.53
31	jC	202	PEB	CHB-C4B-C3B	2.34	130.73	125.32
31	WF	201	PEB	CBA-CAA-C3A	2.34	118.68	113.47
31	l8	203	PEB	CBA-CAA-C3A	-2.34	108.25	113.47
31	UA	303	PEB	CHA-C1B-NB	-2.34	120.04	124.93
31	d4	201	PEB	CHA-C1B-NB	-2.34	120.04	124.93
31	e1	301	PEB	C4B-C3B-C2B	-2.34	104.19	106.78
31	c2	201	PEB	C2B-C1B-NB	2.34	115.53	110.53
31	DF	202	PEB	C4B-NB-C1B	-2.34	102.10	106.51
31	e4	201	PEB	CHC-C1D-ND	-2.34	111.23	113.95
31	ZE	201	PEB	CHA-C4A-NA	2.34	127.99	125.20
31	T8	201	PEB	CAB-CBB-CGB	-2.34	108.57	113.60
31	j8	201	PEB	CAB-CBB-CGB	-2.34	108.57	113.60
31	O5	201	PEB	CAA-C3A-C2A	-2.34	108.41	114.26
31	HC	1002	PEB	CHC-C4C-C3C	-2.34	126.34	130.34
31	h2	201	PEB	CMB-C2B-C1B	2.34	128.67	125.06
31	m2	201	PEB	CHA-C1B-NB	-2.34	120.04	124.93
31	W9	203	PEB	CHA-C1B-NB	-2.34	120.04	124.93
31	KA	301	PEB	C1B-C2B-C3B	-2.34	103.82	106.51
33	DC	1001	CYC	C1A-C2A-C3A	-2.34	104.19	106.78
31	OJ	201	PEB	CHB-C4B-C3B	-2.34	119.92	125.32
31	T6	201	PEB	CHB-C4B-NB	-2.34	125.58	128.83
31	hB	201	PEB	C2A-C1A-NA	2.34	110.29	108.27
31	P8	201	PEB	CMB-C2B-C1B	2.34	128.67	125.06
31	B9	202	PEB	C3B-C4B-NB	2.34	113.45	110.05
31	W5	202	PEB	CMD-C2D-C3D	2.34	133.36	130.06
31	RJ	203	PEB	CMB-C2B-C1B	2.34	128.67	125.06
31	L5	203	PEB	OD-C4D-C3D	-2.34	124.16	129.46
31	DI	201	PEB	CHC-C4C-C3C	-2.34	126.35	130.34
31	FK	203	PEB	C2A-C1A-NA	2.34	110.29	108.27
31	m6	201	PEB	OD-C4D-C3D	-2.34	124.16	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	g4	201	PEB	C1B-C2B-C3B	-2.34	103.82	106.51
32	xF	301	PUB	CAC-C2C-C1C	2.34	129.15	125.01
31	W4	203	PEB	CHB-C4B-NB	-2.34	125.58	128.83
31	W2	201	PEB	CAC-C2C-C3C	2.34	133.97	127.25
31	O4	201	PEB	CHA-C4A-NA	2.34	127.98	125.20
31	X5	203	PEB	CMB-C2B-C1B	2.34	128.66	125.06
31	F5	201	PEB	OD-C4D-C3D	-2.34	124.16	129.46
33	y3	1001	CYC	OC-C1C-NC	-2.34	122.11	124.94
31	e4	202	PEB	CHA-C1B-C2B	2.34	130.91	124.90
31	OE	201	PEB	C4B-C3B-C2B	-2.34	104.20	106.78
31	dD	203	PEB	C4B-C3B-C2B	-2.34	104.20	106.78
31	VA	201	PEB	OD-C4D-C3D	-2.34	124.17	129.46
31	gC	202	PEB	OD-C4D-C3D	-2.34	124.17	129.46
31	HD	1002	PEB	OD-C4D-ND	-2.34	122.47	125.93
31	l2	203	PEB	CHB-C4B-C3B	2.34	130.72	125.32
31	XG	202	PEB	C2B-C1B-NB	2.34	115.52	110.53
31	UH	203	PEB	C3B-C4B-NB	2.34	113.45	110.05
31	A1	201	PEB	CBB-CAB-C3B	2.34	119.12	112.63
31	YH	203	PEB	CMB-C2B-C1B	2.34	128.66	125.06
31	mE	202	PEB	CHC-C1D-ND	-2.34	111.23	113.95
31	U7	203	PEB	CAC-CBC-CGC	-2.34	107.21	113.76
31	MF	203	PEB	CHA-C1B-C2B	2.34	130.91	124.90
31	l2	203	PEB	C2A-C1A-NA	2.34	110.29	108.27
31	Y8	201	PEB	CAB-CBB-CGB	-2.34	108.58	113.60
31	F9	201	PEB	CHB-C4B-C3B	-2.34	119.92	125.32
31	V4	202	PEB	CAA-C3A-C2A	-2.34	108.42	114.26
31	lF	203	PEB	CBA-CAA-C3A	-2.34	108.27	113.47
31	eC	203	PEB	CHC-C1D-ND	-2.34	111.23	113.95
31	RE	202	PEB	CAB-CBB-CGB	-2.34	108.58	113.60
31	ZE	203	PEB	OD-C4D-C3D	-2.34	124.17	129.46
31	R9	202	PEB	CHB-C4B-NB	-2.34	125.59	128.83
31	ZI	301	PEB	C2B-C1B-NB	2.34	115.51	110.53
31	F9	202	PEB	CBA-CAA-C3A	-2.34	108.27	113.47
31	G4	201	PEB	C2A-C1A-NA	2.34	110.29	108.27
31	TF	201	PEB	CAB-CBB-CGB	-2.34	108.58	113.60
31	S7	202	PEB	CAA-C3A-C4A	-2.34	106.68	112.67
31	AC	305	PEB	OD-C4D-C3D	-2.34	124.17	129.46
31	E1	201	PEB	OD-C4D-C3D	-2.34	124.17	129.46
31	A9	202	PEB	CHB-C4B-NB	-2.33	125.59	128.83
31	UI	203	PEB	CHC-C1D-ND	-2.33	111.24	113.95
31	b7	502	PEB	CHC-C1D-ND	-2.33	111.24	113.95
31	WE	203	PEB	CAB-CBB-CGB	-2.33	108.58	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SB	201	PEB	CHA-C1B-NB	-2.33	120.05	124.93
31	h4	201	PEB	OD-C4D-ND	-2.33	122.47	125.93
31	iC	202	PEB	CAB-C3B-C4B	2.33	129.14	125.01
31	WD	203	PEB	CAB-CBB-CGB	-2.33	108.58	113.60
31	F9	202	PEB	OD-C4D-C3D	-2.33	124.17	129.46
31	L8	202	PEB	C1B-C2B-C3B	-2.33	103.83	106.51
31	UC	201	PEB	CHA-C1B-C2B	2.33	130.90	124.90
31	JH	202	PEB	C2A-C1A-NA	2.33	110.28	108.27
31	OF	201	PEB	CAC-CBC-CGC	-2.33	107.22	113.76
31	C5	202	PEB	C4B-NB-C1B	-2.33	102.11	106.51
31	ZC	201	PEB	CAA-C3A-C2A	-2.33	108.43	114.26
31	X7	201	PEB	CAB-C3B-C4B	2.33	129.14	125.01
31	O8	203	PEB	CAA-C3A-C4A	-2.33	106.68	112.67
31	P1	202	PEB	OD-C4D-C3D	-2.33	124.17	129.46
31	t8	201	PEB	OD-C4D-C3D	-2.33	124.17	129.46
31	A4	302	PEB	CHA-C1B-NB	-2.33	120.05	124.93
31	gH	202	PEB	C1B-C2B-C3B	-2.33	103.83	106.51
31	QI	201	PEB	C1C-CHB-C4B	2.33	131.59	128.81
32	KK	203	PUB	C1D-CHC-C4C	-2.33	108.29	113.37
31	VB	201	PEB	CHC-C4C-C3C	-2.33	126.36	130.34
31	M5	201	PEB	CHC-C4C-C3C	-2.33	126.36	130.34
31	U9	203	PEB	OD-C4D-C3D	-2.33	124.18	129.46
31	YD	201	PEB	C4B-NB-C1B	-2.33	102.12	106.51
31	T1	202	PEB	C4B-NB-C1B	-2.33	102.12	106.51
31	N5	202	PEB	C1B-C2B-C3B	-2.33	103.83	106.51
31	d6	201	PEB	CHC-C1D-ND	-2.33	111.24	113.95
31	HI	201	PEB	CHB-C4B-C3B	-2.33	119.94	125.32
33	NB	1001	CYC	CHA-C1A-C2A	-2.33	119.94	125.32
33	NC	1001	CYC	CHA-C1A-C2A	-2.33	119.94	125.32
31	P9	202	PEB	CHB-C4B-NB	-2.33	125.59	128.83
31	F9	201	PEB	C2B-C1B-NB	2.33	115.50	110.53
31	NA	203	PEB	OD-C4D-ND	-2.33	122.48	125.93
31	HG	201	PEB	CAA-C3A-C2A	-2.33	108.44	114.26
31	f2	201	PEB	CAB-C3B-C4B	2.33	129.13	125.01
33	LC	1001	CYC	CMA-C3A-C2A	-2.33	119.79	126.12
31	UD	202	PEB	CMB-C2B-C1B	2.33	128.65	125.06
31	J9	203	PEB	C1B-C2B-C3B	-2.33	103.83	106.51
31	Q5	201	PEB	CBB-CAB-C3B	2.33	119.10	112.63
31	NH	202	PEB	O1B-CGB-CBB	-2.33	115.59	123.08
31	f8	202	PEB	CHC-C4C-C3C	2.33	134.31	130.34
31	E8	201	PEB	CMB-C2B-C3B	-2.33	119.79	126.12
31	Z8	201	PEB	OD-C4D-C3D	-2.33	124.18	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	lF	201	PEB	OD-C4D-C3D	-2.33	124.18	129.46
32	K1	203	PUB	C1D-CHC-C4C	-2.33	108.30	113.37
31	OJ	201	PEB	CAA-C3A-C2A	-2.33	108.44	114.26
31	UJ	202	PEB	CHA-C4A-NA	-2.33	122.44	125.20
31	GJ	202	PEB	OD-C4D-C3D	-2.33	124.18	129.46
31	F7	202	PEB	OD-C4D-C3D	-2.33	124.18	129.46
31	P7	201	PEB	OD-C4D-C3D	-2.33	124.18	129.46
31	jC	201	PEB	OD-C4D-C3D	-2.33	124.18	129.46
31	TK	202	PEB	C4B-NB-C1B	-2.33	102.12	106.51
31	jF	202	PEB	OD-C4D-C3D	-2.33	124.18	129.46
31	BG	202	PEB	C2B-C1B-NB	2.33	115.50	110.53
32	AE	303	PUB	CBA-CAA-C3A	-2.33	109.45	112.98
31	S7	203	PEB	C3B-C4B-NB	2.33	113.44	110.05
31	RD	202	PEB	CAB-CBB-CGB	-2.33	108.59	113.60
31	uF	203	PEB	OD-C4D-C3D	-2.33	124.18	129.46
31	E5	201	PEB	C1B-C2B-C3B	-2.33	103.83	106.51
31	QJ	201	PEB	CBB-CAB-C3B	2.33	119.10	112.63
31	M4	203	PEB	CMB-C2B-C1B	2.33	128.65	125.06
31	d4	201	PEB	CMB-C2B-C1B	2.33	128.65	125.06
31	B8	201	PEB	CMB-C2B-C1B	2.33	128.65	125.06
31	N7	201	PEB	OD-C4D-C3D	-2.33	124.19	129.46
31	aD	201	PEB	CMA-C2A-C1A	-2.33	107.38	112.40
31	W8	201	PEB	OD-C4D-ND	-2.33	122.48	125.93
31	C7	202	PEB	CHA-C1B-C2B	2.33	130.89	124.90
31	GK	202	PEB	CAB-CBB-CGB	-2.33	108.59	113.60
33	BD	1001	CYC	O2D-CGD-CBD	2.33	121.51	114.03
33	HD	1001	CYC	CBD-CAD-C3D	-2.33	108.65	112.62
31	T9	202	PEB	CHB-C4B-NB	-2.33	125.60	128.83
31	D7	202	PEB	CAC-CBC-CGC	-2.33	107.23	113.76
31	YH	201	PEB	CAA-C3A-C2A	-2.33	108.44	114.26
31	CA	201	PEB	CHA-C1B-C2B	2.33	130.88	124.90
31	F2	1002	PEB	CMB-C2B-C1B	2.33	128.65	125.06
31	KK	201	PEB	CHB-C4B-C3B	-2.33	119.94	125.32
31	BI	202	PEB	CAB-C3B-C4B	2.33	129.12	125.01
31	YI	201	PEB	CHA-C1B-C2B	-2.33	118.92	124.90
31	J7	201	PEB	O2B-CGB-CBB	2.33	121.51	114.03
31	a8	202	PEB	OA-C1A-C2A	-2.33	124.32	126.17
31	PC	202	PEB	OD-C4D-C3D	-2.33	124.19	129.46
31	EJ	202	PEB	CMA-C2A-C1A	-2.33	107.39	112.40
31	U5	202	PEB	CHA-C4A-NA	-2.33	122.44	125.20
31	K1	201	PEB	CHB-C4B-C3B	-2.33	119.95	125.32
31	FJ	201	PEB	C3B-C4B-NB	2.33	113.43	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	ZD	203	PEB	OD-C4D-C3D	-2.33	124.19	129.46
31	N6	1002	PEB	OD-C4D-C3D	-2.33	124.19	129.46
31	Q1	202	PEB	CHC-C1D-ND	-2.33	111.25	113.95
31	iF	202	PEB	CHB-C4B-NB	-2.33	125.60	128.83
31	YH	201	PEB	CMB-C2B-C1B	2.33	128.65	125.06
31	aF	201	PEB	C2B-C1B-NB	2.33	115.49	110.53
31	U2	201	PEB	CHA-C1B-C2B	2.33	130.88	124.90
31	SJ	201	PEB	C2A-C1A-NA	2.33	110.28	108.27
31	WC	203	PEB	OD-C4D-C3D	-2.33	124.19	129.46
31	AF	201	PEB	OD-C4D-C3D	-2.33	124.19	129.46
31	H8	202	PEB	CHA-C4A-NA	-2.33	122.44	125.20
31	H5	202	PEB	OA-C1A-C2A	-2.33	124.32	126.17
31	GG	203	PEB	C2B-C1B-NB	2.33	115.49	110.53
31	W9	202	PEB	C2B-C1B-NB	2.33	115.49	110.53
31	W1	201	PEB	O2C-CGC-CBC	2.33	121.50	114.03
31	X9	202	PEB	CHB-C4B-NB	-2.33	125.60	128.83
31	aC	202	PEB	CHC-C4C-C3C	-2.33	126.37	130.34
33	BE	1001	CYC	O2D-CGD-CBD	2.33	121.50	114.03
31	fA	301	PEB	CBB-CAB-C3B	2.33	119.09	112.63
31	FI	203	PEB	CAA-C3A-C2A	-2.32	108.45	114.26
31	gC	203	PEB	C3B-C4B-NB	2.32	113.43	110.05
31	QH	204	PEB	OD-C4D-C3D	-2.32	124.19	129.46
32	AH	304	PUB	CHA-C1B-C2B	-2.32	126.37	130.34
31	Z4	202	PEB	O2B-CGB-CBB	2.32	121.50	114.03
31	HA	201	PEB	C1B-C2B-C3B	-2.32	103.84	106.51
31	QJ	201	PEB	C1B-C2B-C3B	-2.32	103.84	106.51
31	k4	201	PEB	C1B-C2B-C3B	-2.32	103.84	106.51
31	HG	201	PEB	CAB-CBB-CGB	2.32	118.61	113.60
31	uF	202	PEB	C3B-C4B-NB	2.32	113.43	110.05
33	MD	1001	CYC	CHA-C1A-C2A	-2.32	119.95	125.32
33	73	1002	CYC	C1A-C2A-C3A	-2.32	104.21	106.78
31	QA	202	PEB	C1C-CHB-C4B	2.32	131.59	128.81
31	T2	201	PEB	CMA-C2A-C1A	-2.32	107.39	112.40
33	L6	1001	CYC	C1B-NB-C4B	-2.32	107.71	110.67
33	L2	1001	CYC	CBA-CAA-C2A	-2.32	106.17	112.63
31	EG	202	PEB	C2B-C1B-NB	2.32	115.49	110.53
31	N9	202	PEB	CHB-C4B-NB	-2.32	125.60	128.83
31	KG	203	PEB	C2B-C1B-NB	2.32	115.49	110.53
31	v8	202	PEB	CAB-C3B-C4B	2.32	129.12	125.01
31	PK	202	PEB	CHA-C4A-NA	2.32	127.97	125.20
31	J1	203	PEB	CHA-C1B-NB	-2.32	120.07	124.93
31	O9	203	PEB	OD-C4D-ND	-2.32	122.49	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	FJ	201	PEB	OD-C4D-C3D	-2.32	124.20	129.46
31	dJ	401	PEB	CHC-C1D-ND	-2.32	111.25	113.95
31	W7	202	PEB	CAA-C3A-C4A	-2.32	106.71	112.67
31	e2	201	PEB	CMA-C2A-C1A	-2.32	107.40	112.40
31	F5	202	PEB	OD-C4D-ND	-2.32	122.49	125.93
31	w8	303	PEB	CHA-C4A-NA	2.32	127.97	125.20
31	dF	202	PEB	CHC-C4C-C3C	2.32	134.30	130.34
31	a8	202	PEB	C4B-C3B-C2B	-2.32	104.21	106.78
31	ZD	203	PEB	CHB-C4B-C3B	-2.32	119.96	125.32
31	C9	202	PEB	CHB-C4B-NB	-2.32	125.61	128.83
31	LK	203	PEB	OA-C1A-C2A	-2.32	124.33	126.17
31	O9	201	PEB	C2B-C1B-NB	2.32	115.48	110.53
31	d5	401	PEB	CMC-C3C-C2C	2.32	129.32	124.94
31	Q2	201	PEB	CMB-C2B-C1B	2.32	128.64	125.06
31	FI	201	PEB	O2B-CGB-CBB	2.32	121.49	114.03
33	IE	1001	CYC	CHA-C1A-C2A	-2.32	119.96	125.32
31	BJ	201	PEB	C2A-C1A-NA	2.32	110.27	108.27
31	JG	201	PEB	C1B-C2B-C3B	-2.32	103.84	106.51
31	W8	202	PEB	C1B-C2B-C3B	-2.32	103.84	106.51
31	j6	202	PEB	OD-C4D-ND	-2.32	122.49	125.93
31	S7	201	PEB	OD-C4D-ND	-2.32	122.49	125.93
31	ZF	201	PEB	OD-C4D-C3D	-2.32	124.20	129.46
31	M8	202	PEB	OD-C4D-C3D	-2.32	124.20	129.46
31	VH	202	PEB	CMA-C2A-C1A	-2.32	107.40	112.40
33	N6	1001	CYC	CHA-C1A-C2A	-2.32	119.96	125.32
31	NG	202	PEB	C2B-C1B-NB	2.32	115.48	110.53
31	JA	201	PEB	CHB-C4B-NB	-2.32	125.61	128.83
31	QK	201	PEB	CAB-C3B-C4B	2.32	129.11	125.01
31	XJ	203	PEB	CMB-C2B-C1B	2.32	128.64	125.06
31	Y4	202	PEB	C3B-C4B-NB	2.32	113.42	110.05
31	iF	203	PEB	CHA-C1B-NB	-2.32	120.08	124.93
31	m2	201	PEB	C1B-C2B-C3B	-2.32	103.84	106.51
31	mC	201	PEB	C1B-C2B-C3B	-2.32	103.84	106.51
31	SG	202	PEB	CHC-C1D-ND	-2.32	111.25	113.95
31	ZI	303	PEB	CHC-C1D-ND	-2.32	111.25	113.95
31	A2	305	PEB	OD-C4D-C3D	-2.32	124.20	129.46
31	a4	204	PEB	OD-C4D-C3D	-2.32	124.20	129.46
31	tF	201	PEB	OD-C4D-C3D	-2.32	124.20	129.46
31	HD	1002	PEB	C2A-C1A-NA	2.32	110.27	108.27
31	w8	303	PEB	C2A-C1A-NA	2.32	110.27	108.27
31	WD	203	PEB	CHB-C4B-C3B	-2.32	119.96	125.32
31	H1	202	PEB	C3B-C4B-NB	2.32	113.42	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	BD	1002	CYC	C1A-C2A-C3A	-2.32	104.22	106.78
31	fA	301	PEB	CAC-CBC-CGC	-2.32	107.26	113.76
31	L6	1002	PEB	CMC-C3C-C2C	2.32	129.31	124.94
31	S4	201	PEB	OD-C4D-ND	-2.32	122.50	125.93
31	M7	201	PEB	C2B-C1B-NB	2.32	115.48	110.53
31	iC	201	PEB	C2B-C1B-NB	2.32	115.48	110.53
31	WK	201	PEB	O2C-CGC-CBC	2.32	121.48	114.03
33	BD	1002	CYC	CAB-C3B-C2B	2.32	131.50	127.53
31	fF	202	PEB	CHA-C1B-NB	-2.32	120.08	124.93
31	P2	201	PEB	CMA-C2A-C1A	-2.32	107.41	112.40
31	aE	201	PEB	CMA-C2A-C1A	-2.32	107.41	112.40
31	IG	202	PEB	C2B-C1B-NB	2.32	115.48	110.53
31	aC	202	PEB	C3B-C4B-NB	2.32	113.42	110.05
32	YK	304	PUB	C2C-C1C-NC	2.32	113.42	110.05
31	i4	202	PEB	OD-C4D-C3D	-2.32	124.21	129.46
31	dE	203	PEB	OD-C4D-C3D	-2.32	124.21	129.46
31	cH	202	PEB	CMA-C2A-C1A	-2.32	107.41	112.40
31	WC	201	PEB	CAC-C2C-C3C	2.32	133.91	127.25
32	AH	303	PUB	CBB-CAB-C3B	-2.32	108.67	112.62
31	U4	201	PEB	CMB-C2B-C1B	2.32	128.63	125.06
31	mF	202	PEB	CMB-C2B-C1B	2.32	128.63	125.06
31	ND	201	PEB	CAB-C3B-C4B	2.32	129.11	125.01
31	fC	201	PEB	CAB-C3B-C4B	2.32	129.11	125.01
32	AB	302	PUB	CMD-C2D-C3D	2.32	131.25	127.77
31	BG	202	PEB	CBD-CAD-C3D	-2.32	116.09	127.62
31	M5	202	PEB	OD-C4D-C3D	-2.32	124.21	129.46
31	H5	201	PEB	CMB-C2B-C1B	2.32	128.63	125.06
31	J1	201	PEB	CHC-C4C-C3C	-2.32	126.39	130.34
31	mF	201	PEB	CHC-C1D-ND	-2.32	111.26	113.95
31	CG	202	PEB	C2B-C1B-NB	2.32	115.47	110.53
31	aA	202	PEB	OD-C4D-C3D	-2.32	124.21	129.46
31	P7	202	PEB	CAC-CBC-CGC	-2.32	107.27	113.76
31	Q9	201	PEB	CMA-C2A-C1A	-2.32	107.41	112.40
31	l8	202	PEB	CAB-C3B-C4B	2.32	129.11	125.01
31	NH	202	PEB	CHA-C1B-NB	-2.32	120.09	124.93
31	i4	201	PEB	CAA-C3A-C2A	-2.32	108.47	114.26
33	y3	1001	CYC	C1B-C2B-C3B	-2.32	105.45	107.87
31	cC	201	PEB	C2B-C1B-NB	2.32	115.47	110.53
31	VF	201	PEB	CHB-C4B-NB	-2.32	125.61	128.83
31	E9	202	PEB	CHB-C4B-NB	-2.32	125.61	128.83
33	LB	1001	CYC	C1B-NB-C4B	-2.32	107.72	110.67
31	o8	203	PEB	CBA-CAA-C3A	-2.32	108.31	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Q9	203	PEB	C1B-C2B-C3B	-2.32	103.85	106.51
31	T8	202	PEB	CMC-C3C-C2C	-2.32	120.58	124.94
31	HG	201	PEB	OD-C4D-C3D	-2.32	124.21	129.46
31	VG	202	PEB	C2B-C1B-NB	2.32	115.47	110.53
31	L4	202	PEB	CAB-CBB-CGB	2.32	118.59	113.60
31	ID	202	PEB	OD-C4D-ND	-2.32	122.50	125.93
31	c2	201	PEB	C1C-CHB-C4B	2.32	131.57	128.81
31	P2	202	PEB	C2A-C1A-NA	2.32	110.27	108.27
31	kF	202	PEB	CAB-C3B-C4B	2.32	129.10	125.01
31	ZI	303	PEB	OD-C4D-C3D	-2.32	124.22	129.46
31	G1	202	PEB	CAB-CBB-CGB	-2.32	108.62	113.60
31	E4	201	PEB	CMB-C2B-C1B	2.31	128.63	125.06
31	e8	202	PEB	CHA-C1B-C2B	2.31	130.85	124.90
31	i8	202	PEB	O1C-CGC-CBC	-2.31	115.64	123.08
31	l8	201	PEB	OD-C4D-C3D	-2.31	124.22	129.46
31	kD	201	PEB	CAB-C3B-C4B	2.31	129.10	125.01
31	v8	202	PEB	CHC-C4C-C3C	-2.31	126.39	130.34
32	A2	304	PUB	CHA-C1B-C2B	-2.31	126.39	130.34
31	hA	301	PEB	CAC-CBC-CGC	-2.31	107.27	113.76
31	wF	303	PEB	C2A-C1A-NA	2.31	110.27	108.27
31	iH	201	PEB	C2A-C1A-NA	2.31	110.27	108.27
31	lF	202	PEB	CHC-C1D-ND	-2.31	111.26	113.95
31	eC	202	PEB	C3B-C4B-NB	2.31	113.42	110.05
33	CC	1001	CYC	C1A-C2A-C3A	-2.31	104.22	106.78
31	T2	201	PEB	CHB-C4B-C3B	-2.31	119.97	125.32
31	EH	201	PEB	C2B-C1B-NB	2.31	115.47	110.53
33	CC	1001	CYC	CHB-C1B-NB	-2.31	121.09	126.06
31	A5	304	PEB	CMA-C2A-C1A	-2.31	107.42	112.40
31	V7	202	PEB	OD-C4D-C3D	-2.31	124.22	129.46
31	kF	202	PEB	C3B-C4B-NB	2.31	113.41	110.05
31	UK	202	PEB	CHC-C1D-ND	-2.31	111.26	113.95
32	QH	202	PUB	CMD-C2D-C3D	2.31	131.24	127.77
31	W5	201	PEB	C2A-C1A-NA	2.31	110.27	108.27
31	JK	203	PEB	OD-C4D-C3D	-2.31	124.22	129.46
31	S7	203	PEB	CHA-C1B-NB	-2.31	120.09	124.93
31	L9	203	PEB	CBC-CAC-C2C	-2.31	108.67	112.62
31	G8	203	PEB	O2B-CGB-CBB	2.31	121.46	114.03
31	KA	301	PEB	C3B-C4B-NB	2.31	113.41	110.05
32	A5	303	PUB	C2C-C1C-NC	2.31	113.41	110.05
31	MA	202	PEB	CHA-C1B-NB	-2.31	120.10	124.93
31	l4	201	PEB	CAB-C3B-C4B	2.31	129.10	125.01
31	jH	203	PEB	CAB-C3B-C4B	2.31	129.10	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	WG	202	PEB	C1C-CHB-C4B	2.31	131.57	128.81
31	S6	201	PEB	C4B-C3B-C2B	-2.31	104.22	106.78
31	TD	201	PEB	CHB-C4B-C3B	-2.31	119.98	125.32
31	TC	201	PEB	CMA-C2A-C1A	-2.31	107.42	112.40
31	YH	201	PEB	CMA-C2A-C1A	-2.31	107.42	112.40
31	U9	202	PEB	CHA-C4A-NA	-2.31	122.46	125.20
31	Q2	203	PEB	C4B-C3B-C2B	-2.31	104.22	106.78
31	hE	203	PEB	CBC-CAC-C2C	-2.31	108.68	112.62
31	IA	202	PEB	CMB-C2B-C1B	2.31	128.62	125.06
31	B7	201	PEB	CAB-C3B-C4B	2.31	129.10	125.01
32	y8	302	PUB	C2C-C1C-NC	2.31	113.41	110.05
31	YF	201	PEB	CAB-CBB-CGB	-2.31	108.63	113.60
31	mH	202	PEB	CAB-CBB-CGB	-2.31	108.63	113.60
31	OJ	202	PEB	CMB-C2B-C1B	2.31	128.62	125.06
31	HA	203	PEB	CHA-C1B-NB	-2.31	120.10	124.93
31	a8	202	PEB	CAB-CBB-CGB	-2.31	108.63	113.60
31	T7	202	PEB	CAC-CBC-CGC	-2.31	107.28	113.76
31	LF	201	PEB	O2B-CGB-CBB	2.31	121.45	114.03
31	U5	202	PEB	C1B-C2B-C3B	-2.31	103.86	106.51
31	HI	202	PEB	C2A-C1A-NA	2.31	110.26	108.27
31	VJ	201	PEB	OD-C4D-ND	-2.31	122.51	125.93
31	PK	201	PEB	CAA-C3A-C2A	-2.31	108.49	114.26
31	ZI	301	PEB	CBD-CAD-C3D	-2.31	116.13	127.62
31	V2	202	PEB	CHC-C4C-C3C	-2.31	126.40	130.34
31	d8	202	PEB	CHC-C4C-C3C	2.31	134.27	130.34
31	d5	401	PEB	CHC-C1D-ND	-2.31	111.27	113.95
31	RA	201	PEB	C1C-CHB-C4B	-2.31	126.05	128.81
31	XH	202	PEB	C1B-C2B-C3B	-2.31	103.86	106.51
31	g6	201	PEB	CHA-C1B-NB	-2.31	120.10	124.93
31	WI	201	PEB	CHB-C4B-C3B	-2.31	119.99	125.32
31	f8	202	PEB	CAC-CBC-CGC	-2.31	107.29	113.76
31	WD	202	PEB	C4B-C3B-C2B	-2.31	104.23	106.78
32	AJ	303	PUB	C2C-C1C-NC	2.31	113.41	110.05
31	TH	202	PEB	C2A-C1A-NA	2.31	110.26	108.27
31	dH	202	PEB	C2A-C1A-NA	2.31	110.26	108.27
33	BE	1002	CYC	CAB-C3B-C2B	2.31	131.48	127.53
32	xF	305	PUB	CBA-CAA-C3A	-2.31	109.48	112.98
31	N7	202	PEB	CHA-C1B-C2B	2.31	130.84	124.90
33	ME	1001	CYC	CHA-C1A-C2A	-2.31	119.99	125.32
31	gB	201	PEB	CHA-C1B-NB	-2.31	120.11	124.93
31	WH	201	PEB	C4B-C3B-C2B	-2.31	104.23	106.78
31	iF	202	PEB	O1C-CGC-CBC	-2.31	115.67	123.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	y8	303	PUB	CMD-C2D-C3D	2.31	131.23	127.77
31	U4	203	PEB	CBC-CAC-C2C	-2.31	108.68	112.62
31	DF	201	PEB	C1B-C2B-C3B	-2.31	103.86	106.51
31	dC	202	PEB	OA-C1A-C2A	-2.31	124.34	126.17
31	P5	202	PEB	CMA-C2A-C1A	-2.31	107.43	112.40
31	BI	202	PEB	CMB-C2B-C1B	2.31	128.62	125.06
31	BJ	201	PEB	CHA-C1B-C2B	2.31	130.83	124.90
32	Y1	304	PUB	C2C-C1C-NC	2.31	113.40	110.05
31	RA	201	PEB	CHA-C1B-NB	-2.31	120.11	124.93
31	dJ	401	PEB	CMC-C3C-C2C	2.31	129.29	124.94
31	LF	202	PEB	C1B-C2B-C3B	-2.31	103.86	106.51
31	i8	203	PEB	CAB-C3B-C4B	2.31	129.09	125.01
31	N4	202	PEB	OD-C4D-C3D	-2.31	124.24	129.46
31	O4	203	PEB	OD-C4D-C3D	-2.31	124.24	129.46
33	D2	1001	CYC	C2A-C1A-NA	2.31	113.40	110.05
31	GH	201	PEB	CHA-C1B-C2B	2.31	130.83	124.90
31	ZE	203	PEB	CHB-C4B-C3B	-2.31	119.99	125.32
31	mF	201	PEB	CAB-C3B-C4B	2.31	129.09	125.01
31	QF	203	PEB	OD-C4D-C3D	-2.31	124.24	129.46
31	MJ	202	PEB	OD-C4D-C3D	-2.31	124.24	129.46
31	VJ	201	PEB	OA-C1A-C2A	-2.31	124.34	126.17
31	NJ	202	PEB	C1B-C2B-C3B	-2.31	103.86	106.51
31	RB	203	PEB	CMB-C2B-C1B	2.31	128.61	125.06
31	O4	203	PEB	CMA-C2A-C1A	-2.31	107.43	112.40
31	CA	202	PEB	CHC-C4C-C3C	-2.31	126.41	130.34
32	A4	303	PUB	CMD-C2D-C3D	2.31	131.23	127.77
31	MI	304	PEB	OD-C4D-C3D	-2.31	124.24	129.46
31	B9	202	PEB	CAB-C3B-C4B	2.31	129.09	125.01
31	a2	202	PEB	C3B-C4B-NB	2.31	113.40	110.05
31	aH	203	PEB	CMC-C3C-C2C	2.30	129.29	124.94
31	D9	203	PEB	C1B-C2B-C3B	-2.30	103.86	106.51
31	K9	202	PEB	CHB-C4B-NB	-2.30	125.63	128.83
31	X4	202	PEB	O2B-CGB-CBB	2.30	121.43	114.03
31	gC	203	PEB	CAB-CBB-CGB	-2.30	108.64	113.60
31	O8	201	PEB	CAB-C3B-C4B	2.30	129.08	125.01
31	FJ	202	PEB	OD-C4D-C3D	-2.30	124.24	129.46
31	CA	202	PEB	CHB-C4B-NB	-2.30	125.63	128.83
31	I9	202	PEB	CHB-C4B-NB	-2.30	125.63	128.83
31	XF	203	PEB	C4B-NB-C1B	-2.30	102.17	106.51
31	aF	202	PEB	CAB-CBB-CGB	-2.30	108.65	113.60
31	F9	201	PEB	CAC-C2C-C3C	2.30	133.87	127.25
31	eF	201	PEB	C2B-C1B-NB	2.30	115.44	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y4	201	PEB	CHB-C4B-C3B	-2.30	120.00	125.32
31	J8	202	PEB	CHA-C4A-NA	2.30	127.94	125.20
31	E5	201	PEB	CHC-C4C-C3C	-2.30	126.41	130.34
31	I5	201	PEB	CBB-CAB-C3B	2.30	119.03	112.63
31	Q4	201	PEB	CHA-C1B-NB	-2.30	120.12	124.93
31	i8	203	PEB	CHA-C1B-NB	-2.30	120.12	124.93
31	J1	203	PEB	OD-C4D-C3D	-2.30	124.24	129.46
31	eB	201	PEB	C1C-CHB-C4B	2.30	131.56	128.81
31	H7	201	PEB	OD-C4D-C3D	-2.30	124.25	129.46
31	eH	201	PEB	OD-C4D-C3D	-2.30	124.25	129.46
31	B9	203	PEB	C1B-C2B-C3B	-2.30	103.86	106.51
31	Q6	201	PEB	CAB-C3B-C4B	2.30	129.08	125.01
31	P7	202	PEB	CAB-C3B-C4B	2.30	129.08	125.01
31	PG	202	PEB	C2B-C1B-NB	2.30	115.44	110.53
31	RG	202	PEB	C2B-C1B-NB	2.30	115.44	110.53
31	T7	202	PEB	OD-C4D-C3D	-2.30	124.25	129.46
31	S9	203	PEB	C2A-C1A-NA	2.30	110.26	108.27
31	Z2	201	PEB	CAA-C3A-C2A	-2.30	108.51	114.26
31	MI	302	PEB	CBD-CAD-C3D	-2.30	116.17	127.62
31	MI	304	PEB	CHC-C1D-ND	-2.30	111.28	113.95
31	NB	1002	PEB	OD-C4D-C3D	-2.30	124.25	129.46
31	Q1	201	PEB	CAB-C3B-C4B	2.30	129.08	125.01
31	OD	201	PEB	C4B-C3B-C2B	-2.30	104.24	106.78
31	jF	202	PEB	CHC-C1D-ND	-2.30	111.28	113.95
31	KA	302	PEB	C3B-C4B-NB	2.30	113.39	110.05
32	AD	303	PUB	CBA-CAA-C3A	-2.30	109.49	112.98
33	W3	1001	CYC	C1B-C2B-C3B	-2.30	105.47	107.87
31	j2	201	PEB	OD-C4D-C3D	-2.30	124.25	129.46
31	fF	202	PEB	CAC-CBC-CGC	-2.30	107.31	113.76
31	YK	303	PEB	CHA-C4A-NA	2.30	127.94	125.20
31	iE	201	PEB	OD-C4D-ND	-2.30	122.52	125.93
31	GF	203	PEB	O2B-CGB-CBB	2.30	121.42	114.03
31	JK	203	PEB	CHA-C1B-NB	-2.30	120.12	124.93
31	I4	203	PEB	OD-C4D-C3D	-2.30	124.25	129.46
31	I8	201	PEB	C1C-CHB-C4B	2.30	131.56	128.81
31	DJ	202	PEB	CMA-C2A-C1A	-2.30	107.45	112.40
31	kC	203	PEB	OD-C4D-ND	-2.30	122.53	125.93
31	d8	202	PEB	C4B-C3B-C2B	-2.30	104.24	106.78
31	l8	202	PEB	CHC-C1D-ND	-2.30	111.28	113.95
31	T2	201	PEB	C1B-C2B-C3B	-2.30	103.87	106.51
31	M4	201	PEB	CAB-C3B-C4B	2.30	129.07	125.01
31	WJ	202	PEB	CMD-C2D-C3D	2.30	133.31	130.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MH	201	PEB	CMB-C2B-C1B	2.30	128.60	125.06
31	Y7	502	PEB	CHA-C1B-C2B	2.30	130.81	124.90
31	D9	202	PEB	C2B-C1B-NB	2.30	115.43	110.53
31	P1	201	PEB	CAA-C3A-C2A	-2.30	108.52	114.26
31	Q7	201	PEB	CMA-C2A-C1A	-2.30	107.45	112.40
31	eC	201	PEB	CMA-C2A-C1A	-2.30	107.45	112.40
31	BG	201	PEB	CHA-C1B-NB	-2.30	120.13	124.93
31	O4	202	PEB	OD-C4D-C3D	-2.30	124.25	129.46
31	lF	203	PEB	C3B-C4B-NB	2.30	113.39	110.05
31	V9	202	PEB	CHB-C4B-NB	-2.30	125.64	128.83
31	j8	202	PEB	CAB-C3B-C4B	2.30	129.07	125.01
31	EK	201	PEB	OD-C4D-C3D	-2.30	124.26	129.46
31	fF	201	PEB	C3B-C4B-NB	2.30	113.39	110.05
31	G5	202	PEB	OD-C4D-C3D	-2.30	124.26	129.46
31	W8	202	PEB	CAB-C3B-C4B	2.30	129.07	125.01
31	ZA	203	PEB	CBC-CAC-C2C	-2.30	108.70	112.62
31	AG	202	PEB	C2B-C1B-NB	2.30	115.43	110.53
31	YI	203	PEB	OD-C4D-C3D	-2.30	124.26	129.46
31	S9	203	PEB	C1B-C2B-C3B	-2.30	103.87	106.51
31	ZH	201	PEB	CAB-CBB-CGB	-2.30	108.66	113.60
31	kE	202	PEB	CAC-CBC-CGC	-2.30	107.32	113.76
31	SI	201	PEB	OD-C4D-C3D	-2.30	124.26	129.46
31	W2	203	PEB	OD-C4D-C3D	-2.30	124.26	129.46
31	hC	201	PEB	OA-C1A-C2A	-2.30	124.35	126.17
31	C8	202	PEB	CHA-C1B-NB	-2.30	120.13	124.93
31	EF	201	PEB	CHC-C1D-ND	-2.30	111.28	113.95
31	QC	201	PEB	CAB-C3B-C4B	2.29	129.07	125.01
31	MJ	201	PEB	CHC-C4C-C3C	-2.29	126.42	130.34
31	OF	203	PEB	CAA-C3A-C4A	-2.29	106.78	112.67
31	C1	201	PEB	CAB-C3B-C4B	2.29	129.07	125.01
31	C5	201	PEB	CAB-C3B-C4B	2.29	129.07	125.01
33	LC	1003	CYC	CMC-C2C-C1C	-2.29	107.46	112.40
31	OB	202	PEB	C4B-C3B-C2B	-2.29	104.24	106.78
31	kD	202	PEB	CAC-CBC-CGC	-2.29	107.33	113.76
31	PK	203	PEB	OD-C4D-ND	-2.29	122.53	125.93
31	mC	201	PEB	CHA-C1B-NB	-2.29	120.14	124.93
33	HE	1001	CYC	CBD-CAD-C3D	-2.29	108.71	112.62
31	IJ	202	PEB	CMC-C3C-C2C	2.29	129.27	124.94
31	G7	202	PEB	CHC-C1D-ND	-2.29	111.28	113.95
31	e8	201	PEB	C2B-C1B-NB	2.29	115.42	110.53
31	NF	202	PEB	C1C-CHB-C4B	2.29	131.55	128.81
31	z8	501	PEB	CHA-C1B-NB	-2.29	120.14	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	H9	203	PEB	CHA-C1B-NB	-2.29	120.14	124.93
31	TF	202	PEB	CMC-C3C-C2C	-2.29	120.62	124.94
32	Q4	202	PUB	CHA-C1B-C2B	-2.29	126.43	130.34
31	Z9	302	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	TA	201	PEB	CHB-C4B-NB	-2.29	125.65	128.83
31	OJ	202	PEB	CAA-C3A-C4A	2.29	118.56	112.67
31	JK	201	PEB	CHC-C4C-C3C	-2.29	126.43	130.34
31	LA	201	PEB	CHC-C1D-ND	-2.29	111.29	113.95
31	PF	201	PEB	CMB-C2B-C1B	2.29	128.59	125.06
31	WI	201	PEB	CAA-C3A-C2A	-2.29	108.53	114.26
31	pF	202	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	e6	201	PEB	C1C-CHB-C4B	2.29	131.55	128.81
31	RB	202	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	LI	203	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	WI	201	PEB	C4B-NB-C1B	-2.29	102.19	106.51
31	NA	203	PEB	CMA-C2A-C1A	-2.29	107.47	112.40
31	D5	202	PEB	CMA-C2A-C1A	-2.29	107.47	112.40
31	TG	203	PEB	C2B-C1B-NB	2.29	115.42	110.53
31	zF	501	PEB	CHA-C1B-NB	-2.29	120.14	124.93
31	U9	202	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	GA	202	PEB	CAB-C3B-C4B	2.29	129.06	125.01
31	j8	201	PEB	CMB-C2B-C1B	2.29	128.59	125.06
31	HA	202	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	TH	201	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	LK	203	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	PK	202	PEB	OD-C4D-C3D	-2.29	124.27	129.46
31	IA	201	PEB	CAB-CBB-CGB	-2.29	108.67	113.60
31	B4	301	PEB	CAB-CBB-CGB	-2.29	108.67	113.60
33	NC	1001	CYC	C1B-NB-C4B	-2.29	107.75	110.67
31	h8	202	PEB	CAB-C3B-C4B	2.29	129.06	125.01
31	HJ	201	PEB	CMB-C2B-C1B	2.29	128.59	125.06
31	QA	204	PEB	C1B-C2B-C3B	-2.29	103.88	106.51
31	rF	202	PEB	C4B-C3B-C2B	-2.29	104.25	106.78
31	IJ	201	PEB	CBB-CAB-C3B	2.29	118.99	112.63
31	l6	202	PEB	O2B-CGB-CBB	2.29	121.39	114.03
31	jF	201	PEB	CMB-C2B-C1B	2.29	128.59	125.06
31	JJ	203	PEB	C2B-C1B-NB	2.29	115.41	110.53
33	IB	1001	CYC	CMB-C2B-C1B	2.29	127.02	124.17
31	X7	201	PEB	OD-C4D-C3D	-2.29	124.28	129.46
31	QB	201	PEB	CAB-C3B-C4B	2.29	129.06	125.01
31	i6	203	PEB	CHC-C1D-ND	-2.29	111.29	113.95
31	HH	201	PEB	CAB-CBB-CGB	-2.29	108.68	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YH	202	PEB	CHA-C1B-C2B	2.29	130.78	124.90
31	M8	203	PEB	CHA-C1B-C2B	2.29	130.78	124.90
31	ZD	201	PEB	CHA-C4A-NA	2.29	127.92	125.20
31	kD	201	PEB	CMC-C3C-C2C	2.29	129.25	124.94
31	CH	203	PEB	CAB-C3B-C4B	2.29	129.06	125.01
31	SH	201	PEB	CAB-C3B-C4B	2.29	129.06	125.01
31	WG	202	PEB	CBA-CAA-C3A	-2.29	108.37	113.47
31	L7	201	PEB	OD-C4D-C3D	-2.29	124.28	129.46
31	EK	202	PEB	OD-C4D-ND	-2.29	122.54	125.93
31	E1	202	PEB	OD-C4D-ND	-2.29	122.54	125.93
31	LJ	201	PEB	C3B-C4B-NB	2.29	113.38	110.05
31	hD	203	PEB	CBC-CAC-C2C	-2.29	108.72	112.62
31	e8	202	PEB	C1C-CHB-C4B	-2.29	126.08	128.81
31	UE	203	PEB	CAB-C3B-C4B	2.29	129.05	125.01
31	L7	202	PEB	CAC-CBC-CGC	-2.29	107.35	113.76
31	BG	201	PEB	CAA-C3A-C4A	-2.29	106.80	112.67
31	O5	202	PEB	CAA-C3A-C4A	2.29	118.55	112.67
31	t8	201	PEB	C3B-C4B-NB	2.29	113.38	110.05
31	PD	202	PEB	CHB-C4B-NB	-2.29	125.66	128.83
31	hA	301	PEB	C1C-CHB-C4B	2.29	131.54	128.81
31	NA	202	PEB	OD-C4D-ND	-2.29	122.54	125.93
31	K4	202	PEB	OD-C4D-ND	-2.29	122.54	125.93
31	j2	202	PEB	CHB-C4B-C3B	2.29	130.60	125.32
31	BI	202	PEB	C2B-C1B-NB	2.29	115.41	110.53
31	QE	201	PEB	OD-C4D-C3D	-2.29	124.28	129.46
31	Q2	201	PEB	CAB-C3B-C4B	2.29	129.05	125.01
31	v8	201	PEB	CHA-C1B-NB	-2.29	120.15	124.93
31	QH	201	PEB	OD-C4D-C3D	-2.29	124.28	129.46
31	w8	303	PEB	CBB-CAB-C3B	2.29	118.98	112.63
31	aF	201	PEB	CMB-C2B-C1B	2.29	128.58	125.06
33	JB	1001	CYC	CBD-CAD-C3D	-2.28	108.72	112.62
32	A2	304	PUB	CMA-C2A-C1A	2.28	126.77	121.39
31	jF	202	PEB	CAB-C3B-C4B	2.28	129.05	125.01
31	lE	202	PEB	OD-C4D-ND	-2.28	122.55	125.93
31	FI	202	PEB	CAB-CBB-CGB	-2.28	108.69	113.60
31	M4	203	PEB	CHA-C1B-NB	-2.28	120.16	124.93
31	PK	201	PEB	C4B-C3B-C2B	-2.28	104.25	106.78
31	GK	202	PEB	CAB-C3B-C4B	2.28	129.05	125.01
31	vF	202	PEB	CAB-C3B-C4B	2.28	129.05	125.01
31	JA	202	PEB	CAB-CBB-CGB	-2.28	108.69	113.60
31	y8	301	PEB	OD-C4D-C3D	-2.28	124.29	129.46
31	Y4	203	PEB	CHA-C1B-NB	-2.28	120.16	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gE	201	PEB	C2B-C1B-NB	2.28	115.40	110.53
31	cB	201	PEB	CBC-CAC-C2C	-2.28	108.72	112.62
31	iB	203	PEB	CHC-C1D-ND	-2.28	111.30	113.95
31	B9	203	PEB	C2A-C1A-NA	2.28	110.24	108.27
31	E9	202	PEB	CHB-C4B-C3B	-2.28	120.05	125.32
31	QJ	201	PEB	CAA-C3A-C2A	-2.28	108.56	114.26
31	NJ	202	PEB	CMB-C2B-C1B	2.28	128.58	125.06
31	KA	302	PEB	OD-C4D-ND	-2.28	122.55	125.93
33	I6	1001	CYC	CMB-C2B-C1B	2.28	127.02	124.17
31	M9	302	PEB	OD-C4D-C3D	-2.28	124.29	129.46
31	CJ	201	PEB	CAB-C3B-C4B	2.28	129.04	125.01
31	f2	203	PEB	OD-C4D-ND	-2.28	122.55	125.93
31	lC	202	PEB	C3B-C4B-NB	2.28	113.37	110.05
31	o8	203	PEB	CMA-C2A-C1A	-2.28	107.48	112.40
31	AC	305	PEB	CHC-C1D-ND	-2.28	111.30	113.95
31	Z4	201	PEB	CHC-C1D-ND	2.28	116.60	113.95
31	D5	203	PEB	CHC-C4C-C3C	-2.28	126.45	130.34
31	D5	201	PEB	OD-C4D-ND	-2.28	122.55	125.93
31	Q5	201	PEB	CAA-C3A-C2A	-2.28	108.56	114.26
31	kC	202	PEB	C3B-C4B-NB	2.28	113.37	110.05
31	P9	202	PEB	CHB-C4B-C3B	-2.28	120.05	125.32
33	HC	1001	CYC	OB-C4B-NB	-2.28	119.78	125.08
31	lD	203	PEB	CMB-C2B-C1B	2.28	128.58	125.06
31	I7	201	PEB	C4B-C3B-C2B	-2.28	104.26	106.78
31	A7	201	PEB	C2B-C1B-NB	2.28	115.40	110.53
31	FH	201	PEB	CHC-C1D-ND	-2.28	111.30	113.95
31	J1	202	PEB	CHA-C4A-NA	2.28	127.92	125.20
33	LC	1001	CYC	CBA-CAA-C2A	-2.28	106.29	112.63
31	WE	203	PEB	CHB-C4B-C3B	-2.28	120.05	125.32
31	PE	202	PEB	CHB-C4B-NB	-2.28	125.66	128.83
31	WJ	202	PEB	CAB-CBB-CGB	-2.28	108.70	113.60
31	k2	202	PEB	CHB-C4B-C3B	-2.28	120.05	125.32
31	F5	201	PEB	CHA-C4A-NA	2.28	127.92	125.20
31	TA	202	PEB	CAB-CBB-CGB	-2.28	108.70	113.60
31	TC	201	PEB	CHB-C4B-C3B	-2.28	120.06	125.32
31	c4	202	PEB	CAB-CBB-CGB	2.28	118.51	113.60
31	B5	201	PEB	C2A-C1A-NA	2.28	110.24	108.27
31	OD	201	PEB	OD-C4D-C3D	-2.28	124.30	129.46
31	l4	203	PEB	CMB-C2B-C1B	2.28	128.57	125.06
31	R5	203	PEB	CMB-C2B-C1B	2.28	128.57	125.06
31	hF	202	PEB	CAB-C3B-C4B	2.28	129.04	125.01
31	VC	202	PEB	CHC-C4C-C3C	-2.28	126.45	130.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	YE	201	PEB	C4B-NB-C1B	-2.28	102.22	106.51
31	f2	203	PEB	CAB-C3B-C4B	2.28	129.04	125.01
31	bD	201	PEB	OD-C4D-C3D	-2.28	124.30	129.46
33	JC	1001	CYC	C2C-C1C-NC	2.28	110.24	108.27
33	S3	1001	CYC	C2C-C1C-NC	2.28	110.24	108.27
31	mE	201	PEB	CAA-C3A-C2A	-2.28	108.57	114.26
31	HK	202	PEB	C3B-C4B-NB	2.28	113.36	110.05
31	S4	201	PEB	C3B-C4B-NB	2.28	113.36	110.05
31	Q4	203	PEB	CHC-C1D-ND	-2.28	111.30	113.95
31	Z8	201	PEB	CHA-C1B-C2B	2.28	130.75	124.90
31	TC	201	PEB	CBD-CAD-C3D	-2.28	116.30	127.62
33	O3	1001	CYC	C2C-C1C-NC	2.28	110.23	108.27
31	GF	203	PEB	O2C-CGC-CBC	2.28	121.34	114.03
31	dF	201	PEB	OD-C4D-C3D	-2.28	124.31	129.46
31	TD	201	PEB	CAC-CBC-CGC	-2.28	107.38	113.76
31	RF	201	PEB	CAA-C3A-C2A	-2.28	108.57	114.26
33	H2	1001	CYC	OB-C4B-NB	-2.28	119.79	125.08
31	eF	201	PEB	CHC-C1D-ND	-2.28	111.31	113.95
33	J2	1001	CYC	OC-C1C-C2C	-2.28	124.36	126.17
31	V9	202	PEB	CHB-C4B-C3B	-2.27	120.06	125.32
31	T2	201	PEB	CBD-CAD-C3D	-2.27	116.30	127.62
31	NH	202	PEB	C2A-C1A-NA	2.27	110.23	108.27
31	OE	201	PEB	OD-C4D-C3D	-2.27	124.31	129.46
31	WF	201	PEB	CAA-C3A-C2A	2.27	119.94	114.26
33	KE	202	CYC	CHB-C1B-NB	-2.27	121.18	126.06
31	UI	201	PEB	OD-C4D-C3D	-2.27	124.31	129.46
31	YI	202	PEB	OD-C4D-C3D	-2.27	124.31	129.46
31	XA	202	PEB	CMA-C2A-C1A	-2.27	107.50	112.40
31	B1	202	PEB	CHB-C4B-NB	-2.27	125.67	128.83
31	s8	203	PEB	C3B-C4B-NB	2.27	113.36	110.05
31	O9	202	PEB	C1B-C2B-C3B	-2.27	103.90	106.51
31	SJ	201	PEB	CHC-C4C-C3C	-2.27	126.46	130.34
31	i8	202	PEB	CHB-C4B-NB	-2.27	125.67	128.83
31	S7	202	PEB	OA-C1A-C2A	-2.27	124.37	126.17
31	YE	202	PEB	CMA-C2A-C1A	-2.27	107.50	112.40
31	p8	201	PEB	CAB-C3B-C4B	2.27	129.03	125.01
31	TC	201	PEB	C1B-C2B-C3B	-2.27	103.90	106.51
31	W2	203	PEB	C3B-C4B-NB	2.27	113.35	110.05
31	V5	202	PEB	OD-C4D-C3D	-2.27	124.31	129.46
31	SB	202	PEB	CMD-C2D-C3D	2.27	133.27	130.06
31	MA	202	PEB	CAB-CBB-CGB	-2.27	108.71	113.60
31	Q6	201	PEB	CHC-C1D-ND	-2.27	111.31	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	E5	202	PEB	CMA-C2A-C1A	-2.27	107.51	112.40
31	YK	302	PEB	CHA-C1B-C2B	2.27	130.74	124.90
31	Y1	302	PEB	CHA-C1B-C2B	2.27	130.74	124.90
31	W7	202	PEB	C2B-C1B-NB	2.27	115.38	110.53
31	eH	201	PEB	O2B-CGB-CBB	2.27	121.33	114.03
31	U5	201	PEB	CAB-CBB-CGB	-2.27	108.72	113.60
33	M3	1001	CYC	C2C-C1C-NC	2.27	110.23	108.27
31	lB	202	PEB	O2B-CGB-CBB	2.27	121.33	114.03
31	H4	201	PEB	CMD-C2D-C3D	2.27	133.27	130.06
31	k8	202	PEB	CAB-C3B-C4B	2.27	129.03	125.01
31	N5	202	PEB	CMB-C2B-C1B	2.27	128.56	125.06
32	QH	202	PUB	CMB-C2B-C3B	2.27	129.22	124.94
31	VK	203	PEB	C3B-C4B-NB	2.27	113.35	110.05
31	L1	203	PEB	OD-C4D-C3D	-2.27	124.32	129.46
31	W4	201	PEB	C4B-C3B-C2B	-2.27	104.27	106.78
31	T9	202	PEB	CHB-C4B-C3B	-2.27	120.08	125.32
31	C7	203	PEB	CHA-C1B-NB	-2.27	120.18	124.93
31	QD	201	PEB	OD-C4D-C3D	-2.27	124.32	129.46
33	d3	1001	CYC	C2C-C1C-NC	2.27	110.23	108.27
31	G4	201	PEB	CHC-C1D-ND	-2.27	111.31	113.95
31	l4	203	PEB	CHC-C1D-ND	2.27	116.58	113.95
31	d8	202	PEB	CHC-C1D-ND	-2.27	111.31	113.95
31	hH	203	PEB	CMC-C3C-C2C	2.27	129.22	124.94
31	V6	201	PEB	CHC-C4C-C3C	-2.27	126.47	130.34
31	hF	201	PEB	CHA-C1B-C2B	2.27	130.74	124.90
31	KH	202	PEB	CBC-CAC-C2C	-2.27	108.75	112.62
31	LC	1002	PEB	OD-C4D-ND	-2.27	122.57	125.93
33	N2	1001	CYC	CHA-C1A-C2A	-2.27	120.08	125.32
31	WJ	202	PEB	C1B-C2B-C3B	-2.27	103.90	106.51
33	H3	1001	CYC	C2C-C1C-NC	2.27	110.23	108.27
31	QA	201	PEB	CHC-C4C-C3C	2.27	134.20	130.34
31	L1	203	PEB	OA-C1A-C2A	-2.27	124.37	126.17
31	m2	201	PEB	OD-C4D-C3D	-2.27	124.32	129.46
31	W5	202	PEB	CAB-CBB-CGB	-2.27	108.72	113.60
31	YD	202	PEB	CMA-C2A-C1A	-2.27	107.52	112.40
31	EH	201	PEB	CAA-C3A-C4A	-2.27	106.85	112.67
31	WD	201	PEB	OD-C4D-C3D	-2.27	124.33	129.46
31	OI	203	PEB	OD-C4D-C3D	-2.27	124.33	129.46
31	U1	202	PEB	CHC-C1D-ND	-2.27	111.31	113.95
31	qF	201	PEB	C3B-C4B-NB	2.27	113.35	110.05
31	AJ	304	PEB	CMA-C2A-C1A	-2.27	107.52	112.40
31	dE	203	PEB	C4B-C3B-C2B	-2.27	104.28	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	wF	303	PEB	CBB-CAB-C3B	2.27	118.92	112.63
31	JK	202	PEB	CHA-C4A-NA	2.27	127.90	125.20
31	WH	203	PEB	CAA-C3A-C2A	-2.27	108.60	114.26
31	PC	201	PEB	CMA-C2A-C1A	-2.27	107.52	112.40
33	B3	1001	CYC	C2C-C1C-NC	2.27	110.23	108.27
31	X8	203	PEB	C4B-NB-C1B	-2.27	102.24	106.51
31	I5	202	PEB	CMC-C3C-C2C	2.27	129.21	124.94
31	K9	202	PEB	CHB-C4B-C3B	-2.27	120.09	125.32
32	AC	304	PUB	CMA-C2A-C1A	2.27	126.72	121.39
31	V1	202	PEB	CMB-C2B-C1B	2.26	128.55	125.06
31	ZG	401	PEB	CHC-C1D-ND	-2.26	111.32	113.95
31	VC	203	PEB	OD-C4D-C3D	-2.26	124.33	129.46
31	mC	201	PEB	OD-C4D-C3D	-2.26	124.33	129.46
33	MB	1001	CYC	CBD-CAD-C3D	-2.26	108.75	112.62
31	TJ	202	PEB	CHB-C4B-NB	-2.26	125.69	128.83
31	A9	202	PEB	CHB-C4B-C3B	-2.26	120.09	125.32
31	R9	202	PEB	CHB-C4B-C3B	-2.26	120.09	125.32
31	sF	203	PEB	C3B-C4B-NB	2.26	113.34	110.05
31	I9	202	PEB	CHB-C4B-C3B	-2.26	120.09	125.32
31	PB	201	PEB	CAB-CBB-CGB	-2.26	108.73	113.60
31	V1	203	PEB	C3B-C4B-NB	2.26	113.34	110.05
31	J5	203	PEB	C2B-C1B-NB	2.26	115.36	110.53
31	FG	201	PEB	CAC-CBC-CGC	-2.26	107.41	113.76
31	Q9	201	PEB	C2B-C1B-NB	2.26	115.36	110.53
31	vF	202	PEB	CHC-C4C-C3C	-2.26	126.48	130.34
31	UH	202	PEB	OD-C4D-C3D	-2.26	124.33	129.46
31	Y9	203	PEB	OD-C4D-C3D	-2.26	124.33	129.46
31	OF	201	PEB	CAB-C3B-C4B	2.26	129.01	125.01
31	V2	201	PEB	CHA-C1B-C2B	2.26	130.72	124.90
31	OJ	202	PEB	CHA-C4A-NA	-2.26	122.52	125.20
31	f8	202	PEB	CHA-C1B-NB	-2.26	120.20	124.93
31	LA	201	PEB	OD-C4D-C3D	-2.26	124.33	129.46
31	iD	201	PEB	OD-C4D-ND	-2.26	122.58	125.93
33	y3	1001	CYC	CAD-CBD-CGD	-2.26	107.42	113.76
31	NH	202	PEB	CAB-CBB-CGB	2.26	118.47	113.60
31	X9	202	PEB	CHB-C4B-C3B	-2.26	120.10	125.32
31	b2	201	PEB	CBB-CAB-C3B	-2.26	106.34	112.63
31	G4	202	PEB	CMB-C2B-C1B	2.26	128.55	125.06
31	Y2	201	PEB	CAB-C3B-C4B	2.26	129.01	125.01
31	WJ	201	PEB	CMA-C2A-C1A	-2.26	107.53	112.40
31	W4	201	PEB	CMA-C2A-C1A	-2.26	107.53	112.40
31	KA	302	PEB	C4B-C3B-C2B	-2.26	104.28	106.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	BE	1002	CYC	C1A-C2A-C3A	-2.26	104.28	106.78
31	eF	202	PEB	CHA-C1B-C2B	2.26	130.71	124.90
31	QD	201	PEB	CMB-C2B-C1B	2.26	128.54	125.06
31	V8	201	PEB	CHB-C4B-NB	-2.26	125.69	128.83
33	W3	1001	CYC	CHA-C1A-NA	-2.26	125.69	128.83
31	Q7	202	PEB	O1C-CGC-CBC	-2.26	115.82	123.08
31	GH	203	PEB	CAA-C3A-C2A	-2.26	108.61	114.26
33	F3	1001	CYC	C2C-C1C-NC	2.26	110.22	108.27
33	j3	1001	CYC	C2C-C1C-NC	2.26	110.22	108.27
31	HF	201	PEB	CBC-CAC-C2C	-2.26	108.76	112.62
31	CF	202	PEB	CHA-C1B-NB	-2.26	120.21	124.93
31	MF	202	PEB	CHA-C1B-NB	-2.26	120.21	124.93
33	D2	1001	CYC	C1A-C2A-C3A	-2.26	104.28	106.78
31	W2	202	PEB	OA-C1A-C2A	-2.26	124.38	126.17
31	lF	202	PEB	CAB-C3B-C4B	2.26	129.00	125.01
31	MH	202	PEB	CBB-CAB-C3B	-2.26	106.35	112.63
31	PH	202	PEB	CHA-C1B-NB	-2.26	120.21	124.93
31	kC	202	PEB	OA-C1A-NA	2.26	127.68	124.94
31	J7	202	PEB	OD-C4D-C3D	-2.26	124.34	129.46
31	R1	203	PEB	O1B-CGB-CBB	-2.26	115.83	123.08
31	WF	201	PEB	OD-C4D-ND	-2.26	122.58	125.93
31	WC	202	PEB	OD-C4D-C3D	-2.26	124.34	129.46
31	cA	401	PEB	CBC-CAC-C2C	-2.26	108.77	112.62
31	f8	202	PEB	C1C-CHB-C4B	2.26	131.51	128.81
31	ZD	201	PEB	CAB-C3B-C4B	2.26	129.00	125.01
33	L3	1001	CYC	C2C-C1C-NC	2.26	110.22	108.27
31	LG	201	PEB	CAA-C3A-C2A	-2.26	108.62	114.26
31	Y9	201	PEB	CAB-C3B-C2B	2.26	132.08	127.88
31	i4	201	PEB	O2B-CGB-CBB	2.26	121.28	114.03
31	dF	202	PEB	CHC-C1D-ND	-2.26	111.33	113.95
31	mD	201	PEB	CAA-C3A-C2A	-2.26	108.62	114.26
31	C9	202	PEB	CHB-C4B-C3B	-2.26	120.11	125.32
31	XK	203	PEB	CHA-C1B-NB	-2.26	120.21	124.93
31	I7	201	PEB	CHC-C1D-ND	-2.26	111.33	113.95
33	k3	1001	CYC	C2C-C1C-NC	2.26	110.22	108.27
31	dC	202	PEB	OD-C4D-C3D	-2.26	124.35	129.46
31	G9	202	PEB	CHB-C4B-C3B	-2.26	120.11	125.32
31	FJ	203	PEB	C4B-NB-C1B	2.26	110.76	106.51
31	TE	201	PEB	CAC-CBC-CGC	-2.26	107.44	113.76
31	K4	203	PEB	C2B-C1B-NB	2.26	115.34	110.53
31	N9	202	PEB	CHB-C4B-C3B	-2.26	120.11	125.32
31	bC	201	PEB	CBB-CAB-C3B	-2.26	106.36	112.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	k6	201	PEB	CMB-C2B-C1B	2.26	128.54	125.06
32	x8	305	PUB	CBA-CAA-C3A	-2.26	109.56	112.98
31	bE	201	PEB	CHB-C4B-C3B	-2.25	120.11	125.32
33	M6	1001	CYC	CBD-CAD-C3D	-2.25	108.77	112.62
31	OK	201	PEB	O2C-CGC-CBC	2.25	121.27	114.03
31	PH	201	PEB	CAB-C3B-C4B	2.25	129.00	125.01
33	N2	1001	CYC	CMC-C2C-C1C	-2.25	107.54	112.40
31	A2	305	PEB	CHC-C1D-ND	-2.25	111.33	113.95
31	yF	301	PEB	OD-C4D-C3D	-2.25	124.35	129.46
32	y8	302	PUB	CAC-C2C-C1C	2.25	129.00	125.01
31	l8	203	PEB	C3B-C4B-NB	2.25	113.33	110.05
31	xF	303	PEB	OD-C4D-ND	-2.25	122.59	125.93
33	u3	1001	CYC	C2C-C1C-NC	2.25	110.22	108.27
33	73	1001	CYC	C2C-C1C-NC	2.25	110.22	108.27
31	O1	201	PEB	O2C-CGC-CBC	2.25	121.27	114.03
31	gD	201	PEB	C2B-C1B-NB	2.25	115.34	110.53
31	DE	1002	PEB	OD-C4D-ND	-2.25	122.59	125.93
31	U9	201	PEB	CMB-C2B-C1B	2.25	128.53	125.06
31	Y1	302	PEB	OD-C4D-ND	-2.25	122.59	125.93
33	Q3	1001	CYC	C2C-C1C-NC	2.25	110.22	108.27
31	L6	1002	PEB	CAB-C3B-C4B	2.25	128.99	125.01
31	YI	202	PEB	CMA-C2A-C1A	-2.25	107.55	112.40
31	P2	202	PEB	C1B-C2B-C3B	-2.25	103.92	106.51
31	KH	201	PEB	OD-C4D-C3D	-2.25	124.36	129.46
31	QB	201	PEB	CHC-C1D-ND	-2.25	111.33	113.95
31	X1	203	PEB	CHA-C1B-NB	-2.25	120.22	124.93
31	j8	201	PEB	CAA-C3A-C2A	-2.25	108.63	114.26
31	B5	201	PEB	CHA-C1B-C2B	2.25	130.69	124.90
33	h3	1001	CYC	C2C-C1C-NC	2.25	110.21	108.27
31	dB	201	PEB	C4B-NB-C1B	-2.25	102.27	106.51
31	EF	201	PEB	CMB-C2B-C3B	-2.25	120.00	126.12
31	RH	201	PEB	CAB-C3B-C4B	2.25	128.99	125.01
31	VJ	202	PEB	OD-C4D-C3D	-2.25	124.36	129.46
31	VC	201	PEB	CHA-C1B-C2B	2.25	130.69	124.90
31	UB	201	PEB	CHC-C1D-ND	-2.25	111.33	113.95
31	E8	201	PEB	CHC-C1D-ND	-2.25	111.33	113.95
31	h2	201	PEB	CAB-CBB-CGB	-2.25	108.76	113.60
31	R8	201	PEB	CAA-C3A-C2A	-2.25	108.64	114.26
31	UD	203	PEB	CAB-C3B-C4B	2.25	128.99	125.01
31	VA	202	PEB	OD-C4D-C3D	-2.25	124.36	129.46
31	fH	203	PEB	CMB-C2B-C1B	2.25	128.53	125.06
32	Q4	202	PUB	CMD-C2D-C3D	2.25	131.15	127.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	G7	203	PEB	CAB-CBB-CGB	-2.25	108.76	113.60
33	I2	201	CYC	CMC-C2C-C1C	-2.25	107.55	112.40
31	j2	203	PEB	OD-C4D-C3D	-2.25	124.36	129.46
31	fH	201	PEB	CAB-C3B-C4B	2.25	128.99	125.01
31	fH	202	PEB	CHA-C1B-NB	-2.25	120.23	124.93
31	WG	203	PEB	OD-C4D-C3D	-2.25	124.36	129.46
31	GJ	201	PEB	CAA-C3A-C4A	-2.25	106.90	112.67
31	fA	301	PEB	C1C-CHB-C4B	2.25	131.50	128.81
31	X8	203	PEB	C2B-C1B-NB	2.25	115.33	110.53
31	mD	202	PEB	CAB-CBB-CGB	-2.25	108.76	113.60
31	VF	202	PEB	CHA-C4A-NA	2.25	127.88	125.20
31	LK	202	PEB	CHA-C1B-NB	-2.25	120.23	124.93
33	y3	1001	CYC	CHA-C1A-NA	-2.25	125.71	128.83
33	GB	1001	CYC	CHB-C1B-NB	-2.25	121.23	126.06
31	i4	201	PEB	C3B-C4B-NB	2.25	113.32	110.05
31	T6	202	PEB	CAB-C3B-C4B	2.25	128.99	125.01
31	Q9	203	PEB	CBC-CAC-C2C	-2.25	108.78	112.62
31	WF	202	PEB	OD-C4D-C3D	-2.25	124.37	129.46
33	W3	1001	CYC	CAD-CBD-CGD	-2.25	107.46	113.76
33	KB	1001	CYC	CHB-C1B-NB	-2.25	121.23	126.06
31	L8	201	PEB	OD-C4D-C3D	-2.25	124.37	129.46
33	NC	1001	CYC	CMC-C2C-C1C	-2.25	107.56	112.40
31	YC	201	PEB	CAB-C3B-C4B	2.25	128.98	125.01
31	gF	201	PEB	CAB-C3B-C4B	2.25	128.98	125.01
31	lE	203	PEB	CMB-C2B-C1B	2.25	128.52	125.06
31	kD	201	PEB	CBC-CAC-C2C	2.25	116.45	112.62
31	F8	201	PEB	O2B-CGB-CBB	2.25	121.25	114.03
31	c6	201	PEB	CBC-CAC-C2C	-2.25	108.79	112.62
31	NA	201	PEB	C1B-C2B-C3B	-2.25	103.93	106.51
31	a2	202	PEB	C1B-C2B-C3B	-2.25	103.93	106.51
31	f4	202	PEB	CHA-C1B-NB	-2.25	120.23	124.93
31	mE	202	PEB	CAB-CBB-CGB	-2.25	108.77	113.60
31	UC	202	PEB	CAB-C3B-C4B	2.25	128.98	125.01
31	U9	203	PEB	CHA-C1B-NB	-2.25	120.24	124.93
31	AK	202	PEB	OD-C4D-C3D	-2.25	124.37	129.46
31	l2	203	PEB	C3B-C4B-NB	2.25	113.31	110.05
31	g4	201	PEB	CAB-C3B-C4B	2.25	128.98	125.01
31	OH	201	PEB	CHC-C1D-ND	-2.25	111.34	113.95
31	S6	201	PEB	CMD-C2D-C3D	2.24	133.23	130.06
31	a8	201	PEB	CMB-C2B-C1B	2.24	128.52	125.06
31	F5	203	PEB	C4B-NB-C1B	2.24	110.74	106.51
31	l2	201	PEB	OD-C4D-ND	-2.24	122.61	125.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	HB	1001	CYC	CAB-C3B-C2B	2.24	131.37	127.53
31	S1	202	PEB	C2B-C1B-NB	2.24	115.32	110.53
31	V8	202	PEB	C2B-C1B-NB	2.24	115.32	110.53
31	JI	201	PEB	CBC-CAC-C2C	-2.24	108.79	112.62
31	j8	201	PEB	C1B-C2B-C3B	-2.24	103.93	106.51
31	C4	202	PEB	C1C-CHB-C4B	-2.24	126.13	128.81
31	F9	203	PEB	CHC-C1D-ND	-2.24	111.34	113.95
31	O9	202	PEB	OD-C4D-C3D	-2.24	124.38	129.46
33	E6	1001	CYC	CHA-C1A-C2A	-2.24	120.14	125.32
31	ZE	201	PEB	CAB-C3B-C4B	2.24	128.98	125.01
31	NJ	204	PEB	CBA-CAA-C3A	-2.24	108.47	113.47
32	xF	306	PUB	CMD-C2D-C3D	2.24	131.13	127.77
31	DH	201	PEB	O2B-CGB-CBB	2.24	121.24	114.03
31	jC	203	PEB	OD-C4D-C3D	-2.24	124.38	129.46
31	U6	201	PEB	CHC-C1D-ND	-2.24	111.34	113.95
31	bD	202	PEB	CHB-C4B-C3B	-2.24	120.14	125.32
31	D4	201	PEB	O2B-CGB-CBB	2.24	121.24	114.03
31	K7	202	PEB	C2B-C1B-NB	2.24	115.32	110.53
31	FI	203	PEB	C1C-CHB-C4B	-2.24	126.13	128.81
31	S9	202	PEB	C1B-C2B-C3B	-2.24	103.93	106.51
31	hE	202	PEB	CBC-CAC-C2C	-2.24	108.79	112.62
31	X4	202	PEB	CAA-C3A-C2A	-2.24	108.66	114.26
31	b2	202	PEB	C3B-C4B-NB	2.24	113.31	110.05
31	pF	201	PEB	CAB-C3B-C4B	2.24	128.97	125.01
31	FH	202	PEB	CHA-C1B-NB	-2.24	120.24	124.93
31	g4	202	PEB	CBA-CAA-C3A	-2.24	108.48	113.47
31	G4	201	PEB	CAA-C3A-C2A	-2.24	108.66	114.26
31	M8	202	PEB	CHA-C1B-NB	-2.24	120.25	124.93
31	vF	201	PEB	CHA-C1B-NB	-2.24	120.25	124.93
31	P6	201	PEB	CAB-CBB-CGB	-2.24	108.78	113.60
31	LI	201	PEB	OA-C1A-C2A	-2.24	124.39	126.17
31	VJ	201	PEB	CAB-C3B-C4B	2.24	128.97	125.01
31	Q7	203	PEB	CAB-C3B-C4B	2.24	128.97	125.01
31	K8	203	PEB	C2B-C1B-NB	2.24	115.31	110.53
31	UI	202	PEB	C2A-C1A-NA	2.24	110.20	108.27
31	aF	203	PEB	CHB-C4B-C3B	-2.24	120.14	125.32
31	UG	201	PEB	OD-C4D-C3D	-2.24	124.38	129.46
31	dH	202	PEB	OD-C4D-C3D	-2.24	124.38	129.46
31	BF	201	PEB	CMB-C2B-C1B	2.24	128.51	125.06
31	D9	202	PEB	CMB-C2B-C1B	2.24	128.51	125.06
33	G6	1001	CYC	CHB-C1B-NB	-2.24	121.25	126.06
31	KH	201	PEB	CAA-C3A-C2A	-2.24	108.66	114.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	W8	201	PEB	CAA-C3A-C2A	2.24	119.86	114.26
31	hD	202	PEB	CBC-CAC-C2C	-2.24	108.80	112.62
31	KA	303	PEB	C4B-C3B-C2B	-2.24	104.30	106.78
31	R1	201	PEB	CAC-CBC-CGC	-2.24	107.48	113.76
31	AD	301	PEB	CAB-CBB-CGB	-2.24	108.78	113.60
31	H4	202	PEB	CHA-C1B-C2B	2.24	130.66	124.90
31	JI	203	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	W5	202	PEB	C1B-C2B-C3B	-2.24	103.94	106.51
31	Z6	201	PEB	C2A-C1A-NA	-2.24	106.34	108.27
31	jH	202	PEB	CHC-C1D-ND	2.24	116.55	113.95
31	KA	301	PEB	CAB-CBB-CGB	-2.24	108.78	113.60
31	LF	201	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	WH	202	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	Q8	203	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	YK	303	PEB	CBA-CAA-C3A	2.24	118.45	113.47
31	WI	202	PEB	CBB-CAB-C3B	2.24	118.85	112.63
33	D3	1001	CYC	C2C-C3C-C4C	2.24	104.69	101.34
31	PC	202	PEB	C1B-C2B-C3B	-2.24	103.94	106.51
31	bC	202	PEB	C3B-C4B-NB	2.24	113.31	110.05
32	yF	302	PUB	CAC-C2C-C1C	2.24	128.97	125.01
31	G5	201	PEB	CAA-C3A-C4A	-2.24	106.92	112.67
31	MA	201	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	O8	203	PEB	OD-C4D-C3D	-2.24	124.39	129.46
33	o3	1001	CYC	C2C-C1C-NC	2.24	110.20	108.27
31	G8	202	PEB	CMA-C2A-C3A	-2.24	104.80	113.83
33	D6	1001	CYC	CAD-CBD-CGD	-2.24	107.48	113.76
31	c2	201	PEB	CAB-CBB-CGB	-2.24	108.79	113.60
31	FG	202	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	d4	202	PEB	CMB-C2B-C1B	2.24	128.51	125.06
31	XF	203	PEB	C2B-C1B-NB	2.24	115.31	110.53
31	XH	201	PEB	CHA-C1B-C2B	2.24	130.66	124.90
31	Y7	502	PEB	C3B-C4B-NB	2.24	113.31	110.05
31	Y1	302	PEB	CHB-C4B-C3B	2.24	130.49	125.32
31	R1	203	PEB	CHA-C1B-NB	-2.24	120.25	124.93
31	e8	201	PEB	CAB-C3B-C4B	2.24	128.97	125.01
31	MA	202	PEB	CHC-C4C-C3C	-2.24	126.52	130.34
31	RK	203	PEB	O1B-CGB-CBB	-2.24	115.89	123.08
33	n3	1001	CYC	C2C-C1C-NC	2.24	110.20	108.27
31	UI	202	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	WI	202	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	N8	201	PEB	CMA-C2A-C1A	-2.24	107.58	112.40
31	RK	203	PEB	CHA-C1B-NB	-2.24	120.25	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	gE	201	PEB	CHB-C4B-C3B	-2.24	120.15	125.32
32	x8	306	PUB	CMD-C2D-C3D	2.24	131.12	127.77
31	Q9	201	PEB	CHC-C1D-ND	-2.24	111.35	113.95
31	aC	202	PEB	C1B-C2B-C3B	-2.24	103.94	106.51
33	D3	1001	CYC	C2C-C1C-NC	2.24	110.20	108.27
31	kB	201	PEB	CMB-C2B-C1B	2.24	128.51	125.06
31	P1	202	PEB	CHA-C4A-NA	2.24	127.86	125.20
31	g8	201	PEB	OD-C4D-C3D	-2.24	124.39	129.46
31	F4	201	PEB	CAB-CBB-CGB	-2.24	108.79	113.60
31	h8	201	PEB	CHA-C1B-C2B	2.24	130.65	124.90
33	I3	1001	CYC	C2C-C3C-C4C	2.24	104.69	101.34
31	ZG	401	PEB	O1C-CGC-CBC	-2.24	115.90	123.08
31	H1	203	PEB	CAC-CBC-CGC	-2.24	107.49	113.76
31	cC	202	PEB	C1B-C2B-C3B	-2.24	103.94	106.51
31	K4	203	PEB	CMA-C2A-C1A	-2.24	107.58	112.40
31	IA	201	PEB	OD-C4D-C3D	-2.24	124.40	129.46
33	U3	1001	CYC	C2C-C1C-NC	2.24	110.20	108.27
31	P4	201	PEB	CAB-CBB-CGB	-2.24	108.79	113.60
31	WC	202	PEB	OA-C1A-C2A	-2.23	124.40	126.17
31	HK	201	PEB	C3B-C4B-NB	2.23	113.30	110.05
31	V2	203	PEB	OD-C4D-C3D	-2.23	124.40	129.46
31	m8	201	PEB	CHC-C1D-ND	-2.23	111.35	113.95
31	SK	202	PEB	C2B-C1B-NB	2.23	115.30	110.53
31	TJ	202	PEB	CHB-C4B-C3B	-2.23	120.16	125.32
31	jH	201	PEB	CAA-C3A-C2A	-2.23	108.68	114.26
31	QE	201	PEB	CMB-C2B-C1B	2.23	128.50	125.06
31	h4	203	PEB	CMB-C2B-C1B	2.23	128.50	125.06
31	fC	203	PEB	CAB-C3B-C4B	2.23	128.96	125.01
31	T5	202	PEB	CHB-C4B-C3B	-2.23	120.16	125.32
31	WJ	201	PEB	C2A-C1A-NA	2.23	110.20	108.27
31	H4	202	PEB	C2A-C1A-NA	2.23	110.20	108.27
31	R9	201	PEB	CBB-CAB-C3B	-2.23	106.42	112.63
31	W9	202	PEB	CAB-C3B-C4B	2.23	128.96	125.01
31	T5	202	PEB	CHB-C4B-NB	-2.23	125.73	128.83
31	UG	201	PEB	CHA-C1B-NB	-2.23	120.26	124.93
31	p8	202	PEB	OD-C4D-C3D	-2.23	124.40	129.46
31	yF	301	PEB	CAB-C3B-C4B	2.23	128.96	125.01
32	N5	201	PUB	CAC-C2C-C1C	2.23	128.96	125.01
31	TA	202	PEB	C2B-C1B-NB	2.23	115.30	110.53
31	ZA	201	PEB	CHA-C1B-NB	-2.23	120.26	124.93
31	A4	301	PEB	CHC-C1D-ND	-2.23	111.35	113.95
31	a2	202	PEB	C2A-C1A-NA	2.23	110.20	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	E4	203	PEB	CHA-C1B-NB	-2.23	120.26	124.93
31	HA	201	PEB	CHA-C1B-NB	-2.23	120.26	124.93
31	k8	202	PEB	C3B-C4B-NB	2.23	113.30	110.05
31	a2	202	PEB	CHC-C4C-C3C	-2.23	126.53	130.34
31	DA	203	PEB	OD-C4D-ND	-2.23	122.62	125.93
31	gA	203	PEB	CBA-CAA-C3A	2.23	118.44	113.47
31	a8	203	PEB	CHB-C4B-C3B	-2.23	120.17	125.32
32	A6	303	PUB	CBA-CAA-C3A	-2.23	109.59	112.98
31	L1	202	PEB	CHA-C1B-NB	-2.23	120.27	124.93
31	fC	203	PEB	OD-C4D-ND	-2.23	122.62	125.93
31	U9	202	PEB	C2B-C1B-NB	2.23	115.29	110.53
31	QI	202	PEB	CBA-CAA-C3A	-2.23	108.50	113.47
31	TB	202	PEB	CAB-C3B-C4B	2.23	128.95	125.01
31	IH	201	PEB	C2B-C1B-NB	2.23	115.29	110.53
33	K6	1001	CYC	CHB-C1B-NB	-2.23	121.27	126.06
31	ZF	201	PEB	CHA-C1B-C2B	2.23	130.63	124.90
31	QG	201	PEB	OD-C4D-C3D	-2.23	124.41	129.46
31	KF	203	PEB	C2B-C1B-NB	2.23	115.29	110.53
31	L2	1002	PEB	OD-C4D-ND	-2.23	122.63	125.93
31	N5	203	PEB	OD-C4D-C3D	-2.23	124.41	129.46
31	NG	203	PEB	C2B-C1B-NB	2.23	115.29	110.53
31	cF	201	PEB	C2B-C1B-NB	2.23	115.29	110.53
31	F6	1002	PEB	OD-C4D-C3D	-2.23	124.41	129.46
31	b2	202	PEB	CHA-C1B-C2B	2.23	130.63	124.90
31	O2	201	PEB	C2B-C1B-NB	2.23	115.29	110.53
33	d3	1001	CYC	C2C-C3C-C4C	2.23	104.68	101.34
31	wF	301	PEB	C2A-C1A-NA	2.23	110.19	108.27
33	I3	1001	CYC	C2C-C1C-NC	2.23	110.19	108.27
33	q3	1001	CYC	C2C-C1C-NC	2.23	110.19	108.27
31	M8	201	PEB	CHA-C1B-NB	-2.23	120.27	124.93
31	kH	201	PEB	OD-C4D-C3D	-2.23	124.41	129.46
31	OI	203	PEB	CAB-C3B-C4B	2.23	128.95	125.01
31	U2	202	PEB	CAB-C3B-C4B	2.23	128.95	125.01
31	WE	202	PEB	CHB-C4B-NB	-2.23	125.74	128.83
33	Q3	1001	CYC	C2C-C3C-C4C	2.23	104.68	101.34
31	UA	301	PEB	CHA-C1B-C2B	2.23	130.63	124.90
31	T7	201	PEB	OD-C4D-C3D	-2.23	124.41	129.46
31	c2	202	PEB	C1B-C2B-C3B	-2.23	103.95	106.51
31	KH	202	PEB	OD-C4D-ND	-2.23	122.63	125.93
31	GJ	201	PEB	CHC-C4C-C3C	-2.23	126.54	130.34
31	p8	202	PEB	CHB-C4B-C3B	-2.23	120.17	125.32
33	73	1002	CYC	CMA-C3A-C2A	-2.23	120.07	126.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	V9	201	PEB	CBB-CAB-C3B	-2.23	106.44	112.63
31	I1	202	PEB	CHA-C1B-NB	-2.23	120.27	124.93
31	dF	202	PEB	CMA-C2A-C1A	-2.23	107.60	112.40
31	TA	201	PEB	CHB-C4B-C3B	-2.23	120.18	125.32
31	HK	202	PEB	OD-C4D-C3D	-2.23	124.42	129.46
31	P7	202	PEB	OD-C4D-C3D	-2.23	124.42	129.46
31	g8	201	PEB	CAB-C3B-C4B	2.23	128.95	125.01
31	C4	203	PEB	CAA-C3A-C4A	-2.23	106.96	112.67
31	GF	202	PEB	CMA-C2A-C3A	-2.23	104.85	113.83
31	H9	202	PEB	CHA-C4A-NA	-2.23	122.56	125.20
31	WF	202	PEB	C2A-C1A-NA	2.23	110.19	108.27
31	V5	203	PEB	CBD-CAD-C3D	-2.23	116.55	127.62
31	N9	201	PEB	CBB-CAB-C3B	-2.23	106.44	112.63
31	KE	201	PEB	CAB-C3B-C4B	2.23	128.94	125.01
31	PC	201	PEB	C2B-C1B-NB	2.23	115.28	110.53
31	X9	201	PEB	CBB-CAB-C3B	-2.23	106.44	112.63
31	MH	202	PEB	CAB-CBB-CGB	-2.22	108.81	113.60
31	cC	201	PEB	CAB-CBB-CGB	-2.22	108.81	113.60
32	AD	303	PUB	CAC-CBC-CGC	-2.22	108.81	113.60
33	w3	1001	CYC	C2C-C1C-NC	2.22	110.19	108.27
31	g2	202	PEB	CAB-C3B-C4B	2.22	128.94	125.01
31	MI	301	PEB	CAC-CBC-CGC	-2.22	107.52	113.76
31	I5	202	PEB	CBB-CAB-C3B	2.22	118.81	112.63
31	Q9	203	PEB	CHA-C4A-NA	-2.22	122.56	125.20
31	r8	202	PEB	C4B-C3B-C2B	-2.22	104.32	106.78
31	C4	201	PEB	CHA-C1B-C2B	2.22	130.62	124.90
31	VF	202	PEB	C2B-C1B-NB	2.22	115.28	110.53
31	HK	203	PEB	CAC-CBC-CGC	-2.22	107.52	113.76
31	IJ	202	PEB	CBB-CAB-C3B	2.22	118.81	112.63
33	h3	1001	CYC	C2C-C3C-C4C	2.22	104.67	101.34
31	WE	202	PEB	OD-C4D-C3D	-2.22	124.42	129.46
31	j8	202	PEB	CHC-C1D-ND	-2.22	111.36	113.95
31	E9	201	PEB	CBB-CAB-C3B	-2.22	106.45	112.63
31	UJ	201	PEB	CAB-CBB-CGB	-2.22	108.82	113.60
31	p8	202	PEB	C1B-C2B-C3B	-2.22	103.95	106.51
31	W2	202	PEB	OD-C4D-C3D	-2.22	124.42	129.46
31	v8	201	PEB	OD-C4D-C3D	-2.22	124.42	129.46
31	JA	202	PEB	C2B-C1B-NB	2.22	115.27	110.53
33	k3	1001	CYC	C2C-C3C-C4C	2.22	104.67	101.34
31	C9	201	PEB	CBB-CAB-C3B	-2.22	106.45	112.63
31	G9	201	PEB	CBB-CAB-C3B	-2.22	106.45	112.63
31	UC	201	PEB	C3B-C4B-NB	2.22	113.28	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y8	203	PEB	CMA-C2A-C1A	-2.22	107.61	112.40
31	eC	202	PEB	CHA-C1B-C2B	2.22	130.62	124.90
31	WA	402	PEB	CMA-C2A-C1A	-2.22	107.61	112.40
31	U1	201	PEB	CMA-C2A-C1A	-2.22	107.61	112.40
31	W5	201	PEB	CMA-C2A-C1A	-2.22	107.61	112.40
32	x8	306	PUB	CHC-C1D-ND	-2.22	110.91	113.72
31	YG	201	PEB	OD-C4D-C3D	-2.22	124.43	129.46
31	HJ	201	PEB	CHC-C1D-ND	-2.22	111.37	113.95
31	H5	202	PEB	CAB-CBB-CGB	-2.22	108.82	113.60
31	qF	202	PEB	OD-C4D-C3D	-2.22	124.43	129.46
31	FK	202	PEB	C2B-C1B-NB	2.22	115.27	110.53
31	Y1	303	PEB	CBA-CAA-C3A	2.22	118.41	113.47
31	P9	201	PEB	CBB-CAB-C3B	-2.22	106.45	112.63
31	T9	201	PEB	CBB-CAB-C3B	-2.22	106.45	112.63
31	XH	202	PEB	CAA-C3A-C2A	-2.22	108.71	114.26
31	t8	201	PEB	CMA-C2A-C1A	-2.22	107.61	112.40
31	mB	203	PEB	CAB-CBB-CGB	2.22	118.38	113.60
31	AJ	302	PEB	CAC-CBC-CGC	-2.22	107.53	113.76
33	DB	1001	CYC	CAD-CBD-CGD	-2.22	107.53	113.76
31	P2	201	PEB	C2B-C1B-NB	2.22	115.27	110.53
31	S4	202	PEB	OD-C4D-ND	-2.22	122.64	125.93
31	Z9	301	PEB	CMD-C2D-C3D	2.22	133.20	130.06
31	O4	202	PEB	CAB-C3B-C4B	2.22	128.94	125.01
33	w3	1001	CYC	C2C-C3C-C4C	2.22	104.67	101.34
31	jF	201	PEB	CAA-C3A-C2A	-2.22	108.71	114.26
31	IA	202	PEB	OD-C4D-ND	-2.22	122.64	125.93
31	A1	202	PEB	OD-C4D-C3D	-2.22	124.43	129.46
31	QE	203	PEB	CHB-C4B-C3B	-2.22	120.19	125.32
31	XK	203	PEB	C2A-C1A-NA	2.22	110.19	108.27
31	L9	201	PEB	C4B-C3B-C2B	-2.22	104.33	106.78
31	GF	203	PEB	C1B-C2B-C3B	-2.22	103.96	106.51
31	Q5	201	PEB	C1B-C2B-C3B	-2.22	103.96	106.51
33	U3	1001	CYC	C2C-C3C-C4C	2.22	104.66	101.34
31	V4	202	PEB	O2B-CGB-CBB	2.22	121.16	114.03
31	P1	203	PEB	OD-C4D-ND	-2.22	122.64	125.93
31	OE	202	PEB	OD-C4D-C3D	-2.22	124.43	129.46
31	RK	201	PEB	CAC-CBC-CGC	-2.22	107.54	113.76
33	u3	1001	CYC	C2C-C3C-C4C	2.22	104.66	101.34
33	63	901	CYC	CAA-C2A-C1A	2.22	128.93	125.01
31	P6	203	PEB	CAC-CBC-CGC	-2.22	107.54	113.76
31	x8	303	PEB	OD-C4D-ND	-2.22	122.64	125.93
31	AE	301	PEB	CAB-CBB-CGB	-2.22	108.83	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	FB	1002	PEB	CHA-C1B-NB	-2.22	120.29	124.93
31	V8	202	PEB	CHA-C4A-NA	2.22	127.84	125.20
31	d2	202	PEB	CHC-C1D-ND	-2.22	111.37	113.95
31	H9	203	PEB	C2A-C1A-NA	2.22	110.19	108.27
31	fE	201	PEB	C2B-C1B-NB	2.22	115.26	110.53
31	N7	201	PEB	CMB-C2B-C1B	2.22	128.48	125.06
31	IF	201	PEB	C1C-CHB-C4B	2.22	131.46	128.81
33	J6	1001	CYC	CBD-CAD-C3D	-2.22	108.84	112.62
31	UJ	202	PEB	OD-C4D-C3D	-2.22	124.44	129.46
33	M3	1001	CYC	C2C-C3C-C4C	2.22	104.66	101.34
31	G8	203	PEB	O2C-CGC-CBC	2.22	121.15	114.03
32	AE	303	PUB	CAC-CBC-CGC	-2.22	108.83	113.60
31	BA	201	PEB	CHA-C1B-C2B	2.22	130.60	124.90
31	VK	202	PEB	CMB-C2B-C1B	2.22	128.48	125.06
31	w8	301	PEB	CHA-C1B-NB	-2.22	120.30	124.93
31	YG	202	PEB	CBC-CAC-C2C	-2.22	108.84	112.62
31	J5	201	PEB	CBD-CAD-C3D	-2.22	116.59	127.62
31	pF	202	PEB	CHC-C1D-ND	-2.22	111.37	113.95
31	DJ	203	PEB	CHC-C4C-C3C	-2.22	126.56	130.34
33	B3	1001	CYC	C2C-C3C-C4C	2.22	104.66	101.34
31	pF	202	PEB	CHB-C4B-C3B	-2.22	120.20	125.32
31	KJ	201	PEB	CHA-C1B-NB	-2.22	120.30	124.93
31	PH	202	PEB	CAB-C3B-C4B	2.22	128.93	125.01
31	M9	303	PEB	CHA-C4A-NA	-2.22	122.57	125.20
32	wF	304	PUB	CAC-CBC-CGC	-2.22	108.83	113.60
31	UE	203	PEB	CHC-C1D-ND	-2.22	111.37	113.95
31	V1	203	PEB	CMB-C2B-C1B	2.22	128.48	125.06
31	DJ	201	PEB	OD-C4D-ND	-2.22	122.65	125.93
31	B9	203	PEB	CHA-C4A-NA	-2.22	122.57	125.20
31	I9	201	PEB	CBB-CAB-C3B	-2.22	106.47	112.63
31	L7	201	PEB	CAB-C3B-C4B	2.22	128.93	125.01
31	CJ	202	PEB	OD-C4D-C3D	-2.22	124.44	129.46
31	T5	203	PEB	CMB-C2B-C1B	2.21	128.47	125.06
31	dH	201	PEB	CHA-C1B-NB	-2.21	120.30	124.93
31	I8	203	PEB	C2B-C1B-NB	2.21	115.26	110.53
31	f4	203	PEB	CAA-C3A-C4A	-2.21	106.99	112.67
31	U5	202	PEB	OD-C4D-C3D	-2.21	124.44	129.46
31	R8	202	PEB	C2B-C1B-NB	2.21	115.25	110.53
33	J2	1001	CYC	C2C-C1C-NC	2.21	110.18	108.27
31	TF	202	PEB	CHC-C4C-C3C	2.21	134.11	130.34
31	d8	201	PEB	CAA-C3A-C2A	-2.21	108.73	114.26
31	IG	203	PEB	CHC-C1D-ND	2.21	116.52	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OC	203	PEB	OD-C4D-C3D	-2.21	124.44	129.46
31	PE	201	PEB	CAA-C3A-C4A	-2.21	106.99	112.67
31	d6	201	PEB	C4B-NB-C1B	-2.21	102.34	106.51
31	cA	402	PEB	OD-C4D-C3D	-2.21	124.45	129.46
32	A5	303	PUB	CMD-C2D-C3D	2.21	131.09	127.77
33	j3	1001	CYC	C2C-C3C-C4C	2.21	104.65	101.34
31	A9	201	PEB	CBB-CAB-C3B	-2.21	106.48	112.63
31	WF	201	PEB	C2B-C1B-NB	2.21	115.25	110.53
31	JA	201	PEB	CHB-C4B-C3B	-2.21	120.21	125.32
33	EB	1001	CYC	CHA-C1A-C2A	-2.21	120.21	125.32
31	A5	302	PEB	CAC-CBC-CGC	-2.21	107.56	113.76
31	RF	202	PEB	OD-C4D-ND	-2.21	122.65	125.93
31	WC	203	PEB	C3B-C4B-NB	2.21	113.27	110.05
31	XA	202	PEB	CMC-C3C-C2C	-2.21	120.77	124.94
31	W7	202	PEB	OA-C1A-C2A	-2.21	124.41	126.17
31	R8	202	PEB	C4B-NB-C1B	-2.21	102.34	106.51
33	f3	1001	CYC	C2C-C1C-NC	2.21	110.18	108.27
31	F9	201	PEB	OD-C4D-C3D	-2.21	124.45	129.46
33	n3	1001	CYC	C2C-C3C-C4C	2.21	104.65	101.34
31	RC	201	PEB	CAB-C3B-C4B	2.21	128.92	125.01
31	gC	202	PEB	CAB-C3B-C4B	2.21	128.92	125.01
31	B7	201	PEB	OD-C4D-C3D	-2.21	124.45	129.46
31	d8	202	PEB	CMA-C2A-C1A	-2.21	107.64	112.40
33	63	901	CYC	C2A-C1A-NA	2.21	113.27	110.05
31	UI	204	PEB	CHB-C4B-C3B	2.21	130.43	125.32
31	OC	201	PEB	C2B-C1B-NB	2.21	115.25	110.53
31	hD	202	PEB	CHA-C1B-NB	-2.21	120.31	124.93
31	kH	202	PEB	OD-C4D-C3D	-2.21	124.45	129.46
31	WI	203	PEB	OD-C4D-C3D	-2.21	124.45	129.46
31	N7	202	PEB	C1C-CHB-C4B	-2.21	126.17	128.81
33	H3	1001	CYC	C2C-C3C-C4C	2.21	104.65	101.34
31	JJ	201	PEB	CBD-CAD-C3D	-2.21	116.62	127.62
31	C5	202	PEB	CMA-C2A-C1A	-2.21	107.64	112.40
31	W4	201	PEB	CAB-CBB-CGB	-2.21	108.85	113.60
31	TC	202	PEB	CHC-C4C-C3C	-2.21	126.57	130.34
31	y8	301	PEB	CAB-C3B-C4B	2.21	128.92	125.01
31	J6	1002	PEB	C1B-C2B-C3B	-2.21	103.97	106.51
31	U2	201	PEB	C3B-C4B-NB	2.21	113.26	110.05
31	KA	303	PEB	OD-C4D-C3D	-2.21	124.45	129.46
31	mH	201	PEB	OD-C4D-C3D	-2.21	124.45	129.46
31	GF	202	PEB	CHB-C4B-NB	-2.21	125.76	128.83
33	q3	1001	CYC	C2C-C3C-C4C	2.21	104.65	101.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	K5	202	PEB	CHA-C1B-C2B	2.21	130.58	124.90
31	M5	201	PEB	C4B-C3B-C2B	-2.21	104.34	106.78
31	cD	202	PEB	CAB-C3B-C4B	2.21	128.92	125.01
31	h8	201	PEB	C2A-C1A-NA	2.21	110.18	108.27
31	dF	202	PEB	C2A-C1A-NA	2.21	110.18	108.27
31	gD	201	PEB	CHB-C4B-C3B	-2.21	120.22	125.32
31	G8	203	PEB	C1B-C2B-C3B	-2.21	103.97	106.51
33	o3	1001	CYC	C2C-C3C-C4C	2.21	104.65	101.34
31	vF	201	PEB	OD-C4D-C3D	-2.21	124.46	129.46
31	LJ	202	PEB	C1C-CHB-C4B	2.21	131.45	128.81
31	V2	203	PEB	CHA-C1B-NB	-2.21	120.31	124.93
31	Z4	202	PEB	CHA-C1B-NB	-2.21	120.31	124.93
31	P1	201	PEB	C4B-C3B-C2B	-2.21	104.34	106.78
31	NF	201	PEB	CMA-C2A-C1A	-2.21	107.64	112.40
31	VH	201	PEB	CAB-CBB-CGB	-2.21	108.85	113.60
31	M9	301	PEB	CMD-C2D-C3D	2.21	133.18	130.06
33	S3	1001	CYC	C2C-C3C-C4C	2.21	104.65	101.34
31	hB	201	PEB	CBA-CAA-C3A	-2.21	108.55	113.47
31	L5	202	PEB	C1C-CHB-C4B	2.21	131.45	128.81
31	ZG	401	PEB	C2A-C3A-C4A	2.21	104.64	101.34
33	f3	1001	CYC	C2C-C3C-C4C	2.21	104.64	101.34
31	T1	201	PEB	CMC-C3C-C2C	2.21	129.10	124.94
31	QD	203	PEB	CHB-C4B-C3B	-2.21	120.22	125.32
31	D4	201	PEB	C1B-C2B-C3B	-2.21	103.97	106.51
31	Q2	201	PEB	CAC-CBC-CGC	-2.21	107.57	113.76
31	E5	202	PEB	OD-C4D-ND	-2.21	122.66	125.93
31	eC	201	PEB	CAB-C3B-C4B	2.21	128.91	125.01
31	S4	202	PEB	CMC-C3C-C2C	2.21	129.10	124.94
31	E4	203	PEB	CHC-C1D-ND	-2.21	111.39	113.95
32	A4	303	PUB	CHA-C4A-NA	-2.21	111.39	113.95
31	SB	202	PEB	CAB-C3B-C4B	2.21	128.91	125.01
31	q8	203	PEB	C1B-C2B-C3B	-2.21	103.97	106.51
31	CJ	202	PEB	CMA-C2A-C1A	-2.21	107.65	112.40
31	hH	202	PEB	CAB-CBB-CGB	-2.21	108.86	113.60
31	SK	202	PEB	CHA-C1B-NB	-2.21	120.32	124.93
31	S1	202	PEB	CHA-C1B-NB	-2.21	120.32	124.93
31	FC	1002	PEB	CMB-C2B-C1B	2.21	128.46	125.06
31	VK	203	PEB	CMB-C2B-C1B	2.21	128.46	125.06
31	TF	201	PEB	C1B-C2B-C3B	-2.21	103.98	106.51
31	WG	203	PEB	CAB-C3B-C4B	2.21	128.91	125.01
31	hE	202	PEB	CHA-C1B-NB	-2.20	120.32	124.93
31	OD	202	PEB	OD-C4D-C3D	-2.20	124.47	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	d2	202	PEB	OA-C1A-C2A	-2.20	124.42	126.17
31	j4	203	PEB	CAA-C3A-C4A	-2.20	107.01	112.67
31	HA	202	PEB	CHA-C1B-NB	-2.20	120.32	124.93
31	C5	202	PEB	OD-C4D-C3D	-2.20	124.47	129.46
31	GH	202	PEB	CMB-C2B-C1B	2.20	128.46	125.06
31	OF	203	PEB	C2B-C1B-NB	2.20	115.23	110.53
31	j4	201	PEB	CHA-C4A-NA	2.20	127.83	125.20
33	M6	1001	CYC	CBC-CAC-C3C	-2.20	108.56	113.47
31	KJ	202	PEB	CHA-C1B-C2B	2.20	130.57	124.90
31	cE	202	PEB	CAB-C3B-C4B	2.20	128.91	125.01
31	IF	203	PEB	C2B-C1B-NB	2.20	115.23	110.53
31	A6	301	PEB	CAC-CBC-CGC	-2.20	107.58	113.76
33	JC	1001	CYC	CBB-CAB-C3B	-2.20	106.36	112.43
31	W8	202	PEB	C2A-C1A-NA	2.20	110.17	108.27
31	F1	202	PEB	C2B-C1B-NB	2.20	115.23	110.53
31	fE	201	PEB	CAA-C3A-C4A	-2.20	107.02	112.67
31	TJ	203	PEB	CMB-C2B-C1B	2.20	128.46	125.06
31	L5	201	PEB	CAB-CBB-CGB	-2.20	108.86	113.60
31	UD	203	PEB	CHC-C1D-ND	-2.20	111.39	113.95
31	UI	202	PEB	CMB-C2B-C1B	2.20	128.46	125.06
33	N2	1001	CYC	C1B-NB-C4B	-2.20	107.86	110.67
31	D9	203	PEB	CAC-CBC-CGC	-2.20	107.59	113.76
31	V1	202	PEB	OD-C4D-C3D	-2.20	124.47	129.46
31	NK	203	PEB	CMA-C2A-C1A	-2.20	107.66	112.40
31	fF	202	PEB	C1C-CHB-C4B	2.20	131.44	128.81
31	e2	201	PEB	CAB-C3B-C4B	2.20	128.90	125.01
31	V2	201	PEB	CBB-CAB-C3B	2.20	118.74	112.63
31	H8	201	PEB	CBC-CAC-C2C	-2.20	108.86	112.62
31	RF	202	PEB	C2B-C1B-NB	2.20	115.23	110.53
31	e2	202	PEB	CHA-C1B-C2B	2.20	130.56	124.90
31	JK	201	PEB	CAB-CBB-CGB	-2.20	108.87	113.60
33	H6	1001	CYC	CAB-C3B-C2B	2.20	131.29	127.53
33	F3	1001	CYC	C2C-C3C-C4C	2.20	104.64	101.34
31	BA	202	PEB	CAB-C3B-C4B	2.20	128.90	125.01
31	FB	1002	PEB	OD-C4D-C3D	-2.20	124.47	129.46
31	WH	203	PEB	C2B-C1B-NB	2.20	115.22	110.53
31	GG	201	PEB	CBA-CAA-C3A	-2.20	108.57	113.47
31	C8	203	PEB	CHC-C1D-ND	-2.20	111.39	113.95
31	KH	201	PEB	CHA-C1B-C2B	2.20	130.56	124.90
31	K9	201	PEB	CBB-CAB-C3B	-2.20	106.51	112.63
31	uF	203	PEB	CMB-C2B-C1B	2.20	128.45	125.06
31	NJ	203	PEB	OD-C4D-C3D	-2.20	124.48	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	DH	201	PEB	C1B-C2B-C3B	-2.20	103.98	106.51
31	J4	202	PEB	C1B-C2B-C3B	-2.20	103.98	106.51
31	MA	201	PEB	CHA-C1B-C2B	2.20	130.56	124.90
31	QC	201	PEB	CAC-CBC-CGC	-2.20	107.59	113.76
31	IK	202	PEB	CHA-C1B-NB	-2.20	120.33	124.93
31	N1	203	PEB	CMA-C2A-C1A	-2.20	107.66	112.40
31	H4	202	PEB	CMB-C2B-C1B	2.20	128.45	125.06
31	H1	202	PEB	OD-C4D-C3D	-2.20	124.48	129.46
33	K2	201	CYC	CHA-C1A-NA	-2.20	125.78	128.83
31	yF	301	PEB	CAB-CBB-CGB	-2.20	108.87	113.60
31	BG	201	PEB	OD-C4D-C3D	-2.20	124.48	129.46
31	J7	201	PEB	CHA-C4A-NA	2.20	127.82	125.20
31	m6	203	PEB	CAB-CBB-CGB	2.20	118.33	113.60
31	LJ	202	PEB	OA-C1A-C2A	-2.20	124.42	126.17
31	GH	203	PEB	C2B-C1B-NB	2.20	115.22	110.53
31	O8	203	PEB	C2B-C1B-NB	2.20	115.22	110.53
31	c8	201	PEB	C2B-C1B-NB	2.20	115.22	110.53
33	L3	1001	CYC	C2C-C3C-C4C	2.20	104.63	101.34
33	O3	1001	CYC	C2C-C3C-C4C	2.20	104.63	101.34
31	BK	201	PEB	CHA-C4A-NA	2.20	127.82	125.20
31	F9	203	PEB	CHA-C4A-NA	-2.20	122.59	125.20
31	UH	201	PEB	C2B-C1B-NB	2.20	115.22	110.53
31	J9	203	PEB	C1C-CHB-C4B	-2.20	126.18	128.81
31	YJ	202	PEB	OD-C4D-ND	-2.20	122.67	125.93
31	KF	202	PEB	OA-C1A-C2A	-2.20	124.43	126.17
31	P7	201	PEB	C2B-C1B-NB	2.20	115.22	110.53
31	W8	201	PEB	C2B-C1B-NB	2.20	115.22	110.53
31	qF	201	PEB	CAB-C3B-C4B	2.20	128.90	125.01
31	l6	202	PEB	C3B-C4B-NB	2.20	113.25	110.05
31	fD	201	PEB	CAA-C3A-C4A	-2.20	107.03	112.67
31	gC	202	PEB	CMB-C2B-C1B	2.20	128.45	125.06
31	VI	201	PEB	CAB-C3B-C4B	2.20	128.89	125.01
31	zF	501	PEB	CAC-CBC-CGC	2.20	119.92	113.76
31	JG	202	PEB	CHB-C4B-C3B	-2.20	120.25	125.32
31	GH	201	PEB	OD-C4D-C3D	-2.20	124.48	129.46
31	WH	203	PEB	OD-C4D-C3D	-2.20	124.48	129.46
31	N5	204	PEB	CBA-CAA-C3A	-2.20	108.58	113.47
31	YD	202	PEB	CAC-C2C-C3C	2.20	133.56	127.25
31	W2	203	PEB	CAB-C3B-C4B	2.20	128.89	125.01
31	X1	203	PEB	C2A-C1A-NA	2.20	110.17	108.27
31	L5	201	PEB	C3B-C4B-NB	2.20	113.24	110.05
31	C8	202	PEB	CAC-CBC-CGC	2.20	119.91	113.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	KH	203	PEB	CAB-C3B-C4B	2.20	128.89	125.01
31	N7	201	PEB	CAB-C3B-C4B	2.20	128.89	125.01
31	JI	203	PEB	CAA-C3A-C4A	2.20	118.31	112.67
31	U7	202	PEB	C3B-C4B-NB	2.20	113.24	110.05
31	LH	202	PEB	CHA-C1B-NB	-2.19	120.34	124.93
32	A4	304	PUB	CBA-CAA-C3A	-2.19	109.65	112.98
31	mE	203	PEB	CHC-C1D-ND	-2.19	111.40	113.95
31	C4	203	PEB	OD-C4D-C3D	-2.19	124.49	129.46
31	VJ	203	PEB	CBD-CAD-C3D	-2.19	116.70	127.62
31	U2	202	PEB	C2B-C1B-NB	2.19	115.21	110.53
31	Y9	201	PEB	C2B-C1B-NB	2.19	115.21	110.53
31	BF	201	PEB	CMA-C2A-C1A	-2.19	107.67	112.40
31	cE	201	PEB	CAB-CBB-CGB	-2.19	108.88	113.60
31	NI	201	PEB	CAB-C3B-C4B	2.19	128.89	125.01
32	A2	303	PUB	CAC-C2C-C1C	2.19	128.89	125.01
31	U2	202	PEB	CMB-C2B-C1B	2.19	128.44	125.06
31	FI	202	PEB	C2B-C1B-NB	2.19	115.21	110.53
31	rF	201	PEB	CBC-CAC-C2C	-2.19	108.88	112.62
33	I6	1001	CYC	CHB-C1B-NB	-2.19	121.35	126.06
32	xF	306	PUB	CHA-C1B-C2B	-2.19	126.60	130.34
31	Q8	202	PEB	CAA-C3A-C4A	-2.19	107.04	112.67
31	E4	201	PEB	C2B-C1B-NB	2.19	115.21	110.53
31	NH	201	PEB	CMA-C2A-C1A	-2.19	107.68	112.40
31	W4	201	PEB	C3B-C4B-NB	2.19	113.24	110.05
31	K8	202	PEB	OA-C1A-C2A	-2.19	124.43	126.17
31	F4	201	PEB	CHA-C1B-NB	-2.19	120.35	124.93
31	WH	201	PEB	CAB-CBB-CGB	-2.19	108.89	113.60
31	g4	202	PEB	CAA-C3A-C4A	2.19	118.30	112.67
31	TK	201	PEB	CMC-C3C-C2C	2.19	129.07	124.94
31	CJ	202	PEB	C2B-C1B-NB	2.19	115.21	110.53
31	k2	202	PEB	OA-C1A-NA	2.19	127.60	124.94
33	73	1001	CYC	C2C-C3C-C4C	2.19	104.62	101.34
31	U6	201	PEB	CMA-C2A-C3A	-2.19	104.99	113.83
31	K8	203	PEB	O2C-CGC-CBC	2.19	121.07	114.03
32	xF	301	PUB	CBD-CAD-C3D	-2.19	106.39	112.43
31	b8	202	PEB	CHC-C4C-C3C	2.19	134.07	130.34
31	YE	202	PEB	CAC-C2C-C3C	2.19	133.54	127.25
31	iF	202	PEB	O2C-CGC-CBC	2.19	121.07	114.03
31	U1	202	PEB	CHA-C1B-NB	-2.19	120.35	124.93
31	z8	501	PEB	CAC-CBC-CGC	2.19	119.90	113.76
31	S9	201	PEB	CAC-C2C-C3C	2.19	133.54	127.25
31	JB	1002	PEB	C1B-C2B-C3B	-2.19	103.99	106.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O9	203	PEB	CAC-CBC-CGC	-2.19	107.62	113.76
31	UD	201	PEB	CAB-CBB-CGB	-2.19	108.89	113.60
31	DD	1002	PEB	OD-C4D-ND	-2.19	122.69	125.93
31	Q4	201	PEB	OD-C4D-C3D	-2.19	124.50	129.46
31	SC	201	PEB	CAB-C3B-C4B	2.19	128.88	125.01
31	PE	202	PEB	CMA-C2A-C1A	-2.19	107.68	112.40
31	E7	202	PEB	CHA-C1B-NB	-2.19	120.35	124.93
31	P4	201	PEB	CHA-C4A-NA	2.19	127.81	125.20
31	r8	201	PEB	CBC-CAC-C2C	-2.19	108.88	112.62
31	F7	201	PEB	CAB-C3B-C4B	2.19	128.88	125.01
31	O5	201	PEB	C2B-C1B-NB	2.19	115.20	110.53
31	H5	201	PEB	C2B-C1B-NB	2.19	115.20	110.53
31	RA	201	PEB	C3B-C4B-NB	2.19	113.23	110.05
31	SA	203	PEB	CAB-CBB-CGB	-2.19	108.89	113.60
31	i6	202	PEB	OD-C4D-ND	-2.19	122.69	125.93
31	YF	203	PEB	CMA-C2A-C1A	-2.19	107.69	112.40
31	C5	202	PEB	C2B-C1B-NB	2.19	115.20	110.53
31	wF	301	PEB	CHA-C1B-NB	-2.19	120.36	124.93
32	x8	306	PUB	CHA-C1B-C2B	-2.19	126.61	130.34
31	RF	202	PEB	C4B-NB-C1B	-2.19	102.39	106.51
31	PD	202	PEB	CMA-C2A-C1A	-2.19	107.69	112.40
31	fD	201	PEB	C2B-C1B-NB	2.19	115.20	110.53
31	gD	201	PEB	CAB-CBB-CGB	-2.19	108.89	113.60
31	XF	201	PEB	C1B-C2B-C3B	-2.19	104.00	106.51
31	q8	202	PEB	OD-C4D-C3D	-2.19	124.50	129.46
31	BK	202	PEB	CHB-C4B-NB	-2.19	125.79	128.83
31	KA	302	PEB	CMA-C2A-C1A	-2.19	107.69	112.40
31	iF	202	PEB	OD-C4D-C3D	-2.19	124.50	129.46
31	AK	201	PEB	OD-C4D-C3D	-2.19	124.51	129.46
31	Z9	303	PEB	CHA-C4A-NA	-2.19	122.61	125.20
31	X4	201	PEB	CHA-C1B-C2B	2.19	130.52	124.90
31	rF	202	PEB	C2A-C1A-NA	2.19	110.16	108.27
31	H6	1002	PEB	CHC-C1D-ND	-2.19	111.41	113.95
33	JB	1001	CYC	CAD-CBD-CGD	-2.19	107.63	113.76
31	LB	1002	PEB	CAB-C3B-C4B	2.19	128.88	125.01
31	XI	201	PEB	CAB-C3B-C4B	2.19	128.88	125.01
31	L9	202	PEB	OD-C4D-C3D	-2.19	124.51	129.46
31	BA	201	PEB	C3B-C4B-NB	2.19	113.23	110.05
31	m4	201	PEB	C1B-C2B-C3B	-2.19	104.00	106.51
31	pF	202	PEB	C1B-C2B-C3B	-2.19	104.00	106.51
31	cD	201	PEB	CAB-CBB-CGB	-2.19	108.90	113.60
33	IB	1001	CYC	CHB-C1B-NB	-2.19	121.37	126.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	bC	202	PEB	CHA-C1B-C2B	2.19	130.52	124.90
31	HI	201	PEB	CMB-C2B-C1B	2.19	128.43	125.06
31	J7	201	PEB	CMB-C2B-C1B	2.19	128.43	125.06
31	MA	202	PEB	C1B-C2B-C3B	-2.19	104.00	106.51
31	YB	203	PEB	C1B-C2B-C3B	-2.19	104.00	106.51
33	W3	1001	CYC	C4A-C3A-C2A	-2.19	104.00	106.51
33	DD	1001	CYC	C1B-CHB-C4A	-2.18	122.74	128.08
31	ZD	201	PEB	CHC-C1D-ND	-2.18	111.41	113.95
31	HH	201	PEB	CAB-C3B-C4B	2.18	128.87	125.01
31	S9	201	PEB	C2C-C3C-C4C	-2.18	102.61	111.33
31	RJ	203	PEB	OD-C4D-ND	-2.18	122.69	125.93
31	HJ	202	PEB	CAB-CBB-CGB	-2.18	108.90	113.60
31	M4	202	PEB	C1B-C2B-C3B	-2.18	104.00	106.51
31	O5	202	PEB	CHA-C4A-NA	-2.18	122.61	125.20
31	SA	201	PEB	OD-C4D-C3D	-2.18	124.51	129.46
31	k2	202	PEB	OD-C4D-C3D	-2.18	124.51	129.46
31	e4	201	PEB	CAA-C3A-C2A	-2.18	108.80	114.26
31	UK	201	PEB	CMA-C2A-C1A	-2.18	107.69	112.40
33	JC	1003	CYC	CHA-C1A-NA	-2.18	125.80	128.83
31	KF	203	PEB	CHB-C4B-C3B	-2.18	120.28	125.32
31	PC	202	PEB	CHA-C1B-NB	-2.18	120.36	124.93
31	P2	202	PEB	CHA-C1B-NB	-2.18	120.36	124.93
31	AJ	302	PEB	CMB-C2B-C1B	2.18	128.43	125.06
31	h6	201	PEB	CBA-CAA-C3A	-2.18	108.61	113.47
31	LH	201	PEB	OD-C4D-C3D	-2.18	124.51	129.46
31	QH	201	PEB	CAA-C3A-C4A	-2.18	107.07	112.67
31	CI	201	PEB	CAB-C3B-C4B	2.18	128.87	125.01
31	OI	201	PEB	O1B-CGB-CBB	-2.18	116.07	123.08
31	TH	201	PEB	CMD-C2D-C3D	2.18	133.14	130.06
31	bC	201	PEB	C1C-CHB-C4B	2.18	131.42	128.81
31	B8	201	PEB	CMA-C2A-C1A	-2.18	107.70	112.40
31	hF	202	PEB	CHC-C4C-C3C	-2.18	126.61	130.34
31	LJ	201	PEB	CAB-CBB-CGB	-2.18	108.91	113.60
31	A1	201	PEB	OD-C4D-C3D	-2.18	124.52	129.46
31	E5	201	PEB	OD-C4D-C3D	-2.18	124.52	129.46
31	QF	202	PEB	CAA-C3A-C4A	-2.18	107.07	112.67
31	CJ	202	PEB	CHB-C4B-NB	-2.18	125.80	128.83
31	LI	202	PEB	CMB-C2B-C1B	2.18	128.43	125.06
31	WC	203	PEB	CAB-C3B-C4B	2.18	128.87	125.01
31	CF	202	PEB	CAB-C3B-C4B	2.18	128.87	125.01
31	R2	201	PEB	CAB-C3B-C4B	2.18	128.87	125.01
31	D8	202	PEB	CAB-C3B-C4B	2.18	128.87	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dF	202	PEB	CAB-C3B-C4B	2.18	128.87	125.01
33	r3	1001	CYC	C1B-NB-C4B	-2.18	107.89	110.67
33	IE	1001	CYC	CMC-C2C-C1C	-2.18	107.70	112.40
31	BF	201	PEB	O2B-CGB-CBB	2.18	121.04	114.03
31	qF	202	PEB	C2A-C1A-NA	2.18	110.15	108.27
31	Q8	201	PEB	CMB-C2B-C3B	-2.18	120.19	126.12
33	EE	1001	CYC	CMC-C2C-C1C	-2.18	107.70	112.40
31	PI	201	PEB	CAB-C3B-C4B	2.18	128.87	125.01
31	H1	201	PEB	C3B-C4B-NB	2.18	113.22	110.05
31	J1	201	PEB	CAB-CBB-CGB	-2.18	108.91	113.60
31	fD	203	PEB	OD-C4D-ND	-2.18	122.70	125.93
31	N4	202	PEB	CAC-CBC-CGC	-2.18	107.64	113.76
31	VG	203	PEB	CAD-C3D-C2D	-2.18	121.42	128.60
33	JC	1001	CYC	OC-C1C-C2C	-2.18	124.44	126.17
31	d8	202	PEB	C2A-C1A-NA	2.18	110.15	108.27
31	lH	202	PEB	CAB-CBB-CGB	-2.18	108.91	113.60
31	V2	202	PEB	CAB-C3B-C4B	2.18	128.87	125.01
31	KH	203	PEB	OD-C4D-C3D	-2.18	124.52	129.46
31	A7	202	PEB	CBA-CAA-C3A	-2.18	108.61	113.47
31	TC	202	PEB	OD-C4D-ND	-2.18	122.70	125.93
31	TK	202	PEB	CAB-CBB-CGB	-2.18	108.91	113.60
31	CH	201	PEB	CAB-C3B-C4B	2.18	128.87	125.01
33	MB	1001	CYC	CBC-CAC-C3C	-2.18	108.61	113.47
31	AB	301	PEB	CAC-CBC-CGC	-2.18	107.65	113.76
31	CF	203	PEB	CHA-C1B-NB	-2.18	120.37	124.93
31	L1	201	PEB	C3B-C4B-NB	2.18	113.22	110.05
31	YH	201	PEB	OD-C4D-C3D	-2.18	124.52	129.46
31	PD	202	PEB	C2B-C1B-NB	2.18	115.18	110.53
31	QA	201	PEB	OD-C4D-ND	-2.18	122.70	125.93
31	VK	202	PEB	OD-C4D-C3D	-2.18	124.52	129.46
31	M7	201	PEB	C4B-NB-C1B	-2.18	102.41	106.51
32	AB	303	PUB	CBA-CAA-C3A	-2.18	109.67	112.98
31	II	201	PEB	CAB-C3B-C4B	2.18	128.86	125.01
31	YJ	201	PEB	C2B-C1B-NB	2.18	115.18	110.53
31	G4	201	PEB	OD-C4D-C3D	-2.18	124.53	129.46
31	WK	202	PEB	OD-C4D-C3D	-2.18	124.53	129.46
31	i4	201	PEB	CHC-C1D-ND	-2.18	111.42	113.95
31	VC	201	PEB	CBB-CAB-C3B	2.18	118.68	112.63
31	F9	201	PEB	CMC-C3C-C2C	2.18	129.05	124.94
31	lF	202	PEB	CAC-CBC-CGC	-2.18	107.65	113.76
31	SB	202	PEB	C4B-C3B-C2B	-2.18	104.37	106.78
31	sF	202	PEB	CHA-C4A-NA	2.18	127.79	125.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	F4	201	PEB	CMB-C2B-C1B	2.18	128.42	125.06
32	AJ	303	PUB	CMD-C2D-C3D	2.18	131.03	127.77
31	OF	203	PEB	OD-C4D-C3D	-2.18	124.53	129.46
31	ZI	301	PEB	OA-C1A-C2A	-2.18	124.44	126.17
31	W4	202	PEB	CBA-CAA-C3A	-2.18	108.62	113.47
31	cH	202	PEB	CAA-C3A-C4A	2.18	118.26	112.67
31	FF	201	PEB	O2B-CGB-CBB	2.18	121.02	114.03
31	fE	201	PEB	CHA-C1B-NB	-2.18	120.38	124.93
33	DE	1001	CYC	C1B-CHB-C4A	-2.18	122.76	128.08
31	dF	201	PEB	CAA-C3A-C2A	-2.18	108.82	114.26
31	EJ	202	PEB	OD-C4D-ND	-2.18	122.71	125.93
31	OF	203	PEB	CHB-C4B-C3B	-2.18	120.29	125.32
31	aA	202	PEB	CAB-CBB-CGB	-2.18	108.92	113.60
31	ZE	201	PEB	CHA-C1B-C2B	2.18	130.50	124.90
31	T1	201	PEB	C3B-C4B-NB	2.18	113.21	110.05
31	WA	402	PEB	OD-C4D-C3D	-2.18	124.53	129.46
31	EI	201	PEB	CAB-C3B-C4B	2.18	128.86	125.01
31	X5	202	PEB	CAB-C3B-C4B	2.18	128.86	125.01
31	d8	201	PEB	C1B-C2B-C3B	-2.18	104.01	106.51
33	J6	1001	CYC	CAD-CBD-CGD	-2.18	107.66	113.76
31	XA	201	PEB	CHC-C1D-ND	-2.18	111.42	113.95
31	q8	202	PEB	C3B-C4B-NB	2.18	113.21	110.05
31	aA	201	PEB	CAB-C3B-C4B	2.18	128.86	125.01
31	zF	501	PEB	CAB-C3B-C4B	2.18	128.86	125.01
31	aC	202	PEB	C2A-C1A-NA	2.17	110.15	108.27
31	XK	201	PEB	C4B-C3B-C2B	-2.17	104.38	106.78
33	HB	1001	CYC	C1B-CHB-C4A	-2.17	122.77	128.08
31	VF	201	PEB	C1B-C2B-C3B	-2.17	104.01	106.51
31	RI	201	PEB	CAB-C3B-C4B	2.17	128.85	125.01
31	KF	203	PEB	O2C-CGC-CBC	2.17	121.02	114.03
31	i8	202	PEB	O2C-CGC-CBC	2.17	121.02	114.03
31	Q5	202	PEB	CHC-C4C-C3C	-2.17	126.63	130.34
33	j3	1001	CYC	CAB-C3B-C2B	2.17	131.25	127.53
31	EF	202	PEB	C2B-C1B-NB	2.17	115.17	110.53
31	MK	201	PEB	O1C-CGC-CBC	-2.17	116.10	123.08
31	WC	201	PEB	CMB-C2B-C1B	2.17	128.41	125.06
31	V2	203	PEB	CMA-C2A-C1A	-2.17	107.72	112.40
31	BI	202	PEB	CAB-CBB-CGB	-2.17	108.92	113.60
31	AI	202	PEB	C3B-C4B-NB	2.17	113.21	110.05
33	I6	1001	CYC	CHA-C1A-C2A	-2.17	120.30	125.32
32	NJ	201	PUB	CAC-C2C-C1C	2.17	128.85	125.01
33	L6	1001	CYC	O2A-CGA-CBA	2.17	121.01	114.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	MF	201	PEB	CHB-C4B-C3B	-2.17	120.30	125.32
31	W9	201	PEB	OD-C4D-C3D	-2.17	124.54	129.46
31	a8	203	PEB	OD-C4D-ND	-2.17	122.71	125.93
33	G3	1001	CYC	C1B-NB-C4B	-2.17	107.90	110.67
31	UE	201	PEB	CAB-CBB-CGB	-2.17	108.93	113.60
31	UA	304	PEB	O2C-CGC-CBC	2.17	121.01	114.03
31	PJ	201	PEB	CHB-C4B-C3B	-2.17	120.30	125.32
31	DJ	202	PEB	C2A-C1A-NA	2.17	110.15	108.27
31	DJ	202	PEB	CMD-C2D-C3D	2.17	133.13	130.06
31	g6	201	PEB	CAB-CBB-CGB	-2.17	108.93	113.60
31	c4	202	PEB	CAA-C3A-C4A	2.17	118.25	112.67
31	bB	201	PEB	CAB-C3B-C4B	2.17	128.85	125.01
31	CH	201	PEB	CAA-C3A-C2A	-2.17	108.83	114.26
33	ID	1001	CYC	CMC-C2C-C1C	-2.17	107.72	112.40
31	X8	201	PEB	C1B-C2B-C3B	-2.17	104.01	106.51
31	U7	201	PEB	CMC-C3C-C2C	2.17	129.04	124.94
31	N4	201	PEB	CMC-C3C-C2C	-2.17	120.85	124.94
31	X7	201	PEB	C2B-C1B-NB	2.17	115.16	110.53
31	S1	201	PEB	CHA-C4A-NA	2.17	127.79	125.20
31	PA	201	PEB	CAC-CBC-CGC	-2.17	107.67	113.76
31	KI	201	PEB	CAB-C3B-C4B	2.17	128.85	125.01
31	TI	201	PEB	CAB-C3B-C4B	2.17	128.85	125.01
31	DB	1002	PEB	CHC-C1D-ND	-2.17	111.43	113.95
31	VC	203	PEB	CHA-C1B-NB	-2.17	120.39	124.93
31	G8	202	PEB	CHA-C4A-NA	-2.17	122.62	125.20
33	EC	1001	CYC	CMC-C2C-C1C	-2.17	107.72	112.40
31	QH	203	PEB	C1C-CHB-C4B	-2.17	126.22	128.81
31	b2	201	PEB	C1C-CHB-C4B	2.17	131.40	128.81
31	F8	201	PEB	C1C-CHB-C4B	2.17	131.40	128.81
33	j3	1001	CYC	C1B-NB-C4B	-2.17	107.91	110.67
33	BD	1002	CYC	OB-C4B-NB	-2.17	120.03	125.08
31	UH	201	PEB	CAA-C3A-C4A	-2.17	107.10	112.67
31	gH	201	PEB	C1B-C2B-C3B	-2.17	104.02	106.51
31	bF	202	PEB	CHC-C4C-C3C	2.17	134.04	130.34
31	PA	201	PEB	CMB-C2B-C1B	2.17	128.41	125.06
33	J2	1001	CYC	CBB-CAB-C3B	-2.17	106.45	112.43
31	lB	202	PEB	C3B-C4B-NB	2.17	113.20	110.05
31	eF	201	PEB	CAB-C3B-C4B	2.17	128.85	125.01
33	C2	1001	CYC	C1A-C2A-C3A	-2.17	104.38	106.78
31	r8	202	PEB	C2A-C1A-NA	2.17	110.14	108.27
31	UD	203	PEB	OD-C4D-C3D	-2.17	124.55	129.46
31	RA	202	PEB	CHA-C1B-NB	-2.17	120.40	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O7	203	PEB	C2B-C1B-NB	2.17	115.16	110.53
31	P6	202	PEB	CAC-CBC-CGC	-2.17	107.68	113.76
31	fE	203	PEB	OD-C4D-ND	-2.17	122.72	125.93
32	x8	306	PUB	C4B-CHB-C1C	2.17	131.40	128.81
33	p3	1001	CYC	C1B-NB-C4B	-2.17	107.91	110.67
31	A5	302	PEB	CMB-C2B-C1B	2.17	128.40	125.06
31	D1	202	PEB	CAB-C3B-C4B	2.17	128.84	125.01
31	eD	203	PEB	O2C-CGC-CBC	2.17	121.00	114.03
31	YK	302	PEB	CHB-C4B-C3B	2.17	130.33	125.32
33	L2	1001	CYC	CAA-CBA-CGA	2.17	118.27	113.60
31	kC	202	PEB	OD-C4D-C3D	-2.17	124.55	129.46
31	gE	201	PEB	CHC-C1D-ND	-2.17	111.43	113.95
31	QF	201	PEB	CMB-C2B-C3B	-2.17	120.23	126.12
31	JF	201	PEB	C3B-C4B-NB	2.17	113.20	110.05
33	e3	1001	CYC	C1B-NB-C4B	-2.17	107.91	110.67
31	N1	201	PEB	CBC-CAC-C2C	-2.17	108.92	112.62
31	aH	203	PEB	CHA-C1B-NB	-2.17	120.40	124.93
31	FJ	202	PEB	CBA-CAA-C3A	-2.17	108.64	113.47
31	R5	203	PEB	OD-C4D-ND	-2.17	122.72	125.93
31	ZE	201	PEB	CHC-C1D-ND	-2.17	111.43	113.95
31	e8	201	PEB	CHC-C1D-ND	-2.17	111.43	113.95
31	TK	201	PEB	C3B-C4B-NB	2.17	113.20	110.05
31	hH	203	PEB	CHA-C4A-NA	-2.17	122.63	125.20
31	PJ	203	PEB	OD-C4D-C3D	-2.17	124.55	129.46
31	d2	202	PEB	OD-C4D-C3D	-2.17	124.55	129.46
31	h8	202	PEB	CHC-C4C-C3C	-2.17	126.64	130.34
31	H4	202	PEB	O2B-CGB-CBB	2.17	120.99	114.03
31	GI	201	PEB	CAB-C3B-C4B	2.17	128.84	125.01
31	m2	201	PEB	CAB-C3B-C4B	2.17	128.84	125.01
31	R7	202	PEB	CAB-C3B-C4B	2.17	128.84	125.01
31	CF	202	PEB	CAC-CBC-CGC	2.17	119.83	113.76
31	q8	201	PEB	C3B-C4B-NB	2.17	113.20	110.05
31	R5	203	PEB	CAA-C3A-C4A	-2.17	107.11	112.67
31	e8	202	PEB	CMB-C2B-C3B	-2.17	120.23	126.12
31	Q4	204	PEB	CHA-C1B-NB	-2.17	120.40	124.93
31	lB	202	PEB	CBA-CAA-C3A	-2.17	108.64	113.47
31	R7	201	PEB	CAB-C3B-C4B	2.17	128.84	125.01
31	c8	203	PEB	CAC-CBC-CGC	-2.17	107.69	113.76
31	DD	1002	PEB	CAA-C3A-C2A	-2.17	108.85	114.26
31	V7	202	PEB	CAB-CBB-CGB	-2.17	108.94	113.60
31	B8	201	PEB	O2B-CGB-CBB	2.17	120.99	114.03
31	aA	202	PEB	CHA-C1B-NB	-2.17	120.40	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	d5	401	PEB	CMA-C2A-C1A	-2.17	107.73	112.40
33	v3	1001	CYC	C1B-NB-C4B	-2.17	107.91	110.67
33	GD	201	CYC	CHA-C1A-C2A	-2.17	120.32	125.32
31	PC	202	PEB	C2A-C1A-NA	2.17	110.14	108.27
31	NG	201	PEB	C2A-C1A-NA	2.17	110.14	108.27
33	H6	1001	CYC	C1B-CHB-C4A	-2.17	122.79	128.08
31	N1	203	PEB	CHC-C4C-C3C	-2.17	126.64	130.34
31	S6	201	PEB	CAB-C3B-C4B	2.17	128.84	125.01
31	z8	501	PEB	CAB-C3B-C4B	2.17	128.84	125.01
31	PD	201	PEB	CAA-C3A-C4A	-2.17	107.11	112.67
31	Q8	201	PEB	OD-C4D-C3D	-2.17	124.56	129.46
33	T3	1001	CYC	C1B-NB-C4B	-2.17	107.91	110.67
31	OH	202	PEB	CMB-C2B-C1B	2.16	128.40	125.06
31	wF	303	PEB	CHA-C4A-NA	2.16	127.78	125.20
31	Y4	202	PEB	CMA-C2A-C1A	-2.16	107.74	112.40
31	N8	202	PEB	C2A-C1A-NA	2.16	110.14	108.27
31	k4	202	PEB	CAA-C3A-C2A	-2.16	108.85	114.26
32	x8	301	PUB	CBD-CAD-C3D	-2.16	106.46	112.43
33	LE	1001	CYC	CHB-C1B-NB	-2.16	121.41	126.06
33	W3	1001	CYC	C2A-C1A-NA	2.16	113.20	110.05
31	M7	202	PEB	CAB-CBB-CGB	-2.16	108.95	113.60
31	r8	202	PEB	CMC-C3C-C2C	-2.16	120.86	124.94
31	f4	203	PEB	C2B-C1B-NB	2.16	115.15	110.53
31	e8	202	PEB	CAC-C2C-C3C	2.16	133.46	127.25
31	MF	201	PEB	CHA-C1B-NB	-2.16	120.41	124.93
31	UK	202	PEB	CHA-C1B-NB	-2.16	120.41	124.93
31	tF	201	PEB	CMA-C2A-C1A	-2.16	107.74	112.40
31	Y1	303	PEB	OD-C4D-ND	-2.16	122.72	125.93
31	rF	202	PEB	CMC-C3C-C2C	-2.16	120.86	124.94
33	R3	1001	CYC	C1B-NB-C4B	-2.16	107.91	110.67
33	c3	1001	CYC	C1B-NB-C4B	-2.16	107.91	110.67
31	hE	203	PEB	OD-C4D-C3D	-2.16	124.56	129.46
31	PH	202	PEB	C2A-C1A-NA	2.16	110.14	108.27
31	FF	201	PEB	C1C-CHB-C4B	2.16	131.39	128.81
31	QD	202	PEB	C4B-C3B-C2B	-2.16	104.39	106.78
31	m2	201	PEB	CHB-C4B-NB	-2.16	125.83	128.83
31	L9	203	PEB	OD-C4D-ND	-2.16	122.73	125.93
31	UG	201	PEB	CAA-C3A-C2A	-2.16	108.86	114.26
31	QA	204	PEB	CHA-C1B-NB	-2.16	120.41	124.93
31	kC	202	PEB	CHB-C4B-C3B	-2.16	120.32	125.32
32	A4	304	PUB	CMD-C2D-C3D	2.16	131.01	127.77
33	LB	1001	CYC	O2A-CGA-CBA	2.16	120.98	114.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y5	201	PEB	C2B-C1B-NB	2.16	115.14	110.53
31	DE	1002	PEB	CAA-C3A-C2A	-2.16	108.86	114.26
31	PE	202	PEB	C2B-C1B-NB	2.16	115.14	110.53
31	K7	202	PEB	C4B-NB-C1B	-2.16	102.44	106.51
31	TD	201	PEB	CMA-C2A-C1A	-2.16	107.74	112.40
33	BE	1002	CYC	OB-C4B-NB	-2.16	120.05	125.08
31	TC	202	PEB	CAB-CBB-CGB	-2.16	108.95	113.60
31	JI	201	PEB	CAA-C3A-C2A	-2.16	108.86	114.26
31	F7	202	PEB	C1B-C2B-C3B	-2.16	104.03	106.51
31	AI	201	PEB	CAB-C3B-C4B	2.16	128.83	125.01
31	K5	201	PEB	CHA-C1B-NB	-2.16	120.41	124.93
31	H6	1002	PEB	CHA-C1B-NB	-2.16	120.41	124.93
31	CH	203	PEB	CAA-C3A-C4A	-2.16	107.12	112.67
31	O8	203	PEB	CHB-C4B-C3B	-2.16	120.33	125.32
32	AH	303	PUB	CMC-C3C-C4C	2.16	132.85	126.37
31	P5	203	PEB	OD-C4D-C3D	-2.16	124.56	129.46
31	W2	201	PEB	CMB-C2B-C1B	2.16	128.39	125.06
32	AC	303	PUB	CAC-C2C-C1C	2.16	128.83	125.01
31	RI	202	PEB	C3B-C4B-NB	2.16	113.19	110.05
31	P2	202	PEB	CBC-CAC-C2C	2.16	116.31	112.62
31	M5	202	PEB	CAB-CBB-CGB	-2.16	108.95	113.60
31	MI	301	PEB	C1B-C2B-C3B	-2.16	104.03	106.51
31	LB	1002	PEB	CHA-C4A-NA	2.16	127.77	125.20
31	F5	201	PEB	CAB-C3B-C4B	2.16	128.83	125.01
31	aH	202	PEB	CAA-C3A-C2A	-2.16	108.86	114.26
31	E4	203	PEB	OD-C4D-ND	-2.16	122.73	125.93
33	M2	201	CYC	CHA-C1A-NA	-2.16	125.83	128.83
31	K8	203	PEB	CHB-C4B-C3B	-2.16	120.33	125.32
31	U1	202	PEB	C2B-C1B-NB	2.16	115.14	110.53
31	T6	203	PEB	CMB-C2B-C1B	2.16	128.39	125.06
31	Y5	202	PEB	OD-C4D-ND	-2.16	122.73	125.93
31	UA	304	PEB	CAB-C3B-C4B	2.16	128.83	125.01
31	DF	202	PEB	CAB-C3B-C4B	2.16	128.83	125.01
31	U5	201	PEB	CAB-C3B-C4B	2.16	128.83	125.01
31	YI	201	PEB	CHC-C4C-C3C	-2.16	126.66	130.34
31	B8	202	PEB	C2B-C1B-NB	2.16	115.14	110.53
31	NK	201	PEB	CBC-CAC-C2C	-2.16	108.94	112.62
31	fE	201	PEB	CBC-CAC-C2C	-2.16	108.94	112.62
31	Q9	203	PEB	OA-C1A-C2A	-2.16	124.46	126.17
31	W1	202	PEB	OD-C4D-C3D	-2.16	124.57	129.46
31	L6	1002	PEB	CHB-C4B-C3B	-2.16	120.33	125.32
31	WI	202	PEB	C3B-C4B-NB	2.16	113.19	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	VH	202	PEB	CAA-C3A-C2A	-2.16	108.87	114.26
31	EJ	201	PEB	OD-C4D-C3D	-2.16	124.57	129.46
31	i8	202	PEB	OD-C4D-C3D	-2.16	124.57	129.46
31	d4	202	PEB	CHA-C1B-NB	-2.16	120.42	124.93
31	PB	201	PEB	CHB-C4B-C3B	-2.16	120.34	125.32
31	w8	301	PEB	C2B-C1B-NB	2.16	115.13	110.53
31	AD	301	PEB	CHA-C4A-NA	-2.16	122.64	125.20
31	BH	301	PEB	CAC-CBC-CGC	-2.16	107.71	113.76
33	t3	1001	CYC	C1B-NB-C4B	-2.16	107.92	110.67
31	MJ	202	PEB	CAB-CBB-CGB	-2.16	108.96	113.60
31	aB	201	PEB	CAB-CBB-CGB	-2.16	108.96	113.60
31	kH	202	PEB	O2B-CGB-CBB	2.16	120.96	114.03
31	l8	202	PEB	CAC-CBC-CGC	-2.16	107.71	113.76
31	OJ	201	PEB	OD-C4D-ND	-2.16	122.73	125.93
33	L3	1001	CYC	CAB-C3B-C2B	2.16	131.22	127.53
31	JI	201	PEB	O1B-CGB-CBB	-2.16	116.15	123.08
31	l4	202	PEB	CAB-CBB-CGB	-2.16	108.96	113.60
31	TJ	201	PEB	C3B-C4B-NB	2.16	113.19	110.05
31	aA	202	PEB	CHA-C4A-NA	-2.16	122.64	125.20
31	O8	201	PEB	C2B-C1B-NB	2.16	115.13	110.53
33	d3	1001	CYC	C1B-NB-C4B	-2.16	107.92	110.67
31	t8	202	PEB	C1B-C2B-C3B	-2.16	104.03	106.51
31	tF	202	PEB	C1B-C2B-C3B	-2.16	104.03	106.51
31	PB	202	PEB	CAC-CBC-CGC	-2.16	107.71	113.76
33	I3	1001	CYC	CAB-C3B-C2B	2.16	131.22	127.53
31	T1	202	PEB	CAB-CBB-CGB	-2.16	108.96	113.60
32	A5	303	PUB	C1D-CHC-C4C	-2.16	108.68	113.37
33	I2	201	CYC	CAC-C3C-C2C	2.16	119.65	114.26
31	HF	202	PEB	C4B-NB-C1B	-2.16	102.45	106.51
31	BF	202	PEB	C2B-C1B-NB	2.16	115.13	110.53
31	AH	301	PEB	C2B-C1B-NB	2.16	115.13	110.53
31	OJ	201	PEB	C2B-C1B-NB	2.16	115.13	110.53
31	PC	202	PEB	CBC-CAC-C2C	2.16	116.30	112.62
31	JA	201	PEB	OA-C1A-C2A	-2.16	124.46	126.17
31	SK	201	PEB	CHA-C4A-NA	2.16	127.77	125.20
31	X1	201	PEB	C1B-C2B-C3B	-2.16	104.03	106.51
31	L8	202	PEB	C2B-C1B-NB	2.16	115.13	110.53
31	FB	1002	PEB	CHB-C4B-C3B	-2.15	120.34	125.32
31	Q4	201	PEB	CHB-C4B-C3B	-2.15	120.34	125.32
31	HI	201	PEB	O1B-CGB-CBB	-2.15	116.16	123.08
31	iB	202	PEB	OD-C4D-ND	-2.15	122.74	125.93
33	LD	1001	CYC	CHB-C1B-NB	-2.15	121.43	126.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	DK	202	PEB	CAB-C3B-C4B	2.15	128.82	125.01
32	AB	303	PUB	CAC-C2C-C1C	2.15	128.82	125.01
32	AJ	303	PUB	C1D-CHC-C4C	-2.15	108.68	113.37
31	p8	202	PEB	CHC-C1D-ND	-2.15	111.44	113.95
31	gF	201	PEB	OD-C4D-C3D	-2.15	124.58	129.46
31	UF	201	PEB	O2C-CGC-CBC	2.15	120.95	114.03
31	P5	201	PEB	CHB-C4B-C3B	-2.15	120.34	125.32
31	J4	202	PEB	CAA-C3A-C2A	-2.15	108.88	114.26
33	J3	1001	CYC	C1B-NB-C4B	-2.15	107.93	110.67
33	i3	1001	CYC	C1B-NB-C4B	-2.15	107.93	110.67
33	73	1001	CYC	CAB-C3B-C2B	2.15	131.21	127.53
31	WD	201	PEB	CHB-C4B-NB	-2.15	125.84	128.83
31	PJ	201	PEB	CHB-C4B-NB	-2.15	125.84	128.83
31	I7	201	PEB	CHB-C4B-NB	-2.15	125.84	128.83
31	KD	201	PEB	CAB-C3B-C4B	2.15	128.82	125.01
31	O2	201	PEB	CAB-C3B-C4B	2.15	128.82	125.01
33	KE	202	CYC	CBD-CAD-C3D	-2.15	108.94	112.62
31	F8	201	PEB	CAA-C3A-C2A	-2.15	108.88	114.26
33	C3	1001	CYC	C1B-NB-C4B	-2.15	107.93	110.67
33	E3	1001	CYC	C1B-NB-C4B	-2.15	107.93	110.67
31	MI	302	PEB	OA-C1A-C2A	-2.15	124.46	126.17
31	XJ	201	PEB	C2B-C1B-NB	2.15	115.12	110.53
31	jE	201	PEB	CAB-C3B-C4B	2.15	128.82	125.01
33	ED	1001	CYC	CMC-C2C-C1C	-2.15	107.76	112.40
31	EG	201	PEB	C2A-C1A-NA	2.15	110.13	108.27
31	iF	203	PEB	CAB-CBB-CGB	-2.15	108.97	113.60
33	D3	1001	CYC	CAB-C3B-C2B	2.15	131.21	127.53
31	f6	202	PEB	CBA-CAA-C3A	-2.15	108.67	113.47
31	TB	201	PEB	CHA-C4A-NA	2.15	127.76	125.20
31	TE	201	PEB	CMA-C2A-C1A	-2.15	107.76	112.40
33	BD	1002	CYC	CMA-C3A-C2A	-2.15	120.28	126.12
31	N1	203	PEB	C1B-C2B-C3B	-2.15	104.04	106.51
31	gE	201	PEB	CAB-CBB-CGB	-2.15	108.97	113.60
31	E7	201	PEB	CHB-C4B-C3B	-2.15	120.35	125.32
31	j2	203	PEB	CAB-C3B-C4B	2.15	128.81	125.01
31	C8	202	PEB	CAB-C3B-C4B	2.15	128.81	125.01
31	T2	202	PEB	CHC-C4C-C3C	-2.15	126.67	130.34
31	UE	203	PEB	OD-C4D-C3D	-2.15	124.59	129.46
31	mD	203	PEB	C1B-C2B-C3B	-2.15	104.04	106.51
31	P6	203	PEB	CAB-CBB-CGB	2.15	118.23	113.60
31	VI	202	PEB	C3B-C4B-NB	2.15	113.18	110.05
33	H3	1001	CYC	C1B-NB-C4B	-2.15	107.93	110.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	I2	201	CYC	CHB-C4A-C3A	2.15	130.43	124.90
31	U2	201	PEB	OD-C4D-ND	-2.15	122.74	125.93
31	VC	202	PEB	CAB-C3B-C4B	2.15	128.81	125.01
31	K5	201	PEB	CAB-C3B-C4B	2.15	128.81	125.01
31	T6	201	PEB	CHA-C4A-NA	2.15	127.76	125.20
31	RJ	203	PEB	CAA-C3A-C4A	-2.15	107.15	112.67
33	S3	1001	CYC	CAB-C3B-C2B	2.15	131.21	127.53
33	k3	1001	CYC	CAB-C3B-C2B	2.15	131.21	127.53
31	V5	201	PEB	CAB-C3B-C4B	2.15	128.81	125.01
33	L3	1001	CYC	C1B-NB-C4B	-2.15	107.93	110.67
31	ZH	202	PEB	CAA-C3A-C2A	-2.15	108.89	114.26
31	GH	202	PEB	CBC-CAC-C2C	-2.15	108.95	112.62
31	G8	202	PEB	CHA-C1B-NB	-2.15	120.44	124.93
31	L6	1002	PEB	CHA-C4A-NA	2.15	127.76	125.20
31	JG	201	PEB	CAB-CBB-CGB	2.15	118.23	113.60
31	GF	202	PEB	CHA-C1B-NB	-2.15	120.44	124.93
33	y3	1001	CYC	C4A-C3A-C2A	-2.15	104.04	106.51
31	OH	203	PEB	C2B-C1B-NB	2.15	115.12	110.53
31	IA	203	PEB	CAB-CBB-CGB	-2.15	108.98	113.60
31	QG	201	PEB	CAB-C3B-C4B	2.15	128.81	125.01
31	W2	202	PEB	CHA-C1B-C2B	2.15	130.43	124.90
31	ZA	203	PEB	CMA-C2A-C1A	-2.15	107.77	112.40
33	U3	1001	CYC	CAB-C3B-C2B	2.15	131.20	127.53
33	f3	1001	CYC	CAB-C3B-C2B	2.15	131.20	127.53
31	QE	203	PEB	OD-C4D-C3D	-2.15	124.59	129.46
31	T2	202	PEB	OD-C4D-ND	-2.15	122.75	125.93
31	R8	202	PEB	OD-C4D-ND	-2.15	122.75	125.93
31	M1	201	PEB	O1C-CGC-CBC	-2.15	116.18	123.08
31	HJ	201	PEB	C2B-C1B-NB	2.15	115.11	110.53
31	P5	201	PEB	CHB-C4B-NB	-2.15	125.85	128.83
31	CF	203	PEB	CHB-C4B-C3B	-2.15	120.36	125.32
31	J8	201	PEB	C3B-C4B-NB	2.15	113.17	110.05
31	GJ	202	PEB	CAB-C3B-C4B	2.15	128.81	125.01
33	P3	1001	CYC	C1B-NB-C4B	-2.15	107.94	110.67
31	RJ	201	PEB	C3B-C4B-NB	2.15	113.17	110.05
31	O7	202	PEB	C4B-C3B-C2B	-2.15	104.41	106.78
31	G5	201	PEB	CHC-C4C-C3C	-2.15	126.67	130.34
31	QI	202	PEB	CAB-C3B-C4B	2.15	128.81	125.01
31	jC	203	PEB	CAB-C3B-C4B	2.15	128.81	125.01
31	O2	201	PEB	CMB-C2B-C1B	2.15	128.37	125.06
31	NK	201	PEB	OD-C4D-C3D	-2.15	124.60	129.46
33	F6	1001	CYC	C1B-CHB-C4A	-2.15	122.84	128.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	H6	1002	PEB	CAB-CBB-CGB	-2.15	108.98	113.60
32	xF	306	PUB	C4B-CHB-C1C	2.15	131.37	128.81
31	cE	201	PEB	CHB-C4B-C3B	-2.15	120.36	125.32
33	O3	1001	CYC	CAB-C3B-C2B	2.15	131.20	127.53
31	DI	203	PEB	OD-C4D-C3D	-2.15	124.60	129.46
33	LC	1003	CYC	CAC-C3C-C2C	2.15	119.62	114.26
31	l6	202	PEB	CBA-CAA-C3A	-2.15	108.69	113.47
31	fB	202	PEB	CBA-CAA-C3A	-2.15	108.69	113.47
31	XK	201	PEB	C1B-C2B-C3B	-2.15	104.04	106.51
31	RK	203	PEB	CBD-CAD-C3D	-2.15	116.94	127.62
31	R1	203	PEB	CBD-CAD-C3D	-2.15	116.94	127.62
31	S2	201	PEB	CAB-C3B-C4B	2.15	128.80	125.01
31	X5	201	PEB	C2B-C1B-NB	2.15	115.11	110.53
31	QJ	201	PEB	CAB-CBB-CGB	-2.15	108.99	113.60
33	n3	1001	CYC	C1B-NB-C4B	-2.15	107.94	110.67
31	FH	201	PEB	CAA-C3A-C4A	-2.15	107.16	112.67
31	gH	202	PEB	CAA-C3A-C4A	-2.15	107.16	112.67
31	fD	201	PEB	CBC-CAC-C2C	-2.15	108.96	112.62
31	j4	201	PEB	CHC-C1D-ND	-2.15	111.46	113.95
31	dC	202	PEB	CHC-C1D-ND	-2.15	111.46	113.95
31	U7	202	PEB	CHA-C1B-NB	-2.15	120.45	124.93
31	UJ	201	PEB	CAB-C3B-C4B	2.15	128.80	125.01
31	kC	202	PEB	C1B-C2B-C3B	-2.15	104.05	106.51
31	F9	202	PEB	CHB-C4B-C3B	-2.15	120.36	125.32
31	bF	201	PEB	OD-C4D-C3D	-2.14	124.60	129.46
31	OH	201	PEB	C2A-C1A-NA	2.14	110.12	108.27
31	UC	202	PEB	C2B-C1B-NB	2.14	115.11	110.53
31	b8	201	PEB	CHA-C4A-NA	2.14	127.75	125.20
33	DB	1001	CYC	CHA-C1A-C2A	-2.14	120.37	125.32
31	v8	202	PEB	OD-C4D-C3D	-2.14	124.60	129.46
31	TA	201	PEB	OA-C1A-C2A	-2.14	124.47	126.17
33	BE	1001	CYC	CHA-C1A-NA	-2.14	125.85	128.83
31	T1	203	PEB	CHA-C1B-NB	-2.14	120.45	124.93
31	WK	202	PEB	CBA-CAA-C3A	-2.14	108.69	113.47
31	X5	202	PEB	C3B-C4B-NB	2.14	113.17	110.05
31	j2	202	PEB	CAB-C3B-C4B	2.14	128.80	125.01
33	g3	1001	CYC	C1B-NB-C4B	-2.14	107.94	110.67
31	OI	202	PEB	CMB-C2B-C1B	2.14	128.37	125.06
31	jF	201	PEB	C1B-C2B-C3B	-2.14	104.05	106.51
31	MJ	201	PEB	C4B-C3B-C2B	-2.14	104.41	106.78
31	W8	202	PEB	OD-C4D-C3D	-2.14	124.61	129.46
31	E7	201	PEB	CBB-CAB-C3B	-2.14	106.67	112.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	mC	201	PEB	CAB-C3B-C4B	2.14	128.80	125.01
31	eF	202	PEB	CMB-C2B-C3B	-2.14	120.30	126.12
31	J7	201	PEB	CMA-C2A-C1A	-2.14	107.78	112.40
31	XI	202	PEB	C3B-C4B-NB	2.14	113.17	110.05
31	UB	201	PEB	CMA-C2A-C3A	-2.14	105.19	113.83
31	RE	201	PEB	C1B-C2B-C3B	-2.14	104.05	106.51
31	S7	202	PEB	C2B-C1B-NB	2.14	115.10	110.53
31	a2	202	PEB	CHA-C1B-C2B	2.14	130.41	124.90
33	A3	1001	CYC	C1B-NB-C4B	-2.14	107.94	110.67
31	OE	203	PEB	C2B-C1B-NB	2.14	115.10	110.53
31	PB	201	PEB	CMA-C2A-C1A	-2.14	107.79	112.40
31	nF	201	PEB	CHC-C1D-ND	-2.14	111.46	113.95
31	MI	301	PEB	CAB-CBB-CGB	2.14	118.21	113.60
31	P1	201	PEB	C1B-C2B-C3B	-2.14	104.05	106.51
31	l8	201	PEB	C1B-C2B-C3B	-2.14	104.05	106.51
31	vF	201	PEB	C1B-C2B-C3B	-2.14	104.05	106.51
33	q3	1001	CYC	C1B-NB-C4B	-2.14	107.94	110.67
31	UK	202	PEB	C2B-C1B-NB	2.14	115.10	110.53
31	wF	301	PEB	C2B-C1B-NB	2.14	115.10	110.53
31	NH	201	PEB	CMC-C3C-C2C	-2.14	120.91	124.94
31	MI	302	PEB	CBC-CAC-C2C	-2.14	108.97	112.62
31	g8	203	PEB	CAB-C3B-C4B	2.14	128.80	125.01
33	IB	1001	CYC	CHA-C1A-C2A	-2.14	120.37	125.32
31	hD	201	PEB	CHA-C1B-NB	-2.14	120.45	124.93
31	AJ	304	PEB	CAA-C3A-C4A	2.14	118.17	112.67
33	F3	1001	CYC	C1B-NB-C4B	-2.14	107.94	110.67
31	PD	202	PEB	C4B-NB-C1B	-2.14	102.48	106.51
31	PE	202	PEB	C4B-NB-C1B	-2.14	102.48	106.51
31	RA	202	PEB	CAC-CBC-CGC	-2.14	107.76	113.76
31	cC	202	PEB	OD-C4D-ND	-2.14	122.76	125.93
31	KI	202	PEB	C3B-C4B-NB	2.14	113.16	110.05
31	eH	201	PEB	CBA-CAA-C3A	-2.14	108.70	113.47
32	Q4	202	PUB	C1D-CHC-C4C	-2.14	108.71	113.37
31	LG	201	PEB	CAB-CBB-CGB	-2.14	109.00	113.60
31	P6	201	PEB	CHB-C4B-C3B	-2.14	120.38	125.32
31	m2	201	PEB	OA-C1A-C2A	-2.14	124.47	126.17
31	W9	202	PEB	CAA-C3A-C4A	-2.14	107.18	112.67
31	LF	202	PEB	C2B-C1B-NB	2.14	115.09	110.53
31	e4	201	PEB	CAC-CBC-CGC	-2.14	107.76	113.76
31	TG	202	PEB	C2A-C1A-NA	2.14	110.12	108.27
31	HB	1002	PEB	CAB-CBB-CGB	-2.14	109.00	113.60
31	C8	203	PEB	CHB-C4B-C3B	-2.14	120.38	125.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	OH	202	PEB	CBC-CAC-C2C	-2.14	108.97	112.62
31	E5	202	PEB	CBC-CAC-C2C	2.14	116.27	112.62
31	GA	203	PEB	CHA-C4A-NA	-2.14	122.66	125.20
31	cF	203	PEB	CAC-CBC-CGC	-2.14	107.76	113.76
31	hD	203	PEB	OD-C4D-C3D	-2.14	124.61	129.46
31	U8	201	PEB	O2C-CGC-CBC	2.14	120.90	114.03
33	F3	1001	CYC	CAB-C3B-C2B	2.14	131.19	127.53
31	RD	201	PEB	CMA-C2A-C1A	-2.14	107.79	112.40
31	Z6	201	PEB	CHB-C4B-NB	2.14	131.79	128.83
31	VE	201	PEB	CAB-CBB-CGB	-2.14	109.00	113.60
33	GE	201	CYC	CHA-C1A-C2A	-2.14	120.38	125.32
33	B3	1001	CYC	CAB-C3B-C2B	2.14	131.19	127.53
31	V7	201	PEB	O2B-CGB-CBB	2.14	120.90	114.03
31	B9	201	PEB	C4B-NB-C1B	-2.14	102.48	106.51
31	HF	201	PEB	CBA-CAA-C3A	2.14	118.23	113.47
31	EF	202	PEB	OD-C4D-C3D	-2.14	124.62	129.46
33	x3	1001	CYC	C1A-C2A-C3A	-2.14	104.42	106.78
31	UA	302	PEB	CAB-CBB-CGB	-2.14	109.00	113.60
31	N5	204	PEB	CAB-CBB-CGB	-2.14	109.00	113.60
31	LI	202	PEB	OD-C4D-C3D	-2.14	124.62	129.46
31	UH	201	PEB	CAB-C3B-C4B	2.14	128.79	125.01
31	aH	204	PEB	CAB-C3B-C4B	2.14	128.79	125.01
31	aH	201	PEB	C1C-CHB-C4B	-2.14	126.26	128.81
31	J7	202	PEB	CAB-CBB-CGB	-2.14	109.00	113.60
31	dJ	401	PEB	CMA-C2A-C1A	-2.14	107.80	112.40
33	O3	1001	CYC	C1B-NB-C4B	-2.14	107.95	110.67
31	ZB	201	PEB	C2A-C1A-NA	-2.14	106.43	108.27
31	S5	201	PEB	C2A-C1A-NA	2.14	110.11	108.27
31	G5	202	PEB	CAB-C3B-C4B	2.14	128.79	125.01
31	eB	202	PEB	CAC-CBC-CGC	-2.14	107.77	113.76
31	EI	202	PEB	C3B-C4B-NB	2.14	113.16	110.05
31	F6	1002	PEB	CHA-C1B-NB	-2.14	120.46	124.93
31	ZI	301	PEB	CBC-CAC-C2C	-2.14	108.97	112.62
31	cH	201	PEB	C1B-C2B-C3B	-2.14	104.06	106.51
33	q3	1001	CYC	CAB-C3B-C2B	2.14	131.18	127.53
33	NC	1001	CYC	CBC-CAC-C3C	2.14	118.22	113.47
31	cA	403	PEB	OD-C4D-C3D	-2.14	124.62	129.46
31	X1	201	PEB	C4B-C3B-C2B	-2.14	104.42	106.78
31	XK	202	PEB	CAA-C3A-C2A	-2.14	108.92	114.26
31	VC	203	PEB	CMA-C2A-C1A	-2.14	107.80	112.40
31	LF	201	PEB	CHA-C1B-C2B	2.14	130.39	124.90
31	aC	202	PEB	CHA-C1B-C2B	2.14	130.39	124.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	PI	202	PEB	C3B-C4B-NB	2.14	113.16	110.05
31	TI	202	PEB	C3B-C4B-NB	2.14	113.16	110.05
33	K3	1001	CYC	C1B-NB-C4B	-2.14	107.95	110.67
33	H6	1001	CYC	CAD-CBD-CGD	-2.14	107.77	113.76
33	o3	1001	CYC	CAB-C3B-C2B	2.14	131.18	127.53
33	V3	1001	CYC	O1A-CGA-CBA	-2.13	116.22	123.08
31	b6	201	PEB	CAB-C3B-C4B	2.13	128.78	125.01
31	kF	202	PEB	CHA-C1B-NB	-2.13	120.47	124.93
31	i4	201	PEB	C1B-C2B-C3B	-2.13	104.06	106.51
33	LC	1003	CYC	CHB-C4A-C3A	2.13	130.39	124.90
31	OF	203	PEB	CMB-C2B-C1B	2.13	128.35	125.06
31	HF	201	PEB	C2B-C1B-NB	2.13	115.08	110.53
31	H8	201	PEB	CBA-CAA-C3A	2.13	118.22	113.47
31	T2	202	PEB	CAB-CBB-CGB	-2.13	109.01	113.60
31	fC	203	PEB	CAB-CBB-CGB	-2.13	109.01	113.60
31	GH	201	PEB	C1C-CHB-C4B	-2.13	126.26	128.81
33	BE	1001	CYC	CAA-C2A-C3A	2.13	131.85	127.88
31	R6	201	PEB	OD-C4D-C3D	-2.13	124.63	129.46
31	E8	202	PEB	OD-C4D-C3D	-2.13	124.63	129.46
31	eF	202	PEB	CAC-C2C-C3C	2.13	133.38	127.25
31	q8	201	PEB	CAB-C3B-C4B	2.13	128.78	125.01
31	Y9	202	PEB	CAB-C3B-C4B	2.13	128.78	125.01
31	M4	203	PEB	CHC-C1D-ND	2.13	116.42	113.95
31	W1	202	PEB	CBA-CAA-C3A	-2.13	108.72	113.47
31	m4	202	PEB	CAB-CBB-CGB	-2.13	109.01	113.60
31	NK	203	PEB	CHA-C4A-NA	-2.13	122.67	125.20
33	DC	1003	CYC	CHA-C1A-C2A	-2.13	120.39	125.32
33	d3	1001	CYC	CAB-C3B-C2B	2.13	131.18	127.53
31	h2	201	PEB	OD-C4D-C3D	-2.13	124.63	129.46
31	L5	203	PEB	CHB-C4B-C3B	-2.13	120.39	125.32
31	i6	201	PEB	CHA-C1B-NB	-2.13	120.47	124.93
31	NK	203	PEB	CHC-C4C-C3C	-2.13	126.70	130.34
31	OH	201	PEB	CAB-C3B-C4B	2.13	128.78	125.01
31	Z2	201	PEB	CAB-C3B-C4B	2.13	128.78	125.01
31	GG	202	PEB	C2A-C1A-NA	2.13	110.11	108.27
31	i8	202	PEB	C2B-C1B-NB	2.13	115.08	110.53
33	D3	1001	CYC	C1B-NB-C4B	-2.13	107.95	110.67
31	fD	201	PEB	CHA-C1B-NB	-2.13	120.47	124.93
31	CI	202	PEB	C3B-C4B-NB	2.13	113.15	110.05
31	jH	201	PEB	OD-C4D-C3D	-2.13	124.63	129.46
31	F1	201	PEB	CAA-C3A-C4A	-2.13	107.20	112.67
33	Q3	1001	CYC	C1B-NB-C4B	-2.13	107.95	110.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	73	1001	CYC	C1B-NB-C4B	-2.13	107.95	110.67
31	c2	202	PEB	OD-C4D-ND	-2.13	122.77	125.93
33	E2	1001	CYC	CMC-C2C-C1C	-2.13	107.81	112.40
31	UG	201	PEB	C2B-C1B-NB	2.13	115.08	110.53
31	JF	202	PEB	C4B-NB-C1B	-2.13	102.50	106.51
31	RC	202	PEB	C2A-C1A-NA	2.13	110.11	108.27
31	TB	201	PEB	CAC-CBC-CGC	-2.13	107.78	113.76
33	FB	1001	CYC	C1B-CHB-C4A	-2.13	122.88	128.08
31	C1	201	PEB	CBA-CAA-C3A	-2.13	108.72	113.47
33	N2	1001	CYC	CBC-CAC-C3C	2.13	118.21	113.47
31	mD	203	PEB	CHC-C1D-ND	-2.13	111.47	113.95
33	H3	1001	CYC	CAB-C3B-C2B	2.13	131.17	127.53
31	II	202	PEB	C3B-C4B-NB	2.13	113.15	110.05
33	BE	1002	CYC	CMA-C3A-C2A	-2.13	120.33	126.12
31	AH	301	PEB	CBA-CAA-C3A	-2.13	108.72	113.47
31	I4	201	PEB	CMA-C2A-C1A	-2.13	107.81	112.40
31	DH	201	PEB	CHC-C1D-ND	-2.13	111.47	113.95
33	M3	1001	CYC	C1B-NB-C4B	-2.13	107.96	110.67
31	Y4	201	PEB	CAA-C3A-C2A	-2.13	108.94	114.26
33	Q3	1001	CYC	CAB-C3B-C2B	2.13	131.17	127.53
31	C5	202	PEB	CHB-C4B-NB	-2.13	125.87	128.83
31	GA	202	PEB	CAC-CBC-CGC	-2.13	107.79	113.76
31	RA	202	PEB	CHB-C4B-C3B	-2.13	120.40	125.32
33	I3	1001	CYC	C1B-NB-C4B	-2.13	107.96	110.67
31	I4	201	PEB	CAB-CBB-CGB	-2.13	109.02	113.60
33	HD	1001	CYC	CAD-CBD-CGD	-2.13	107.79	113.76
31	UC	202	PEB	CMB-C2B-C1B	2.13	128.34	125.06
31	MJ	201	PEB	C2A-C1A-NA	2.13	110.11	108.27
31	Y9	203	PEB	CHA-C1B-NB	-2.13	120.48	124.93
33	M3	1001	CYC	CAB-C3B-C2B	2.13	131.17	127.53
33	m3	1001	CYC	C1B-NB-C4B	-2.13	107.96	110.67
31	N1	201	PEB	OD-C4D-C3D	-2.13	124.64	129.46
31	M4	201	PEB	CMA-C2A-C1A	-2.13	107.82	112.40
31	gA	203	PEB	CHA-C1B-C2B	2.13	130.37	124.90
31	ZI	301	PEB	OD-C4D-ND	-2.13	122.78	125.93
31	VK	203	PEB	CHA-C4A-NA	-2.13	122.67	125.20
33	V3	1001	CYC	C1A-C2A-C3A	-2.13	104.43	106.78
31	OF	201	PEB	C2B-C1B-NB	2.13	115.07	110.53
31	o8	201	PEB	C2B-C1B-NB	2.13	115.07	110.53
31	e4	202	PEB	CAB-CBB-CGB	-2.13	109.02	113.60
33	HB	1001	CYC	CAD-CBD-CGD	-2.13	107.79	113.76
31	c6	202	PEB	C3B-C4B-NB	2.13	113.14	110.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	h3	1001	CYC	C1B-NB-C4B	-2.13	107.96	110.67
31	R8	201	PEB	CHC-C1D-ND	-2.13	111.48	113.95
31	HK	202	PEB	C2B-C1B-NB	2.13	115.07	110.53
33	B3	1001	CYC	C1B-NB-C4B	-2.13	107.96	110.67
31	d8	202	PEB	CAB-C3B-C4B	2.13	128.77	125.01
31	gC	203	PEB	OD-C4D-C3D	-2.13	124.64	129.46
31	D7	202	PEB	CAA-C3A-C4A	-2.13	107.21	112.67
31	gH	201	PEB	CAA-C3A-C4A	-2.13	107.21	112.67
31	S9	203	PEB	CHA-C4A-NA	-2.13	122.68	125.20
31	HJ	202	PEB	CMA-C2A-C1A	-2.13	107.82	112.40
31	QE	202	PEB	C4B-C3B-C2B	-2.13	104.43	106.78
31	k8	202	PEB	CHA-C1B-NB	-2.13	120.49	124.93
31	HA	203	PEB	CAB-CBB-CGB	-2.13	109.03	113.60
31	gB	201	PEB	CAB-CBB-CGB	-2.13	109.03	113.60
31	LI	201	PEB	CAB-C3B-C4B	2.13	128.77	125.01
31	UC	201	PEB	OD-C4D-ND	-2.13	122.78	125.93
31	m6	202	PEB	CMA-C2A-C1A	-2.13	107.82	112.40
31	qF	202	PEB	C3B-C4B-NB	2.13	113.14	110.05
31	F6	1002	PEB	CHB-C4B-C3B	-2.13	120.41	125.32
33	KC	201	CYC	C3A-C4A-NA	2.13	115.06	110.53
31	FK	203	PEB	CAB-CBB-CGB	-2.13	109.03	113.60
31	D9	201	PEB	CBC-CAC-C2C	-2.13	108.99	112.62
31	qF	202	PEB	CBC-CAC-C2C	-2.13	108.99	112.62
31	M4	201	PEB	OD-C4D-C3D	-2.13	124.65	129.46
33	S3	1001	CYC	C1B-NB-C4B	-2.12	107.96	110.67
33	f3	1001	CYC	C1B-NB-C4B	-2.12	107.96	110.67
33	w3	1001	CYC	C1B-NB-C4B	-2.12	107.96	110.67
31	uF	201	PEB	CBA-CAA-C3A	-2.12	108.74	113.47
31	UA	304	PEB	C3B-C4B-NB	2.12	113.14	110.05
33	73	1002	CYC	CHB-C1B-C2B	-2.12	122.74	126.95
33	u3	1001	CYC	CAB-C3B-C2B	2.12	131.16	127.53
31	X1	202	PEB	CHA-C1B-NB	-2.12	120.49	124.93
31	IA	203	PEB	OD-C4D-C3D	-2.12	124.65	129.46
31	f2	203	PEB	CAB-CBB-CGB	-2.12	109.03	113.60
31	B1	201	PEB	CHA-C4A-NA	2.12	127.73	125.20
31	s8	202	PEB	CHA-C4A-NA	2.12	127.73	125.20
31	WC	202	PEB	CHA-C1B-C2B	2.12	130.36	124.90
31	QE	202	PEB	CHA-C1B-C2B	2.12	130.36	124.90
33	N3	1001	CYC	C1B-NB-C4B	-2.12	107.96	110.67
33	o3	1001	CYC	C1B-NB-C4B	-2.12	107.96	110.67
33	w3	1001	CYC	CAB-C3B-C2B	2.12	131.16	127.53
31	M7	201	PEB	OA-C1A-NA	2.12	127.51	124.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	IJ	202	PEB	OD-C4D-C3D	-2.12	124.65	129.46
31	c2	202	PEB	CHA-C4A-NA	2.12	127.73	125.20
31	SI	203	PEB	CAB-C3B-C4B	2.12	128.76	125.01
31	gF	203	PEB	CAB-C3B-C4B	2.12	128.76	125.01
31	H1	202	PEB	C2B-C1B-NB	2.12	115.06	110.53
31	WI	202	PEB	CAB-C3B-C2B	-2.12	123.92	127.88
31	p8	202	PEB	CBC-CAC-C2C	-2.12	109.00	112.62
31	P7	202	PEB	C1C-CHB-C4B	-2.12	126.27	128.81
31	bD	201	PEB	C1C-CHB-C4B	-2.12	126.27	128.81
31	XJ	202	PEB	C2A-C1A-NA	2.12	110.10	108.27
31	TK	203	PEB	CHA-C1B-NB	-2.12	120.49	124.93
31	OC	201	PEB	CAB-C3B-C4B	2.12	128.76	125.01
31	FI	201	PEB	CAB-C3B-C4B	2.12	128.76	125.01
31	Y6	203	PEB	C1B-C2B-C3B	-2.12	104.07	106.51
31	CK	201	PEB	CBA-CAA-C3A	-2.12	108.74	113.47
31	GI	202	PEB	C3B-C4B-NB	2.12	113.14	110.05
31	O2	203	PEB	OD-C4D-C3D	-2.12	124.65	129.46
31	wF	301	PEB	OD-C4D-C3D	-2.12	124.65	129.46
31	eB	203	PEB	CBC-CAC-C2C	-2.12	109.00	112.62
33	l3	1001	CYC	C1B-NB-C4B	-2.12	107.97	110.67
31	n8	202	PEB	C2B-C1B-NB	2.12	115.06	110.53
31	LD	1002	PEB	CHA-C1B-NB	-2.12	120.50	124.93
31	FF	201	PEB	CAA-C3A-C2A	-2.12	108.96	114.26
31	Z2	203	PEB	OD-C4D-C3D	-2.12	124.65	129.46
31	P1	202	PEB	CMB-C2B-C1B	2.12	128.33	125.06
31	YF	201	PEB	CAC-C2C-C3C	2.12	133.34	127.25
31	s8	201	PEB	OD-C4D-ND	-2.12	122.79	125.93
31	dE	204	PEB	OD-C4D-ND	-2.12	122.79	125.93
31	kB	201	PEB	CAB-C3B-C4B	2.12	128.76	125.01
31	LE	1002	PEB	CHA-C1B-NB	-2.12	120.50	124.93
31	EJ	202	PEB	CBC-CAC-C2C	2.12	116.24	112.62
31	qF	203	PEB	C1B-C2B-C3B	-2.12	104.07	106.51
31	TK	203	PEB	O1B-CGB-CBB	-2.12	116.27	123.08
31	I7	202	PEB	OD-C4D-C3D	-2.12	124.66	129.46
31	xF	302	PEB	OD-C4D-C3D	-2.12	124.66	129.46
31	HH	201	PEB	CMA-C2A-C1A	-2.12	107.83	112.40
33	n3	1001	CYC	CAB-C3B-C2B	2.12	131.16	127.53
31	iB	201	PEB	CHA-C1B-NB	-2.12	120.50	124.93
31	g2	202	PEB	CMB-C2B-C1B	2.12	128.33	125.06
31	aH	202	PEB	CAB-CBB-CGB	-2.12	109.04	113.60
31	GF	201	PEB	C2B-C1B-NB	2.12	115.05	110.53
31	PK	202	PEB	CMB-C2B-C1B	2.12	128.33	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	RD	202	PEB	CMC-C3C-C2C	2.12	128.94	124.94
33	J2	1001	CYC	CHA-C1A-C2A	-2.12	120.42	125.32
31	d4	201	PEB	C2B-C1B-NB	2.12	115.05	110.53
33	C6	1001	CYC	CHB-C1B-NB	-2.12	121.51	126.06
31	UC	202	PEB	CHA-C1B-NB	-2.12	120.50	124.93
31	w8	301	PEB	C2A-C1A-NA	2.12	110.10	108.27
31	DH	202	PEB	CAB-C3B-C4B	2.12	128.76	125.01
31	SD	202	PEB	CAC-CBC-CGC	-2.12	107.82	113.76
31	e4	201	PEB	O2B-CGB-CBB	2.12	120.84	114.03
31	LB	1002	PEB	CHB-C4B-C3B	-2.12	120.43	125.32
31	IH	203	PEB	CAB-C3B-C4B	2.12	128.76	125.01
31	Q5	201	PEB	CAB-CBB-CGB	-2.12	109.04	113.60
31	XK	202	PEB	CHA-C1B-NB	-2.12	120.50	124.93
32	w8	304	PUB	CAC-CBC-CGC	-2.12	109.05	113.60
31	XJ	202	PEB	C3B-C4B-NB	2.12	113.13	110.05
31	hE	201	PEB	CHA-C1B-NB	-2.12	120.50	124.93
31	q8	202	PEB	CBC-CAC-C2C	-2.12	109.01	112.62
33	LB	1001	CYC	CAB-C3B-C2B	2.12	131.15	127.53
31	y8	301	PEB	CAB-CBB-CGB	-2.12	109.05	113.60
31	LK	201	PEB	C3B-C4B-NB	2.12	113.13	110.05
31	t8	203	PEB	C3B-C4B-NB	2.12	113.13	110.05
31	iB	203	PEB	CAB-C3B-C2B	2.12	131.82	127.88
31	VD	201	PEB	CAB-CBB-CGB	-2.12	109.05	113.60
31	e6	202	PEB	CAC-CBC-CGC	-2.12	107.82	113.76
31	d4	203	PEB	CHA-C4A-NA	-2.12	122.69	125.20
31	Y7	503	PEB	CAB-CBB-CGB	-2.12	109.05	113.60
33	JC	1001	CYC	CHA-C1A-C2A	-2.12	120.43	125.32
31	F5	202	PEB	CBA-CAA-C3A	-2.12	108.75	113.47
31	hB	201	PEB	CAB-CBB-CGB	-2.12	109.05	113.60
31	eD	203	PEB	C3B-C4B-NB	2.12	113.13	110.05
31	D6	1002	PEB	CHC-C1D-ND	-2.12	111.49	113.95
31	M9	303	PEB	CHC-C1D-ND	-2.12	111.49	113.95
31	ZH	201	PEB	CAB-C3B-C4B	2.12	128.75	125.01
31	AJ	302	PEB	OD-C4D-ND	-2.12	122.80	125.93
33	BD	1001	CYC	CAA-C2A-C3A	2.12	131.82	127.88
31	VH	202	PEB	OA-C1A-NA	2.12	127.50	124.94
31	BG	203	PEB	C1C-CHB-C4B	2.12	131.34	128.81
31	OF	202	PEB	CAB-CBB-CGB	-2.12	109.05	113.60
31	UH	202	PEB	CAB-CBB-CGB	-2.12	109.05	113.60
31	SJ	202	PEB	CHA-C4A-NA	-2.12	122.69	125.20
31	WG	201	PEB	C2B-C1B-NB	2.12	115.04	110.53
31	IH	201	PEB	C2B-C1B-NB	2.12	115.04	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	cH	201	PEB	CAB-C3B-C4B	2.12	128.75	125.01
31	MI	302	PEB	OD-C4D-ND	-2.12	122.80	125.93
31	SE	202	PEB	CAC-CBC-CGC	-2.11	107.83	113.76
32	x8	306	PUB	O2B-CGB-CBB	2.11	120.82	114.03
31	dD	204	PEB	OD-C4D-ND	-2.11	122.80	125.93
31	R4	202	PEB	CAB-CBB-CGB	2.11	118.15	113.60
31	JF	201	PEB	CBC-CAC-C2C	-2.11	109.01	112.62
31	nF	202	PEB	CBC-CAC-C2C	2.11	116.23	112.62
31	h6	201	PEB	CAB-CBB-CGB	-2.11	109.05	113.60
31	A5	304	PEB	CAA-C3A-C4A	2.11	118.10	112.67
31	fH	202	PEB	C2B-C1B-NB	2.11	115.04	110.53
31	O5	201	PEB	OD-C4D-ND	-2.11	122.80	125.93
31	mF	201	PEB	C1B-C2B-C3B	-2.11	104.08	106.51
31	mB	202	PEB	CMA-C2A-C1A	-2.11	107.85	112.40
31	i2	201	PEB	C4B-NB-C1B	-2.11	102.53	106.51
31	QD	202	PEB	CHA-C1B-C2B	2.11	130.34	124.90
31	K7	202	PEB	CBB-CAB-C3B	-2.11	106.75	112.63
31	Q7	201	PEB	CHB-C4B-C3B	-2.11	120.44	125.32
31	P7	201	PEB	CAB-CBB-CGB	-2.11	109.06	113.60
31	H9	201	PEB	CHC-C1D-ND	-2.11	111.49	113.95
31	WC	201	PEB	C2B-C1B-NB	2.11	115.04	110.53
33	LC	1003	CYC	CHB-C1B-NB	-2.11	121.52	126.06
31	IH	202	PEB	OA-C1A-NA	2.11	127.50	124.94
31	QI	203	PEB	CAB-CBB-CGB	-2.11	109.06	113.60
31	i8	203	PEB	CAB-CBB-CGB	-2.11	109.06	113.60
33	h3	1001	CYC	CAB-C3B-C2B	2.11	131.14	127.53
31	KJ	201	PEB	CAB-C3B-C4B	2.11	128.75	125.01
31	j2	201	PEB	C2B-C1B-NB	2.11	115.04	110.53
31	T6	201	PEB	CAC-CBC-CGC	-2.11	107.84	113.76
31	V1	201	PEB	C3B-C4B-NB	2.11	113.12	110.05
31	HG	203	PEB	CHC-C1D-ND	2.11	116.40	113.95
31	E4	203	PEB	CMB-C2B-C1B	2.11	128.32	125.06
33	x3	1001	CYC	O1A-CGA-CBA	-2.11	116.30	123.08
31	RE	202	PEB	CMC-C3C-C2C	2.11	128.92	124.94
31	F1	203	PEB	CAB-CBB-CGB	-2.11	109.06	113.60
33	y3	1001	CYC	C2A-C1A-NA	2.11	113.12	110.05
31	QI	203	PEB	OD-C4D-C3D	-2.11	124.68	129.46
32	xF	306	PUB	O2B-CGB-CBB	2.11	120.81	114.03
31	I4	203	PEB	CBC-CAC-C2C	-2.11	109.02	112.62
31	mC	201	PEB	CAA-C3A-C2A	-2.11	108.98	114.26
31	A1	201	PEB	CAB-C3B-C2B	-2.11	123.95	127.88
31	O9	201	PEB	CHA-C1B-NB	-2.11	120.52	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	SI	202	PEB	CAB-CBB-CGB	-2.11	109.06	113.60
31	YG	201	PEB	C2B-C1B-NB	2.11	115.03	110.53
33	U3	1001	CYC	C1B-NB-C4B	-2.11	107.98	110.67
33	k3	1001	CYC	C1B-NB-C4B	-2.11	107.98	110.67
31	QC	202	PEB	CHC-C1D-ND	-2.11	111.50	113.95
31	DE	1002	PEB	O1B-CGB-CBB	-2.11	116.30	123.08
31	m2	201	PEB	CAA-C3A-C2A	-2.11	108.99	114.26
33	x3	1001	CYC	OC-C1C-C2C	-2.11	124.50	126.17
31	H5	202	PEB	CMA-C2A-C1A	-2.11	107.85	112.40
31	V1	203	PEB	CHA-C4A-NA	-2.11	122.70	125.20
33	I2	201	CYC	CAB-C3B-C2B	2.11	131.14	127.53
31	hD	201	PEB	C4B-C3B-C2B	-2.11	104.45	106.78
31	P4	202	PEB	CHA-C1B-NB	-2.11	120.52	124.93
31	cB	202	PEB	C3B-C4B-NB	2.11	113.12	110.05
33	LC	1001	CYC	CAA-CBA-CGA	2.11	118.14	113.60
31	L8	201	PEB	CHA-C1B-C2B	2.11	130.32	124.90
31	NK	203	PEB	C1B-C2B-C3B	-2.11	104.09	106.51
31	UE	202	PEB	CHA-C1B-NB	-2.11	120.52	124.93
31	U2	202	PEB	CHA-C1B-NB	-2.11	120.52	124.93
31	T8	202	PEB	CHC-C4C-C3C	2.11	133.93	130.34
31	t8	203	PEB	CBA-CAA-C3A	-2.11	108.77	113.47
31	R5	201	PEB	C3B-C4B-NB	2.11	113.12	110.05
31	F9	201	PEB	C2C-C3C-C4C	-2.11	102.92	111.33
31	dF	201	PEB	CBC-CAC-C2C	-2.11	109.02	112.62
31	n8	202	PEB	CBC-CAC-C2C	2.11	116.22	112.62
31	IG	201	PEB	C2A-C1A-NA	2.11	110.09	108.27
31	HB	1002	PEB	CHA-C1B-NB	-2.11	120.52	124.93
31	c4	202	PEB	O2B-CGB-CBB	2.11	120.81	114.03
31	ZC	203	PEB	OD-C4D-C3D	-2.11	124.68	129.46
31	WI	202	PEB	CMB-C2B-C1B	2.11	128.31	125.06
31	Y7	501	PEB	CMB-C2B-C1B	2.11	128.31	125.06
31	D8	201	PEB	CMB-C2B-C1B	2.11	128.31	125.06
31	O8	203	PEB	CMB-C2B-C1B	2.11	128.31	125.06
31	aC	202	PEB	CAA-C3A-C4A	2.11	118.09	112.67
31	FI	201	PEB	CBC-CAC-C2C	2.11	116.22	112.62
31	c4	202	PEB	CAA-C3A-C2A	-2.11	108.99	114.26
31	Q2	203	PEB	C1C-CHB-C4B	-2.11	126.29	128.81
31	O8	202	PEB	CAB-CBB-CGB	-2.11	109.07	113.60
31	LJ	203	PEB	CHB-C4B-C3B	-2.11	120.45	125.32
31	RE	201	PEB	CMA-C2A-C1A	-2.11	107.86	112.40
31	FJ	201	PEB	CAB-C3B-C4B	2.11	128.74	125.01
31	E8	202	PEB	C2B-C1B-NB	2.11	115.03	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dA	201	PEB	CAC-CBC-CGC	-2.11	107.85	113.76
31	R2	202	PEB	OD-C4D-ND	-2.11	122.81	125.93
31	DD	1002	PEB	O1B-CGB-CBB	-2.11	116.31	123.08
31	aC	201	PEB	OD-C4D-C3D	-2.11	124.69	129.46
31	I1	202	PEB	C2B-C1B-NB	2.11	115.03	110.53
31	IH	202	PEB	CAB-C3B-C4B	2.11	128.74	125.01
31	e4	202	PEB	CBC-CAC-C2C	-2.11	109.03	112.62
31	WH	201	PEB	C3B-C4B-NB	2.11	113.11	110.05
31	N4	201	PEB	CHA-C4A-NA	2.11	127.71	125.20
31	DF	201	PEB	CMB-C2B-C1B	2.11	128.31	125.06
31	sF	203	PEB	CMB-C2B-C1B	2.11	128.31	125.06
31	RD	201	PEB	C1B-C2B-C3B	-2.11	104.09	106.51
31	k2	202	PEB	C1B-C2B-C3B	-2.11	104.09	106.51
31	V8	201	PEB	C1B-C2B-C3B	-2.11	104.09	106.51
31	b8	201	PEB	OD-C4D-C3D	-2.11	124.69	129.46
31	GA	203	PEB	CHA-C1B-NB	-2.11	120.53	124.93
31	V6	201	PEB	CHB-C4B-NB	-2.11	125.91	128.83
33	GB	1001	CYC	CMB-C2B-C1B	2.11	126.80	124.17
31	XK	201	PEB	CAB-CBB-CGB	-2.11	109.07	113.60
31	lB	201	PEB	CAB-C3B-C4B	2.11	128.73	125.01
31	YA	201	PEB	CBB-CAB-C3B	-2.10	106.78	112.63
31	ZD	201	PEB	CHA-C1B-C2B	2.10	130.31	124.90
31	m4	202	PEB	CHA-C1B-NB	-2.10	120.53	124.93
31	PH	201	PEB	OD-C4D-C3D	-2.10	124.69	129.46
31	pF	202	PEB	CBC-CAC-C2C	-2.10	109.03	112.62
31	OF	202	PEB	OD-C4D-ND	-2.10	122.81	125.93
31	W8	201	PEB	CAB-C3B-C4B	2.10	128.73	125.01
31	x8	302	PEB	CAB-C3B-C4B	2.10	128.73	125.01
31	bC	201	PEB	CAB-C3B-C4B	2.10	128.73	125.01
31	Q2	202	PEB	CHC-C1D-ND	-2.10	111.50	113.95
31	S9	202	PEB	OD-C4D-C3D	-2.10	124.69	129.46
31	UH	203	PEB	CMC-C3C-C2C	2.10	128.91	124.94
31	dE	204	PEB	CAA-C3A-C4A	-2.10	107.27	112.67
31	IH	202	PEB	C1B-C2B-C3B	-2.10	104.09	106.51
31	F9	202	PEB	C1B-C2B-C3B	-2.10	104.09	106.51
31	PG	201	PEB	C2A-C1A-NA	2.10	110.09	108.27
33	DE	1001	CYC	C3A-C4A-NA	2.10	115.02	110.53
32	A6	303	PUB	CAC-C2C-C1C	2.10	128.73	125.01
31	e6	203	PEB	CBC-CAC-C2C	-2.10	109.03	112.62
32	wF	304	PUB	CBB-CAB-C3B	-2.10	109.03	112.62
31	AK	201	PEB	C3B-C4B-NB	2.10	113.11	110.05
31	OC	203	PEB	C2B-C1B-NB	2.10	115.02	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	B1	203	PEB	OD-C4D-C3D	-2.10	124.70	129.46
31	M9	303	PEB	CBA-CAA-C3A	2.10	118.15	113.47
31	OK	202	PEB	CBB-CAB-C3B	-2.10	106.79	112.63
31	OD	203	PEB	C2B-C1B-NB	2.10	115.01	110.53
31	X4	202	PEB	C1B-C2B-C3B	-2.10	104.09	106.51
33	ED	1001	CYC	CBD-CAD-C3D	-2.10	109.03	112.62
33	D2	1003	CYC	CHA-C1A-C2A	-2.10	120.47	125.32
31	HI	202	PEB	C1B-C2B-C3B	-2.10	104.10	106.51
31	J1	201	PEB	C1B-C2B-C3B	-2.10	104.10	106.51
31	R7	202	PEB	CAC-CBC-CGC	-2.10	107.87	113.76
31	cD	201	PEB	CHB-C4B-C3B	-2.10	120.47	125.32
31	UD	202	PEB	CHA-C1B-NB	-2.10	120.54	124.93
31	lF	201	PEB	CHA-C1B-NB	-2.10	120.54	124.93
31	a2	202	PEB	CAA-C3A-C4A	2.10	118.07	112.67
31	aF	203	PEB	OD-C4D-ND	-2.10	122.82	125.93
31	NI	202	PEB	CBC-CAC-C2C	-2.10	109.04	112.62
31	R8	201	PEB	CMA-C2A-C1A	-2.10	107.88	112.40
31	aH	203	PEB	CMB-C2B-C1B	2.10	128.30	125.06
33	EE	1001	CYC	CHA-C1A-C2A	-2.10	120.47	125.32
31	FK	201	PEB	CAA-C3A-C4A	-2.10	107.28	112.67
31	ZE	202	PEB	C2B-C1B-NB	2.10	115.01	110.53
31	mC	201	PEB	CHB-C4B-NB	-2.10	125.91	128.83
31	AG	201	PEB	C2A-C1A-NA	2.10	110.08	108.27
31	HK	201	PEB	CAB-CBB-CGB	-2.10	109.08	113.60
31	m6	203	PEB	CHA-C1B-NB	-2.10	120.54	124.93
31	J9	202	PEB	CHA-C4A-NA	-2.10	122.71	125.20
31	BG	201	PEB	CAA-C3A-C2A	-2.10	109.01	114.26
31	k4	202	PEB	O2B-CGB-CBB	2.10	120.77	114.03
33	G6	1001	CYC	CMB-C2B-C1B	2.10	126.79	124.17
31	hH	203	PEB	OD-C4D-ND	-2.10	122.82	125.93
31	KH	201	PEB	CAB-C3B-C4B	2.10	128.72	125.01
31	b2	201	PEB	CAB-C3B-C4B	2.10	128.72	125.01
31	BA	203	PEB	CMA-C2A-C1A	-2.10	107.88	112.40
31	NA	203	PEB	C1C-CHB-C4B	2.10	131.32	128.81
31	QF	201	PEB	OD-C4D-C3D	-2.10	124.71	129.46
31	X1	202	PEB	CAA-C3A-C2A	-2.10	109.02	114.26
31	EH	203	PEB	CMC-C3C-C2C	2.10	128.90	124.94
31	JK	201	PEB	C1B-C2B-C3B	-2.10	104.10	106.51
31	D9	201	PEB	CHA-C1B-NB	-2.10	120.55	124.93
31	KI	202	PEB	CBC-CAC-C2C	-2.10	109.04	112.62
31	XK	201	PEB	OD-C4D-C3D	-2.10	124.71	129.46
31	I5	202	PEB	OD-C4D-C3D	-2.10	124.71	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AE	301	PEB	CHA-C4A-NA	-2.10	122.71	125.20
31	b7	502	PEB	CHA-C4A-NA	2.10	127.70	125.20
31	R6	201	PEB	CMA-C2A-C1A	-2.10	107.88	112.40
33	HE	1001	CYC	CAD-CBD-CGD	-2.10	107.88	113.76
31	BK	203	PEB	OD-C4D-C3D	-2.10	124.71	129.46
31	vF	202	PEB	OD-C4D-C3D	-2.10	124.71	129.46
31	eH	202	PEB	C1B-C2B-C3B	-2.10	104.10	106.51
31	SF	201	PEB	C2B-C1B-NB	2.10	115.00	110.53
31	J4	202	PEB	O2B-CGB-CBB	2.10	120.77	114.03
31	LH	201	PEB	CHA-C1B-C2B	2.10	130.29	124.90
31	cC	202	PEB	CHA-C4A-NA	2.10	127.70	125.20
31	jD	201	PEB	CAB-C3B-C4B	2.10	128.72	125.01
31	WI	201	PEB	CHA-C1B-C2B	-2.10	119.51	124.90
31	VA	202	PEB	C1C-CHB-C4B	-2.10	126.31	128.81
31	VE	201	PEB	C2B-C1B-NB	2.10	115.00	110.53
31	YH	203	PEB	CHA-C1B-NB	-2.10	120.55	124.93
33	u3	1001	CYC	C1B-NB-C4B	-2.10	108.00	110.67
31	W5	202	PEB	OD-C4D-C3D	-2.10	124.71	129.46
31	TE	201	PEB	CHA-C4A-NA	2.10	127.70	125.20
33	K2	201	CYC	CHD-C4C-NC	2.10	127.70	125.20
31	P6	203	PEB	C1B-C2B-C3B	-2.10	104.10	106.51
31	S7	203	PEB	O2C-CGC-CBC	2.10	120.76	114.03
31	W2	201	PEB	C2B-C1B-NB	2.10	115.00	110.53
31	KG	202	PEB	C2A-C1A-NA	2.09	110.08	108.27
31	TI	202	PEB	CBC-CAC-C2C	-2.09	109.05	112.62
32	yF	302	PUB	CBB-CAB-C3B	-2.09	109.05	112.62
33	EE	1001	CYC	CBD-CAD-C3D	-2.09	109.05	112.62
31	M8	201	PEB	CHB-C4B-C3B	-2.09	120.48	125.32
33	I2	201	CYC	CHB-C1B-NB	-2.09	121.56	126.06
31	G1	202	PEB	C2B-C1B-NB	2.09	115.00	110.53
31	L4	202	PEB	CAA-C3A-C2A	-2.09	109.03	114.26
33	63	901	CYC	CBA-CAA-C2A	-2.09	106.81	112.63
31	QA	203	PEB	OD-C4D-C3D	-2.09	124.72	129.46
31	X1	201	PEB	OD-C4D-C3D	-2.09	124.72	129.46
31	mB	203	PEB	CHA-C1B-NB	-2.09	120.55	124.93
31	DK	203	PEB	CAC-CBC-CGC	-2.09	107.89	113.76
31	QC	201	PEB	C2B-C1B-NB	2.09	115.00	110.53
31	AD	304	PEB	CMA-C2A-C1A	-2.09	107.89	112.40
31	H2	1002	PEB	CAC-CBC-CGC	-2.09	107.89	113.76
31	LD	1002	PEB	CAA-C3A-C4A	-2.09	107.30	112.67
33	HE	1001	CYC	CBB-CAB-C3B	-2.09	106.66	112.43
31	NJ	204	PEB	CAB-CBB-CGB	-2.09	109.10	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	H8	202	PEB	C4B-NB-C1B	-2.09	102.57	106.51
31	WJ	202	PEB	OD-C4D-C3D	-2.09	124.72	129.46
31	VD	201	PEB	C2B-C1B-NB	2.09	115.00	110.53
31	G8	201	PEB	C2B-C1B-NB	2.09	115.00	110.53
31	SJ	202	PEB	CHC-C1D-ND	-2.09	111.52	113.95
31	U7	203	PEB	CAB-C3B-C4B	2.09	128.71	125.01
31	QJ	202	PEB	CHC-C4C-C3C	-2.09	126.77	130.34
31	o8	201	PEB	CMA-C2A-C1A	-2.09	107.89	112.40
31	B9	201	PEB	CAB-C3B-C2B	2.09	131.77	127.88
31	eC	201	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	iB	201	PEB	CHB-C4B-C3B	-2.09	120.49	125.32
33	BD	1001	CYC	CHA-C1A-NA	-2.09	125.92	128.83
33	N2	1001	CYC	CHA-C1A-NA	-2.09	125.92	128.83
31	D1	203	PEB	CAC-CBC-CGC	-2.09	107.89	113.76
31	WG	203	PEB	OA-C1A-C2A	-2.09	124.51	126.17
31	QD	203	PEB	OD-C4D-C3D	-2.09	124.72	129.46
31	K8	202	PEB	CBB-CAB-C3B	-2.09	106.82	112.63
31	YK	303	PEB	OD-C4D-ND	-2.09	122.83	125.93
31	iC	201	PEB	CBC-CAC-C2C	2.09	116.19	112.62
31	QD	201	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	NI	202	PEB	C3B-C4B-NB	2.09	113.09	110.05
31	W9	201	PEB	CMD-C2D-C3D	2.09	133.01	130.06
31	fC	202	PEB	OD-C4D-C3D	-2.09	124.72	129.46
31	C7	202	PEB	CHB-C4B-NB	-2.09	125.93	128.83
31	PI	201	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	g8	202	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	fF	202	PEB	C2B-C1B-NB	2.09	114.99	110.53
33	LC	1003	CYC	CAB-C3B-C2B	2.09	131.10	127.53
31	q8	203	PEB	CAB-CBB-CGB	-2.09	109.10	113.60
31	KF	202	PEB	CBB-CAB-C3B	-2.09	106.82	112.63
31	J8	201	PEB	CBC-CAC-C2C	-2.09	109.05	112.62
32	w8	304	PUB	CBB-CAB-C3B	-2.09	109.05	112.62
31	JG	202	PEB	C1B-C2B-C3B	-2.09	104.11	106.51
31	lF	201	PEB	C1B-C2B-C3B	-2.09	104.11	106.51
31	RF	201	PEB	CHC-C1D-ND	-2.09	111.52	113.95
31	XJ	202	PEB	CAB-C3B-C4B	2.09	128.71	125.01
31	P1	201	PEB	OD-C4D-C3D	-2.09	124.73	129.46
31	a6	201	PEB	CAB-CBB-CGB	-2.09	109.11	113.60
31	mB	201	PEB	CHB-C4B-C3B	-2.09	120.49	125.32
31	nF	202	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	dH	201	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	HB	1002	PEB	CHC-C1D-ND	-2.09	111.52	113.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dE	201	PEB	CBC-CAC-C2C	-2.09	109.06	112.62
31	wF	301	PEB	CBC-CAC-C2C	-2.09	109.06	112.62
31	YD	201	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	Y9	203	PEB	CHC-C4C-C3C	-2.09	126.77	130.34
31	jC	203	PEB	CMC-C3C-C2C	2.09	128.88	124.94
31	AI	201	PEB	C2B-C1B-NB	2.09	114.99	110.53
31	II	202	PEB	CBC-CAC-C2C	-2.09	109.06	112.62
31	HA	202	PEB	CAC-CBC-CGC	-2.09	107.90	113.76
31	UC	203	PEB	CHA-C4A-NA	-2.09	122.72	125.20
31	V7	201	PEB	CHA-C4A-NA	2.09	127.69	125.20
33	D6	1001	CYC	CHA-C1A-C2A	-2.09	120.50	125.32
31	VK	202	PEB	OA-C1A-NA	2.09	127.47	124.94
31	RA	201	PEB	CHC-C4C-C3C	-2.09	126.78	130.34
31	f8	202	PEB	C2B-C1B-NB	2.09	114.98	110.53
31	B7	201	PEB	O2B-CGB-CBB	2.09	120.74	114.03
31	H1	201	PEB	CAB-CBB-CGB	-2.09	109.11	113.60
31	H9	203	PEB	OA-C1A-C2A	-2.09	124.51	126.17
31	YJ	201	PEB	CHC-C1D-ND	-2.09	111.52	113.95
31	N1	203	PEB	CHA-C4A-NA	-2.09	122.72	125.20
31	RK	202	PEB	CAB-C3B-C4B	2.09	128.70	125.01
31	t8	202	PEB	CAB-C3B-C4B	2.09	128.70	125.01
33	KC	201	CYC	CHA-C1A-NA	-2.09	125.93	128.83
31	RB	201	PEB	OD-C4D-C3D	-2.09	124.73	129.46
31	e6	202	PEB	CAB-CBB-CGB	-2.09	109.11	113.60
31	LG	201	PEB	CHA-C1B-NB	-2.09	120.57	124.93
31	g8	201	PEB	CHA-C4A-NA	2.09	127.69	125.20
31	f2	202	PEB	OD-C4D-C3D	-2.09	124.73	129.46
33	LB	1001	CYC	CAD-CBD-CGD	-2.09	107.91	113.76
31	E4	202	PEB	O1C-CGC-CBC	-2.09	116.38	123.08
31	f4	202	PEB	CMB-C2B-C1B	2.09	128.28	125.06
31	kH	202	PEB	CHA-C1B-NB	-2.09	120.57	124.93
31	M7	201	PEB	C4B-C3B-C2B	-2.09	104.47	106.78
31	aB	201	PEB	CMA-C2A-C1A	-2.09	107.91	112.40
31	CH	203	PEB	C2B-C1B-NB	2.09	114.98	110.53
33	K2	201	CYC	C3A-C4A-NA	2.09	114.98	110.53
33	HD	1001	CYC	CBB-CAB-C3B	-2.09	106.68	112.43
31	YH	201	PEB	CAC-CBC-CGC	-2.09	107.91	113.76
31	i2	202	PEB	CHC-C4C-C3C	-2.09	126.78	130.34
31	T1	203	PEB	O1B-CGB-CBB	-2.09	116.38	123.08
31	b2	201	PEB	CMB-C2B-C1B	2.09	128.28	125.06
31	LG	202	PEB	CAB-CBB-CGB	-2.09	109.11	113.60
31	H9	203	PEB	CBC-CAC-C2C	-2.09	109.06	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	y8	302	PUB	CBB-CAB-C3B	-2.09	109.06	112.62
31	LI	201	PEB	CAA-C3A-C4A	-2.09	107.32	112.67
31	D5	202	PEB	OD-C4D-C3D	-2.09	124.74	129.46
31	CA	201	PEB	OA-C1A-C2A	-2.09	124.52	126.17
31	FK	201	PEB	CHA-C4A-NA	2.08	127.68	125.20
33	FB	1001	CYC	CMB-C2B-C1B	2.08	126.77	124.17
31	D5	202	PEB	C2A-C1A-NA	2.08	110.07	108.27
31	C8	203	PEB	CHA-C1B-NB	-2.08	120.57	124.93
31	QA	202	PEB	C3B-C4B-NB	2.08	113.08	110.05
31	Y6	201	PEB	CAB-C3B-C4B	2.08	128.69	125.01
31	K4	203	PEB	CAA-C3A-C2A	-2.08	109.05	114.26
33	F2	1001	CYC	CBC-CAC-C3C	2.08	118.11	113.47
31	UI	203	PEB	CAA-C3A-C4A	-2.08	107.32	112.67
31	OC	201	PEB	CMB-C2B-C1B	2.08	128.27	125.06
31	W4	201	PEB	CBA-CAA-C3A	2.08	118.11	113.47
31	e8	202	PEB	CHA-C4A-NA	-2.08	122.73	125.20
31	HC	1002	PEB	CAC-CBC-CGC	-2.08	107.92	113.76
31	MI	305	PEB	CAB-CBB-CGB	-2.08	109.12	113.60
33	I2	201	CYC	CHA-C1A-C2A	-2.08	120.51	125.32
31	UB	202	PEB	CHA-C1B-NB	-2.08	120.58	124.93
31	ZE	203	PEB	OA-C1A-NA	2.08	127.46	124.94
31	S5	202	PEB	CHC-C1D-ND	-2.08	111.53	113.95
31	x8	304	PEB	CHC-C1D-ND	-2.08	111.53	113.95
31	xF	304	PEB	CHC-C1D-ND	-2.08	111.53	113.95
31	WG	201	PEB	C1B-C2B-C3B	-2.08	104.12	106.51
31	LE	1002	PEB	CAA-C3A-C4A	-2.08	107.33	112.67
31	GF	203	PEB	CAA-C3A-C2A	-2.08	109.06	114.26
31	dD	201	PEB	CBC-CAC-C2C	-2.08	109.07	112.62
33	DD	1001	CYC	C3A-C4A-NA	2.08	114.97	110.53
31	OI	202	PEB	CHA-C1B-C2B	2.08	130.25	124.90
31	IK	202	PEB	C2B-C1B-NB	2.08	114.97	110.53
31	NF	201	PEB	C1B-C2B-C3B	-2.08	104.12	106.51
31	m6	201	PEB	CHB-C4B-C3B	-2.08	120.51	125.32
31	hH	201	PEB	CAB-C3B-C4B	2.08	128.69	125.01
31	i6	202	PEB	CHC-C1D-ND	-2.08	111.53	113.95
31	i2	201	PEB	CBC-CAC-C2C	2.08	116.17	112.62
31	SF	202	PEB	OA-C1A-C2A	-2.08	124.52	126.17
31	A1	201	PEB	C3B-C4B-NB	2.08	113.08	110.05
31	H8	201	PEB	C2B-C1B-NB	2.08	114.97	110.53
31	G8	203	PEB	CAB-CBB-CGB	2.08	118.08	113.60
31	P6	201	PEB	CMA-C2A-C1A	-2.08	107.92	112.40
31	IH	203	PEB	CMC-C3C-C2C	2.08	128.86	124.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	CI	202	PEB	CBC-CAC-C2C	-2.08	109.07	112.62
31	VI	202	PEB	CBC-CAC-C2C	-2.08	109.07	112.62
31	FK	202	PEB	CBC-CAC-C2C	2.08	116.17	112.62
31	P1	201	PEB	C1C-CHB-C4B	2.08	131.29	128.81
31	I7	201	PEB	C2B-C1B-NB	2.08	114.97	110.53
31	kF	201	PEB	OA-C1A-C2A	-2.08	124.52	126.17
33	HC	1001	CYC	CBA-CAA-C2A	-2.08	106.85	112.63
31	Z4	202	PEB	C1B-C2B-C3B	-2.08	104.12	106.51
31	s8	203	PEB	CMA-C2A-C1A	-2.08	107.92	112.40
31	fD	202	PEB	C2A-C1A-NA	2.08	110.06	108.27
31	ZI	304	PEB	CAB-CBB-CGB	-2.08	109.13	113.60
31	J8	202	PEB	C4B-NB-C1B	-2.08	102.59	106.51
33	L6	1001	CYC	CAD-CBD-CGD	-2.08	107.93	113.76
31	RI	201	PEB	C2B-C1B-NB	2.08	114.96	110.53
31	n8	201	PEB	CHC-C1D-ND	-2.08	111.53	113.95
31	J4	201	PEB	C1B-C2B-C3B	-2.08	104.12	106.51
31	N7	202	PEB	CAB-C3B-C4B	2.08	128.68	125.01
31	G7	201	PEB	CBD-CAD-C3D	-2.08	117.28	127.62
31	Z2	202	PEB	C2B-C1B-NB	2.08	114.96	110.53
31	hD	203	PEB	C2B-C1B-NB	2.08	114.96	110.53
31	P7	201	PEB	CHB-C4B-C3B	-2.08	120.52	125.32
31	H9	203	PEB	CAC-CBC-CGC	-2.08	107.94	113.76
31	JH	202	PEB	CBC-CAC-C2C	-2.08	109.08	112.62
31	V1	202	PEB	CBC-CAC-C2C	2.08	116.17	112.62
31	lF	202	PEB	CMB-C2B-C1B	2.08	128.26	125.06
31	OJ	201	PEB	CHC-C1D-ND	-2.08	111.53	113.95
31	Q7	203	PEB	CAA-C3A-C4A	-2.08	107.34	112.67
31	WF	201	PEB	CAB-C3B-C4B	2.08	128.68	125.01
31	l8	202	PEB	CMB-C2B-C1B	2.08	128.26	125.06
33	V3	1001	CYC	OC-C1C-C2C	-2.08	124.52	126.17
31	lB	202	PEB	CBB-CAB-C3B	-2.08	106.86	112.63
31	Z9	303	PEB	CHC-C1D-ND	-2.08	111.54	113.95
33	JB	1001	CYC	O2A-CGA-CBA	2.08	120.70	114.03
31	RB	201	PEB	CMA-C2A-C1A	-2.08	107.93	112.40
31	j2	203	PEB	CMC-C3C-C2C	2.08	128.86	124.94
31	BG	202	PEB	CBA-CAA-C3A	-2.08	108.84	113.47
31	qF	203	PEB	CAB-CBB-CGB	-2.08	109.14	113.60
31	SD	202	PEB	CHB-C4B-C3B	-2.08	120.53	125.32
31	R7	201	PEB	CHA-C4A-NA	2.08	127.67	125.20
31	L9	203	PEB	CHA-C4A-NA	-2.08	122.74	125.20
31	OI	203	PEB	CAA-C3A-C4A	2.08	118.00	112.67
31	D7	202	PEB	CAB-C3B-C4B	2.08	128.68	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	MI	303	PUB	CBD-CAD-C3D	-2.08	106.71	112.43
31	A5	301	PEB	CMC-C3C-C2C	2.08	128.85	124.94
31	S8	201	PEB	C2B-C1B-NB	2.08	114.96	110.53
31	RG	201	PEB	C2A-C1A-NA	2.08	110.06	108.27
31	XG	201	PEB	C2A-C1A-NA	2.08	110.06	108.27
31	a2	201	PEB	CHA-C1B-NB	-2.07	120.59	124.93
31	TB	203	PEB	CMB-C2B-C1B	2.07	128.26	125.06
31	AE	304	PEB	CMA-C2A-C1A	-2.07	107.93	112.40
31	jC	201	PEB	C2B-C1B-NB	2.07	114.96	110.53
31	d6	201	PEB	C2A-C1A-NA	2.07	110.06	108.27
31	U2	203	PEB	CHA-C4A-NA	-2.07	122.74	125.20
31	A5	302	PEB	OD-C4D-ND	-2.07	122.86	125.93
31	nF	201	PEB	CHA-C1B-C2B	2.07	130.23	124.90
31	H5	201	PEB	CAA-C3A-C4A	-2.07	107.35	112.67
31	ZB	201	PEB	CHB-C4B-NB	2.07	131.70	128.83
31	DK	202	PEB	C1C-CHB-C4B	2.07	131.29	128.81
31	ZC	201	PEB	CAB-C3B-C4B	2.07	128.68	125.01
31	NK	201	PEB	CAB-C3B-C4B	2.07	128.68	125.01
31	Z9	303	PEB	CBA-CAA-C3A	2.07	118.08	113.47
31	LI	202	PEB	CAB-CBB-CGB	-2.07	109.14	113.60
33	CE	1001	CYC	CHA-C1A-NA	-2.07	125.95	128.83
31	PK	201	PEB	C1B-C2B-C3B	-2.07	104.13	106.51
31	dF	201	PEB	C1B-C2B-C3B	-2.07	104.13	106.51
33	J6	1001	CYC	O2A-CGA-CBA	2.07	120.69	114.03
31	dA	201	PEB	CBC-CAC-C2C	-2.07	109.08	112.62
31	SJ	202	PEB	OD-C4D-ND	-2.07	122.86	125.93
31	RK	203	PEB	OD-C4D-ND	-2.07	122.86	125.93
31	X1	201	PEB	CAB-CBB-CGB	-2.07	109.14	113.60
31	aC	201	PEB	CHA-C1B-NB	-2.07	120.60	124.93
33	L2	1001	CYC	O1D-CGD-CBD	-2.07	116.42	123.08
31	JH	202	PEB	CHA-C4A-NA	-2.07	122.74	125.20
31	W8	201	PEB	CHA-C1B-C2B	2.07	130.23	124.90
31	OG	202	PEB	CMC-C3C-C2C	-2.07	121.03	124.94
31	DF	203	PEB	C2B-C1B-NB	2.07	114.95	110.53
31	c8	202	PEB	OD-C4D-C3D	-2.07	124.77	129.46
31	O5	201	PEB	CBC-CAC-C2C	-2.07	109.08	112.62
31	l6	201	PEB	CHC-C1D-ND	-2.07	111.54	113.95
31	DI	202	PEB	CAB-C3B-C4B	2.07	128.67	125.01
31	k6	201	PEB	CAB-C3B-C4B	2.07	128.67	125.01
31	PK	201	PEB	OD-C4D-C3D	-2.07	124.77	129.46
31	YH	202	PEB	CHC-C1D-ND	-2.07	111.54	113.95
31	tF	202	PEB	CAB-C3B-C4B	2.07	128.67	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	Y7	504	PEB	C1C-CHB-C4B	-2.07	126.33	128.81
31	w8	301	PEB	CBC-CAC-C2C	-2.07	109.09	112.62
31	JG	201	PEB	CAC-CBC-CGC	-2.07	107.95	113.76
31	eF	201	PEB	CAC-CBC-CGC	-2.07	107.95	113.76
31	OK	201	PEB	C1C-CHB-C4B	2.07	131.28	128.81
31	eB	202	PEB	CAB-CBB-CGB	-2.07	109.15	113.60
31	L4	202	PEB	O1B-CGB-CBB	-2.07	116.43	123.08
31	vF	201	PEB	CAA-C3A-C4A	-2.07	107.36	112.67
31	XI	202	PEB	CBC-CAC-C2C	-2.07	109.09	112.62
31	M5	201	PEB	C2A-C1A-NA	2.07	110.06	108.27
31	ID	203	PEB	CAB-C3B-C4B	2.07	128.67	125.01
31	XI	201	PEB	C2B-C1B-NB	2.07	114.94	110.53
33	N2	1001	CYC	CAA-CBA-CGA	2.07	118.06	113.60
31	N4	201	PEB	CHA-C1B-C2B	2.07	130.22	124.90
31	a6	201	PEB	CMA-C2A-C1A	-2.07	107.94	112.40
31	EI	201	PEB	C2B-C1B-NB	2.07	114.94	110.53
31	XK	202	PEB	CAB-C3B-C4B	2.07	128.67	125.01
31	g2	201	PEB	CAB-C3B-C4B	2.07	128.67	125.01
31	G8	203	PEB	CAA-C3A-C2A	-2.07	109.09	114.26
31	iC	202	PEB	CAC-CBC-CGC	-2.07	107.96	113.76
31	J2	1002	PEB	CAA-C3A-C4A	-2.07	107.36	112.67
31	w8	301	PEB	OD-C4D-C3D	-2.07	124.77	129.46
31	IG	203	PEB	OD-C4D-ND	-2.07	122.87	125.93
31	mE	203	PEB	C1B-C2B-C3B	-2.07	104.13	106.51
31	NI	201	PEB	C2B-C1B-NB	2.07	114.94	110.53
32	A4	303	PUB	CAC-C2C-C1C	2.07	128.67	125.01
31	DI	201	PEB	C4B-NB-C1B	-2.07	102.61	106.51
31	T5	201	PEB	C3B-C4B-NB	2.07	113.06	110.05
31	jC	202	PEB	CAB-C3B-C4B	2.07	128.67	125.01
31	JH	202	PEB	O2B-CGB-CBB	2.07	120.67	114.03
31	R4	201	PEB	CMA-C2A-C1A	-2.07	107.95	112.40
31	KH	201	PEB	OA-C1A-NA	2.07	127.45	124.94
31	e2	201	PEB	C2B-C1B-NB	2.07	114.94	110.53
31	AI	202	PEB	CBC-CAC-C2C	-2.07	109.09	112.62
31	L7	201	PEB	CBC-CAC-C2C	-2.07	109.09	112.62
31	AJ	302	PEB	CHA-C4A-NA	-2.07	122.75	125.20
31	DJ	202	PEB	OD-C4D-C3D	-2.07	124.78	129.46
31	eH	201	PEB	CMA-C2A-C1A	-2.07	107.95	112.40
31	CG	201	PEB	C2A-C1A-NA	2.07	110.06	108.27
31	VI	201	PEB	C2B-C1B-NB	2.07	114.94	110.53
31	R1	202	PEB	CAB-C3B-C4B	2.07	128.66	125.01
31	C4	203	PEB	C2B-C1B-NB	2.07	114.94	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	JC	1002	PEB	CAA-C3A-C4A	-2.07	107.37	112.67
31	U9	203	PEB	CBC-CAC-C2C	-2.07	109.09	112.62
31	W8	202	PEB	O1C-CGC-CBC	-2.07	116.44	123.08
31	ZD	202	PEB	C2B-C1B-NB	2.07	114.94	110.53
31	GI	201	PEB	C2B-C1B-NB	2.07	114.94	110.53
31	X1	202	PEB	CAB-C3B-C4B	2.07	128.66	125.01
31	QC	203	PEB	C1C-CHB-C4B	-2.07	126.34	128.81
31	hF	201	PEB	C2A-C1A-NA	2.07	110.05	108.27
31	kH	202	PEB	C2A-C1A-NA	2.07	110.05	108.27
31	UH	202	PEB	OA-C1A-NA	2.07	127.44	124.94
31	iC	201	PEB	C4B-NB-C1B	-2.07	102.62	106.51
31	VB	201	PEB	CHB-C4B-NB	-2.07	125.96	128.83
31	JI	202	PEB	CAA-C3A-C2A	-2.07	109.10	114.26
31	GI	202	PEB	CBC-CAC-C2C	-2.07	109.09	112.62
31	V6	201	PEB	CMA-C2A-C1A	-2.07	107.95	112.40
31	II	201	PEB	C2B-C1B-NB	2.07	114.94	110.53
31	hE	203	PEB	C2B-C1B-NB	2.07	114.94	110.53
32	xF	306	PUB	CHC-C1D-ND	-2.06	111.11	113.72
31	DK	202	PEB	CBD-CAD-C3D	-2.06	117.35	127.62
31	SE	202	PEB	CHB-C4B-C3B	-2.06	120.55	125.32
31	D7	201	PEB	CAB-C3B-C4B	2.06	128.66	125.01
31	bF	201	PEB	CHA-C4A-NA	2.06	127.66	125.20
31	EH	203	PEB	C2B-C1B-NB	2.06	114.94	110.53
31	O2	203	PEB	C2B-C1B-NB	2.06	114.94	110.53
31	a2	201	PEB	OD-C4D-C3D	-2.06	124.78	129.46
33	BD	1001	CYC	OB-C4B-NB	-2.06	120.28	125.08
31	RF	201	PEB	CMA-C2A-C1A	-2.06	107.95	112.40
31	x8	304	PEB	CMB-C2B-C1B	2.06	128.24	125.06
33	GB	1001	CYC	OC-C1C-NC	2.06	127.44	124.94
33	CB	1001	CYC	CHB-C1B-NB	-2.06	121.63	126.06
31	HA	202	PEB	CBC-CAC-C2C	-2.06	109.10	112.62
31	PI	202	PEB	CBC-CAC-C2C	-2.06	109.10	112.62
31	MI	304	PEB	OA-C1A-NA	2.06	127.44	124.94
31	XF	203	PEB	CHA-C1B-NB	-2.06	120.62	124.93
31	Q7	202	PEB	CHA-C1B-NB	-2.06	120.62	124.93
31	OC	202	PEB	OD-C4D-C3D	-2.06	124.79	129.46
31	DF	201	PEB	OD-C4D-C3D	-2.06	124.79	129.46
31	RI	202	PEB	CBC-CAC-C2C	-2.06	109.10	112.62
31	iF	202	PEB	C2B-C1B-NB	2.06	114.93	110.53
31	iE	202	PEB	CHA-C4A-NA	-2.06	122.75	125.20
31	QA	202	PEB	CHB-C4B-NB	-2.06	125.97	128.83
31	DA	201	PEB	CAB-C3B-C4B	2.06	128.66	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	S8	202	PEB	OA-C1A-C2A	-2.06	124.53	126.17
31	KH	202	PEB	CHA-C1B-NB	-2.06	120.62	124.93
31	O7	202	PEB	C2A-C1A-NA	2.06	110.05	108.27
31	i6	201	PEB	CHB-C4B-C3B	-2.06	120.56	125.32
33	NC	1001	CYC	CHA-C1A-NA	-2.06	125.97	128.83
33	EE	1001	CYC	OB-C4B-NB	-2.06	120.29	125.08
31	Y8	201	PEB	CAC-C2C-C3C	2.06	133.17	127.25
31	H4	202	PEB	CAB-CBB-CGB	2.06	118.04	113.60
31	T4	202	PEB	O2B-CGB-CBB	2.06	120.65	114.03
31	U6	202	PEB	CHA-C1B-NB	-2.06	120.62	124.93
31	C7	201	PEB	CAB-C3B-C4B	2.06	128.66	125.01
31	PH	202	PEB	C1B-C2B-C3B	-2.06	104.14	106.51
31	jC	202	PEB	CHA-C1B-C2B	2.06	130.20	124.90
31	DK	203	PEB	CAB-CBB-CGB	-2.06	109.17	113.60
31	AC	305	PEB	CMC-C3C-C2C	2.06	128.83	124.94
33	FC	1001	CYC	CBC-CAC-C3C	2.06	118.06	113.47
31	YH	202	PEB	CAB-C3B-C4B	2.06	128.65	125.01
31	LH	202	PEB	CBC-CAC-C2C	2.06	116.14	112.62
31	OG	201	PEB	C2B-C1B-NB	2.06	114.93	110.53
31	TA	201	PEB	CAA-C3A-C4A	-2.06	107.38	112.67
31	RK	203	PEB	CAB-C3B-C2B	2.06	131.72	127.88
31	iD	202	PEB	CMA-C2A-C1A	-2.06	107.96	112.40
31	O9	201	PEB	CHB-C4B-C3B	-2.06	120.56	125.32
31	MH	201	PEB	CAC-CBC-CGC	-2.06	107.98	113.76
31	iD	202	PEB	CHA-C4A-NA	-2.06	122.75	125.20
31	YA	201	PEB	CHA-C1B-NB	-2.06	120.62	124.93
31	QH	201	PEB	C2B-C1B-NB	2.06	114.93	110.53
31	S5	201	PEB	CAB-C3B-C4B	2.06	128.65	125.01
31	UA	301	PEB	CBA-CAA-C3A	2.06	118.05	113.47
31	l8	203	PEB	CHA-C4A-NA	2.06	127.65	125.20
31	iC	202	PEB	CHC-C4C-C3C	-2.06	126.82	130.34
31	VA	201	PEB	CHB-C4B-NB	-2.06	125.97	128.83
31	F1	202	PEB	CBC-CAC-C2C	2.06	116.13	112.62
31	D9	201	PEB	CHC-C1D-ND	-2.06	111.56	113.95
31	a4	201	PEB	CBA-CAA-C3A	-2.06	108.88	113.47
31	OK	202	PEB	OD-C4D-C3D	-2.06	124.80	129.46
31	L4	201	PEB	C1B-C2B-C3B	-2.06	104.14	106.51
31	KI	201	PEB	C2B-C1B-NB	2.06	114.92	110.53
33	L6	1001	CYC	CAB-C3B-C2B	2.06	131.05	127.53
31	Y9	201	PEB	CHB-C4B-NB	-2.06	125.97	128.83
31	MH	201	PEB	CMA-C2A-C1A	-2.06	107.97	112.40
31	TH	201	PEB	CMA-C2A-C1A	-2.06	107.97	112.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O9	201	PEB	C4B-NB-C1B	-2.06	102.63	106.51
31	gC	201	PEB	CAB-C3B-C4B	2.06	128.65	125.01
31	YB	201	PEB	CAB-CBB-CGB	-2.06	109.17	113.60
31	S9	203	PEB	CAC-CBC-CGC	-2.06	107.99	113.76
31	O1	202	PEB	CBB-CAB-C3B	-2.06	106.91	112.63
31	JF	202	PEB	C2B-C1B-NB	2.06	114.92	110.53
31	oF	201	PEB	C2B-C1B-NB	2.06	114.92	110.53
31	OG	203	PEB	CAB-C3B-C4B	2.06	128.65	125.01
31	AJ	304	PEB	CHC-C1D-ND	-2.06	111.56	113.95
31	E4	202	PEB	CAB-CBB-CGB	-2.06	109.18	113.60
31	TI	201	PEB	C2B-C1B-NB	2.06	114.92	110.53
31	V7	202	PEB	CHA-C1B-C2B	2.06	130.19	124.90
31	P8	201	PEB	C1B-C2B-C3B	-2.06	104.15	106.51
31	K1	202	PEB	CAA-C3A-C4A	-2.06	107.39	112.67
31	E4	201	PEB	CAA-C3A-C4A	-2.06	107.39	112.67
32	ZI	302	PUB	CBD-CAD-C3D	-2.06	106.76	112.43
31	s8	203	PEB	CMB-C2B-C1B	2.06	128.23	125.06
33	GE	201	CYC	CHB-C1B-NB	-2.06	121.64	126.06
31	X7	202	PEB	CAB-C3B-C4B	2.06	128.65	125.01
31	GF	202	PEB	CHA-C4A-NA	-2.06	122.76	125.20
31	AA	501	PEB	CAB-CBB-CGB	-2.06	109.18	113.60
31	RJ	202	PEB	CBC-CAC-C2C	-2.06	109.11	112.62
31	NH	202	PEB	CAA-C3A-C2A	-2.06	109.12	114.26
31	bC	201	PEB	CMB-C2B-C1B	2.06	128.23	125.06
31	sF	201	PEB	OD-C4D-ND	-2.06	122.89	125.93
31	EI	202	PEB	CBC-CAC-C2C	-2.06	109.11	112.62
31	O4	203	PEB	C2A-C1A-NA	2.06	110.05	108.27
31	R4	202	PEB	C2A-C1A-NA	2.06	110.05	108.27
31	AD	304	PEB	CAB-C3B-C4B	2.06	128.64	125.01
31	gD	202	PEB	CMB-C2B-C1B	2.06	128.23	125.06
31	s8	202	PEB	C2A-C3A-C4A	2.05	104.42	101.34
31	SA	202	PEB	CAC-CBC-CGC	-2.05	108.00	113.76
31	WI	203	PEB	CAB-C3B-C4B	2.05	128.64	125.01
31	O9	202	PEB	CHA-C4A-NA	-2.05	122.76	125.20
31	aF	203	PEB	CHA-C4A-NA	2.05	127.65	125.20
31	bA	201	PEB	CHB-C4B-C3B	-2.05	120.57	125.32
31	WA	402	PEB	CAC-CBC-CGC	-2.05	108.00	113.76
31	VG	201	PEB	C2A-C1A-NA	2.05	110.04	108.27
31	WI	203	PEB	C1C-CHB-C4B	-2.05	126.36	128.81
31	YI	201	PEB	O1B-CGB-CBB	-2.05	116.48	123.08
31	B1	202	PEB	CBA-CAA-C3A	-2.05	108.89	113.47
31	JI	202	PEB	CAB-CBB-CGB	-2.05	109.18	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	R5	202	PEB	CBC-CAC-C2C	-2.05	109.11	112.62
31	CF	203	PEB	C2B-C1B-NB	2.05	114.91	110.53
31	W9	203	PEB	CHA-C4A-NA	-2.05	122.76	125.20
31	l6	202	PEB	C4B-C3B-C2B	-2.05	104.51	106.78
31	fA	301	PEB	OA-C1A-C2A	-2.05	124.54	126.17
31	i6	203	PEB	CAB-C3B-C2B	2.05	131.70	127.88
31	M4	201	PEB	CHB-C4B-C3B	-2.05	120.58	125.32
31	D1	202	PEB	CBD-CAD-C3D	-2.05	117.40	127.62
31	IK	201	PEB	OD-C4D-ND	-2.05	122.89	125.93
31	MA	202	PEB	CBD-CAD-C3D	-2.05	117.40	127.62
31	G4	201	PEB	C1C-CHB-C4B	-2.05	126.36	128.81
31	CI	201	PEB	C2B-C1B-NB	2.05	114.91	110.53
31	O2	202	PEB	C2B-C1B-NB	2.05	114.91	110.53
31	D8	203	PEB	C2B-C1B-NB	2.05	114.91	110.53
31	HK	202	PEB	CMB-C2B-C1B	2.05	128.23	125.06
33	ED	1001	CYC	CHA-C1A-C2A	-2.05	120.58	125.32
31	eD	203	PEB	CAB-C3B-C4B	2.05	128.64	125.01
31	GG	201	PEB	OD-C4D-ND	-2.05	122.89	125.93
31	H9	201	PEB	OD-C4D-ND	-2.05	122.89	125.93
31	XH	202	PEB	O2B-CGB-CBB	2.05	120.62	114.03
31	A5	301	PEB	OD-C4D-C3D	-2.05	124.81	129.46
31	H1	202	PEB	CMB-C2B-C1B	2.05	128.22	125.06
33	L2	1001	CYC	CBC-CAC-C3C	2.05	118.04	113.47
31	SI	202	PEB	CAB-C3B-C4B	2.05	128.64	125.01
31	e8	201	PEB	CAC-CBC-CGC	-2.05	108.00	113.76
31	eF	202	PEB	CHA-C4A-NA	-2.05	122.77	125.20
31	A5	302	PEB	C2B-C1B-NB	2.05	114.91	110.53
31	KK	202	PEB	CAA-C3A-C4A	-2.05	107.40	112.67
31	fH	203	PEB	CAB-C3B-C4B	2.05	128.64	125.01
31	A8	202	PEB	OD-C4D-C3D	-2.05	124.81	129.46
31	EJ	202	PEB	CBD-CAD-C3D	-2.05	117.41	127.62
31	Y2	201	PEB	CBB-CAB-C3B	2.05	118.33	112.63
31	NC	1002	PEB	CHA-C1B-NB	-2.05	120.64	124.93
31	H5	201	PEB	CHC-C1D-ND	-2.05	111.56	113.95
31	i2	202	PEB	CAC-CBC-CGC	-2.05	108.01	113.76
31	XA	201	PEB	CAB-CBB-CGB	-2.05	109.19	113.60
31	HF	202	PEB	C2B-C1B-NB	2.05	114.91	110.53
31	GK	202	PEB	C2B-C1B-NB	2.05	114.91	110.53
31	R1	203	PEB	OD-C4D-ND	-2.05	122.89	125.93
31	B9	201	PEB	CHB-C4B-C3B	-2.05	120.58	125.32
31	T4	201	PEB	CAB-C3B-C4B	2.05	128.63	125.01
31	AJ	302	PEB	C2B-C1B-NB	2.05	114.90	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	aH	204	PEB	CHA-C1B-C2B	2.05	130.17	124.90
31	O9	201	PEB	CHC-C4C-C3C	-2.05	126.84	130.34
33	CB	1001	CYC	CMC-C2C-C1C	-2.05	107.98	112.40
33	GD	201	CYC	CHB-C1B-NB	-2.05	121.66	126.06
31	gH	202	PEB	O2B-CGB-CBB	2.05	120.62	114.03
31	YH	203	PEB	CBA-CAA-C3A	-2.05	108.90	113.47
31	HH	202	PEB	C2A-C1A-NA	2.05	110.04	108.27
31	X7	202	PEB	C2A-C1A-NA	2.05	110.04	108.27
31	VC	203	PEB	CAB-C3B-C4B	2.05	128.63	125.01
31	L7	202	PEB	CAB-C3B-C4B	2.05	128.63	125.01
31	gD	201	PEB	CHC-C1D-ND	-2.05	111.57	113.95
31	HJ	201	PEB	CAA-C3A-C4A	-2.05	107.41	112.67
32	A6	302	PUB	CBA-CAA-C3A	-2.05	109.87	112.98
31	GF	203	PEB	O1B-CGB-CBB	-2.05	116.50	123.08
31	S9	203	PEB	C1C-CHB-C4B	-2.05	126.36	128.81
31	G8	201	PEB	CAB-C3B-C4B	2.05	128.63	125.01
31	S5	202	PEB	OD-C4D-ND	-2.05	122.89	125.93
31	gH	201	PEB	CAB-CBB-CGB	-2.05	109.19	113.60
31	j2	202	PEB	CHA-C1B-C2B	2.05	130.17	124.90
31	l8	202	PEB	CAB-CBB-CGB	-2.05	109.19	113.60
31	gF	202	PEB	C2B-C1B-NB	2.05	114.90	110.53
31	K7	202	PEB	CMA-C2A-C1A	-2.05	107.99	112.40
31	AF	201	PEB	CMB-C2B-C3B	-2.05	120.56	126.12
31	L9	201	PEB	CHB-C4B-C3B	-2.05	120.59	125.32
31	QE	201	PEB	C2B-C1B-NB	2.05	114.90	110.53
31	MF	202	PEB	C2B-C1B-NB	2.05	114.90	110.53
31	U5	202	PEB	CHB-C4B-C3B	-2.05	120.59	125.32
31	D1	202	PEB	C1C-CHB-C4B	2.05	131.25	128.81
31	DI	201	PEB	CHA-C1B-C2B	-2.05	119.64	124.90
31	O2	202	PEB	OD-C4D-C3D	-2.05	124.82	129.46
33	J3	1001	CYC	CAA-C2A-C1A	2.05	128.63	125.01
31	GF	203	PEB	CAB-CBB-CGB	2.05	118.01	113.60
31	O1	202	PEB	OD-C4D-C3D	-2.05	124.82	129.46
31	OH	202	PEB	C2B-C1B-NB	2.05	114.90	110.53
31	AF	202	PEB	CAB-C3B-C4B	2.05	128.63	125.01
31	B9	202	PEB	CMA-C2A-C1A	-2.05	107.99	112.40
31	gF	201	PEB	CHA-C4A-NA	2.05	127.64	125.20
31	b7	502	PEB	CAB-CBB-CGB	-2.05	109.20	113.60
31	WE	201	PEB	C2B-C1B-NB	2.05	114.89	110.53
31	sF	203	PEB	CMA-C2A-C1A	-2.05	107.99	112.40
31	JK	203	PEB	C1B-C2B-C3B	-2.05	104.16	106.51
33	G3	1001	CYC	CAA-C2A-C1A	2.05	128.63	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	AF	202	PEB	OD-C4D-C3D	-2.05	124.83	129.46
31	ZE	203	PEB	CBB-CAB-C3B	-2.05	106.94	112.63
31	t8	202	PEB	CMC-C3C-C2C	2.05	128.80	124.94
31	gE	202	PEB	CMB-C2B-C1B	2.04	128.21	125.06
31	HK	202	PEB	CHA-C1B-NB	-2.04	120.66	124.93
31	OD	202	PEB	CHA-C4A-NA	2.04	127.64	125.20
31	ZC	202	PEB	C2B-C1B-NB	2.04	114.89	110.53
31	N7	201	PEB	C2B-C1B-NB	2.04	114.89	110.53
31	SE	202	PEB	CBA-CAA-C3A	-2.04	108.92	113.47
31	iH	201	PEB	CAA-C3A-C2A	-2.04	109.15	114.26
31	R1	203	PEB	CAB-C3B-C2B	2.04	131.69	127.88
31	OI	202	PEB	CAB-C3B-C4B	2.04	128.62	125.01
31	U8	201	PEB	CAB-C3B-C4B	2.04	128.62	125.01
31	lF	203	PEB	CHA-C4A-NA	2.04	127.64	125.20
33	NC	1001	CYC	CAA-CBA-CGA	2.04	118.00	113.60
31	gC	202	PEB	CAB-CBB-CGB	-2.04	109.20	113.60
31	T8	202	PEB	CBD-CAD-C3D	-2.04	117.45	127.62
31	DA	201	PEB	CBB-CAB-C3B	-2.04	106.95	112.63
31	RC	202	PEB	OD-C4D-ND	-2.04	122.90	125.93
31	I8	201	PEB	O2C-CGC-O1C	-2.04	118.21	123.30
31	VB	202	PEB	CAC-CBC-CGC	-2.04	108.03	113.76
31	N1	201	PEB	CAB-C3B-C4B	2.04	128.62	125.01
31	JJ	201	PEB	OD-C4D-ND	-2.04	122.90	125.93
32	Z9	304	PUB	CHB-C1C-NC	-2.04	125.99	128.83
31	SH	203	PEB	C2B-C1B-NB	2.04	114.89	110.53
31	oF	201	PEB	CMA-C2A-C1A	-2.04	108.00	112.40
31	LD	1002	PEB	CAB-C3B-C2B	2.04	131.68	127.88
31	HG	203	PEB	CBD-CAD-C3D	-2.04	117.46	127.62
31	Z9	303	PEB	CAA-C3A-C2A	-2.04	109.16	114.26
31	eH	202	PEB	CAB-CBB-CGB	-2.04	109.21	113.60
31	OI	203	PEB	C1B-C2B-C3B	-2.04	104.16	106.51
31	OI	201	PEB	CBB-CAB-C3B	2.04	118.30	112.63
31	c6	203	PEB	CBB-CAB-C3B	2.04	118.30	112.63
33	H2	1001	CYC	CBA-CAA-C2A	-2.04	106.95	112.63
31	lB	202	PEB	C4B-C3B-C2B	-2.04	104.52	106.78
33	C2	1001	CYC	CHA-C1A-C2A	-2.04	120.60	125.32
31	SI	203	PEB	CHA-C1B-C2B	2.04	130.15	124.90
31	FI	201	PEB	C4B-NB-C1B	-2.04	102.66	106.51
31	T5	203	PEB	CHC-C4C-C3C	-2.04	126.85	130.34
31	UC	203	PEB	C2B-C1B-NB	2.04	114.89	110.53
31	Q2	201	PEB	C2B-C1B-NB	2.04	114.89	110.53
31	KK	201	PEB	C2A-C1A-NA	2.04	110.03	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fA	301	PEB	C2A-C1A-NA	2.04	110.03	108.27
31	I1	201	PEB	OD-C4D-ND	-2.04	122.91	125.93
31	l8	201	PEB	CHA-C1B-NB	-2.04	120.66	124.93
31	TJ	203	PEB	CHC-C4C-C3C	-2.04	126.86	130.34
31	YE	201	PEB	C2B-C1B-NB	2.04	114.89	110.53
33	KC	201	CYC	CHD-C4C-NC	2.04	127.63	125.20
31	N6	1002	PEB	CAA-C3A-C2A	-2.04	109.16	114.26
31	BG	203	PEB	C3B-C4B-NB	2.04	113.02	110.05
33	JC	1001	CYC	CBD-CAD-C3D	2.04	116.10	112.62
31	PA	201	PEB	CAB-CBB-CGB	-2.04	109.21	113.60
31	lB	201	PEB	CHA-C1B-NB	-2.04	120.67	124.93
33	ED	1001	CYC	OB-C4B-NB	-2.04	120.34	125.08
31	JA	201	PEB	CAA-C3A-C4A	-2.04	107.43	112.67
31	A8	201	PEB	CMB-C2B-C3B	-2.04	120.58	126.12
31	KK	201	PEB	C2B-C1B-NB	2.04	114.88	110.53
31	AK	201	PEB	CAB-C3B-C2B	-2.04	124.08	127.88
31	l2	201	PEB	CBC-CAC-C2C	-2.04	109.14	112.62
31	PF	201	PEB	CHA-C1B-C2B	2.04	130.15	124.90
31	ZI	303	PEB	OA-C1A-NA	2.04	127.41	124.94
31	b7	502	PEB	CHA-C1B-C2B	2.04	130.14	124.90
31	aB	202	PEB	CHA-C1B-C2B	2.04	130.14	124.90
31	eF	202	PEB	CHB-C4B-C3B	-2.04	120.61	125.32
31	CH	201	PEB	CAB-CBB-CGB	-2.04	109.22	113.60
31	PK	202	PEB	CAC-CBC-CGC	-2.04	108.04	113.76
31	f4	202	PEB	C2B-C1B-NB	2.04	114.88	110.53
31	CH	202	PEB	C1C-CHB-C4B	-2.04	126.37	128.81
31	aF	202	PEB	CAB-C3B-C4B	2.04	128.61	125.01
31	WF	202	PEB	O1C-CGC-CBC	-2.04	116.53	123.08
31	G8	203	PEB	O1B-CGB-CBB	-2.04	116.53	123.08
31	RC	202	PEB	CAC-CBC-CGC	-2.04	108.05	113.76
31	NF	202	PEB	C2A-C1A-NA	2.04	110.03	108.27
31	a6	202	PEB	CHA-C1B-C2B	2.04	130.14	124.90
31	PK	202	PEB	C2B-C1B-NB	2.04	114.88	110.53
33	LC	1001	CYC	O1D-CGD-CBD	-2.04	116.53	123.08
31	YE	201	PEB	CBA-CAA-C3A	-2.04	108.93	113.47
31	aE	202	PEB	CMB-C2B-C1B	2.04	128.20	125.06
31	WD	202	PEB	C2B-C1B-NB	2.04	114.88	110.53
31	b2	201	PEB	OD-C4D-ND	-2.04	122.91	125.93
31	H1	201	PEB	OD-C4D-C3D	-2.04	124.84	129.46
33	LC	1003	CYC	CHA-C1A-C2A	-2.04	120.61	125.32
31	DJ	202	PEB	CAB-C3B-C4B	2.04	128.61	125.01
31	V2	203	PEB	CAB-C3B-C4B	2.04	128.61	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	v3	1001	CYC	CAA-C2A-C1A	2.04	128.61	125.01
31	DA	201	PEB	C1B-C2B-C3B	-2.04	104.17	106.51
32	AE	302	PUB	CBA-CAA-C3A	-2.04	109.89	112.98
31	F8	201	PEB	OD-C4D-C3D	-2.04	124.85	129.46
31	WH	202	PEB	CAB-CBB-CGB	-2.04	109.22	113.60
31	PK	201	PEB	C1C-CHB-C4B	2.04	131.24	128.81
31	Z2	202	PEB	C1C-CHB-C4B	2.04	131.24	128.81
31	eE	201	PEB	CAB-C3B-C4B	2.04	128.61	125.01
31	gH	201	PEB	CMD-C2D-C3D	2.04	132.94	130.06
31	aD	202	PEB	CAC-CBC-CGC	-2.04	108.05	113.76
31	eE	201	PEB	CAB-CBB-CGB	-2.04	109.22	113.60
31	VC	203	PEB	OA-C1A-NA	2.04	127.41	124.94
31	F1	201	PEB	CHA-C4A-NA	2.04	127.63	125.20
31	NB	1002	PEB	CAA-C3A-C2A	-2.04	109.17	114.26
31	S4	202	PEB	C2B-C1B-NB	2.04	114.87	110.53
31	QI	203	PEB	CAB-C3B-C4B	2.04	128.61	125.01
31	D8	201	PEB	OD-C4D-C3D	-2.04	124.85	129.46
31	PH	202	PEB	O2B-CGB-CBB	2.04	120.57	114.03
31	iB	203	PEB	C1B-C2B-C3B	-2.04	104.17	106.51
31	cA	403	PEB	CAC-CBC-CGC	-2.04	108.05	113.76
31	C8	203	PEB	C2B-C1B-NB	2.04	114.87	110.53
31	e2	202	PEB	C1C-CHB-C4B	-2.04	126.38	128.81
31	TG	201	PEB	CHC-C1D-ND	-2.03	111.58	113.95
31	SJ	201	PEB	CAB-C3B-C4B	2.03	128.61	125.01
31	WB	201	PEB	OA-C1A-NA	2.03	127.41	124.94
31	ZF	202	PEB	C4B-NB-C1B	-2.03	102.68	106.51
31	QA	201	PEB	CAB-CBB-CGB	-2.03	109.22	113.60
31	O6	201	PEB	CBB-CAB-C3B	-2.03	106.97	112.63
31	M8	202	PEB	C2B-C1B-NB	2.03	114.87	110.53
31	E5	202	PEB	CBD-CAD-C3D	-2.03	117.50	127.62
33	C3	1001	CYC	CAA-C2A-C1A	2.03	128.61	125.01
31	h8	202	PEB	C2B-C1B-NB	2.03	114.87	110.53
31	cB	203	PEB	CBB-CAB-C3B	2.03	118.28	112.63
31	I7	203	PEB	CAB-CBB-CGB	-2.03	109.23	113.60
31	gH	202	PEB	C2A-C1A-NA	2.03	110.03	108.27
31	H1	202	PEB	CHA-C1B-NB	-2.03	120.68	124.93
31	J4	201	PEB	CAB-C3B-C4B	2.03	128.60	125.01
33	73	1002	CYC	CBB-CAB-C3B	-2.03	106.83	112.43
31	CH	202	PEB	CMC-C3C-C2C	2.03	128.78	124.94
31	RC	201	PEB	C4B-NB-C1B	-2.03	102.68	106.51
31	B9	201	PEB	OD-C4D-ND	-2.03	122.92	125.93
31	UF	201	PEB	CAB-C3B-C4B	2.03	128.60	125.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	dA	202	PEB	CAB-CBB-CGB	-2.03	109.23	113.60
31	Z8	202	PEB	CMB-C2B-C1B	2.03	128.19	125.06
31	hA	301	PEB	OA-C1A-C2A	-2.03	124.56	126.17
31	aE	202	PEB	CAC-CBC-CGC	-2.03	108.06	113.76
31	JG	201	PEB	C2B-C1B-NB	2.03	114.87	110.53
31	TB	203	PEB	CAA-C3A-C4A	-2.03	107.45	112.67
31	KH	202	PEB	CHB-C4B-C3B	-2.03	120.63	125.32
31	dD	204	PEB	CAA-C3A-C4A	-2.03	107.46	112.67
31	dA	202	PEB	CHB-C4B-C3B	-2.03	120.63	125.32
31	V7	201	PEB	C2B-C1B-NB	2.03	114.86	110.53
31	Q1	201	PEB	OA-C1A-C2A	-2.03	124.56	126.17
31	hD	202	PEB	CAB-CBB-CGB	-2.03	109.23	113.60
31	D2	1002	PEB	CBC-CAC-C2C	-2.03	109.15	112.62
33	JB	1001	CYC	CAA-CBA-CGA	2.03	117.97	113.60
33	NC	1001	CYC	CBB-CAB-C3B	-2.03	106.83	112.43
31	L9	202	PEB	CHA-C4A-NA	-2.03	122.79	125.20
31	DH	202	PEB	CAB-CBB-CGB	-2.03	109.23	113.60
31	eD	201	PEB	CAB-CBB-CGB	-2.03	109.23	113.60
31	D1	203	PEB	CAB-CBB-CGB	-2.03	109.23	113.60
31	Y6	201	PEB	CAB-CBB-CGB	-2.03	109.23	113.60
31	T6	203	PEB	CAA-C3A-C4A	-2.03	107.46	112.67
31	U2	203	PEB	C2B-C1B-NB	2.03	114.86	110.53
31	A8	202	PEB	CAB-C3B-C4B	2.03	128.60	125.01
31	Q7	203	PEB	CAC-CBC-CGC	-2.03	108.07	113.76
31	c2	201	PEB	CHB-C4B-NB	-2.03	126.01	128.83
31	YB	201	PEB	CAB-C3B-C4B	2.03	128.60	125.01
32	AH	304	PUB	CAC-C2C-C1C	2.03	128.60	125.01
31	RB	201	PEB	CMD-C2D-C3D	2.03	132.93	130.06
31	K1	201	PEB	C2B-C1B-NB	2.03	114.86	110.53
31	f4	202	PEB	CAB-CBB-CGB	-2.03	109.24	113.60
31	C4	203	PEB	CAB-C3B-C4B	2.03	128.60	125.01
33	HC	1001	CYC	CHA-C1A-C2A	-2.03	120.64	125.32
31	M8	201	PEB	CBB-CAB-C3B	-2.03	106.99	112.63
31	bD	201	PEB	C2B-C1B-NB	2.03	114.86	110.53
31	OJ	201	PEB	CBC-CAC-C2C	-2.03	109.16	112.62
31	MH	202	PEB	CHC-C1D-ND	-2.03	111.59	113.95
31	R2	202	PEB	CAC-CBC-CGC	-2.03	108.07	113.76
31	P4	202	PEB	C2A-C1A-NA	2.03	110.02	108.27
31	H8	202	PEB	C2B-C1B-NB	2.03	114.86	110.53
31	E4	202	PEB	CAA-C3A-C2A	-2.03	109.19	114.26
31	v8	201	PEB	CAA-C3A-C4A	-2.03	107.47	112.67
31	hA	301	PEB	CMB-C2B-C1B	2.03	128.19	125.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	fH	201	PEB	CHC-C1D-ND	-2.03	111.59	113.95
31	b2	203	PEB	CAA-C3A-C2A	-2.03	109.19	114.26
31	M9	303	PEB	CAA-C3A-C2A	-2.03	109.19	114.26
31	eC	203	PEB	CAA-C3A-C2A	-2.03	109.19	114.26
31	PA	201	PEB	CHA-C1B-NB	-2.03	120.69	124.93
31	C7	201	PEB	CBD-CAD-C3D	-2.03	117.54	127.62
31	FK	203	PEB	C2B-C1B-NB	2.03	114.85	110.53
31	x8	302	PEB	OD-C4D-C3D	-2.03	124.87	129.46
31	m8	201	PEB	C1B-C2B-C3B	-2.03	104.18	106.51
31	I1	202	PEB	C2A-C1A-NA	2.03	110.02	108.27
31	dB	201	PEB	C2A-C1A-NA	2.03	110.02	108.27
31	R5	201	PEB	CAA-C3A-C4A	-2.03	107.47	112.67
31	NB	1002	PEB	CHA-C1B-NB	-2.03	120.69	124.93
32	AC	303	PUB	CMD-C2D-C3D	2.03	130.81	127.77
31	GF	203	PEB	O1C-CGC-CBC	-2.03	116.57	123.08
31	A8	201	PEB	CMA-C2A-C1A	-2.03	108.04	112.40
31	A2	305	PEB	CMC-C3C-C2C	2.03	128.76	124.94
31	aE	201	PEB	C2B-C1B-NB	2.03	114.85	110.53
31	EA	501	PEB	CAB-CBB-CGB	-2.03	109.25	113.60
31	I4	202	PEB	CMA-C2A-C1A	-2.02	108.04	112.40
31	A5	304	PEB	OD-C4D-C3D	-2.02	124.87	129.46
31	OH	203	PEB	CAB-C3B-C4B	2.02	128.59	125.01
33	V3	1001	CYC	OC-C1C-NC	2.02	127.39	124.94
31	BK	202	PEB	CBA-CAA-C3A	-2.02	108.96	113.47
31	LE	1002	PEB	CAB-C3B-C2B	2.02	131.65	127.88
31	g2	202	PEB	CAB-CBB-CGB	-2.02	109.25	113.60
31	i6	203	PEB	C1B-C2B-C3B	-2.02	104.18	106.51
31	v8	201	PEB	C1B-C2B-C3B	-2.02	104.18	106.51
31	TF	202	PEB	CBD-CAD-C3D	-2.02	117.55	127.62
31	l6	202	PEB	CBB-CAB-C3B	-2.02	107.00	112.63
31	WH	203	PEB	CAB-C3B-C4B	2.02	128.59	125.01
33	e3	1001	CYC	CAA-C2A-C1A	2.02	128.59	125.01
31	WH	201	PEB	CAA-C3A-C2A	-2.02	109.20	114.26
31	iB	203	PEB	CAA-C3A-C2A	-2.02	109.20	114.26
31	VB	202	PEB	CMA-C2A-C1A	-2.02	108.04	112.40
31	aD	202	PEB	CMB-C2B-C1B	2.02	128.18	125.06
31	l6	201	PEB	CHA-C1B-NB	-2.02	120.70	124.93
31	D5	202	PEB	CMD-C2D-C3D	2.02	132.92	130.06
31	V1	202	PEB	OA-C1A-NA	2.02	127.39	124.94
31	sF	202	PEB	C2A-C3A-C4A	2.02	104.37	101.34
31	iB	202	PEB	CHC-C1D-ND	-2.02	111.60	113.95
31	UG	202	PEB	CBC-CAC-C2C	-2.02	109.17	112.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	F1	202	PEB	OA-C1A-NA	2.02	127.39	124.94
33	F6	1001	CYC	CMB-C2B-C1B	2.02	126.69	124.17
31	lB	201	PEB	CHC-C1D-ND	-2.02	111.60	113.95
31	OC	202	PEB	C2B-C1B-NB	2.02	114.84	110.53
31	U8	202	PEB	C2B-C1B-NB	2.02	114.84	110.53
31	lE	203	PEB	CAB-C3B-C4B	2.02	128.59	125.01
31	o8	202	PEB	CMC-C3C-C2C	2.02	128.75	124.94
31	A7	202	PEB	C1C-CHB-C4B	-2.02	126.39	128.81
31	M8	201	PEB	C1B-C2B-C3B	-2.02	104.19	106.51
31	d8	201	PEB	CBC-CAC-C2C	-2.02	109.17	112.62
31	TH	201	PEB	CHA-C1B-C2B	2.02	130.10	124.90
31	V7	202	PEB	CAB-C3B-C4B	2.02	128.58	125.01
33	A3	1001	CYC	CAA-C2A-C1A	2.02	128.58	125.01
31	RJ	201	PEB	CAA-C3A-C4A	-2.02	107.48	112.67
31	b7	501	PEB	CBA-CAA-C3A	-2.02	108.97	113.47
31	WD	203	PEB	C2B-C1B-NB	2.02	114.84	110.53
31	FK	202	PEB	CBD-CAD-C3D	-2.02	117.57	127.62
31	VH	202	PEB	C1B-C2B-C3B	-2.02	104.19	106.51
32	AB	302	PUB	CBA-CAA-C3A	-2.02	109.91	112.98
31	FG	202	PEB	CMA-C2A-C1A	-2.02	108.05	112.40
31	E7	203	PEB	CAC-CBC-CGC	-2.02	108.09	113.76
31	GF	201	PEB	CAB-C3B-C4B	2.02	128.58	125.01
31	ZD	203	PEB	CBB-CAB-C3B	-2.02	107.01	112.63
31	JI	203	PEB	CHC-C4C-C3C	-2.02	126.89	130.34
31	AA	501	PEB	C1C-CHB-C4B	-2.02	126.40	128.81
31	bB	201	PEB	C2A-C1A-NA	2.02	110.01	108.27
31	CF	203	PEB	CHC-C1D-ND	-2.02	111.60	113.95
31	V6	202	PEB	CMA-C2A-C1A	-2.02	108.05	112.40
31	vF	202	PEB	C2B-C1B-NB	2.02	114.84	110.53
31	c6	201	PEB	C1C-CHB-C4B	2.02	131.22	128.81
31	F1	202	PEB	CBD-CAD-C3D	-2.02	117.57	127.62
31	GA	201	PEB	CAB-CBB-CGB	-2.02	109.26	113.60
31	AF	201	PEB	CMA-C2A-C1A	-2.02	108.05	112.40
31	ZD	202	PEB	CAC-CBC-CGC	-2.02	108.10	113.76
31	V6	202	PEB	C2B-C1B-NB	2.02	114.84	110.53
33	H2	1001	CYC	CHA-C1A-C2A	-2.02	120.66	125.32
31	KK	201	PEB	CHC-C1D-ND	-2.02	111.60	113.95
32	AD	302	PUB	CBA-CAA-C3A	-2.02	109.92	112.98
31	P1	202	PEB	C2B-C1B-NB	2.02	114.84	110.53
31	JG	201	PEB	CMB-C2B-C1B	2.02	128.17	125.06
31	NA	203	PEB	CBC-CAC-C2C	-2.02	109.18	112.62
31	OI	203	PEB	CHA-C1B-NB	-2.02	120.71	124.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	xF	302	PEB	CAB-C3B-C4B	2.02	128.58	125.01
31	l6	202	PEB	O1B-CGB-CBB	-2.02	116.60	123.08
32	AB	302	PUB	C1D-CHC-C4C	-2.02	108.98	113.37
31	bF	202	PEB	CAB-CBB-CGB	-2.02	109.26	113.60
31	DI	201	PEB	CMB-C2B-C1B	2.02	128.17	125.06
31	TA	201	PEB	CAB-C3B-C4B	2.02	128.58	125.01
31	J8	202	PEB	C2B-C1B-NB	2.02	114.83	110.53
31	X1	202	PEB	CHB-C4B-C3B	-2.02	120.66	125.32
31	hH	203	PEB	CBD-CAD-C3D	-2.02	117.58	127.62
31	f2	202	PEB	CHC-C4C-C3C	-2.02	126.90	130.34
31	O7	202	PEB	CMA-C2A-C1A	-2.02	108.06	112.40
31	HB	1002	PEB	CAC-CBC-CGC	-2.02	108.10	113.76
31	X8	203	PEB	CHA-C1B-NB	-2.02	120.71	124.93
31	iH	202	PEB	CHA-C1B-C2B	2.02	130.09	124.90
31	PK	201	PEB	C3B-C4B-NB	2.02	112.98	110.05
31	T2	201	PEB	CAB-CBB-CGB	-2.02	109.26	113.60
32	A4	304	PUB	CAC-CBC-CGC	-2.02	109.26	113.60
31	P1	202	PEB	CAC-CBC-CGC	-2.02	108.11	113.76
31	AJ	304	PEB	OD-C4D-C3D	-2.02	124.89	129.46
31	TC	202	PEB	CBD-CAD-C3D	-2.02	117.59	127.62
31	a4	203	PEB	C2B-C1B-NB	2.02	114.83	110.53
33	x3	1001	CYC	OC-C1C-NC	2.02	127.38	124.94
31	AD	301	PEB	CAB-C3B-C4B	2.02	128.57	125.01
31	t8	201	PEB	CMB-C2B-C1B	2.02	128.17	125.06
31	V4	202	PEB	C2A-C1A-NA	2.02	110.01	108.27
31	Q9	201	PEB	C2A-C1A-NA	2.02	110.01	108.27
31	UI	204	PEB	CMC-C3C-C2C	2.02	128.74	124.94
31	n8	201	PEB	CHA-C1B-C2B	2.02	130.08	124.90
31	VG	203	PEB	CAB-C3B-C2B	2.02	131.63	127.88
31	ZF	202	PEB	CMB-C2B-C1B	2.02	128.17	125.06
31	BK	202	PEB	CHB-C4B-C3B	-2.02	120.66	125.32
32	A2	303	PUB	CMD-C2D-C3D	2.02	130.79	127.77
31	T1	201	PEB	C1B-C2B-C3B	-2.02	104.19	106.51
31	T7	202	PEB	CAB-C3B-C4B	2.02	128.57	125.01
31	O5	201	PEB	CHC-C1D-ND	-2.02	111.61	113.95
33	CB	1001	CYC	CHB-C4A-C3A	2.02	130.08	124.90
33	L2	1001	CYC	OB-C4B-NB	-2.02	120.39	125.08
31	aD	201	PEB	C2B-C1B-NB	2.02	114.83	110.53
33	CC	1001	CYC	CHA-C1A-C2A	-2.01	120.67	125.32
31	Q5	201	PEB	CHA-C4A-NA	2.01	127.60	125.20
31	O4	201	PEB	CMA-C2A-C1A	-2.01	108.06	112.40
31	v8	202	PEB	C2B-C1B-NB	2.01	114.83	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	O7	201	PEB	CAB-C3B-C4B	2.01	128.57	125.01
31	P7	201	PEB	CAB-C3B-C4B	2.01	128.57	125.01
31	bA	201	PEB	CAB-C3B-C4B	2.01	128.57	125.01
31	fC	201	PEB	CBC-CAC-C2C	-2.01	109.18	112.62
31	V6	202	PEB	CAC-CBC-CGC	-2.01	108.11	113.76
31	M7	203	PEB	OD-C4D-ND	-2.01	122.95	125.93
31	bC	201	PEB	OD-C4D-ND	-2.01	122.95	125.93
31	bD	202	PEB	C2A-C1A-NA	2.01	110.01	108.27
31	NJ	204	PEB	CAB-C3B-C4B	2.01	128.57	125.01
33	l3	1001	CYC	CAA-C2A-C1A	2.01	128.57	125.01
31	TH	202	PEB	CHA-C4A-NA	-2.01	122.81	125.20
31	Q7	202	PEB	OD-C4D-C3D	-2.01	124.90	129.46
31	AJ	301	PEB	CMC-C3C-C2C	2.01	128.74	124.94
31	WE	203	PEB	C2B-C1B-NB	2.01	114.83	110.53
31	HA	203	PEB	CHB-C4B-NB	-2.01	126.03	128.83
31	AE	304	PEB	CAB-C3B-C4B	2.01	128.57	125.01
31	g6	203	PEB	C1B-C2B-C3B	-2.01	104.20	106.51
31	U7	201	PEB	CHA-C4A-NA	2.01	127.60	125.20
32	Q4	202	PUB	CBA-CAA-C3A	2.01	116.03	112.98
31	VB	201	PEB	CMA-C2A-C1A	-2.01	108.06	112.40
31	hH	202	PEB	CAA-C3A-C2A	-2.01	109.23	114.26
33	N3	1001	CYC	CAA-C2A-C1A	2.01	128.57	125.01
31	V5	203	PEB	CAA-C3A-C4A	-2.01	107.51	112.67
31	B1	203	PEB	CHA-C1B-NB	-2.01	120.72	124.93
31	S5	202	PEB	CHA-C4A-NA	-2.01	122.81	125.20
31	l6	201	PEB	CAB-C3B-C4B	2.01	128.57	125.01
31	K1	201	PEB	CHC-C1D-ND	-2.01	111.61	113.95
31	LB	1002	PEB	CBD-CAD-C3D	-2.01	117.61	127.62
31	R2	201	PEB	C4B-NB-C1B	-2.01	102.72	106.51
31	IK	202	PEB	C2A-C1A-NA	2.01	110.01	108.27
31	OH	201	PEB	CBA-CAA-C3A	-2.01	108.99	113.47
31	d8	201	PEB	CAB-C3B-C4B	2.01	128.57	125.01
33	P3	1001	CYC	CAA-C2A-C1A	2.01	128.57	125.01
31	VK	203	PEB	OD-C4D-C3D	-2.01	124.90	129.46
31	AJ	301	PEB	OD-C4D-C3D	-2.01	124.91	129.46
31	G4	202	PEB	C1C-CHB-C4B	-2.01	126.41	128.81
32	K1	203	PUB	CBA-CAA-C3A	-2.01	109.93	112.98
31	W7	202	PEB	C4B-NB-C1B	-2.01	102.72	106.51
31	VK	202	PEB	CBC-CAC-C2C	2.01	116.05	112.62
31	OE	201	PEB	CAC-CBC-CGC	-2.01	108.12	113.76
31	I8	203	PEB	CAC-CBC-CGC	-2.01	108.12	113.76
31	UH	201	PEB	CMA-C2A-C1A	-2.01	108.07	112.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	NK	201	PEB	C1B-C2B-C3B	-2.01	104.20	106.51
31	T8	201	PEB	C1B-C2B-C3B	-2.01	104.20	106.51
31	LE	1002	PEB	CMB-C2B-C1B	2.01	128.16	125.06
33	g3	1001	CYC	CAA-C2A-C1A	2.01	128.56	125.01
31	AH	302	PEB	CBC-CAC-C2C	-2.01	109.19	112.62
31	mD	203	PEB	CHA-C4A-NA	-2.01	122.82	125.20
31	aA	201	PEB	C1B-C2B-C3B	-2.01	104.20	106.51
31	O1	201	PEB	C1C-CHB-C4B	2.01	131.21	128.81
31	fC	202	PEB	CHC-C4C-C3C	-2.01	126.91	130.34
33	i3	1001	CYC	CAA-C2A-C1A	2.01	128.56	125.01
31	jH	203	PEB	C2B-C1B-NB	2.01	114.82	110.53
31	L6	1002	PEB	CBD-CAD-C3D	-2.01	117.62	127.62
31	hE	201	PEB	C4B-C3B-C2B	-2.01	104.56	106.78
31	WE	201	PEB	OA-C1A-C2A	-2.01	124.58	126.17
31	lB	202	PEB	CHA-C1B-NB	-2.01	120.73	124.93
31	TC	201	PEB	CAB-CBB-CGB	-2.01	109.28	113.60
31	Y5	201	PEB	CHC-C1D-ND	-2.01	111.61	113.95
31	KH	202	PEB	CBA-CAA-C3A	-2.01	109.00	113.47
31	AK	201	PEB	CBA-CAA-C3A	2.01	117.94	113.47
31	mB	203	PEB	C2A-C1A-NA	2.01	110.00	108.27
31	cA	401	PEB	CAB-CBB-CGB	-2.01	109.28	113.60
33	t3	1001	CYC	CAA-C2A-C1A	2.01	128.56	125.01
33	l3	1001	CYC	CHB-C1B-C2B	-2.01	122.97	126.95
31	JH	202	PEB	CAA-C3A-C4A	2.01	117.83	112.67
32	M9	304	PUB	CHB-C1C-NC	-2.01	126.04	128.83
31	AA	501	PEB	CAA-C3A-C2A	-2.01	109.24	114.26
31	i6	203	PEB	CAA-C3A-C2A	-2.01	109.24	114.26
31	O8	202	PEB	OD-C4D-ND	-2.01	122.96	125.93
31	lB	202	PEB	O1B-CGB-CBB	-2.01	116.63	123.08
31	VH	202	PEB	CHA-C1B-NB	-2.01	120.73	124.93
31	hE	202	PEB	CAB-CBB-CGB	-2.01	109.28	113.60
31	fE	202	PEB	C2A-C1A-NA	2.01	110.00	108.27
31	hB	201	PEB	CMD-C2D-C3D	2.01	132.89	130.06
31	gA	201	PEB	CAB-CBB-CGB	-2.01	109.28	113.60
31	HK	201	PEB	OD-C4D-C3D	-2.01	124.92	129.46
33	K3	1001	CYC	CAA-C2A-C1A	2.01	128.56	125.01
33	c3	1001	CYC	CAA-C2A-C1A	2.01	128.56	125.01
31	TD	201	PEB	CHA-C4A-NA	2.01	127.59	125.20
31	ZC	202	PEB	C1C-CHB-C4B	2.01	131.21	128.81
31	C7	201	PEB	OD-C4D-ND	-2.01	122.96	125.93
31	MH	202	PEB	OA-C1A-NA	2.01	127.37	124.94
31	U2	202	PEB	OD-C4D-C3D	-2.01	124.92	129.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	G8	201	PEB	CBA-CAA-C3A	2.01	117.93	113.47
31	YD	201	PEB	CBA-CAA-C3A	-2.00	109.00	113.47
31	dC	201	PEB	C2B-C1B-NB	2.00	114.81	110.53
31	C7	203	PEB	CAB-CBB-CGB	-2.00	109.29	113.60
31	m6	203	PEB	C2A-C1A-NA	2.00	110.00	108.27
31	iB	203	PEB	C2A-C1A-NA	2.00	110.00	108.27
31	FG	201	PEB	C2B-C1B-NB	2.00	114.81	110.53
31	K4	202	PEB	C2B-C1B-NB	2.00	114.81	110.53
31	B7	201	PEB	CMA-C2A-C1A	-2.00	108.08	112.40
31	DH	202	PEB	C1B-C2B-C3B	-2.00	104.21	106.51
31	GH	203	PEB	CHB-C4B-C3B	-2.00	120.69	125.32
31	JA	201	PEB	CAB-C3B-C4B	2.00	128.55	125.01
31	o8	202	PEB	OD-C4D-C3D	-2.00	124.92	129.46
31	IF	201	PEB	O2C-CGC-O1C	-2.00	118.31	123.30
31	DF	202	PEB	CHA-C1B-C2B	-2.00	119.75	124.90
31	m6	202	PEB	CHC-C1D-ND	-2.00	111.62	113.95
31	WF	201	PEB	CHA-C1B-C2B	2.00	130.05	124.90
32	A6	302	PUB	C1D-CHC-C4C	-2.00	109.01	113.37
31	I7	202	PEB	CHA-C1B-NB	-2.00	120.74	124.93
31	kC	203	PEB	CBC-CAC-C2C	-2.00	109.20	112.62
31	QA	202	PEB	CBA-CAA-C3A	2.00	117.92	113.47
31	mB	202	PEB	CHC-C1D-ND	-2.00	111.62	113.95
33	C6	1001	CYC	CMC-C2C-C1C	-2.00	108.09	112.40
31	TH	201	PEB	C1B-C2B-C3B	-2.00	104.21	106.51
33	r3	1001	CYC	CAA-C2A-C1A	2.00	128.55	125.01
31	TF	202	PEB	C2A-C1A-NA	2.00	110.00	108.27
31	O2	203	PEB	CMB-C2B-C1B	2.00	128.15	125.06
31	VK	201	PEB	C3B-C4B-NB	2.00	112.96	110.05
31	EJ	202	PEB	CBA-CAA-C3A	-2.00	109.01	113.47
33	LD	1001	CYC	CMC-C2C-C1C	-2.00	108.09	112.40
33	GE	201	CYC	CMC-C2C-C1C	-2.00	108.09	112.40
33	BE	1001	CYC	OB-C4B-NB	-2.00	120.43	125.08
31	XK	202	PEB	CHB-C4B-C3B	-2.00	120.70	125.32
31	WI	201	PEB	CBC-CAC-C2C	-2.00	109.20	112.62
31	DF	201	PEB	O2B-CGB-CBB	2.00	120.46	114.03
31	A5	302	PEB	CHA-C4A-NA	-2.00	122.83	125.20
31	kC	203	PEB	CHA-C4A-NA	2.00	127.58	125.20
33	T3	1001	CYC	CHB-C1B-C2B	-2.00	122.98	126.95
31	a8	202	PEB	CAB-C3B-C4B	2.00	128.55	125.01
31	XG	201	PEB	CAB-CBB-CGB	-2.00	109.30	113.60
33	LC	1001	CYC	CBC-CAC-C3C	2.00	117.92	113.47
33	A3	1001	CYC	CHB-C1B-C2B	-2.00	122.98	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	T2	201	PEB	C2B-C1B-NB	2.00	114.80	110.53
31	FI	201	PEB	OA-C1A-C2A	-2.00	124.58	126.17
31	l6	202	PEB	CHA-C1B-NB	-2.00	120.75	124.93
31	MF	201	PEB	CBB-CAB-C3B	-2.00	107.07	112.63
31	XK	202	PEB	CHC-C1D-ND	-2.00	111.62	113.95
31	mC	202	PEB	C4B-C3B-C2B	-2.00	104.57	106.78
31	Y9	202	PEB	C2B-C1B-NB	2.00	114.80	110.53
31	GA	203	PEB	CAB-C3B-C4B	2.00	128.55	125.01
33	m3	1001	CYC	CAA-C2A-C1A	2.00	128.55	125.01
31	Q7	202	PEB	O2C-CGC-CBC	2.00	120.46	114.03
31	YC	201	PEB	CBB-CAB-C3B	2.00	118.19	112.63
32	KK	203	PUB	CBA-CAA-C3A	-2.00	109.94	112.98
31	QK	201	PEB	CBA-CAA-C3A	-2.00	109.01	113.47
33	KE	202	CYC	CHA-C1A-C2A	-2.00	120.70	125.32

There are no chirality outliers.

All (14212) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
31	AA	501	PEB	C2A-C3A-CAA-CBA
31	AA	501	PEB	C4A-C3A-CAA-CBA
31	AA	501	PEB	NB-C1B-CHA-C4A
31	AA	501	PEB	C2B-C1B-CHA-C4A
31	BA	201	PEB	NB-C1B-CHA-C4A
31	BA	201	PEB	C2B-C1B-CHA-C4A
31	BA	202	PEB	NB-C1B-CHA-C4A
31	BA	202	PEB	C2B-C1B-CHA-C4A
31	BA	203	PEB	NC-C1C-CHB-C4B
31	BA	203	PEB	C2C-C1C-CHB-C4B
31	BA	203	PEB	NB-C1B-CHA-C4A
31	BA	203	PEB	C2B-C1B-CHA-C4A
31	CA	201	PEB	C2D-C3D-CAD-CBD
31	CA	201	PEB	C4D-C3D-CAD-CBD
31	CA	201	PEB	NB-C1B-CHA-C4A
31	CA	201	PEB	C2B-C1B-CHA-C4A
31	CA	202	PEB	NB-C1B-CHA-C4A
31	CA	202	PEB	C2B-C1B-CHA-C4A
31	DA	201	PEB	NB-C1B-CHA-C4A
31	DA	201	PEB	C2B-C1B-CHA-C4A
31	DA	202	PEB	NB-C1B-CHA-C4A
31	DA	202	PEB	C2B-C1B-CHA-C4A
31	DA	203	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	DA	203	PEB	C2D-C1D-CHC-C4C
31	DA	203	PEB	NC-C1C-CHB-C4B
31	DA	203	PEB	C2C-C1C-CHB-C4B
31	DA	203	PEB	C2D-C3D-CAD-CBD
31	DA	203	PEB	C4D-C3D-CAD-CBD
31	DA	203	PEB	NB-C1B-CHA-C4A
31	DA	203	PEB	C2B-C1B-CHA-C4A
31	EA	501	PEB	ND-C1D-CHC-C4C
31	EA	501	PEB	C2D-C1D-CHC-C4C
31	EA	501	PEB	NC-C1C-CHB-C4B
31	EA	501	PEB	C2A-C3A-CAA-CBA
31	EA	501	PEB	C4A-C3A-CAA-CBA
31	EA	501	PEB	NB-C1B-CHA-C4A
31	EA	501	PEB	C2B-C1B-CHA-C4A
31	FA	201	PEB	NC-C1C-CHB-C4B
31	FA	201	PEB	C2C-C1C-CHB-C4B
31	FA	201	PEB	C2D-C3D-CAD-CBD
31	FA	201	PEB	C4D-C3D-CAD-CBD
31	FA	201	PEB	C2A-C3A-CAA-CBA
31	FA	201	PEB	C4A-C3A-CAA-CBA
31	FA	201	PEB	NB-C1B-CHA-C4A
31	FA	201	PEB	C2B-C1B-CHA-C4A
31	GA	201	PEB	ND-C1D-CHC-C4C
31	GA	201	PEB	NB-C1B-CHA-C4A
31	GA	201	PEB	C2B-C1B-CHA-C4A
31	GA	202	PEB	C2C-CAC-CBC-CGC
31	GA	202	PEB	NB-C1B-CHA-C4A
31	GA	202	PEB	C2B-C1B-CHA-C4A
31	GA	203	PEB	NC-C1C-CHB-C4B
31	GA	203	PEB	C2C-C1C-CHB-C4B
31	GA	203	PEB	NB-C1B-CHA-C4A
31	GA	203	PEB	C2B-C1B-CHA-C4A
31	HA	201	PEB	ND-C1D-CHC-C4C
31	HA	201	PEB	NC-C1C-CHB-C4B
31	HA	201	PEB	C2C-C1C-CHB-C4B
31	HA	201	PEB	C2D-C3D-CAD-CBD
31	HA	201	PEB	C4D-C3D-CAD-CBD
31	HA	201	PEB	NB-C1B-CHA-C4A
31	HA	201	PEB	C2B-C1B-CHA-C4A
31	HA	202	PEB	C4A-C3A-CAA-CBA
31	HA	202	PEB	NB-C1B-CHA-C4A
31	HA	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	HA	203	PEB	ND-C1D-CHC-C4C
31	HA	203	PEB	C2D-C1D-CHC-C4C
31	HA	203	PEB	NC-C1C-CHB-C4B
31	HA	203	PEB	C2C-C1C-CHB-C4B
31	HA	203	PEB	NB-C1B-CHA-C4A
31	HA	203	PEB	C2B-C1B-CHA-C4A
31	IA	201	PEB	NB-C1B-CHA-C4A
31	IA	201	PEB	C2B-C1B-CHA-C4A
31	IA	202	PEB	NB-C1B-CHA-C4A
31	IA	202	PEB	C2B-C1B-CHA-C4A
31	IA	203	PEB	ND-C1D-CHC-C4C
31	IA	203	PEB	NC-C1C-CHB-C4B
31	IA	203	PEB	C2C-C1C-CHB-C4B
31	IA	203	PEB	NB-C1B-CHA-C4A
31	IA	203	PEB	C2B-C1B-CHA-C4A
31	JA	201	PEB	C2C-C1C-CHB-C4B
31	JA	201	PEB	C2A-C3A-CAA-CBA
31	JA	201	PEB	C4A-C3A-CAA-CBA
31	JA	202	PEB	ND-C1D-CHC-C4C
31	JA	202	PEB	NB-C1B-CHA-C4A
31	JA	202	PEB	C2B-C1B-CHA-C4A
31	KA	301	PEB	ND-C1D-CHC-C4C
31	KA	301	PEB	C2D-C1D-CHC-C4C
31	KA	301	PEB	C1C-C2C-CAC-CBC
31	KA	301	PEB	C3C-C2C-CAC-CBC
31	KA	301	PEB	C2D-C3D-CAD-CBD
31	KA	301	PEB	C4D-C3D-CAD-CBD
31	KA	301	PEB	NB-C1B-CHA-C4A
31	KA	301	PEB	C2B-C1B-CHA-C4A
31	KA	302	PEB	ND-C1D-CHC-C4C
31	KA	302	PEB	NC-C1C-CHB-C4B
31	KA	302	PEB	C2C-C1C-CHB-C4B
31	KA	302	PEB	C2D-C3D-CAD-CBD
31	KA	302	PEB	C4D-C3D-CAD-CBD
31	KA	302	PEB	NB-C1B-CHA-C4A
31	KA	302	PEB	C2B-C1B-CHA-C4A
31	KA	303	PEB	ND-C1D-CHC-C4C
31	KA	303	PEB	C2D-C1D-CHC-C4C
31	KA	303	PEB	C1C-C2C-CAC-CBC
31	KA	303	PEB	C3C-C2C-CAC-CBC
31	KA	303	PEB	NB-C1B-CHA-C4A
31	KA	303	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	KA	304	PEB	C2A-C3A-CAA-CBA
31	KA	304	PEB	C4A-C3A-CAA-CBA
31	KA	304	PEB	NB-C1B-CHA-C4A
31	KA	304	PEB	C2B-C1B-CHA-C4A
31	LA	201	PEB	ND-C1D-CHC-C4C
31	LA	201	PEB	C2D-C1D-CHC-C4C
31	LA	201	PEB	NC-C1C-CHB-C4B
31	LA	201	PEB	C2C-C1C-CHB-C4B
31	LA	201	PEB	NB-C1B-CHA-C4A
31	LA	201	PEB	C2B-C1B-CHA-C4A
31	MA	201	PEB	NB-C1B-CHA-C4A
31	MA	201	PEB	C2B-C1B-CHA-C4A
31	MA	202	PEB	C2D-C3D-CAD-CBD
31	MA	202	PEB	C4D-C3D-CAD-CBD
31	MA	202	PEB	NB-C1B-CHA-C4A
31	MA	202	PEB	C2B-C1B-CHA-C4A
31	NA	201	PEB	NB-C1B-CHA-C4A
31	NA	201	PEB	C2B-C1B-CHA-C4A
31	NA	202	PEB	NB-C1B-CHA-C4A
31	NA	202	PEB	C2B-C1B-CHA-C4A
31	NA	203	PEB	ND-C1D-CHC-C4C
31	NA	203	PEB	C2D-C1D-CHC-C4C
31	NA	203	PEB	NC-C1C-CHB-C4B
31	NA	203	PEB	C2C-C1C-CHB-C4B
31	NA	203	PEB	C2D-C3D-CAD-CBD
31	NA	203	PEB	C4D-C3D-CAD-CBD
31	NA	203	PEB	NB-C1B-CHA-C4A
31	NA	203	PEB	C2B-C1B-CHA-C4A
31	OA	201	PEB	NC-C1C-CHB-C4B
31	OA	201	PEB	C2C-C1C-CHB-C4B
31	OA	201	PEB	C2D-C3D-CAD-CBD
31	OA	201	PEB	NB-C1B-CHA-C4A
31	OA	201	PEB	C2B-C1B-CHA-C4A
31	PA	201	PEB	NC-C1C-CHB-C4B
31	PA	201	PEB	C2C-C1C-CHB-C4B
31	PA	201	PEB	NB-C1B-CHA-C4A
31	PA	201	PEB	C2B-C1B-CHA-C4A
31	QA	201	PEB	ND-C1D-CHC-C4C
31	QA	201	PEB	NC-C1C-CHB-C4B
31	QA	201	PEB	C2C-C1C-CHB-C4B
31	QA	201	PEB	C4D-C3D-CAD-CBD
31	QA	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	QA	201	PEB	C2B-C1B-CHA-C4A
31	QA	202	PEB	ND-C1D-CHC-C4C
31	QA	202	PEB	C2A-C3A-CAA-CBA
31	QA	202	PEB	C4A-C3A-CAA-CBA
31	QA	202	PEB	NB-C1B-CHA-C4A
31	QA	202	PEB	C2B-C1B-CHA-C4A
31	QA	203	PEB	C4A-C3A-CAA-CBA
31	QA	203	PEB	NB-C1B-CHA-C4A
31	QA	203	PEB	C2B-C1B-CHA-C4A
31	QA	204	PEB	ND-C1D-CHC-C4C
31	QA	204	PEB	C2D-C1D-CHC-C4C
31	QA	204	PEB	NC-C1C-CHB-C4B
31	QA	204	PEB	C2C-C1C-CHB-C4B
31	QA	204	PEB	NB-C1B-CHA-C4A
31	QA	204	PEB	C2B-C1B-CHA-C4A
31	RA	201	PEB	ND-C1D-CHC-C4C
31	RA	201	PEB	C2D-C1D-CHC-C4C
31	RA	201	PEB	NB-C1B-CHA-C4A
31	RA	201	PEB	C2B-C1B-CHA-C4A
31	RA	202	PEB	ND-C1D-CHC-C4C
31	RA	202	PEB	C2D-C1D-CHC-C4C
31	RA	202	PEB	NC-C1C-CHB-C4B
31	RA	202	PEB	C2C-C1C-CHB-C4B
31	RA	202	PEB	NB-C1B-CHA-C4A
31	RA	202	PEB	C2B-C1B-CHA-C4A
31	SA	201	PEB	NB-C1B-CHA-C4A
31	SA	201	PEB	C2B-C1B-CHA-C4A
31	SA	202	PEB	C2A-C3A-CAA-CBA
31	SA	202	PEB	C4A-C3A-CAA-CBA
31	SA	202	PEB	NB-C1B-CHA-C4A
31	SA	202	PEB	C2B-C1B-CHA-C4A
31	SA	203	PEB	ND-C1D-CHC-C4C
31	SA	203	PEB	C2D-C1D-CHC-C4C
31	SA	203	PEB	NC-C1C-CHB-C4B
31	SA	203	PEB	C2C-C1C-CHB-C4B
31	SA	203	PEB	NB-C1B-CHA-C4A
31	SA	203	PEB	C2B-C1B-CHA-C4A
31	TA	201	PEB	C2C-C1C-CHB-C4B
31	TA	201	PEB	C2A-C3A-CAA-CBA
31	TA	201	PEB	C4A-C3A-CAA-CBA
31	TA	202	PEB	ND-C1D-CHC-C4C
31	TA	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	TA	202	PEB	C2B-C1B-CHA-C4A
31	UA	301	PEB	ND-C1D-CHC-C4C
31	UA	301	PEB	C2D-C3D-CAD-CBD
31	UA	301	PEB	C4D-C3D-CAD-CBD
31	UA	301	PEB	C2A-C3A-CAA-CBA
31	UA	301	PEB	C4A-C3A-CAA-CBA
31	UA	301	PEB	NB-C1B-CHA-C4A
31	UA	301	PEB	C2B-C1B-CHA-C4A
31	UA	302	PEB	ND-C1D-CHC-C4C
31	UA	302	PEB	C2D-C1D-CHC-C4C
31	UA	302	PEB	C1C-C2C-CAC-CBC
31	UA	302	PEB	C3C-C2C-CAC-CBC
31	UA	302	PEB	NB-C1B-CHA-C4A
31	UA	302	PEB	C2B-C1B-CHA-C4A
31	UA	303	PEB	NB-C1B-CHA-C4A
31	UA	303	PEB	C2B-C1B-CHA-C4A
31	UA	304	PEB	ND-C1D-CHC-C4C
31	UA	304	PEB	C2D-C1D-CHC-C4C
31	UA	304	PEB	NC-C1C-CHB-C4B
31	UA	304	PEB	C2C-C1C-CHB-C4B
31	UA	304	PEB	C1C-C2C-CAC-CBC
31	UA	304	PEB	C3C-C2C-CAC-CBC
31	UA	304	PEB	NB-C1B-CHA-C4A
31	UA	304	PEB	C2B-C1B-CHA-C4A
31	VA	201	PEB	ND-C1D-CHC-C4C
31	VA	201	PEB	C2D-C1D-CHC-C4C
31	VA	201	PEB	NC-C1C-CHB-C4B
31	VA	201	PEB	C2C-C1C-CHB-C4B
31	VA	201	PEB	NB-C1B-CHA-C4A
31	VA	201	PEB	C2B-C1B-CHA-C4A
31	VA	202	PEB	ND-C1D-CHC-C4C
31	VA	202	PEB	C2D-C1D-CHC-C4C
31	VA	202	PEB	C2C-CAC-CBC-CGC
31	VA	202	PEB	NB-C1B-CHA-C4A
31	VA	202	PEB	C2B-C1B-CHA-C4A
31	WA	401	PEB	NC-C1C-CHB-C4B
31	WA	401	PEB	C2C-C1C-CHB-C4B
31	WA	401	PEB	C2A-C3A-CAA-CBA
31	WA	401	PEB	C4A-C3A-CAA-CBA
31	WA	401	PEB	NB-C1B-CHA-C4A
31	WA	401	PEB	C2B-C1B-CHA-C4A
31	WA	402	PEB	C1C-C2C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
31	WA	402	PEB	C3C-C2C-CAC-CBC
31	WA	402	PEB	NB-C1B-CHA-C4A
31	WA	402	PEB	C2B-C1B-CHA-C4A
31	XA	201	PEB	C4A-C3A-CAA-CBA
31	XA	201	PEB	NB-C1B-CHA-C4A
31	XA	201	PEB	C2B-C1B-CHA-C4A
31	XA	202	PEB	ND-C1D-CHC-C4C
31	XA	202	PEB	C2D-C1D-CHC-C4C
31	XA	202	PEB	NC-C1C-CHB-C4B
31	XA	202	PEB	C2C-C1C-CHB-C4B
31	XA	202	PEB	NB-C1B-CHA-C4A
31	XA	202	PEB	C2B-C1B-CHA-C4A
31	YA	201	PEB	NC-C1C-CHB-C4B
31	YA	201	PEB	C2C-C1C-CHB-C4B
31	YA	201	PEB	NB-C1B-CHA-C4A
31	YA	201	PEB	C2B-C1B-CHA-C4A
31	ZA	201	PEB	ND-C1D-CHC-C4C
31	ZA	201	PEB	C2D-C1D-CHC-C4C
31	ZA	201	PEB	C4A-C3A-CAA-CBA
31	ZA	201	PEB	NB-C1B-CHA-C4A
31	ZA	201	PEB	C2B-C1B-CHA-C4A
31	ZA	202	PEB	ND-C1D-CHC-C4C
31	ZA	202	PEB	C2A-C3A-CAA-CBA
31	ZA	202	PEB	C4A-C3A-CAA-CBA
31	ZA	202	PEB	NB-C1B-CHA-C4A
31	ZA	202	PEB	C2B-C1B-CHA-C4A
31	ZA	203	PEB	ND-C1D-CHC-C4C
31	ZA	203	PEB	C2D-C1D-CHC-C4C
31	ZA	203	PEB	NC-C1C-CHB-C4B
31	ZA	203	PEB	C2C-C1C-CHB-C4B
31	ZA	203	PEB	C2A-C3A-CAA-CBA
31	ZA	203	PEB	NB-C1B-CHA-C4A
31	ZA	203	PEB	C2B-C1B-CHA-C4A
31	AB	301	PEB	NB-C1B-CHA-C4A
31	AB	301	PEB	C2B-C1B-CHA-C4A
31	AB	304	PEB	C2A-C3A-CAA-CBA
31	AB	304	PEB	C4A-C3A-CAA-CBA
31	AB	304	PEB	NB-C1B-CHA-C4A
31	AB	304	PEB	C2B-C1B-CHA-C4A
31	AB	305	PEB	NC-C1C-CHB-C4B
31	AB	305	PEB	C4A-C3A-CAA-CBA
31	AB	305	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	AB	305	PEB	C2B-C1B-CHA-C4A
31	DB	1002	PEB	C4A-C3A-CAA-CBA
31	DB	1002	PEB	NB-C1B-CHA-C4A
31	DB	1002	PEB	C2B-C1B-CHA-C4A
31	FB	1002	PEB	C2A-C3A-CAA-CBA
31	FB	1002	PEB	C4A-C3A-CAA-CBA
31	FB	1002	PEB	NB-C1B-CHA-C4A
31	FB	1002	PEB	C2B-C1B-CHA-C4A
31	FB	1002	PEB	C3B-CAB-CBB-CGB
31	HB	1002	PEB	C2C-CAC-CBC-CGC
31	HB	1002	PEB	NB-C1B-CHA-C4A
31	HB	1002	PEB	C2B-C1B-CHA-C4A
31	JB	1002	PEB	ND-C1D-CHC-C4C
31	JB	1002	PEB	C2D-C1D-CHC-C4C
31	JB	1002	PEB	NC-C1C-CHB-C4B
31	JB	1002	PEB	C4A-C3A-CAA-CBA
31	JB	1002	PEB	NB-C1B-CHA-C4A
31	JB	1002	PEB	C2B-C1B-CHA-C4A
31	LB	1002	PEB	ND-C1D-CHC-C4C
31	LB	1002	PEB	C2D-C1D-CHC-C4C
31	LB	1002	PEB	NC-C1C-CHB-C4B
31	LB	1002	PEB	C2C-CAC-CBC-CGC
31	LB	1002	PEB	NB-C1B-CHA-C4A
31	LB	1002	PEB	C2B-C1B-CHA-C4A
31	NB	1002	PEB	C4A-C3A-CAA-CBA
31	NB	1002	PEB	NB-C1B-CHA-C4A
31	NB	1002	PEB	C2B-C1B-CHA-C4A
31	OB	201	PEB	NC-C1C-CHB-C4B
31	OB	201	PEB	C2A-C3A-CAA-CBA
31	OB	201	PEB	C4A-C3A-CAA-CBA
31	OB	201	PEB	NB-C1B-CHA-C4A
31	OB	201	PEB	C2B-C1B-CHA-C4A
31	OB	202	PEB	ND-C1D-CHC-C4C
31	OB	202	PEB	NB-C1B-CHA-C4A
31	OB	202	PEB	C2B-C1B-CHA-C4A
31	PB	201	PEB	NB-C1B-CHA-C4A
31	PB	201	PEB	C2B-C1B-CHA-C4A
31	PB	202	PEB	NB-C1B-CHA-C4A
31	PB	202	PEB	C2B-C1B-CHA-C4A
31	QB	201	PEB	C4A-C3A-CAA-CBA
31	QB	201	PEB	NB-C1B-CHA-C4A
31	QB	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	QB	202	PEB	C4A-C3A-CAA-CBA
31	QB	202	PEB	NB-C1B-CHA-C4A
31	QB	202	PEB	C2B-C1B-CHA-C4A
31	RB	201	PEB	NB-C1B-CHA-C4A
31	RB	201	PEB	C2B-C1B-CHA-C4A
31	RB	202	PEB	C2A-C3A-CAA-CBA
31	RB	202	PEB	NB-C1B-CHA-C4A
31	RB	202	PEB	C2B-C1B-CHA-C4A
31	RB	203	PEB	NC-C1C-CHB-C4B
31	RB	203	PEB	C2C-C1C-CHB-C4B
31	RB	203	PEB	NB-C1B-CHA-C4A
31	RB	203	PEB	C2B-C1B-CHA-C4A
31	SB	201	PEB	ND-C1D-CHC-C4C
31	SB	201	PEB	C2D-C1D-CHC-C4C
31	SB	201	PEB	C4A-C3A-CAA-CBA
31	SB	201	PEB	NB-C1B-CHA-C4A
31	SB	201	PEB	C2B-C1B-CHA-C4A
31	SB	202	PEB	NC-C1C-CHB-C4B
31	SB	202	PEB	C2A-C3A-CAA-CBA
31	SB	202	PEB	C4A-C3A-CAA-CBA
31	SB	202	PEB	NB-C1B-CHA-C4A
31	SB	202	PEB	C2B-C1B-CHA-C4A
31	TB	201	PEB	NB-C1B-CHA-C4A
31	TB	201	PEB	C2B-C1B-CHA-C4A
31	TB	202	PEB	NB-C1B-CHA-C4A
31	TB	202	PEB	C2B-C1B-CHA-C4A
31	TB	203	PEB	NC-C1C-CHB-C4B
31	TB	203	PEB	C2C-C1C-CHB-C4B
31	TB	203	PEB	C2A-C3A-CAA-CBA
31	TB	203	PEB	C4A-C3A-CAA-CBA
31	TB	203	PEB	NB-C1B-CHA-C4A
31	TB	203	PEB	C2B-C1B-CHA-C4A
31	UB	201	PEB	NC-C1C-CHB-C4B
31	UB	201	PEB	C2A-C3A-CAA-CBA
31	UB	201	PEB	C4A-C3A-CAA-CBA
31	UB	202	PEB	ND-C1D-CHC-C4C
31	UB	202	PEB	C2D-C1D-CHC-C4C
31	UB	202	PEB	C2A-C3A-CAA-CBA
31	UB	202	PEB	C4A-C3A-CAA-CBA
31	UB	202	PEB	NB-C1B-CHA-C4A
31	UB	202	PEB	C2B-C1B-CHA-C4A
31	VB	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	VB	201	PEB	C4A-C3A-CAA-CBA
31	VB	201	PEB	NB-C1B-CHA-C4A
31	VB	201	PEB	C2B-C1B-CHA-C4A
31	VB	202	PEB	ND-C1D-CHC-C4C
31	VB	202	PEB	C2D-C3D-CAD-CBD
31	VB	202	PEB	C4D-C3D-CAD-CBD
31	VB	202	PEB	C2A-C3A-CAA-CBA
31	VB	202	PEB	NB-C1B-CHA-C4A
31	VB	202	PEB	C2B-C1B-CHA-C4A
31	WB	201	PEB	NC-C1C-CHB-C4B
31	WB	201	PEB	C4A-C3A-CAA-CBA
31	WB	201	PEB	NB-C1B-CHA-C4A
31	WB	201	PEB	C2B-C1B-CHA-C4A
31	YB	201	PEB	NB-C1B-CHA-C4A
31	YB	201	PEB	C2B-C1B-CHA-C4A
31	YB	202	PEB	NB-C1B-CHA-C4A
31	YB	202	PEB	C2B-C1B-CHA-C4A
31	YB	203	PEB	NC-C1C-CHB-C4B
31	YB	203	PEB	C2C-C1C-CHB-C4B
31	YB	203	PEB	C2A-C3A-CAA-CBA
31	YB	203	PEB	C4A-C3A-CAA-CBA
31	YB	203	PEB	NB-C1B-CHA-C4A
31	YB	203	PEB	C2B-C1B-CHA-C4A
31	ZB	201	PEB	C4A-C3A-CAA-CBA
31	ZB	201	PEB	NB-C1B-CHA-C4A
31	ZB	201	PEB	C2B-C1B-CHA-C4A
31	ZB	202	PEB	ND-C1D-CHC-C4C
31	ZB	202	PEB	C2D-C1D-CHC-C4C
31	ZB	202	PEB	NB-C1B-CHA-C4A
31	ZB	202	PEB	C2B-C1B-CHA-C4A
31	AC	301	PEB	NB-C1B-CHA-C4A
31	AC	301	PEB	C2B-C1B-CHA-C4A
31	AC	302	PEB	C4A-C3A-CAA-CBA
31	AC	302	PEB	NB-C1B-CHA-C4A
31	AC	302	PEB	C2B-C1B-CHA-C4A
31	AC	305	PEB	ND-C1D-CHC-C4C
31	AC	305	PEB	C2D-C1D-CHC-C4C
31	AC	305	PEB	NC-C1C-CHB-C4B
31	AC	305	PEB	C2C-C1C-CHB-C4B
31	AC	305	PEB	C2A-C3A-CAA-CBA
31	AC	305	PEB	C4A-C3A-CAA-CBA
31	AC	305	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	AC	305	PEB	C2B-C1B-CHA-C4A
31	DC	1002	PEB	ND-C1D-CHC-C4C
31	DC	1002	PEB	C2D-C1D-CHC-C4C
31	DC	1002	PEB	C2A-C3A-CAA-CBA
31	DC	1002	PEB	C4A-C3A-CAA-CBA
31	DC	1002	PEB	NB-C1B-CHA-C4A
31	DC	1002	PEB	C2B-C1B-CHA-C4A
31	FC	1002	PEB	C4A-C3A-CAA-CBA
31	FC	1002	PEB	NB-C1B-CHA-C4A
31	FC	1002	PEB	C2B-C1B-CHA-C4A
31	HC	1002	PEB	C4A-C3A-CAA-CBA
31	HC	1002	PEB	NB-C1B-CHA-C4A
31	HC	1002	PEB	C2B-C1B-CHA-C4A
31	JC	1002	PEB	NB-C1B-CHA-C4A
31	JC	1002	PEB	C2B-C1B-CHA-C4A
31	LC	1002	PEB	C2A-C3A-CAA-CBA
31	LC	1002	PEB	C4A-C3A-CAA-CBA
31	LC	1002	PEB	NB-C1B-CHA-C4A
31	LC	1002	PEB	C2B-C1B-CHA-C4A
31	LC	1002	PEB	C3B-CAB-CBB-CGB
31	NC	1002	PEB	C2A-C3A-CAA-CBA
31	NC	1002	PEB	C4A-C3A-CAA-CBA
31	NC	1002	PEB	NB-C1B-CHA-C4A
31	NC	1002	PEB	C2B-C1B-CHA-C4A
31	OC	201	PEB	ND-C1D-CHC-C4C
31	OC	201	PEB	C2D-C1D-CHC-C4C
31	OC	201	PEB	C2A-C3A-CAA-CBA
31	OC	201	PEB	C4A-C3A-CAA-CBA
31	OC	201	PEB	NB-C1B-CHA-C4A
31	OC	201	PEB	C2B-C1B-CHA-C4A
31	OC	202	PEB	NB-C1B-CHA-C4A
31	OC	202	PEB	C2B-C1B-CHA-C4A
31	OC	203	PEB	C2C-CAC-CBC-CGC
31	OC	203	PEB	C2A-C3A-CAA-CBA
31	OC	203	PEB	NB-C1B-CHA-C4A
31	OC	203	PEB	C2B-C1B-CHA-C4A
31	PC	201	PEB	NB-C1B-CHA-C4A
31	PC	201	PEB	C2B-C1B-CHA-C4A
31	PC	202	PEB	NB-C1B-CHA-C4A
31	PC	202	PEB	C2B-C1B-CHA-C4A
31	QC	201	PEB	NB-C1B-CHA-C4A
31	QC	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	QC	202	PEB	NC-C1C-CHB-C4B
31	QC	202	PEB	C2C-C1C-CHB-C4B
31	QC	202	PEB	C2A-C3A-CAA-CBA
31	QC	202	PEB	C4A-C3A-CAA-CBA
31	QC	203	PEB	C2C-CAC-CBC-CGC
31	QC	203	PEB	NB-C1B-CHA-C4A
31	QC	203	PEB	C2B-C1B-CHA-C4A
31	QC	203	PEB	C3B-CAB-CBB-CGB
31	RC	201	PEB	C2A-C3A-CAA-CBA
31	RC	201	PEB	C4A-C3A-CAA-CBA
31	RC	201	PEB	NB-C1B-CHA-C4A
31	RC	201	PEB	C2B-C1B-CHA-C4A
31	RC	202	PEB	ND-C1D-CHC-C4C
31	RC	202	PEB	C2D-C1D-CHC-C4C
31	RC	202	PEB	NC-C1C-CHB-C4B
31	RC	202	PEB	C2C-C1C-CHB-C4B
31	RC	202	PEB	NB-C1B-CHA-C4A
31	RC	202	PEB	C2B-C1B-CHA-C4A
31	SC	201	PEB	NB-C1B-CHA-C4A
31	SC	201	PEB	C2B-C1B-CHA-C4A
31	SC	202	PEB	NB-C1B-CHA-C4A
31	SC	202	PEB	C2B-C1B-CHA-C4A
31	TC	201	PEB	ND-C1D-CHC-C4C
31	TC	201	PEB	C2D-C1D-CHC-C4C
31	TC	201	PEB	NB-C1B-CHA-C4A
31	TC	201	PEB	C2B-C1B-CHA-C4A
31	TC	202	PEB	ND-C1D-CHC-C4C
31	TC	202	PEB	C2D-C1D-CHC-C4C
31	TC	202	PEB	NC-C1C-CHB-C4B
31	TC	202	PEB	C2C-C1C-CHB-C4B
31	TC	202	PEB	C4D-C3D-CAD-CBD
31	TC	202	PEB	NB-C1B-CHA-C4A
31	TC	202	PEB	C2B-C1B-CHA-C4A
31	UC	201	PEB	C2A-C3A-CAA-CBA
31	UC	201	PEB	C4A-C3A-CAA-CBA
31	UC	201	PEB	NB-C1B-CHA-C4A
31	UC	201	PEB	C2B-C1B-CHA-C4A
31	UC	202	PEB	C4A-C3A-CAA-CBA
31	UC	202	PEB	NB-C1B-CHA-C4A
31	UC	202	PEB	C2B-C1B-CHA-C4A
31	UC	203	PEB	C2A-C3A-CAA-CBA
31	UC	203	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	UC	203	PEB	C2B-C1B-CHA-C4A
31	VC	201	PEB	NB-C1B-CHA-C4A
31	VC	202	PEB	ND-C1D-CHC-C4C
31	VC	202	PEB	C2D-C1D-CHC-C4C
31	VC	202	PEB	NC-C1C-CHB-C4B
31	VC	202	PEB	C2C-C1C-CHB-C4B
31	VC	202	PEB	NB-C1B-CHA-C4A
31	VC	202	PEB	C2B-C1B-CHA-C4A
31	VC	203	PEB	NB-C1B-CHA-C4A
31	VC	203	PEB	C2B-C1B-CHA-C4A
31	WC	201	PEB	ND-C1D-CHC-C4C
31	WC	201	PEB	C2D-C1D-CHC-C4C
31	WC	201	PEB	C4A-C3A-CAA-CBA
31	WC	201	PEB	NB-C1B-CHA-C4A
31	WC	201	PEB	C2B-C1B-CHA-C4A
31	WC	202	PEB	NB-C1B-CHA-C4A
31	WC	202	PEB	C2B-C1B-CHA-C4A
31	WC	203	PEB	C2A-C3A-CAA-CBA
31	WC	203	PEB	NB-C1B-CHA-C4A
31	WC	203	PEB	C2B-C1B-CHA-C4A
31	YC	201	PEB	C2A-C3A-CAA-CBA
31	YC	201	PEB	C4A-C3A-CAA-CBA
31	YC	201	PEB	NB-C1B-CHA-C4A
31	YC	201	PEB	C2B-C1B-CHA-C4A
31	YC	202	PEB	NB-C1B-CHA-C4A
31	YC	202	PEB	C2B-C1B-CHA-C4A
31	ZC	201	PEB	C2A-C3A-CAA-CBA
31	ZC	201	PEB	C4A-C3A-CAA-CBA
31	ZC	201	PEB	NB-C1B-CHA-C4A
31	ZC	201	PEB	C2B-C1B-CHA-C4A
31	ZC	202	PEB	ND-C1D-CHC-C4C
31	ZC	202	PEB	C2D-C1D-CHC-C4C
31	ZC	202	PEB	C2A-C3A-CAA-CBA
31	ZC	202	PEB	C4A-C3A-CAA-CBA
31	ZC	202	PEB	NB-C1B-CHA-C4A
31	ZC	202	PEB	C2B-C1B-CHA-C4A
31	ZC	203	PEB	NB-C1B-CHA-C4A
31	ZC	203	PEB	C2B-C1B-CHA-C4A
31	AD	301	PEB	NC-C1C-CHB-C4B
31	AD	301	PEB	C2C-C1C-CHB-C4B
31	AD	301	PEB	NB-C1B-CHA-C4A
31	AD	301	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	AD	304	PEB	NB-C1B-CHA-C4A
31	AD	304	PEB	C2B-C1B-CHA-C4A
31	DD	1002	PEB	NB-C1B-CHA-C4A
31	DD	1002	PEB	C2B-C1B-CHA-C4A
31	GD	202	PEB	C2D-C3D-CAD-CBD
31	GD	202	PEB	C4D-C3D-CAD-CBD
31	GD	202	PEB	NB-C1B-CHA-C4A
31	GD	202	PEB	C2B-C1B-CHA-C4A
31	GD	202	PEB	C2B-C3B-CAB-CBB
31	HD	1002	PEB	NB-C1B-CHA-C4A
31	HD	1002	PEB	C2B-C1B-CHA-C4A
31	KD	201	PEB	NB-C1B-CHA-C4A
31	KD	201	PEB	C2B-C1B-CHA-C4A
31	LD	1002	PEB	ND-C1D-CHC-C4C
31	LD	1002	PEB	C2D-C1D-CHC-C4C
31	LD	1002	PEB	NB-C1B-CHA-C4A
31	LD	1002	PEB	C2B-C1B-CHA-C4A
31	ND	201	PEB	ND-C1D-CHC-C4C
31	ND	201	PEB	C2D-C1D-CHC-C4C
31	ND	201	PEB	NC-C1C-CHB-C4B
31	ND	201	PEB	C2C-C1C-CHB-C4B
31	ND	201	PEB	NB-C1B-CHA-C4A
31	ND	201	PEB	C2B-C1B-CHA-C4A
31	OD	201	PEB	C4A-C3A-CAA-CBA
31	OD	201	PEB	NB-C1B-CHA-C4A
31	OD	201	PEB	C2B-C1B-CHA-C4A
31	OD	202	PEB	C4A-C3A-CAA-CBA
31	OD	202	PEB	NB-C1B-CHA-C4A
31	OD	202	PEB	C2B-C1B-CHA-C4A
31	OD	203	PEB	C4A-C3A-CAA-CBA
31	OD	203	PEB	NB-C1B-CHA-C4A
31	OD	203	PEB	C2B-C1B-CHA-C4A
31	PD	201	PEB	NC-C1C-CHB-C4B
31	PD	201	PEB	C2C-C1C-CHB-C4B
31	PD	201	PEB	C1C-C2C-CAC-CBC
31	PD	201	PEB	C3C-C2C-CAC-CBC
31	PD	201	PEB	C2C-CAC-CBC-CGC
31	PD	201	PEB	NB-C1B-CHA-C4A
31	PD	201	PEB	C2B-C1B-CHA-C4A
31	PD	202	PEB	NB-C1B-CHA-C4A
31	PD	202	PEB	C2B-C1B-CHA-C4A
31	QD	201	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	QD	201	PEB	NB-C1B-CHA-C4A
31	QD	201	PEB	C2B-C1B-CHA-C4A
31	QD	202	PEB	ND-C1D-CHC-C4C
31	QD	202	PEB	C2A-C3A-CAA-CBA
31	QD	202	PEB	C4A-C3A-CAA-CBA
31	QD	202	PEB	NB-C1B-CHA-C4A
31	QD	202	PEB	C2B-C1B-CHA-C4A
31	QD	202	PEB	C3B-CAB-CBB-CGB
31	QD	203	PEB	C2C-CAC-CBC-CGC
31	QD	203	PEB	NB-C1B-CHA-C4A
31	QD	203	PEB	C2B-C1B-CHA-C4A
31	RD	201	PEB	C2A-C3A-CAA-CBA
31	RD	201	PEB	C4A-C3A-CAA-CBA
31	RD	201	PEB	NB-C1B-CHA-C4A
31	RD	201	PEB	C2B-C1B-CHA-C4A
31	RD	202	PEB	NC-C1C-CHB-C4B
31	RD	202	PEB	C2C-C1C-CHB-C4B
31	RD	202	PEB	C2A-C3A-CAA-CBA
31	RD	202	PEB	C4A-C3A-CAA-CBA
31	RD	202	PEB	NB-C1B-CHA-C4A
31	RD	202	PEB	C2B-C1B-CHA-C4A
31	SD	201	PEB	C4A-C3A-CAA-CBA
31	SD	201	PEB	NB-C1B-CHA-C4A
31	SD	201	PEB	C2B-C1B-CHA-C4A
31	SD	202	PEB	C4A-C3A-CAA-CBA
31	SD	202	PEB	NB-C1B-CHA-C4A
31	SD	202	PEB	C2B-C1B-CHA-C4A
31	TD	201	PEB	NB-C1B-CHA-C4A
31	TD	201	PEB	C2B-C1B-CHA-C4A
31	UD	201	PEB	C2A-C3A-CAA-CBA
31	UD	201	PEB	C4A-C3A-CAA-CBA
31	UD	201	PEB	NB-C1B-CHA-C4A
31	UD	201	PEB	C2B-C1B-CHA-C4A
31	UD	202	PEB	NB-C1B-CHA-C4A
31	UD	202	PEB	C2B-C1B-CHA-C4A
31	UD	203	PEB	C2C-C1C-CHB-C4B
31	UD	203	PEB	C4A-C3A-CAA-CBA
31	UD	203	PEB	NB-C1B-CHA-C4A
31	UD	203	PEB	C2B-C1B-CHA-C4A
31	VD	201	PEB	NB-C1B-CHA-C4A
31	VD	201	PEB	C2B-C1B-CHA-C4A
31	VD	202	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	VD	202	PEB	C2D-C1D-CHC-C4C
31	VD	202	PEB	NC-C1C-CHB-C4B
31	VD	202	PEB	C2C-C1C-CHB-C4B
31	VD	202	PEB	NB-C1B-CHA-C4A
31	VD	202	PEB	C2B-C1B-CHA-C4A
31	WD	201	PEB	NB-C1B-CHA-C4A
31	WD	201	PEB	C2B-C1B-CHA-C4A
31	WD	202	PEB	NB-C1B-CHA-C4A
31	WD	202	PEB	C2B-C1B-CHA-C4A
31	WD	203	PEB	C2A-C3A-CAA-CBA
31	WD	203	PEB	C4A-C3A-CAA-CBA
31	WD	203	PEB	NB-C1B-CHA-C4A
31	WD	203	PEB	C2B-C1B-CHA-C4A
31	YD	201	PEB	C1C-C2C-CAC-CBC
31	YD	201	PEB	C3C-C2C-CAC-CBC
31	YD	201	PEB	C2A-C3A-CAA-CBA
31	YD	201	PEB	C4A-C3A-CAA-CBA
31	YD	201	PEB	NB-C1B-CHA-C4A
31	YD	201	PEB	C2B-C1B-CHA-C4A
31	YD	202	PEB	NC-C1C-CHB-C4B
31	YD	202	PEB	C2C-C1C-CHB-C4B
31	YD	202	PEB	C1C-C2C-CAC-CBC
31	YD	202	PEB	C3C-C2C-CAC-CBC
31	YD	202	PEB	C2C-CAC-CBC-CGC
31	YD	202	PEB	NB-C1B-CHA-C4A
31	YD	202	PEB	C2B-C1B-CHA-C4A
31	ZD	201	PEB	NC-C1C-CHB-C4B
31	ZD	201	PEB	C2C-C1C-CHB-C4B
31	ZD	201	PEB	NB-C1B-CHA-C4A
31	ZD	201	PEB	C2B-C1B-CHA-C4A
31	ZD	202	PEB	C2C-CAC-CBC-CGC
31	ZD	202	PEB	C2A-C3A-CAA-CBA
31	ZD	202	PEB	C4A-C3A-CAA-CBA
31	ZD	202	PEB	NB-C1B-CHA-C4A
31	ZD	202	PEB	C2B-C1B-CHA-C4A
31	ZD	203	PEB	C2A-C3A-CAA-CBA
31	ZD	203	PEB	C4A-C3A-CAA-CBA
31	ZD	203	PEB	NB-C1B-CHA-C4A
31	ZD	203	PEB	C2B-C1B-CHA-C4A
31	AE	301	PEB	NC-C1C-CHB-C4B
31	AE	301	PEB	C2C-C1C-CHB-C4B
31	AE	301	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	AE	301	PEB	C2B-C1B-CHA-C4A
31	AE	304	PEB	NB-C1B-CHA-C4A
31	AE	304	PEB	C2B-C1B-CHA-C4A
31	DE	1002	PEB	NB-C1B-CHA-C4A
31	DE	1002	PEB	C2B-C1B-CHA-C4A
31	HE	1002	PEB	NB-C1B-CHA-C4A
31	HE	1002	PEB	C2B-C1B-CHA-C4A
31	JE	201	PEB	C2D-C3D-CAD-CBD
31	JE	201	PEB	C4D-C3D-CAD-CBD
31	JE	201	PEB	NB-C1B-CHA-C4A
31	JE	201	PEB	C2B-C1B-CHA-C4A
31	JE	201	PEB	C2B-C3B-CAB-CBB
31	KE	201	PEB	NB-C1B-CHA-C4A
31	KE	201	PEB	C2B-C1B-CHA-C4A
31	LE	1002	PEB	ND-C1D-CHC-C4C
31	LE	1002	PEB	C2D-C1D-CHC-C4C
31	LE	1002	PEB	NB-C1B-CHA-C4A
31	LE	1002	PEB	C2B-C1B-CHA-C4A
31	NE	201	PEB	ND-C1D-CHC-C4C
31	NE	201	PEB	C2D-C1D-CHC-C4C
31	NE	201	PEB	NC-C1C-CHB-C4B
31	NE	201	PEB	C2C-C1C-CHB-C4B
31	NE	201	PEB	NB-C1B-CHA-C4A
31	NE	201	PEB	C2B-C1B-CHA-C4A
31	OE	201	PEB	C4A-C3A-CAA-CBA
31	OE	201	PEB	NB-C1B-CHA-C4A
31	OE	201	PEB	C2B-C1B-CHA-C4A
31	OE	202	PEB	C4A-C3A-CAA-CBA
31	OE	202	PEB	NB-C1B-CHA-C4A
31	OE	202	PEB	C2B-C1B-CHA-C4A
31	OE	203	PEB	C4A-C3A-CAA-CBA
31	OE	203	PEB	NB-C1B-CHA-C4A
31	OE	203	PEB	C2B-C1B-CHA-C4A
31	PE	201	PEB	NC-C1C-CHB-C4B
31	PE	201	PEB	C2C-C1C-CHB-C4B
31	PE	201	PEB	C1C-C2C-CAC-CBC
31	PE	201	PEB	C3C-C2C-CAC-CBC
31	PE	201	PEB	C2C-CAC-CBC-CGC
31	PE	201	PEB	NB-C1B-CHA-C4A
31	PE	201	PEB	C2B-C1B-CHA-C4A
31	PE	202	PEB	NB-C1B-CHA-C4A
31	PE	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	QE	201	PEB	C4A-C3A-CAA-CBA
31	QE	201	PEB	NB-C1B-CHA-C4A
31	QE	201	PEB	C2B-C1B-CHA-C4A
31	QE	202	PEB	ND-C1D-CHC-C4C
31	QE	202	PEB	C2A-C3A-CAA-CBA
31	QE	202	PEB	C4A-C3A-CAA-CBA
31	QE	202	PEB	NB-C1B-CHA-C4A
31	QE	202	PEB	C2B-C1B-CHA-C4A
31	QE	202	PEB	C3B-CAB-CBB-CGB
31	QE	203	PEB	C2C-CAC-CBC-CGC
31	QE	203	PEB	NB-C1B-CHA-C4A
31	QE	203	PEB	C2B-C1B-CHA-C4A
31	RE	201	PEB	C2A-C3A-CAA-CBA
31	RE	201	PEB	C4A-C3A-CAA-CBA
31	RE	201	PEB	NB-C1B-CHA-C4A
31	RE	201	PEB	C2B-C1B-CHA-C4A
31	RE	202	PEB	NC-C1C-CHB-C4B
31	RE	202	PEB	C2C-C1C-CHB-C4B
31	RE	202	PEB	C2A-C3A-CAA-CBA
31	RE	202	PEB	C4A-C3A-CAA-CBA
31	RE	202	PEB	NB-C1B-CHA-C4A
31	RE	202	PEB	C2B-C1B-CHA-C4A
31	SE	201	PEB	C4A-C3A-CAA-CBA
31	SE	201	PEB	NB-C1B-CHA-C4A
31	SE	201	PEB	C2B-C1B-CHA-C4A
31	SE	202	PEB	C4A-C3A-CAA-CBA
31	SE	202	PEB	NB-C1B-CHA-C4A
31	SE	202	PEB	C2B-C1B-CHA-C4A
31	SE	203	PEB	C2A-C3A-CAA-CBA
31	SE	203	PEB	C4A-C3A-CAA-CBA
31	SE	203	PEB	NB-C1B-CHA-C4A
31	SE	203	PEB	C2B-C1B-CHA-C4A
31	SE	203	PEB	C3B-CAB-CBB-CGB
31	TE	201	PEB	NB-C1B-CHA-C4A
31	TE	201	PEB	C2B-C1B-CHA-C4A
31	UE	201	PEB	C2A-C3A-CAA-CBA
31	UE	201	PEB	C4A-C3A-CAA-CBA
31	UE	201	PEB	NB-C1B-CHA-C4A
31	UE	201	PEB	C2B-C1B-CHA-C4A
31	UE	202	PEB	NB-C1B-CHA-C4A
31	UE	202	PEB	C2B-C1B-CHA-C4A
31	UE	203	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	UE	203	PEB	C4A-C3A-CAA-CBA
31	UE	203	PEB	NB-C1B-CHA-C4A
31	UE	203	PEB	C2B-C1B-CHA-C4A
31	VE	201	PEB	NB-C1B-CHA-C4A
31	VE	201	PEB	C2B-C1B-CHA-C4A
31	VE	202	PEB	ND-C1D-CHC-C4C
31	VE	202	PEB	C2D-C1D-CHC-C4C
31	VE	202	PEB	NC-C1C-CHB-C4B
31	VE	202	PEB	C2C-C1C-CHB-C4B
31	VE	202	PEB	NB-C1B-CHA-C4A
31	VE	202	PEB	C2B-C1B-CHA-C4A
31	WE	201	PEB	NB-C1B-CHA-C4A
31	WE	201	PEB	C2B-C1B-CHA-C4A
31	WE	202	PEB	NB-C1B-CHA-C4A
31	WE	202	PEB	C2B-C1B-CHA-C4A
31	WE	203	PEB	C2A-C3A-CAA-CBA
31	WE	203	PEB	C4A-C3A-CAA-CBA
31	WE	203	PEB	NB-C1B-CHA-C4A
31	WE	203	PEB	C2B-C1B-CHA-C4A
31	YE	201	PEB	C1C-C2C-CAC-CBC
31	YE	201	PEB	C3C-C2C-CAC-CBC
31	YE	201	PEB	C2A-C3A-CAA-CBA
31	YE	201	PEB	C4A-C3A-CAA-CBA
31	YE	201	PEB	NB-C1B-CHA-C4A
31	YE	201	PEB	C2B-C1B-CHA-C4A
31	YE	202	PEB	NC-C1C-CHB-C4B
31	YE	202	PEB	C2C-C1C-CHB-C4B
31	YE	202	PEB	C1C-C2C-CAC-CBC
31	YE	202	PEB	C3C-C2C-CAC-CBC
31	YE	202	PEB	C2C-CAC-CBC-CGC
31	YE	202	PEB	NB-C1B-CHA-C4A
31	YE	202	PEB	C2B-C1B-CHA-C4A
31	ZE	201	PEB	NC-C1C-CHB-C4B
31	ZE	201	PEB	C2C-C1C-CHB-C4B
31	ZE	201	PEB	NB-C1B-CHA-C4A
31	ZE	201	PEB	C2B-C1B-CHA-C4A
31	ZE	202	PEB	C2C-CAC-CBC-CGC
31	ZE	202	PEB	C2A-C3A-CAA-CBA
31	ZE	202	PEB	C4A-C3A-CAA-CBA
31	ZE	202	PEB	NB-C1B-CHA-C4A
31	ZE	202	PEB	C2B-C1B-CHA-C4A
31	ZE	203	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	ZE	203	PEB	C4A-C3A-CAA-CBA
31	ZE	203	PEB	NB-C1B-CHA-C4A
31	ZE	203	PEB	C2B-C1B-CHA-C4A
31	AF	201	PEB	ND-C1D-CHC-C4C
31	AF	201	PEB	NB-C1B-CHA-C4A
31	AF	201	PEB	C2B-C1B-CHA-C4A
31	AF	202	PEB	NC-C1C-CHB-C4B
31	AF	202	PEB	C2C-C1C-CHB-C4B
31	AF	202	PEB	C2C-CAC-CBC-CGC
31	AF	202	PEB	C2A-C3A-CAA-CBA
31	AF	202	PEB	C4A-C3A-CAA-CBA
31	AF	202	PEB	NB-C1B-CHA-C4A
31	AF	202	PEB	C2B-C1B-CHA-C4A
31	BF	201	PEB	NC-C1C-CHB-C4B
31	BF	201	PEB	C2C-C1C-CHB-C4B
31	BF	201	PEB	NB-C1B-CHA-C4A
31	BF	201	PEB	C2B-C1B-CHA-C4A
31	BF	202	PEB	ND-C1D-CHC-C4C
31	BF	202	PEB	C2D-C1D-CHC-C4C
31	BF	202	PEB	NC-C1C-CHB-C4B
31	BF	202	PEB	C2C-C1C-CHB-C4B
31	BF	202	PEB	C2C-CAC-CBC-CGC
31	BF	202	PEB	C2A-C3A-CAA-CBA
31	BF	202	PEB	C4A-C3A-CAA-CBA
31	BF	202	PEB	NB-C1B-CHA-C4A
31	BF	202	PEB	C2B-C1B-CHA-C4A
31	CF	201	PEB	NB-C1B-CHA-C4A
31	CF	201	PEB	C2B-C1B-CHA-C4A
31	CF	202	PEB	C4A-C3A-CAA-CBA
31	CF	202	PEB	NB-C1B-CHA-C4A
31	CF	202	PEB	C2B-C1B-CHA-C4A
31	CF	203	PEB	NC-C1C-CHB-C4B
31	CF	203	PEB	C2C-C1C-CHB-C4B
31	CF	203	PEB	C2C-CAC-CBC-CGC
31	CF	203	PEB	NB-C1B-CHA-C4A
31	CF	203	PEB	C2B-C1B-CHA-C4A
31	DF	201	PEB	NB-C1B-CHA-C4A
31	DF	201	PEB	C2B-C1B-CHA-C4A
31	DF	202	PEB	ND-C1D-CHC-C4C
31	DF	202	PEB	C2D-C1D-CHC-C4C
31	DF	202	PEB	NC-C1C-CHB-C4B
31	DF	202	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	DF	202	PEB	NB-C1B-CHA-C4A
31	DF	202	PEB	C2B-C1B-CHA-C4A
31	DF	203	PEB	C2D-C3D-CAD-CBD
31	DF	203	PEB	C4D-C3D-CAD-CBD
31	DF	203	PEB	C4A-C3A-CAA-CBA
31	DF	203	PEB	NB-C1B-CHA-C4A
31	DF	203	PEB	C2B-C1B-CHA-C4A
31	EF	201	PEB	C2A-C3A-CAA-CBA
31	EF	201	PEB	C4A-C3A-CAA-CBA
31	EF	201	PEB	NB-C1B-CHA-C4A
31	EF	201	PEB	C2B-C1B-CHA-C4A
31	EF	202	PEB	NC-C1C-CHB-C4B
31	EF	202	PEB	C2C-C1C-CHB-C4B
31	EF	202	PEB	C2C-CAC-CBC-CGC
31	EF	202	PEB	NB-C1B-CHA-C4A
31	EF	202	PEB	C2B-C1B-CHA-C4A
31	FF	201	PEB	NB-C1B-CHA-C4A
31	FF	201	PEB	C2B-C1B-CHA-C4A
31	FF	202	PEB	ND-C1D-CHC-C4C
31	FF	202	PEB	C2D-C1D-CHC-C4C
31	FF	202	PEB	NC-C1C-CHB-C4B
31	FF	202	PEB	C2C-C1C-CHB-C4B
31	FF	202	PEB	C2C-CAC-CBC-CGC
31	FF	202	PEB	NB-C1B-CHA-C4A
31	FF	202	PEB	C2B-C1B-CHA-C4A
31	GF	201	PEB	C2A-C3A-CAA-CBA
31	GF	201	PEB	C4A-C3A-CAA-CBA
31	GF	201	PEB	NB-C1B-CHA-C4A
31	GF	201	PEB	C2B-C1B-CHA-C4A
31	GF	202	PEB	C2A-C3A-CAA-CBA
31	GF	202	PEB	C4A-C3A-CAA-CBA
31	GF	202	PEB	NB-C1B-CHA-C4A
31	GF	202	PEB	C2B-C1B-CHA-C4A
31	GF	203	PEB	C2C-CAC-CBC-CGC
31	GF	203	PEB	NB-C1B-CHA-C4A
31	GF	203	PEB	C2B-C1B-CHA-C4A
31	HF	201	PEB	C2A-C3A-CAA-CBA
31	HF	201	PEB	C4A-C3A-CAA-CBA
31	HF	201	PEB	NB-C1B-CHA-C4A
31	HF	201	PEB	C2B-C1B-CHA-C4A
31	HF	202	PEB	ND-C1D-CHC-C4C
31	HF	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	HF	202	PEB	NC-C1C-CHB-C4B
31	HF	202	PEB	C2C-C1C-CHB-C4B
31	HF	202	PEB	C2C-CAC-CBC-CGC
31	HF	202	PEB	NB-C1B-CHA-C4A
31	HF	202	PEB	C2B-C1B-CHA-C4A
31	IF	201	PEB	C4A-C3A-CAA-CBA
31	IF	201	PEB	NB-C1B-CHA-C4A
31	IF	201	PEB	C2B-C1B-CHA-C4A
31	IF	202	PEB	C2C-CAC-CBC-CGC
31	IF	202	PEB	C2A-C3A-CAA-CBA
31	IF	202	PEB	C4A-C3A-CAA-CBA
31	IF	202	PEB	C3A-C4A-CHA-C1B
31	IF	202	PEB	NB-C1B-CHA-C4A
31	IF	202	PEB	C2B-C1B-CHA-C4A
31	IF	203	PEB	C4A-C3A-CAA-CBA
31	IF	203	PEB	NB-C1B-CHA-C4A
31	IF	203	PEB	C2B-C1B-CHA-C4A
31	JF	201	PEB	C2A-C3A-CAA-CBA
31	JF	201	PEB	NB-C1B-CHA-C4A
31	JF	201	PEB	C2B-C1B-CHA-C4A
31	JF	202	PEB	ND-C1D-CHC-C4C
31	JF	202	PEB	C2D-C1D-CHC-C4C
31	JF	202	PEB	NC-C1C-CHB-C4B
31	JF	202	PEB	C2C-C1C-CHB-C4B
31	JF	202	PEB	C4A-C3A-CAA-CBA
31	JF	202	PEB	NB-C1B-CHA-C4A
31	JF	202	PEB	C2B-C1B-CHA-C4A
31	KF	201	PEB	C4A-C3A-CAA-CBA
31	KF	201	PEB	NB-C1B-CHA-C4A
31	KF	201	PEB	C2B-C1B-CHA-C4A
31	KF	202	PEB	NB-C1B-CHA-C4A
31	KF	202	PEB	C2B-C1B-CHA-C4A
31	KF	203	PEB	C2C-CAC-CBC-CGC
31	KF	203	PEB	NB-C1B-CHA-C4A
31	KF	203	PEB	C2B-C1B-CHA-C4A
31	LF	201	PEB	C2A-C3A-CAA-CBA
31	LF	201	PEB	C4A-C3A-CAA-CBA
31	LF	201	PEB	NB-C1B-CHA-C4A
31	LF	201	PEB	C2B-C1B-CHA-C4A
31	LF	202	PEB	ND-C1D-CHC-C4C
31	LF	202	PEB	C2D-C1D-CHC-C4C
31	LF	202	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	LF	202	PEB	C2C-C1C-CHB-C4B
31	LF	202	PEB	C1C-C2C-CAC-CBC
31	LF	202	PEB	C3C-C2C-CAC-CBC
31	LF	202	PEB	NB-C1B-CHA-C4A
31	LF	202	PEB	C2B-C1B-CHA-C4A
31	MF	201	PEB	ND-C1D-CHC-C4C
31	MF	201	PEB	C2D-C1D-CHC-C4C
31	MF	201	PEB	NB-C1B-CHA-C4A
31	MF	201	PEB	C2B-C1B-CHA-C4A
31	MF	202	PEB	NC-C1C-CHB-C4B
31	MF	202	PEB	C2C-C1C-CHB-C4B
31	MF	202	PEB	C2C-CAC-CBC-CGC
31	MF	202	PEB	NB-C1B-CHA-C4A
31	MF	202	PEB	C2B-C1B-CHA-C4A
31	MF	203	PEB	C4A-C3A-CAA-CBA
31	MF	203	PEB	NB-C1B-CHA-C4A
31	MF	203	PEB	C2B-C1B-CHA-C4A
31	NF	201	PEB	NB-C1B-CHA-C4A
31	NF	201	PEB	C2B-C1B-CHA-C4A
31	NF	202	PEB	ND-C1D-CHC-C4C
31	NF	202	PEB	NC-C1C-CHB-C4B
31	NF	202	PEB	C2C-C1C-CHB-C4B
31	NF	202	PEB	NB-C1B-CHA-C4A
31	NF	202	PEB	C2B-C1B-CHA-C4A
31	OF	201	PEB	NB-C1B-CHA-C4A
31	OF	201	PEB	C2B-C1B-CHA-C4A
31	OF	202	PEB	ND-C1D-CHC-C4C
31	OF	202	PEB	NB-C1B-CHA-C4A
31	OF	202	PEB	C2B-C1B-CHA-C4A
31	OF	203	PEB	NC-C1C-CHB-C4B
31	OF	203	PEB	C2C-C1C-CHB-C4B
31	OF	203	PEB	NB-C1B-CHA-C4A
31	OF	203	PEB	C2B-C1B-CHA-C4A
31	PF	201	PEB	NB-C1B-CHA-C4A
31	PF	201	PEB	C2B-C1B-CHA-C4A
31	PF	202	PEB	ND-C1D-CHC-C4C
31	PF	202	PEB	NC-C1C-CHB-C4B
31	PF	202	PEB	C2C-C1C-CHB-C4B
31	PF	202	PEB	C2C-CAC-CBC-CGC
31	PF	202	PEB	NB-C1B-CHA-C4A
31	PF	202	PEB	C2B-C1B-CHA-C4A
31	QF	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	QF	201	PEB	C4A-C3A-CAA-CBA
31	QF	201	PEB	NB-C1B-CHA-C4A
31	QF	201	PEB	C2B-C1B-CHA-C4A
31	QF	202	PEB	C2C-CAC-CBC-CGC
31	QF	202	PEB	NB-C1B-CHA-C4A
31	QF	202	PEB	C2B-C1B-CHA-C4A
31	QF	203	PEB	NB-C1B-CHA-C4A
31	QF	203	PEB	C2B-C1B-CHA-C4A
31	RF	201	PEB	NB-C1B-CHA-C4A
31	RF	201	PEB	C2B-C1B-CHA-C4A
31	RF	202	PEB	ND-C1D-CHC-C4C
31	RF	202	PEB	C2D-C1D-CHC-C4C
31	RF	202	PEB	NC-C1C-CHB-C4B
31	RF	202	PEB	C2C-C1C-CHB-C4B
31	RF	202	PEB	C2A-C3A-CAA-CBA
31	RF	202	PEB	C4A-C3A-CAA-CBA
31	RF	202	PEB	NB-C1B-CHA-C4A
31	RF	202	PEB	C2B-C1B-CHA-C4A
31	SF	201	PEB	C2A-C3A-CAA-CBA
31	SF	201	PEB	C4A-C3A-CAA-CBA
31	SF	201	PEB	NB-C1B-CHA-C4A
31	SF	201	PEB	C2B-C1B-CHA-C4A
31	SF	202	PEB	NB-C1B-CHA-C4A
31	SF	203	PEB	NC-C1C-CHB-C4B
31	SF	203	PEB	C2C-C1C-CHB-C4B
31	SF	203	PEB	C2C-CAC-CBC-CGC
31	SF	203	PEB	NB-C1B-CHA-C4A
31	SF	203	PEB	C2B-C1B-CHA-C4A
31	TF	201	PEB	NB-C1B-CHA-C4A
31	TF	201	PEB	C2B-C1B-CHA-C4A
31	TF	202	PEB	ND-C1D-CHC-C4C
31	TF	202	PEB	C2D-C1D-CHC-C4C
31	TF	202	PEB	NC-C1C-CHB-C4B
31	TF	202	PEB	C2C-C1C-CHB-C4B
31	TF	202	PEB	C2D-C3D-CAD-CBD
31	TF	202	PEB	C4D-C3D-CAD-CBD
31	TF	202	PEB	C4A-C3A-CAA-CBA
31	TF	202	PEB	NB-C1B-CHA-C4A
31	TF	202	PEB	C2B-C1B-CHA-C4A
31	UF	201	PEB	C4A-C3A-CAA-CBA
31	UF	201	PEB	NB-C1B-CHA-C4A
31	UF	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	UF	202	PEB	C2C-CAC-CBC-CGC
31	UF	202	PEB	C2A-C3A-CAA-CBA
31	UF	202	PEB	NB-C1B-CHA-C4A
31	UF	202	PEB	C2B-C1B-CHA-C4A
31	VF	201	PEB	C2A-C3A-CAA-CBA
31	VF	201	PEB	C4A-C3A-CAA-CBA
31	VF	201	PEB	NB-C1B-CHA-C4A
31	VF	201	PEB	C2B-C1B-CHA-C4A
31	VF	202	PEB	ND-C1D-CHC-C4C
31	VF	202	PEB	C2D-C1D-CHC-C4C
31	VF	202	PEB	NC-C1C-CHB-C4B
31	VF	202	PEB	C2C-C1C-CHB-C4B
31	VF	202	PEB	C2C-CAC-CBC-CGC
31	VF	202	PEB	NB-C1B-CHA-C4A
31	VF	202	PEB	C2B-C1B-CHA-C4A
31	WF	201	PEB	C2D-C3D-CAD-CBD
31	WF	201	PEB	C4D-C3D-CAD-CBD
31	WF	201	PEB	NB-C1B-CHA-C4A
31	WF	201	PEB	C2B-C1B-CHA-C4A
31	WF	202	PEB	C2A-C3A-CAA-CBA
31	WF	202	PEB	C4A-C3A-CAA-CBA
31	WF	202	PEB	NB-C1B-CHA-C4A
31	WF	202	PEB	C2B-C1B-CHA-C4A
31	WF	203	PEB	NC-C1C-CHB-C4B
31	WF	203	PEB	C2C-C1C-CHB-C4B
31	WF	203	PEB	C2C-CAC-CBC-CGC
31	WF	203	PEB	C2A-C3A-CAA-CBA
31	WF	203	PEB	NB-C1B-CHA-C4A
31	WF	203	PEB	C2B-C1B-CHA-C4A
31	XF	201	PEB	NB-C1B-CHA-C4A
31	XF	201	PEB	C2B-C1B-CHA-C4A
31	XF	202	PEB	C2A-C3A-CAA-CBA
31	XF	202	PEB	C4A-C3A-CAA-CBA
31	XF	202	PEB	NB-C1B-CHA-C4A
31	XF	202	PEB	C2B-C1B-CHA-C4A
31	XF	203	PEB	ND-C1D-CHC-C4C
31	XF	203	PEB	C2D-C1D-CHC-C4C
31	XF	203	PEB	NC-C1C-CHB-C4B
31	XF	203	PEB	C2C-C1C-CHB-C4B
31	XF	203	PEB	C2C-CAC-CBC-CGC
31	XF	203	PEB	NB-C1B-CHA-C4A
31	XF	203	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	YF	201	PEB	ND-C1D-CHC-C4C
31	YF	201	PEB	NB-C1B-CHA-C4A
31	YF	201	PEB	C2B-C1B-CHA-C4A
31	YF	202	PEB	NC-C1C-CHB-C4B
31	YF	202	PEB	C2C-C1C-CHB-C4B
31	YF	202	PEB	NB-C1B-CHA-C4A
31	YF	202	PEB	C2B-C1B-CHA-C4A
31	YF	203	PEB	NC-C1C-CHB-C4B
31	YF	203	PEB	C2C-C1C-CHB-C4B
31	YF	203	PEB	NB-C1B-CHA-C4A
31	YF	203	PEB	C2B-C1B-CHA-C4A
31	ZF	201	PEB	ND-C1D-CHC-C4C
31	ZF	201	PEB	C2D-C1D-CHC-C4C
31	ZF	201	PEB	NB-C1B-CHA-C4A
31	ZF	201	PEB	C2B-C1B-CHA-C4A
31	ZF	202	PEB	C2D-C1D-CHC-C4C
31	ZF	202	PEB	NC-C1C-CHB-C4B
31	ZF	202	PEB	C2C-C1C-CHB-C4B
31	ZF	202	PEB	NB-C1B-CHA-C4A
31	ZF	202	PEB	C2B-C1B-CHA-C4A
31	AG	201	PEB	C2A-C3A-CAA-CBA
31	AG	201	PEB	C4A-C3A-CAA-CBA
31	AG	201	PEB	NB-C1B-CHA-C4A
31	AG	201	PEB	C2B-C1B-CHA-C4A
31	AG	202	PEB	NB-C1B-CHA-C4A
31	AG	202	PEB	C2B-C1B-CHA-C4A
31	AG	203	PEB	C2A-C3A-CAA-CBA
31	AG	203	PEB	C4A-C3A-CAA-CBA
31	AG	203	PEB	NB-C1B-CHA-C4A
31	AG	203	PEB	C2B-C1B-CHA-C4A
31	BG	201	PEB	ND-C1D-CHC-C4C
31	BG	201	PEB	C2D-C1D-CHC-C4C
31	BG	201	PEB	NB-C1B-CHA-C4A
31	BG	201	PEB	C2B-C1B-CHA-C4A
31	BG	202	PEB	C2A-C3A-CAA-CBA
31	BG	202	PEB	C4A-C3A-CAA-CBA
31	BG	202	PEB	NB-C1B-CHA-C4A
31	BG	203	PEB	NC-C1C-CHB-C4B
31	BG	203	PEB	C2C-C1C-CHB-C4B
31	BG	203	PEB	NB-C1B-CHA-C4A
31	BG	203	PEB	C2B-C1B-CHA-C4A
31	CG	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	CG	201	PEB	C4A-C3A-CAA-CBA
31	CG	201	PEB	NB-C1B-CHA-C4A
31	CG	201	PEB	C2B-C1B-CHA-C4A
31	CG	202	PEB	NB-C1B-CHA-C4A
31	CG	202	PEB	C2B-C1B-CHA-C4A
31	DG	201	PEB	ND-C1D-CHC-C4C
31	DG	201	PEB	C2D-C1D-CHC-C4C
31	DG	201	PEB	C3A-C4A-CHA-C1B
31	DG	201	PEB	NB-C1B-CHA-C4A
31	DG	201	PEB	C2B-C1B-CHA-C4A
31	DG	202	PEB	NC-C1C-CHB-C4B
31	DG	202	PEB	C2C-C1C-CHB-C4B
31	DG	202	PEB	NB-C1B-CHA-C4A
31	DG	202	PEB	C2B-C1B-CHA-C4A
31	EG	201	PEB	C2A-C3A-CAA-CBA
31	EG	201	PEB	C4A-C3A-CAA-CBA
31	EG	201	PEB	NB-C1B-CHA-C4A
31	EG	201	PEB	C2B-C1B-CHA-C4A
31	EG	202	PEB	NB-C1B-CHA-C4A
31	EG	202	PEB	C2B-C1B-CHA-C4A
31	FG	201	PEB	ND-C1D-CHC-C4C
31	FG	201	PEB	C2D-C1D-CHC-C4C
31	FG	201	PEB	C2A-C3A-CAA-CBA
31	FG	201	PEB	C4A-C3A-CAA-CBA
31	FG	201	PEB	NB-C1B-CHA-C4A
31	FG	201	PEB	C2B-C1B-CHA-C4A
31	FG	202	PEB	NC-C1C-CHB-C4B
31	FG	202	PEB	C2C-C1C-CHB-C4B
31	FG	202	PEB	NB-C1B-CHA-C4A
31	FG	202	PEB	C2B-C1B-CHA-C4A
31	GG	201	PEB	C2D-C3D-CAD-CBD
31	GG	201	PEB	C4D-C3D-CAD-CBD
31	GG	201	PEB	C2A-C3A-CAA-CBA
31	GG	201	PEB	C4A-C3A-CAA-CBA
31	GG	201	PEB	NB-C1B-CHA-C4A
31	GG	201	PEB	C2B-C1B-CHA-C4A
31	GG	202	PEB	C2A-C3A-CAA-CBA
31	GG	202	PEB	C4A-C3A-CAA-CBA
31	GG	202	PEB	NB-C1B-CHA-C4A
31	GG	202	PEB	C2B-C1B-CHA-C4A
31	GG	203	PEB	NB-C1B-CHA-C4A
31	GG	203	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	HG	201	PEB	NB-C1B-CHA-C4A
31	HG	201	PEB	C2B-C1B-CHA-C4A
31	HG	202	PEB	NC-C1C-CHB-C4B
31	HG	202	PEB	C2C-C1C-CHB-C4B
31	HG	202	PEB	NB-C1B-CHA-C4A
31	HG	202	PEB	C2B-C1B-CHA-C4A
31	HG	203	PEB	C2A-C3A-CAA-CBA
31	HG	203	PEB	C4A-C3A-CAA-CBA
31	HG	203	PEB	NB-C1B-CHA-C4A
31	HG	203	PEB	C2B-C1B-CHA-C4A
31	IG	201	PEB	C2A-C3A-CAA-CBA
31	IG	201	PEB	C4A-C3A-CAA-CBA
31	IG	201	PEB	NB-C1B-CHA-C4A
31	IG	201	PEB	C2B-C1B-CHA-C4A
31	IG	202	PEB	NB-C1B-CHA-C4A
31	IG	202	PEB	C2B-C1B-CHA-C4A
31	IG	203	PEB	C4A-C3A-CAA-CBA
31	IG	203	PEB	NB-C1B-CHA-C4A
31	IG	203	PEB	C2B-C1B-CHA-C4A
31	JG	201	PEB	ND-C1D-CHC-C4C
31	JG	201	PEB	C2D-C1D-CHC-C4C
31	JG	201	PEB	NB-C1B-CHA-C4A
31	JG	201	PEB	C2B-C1B-CHA-C4A
31	JG	202	PEB	NC-C1C-CHB-C4B
31	JG	202	PEB	C2C-C1C-CHB-C4B
31	JG	202	PEB	NB-C1B-CHA-C4A
31	JG	202	PEB	C2B-C1B-CHA-C4A
31	KG	201	PEB	C4A-C3A-CAA-CBA
31	KG	201	PEB	NB-C1B-CHA-C4A
31	KG	201	PEB	C2B-C1B-CHA-C4A
31	KG	202	PEB	C2A-C3A-CAA-CBA
31	KG	202	PEB	C4A-C3A-CAA-CBA
31	KG	202	PEB	NB-C1B-CHA-C4A
31	KG	202	PEB	C2B-C1B-CHA-C4A
31	KG	203	PEB	NB-C1B-CHA-C4A
31	KG	203	PEB	C2B-C1B-CHA-C4A
31	LG	201	PEB	ND-C1D-CHC-C4C
31	LG	201	PEB	C2D-C1D-CHC-C4C
31	LG	201	PEB	C2A-C3A-CAA-CBA
31	LG	201	PEB	C4A-C3A-CAA-CBA
31	LG	201	PEB	NB-C1B-CHA-C4A
31	LG	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	LG	202	PEB	NC-C1C-CHB-C4B
31	LG	202	PEB	C2C-C1C-CHB-C4B
31	LG	202	PEB	NB-C1B-CHA-C4A
31	LG	202	PEB	C2B-C1B-CHA-C4A
31	MG	401	PEB	C2A-C3A-CAA-CBA
31	MG	401	PEB	C4A-C3A-CAA-CBA
31	MG	401	PEB	NB-C1B-CHA-C4A
31	MG	401	PEB	C2B-C1B-CHA-C4A
31	MG	401	PEB	C3B-CAB-CBB-CGB
31	NG	201	PEB	C2A-C3A-CAA-CBA
31	NG	201	PEB	C4A-C3A-CAA-CBA
31	NG	201	PEB	NB-C1B-CHA-C4A
31	NG	201	PEB	C2B-C1B-CHA-C4A
31	NG	202	PEB	NB-C1B-CHA-C4A
31	NG	202	PEB	C2B-C1B-CHA-C4A
31	NG	203	PEB	C2A-C3A-CAA-CBA
31	NG	203	PEB	C4A-C3A-CAA-CBA
31	NG	203	PEB	NB-C1B-CHA-C4A
31	NG	203	PEB	C2B-C1B-CHA-C4A
31	OG	201	PEB	ND-C1D-CHC-C4C
31	OG	201	PEB	C2D-C1D-CHC-C4C
31	OG	201	PEB	NB-C1B-CHA-C4A
31	OG	201	PEB	C2B-C1B-CHA-C4A
31	OG	202	PEB	C2A-C3A-CAA-CBA
31	OG	202	PEB	C4A-C3A-CAA-CBA
31	OG	202	PEB	NB-C1B-CHA-C4A
31	OG	202	PEB	C2B-C1B-CHA-C4A
31	OG	203	PEB	NC-C1C-CHB-C4B
31	OG	203	PEB	C2C-C1C-CHB-C4B
31	OG	203	PEB	NB-C1B-CHA-C4A
31	OG	203	PEB	C2B-C1B-CHA-C4A
31	PG	201	PEB	C2A-C3A-CAA-CBA
31	PG	201	PEB	C4A-C3A-CAA-CBA
31	PG	201	PEB	NB-C1B-CHA-C4A
31	PG	201	PEB	C2B-C1B-CHA-C4A
31	PG	202	PEB	NB-C1B-CHA-C4A
31	PG	202	PEB	C2B-C1B-CHA-C4A
31	QG	201	PEB	NC-C1C-CHB-C4B
31	QG	201	PEB	C2C-C1C-CHB-C4B
31	QG	201	PEB	NB-C1B-CHA-C4A
31	QG	201	PEB	C2B-C1B-CHA-C4A
31	RG	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	RG	201	PEB	C4A-C3A-CAA-CBA
31	RG	201	PEB	NB-C1B-CHA-C4A
31	RG	201	PEB	C2B-C1B-CHA-C4A
31	RG	202	PEB	NB-C1B-CHA-C4A
31	RG	202	PEB	C2B-C1B-CHA-C4A
31	RG	203	PEB	C2A-C3A-CAA-CBA
31	RG	203	PEB	C4A-C3A-CAA-CBA
31	RG	203	PEB	NB-C1B-CHA-C4A
31	RG	203	PEB	C2B-C1B-CHA-C4A
31	SG	201	PEB	ND-C1D-CHC-C4C
31	SG	201	PEB	C2D-C1D-CHC-C4C
31	SG	201	PEB	NB-C1B-CHA-C4A
31	SG	201	PEB	C2B-C1B-CHA-C4A
31	SG	202	PEB	NC-C1C-CHB-C4B
31	SG	202	PEB	C2C-C1C-CHB-C4B
31	SG	202	PEB	NB-C1B-CHA-C4A
31	SG	202	PEB	C2B-C1B-CHA-C4A
31	TG	201	PEB	C2A-C3A-CAA-CBA
31	TG	201	PEB	C4A-C3A-CAA-CBA
31	TG	201	PEB	NB-C1B-CHA-C4A
31	TG	201	PEB	C2B-C1B-CHA-C4A
31	TG	202	PEB	C2A-C3A-CAA-CBA
31	TG	202	PEB	C4A-C3A-CAA-CBA
31	TG	202	PEB	NB-C1B-CHA-C4A
31	TG	202	PEB	C2B-C1B-CHA-C4A
31	TG	203	PEB	NB-C1B-CHA-C4A
31	TG	203	PEB	C2B-C1B-CHA-C4A
31	UG	201	PEB	NB-C1B-CHA-C4A
31	UG	201	PEB	C2B-C1B-CHA-C4A
31	UG	202	PEB	NC-C1C-CHB-C4B
31	UG	202	PEB	C2C-C1C-CHB-C4B
31	UG	202	PEB	NB-C1B-CHA-C4A
31	UG	202	PEB	C2B-C1B-CHA-C4A
31	VG	201	PEB	C2A-C3A-CAA-CBA
31	VG	201	PEB	C4A-C3A-CAA-CBA
31	VG	201	PEB	NB-C1B-CHA-C4A
31	VG	201	PEB	C2B-C1B-CHA-C4A
31	VG	202	PEB	NB-C1B-CHA-C4A
31	VG	202	PEB	C2B-C1B-CHA-C4A
31	VG	203	PEB	C2D-C3D-CAD-CBD
31	VG	203	PEB	C4D-C3D-CAD-CBD
31	VG	203	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	VG	203	PEB	C4A-C3A-CAA-CBA
31	VG	203	PEB	NB-C1B-CHA-C4A
31	VG	203	PEB	C2B-C1B-CHA-C4A
31	WG	201	PEB	ND-C1D-CHC-C4C
31	WG	201	PEB	C2D-C1D-CHC-C4C
31	WG	201	PEB	NB-C1B-CHA-C4A
31	WG	201	PEB	C2B-C1B-CHA-C4A
31	WG	202	PEB	C4A-C3A-CAA-CBA
31	WG	202	PEB	NB-C1B-CHA-C4A
31	WG	202	PEB	C2B-C1B-CHA-C4A
31	WG	203	PEB	NC-C1C-CHB-C4B
31	WG	203	PEB	C2C-C1C-CHB-C4B
31	WG	203	PEB	NB-C1B-CHA-C4A
31	WG	203	PEB	C2B-C1B-CHA-C4A
31	XG	201	PEB	C2A-C3A-CAA-CBA
31	XG	201	PEB	C4A-C3A-CAA-CBA
31	XG	201	PEB	NB-C1B-CHA-C4A
31	XG	201	PEB	C2B-C1B-CHA-C4A
31	XG	202	PEB	NB-C1B-CHA-C4A
31	XG	202	PEB	C2B-C1B-CHA-C4A
31	YG	201	PEB	ND-C1D-CHC-C4C
31	YG	201	PEB	C2D-C1D-CHC-C4C
31	YG	201	PEB	C2A-C3A-CAA-CBA
31	YG	201	PEB	C4A-C3A-CAA-CBA
31	YG	201	PEB	NB-C1B-CHA-C4A
31	YG	201	PEB	C2B-C1B-CHA-C4A
31	YG	202	PEB	NC-C1C-CHB-C4B
31	YG	202	PEB	C2C-C1C-CHB-C4B
31	YG	202	PEB	NB-C1B-CHA-C4A
31	YG	202	PEB	C2B-C1B-CHA-C4A
31	ZG	401	PEB	ND-C1D-CHC-C4C
31	ZG	401	PEB	NB-C1B-CHA-C4A
31	ZG	401	PEB	C2B-C1B-CHA-C4A
31	AH	301	PEB	ND-C1D-CHC-C4C
31	AH	301	PEB	C2C-CAC-CBC-CGC
31	AH	301	PEB	C2A-C3A-CAA-CBA
31	AH	301	PEB	C4A-C3A-CAA-CBA
31	AH	301	PEB	NB-C1B-CHA-C4A
31	AH	301	PEB	C2B-C1B-CHA-C4A
31	AH	302	PEB	ND-C1D-CHC-C4C
31	AH	302	PEB	C2D-C1D-CHC-C4C
31	AH	302	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	AH	302	PEB	C2B-C1B-CHA-C4A
31	BH	301	PEB	C1C-C2C-CAC-CBC
31	BH	301	PEB	C3C-C2C-CAC-CBC
31	BH	301	PEB	NB-C1B-CHA-C4A
31	BH	301	PEB	C2B-C1B-CHA-C4A
31	CH	201	PEB	NB-C1B-CHA-C4A
31	CH	201	PEB	C2B-C1B-CHA-C4A
31	CH	202	PEB	C2A-C3A-CAA-CBA
31	CH	202	PEB	C4A-C3A-CAA-CBA
31	CH	202	PEB	NB-C1B-CHA-C4A
31	CH	202	PEB	C2B-C1B-CHA-C4A
31	CH	203	PEB	C2A-C3A-CAA-CBA
31	CH	203	PEB	C4A-C3A-CAA-CBA
31	CH	203	PEB	NB-C1B-CHA-C4A
31	CH	203	PEB	C2B-C1B-CHA-C4A
31	DH	201	PEB	ND-C1D-CHC-C4C
31	DH	201	PEB	NC-C1C-CHB-C4B
31	DH	201	PEB	C2C-C1C-CHB-C4B
31	DH	201	PEB	C2C-CAC-CBC-CGC
31	DH	201	PEB	NB-C1B-CHA-C4A
31	DH	201	PEB	C2B-C1B-CHA-C4A
31	DH	202	PEB	ND-C1D-CHC-C4C
31	DH	202	PEB	NC-C1C-CHB-C4B
31	DH	202	PEB	C2C-C1C-CHB-C4B
31	DH	202	PEB	NB-C1B-CHA-C4A
31	DH	202	PEB	C2B-C1B-CHA-C4A
31	EH	201	PEB	C4A-C3A-CAA-CBA
31	EH	201	PEB	NB-C1B-CHA-C4A
31	EH	201	PEB	C2B-C1B-CHA-C4A
31	EH	202	PEB	NB-C1B-CHA-C4A
31	EH	202	PEB	C2B-C1B-CHA-C4A
31	EH	203	PEB	ND-C1D-CHC-C4C
31	EH	203	PEB	C4A-C3A-CAA-CBA
31	EH	203	PEB	NB-C1B-CHA-C4A
31	EH	203	PEB	C2B-C1B-CHA-C4A
31	FH	201	PEB	ND-C1D-CHC-C4C
31	FH	201	PEB	C2D-C1D-CHC-C4C
31	FH	201	PEB	C2C-C1C-CHB-C4B
31	FH	201	PEB	C2C-CAC-CBC-CGC
31	FH	201	PEB	NB-C1B-CHA-C4A
31	FH	201	PEB	C2B-C1B-CHA-C4A
31	FH	202	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	FH	202	PEB	C2C-C1C-CHB-C4B
31	FH	202	PEB	NB-C1B-CHA-C4A
31	FH	202	PEB	C2B-C1B-CHA-C4A
31	GH	201	PEB	C2C-CAC-CBC-CGC
31	GH	201	PEB	NB-C1B-CHA-C4A
31	GH	201	PEB	C2B-C1B-CHA-C4A
31	GH	202	PEB	NB-C1B-CHA-C4A
31	GH	202	PEB	C2B-C1B-CHA-C4A
31	GH	203	PEB	C4A-C3A-CAA-CBA
31	GH	203	PEB	NB-C1B-CHA-C4A
31	GH	203	PEB	C2B-C1B-CHA-C4A
31	HH	201	PEB	ND-C1D-CHC-C4C
31	HH	201	PEB	C2D-C1D-CHC-C4C
31	HH	201	PEB	NC-C1C-CHB-C4B
31	HH	201	PEB	C2C-C1C-CHB-C4B
31	HH	201	PEB	NB-C1B-CHA-C4A
31	HH	201	PEB	C2B-C1B-CHA-C4A
31	HH	202	PEB	NC-C1C-CHB-C4B
31	HH	202	PEB	C2C-C1C-CHB-C4B
31	HH	202	PEB	C2C-CAC-CBC-CGC
31	HH	202	PEB	NB-C1B-CHA-C4A
31	HH	202	PEB	C2B-C1B-CHA-C4A
31	IH	201	PEB	C4A-C3A-CAA-CBA
31	IH	201	PEB	NB-C1B-CHA-C4A
31	IH	201	PEB	C2B-C1B-CHA-C4A
31	IH	202	PEB	NB-C1B-CHA-C4A
31	IH	202	PEB	C2B-C1B-CHA-C4A
31	IH	203	PEB	NC-C1C-CHB-C4B
31	IH	203	PEB	NB-C1B-CHA-C4A
31	IH	203	PEB	C2B-C1B-CHA-C4A
31	JH	201	PEB	ND-C1D-CHC-C4C
31	JH	201	PEB	C2D-C1D-CHC-C4C
31	JH	201	PEB	NC-C1C-CHB-C4B
31	JH	201	PEB	C2C-C1C-CHB-C4B
31	JH	201	PEB	NB-C1B-CHA-C4A
31	JH	201	PEB	C2B-C1B-CHA-C4A
31	JH	202	PEB	NC-C1C-CHB-C4B
31	JH	202	PEB	C2C-C1C-CHB-C4B
31	JH	202	PEB	NB-C1B-CHA-C4A
31	JH	202	PEB	C2B-C1B-CHA-C4A
31	KH	201	PEB	NB-C1B-CHA-C4A
31	KH	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	KH	202	PEB	ND-C1D-CHC-C4C
31	KH	202	PEB	C2D-C1D-CHC-C4C
31	KH	202	PEB	NC-C1C-CHB-C4B
31	KH	202	PEB	C2C-C1C-CHB-C4B
31	KH	202	PEB	C2A-C3A-CAA-CBA
31	KH	202	PEB	C4A-C3A-CAA-CBA
31	KH	202	PEB	NB-C1B-CHA-C4A
31	KH	202	PEB	C2B-C1B-CHA-C4A
31	KH	203	PEB	C4A-C3A-CAA-CBA
31	KH	203	PEB	NB-C1B-CHA-C4A
31	KH	203	PEB	C2B-C1B-CHA-C4A
31	LH	201	PEB	ND-C1D-CHC-C4C
31	LH	201	PEB	C2D-C1D-CHC-C4C
31	LH	201	PEB	C2C-C1C-CHB-C4B
31	LH	201	PEB	NB-C1B-CHA-C4A
31	LH	201	PEB	C2B-C1B-CHA-C4A
31	LH	202	PEB	NC-C1C-CHB-C4B
31	LH	202	PEB	C2C-C1C-CHB-C4B
31	LH	202	PEB	NB-C1B-CHA-C4A
31	LH	202	PEB	C2B-C1B-CHA-C4A
31	MH	201	PEB	C4A-C3A-CAA-CBA
31	MH	201	PEB	NB-C1B-CHA-C4A
31	MH	201	PEB	C2B-C1B-CHA-C4A
31	MH	202	PEB	NB-C1B-CHA-C4A
31	MH	202	PEB	C2B-C1B-CHA-C4A
31	MH	203	PEB	C4A-C3A-CAA-CBA
31	MH	203	PEB	NB-C1B-CHA-C4A
31	MH	203	PEB	C2B-C1B-CHA-C4A
31	NH	201	PEB	ND-C1D-CHC-C4C
31	NH	201	PEB	C2D-C1D-CHC-C4C
31	NH	201	PEB	NC-C1C-CHB-C4B
31	NH	201	PEB	C2C-C1C-CHB-C4B
31	NH	201	PEB	NB-C1B-CHA-C4A
31	NH	201	PEB	C2B-C1B-CHA-C4A
31	NH	202	PEB	NC-C1C-CHB-C4B
31	NH	202	PEB	C2C-C1C-CHB-C4B
31	NH	202	PEB	NB-C1B-CHA-C4A
31	NH	202	PEB	C2B-C1B-CHA-C4A
31	OH	201	PEB	NB-C1B-CHA-C4A
31	OH	201	PEB	C2B-C1B-CHA-C4A
31	OH	202	PEB	ND-C1D-CHC-C4C
31	OH	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	OH	202	PEB	NC-C1C-CHB-C4B
31	OH	202	PEB	C2C-C1C-CHB-C4B
31	OH	202	PEB	C1C-C2C-CAC-CBC
31	OH	202	PEB	C4A-C3A-CAA-CBA
31	OH	202	PEB	NB-C1B-CHA-C4A
31	OH	202	PEB	C2B-C1B-CHA-C4A
31	OH	203	PEB	C2A-C3A-CAA-CBA
31	OH	203	PEB	C4A-C3A-CAA-CBA
31	OH	203	PEB	NB-C1B-CHA-C4A
31	OH	203	PEB	C2B-C1B-CHA-C4A
31	PH	201	PEB	ND-C1D-CHC-C4C
31	PH	201	PEB	C2D-C1D-CHC-C4C
31	PH	201	PEB	NB-C1B-CHA-C4A
31	PH	201	PEB	C2B-C1B-CHA-C4A
31	PH	202	PEB	NC-C1C-CHB-C4B
31	PH	202	PEB	C2C-C1C-CHB-C4B
31	PH	202	PEB	NB-C1B-CHA-C4A
31	PH	202	PEB	C2B-C1B-CHA-C4A
31	QH	201	PEB	C4A-C3A-CAA-CBA
31	QH	201	PEB	NB-C1B-CHA-C4A
31	QH	201	PEB	C2B-C1B-CHA-C4A
31	QH	203	PEB	NB-C1B-CHA-C4A
31	QH	203	PEB	C2B-C1B-CHA-C4A
31	QH	204	PEB	C4A-C3A-CAA-CBA
31	QH	204	PEB	NB-C1B-CHA-C4A
31	QH	204	PEB	C2B-C1B-CHA-C4A
31	RH	201	PEB	ND-C1D-CHC-C4C
31	RH	201	PEB	C2D-C1D-CHC-C4C
31	RH	201	PEB	NB-C1B-CHA-C4A
31	RH	201	PEB	C2B-C1B-CHA-C4A
31	RH	202	PEB	NC-C1C-CHB-C4B
31	RH	202	PEB	C2C-C1C-CHB-C4B
31	RH	202	PEB	NB-C1B-CHA-C4A
31	RH	202	PEB	C2B-C1B-CHA-C4A
31	SH	201	PEB	ND-C1D-CHC-C4C
31	SH	201	PEB	C2D-C1D-CHC-C4C
31	SH	201	PEB	NB-C1B-CHA-C4A
31	SH	201	PEB	C2B-C1B-CHA-C4A
31	SH	202	PEB	C4A-C3A-CAA-CBA
31	SH	202	PEB	NB-C1B-CHA-C4A
31	SH	202	PEB	C2B-C1B-CHA-C4A
31	SH	203	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	SH	203	PEB	NB-C1B-CHA-C4A
31	SH	203	PEB	C2B-C1B-CHA-C4A
31	TH	201	PEB	ND-C1D-CHC-C4C
31	TH	201	PEB	NC-C1C-CHB-C4B
31	TH	201	PEB	C2C-C1C-CHB-C4B
31	TH	201	PEB	NB-C1B-CHA-C4A
31	TH	201	PEB	C2B-C1B-CHA-C4A
31	TH	202	PEB	NC-C1C-CHB-C4B
31	TH	202	PEB	C2C-C1C-CHB-C4B
31	TH	202	PEB	NB-C1B-CHA-C4A
31	TH	202	PEB	C2B-C1B-CHA-C4A
31	UH	201	PEB	C4A-C3A-CAA-CBA
31	UH	201	PEB	NB-C1B-CHA-C4A
31	UH	201	PEB	C2B-C1B-CHA-C4A
31	UH	202	PEB	NB-C1B-CHA-C4A
31	UH	202	PEB	C2B-C1B-CHA-C4A
31	UH	203	PEB	ND-C1D-CHC-C4C
31	UH	203	PEB	C2D-C1D-CHC-C4C
31	UH	203	PEB	NB-C1B-CHA-C4A
31	UH	203	PEB	C2B-C1B-CHA-C4A
31	VH	201	PEB	ND-C1D-CHC-C4C
31	VH	201	PEB	C2D-C1D-CHC-C4C
31	VH	201	PEB	NC-C1C-CHB-C4B
31	VH	201	PEB	C2C-C1C-CHB-C4B
31	VH	201	PEB	NB-C1B-CHA-C4A
31	VH	201	PEB	C2B-C1B-CHA-C4A
31	VH	202	PEB	NC-C1C-CHB-C4B
31	VH	202	PEB	C2C-C1C-CHB-C4B
31	VH	202	PEB	NB-C1B-CHA-C4A
31	VH	202	PEB	C2B-C1B-CHA-C4A
31	WH	201	PEB	NB-C1B-CHA-C4A
31	WH	201	PEB	C2B-C1B-CHA-C4A
31	WH	202	PEB	ND-C1D-CHC-C4C
31	WH	202	PEB	NC-C1C-CHB-C4B
31	WH	202	PEB	C2C-C1C-CHB-C4B
31	WH	202	PEB	C2A-C3A-CAA-CBA
31	WH	202	PEB	C4A-C3A-CAA-CBA
31	WH	202	PEB	NB-C1B-CHA-C4A
31	WH	202	PEB	C2B-C1B-CHA-C4A
31	WH	203	PEB	C4A-C3A-CAA-CBA
31	WH	203	PEB	NB-C1B-CHA-C4A
31	WH	203	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	XH	201	PEB	ND-C1D-CHC-C4C
31	XH	201	PEB	C2D-C1D-CHC-C4C
31	XH	201	PEB	C2C-CAC-CBC-CGC
31	XH	201	PEB	NB-C1B-CHA-C4A
31	XH	201	PEB	C2B-C1B-CHA-C4A
31	XH	202	PEB	NC-C1C-CHB-C4B
31	XH	202	PEB	C2C-C1C-CHB-C4B
31	XH	202	PEB	C2C-CAC-CBC-CGC
31	XH	202	PEB	NB-C1B-CHA-C4A
31	XH	202	PEB	C2B-C1B-CHA-C4A
31	YH	201	PEB	C4A-C3A-CAA-CBA
31	YH	201	PEB	NB-C1B-CHA-C4A
31	YH	201	PEB	C2B-C1B-CHA-C4A
31	YH	202	PEB	NB-C1B-CHA-C4A
31	YH	202	PEB	C2B-C1B-CHA-C4A
31	YH	203	PEB	C4A-C3A-CAA-CBA
31	YH	203	PEB	NB-C1B-CHA-C4A
31	YH	203	PEB	C2B-C1B-CHA-C4A
31	ZH	201	PEB	ND-C1D-CHC-C4C
31	ZH	201	PEB	C2D-C1D-CHC-C4C
31	ZH	201	PEB	NB-C1B-CHA-C4A
31	ZH	201	PEB	C2B-C1B-CHA-C4A
31	ZH	202	PEB	NC-C1C-CHB-C4B
31	ZH	202	PEB	C2C-C1C-CHB-C4B
31	ZH	202	PEB	C2C-CAC-CBC-CGC
31	ZH	202	PEB	NB-C1B-CHA-C4A
31	ZH	202	PEB	C2B-C1B-CHA-C4A
31	AI	201	PEB	ND-C1D-CHC-C4C
31	AI	201	PEB	C2D-C1D-CHC-C4C
31	AI	201	PEB	NB-C1B-CHA-C4A
31	AI	201	PEB	C2B-C1B-CHA-C4A
31	AI	202	PEB	ND-C1D-CHC-C4C
31	AI	202	PEB	C2D-C1D-CHC-C4C
31	AI	202	PEB	NC-C1C-CHB-C4B
31	AI	202	PEB	C2C-C1C-CHB-C4B
31	AI	202	PEB	C4A-C3A-CAA-CBA
31	AI	202	PEB	NB-C1B-CHA-C4A
31	AI	202	PEB	C2B-C1B-CHA-C4A
31	BI	201	PEB	ND-C1D-CHC-C4C
31	BI	201	PEB	C2D-C1D-CHC-C4C
31	BI	201	PEB	NC-C1C-CHB-C4B
31	BI	201	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	BI	201	PEB	C2C-CAC-CBC-CGC
31	BI	201	PEB	NB-C1B-CHA-C4A
31	BI	201	PEB	C2B-C1B-CHA-C4A
31	BI	202	PEB	C2A-C3A-CAA-CBA
31	BI	202	PEB	C4A-C3A-CAA-CBA
31	BI	202	PEB	NB-C1B-CHA-C4A
31	BI	202	PEB	C2B-C1B-CHA-C4A
31	BI	203	PEB	ND-C1D-CHC-C4C
31	BI	203	PEB	C2D-C1D-CHC-C4C
31	BI	203	PEB	NC-C1C-CHB-C4B
31	BI	203	PEB	C2C-C1C-CHB-C4B
31	BI	203	PEB	NB-C1B-CHA-C4A
31	BI	203	PEB	C2B-C1B-CHA-C4A
31	CI	201	PEB	ND-C1D-CHC-C4C
31	CI	201	PEB	C2D-C1D-CHC-C4C
31	CI	201	PEB	NB-C1B-CHA-C4A
31	CI	201	PEB	C2B-C1B-CHA-C4A
31	CI	202	PEB	ND-C1D-CHC-C4C
31	CI	202	PEB	C2D-C1D-CHC-C4C
31	CI	202	PEB	NC-C1C-CHB-C4B
31	CI	202	PEB	C2C-C1C-CHB-C4B
31	CI	202	PEB	C4A-C3A-CAA-CBA
31	CI	202	PEB	NB-C1B-CHA-C4A
31	CI	202	PEB	C2B-C1B-CHA-C4A
31	DI	201	PEB	ND-C1D-CHC-C4C
31	DI	201	PEB	C2D-C1D-CHC-C4C
31	DI	201	PEB	NB-C1B-CHA-C4A
31	DI	201	PEB	C2B-C1B-CHA-C4A
31	DI	202	PEB	C2A-C3A-CAA-CBA
31	DI	202	PEB	C4A-C3A-CAA-CBA
31	DI	202	PEB	NB-C1B-CHA-C4A
31	DI	202	PEB	C2B-C1B-CHA-C4A
31	DI	203	PEB	ND-C1D-CHC-C4C
31	DI	203	PEB	C2D-C1D-CHC-C4C
31	DI	203	PEB	NC-C1C-CHB-C4B
31	DI	203	PEB	C2C-C1C-CHB-C4B
31	DI	203	PEB	NB-C1B-CHA-C4A
31	DI	203	PEB	C2B-C1B-CHA-C4A
31	EI	201	PEB	ND-C1D-CHC-C4C
31	EI	201	PEB	C2D-C1D-CHC-C4C
31	EI	201	PEB	NB-C1B-CHA-C4A
31	EI	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	EI	202	PEB	ND-C1D-CHC-C4C
31	EI	202	PEB	C2D-C1D-CHC-C4C
31	EI	202	PEB	NC-C1C-CHB-C4B
31	EI	202	PEB	C2C-C1C-CHB-C4B
31	EI	202	PEB	C4A-C3A-CAA-CBA
31	EI	202	PEB	NB-C1B-CHA-C4A
31	EI	202	PEB	C2B-C1B-CHA-C4A
31	FI	201	PEB	ND-C1D-CHC-C4C
31	FI	201	PEB	C2D-C1D-CHC-C4C
31	FI	201	PEB	NC-C1C-CHB-C4B
31	FI	201	PEB	C2C-C1C-CHB-C4B
31	FI	201	PEB	C2C-CAC-CBC-CGC
31	FI	201	PEB	NB-C1B-CHA-C4A
31	FI	201	PEB	C2B-C1B-CHA-C4A
31	FI	202	PEB	C4A-C3A-CAA-CBA
31	FI	202	PEB	NB-C1B-CHA-C4A
31	FI	202	PEB	C2B-C1B-CHA-C4A
31	FI	203	PEB	ND-C1D-CHC-C4C
31	FI	203	PEB	C2D-C1D-CHC-C4C
31	FI	203	PEB	NC-C1C-CHB-C4B
31	FI	203	PEB	C2C-C1C-CHB-C4B
31	FI	203	PEB	C4A-C3A-CAA-CBA
31	FI	203	PEB	NB-C1B-CHA-C4A
31	FI	203	PEB	C2B-C1B-CHA-C4A
31	GI	201	PEB	ND-C1D-CHC-C4C
31	GI	201	PEB	C2D-C1D-CHC-C4C
31	GI	201	PEB	NB-C1B-CHA-C4A
31	GI	201	PEB	C2B-C1B-CHA-C4A
31	GI	202	PEB	ND-C1D-CHC-C4C
31	GI	202	PEB	C2D-C1D-CHC-C4C
31	GI	202	PEB	NC-C1C-CHB-C4B
31	GI	202	PEB	C2C-C1C-CHB-C4B
31	GI	202	PEB	C4A-C3A-CAA-CBA
31	GI	202	PEB	NB-C1B-CHA-C4A
31	GI	202	PEB	C2B-C1B-CHA-C4A
31	HI	201	PEB	ND-C1D-CHC-C4C
31	HI	201	PEB	C2C-CAC-CBC-CGC
31	HI	201	PEB	NB-C1B-CHA-C4A
31	HI	201	PEB	C2B-C1B-CHA-C4A
31	HI	202	PEB	C2A-C3A-CAA-CBA
31	HI	202	PEB	C4A-C3A-CAA-CBA
31	HI	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	HI	202	PEB	C2B-C1B-CHA-C4A
31	HI	203	PEB	ND-C1D-CHC-C4C
31	HI	203	PEB	C2D-C1D-CHC-C4C
31	HI	203	PEB	C2C-C1C-CHB-C4B
31	HI	203	PEB	C2A-C3A-CAA-CBA
31	HI	203	PEB	C4A-C3A-CAA-CBA
31	HI	203	PEB	NB-C1B-CHA-C4A
31	HI	203	PEB	C2B-C1B-CHA-C4A
31	II	201	PEB	ND-C1D-CHC-C4C
31	II	201	PEB	C2D-C1D-CHC-C4C
31	II	201	PEB	NB-C1B-CHA-C4A
31	II	201	PEB	C2B-C1B-CHA-C4A
31	II	202	PEB	ND-C1D-CHC-C4C
31	II	202	PEB	C2D-C1D-CHC-C4C
31	II	202	PEB	NC-C1C-CHB-C4B
31	II	202	PEB	C2C-C1C-CHB-C4B
31	II	202	PEB	C4A-C3A-CAA-CBA
31	II	202	PEB	NB-C1B-CHA-C4A
31	II	202	PEB	C2B-C1B-CHA-C4A
31	JI	201	PEB	ND-C1D-CHC-C4C
31	JI	201	PEB	C2D-C1D-CHC-C4C
31	JI	201	PEB	NC-C1C-CHB-C4B
31	JI	201	PEB	NB-C1B-CHA-C4A
31	JI	201	PEB	C2B-C1B-CHA-C4A
31	JI	202	PEB	C2C-CAC-CBC-CGC
31	JI	202	PEB	C2A-C3A-CAA-CBA
31	JI	202	PEB	C4A-C3A-CAA-CBA
31	JI	202	PEB	NB-C1B-CHA-C4A
31	JI	202	PEB	C2B-C1B-CHA-C4A
31	JI	203	PEB	ND-C1D-CHC-C4C
31	JI	203	PEB	C2D-C1D-CHC-C4C
31	JI	203	PEB	NC-C1C-CHB-C4B
31	JI	203	PEB	C2C-C1C-CHB-C4B
31	JI	203	PEB	NB-C1B-CHA-C4A
31	JI	203	PEB	C2B-C1B-CHA-C4A
31	KI	201	PEB	ND-C1D-CHC-C4C
31	KI	201	PEB	C2D-C1D-CHC-C4C
31	KI	201	PEB	NB-C1B-CHA-C4A
31	KI	201	PEB	C2B-C1B-CHA-C4A
31	KI	202	PEB	ND-C1D-CHC-C4C
31	KI	202	PEB	C2D-C1D-CHC-C4C
31	KI	202	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	KI	202	PEB	C2C-C1C-CHB-C4B
31	KI	202	PEB	C4A-C3A-CAA-CBA
31	KI	202	PEB	NB-C1B-CHA-C4A
31	KI	202	PEB	C2B-C1B-CHA-C4A
31	LI	201	PEB	ND-C1D-CHC-C4C
31	LI	201	PEB	C2D-C1D-CHC-C4C
31	LI	201	PEB	C2C-CAC-CBC-CGC
31	LI	201	PEB	NB-C1B-CHA-C4A
31	LI	201	PEB	C2B-C1B-CHA-C4A
31	LI	202	PEB	C2A-C3A-CAA-CBA
31	LI	202	PEB	C4A-C3A-CAA-CBA
31	LI	202	PEB	NB-C1B-CHA-C4A
31	LI	202	PEB	C2B-C1B-CHA-C4A
31	LI	203	PEB	ND-C1D-CHC-C4C
31	LI	203	PEB	C2D-C1D-CHC-C4C
31	LI	203	PEB	NB-C1B-CHA-C4A
31	LI	203	PEB	C2B-C1B-CHA-C4A
31	MI	301	PEB	NB-C1B-CHA-C4A
31	MI	301	PEB	C2B-C1B-CHA-C4A
31	MI	302	PEB	NC-C1C-CHB-C4B
31	MI	302	PEB	C2C-C1C-CHB-C4B
31	MI	302	PEB	C2D-C3D-CAD-CBD
31	MI	302	PEB	C4A-C3A-CAA-CBA
31	MI	302	PEB	NB-C1B-CHA-C4A
31	MI	302	PEB	C2B-C1B-CHA-C4A
31	MI	304	PEB	ND-C1D-CHC-C4C
31	MI	304	PEB	C2D-C1D-CHC-C4C
31	MI	304	PEB	NC-C1C-CHB-C4B
31	MI	304	PEB	C2C-C1C-CHB-C4B
31	MI	304	PEB	NB-C1B-CHA-C4A
31	MI	304	PEB	C2B-C1B-CHA-C4A
31	MI	305	PEB	ND-C1D-CHC-C4C
31	MI	305	PEB	C2D-C1D-CHC-C4C
31	MI	305	PEB	C2C-CAC-CBC-CGC
31	MI	305	PEB	NB-C1B-CHA-C4A
31	MI	305	PEB	C2B-C1B-CHA-C4A
31	NI	201	PEB	ND-C1D-CHC-C4C
31	NI	201	PEB	C2D-C1D-CHC-C4C
31	NI	201	PEB	NB-C1B-CHA-C4A
31	NI	201	PEB	C2B-C1B-CHA-C4A
31	NI	202	PEB	ND-C1D-CHC-C4C
31	NI	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	NI	202	PEB	NC-C1C-CHB-C4B
31	NI	202	PEB	C2C-C1C-CHB-C4B
31	NI	202	PEB	C4A-C3A-CAA-CBA
31	NI	202	PEB	NB-C1B-CHA-C4A
31	NI	202	PEB	C2B-C1B-CHA-C4A
31	OI	201	PEB	ND-C1D-CHC-C4C
31	OI	201	PEB	C2D-C1D-CHC-C4C
31	OI	201	PEB	NC-C1C-CHB-C4B
31	OI	201	PEB	C2C-C1C-CHB-C4B
31	OI	201	PEB	C2C-CAC-CBC-CGC
31	OI	201	PEB	C2A-C3A-CAA-CBA
31	OI	201	PEB	C4A-C3A-CAA-CBA
31	OI	201	PEB	NB-C1B-CHA-C4A
31	OI	201	PEB	C2B-C1B-CHA-C4A
31	OI	202	PEB	NC-C1C-CHB-C4B
31	OI	202	PEB	C2C-C1C-CHB-C4B
31	OI	202	PEB	C2C-CAC-CBC-CGC
31	OI	202	PEB	C2A-C3A-CAA-CBA
31	OI	202	PEB	C4A-C3A-CAA-CBA
31	OI	202	PEB	NB-C1B-CHA-C4A
31	OI	202	PEB	C2B-C1B-CHA-C4A
31	OI	203	PEB	ND-C1D-CHC-C4C
31	OI	203	PEB	C2D-C1D-CHC-C4C
31	OI	203	PEB	NC-C1C-CHB-C4B
31	OI	203	PEB	C2C-C1C-CHB-C4B
31	OI	203	PEB	NB-C1B-CHA-C4A
31	OI	203	PEB	C2B-C1B-CHA-C4A
31	PI	201	PEB	ND-C1D-CHC-C4C
31	PI	201	PEB	C2D-C1D-CHC-C4C
31	PI	201	PEB	NB-C1B-CHA-C4A
31	PI	201	PEB	C2B-C1B-CHA-C4A
31	PI	202	PEB	ND-C1D-CHC-C4C
31	PI	202	PEB	C2D-C1D-CHC-C4C
31	PI	202	PEB	NC-C1C-CHB-C4B
31	PI	202	PEB	C2C-C1C-CHB-C4B
31	PI	202	PEB	C4A-C3A-CAA-CBA
31	PI	202	PEB	NB-C1B-CHA-C4A
31	PI	202	PEB	C2B-C1B-CHA-C4A
31	QI	201	PEB	ND-C1D-CHC-C4C
31	QI	201	PEB	C2D-C1D-CHC-C4C
31	QI	201	PEB	NC-C1C-CHB-C4B
31	QI	201	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	QI	201	PEB	NB-C1B-CHA-C4A
31	QI	201	PEB	C2B-C1B-CHA-C4A
31	QI	202	PEB	C2A-C3A-CAA-CBA
31	QI	202	PEB	C4A-C3A-CAA-CBA
31	QI	202	PEB	NB-C1B-CHA-C4A
31	QI	202	PEB	C2B-C1B-CHA-C4A
31	QI	203	PEB	ND-C1D-CHC-C4C
31	QI	203	PEB	C2D-C1D-CHC-C4C
31	QI	203	PEB	NC-C1C-CHB-C4B
31	QI	203	PEB	C2C-C1C-CHB-C4B
31	QI	203	PEB	NB-C1B-CHA-C4A
31	QI	203	PEB	C2B-C1B-CHA-C4A
31	RI	201	PEB	ND-C1D-CHC-C4C
31	RI	201	PEB	C2D-C1D-CHC-C4C
31	RI	201	PEB	NB-C1B-CHA-C4A
31	RI	201	PEB	C2B-C1B-CHA-C4A
31	RI	202	PEB	ND-C1D-CHC-C4C
31	RI	202	PEB	C2D-C1D-CHC-C4C
31	RI	202	PEB	NC-C1C-CHB-C4B
31	RI	202	PEB	C2C-C1C-CHB-C4B
31	RI	202	PEB	C4A-C3A-CAA-CBA
31	RI	202	PEB	NB-C1B-CHA-C4A
31	RI	202	PEB	C2B-C1B-CHA-C4A
31	SI	201	PEB	ND-C1D-CHC-C4C
31	SI	201	PEB	C2D-C1D-CHC-C4C
31	SI	201	PEB	NC-C1C-CHB-C4B
31	SI	201	PEB	C2C-C1C-CHB-C4B
31	SI	201	PEB	C2C-CAC-CBC-CGC
31	SI	201	PEB	NB-C1B-CHA-C4A
31	SI	201	PEB	C2B-C1B-CHA-C4A
31	SI	202	PEB	C4A-C3A-CAA-CBA
31	SI	202	PEB	NB-C1B-CHA-C4A
31	SI	202	PEB	C2B-C1B-CHA-C4A
31	SI	203	PEB	ND-C1D-CHC-C4C
31	SI	203	PEB	C2D-C1D-CHC-C4C
31	SI	203	PEB	NC-C1C-CHB-C4B
31	SI	203	PEB	C2C-C1C-CHB-C4B
31	SI	203	PEB	C2A-C3A-CAA-CBA
31	SI	203	PEB	C4A-C3A-CAA-CBA
31	SI	203	PEB	NB-C1B-CHA-C4A
31	SI	203	PEB	C2B-C1B-CHA-C4A
31	TI	201	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	TI	201	PEB	C2D-C1D-CHC-C4C
31	TI	201	PEB	NB-C1B-CHA-C4A
31	TI	201	PEB	C2B-C1B-CHA-C4A
31	TI	202	PEB	ND-C1D-CHC-C4C
31	TI	202	PEB	C2D-C1D-CHC-C4C
31	TI	202	PEB	NC-C1C-CHB-C4B
31	TI	202	PEB	C2C-C1C-CHB-C4B
31	TI	202	PEB	C4A-C3A-CAA-CBA
31	TI	202	PEB	NB-C1B-CHA-C4A
31	TI	202	PEB	C2B-C1B-CHA-C4A
31	UI	201	PEB	NC-C1C-CHB-C4B
31	UI	201	PEB	NB-C1B-CHA-C4A
31	UI	201	PEB	C2B-C1B-CHA-C4A
31	UI	202	PEB	C2A-C3A-CAA-CBA
31	UI	202	PEB	C4A-C3A-CAA-CBA
31	UI	202	PEB	NB-C1B-CHA-C4A
31	UI	202	PEB	C2B-C1B-CHA-C4A
31	UI	203	PEB	ND-C1D-CHC-C4C
31	UI	203	PEB	C2D-C1D-CHC-C4C
31	UI	203	PEB	NB-C1B-CHA-C4A
31	UI	203	PEB	C2B-C1B-CHA-C4A
31	UI	204	PEB	ND-C1D-CHC-C4C
31	UI	204	PEB	C4A-C3A-CAA-CBA
31	UI	204	PEB	NB-C1B-CHA-C4A
31	UI	204	PEB	C2B-C1B-CHA-C4A
31	VI	201	PEB	ND-C1D-CHC-C4C
31	VI	201	PEB	C2D-C1D-CHC-C4C
31	VI	201	PEB	NB-C1B-CHA-C4A
31	VI	201	PEB	C2B-C1B-CHA-C4A
31	VI	202	PEB	ND-C1D-CHC-C4C
31	VI	202	PEB	C2D-C1D-CHC-C4C
31	VI	202	PEB	NC-C1C-CHB-C4B
31	VI	202	PEB	C2C-C1C-CHB-C4B
31	VI	202	PEB	C4A-C3A-CAA-CBA
31	VI	202	PEB	NB-C1B-CHA-C4A
31	VI	202	PEB	C2B-C1B-CHA-C4A
31	WI	201	PEB	ND-C1D-CHC-C4C
31	WI	201	PEB	NC-C1C-CHB-C4B
31	WI	201	PEB	NB-C1B-CHA-C4A
31	WI	201	PEB	C2B-C1B-CHA-C4A
31	WI	202	PEB	C4A-C3A-CAA-CBA
31	WI	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	WI	202	PEB	C2B-C1B-CHA-C4A
31	WI	203	PEB	NC-C1C-CHB-C4B
31	WI	203	PEB	C2C-C1C-CHB-C4B
31	WI	203	PEB	NB-C1B-CHA-C4A
31	WI	203	PEB	C2B-C1B-CHA-C4A
31	WI	203	PEB	C3B-CAB-CBB-CGB
31	XI	201	PEB	ND-C1D-CHC-C4C
31	XI	201	PEB	C2D-C1D-CHC-C4C
31	XI	201	PEB	NB-C1B-CHA-C4A
31	XI	201	PEB	C2B-C1B-CHA-C4A
31	XI	202	PEB	ND-C1D-CHC-C4C
31	XI	202	PEB	C2D-C1D-CHC-C4C
31	XI	202	PEB	NC-C1C-CHB-C4B
31	XI	202	PEB	C2C-C1C-CHB-C4B
31	XI	202	PEB	C4A-C3A-CAA-CBA
31	XI	202	PEB	NB-C1B-CHA-C4A
31	XI	202	PEB	C2B-C1B-CHA-C4A
31	YI	201	PEB	ND-C1D-CHC-C4C
31	YI	201	PEB	C2D-C1D-CHC-C4C
31	YI	201	PEB	NC-C1C-CHB-C4B
31	YI	201	PEB	NB-C1B-CHA-C4A
31	YI	201	PEB	C2B-C1B-CHA-C4A
31	YI	202	PEB	C2A-C3A-CAA-CBA
31	YI	202	PEB	C4A-C3A-CAA-CBA
31	YI	202	PEB	NB-C1B-CHA-C4A
31	YI	202	PEB	C2B-C1B-CHA-C4A
31	YI	203	PEB	ND-C1D-CHC-C4C
31	YI	203	PEB	C2D-C1D-CHC-C4C
31	YI	203	PEB	NC-C1C-CHB-C4B
31	YI	203	PEB	C2C-C1C-CHB-C4B
31	YI	203	PEB	NB-C1B-CHA-C4A
31	YI	203	PEB	C2B-C1B-CHA-C4A
31	ZI	301	PEB	NC-C1C-CHB-C4B
31	ZI	301	PEB	C2C-C1C-CHB-C4B
31	ZI	301	PEB	C2D-C3D-CAD-CBD
31	ZI	301	PEB	C4A-C3A-CAA-CBA
31	ZI	301	PEB	NB-C1B-CHA-C4A
31	ZI	301	PEB	C2B-C1B-CHA-C4A
31	ZI	303	PEB	ND-C1D-CHC-C4C
31	ZI	303	PEB	C2D-C1D-CHC-C4C
31	ZI	303	PEB	NC-C1C-CHB-C4B
31	ZI	303	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	ZI	303	PEB	NB-C1B-CHA-C4A
31	ZI	303	PEB	C2B-C1B-CHA-C4A
31	ZI	304	PEB	ND-C1D-CHC-C4C
31	ZI	304	PEB	C2D-C1D-CHC-C4C
31	ZI	304	PEB	C2C-CAC-CBC-CGC
31	ZI	304	PEB	NB-C1B-CHA-C4A
31	ZI	304	PEB	C2B-C1B-CHA-C4A
31	AJ	301	PEB	NC-C1C-CHB-C4B
31	AJ	301	PEB	C2C-C1C-CHB-C4B
31	AJ	301	PEB	NB-C1B-CHA-C4A
31	AJ	301	PEB	C2B-C1B-CHA-C4A
31	AJ	302	PEB	C2C-CAC-CBC-CGC
31	AJ	302	PEB	NB-C1B-CHA-C4A
31	AJ	302	PEB	C2B-C1B-CHA-C4A
31	AJ	304	PEB	ND-C1D-CHC-C4C
31	AJ	304	PEB	C2A-C3A-CAA-CBA
31	AJ	304	PEB	NB-C1B-CHA-C4A
31	AJ	304	PEB	C2B-C1B-CHA-C4A
31	BJ	201	PEB	ND-C1D-CHC-C4C
31	BJ	201	PEB	C2D-C1D-CHC-C4C
31	BJ	201	PEB	NC-C1C-CHB-C4B
31	BJ	201	PEB	C2C-C1C-CHB-C4B
31	BJ	201	PEB	NB-C1B-CHA-C4A
31	BJ	201	PEB	C2B-C1B-CHA-C4A
31	BJ	202	PEB	NC-C1C-CHB-C4B
31	BJ	202	PEB	C2C-C1C-CHB-C4B
31	BJ	202	PEB	C2A-C3A-CAA-CBA
31	BJ	202	PEB	C4A-C3A-CAA-CBA
31	BJ	202	PEB	NB-C1B-CHA-C4A
31	BJ	202	PEB	C2B-C1B-CHA-C4A
31	BJ	203	PEB	C2D-C3D-CAD-CBD
31	BJ	203	PEB	C4D-C3D-CAD-CBD
31	BJ	203	PEB	C4A-C3A-CAA-CBA
31	BJ	203	PEB	NB-C1B-CHA-C4A
31	BJ	203	PEB	C2B-C1B-CHA-C4A
31	CJ	201	PEB	NB-C1B-CHA-C4A
31	CJ	201	PEB	C2B-C1B-CHA-C4A
31	CJ	202	PEB	NB-C1B-CHA-C4A
31	CJ	202	PEB	C2B-C1B-CHA-C4A
31	DJ	201	PEB	C2D-C3D-CAD-CBD
31	DJ	201	PEB	C4D-C3D-CAD-CBD
31	DJ	201	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	DJ	201	PEB	NB-C1B-CHA-C4A
31	DJ	201	PEB	C2B-C1B-CHA-C4A
31	DJ	202	PEB	ND-C1D-CHC-C4C
31	DJ	202	PEB	C2D-C1D-CHC-C4C
31	DJ	202	PEB	NC-C1C-CHB-C4B
31	DJ	202	PEB	C2C-C1C-CHB-C4B
31	DJ	202	PEB	C3B-CAB-CBB-CGB
31	DJ	203	PEB	NC-C1C-CHB-C4B
31	DJ	203	PEB	C2C-C1C-CHB-C4B
31	DJ	203	PEB	C4A-C3A-CAA-CBA
31	DJ	203	PEB	NB-C1B-CHA-C4A
31	DJ	203	PEB	C2B-C1B-CHA-C4A
31	EJ	201	PEB	NB-C1B-CHA-C4A
31	EJ	201	PEB	C2B-C1B-CHA-C4A
31	EJ	202	PEB	ND-C1D-CHC-C4C
31	EJ	202	PEB	C1C-C2C-CAC-CBC
31	EJ	202	PEB	C3C-C2C-CAC-CBC
31	EJ	202	PEB	C2D-C3D-CAD-CBD
31	EJ	202	PEB	C4D-C3D-CAD-CBD
31	EJ	202	PEB	NB-C1B-CHA-C4A
31	EJ	202	PEB	C2B-C1B-CHA-C4A
31	FJ	201	PEB	ND-C1D-CHC-C4C
31	FJ	201	PEB	C2D-C1D-CHC-C4C
31	FJ	201	PEB	NC-C1C-CHB-C4B
31	FJ	201	PEB	C2C-C1C-CHB-C4B
31	FJ	201	PEB	C2D-C3D-CAD-CBD
31	FJ	201	PEB	C4D-C3D-CAD-CBD
31	FJ	201	PEB	NB-C1B-CHA-C4A
31	FJ	201	PEB	C2B-C1B-CHA-C4A
31	FJ	202	PEB	NC-C1C-CHB-C4B
31	FJ	202	PEB	C2C-C1C-CHB-C4B
31	FJ	202	PEB	C2A-C3A-CAA-CBA
31	FJ	202	PEB	C4A-C3A-CAA-CBA
31	FJ	202	PEB	NB-C1B-CHA-C4A
31	FJ	202	PEB	C2B-C1B-CHA-C4A
31	FJ	203	PEB	C4A-C3A-CAA-CBA
31	FJ	203	PEB	NB-C1B-CHA-C4A
31	FJ	203	PEB	C2B-C1B-CHA-C4A
31	GJ	201	PEB	NB-C1B-CHA-C4A
31	GJ	201	PEB	C2B-C1B-CHA-C4A
31	GJ	202	PEB	NC-C1C-CHB-C4B
31	GJ	202	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	GJ	202	PEB	C1C-C2C-CAC-CBC
31	GJ	202	PEB	C3C-C2C-CAC-CBC
31	GJ	202	PEB	C2A-C3A-CAA-CBA
31	GJ	202	PEB	C4A-C3A-CAA-CBA
31	GJ	202	PEB	NB-C1B-CHA-C4A
31	GJ	202	PEB	C2B-C1B-CHA-C4A
31	HJ	201	PEB	NC-C1C-CHB-C4B
31	HJ	201	PEB	C4A-C3A-CAA-CBA
31	HJ	201	PEB	NB-C1B-CHA-C4A
31	HJ	201	PEB	C2B-C1B-CHA-C4A
31	HJ	202	PEB	ND-C1D-CHC-C4C
31	HJ	202	PEB	C2D-C1D-CHC-C4C
31	HJ	202	PEB	NC-C1C-CHB-C4B
31	HJ	202	PEB	C2C-C1C-CHB-C4B
31	HJ	202	PEB	NB-C1B-CHA-C4A
31	HJ	203	PEB	ND-C1D-CHC-C4C
31	HJ	203	PEB	NC-C1C-CHB-C4B
31	HJ	203	PEB	C2C-C1C-CHB-C4B
31	HJ	203	PEB	C4A-C3A-CAA-CBA
31	HJ	203	PEB	NB-C1B-CHA-C4A
31	HJ	203	PEB	C2B-C1B-CHA-C4A
31	IJ	201	PEB	NB-C1B-CHA-C4A
31	IJ	201	PEB	C2B-C1B-CHA-C4A
31	IJ	202	PEB	C1C-C2C-CAC-CBC
31	IJ	202	PEB	C3C-C2C-CAC-CBC
31	IJ	202	PEB	NB-C1B-CHA-C4A
31	IJ	202	PEB	C2B-C1B-CHA-C4A
31	JJ	201	PEB	C2D-C3D-CAD-CBD
31	JJ	201	PEB	C4D-C3D-CAD-CBD
31	JJ	201	PEB	C4A-C3A-CAA-CBA
31	JJ	201	PEB	NB-C1B-CHA-C4A
31	JJ	201	PEB	C2B-C1B-CHA-C4A
31	JJ	202	PEB	ND-C1D-CHC-C4C
31	JJ	202	PEB	NC-C1C-CHB-C4B
31	JJ	202	PEB	C2C-C1C-CHB-C4B
31	JJ	202	PEB	NB-C1B-CHA-C4A
31	JJ	202	PEB	C2B-C1B-CHA-C4A
31	JJ	203	PEB	NC-C1C-CHB-C4B
31	JJ	203	PEB	C2C-C1C-CHB-C4B
31	JJ	203	PEB	C4A-C3A-CAA-CBA
31	JJ	203	PEB	NB-C1B-CHA-C4A
31	JJ	203	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	KJ	201	PEB	ND-C1D-CHC-C4C
31	KJ	201	PEB	C2A-C3A-CAA-CBA
31	KJ	201	PEB	C4A-C3A-CAA-CBA
31	KJ	201	PEB	NB-C1B-CHA-C4A
31	KJ	201	PEB	C2B-C1B-CHA-C4A
31	KJ	202	PEB	ND-C1D-CHC-C4C
31	KJ	202	PEB	NC-C1C-CHB-C4B
31	KJ	202	PEB	C2C-C1C-CHB-C4B
31	KJ	202	PEB	C2C-CAC-CBC-CGC
31	KJ	202	PEB	C2D-C3D-CAD-CBD
31	KJ	202	PEB	C4D-C3D-CAD-CBD
31	KJ	202	PEB	NB-C1B-CHA-C4A
31	KJ	202	PEB	C2B-C1B-CHA-C4A
31	LJ	201	PEB	C4A-C3A-CAA-CBA
31	LJ	201	PEB	NB-C1B-CHA-C4A
31	LJ	201	PEB	C2B-C1B-CHA-C4A
31	LJ	202	PEB	ND-C1D-CHC-C4C
31	LJ	202	PEB	NB-C1B-CHA-C4A
31	LJ	202	PEB	C2B-C1B-CHA-C4A
31	LJ	203	PEB	NC-C1C-CHB-C4B
31	LJ	203	PEB	C2C-C1C-CHB-C4B
31	LJ	203	PEB	C2A-C3A-CAA-CBA
31	LJ	203	PEB	C4A-C3A-CAA-CBA
31	LJ	203	PEB	NB-C1B-CHA-C4A
31	LJ	203	PEB	C2B-C1B-CHA-C4A
31	MJ	201	PEB	C1C-C2C-CAC-CBC
31	MJ	201	PEB	C3C-C2C-CAC-CBC
31	MJ	201	PEB	NB-C1B-CHA-C4A
31	MJ	201	PEB	C2B-C1B-CHA-C4A
31	MJ	202	PEB	NC-C1C-CHB-C4B
31	MJ	202	PEB	C2C-C1C-CHB-C4B
31	MJ	202	PEB	NB-C1B-CHA-C4A
31	MJ	202	PEB	C2B-C1B-CHA-C4A
31	NJ	202	PEB	ND-C1D-CHC-C4C
31	NJ	202	PEB	C2D-C1D-CHC-C4C
31	NJ	202	PEB	C2A-C3A-CAA-CBA
31	NJ	202	PEB	C4A-C3A-CAA-CBA
31	NJ	202	PEB	NB-C1B-CHA-C4A
31	NJ	202	PEB	C2B-C1B-CHA-C4A
31	NJ	203	PEB	ND-C1D-CHC-C4C
31	NJ	203	PEB	C2D-C1D-CHC-C4C
31	NJ	203	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	NJ	203	PEB	C2C-C1C-CHB-C4B
31	NJ	203	PEB	C4A-C3A-CAA-CBA
31	NJ	203	PEB	NB-C1B-CHA-C4A
31	NJ	203	PEB	C2B-C1B-CHA-C4A
31	NJ	204	PEB	NC-C1C-CHB-C4B
31	NJ	204	PEB	C2C-C1C-CHB-C4B
31	NJ	204	PEB	C4A-C3A-CAA-CBA
31	NJ	204	PEB	NB-C1B-CHA-C4A
31	NJ	204	PEB	C2B-C1B-CHA-C4A
31	OJ	201	PEB	NB-C1B-CHA-C4A
31	OJ	201	PEB	C2B-C1B-CHA-C4A
31	OJ	202	PEB	NC-C1C-CHB-C4B
31	OJ	202	PEB	C2C-C1C-CHB-C4B
31	OJ	202	PEB	C2D-C3D-CAD-CBD
31	OJ	202	PEB	C4D-C3D-CAD-CBD
31	OJ	202	PEB	NB-C1B-CHA-C4A
31	OJ	202	PEB	C2B-C1B-CHA-C4A
31	PJ	201	PEB	C2A-C3A-CAA-CBA
31	PJ	201	PEB	C4A-C3A-CAA-CBA
31	PJ	201	PEB	NB-C1B-CHA-C4A
31	PJ	201	PEB	C2B-C1B-CHA-C4A
31	PJ	202	PEB	ND-C1D-CHC-C4C
31	PJ	202	PEB	C2D-C1D-CHC-C4C
31	PJ	202	PEB	NC-C1C-CHB-C4B
31	PJ	202	PEB	C2C-C1C-CHB-C4B
31	PJ	202	PEB	NB-C1B-CHA-C4A
31	PJ	202	PEB	C2B-C1B-CHA-C4A
31	PJ	203	PEB	ND-C1D-CHC-C4C
31	PJ	203	PEB	C2D-C1D-CHC-C4C
31	PJ	203	PEB	NC-C1C-CHB-C4B
31	PJ	203	PEB	C2C-C1C-CHB-C4B
31	PJ	203	PEB	C2A-C3A-CAA-CBA
31	PJ	203	PEB	C4A-C3A-CAA-CBA
31	PJ	203	PEB	NB-C1B-CHA-C4A
31	PJ	203	PEB	C2B-C1B-CHA-C4A
31	QJ	201	PEB	NB-C1B-CHA-C4A
31	QJ	201	PEB	C2B-C1B-CHA-C4A
31	QJ	202	PEB	ND-C1D-CHC-C4C
31	QJ	202	PEB	C2C-C1C-CHB-C4B
31	QJ	202	PEB	NB-C1B-CHA-C4A
31	QJ	202	PEB	C2B-C1B-CHA-C4A
31	RJ	201	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	RJ	201	PEB	C2D-C1D-CHC-C4C
31	RJ	201	PEB	NC-C1C-CHB-C4B
31	RJ	201	PEB	NB-C1B-CHA-C4A
31	RJ	201	PEB	C2B-C1B-CHA-C4A
31	RJ	202	PEB	NC-C1C-CHB-C4B
31	RJ	202	PEB	C2C-C1C-CHB-C4B
31	RJ	202	PEB	C4A-C3A-CAA-CBA
31	RJ	202	PEB	NB-C1B-CHA-C4A
31	RJ	202	PEB	C2B-C1B-CHA-C4A
31	RJ	203	PEB	C2A-C3A-CAA-CBA
31	RJ	203	PEB	C4A-C3A-CAA-CBA
31	RJ	203	PEB	NB-C1B-CHA-C4A
31	RJ	203	PEB	C2B-C1B-CHA-C4A
31	SJ	201	PEB	NC-C1C-CHB-C4B
31	SJ	201	PEB	C2C-C1C-CHB-C4B
31	SJ	201	PEB	NB-C1B-CHA-C4A
31	SJ	201	PEB	C2B-C1B-CHA-C4A
31	SJ	202	PEB	NB-C1B-CHA-C4A
31	SJ	202	PEB	C2B-C1B-CHA-C4A
31	TJ	201	PEB	C2D-C3D-CAD-CBD
31	TJ	201	PEB	C4D-C3D-CAD-CBD
31	TJ	201	PEB	C4A-C3A-CAA-CBA
31	TJ	201	PEB	NB-C1B-CHA-C4A
31	TJ	201	PEB	C2B-C1B-CHA-C4A
31	TJ	202	PEB	ND-C1D-CHC-C4C
31	TJ	202	PEB	C2D-C1D-CHC-C4C
31	TJ	202	PEB	C2A-C3A-CAA-CBA
31	TJ	202	PEB	C4A-C3A-CAA-CBA
31	TJ	202	PEB	NB-C1B-CHA-C4A
31	TJ	202	PEB	C2B-C1B-CHA-C4A
31	TJ	202	PEB	C3B-CAB-CBB-CGB
31	TJ	203	PEB	ND-C1D-CHC-C4C
31	TJ	203	PEB	C2D-C1D-CHC-C4C
31	TJ	203	PEB	NC-C1C-CHB-C4B
31	TJ	203	PEB	C2C-C1C-CHB-C4B
31	TJ	203	PEB	C2A-C3A-CAA-CBA
31	TJ	203	PEB	C4A-C3A-CAA-CBA
31	TJ	203	PEB	NB-C1B-CHA-C4A
31	TJ	203	PEB	C2B-C1B-CHA-C4A
31	UJ	201	PEB	ND-C1D-CHC-C4C
31	UJ	201	PEB	C2D-C1D-CHC-C4C
31	UJ	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	UJ	201	PEB	C2B-C1B-CHA-C4A
31	UJ	202	PEB	C2C-C1C-CHB-C4B
31	UJ	202	PEB	NB-C1B-CHA-C4A
31	UJ	202	PEB	C2B-C1B-CHA-C4A
31	VJ	201	PEB	ND-C1D-CHC-C4C
31	VJ	201	PEB	C2D-C1D-CHC-C4C
31	VJ	201	PEB	NC-C1C-CHB-C4B
31	VJ	201	PEB	C2C-C1C-CHB-C4B
31	VJ	201	PEB	C2D-C3D-CAD-CBD
31	VJ	201	PEB	C4D-C3D-CAD-CBD
31	VJ	201	PEB	NB-C1B-CHA-C4A
31	VJ	201	PEB	C2B-C1B-CHA-C4A
31	VJ	202	PEB	ND-C1D-CHC-C4C
31	VJ	202	PEB	C2D-C1D-CHC-C4C
31	VJ	202	PEB	NC-C1C-CHB-C4B
31	VJ	202	PEB	C2C-C1C-CHB-C4B
31	VJ	202	PEB	C4A-C3A-CAA-CBA
31	VJ	202	PEB	NB-C1B-CHA-C4A
31	VJ	202	PEB	C2B-C1B-CHA-C4A
31	VJ	203	PEB	NC-C1C-CHB-C4B
31	VJ	203	PEB	C2C-C1C-CHB-C4B
31	VJ	203	PEB	C2C-CAC-CBC-CGC
31	VJ	203	PEB	C4D-C3D-CAD-CBD
31	VJ	203	PEB	C4A-C3A-CAA-CBA
31	VJ	203	PEB	NB-C1B-CHA-C4A
31	VJ	203	PEB	C2B-C1B-CHA-C4A
31	WJ	201	PEB	NC-C1C-CHB-C4B
31	WJ	201	PEB	C2C-C1C-CHB-C4B
31	WJ	201	PEB	NB-C1B-CHA-C4A
31	WJ	201	PEB	C2B-C1B-CHA-C4A
31	WJ	202	PEB	NB-C1B-CHA-C4A
31	WJ	202	PEB	C2B-C1B-CHA-C4A
31	XJ	201	PEB	C2C-CAC-CBC-CGC
31	XJ	201	PEB	C4A-C3A-CAA-CBA
31	XJ	201	PEB	NB-C1B-CHA-C4A
31	XJ	201	PEB	C2B-C1B-CHA-C4A
31	XJ	202	PEB	ND-C1D-CHC-C4C
31	XJ	202	PEB	NB-C1B-CHA-C4A
31	XJ	202	PEB	C2B-C1B-CHA-C4A
31	XJ	203	PEB	NC-C1C-CHB-C4B
31	XJ	203	PEB	C2C-C1C-CHB-C4B
31	XJ	203	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	XJ	203	PEB	NB-C1B-CHA-C4A
31	XJ	203	PEB	C2B-C1B-CHA-C4A
31	YJ	201	PEB	C2C-CAC-CBC-CGC
31	YJ	201	PEB	NB-C1B-CHA-C4A
31	YJ	201	PEB	C2B-C1B-CHA-C4A
31	YJ	202	PEB	NB-C1B-CHA-C4A
31	YJ	202	PEB	C2B-C1B-CHA-C4A
31	AK	201	PEB	ND-C1D-CHC-C4C
31	AK	201	PEB	C2D-C1D-CHC-C4C
31	AK	201	PEB	NB-C1B-CHA-C4A
31	AK	201	PEB	C2B-C1B-CHA-C4A
31	AK	202	PEB	C2D-C3D-CAD-CBD
31	AK	202	PEB	C4D-C3D-CAD-CBD
31	AK	202	PEB	C2A-C3A-CAA-CBA
31	AK	202	PEB	C4A-C3A-CAA-CBA
31	AK	202	PEB	NB-C1B-CHA-C4A
31	AK	202	PEB	C2B-C1B-CHA-C4A
31	BK	201	PEB	ND-C1D-CHC-C4C
31	BK	201	PEB	NB-C1B-CHA-C4A
31	BK	201	PEB	C2B-C1B-CHA-C4A
31	BK	202	PEB	C2A-C3A-CAA-CBA
31	BK	202	PEB	C4A-C3A-CAA-CBA
31	BK	202	PEB	NB-C1B-CHA-C4A
31	BK	202	PEB	C2B-C1B-CHA-C4A
31	BK	203	PEB	NC-C1C-CHB-C4B
31	BK	203	PEB	C2C-C1C-CHB-C4B
31	BK	203	PEB	C2C-CAC-CBC-CGC
31	BK	203	PEB	C2A-C3A-CAA-CBA
31	BK	203	PEB	NB-C1B-CHA-C4A
31	BK	203	PEB	C2B-C1B-CHA-C4A
31	CK	201	PEB	ND-C1D-CHC-C4C
31	CK	201	PEB	NC-C1C-CHB-C4B
31	CK	201	PEB	C2C-C1C-CHB-C4B
31	CK	201	PEB	NB-C1B-CHA-C4A
31	CK	201	PEB	C2B-C1B-CHA-C4A
31	CK	202	PEB	NC-C1C-CHB-C4B
31	CK	202	PEB	C2C-C1C-CHB-C4B
31	CK	202	PEB	C1C-C2C-CAC-CBC
31	CK	202	PEB	C3C-C2C-CAC-CBC
31	CK	202	PEB	C2A-C3A-CAA-CBA
31	CK	202	PEB	C4A-C3A-CAA-CBA
31	CK	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	CK	202	PEB	C2B-C1B-CHA-C4A
31	CK	202	PEB	NB-C4B-CHB-C1C
31	DK	201	PEB	ND-C1D-CHC-C4C
31	DK	201	PEB	C2D-C1D-CHC-C4C
31	DK	201	PEB	NB-C1B-CHA-C4A
31	DK	201	PEB	C2B-C1B-CHA-C4A
31	DK	202	PEB	ND-C1D-CHC-C4C
31	DK	202	PEB	NC-C1C-CHB-C4B
31	DK	202	PEB	C2C-C1C-CHB-C4B
31	DK	202	PEB	C2C-CAC-CBC-CGC
31	DK	202	PEB	C4A-C3A-CAA-CBA
31	DK	202	PEB	NB-C1B-CHA-C4A
31	DK	202	PEB	C2B-C1B-CHA-C4A
31	DK	203	PEB	ND-C1D-CHC-C4C
31	DK	203	PEB	C2D-C1D-CHC-C4C
31	DK	203	PEB	NC-C1C-CHB-C4B
31	DK	203	PEB	C2C-C1C-CHB-C4B
31	DK	203	PEB	NB-C1B-CHA-C4A
31	DK	203	PEB	C2B-C1B-CHA-C4A
31	EK	201	PEB	NB-C1B-CHA-C4A
31	EK	201	PEB	C2B-C1B-CHA-C4A
31	EK	202	PEB	C4A-C3A-CAA-CBA
31	EK	202	PEB	NB-C1B-CHA-C4A
31	EK	202	PEB	C2B-C1B-CHA-C4A
31	FK	201	PEB	C2C-CAC-CBC-CGC
31	FK	201	PEB	NB-C1B-CHA-C4A
31	FK	201	PEB	C2B-C1B-CHA-C4A
31	FK	202	PEB	C4A-C3A-CAA-CBA
31	FK	202	PEB	NB-C1B-CHA-C4A
31	FK	202	PEB	C2B-C1B-CHA-C4A
31	FK	203	PEB	ND-C1D-CHC-C4C
31	FK	203	PEB	NC-C1C-CHB-C4B
31	FK	203	PEB	C2C-C1C-CHB-C4B
31	FK	203	PEB	C2C-CAC-CBC-CGC
31	FK	203	PEB	C2A-C3A-CAA-CBA
31	FK	203	PEB	C4A-C3A-CAA-CBA
31	FK	203	PEB	NB-C1B-CHA-C4A
31	FK	203	PEB	C2B-C1B-CHA-C4A
31	GK	201	PEB	C2A-C3A-CAA-CBA
31	GK	201	PEB	C4A-C3A-CAA-CBA
31	GK	201	PEB	NB-C1B-CHA-C4A
31	GK	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	GK	202	PEB	NC-C1C-CHB-C4B
31	GK	202	PEB	C2C-C1C-CHB-C4B
31	GK	202	PEB	C2C-CAC-CBC-CGC
31	GK	202	PEB	C2A-C3A-CAA-CBA
31	GK	202	PEB	C4A-C3A-CAA-CBA
31	GK	202	PEB	NB-C1B-CHA-C4A
31	GK	202	PEB	C2B-C1B-CHA-C4A
31	HK	201	PEB	NB-C1B-CHA-C4A
31	HK	201	PEB	C2B-C1B-CHA-C4A
31	HK	202	PEB	ND-C1D-CHC-C4C
31	HK	202	PEB	C2D-C1D-CHC-C4C
31	HK	202	PEB	C4A-C3A-CAA-CBA
31	HK	202	PEB	NB-C1B-CHA-C4A
31	HK	202	PEB	C2B-C1B-CHA-C4A
31	HK	203	PEB	NC-C1C-CHB-C4B
31	HK	203	PEB	C2C-C1C-CHB-C4B
31	HK	203	PEB	NB-C1B-CHA-C4A
31	HK	203	PEB	C2B-C1B-CHA-C4A
31	HK	203	PEB	C2B-C3B-CAB-CBB
31	IK	201	PEB	ND-C1D-CHC-C4C
31	IK	201	PEB	C2D-C1D-CHC-C4C
31	IK	201	PEB	NC-C1C-CHB-C4B
31	IK	201	PEB	C2C-C1C-CHB-C4B
31	IK	201	PEB	C2A-C3A-CAA-CBA
31	IK	201	PEB	C4A-C3A-CAA-CBA
31	IK	201	PEB	NB-C1B-CHA-C4A
31	IK	201	PEB	C2B-C1B-CHA-C4A
31	IK	202	PEB	NC-C1C-CHB-C4B
31	IK	202	PEB	C2C-C1C-CHB-C4B
31	IK	202	PEB	C2A-C3A-CAA-CBA
31	IK	202	PEB	C4A-C3A-CAA-CBA
31	IK	202	PEB	NB-C1B-CHA-C4A
31	IK	202	PEB	C2B-C1B-CHA-C4A
31	JK	201	PEB	NB-C1B-CHA-C4A
31	JK	201	PEB	C2B-C1B-CHA-C4A
31	JK	202	PEB	NC-C1C-CHB-C4B
31	JK	202	PEB	C2C-C1C-CHB-C4B
31	JK	202	PEB	C4A-C3A-CAA-CBA
31	JK	202	PEB	NB-C1B-CHA-C4A
31	JK	202	PEB	C2B-C1B-CHA-C4A
31	JK	203	PEB	ND-C1D-CHC-C4C
31	JK	203	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	JK	203	PEB	C2C-C1C-CHB-C4B
31	JK	203	PEB	C2A-C3A-CAA-CBA
31	JK	203	PEB	C4A-C3A-CAA-CBA
31	JK	203	PEB	NB-C1B-CHA-C4A
31	JK	203	PEB	C2B-C1B-CHA-C4A
31	KK	201	PEB	C1C-C2C-CAC-CBC
31	KK	201	PEB	C3C-C2C-CAC-CBC
31	KK	201	PEB	NB-C1B-CHA-C4A
31	KK	201	PEB	C2B-C1B-CHA-C4A
31	KK	202	PEB	C2C-CAC-CBC-CGC
31	KK	202	PEB	C2D-C3D-CAD-CBD
31	KK	202	PEB	C4D-C3D-CAD-CBD
31	KK	202	PEB	NB-C1B-CHA-C4A
31	KK	202	PEB	C2B-C1B-CHA-C4A
31	LK	201	PEB	NB-C1B-CHA-C4A
31	LK	201	PEB	C2B-C1B-CHA-C4A
31	LK	202	PEB	C2C-CAC-CBC-CGC
31	LK	202	PEB	C4A-C3A-CAA-CBA
31	LK	202	PEB	NB-C1B-CHA-C4A
31	LK	202	PEB	C2B-C1B-CHA-C4A
31	LK	203	PEB	NC-C1C-CHB-C4B
31	LK	203	PEB	C2C-C1C-CHB-C4B
31	LK	203	PEB	NB-C1B-CHA-C4A
31	LK	203	PEB	C2B-C1B-CHA-C4A
31	MK	201	PEB	NC-C1C-CHB-C4B
31	MK	201	PEB	C2C-C1C-CHB-C4B
31	MK	201	PEB	NB-C1B-CHA-C4A
31	MK	201	PEB	C2B-C1B-CHA-C4A
31	MK	202	PEB	ND-C1D-CHC-C4C
31	MK	202	PEB	C2D-C1D-CHC-C4C
31	MK	202	PEB	NC-C1C-CHB-C4B
31	MK	202	PEB	C2C-C1C-CHB-C4B
31	MK	202	PEB	C4A-C3A-CAA-CBA
31	MK	202	PEB	NB-C1B-CHA-C4A
31	MK	202	PEB	C2B-C1B-CHA-C4A
31	NK	201	PEB	NB-C1B-CHA-C4A
31	NK	201	PEB	C2B-C1B-CHA-C4A
31	NK	202	PEB	C4A-C3A-CAA-CBA
31	NK	202	PEB	NB-C1B-CHA-C4A
31	NK	202	PEB	C2B-C1B-CHA-C4A
31	NK	203	PEB	NC-C1C-CHB-C4B
31	NK	203	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	NK	203	PEB	NB-C1B-CHA-C4A
31	NK	203	PEB	C2B-C1B-CHA-C4A
31	OK	201	PEB	NC-C1C-CHB-C4B
31	OK	201	PEB	C2C-C1C-CHB-C4B
31	OK	201	PEB	C2B-C1B-CHA-C4A
31	OK	202	PEB	NC-C1C-CHB-C4B
31	OK	202	PEB	C2C-C1C-CHB-C4B
31	OK	202	PEB	C2A-C3A-CAA-CBA
31	OK	202	PEB	C4A-C3A-CAA-CBA
31	OK	202	PEB	NB-C1B-CHA-C4A
31	OK	202	PEB	C2B-C1B-CHA-C4A
31	PK	201	PEB	NB-C1B-CHA-C4A
31	PK	201	PEB	C2B-C1B-CHA-C4A
31	PK	202	PEB	C4A-C3A-CAA-CBA
31	PK	202	PEB	NB-C1B-CHA-C4A
31	PK	202	PEB	C2B-C1B-CHA-C4A
31	PK	203	PEB	NC-C1C-CHB-C4B
31	PK	203	PEB	C2C-C1C-CHB-C4B
31	PK	203	PEB	NB-C1B-CHA-C4A
31	PK	203	PEB	C2B-C1B-CHA-C4A
31	QK	201	PEB	NC-C1C-CHB-C4B
31	QK	201	PEB	C2C-C1C-CHB-C4B
31	QK	201	PEB	NB-C1B-CHA-C4A
31	QK	201	PEB	C2B-C1B-CHA-C4A
31	QK	202	PEB	C4A-C3A-CAA-CBA
31	QK	202	PEB	NB-C1B-CHA-C4A
31	QK	202	PEB	C2B-C1B-CHA-C4A
31	RK	201	PEB	NB-C1B-CHA-C4A
31	RK	201	PEB	C2B-C1B-CHA-C4A
31	RK	202	PEB	C4A-C3A-CAA-CBA
31	RK	202	PEB	NB-C1B-CHA-C4A
31	RK	202	PEB	C2B-C1B-CHA-C4A
31	RK	203	PEB	NC-C1C-CHB-C4B
31	RK	203	PEB	C2C-C1C-CHB-C4B
31	RK	203	PEB	C2D-C3D-CAD-CBD
31	RK	203	PEB	C4D-C3D-CAD-CBD
31	RK	203	PEB	NB-C1B-CHA-C4A
31	RK	203	PEB	C2B-C1B-CHA-C4A
31	SK	201	PEB	NC-C1C-CHB-C4B
31	SK	201	PEB	C2C-C1C-CHB-C4B
31	SK	202	PEB	C4A-C3A-CAA-CBA
31	SK	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	SK	202	PEB	C2B-C1B-CHA-C4A
31	TK	201	PEB	NB-C1B-CHA-C4A
31	TK	201	PEB	C2B-C1B-CHA-C4A
31	TK	202	PEB	C4A-C3A-CAA-CBA
31	TK	202	PEB	NB-C1B-CHA-C4A
31	TK	202	PEB	C2B-C1B-CHA-C4A
31	TK	203	PEB	NB-C1B-CHA-C4A
31	TK	203	PEB	C2B-C1B-CHA-C4A
31	UK	201	PEB	NB-C1B-CHA-C4A
31	UK	202	PEB	NC-C1C-CHB-C4B
31	UK	202	PEB	C2C-C1C-CHB-C4B
31	UK	202	PEB	C4A-C3A-CAA-CBA
31	UK	202	PEB	NB-C1B-CHA-C4A
31	UK	202	PEB	C2B-C1B-CHA-C4A
31	VK	201	PEB	ND-C1D-CHC-C4C
31	VK	201	PEB	C2D-C1D-CHC-C4C
31	VK	201	PEB	C2A-C3A-CAA-CBA
31	VK	201	PEB	C4A-C3A-CAA-CBA
31	VK	201	PEB	NB-C1B-CHA-C4A
31	VK	201	PEB	C2B-C1B-CHA-C4A
31	VK	202	PEB	C2C-CAC-CBC-CGC
31	VK	202	PEB	C2A-C3A-CAA-CBA
31	VK	202	PEB	C4A-C3A-CAA-CBA
31	VK	202	PEB	NB-C1B-CHA-C4A
31	VK	202	PEB	C2B-C1B-CHA-C4A
31	VK	203	PEB	NC-C1C-CHB-C4B
31	VK	203	PEB	C2C-C1C-CHB-C4B
31	VK	203	PEB	NB-C1B-CHA-C4A
31	VK	203	PEB	C2B-C1B-CHA-C4A
31	WK	201	PEB	NB-C1B-CHA-C4A
31	WK	201	PEB	C2B-C1B-CHA-C4A
31	WK	202	PEB	NC-C1C-CHB-C4B
31	WK	202	PEB	C2C-C1C-CHB-C4B
31	WK	202	PEB	C2A-C3A-CAA-CBA
31	WK	202	PEB	C4A-C3A-CAA-CBA
31	WK	202	PEB	NB-C1B-CHA-C4A
31	WK	202	PEB	C2B-C1B-CHA-C4A
31	XK	201	PEB	NB-C1B-CHA-C4A
31	XK	201	PEB	C2B-C1B-CHA-C4A
31	XK	202	PEB	C2C-CAC-CBC-CGC
31	XK	202	PEB	C4A-C3A-CAA-CBA
31	XK	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	XK	202	PEB	C2B-C1B-CHA-C4A
31	XK	203	PEB	NC-C1C-CHB-C4B
31	XK	203	PEB	C2C-C1C-CHB-C4B
31	XK	203	PEB	C1C-C2C-CAC-CBC
31	XK	203	PEB	C3C-C2C-CAC-CBC
31	XK	203	PEB	C2A-C3A-CAA-CBA
31	XK	203	PEB	NB-C1B-CHA-C4A
31	XK	203	PEB	C2B-C1B-CHA-C4A
31	YK	301	PEB	ND-C1D-CHC-C4C
31	YK	301	PEB	C2D-C1D-CHC-C4C
31	YK	301	PEB	NC-C1C-CHB-C4B
31	YK	301	PEB	C2C-C1C-CHB-C4B
31	YK	301	PEB	C2A-C3A-CAA-CBA
31	YK	301	PEB	NB-C1B-CHA-C4A
31	YK	301	PEB	C2B-C1B-CHA-C4A
31	YK	302	PEB	ND-C1D-CHC-C4C
31	YK	302	PEB	NC-C1C-CHB-C4B
31	YK	302	PEB	C2C-C1C-CHB-C4B
31	YK	302	PEB	C2A-C3A-CAA-CBA
31	YK	302	PEB	NB-C1B-CHA-C4A
31	YK	302	PEB	C2B-C1B-CHA-C4A
31	YK	303	PEB	ND-C1D-CHC-C4C
31	YK	303	PEB	NC-C1C-CHB-C4B
31	YK	303	PEB	C2C-C1C-CHB-C4B
31	YK	303	PEB	C2A-C3A-CAA-CBA
31	YK	303	PEB	C4A-C3A-CAA-CBA
31	YK	303	PEB	NB-C1B-CHA-C4A
31	YK	303	PEB	C2B-C1B-CHA-C4A
31	A1	201	PEB	ND-C1D-CHC-C4C
31	A1	201	PEB	C2D-C1D-CHC-C4C
31	A1	201	PEB	NB-C1B-CHA-C4A
31	A1	201	PEB	C2B-C1B-CHA-C4A
31	A1	202	PEB	C2D-C3D-CAD-CBD
31	A1	202	PEB	C4D-C3D-CAD-CBD
31	A1	202	PEB	C2A-C3A-CAA-CBA
31	A1	202	PEB	C4A-C3A-CAA-CBA
31	A1	202	PEB	NB-C1B-CHA-C4A
31	A1	202	PEB	C2B-C1B-CHA-C4A
31	B1	201	PEB	ND-C1D-CHC-C4C
31	B1	201	PEB	NB-C1B-CHA-C4A
31	B1	201	PEB	C2B-C1B-CHA-C4A
31	B1	202	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	B1	202	PEB	C4A-C3A-CAA-CBA
31	B1	202	PEB	NB-C1B-CHA-C4A
31	B1	202	PEB	C2B-C1B-CHA-C4A
31	B1	203	PEB	NC-C1C-CHB-C4B
31	B1	203	PEB	C2C-C1C-CHB-C4B
31	B1	203	PEB	C2C-CAC-CBC-CGC
31	B1	203	PEB	C2A-C3A-CAA-CBA
31	B1	203	PEB	NB-C1B-CHA-C4A
31	B1	203	PEB	C2B-C1B-CHA-C4A
31	C1	201	PEB	ND-C1D-CHC-C4C
31	C1	201	PEB	NC-C1C-CHB-C4B
31	C1	201	PEB	C2C-C1C-CHB-C4B
31	C1	201	PEB	NB-C1B-CHA-C4A
31	C1	201	PEB	C2B-C1B-CHA-C4A
31	C1	202	PEB	NC-C1C-CHB-C4B
31	C1	202	PEB	C2C-C1C-CHB-C4B
31	C1	202	PEB	C1C-C2C-CAC-CBC
31	C1	202	PEB	C3C-C2C-CAC-CBC
31	C1	202	PEB	C2A-C3A-CAA-CBA
31	C1	202	PEB	C4A-C3A-CAA-CBA
31	C1	202	PEB	NB-C1B-CHA-C4A
31	C1	202	PEB	C2B-C1B-CHA-C4A
31	C1	202	PEB	NB-C4B-CHB-C1C
31	D1	201	PEB	ND-C1D-CHC-C4C
31	D1	201	PEB	C2D-C1D-CHC-C4C
31	D1	201	PEB	NB-C1B-CHA-C4A
31	D1	201	PEB	C2B-C1B-CHA-C4A
31	D1	202	PEB	ND-C1D-CHC-C4C
31	D1	202	PEB	NC-C1C-CHB-C4B
31	D1	202	PEB	C2C-C1C-CHB-C4B
31	D1	202	PEB	C2C-CAC-CBC-CGC
31	D1	202	PEB	C4A-C3A-CAA-CBA
31	D1	202	PEB	NB-C1B-CHA-C4A
31	D1	202	PEB	C2B-C1B-CHA-C4A
31	D1	203	PEB	ND-C1D-CHC-C4C
31	D1	203	PEB	C2D-C1D-CHC-C4C
31	D1	203	PEB	NC-C1C-CHB-C4B
31	D1	203	PEB	C2C-C1C-CHB-C4B
31	D1	203	PEB	NB-C1B-CHA-C4A
31	D1	203	PEB	C2B-C1B-CHA-C4A
31	E1	201	PEB	NB-C1B-CHA-C4A
31	E1	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	E1	202	PEB	C4A-C3A-CAA-CBA
31	E1	202	PEB	NB-C1B-CHA-C4A
31	E1	202	PEB	C2B-C1B-CHA-C4A
31	F1	201	PEB	C2C-CAC-CBC-CGC
31	F1	201	PEB	NB-C1B-CHA-C4A
31	F1	201	PEB	C2B-C1B-CHA-C4A
31	F1	202	PEB	C4A-C3A-CAA-CBA
31	F1	202	PEB	NB-C1B-CHA-C4A
31	F1	202	PEB	C2B-C1B-CHA-C4A
31	F1	203	PEB	ND-C1D-CHC-C4C
31	F1	203	PEB	NC-C1C-CHB-C4B
31	F1	203	PEB	C2C-C1C-CHB-C4B
31	F1	203	PEB	C2C-CAC-CBC-CGC
31	F1	203	PEB	C2A-C3A-CAA-CBA
31	F1	203	PEB	C4A-C3A-CAA-CBA
31	F1	203	PEB	NB-C1B-CHA-C4A
31	F1	203	PEB	C2B-C1B-CHA-C4A
31	G1	201	PEB	C2A-C3A-CAA-CBA
31	G1	201	PEB	C4A-C3A-CAA-CBA
31	G1	201	PEB	NB-C1B-CHA-C4A
31	G1	201	PEB	C2B-C1B-CHA-C4A
31	G1	202	PEB	NC-C1C-CHB-C4B
31	G1	202	PEB	C2C-C1C-CHB-C4B
31	G1	202	PEB	C2C-CAC-CBC-CGC
31	G1	202	PEB	C2A-C3A-CAA-CBA
31	G1	202	PEB	C4A-C3A-CAA-CBA
31	G1	202	PEB	NB-C1B-CHA-C4A
31	G1	202	PEB	C2B-C1B-CHA-C4A
31	H1	201	PEB	NB-C1B-CHA-C4A
31	H1	201	PEB	C2B-C1B-CHA-C4A
31	H1	202	PEB	ND-C1D-CHC-C4C
31	H1	202	PEB	C2D-C1D-CHC-C4C
31	H1	202	PEB	C4A-C3A-CAA-CBA
31	H1	202	PEB	NB-C1B-CHA-C4A
31	H1	202	PEB	C2B-C1B-CHA-C4A
31	H1	203	PEB	NC-C1C-CHB-C4B
31	H1	203	PEB	C2C-C1C-CHB-C4B
31	H1	203	PEB	NB-C1B-CHA-C4A
31	H1	203	PEB	C2B-C1B-CHA-C4A
31	H1	203	PEB	C2B-C3B-CAB-CBB
31	I1	201	PEB	ND-C1D-CHC-C4C
31	I1	201	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	I1	201	PEB	NC-C1C-CHB-C4B
31	I1	201	PEB	C2C-C1C-CHB-C4B
31	I1	201	PEB	C2A-C3A-CAA-CBA
31	I1	201	PEB	C4A-C3A-CAA-CBA
31	I1	201	PEB	NB-C1B-CHA-C4A
31	I1	201	PEB	C2B-C1B-CHA-C4A
31	I1	202	PEB	NC-C1C-CHB-C4B
31	I1	202	PEB	C2C-C1C-CHB-C4B
31	I1	202	PEB	C2A-C3A-CAA-CBA
31	I1	202	PEB	C4A-C3A-CAA-CBA
31	I1	202	PEB	NB-C1B-CHA-C4A
31	I1	202	PEB	C2B-C1B-CHA-C4A
31	J1	201	PEB	NB-C1B-CHA-C4A
31	J1	201	PEB	C2B-C1B-CHA-C4A
31	J1	202	PEB	NC-C1C-CHB-C4B
31	J1	202	PEB	C2C-C1C-CHB-C4B
31	J1	202	PEB	C4A-C3A-CAA-CBA
31	J1	202	PEB	NB-C1B-CHA-C4A
31	J1	202	PEB	C2B-C1B-CHA-C4A
31	J1	203	PEB	ND-C1D-CHC-C4C
31	J1	203	PEB	NC-C1C-CHB-C4B
31	J1	203	PEB	C2C-C1C-CHB-C4B
31	J1	203	PEB	C2A-C3A-CAA-CBA
31	J1	203	PEB	C4A-C3A-CAA-CBA
31	J1	203	PEB	NB-C1B-CHA-C4A
31	J1	203	PEB	C2B-C1B-CHA-C4A
31	K1	201	PEB	C1C-C2C-CAC-CBC
31	K1	201	PEB	C3C-C2C-CAC-CBC
31	K1	201	PEB	NB-C1B-CHA-C4A
31	K1	201	PEB	C2B-C1B-CHA-C4A
31	K1	202	PEB	C2C-CAC-CBC-CGC
31	K1	202	PEB	C2D-C3D-CAD-CBD
31	K1	202	PEB	C4D-C3D-CAD-CBD
31	K1	202	PEB	NB-C1B-CHA-C4A
31	K1	202	PEB	C2B-C1B-CHA-C4A
31	L1	201	PEB	NB-C1B-CHA-C4A
31	L1	201	PEB	C2B-C1B-CHA-C4A
31	L1	202	PEB	C2C-CAC-CBC-CGC
31	L1	202	PEB	C4A-C3A-CAA-CBA
31	L1	202	PEB	NB-C1B-CHA-C4A
31	L1	202	PEB	C2B-C1B-CHA-C4A
31	L1	203	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	L1	203	PEB	C2C-C1C-CHB-C4B
31	L1	203	PEB	NB-C1B-CHA-C4A
31	L1	203	PEB	C2B-C1B-CHA-C4A
31	M1	201	PEB	NC-C1C-CHB-C4B
31	M1	201	PEB	C2C-C1C-CHB-C4B
31	M1	201	PEB	NB-C1B-CHA-C4A
31	M1	201	PEB	C2B-C1B-CHA-C4A
31	M1	202	PEB	ND-C1D-CHC-C4C
31	M1	202	PEB	C2D-C1D-CHC-C4C
31	M1	202	PEB	NC-C1C-CHB-C4B
31	M1	202	PEB	C2C-C1C-CHB-C4B
31	M1	202	PEB	C4A-C3A-CAA-CBA
31	M1	202	PEB	NB-C1B-CHA-C4A
31	M1	202	PEB	C2B-C1B-CHA-C4A
31	N1	201	PEB	NB-C1B-CHA-C4A
31	N1	201	PEB	C2B-C1B-CHA-C4A
31	N1	202	PEB	C4A-C3A-CAA-CBA
31	N1	202	PEB	NB-C1B-CHA-C4A
31	N1	202	PEB	C2B-C1B-CHA-C4A
31	N1	203	PEB	NC-C1C-CHB-C4B
31	N1	203	PEB	C2C-C1C-CHB-C4B
31	N1	203	PEB	NB-C1B-CHA-C4A
31	N1	203	PEB	C2B-C1B-CHA-C4A
31	O1	201	PEB	NC-C1C-CHB-C4B
31	O1	201	PEB	C2C-C1C-CHB-C4B
31	O1	201	PEB	C2B-C1B-CHA-C4A
31	O1	202	PEB	NC-C1C-CHB-C4B
31	O1	202	PEB	C2C-C1C-CHB-C4B
31	O1	202	PEB	C2A-C3A-CAA-CBA
31	O1	202	PEB	C4A-C3A-CAA-CBA
31	O1	202	PEB	NB-C1B-CHA-C4A
31	O1	202	PEB	C2B-C1B-CHA-C4A
31	P1	201	PEB	NB-C1B-CHA-C4A
31	P1	201	PEB	C2B-C1B-CHA-C4A
31	P1	202	PEB	C4A-C3A-CAA-CBA
31	P1	202	PEB	NB-C1B-CHA-C4A
31	P1	202	PEB	C2B-C1B-CHA-C4A
31	P1	203	PEB	NC-C1C-CHB-C4B
31	P1	203	PEB	C2C-C1C-CHB-C4B
31	P1	203	PEB	NB-C1B-CHA-C4A
31	P1	203	PEB	C2B-C1B-CHA-C4A
31	Q1	201	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	Q1	201	PEB	C2C-C1C-CHB-C4B
31	Q1	201	PEB	NB-C1B-CHA-C4A
31	Q1	201	PEB	C2B-C1B-CHA-C4A
31	Q1	202	PEB	C4A-C3A-CAA-CBA
31	Q1	202	PEB	NB-C1B-CHA-C4A
31	Q1	202	PEB	C2B-C1B-CHA-C4A
31	R1	201	PEB	NB-C1B-CHA-C4A
31	R1	201	PEB	C2B-C1B-CHA-C4A
31	R1	202	PEB	C4A-C3A-CAA-CBA
31	R1	202	PEB	NB-C1B-CHA-C4A
31	R1	202	PEB	C2B-C1B-CHA-C4A
31	R1	203	PEB	NC-C1C-CHB-C4B
31	R1	203	PEB	C2C-C1C-CHB-C4B
31	R1	203	PEB	C2D-C3D-CAD-CBD
31	R1	203	PEB	C4D-C3D-CAD-CBD
31	R1	203	PEB	NB-C1B-CHA-C4A
31	R1	203	PEB	C2B-C1B-CHA-C4A
31	S1	201	PEB	NC-C1C-CHB-C4B
31	S1	201	PEB	C2C-C1C-CHB-C4B
31	S1	202	PEB	C4A-C3A-CAA-CBA
31	S1	202	PEB	NB-C1B-CHA-C4A
31	S1	202	PEB	C2B-C1B-CHA-C4A
31	T1	201	PEB	NB-C1B-CHA-C4A
31	T1	201	PEB	C2B-C1B-CHA-C4A
31	T1	202	PEB	C4A-C3A-CAA-CBA
31	T1	202	PEB	NB-C1B-CHA-C4A
31	T1	202	PEB	C2B-C1B-CHA-C4A
31	T1	203	PEB	NB-C1B-CHA-C4A
31	T1	203	PEB	C2B-C1B-CHA-C4A
31	U1	201	PEB	NB-C1B-CHA-C4A
31	U1	202	PEB	NC-C1C-CHB-C4B
31	U1	202	PEB	C2C-C1C-CHB-C4B
31	U1	202	PEB	C4A-C3A-CAA-CBA
31	U1	202	PEB	NB-C1B-CHA-C4A
31	U1	202	PEB	C2B-C1B-CHA-C4A
31	V1	201	PEB	ND-C1D-CHC-C4C
31	V1	201	PEB	C2D-C1D-CHC-C4C
31	V1	201	PEB	C2A-C3A-CAA-CBA
31	V1	201	PEB	C4A-C3A-CAA-CBA
31	V1	201	PEB	NB-C1B-CHA-C4A
31	V1	201	PEB	C2B-C1B-CHA-C4A
31	V1	202	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	V1	202	PEB	C2A-C3A-CAA-CBA
31	V1	202	PEB	C4A-C3A-CAA-CBA
31	V1	202	PEB	NB-C1B-CHA-C4A
31	V1	202	PEB	C2B-C1B-CHA-C4A
31	V1	203	PEB	NC-C1C-CHB-C4B
31	V1	203	PEB	C2C-C1C-CHB-C4B
31	V1	203	PEB	NB-C1B-CHA-C4A
31	V1	203	PEB	C2B-C1B-CHA-C4A
31	W1	201	PEB	NB-C1B-CHA-C4A
31	W1	201	PEB	C2B-C1B-CHA-C4A
31	W1	202	PEB	NC-C1C-CHB-C4B
31	W1	202	PEB	C2C-C1C-CHB-C4B
31	W1	202	PEB	C2A-C3A-CAA-CBA
31	W1	202	PEB	C4A-C3A-CAA-CBA
31	W1	202	PEB	NB-C1B-CHA-C4A
31	W1	202	PEB	C2B-C1B-CHA-C4A
31	X1	201	PEB	NB-C1B-CHA-C4A
31	X1	201	PEB	C2B-C1B-CHA-C4A
31	X1	202	PEB	C2C-CAC-CBC-CGC
31	X1	202	PEB	C4A-C3A-CAA-CBA
31	X1	202	PEB	NB-C1B-CHA-C4A
31	X1	202	PEB	C2B-C1B-CHA-C4A
31	X1	203	PEB	NC-C1C-CHB-C4B
31	X1	203	PEB	C2C-C1C-CHB-C4B
31	X1	203	PEB	C1C-C2C-CAC-CBC
31	X1	203	PEB	C3C-C2C-CAC-CBC
31	X1	203	PEB	C2A-C3A-CAA-CBA
31	X1	203	PEB	NB-C1B-CHA-C4A
31	X1	203	PEB	C2B-C1B-CHA-C4A
31	Y1	301	PEB	ND-C1D-CHC-C4C
31	Y1	301	PEB	C2D-C1D-CHC-C4C
31	Y1	301	PEB	NC-C1C-CHB-C4B
31	Y1	301	PEB	C2C-C1C-CHB-C4B
31	Y1	301	PEB	C2A-C3A-CAA-CBA
31	Y1	301	PEB	NB-C1B-CHA-C4A
31	Y1	301	PEB	C2B-C1B-CHA-C4A
31	Y1	302	PEB	ND-C1D-CHC-C4C
31	Y1	302	PEB	NC-C1C-CHB-C4B
31	Y1	302	PEB	C2C-C1C-CHB-C4B
31	Y1	302	PEB	C2A-C3A-CAA-CBA
31	Y1	302	PEB	NB-C1B-CHA-C4A
31	Y1	302	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	Y1	303	PEB	ND-C1D-CHC-C4C
31	Y1	303	PEB	NC-C1C-CHB-C4B
31	Y1	303	PEB	C2C-C1C-CHB-C4B
31	Y1	303	PEB	C2A-C3A-CAA-CBA
31	Y1	303	PEB	C4A-C3A-CAA-CBA
31	Y1	303	PEB	NB-C1B-CHA-C4A
31	Y1	303	PEB	C2B-C1B-CHA-C4A
31	e1	301	PEB	ND-C1D-CHC-C4C
31	e1	301	PEB	C2D-C1D-CHC-C4C
31	e1	301	PEB	NB-C1B-CHA-C4A
31	e1	301	PEB	C2B-C1B-CHA-C4A
31	L2	1002	PEB	C2A-C3A-CAA-CBA
31	L2	1002	PEB	C4A-C3A-CAA-CBA
31	L2	1002	PEB	NB-C1B-CHA-C4A
31	L2	1002	PEB	C2B-C1B-CHA-C4A
31	L2	1002	PEB	C3B-CAB-CBB-CGB
31	N2	1002	PEB	C2A-C3A-CAA-CBA
31	N2	1002	PEB	C4A-C3A-CAA-CBA
31	N2	1002	PEB	NB-C1B-CHA-C4A
31	N2	1002	PEB	C2B-C1B-CHA-C4A
31	O2	201	PEB	ND-C1D-CHC-C4C
31	O2	201	PEB	C2D-C1D-CHC-C4C
31	O2	201	PEB	C2A-C3A-CAA-CBA
31	O2	201	PEB	C4A-C3A-CAA-CBA
31	O2	201	PEB	NB-C1B-CHA-C4A
31	O2	201	PEB	C2B-C1B-CHA-C4A
31	O2	202	PEB	NB-C1B-CHA-C4A
31	O2	202	PEB	C2B-C1B-CHA-C4A
31	O2	203	PEB	C2C-CAC-CBC-CGC
31	O2	203	PEB	C2A-C3A-CAA-CBA
31	O2	203	PEB	NB-C1B-CHA-C4A
31	O2	203	PEB	C2B-C1B-CHA-C4A
31	P2	201	PEB	NB-C1B-CHA-C4A
31	P2	201	PEB	C2B-C1B-CHA-C4A
31	P2	202	PEB	NB-C1B-CHA-C4A
31	P2	202	PEB	C2B-C1B-CHA-C4A
31	Q2	201	PEB	NB-C1B-CHA-C4A
31	Q2	201	PEB	C2B-C1B-CHA-C4A
31	Q2	202	PEB	NC-C1C-CHB-C4B
31	Q2	202	PEB	C2C-C1C-CHB-C4B
31	Q2	202	PEB	C2A-C3A-CAA-CBA
31	Q2	202	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	Q2	203	PEB	C2C-CAC-CBC-CGC
31	Q2	203	PEB	NB-C1B-CHA-C4A
31	Q2	203	PEB	C2B-C1B-CHA-C4A
31	Q2	203	PEB	C3B-CAB-CBB-CGB
31	R2	201	PEB	C2A-C3A-CAA-CBA
31	R2	201	PEB	C4A-C3A-CAA-CBA
31	R2	201	PEB	NB-C1B-CHA-C4A
31	R2	201	PEB	C2B-C1B-CHA-C4A
31	R2	202	PEB	ND-C1D-CHC-C4C
31	R2	202	PEB	C2D-C1D-CHC-C4C
31	R2	202	PEB	NC-C1C-CHB-C4B
31	R2	202	PEB	C2C-C1C-CHB-C4B
31	R2	202	PEB	NB-C1B-CHA-C4A
31	R2	202	PEB	C2B-C1B-CHA-C4A
31	S2	201	PEB	NB-C1B-CHA-C4A
31	S2	201	PEB	C2B-C1B-CHA-C4A
31	S2	202	PEB	NB-C1B-CHA-C4A
31	S2	202	PEB	C2B-C1B-CHA-C4A
31	T2	201	PEB	ND-C1D-CHC-C4C
31	T2	201	PEB	C2D-C1D-CHC-C4C
31	T2	201	PEB	NB-C1B-CHA-C4A
31	T2	201	PEB	C2B-C1B-CHA-C4A
31	T2	202	PEB	ND-C1D-CHC-C4C
31	T2	202	PEB	C2D-C1D-CHC-C4C
31	T2	202	PEB	NC-C1C-CHB-C4B
31	T2	202	PEB	C2C-C1C-CHB-C4B
31	T2	202	PEB	C4D-C3D-CAD-CBD
31	T2	202	PEB	NB-C1B-CHA-C4A
31	T2	202	PEB	C2B-C1B-CHA-C4A
31	U2	201	PEB	C2A-C3A-CAA-CBA
31	U2	201	PEB	C4A-C3A-CAA-CBA
31	U2	201	PEB	NB-C1B-CHA-C4A
31	U2	201	PEB	C2B-C1B-CHA-C4A
31	U2	202	PEB	C4A-C3A-CAA-CBA
31	U2	202	PEB	NB-C1B-CHA-C4A
31	U2	202	PEB	C2B-C1B-CHA-C4A
31	U2	203	PEB	C2A-C3A-CAA-CBA
31	U2	203	PEB	NB-C1B-CHA-C4A
31	U2	203	PEB	C2B-C1B-CHA-C4A
31	A2	301	PEB	NB-C1B-CHA-C4A
31	A2	301	PEB	C2B-C1B-CHA-C4A
31	A2	302	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	A2	302	PEB	NB-C1B-CHA-C4A
31	A2	302	PEB	C2B-C1B-CHA-C4A
31	A2	305	PEB	ND-C1D-CHC-C4C
31	A2	305	PEB	C2D-C1D-CHC-C4C
31	A2	305	PEB	NC-C1C-CHB-C4B
31	A2	305	PEB	C2C-C1C-CHB-C4B
31	A2	305	PEB	C2A-C3A-CAA-CBA
31	A2	305	PEB	C4A-C3A-CAA-CBA
31	A2	305	PEB	NB-C1B-CHA-C4A
31	A2	305	PEB	C2B-C1B-CHA-C4A
31	D2	1002	PEB	ND-C1D-CHC-C4C
31	D2	1002	PEB	C2D-C1D-CHC-C4C
31	D2	1002	PEB	C2A-C3A-CAA-CBA
31	D2	1002	PEB	C4A-C3A-CAA-CBA
31	D2	1002	PEB	NB-C1B-CHA-C4A
31	D2	1002	PEB	C2B-C1B-CHA-C4A
31	F2	1002	PEB	C4A-C3A-CAA-CBA
31	F2	1002	PEB	NB-C1B-CHA-C4A
31	F2	1002	PEB	C2B-C1B-CHA-C4A
31	H2	1002	PEB	C4A-C3A-CAA-CBA
31	H2	1002	PEB	NB-C1B-CHA-C4A
31	H2	1002	PEB	C2B-C1B-CHA-C4A
31	J2	1002	PEB	NB-C1B-CHA-C4A
31	J2	1002	PEB	C2B-C1B-CHA-C4A
31	V2	201	PEB	NB-C1B-CHA-C4A
31	V2	202	PEB	ND-C1D-CHC-C4C
31	V2	202	PEB	C2D-C1D-CHC-C4C
31	V2	202	PEB	NC-C1C-CHB-C4B
31	V2	202	PEB	C2C-C1C-CHB-C4B
31	V2	202	PEB	NB-C1B-CHA-C4A
31	V2	202	PEB	C2B-C1B-CHA-C4A
31	V2	203	PEB	NB-C1B-CHA-C4A
31	V2	203	PEB	C2B-C1B-CHA-C4A
31	W2	201	PEB	ND-C1D-CHC-C4C
31	W2	201	PEB	C2D-C1D-CHC-C4C
31	W2	201	PEB	C4A-C3A-CAA-CBA
31	W2	201	PEB	NB-C1B-CHA-C4A
31	W2	201	PEB	C2B-C1B-CHA-C4A
31	W2	202	PEB	NB-C1B-CHA-C4A
31	W2	202	PEB	C2B-C1B-CHA-C4A
31	W2	203	PEB	C2A-C3A-CAA-CBA
31	W2	203	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	W2	203	PEB	C2B-C1B-CHA-C4A
31	Y2	201	PEB	C2A-C3A-CAA-CBA
31	Y2	201	PEB	C4A-C3A-CAA-CBA
31	Y2	201	PEB	NB-C1B-CHA-C4A
31	Y2	201	PEB	C2B-C1B-CHA-C4A
31	Y2	202	PEB	NB-C1B-CHA-C4A
31	Y2	202	PEB	C2B-C1B-CHA-C4A
31	Z2	201	PEB	C2A-C3A-CAA-CBA
31	Z2	201	PEB	C4A-C3A-CAA-CBA
31	Z2	201	PEB	NB-C1B-CHA-C4A
31	Z2	201	PEB	C2B-C1B-CHA-C4A
31	Z2	202	PEB	ND-C1D-CHC-C4C
31	Z2	202	PEB	C2D-C1D-CHC-C4C
31	Z2	202	PEB	C2A-C3A-CAA-CBA
31	Z2	202	PEB	C4A-C3A-CAA-CBA
31	Z2	202	PEB	NB-C1B-CHA-C4A
31	Z2	202	PEB	C2B-C1B-CHA-C4A
31	Z2	203	PEB	NB-C1B-CHA-C4A
31	Z2	203	PEB	C2B-C1B-CHA-C4A
31	f2	201	PEB	ND-C1D-CHC-C4C
31	f2	201	PEB	C2D-C1D-CHC-C4C
31	f2	201	PEB	NB-C1B-CHA-C4A
31	f2	201	PEB	C2B-C1B-CHA-C4A
31	f2	202	PEB	C2C-CAC-CBC-CGC
31	f2	202	PEB	C2A-C3A-CAA-CBA
31	f2	202	PEB	NB-C1B-CHA-C4A
31	f2	202	PEB	C2B-C1B-CHA-C4A
31	f2	203	PEB	NC-C1C-CHB-C4B
31	f2	203	PEB	C2C-C1C-CHB-C4B
31	f2	203	PEB	C2C-CAC-CBC-CGC
31	f2	203	PEB	C2A-C3A-CAA-CBA
31	f2	203	PEB	NB-C1B-CHA-C4A
31	f2	203	PEB	C2B-C1B-CHA-C4A
31	g2	201	PEB	NC-C1C-CHB-C4B
31	g2	201	PEB	NB-C1B-CHA-C4A
31	g2	201	PEB	C2B-C1B-CHA-C4A
31	g2	202	PEB	NC-C1C-CHB-C4B
31	g2	202	PEB	C2C-C1C-CHB-C4B
31	g2	202	PEB	NB-C1B-CHA-C4A
31	g2	202	PEB	C2B-C1B-CHA-C4A
31	h2	201	PEB	C2C-CAC-CBC-CGC
31	h2	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	h2	201	PEB	C2B-C1B-CHA-C4A
31	h2	202	PEB	ND-C1D-CHC-C4C
31	h2	202	PEB	C2A-C3A-CAA-CBA
31	h2	202	PEB	C4A-C3A-CAA-CBA
31	h2	202	PEB	NB-C1B-CHA-C4A
31	h2	202	PEB	C2B-C1B-CHA-C4A
31	h2	202	PEB	C3B-CAB-CBB-CGB
31	h2	203	PEB	NC-C1C-CHB-C4B
31	h2	203	PEB	NA-C4A-CHA-C1B
31	h2	203	PEB	C3A-C4A-CHA-C1B
31	h2	203	PEB	NB-C1B-CHA-C4A
31	h2	203	PEB	C2B-C1B-CHA-C4A
31	i2	201	PEB	NC-C1C-CHB-C4B
31	i2	201	PEB	NB-C1B-CHA-C4A
31	i2	201	PEB	C2B-C1B-CHA-C4A
31	i2	202	PEB	ND-C1D-CHC-C4C
31	i2	202	PEB	C2D-C1D-CHC-C4C
31	i2	202	PEB	NC-C1C-CHB-C4B
31	i2	202	PEB	C2C-C1C-CHB-C4B
31	i2	202	PEB	NB-C1B-CHA-C4A
31	i2	202	PEB	C2B-C1B-CHA-C4A
31	j2	201	PEB	ND-C1D-CHC-C4C
31	j2	201	PEB	C2D-C1D-CHC-C4C
31	j2	201	PEB	NB-C1B-CHA-C4A
31	j2	201	PEB	C2B-C1B-CHA-C4A
31	j2	202	PEB	NB-C1B-CHA-C4A
31	j2	202	PEB	C2B-C1B-CHA-C4A
31	j2	203	PEB	C2A-C3A-CAA-CBA
31	j2	203	PEB	NB-C1B-CHA-C4A
31	j2	203	PEB	C2B-C1B-CHA-C4A
31	k2	201	PEB	ND-C1D-CHC-C4C
31	k2	201	PEB	C4A-C3A-CAA-CBA
31	k2	201	PEB	NB-C1B-CHA-C4A
31	k2	201	PEB	C2B-C1B-CHA-C4A
31	k2	202	PEB	NC-C1C-CHB-C4B
31	k2	202	PEB	C2C-C1C-CHB-C4B
31	k2	202	PEB	C2C-CAC-CBC-CGC
31	k2	202	PEB	NB-C1B-CHA-C4A
31	k2	202	PEB	C2B-C1B-CHA-C4A
31	l2	201	PEB	NB-C1B-CHA-C4A
31	l2	201	PEB	C2B-C1B-CHA-C4A
31	l2	202	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	l2	202	PEB	C2D-C1D-CHC-C4C
31	l2	202	PEB	C2D-C3D-CAD-CBD
31	l2	202	PEB	C4D-C3D-CAD-CBD
31	l2	202	PEB	NB-C1B-CHA-C4A
31	l2	202	PEB	C2B-C1B-CHA-C4A
31	l2	203	PEB	NC-C1C-CHB-C4B
31	l2	203	PEB	C2C-C1C-CHB-C4B
31	l2	203	PEB	C2A-C3A-CAA-CBA
31	l2	203	PEB	NB-C1B-CHA-C4A
31	l2	203	PEB	C2B-C1B-CHA-C4A
31	m2	201	PEB	NC-C1C-CHB-C4B
31	m2	201	PEB	C2C-C1C-CHB-C4B
31	m2	201	PEB	NB-C1B-CHA-C4A
31	m2	201	PEB	C2B-C1B-CHA-C4A
31	m2	202	PEB	NC-C1C-CHB-C4B
31	m2	202	PEB	C2C-C1C-CHB-C4B
31	m2	202	PEB	NB-C1B-CHA-C4A
31	m2	202	PEB	C2B-C1B-CHA-C4A
31	m2	202	PEB	C3B-CAB-CBB-CGB
31	a2	201	PEB	NB-C1B-CHA-C4A
31	a2	201	PEB	C2B-C1B-CHA-C4A
31	a2	202	PEB	ND-C1D-CHC-C4C
31	a2	202	PEB	C2D-C1D-CHC-C4C
31	a2	202	PEB	C2C-CAC-CBC-CGC
31	a2	202	PEB	NB-C1B-CHA-C4A
31	a2	202	PEB	C2B-C1B-CHA-C4A
31	b2	201	PEB	ND-C1D-CHC-C4C
31	b2	201	PEB	C2D-C1D-CHC-C4C
31	b2	201	PEB	NB-C1B-CHA-C4A
31	b2	201	PEB	C2B-C1B-CHA-C4A
31	b2	202	PEB	NB-C1B-CHA-C4A
31	b2	202	PEB	C2B-C1B-CHA-C4A
31	b2	203	PEB	C4A-C3A-CAA-CBA
31	b2	203	PEB	NB-C1B-CHA-C4A
31	b2	203	PEB	C2B-C1B-CHA-C4A
31	c2	201	PEB	C2A-C3A-CAA-CBA
31	c2	201	PEB	C4A-C3A-CAA-CBA
31	c2	201	PEB	NB-C1B-CHA-C4A
31	c2	201	PEB	C2B-C1B-CHA-C4A
31	c2	202	PEB	NC-C1C-CHB-C4B
31	c2	202	PEB	C2C-C1C-CHB-C4B
31	c2	202	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	c2	202	PEB	NB-C1B-CHA-C4A
31	d2	201	PEB	NC-C1C-CHB-C4B
31	d2	201	PEB	C2C-C1C-CHB-C4B
31	d2	201	PEB	NB-C1B-CHA-C4A
31	d2	201	PEB	C2B-C1B-CHA-C4A
31	d2	202	PEB	ND-C1D-CHC-C4C
31	d2	202	PEB	C4A-C3A-CAA-CBA
31	d2	202	PEB	NB-C1B-CHA-C4A
31	d2	202	PEB	C2B-C1B-CHA-C4A
31	d2	203	PEB	C2C-CAC-CBC-CGC
31	d2	203	PEB	C2A-C3A-CAA-CBA
31	d2	203	PEB	NB-C1B-CHA-C4A
31	d2	203	PEB	C2B-C1B-CHA-C4A
31	e2	201	PEB	ND-C1D-CHC-C4C
31	e2	201	PEB	NB-C1B-CHA-C4A
31	e2	201	PEB	C2B-C1B-CHA-C4A
31	e2	202	PEB	ND-C1D-CHC-C4C
31	e2	202	PEB	C2D-C1D-CHC-C4C
31	e2	202	PEB	NC-C1C-CHB-C4B
31	e2	202	PEB	C2C-C1C-CHB-C4B
31	e2	202	PEB	NB-C1B-CHA-C4A
31	e2	202	PEB	C2B-C1B-CHA-C4A
31	A4	301	PEB	C2A-C3A-CAA-CBA
31	A4	301	PEB	C4A-C3A-CAA-CBA
31	A4	301	PEB	NB-C1B-CHA-C4A
31	A4	301	PEB	C2B-C1B-CHA-C4A
31	A4	301	PEB	C3B-CAB-CBB-CGB
31	A4	302	PEB	NB-C1B-CHA-C4A
31	A4	302	PEB	C2B-C1B-CHA-C4A
31	B4	301	PEB	C1C-C2C-CAC-CBC
31	B4	301	PEB	C3C-C2C-CAC-CBC
31	B4	301	PEB	NB-C1B-CHA-C4A
31	B4	301	PEB	C2B-C1B-CHA-C4A
31	C4	201	PEB	C2A-C3A-CAA-CBA
31	C4	201	PEB	C4A-C3A-CAA-CBA
31	C4	201	PEB	NB-C1B-CHA-C4A
31	C4	201	PEB	C2B-C1B-CHA-C4A
31	C4	202	PEB	ND-C1D-CHC-C4C
31	C4	202	PEB	C4A-C3A-CAA-CBA
31	C4	202	PEB	NB-C1B-CHA-C4A
31	C4	202	PEB	C2B-C1B-CHA-C4A
31	C4	203	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	C4	203	PEB	C4A-C3A-CAA-CBA
31	C4	203	PEB	NB-C1B-CHA-C4A
31	C4	203	PEB	C2B-C1B-CHA-C4A
31	D4	201	PEB	NC-C1C-CHB-C4B
31	D4	201	PEB	C2C-C1C-CHB-C4B
31	D4	201	PEB	NB-C1B-CHA-C4A
31	D4	201	PEB	C2B-C1B-CHA-C4A
31	D4	202	PEB	ND-C1D-CHC-C4C
31	D4	202	PEB	C2D-C1D-CHC-C4C
31	D4	202	PEB	NC-C1C-CHB-C4B
31	D4	202	PEB	C2C-C1C-CHB-C4B
31	D4	202	PEB	NB-C1B-CHA-C4A
31	D4	202	PEB	C2B-C1B-CHA-C4A
31	E4	201	PEB	C2A-C3A-CAA-CBA
31	E4	201	PEB	C4A-C3A-CAA-CBA
31	E4	201	PEB	NB-C1B-CHA-C4A
31	E4	201	PEB	C2B-C1B-CHA-C4A
31	E4	202	PEB	NB-C1B-CHA-C4A
31	E4	202	PEB	C2B-C1B-CHA-C4A
31	E4	203	PEB	C4A-C3A-CAA-CBA
31	E4	203	PEB	NB-C1B-CHA-C4A
31	E4	203	PEB	C2B-C1B-CHA-C4A
31	F4	201	PEB	ND-C1D-CHC-C4C
31	F4	201	PEB	C2D-C1D-CHC-C4C
31	F4	201	PEB	NC-C1C-CHB-C4B
31	F4	201	PEB	C2C-C1C-CHB-C4B
31	F4	201	PEB	NB-C1B-CHA-C4A
31	F4	201	PEB	C2B-C1B-CHA-C4A
31	F4	202	PEB	NC-C1C-CHB-C4B
31	F4	202	PEB	C2C-C1C-CHB-C4B
31	F4	202	PEB	NB-C1B-CHA-C4A
31	F4	202	PEB	C2B-C1B-CHA-C4A
31	G4	201	PEB	C2A-C3A-CAA-CBA
31	G4	201	PEB	C4A-C3A-CAA-CBA
31	G4	201	PEB	NB-C1B-CHA-C4A
31	G4	201	PEB	C2B-C1B-CHA-C4A
31	G4	202	PEB	ND-C1D-CHC-C4C
31	G4	202	PEB	C2D-C1D-CHC-C4C
31	G4	202	PEB	C4A-C3A-CAA-CBA
31	G4	202	PEB	NB-C1B-CHA-C4A
31	G4	202	PEB	C2B-C1B-CHA-C4A
31	G4	203	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	G4	203	PEB	NB-C1B-CHA-C4A
31	G4	203	PEB	C2B-C1B-CHA-C4A
31	H4	201	PEB	ND-C1D-CHC-C4C
31	H4	201	PEB	C2D-C1D-CHC-C4C
31	H4	201	PEB	NC-C1C-CHB-C4B
31	H4	201	PEB	C2C-C1C-CHB-C4B
31	H4	201	PEB	NB-C1B-CHA-C4A
31	H4	201	PEB	C2B-C1B-CHA-C4A
31	H4	202	PEB	NC-C1C-CHB-C4B
31	H4	202	PEB	C2C-C1C-CHB-C4B
31	H4	202	PEB	NB-C1B-CHA-C4A
31	H4	202	PEB	C2B-C1B-CHA-C4A
31	I4	201	PEB	C4A-C3A-CAA-CBA
31	I4	201	PEB	NB-C1B-CHA-C4A
31	I4	201	PEB	C2B-C1B-CHA-C4A
31	I4	202	PEB	NB-C1B-CHA-C4A
31	I4	202	PEB	C2B-C1B-CHA-C4A
31	I4	203	PEB	NC-C1C-CHB-C4B
31	I4	203	PEB	NB-C1B-CHA-C4A
31	I4	203	PEB	C2B-C1B-CHA-C4A
31	J4	201	PEB	ND-C1D-CHC-C4C
31	J4	201	PEB	C2D-C1D-CHC-C4C
31	J4	201	PEB	NB-C1B-CHA-C4A
31	J4	201	PEB	C2B-C1B-CHA-C4A
31	J4	202	PEB	NC-C1C-CHB-C4B
31	J4	202	PEB	C2C-C1C-CHB-C4B
31	J4	202	PEB	NB-C1B-CHA-C4A
31	J4	202	PEB	C2B-C1B-CHA-C4A
31	K4	201	PEB	C2A-C3A-CAA-CBA
31	K4	201	PEB	C4A-C3A-CAA-CBA
31	K4	201	PEB	NB-C1B-CHA-C4A
31	K4	201	PEB	C2B-C1B-CHA-C4A
31	K4	202	PEB	NC-C1C-CHB-C4B
31	K4	202	PEB	C2C-C1C-CHB-C4B
31	K4	202	PEB	C2C-CAC-CBC-CGC
31	K4	202	PEB	C2A-C3A-CAA-CBA
31	K4	202	PEB	C4A-C3A-CAA-CBA
31	K4	202	PEB	NB-C1B-CHA-C4A
31	K4	202	PEB	C2B-C1B-CHA-C4A
31	K4	203	PEB	C4A-C3A-CAA-CBA
31	K4	203	PEB	NB-C1B-CHA-C4A
31	K4	203	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	L4	201	PEB	ND-C1D-CHC-C4C
31	L4	201	PEB	C2D-C1D-CHC-C4C
31	L4	201	PEB	NB-C1B-CHA-C4A
31	L4	201	PEB	C2B-C1B-CHA-C4A
31	L4	202	PEB	NC-C1C-CHB-C4B
31	L4	202	PEB	C2C-C1C-CHB-C4B
31	L4	202	PEB	NB-C1B-CHA-C4A
31	L4	202	PEB	C2B-C1B-CHA-C4A
31	M4	201	PEB	C4A-C3A-CAA-CBA
31	M4	201	PEB	NB-C1B-CHA-C4A
31	M4	201	PEB	C2B-C1B-CHA-C4A
31	M4	202	PEB	C2A-C3A-CAA-CBA
31	M4	202	PEB	C4A-C3A-CAA-CBA
31	M4	202	PEB	NB-C1B-CHA-C4A
31	M4	202	PEB	C2B-C1B-CHA-C4A
31	M4	203	PEB	C4A-C3A-CAA-CBA
31	M4	203	PEB	NB-C1B-CHA-C4A
31	M4	203	PEB	C2B-C1B-CHA-C4A
31	N4	201	PEB	ND-C1D-CHC-C4C
31	N4	201	PEB	C2D-C1D-CHC-C4C
31	N4	201	PEB	NC-C1C-CHB-C4B
31	N4	201	PEB	C2C-C1C-CHB-C4B
31	N4	201	PEB	NB-C1B-CHA-C4A
31	N4	201	PEB	C2B-C1B-CHA-C4A
31	N4	202	PEB	NC-C1C-CHB-C4B
31	N4	202	PEB	C2C-C1C-CHB-C4B
31	N4	202	PEB	NB-C1B-CHA-C4A
31	N4	202	PEB	C2B-C1B-CHA-C4A
31	O4	201	PEB	NB-C1B-CHA-C4A
31	O4	201	PEB	C2B-C1B-CHA-C4A
31	O4	202	PEB	NB-C1B-CHA-C4A
31	O4	202	PEB	C2B-C1B-CHA-C4A
31	O4	203	PEB	C2A-C3A-CAA-CBA
31	O4	203	PEB	NB-C1B-CHA-C4A
31	O4	203	PEB	C2B-C1B-CHA-C4A
31	P4	201	PEB	ND-C1D-CHC-C4C
31	P4	201	PEB	C2D-C1D-CHC-C4C
31	P4	201	PEB	NC-C1C-CHB-C4B
31	P4	201	PEB	C2C-C1C-CHB-C4B
31	P4	201	PEB	NB-C1B-CHA-C4A
31	P4	201	PEB	C2B-C1B-CHA-C4A
31	P4	202	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	P4	202	PEB	C2C-C1C-CHB-C4B
31	P4	202	PEB	NB-C1B-CHA-C4A
31	P4	202	PEB	C2B-C1B-CHA-C4A
31	Q4	201	PEB	C4A-C3A-CAA-CBA
31	Q4	201	PEB	NB-C1B-CHA-C4A
31	Q4	201	PEB	C2B-C1B-CHA-C4A
31	Q4	203	PEB	C2A-C3A-CAA-CBA
31	Q4	203	PEB	C4A-C3A-CAA-CBA
31	Q4	203	PEB	NB-C1B-CHA-C4A
31	Q4	203	PEB	C2B-C1B-CHA-C4A
31	Q4	204	PEB	C2C-CAC-CBC-CGC
31	Q4	204	PEB	C4A-C3A-CAA-CBA
31	Q4	204	PEB	NB-C1B-CHA-C4A
31	Q4	204	PEB	C2B-C1B-CHA-C4A
31	R4	201	PEB	C2A-C3A-CAA-CBA
31	R4	201	PEB	C4A-C3A-CAA-CBA
31	R4	201	PEB	NB-C1B-CHA-C4A
31	R4	201	PEB	C2B-C1B-CHA-C4A
31	R4	202	PEB	NC-C1C-CHB-C4B
31	R4	202	PEB	C2C-C1C-CHB-C4B
31	R4	202	PEB	NB-C1B-CHA-C4A
31	R4	202	PEB	C2B-C1B-CHA-C4A
31	S4	201	PEB	ND-C1D-CHC-C4C
31	S4	201	PEB	C2D-C1D-CHC-C4C
31	S4	201	PEB	C4A-C3A-CAA-CBA
31	S4	201	PEB	NB-C1B-CHA-C4A
31	S4	201	PEB	C2B-C1B-CHA-C4A
31	S4	202	PEB	NC-C1C-CHB-C4B
31	S4	202	PEB	C2C-C1C-CHB-C4B
31	S4	202	PEB	C4A-C3A-CAA-CBA
31	S4	202	PEB	NB-C1B-CHA-C4A
31	S4	202	PEB	C2B-C1B-CHA-C4A
31	S4	203	PEB	C2A-C3A-CAA-CBA
31	S4	203	PEB	C4A-C3A-CAA-CBA
31	S4	203	PEB	NB-C1B-CHA-C4A
31	S4	203	PEB	C2B-C1B-CHA-C4A
31	T4	201	PEB	ND-C1D-CHC-C4C
31	T4	201	PEB	NB-C1B-CHA-C4A
31	T4	201	PEB	C2B-C1B-CHA-C4A
31	T4	202	PEB	NB-C1B-CHA-C4A
31	T4	202	PEB	C2B-C1B-CHA-C4A
31	U4	201	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	U4	201	PEB	NB-C1B-CHA-C4A
31	U4	201	PEB	C2B-C1B-CHA-C4A
31	U4	202	PEB	NB-C1B-CHA-C4A
31	U4	202	PEB	C2B-C1B-CHA-C4A
31	U4	203	PEB	NB-C1B-CHA-C4A
31	U4	203	PEB	C2B-C1B-CHA-C4A
31	V4	201	PEB	ND-C1D-CHC-C4C
31	V4	201	PEB	C2D-C1D-CHC-C4C
31	V4	201	PEB	NC-C1C-CHB-C4B
31	V4	201	PEB	C2C-C1C-CHB-C4B
31	V4	201	PEB	NB-C1B-CHA-C4A
31	V4	201	PEB	C2B-C1B-CHA-C4A
31	V4	202	PEB	NC-C1C-CHB-C4B
31	V4	202	PEB	C2C-C1C-CHB-C4B
31	V4	202	PEB	NB-C1B-CHA-C4A
31	V4	202	PEB	C2B-C1B-CHA-C4A
31	W4	201	PEB	C2A-C3A-CAA-CBA
31	W4	201	PEB	C4A-C3A-CAA-CBA
31	W4	201	PEB	NB-C1B-CHA-C4A
31	W4	201	PEB	C2B-C1B-CHA-C4A
31	W4	202	PEB	NC-C1C-CHB-C4B
31	W4	202	PEB	C2C-C1C-CHB-C4B
31	W4	202	PEB	C3C-C2C-CAC-CBC
31	W4	202	PEB	C2A-C3A-CAA-CBA
31	W4	202	PEB	C4A-C3A-CAA-CBA
31	W4	202	PEB	NB-C1B-CHA-C4A
31	W4	202	PEB	C2B-C1B-CHA-C4A
31	W4	203	PEB	C4A-C3A-CAA-CBA
31	W4	203	PEB	NB-C1B-CHA-C4A
31	W4	203	PEB	C2B-C1B-CHA-C4A
31	X4	201	PEB	ND-C1D-CHC-C4C
31	X4	201	PEB	C2D-C1D-CHC-C4C
31	X4	201	PEB	C4A-C3A-CAA-CBA
31	X4	201	PEB	NB-C1B-CHA-C4A
31	X4	201	PEB	C2B-C1B-CHA-C4A
31	X4	202	PEB	NC-C1C-CHB-C4B
31	X4	202	PEB	C2C-C1C-CHB-C4B
31	X4	202	PEB	NB-C1B-CHA-C4A
31	X4	202	PEB	C2B-C1B-CHA-C4A
31	Y4	201	PEB	C2A-C3A-CAA-CBA
31	Y4	201	PEB	C4A-C3A-CAA-CBA
31	Y4	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	Y4	201	PEB	C2B-C1B-CHA-C4A
31	Y4	202	PEB	C2A-C3A-CAA-CBA
31	Y4	202	PEB	C4A-C3A-CAA-CBA
31	Y4	202	PEB	NB-C1B-CHA-C4A
31	Y4	202	PEB	C2B-C1B-CHA-C4A
31	Y4	203	PEB	C2C-CAC-CBC-CGC
31	Y4	203	PEB	C4A-C3A-CAA-CBA
31	Y4	203	PEB	NB-C1B-CHA-C4A
31	Y4	203	PEB	C2B-C1B-CHA-C4A
31	Z4	201	PEB	ND-C1D-CHC-C4C
31	Z4	201	PEB	C2D-C1D-CHC-C4C
31	Z4	201	PEB	NC-C1C-CHB-C4B
31	Z4	201	PEB	C2C-C1C-CHB-C4B
31	Z4	201	PEB	C2A-C3A-CAA-CBA
31	Z4	201	PEB	NB-C1B-CHA-C4A
31	Z4	201	PEB	C2B-C1B-CHA-C4A
31	Z4	202	PEB	NC-C1C-CHB-C4B
31	Z4	202	PEB	C2C-C1C-CHB-C4B
31	Z4	202	PEB	NB-C1B-CHA-C4A
31	Z4	202	PEB	C2B-C1B-CHA-C4A
31	a4	201	PEB	NB-C1B-CHA-C4A
31	a4	201	PEB	C2B-C1B-CHA-C4A
31	a4	202	PEB	C2A-C3A-CAA-CBA
31	a4	202	PEB	C4A-C3A-CAA-CBA
31	a4	202	PEB	NB-C1B-CHA-C4A
31	a4	202	PEB	C2B-C1B-CHA-C4A
31	a4	203	PEB	ND-C1D-CHC-C4C
31	a4	203	PEB	NC-C1C-CHB-C4B
31	a4	203	PEB	C2C-C1C-CHB-C4B
31	a4	203	PEB	C2A-C3A-CAA-CBA
31	a4	203	PEB	C4A-C3A-CAA-CBA
31	a4	203	PEB	NB-C1B-CHA-C4A
31	a4	203	PEB	C2B-C1B-CHA-C4A
31	a4	204	PEB	C4A-C3A-CAA-CBA
31	a4	204	PEB	NB-C1B-CHA-C4A
31	a4	204	PEB	C2B-C1B-CHA-C4A
31	c4	201	PEB	ND-C1D-CHC-C4C
31	c4	201	PEB	C2D-C1D-CHC-C4C
31	c4	201	PEB	NC-C1C-CHB-C4B
31	c4	201	PEB	C2C-C1C-CHB-C4B
31	c4	201	PEB	C4A-C3A-CAA-CBA
31	c4	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	c4	201	PEB	C2B-C1B-CHA-C4A
31	c4	202	PEB	NC-C1C-CHB-C4B
31	c4	202	PEB	C2C-C1C-CHB-C4B
31	c4	202	PEB	NB-C1B-CHA-C4A
31	c4	202	PEB	C2B-C1B-CHA-C4A
31	d4	201	PEB	C4A-C3A-CAA-CBA
31	d4	201	PEB	NB-C1B-CHA-C4A
31	d4	201	PEB	C2B-C1B-CHA-C4A
31	d4	202	PEB	C4A-C3A-CAA-CBA
31	d4	202	PEB	NB-C1B-CHA-C4A
31	d4	202	PEB	C2B-C1B-CHA-C4A
31	d4	203	PEB	ND-C1D-CHC-C4C
31	d4	203	PEB	NC-C1C-CHB-C4B
31	d4	203	PEB	C2C-C1C-CHB-C4B
31	d4	203	PEB	C4A-C3A-CAA-CBA
31	d4	203	PEB	NB-C1B-CHA-C4A
31	d4	203	PEB	C2B-C1B-CHA-C4A
31	e4	201	PEB	NC-C1C-CHB-C4B
31	e4	201	PEB	C2C-C1C-CHB-C4B
31	e4	201	PEB	NB-C1B-CHA-C4A
31	e4	201	PEB	C2B-C1B-CHA-C4A
31	e4	202	PEB	ND-C1D-CHC-C4C
31	e4	202	PEB	C2D-C1D-CHC-C4C
31	e4	202	PEB	NB-C1B-CHA-C4A
31	e4	202	PEB	C2B-C1B-CHA-C4A
31	f4	201	PEB	NB-C1B-CHA-C4A
31	f4	201	PEB	C2B-C1B-CHA-C4A
31	f4	202	PEB	NC-C1C-CHB-C4B
31	f4	202	PEB	C2C-C1C-CHB-C4B
31	f4	202	PEB	C2D-C3D-CAD-CBD
31	f4	202	PEB	C4D-C3D-CAD-CBD
31	f4	202	PEB	NB-C1B-CHA-C4A
31	f4	202	PEB	C2B-C1B-CHA-C4A
31	f4	203	PEB	C4A-C3A-CAA-CBA
31	f4	203	PEB	NB-C1B-CHA-C4A
31	f4	203	PEB	C2B-C1B-CHA-C4A
31	g4	201	PEB	ND-C1D-CHC-C4C
31	g4	201	PEB	C2D-C1D-CHC-C4C
31	g4	201	PEB	NC-C1C-CHB-C4B
31	g4	201	PEB	C2C-C1C-CHB-C4B
31	g4	201	PEB	NB-C1B-CHA-C4A
31	g4	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	g4	202	PEB	ND-C1D-CHC-C4C
31	g4	202	PEB	C2D-C1D-CHC-C4C
31	g4	202	PEB	NC-C1C-CHB-C4B
31	g4	202	PEB	C2C-C1C-CHB-C4B
31	g4	202	PEB	C2C-CAC-CBC-CGC
31	g4	202	PEB	NB-C1B-CHA-C4A
31	g4	202	PEB	C2B-C1B-CHA-C4A
31	h4	201	PEB	C4A-C3A-CAA-CBA
31	h4	201	PEB	NB-C1B-CHA-C4A
31	h4	201	PEB	C2B-C1B-CHA-C4A
31	h4	202	PEB	NB-C1B-CHA-C4A
31	h4	202	PEB	C2B-C1B-CHA-C4A
31	h4	202	PEB	C3B-CAB-CBB-CGB
31	h4	203	PEB	NC-C1C-CHB-C4B
31	h4	203	PEB	C2C-C1C-CHB-C4B
31	h4	203	PEB	C2C-CAC-CBC-CGC
31	h4	203	PEB	C4A-C3A-CAA-CBA
31	h4	203	PEB	NB-C1B-CHA-C4A
31	h4	203	PEB	C2B-C1B-CHA-C4A
31	i4	201	PEB	ND-C1D-CHC-C4C
31	i4	201	PEB	C2D-C1D-CHC-C4C
31	i4	201	PEB	NC-C1C-CHB-C4B
31	i4	201	PEB	C2C-C1C-CHB-C4B
31	i4	201	PEB	NB-C1B-CHA-C4A
31	i4	201	PEB	C2B-C1B-CHA-C4A
31	i4	202	PEB	ND-C1D-CHC-C4C
31	i4	202	PEB	C2A-C3A-CAA-CBA
31	i4	202	PEB	C4A-C3A-CAA-CBA
31	i4	202	PEB	NB-C1B-CHA-C4A
31	i4	202	PEB	C2B-C1B-CHA-C4A
31	j4	201	PEB	ND-C1D-CHC-C4C
31	j4	201	PEB	C2C-CAC-CBC-CGC
31	j4	201	PEB	NB-C1B-CHA-C4A
31	j4	201	PEB	C2B-C1B-CHA-C4A
31	j4	202	PEB	NC-C1C-CHB-C4B
31	j4	202	PEB	C2C-C1C-CHB-C4B
31	j4	202	PEB	C2A-C3A-CAA-CBA
31	j4	202	PEB	C4A-C3A-CAA-CBA
31	j4	202	PEB	NB-C1B-CHA-C4A
31	j4	202	PEB	C2B-C1B-CHA-C4A
31	j4	203	PEB	C4A-C3A-CAA-CBA
31	j4	203	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	j4	203	PEB	C2B-C1B-CHA-C4A
31	k4	201	PEB	ND-C1D-CHC-C4C
31	k4	201	PEB	NC-C1C-CHB-C4B
31	k4	201	PEB	C2C-C1C-CHB-C4B
31	k4	201	PEB	NB-C1B-CHA-C4A
31	k4	201	PEB	C2B-C1B-CHA-C4A
31	k4	202	PEB	NC-C1C-CHB-C4B
31	k4	202	PEB	C2C-C1C-CHB-C4B
31	k4	202	PEB	NB-C1B-CHA-C4A
31	k4	202	PEB	C2B-C1B-CHA-C4A
31	l4	201	PEB	C4A-C3A-CAA-CBA
31	l4	201	PEB	NB-C1B-CHA-C4A
31	l4	201	PEB	C2B-C1B-CHA-C4A
31	l4	202	PEB	NB-C1B-CHA-C4A
31	l4	202	PEB	C2B-C1B-CHA-C4A
31	l4	203	PEB	ND-C1D-CHC-C4C
31	l4	203	PEB	C2D-C1D-CHC-C4C
31	l4	203	PEB	C4A-C3A-CAA-CBA
31	l4	203	PEB	NB-C1B-CHA-C4A
31	l4	203	PEB	C2B-C1B-CHA-C4A
31	m4	201	PEB	NC-C1C-CHB-C4B
31	m4	201	PEB	C2C-C1C-CHB-C4B
31	m4	201	PEB	NB-C1B-CHA-C4A
31	m4	201	PEB	C2B-C1B-CHA-C4A
31	m4	202	PEB	ND-C1D-CHC-C4C
31	m4	202	PEB	C2D-C1D-CHC-C4C
31	m4	202	PEB	NC-C1C-CHB-C4B
31	m4	202	PEB	C2C-C1C-CHB-C4B
31	m4	202	PEB	NB-C1B-CHA-C4A
31	m4	202	PEB	C2B-C1B-CHA-C4A
31	L5	201	PEB	C4A-C3A-CAA-CBA
31	L5	201	PEB	NB-C1B-CHA-C4A
31	L5	201	PEB	C2B-C1B-CHA-C4A
31	L5	202	PEB	ND-C1D-CHC-C4C
31	L5	202	PEB	NB-C1B-CHA-C4A
31	L5	202	PEB	C2B-C1B-CHA-C4A
31	L5	203	PEB	NC-C1C-CHB-C4B
31	L5	203	PEB	C2C-C1C-CHB-C4B
31	L5	203	PEB	C2A-C3A-CAA-CBA
31	L5	203	PEB	C4A-C3A-CAA-CBA
31	L5	203	PEB	NB-C1B-CHA-C4A
31	L5	203	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	M5	201	PEB	C1C-C2C-CAC-CBC
31	M5	201	PEB	C3C-C2C-CAC-CBC
31	M5	201	PEB	NB-C1B-CHA-C4A
31	M5	201	PEB	C2B-C1B-CHA-C4A
31	M5	202	PEB	NC-C1C-CHB-C4B
31	M5	202	PEB	C2C-C1C-CHB-C4B
31	M5	202	PEB	NB-C1B-CHA-C4A
31	M5	202	PEB	C2B-C1B-CHA-C4A
31	N5	202	PEB	ND-C1D-CHC-C4C
31	N5	202	PEB	C2D-C1D-CHC-C4C
31	N5	202	PEB	C2A-C3A-CAA-CBA
31	N5	202	PEB	C4A-C3A-CAA-CBA
31	N5	202	PEB	NB-C1B-CHA-C4A
31	N5	202	PEB	C2B-C1B-CHA-C4A
31	N5	203	PEB	ND-C1D-CHC-C4C
31	N5	203	PEB	C2D-C1D-CHC-C4C
31	N5	203	PEB	NC-C1C-CHB-C4B
31	N5	203	PEB	C2C-C1C-CHB-C4B
31	N5	203	PEB	C4A-C3A-CAA-CBA
31	N5	203	PEB	NB-C1B-CHA-C4A
31	N5	203	PEB	C2B-C1B-CHA-C4A
31	N5	204	PEB	NC-C1C-CHB-C4B
31	N5	204	PEB	C2C-C1C-CHB-C4B
31	N5	204	PEB	C4A-C3A-CAA-CBA
31	N5	204	PEB	NB-C1B-CHA-C4A
31	N5	204	PEB	C2B-C1B-CHA-C4A
31	O5	201	PEB	NB-C1B-CHA-C4A
31	O5	201	PEB	C2B-C1B-CHA-C4A
31	O5	202	PEB	NC-C1C-CHB-C4B
31	O5	202	PEB	C2C-C1C-CHB-C4B
31	O5	202	PEB	C2D-C3D-CAD-CBD
31	O5	202	PEB	C4D-C3D-CAD-CBD
31	O5	202	PEB	NB-C1B-CHA-C4A
31	O5	202	PEB	C2B-C1B-CHA-C4A
31	P5	201	PEB	C2A-C3A-CAA-CBA
31	P5	201	PEB	C4A-C3A-CAA-CBA
31	P5	201	PEB	NB-C1B-CHA-C4A
31	P5	201	PEB	C2B-C1B-CHA-C4A
31	P5	202	PEB	ND-C1D-CHC-C4C
31	P5	202	PEB	C2D-C1D-CHC-C4C
31	P5	202	PEB	NC-C1C-CHB-C4B
31	P5	202	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	P5	202	PEB	NB-C1B-CHA-C4A
31	P5	202	PEB	C2B-C1B-CHA-C4A
31	P5	203	PEB	ND-C1D-CHC-C4C
31	P5	203	PEB	C2D-C1D-CHC-C4C
31	P5	203	PEB	NC-C1C-CHB-C4B
31	P5	203	PEB	C2C-C1C-CHB-C4B
31	P5	203	PEB	C2A-C3A-CAA-CBA
31	P5	203	PEB	C4A-C3A-CAA-CBA
31	P5	203	PEB	NB-C1B-CHA-C4A
31	P5	203	PEB	C2B-C1B-CHA-C4A
31	Q5	201	PEB	NB-C1B-CHA-C4A
31	Q5	201	PEB	C2B-C1B-CHA-C4A
31	Q5	202	PEB	ND-C1D-CHC-C4C
31	Q5	202	PEB	C2C-C1C-CHB-C4B
31	Q5	202	PEB	NB-C1B-CHA-C4A
31	Q5	202	PEB	C2B-C1B-CHA-C4A
31	R5	201	PEB	ND-C1D-CHC-C4C
31	R5	201	PEB	C2D-C1D-CHC-C4C
31	R5	201	PEB	NC-C1C-CHB-C4B
31	R5	201	PEB	NB-C1B-CHA-C4A
31	R5	201	PEB	C2B-C1B-CHA-C4A
31	R5	202	PEB	NC-C1C-CHB-C4B
31	R5	202	PEB	C2C-C1C-CHB-C4B
31	R5	202	PEB	C4A-C3A-CAA-CBA
31	R5	202	PEB	NB-C1B-CHA-C4A
31	R5	202	PEB	C2B-C1B-CHA-C4A
31	R5	203	PEB	C2A-C3A-CAA-CBA
31	R5	203	PEB	C4A-C3A-CAA-CBA
31	R5	203	PEB	NB-C1B-CHA-C4A
31	R5	203	PEB	C2B-C1B-CHA-C4A
31	S5	201	PEB	NC-C1C-CHB-C4B
31	S5	201	PEB	C2C-C1C-CHB-C4B
31	S5	201	PEB	NB-C1B-CHA-C4A
31	S5	201	PEB	C2B-C1B-CHA-C4A
31	S5	202	PEB	NB-C1B-CHA-C4A
31	S5	202	PEB	C2B-C1B-CHA-C4A
31	T5	201	PEB	C2D-C3D-CAD-CBD
31	T5	201	PEB	C4D-C3D-CAD-CBD
31	T5	201	PEB	C4A-C3A-CAA-CBA
31	T5	201	PEB	NB-C1B-CHA-C4A
31	T5	201	PEB	C2B-C1B-CHA-C4A
31	T5	202	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	T5	202	PEB	C2D-C1D-CHC-C4C
31	T5	202	PEB	C2A-C3A-CAA-CBA
31	T5	202	PEB	C4A-C3A-CAA-CBA
31	T5	202	PEB	NB-C1B-CHA-C4A
31	T5	202	PEB	C2B-C1B-CHA-C4A
31	T5	202	PEB	C3B-CAB-CBB-CGB
31	T5	203	PEB	ND-C1D-CHC-C4C
31	T5	203	PEB	C2D-C1D-CHC-C4C
31	T5	203	PEB	NC-C1C-CHB-C4B
31	T5	203	PEB	C2C-C1C-CHB-C4B
31	T5	203	PEB	C2A-C3A-CAA-CBA
31	T5	203	PEB	C4A-C3A-CAA-CBA
31	T5	203	PEB	NB-C1B-CHA-C4A
31	T5	203	PEB	C2B-C1B-CHA-C4A
31	U5	201	PEB	ND-C1D-CHC-C4C
31	U5	201	PEB	C2D-C1D-CHC-C4C
31	U5	201	PEB	NB-C1B-CHA-C4A
31	U5	201	PEB	C2B-C1B-CHA-C4A
31	U5	202	PEB	C2C-C1C-CHB-C4B
31	U5	202	PEB	NB-C1B-CHA-C4A
31	U5	202	PEB	C2B-C1B-CHA-C4A
31	d5	401	PEB	NC-C1C-CHB-C4B
31	d5	401	PEB	C2C-C1C-CHB-C4B
31	d5	401	PEB	C1C-C2C-CAC-CBC
31	d5	401	PEB	C3C-C2C-CAC-CBC
31	d5	401	PEB	NB-C1B-CHA-C4A
31	d5	401	PEB	C2B-C1B-CHA-C4A
31	A5	301	PEB	NC-C1C-CHB-C4B
31	A5	301	PEB	C2C-C1C-CHB-C4B
31	A5	301	PEB	NB-C1B-CHA-C4A
31	A5	301	PEB	C2B-C1B-CHA-C4A
31	A5	302	PEB	C2C-CAC-CBC-CGC
31	A5	302	PEB	NB-C1B-CHA-C4A
31	A5	302	PEB	C2B-C1B-CHA-C4A
31	A5	304	PEB	ND-C1D-CHC-C4C
31	A5	304	PEB	C2A-C3A-CAA-CBA
31	A5	304	PEB	NB-C1B-CHA-C4A
31	A5	304	PEB	C2B-C1B-CHA-C4A
31	B5	201	PEB	ND-C1D-CHC-C4C
31	B5	201	PEB	C2D-C1D-CHC-C4C
31	B5	201	PEB	NC-C1C-CHB-C4B
31	B5	201	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	B5	201	PEB	NB-C1B-CHA-C4A
31	B5	201	PEB	C2B-C1B-CHA-C4A
31	B5	202	PEB	NC-C1C-CHB-C4B
31	B5	202	PEB	C2C-C1C-CHB-C4B
31	B5	202	PEB	C2A-C3A-CAA-CBA
31	B5	202	PEB	C4A-C3A-CAA-CBA
31	B5	202	PEB	NB-C1B-CHA-C4A
31	B5	202	PEB	C2B-C1B-CHA-C4A
31	B5	203	PEB	C2D-C3D-CAD-CBD
31	B5	203	PEB	C4D-C3D-CAD-CBD
31	B5	203	PEB	C4A-C3A-CAA-CBA
31	B5	203	PEB	NB-C1B-CHA-C4A
31	B5	203	PEB	C2B-C1B-CHA-C4A
31	C5	201	PEB	NB-C1B-CHA-C4A
31	C5	201	PEB	C2B-C1B-CHA-C4A
31	C5	202	PEB	NB-C1B-CHA-C4A
31	C5	202	PEB	C2B-C1B-CHA-C4A
31	D5	201	PEB	C2D-C3D-CAD-CBD
31	D5	201	PEB	C4D-C3D-CAD-CBD
31	D5	201	PEB	C4A-C3A-CAA-CBA
31	D5	201	PEB	NB-C1B-CHA-C4A
31	D5	201	PEB	C2B-C1B-CHA-C4A
31	D5	202	PEB	ND-C1D-CHC-C4C
31	D5	202	PEB	C2D-C1D-CHC-C4C
31	D5	202	PEB	NC-C1C-CHB-C4B
31	D5	202	PEB	C2C-C1C-CHB-C4B
31	D5	202	PEB	C3B-CAB-CBB-CGB
31	D5	203	PEB	NC-C1C-CHB-C4B
31	D5	203	PEB	C2C-C1C-CHB-C4B
31	D5	203	PEB	C4A-C3A-CAA-CBA
31	D5	203	PEB	NB-C1B-CHA-C4A
31	D5	203	PEB	C2B-C1B-CHA-C4A
31	E5	201	PEB	NB-C1B-CHA-C4A
31	E5	201	PEB	C2B-C1B-CHA-C4A
31	E5	202	PEB	ND-C1D-CHC-C4C
31	E5	202	PEB	C1C-C2C-CAC-CBC
31	E5	202	PEB	C3C-C2C-CAC-CBC
31	E5	202	PEB	C2D-C3D-CAD-CBD
31	E5	202	PEB	C4D-C3D-CAD-CBD
31	E5	202	PEB	NB-C1B-CHA-C4A
31	E5	202	PEB	C2B-C1B-CHA-C4A
31	F5	201	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	F5	201	PEB	C2D-C1D-CHC-C4C
31	F5	201	PEB	NC-C1C-CHB-C4B
31	F5	201	PEB	C2C-C1C-CHB-C4B
31	F5	201	PEB	C2D-C3D-CAD-CBD
31	F5	201	PEB	C4D-C3D-CAD-CBD
31	F5	201	PEB	NB-C1B-CHA-C4A
31	F5	201	PEB	C2B-C1B-CHA-C4A
31	F5	202	PEB	NC-C1C-CHB-C4B
31	F5	202	PEB	C2C-C1C-CHB-C4B
31	F5	202	PEB	C2A-C3A-CAA-CBA
31	F5	202	PEB	C4A-C3A-CAA-CBA
31	F5	202	PEB	NB-C1B-CHA-C4A
31	F5	202	PEB	C2B-C1B-CHA-C4A
31	F5	203	PEB	C4A-C3A-CAA-CBA
31	F5	203	PEB	NB-C1B-CHA-C4A
31	F5	203	PEB	C2B-C1B-CHA-C4A
31	G5	201	PEB	NB-C1B-CHA-C4A
31	G5	201	PEB	C2B-C1B-CHA-C4A
31	G5	202	PEB	NC-C1C-CHB-C4B
31	G5	202	PEB	C2C-C1C-CHB-C4B
31	G5	202	PEB	C1C-C2C-CAC-CBC
31	G5	202	PEB	C3C-C2C-CAC-CBC
31	G5	202	PEB	C2A-C3A-CAA-CBA
31	G5	202	PEB	C4A-C3A-CAA-CBA
31	G5	202	PEB	NB-C1B-CHA-C4A
31	G5	202	PEB	C2B-C1B-CHA-C4A
31	H5	201	PEB	NC-C1C-CHB-C4B
31	H5	201	PEB	C4A-C3A-CAA-CBA
31	H5	201	PEB	NB-C1B-CHA-C4A
31	H5	201	PEB	C2B-C1B-CHA-C4A
31	H5	202	PEB	ND-C1D-CHC-C4C
31	H5	202	PEB	C2D-C1D-CHC-C4C
31	H5	202	PEB	NC-C1C-CHB-C4B
31	H5	202	PEB	C2C-C1C-CHB-C4B
31	H5	202	PEB	NB-C1B-CHA-C4A
31	H5	203	PEB	ND-C1D-CHC-C4C
31	H5	203	PEB	NC-C1C-CHB-C4B
31	H5	203	PEB	C2C-C1C-CHB-C4B
31	H5	203	PEB	C4A-C3A-CAA-CBA
31	H5	203	PEB	NB-C1B-CHA-C4A
31	H5	203	PEB	C2B-C1B-CHA-C4A
31	I5	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	I5	201	PEB	C2B-C1B-CHA-C4A
31	I5	202	PEB	C1C-C2C-CAC-CBC
31	I5	202	PEB	C3C-C2C-CAC-CBC
31	I5	202	PEB	NB-C1B-CHA-C4A
31	I5	202	PEB	C2B-C1B-CHA-C4A
31	J5	201	PEB	C2D-C3D-CAD-CBD
31	J5	201	PEB	C4D-C3D-CAD-CBD
31	J5	201	PEB	C4A-C3A-CAA-CBA
31	J5	201	PEB	NB-C1B-CHA-C4A
31	J5	201	PEB	C2B-C1B-CHA-C4A
31	J5	202	PEB	ND-C1D-CHC-C4C
31	J5	202	PEB	NC-C1C-CHB-C4B
31	J5	202	PEB	C2C-C1C-CHB-C4B
31	J5	202	PEB	NB-C1B-CHA-C4A
31	J5	202	PEB	C2B-C1B-CHA-C4A
31	J5	203	PEB	NC-C1C-CHB-C4B
31	J5	203	PEB	C2C-C1C-CHB-C4B
31	J5	203	PEB	C4A-C3A-CAA-CBA
31	J5	203	PEB	NB-C1B-CHA-C4A
31	J5	203	PEB	C2B-C1B-CHA-C4A
31	K5	201	PEB	ND-C1D-CHC-C4C
31	K5	201	PEB	C2A-C3A-CAA-CBA
31	K5	201	PEB	C4A-C3A-CAA-CBA
31	K5	201	PEB	NB-C1B-CHA-C4A
31	K5	201	PEB	C2B-C1B-CHA-C4A
31	K5	202	PEB	ND-C1D-CHC-C4C
31	K5	202	PEB	NC-C1C-CHB-C4B
31	K5	202	PEB	C2C-C1C-CHB-C4B
31	K5	202	PEB	C2C-CAC-CBC-CGC
31	K5	202	PEB	C2D-C3D-CAD-CBD
31	K5	202	PEB	C4D-C3D-CAD-CBD
31	K5	202	PEB	NB-C1B-CHA-C4A
31	K5	202	PEB	C2B-C1B-CHA-C4A
31	V5	201	PEB	ND-C1D-CHC-C4C
31	V5	201	PEB	C2D-C1D-CHC-C4C
31	V5	201	PEB	NC-C1C-CHB-C4B
31	V5	201	PEB	C2C-C1C-CHB-C4B
31	V5	201	PEB	C2D-C3D-CAD-CBD
31	V5	201	PEB	C4D-C3D-CAD-CBD
31	V5	201	PEB	NB-C1B-CHA-C4A
31	V5	201	PEB	C2B-C1B-CHA-C4A
31	V5	202	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	V5	202	PEB	C2D-C1D-CHC-C4C
31	V5	202	PEB	NC-C1C-CHB-C4B
31	V5	202	PEB	C2C-C1C-CHB-C4B
31	V5	202	PEB	C4A-C3A-CAA-CBA
31	V5	202	PEB	NB-C1B-CHA-C4A
31	V5	202	PEB	C2B-C1B-CHA-C4A
31	V5	203	PEB	NC-C1C-CHB-C4B
31	V5	203	PEB	C2C-C1C-CHB-C4B
31	V5	203	PEB	C2C-CAC-CBC-CGC
31	V5	203	PEB	C4D-C3D-CAD-CBD
31	V5	203	PEB	C4A-C3A-CAA-CBA
31	V5	203	PEB	NB-C1B-CHA-C4A
31	V5	203	PEB	C2B-C1B-CHA-C4A
31	W5	201	PEB	NC-C1C-CHB-C4B
31	W5	201	PEB	C2C-C1C-CHB-C4B
31	W5	201	PEB	NB-C1B-CHA-C4A
31	W5	201	PEB	C2B-C1B-CHA-C4A
31	W5	202	PEB	NB-C1B-CHA-C4A
31	W5	202	PEB	C2B-C1B-CHA-C4A
31	X5	201	PEB	C2C-CAC-CBC-CGC
31	X5	201	PEB	C4A-C3A-CAA-CBA
31	X5	201	PEB	NB-C1B-CHA-C4A
31	X5	201	PEB	C2B-C1B-CHA-C4A
31	X5	202	PEB	ND-C1D-CHC-C4C
31	X5	202	PEB	NB-C1B-CHA-C4A
31	X5	202	PEB	C2B-C1B-CHA-C4A
31	X5	203	PEB	NC-C1C-CHB-C4B
31	X5	203	PEB	C2C-C1C-CHB-C4B
31	X5	203	PEB	C4A-C3A-CAA-CBA
31	X5	203	PEB	NB-C1B-CHA-C4A
31	X5	203	PEB	C2B-C1B-CHA-C4A
31	Y5	201	PEB	C2C-CAC-CBC-CGC
31	Y5	201	PEB	NB-C1B-CHA-C4A
31	Y5	201	PEB	C2B-C1B-CHA-C4A
31	Y5	202	PEB	NB-C1B-CHA-C4A
31	Y5	202	PEB	C2B-C1B-CHA-C4A
31	F6	1002	PEB	C2A-C3A-CAA-CBA
31	F6	1002	PEB	C4A-C3A-CAA-CBA
31	F6	1002	PEB	NB-C1B-CHA-C4A
31	F6	1002	PEB	C2B-C1B-CHA-C4A
31	F6	1002	PEB	C3B-CAB-CBB-CGB
31	H6	1002	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	H6	1002	PEB	NB-C1B-CHA-C4A
31	H6	1002	PEB	C2B-C1B-CHA-C4A
31	J6	1002	PEB	ND-C1D-CHC-C4C
31	J6	1002	PEB	C2D-C1D-CHC-C4C
31	J6	1002	PEB	NC-C1C-CHB-C4B
31	J6	1002	PEB	C4A-C3A-CAA-CBA
31	J6	1002	PEB	NB-C1B-CHA-C4A
31	J6	1002	PEB	C2B-C1B-CHA-C4A
31	L6	1002	PEB	ND-C1D-CHC-C4C
31	L6	1002	PEB	C2D-C1D-CHC-C4C
31	L6	1002	PEB	NC-C1C-CHB-C4B
31	L6	1002	PEB	C2C-CAC-CBC-CGC
31	L6	1002	PEB	NB-C1B-CHA-C4A
31	L6	1002	PEB	C2B-C1B-CHA-C4A
31	N6	1002	PEB	C4A-C3A-CAA-CBA
31	N6	1002	PEB	NB-C1B-CHA-C4A
31	N6	1002	PEB	C2B-C1B-CHA-C4A
31	O6	201	PEB	NC-C1C-CHB-C4B
31	O6	201	PEB	C2A-C3A-CAA-CBA
31	O6	201	PEB	C4A-C3A-CAA-CBA
31	O6	201	PEB	NB-C1B-CHA-C4A
31	O6	201	PEB	C2B-C1B-CHA-C4A
31	O6	202	PEB	ND-C1D-CHC-C4C
31	O6	202	PEB	NB-C1B-CHA-C4A
31	O6	202	PEB	C2B-C1B-CHA-C4A
31	A6	301	PEB	NB-C1B-CHA-C4A
31	A6	301	PEB	C2B-C1B-CHA-C4A
31	A6	304	PEB	C2A-C3A-CAA-CBA
31	A6	304	PEB	C4A-C3A-CAA-CBA
31	A6	304	PEB	NB-C1B-CHA-C4A
31	A6	304	PEB	C2B-C1B-CHA-C4A
31	A6	305	PEB	NC-C1C-CHB-C4B
31	A6	305	PEB	C4A-C3A-CAA-CBA
31	A6	305	PEB	NB-C1B-CHA-C4A
31	A6	305	PEB	C2B-C1B-CHA-C4A
31	D6	1002	PEB	C4A-C3A-CAA-CBA
31	D6	1002	PEB	NB-C1B-CHA-C4A
31	D6	1002	PEB	C2B-C1B-CHA-C4A
31	P6	201	PEB	NB-C1B-CHA-C4A
31	P6	201	PEB	C2B-C1B-CHA-C4A
31	P6	202	PEB	NB-C1B-CHA-C4A
31	P6	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	P6	203	PEB	NB-C1B-CHA-C4A
31	P6	203	PEB	C2B-C1B-CHA-C4A
31	Q6	201	PEB	C4A-C3A-CAA-CBA
31	Q6	201	PEB	NB-C1B-CHA-C4A
31	Q6	201	PEB	C2B-C1B-CHA-C4A
31	Q6	202	PEB	C4A-C3A-CAA-CBA
31	Q6	202	PEB	NB-C1B-CHA-C4A
31	Q6	202	PEB	C2B-C1B-CHA-C4A
31	R6	201	PEB	NB-C1B-CHA-C4A
31	R6	201	PEB	C2B-C1B-CHA-C4A
31	R6	202	PEB	C2A-C3A-CAA-CBA
31	R6	202	PEB	NB-C1B-CHA-C4A
31	R6	202	PEB	C2B-C1B-CHA-C4A
31	R6	203	PEB	NC-C1C-CHB-C4B
31	R6	203	PEB	C2C-C1C-CHB-C4B
31	R6	203	PEB	NB-C1B-CHA-C4A
31	R6	203	PEB	C2B-C1B-CHA-C4A
31	S6	201	PEB	NC-C1C-CHB-C4B
31	S6	201	PEB	C2A-C3A-CAA-CBA
31	S6	201	PEB	C4A-C3A-CAA-CBA
31	S6	201	PEB	NB-C1B-CHA-C4A
31	S6	201	PEB	C2B-C1B-CHA-C4A
31	S6	202	PEB	ND-C1D-CHC-C4C
31	S6	202	PEB	C2D-C1D-CHC-C4C
31	S6	202	PEB	C4A-C3A-CAA-CBA
31	S6	202	PEB	NB-C1B-CHA-C4A
31	S6	202	PEB	C2B-C1B-CHA-C4A
31	T6	201	PEB	NB-C1B-CHA-C4A
31	T6	201	PEB	C2B-C1B-CHA-C4A
31	T6	202	PEB	NB-C1B-CHA-C4A
31	T6	202	PEB	C2B-C1B-CHA-C4A
31	T6	203	PEB	NC-C1C-CHB-C4B
31	T6	203	PEB	C2C-C1C-CHB-C4B
31	T6	203	PEB	C2A-C3A-CAA-CBA
31	T6	203	PEB	C4A-C3A-CAA-CBA
31	T6	203	PEB	NB-C1B-CHA-C4A
31	T6	203	PEB	C2B-C1B-CHA-C4A
31	U6	201	PEB	NC-C1C-CHB-C4B
31	U6	201	PEB	C2A-C3A-CAA-CBA
31	U6	201	PEB	C4A-C3A-CAA-CBA
31	U6	202	PEB	ND-C1D-CHC-C4C
31	U6	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	U6	202	PEB	C2A-C3A-CAA-CBA
31	U6	202	PEB	C4A-C3A-CAA-CBA
31	U6	202	PEB	NB-C1B-CHA-C4A
31	U6	202	PEB	C2B-C1B-CHA-C4A
31	V6	201	PEB	C2A-C3A-CAA-CBA
31	V6	201	PEB	C4A-C3A-CAA-CBA
31	V6	201	PEB	NB-C1B-CHA-C4A
31	V6	201	PEB	C2B-C1B-CHA-C4A
31	V6	202	PEB	ND-C1D-CHC-C4C
31	V6	202	PEB	C2D-C3D-CAD-CBD
31	V6	202	PEB	C4D-C3D-CAD-CBD
31	V6	202	PEB	C2A-C3A-CAA-CBA
31	V6	202	PEB	NB-C1B-CHA-C4A
31	V6	202	PEB	C2B-C1B-CHA-C4A
31	W6	201	PEB	NC-C1C-CHB-C4B
31	W6	201	PEB	C4A-C3A-CAA-CBA
31	W6	201	PEB	NB-C1B-CHA-C4A
31	W6	201	PEB	C2B-C1B-CHA-C4A
31	Y6	201	PEB	NB-C1B-CHA-C4A
31	Y6	201	PEB	C2B-C1B-CHA-C4A
31	Y6	202	PEB	NB-C1B-CHA-C4A
31	Y6	202	PEB	C2B-C1B-CHA-C4A
31	Y6	203	PEB	NC-C1C-CHB-C4B
31	Y6	203	PEB	C2C-C1C-CHB-C4B
31	Y6	203	PEB	C2A-C3A-CAA-CBA
31	Y6	203	PEB	C4A-C3A-CAA-CBA
31	Y6	203	PEB	NB-C1B-CHA-C4A
31	Y6	203	PEB	C2B-C1B-CHA-C4A
31	Z6	201	PEB	C4A-C3A-CAA-CBA
31	Z6	201	PEB	NB-C1B-CHA-C4A
31	Z6	201	PEB	C2B-C1B-CHA-C4A
31	Z6	202	PEB	ND-C1D-CHC-C4C
31	Z6	202	PEB	C2D-C1D-CHC-C4C
31	Z6	202	PEB	NB-C1B-CHA-C4A
31	Z6	202	PEB	C2B-C1B-CHA-C4A
31	i6	201	PEB	C2A-C3A-CAA-CBA
31	i6	201	PEB	C4A-C3A-CAA-CBA
31	i6	201	PEB	NB-C1B-CHA-C4A
31	i6	201	PEB	C2B-C1B-CHA-C4A
31	i6	202	PEB	ND-C1D-CHC-C4C
31	i6	202	PEB	C2D-C1D-CHC-C4C
31	i6	202	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	i6	202	PEB	NB-C1B-CHA-C4A
31	i6	202	PEB	C2B-C1B-CHA-C4A
31	i6	203	PEB	NC-C1C-CHB-C4B
31	i6	203	PEB	C2C-C1C-CHB-C4B
31	i6	203	PEB	NB-C1B-CHA-C4A
31	i6	203	PEB	C2B-C1B-CHA-C4A
31	i6	203	PEB	C2B-C3B-CAB-CBB
31	i6	203	PEB	C4B-C3B-CAB-CBB
31	j6	201	PEB	C4A-C3A-CAA-CBA
31	j6	201	PEB	NB-C1B-CHA-C4A
31	j6	201	PEB	C2B-C1B-CHA-C4A
31	j6	202	PEB	ND-C1D-CHC-C4C
31	j6	202	PEB	C2D-C1D-CHC-C4C
31	j6	202	PEB	NC-C1C-CHB-C4B
31	j6	202	PEB	C2C-C1C-CHB-C4B
31	j6	202	PEB	NB-C1B-CHA-C4A
31	j6	202	PEB	C2B-C1B-CHA-C4A
31	k6	201	PEB	NC-C1C-CHB-C4B
31	k6	201	PEB	C4A-C3A-CAA-CBA
31	k6	201	PEB	NB-C1B-CHA-C4A
31	k6	201	PEB	C2B-C1B-CHA-C4A
31	k6	202	PEB	NC-C1C-CHB-C4B
31	k6	202	PEB	C2A-C3A-CAA-CBA
31	k6	202	PEB	NB-C1B-CHA-C4A
31	k6	202	PEB	C2B-C1B-CHA-C4A
31	k6	203	PEB	C2A-C3A-CAA-CBA
31	k6	203	PEB	C4A-C3A-CAA-CBA
31	k6	203	PEB	NB-C1B-CHA-C4A
31	k6	203	PEB	C2B-C1B-CHA-C4A
31	k6	203	PEB	C4B-C3B-CAB-CBB
31	l6	201	PEB	ND-C1D-CHC-C4C
31	l6	201	PEB	C4A-C3A-CAA-CBA
31	l6	201	PEB	NB-C1B-CHA-C4A
31	l6	201	PEB	C2B-C1B-CHA-C4A
31	l6	202	PEB	ND-C1D-CHC-C4C
31	l6	202	PEB	C2D-C1D-CHC-C4C
31	l6	202	PEB	C4A-C3A-CAA-CBA
31	l6	202	PEB	NB-C1B-CHA-C4A
31	l6	202	PEB	C2B-C1B-CHA-C4A
31	m6	201	PEB	C2A-C3A-CAA-CBA
31	m6	201	PEB	C4A-C3A-CAA-CBA
31	m6	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	m6	201	PEB	C2B-C1B-CHA-C4A
31	m6	202	PEB	NB-C1B-CHA-C4A
31	m6	202	PEB	C2B-C1B-CHA-C4A
31	m6	203	PEB	NC-C1C-CHB-C4B
31	m6	203	PEB	C2C-C1C-CHB-C4B
31	m6	203	PEB	NB-C1B-CHA-C4A
31	m6	203	PEB	C2B-C1B-CHA-C4A
31	m6	203	PEB	C2B-C3B-CAB-CBB
31	m6	203	PEB	C4B-C3B-CAB-CBB
31	a6	201	PEB	NB-C1B-CHA-C4A
31	a6	201	PEB	C2B-C1B-CHA-C4A
31	a6	202	PEB	NB-C1B-CHA-C4A
31	a6	202	PEB	C2B-C1B-CHA-C4A
31	a6	203	PEB	C2C-C1C-CHB-C4B
31	a6	203	PEB	C2A-C3A-CAA-CBA
31	a6	203	PEB	C4A-C3A-CAA-CBA
31	a6	203	PEB	NB-C1B-CHA-C4A
31	a6	203	PEB	C2B-C1B-CHA-C4A
31	b6	201	PEB	C4A-C3A-CAA-CBA
31	b6	201	PEB	NB-C1B-CHA-C4A
31	b6	201	PEB	C2B-C1B-CHA-C4A
31	b6	202	PEB	ND-C1D-CHC-C4C
31	b6	202	PEB	NB-C1B-CHA-C4A
31	b6	202	PEB	C2B-C1B-CHA-C4A
31	c6	201	PEB	NB-C1B-CHA-C4A
31	c6	201	PEB	C2B-C1B-CHA-C4A
31	c6	202	PEB	ND-C1D-CHC-C4C
31	c6	202	PEB	C2D-C1D-CHC-C4C
31	c6	202	PEB	NB-C1B-CHA-C4A
31	c6	202	PEB	C2B-C1B-CHA-C4A
31	c6	203	PEB	C2C-C1C-CHB-C4B
31	c6	203	PEB	NB-C1B-CHA-C4A
31	c6	203	PEB	C2B-C1B-CHA-C4A
31	d6	201	PEB	C2A-C3A-CAA-CBA
31	d6	201	PEB	C4A-C3A-CAA-CBA
31	d6	201	PEB	NB-C1B-CHA-C4A
31	d6	201	PEB	C2B-C1B-CHA-C4A
31	d6	202	PEB	ND-C1D-CHC-C4C
31	d6	202	PEB	C2D-C1D-CHC-C4C
31	d6	202	PEB	NC-C1C-CHB-C4B
31	d6	202	PEB	NB-C1B-CHA-C4A
31	d6	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	e6	201	PEB	NB-C1B-CHA-C4A
31	e6	201	PEB	C2B-C1B-CHA-C4A
31	e6	202	PEB	C2C-CAC-CBC-CGC
31	e6	202	PEB	C2A-C3A-CAA-CBA
31	e6	202	PEB	NB-C1B-CHA-C4A
31	e6	202	PEB	C2B-C1B-CHA-C4A
31	e6	203	PEB	NC-C1C-CHB-C4B
31	e6	203	PEB	C2C-C1C-CHB-C4B
31	e6	203	PEB	NB-C1B-CHA-C4A
31	e6	203	PEB	C2B-C1B-CHA-C4A
31	f6	201	PEB	ND-C1D-CHC-C4C
31	f6	201	PEB	C2D-C1D-CHC-C4C
31	f6	201	PEB	C4A-C3A-CAA-CBA
31	f6	201	PEB	NB-C1B-CHA-C4A
31	f6	201	PEB	C2B-C1B-CHA-C4A
31	f6	202	PEB	ND-C1D-CHC-C4C
31	f6	202	PEB	C4A-C3A-CAA-CBA
31	f6	202	PEB	NB-C1B-CHA-C4A
31	f6	202	PEB	C2B-C1B-CHA-C4A
31	g6	201	PEB	NB-C1B-CHA-C4A
31	g6	201	PEB	C2B-C1B-CHA-C4A
31	g6	202	PEB	ND-C1D-CHC-C4C
31	g6	202	PEB	C2A-C3A-CAA-CBA
31	g6	202	PEB	NB-C1B-CHA-C4A
31	g6	202	PEB	C2B-C1B-CHA-C4A
31	g6	203	PEB	NC-C1C-CHB-C4B
31	g6	203	PEB	C2C-C1C-CHB-C4B
31	g6	203	PEB	NB-C1B-CHA-C4A
31	g6	203	PEB	C2B-C1B-CHA-C4A
31	g6	203	PEB	C2B-C3B-CAB-CBB
31	h6	201	PEB	C4A-C3A-CAA-CBA
31	h6	201	PEB	NB-C1B-CHA-C4A
31	h6	201	PEB	C2B-C1B-CHA-C4A
31	h6	202	PEB	ND-C1D-CHC-C4C
31	h6	202	PEB	NB-C1B-CHA-C4A
31	h6	202	PEB	C2B-C1B-CHA-C4A
31	A7	201	PEB	NB-C1B-CHA-C4A
31	A7	201	PEB	C2B-C1B-CHA-C4A
31	A7	202	PEB	C2C-CAC-CBC-CGC
31	A7	202	PEB	C4A-C3A-CAA-CBA
31	A7	202	PEB	NB-C1B-CHA-C4A
31	A7	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	A7	203	PEB	C2A-C3A-CAA-CBA
31	A7	203	PEB	C4A-C3A-CAA-CBA
31	A7	203	PEB	NB-C1B-CHA-C4A
31	A7	203	PEB	C2B-C1B-CHA-C4A
31	B7	201	PEB	NB-C1B-CHA-C4A
31	B7	201	PEB	C2B-C1B-CHA-C4A
31	B7	202	PEB	ND-C1D-CHC-C4C
31	B7	202	PEB	C2D-C1D-CHC-C4C
31	B7	202	PEB	NC-C1C-CHB-C4B
31	B7	202	PEB	C2C-C1C-CHB-C4B
31	B7	202	PEB	NB-C1B-CHA-C4A
31	B7	202	PEB	C2B-C1B-CHA-C4A
31	C7	201	PEB	ND-C1D-CHC-C4C
31	C7	201	PEB	NB-C1B-CHA-C4A
31	C7	201	PEB	C2B-C1B-CHA-C4A
31	C7	202	PEB	C2A-C3A-CAA-CBA
31	C7	202	PEB	C4A-C3A-CAA-CBA
31	C7	202	PEB	NB-C1B-CHA-C4A
31	C7	202	PEB	C2B-C1B-CHA-C4A
31	C7	203	PEB	C2C-CAC-CBC-CGC
31	C7	203	PEB	C2A-C3A-CAA-CBA
31	C7	203	PEB	C4A-C3A-CAA-CBA
31	C7	203	PEB	NB-C1B-CHA-C4A
31	C7	203	PEB	C2B-C1B-CHA-C4A
31	D7	201	PEB	NB-C1B-CHA-C4A
31	D7	201	PEB	C2B-C1B-CHA-C4A
31	D7	202	PEB	ND-C1D-CHC-C4C
31	D7	202	PEB	C2D-C1D-CHC-C4C
31	D7	202	PEB	NC-C1C-CHB-C4B
31	D7	202	PEB	C2C-C1C-CHB-C4B
31	D7	202	PEB	NB-C1B-CHA-C4A
31	D7	202	PEB	C2B-C1B-CHA-C4A
31	E7	201	PEB	NB-C1B-CHA-C4A
31	E7	201	PEB	C2B-C1B-CHA-C4A
31	E7	202	PEB	C2A-C3A-CAA-CBA
31	E7	202	PEB	C4A-C3A-CAA-CBA
31	E7	202	PEB	NB-C1B-CHA-C4A
31	E7	202	PEB	C2B-C1B-CHA-C4A
31	E7	203	PEB	C2A-C3A-CAA-CBA
31	E7	203	PEB	C4A-C3A-CAA-CBA
31	E7	203	PEB	NB-C1B-CHA-C4A
31	E7	203	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	F7	201	PEB	ND-C1D-CHC-C4C
31	F7	201	PEB	C2D-C1D-CHC-C4C
31	F7	201	PEB	NB-C1B-CHA-C4A
31	F7	201	PEB	C2B-C1B-CHA-C4A
31	F7	202	PEB	NC-C1C-CHB-C4B
31	F7	202	PEB	C2C-C1C-CHB-C4B
31	F7	202	PEB	NB-C1B-CHA-C4A
31	F7	202	PEB	C2B-C1B-CHA-C4A
31	G7	201	PEB	NB-C1B-CHA-C4A
31	G7	201	PEB	C2B-C1B-CHA-C4A
31	G7	202	PEB	NB-C1B-CHA-C4A
31	G7	202	PEB	C2B-C1B-CHA-C4A
31	G7	203	PEB	C2C-CAC-CBC-CGC
31	G7	203	PEB	C2A-C3A-CAA-CBA
31	G7	203	PEB	C4A-C3A-CAA-CBA
31	G7	203	PEB	NB-C1B-CHA-C4A
31	G7	203	PEB	C2B-C1B-CHA-C4A
31	H7	201	PEB	NB-C1B-CHA-C4A
31	H7	201	PEB	C2B-C1B-CHA-C4A
31	H7	202	PEB	ND-C1D-CHC-C4C
31	H7	202	PEB	NC-C1C-CHB-C4B
31	H7	202	PEB	C2C-C1C-CHB-C4B
31	H7	202	PEB	NB-C1B-CHA-C4A
31	H7	202	PEB	C2B-C1B-CHA-C4A
31	I7	201	PEB	NB-C1B-CHA-C4A
31	I7	201	PEB	C2B-C1B-CHA-C4A
31	I7	202	PEB	C2C-CAC-CBC-CGC
31	I7	202	PEB	C2A-C3A-CAA-CBA
31	I7	202	PEB	C4A-C3A-CAA-CBA
31	I7	202	PEB	NB-C1B-CHA-C4A
31	I7	202	PEB	C2B-C1B-CHA-C4A
31	I7	203	PEB	C2A-C3A-CAA-CBA
31	I7	203	PEB	C4A-C3A-CAA-CBA
31	I7	203	PEB	NB-C1B-CHA-C4A
31	I7	203	PEB	C2B-C1B-CHA-C4A
31	J7	201	PEB	NB-C1B-CHA-C4A
31	J7	201	PEB	C2B-C1B-CHA-C4A
31	J7	202	PEB	NB-C1B-CHA-C4A
31	J7	202	PEB	C2B-C1B-CHA-C4A
31	K7	201	PEB	C2A-C3A-CAA-CBA
31	K7	201	PEB	C4A-C3A-CAA-CBA
31	K7	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	K7	201	PEB	C2B-C1B-CHA-C4A
31	K7	202	PEB	NB-C1B-CHA-C4A
31	K7	202	PEB	C2B-C1B-CHA-C4A
31	L7	201	PEB	NB-C1B-CHA-C4A
31	L7	201	PEB	C2B-C1B-CHA-C4A
31	L7	202	PEB	ND-C1D-CHC-C4C
31	L7	202	PEB	NC-C1C-CHB-C4B
31	L7	202	PEB	C2C-C1C-CHB-C4B
31	L7	202	PEB	NB-C1B-CHA-C4A
31	L7	202	PEB	C2B-C1B-CHA-C4A
31	b7	501	PEB	C4A-C3A-CAA-CBA
31	b7	501	PEB	NB-C1B-CHA-C4A
31	b7	501	PEB	C2B-C1B-CHA-C4A
31	b7	502	PEB	NB-C1B-CHA-C4A
31	b7	502	PEB	C2B-C1B-CHA-C4A
31	b7	503	PEB	C4A-C3A-CAA-CBA
31	b7	503	PEB	NB-C1B-CHA-C4A
31	b7	503	PEB	C2B-C1B-CHA-C4A
31	M7	201	PEB	NB-C1B-CHA-C4A
31	M7	201	PEB	C2B-C1B-CHA-C4A
31	M7	202	PEB	C2C-CAC-CBC-CGC
31	M7	202	PEB	C2A-C3A-CAA-CBA
31	M7	202	PEB	C4A-C3A-CAA-CBA
31	M7	202	PEB	NB-C1B-CHA-C4A
31	M7	202	PEB	C2B-C1B-CHA-C4A
31	M7	203	PEB	C2A-C3A-CAA-CBA
31	M7	203	PEB	C4A-C3A-CAA-CBA
31	M7	203	PEB	NB-C1B-CHA-C4A
31	M7	203	PEB	C2B-C1B-CHA-C4A
31	N7	201	PEB	C2C-CAC-CBC-CGC
31	N7	201	PEB	NB-C1B-CHA-C4A
31	N7	201	PEB	C2B-C1B-CHA-C4A
31	N7	202	PEB	ND-C1D-CHC-C4C
31	N7	202	PEB	C2D-C1D-CHC-C4C
31	N7	202	PEB	NC-C1C-CHB-C4B
31	N7	202	PEB	C2C-C1C-CHB-C4B
31	N7	202	PEB	NB-C1B-CHA-C4A
31	N7	202	PEB	C2B-C1B-CHA-C4A
31	O7	201	PEB	ND-C1D-CHC-C4C
31	O7	201	PEB	C2D-C1D-CHC-C4C
31	O7	201	PEB	NB-C1B-CHA-C4A
31	O7	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	O7	202	PEB	NB-C1B-CHA-C4A
31	O7	202	PEB	C2B-C1B-CHA-C4A
31	O7	203	PEB	ND-C1D-CHC-C4C
31	O7	203	PEB	C2D-C1D-CHC-C4C
31	O7	203	PEB	C2C-CAC-CBC-CGC
31	O7	203	PEB	C2A-C3A-CAA-CBA
31	O7	203	PEB	C4A-C3A-CAA-CBA
31	O7	203	PEB	NB-C1B-CHA-C4A
31	O7	203	PEB	C2B-C1B-CHA-C4A
31	P7	201	PEB	NB-C1B-CHA-C4A
31	P7	201	PEB	C2B-C1B-CHA-C4A
31	P7	202	PEB	ND-C1D-CHC-C4C
31	P7	202	PEB	NC-C1C-CHB-C4B
31	P7	202	PEB	C2C-C1C-CHB-C4B
31	P7	202	PEB	NB-C1B-CHA-C4A
31	P7	202	PEB	C2B-C1B-CHA-C4A
31	Q7	201	PEB	NB-C1B-CHA-C4A
31	Q7	201	PEB	C2B-C1B-CHA-C4A
31	Q7	202	PEB	ND-C1D-CHC-C4C
31	Q7	202	PEB	C2D-C1D-CHC-C4C
31	Q7	202	PEB	C2C-CAC-CBC-CGC
31	Q7	202	PEB	C2A-C3A-CAA-CBA
31	Q7	202	PEB	C4A-C3A-CAA-CBA
31	Q7	202	PEB	NB-C1B-CHA-C4A
31	Q7	202	PEB	C2B-C1B-CHA-C4A
31	Q7	203	PEB	ND-C1D-CHC-C4C
31	Q7	203	PEB	C2D-C1D-CHC-C4C
31	Q7	203	PEB	NB-C1B-CHA-C4A
31	Q7	203	PEB	C2B-C1B-CHA-C4A
31	R7	201	PEB	ND-C1D-CHC-C4C
31	R7	201	PEB	C2D-C1D-CHC-C4C
31	R7	201	PEB	NB-C1B-CHA-C4A
31	R7	201	PEB	C2B-C1B-CHA-C4A
31	R7	202	PEB	NC-C1C-CHB-C4B
31	R7	202	PEB	C2C-C1C-CHB-C4B
31	R7	202	PEB	NB-C1B-CHA-C4A
31	R7	202	PEB	C2B-C1B-CHA-C4A
31	S7	201	PEB	ND-C1D-CHC-C4C
31	S7	201	PEB	C2D-C1D-CHC-C4C
31	S7	201	PEB	NB-C1B-CHA-C4A
31	S7	201	PEB	C2B-C1B-CHA-C4A
31	S7	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	S7	202	PEB	C2B-C1B-CHA-C4A
31	S7	203	PEB	C1C-C2C-CAC-CBC
31	S7	203	PEB	C3C-C2C-CAC-CBC
31	S7	203	PEB	C4A-C3A-CAA-CBA
31	S7	203	PEB	NB-C1B-CHA-C4A
31	S7	203	PEB	C2B-C1B-CHA-C4A
31	T7	201	PEB	NB-C1B-CHA-C4A
31	T7	201	PEB	C2B-C1B-CHA-C4A
31	T7	202	PEB	NC-C1C-CHB-C4B
31	T7	202	PEB	C2C-C1C-CHB-C4B
31	T7	202	PEB	NB-C1B-CHA-C4A
31	T7	202	PEB	C2B-C1B-CHA-C4A
31	U7	201	PEB	NB-C1B-CHA-C4A
31	U7	201	PEB	C2B-C1B-CHA-C4A
31	U7	202	PEB	C2C-C1C-CHB-C4B
31	U7	202	PEB	C2C-CAC-CBC-CGC
31	U7	202	PEB	C2A-C3A-CAA-CBA
31	U7	202	PEB	C4A-C3A-CAA-CBA
31	U7	202	PEB	NB-C1B-CHA-C4A
31	U7	202	PEB	C2B-C1B-CHA-C4A
31	U7	203	PEB	NB-C1B-CHA-C4A
31	U7	203	PEB	C2B-C1B-CHA-C4A
31	V7	201	PEB	NB-C1B-CHA-C4A
31	V7	201	PEB	C2B-C1B-CHA-C4A
31	V7	202	PEB	ND-C1D-CHC-C4C
31	V7	202	PEB	C2D-C1D-CHC-C4C
31	V7	202	PEB	NB-C1B-CHA-C4A
31	V7	202	PEB	C2B-C1B-CHA-C4A
31	W7	201	PEB	C2A-C3A-CAA-CBA
31	W7	201	PEB	C4A-C3A-CAA-CBA
31	W7	201	PEB	NB-C1B-CHA-C4A
31	W7	201	PEB	C2B-C1B-CHA-C4A
31	W7	202	PEB	NB-C1B-CHA-C4A
31	W7	202	PEB	C2B-C1B-CHA-C4A
31	X7	201	PEB	NB-C1B-CHA-C4A
31	X7	201	PEB	C2B-C1B-CHA-C4A
31	X7	202	PEB	ND-C1D-CHC-C4C
31	X7	202	PEB	C2D-C1D-CHC-C4C
31	X7	202	PEB	NC-C1C-CHB-C4B
31	X7	202	PEB	C2C-C1C-CHB-C4B
31	X7	202	PEB	NB-C1B-CHA-C4A
31	X7	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	Y7	501	PEB	NB-C1B-CHA-C4A
31	Y7	501	PEB	C2B-C1B-CHA-C4A
31	Y7	502	PEB	NB-C1B-CHA-C4A
31	Y7	502	PEB	C2B-C1B-CHA-C4A
31	Y7	503	PEB	C2A-C3A-CAA-CBA
31	Y7	503	PEB	C4A-C3A-CAA-CBA
31	Y7	503	PEB	NB-C1B-CHA-C4A
31	Y7	503	PEB	C2B-C1B-CHA-C4A
31	Y7	504	PEB	NB-C1B-CHA-C4A
31	Y7	504	PEB	C2B-C1B-CHA-C4A
31	V8	201	PEB	C2A-C3A-CAA-CBA
31	V8	201	PEB	C4A-C3A-CAA-CBA
31	V8	201	PEB	NB-C1B-CHA-C4A
31	V8	201	PEB	C2B-C1B-CHA-C4A
31	V8	202	PEB	ND-C1D-CHC-C4C
31	V8	202	PEB	C2D-C1D-CHC-C4C
31	V8	202	PEB	NC-C1C-CHB-C4B
31	V8	202	PEB	C2C-C1C-CHB-C4B
31	V8	202	PEB	C2C-CAC-CBC-CGC
31	V8	202	PEB	NB-C1B-CHA-C4A
31	V8	202	PEB	C2B-C1B-CHA-C4A
31	W8	201	PEB	C2D-C3D-CAD-CBD
31	W8	201	PEB	C4D-C3D-CAD-CBD
31	W8	201	PEB	NB-C1B-CHA-C4A
31	W8	201	PEB	C2B-C1B-CHA-C4A
31	W8	202	PEB	C2A-C3A-CAA-CBA
31	W8	202	PEB	C4A-C3A-CAA-CBA
31	W8	202	PEB	NB-C1B-CHA-C4A
31	W8	202	PEB	C2B-C1B-CHA-C4A
31	W8	203	PEB	NC-C1C-CHB-C4B
31	W8	203	PEB	C2C-C1C-CHB-C4B
31	W8	203	PEB	C2C-CAC-CBC-CGC
31	W8	203	PEB	C2A-C3A-CAA-CBA
31	W8	203	PEB	NB-C1B-CHA-C4A
31	W8	203	PEB	C2B-C1B-CHA-C4A
31	X8	201	PEB	NB-C1B-CHA-C4A
31	X8	201	PEB	C2B-C1B-CHA-C4A
31	X8	202	PEB	C2A-C3A-CAA-CBA
31	X8	202	PEB	C4A-C3A-CAA-CBA
31	X8	202	PEB	NB-C1B-CHA-C4A
31	X8	202	PEB	C2B-C1B-CHA-C4A
31	X8	203	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	X8	203	PEB	C2D-C1D-CHC-C4C
31	X8	203	PEB	NC-C1C-CHB-C4B
31	X8	203	PEB	C2C-C1C-CHB-C4B
31	X8	203	PEB	C2C-CAC-CBC-CGC
31	X8	203	PEB	NB-C1B-CHA-C4A
31	X8	203	PEB	C2B-C1B-CHA-C4A
31	Y8	201	PEB	ND-C1D-CHC-C4C
31	Y8	201	PEB	NB-C1B-CHA-C4A
31	Y8	201	PEB	C2B-C1B-CHA-C4A
31	Y8	202	PEB	NC-C1C-CHB-C4B
31	Y8	202	PEB	C2C-C1C-CHB-C4B
31	Y8	202	PEB	NB-C1B-CHA-C4A
31	Y8	202	PEB	C2B-C1B-CHA-C4A
31	Y8	203	PEB	NC-C1C-CHB-C4B
31	Y8	203	PEB	C2C-C1C-CHB-C4B
31	Y8	203	PEB	NB-C1B-CHA-C4A
31	Y8	203	PEB	C2B-C1B-CHA-C4A
31	Z8	201	PEB	ND-C1D-CHC-C4C
31	Z8	201	PEB	C2D-C1D-CHC-C4C
31	Z8	201	PEB	NB-C1B-CHA-C4A
31	Z8	201	PEB	C2B-C1B-CHA-C4A
31	Z8	202	PEB	C2D-C1D-CHC-C4C
31	Z8	202	PEB	NC-C1C-CHB-C4B
31	Z8	202	PEB	C2C-C1C-CHB-C4B
31	Z8	202	PEB	NB-C1B-CHA-C4A
31	Z8	202	PEB	C2B-C1B-CHA-C4A
31	A8	201	PEB	ND-C1D-CHC-C4C
31	A8	201	PEB	NB-C1B-CHA-C4A
31	A8	201	PEB	C2B-C1B-CHA-C4A
31	A8	202	PEB	NC-C1C-CHB-C4B
31	A8	202	PEB	C2C-C1C-CHB-C4B
31	A8	202	PEB	C2C-CAC-CBC-CGC
31	A8	202	PEB	C2A-C3A-CAA-CBA
31	A8	202	PEB	C4A-C3A-CAA-CBA
31	A8	202	PEB	NB-C1B-CHA-C4A
31	A8	202	PEB	C2B-C1B-CHA-C4A
31	B8	201	PEB	NC-C1C-CHB-C4B
31	B8	201	PEB	C2C-C1C-CHB-C4B
31	B8	201	PEB	NB-C1B-CHA-C4A
31	B8	201	PEB	C2B-C1B-CHA-C4A
31	B8	202	PEB	ND-C1D-CHC-C4C
31	B8	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	B8	202	PEB	NC-C1C-CHB-C4B
31	B8	202	PEB	C2C-C1C-CHB-C4B
31	B8	202	PEB	C2C-CAC-CBC-CGC
31	B8	202	PEB	C2A-C3A-CAA-CBA
31	B8	202	PEB	C4A-C3A-CAA-CBA
31	B8	202	PEB	NB-C1B-CHA-C4A
31	B8	202	PEB	C2B-C1B-CHA-C4A
31	C8	201	PEB	NB-C1B-CHA-C4A
31	C8	201	PEB	C2B-C1B-CHA-C4A
31	C8	202	PEB	C4A-C3A-CAA-CBA
31	C8	202	PEB	NB-C1B-CHA-C4A
31	C8	202	PEB	C2B-C1B-CHA-C4A
31	C8	203	PEB	NC-C1C-CHB-C4B
31	C8	203	PEB	C2C-C1C-CHB-C4B
31	C8	203	PEB	C2C-CAC-CBC-CGC
31	C8	203	PEB	NB-C1B-CHA-C4A
31	C8	203	PEB	C2B-C1B-CHA-C4A
31	D8	201	PEB	NB-C1B-CHA-C4A
31	D8	201	PEB	C2B-C1B-CHA-C4A
31	D8	202	PEB	ND-C1D-CHC-C4C
31	D8	202	PEB	C2D-C1D-CHC-C4C
31	D8	202	PEB	NC-C1C-CHB-C4B
31	D8	202	PEB	C2C-C1C-CHB-C4B
31	D8	202	PEB	NB-C1B-CHA-C4A
31	D8	202	PEB	C2B-C1B-CHA-C4A
31	D8	203	PEB	C2D-C3D-CAD-CBD
31	D8	203	PEB	C4D-C3D-CAD-CBD
31	D8	203	PEB	C4A-C3A-CAA-CBA
31	D8	203	PEB	NB-C1B-CHA-C4A
31	D8	203	PEB	C2B-C1B-CHA-C4A
31	E8	201	PEB	C2A-C3A-CAA-CBA
31	E8	201	PEB	C4A-C3A-CAA-CBA
31	E8	201	PEB	NB-C1B-CHA-C4A
31	E8	201	PEB	C2B-C1B-CHA-C4A
31	E8	202	PEB	NC-C1C-CHB-C4B
31	E8	202	PEB	C2C-C1C-CHB-C4B
31	E8	202	PEB	C2C-CAC-CBC-CGC
31	E8	202	PEB	NB-C1B-CHA-C4A
31	E8	202	PEB	C2B-C1B-CHA-C4A
31	F8	201	PEB	NB-C1B-CHA-C4A
31	F8	201	PEB	C2B-C1B-CHA-C4A
31	F8	202	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	F8	202	PEB	C2D-C1D-CHC-C4C
31	F8	202	PEB	NC-C1C-CHB-C4B
31	F8	202	PEB	C2C-C1C-CHB-C4B
31	F8	202	PEB	C2C-CAC-CBC-CGC
31	F8	202	PEB	NB-C1B-CHA-C4A
31	F8	202	PEB	C2B-C1B-CHA-C4A
31	G8	201	PEB	C2A-C3A-CAA-CBA
31	G8	201	PEB	C4A-C3A-CAA-CBA
31	G8	201	PEB	NB-C1B-CHA-C4A
31	G8	201	PEB	C2B-C1B-CHA-C4A
31	G8	202	PEB	C2A-C3A-CAA-CBA
31	G8	202	PEB	C4A-C3A-CAA-CBA
31	G8	202	PEB	NB-C1B-CHA-C4A
31	G8	202	PEB	C2B-C1B-CHA-C4A
31	G8	203	PEB	C2C-CAC-CBC-CGC
31	G8	203	PEB	NB-C1B-CHA-C4A
31	G8	203	PEB	C2B-C1B-CHA-C4A
31	H8	201	PEB	C2A-C3A-CAA-CBA
31	H8	201	PEB	C4A-C3A-CAA-CBA
31	H8	201	PEB	NB-C1B-CHA-C4A
31	H8	201	PEB	C2B-C1B-CHA-C4A
31	H8	202	PEB	ND-C1D-CHC-C4C
31	H8	202	PEB	C2D-C1D-CHC-C4C
31	H8	202	PEB	NC-C1C-CHB-C4B
31	H8	202	PEB	C2C-C1C-CHB-C4B
31	H8	202	PEB	C2C-CAC-CBC-CGC
31	H8	202	PEB	NB-C1B-CHA-C4A
31	H8	202	PEB	C2B-C1B-CHA-C4A
31	I8	201	PEB	C4A-C3A-CAA-CBA
31	I8	201	PEB	NB-C1B-CHA-C4A
31	I8	201	PEB	C2B-C1B-CHA-C4A
31	I8	202	PEB	C2C-CAC-CBC-CGC
31	I8	202	PEB	C2A-C3A-CAA-CBA
31	I8	202	PEB	C4A-C3A-CAA-CBA
31	I8	202	PEB	C3A-C4A-CHA-C1B
31	I8	202	PEB	NB-C1B-CHA-C4A
31	I8	202	PEB	C2B-C1B-CHA-C4A
31	I8	203	PEB	C4A-C3A-CAA-CBA
31	I8	203	PEB	NB-C1B-CHA-C4A
31	I8	203	PEB	C2B-C1B-CHA-C4A
31	J8	201	PEB	C2A-C3A-CAA-CBA
31	J8	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	J8	201	PEB	C2B-C1B-CHA-C4A
31	J8	202	PEB	ND-C1D-CHC-C4C
31	J8	202	PEB	C2D-C1D-CHC-C4C
31	J8	202	PEB	NC-C1C-CHB-C4B
31	J8	202	PEB	C2C-C1C-CHB-C4B
31	J8	202	PEB	C4A-C3A-CAA-CBA
31	J8	202	PEB	NB-C1B-CHA-C4A
31	J8	202	PEB	C2B-C1B-CHA-C4A
31	K8	201	PEB	C4A-C3A-CAA-CBA
31	K8	201	PEB	NB-C1B-CHA-C4A
31	K8	201	PEB	C2B-C1B-CHA-C4A
31	K8	202	PEB	NB-C1B-CHA-C4A
31	K8	202	PEB	C2B-C1B-CHA-C4A
31	K8	203	PEB	C2C-CAC-CBC-CGC
31	K8	203	PEB	NB-C1B-CHA-C4A
31	K8	203	PEB	C2B-C1B-CHA-C4A
31	L8	201	PEB	C2A-C3A-CAA-CBA
31	L8	201	PEB	C4A-C3A-CAA-CBA
31	L8	201	PEB	NB-C1B-CHA-C4A
31	L8	201	PEB	C2B-C1B-CHA-C4A
31	L8	202	PEB	ND-C1D-CHC-C4C
31	L8	202	PEB	C2D-C1D-CHC-C4C
31	L8	202	PEB	NC-C1C-CHB-C4B
31	L8	202	PEB	C2C-C1C-CHB-C4B
31	L8	202	PEB	C1C-C2C-CAC-CBC
31	L8	202	PEB	C3C-C2C-CAC-CBC
31	L8	202	PEB	NB-C1B-CHA-C4A
31	L8	202	PEB	C2B-C1B-CHA-C4A
31	M8	201	PEB	ND-C1D-CHC-C4C
31	M8	201	PEB	C2D-C1D-CHC-C4C
31	M8	201	PEB	NB-C1B-CHA-C4A
31	M8	201	PEB	C2B-C1B-CHA-C4A
31	M8	202	PEB	NC-C1C-CHB-C4B
31	M8	202	PEB	C2C-C1C-CHB-C4B
31	M8	202	PEB	C2C-CAC-CBC-CGC
31	M8	202	PEB	NB-C1B-CHA-C4A
31	M8	202	PEB	C2B-C1B-CHA-C4A
31	M8	203	PEB	C4A-C3A-CAA-CBA
31	M8	203	PEB	NB-C1B-CHA-C4A
31	M8	203	PEB	C2B-C1B-CHA-C4A
31	N8	201	PEB	NB-C1B-CHA-C4A
31	N8	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	N8	202	PEB	ND-C1D-CHC-C4C
31	N8	202	PEB	NC-C1C-CHB-C4B
31	N8	202	PEB	C2C-C1C-CHB-C4B
31	N8	202	PEB	NB-C1B-CHA-C4A
31	N8	202	PEB	C2B-C1B-CHA-C4A
31	O8	201	PEB	NB-C1B-CHA-C4A
31	O8	201	PEB	C2B-C1B-CHA-C4A
31	O8	202	PEB	ND-C1D-CHC-C4C
31	O8	202	PEB	NB-C1B-CHA-C4A
31	O8	202	PEB	C2B-C1B-CHA-C4A
31	O8	203	PEB	NC-C1C-CHB-C4B
31	O8	203	PEB	C2C-C1C-CHB-C4B
31	O8	203	PEB	NB-C1B-CHA-C4A
31	O8	203	PEB	C2B-C1B-CHA-C4A
31	P8	201	PEB	NB-C1B-CHA-C4A
31	P8	201	PEB	C2B-C1B-CHA-C4A
31	P8	202	PEB	ND-C1D-CHC-C4C
31	P8	202	PEB	NC-C1C-CHB-C4B
31	P8	202	PEB	C2C-C1C-CHB-C4B
31	P8	202	PEB	C2C-CAC-CBC-CGC
31	P8	202	PEB	NB-C1B-CHA-C4A
31	P8	202	PEB	C2B-C1B-CHA-C4A
31	Q8	201	PEB	C2A-C3A-CAA-CBA
31	Q8	201	PEB	C4A-C3A-CAA-CBA
31	Q8	201	PEB	NB-C1B-CHA-C4A
31	Q8	201	PEB	C2B-C1B-CHA-C4A
31	Q8	202	PEB	C2C-CAC-CBC-CGC
31	Q8	202	PEB	NB-C1B-CHA-C4A
31	Q8	202	PEB	C2B-C1B-CHA-C4A
31	Q8	203	PEB	NB-C1B-CHA-C4A
31	Q8	203	PEB	C2B-C1B-CHA-C4A
31	R8	201	PEB	NB-C1B-CHA-C4A
31	R8	201	PEB	C2B-C1B-CHA-C4A
31	R8	202	PEB	ND-C1D-CHC-C4C
31	R8	202	PEB	C2D-C1D-CHC-C4C
31	R8	202	PEB	NC-C1C-CHB-C4B
31	R8	202	PEB	C2C-C1C-CHB-C4B
31	R8	202	PEB	C2A-C3A-CAA-CBA
31	R8	202	PEB	C4A-C3A-CAA-CBA
31	R8	202	PEB	NB-C1B-CHA-C4A
31	R8	202	PEB	C2B-C1B-CHA-C4A
31	S8	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	S8	201	PEB	C4A-C3A-CAA-CBA
31	S8	201	PEB	NB-C1B-CHA-C4A
31	S8	201	PEB	C2B-C1B-CHA-C4A
31	S8	202	PEB	NB-C1B-CHA-C4A
31	S8	203	PEB	NC-C1C-CHB-C4B
31	S8	203	PEB	C2C-C1C-CHB-C4B
31	S8	203	PEB	C2C-CAC-CBC-CGC
31	S8	203	PEB	NB-C1B-CHA-C4A
31	S8	203	PEB	C2B-C1B-CHA-C4A
31	T8	201	PEB	NB-C1B-CHA-C4A
31	T8	201	PEB	C2B-C1B-CHA-C4A
31	T8	202	PEB	ND-C1D-CHC-C4C
31	T8	202	PEB	C2D-C1D-CHC-C4C
31	T8	202	PEB	NC-C1C-CHB-C4B
31	T8	202	PEB	C2C-C1C-CHB-C4B
31	T8	202	PEB	C2D-C3D-CAD-CBD
31	T8	202	PEB	C4D-C3D-CAD-CBD
31	T8	202	PEB	C4A-C3A-CAA-CBA
31	T8	202	PEB	NB-C1B-CHA-C4A
31	T8	202	PEB	C2B-C1B-CHA-C4A
31	U8	201	PEB	C4A-C3A-CAA-CBA
31	U8	201	PEB	NB-C1B-CHA-C4A
31	U8	201	PEB	C2B-C1B-CHA-C4A
31	U8	202	PEB	C2C-CAC-CBC-CGC
31	U8	202	PEB	C2A-C3A-CAA-CBA
31	U8	202	PEB	NB-C1B-CHA-C4A
31	U8	202	PEB	C2B-C1B-CHA-C4A
31	a8	201	PEB	C2A-C3A-CAA-CBA
31	a8	201	PEB	C4A-C3A-CAA-CBA
31	a8	201	PEB	NB-C1B-CHA-C4A
31	a8	201	PEB	C2B-C1B-CHA-C4A
31	a8	202	PEB	C2A-C3A-CAA-CBA
31	a8	202	PEB	C4A-C3A-CAA-CBA
31	a8	202	PEB	NB-C1B-CHA-C4A
31	a8	202	PEB	C2B-C1B-CHA-C4A
31	a8	203	PEB	NC-C1C-CHB-C4B
31	a8	203	PEB	C2C-C1C-CHB-C4B
31	a8	203	PEB	C2C-CAC-CBC-CGC
31	a8	203	PEB	C2A-C3A-CAA-CBA
31	a8	203	PEB	NB-C1B-CHA-C4A
31	a8	203	PEB	C2B-C1B-CHA-C4A
31	b8	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	b8	201	PEB	C4A-C3A-CAA-CBA
31	b8	201	PEB	NB-C1B-CHA-C4A
31	b8	201	PEB	C2B-C1B-CHA-C4A
31	b8	202	PEB	ND-C1D-CHC-C4C
31	b8	202	PEB	NC-C1C-CHB-C4B
31	b8	202	PEB	C2C-C1C-CHB-C4B
31	b8	202	PEB	NB-C1B-CHA-C4A
31	b8	202	PEB	C2B-C1B-CHA-C4A
31	c8	201	PEB	ND-C1D-CHC-C4C
31	c8	201	PEB	C2D-C1D-CHC-C4C
31	c8	201	PEB	NB-C1B-CHA-C4A
31	c8	201	PEB	C2B-C1B-CHA-C4A
31	c8	202	PEB	NC-C1C-CHB-C4B
31	c8	202	PEB	C2C-C1C-CHB-C4B
31	c8	202	PEB	C2C-CAC-CBC-CGC
31	c8	202	PEB	NB-C1B-CHA-C4A
31	c8	202	PEB	C2B-C1B-CHA-C4A
31	c8	203	PEB	C2A-C3A-CAA-CBA
31	c8	203	PEB	NB-C1B-CHA-C4A
31	c8	203	PEB	C2B-C1B-CHA-C4A
31	d8	201	PEB	NC-C1C-CHB-C4B
31	d8	201	PEB	NB-C1B-CHA-C4A
31	d8	201	PEB	C2B-C1B-CHA-C4A
31	d8	202	PEB	ND-C1D-CHC-C4C
31	d8	202	PEB	C2D-C1D-CHC-C4C
31	d8	202	PEB	NC-C1C-CHB-C4B
31	d8	202	PEB	C2C-C1C-CHB-C4B
31	d8	202	PEB	NB-C1B-CHA-C4A
31	d8	202	PEB	C2B-C1B-CHA-C4A
31	e8	201	PEB	NC-C1C-CHB-C4B
31	e8	201	PEB	C2C-C1C-CHB-C4B
31	e8	201	PEB	C2C-CAC-CBC-CGC
31	e8	201	PEB	NB-C1B-CHA-C4A
31	e8	201	PEB	C2B-C1B-CHA-C4A
31	e8	202	PEB	ND-C1D-CHC-C4C
31	e8	202	PEB	C2D-C1D-CHC-C4C
31	e8	202	PEB	C4A-C3A-CAA-CBA
31	e8	202	PEB	NB-C1B-CHA-C4A
31	e8	202	PEB	C2B-C1B-CHA-C4A
31	e8	203	PEB	NC-C1C-CHB-C4B
31	e8	203	PEB	C2C-C1C-CHB-C4B
31	e8	203	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	e8	203	PEB	NB-C1B-CHA-C4A
31	e8	203	PEB	C2B-C1B-CHA-C4A
31	f8	201	PEB	NC-C1C-CHB-C4B
31	f8	201	PEB	C4A-C3A-CAA-CBA
31	f8	201	PEB	NB-C1B-CHA-C4A
31	f8	201	PEB	C2B-C1B-CHA-C4A
31	f8	202	PEB	ND-C1D-CHC-C4C
31	f8	202	PEB	NC-C1C-CHB-C4B
31	f8	202	PEB	C2C-C1C-CHB-C4B
31	f8	202	PEB	NB-C1B-CHA-C4A
31	f8	202	PEB	C2B-C1B-CHA-C4A
31	g8	201	PEB	NB-C1B-CHA-C4A
31	g8	202	PEB	NC-C1C-CHB-C4B
31	g8	202	PEB	C2C-C1C-CHB-C4B
31	g8	202	PEB	NB-C1B-CHA-C4A
31	g8	202	PEB	C2B-C1B-CHA-C4A
31	g8	203	PEB	NC-C1C-CHB-C4B
31	g8	203	PEB	C2A-C3A-CAA-CBA
31	g8	203	PEB	NB-C1B-CHA-C4A
31	g8	203	PEB	C2B-C1B-CHA-C4A
31	h8	201	PEB	NC-C1C-CHB-C4B
31	h8	201	PEB	C2C-C1C-CHB-C4B
31	h8	201	PEB	NB-C1B-CHA-C4A
31	h8	201	PEB	C2B-C1B-CHA-C4A
31	h8	202	PEB	ND-C1D-CHC-C4C
31	h8	202	PEB	C2D-C1D-CHC-C4C
31	h8	202	PEB	NC-C1C-CHB-C4B
31	h8	202	PEB	C2C-C1C-CHB-C4B
31	h8	202	PEB	NB-C1B-CHA-C4A
31	h8	202	PEB	C2B-C1B-CHA-C4A
31	i8	201	PEB	NC-C1C-CHB-C4B
31	i8	201	PEB	C2C-C1C-CHB-C4B
31	i8	201	PEB	C4A-C3A-CAA-CBA
31	i8	201	PEB	NB-C1B-CHA-C4A
31	i8	201	PEB	C2B-C1B-CHA-C4A
31	i8	202	PEB	ND-C1D-CHC-C4C
31	i8	202	PEB	C2D-C1D-CHC-C4C
31	i8	202	PEB	NC-C1C-CHB-C4B
31	i8	202	PEB	C2C-C1C-CHB-C4B
31	i8	202	PEB	C4A-C3A-CAA-CBA
31	i8	202	PEB	NB-C1B-CHA-C4A
31	i8	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	i8	203	PEB	NC-C1C-CHB-C4B
31	i8	203	PEB	C2C-C1C-CHB-C4B
31	i8	203	PEB	C4A-C3A-CAA-CBA
31	i8	203	PEB	NB-C1B-CHA-C4A
31	i8	203	PEB	C2B-C1B-CHA-C4A
31	j8	201	PEB	NB-C1B-CHA-C4A
31	j8	202	PEB	ND-C1D-CHC-C4C
31	j8	202	PEB	C2D-C1D-CHC-C4C
31	j8	202	PEB	NC-C1C-CHB-C4B
31	j8	202	PEB	C2C-C1C-CHB-C4B
31	j8	202	PEB	NB-C1B-CHA-C4A
31	j8	202	PEB	C2B-C1B-CHA-C4A
31	k8	201	PEB	ND-C1D-CHC-C4C
31	k8	201	PEB	NC-C1C-CHB-C4B
31	k8	201	PEB	C2C-C1C-CHB-C4B
31	k8	201	PEB	C4A-C3A-CAA-CBA
31	k8	201	PEB	NB-C1B-CHA-C4A
31	k8	201	PEB	C2B-C1B-CHA-C4A
31	k8	201	PEB	C3B-CAB-CBB-CGB
31	k8	202	PEB	NC-C1C-CHB-C4B
31	k8	202	PEB	C2C-C1C-CHB-C4B
31	k8	202	PEB	C2C-CAC-CBC-CGC
31	k8	202	PEB	C2A-C3A-CAA-CBA
31	k8	202	PEB	NB-C1B-CHA-C4A
31	k8	202	PEB	C2B-C1B-CHA-C4A
31	k8	203	PEB	C2A-C3A-CAA-CBA
31	k8	203	PEB	C4A-C3A-CAA-CBA
31	k8	203	PEB	NB-C1B-CHA-C4A
31	k8	203	PEB	C2B-C1B-CHA-C4A
31	l8	201	PEB	C2A-C3A-CAA-CBA
31	l8	201	PEB	C4A-C3A-CAA-CBA
31	l8	201	PEB	NB-C1B-CHA-C4A
31	l8	201	PEB	C2B-C1B-CHA-C4A
31	l8	202	PEB	ND-C1D-CHC-C4C
31	l8	202	PEB	C2D-C1D-CHC-C4C
31	l8	202	PEB	NC-C1C-CHB-C4B
31	l8	202	PEB	C2C-C1C-CHB-C4B
31	l8	202	PEB	NB-C1B-CHA-C4A
31	l8	202	PEB	C2B-C1B-CHA-C4A
31	l8	203	PEB	C2C-CAC-CBC-CGC
31	l8	203	PEB	C2A-C3A-CAA-CBA
31	l8	203	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	l8	203	PEB	NB-C1B-CHA-C4A
31	l8	203	PEB	C2B-C1B-CHA-C4A
31	m8	201	PEB	NC-C1C-CHB-C4B
31	m8	201	PEB	C2C-C1C-CHB-C4B
31	m8	201	PEB	NB-C1B-CHA-C4A
31	m8	201	PEB	C2B-C1B-CHA-C4A
31	m8	202	PEB	C2A-C3A-CAA-CBA
31	m8	202	PEB	C4A-C3A-CAA-CBA
31	m8	202	PEB	NB-C1B-CHA-C4A
31	m8	202	PEB	C2B-C1B-CHA-C4A
31	m8	202	PEB	C3B-CAB-CBB-CGB
31	n8	201	PEB	NB-C1B-CHA-C4A
31	n8	201	PEB	C2B-C1B-CHA-C4A
31	n8	202	PEB	ND-C1D-CHC-C4C
31	n8	202	PEB	C2D-C1D-CHC-C4C
31	n8	202	PEB	NC-C1C-CHB-C4B
31	n8	202	PEB	C2C-C1C-CHB-C4B
31	n8	202	PEB	C2C-CAC-CBC-CGC
31	n8	202	PEB	NB-C1B-CHA-C4A
31	n8	202	PEB	C2B-C1B-CHA-C4A
31	o8	201	PEB	ND-C1D-CHC-C4C
31	o8	201	PEB	C2D-C1D-CHC-C4C
31	o8	201	PEB	NC-C1C-CHB-C4B
31	o8	201	PEB	C2C-C1C-CHB-C4B
31	o8	201	PEB	C2A-C3A-CAA-CBA
31	o8	201	PEB	C4A-C3A-CAA-CBA
31	o8	201	PEB	NB-C1B-CHA-C4A
31	o8	201	PEB	C2B-C1B-CHA-C4A
31	o8	202	PEB	NB-C1B-CHA-C4A
31	o8	202	PEB	C2B-C1B-CHA-C4A
31	o8	203	PEB	ND-C1D-CHC-C4C
31	o8	203	PEB	NC-C1C-CHB-C4B
31	o8	203	PEB	C2C-C1C-CHB-C4B
31	o8	203	PEB	C2D-C3D-CAD-CBD
31	o8	203	PEB	C4D-C3D-CAD-CBD
31	o8	203	PEB	C2A-C3A-CAA-CBA
31	o8	203	PEB	C4A-C3A-CAA-CBA
31	o8	203	PEB	NB-C1B-CHA-C4A
31	o8	203	PEB	C2B-C1B-CHA-C4A
31	p8	201	PEB	NC-C1C-CHB-C4B
31	p8	201	PEB	C2C-C1C-CHB-C4B
31	p8	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	p8	201	PEB	C4A-C3A-CAA-CBA
31	p8	201	PEB	NB-C1B-CHA-C4A
31	p8	201	PEB	C2B-C1B-CHA-C4A
31	p8	202	PEB	ND-C1D-CHC-C4C
31	p8	202	PEB	C2D-C1D-CHC-C4C
31	p8	202	PEB	NC-C1C-CHB-C4B
31	p8	202	PEB	C2C-C1C-CHB-C4B
31	p8	202	PEB	NB-C1B-CHA-C4A
31	p8	202	PEB	C2B-C1B-CHA-C4A
31	q8	201	PEB	NC-C1C-CHB-C4B
31	q8	201	PEB	C2A-C3A-CAA-CBA
31	q8	201	PEB	C4A-C3A-CAA-CBA
31	q8	201	PEB	NB-C1B-CHA-C4A
31	q8	201	PEB	C2B-C1B-CHA-C4A
31	q8	202	PEB	C1C-C2C-CAC-CBC
31	q8	202	PEB	C3C-C2C-CAC-CBC
31	q8	202	PEB	C4A-C3A-CAA-CBA
31	q8	202	PEB	NB-C1B-CHA-C4A
31	q8	202	PEB	C2B-C1B-CHA-C4A
31	q8	203	PEB	NC-C1C-CHB-C4B
31	q8	203	PEB	C2C-C1C-CHB-C4B
31	q8	203	PEB	C4A-C3A-CAA-CBA
31	q8	203	PEB	NB-C1B-CHA-C4A
31	q8	203	PEB	C2B-C1B-CHA-C4A
31	r8	201	PEB	ND-C1D-CHC-C4C
31	r8	201	PEB	C2D-C1D-CHC-C4C
31	r8	201	PEB	C2A-C3A-CAA-CBA
31	r8	201	PEB	C4A-C3A-CAA-CBA
31	r8	201	PEB	NB-C1B-CHA-C4A
31	r8	201	PEB	C2B-C1B-CHA-C4A
31	r8	202	PEB	ND-C1D-CHC-C4C
31	r8	202	PEB	C2D-C1D-CHC-C4C
31	r8	202	PEB	NC-C1C-CHB-C4B
31	r8	202	PEB	C2C-C1C-CHB-C4B
31	r8	202	PEB	NB-C1B-CHA-C4A
31	r8	202	PEB	C2B-C1B-CHA-C4A
31	s8	201	PEB	ND-C1D-CHC-C4C
31	s8	201	PEB	C2D-C1D-CHC-C4C
31	s8	201	PEB	C2C-CAC-CBC-CGC
31	s8	201	PEB	C4A-C3A-CAA-CBA
31	s8	201	PEB	NB-C1B-CHA-C4A
31	s8	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	s8	202	PEB	NC-C1C-CHB-C4B
31	s8	202	PEB	C2C-C1C-CHB-C4B
31	s8	202	PEB	C2C-CAC-CBC-CGC
31	s8	202	PEB	NB-C1B-CHA-C4A
31	s8	202	PEB	C2B-C1B-CHA-C4A
31	s8	203	PEB	NB-C1B-CHA-C4A
31	s8	203	PEB	C2B-C1B-CHA-C4A
31	t8	201	PEB	NC-C1C-CHB-C4B
31	t8	201	PEB	C2C-C1C-CHB-C4B
31	t8	201	PEB	NB-C1B-CHA-C4A
31	t8	201	PEB	C2B-C1B-CHA-C4A
31	t8	202	PEB	ND-C1D-CHC-C4C
31	t8	202	PEB	C2D-C1D-CHC-C4C
31	t8	202	PEB	C1C-C2C-CAC-CBC
31	t8	202	PEB	C3C-C2C-CAC-CBC
31	t8	202	PEB	NB-C1B-CHA-C4A
31	t8	202	PEB	C2B-C1B-CHA-C4A
31	t8	202	PEB	C3B-CAB-CBB-CGB
31	t8	203	PEB	NC-C1C-CHB-C4B
31	t8	203	PEB	C2C-C1C-CHB-C4B
31	t8	203	PEB	C4A-C3A-CAA-CBA
31	t8	203	PEB	NB-C1B-CHA-C4A
31	t8	203	PEB	C2B-C1B-CHA-C4A
31	u8	201	PEB	ND-C1D-CHC-C4C
31	u8	201	PEB	C2A-C3A-CAA-CBA
31	u8	201	PEB	C4A-C3A-CAA-CBA
31	u8	201	PEB	NB-C1B-CHA-C4A
31	u8	201	PEB	C2B-C1B-CHA-C4A
31	u8	202	PEB	NC-C1C-CHB-C4B
31	u8	202	PEB	C2C-C1C-CHB-C4B
31	u8	202	PEB	NB-C1B-CHA-C4A
31	u8	202	PEB	C2B-C1B-CHA-C4A
31	v8	201	PEB	NC-C1C-CHB-C4B
31	v8	201	PEB	C2C-C1C-CHB-C4B
31	v8	201	PEB	NB-C1B-CHA-C4A
31	v8	201	PEB	C2B-C1B-CHA-C4A
31	v8	202	PEB	ND-C1D-CHC-C4C
31	v8	202	PEB	NC-C1C-CHB-C4B
31	v8	202	PEB	C2C-C1C-CHB-C4B
31	v8	202	PEB	NB-C1B-CHA-C4A
31	v8	202	PEB	C2B-C1B-CHA-C4A
31	w8	301	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	w8	301	PEB	C2C-C1C-CHB-C4B
31	w8	301	PEB	C2A-C3A-CAA-CBA
31	w8	301	PEB	NB-C1B-CHA-C4A
31	w8	301	PEB	C2B-C1B-CHA-C4A
31	w8	302	PEB	C2A-C3A-CAA-CBA
31	w8	302	PEB	C4A-C3A-CAA-CBA
31	w8	302	PEB	NB-C1B-CHA-C4A
31	w8	302	PEB	C2B-C1B-CHA-C4A
31	w8	303	PEB	NB-C1B-CHA-C4A
31	w8	303	PEB	C2B-C1B-CHA-C4A
31	x8	302	PEB	ND-C1D-CHC-C4C
31	x8	302	PEB	C2D-C1D-CHC-C4C
31	x8	302	PEB	NC-C1C-CHB-C4B
31	x8	302	PEB	C2C-C1C-CHB-C4B
31	x8	302	PEB	NB-C1B-CHA-C4A
31	x8	302	PEB	C2B-C1B-CHA-C4A
31	x8	303	PEB	ND-C1D-CHC-C4C
31	x8	303	PEB	C4A-C3A-CAA-CBA
31	x8	303	PEB	NB-C1B-CHA-C4A
31	x8	303	PEB	C2B-C1B-CHA-C4A
31	x8	304	PEB	NC-C1C-CHB-C4B
31	x8	304	PEB	C2C-C1C-CHB-C4B
31	x8	304	PEB	NB-C1B-CHA-C4A
31	x8	304	PEB	C2B-C1B-CHA-C4A
31	y8	301	PEB	C4A-C3A-CAA-CBA
31	y8	301	PEB	NB-C1B-CHA-C4A
31	y8	301	PEB	C2B-C1B-CHA-C4A
31	z8	501	PEB	C4A-C3A-CAA-CBA
31	z8	501	PEB	NB-C1B-CHA-C4A
31	z8	501	PEB	C2B-C1B-CHA-C4A
31	A9	201	PEB	ND-C1D-CHC-C4C
31	A9	201	PEB	C2D-C1D-CHC-C4C
31	A9	201	PEB	C2A-C3A-CAA-CBA
31	A9	201	PEB	NB-C1B-CHA-C4A
31	A9	201	PEB	C2B-C1B-CHA-C4A
31	A9	202	PEB	NC-C1C-CHB-C4B
31	A9	202	PEB	C2C-C1C-CHB-C4B
31	A9	202	PEB	NB-C1B-CHA-C4A
31	A9	202	PEB	C2B-C1B-CHA-C4A
31	B9	201	PEB	ND-C1D-CHC-C4C
31	B9	201	PEB	C2C-CAC-CBC-CGC
31	B9	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	B9	201	PEB	C2B-C1B-CHA-C4A
31	B9	202	PEB	NC-C1C-CHB-C4B
31	B9	202	PEB	C2C-C1C-CHB-C4B
31	B9	202	PEB	C4A-C3A-CAA-CBA
31	B9	202	PEB	NB-C1B-CHA-C4A
31	B9	202	PEB	C2B-C1B-CHA-C4A
31	B9	203	PEB	ND-C1D-CHC-C4C
31	B9	203	PEB	NC-C1C-CHB-C4B
31	B9	203	PEB	C2C-C1C-CHB-C4B
31	B9	203	PEB	NB-C1B-CHA-C4A
31	B9	203	PEB	C2B-C1B-CHA-C4A
31	C9	201	PEB	ND-C1D-CHC-C4C
31	C9	201	PEB	C2D-C1D-CHC-C4C
31	C9	201	PEB	C2A-C3A-CAA-CBA
31	C9	201	PEB	NB-C1B-CHA-C4A
31	C9	201	PEB	C2B-C1B-CHA-C4A
31	C9	202	PEB	NC-C1C-CHB-C4B
31	C9	202	PEB	C2C-C1C-CHB-C4B
31	C9	202	PEB	NB-C1B-CHA-C4A
31	C9	202	PEB	C2B-C1B-CHA-C4A
31	D9	201	PEB	ND-C1D-CHC-C4C
31	D9	201	PEB	NB-C1B-CHA-C4A
31	D9	201	PEB	C2B-C1B-CHA-C4A
31	D9	202	PEB	NC-C1C-CHB-C4B
31	D9	202	PEB	C2C-C1C-CHB-C4B
31	D9	202	PEB	C2A-C3A-CAA-CBA
31	D9	202	PEB	C4A-C3A-CAA-CBA
31	D9	202	PEB	NB-C1B-CHA-C4A
31	D9	202	PEB	C2B-C1B-CHA-C4A
31	D9	203	PEB	ND-C1D-CHC-C4C
31	D9	203	PEB	C2D-C1D-CHC-C4C
31	D9	203	PEB	NC-C1C-CHB-C4B
31	D9	203	PEB	C2C-C1C-CHB-C4B
31	D9	203	PEB	NB-C1B-CHA-C4A
31	D9	203	PEB	C2B-C1B-CHA-C4A
31	E9	201	PEB	ND-C1D-CHC-C4C
31	E9	201	PEB	C2D-C1D-CHC-C4C
31	E9	201	PEB	C2A-C3A-CAA-CBA
31	E9	201	PEB	NB-C1B-CHA-C4A
31	E9	201	PEB	C2B-C1B-CHA-C4A
31	E9	202	PEB	NC-C1C-CHB-C4B
31	E9	202	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	E9	202	PEB	NB-C1B-CHA-C4A
31	E9	202	PEB	C2B-C1B-CHA-C4A
31	F9	201	PEB	ND-C1D-CHC-C4C
31	F9	201	PEB	C2D-C1D-CHC-C4C
31	F9	201	PEB	C2C-CAC-CBC-CGC
31	F9	201	PEB	C4A-C3A-CAA-CBA
31	F9	201	PEB	NB-C1B-CHA-C4A
31	F9	201	PEB	C2B-C1B-CHA-C4A
31	F9	202	PEB	NC-C1C-CHB-C4B
31	F9	202	PEB	C2C-C1C-CHB-C4B
31	F9	202	PEB	C2A-C3A-CAA-CBA
31	F9	202	PEB	C4A-C3A-CAA-CBA
31	F9	202	PEB	NB-C1B-CHA-C4A
31	F9	202	PEB	C2B-C1B-CHA-C4A
31	F9	203	PEB	ND-C1D-CHC-C4C
31	F9	203	PEB	NC-C1C-CHB-C4B
31	F9	203	PEB	C2C-C1C-CHB-C4B
31	F9	203	PEB	NB-C1B-CHA-C4A
31	F9	203	PEB	C2B-C1B-CHA-C4A
31	G9	201	PEB	ND-C1D-CHC-C4C
31	G9	201	PEB	C2D-C1D-CHC-C4C
31	G9	201	PEB	C2A-C3A-CAA-CBA
31	G9	201	PEB	NB-C1B-CHA-C4A
31	G9	201	PEB	C2B-C1B-CHA-C4A
31	G9	202	PEB	NC-C1C-CHB-C4B
31	G9	202	PEB	C2C-C1C-CHB-C4B
31	G9	202	PEB	NB-C1B-CHA-C4A
31	G9	202	PEB	C2B-C1B-CHA-C4A
31	H9	201	PEB	ND-C1D-CHC-C4C
31	H9	201	PEB	C2D-C1D-CHC-C4C
31	H9	201	PEB	C2C-CAC-CBC-CGC
31	H9	201	PEB	NB-C1B-CHA-C4A
31	H9	201	PEB	C2B-C1B-CHA-C4A
31	H9	202	PEB	NC-C1C-CHB-C4B
31	H9	202	PEB	C2C-C1C-CHB-C4B
31	H9	202	PEB	C4A-C3A-CAA-CBA
31	H9	202	PEB	NB-C1B-CHA-C4A
31	H9	202	PEB	C2B-C1B-CHA-C4A
31	H9	203	PEB	ND-C1D-CHC-C4C
31	H9	203	PEB	C2D-C1D-CHC-C4C
31	H9	203	PEB	NC-C1C-CHB-C4B
31	H9	203	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	H9	203	PEB	NB-C1B-CHA-C4A
31	H9	203	PEB	C2B-C1B-CHA-C4A
31	I9	201	PEB	ND-C1D-CHC-C4C
31	I9	201	PEB	C2D-C1D-CHC-C4C
31	I9	201	PEB	C2A-C3A-CAA-CBA
31	I9	201	PEB	NB-C1B-CHA-C4A
31	I9	201	PEB	C2B-C1B-CHA-C4A
31	I9	202	PEB	NC-C1C-CHB-C4B
31	I9	202	PEB	C2C-C1C-CHB-C4B
31	I9	202	PEB	NB-C1B-CHA-C4A
31	I9	202	PEB	C2B-C1B-CHA-C4A
31	J9	201	PEB	ND-C1D-CHC-C4C
31	J9	201	PEB	C2A-C3A-CAA-CBA
31	J9	201	PEB	C4A-C3A-CAA-CBA
31	J9	201	PEB	NB-C1B-CHA-C4A
31	J9	201	PEB	C2B-C1B-CHA-C4A
31	J9	202	PEB	NC-C1C-CHB-C4B
31	J9	202	PEB	C2C-C1C-CHB-C4B
31	J9	202	PEB	C4A-C3A-CAA-CBA
31	J9	202	PEB	NB-C1B-CHA-C4A
31	J9	202	PEB	C2B-C1B-CHA-C4A
31	J9	203	PEB	ND-C1D-CHC-C4C
31	J9	203	PEB	C2D-C1D-CHC-C4C
31	J9	203	PEB	NC-C1C-CHB-C4B
31	J9	203	PEB	C2C-C1C-CHB-C4B
31	J9	203	PEB	NB-C1B-CHA-C4A
31	J9	203	PEB	C2B-C1B-CHA-C4A
31	K9	201	PEB	ND-C1D-CHC-C4C
31	K9	201	PEB	C2D-C1D-CHC-C4C
31	K9	201	PEB	C2A-C3A-CAA-CBA
31	K9	201	PEB	NB-C1B-CHA-C4A
31	K9	201	PEB	C2B-C1B-CHA-C4A
31	K9	202	PEB	NC-C1C-CHB-C4B
31	K9	202	PEB	C2C-C1C-CHB-C4B
31	K9	202	PEB	NB-C1B-CHA-C4A
31	K9	202	PEB	C2B-C1B-CHA-C4A
31	L9	201	PEB	ND-C1D-CHC-C4C
31	L9	201	PEB	C2C-CAC-CBC-CGC
31	L9	201	PEB	C2D-C3D-CAD-CBD
31	L9	201	PEB	C4D-C3D-CAD-CBD
31	L9	201	PEB	NB-C1B-CHA-C4A
31	L9	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	L9	202	PEB	NC-C1C-CHB-C4B
31	L9	202	PEB	C2C-C1C-CHB-C4B
31	L9	202	PEB	C4A-C3A-CAA-CBA
31	L9	202	PEB	NB-C1B-CHA-C4A
31	L9	202	PEB	C2B-C1B-CHA-C4A
31	L9	203	PEB	ND-C1D-CHC-C4C
31	L9	203	PEB	C2D-C1D-CHC-C4C
31	L9	203	PEB	NC-C1C-CHB-C4B
31	L9	203	PEB	C2C-C1C-CHB-C4B
31	L9	203	PEB	NB-C1B-CHA-C4A
31	L9	203	PEB	C2B-C1B-CHA-C4A
31	M9	301	PEB	NB-C1B-CHA-C4A
31	M9	301	PEB	C2B-C1B-CHA-C4A
31	M9	302	PEB	NB-C1B-CHA-C4A
31	M9	302	PEB	C2B-C1B-CHA-C4A
31	M9	303	PEB	NC-C1C-CHB-C4B
31	M9	303	PEB	C2C-C1C-CHB-C4B
31	M9	303	PEB	C2A-C3A-CAA-CBA
31	M9	303	PEB	C4A-C3A-CAA-CBA
31	M9	303	PEB	NB-C1B-CHA-C4A
31	M9	303	PEB	C2B-C1B-CHA-C4A
31	N9	201	PEB	ND-C1D-CHC-C4C
31	N9	201	PEB	C2D-C1D-CHC-C4C
31	N9	201	PEB	C2A-C3A-CAA-CBA
31	N9	201	PEB	NB-C1B-CHA-C4A
31	N9	201	PEB	C2B-C1B-CHA-C4A
31	N9	202	PEB	NC-C1C-CHB-C4B
31	N9	202	PEB	C2C-C1C-CHB-C4B
31	N9	202	PEB	NB-C1B-CHA-C4A
31	N9	202	PEB	C2B-C1B-CHA-C4A
31	O9	201	PEB	ND-C1D-CHC-C4C
31	O9	201	PEB	NB-C1B-CHA-C4A
31	O9	201	PEB	C2B-C1B-CHA-C4A
31	O9	202	PEB	NC-C1C-CHB-C4B
31	O9	202	PEB	C2C-C1C-CHB-C4B
31	O9	202	PEB	C4A-C3A-CAA-CBA
31	O9	202	PEB	NB-C1B-CHA-C4A
31	O9	202	PEB	C2B-C1B-CHA-C4A
31	O9	203	PEB	ND-C1D-CHC-C4C
31	O9	203	PEB	C2D-C1D-CHC-C4C
31	O9	203	PEB	NC-C1C-CHB-C4B
31	O9	203	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	O9	203	PEB	NB-C1B-CHA-C4A
31	O9	203	PEB	C2B-C1B-CHA-C4A
31	P9	201	PEB	ND-C1D-CHC-C4C
31	P9	201	PEB	C2D-C1D-CHC-C4C
31	P9	201	PEB	C2A-C3A-CAA-CBA
31	P9	201	PEB	NB-C1B-CHA-C4A
31	P9	201	PEB	C2B-C1B-CHA-C4A
31	P9	202	PEB	NC-C1C-CHB-C4B
31	P9	202	PEB	C2C-C1C-CHB-C4B
31	P9	202	PEB	NB-C1B-CHA-C4A
31	P9	202	PEB	C2B-C1B-CHA-C4A
31	Q9	201	PEB	ND-C1D-CHC-C4C
31	Q9	201	PEB	NB-C1B-CHA-C4A
31	Q9	201	PEB	C2B-C1B-CHA-C4A
31	Q9	202	PEB	NC-C1C-CHB-C4B
31	Q9	202	PEB	C2C-C1C-CHB-C4B
31	Q9	202	PEB	C2A-C3A-CAA-CBA
31	Q9	202	PEB	C4A-C3A-CAA-CBA
31	Q9	202	PEB	NB-C1B-CHA-C4A
31	Q9	202	PEB	C2B-C1B-CHA-C4A
31	Q9	203	PEB	ND-C1D-CHC-C4C
31	Q9	203	PEB	C2D-C1D-CHC-C4C
31	Q9	203	PEB	NC-C1C-CHB-C4B
31	Q9	203	PEB	C2C-C1C-CHB-C4B
31	Q9	203	PEB	NB-C1B-CHA-C4A
31	Q9	203	PEB	C2B-C1B-CHA-C4A
31	R9	201	PEB	ND-C1D-CHC-C4C
31	R9	201	PEB	C2D-C1D-CHC-C4C
31	R9	201	PEB	C2A-C3A-CAA-CBA
31	R9	201	PEB	NB-C1B-CHA-C4A
31	R9	201	PEB	C2B-C1B-CHA-C4A
31	R9	202	PEB	NC-C1C-CHB-C4B
31	R9	202	PEB	C2C-C1C-CHB-C4B
31	R9	202	PEB	NB-C1B-CHA-C4A
31	R9	202	PEB	C2B-C1B-CHA-C4A
31	S9	201	PEB	ND-C1D-CHC-C4C
31	S9	201	PEB	C2C-CAC-CBC-CGC
31	S9	201	PEB	NB-C1B-CHA-C4A
31	S9	201	PEB	C2B-C1B-CHA-C4A
31	S9	202	PEB	NC-C1C-CHB-C4B
31	S9	202	PEB	C2C-C1C-CHB-C4B
31	S9	202	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	S9	202	PEB	NB-C1B-CHA-C4A
31	S9	202	PEB	C2B-C1B-CHA-C4A
31	S9	203	PEB	ND-C1D-CHC-C4C
31	S9	203	PEB	C2D-C1D-CHC-C4C
31	S9	203	PEB	NC-C1C-CHB-C4B
31	S9	203	PEB	C2C-C1C-CHB-C4B
31	S9	203	PEB	NB-C1B-CHA-C4A
31	S9	203	PEB	C2B-C1B-CHA-C4A
31	S9	203	PEB	C3B-CAB-CBB-CGB
31	T9	201	PEB	ND-C1D-CHC-C4C
31	T9	201	PEB	C2D-C1D-CHC-C4C
31	T9	201	PEB	C2A-C3A-CAA-CBA
31	T9	201	PEB	NB-C1B-CHA-C4A
31	T9	201	PEB	C2B-C1B-CHA-C4A
31	T9	202	PEB	NC-C1C-CHB-C4B
31	T9	202	PEB	C2C-C1C-CHB-C4B
31	T9	202	PEB	NB-C1B-CHA-C4A
31	T9	202	PEB	C2B-C1B-CHA-C4A
31	U9	201	PEB	ND-C1D-CHC-C4C
31	U9	201	PEB	C2D-C1D-CHC-C4C
31	U9	201	PEB	NB-C1B-CHA-C4A
31	U9	201	PEB	C2B-C1B-CHA-C4A
31	U9	202	PEB	NC-C1C-CHB-C4B
31	U9	202	PEB	C2C-C1C-CHB-C4B
31	U9	202	PEB	C4A-C3A-CAA-CBA
31	U9	202	PEB	NB-C1B-CHA-C4A
31	U9	202	PEB	C2B-C1B-CHA-C4A
31	U9	203	PEB	ND-C1D-CHC-C4C
31	U9	203	PEB	C2D-C1D-CHC-C4C
31	U9	203	PEB	NC-C1C-CHB-C4B
31	U9	203	PEB	C2C-C1C-CHB-C4B
31	U9	203	PEB	NB-C1B-CHA-C4A
31	U9	203	PEB	C2B-C1B-CHA-C4A
31	V9	201	PEB	ND-C1D-CHC-C4C
31	V9	201	PEB	C2D-C1D-CHC-C4C
31	V9	201	PEB	C2A-C3A-CAA-CBA
31	V9	201	PEB	NB-C1B-CHA-C4A
31	V9	201	PEB	C2B-C1B-CHA-C4A
31	V9	202	PEB	NC-C1C-CHB-C4B
31	V9	202	PEB	C2C-C1C-CHB-C4B
31	V9	202	PEB	NB-C1B-CHA-C4A
31	V9	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	W9	201	PEB	ND-C1D-CHC-C4C
31	W9	201	PEB	C2D-C1D-CHC-C4C
31	W9	201	PEB	C2C-CAC-CBC-CGC
31	W9	201	PEB	NB-C1B-CHA-C4A
31	W9	201	PEB	C2B-C1B-CHA-C4A
31	W9	202	PEB	NC-C1C-CHB-C4B
31	W9	202	PEB	C2C-C1C-CHB-C4B
31	W9	202	PEB	C2A-C3A-CAA-CBA
31	W9	202	PEB	C4A-C3A-CAA-CBA
31	W9	202	PEB	NB-C1B-CHA-C4A
31	W9	202	PEB	C2B-C1B-CHA-C4A
31	W9	203	PEB	ND-C1D-CHC-C4C
31	W9	203	PEB	C2D-C1D-CHC-C4C
31	W9	203	PEB	NC-C1C-CHB-C4B
31	W9	203	PEB	C2C-C1C-CHB-C4B
31	W9	203	PEB	NB-C1B-CHA-C4A
31	W9	203	PEB	C2B-C1B-CHA-C4A
31	X9	201	PEB	ND-C1D-CHC-C4C
31	X9	201	PEB	C2D-C1D-CHC-C4C
31	X9	201	PEB	C2A-C3A-CAA-CBA
31	X9	201	PEB	NB-C1B-CHA-C4A
31	X9	201	PEB	C2B-C1B-CHA-C4A
31	X9	202	PEB	NC-C1C-CHB-C4B
31	X9	202	PEB	C2C-C1C-CHB-C4B
31	X9	202	PEB	NB-C1B-CHA-C4A
31	X9	202	PEB	C2B-C1B-CHA-C4A
31	Y9	201	PEB	ND-C1D-CHC-C4C
31	Y9	201	PEB	C2D-C3D-CAD-CBD
31	Y9	201	PEB	C4D-C3D-CAD-CBD
31	Y9	201	PEB	NB-C1B-CHA-C4A
31	Y9	201	PEB	C2B-C1B-CHA-C4A
31	Y9	201	PEB	C3B-CAB-CBB-CGB
31	Y9	202	PEB	NC-C1C-CHB-C4B
31	Y9	202	PEB	C2C-C1C-CHB-C4B
31	Y9	202	PEB	C4A-C3A-CAA-CBA
31	Y9	202	PEB	NB-C1B-CHA-C4A
31	Y9	202	PEB	C2B-C1B-CHA-C4A
31	Y9	203	PEB	ND-C1D-CHC-C4C
31	Y9	203	PEB	C2D-C1D-CHC-C4C
31	Y9	203	PEB	NC-C1C-CHB-C4B
31	Y9	203	PEB	C2C-C1C-CHB-C4B
31	Y9	203	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	Y9	203	PEB	C2B-C1B-CHA-C4A
31	Z9	301	PEB	NB-C1B-CHA-C4A
31	Z9	301	PEB	C2B-C1B-CHA-C4A
31	Z9	302	PEB	NB-C1B-CHA-C4A
31	Z9	302	PEB	C2B-C1B-CHA-C4A
31	Z9	303	PEB	NC-C1C-CHB-C4B
31	Z9	303	PEB	C2C-C1C-CHB-C4B
31	Z9	303	PEB	C2A-C3A-CAA-CBA
31	Z9	303	PEB	C4A-C3A-CAA-CBA
31	Z9	303	PEB	NB-C1B-CHA-C4A
31	Z9	303	PEB	C2B-C1B-CHA-C4A
31	fA	301	PEB	NC-C1C-CHB-C4B
31	fA	301	PEB	C2C-C1C-CHB-C4B
31	fA	301	PEB	C2A-C3A-CAA-CBA
31	fA	301	PEB	NB-C1B-CHA-C4A
31	fA	301	PEB	C2B-C1B-CHA-C4A
31	fA	301	PEB	C3B-CAB-CBB-CGB
31	aA	201	PEB	NB-C1B-CHA-C4A
31	aA	201	PEB	C2B-C1B-CHA-C4A
31	aA	202	PEB	NC-C1C-CHB-C4B
31	aA	202	PEB	C2C-C1C-CHB-C4B
31	aA	202	PEB	NB-C1B-CHA-C4A
31	aA	202	PEB	C2B-C1B-CHA-C4A
31	bA	201	PEB	ND-C1D-CHC-C4C
31	bA	201	PEB	C2D-C1D-CHC-C4C
31	bA	201	PEB	NC-C1C-CHB-C4B
31	bA	201	PEB	C2C-C1C-CHB-C4B
31	bA	201	PEB	NB-C1B-CHA-C4A
31	bA	201	PEB	C2B-C1B-CHA-C4A
31	cA	401	PEB	ND-C1D-CHC-C4C
31	cA	401	PEB	C2D-C1D-CHC-C4C
31	cA	401	PEB	NB-C1B-CHA-C4A
31	cA	401	PEB	C2B-C1B-CHA-C4A
31	cA	402	PEB	NC-C1C-CHB-C4B
31	cA	402	PEB	C2C-C1C-CHB-C4B
31	cA	402	PEB	C2C-CAC-CBC-CGC
31	cA	402	PEB	C2A-C3A-CAA-CBA
31	cA	402	PEB	C4A-C3A-CAA-CBA
31	cA	402	PEB	NB-C1B-CHA-C4A
31	cA	402	PEB	C2B-C1B-CHA-C4A
31	cA	403	PEB	C1C-C2C-CAC-CBC
31	cA	403	PEB	C3C-C2C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
31	cA	403	PEB	NB-C1B-CHA-C4A
31	cA	403	PEB	C2B-C1B-CHA-C4A
31	dA	201	PEB	C4A-C3A-CAA-CBA
31	dA	201	PEB	NB-C1B-CHA-C4A
31	dA	201	PEB	C2B-C1B-CHA-C4A
31	dA	202	PEB	ND-C1D-CHC-C4C
31	dA	202	PEB	C2D-C1D-CHC-C4C
31	dA	202	PEB	NC-C1C-CHB-C4B
31	dA	202	PEB	C2C-C1C-CHB-C4B
31	dA	202	PEB	NB-C1B-CHA-C4A
31	dA	202	PEB	C2B-C1B-CHA-C4A
31	eA	201	PEB	NB-C1B-CHA-C4A
31	eA	201	PEB	C2B-C1B-CHA-C4A
31	gA	201	PEB	ND-C1D-CHC-C4C
31	gA	201	PEB	C2D-C1D-CHC-C4C
31	gA	201	PEB	NB-C1B-CHA-C4A
31	gA	201	PEB	C2B-C1B-CHA-C4A
31	gA	202	PEB	NC-C1C-CHB-C4B
31	gA	202	PEB	NB-C1B-CHA-C4A
31	gA	202	PEB	C2B-C1B-CHA-C4A
31	gA	203	PEB	ND-C1D-CHC-C4C
31	gA	203	PEB	C2D-C1D-CHC-C4C
31	gA	203	PEB	NC-C1C-CHB-C4B
31	gA	203	PEB	C2C-C1C-CHB-C4B
31	gA	203	PEB	C2A-C3A-CAA-CBA
31	gA	203	PEB	C4A-C3A-CAA-CBA
31	gA	203	PEB	NB-C1B-CHA-C4A
31	gA	203	PEB	C2B-C1B-CHA-C4A
31	hA	301	PEB	NC-C1C-CHB-C4B
31	hA	301	PEB	C2C-C1C-CHB-C4B
31	hA	301	PEB	C2A-C3A-CAA-CBA
31	hA	301	PEB	NB-C1B-CHA-C4A
31	hA	301	PEB	C2B-C1B-CHA-C4A
31	hA	301	PEB	C3B-CAB-CBB-CGB
31	iB	201	PEB	C2A-C3A-CAA-CBA
31	iB	201	PEB	C4A-C3A-CAA-CBA
31	iB	201	PEB	NB-C1B-CHA-C4A
31	iB	201	PEB	C2B-C1B-CHA-C4A
31	iB	202	PEB	ND-C1D-CHC-C4C
31	iB	202	PEB	C2D-C1D-CHC-C4C
31	iB	202	PEB	C2A-C3A-CAA-CBA
31	iB	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	iB	202	PEB	C2B-C1B-CHA-C4A
31	iB	203	PEB	NC-C1C-CHB-C4B
31	iB	203	PEB	C2C-C1C-CHB-C4B
31	iB	203	PEB	NB-C1B-CHA-C4A
31	iB	203	PEB	C2B-C1B-CHA-C4A
31	iB	203	PEB	C2B-C3B-CAB-CBB
31	iB	203	PEB	C4B-C3B-CAB-CBB
31	jB	201	PEB	C4A-C3A-CAA-CBA
31	jB	201	PEB	NB-C1B-CHA-C4A
31	jB	201	PEB	C2B-C1B-CHA-C4A
31	jB	202	PEB	ND-C1D-CHC-C4C
31	jB	202	PEB	C2D-C1D-CHC-C4C
31	jB	202	PEB	NC-C1C-CHB-C4B
31	jB	202	PEB	C2C-C1C-CHB-C4B
31	jB	202	PEB	NB-C1B-CHA-C4A
31	jB	202	PEB	C2B-C1B-CHA-C4A
31	kB	201	PEB	NC-C1C-CHB-C4B
31	kB	201	PEB	C4A-C3A-CAA-CBA
31	kB	201	PEB	NB-C1B-CHA-C4A
31	kB	201	PEB	C2B-C1B-CHA-C4A
31	kB	202	PEB	NC-C1C-CHB-C4B
31	kB	202	PEB	C2A-C3A-CAA-CBA
31	kB	202	PEB	NB-C1B-CHA-C4A
31	kB	202	PEB	C2B-C1B-CHA-C4A
31	kB	203	PEB	C2A-C3A-CAA-CBA
31	kB	203	PEB	C4A-C3A-CAA-CBA
31	kB	203	PEB	NB-C1B-CHA-C4A
31	kB	203	PEB	C2B-C1B-CHA-C4A
31	kB	203	PEB	C4B-C3B-CAB-CBB
31	lB	201	PEB	ND-C1D-CHC-C4C
31	lB	201	PEB	C4A-C3A-CAA-CBA
31	lB	201	PEB	NB-C1B-CHA-C4A
31	lB	201	PEB	C2B-C1B-CHA-C4A
31	lB	202	PEB	ND-C1D-CHC-C4C
31	lB	202	PEB	C2D-C1D-CHC-C4C
31	lB	202	PEB	C4A-C3A-CAA-CBA
31	lB	202	PEB	NB-C1B-CHA-C4A
31	lB	202	PEB	C2B-C1B-CHA-C4A
31	mB	201	PEB	C2A-C3A-CAA-CBA
31	mB	201	PEB	C4A-C3A-CAA-CBA
31	mB	201	PEB	NB-C1B-CHA-C4A
31	mB	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	mB	202	PEB	NB-C1B-CHA-C4A
31	mB	202	PEB	C2B-C1B-CHA-C4A
31	mB	203	PEB	NC-C1C-CHB-C4B
31	mB	203	PEB	C2C-C1C-CHB-C4B
31	mB	203	PEB	NB-C1B-CHA-C4A
31	mB	203	PEB	C2B-C1B-CHA-C4A
31	mB	203	PEB	C2B-C3B-CAB-CBB
31	mB	203	PEB	C4B-C3B-CAB-CBB
31	aB	201	PEB	NB-C1B-CHA-C4A
31	aB	201	PEB	C2B-C1B-CHA-C4A
31	aB	202	PEB	NB-C1B-CHA-C4A
31	aB	202	PEB	C2B-C1B-CHA-C4A
31	aB	203	PEB	C2C-C1C-CHB-C4B
31	aB	203	PEB	C2A-C3A-CAA-CBA
31	aB	203	PEB	C4A-C3A-CAA-CBA
31	aB	203	PEB	NB-C1B-CHA-C4A
31	aB	203	PEB	C2B-C1B-CHA-C4A
31	bB	201	PEB	C4A-C3A-CAA-CBA
31	bB	201	PEB	NB-C1B-CHA-C4A
31	bB	201	PEB	C2B-C1B-CHA-C4A
31	bB	202	PEB	ND-C1D-CHC-C4C
31	bB	202	PEB	NB-C1B-CHA-C4A
31	bB	202	PEB	C2B-C1B-CHA-C4A
31	cB	201	PEB	NB-C1B-CHA-C4A
31	cB	201	PEB	C2B-C1B-CHA-C4A
31	cB	202	PEB	ND-C1D-CHC-C4C
31	cB	202	PEB	C2D-C1D-CHC-C4C
31	cB	202	PEB	NB-C1B-CHA-C4A
31	cB	202	PEB	C2B-C1B-CHA-C4A
31	cB	203	PEB	C2C-C1C-CHB-C4B
31	cB	203	PEB	NB-C1B-CHA-C4A
31	cB	203	PEB	C2B-C1B-CHA-C4A
31	dB	201	PEB	C2A-C3A-CAA-CBA
31	dB	201	PEB	C4A-C3A-CAA-CBA
31	dB	201	PEB	NB-C1B-CHA-C4A
31	dB	201	PEB	C2B-C1B-CHA-C4A
31	dB	202	PEB	ND-C1D-CHC-C4C
31	dB	202	PEB	C2D-C1D-CHC-C4C
31	dB	202	PEB	NC-C1C-CHB-C4B
31	dB	202	PEB	NB-C1B-CHA-C4A
31	dB	202	PEB	C2B-C1B-CHA-C4A
31	eB	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	eB	201	PEB	C2B-C1B-CHA-C4A
31	eB	202	PEB	C2C-CAC-CBC-CGC
31	eB	202	PEB	C2A-C3A-CAA-CBA
31	eB	202	PEB	NB-C1B-CHA-C4A
31	eB	202	PEB	C2B-C1B-CHA-C4A
31	eB	203	PEB	NC-C1C-CHB-C4B
31	eB	203	PEB	C2C-C1C-CHB-C4B
31	eB	203	PEB	NB-C1B-CHA-C4A
31	eB	203	PEB	C2B-C1B-CHA-C4A
31	fB	201	PEB	ND-C1D-CHC-C4C
31	fB	201	PEB	C2D-C1D-CHC-C4C
31	fB	201	PEB	C4A-C3A-CAA-CBA
31	fB	201	PEB	NB-C1B-CHA-C4A
31	fB	201	PEB	C2B-C1B-CHA-C4A
31	fB	202	PEB	ND-C1D-CHC-C4C
31	fB	202	PEB	C4A-C3A-CAA-CBA
31	fB	202	PEB	NB-C1B-CHA-C4A
31	fB	202	PEB	C2B-C1B-CHA-C4A
31	gB	201	PEB	NB-C1B-CHA-C4A
31	gB	201	PEB	C2B-C1B-CHA-C4A
31	gB	202	PEB	ND-C1D-CHC-C4C
31	gB	202	PEB	C2A-C3A-CAA-CBA
31	gB	202	PEB	NB-C1B-CHA-C4A
31	gB	202	PEB	C2B-C1B-CHA-C4A
31	gB	203	PEB	NC-C1C-CHB-C4B
31	gB	203	PEB	C2C-C1C-CHB-C4B
31	gB	203	PEB	NB-C1B-CHA-C4A
31	gB	203	PEB	C2B-C1B-CHA-C4A
31	gB	203	PEB	C2B-C3B-CAB-CBB
31	hB	201	PEB	C4A-C3A-CAA-CBA
31	hB	201	PEB	NB-C1B-CHA-C4A
31	hB	201	PEB	C2B-C1B-CHA-C4A
31	hB	202	PEB	ND-C1D-CHC-C4C
31	hB	202	PEB	NB-C1B-CHA-C4A
31	hB	202	PEB	C2B-C1B-CHA-C4A
31	fC	201	PEB	ND-C1D-CHC-C4C
31	fC	201	PEB	C2D-C1D-CHC-C4C
31	fC	201	PEB	NB-C1B-CHA-C4A
31	fC	201	PEB	C2B-C1B-CHA-C4A
31	fC	202	PEB	C2C-CAC-CBC-CGC
31	fC	202	PEB	C2A-C3A-CAA-CBA
31	fC	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	fC	202	PEB	C2B-C1B-CHA-C4A
31	fC	203	PEB	NC-C1C-CHB-C4B
31	fC	203	PEB	C2C-C1C-CHB-C4B
31	fC	203	PEB	C2C-CAC-CBC-CGC
31	fC	203	PEB	C2A-C3A-CAA-CBA
31	fC	203	PEB	NB-C1B-CHA-C4A
31	fC	203	PEB	C2B-C1B-CHA-C4A
31	gC	201	PEB	NC-C1C-CHB-C4B
31	gC	201	PEB	NB-C1B-CHA-C4A
31	gC	201	PEB	C2B-C1B-CHA-C4A
31	gC	202	PEB	NC-C1C-CHB-C4B
31	gC	202	PEB	C2C-C1C-CHB-C4B
31	gC	202	PEB	NB-C1B-CHA-C4A
31	gC	202	PEB	C2B-C1B-CHA-C4A
31	gC	203	PEB	C2C-CAC-CBC-CGC
31	gC	203	PEB	NB-C1B-CHA-C4A
31	gC	203	PEB	C2B-C1B-CHA-C4A
31	hC	201	PEB	ND-C1D-CHC-C4C
31	hC	201	PEB	C2A-C3A-CAA-CBA
31	hC	201	PEB	C4A-C3A-CAA-CBA
31	hC	201	PEB	NB-C1B-CHA-C4A
31	hC	201	PEB	C2B-C1B-CHA-C4A
31	hC	201	PEB	C3B-CAB-CBB-CGB
31	hC	202	PEB	NA-C4A-CHA-C1B
31	hC	202	PEB	C3A-C4A-CHA-C1B
31	hC	202	PEB	NB-C1B-CHA-C4A
31	hC	202	PEB	C2B-C1B-CHA-C4A
31	iC	201	PEB	NC-C1C-CHB-C4B
31	iC	201	PEB	NB-C1B-CHA-C4A
31	iC	201	PEB	C2B-C1B-CHA-C4A
31	iC	202	PEB	ND-C1D-CHC-C4C
31	iC	202	PEB	C2D-C1D-CHC-C4C
31	iC	202	PEB	NC-C1C-CHB-C4B
31	iC	202	PEB	C2C-C1C-CHB-C4B
31	iC	202	PEB	NB-C1B-CHA-C4A
31	iC	202	PEB	C2B-C1B-CHA-C4A
31	jC	201	PEB	ND-C1D-CHC-C4C
31	jC	201	PEB	C2D-C1D-CHC-C4C
31	jC	201	PEB	NB-C1B-CHA-C4A
31	jC	201	PEB	C2B-C1B-CHA-C4A
31	jC	202	PEB	NB-C1B-CHA-C4A
31	jC	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	jC	203	PEB	C2A-C3A-CAA-CBA
31	jC	203	PEB	NB-C1B-CHA-C4A
31	jC	203	PEB	C2B-C1B-CHA-C4A
31	kC	201	PEB	ND-C1D-CHC-C4C
31	kC	201	PEB	C4A-C3A-CAA-CBA
31	kC	201	PEB	NB-C1B-CHA-C4A
31	kC	201	PEB	C2B-C1B-CHA-C4A
31	kC	202	PEB	NC-C1C-CHB-C4B
31	kC	202	PEB	C2C-C1C-CHB-C4B
31	kC	202	PEB	C2C-CAC-CBC-CGC
31	kC	202	PEB	NB-C1B-CHA-C4A
31	kC	202	PEB	C2B-C1B-CHA-C4A
31	kC	203	PEB	NB-C1B-CHA-C4A
31	kC	203	PEB	C2B-C1B-CHA-C4A
31	lC	201	PEB	ND-C1D-CHC-C4C
31	lC	201	PEB	C2D-C1D-CHC-C4C
31	lC	201	PEB	C2D-C3D-CAD-CBD
31	lC	201	PEB	C4D-C3D-CAD-CBD
31	lC	201	PEB	NB-C1B-CHA-C4A
31	lC	201	PEB	C2B-C1B-CHA-C4A
31	lC	202	PEB	NC-C1C-CHB-C4B
31	lC	202	PEB	C2C-C1C-CHB-C4B
31	lC	202	PEB	C2A-C3A-CAA-CBA
31	lC	202	PEB	NB-C1B-CHA-C4A
31	lC	202	PEB	C2B-C1B-CHA-C4A
31	mC	201	PEB	NC-C1C-CHB-C4B
31	mC	201	PEB	C2C-C1C-CHB-C4B
31	mC	201	PEB	NB-C1B-CHA-C4A
31	mC	201	PEB	C2B-C1B-CHA-C4A
31	mC	202	PEB	NC-C1C-CHB-C4B
31	mC	202	PEB	C2C-C1C-CHB-C4B
31	mC	202	PEB	NB-C1B-CHA-C4A
31	mC	202	PEB	C2B-C1B-CHA-C4A
31	mC	202	PEB	C3B-CAB-CBB-CGB
31	aC	201	PEB	NB-C1B-CHA-C4A
31	aC	201	PEB	C2B-C1B-CHA-C4A
31	aC	202	PEB	ND-C1D-CHC-C4C
31	aC	202	PEB	C2D-C1D-CHC-C4C
31	aC	202	PEB	C2C-CAC-CBC-CGC
31	aC	202	PEB	NB-C1B-CHA-C4A
31	aC	202	PEB	C2B-C1B-CHA-C4A
31	bC	201	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	bC	201	PEB	C2D-C1D-CHC-C4C
31	bC	201	PEB	NB-C1B-CHA-C4A
31	bC	201	PEB	C2B-C1B-CHA-C4A
31	bC	202	PEB	NB-C1B-CHA-C4A
31	bC	202	PEB	C2B-C1B-CHA-C4A
31	cC	201	PEB	C2A-C3A-CAA-CBA
31	cC	201	PEB	C4A-C3A-CAA-CBA
31	cC	201	PEB	NB-C1B-CHA-C4A
31	cC	201	PEB	C2B-C1B-CHA-C4A
31	cC	202	PEB	NC-C1C-CHB-C4B
31	cC	202	PEB	C2C-C1C-CHB-C4B
31	cC	202	PEB	C4A-C3A-CAA-CBA
31	cC	202	PEB	NB-C1B-CHA-C4A
31	dC	201	PEB	NC-C1C-CHB-C4B
31	dC	201	PEB	C2C-C1C-CHB-C4B
31	dC	201	PEB	NB-C1B-CHA-C4A
31	dC	201	PEB	C2B-C1B-CHA-C4A
31	dC	202	PEB	ND-C1D-CHC-C4C
31	dC	202	PEB	C4A-C3A-CAA-CBA
31	dC	202	PEB	NB-C1B-CHA-C4A
31	dC	202	PEB	C2B-C1B-CHA-C4A
31	dC	203	PEB	C2C-CAC-CBC-CGC
31	dC	203	PEB	C2A-C3A-CAA-CBA
31	dC	203	PEB	NB-C1B-CHA-C4A
31	dC	203	PEB	C2B-C1B-CHA-C4A
31	eC	201	PEB	NB-C1B-CHA-C4A
31	eC	201	PEB	C2B-C1B-CHA-C4A
31	eC	202	PEB	ND-C1D-CHC-C4C
31	eC	202	PEB	C2D-C1D-CHC-C4C
31	eC	202	PEB	NC-C1C-CHB-C4B
31	eC	202	PEB	C2C-C1C-CHB-C4B
31	eC	202	PEB	NB-C1B-CHA-C4A
31	eC	202	PEB	C2B-C1B-CHA-C4A
31	eC	203	PEB	C4A-C3A-CAA-CBA
31	eC	203	PEB	NB-C1B-CHA-C4A
31	eC	203	PEB	C2B-C1B-CHA-C4A
31	aD	201	PEB	C1C-C2C-CAC-CBC
31	aD	201	PEB	C3C-C2C-CAC-CBC
31	aD	201	PEB	NB-C1B-CHA-C4A
31	aD	201	PEB	C2B-C1B-CHA-C4A
31	aD	202	PEB	NC-C1C-CHB-C4B
31	aD	202	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	aD	202	PEB	NB-C1B-CHA-C4A
31	aD	202	PEB	C2B-C1B-CHA-C4A
31	bD	201	PEB	ND-C1D-CHC-C4C
31	bD	201	PEB	C2D-C1D-CHC-C4C
31	bD	201	PEB	C2C-CAC-CBC-CGC
31	bD	201	PEB	NB-C1B-CHA-C4A
31	bD	201	PEB	C2B-C1B-CHA-C4A
31	bD	202	PEB	NB-C1B-CHA-C4A
31	bD	202	PEB	C2B-C1B-CHA-C4A
31	cD	201	PEB	NB-C1B-CHA-C4A
31	cD	201	PEB	C2B-C1B-CHA-C4A
31	cD	202	PEB	ND-C1D-CHC-C4C
31	cD	202	PEB	C2D-C1D-CHC-C4C
31	cD	202	PEB	NC-C1C-CHB-C4B
31	cD	202	PEB	C2C-C1C-CHB-C4B
31	cD	202	PEB	NB-C1B-CHA-C4A
31	cD	202	PEB	C2B-C1B-CHA-C4A
31	dD	201	PEB	C4A-C3A-CAA-CBA
31	dD	201	PEB	NB-C1B-CHA-C4A
31	dD	201	PEB	C2B-C1B-CHA-C4A
31	dD	202	PEB	NB-C1B-CHA-C4A
31	dD	202	PEB	C2B-C1B-CHA-C4A
31	dD	203	PEB	NB-C1B-CHA-C4A
31	dD	203	PEB	C2B-C1B-CHA-C4A
31	dD	204	PEB	NC-C1C-CHB-C4B
31	dD	204	PEB	C2C-C1C-CHB-C4B
31	dD	204	PEB	C2A-C3A-CAA-CBA
31	dD	204	PEB	C4A-C3A-CAA-CBA
31	dD	204	PEB	NB-C1B-CHA-C4A
31	dD	204	PEB	C2B-C1B-CHA-C4A
31	eD	201	PEB	ND-C1D-CHC-C4C
31	eD	201	PEB	C2D-C1D-CHC-C4C
31	eD	201	PEB	C2C-CAC-CBC-CGC
31	eD	201	PEB	NB-C1B-CHA-C4A
31	eD	201	PEB	C2B-C1B-CHA-C4A
31	eD	202	PEB	C2C-CAC-CBC-CGC
31	eD	202	PEB	C2A-C3A-CAA-CBA
31	eD	202	PEB	C4A-C3A-CAA-CBA
31	eD	202	PEB	NB-C1B-CHA-C4A
31	eD	202	PEB	C2B-C1B-CHA-C4A
31	eD	203	PEB	ND-C1D-CHC-C4C
31	eD	203	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	eD	203	PEB	NC-C1C-CHB-C4B
31	eD	203	PEB	C2C-C1C-CHB-C4B
31	eD	203	PEB	C1C-C2C-CAC-CBC
31	eD	203	PEB	C3C-C2C-CAC-CBC
31	eD	203	PEB	NB-C1B-CHA-C4A
31	eD	203	PEB	C2B-C1B-CHA-C4A
31	fD	201	PEB	ND-C1D-CHC-C4C
31	fD	201	PEB	C2D-C1D-CHC-C4C
31	fD	201	PEB	NB-C1B-CHA-C4A
31	fD	201	PEB	C2B-C1B-CHA-C4A
31	fD	202	PEB	NB-C1B-CHA-C4A
31	fD	202	PEB	C2B-C1B-CHA-C4A
31	fD	203	PEB	C2A-C3A-CAA-CBA
31	fD	203	PEB	C4A-C3A-CAA-CBA
31	fD	203	PEB	NB-C1B-CHA-C4A
31	fD	203	PEB	C2B-C1B-CHA-C4A
31	gD	201	PEB	NB-C1B-CHA-C4A
31	gD	201	PEB	C2B-C1B-CHA-C4A
31	gD	202	PEB	ND-C1D-CHC-C4C
31	gD	202	PEB	C2D-C1D-CHC-C4C
31	gD	202	PEB	NC-C1C-CHB-C4B
31	gD	202	PEB	C2C-C1C-CHB-C4B
31	gD	202	PEB	NB-C1B-CHA-C4A
31	gD	202	PEB	C2B-C1B-CHA-C4A
31	gD	202	PEB	C3B-CAB-CBB-CGB
31	hD	201	PEB	ND-C1D-CHC-C4C
31	hD	201	PEB	C2D-C1D-CHC-C4C
31	hD	201	PEB	C2A-C3A-CAA-CBA
31	hD	201	PEB	C4A-C3A-CAA-CBA
31	hD	201	PEB	NB-C1B-CHA-C4A
31	hD	201	PEB	C2B-C1B-CHA-C4A
31	hD	202	PEB	ND-C1D-CHC-C4C
31	hD	202	PEB	C2D-C1D-CHC-C4C
31	hD	202	PEB	C4A-C3A-CAA-CBA
31	hD	202	PEB	NB-C1B-CHA-C4A
31	hD	202	PEB	C2B-C1B-CHA-C4A
31	hD	203	PEB	NB-C1B-CHA-C4A
31	hD	203	PEB	C2B-C1B-CHA-C4A
31	iD	201	PEB	ND-C1D-CHC-C4C
31	iD	201	PEB	C2D-C1D-CHC-C4C
31	iD	201	PEB	C2C-CAC-CBC-CGC
31	iD	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	iD	201	PEB	C2B-C1B-CHA-C4A
31	iD	202	PEB	NC-C1C-CHB-C4B
31	iD	202	PEB	C2C-C1C-CHB-C4B
31	iD	202	PEB	NB-C1B-CHA-C4A
31	iD	202	PEB	C2B-C1B-CHA-C4A
31	jD	201	PEB	C4A-C3A-CAA-CBA
31	jD	201	PEB	NB-C1B-CHA-C4A
31	jD	201	PEB	C2B-C1B-CHA-C4A
31	jD	202	PEB	NB-C1B-CHA-C4A
31	jD	202	PEB	C2B-C1B-CHA-C4A
31	kD	201	PEB	NC-C1C-CHB-C4B
31	kD	201	PEB	C2C-C1C-CHB-C4B
31	kD	201	PEB	C1C-C2C-CAC-CBC
31	kD	201	PEB	C3C-C2C-CAC-CBC
31	kD	201	PEB	C2C-CAC-CBC-CGC
31	kD	201	PEB	NB-C1B-CHA-C4A
31	kD	201	PEB	C2B-C1B-CHA-C4A
31	kD	202	PEB	C1C-C2C-CAC-CBC
31	kD	202	PEB	C3C-C2C-CAC-CBC
31	kD	202	PEB	NB-C1B-CHA-C4A
31	kD	202	PEB	C2B-C1B-CHA-C4A
31	lD	201	PEB	C2A-C3A-CAA-CBA
31	lD	201	PEB	C4A-C3A-CAA-CBA
31	lD	201	PEB	NB-C1B-CHA-C4A
31	lD	201	PEB	C2B-C1B-CHA-C4A
31	lD	202	PEB	ND-C1D-CHC-C4C
31	lD	202	PEB	C2D-C1D-CHC-C4C
31	lD	202	PEB	C4A-C3A-CAA-CBA
31	lD	202	PEB	NB-C1B-CHA-C4A
31	lD	202	PEB	C2B-C1B-CHA-C4A
31	lD	203	PEB	NB-C1B-CHA-C4A
31	lD	203	PEB	C2B-C1B-CHA-C4A
31	mD	201	PEB	ND-C1D-CHC-C4C
31	mD	201	PEB	C2D-C1D-CHC-C4C
31	mD	201	PEB	NB-C1B-CHA-C4A
31	mD	201	PEB	C2B-C1B-CHA-C4A
31	mD	202	PEB	C2A-C3A-CAA-CBA
31	mD	202	PEB	C4A-C3A-CAA-CBA
31	mD	202	PEB	NB-C1B-CHA-C4A
31	mD	202	PEB	C2B-C1B-CHA-C4A
31	mD	203	PEB	NC-C1C-CHB-C4B
31	mD	203	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	mD	203	PEB	NB-C1B-CHA-C4A
31	mD	203	PEB	C2B-C1B-CHA-C4A
31	aE	201	PEB	C1C-C2C-CAC-CBC
31	aE	201	PEB	C3C-C2C-CAC-CBC
31	aE	201	PEB	NB-C1B-CHA-C4A
31	aE	201	PEB	C2B-C1B-CHA-C4A
31	aE	202	PEB	NC-C1C-CHB-C4B
31	aE	202	PEB	C2C-C1C-CHB-C4B
31	aE	202	PEB	NB-C1B-CHA-C4A
31	aE	202	PEB	C2B-C1B-CHA-C4A
31	bE	201	PEB	NB-C1B-CHA-C4A
31	bE	201	PEB	C2B-C1B-CHA-C4A
31	cE	201	PEB	NB-C1B-CHA-C4A
31	cE	201	PEB	C2B-C1B-CHA-C4A
31	cE	202	PEB	ND-C1D-CHC-C4C
31	cE	202	PEB	C2D-C1D-CHC-C4C
31	cE	202	PEB	NC-C1C-CHB-C4B
31	cE	202	PEB	C2C-C1C-CHB-C4B
31	cE	202	PEB	NB-C1B-CHA-C4A
31	cE	202	PEB	C2B-C1B-CHA-C4A
31	dE	201	PEB	C4A-C3A-CAA-CBA
31	dE	201	PEB	NB-C1B-CHA-C4A
31	dE	201	PEB	C2B-C1B-CHA-C4A
31	dE	202	PEB	NB-C1B-CHA-C4A
31	dE	202	PEB	C2B-C1B-CHA-C4A
31	dE	203	PEB	NB-C1B-CHA-C4A
31	dE	203	PEB	C2B-C1B-CHA-C4A
31	dE	204	PEB	NC-C1C-CHB-C4B
31	dE	204	PEB	C2C-C1C-CHB-C4B
31	dE	204	PEB	C2A-C3A-CAA-CBA
31	dE	204	PEB	C4A-C3A-CAA-CBA
31	dE	204	PEB	NB-C1B-CHA-C4A
31	dE	204	PEB	C2B-C1B-CHA-C4A
31	eE	201	PEB	ND-C1D-CHC-C4C
31	eE	201	PEB	C2D-C1D-CHC-C4C
31	eE	201	PEB	C2C-CAC-CBC-CGC
31	eE	201	PEB	NB-C1B-CHA-C4A
31	eE	201	PEB	C2B-C1B-CHA-C4A
31	eE	202	PEB	C2C-CAC-CBC-CGC
31	eE	202	PEB	C2A-C3A-CAA-CBA
31	eE	202	PEB	C4A-C3A-CAA-CBA
31	eE	202	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	eE	202	PEB	C2B-C1B-CHA-C4A
31	fE	201	PEB	ND-C1D-CHC-C4C
31	fE	201	PEB	C2D-C1D-CHC-C4C
31	fE	201	PEB	NB-C1B-CHA-C4A
31	fE	201	PEB	C2B-C1B-CHA-C4A
31	fE	202	PEB	NB-C1B-CHA-C4A
31	fE	202	PEB	C2B-C1B-CHA-C4A
31	fE	203	PEB	C2A-C3A-CAA-CBA
31	fE	203	PEB	C4A-C3A-CAA-CBA
31	fE	203	PEB	NB-C1B-CHA-C4A
31	fE	203	PEB	C2B-C1B-CHA-C4A
31	gE	201	PEB	NB-C1B-CHA-C4A
31	gE	201	PEB	C2B-C1B-CHA-C4A
31	gE	202	PEB	ND-C1D-CHC-C4C
31	gE	202	PEB	C2D-C1D-CHC-C4C
31	gE	202	PEB	NC-C1C-CHB-C4B
31	gE	202	PEB	C2C-C1C-CHB-C4B
31	gE	202	PEB	NB-C1B-CHA-C4A
31	gE	202	PEB	C2B-C1B-CHA-C4A
31	gE	202	PEB	C3B-CAB-CBB-CGB
31	hE	201	PEB	ND-C1D-CHC-C4C
31	hE	201	PEB	C2D-C1D-CHC-C4C
31	hE	201	PEB	C2A-C3A-CAA-CBA
31	hE	201	PEB	C4A-C3A-CAA-CBA
31	hE	201	PEB	NB-C1B-CHA-C4A
31	hE	201	PEB	C2B-C1B-CHA-C4A
31	hE	202	PEB	ND-C1D-CHC-C4C
31	hE	202	PEB	C2D-C1D-CHC-C4C
31	hE	202	PEB	C4A-C3A-CAA-CBA
31	hE	202	PEB	NB-C1B-CHA-C4A
31	hE	202	PEB	C2B-C1B-CHA-C4A
31	hE	203	PEB	NB-C1B-CHA-C4A
31	hE	203	PEB	C2B-C1B-CHA-C4A
31	iE	201	PEB	ND-C1D-CHC-C4C
31	iE	201	PEB	C2D-C1D-CHC-C4C
31	iE	201	PEB	C2C-CAC-CBC-CGC
31	iE	201	PEB	NB-C1B-CHA-C4A
31	iE	201	PEB	C2B-C1B-CHA-C4A
31	iE	202	PEB	NC-C1C-CHB-C4B
31	iE	202	PEB	C2C-C1C-CHB-C4B
31	iE	202	PEB	NB-C1B-CHA-C4A
31	iE	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	jE	201	PEB	C4A-C3A-CAA-CBA
31	jE	201	PEB	NB-C1B-CHA-C4A
31	jE	201	PEB	C2B-C1B-CHA-C4A
31	jE	202	PEB	NB-C1B-CHA-C4A
31	jE	202	PEB	C2B-C1B-CHA-C4A
31	kE	201	PEB	NC-C1C-CHB-C4B
31	kE	201	PEB	C2C-C1C-CHB-C4B
31	kE	201	PEB	C1C-C2C-CAC-CBC
31	kE	201	PEB	C3C-C2C-CAC-CBC
31	kE	201	PEB	C2C-CAC-CBC-CGC
31	kE	201	PEB	NB-C1B-CHA-C4A
31	kE	201	PEB	C2B-C1B-CHA-C4A
31	kE	202	PEB	C1C-C2C-CAC-CBC
31	kE	202	PEB	C3C-C2C-CAC-CBC
31	kE	202	PEB	NB-C1B-CHA-C4A
31	kE	202	PEB	C2B-C1B-CHA-C4A
31	lE	201	PEB	C2A-C3A-CAA-CBA
31	lE	201	PEB	C4A-C3A-CAA-CBA
31	lE	201	PEB	NB-C1B-CHA-C4A
31	lE	201	PEB	C2B-C1B-CHA-C4A
31	lE	202	PEB	ND-C1D-CHC-C4C
31	lE	202	PEB	C2D-C1D-CHC-C4C
31	lE	202	PEB	C4A-C3A-CAA-CBA
31	lE	202	PEB	NB-C1B-CHA-C4A
31	lE	202	PEB	C2B-C1B-CHA-C4A
31	lE	203	PEB	NB-C1B-CHA-C4A
31	lE	203	PEB	C2B-C1B-CHA-C4A
31	mE	201	PEB	ND-C1D-CHC-C4C
31	mE	201	PEB	C2D-C1D-CHC-C4C
31	mE	201	PEB	NB-C1B-CHA-C4A
31	mE	201	PEB	C2B-C1B-CHA-C4A
31	mE	202	PEB	C2A-C3A-CAA-CBA
31	mE	202	PEB	C4A-C3A-CAA-CBA
31	mE	202	PEB	NB-C1B-CHA-C4A
31	mE	202	PEB	C2B-C1B-CHA-C4A
31	mE	203	PEB	NC-C1C-CHB-C4B
31	mE	203	PEB	C2C-C1C-CHB-C4B
31	mE	203	PEB	NB-C1B-CHA-C4A
31	mE	203	PEB	C2B-C1B-CHA-C4A
31	aF	201	PEB	C2A-C3A-CAA-CBA
31	aF	201	PEB	C4A-C3A-CAA-CBA
31	aF	201	PEB	NB-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	aF	201	PEB	C2B-C1B-CHA-C4A
31	aF	202	PEB	C2A-C3A-CAA-CBA
31	aF	202	PEB	C4A-C3A-CAA-CBA
31	aF	202	PEB	NB-C1B-CHA-C4A
31	aF	202	PEB	C2B-C1B-CHA-C4A
31	aF	203	PEB	NC-C1C-CHB-C4B
31	aF	203	PEB	C2C-C1C-CHB-C4B
31	aF	203	PEB	C2C-CAC-CBC-CGC
31	aF	203	PEB	C2A-C3A-CAA-CBA
31	aF	203	PEB	NB-C1B-CHA-C4A
31	aF	203	PEB	C2B-C1B-CHA-C4A
31	bF	201	PEB	C2A-C3A-CAA-CBA
31	bF	201	PEB	C4A-C3A-CAA-CBA
31	bF	201	PEB	NB-C1B-CHA-C4A
31	bF	201	PEB	C2B-C1B-CHA-C4A
31	bF	202	PEB	ND-C1D-CHC-C4C
31	bF	202	PEB	NC-C1C-CHB-C4B
31	bF	202	PEB	C2C-C1C-CHB-C4B
31	bF	202	PEB	NB-C1B-CHA-C4A
31	bF	202	PEB	C2B-C1B-CHA-C4A
31	cF	201	PEB	ND-C1D-CHC-C4C
31	cF	201	PEB	C2D-C1D-CHC-C4C
31	cF	201	PEB	NB-C1B-CHA-C4A
31	cF	201	PEB	C2B-C1B-CHA-C4A
31	cF	202	PEB	NC-C1C-CHB-C4B
31	cF	202	PEB	C2C-C1C-CHB-C4B
31	cF	202	PEB	C2C-CAC-CBC-CGC
31	cF	202	PEB	C3A-C4A-CHA-C1B
31	cF	202	PEB	NB-C1B-CHA-C4A
31	cF	202	PEB	C2B-C1B-CHA-C4A
31	cF	203	PEB	C2A-C3A-CAA-CBA
31	cF	203	PEB	NB-C1B-CHA-C4A
31	cF	203	PEB	C2B-C1B-CHA-C4A
31	dF	201	PEB	NB-C1B-CHA-C4A
31	dF	201	PEB	C2B-C1B-CHA-C4A
31	dF	202	PEB	ND-C1D-CHC-C4C
31	dF	202	PEB	C2D-C1D-CHC-C4C
31	dF	202	PEB	NC-C1C-CHB-C4B
31	dF	202	PEB	C2C-C1C-CHB-C4B
31	dF	202	PEB	NB-C1B-CHA-C4A
31	dF	202	PEB	C2B-C1B-CHA-C4A
31	eF	201	PEB	NC-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	eF	201	PEB	C2C-C1C-CHB-C4B
31	eF	201	PEB	C2C-CAC-CBC-CGC
31	eF	201	PEB	NB-C1B-CHA-C4A
31	eF	201	PEB	C2B-C1B-CHA-C4A
31	eF	202	PEB	ND-C1D-CHC-C4C
31	eF	202	PEB	C2D-C1D-CHC-C4C
31	eF	202	PEB	C4A-C3A-CAA-CBA
31	eF	202	PEB	NB-C1B-CHA-C4A
31	eF	202	PEB	C2B-C1B-CHA-C4A
31	eF	203	PEB	NC-C1C-CHB-C4B
31	eF	203	PEB	C2C-C1C-CHB-C4B
31	eF	203	PEB	C2C-CAC-CBC-CGC
31	eF	203	PEB	NB-C1B-CHA-C4A
31	eF	203	PEB	C2B-C1B-CHA-C4A
31	fF	201	PEB	NC-C1C-CHB-C4B
31	fF	201	PEB	C4A-C3A-CAA-CBA
31	fF	201	PEB	NB-C1B-CHA-C4A
31	fF	201	PEB	C2B-C1B-CHA-C4A
31	fF	202	PEB	ND-C1D-CHC-C4C
31	fF	202	PEB	NC-C1C-CHB-C4B
31	fF	202	PEB	C2C-C1C-CHB-C4B
31	fF	202	PEB	NB-C1B-CHA-C4A
31	fF	202	PEB	C2B-C1B-CHA-C4A
31	gF	201	PEB	NB-C1B-CHA-C4A
31	gF	202	PEB	NC-C1C-CHB-C4B
31	gF	202	PEB	C2C-C1C-CHB-C4B
31	gF	202	PEB	NB-C1B-CHA-C4A
31	gF	202	PEB	C2B-C1B-CHA-C4A
31	gF	203	PEB	NC-C1C-CHB-C4B
31	gF	203	PEB	C2A-C3A-CAA-CBA
31	gF	203	PEB	NB-C1B-CHA-C4A
31	gF	203	PEB	C2B-C1B-CHA-C4A
31	hF	201	PEB	NC-C1C-CHB-C4B
31	hF	201	PEB	C2C-C1C-CHB-C4B
31	hF	201	PEB	NB-C1B-CHA-C4A
31	hF	201	PEB	C2B-C1B-CHA-C4A
31	hF	202	PEB	ND-C1D-CHC-C4C
31	hF	202	PEB	C2D-C1D-CHC-C4C
31	hF	202	PEB	NC-C1C-CHB-C4B
31	hF	202	PEB	C2C-C1C-CHB-C4B
31	hF	202	PEB	NB-C1B-CHA-C4A
31	hF	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	iF	201	PEB	NC-C1C-CHB-C4B
31	iF	201	PEB	C2C-C1C-CHB-C4B
31	iF	201	PEB	C4A-C3A-CAA-CBA
31	iF	201	PEB	NB-C1B-CHA-C4A
31	iF	201	PEB	C2B-C1B-CHA-C4A
31	iF	202	PEB	ND-C1D-CHC-C4C
31	iF	202	PEB	C2D-C1D-CHC-C4C
31	iF	202	PEB	NC-C1C-CHB-C4B
31	iF	202	PEB	C2C-C1C-CHB-C4B
31	iF	202	PEB	C4A-C3A-CAA-CBA
31	iF	202	PEB	NB-C1B-CHA-C4A
31	iF	202	PEB	C2B-C1B-CHA-C4A
31	iF	203	PEB	NC-C1C-CHB-C4B
31	iF	203	PEB	C2C-C1C-CHB-C4B
31	iF	203	PEB	C4A-C3A-CAA-CBA
31	iF	203	PEB	NB-C1B-CHA-C4A
31	iF	203	PEB	C2B-C1B-CHA-C4A
31	jF	201	PEB	NB-C1B-CHA-C4A
31	jF	202	PEB	ND-C1D-CHC-C4C
31	jF	202	PEB	C2D-C1D-CHC-C4C
31	jF	202	PEB	NC-C1C-CHB-C4B
31	jF	202	PEB	C2C-C1C-CHB-C4B
31	jF	202	PEB	NB-C1B-CHA-C4A
31	jF	202	PEB	C2B-C1B-CHA-C4A
31	kF	201	PEB	ND-C1D-CHC-C4C
31	kF	201	PEB	NC-C1C-CHB-C4B
31	kF	201	PEB	C2C-C1C-CHB-C4B
31	kF	201	PEB	C4A-C3A-CAA-CBA
31	kF	201	PEB	NB-C1B-CHA-C4A
31	kF	201	PEB	C2B-C1B-CHA-C4A
31	kF	201	PEB	C3B-CAB-CBB-CGB
31	kF	202	PEB	NC-C1C-CHB-C4B
31	kF	202	PEB	C2C-C1C-CHB-C4B
31	kF	202	PEB	C2C-CAC-CBC-CGC
31	kF	202	PEB	C2A-C3A-CAA-CBA
31	kF	202	PEB	NB-C1B-CHA-C4A
31	kF	202	PEB	C2B-C1B-CHA-C4A
31	kF	203	PEB	C2A-C3A-CAA-CBA
31	kF	203	PEB	C4A-C3A-CAA-CBA
31	kF	203	PEB	NB-C1B-CHA-C4A
31	kF	203	PEB	C2B-C1B-CHA-C4A
31	lF	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	lF	201	PEB	C4A-C3A-CAA-CBA
31	lF	201	PEB	NB-C1B-CHA-C4A
31	lF	201	PEB	C2B-C1B-CHA-C4A
31	lF	202	PEB	ND-C1D-CHC-C4C
31	lF	202	PEB	C2D-C1D-CHC-C4C
31	lF	202	PEB	NC-C1C-CHB-C4B
31	lF	202	PEB	C2C-C1C-CHB-C4B
31	lF	202	PEB	NB-C1B-CHA-C4A
31	lF	202	PEB	C2B-C1B-CHA-C4A
31	lF	203	PEB	C2C-CAC-CBC-CGC
31	lF	203	PEB	C2A-C3A-CAA-CBA
31	lF	203	PEB	C4A-C3A-CAA-CBA
31	lF	203	PEB	NB-C1B-CHA-C4A
31	lF	203	PEB	C2B-C1B-CHA-C4A
31	mF	201	PEB	NC-C1C-CHB-C4B
31	mF	201	PEB	C2C-C1C-CHB-C4B
31	mF	201	PEB	NB-C1B-CHA-C4A
31	mF	201	PEB	C2B-C1B-CHA-C4A
31	mF	202	PEB	C2A-C3A-CAA-CBA
31	mF	202	PEB	C4A-C3A-CAA-CBA
31	mF	202	PEB	NB-C1B-CHA-C4A
31	mF	202	PEB	C2B-C1B-CHA-C4A
31	mF	202	PEB	C3B-CAB-CBB-CGB
31	nF	201	PEB	NB-C1B-CHA-C4A
31	nF	201	PEB	C2B-C1B-CHA-C4A
31	nF	202	PEB	ND-C1D-CHC-C4C
31	nF	202	PEB	C2D-C1D-CHC-C4C
31	nF	202	PEB	NC-C1C-CHB-C4B
31	nF	202	PEB	C2C-C1C-CHB-C4B
31	nF	202	PEB	C2C-CAC-CBC-CGC
31	nF	202	PEB	NB-C1B-CHA-C4A
31	nF	202	PEB	C2B-C1B-CHA-C4A
31	oF	201	PEB	ND-C1D-CHC-C4C
31	oF	201	PEB	C2D-C1D-CHC-C4C
31	oF	201	PEB	NC-C1C-CHB-C4B
31	oF	201	PEB	C2C-C1C-CHB-C4B
31	oF	201	PEB	C2A-C3A-CAA-CBA
31	oF	201	PEB	C4A-C3A-CAA-CBA
31	oF	201	PEB	NB-C1B-CHA-C4A
31	oF	201	PEB	C2B-C1B-CHA-C4A
31	oF	202	PEB	NB-C1B-CHA-C4A
31	oF	202	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	oF	203	PEB	ND-C1D-CHC-C4C
31	oF	203	PEB	NC-C1C-CHB-C4B
31	oF	203	PEB	C2C-C1C-CHB-C4B
31	oF	203	PEB	C2D-C3D-CAD-CBD
31	oF	203	PEB	C4D-C3D-CAD-CBD
31	oF	203	PEB	C2A-C3A-CAA-CBA
31	oF	203	PEB	C4A-C3A-CAA-CBA
31	oF	203	PEB	NB-C1B-CHA-C4A
31	oF	203	PEB	C2B-C1B-CHA-C4A
31	pF	201	PEB	NC-C1C-CHB-C4B
31	pF	201	PEB	C2C-C1C-CHB-C4B
31	pF	201	PEB	C2A-C3A-CAA-CBA
31	pF	201	PEB	C4A-C3A-CAA-CBA
31	pF	201	PEB	NB-C1B-CHA-C4A
31	pF	201	PEB	C2B-C1B-CHA-C4A
31	pF	202	PEB	ND-C1D-CHC-C4C
31	pF	202	PEB	C2D-C1D-CHC-C4C
31	pF	202	PEB	NC-C1C-CHB-C4B
31	pF	202	PEB	C2C-C1C-CHB-C4B
31	pF	202	PEB	NB-C1B-CHA-C4A
31	pF	202	PEB	C2B-C1B-CHA-C4A
31	qF	201	PEB	NC-C1C-CHB-C4B
31	qF	201	PEB	C2A-C3A-CAA-CBA
31	qF	201	PEB	C4A-C3A-CAA-CBA
31	qF	201	PEB	NB-C1B-CHA-C4A
31	qF	201	PEB	C2B-C1B-CHA-C4A
31	qF	202	PEB	C1C-C2C-CAC-CBC
31	qF	202	PEB	C3C-C2C-CAC-CBC
31	qF	202	PEB	C4A-C3A-CAA-CBA
31	qF	202	PEB	NB-C1B-CHA-C4A
31	qF	202	PEB	C2B-C1B-CHA-C4A
31	qF	203	PEB	NC-C1C-CHB-C4B
31	qF	203	PEB	C2C-C1C-CHB-C4B
31	qF	203	PEB	C4A-C3A-CAA-CBA
31	qF	203	PEB	NB-C1B-CHA-C4A
31	qF	203	PEB	C2B-C1B-CHA-C4A
31	rF	201	PEB	ND-C1D-CHC-C4C
31	rF	201	PEB	C2D-C1D-CHC-C4C
31	rF	201	PEB	C2A-C3A-CAA-CBA
31	rF	201	PEB	C4A-C3A-CAA-CBA
31	rF	201	PEB	NB-C1B-CHA-C4A
31	rF	201	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	rF	202	PEB	ND-C1D-CHC-C4C
31	rF	202	PEB	C2D-C1D-CHC-C4C
31	rF	202	PEB	NC-C1C-CHB-C4B
31	rF	202	PEB	C2C-C1C-CHB-C4B
31	rF	202	PEB	NB-C1B-CHA-C4A
31	rF	202	PEB	C2B-C1B-CHA-C4A
31	sF	201	PEB	ND-C1D-CHC-C4C
31	sF	201	PEB	C2D-C1D-CHC-C4C
31	sF	201	PEB	C2C-CAC-CBC-CGC
31	sF	201	PEB	C4A-C3A-CAA-CBA
31	sF	201	PEB	NB-C1B-CHA-C4A
31	sF	201	PEB	C2B-C1B-CHA-C4A
31	sF	202	PEB	NC-C1C-CHB-C4B
31	sF	202	PEB	C2C-C1C-CHB-C4B
31	sF	202	PEB	C2C-CAC-CBC-CGC
31	sF	202	PEB	NB-C1B-CHA-C4A
31	sF	202	PEB	C2B-C1B-CHA-C4A
31	sF	203	PEB	NB-C1B-CHA-C4A
31	sF	203	PEB	C2B-C1B-CHA-C4A
31	tF	201	PEB	NC-C1C-CHB-C4B
31	tF	201	PEB	C2C-C1C-CHB-C4B
31	tF	201	PEB	NB-C1B-CHA-C4A
31	tF	201	PEB	C2B-C1B-CHA-C4A
31	tF	202	PEB	ND-C1D-CHC-C4C
31	tF	202	PEB	C2D-C1D-CHC-C4C
31	tF	202	PEB	C1C-C2C-CAC-CBC
31	tF	202	PEB	C3C-C2C-CAC-CBC
31	tF	202	PEB	NB-C1B-CHA-C4A
31	tF	202	PEB	C2B-C1B-CHA-C4A
31	tF	202	PEB	C3B-CAB-CBB-CGB
31	uF	201	PEB	NC-C1C-CHB-C4B
31	uF	201	PEB	C2C-C1C-CHB-C4B
31	uF	201	PEB	C4A-C3A-CAA-CBA
31	uF	201	PEB	NB-C1B-CHA-C4A
31	uF	201	PEB	C2B-C1B-CHA-C4A
31	uF	202	PEB	ND-C1D-CHC-C4C
31	uF	202	PEB	C2A-C3A-CAA-CBA
31	uF	202	PEB	C4A-C3A-CAA-CBA
31	uF	202	PEB	NB-C1B-CHA-C4A
31	uF	202	PEB	C2B-C1B-CHA-C4A
31	uF	203	PEB	NC-C1C-CHB-C4B
31	uF	203	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	uF	203	PEB	NB-C1B-CHA-C4A
31	uF	203	PEB	C2B-C1B-CHA-C4A
31	vF	201	PEB	NC-C1C-CHB-C4B
31	vF	201	PEB	C2C-C1C-CHB-C4B
31	vF	201	PEB	NB-C1B-CHA-C4A
31	vF	201	PEB	C2B-C1B-CHA-C4A
31	vF	202	PEB	ND-C1D-CHC-C4C
31	vF	202	PEB	NC-C1C-CHB-C4B
31	vF	202	PEB	C2C-C1C-CHB-C4B
31	vF	202	PEB	NB-C1B-CHA-C4A
31	vF	202	PEB	C2B-C1B-CHA-C4A
31	wF	301	PEB	NC-C1C-CHB-C4B
31	wF	301	PEB	C2C-C1C-CHB-C4B
31	wF	301	PEB	C2A-C3A-CAA-CBA
31	wF	301	PEB	NB-C1B-CHA-C4A
31	wF	301	PEB	C2B-C1B-CHA-C4A
31	wF	302	PEB	C2A-C3A-CAA-CBA
31	wF	302	PEB	C4A-C3A-CAA-CBA
31	wF	302	PEB	NB-C1B-CHA-C4A
31	wF	302	PEB	C2B-C1B-CHA-C4A
31	wF	303	PEB	NB-C1B-CHA-C4A
31	wF	303	PEB	C2B-C1B-CHA-C4A
31	xF	302	PEB	ND-C1D-CHC-C4C
31	xF	302	PEB	C2D-C1D-CHC-C4C
31	xF	302	PEB	NC-C1C-CHB-C4B
31	xF	302	PEB	C2C-C1C-CHB-C4B
31	xF	302	PEB	NB-C1B-CHA-C4A
31	xF	302	PEB	C2B-C1B-CHA-C4A
31	xF	303	PEB	ND-C1D-CHC-C4C
31	xF	303	PEB	C4A-C3A-CAA-CBA
31	xF	303	PEB	NB-C1B-CHA-C4A
31	xF	303	PEB	C2B-C1B-CHA-C4A
31	xF	304	PEB	NC-C1C-CHB-C4B
31	xF	304	PEB	C2C-C1C-CHB-C4B
31	xF	304	PEB	NB-C1B-CHA-C4A
31	xF	304	PEB	C2B-C1B-CHA-C4A
31	yF	301	PEB	C4A-C3A-CAA-CBA
31	yF	301	PEB	NB-C1B-CHA-C4A
31	yF	301	PEB	C2B-C1B-CHA-C4A
31	zF	501	PEB	C4A-C3A-CAA-CBA
31	zF	501	PEB	NB-C1B-CHA-C4A
31	zF	501	PEB	C2B-C1B-CHA-C4A

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Mol	Chain	Res	Type	Atoms
31	aH	201	PEB	C2C-CAC-CBC-CGC
31	aH	201	PEB	NB-C1B-CHA-C4A
31	aH	201	PEB	C2B-C1B-CHA-C4A
31	aH	202	PEB	NB-C1B-CHA-C4A
31	aH	202	PEB	C2B-C1B-CHA-C4A
31	aH	203	PEB	NC-C1C-CHB-C4B
31	aH	203	PEB	C2C-C1C-CHB-C4B
31	aH	203	PEB	C2A-C3A-CAA-CBA
31	aH	203	PEB	C4A-C3A-CAA-CBA
31	aH	203	PEB	NB-C1B-CHA-C4A
31	aH	203	PEB	C2B-C1B-CHA-C4A
31	aH	204	PEB	NB-C1B-CHA-C4A
31	aH	204	PEB	C2B-C1B-CHA-C4A
31	cH	201	PEB	ND-C1D-CHC-C4C
31	cH	201	PEB	C2D-C1D-CHC-C4C
31	cH	201	PEB	NC-C1C-CHB-C4B
31	cH	201	PEB	C2C-C1C-CHB-C4B
31	cH	201	PEB	NB-C1B-CHA-C4A
31	cH	201	PEB	C2B-C1B-CHA-C4A
31	cH	202	PEB	ND-C1D-CHC-C4C
31	cH	202	PEB	C2D-C1D-CHC-C4C
31	cH	202	PEB	NC-C1C-CHB-C4B
31	cH	202	PEB	C2C-C1C-CHB-C4B
31	cH	202	PEB	NB-C1B-CHA-C4A
31	cH	202	PEB	C2B-C1B-CHA-C4A
31	dH	201	PEB	NC-C1C-CHB-C4B
31	dH	201	PEB	C2C-C1C-CHB-C4B
31	dH	201	PEB	C4A-C3A-CAA-CBA
31	dH	201	PEB	NB-C1B-CHA-C4A
31	dH	201	PEB	C2B-C1B-CHA-C4A
31	dH	202	PEB	C1C-C2C-CAC-CBC
31	dH	202	PEB	C3C-C2C-CAC-CBC
31	dH	202	PEB	NB-C1B-CHA-C4A
31	dH	202	PEB	C2B-C1B-CHA-C4A
31	eH	201	PEB	ND-C1D-CHC-C4C
31	eH	201	PEB	C2D-C1D-CHC-C4C
31	eH	201	PEB	NC-C1C-CHB-C4B
31	eH	201	PEB	C2C-C1C-CHB-C4B
31	eH	201	PEB	NB-C1B-CHA-C4A
31	eH	201	PEB	C2B-C1B-CHA-C4A
31	eH	202	PEB	ND-C1D-CHC-C4C
31	eH	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	eH	202	PEB	NB-C1B-CHA-C4A
31	eH	202	PEB	C2B-C1B-CHA-C4A
31	fH	201	PEB	NB-C1B-CHA-C4A
31	fH	201	PEB	C2B-C1B-CHA-C4A
31	fH	202	PEB	NC-C1C-CHB-C4B
31	fH	202	PEB	C2C-C1C-CHB-C4B
31	fH	202	PEB	C2A-C3A-CAA-CBA
31	fH	202	PEB	C4A-C3A-CAA-CBA
31	fH	202	PEB	NB-C1B-CHA-C4A
31	fH	202	PEB	C2B-C1B-CHA-C4A
31	fH	203	PEB	C4A-C3A-CAA-CBA
31	fH	203	PEB	NB-C1B-CHA-C4A
31	fH	203	PEB	C2B-C1B-CHA-C4A
31	gH	201	PEB	ND-C1D-CHC-C4C
31	gH	201	PEB	C2D-C1D-CHC-C4C
31	gH	201	PEB	NC-C1C-CHB-C4B
31	gH	201	PEB	C2C-C1C-CHB-C4B
31	gH	201	PEB	C2C-CAC-CBC-CGC
31	gH	201	PEB	NB-C1B-CHA-C4A
31	gH	201	PEB	C2B-C1B-CHA-C4A
31	gH	202	PEB	NC-C1C-CHB-C4B
31	gH	202	PEB	C2C-C1C-CHB-C4B
31	gH	202	PEB	NB-C1B-CHA-C4A
31	gH	202	PEB	C2B-C1B-CHA-C4A
31	gH	202	PEB	NC-C1C-CHB-C4B
31	gH	202	PEB	C2C-C1C-CHB-C4B
31	gH	202	PEB	NB-C1B-CHA-C4A
31	gH	202	PEB	C2B-C1B-CHA-C4A
31	hH	201	PEB	C2A-C3A-CAA-CBA
31	hH	201	PEB	C4A-C3A-CAA-CBA
31	hH	201	PEB	NB-C1B-CHA-C4A
31	hH	201	PEB	C2B-C1B-CHA-C4A
31	hH	202	PEB	NB-C1B-CHA-C4A
31	hH	202	PEB	C2B-C1B-CHA-C4A
31	hH	203	PEB	NC-C1C-CHB-C4B
31	hH	203	PEB	C2C-C1C-CHB-C4B
31	hH	203	PEB	C2D-C3D-CAD-CBD
31	hH	203	PEB	C4D-C3D-CAD-CBD
31	hH	203	PEB	C4A-C3A-CAA-CBA
31	hH	203	PEB	NB-C1B-CHA-C4A
31	hH	203	PEB	C2B-C1B-CHA-C4A
31	iH	201	PEB	NC-C1C-CHB-C4B
31	iH	201	PEB	C2C-C1C-CHB-C4B
31	iH	201	PEB	NB-C1B-CHA-C4A
31	iH	201	PEB	C2B-C1B-CHA-C4A
31	iH	202	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	iH	202	PEB	NB-C1B-CHA-C4A
31	iH	202	PEB	C2B-C1B-CHA-C4A
31	jH	201	PEB	NB-C1B-CHA-C4A
31	jH	201	PEB	C2B-C1B-CHA-C4A
31	jH	202	PEB	ND-C1D-CHC-C4C
31	jH	202	PEB	C2D-C1D-CHC-C4C
31	jH	202	PEB	NC-C1C-CHB-C4B
31	jH	202	PEB	C4A-C3A-CAA-CBA
31	jH	202	PEB	NB-C1B-CHA-C4A
31	jH	202	PEB	C2B-C1B-CHA-C4A
31	jH	203	PEB	C4A-C3A-CAA-CBA
31	jH	203	PEB	NB-C1B-CHA-C4A
31	jH	203	PEB	C2B-C1B-CHA-C4A
31	kH	201	PEB	ND-C1D-CHC-C4C
31	kH	201	PEB	NC-C1C-CHB-C4B
31	kH	201	PEB	C2C-C1C-CHB-C4B
31	kH	201	PEB	C2A-C3A-CAA-CBA
31	kH	201	PEB	C4A-C3A-CAA-CBA
31	kH	201	PEB	NB-C1B-CHA-C4A
31	kH	201	PEB	C2B-C1B-CHA-C4A
31	kH	202	PEB	NC-C1C-CHB-C4B
31	kH	202	PEB	C2C-C1C-CHB-C4B
31	kH	202	PEB	NB-C1B-CHA-C4A
31	kH	202	PEB	C2B-C1B-CHA-C4A
31	lH	201	PEB	C4A-C3A-CAA-CBA
31	lH	201	PEB	NB-C1B-CHA-C4A
31	lH	201	PEB	C2B-C1B-CHA-C4A
31	lH	202	PEB	NB-C1B-CHA-C4A
31	lH	202	PEB	C2B-C1B-CHA-C4A
31	lH	203	PEB	ND-C1D-CHC-C4C
31	lH	203	PEB	C2D-C1D-CHC-C4C
31	lH	203	PEB	C4A-C3A-CAA-CBA
31	lH	203	PEB	NB-C1B-CHA-C4A
31	lH	203	PEB	C2B-C1B-CHA-C4A
31	mH	201	PEB	NC-C1C-CHB-C4B
31	mH	201	PEB	C2C-C1C-CHB-C4B
31	mH	201	PEB	NB-C1B-CHA-C4A
31	mH	201	PEB	C2B-C1B-CHA-C4A
31	mH	202	PEB	ND-C1D-CHC-C4C
31	mH	202	PEB	C2D-C1D-CHC-C4C
31	mH	202	PEB	NC-C1C-CHB-C4B
31	mH	202	PEB	C2C-C1C-CHB-C4B

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Mol	Chain	Res	Type	Atoms
31	mH	202	PEB	NB-C1B-CHA-C4A
31	mH	202	PEB	C2B-C1B-CHA-C4A
31	dJ	401	PEB	NC-C1C-CHB-C4B
31	dJ	401	PEB	C2C-C1C-CHB-C4B
31	dJ	401	PEB	C1C-C2C-CAC-CBC
31	dJ	401	PEB	C3C-C2C-CAC-CBC
31	dJ	401	PEB	NB-C1B-CHA-C4A
31	dJ	401	PEB	C2B-C1B-CHA-C4A
31	eK	301	PEB	ND-C1D-CHC-C4C
31	eK	301	PEB	C2D-C1D-CHC-C4C
31	eK	301	PEB	NB-C1B-CHA-C4A
31	eK	301	PEB	C2B-C1B-CHA-C4A
32	AB	303	PUB	C3C-C4C-CHC-C1D
32	AC	303	PUB	NA-C4A-CHA-C1B
32	AC	303	PUB	C2B-C3B-CAB-CBB
32	AC	303	PUB	C4B-C3B-CAB-CBB
32	AC	304	PUB	C3C-C4C-CHC-C1D
32	AC	304	PUB	ND-C1D-CHC-C4C
32	AC	304	PUB	C2A-C3A-CAA-CBA
32	AC	304	PUB	NA-C4A-CHA-C1B
32	AC	304	PUB	C3A-C4A-CHA-C1B
32	AC	304	PUB	NB-C4B-CHB-C1C
32	AC	304	PUB	C3B-C4B-CHB-C1C
32	AD	302	PUB	C3C-C4C-CHC-C1D
32	AD	302	PUB	C3B-CAB-CBB-CGB
32	AD	303	PUB	NC-C4C-CHC-C1D
32	AE	302	PUB	C3C-C4C-CHC-C1D
32	AE	302	PUB	C3B-CAB-CBB-CGB
32	AE	303	PUB	NC-C4C-CHC-C1D
32	AH	303	PUB	NC-C4C-CHC-C1D
32	AH	303	PUB	C3C-C4C-CHC-C1D
32	AH	303	PUB	ND-C1D-CHC-C4C
32	AH	303	PUB	NA-C4A-CHA-C1B
32	AH	303	PUB	NB-C4B-CHB-C1C
32	AH	303	PUB	C3B-C4B-CHB-C1C
32	AH	304	PUB	NA-C4A-CHA-C1B
32	AH	304	PUB	C3A-C4A-CHA-C1B
32	BH	302	PUB	NC-C4C-CHC-C1D
32	QH	202	PUB	NC-C4C-CHC-C1D
32	QH	202	PUB	NA-C4A-CHA-C1B
32	QH	202	PUB	C3A-C4A-CHA-C1B
32	CI	203	PUB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
32	CI	203	PUB	C2D-C1D-CHC-C4C
32	CI	203	PUB	NA-C4A-CHA-C1B
32	CI	203	PUB	C3A-C4A-CHA-C1B
32	CI	203	PUB	NB-C4B-CHB-C1C
32	CI	203	PUB	C3B-C4B-CHB-C1C
32	MI	303	PUB	NA-C4A-CHA-C1B
32	ZI	302	PUB	NA-C4A-CHA-C1B
32	ZI	305	PUB	ND-C1D-CHC-C4C
32	ZI	305	PUB	C2D-C1D-CHC-C4C
32	ZI	305	PUB	NA-C4A-CHA-C1B
32	ZI	305	PUB	C3A-C4A-CHA-C1B
32	ZI	305	PUB	NB-C4B-CHB-C1C
32	ZI	305	PUB	C3B-C4B-CHB-C1C
32	AJ	303	PUB	C3C-C4C-CHC-C1D
32	AJ	303	PUB	ND-C1D-CHC-C4C
32	AJ	303	PUB	C2D-C1D-CHC-C4C
32	KK	203	PUB	C3C-C4C-CHC-C1D
32	KK	203	PUB	NA-C4A-CHA-C1B
32	KK	203	PUB	C3A-C4A-CHA-C1B
32	YK	304	PUB	ND-C1D-CHC-C4C
32	K1	203	PUB	C3C-C4C-CHC-C1D
32	K1	203	PUB	NA-C4A-CHA-C1B
32	K1	203	PUB	C3A-C4A-CHA-C1B
32	Y1	304	PUB	ND-C1D-CHC-C4C
32	A2	303	PUB	NA-C4A-CHA-C1B
32	A2	303	PUB	C2B-C3B-CAB-CBB
32	A2	303	PUB	C4B-C3B-CAB-CBB
32	A2	304	PUB	C3C-C4C-CHC-C1D
32	A2	304	PUB	ND-C1D-CHC-C4C
32	A2	304	PUB	C2A-C3A-CAA-CBA
32	A2	304	PUB	NA-C4A-CHA-C1B
32	A2	304	PUB	C3A-C4A-CHA-C1B
32	A2	304	PUB	NB-C4B-CHB-C1C
32	A2	304	PUB	C3B-C4B-CHB-C1C
32	A4	303	PUB	ND-C1D-CHC-C4C
32	A4	303	PUB	NA-C4A-CHA-C1B
32	A4	303	PUB	C3A-C4A-CHA-C1B
32	A4	303	PUB	NB-C4B-CHB-C1C
32	A4	303	PUB	C3B-C4B-CHB-C1C
32	A4	304	PUB	C3C-C4C-CHC-C1D
32	A4	304	PUB	NA-C4A-CHA-C1B
32	B4	302	PUB	NC-C4C-CHC-C1D

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Mol	Chain	Res	Type	Atoms
32	Q4	202	PUB	NC-C4C-CHC-C1D
32	Q4	202	PUB	NA-C4A-CHA-C1B
32	A5	303	PUB	C3C-C4C-CHC-C1D
32	A5	303	PUB	ND-C1D-CHC-C4C
32	A5	303	PUB	C2D-C1D-CHC-C4C
32	A6	303	PUB	C3C-C4C-CHC-C1D
32	w8	304	PUB	C3C-C4C-CHC-C1D
32	w8	304	PUB	NA-C4A-CHA-C1B
32	w8	304	PUB	C3B-CAB-CBB-CGB
32	x8	301	PUB	ND-C1D-CHC-C4C
32	x8	301	PUB	C2D-C1D-CHC-C4C
32	x8	301	PUB	NB-C4B-CHB-C1C
32	x8	301	PUB	C3B-C4B-CHB-C1C
32	x8	305	PUB	ND-C1D-CHC-C4C
32	x8	305	PUB	C2D-C1D-CHC-C4C
32	x8	305	PUB	NA-C4A-CHA-C1B
32	x8	305	PUB	C3A-C4A-CHA-C1B
32	x8	306	PUB	ND-C1D-CHC-C4C
32	x8	306	PUB	C2D-C1D-CHC-C4C
32	y8	302	PUB	C4D-C3D-CAD-CBD
32	y8	303	PUB	C3B-CAB-CBB-CGB
32	M9	305	PUB	C3C-C4C-CHC-C1D
32	M9	305	PUB	C2B-C3B-CAB-CBB
32	M9	305	PUB	C4B-C3B-CAB-CBB
32	Z9	305	PUB	C3C-C4C-CHC-C1D
32	Z9	305	PUB	C2B-C3B-CAB-CBB
32	Z9	305	PUB	C4B-C3B-CAB-CBB
32	wF	304	PUB	C3C-C4C-CHC-C1D
32	wF	304	PUB	NA-C4A-CHA-C1B
32	wF	304	PUB	C3B-CAB-CBB-CGB
32	xF	301	PUB	ND-C1D-CHC-C4C
32	xF	301	PUB	C2D-C1D-CHC-C4C
32	xF	301	PUB	NB-C4B-CHB-C1C
32	xF	301	PUB	C3B-C4B-CHB-C1C
32	xF	305	PUB	ND-C1D-CHC-C4C
32	xF	305	PUB	C2D-C1D-CHC-C4C
32	xF	305	PUB	NA-C4A-CHA-C1B
32	xF	305	PUB	C3A-C4A-CHA-C1B
32	xF	306	PUB	ND-C1D-CHC-C4C
32	xF	306	PUB	C2D-C1D-CHC-C4C
32	yF	302	PUB	C4D-C3D-CAD-CBD
32	yF	303	PUB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
33	CB	1001	CYC	NA-C4A-CHB-C1B
33	CB	1001	CYC	C3A-C4A-CHB-C1B
33	CB	1001	CYC	C2C-C3C-CAC-CBC
33	CB	1001	CYC	C4C-C3C-CAC-CBC
33	DB	1001	CYC	NA-C4A-CHB-C1B
33	DB	1001	CYC	C3A-C4A-CHB-C1B
33	DB	1001	CYC	C2C-C3C-CAC-CBC
33	DB	1001	CYC	C4C-C3C-CAC-CBC
33	DB	1001	CYC	ND-C1D-CHD-C4C
33	EB	1001	CYC	NA-C4A-CHB-C1B
33	EB	1001	CYC	C3A-C4A-CHB-C1B
33	FB	1001	CYC	NA-C4A-CHB-C1B
33	FB	1001	CYC	C3A-C4A-CHB-C1B
33	FB	1001	CYC	C2C-C3C-CAC-CBC
33	FB	1001	CYC	C4C-C3C-CAC-CBC
33	GB	1001	CYC	NA-C4A-CHB-C1B
33	GB	1001	CYC	C3A-C4A-CHB-C1B
33	HB	1001	CYC	NA-C4A-CHB-C1B
33	HB	1001	CYC	C3A-C4A-CHB-C1B
33	HB	1001	CYC	C2C-C3C-CAC-CBC
33	HB	1001	CYC	C4C-C3C-CAC-CBC
33	HB	1001	CYC	ND-C1D-CHD-C4C
33	IB	1001	CYC	NA-C4A-CHB-C1B
33	IB	1001	CYC	C3A-C4A-CHB-C1B
33	IB	1001	CYC	C2C-C3C-CAC-CBC
33	IB	1001	CYC	C4C-C3C-CAC-CBC
33	JB	1001	CYC	C2C-C3C-CAC-CBC
33	JB	1001	CYC	C4C-C3C-CAC-CBC
33	KB	1001	CYC	NA-C4A-CHB-C1B
33	KB	1001	CYC	C3A-C4A-CHB-C1B
33	KB	1001	CYC	C2C-C3C-CAC-CBC
33	KB	1001	CYC	C4C-C3C-CAC-CBC
33	LB	1001	CYC	ND-C1D-CHD-C4C
33	MB	1001	CYC	NA-C4A-CHB-C1B
33	MB	1001	CYC	C3A-C4A-CHB-C1B
33	MB	1001	CYC	C2C-C3C-CAC-CBC
33	MB	1001	CYC	C4C-C3C-CAC-CBC
33	NB	1001	CYC	NA-C4A-CHB-C1B
33	NB	1001	CYC	C3A-C4A-CHB-C1B
33	NB	1001	CYC	C2C-C3C-CAC-CBC
33	NB	1001	CYC	C4C-C3C-CAC-CBC
33	CC	1001	CYC	NA-C4A-CHB-C1B

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Mol	Chain	Res	Type	Atoms
33	CC	1001	CYC	C3A-C4A-CHB-C1B
33	CC	1001	CYC	C2C-C3C-CAC-CBC
33	CC	1001	CYC	C4C-C3C-CAC-CBC
33	CC	1001	CYC	ND-C1D-CHD-C4C
33	CC	1001	CYC	C2D-C1D-CHD-C4C
33	DC	1001	CYC	NA-C4A-CHB-C1B
33	DC	1001	CYC	C3A-C4A-CHB-C1B
33	DC	1003	CYC	NA-C4A-CHB-C1B
33	DC	1003	CYC	C3A-C4A-CHB-C1B
33	DC	1003	CYC	C2C-C3C-CAC-CBC
33	DC	1003	CYC	C4C-C3C-CAC-CBC
33	DC	1003	CYC	ND-C1D-CHD-C4C
33	DC	1003	CYC	C2D-C1D-CHD-C4C
33	EC	1001	CYC	NA-C4A-CHB-C1B
33	EC	1001	CYC	C3A-C4A-CHB-C1B
33	FC	1001	CYC	NA-C4A-CHB-C1B
33	FC	1001	CYC	C3A-C4A-CHB-C1B
33	FC	1001	CYC	C2C-C3C-CAC-CBC
33	FC	1001	CYC	C4C-C3C-CAC-CBC
33	HC	1001	CYC	NA-C4A-CHB-C1B
33	HC	1001	CYC	C3A-C4A-CHB-C1B
33	HC	1001	CYC	C2D-C1D-CHD-C4C
33	JC	1001	CYC	NA-C4A-CHB-C1B
33	JC	1001	CYC	C3A-C4A-CHB-C1B
33	JC	1003	CYC	NA-C4A-CHB-C1B
33	JC	1003	CYC	C3A-C4A-CHB-C1B
33	KC	201	CYC	NA-C4A-CHB-C1B
33	KC	201	CYC	C3A-C4A-CHB-C1B
33	KC	201	CYC	C2C-C3C-CAC-CBC
33	KC	201	CYC	C4C-C3C-CAC-CBC
33	KC	201	CYC	ND-C1D-CHD-C4C
33	LC	1001	CYC	NA-C4A-CHB-C1B
33	LC	1001	CYC	C3A-C4A-CHB-C1B
33	LC	1001	CYC	C2C-C3C-CAC-CBC
33	LC	1001	CYC	C4C-C3C-CAC-CBC
33	LC	1003	CYC	NA-C4A-CHB-C1B
33	LC	1003	CYC	C3A-C4A-CHB-C1B
33	LC	1003	CYC	C2C-C3C-CAC-CBC
33	LC	1003	CYC	C4C-C3C-CAC-CBC
33	LC	1003	CYC	ND-C1D-CHD-C4C
33	LC	1003	CYC	C2D-C1D-CHD-C4C
33	NC	1001	CYC	NA-C4A-CHB-C1B

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Mol	Chain	Res	Type	Atoms
33	NC	1001	CYC	C3A-C4A-CHB-C1B
33	NC	1001	CYC	C2C-C3C-CAC-CBC
33	NC	1001	CYC	C4C-C3C-CAC-CBC
33	BD	1001	CYC	NA-C4A-CHB-C1B
33	BD	1001	CYC	C3A-C4A-CHB-C1B
33	BD	1001	CYC	C2C-C3C-CAC-CBC
33	BD	1001	CYC	C4C-C3C-CAC-CBC
33	BD	1001	CYC	ND-C1D-CHD-C4C
33	DD	1001	CYC	NA-C4A-CHB-C1B
33	DD	1001	CYC	C3A-C4A-CHB-C1B
33	DD	1001	CYC	C2C-C3C-CAC-CBC
33	DD	1001	CYC	C4C-C3C-CAC-CBC
33	ED	1001	CYC	NA-C4A-CHB-C1B
33	ED	1001	CYC	C3A-C4A-CHB-C1B
33	FD	201	CYC	NA-C4A-CHB-C1B
33	FD	201	CYC	C3A-C4A-CHB-C1B
33	FD	201	CYC	C2C-C3C-CAC-CBC
33	FD	201	CYC	C4C-C3C-CAC-CBC
33	FD	202	CYC	NA-C4A-CHB-C1B
33	FD	202	CYC	C3A-C4A-CHB-C1B
33	GD	201	CYC	NA-C4A-CHB-C1B
33	GD	201	CYC	C3A-C4A-CHB-C1B
33	GD	201	CYC	C2C-C3C-CAC-CBC
33	GD	201	CYC	C4C-C3C-CAC-CBC
33	HD	1001	CYC	NA-C4A-CHB-C1B
33	HD	1001	CYC	C3A-C4A-CHB-C1B
33	HD	1001	CYC	ND-C1D-CHD-C4C
33	ID	1001	CYC	NA-C4A-CHB-C1B
33	ID	1001	CYC	C3A-C4A-CHB-C1B
33	ID	1001	CYC	C2C-C3C-CAC-CBC
33	ID	1001	CYC	C4C-C3C-CAC-CBC
33	KD	202	CYC	NA-C4A-CHB-C1B
33	KD	202	CYC	C3A-C4A-CHB-C1B
33	KD	202	CYC	C2C-C3C-CAC-CBC
33	KD	202	CYC	C4C-C3C-CAC-CBC
33	KD	202	CYC	ND-C1D-CHD-C4C
33	KD	202	CYC	C2D-C1D-CHD-C4C
33	KD	202	CYC	C2D-C3D-CAD-CBD
33	KD	202	CYC	C4D-C3D-CAD-CBD
33	LD	1001	CYC	ND-C4D-CHA-C1A
33	LD	1001	CYC	C2C-C3C-CAC-CBC
33	LD	1001	CYC	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
33	LD	1001	CYC	C2D-C3D-CAD-CBD
33	LD	1001	CYC	C4D-C3D-CAD-CBD
33	MD	1001	CYC	NA-C4A-CHB-C1B
33	MD	1001	CYC	C3A-C4A-CHB-C1B
33	MD	1001	CYC	C2C-C3C-CAC-CBC
33	MD	1001	CYC	C4C-C3C-CAC-CBC
33	BE	1001	CYC	NA-C4A-CHB-C1B
33	BE	1001	CYC	C3A-C4A-CHB-C1B
33	BE	1001	CYC	C2C-C3C-CAC-CBC
33	BE	1001	CYC	C4C-C3C-CAC-CBC
33	BE	1001	CYC	ND-C1D-CHD-C4C
33	CE	1001	CYC	NA-C4A-CHB-C1B
33	CE	1001	CYC	C3A-C4A-CHB-C1B
33	DE	1001	CYC	NA-C4A-CHB-C1B
33	DE	1001	CYC	C3A-C4A-CHB-C1B
33	DE	1001	CYC	C2C-C3C-CAC-CBC
33	DE	1001	CYC	C4C-C3C-CAC-CBC
33	EE	1001	CYC	NA-C4A-CHB-C1B
33	EE	1001	CYC	C3A-C4A-CHB-C1B
33	FE	1001	CYC	NA-C4A-CHB-C1B
33	FE	1001	CYC	C3A-C4A-CHB-C1B
33	FE	1001	CYC	C2C-C3C-CAC-CBC
33	FE	1001	CYC	C4C-C3C-CAC-CBC
33	GE	201	CYC	NA-C4A-CHB-C1B
33	GE	201	CYC	C3A-C4A-CHB-C1B
33	GE	201	CYC	C2C-C3C-CAC-CBC
33	GE	201	CYC	C4C-C3C-CAC-CBC
33	HE	1001	CYC	NA-C4A-CHB-C1B
33	HE	1001	CYC	C3A-C4A-CHB-C1B
33	HE	1001	CYC	ND-C1D-CHD-C4C
33	IE	1001	CYC	NA-C4A-CHB-C1B
33	IE	1001	CYC	C3A-C4A-CHB-C1B
33	IE	1001	CYC	C2C-C3C-CAC-CBC
33	IE	1001	CYC	C4C-C3C-CAC-CBC
33	KE	202	CYC	NA-C4A-CHB-C1B
33	KE	202	CYC	C3A-C4A-CHB-C1B
33	LE	1001	CYC	ND-C4D-CHA-C1A
33	LE	1001	CYC	C2C-C3C-CAC-CBC
33	LE	1001	CYC	C4C-C3C-CAC-CBC
33	LE	1001	CYC	C2D-C3D-CAD-CBD
33	LE	1001	CYC	C4D-C3D-CAD-CBD
33	ME	1001	CYC	NA-C4A-CHB-C1B

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Mol	Chain	Res	Type	Atoms
33	ME	1001	CYC	C3A-C4A-CHB-C1B
33	ME	1001	CYC	C2C-C3C-CAC-CBC
33	ME	1001	CYC	C4C-C3C-CAC-CBC
33	L2	1001	CYC	NA-C4A-CHB-C1B
33	L2	1001	CYC	C3A-C4A-CHB-C1B
33	L2	1001	CYC	C2C-C3C-CAC-CBC
33	L2	1001	CYC	C4C-C3C-CAC-CBC
33	M2	201	CYC	NA-C4A-CHB-C1B
33	M2	201	CYC	C3A-C4A-CHB-C1B
33	N2	1001	CYC	NA-C4A-CHB-C1B
33	N2	1001	CYC	C3A-C4A-CHB-C1B
33	N2	1001	CYC	C2C-C3C-CAC-CBC
33	N2	1001	CYC	C4C-C3C-CAC-CBC
33	C2	1001	CYC	ND-C4D-CHA-C1A
33	C2	1001	CYC	NA-C4A-CHB-C1B
33	C2	1001	CYC	C3A-C4A-CHB-C1B
33	C2	1001	CYC	C2C-C3C-CAC-CBC
33	C2	1001	CYC	C4C-C3C-CAC-CBC
33	C2	1001	CYC	ND-C1D-CHD-C4C
33	C2	1001	CYC	C2D-C1D-CHD-C4C
33	D2	1001	CYC	NA-C4A-CHB-C1B
33	D2	1001	CYC	C3A-C4A-CHB-C1B
33	D2	1003	CYC	NA-C4A-CHB-C1B
33	D2	1003	CYC	C3A-C4A-CHB-C1B
33	D2	1003	CYC	C2C-C3C-CAC-CBC
33	D2	1003	CYC	C4C-C3C-CAC-CBC
33	D2	1003	CYC	ND-C1D-CHD-C4C
33	D2	1003	CYC	C2D-C1D-CHD-C4C
33	E2	1001	CYC	NA-C4A-CHB-C1B
33	E2	1001	CYC	C3A-C4A-CHB-C1B
33	F2	1001	CYC	NA-C4A-CHB-C1B
33	F2	1001	CYC	C3A-C4A-CHB-C1B
33	F2	1001	CYC	C2C-C3C-CAC-CBC
33	F2	1001	CYC	C4C-C3C-CAC-CBC
33	H2	1001	CYC	NA-C4A-CHB-C1B
33	H2	1001	CYC	C3A-C4A-CHB-C1B
33	H2	1001	CYC	C2D-C1D-CHD-C4C
33	I2	201	CYC	NA-C4A-CHB-C1B
33	I2	201	CYC	C3A-C4A-CHB-C1B
33	I2	201	CYC	C2C-C3C-CAC-CBC
33	I2	201	CYC	C4C-C3C-CAC-CBC
33	I2	201	CYC	ND-C1D-CHD-C4C

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Mol	Chain	Res	Type	Atoms
33	I2	201	CYC	C2D-C1D-CHD-C4C
33	J2	1001	CYC	NA-C4A-CHB-C1B
33	J2	1001	CYC	C3A-C4A-CHB-C1B
33	K2	201	CYC	NA-C4A-CHB-C1B
33	K2	201	CYC	C3A-C4A-CHB-C1B
33	K2	201	CYC	C2C-C3C-CAC-CBC
33	K2	201	CYC	C4C-C3C-CAC-CBC
33	K2	201	CYC	ND-C1D-CHD-C4C
33	A3	1001	CYC	ND-C1D-CHD-C4C
33	A3	1001	CYC	C2D-C1D-CHD-C4C
33	B3	1001	CYC	ND-C1D-CHD-C4C
33	B3	1001	CYC	C2D-C1D-CHD-C4C
33	C3	1001	CYC	ND-C1D-CHD-C4C
33	C3	1001	CYC	C2D-C1D-CHD-C4C
33	D3	1001	CYC	ND-C1D-CHD-C4C
33	D3	1001	CYC	C2D-C1D-CHD-C4C
33	E3	1001	CYC	ND-C1D-CHD-C4C
33	E3	1001	CYC	C2D-C1D-CHD-C4C
33	F3	1001	CYC	ND-C1D-CHD-C4C
33	F3	1001	CYC	C2D-C1D-CHD-C4C
33	G3	1001	CYC	ND-C1D-CHD-C4C
33	G3	1001	CYC	C2D-C1D-CHD-C4C
33	H3	1001	CYC	ND-C1D-CHD-C4C
33	H3	1001	CYC	C2D-C1D-CHD-C4C
33	I3	1001	CYC	ND-C1D-CHD-C4C
33	I3	1001	CYC	C2D-C1D-CHD-C4C
33	J3	1001	CYC	ND-C1D-CHD-C4C
33	J3	1001	CYC	C2D-C1D-CHD-C4C
33	K3	1001	CYC	ND-C1D-CHD-C4C
33	K3	1001	CYC	C2D-C1D-CHD-C4C
33	L3	1001	CYC	ND-C1D-CHD-C4C
33	L3	1001	CYC	C2D-C1D-CHD-C4C
33	M3	1001	CYC	ND-C1D-CHD-C4C
33	M3	1001	CYC	C2D-C1D-CHD-C4C
33	N3	1001	CYC	ND-C1D-CHD-C4C
33	N3	1001	CYC	C2D-C1D-CHD-C4C
33	O3	1001	CYC	ND-C1D-CHD-C4C
33	O3	1001	CYC	C2D-C1D-CHD-C4C
33	P3	1001	CYC	ND-C1D-CHD-C4C
33	P3	1001	CYC	C2D-C1D-CHD-C4C
33	Q3	1001	CYC	ND-C1D-CHD-C4C
33	Q3	1001	CYC	C2D-C1D-CHD-C4C

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Mol	Chain	Res	Type	Atoms
33	R3	1001	CYC	ND-C1D-CHD-C4C
33	R3	1001	CYC	C2D-C1D-CHD-C4C
33	S3	1001	CYC	ND-C1D-CHD-C4C
33	S3	1001	CYC	C2D-C1D-CHD-C4C
33	T3	1001	CYC	ND-C1D-CHD-C4C
33	T3	1001	CYC	C2D-C1D-CHD-C4C
33	U3	1001	CYC	ND-C1D-CHD-C4C
33	U3	1001	CYC	C2D-C1D-CHD-C4C
33	V3	1001	CYC	ND-C1D-CHD-C4C
33	V3	1001	CYC	C2D-C1D-CHD-C4C
33	W3	1001	CYC	ND-C1D-CHD-C4C
33	W3	1001	CYC	C2D-C1D-CHD-C4C
33	c3	1001	CYC	ND-C1D-CHD-C4C
33	c3	1001	CYC	C2D-C1D-CHD-C4C
33	d3	1001	CYC	ND-C1D-CHD-C4C
33	d3	1001	CYC	C2D-C1D-CHD-C4C
33	e3	1001	CYC	ND-C1D-CHD-C4C
33	e3	1001	CYC	C2D-C1D-CHD-C4C
33	f3	1001	CYC	ND-C1D-CHD-C4C
33	f3	1001	CYC	C2D-C1D-CHD-C4C
33	g3	1001	CYC	ND-C1D-CHD-C4C
33	g3	1001	CYC	C2D-C1D-CHD-C4C
33	h3	1001	CYC	ND-C1D-CHD-C4C
33	h3	1001	CYC	C2D-C1D-CHD-C4C
33	i3	1001	CYC	ND-C1D-CHD-C4C
33	i3	1001	CYC	C2D-C1D-CHD-C4C
33	j3	1001	CYC	ND-C1D-CHD-C4C
33	j3	1001	CYC	C2D-C1D-CHD-C4C
33	k3	1001	CYC	ND-C1D-CHD-C4C
33	k3	1001	CYC	C2D-C1D-CHD-C4C
33	l3	1001	CYC	ND-C1D-CHD-C4C
33	l3	1001	CYC	C2D-C1D-CHD-C4C
33	m3	1001	CYC	ND-C1D-CHD-C4C
33	m3	1001	CYC	C2D-C1D-CHD-C4C
33	n3	1001	CYC	ND-C1D-CHD-C4C
33	n3	1001	CYC	C2D-C1D-CHD-C4C
33	o3	1001	CYC	ND-C1D-CHD-C4C
33	o3	1001	CYC	C2D-C1D-CHD-C4C
33	p3	1001	CYC	ND-C1D-CHD-C4C
33	p3	1001	CYC	C2D-C1D-CHD-C4C
33	q3	1001	CYC	ND-C1D-CHD-C4C
33	q3	1001	CYC	C2D-C1D-CHD-C4C

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Mol	Chain	Res	Type	Atoms
33	r3	1001	CYC	ND-C1D-CHD-C4C
33	r3	1001	CYC	C2D-C1D-CHD-C4C
33	t3	1001	CYC	ND-C1D-CHD-C4C
33	t3	1001	CYC	C2D-C1D-CHD-C4C
33	u3	1001	CYC	ND-C1D-CHD-C4C
33	u3	1001	CYC	C2D-C1D-CHD-C4C
33	v3	1001	CYC	ND-C1D-CHD-C4C
33	v3	1001	CYC	C2D-C1D-CHD-C4C
33	w3	1001	CYC	ND-C1D-CHD-C4C
33	w3	1001	CYC	C2D-C1D-CHD-C4C
33	x3	1001	CYC	ND-C1D-CHD-C4C
33	x3	1001	CYC	C2D-C1D-CHD-C4C
33	y3	1001	CYC	ND-C1D-CHD-C4C
33	y3	1001	CYC	C2D-C1D-CHD-C4C
33	63	901	CYC	C3A-C4A-CHB-C1B
33	63	901	CYC	ND-C1D-CHD-C4C
33	63	901	CYC	C2D-C1D-CHD-C4C
33	73	1001	CYC	ND-C1D-CHD-C4C
33	73	1001	CYC	C2D-C1D-CHD-C4C
33	73	1002	CYC	C3A-C4A-CHB-C1B
33	F6	1001	CYC	NA-C4A-CHB-C1B
33	F6	1001	CYC	C3A-C4A-CHB-C1B
33	F6	1001	CYC	C2C-C3C-CAC-CBC
33	F6	1001	CYC	C4C-C3C-CAC-CBC
33	G6	1001	CYC	NA-C4A-CHB-C1B
33	G6	1001	CYC	C3A-C4A-CHB-C1B
33	H6	1001	CYC	NA-C4A-CHB-C1B
33	H6	1001	CYC	C3A-C4A-CHB-C1B
33	H6	1001	CYC	C2C-C3C-CAC-CBC
33	H6	1001	CYC	C4C-C3C-CAC-CBC
33	H6	1001	CYC	ND-C1D-CHD-C4C
33	I6	1001	CYC	NA-C4A-CHB-C1B
33	I6	1001	CYC	C3A-C4A-CHB-C1B
33	I6	1001	CYC	C2C-C3C-CAC-CBC
33	I6	1001	CYC	C4C-C3C-CAC-CBC
33	J6	1001	CYC	C2C-C3C-CAC-CBC
33	J6	1001	CYC	C4C-C3C-CAC-CBC
33	K6	1001	CYC	NA-C4A-CHB-C1B
33	K6	1001	CYC	C3A-C4A-CHB-C1B
33	K6	1001	CYC	C2C-C3C-CAC-CBC
33	K6	1001	CYC	C4C-C3C-CAC-CBC
33	L6	1001	CYC	ND-C1D-CHD-C4C

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Mol	Chain	Res	Type	Atoms
33	M6	1001	CYC	NA-C4A-CHB-C1B
33	M6	1001	CYC	C3A-C4A-CHB-C1B
33	M6	1001	CYC	C2C-C3C-CAC-CBC
33	M6	1001	CYC	C4C-C3C-CAC-CBC
33	N6	1001	CYC	NA-C4A-CHB-C1B
33	N6	1001	CYC	C3A-C4A-CHB-C1B
33	N6	1001	CYC	C2C-C3C-CAC-CBC
33	N6	1001	CYC	C4C-C3C-CAC-CBC
33	C6	1001	CYC	NA-C4A-CHB-C1B
33	C6	1001	CYC	C3A-C4A-CHB-C1B
33	C6	1001	CYC	C2C-C3C-CAC-CBC
33	C6	1001	CYC	C4C-C3C-CAC-CBC
33	D6	1001	CYC	NA-C4A-CHB-C1B
33	D6	1001	CYC	C3A-C4A-CHB-C1B
33	D6	1001	CYC	C2C-C3C-CAC-CBC
33	D6	1001	CYC	C4C-C3C-CAC-CBC
33	D6	1001	CYC	ND-C1D-CHD-C4C
33	E6	1001	CYC	NA-C4A-CHB-C1B
33	E6	1001	CYC	C3A-C4A-CHB-C1B
32	y8	302	PUB	C2D-C3D-CAD-CBD
32	yF	302	PUB	C2D-C3D-CAD-CBD
33	ED	1001	CYC	C2B-C3B-CAB-CBB
33	EE	1001	CYC	C2B-C3B-CAB-CBB
31	H4	202	PEB	C2B-C3B-CAB-CBB
31	k6	203	PEB	C2B-C3B-CAB-CBB
31	kB	203	PEB	C2B-C3B-CAB-CBB
32	CI	203	PUB	C3C-C2C-CAC-CBC
32	ZI	305	PUB	C3C-C2C-CAC-CBC
33	BD	1001	CYC	C2B-C3B-CAB-CBB
33	BE	1001	CYC	C2B-C3B-CAB-CBB
31	GD	202	PEB	C4B-C3B-CAB-CBB
31	JE	201	PEB	C4B-C3B-CAB-CBB
31	DG	201	PEB	C4B-C3B-CAB-CBB
31	HK	203	PEB	C4B-C3B-CAB-CBB
31	H1	203	PEB	C4B-C3B-CAB-CBB
31	H4	202	PEB	C4B-C3B-CAB-CBB
31	g6	203	PEB	C4B-C3B-CAB-CBB
31	gB	203	PEB	C4B-C3B-CAB-CBB
32	CI	203	PUB	C1C-C2C-CAC-CBC
32	ZI	305	PUB	C1C-C2C-CAC-CBC
32	AC	304	PUB	C4A-C3A-CAA-CBA
32	A2	304	PUB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
33	FD	202	CYC	C2B-C3B-CAB-CBB
33	CE	1001	CYC	C2B-C3B-CAB-CBB
31	B9	201	PEB	C2B-C3B-CAB-CBB
33	N6	1001	CYC	C3A-C2A-CAA-CBA
33	W3	1001	CYC	C2B-C3B-CAB-CBB
33	y3	1001	CYC	C2B-C3B-CAB-CBB
31	KA	303	PEB	C3B-CAB-CBB-CGB
31	AB	305	PEB	C3B-CAB-CBB-CGB
31	HB	1002	PEB	C3B-CAB-CBB-CGB
31	JB	1002	PEB	C3B-CAB-CBB-CGB
31	RB	203	PEB	C3B-CAB-CBB-CGB
31	YB	203	PEB	C3B-CAB-CBB-CGB
31	DC	1002	PEB	C3B-CAB-CBB-CGB
31	FC	1002	PEB	C3B-CAB-CBB-CGB
31	JC	1002	PEB	C3B-CAB-CBB-CGB
31	OC	202	PEB	C3B-CAB-CBB-CGB
31	QC	202	PEB	C3B-CAB-CBB-CGB
31	OD	202	PEB	C3B-CAB-CBB-CGB
31	PD	201	PEB	C3B-CAB-CBB-CGB
31	QD	203	PEB	C3B-CAB-CBB-CGB
31	WD	203	PEB	C3B-CAB-CBB-CGB
31	OE	202	PEB	C3B-CAB-CBB-CGB
31	PE	201	PEB	C3B-CAB-CBB-CGB
31	QE	203	PEB	C3B-CAB-CBB-CGB
31	WE	203	PEB	C3B-CAB-CBB-CGB
31	DF	202	PEB	C3B-CAB-CBB-CGB
31	GF	202	PEB	C3B-CAB-CBB-CGB
31	IF	201	PEB	C3B-CAB-CBB-CGB
31	KF	203	PEB	C3B-CAB-CBB-CGB
31	OF	201	PEB	C3B-CAB-CBB-CGB
31	PF	201	PEB	C3B-CAB-CBB-CGB
31	ZF	201	PEB	C3B-CAB-CBB-CGB
31	AH	301	PEB	C3B-CAB-CBB-CGB
31	EH	203	PEB	C3B-CAB-CBB-CGB
31	UH	203	PEB	C3B-CAB-CBB-CGB
31	BI	201	PEB	C3B-CAB-CBB-CGB
31	DI	203	PEB	C3B-CAB-CBB-CGB
31	FI	203	PEB	C3B-CAB-CBB-CGB
31	HI	202	PEB	C3B-CAB-CBB-CGB
31	JI	201	PEB	C3B-CAB-CBB-CGB
31	JI	203	PEB	C3B-CAB-CBB-CGB
31	LI	203	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	UI	203	PEB	C3B-CAB-CBB-CGB
31	WI	201	PEB	C3B-CAB-CBB-CGB
31	YI	201	PEB	C3B-CAB-CBB-CGB
31	YI	203	PEB	C3B-CAB-CBB-CGB
31	AJ	301	PEB	C3B-CAB-CBB-CGB
31	HJ	202	PEB	C3B-CAB-CBB-CGB
31	MJ	202	PEB	C3B-CAB-CBB-CGB
31	NJ	202	PEB	C3B-CAB-CBB-CGB
31	EK	201	PEB	C3B-CAB-CBB-CGB
31	OK	201	PEB	C3B-CAB-CBB-CGB
31	YK	303	PEB	C3B-CAB-CBB-CGB
31	E1	201	PEB	C3B-CAB-CBB-CGB
31	O1	201	PEB	C3B-CAB-CBB-CGB
31	Y1	303	PEB	C3B-CAB-CBB-CGB
31	O2	202	PEB	C3B-CAB-CBB-CGB
31	Q2	202	PEB	C3B-CAB-CBB-CGB
31	D2	1002	PEB	C3B-CAB-CBB-CGB
31	F2	1002	PEB	C3B-CAB-CBB-CGB
31	J2	1002	PEB	C3B-CAB-CBB-CGB
31	g2	201	PEB	C3B-CAB-CBB-CGB
31	h2	201	PEB	C3B-CAB-CBB-CGB
31	i2	202	PEB	C3B-CAB-CBB-CGB
31	l2	203	PEB	C3B-CAB-CBB-CGB
31	H4	202	PEB	C3B-CAB-CBB-CGB
31	S4	201	PEB	C3B-CAB-CBB-CGB
31	d4	202	PEB	C3B-CAB-CBB-CGB
31	M5	202	PEB	C3B-CAB-CBB-CGB
31	N5	202	PEB	C3B-CAB-CBB-CGB
31	A5	301	PEB	C3B-CAB-CBB-CGB
31	H5	202	PEB	C3B-CAB-CBB-CGB
31	H6	1002	PEB	C3B-CAB-CBB-CGB
31	J6	1002	PEB	C3B-CAB-CBB-CGB
31	A6	305	PEB	C3B-CAB-CBB-CGB
31	R6	203	PEB	C3B-CAB-CBB-CGB
31	Y6	203	PEB	C3B-CAB-CBB-CGB
31	i6	203	PEB	C3B-CAB-CBB-CGB
31	Z8	201	PEB	C3B-CAB-CBB-CGB
31	D8	202	PEB	C3B-CAB-CBB-CGB
31	G8	202	PEB	C3B-CAB-CBB-CGB
31	I8	201	PEB	C3B-CAB-CBB-CGB
31	K8	203	PEB	C3B-CAB-CBB-CGB
31	O8	201	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	P8	201	PEB	C3B-CAB-CBB-CGB
31	a8	201	PEB	C3B-CAB-CBB-CGB
31	d8	202	PEB	C3B-CAB-CBB-CGB
31	j8	201	PEB	C3B-CAB-CBB-CGB
31	l8	201	PEB	C3B-CAB-CBB-CGB
31	l8	203	PEB	C3B-CAB-CBB-CGB
31	q8	202	PEB	C3B-CAB-CBB-CGB
31	r8	202	PEB	C3B-CAB-CBB-CGB
31	w8	302	PEB	C3B-CAB-CBB-CGB
31	L9	201	PEB	C3B-CAB-CBB-CGB
31	L9	203	PEB	C3B-CAB-CBB-CGB
31	M9	302	PEB	C3B-CAB-CBB-CGB
31	Q9	203	PEB	C3B-CAB-CBB-CGB
31	U9	203	PEB	C3B-CAB-CBB-CGB
31	Z9	302	PEB	C3B-CAB-CBB-CGB
31	aA	202	PEB	C3B-CAB-CBB-CGB
31	iB	203	PEB	C3B-CAB-CBB-CGB
31	gC	201	PEB	C3B-CAB-CBB-CGB
31	gC	203	PEB	C3B-CAB-CBB-CGB
31	iC	202	PEB	C3B-CAB-CBB-CGB
31	lC	202	PEB	C3B-CAB-CBB-CGB
31	fD	202	PEB	C3B-CAB-CBB-CGB
31	hD	202	PEB	C3B-CAB-CBB-CGB
31	lD	202	PEB	C3B-CAB-CBB-CGB
31	fE	202	PEB	C3B-CAB-CBB-CGB
31	hE	202	PEB	C3B-CAB-CBB-CGB
31	lE	202	PEB	C3B-CAB-CBB-CGB
31	aF	201	PEB	C3B-CAB-CBB-CGB
31	dF	202	PEB	C3B-CAB-CBB-CGB
31	jF	201	PEB	C3B-CAB-CBB-CGB
31	lF	201	PEB	C3B-CAB-CBB-CGB
31	lF	203	PEB	C3B-CAB-CBB-CGB
31	qF	202	PEB	C3B-CAB-CBB-CGB
31	rF	202	PEB	C3B-CAB-CBB-CGB
31	wF	302	PEB	C3B-CAB-CBB-CGB
31	aH	201	PEB	C3B-CAB-CBB-CGB
31	aH	202	PEB	C3B-CAB-CBB-CGB
31	lH	203	PEB	C3B-CAB-CBB-CGB
32	AD	302	PUB	C2C-CAC-CBC-CGC
32	AE	302	PUB	C2C-CAC-CBC-CGC
32	AH	304	PUB	C2C-CAC-CBC-CGC
32	CI	203	PUB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
32	ZI	305	PUB	C2C-CAC-CBC-CGC
32	A4	304	PUB	C2C-CAC-CBC-CGC
32	M9	305	PUB	C2C-CAC-CBC-CGC
32	Z9	305	PUB	C2C-CAC-CBC-CGC
33	LC	1001	CYC	C2A-CAA-CBA-CGA
33	L2	1001	CYC	C2A-CAA-CBA-CGA
33	L3	1001	CYC	NA-C4A-CHB-C1B
33	j3	1001	CYC	NA-C4A-CHB-C1B
33	o3	1001	CYC	NA-C4A-CHB-C1B
33	u3	1001	CYC	NA-C4A-CHB-C1B
31	VC	201	PEB	C2B-C1B-CHA-C4A
31	BG	202	PEB	C2B-C1B-CHA-C4A
31	V2	201	PEB	C2B-C1B-CHA-C4A
31	c2	202	PEB	C2B-C1B-CHA-C4A
31	g8	201	PEB	C2B-C1B-CHA-C4A
31	j8	201	PEB	C2B-C1B-CHA-C4A
31	cC	202	PEB	C2B-C1B-CHA-C4A
31	gF	201	PEB	C2B-C1B-CHA-C4A
31	jF	201	PEB	C2B-C1B-CHA-C4A
33	EB	1001	CYC	C2B-C3B-CAB-CBB
33	E6	1001	CYC	C2B-C3B-CAB-CBB
31	B9	201	PEB	C4B-C3B-CAB-CBB
33	NB	1001	CYC	C1A-C2A-CAA-CBA
33	N6	1001	CYC	C1A-C2A-CAA-CBA
33	GB	1001	CYC	C2B-C3B-CAB-CBB
33	ID	1001	CYC	C2B-C3B-CAB-CBB
33	G6	1001	CYC	C2B-C3B-CAB-CBB
33	NB	1001	CYC	C3A-C2A-CAA-CBA
33	IE	1001	CYC	C2B-C3B-CAB-CBB
33	KE	202	CYC	C2B-C3B-CAB-CBB
33	NB	1001	CYC	C2B-C3B-CAB-CBB
31	HA	201	PEB	C2C-CAC-CBC-CGC
31	HA	203	PEB	C2C-CAC-CBC-CGC
31	IA	202	PEB	C2C-CAC-CBC-CGC
31	KA	302	PEB	C2C-CAC-CBC-CGC
31	MA	202	PEB	C2C-CAC-CBC-CGC
31	QA	201	PEB	C2C-CAC-CBC-CGC
31	UA	304	PEB	C2C-CAC-CBC-CGC
31	AB	301	PEB	C2C-CAC-CBC-CGC
31	NB	1002	PEB	C2C-CAC-CBC-CGC
31	VB	202	PEB	C2C-CAC-CBC-CGC
31	FC	1002	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	JC	1002	PEB	C2C-CAC-CBC-CGC
31	QC	201	PEB	C2C-CAC-CBC-CGC
31	RC	201	PEB	C2C-CAC-CBC-CGC
31	RC	202	PEB	C2C-CAC-CBC-CGC
31	SC	202	PEB	C2C-CAC-CBC-CGC
31	TC	202	PEB	C2C-CAC-CBC-CGC
31	UC	203	PEB	C2C-CAC-CBC-CGC
31	ZC	201	PEB	C2C-CAC-CBC-CGC
31	ZC	203	PEB	C2C-CAC-CBC-CGC
31	DD	1002	PEB	C2C-CAC-CBC-CGC
31	KD	201	PEB	C2C-CAC-CBC-CGC
31	LD	1002	PEB	C2C-CAC-CBC-CGC
31	ND	201	PEB	C2C-CAC-CBC-CGC
31	QD	201	PEB	C2C-CAC-CBC-CGC
31	WD	202	PEB	C2C-CAC-CBC-CGC
31	DE	1002	PEB	C2C-CAC-CBC-CGC
31	KE	201	PEB	C2C-CAC-CBC-CGC
31	LE	1002	PEB	C2C-CAC-CBC-CGC
31	NE	201	PEB	C2C-CAC-CBC-CGC
31	QE	201	PEB	C2C-CAC-CBC-CGC
31	WE	201	PEB	C2C-CAC-CBC-CGC
31	DF	202	PEB	C2C-CAC-CBC-CGC
31	DF	203	PEB	C2C-CAC-CBC-CGC
31	JF	201	PEB	C2C-CAC-CBC-CGC
31	LF	202	PEB	C2C-CAC-CBC-CGC
31	OF	203	PEB	C2C-CAC-CBC-CGC
31	QF	203	PEB	C2C-CAC-CBC-CGC
31	RF	202	PEB	C2C-CAC-CBC-CGC
31	VF	201	PEB	C2C-CAC-CBC-CGC
31	ZF	202	PEB	C2C-CAC-CBC-CGC
31	AG	201	PEB	C2C-CAC-CBC-CGC
31	AG	202	PEB	C2C-CAC-CBC-CGC
31	CG	201	PEB	C2C-CAC-CBC-CGC
31	CG	202	PEB	C2C-CAC-CBC-CGC
31	EG	201	PEB	C2C-CAC-CBC-CGC
31	EG	202	PEB	C2C-CAC-CBC-CGC
31	FG	202	PEB	C2C-CAC-CBC-CGC
31	GG	202	PEB	C2C-CAC-CBC-CGC
31	GG	203	PEB	C2C-CAC-CBC-CGC
31	IG	201	PEB	C2C-CAC-CBC-CGC
31	IG	202	PEB	C2C-CAC-CBC-CGC
31	KG	202	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	KG	203	PEB	C2C-CAC-CBC-CGC
31	NG	201	PEB	C2C-CAC-CBC-CGC
31	NG	202	PEB	C2C-CAC-CBC-CGC
31	PG	201	PEB	C2C-CAC-CBC-CGC
31	PG	202	PEB	C2C-CAC-CBC-CGC
31	RG	201	PEB	C2C-CAC-CBC-CGC
31	RG	202	PEB	C2C-CAC-CBC-CGC
31	TG	202	PEB	C2C-CAC-CBC-CGC
31	TG	203	PEB	C2C-CAC-CBC-CGC
31	VG	201	PEB	C2C-CAC-CBC-CGC
31	VG	202	PEB	C2C-CAC-CBC-CGC
31	WG	203	PEB	C2C-CAC-CBC-CGC
31	XG	201	PEB	C2C-CAC-CBC-CGC
31	XG	202	PEB	C2C-CAC-CBC-CGC
31	CH	202	PEB	C2C-CAC-CBC-CGC
31	FH	202	PEB	C2C-CAC-CBC-CGC
31	IH	202	PEB	C2C-CAC-CBC-CGC
31	NH	201	PEB	C2C-CAC-CBC-CGC
31	OH	201	PEB	C2C-CAC-CBC-CGC
31	RH	202	PEB	C2C-CAC-CBC-CGC
31	SH	201	PEB	C2C-CAC-CBC-CGC
31	UH	202	PEB	C2C-CAC-CBC-CGC
31	YH	202	PEB	C2C-CAC-CBC-CGC
31	BI	202	PEB	C2C-CAC-CBC-CGC
31	DI	201	PEB	C2C-CAC-CBC-CGC
31	FI	202	PEB	C2C-CAC-CBC-CGC
31	MI	302	PEB	C2C-CAC-CBC-CGC
31	QI	202	PEB	C2C-CAC-CBC-CGC
31	UI	201	PEB	C2C-CAC-CBC-CGC
31	WI	202	PEB	C2C-CAC-CBC-CGC
31	ZI	301	PEB	C2C-CAC-CBC-CGC
31	BJ	203	PEB	C2C-CAC-CBC-CGC
31	EJ	201	PEB	C2C-CAC-CBC-CGC
31	EJ	202	PEB	C2C-CAC-CBC-CGC
31	GJ	201	PEB	C2C-CAC-CBC-CGC
31	HJ	201	PEB	C2C-CAC-CBC-CGC
31	HJ	202	PEB	C2C-CAC-CBC-CGC
31	JJ	201	PEB	C2C-CAC-CBC-CGC
31	JJ	202	PEB	C2C-CAC-CBC-CGC
31	MJ	201	PEB	C2C-CAC-CBC-CGC
31	MJ	202	PEB	C2C-CAC-CBC-CGC
31	SJ	201	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	SJ	202	PEB	C2C-CAC-CBC-CGC
31	TJ	201	PEB	C2C-CAC-CBC-CGC
31	TJ	203	PEB	C2C-CAC-CBC-CGC
31	AK	202	PEB	C2C-CAC-CBC-CGC
31	CK	202	PEB	C2C-CAC-CBC-CGC
31	DK	203	PEB	C2C-CAC-CBC-CGC
31	EK	201	PEB	C2C-CAC-CBC-CGC
31	EK	202	PEB	C2C-CAC-CBC-CGC
31	IK	201	PEB	C2C-CAC-CBC-CGC
31	JK	202	PEB	C2C-CAC-CBC-CGC
31	JK	203	PEB	C2C-CAC-CBC-CGC
31	KK	201	PEB	C2C-CAC-CBC-CGC
31	LK	201	PEB	C2C-CAC-CBC-CGC
31	MK	202	PEB	C2C-CAC-CBC-CGC
31	TK	201	PEB	C2C-CAC-CBC-CGC
31	UK	202	PEB	C2C-CAC-CBC-CGC
31	VK	201	PEB	C2C-CAC-CBC-CGC
31	VK	203	PEB	C2C-CAC-CBC-CGC
31	WK	202	PEB	C2C-CAC-CBC-CGC
31	YK	303	PEB	C2C-CAC-CBC-CGC
31	A1	202	PEB	C2C-CAC-CBC-CGC
31	C1	202	PEB	C2C-CAC-CBC-CGC
31	D1	203	PEB	C2C-CAC-CBC-CGC
31	E1	201	PEB	C2C-CAC-CBC-CGC
31	E1	202	PEB	C2C-CAC-CBC-CGC
31	I1	201	PEB	C2C-CAC-CBC-CGC
31	J1	202	PEB	C2C-CAC-CBC-CGC
31	J1	203	PEB	C2C-CAC-CBC-CGC
31	K1	201	PEB	C2C-CAC-CBC-CGC
31	L1	201	PEB	C2C-CAC-CBC-CGC
31	M1	202	PEB	C2C-CAC-CBC-CGC
31	T1	201	PEB	C2C-CAC-CBC-CGC
31	U1	202	PEB	C2C-CAC-CBC-CGC
31	V1	201	PEB	C2C-CAC-CBC-CGC
31	V1	203	PEB	C2C-CAC-CBC-CGC
31	W1	202	PEB	C2C-CAC-CBC-CGC
31	Y1	303	PEB	C2C-CAC-CBC-CGC
31	Q2	201	PEB	C2C-CAC-CBC-CGC
31	R2	201	PEB	C2C-CAC-CBC-CGC
31	R2	202	PEB	C2C-CAC-CBC-CGC
31	S2	202	PEB	C2C-CAC-CBC-CGC
31	T2	202	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	U2	203	PEB	C2C-CAC-CBC-CGC
31	F2	1002	PEB	C2C-CAC-CBC-CGC
31	J2	1002	PEB	C2C-CAC-CBC-CGC
31	Z2	201	PEB	C2C-CAC-CBC-CGC
31	Z2	203	PEB	C2C-CAC-CBC-CGC
31	h2	203	PEB	C2C-CAC-CBC-CGC
31	j2	201	PEB	C2C-CAC-CBC-CGC
31	j2	202	PEB	C2C-CAC-CBC-CGC
31	j2	203	PEB	C2C-CAC-CBC-CGC
31	k2	201	PEB	C2C-CAC-CBC-CGC
31	l2	201	PEB	C2C-CAC-CBC-CGC
31	A4	301	PEB	C2C-CAC-CBC-CGC
31	B4	301	PEB	C2C-CAC-CBC-CGC
31	C4	201	PEB	C2C-CAC-CBC-CGC
31	F4	201	PEB	C2C-CAC-CBC-CGC
31	G4	201	PEB	C2C-CAC-CBC-CGC
31	G4	202	PEB	C2C-CAC-CBC-CGC
31	J4	202	PEB	C2C-CAC-CBC-CGC
31	L4	202	PEB	C2C-CAC-CBC-CGC
31	N4	201	PEB	C2C-CAC-CBC-CGC
31	O4	201	PEB	C2C-CAC-CBC-CGC
31	P4	202	PEB	C2C-CAC-CBC-CGC
31	R4	201	PEB	C2C-CAC-CBC-CGC
31	R4	202	PEB	C2C-CAC-CBC-CGC
31	S4	201	PEB	C2C-CAC-CBC-CGC
31	S4	202	PEB	C2C-CAC-CBC-CGC
31	T4	202	PEB	C2C-CAC-CBC-CGC
31	V4	202	PEB	C2C-CAC-CBC-CGC
31	W4	202	PEB	C2C-CAC-CBC-CGC
31	X4	201	PEB	C2C-CAC-CBC-CGC
31	Z4	202	PEB	C2C-CAC-CBC-CGC
31	d4	202	PEB	C2C-CAC-CBC-CGC
31	d4	203	PEB	C2C-CAC-CBC-CGC
31	f4	201	PEB	C2C-CAC-CBC-CGC
31	i4	202	PEB	C2C-CAC-CBC-CGC
31	l4	203	PEB	C2C-CAC-CBC-CGC
31	m4	201	PEB	C2C-CAC-CBC-CGC
31	M5	201	PEB	C2C-CAC-CBC-CGC
31	M5	202	PEB	C2C-CAC-CBC-CGC
31	S5	201	PEB	C2C-CAC-CBC-CGC
31	S5	202	PEB	C2C-CAC-CBC-CGC
31	T5	201	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	T5	203	PEB	C2C-CAC-CBC-CGC
31	B5	203	PEB	C2C-CAC-CBC-CGC
31	E5	201	PEB	C2C-CAC-CBC-CGC
31	E5	202	PEB	C2C-CAC-CBC-CGC
31	G5	201	PEB	C2C-CAC-CBC-CGC
31	H5	201	PEB	C2C-CAC-CBC-CGC
31	H5	202	PEB	C2C-CAC-CBC-CGC
31	J5	201	PEB	C2C-CAC-CBC-CGC
31	J5	202	PEB	C2C-CAC-CBC-CGC
31	N6	1002	PEB	C2C-CAC-CBC-CGC
31	A6	301	PEB	C2C-CAC-CBC-CGC
31	V6	202	PEB	C2C-CAC-CBC-CGC
31	k6	202	PEB	C2C-CAC-CBC-CGC
31	h6	202	PEB	C2C-CAC-CBC-CGC
31	D7	201	PEB	C2C-CAC-CBC-CGC
31	E7	202	PEB	C2C-CAC-CBC-CGC
31	J7	201	PEB	C2C-CAC-CBC-CGC
31	b7	503	PEB	C2C-CAC-CBC-CGC
31	R7	201	PEB	C2C-CAC-CBC-CGC
31	S7	203	PEB	C2C-CAC-CBC-CGC
31	T7	201	PEB	C2C-CAC-CBC-CGC
31	X7	201	PEB	C2C-CAC-CBC-CGC
31	Z8	202	PEB	C2C-CAC-CBC-CGC
31	D8	202	PEB	C2C-CAC-CBC-CGC
31	D8	203	PEB	C2C-CAC-CBC-CGC
31	J8	201	PEB	C2C-CAC-CBC-CGC
31	L8	202	PEB	C2C-CAC-CBC-CGC
31	O8	203	PEB	C2C-CAC-CBC-CGC
31	Q8	203	PEB	C2C-CAC-CBC-CGC
31	R8	202	PEB	C2C-CAC-CBC-CGC
31	b8	202	PEB	C2C-CAC-CBC-CGC
31	g8	202	PEB	C2C-CAC-CBC-CGC
31	h8	202	PEB	C2C-CAC-CBC-CGC
31	i8	201	PEB	C2C-CAC-CBC-CGC
31	i8	203	PEB	C2C-CAC-CBC-CGC
31	j8	202	PEB	C2C-CAC-CBC-CGC
31	o8	203	PEB	C2C-CAC-CBC-CGC
31	p8	202	PEB	C2C-CAC-CBC-CGC
31	q8	203	PEB	C2C-CAC-CBC-CGC
31	t8	201	PEB	C2C-CAC-CBC-CGC
31	t8	203	PEB	C2C-CAC-CBC-CGC
31	u8	202	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	w8	303	PEB	C2C-CAC-CBC-CGC
31	x8	302	PEB	C2C-CAC-CBC-CGC
31	x8	303	PEB	C2C-CAC-CBC-CGC
31	x8	304	PEB	C2C-CAC-CBC-CGC
31	A9	201	PEB	C2C-CAC-CBC-CGC
31	B9	203	PEB	C2C-CAC-CBC-CGC
31	C9	201	PEB	C2C-CAC-CBC-CGC
31	D9	203	PEB	C2C-CAC-CBC-CGC
31	E9	201	PEB	C2C-CAC-CBC-CGC
31	F9	202	PEB	C2C-CAC-CBC-CGC
31	F9	203	PEB	C2C-CAC-CBC-CGC
31	G9	201	PEB	C2C-CAC-CBC-CGC
31	I9	201	PEB	C2C-CAC-CBC-CGC
31	J9	201	PEB	C2C-CAC-CBC-CGC
31	J9	203	PEB	C2C-CAC-CBC-CGC
31	K9	201	PEB	C2C-CAC-CBC-CGC
31	L9	203	PEB	C2C-CAC-CBC-CGC
31	N9	201	PEB	C2C-CAC-CBC-CGC
31	O9	201	PEB	C2C-CAC-CBC-CGC
31	O9	203	PEB	C2C-CAC-CBC-CGC
31	P9	201	PEB	C2C-CAC-CBC-CGC
31	Q9	203	PEB	C2C-CAC-CBC-CGC
31	R9	201	PEB	C2C-CAC-CBC-CGC
31	S9	203	PEB	C2C-CAC-CBC-CGC
31	T9	201	PEB	C2C-CAC-CBC-CGC
31	U9	201	PEB	C2C-CAC-CBC-CGC
31	V9	201	PEB	C2C-CAC-CBC-CGC
31	W9	203	PEB	C2C-CAC-CBC-CGC
31	X9	201	PEB	C2C-CAC-CBC-CGC
31	Y9	201	PEB	C2C-CAC-CBC-CGC
31	Y9	203	PEB	C2C-CAC-CBC-CGC
31	cA	401	PEB	C2C-CAC-CBC-CGC
31	cA	403	PEB	C2C-CAC-CBC-CGC
31	eA	201	PEB	C2C-CAC-CBC-CGC
31	kB	202	PEB	C2C-CAC-CBC-CGC
31	hB	202	PEB	C2C-CAC-CBC-CGC
31	hC	202	PEB	C2C-CAC-CBC-CGC
31	jC	201	PEB	C2C-CAC-CBC-CGC
31	jC	202	PEB	C2C-CAC-CBC-CGC
31	jC	203	PEB	C2C-CAC-CBC-CGC
31	kC	201	PEB	C2C-CAC-CBC-CGC
31	kC	203	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	dD	201	PEB	C2C-CAC-CBC-CGC
31	eD	203	PEB	C2C-CAC-CBC-CGC
31	fD	201	PEB	C2C-CAC-CBC-CGC
31	fD	202	PEB	C2C-CAC-CBC-CGC
31	fD	203	PEB	C2C-CAC-CBC-CGC
31	gD	201	PEB	C2C-CAC-CBC-CGC
31	iD	202	PEB	C2C-CAC-CBC-CGC
31	dE	201	PEB	C2C-CAC-CBC-CGC
31	fE	201	PEB	C2C-CAC-CBC-CGC
31	fE	202	PEB	C2C-CAC-CBC-CGC
31	fE	203	PEB	C2C-CAC-CBC-CGC
31	gE	201	PEB	C2C-CAC-CBC-CGC
31	iE	202	PEB	C2C-CAC-CBC-CGC
31	bF	202	PEB	C2C-CAC-CBC-CGC
31	gF	202	PEB	C2C-CAC-CBC-CGC
31	hF	202	PEB	C2C-CAC-CBC-CGC
31	iF	201	PEB	C2C-CAC-CBC-CGC
31	iF	203	PEB	C2C-CAC-CBC-CGC
31	jF	202	PEB	C2C-CAC-CBC-CGC
31	oF	203	PEB	C2C-CAC-CBC-CGC
31	pF	202	PEB	C2C-CAC-CBC-CGC
31	tF	201	PEB	C2C-CAC-CBC-CGC
31	uF	201	PEB	C2C-CAC-CBC-CGC
31	uF	203	PEB	C2C-CAC-CBC-CGC
31	wF	303	PEB	C2C-CAC-CBC-CGC
31	xF	302	PEB	C2C-CAC-CBC-CGC
31	xF	303	PEB	C2C-CAC-CBC-CGC
31	xF	304	PEB	C2C-CAC-CBC-CGC
31	eH	201	PEB	C2C-CAC-CBC-CGC
31	iH	201	PEB	C2C-CAC-CBC-CGC
31	iH	202	PEB	C2C-CAC-CBC-CGC
31	jH	201	PEB	C2C-CAC-CBC-CGC
31	kH	202	PEB	C2C-CAC-CBC-CGC
32	QH	202	PUB	C3B-CAB-CBB-CGB
32	CI	203	PUB	C3B-CAB-CBB-CGB
32	ZI	305	PUB	C3B-CAB-CBB-CGB
32	A4	303	PUB	C3B-CAB-CBB-CGB
32	Q4	202	PUB	C3B-CAB-CBB-CGB
32	x8	305	PUB	C3B-CAB-CBB-CGB
32	xF	305	PUB	C3B-CAB-CBB-CGB
33	N6	1001	CYC	C2B-C3B-CAB-CBB
31	k6	203	PEB	NB-C4B-CHB-C1C

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Mol	Chain	Res	Type	Atoms
31	kB	203	PEB	NB-C4B-CHB-C1C
33	DD	1001	CYC	C4B-C3B-CAB-CBB
33	ED	1001	CYC	C4B-C3B-CAB-CBB
33	DE	1001	CYC	C4B-C3B-CAB-CBB
33	EE	1001	CYC	C4B-C3B-CAB-CBB
32	B4	302	PUB	C2D-C3D-CAD-CBD
31	GA	202	PEB	C3B-CAB-CBB-CGB
31	NA	203	PEB	C3B-CAB-CBB-CGB
31	RA	201	PEB	C3B-CAB-CBB-CGB
31	LB	1002	PEB	C3B-CAB-CBB-CGB
31	AC	302	PEB	C3B-CAB-CBB-CGB
31	RC	202	PEB	C3B-CAB-CBB-CGB
31	SC	202	PEB	C3B-CAB-CBB-CGB
31	YC	202	PEB	C3B-CAB-CBB-CGB
31	UD	203	PEB	C3B-CAB-CBB-CGB
31	WD	201	PEB	C3B-CAB-CBB-CGB
31	ZD	201	PEB	C3B-CAB-CBB-CGB
31	UE	203	PEB	C3B-CAB-CBB-CGB
31	WE	202	PEB	C3B-CAB-CBB-CGB
31	ZE	201	PEB	C3B-CAB-CBB-CGB
31	EF	202	PEB	C3B-CAB-CBB-CGB
31	HF	202	PEB	C3B-CAB-CBB-CGB
31	LF	201	PEB	C3B-CAB-CBB-CGB
31	MF	202	PEB	C3B-CAB-CBB-CGB
31	UF	201	PEB	C3B-CAB-CBB-CGB
31	WF	201	PEB	C3B-CAB-CBB-CGB
31	WF	203	PEB	C3B-CAB-CBB-CGB
31	ZF	202	PEB	C3B-CAB-CBB-CGB
31	AG	202	PEB	C3B-CAB-CBB-CGB
31	CG	202	PEB	C3B-CAB-CBB-CGB
31	EG	202	PEB	C3B-CAB-CBB-CGB
31	GG	203	PEB	C3B-CAB-CBB-CGB
31	IG	202	PEB	C3B-CAB-CBB-CGB
31	KG	203	PEB	C3B-CAB-CBB-CGB
31	NG	202	PEB	C3B-CAB-CBB-CGB
31	PG	202	PEB	C3B-CAB-CBB-CGB
31	RG	202	PEB	C3B-CAB-CBB-CGB
31	TG	203	PEB	C3B-CAB-CBB-CGB
31	VG	202	PEB	C3B-CAB-CBB-CGB
31	XG	202	PEB	C3B-CAB-CBB-CGB
31	KH	202	PEB	C3B-CAB-CBB-CGB
31	QH	204	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	SH	201	PEB	C3B-CAB-CBB-CGB
31	SH	202	PEB	C3B-CAB-CBB-CGB
31	DI	201	PEB	C3B-CAB-CBB-CGB
31	HI	203	PEB	C3B-CAB-CBB-CGB
31	LI	201	PEB	C3B-CAB-CBB-CGB
31	OI	201	PEB	C3B-CAB-CBB-CGB
31	QI	201	PEB	C3B-CAB-CBB-CGB
31	LJ	202	PEB	C3B-CAB-CBB-CGB
31	UJ	202	PEB	C3B-CAB-CBB-CGB
31	YJ	201	PEB	C3B-CAB-CBB-CGB
31	YJ	202	PEB	C3B-CAB-CBB-CGB
31	AK	201	PEB	C3B-CAB-CBB-CGB
31	BK	201	PEB	C3B-CAB-CBB-CGB
31	DK	202	PEB	C3B-CAB-CBB-CGB
31	YK	302	PEB	C3B-CAB-CBB-CGB
31	A1	201	PEB	C3B-CAB-CBB-CGB
31	B1	201	PEB	C3B-CAB-CBB-CGB
31	D1	202	PEB	C3B-CAB-CBB-CGB
31	Y1	302	PEB	C3B-CAB-CBB-CGB
31	R2	202	PEB	C3B-CAB-CBB-CGB
31	S2	202	PEB	C3B-CAB-CBB-CGB
31	A2	302	PEB	C3B-CAB-CBB-CGB
31	Y2	202	PEB	C3B-CAB-CBB-CGB
31	k2	202	PEB	C3B-CAB-CBB-CGB
31	b2	202	PEB	C3B-CAB-CBB-CGB
31	c2	202	PEB	C3B-CAB-CBB-CGB
31	C4	202	PEB	C3B-CAB-CBB-CGB
31	E4	203	PEB	C3B-CAB-CBB-CGB
31	G4	201	PEB	C3B-CAB-CBB-CGB
31	I4	203	PEB	C3B-CAB-CBB-CGB
31	K4	202	PEB	C3B-CAB-CBB-CGB
31	L5	202	PEB	C3B-CAB-CBB-CGB
31	U5	202	PEB	C3B-CAB-CBB-CGB
31	Y5	201	PEB	C3B-CAB-CBB-CGB
31	Y5	202	PEB	C3B-CAB-CBB-CGB
31	L6	1002	PEB	C3B-CAB-CBB-CGB
31	i6	202	PEB	C3B-CAB-CBB-CGB
31	k6	202	PEB	C3B-CAB-CBB-CGB
31	a6	203	PEB	C3B-CAB-CBB-CGB
31	c6	203	PEB	C3B-CAB-CBB-CGB
31	W8	201	PEB	C3B-CAB-CBB-CGB
31	W8	203	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	Z8	202	PEB	C3B-CAB-CBB-CGB
31	E8	202	PEB	C3B-CAB-CBB-CGB
31	H8	202	PEB	C3B-CAB-CBB-CGB
31	L8	201	PEB	C3B-CAB-CBB-CGB
31	M8	202	PEB	C3B-CAB-CBB-CGB
31	U8	201	PEB	C3B-CAB-CBB-CGB
31	c8	201	PEB	C3B-CAB-CBB-CGB
31	c8	202	PEB	C3B-CAB-CBB-CGB
31	e8	201	PEB	C3B-CAB-CBB-CGB
31	j8	202	PEB	C3B-CAB-CBB-CGB
31	n8	201	PEB	C3B-CAB-CBB-CGB
31	o8	201	PEB	C3B-CAB-CBB-CGB
31	q8	201	PEB	C3B-CAB-CBB-CGB
31	s8	201	PEB	C3B-CAB-CBB-CGB
31	w8	301	PEB	C3B-CAB-CBB-CGB
31	x8	303	PEB	C3B-CAB-CBB-CGB
31	B9	203	PEB	C3B-CAB-CBB-CGB
31	D9	203	PEB	C3B-CAB-CBB-CGB
31	F9	203	PEB	C3B-CAB-CBB-CGB
31	H9	203	PEB	C3B-CAB-CBB-CGB
31	J9	203	PEB	C3B-CAB-CBB-CGB
31	O9	203	PEB	C3B-CAB-CBB-CGB
31	W9	203	PEB	C3B-CAB-CBB-CGB
31	Y9	203	PEB	C3B-CAB-CBB-CGB
31	iB	202	PEB	C3B-CAB-CBB-CGB
31	kB	202	PEB	C3B-CAB-CBB-CGB
31	aB	203	PEB	C3B-CAB-CBB-CGB
31	cB	203	PEB	C3B-CAB-CBB-CGB
31	kC	202	PEB	C3B-CAB-CBB-CGB
31	bC	202	PEB	C3B-CAB-CBB-CGB
31	cC	202	PEB	C3B-CAB-CBB-CGB
31	aD	202	PEB	C3B-CAB-CBB-CGB
31	iD	202	PEB	C3B-CAB-CBB-CGB
31	lD	203	PEB	C3B-CAB-CBB-CGB
31	aE	202	PEB	C3B-CAB-CBB-CGB
31	iE	202	PEB	C3B-CAB-CBB-CGB
31	lE	203	PEB	C3B-CAB-CBB-CGB
31	cF	201	PEB	C3B-CAB-CBB-CGB
31	eF	201	PEB	C3B-CAB-CBB-CGB
31	jF	202	PEB	C3B-CAB-CBB-CGB
31	nF	201	PEB	C3B-CAB-CBB-CGB
31	oF	201	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	qF	201	PEB	C3B-CAB-CBB-CGB
31	sF	201	PEB	C3B-CAB-CBB-CGB
31	wF	301	PEB	C3B-CAB-CBB-CGB
31	xF	303	PEB	C3B-CAB-CBB-CGB
31	hH	201	PEB	C3B-CAB-CBB-CGB
33	V3	1001	CYC	C2A-CAA-CBA-CGA
33	x3	1001	CYC	C2A-CAA-CBA-CGA
33	KD	202	CYC	C2B-C3B-CAB-CBB
31	DJ	202	PEB	C2B-C1B-CHA-C4A
31	D5	202	PEB	C2B-C1B-CHA-C4A
33	MB	1001	CYC	C2B-C3B-CAB-CBB
33	V3	1001	CYC	C2B-C3B-CAB-CBB
33	x3	1001	CYC	C2B-C3B-CAB-CBB
33	M6	1001	CYC	C2B-C3B-CAB-CBB
31	AI	202	PEB	C3B-C4B-CHB-C1C
31	CI	202	PEB	C3B-C4B-CHB-C1C
31	EI	202	PEB	C3B-C4B-CHB-C1C
31	GI	202	PEB	C3B-C4B-CHB-C1C
31	II	202	PEB	C3B-C4B-CHB-C1C
31	KI	202	PEB	C3B-C4B-CHB-C1C
31	NI	202	PEB	C3B-C4B-CHB-C1C
31	PI	202	PEB	C3B-C4B-CHB-C1C
31	RI	202	PEB	C3B-C4B-CHB-C1C
31	TI	202	PEB	C3B-C4B-CHB-C1C
31	VI	202	PEB	C3B-C4B-CHB-C1C
31	XI	202	PEB	C3B-C4B-CHB-C1C
31	q8	202	PEB	C3B-C4B-CHB-C1C
31	qF	202	PEB	C3B-C4B-CHB-C1C
33	HC	1001	CYC	C2B-C3B-CAB-CBB
33	H2	1001	CYC	C2B-C3B-CAB-CBB
31	DG	201	PEB	C2B-C3B-CAB-CBB
31	AK	201	PEB	C2B-C3B-CAB-CBB
31	A1	201	PEB	C2B-C3B-CAB-CBB
31	JA	201	PEB	NB-C1B-CHA-C4A
31	TA	201	PEB	NB-C1B-CHA-C4A
31	AB	304	PEB	C3B-CAB-CBB-CGB
31	UB	201	PEB	NB-C1B-CHA-C4A
31	QC	202	PEB	NB-C1B-CHA-C4A
31	KD	201	PEB	C3B-CAB-CBB-CGB
31	ND	201	PEB	C3B-CAB-CBB-CGB
31	KE	201	PEB	C3B-CAB-CBB-CGB
31	NE	201	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	IF	202	PEB	C3B-CAB-CBB-CGB
31	OF	202	PEB	C3B-CAB-CBB-CGB
31	QF	201	PEB	C3B-CAB-CBB-CGB
31	GH	201	PEB	C3B-CAB-CBB-CGB
31	DJ	202	PEB	NB-C1B-CHA-C4A
31	FJ	201	PEB	C3B-CAB-CBB-CGB
31	OK	201	PEB	NB-C1B-CHA-C4A
31	SK	201	PEB	NB-C1B-CHA-C4A
31	O1	201	PEB	NB-C1B-CHA-C4A
31	S1	201	PEB	NB-C1B-CHA-C4A
31	Q2	202	PEB	NB-C1B-CHA-C4A
31	f2	203	PEB	C3B-CAB-CBB-CGB
31	Q4	203	PEB	C3B-CAB-CBB-CGB
31	Y4	201	PEB	C3B-CAB-CBB-CGB
31	j4	201	PEB	C3B-CAB-CBB-CGB
31	D5	202	PEB	NB-C1B-CHA-C4A
31	F5	201	PEB	C3B-CAB-CBB-CGB
31	A6	304	PEB	C3B-CAB-CBB-CGB
31	U6	201	PEB	NB-C1B-CHA-C4A
31	k6	203	PEB	C3B-CAB-CBB-CGB
31	e6	202	PEB	C3B-CAB-CBB-CGB
31	f6	201	PEB	C3B-CAB-CBB-CGB
31	g6	202	PEB	C3B-CAB-CBB-CGB
31	I8	202	PEB	C3B-CAB-CBB-CGB
31	O8	202	PEB	C3B-CAB-CBB-CGB
31	Q8	201	PEB	C3B-CAB-CBB-CGB
31	kB	203	PEB	C3B-CAB-CBB-CGB
31	eB	202	PEB	C3B-CAB-CBB-CGB
31	fB	201	PEB	C3B-CAB-CBB-CGB
31	gB	202	PEB	C3B-CAB-CBB-CGB
31	fC	203	PEB	C3B-CAB-CBB-CGB
31	mD	203	PEB	C3B-CAB-CBB-CGB
31	mE	203	PEB	C3B-CAB-CBB-CGB
31	hH	202	PEB	C3B-CAB-CBB-CGB
32	M9	304	PUB	C2C-CAC-CBC-CGC
32	Z9	304	PUB	C2C-CAC-CBC-CGC
33	EB	1001	CYC	C2A-CAA-CBA-CGA
33	JB	1001	CYC	NA-C4A-CHB-C1B
33	LB	1001	CYC	NA-C4A-CHB-C1B
33	BD	1002	CYC	NA-C4A-CHB-C1B
33	BD	1002	CYC	C2A-CAA-CBA-CGA
33	LD	1001	CYC	NA-C4A-CHB-C1B

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Mol	Chain	Res	Type	Atoms
33	BE	1002	CYC	NA-C4A-CHB-C1B
33	BE	1002	CYC	C2A-CAA-CBA-CGA
33	LE	1001	CYC	NA-C4A-CHB-C1B
33	A3	1001	CYC	NA-C4A-CHB-C1B
33	B3	1001	CYC	NA-C4A-CHB-C1B
33	C3	1001	CYC	NA-C4A-CHB-C1B
33	D3	1001	CYC	NA-C4A-CHB-C1B
33	E3	1001	CYC	NA-C4A-CHB-C1B
33	F3	1001	CYC	NA-C4A-CHB-C1B
33	G3	1001	CYC	NA-C4A-CHB-C1B
33	H3	1001	CYC	NA-C4A-CHB-C1B
33	I3	1001	CYC	NA-C4A-CHB-C1B
33	J3	1001	CYC	NA-C4A-CHB-C1B
33	K3	1001	CYC	NA-C4A-CHB-C1B
33	M3	1001	CYC	NA-C4A-CHB-C1B
33	N3	1001	CYC	NA-C4A-CHB-C1B
33	O3	1001	CYC	NA-C4A-CHB-C1B
33	P3	1001	CYC	NA-C4A-CHB-C1B
33	Q3	1001	CYC	NA-C4A-CHB-C1B
33	R3	1001	CYC	NA-C4A-CHB-C1B
33	S3	1001	CYC	NA-C4A-CHB-C1B
33	T3	1001	CYC	NA-C4A-CHB-C1B
33	U3	1001	CYC	NA-C4A-CHB-C1B
33	V3	1001	CYC	NA-C4A-CHB-C1B
33	W3	1001	CYC	NA-C4A-CHB-C1B
33	c3	1001	CYC	NA-C4A-CHB-C1B
33	d3	1001	CYC	NA-C4A-CHB-C1B
33	e3	1001	CYC	NA-C4A-CHB-C1B
33	f3	1001	CYC	NA-C4A-CHB-C1B
33	g3	1001	CYC	NA-C4A-CHB-C1B
33	h3	1001	CYC	NA-C4A-CHB-C1B
33	i3	1001	CYC	NA-C4A-CHB-C1B
33	k3	1001	CYC	NA-C4A-CHB-C1B
33	l3	1001	CYC	NA-C4A-CHB-C1B
33	m3	1001	CYC	NA-C4A-CHB-C1B
33	n3	1001	CYC	NA-C4A-CHB-C1B
33	p3	1001	CYC	NA-C4A-CHB-C1B
33	q3	1001	CYC	NA-C4A-CHB-C1B
33	r3	1001	CYC	NA-C4A-CHB-C1B
33	t3	1001	CYC	NA-C4A-CHB-C1B
33	v3	1001	CYC	NA-C4A-CHB-C1B
33	w3	1001	CYC	NA-C4A-CHB-C1B

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Mol	Chain	Res	Type	Atoms
33	x3	1001	CYC	NA-C4A-CHB-C1B
33	y3	1001	CYC	NA-C4A-CHB-C1B
33	63	901	CYC	NA-C4A-CHB-C1B
33	73	1001	CYC	NA-C4A-CHB-C1B
33	73	1002	CYC	NA-C4A-CHB-C1B
33	J6	1001	CYC	NA-C4A-CHB-C1B
33	L6	1001	CYC	NA-C4A-CHB-C1B
33	E6	1001	CYC	C2A-CAA-CBA-CGA
31	JA	201	PEB	C2B-C1B-CHA-C4A
31	TA	201	PEB	C2B-C1B-CHA-C4A
31	UB	201	PEB	C2B-C1B-CHA-C4A
31	QC	202	PEB	C2B-C1B-CHA-C4A
31	SF	202	PEB	C2B-C1B-CHA-C4A
31	HJ	202	PEB	C2B-C1B-CHA-C4A
31	SK	201	PEB	C2B-C1B-CHA-C4A
31	UK	201	PEB	C2B-C1B-CHA-C4A
31	S1	201	PEB	C2B-C1B-CHA-C4A
31	U1	201	PEB	C2B-C1B-CHA-C4A
31	Q2	202	PEB	C2B-C1B-CHA-C4A
31	H5	202	PEB	C2B-C1B-CHA-C4A
31	U6	201	PEB	C2B-C1B-CHA-C4A
31	S8	202	PEB	C2B-C1B-CHA-C4A
33	JB	1001	CYC	C3A-C4A-CHB-C1B
33	LB	1001	CYC	C3A-C4A-CHB-C1B
33	BD	1002	CYC	C3A-C4A-CHB-C1B
33	LD	1001	CYC	C3A-C4A-CHB-C1B
33	BE	1002	CYC	C3A-C4A-CHB-C1B
33	LE	1001	CYC	C3A-C4A-CHB-C1B
33	A3	1001	CYC	C3A-C4A-CHB-C1B
33	B3	1001	CYC	C3A-C4A-CHB-C1B
33	C3	1001	CYC	C3A-C4A-CHB-C1B
33	D3	1001	CYC	C3A-C4A-CHB-C1B
33	E3	1001	CYC	C3A-C4A-CHB-C1B
33	F3	1001	CYC	C3A-C4A-CHB-C1B
33	G3	1001	CYC	C3A-C4A-CHB-C1B
33	H3	1001	CYC	C3A-C4A-CHB-C1B
33	I3	1001	CYC	C3A-C4A-CHB-C1B
33	J3	1001	CYC	C3A-C4A-CHB-C1B
33	K3	1001	CYC	C3A-C4A-CHB-C1B
33	L3	1001	CYC	C3A-C4A-CHB-C1B
33	M3	1001	CYC	C3A-C4A-CHB-C1B
33	N3	1001	CYC	C3A-C4A-CHB-C1B

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Mol	Chain	Res	Type	Atoms
33	O3	1001	CYC	C3A-C4A-CHB-C1B
33	P3	1001	CYC	C3A-C4A-CHB-C1B
33	Q3	1001	CYC	C3A-C4A-CHB-C1B
33	R3	1001	CYC	C3A-C4A-CHB-C1B
33	S3	1001	CYC	C3A-C4A-CHB-C1B
33	T3	1001	CYC	C3A-C4A-CHB-C1B
33	U3	1001	CYC	C3A-C4A-CHB-C1B
33	V3	1001	CYC	C3A-C4A-CHB-C1B
33	W3	1001	CYC	C3A-C4A-CHB-C1B
33	c3	1001	CYC	C3A-C4A-CHB-C1B
33	d3	1001	CYC	C3A-C4A-CHB-C1B
33	e3	1001	CYC	C3A-C4A-CHB-C1B
33	f3	1001	CYC	C3A-C4A-CHB-C1B
33	g3	1001	CYC	C3A-C4A-CHB-C1B
33	h3	1001	CYC	C3A-C4A-CHB-C1B
33	i3	1001	CYC	C3A-C4A-CHB-C1B
33	j3	1001	CYC	C3A-C4A-CHB-C1B
33	k3	1001	CYC	C3A-C4A-CHB-C1B
33	l3	1001	CYC	C3A-C4A-CHB-C1B
33	m3	1001	CYC	C3A-C4A-CHB-C1B
33	n3	1001	CYC	C3A-C4A-CHB-C1B
33	o3	1001	CYC	C3A-C4A-CHB-C1B
33	p3	1001	CYC	C3A-C4A-CHB-C1B
33	q3	1001	CYC	C3A-C4A-CHB-C1B
33	r3	1001	CYC	C3A-C4A-CHB-C1B
33	t3	1001	CYC	C3A-C4A-CHB-C1B
33	u3	1001	CYC	C3A-C4A-CHB-C1B
33	v3	1001	CYC	C3A-C4A-CHB-C1B
33	w3	1001	CYC	C3A-C4A-CHB-C1B
33	x3	1001	CYC	C3A-C4A-CHB-C1B
33	y3	1001	CYC	C3A-C4A-CHB-C1B
33	73	1001	CYC	C3A-C4A-CHB-C1B
33	J6	1001	CYC	C3A-C4A-CHB-C1B
33	L6	1001	CYC	C3A-C4A-CHB-C1B
31	IF	202	PEB	NA-C4A-CHA-C1B
31	I8	202	PEB	NA-C4A-CHA-C1B
33	KB	1001	CYC	C2B-C3B-CAB-CBB
33	K6	1001	CYC	C2B-C3B-CAB-CBB
32	AC	304	PUB	C3C-C2C-CAC-CBC
32	A2	304	PUB	C3C-C2C-CAC-CBC
31	PB	201	PEB	C2C-CAC-CBC-CGC
31	TB	201	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	PC	201	PEB	C2C-CAC-CBC-CGC
31	PC	202	PEB	C2C-CAC-CBC-CGC
31	JF	202	PEB	C2C-CAC-CBC-CGC
31	NF	202	PEB	C2C-CAC-CBC-CGC
31	TF	202	PEB	C2C-CAC-CBC-CGC
31	XF	201	PEB	C2C-CAC-CBC-CGC
31	DG	201	PEB	C2C-CAC-CBC-CGC
31	SG	202	PEB	C2C-CAC-CBC-CGC
31	BH	301	PEB	C2C-CAC-CBC-CGC
31	RH	201	PEB	C2C-CAC-CBC-CGC
31	DI	202	PEB	C2C-CAC-CBC-CGC
31	HI	202	PEB	C2C-CAC-CBC-CGC
31	YI	201	PEB	C2C-CAC-CBC-CGC
31	GJ	202	PEB	C2C-CAC-CBC-CGC
31	KJ	201	PEB	C2C-CAC-CBC-CGC
31	NJ	202	PEB	C2C-CAC-CBC-CGC
31	NK	201	PEB	C2C-CAC-CBC-CGC
31	PK	202	PEB	C2C-CAC-CBC-CGC
31	RK	202	PEB	C2C-CAC-CBC-CGC
31	N1	201	PEB	C2C-CAC-CBC-CGC
31	P1	202	PEB	C2C-CAC-CBC-CGC
31	R1	202	PEB	C2C-CAC-CBC-CGC
31	e1	301	PEB	C2C-CAC-CBC-CGC
31	P2	201	PEB	C2C-CAC-CBC-CGC
31	P2	202	PEB	C2C-CAC-CBC-CGC
31	i2	201	PEB	C2C-CAC-CBC-CGC
31	m2	201	PEB	C2C-CAC-CBC-CGC
31	e2	201	PEB	C2C-CAC-CBC-CGC
31	F4	202	PEB	C2C-CAC-CBC-CGC
31	Q4	201	PEB	C2C-CAC-CBC-CGC
31	N5	202	PEB	C2C-CAC-CBC-CGC
31	G5	202	PEB	C2C-CAC-CBC-CGC
31	K5	201	PEB	C2C-CAC-CBC-CGC
31	P6	201	PEB	C2C-CAC-CBC-CGC
31	T6	201	PEB	C2C-CAC-CBC-CGC
31	P7	201	PEB	C2C-CAC-CBC-CGC
31	V8	201	PEB	C2C-CAC-CBC-CGC
31	X8	201	PEB	C2C-CAC-CBC-CGC
31	J8	202	PEB	C2C-CAC-CBC-CGC
31	N8	202	PEB	C2C-CAC-CBC-CGC
31	T8	202	PEB	C2C-CAC-CBC-CGC
31	g8	203	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	k8	201	PEB	C2C-CAC-CBC-CGC
31	H9	203	PEB	C2C-CAC-CBC-CGC
31	iC	201	PEB	C2C-CAC-CBC-CGC
31	mC	201	PEB	C2C-CAC-CBC-CGC
31	eC	201	PEB	C2C-CAC-CBC-CGC
31	kD	202	PEB	C2C-CAC-CBC-CGC
31	kE	202	PEB	C2C-CAC-CBC-CGC
31	gF	203	PEB	C2C-CAC-CBC-CGC
31	kF	201	PEB	C2C-CAC-CBC-CGC
31	qF	203	PEB	C2C-CAC-CBC-CGC
31	hH	202	PEB	C2C-CAC-CBC-CGC
31	hH	203	PEB	C2C-CAC-CBC-CGC
31	eK	301	PEB	C2C-CAC-CBC-CGC
32	x8	301	PUB	C3B-CAB-CBB-CGB
32	xF	301	PUB	C3B-CAB-CBB-CGB
31	cF	202	PEB	NB-C4B-CHB-C1C
33	FB	1001	CYC	C4B-C3B-CAB-CBB
33	BD	1001	CYC	C4B-C3B-CAB-CBB
33	BE	1001	CYC	C4B-C3B-CAB-CBB
33	W3	1001	CYC	C4B-C3B-CAB-CBB
33	y3	1001	CYC	C4B-C3B-CAB-CBB
33	F6	1001	CYC	C4B-C3B-CAB-CBB
31	IA	202	PEB	C4D-C3D-CAD-CBD
31	OA	201	PEB	C4D-C3D-CAD-CBD
31	LB	1002	PEB	C4D-C3D-CAD-CBD
31	TC	201	PEB	C4D-C3D-CAD-CBD
31	WC	201	PEB	C4D-C3D-CAD-CBD
31	IF	202	PEB	C4D-C3D-CAD-CBD
31	OF	202	PEB	C4D-C3D-CAD-CBD
31	RF	202	PEB	C4D-C3D-CAD-CBD
31	AG	203	PEB	C4D-C3D-CAD-CBD
31	BG	202	PEB	C4D-C3D-CAD-CBD
31	HG	203	PEB	C4D-C3D-CAD-CBD
31	IG	203	PEB	C4D-C3D-CAD-CBD
31	NG	203	PEB	C4D-C3D-CAD-CBD
31	OG	202	PEB	C4D-C3D-CAD-CBD
31	RG	203	PEB	C4D-C3D-CAD-CBD
31	TG	201	PEB	C4D-C3D-CAD-CBD
31	MI	302	PEB	C4D-C3D-CAD-CBD
31	WI	201	PEB	C4D-C3D-CAD-CBD
31	ZI	301	PEB	C4D-C3D-CAD-CBD
31	AJ	302	PEB	C4D-C3D-CAD-CBD

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Mol	Chain	Res	Type	Atoms
31	HJ	202	PEB	C4D-C3D-CAD-CBD
31	QJ	202	PEB	C4D-C3D-CAD-CBD
31	GK	202	PEB	C4D-C3D-CAD-CBD
31	IK	201	PEB	C4D-C3D-CAD-CBD
31	YK	303	PEB	C4D-C3D-CAD-CBD
31	G1	202	PEB	C4D-C3D-CAD-CBD
31	I1	201	PEB	C4D-C3D-CAD-CBD
31	Y1	303	PEB	C4D-C3D-CAD-CBD
31	T2	201	PEB	C4D-C3D-CAD-CBD
31	W2	201	PEB	C4D-C3D-CAD-CBD
31	b2	201	PEB	C4D-C3D-CAD-CBD
31	E4	203	PEB	C4D-C3D-CAD-CBD
31	K4	202	PEB	C4D-C3D-CAD-CBD
31	Q4	204	PEB	C4D-C3D-CAD-CBD
31	Y4	203	PEB	C4D-C3D-CAD-CBD
31	Q5	202	PEB	C4D-C3D-CAD-CBD
31	A5	302	PEB	C4D-C3D-CAD-CBD
31	H5	202	PEB	C4D-C3D-CAD-CBD
31	L6	1002	PEB	C4D-C3D-CAD-CBD
31	c6	202	PEB	C4D-C3D-CAD-CBD
31	C7	201	PEB	C4D-C3D-CAD-CBD
31	I8	202	PEB	C4D-C3D-CAD-CBD
31	O8	202	PEB	C4D-C3D-CAD-CBD
31	R8	202	PEB	C4D-C3D-CAD-CBD
31	o8	202	PEB	C4D-C3D-CAD-CBD
31	x8	303	PEB	C4D-C3D-CAD-CBD
31	H9	201	PEB	C4D-C3D-CAD-CBD
31	U9	201	PEB	C4D-C3D-CAD-CBD
31	cB	202	PEB	C4D-C3D-CAD-CBD
31	bC	201	PEB	C4D-C3D-CAD-CBD
31	lD	202	PEB	C4D-C3D-CAD-CBD
31	kE	201	PEB	C4D-C3D-CAD-CBD
31	lE	202	PEB	C4D-C3D-CAD-CBD
31	oF	202	PEB	C4D-C3D-CAD-CBD
31	xF	303	PEB	C4D-C3D-CAD-CBD
31	DA	202	PEB	C3B-CAB-CBB-CGB
31	ZC	202	PEB	C3B-CAB-CBB-CGB
31	DD	1002	PEB	C3B-CAB-CBB-CGB
31	DE	1002	PEB	C3B-CAB-CBB-CGB
31	AF	201	PEB	C3B-CAB-CBB-CGB
31	HF	201	PEB	C3B-CAB-CBB-CGB
31	KF	201	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	PF	202	PEB	C3B-CAB-CBB-CGB
31	XF	201	PEB	C3B-CAB-CBB-CGB
31	YF	202	PEB	C3B-CAB-CBB-CGB
31	IH	202	PEB	C3B-CAB-CBB-CGB
31	BI	203	PEB	C3B-CAB-CBB-CGB
31	QI	203	PEB	C3B-CAB-CBB-CGB
31	SI	203	PEB	C3B-CAB-CBB-CGB
31	UI	201	PEB	C3B-CAB-CBB-CGB
31	UJ	201	PEB	C3B-CAB-CBB-CGB
31	Z2	202	PEB	C3B-CAB-CBB-CGB
31	h2	203	PEB	C3B-CAB-CBB-CGB
31	j2	203	PEB	C3B-CAB-CBB-CGB
31	O4	202	PEB	C3B-CAB-CBB-CGB
31	U5	201	PEB	C3B-CAB-CBB-CGB
31	c6	202	PEB	C3B-CAB-CBB-CGB
31	X8	201	PEB	C3B-CAB-CBB-CGB
31	Y8	202	PEB	C3B-CAB-CBB-CGB
31	A8	201	PEB	C3B-CAB-CBB-CGB
31	H8	201	PEB	C3B-CAB-CBB-CGB
31	K8	201	PEB	C3B-CAB-CBB-CGB
31	P8	202	PEB	C3B-CAB-CBB-CGB
31	l8	202	PEB	C3B-CAB-CBB-CGB
31	q8	203	PEB	C3B-CAB-CBB-CGB
31	Y9	202	PEB	C3B-CAB-CBB-CGB
31	cB	202	PEB	C3B-CAB-CBB-CGB
31	hC	202	PEB	C3B-CAB-CBB-CGB
31	jC	203	PEB	C3B-CAB-CBB-CGB
31	dD	203	PEB	C3B-CAB-CBB-CGB
31	dE	203	PEB	C3B-CAB-CBB-CGB
31	lF	202	PEB	C3B-CAB-CBB-CGB
31	qF	203	PEB	C3B-CAB-CBB-CGB
31	eK	301	PEB	C3B-CAB-CBB-CGB
32	x8	305	PUB	C2C-CAC-CBC-CGC
32	xF	305	PUB	C2C-CAC-CBC-CGC
33	JC	1003	CYC	C2A-CAA-CBA-CGA
33	M2	201	CYC	C2A-CAA-CBA-CGA
33	DE	1001	CYC	C2B-C3B-CAB-CBB
33	DD	1001	CYC	C2B-C3B-CAB-CBB
31	JI	201	PEB	C4B-C3B-CAB-CBB
31	AK	201	PEB	C4B-C3B-CAB-CBB
31	A1	201	PEB	C4B-C3B-CAB-CBB
31	w8	303	PEB	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
31	wF	303	PEB	C4B-C3B-CAB-CBB
32	AC	304	PUB	C1C-C2C-CAC-CBC
32	A2	304	PUB	C1C-C2C-CAC-CBC
33	GE	201	CYC	C2B-C3B-CAB-CBB
31	GA	203	PEB	C2D-C3D-CAD-CBD
31	IA	202	PEB	C2D-C3D-CAD-CBD
31	QA	201	PEB	C2D-C3D-CAD-CBD
31	LB	1002	PEB	C2D-C3D-CAD-CBD
31	TC	201	PEB	C2D-C3D-CAD-CBD
31	TC	202	PEB	C2D-C3D-CAD-CBD
31	WC	201	PEB	C2D-C3D-CAD-CBD
31	IF	202	PEB	C2D-C3D-CAD-CBD
31	OF	202	PEB	C2D-C3D-CAD-CBD
31	RF	202	PEB	C2D-C3D-CAD-CBD
31	AG	203	PEB	C2D-C3D-CAD-CBD
31	BG	202	PEB	C2D-C3D-CAD-CBD
31	HG	203	PEB	C2D-C3D-CAD-CBD
31	IG	203	PEB	C2D-C3D-CAD-CBD
31	KG	201	PEB	C2D-C3D-CAD-CBD
31	NG	203	PEB	C2D-C3D-CAD-CBD
31	OG	202	PEB	C2D-C3D-CAD-CBD
31	RG	203	PEB	C2D-C3D-CAD-CBD
31	TG	201	PEB	C2D-C3D-CAD-CBD
31	WG	202	PEB	C2D-C3D-CAD-CBD
31	WI	201	PEB	C2D-C3D-CAD-CBD
31	AJ	302	PEB	C2D-C3D-CAD-CBD
31	HJ	201	PEB	C2D-C3D-CAD-CBD
31	HJ	202	PEB	C2D-C3D-CAD-CBD
31	JJ	202	PEB	C2D-C3D-CAD-CBD
31	QJ	202	PEB	C2D-C3D-CAD-CBD
31	VJ	203	PEB	C2D-C3D-CAD-CBD
31	YJ	202	PEB	C2D-C3D-CAD-CBD
31	FK	202	PEB	C2D-C3D-CAD-CBD
31	GK	202	PEB	C2D-C3D-CAD-CBD
31	IK	201	PEB	C2D-C3D-CAD-CBD
31	YK	303	PEB	C2D-C3D-CAD-CBD
31	F1	202	PEB	C2D-C3D-CAD-CBD
31	G1	202	PEB	C2D-C3D-CAD-CBD
31	I1	201	PEB	C2D-C3D-CAD-CBD
31	Y1	303	PEB	C2D-C3D-CAD-CBD
31	T2	201	PEB	C2D-C3D-CAD-CBD
31	T2	202	PEB	C2D-C3D-CAD-CBD

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Mol	Chain	Res	Type	Atoms
31	W2	201	PEB	C2D-C3D-CAD-CBD
31	b2	201	PEB	C2D-C3D-CAD-CBD
31	e2	202	PEB	C2D-C3D-CAD-CBD
31	E4	203	PEB	C2D-C3D-CAD-CBD
31	Q4	204	PEB	C2D-C3D-CAD-CBD
31	Q5	202	PEB	C2D-C3D-CAD-CBD
31	A5	302	PEB	C2D-C3D-CAD-CBD
31	H5	201	PEB	C2D-C3D-CAD-CBD
31	H5	202	PEB	C2D-C3D-CAD-CBD
31	V5	203	PEB	C2D-C3D-CAD-CBD
31	Y5	202	PEB	C2D-C3D-CAD-CBD
31	L6	1002	PEB	C2D-C3D-CAD-CBD
31	c6	202	PEB	C2D-C3D-CAD-CBD
31	C7	201	PEB	C2D-C3D-CAD-CBD
31	I8	202	PEB	C2D-C3D-CAD-CBD
31	O8	202	PEB	C2D-C3D-CAD-CBD
31	R8	202	PEB	C2D-C3D-CAD-CBD
31	c8	202	PEB	C2D-C3D-CAD-CBD
31	o8	202	PEB	C2D-C3D-CAD-CBD
31	x8	303	PEB	C2D-C3D-CAD-CBD
31	H9	201	PEB	C2D-C3D-CAD-CBD
31	U9	201	PEB	C2D-C3D-CAD-CBD
31	cB	202	PEB	C2D-C3D-CAD-CBD
31	bC	201	PEB	C2D-C3D-CAD-CBD
31	eC	202	PEB	C2D-C3D-CAD-CBD
31	lD	202	PEB	C2D-C3D-CAD-CBD
31	kE	201	PEB	C2D-C3D-CAD-CBD
31	lE	202	PEB	C2D-C3D-CAD-CBD
31	cF	202	PEB	C2D-C3D-CAD-CBD
31	oF	202	PEB	C2D-C3D-CAD-CBD
31	xF	303	PEB	C2D-C3D-CAD-CBD
33	GD	201	CYC	C2B-C3B-CAB-CBB
31	CK	202	PEB	C3B-C4B-CHB-C1C
31	C1	202	PEB	C3B-C4B-CHB-C1C
31	GF	203	PEB	C4B-C3B-CAB-CBB
31	WI	202	PEB	C4B-C3B-CAB-CBB
31	TK	203	PEB	C4B-C3B-CAB-CBB
31	T1	203	PEB	C4B-C3B-CAB-CBB
31	G8	203	PEB	C4B-C3B-CAB-CBB
33	F6	1001	CYC	C2B-C3B-CAB-CBB
33	I6	1001	CYC	C2B-C3B-CAB-CBB
33	IB	1001	CYC	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
31	VC	202	PEB	C3B-CAB-CBB-CGB
31	HD	1002	PEB	C3B-CAB-CBB-CGB
31	HE	1002	PEB	C3B-CAB-CBB-CGB
31	VF	201	PEB	C3B-CAB-CBB-CGB
31	YF	203	PEB	C3B-CAB-CBB-CGB
31	EH	202	PEB	C3B-CAB-CBB-CGB
31	BI	202	PEB	C3B-CAB-CBB-CGB
31	HI	201	PEB	C3B-CAB-CBB-CGB
31	SI	201	PEB	C3B-CAB-CBB-CGB
31	JK	203	PEB	C3B-CAB-CBB-CGB
31	WK	202	PEB	C3B-CAB-CBB-CGB
31	XK	202	PEB	C3B-CAB-CBB-CGB
31	J1	203	PEB	C3B-CAB-CBB-CGB
31	W1	202	PEB	C3B-CAB-CBB-CGB
31	X1	202	PEB	C3B-CAB-CBB-CGB
31	V2	202	PEB	C3B-CAB-CBB-CGB
31	b2	203	PEB	C3B-CAB-CBB-CGB
31	f4	203	PEB	C3B-CAB-CBB-CGB
31	V8	201	PEB	C3B-CAB-CBB-CGB
31	Y8	203	PEB	C3B-CAB-CBB-CGB
31	g8	201	PEB	C3B-CAB-CBB-CGB
31	h8	201	PEB	C3B-CAB-CBB-CGB
31	U9	202	PEB	C3B-CAB-CBB-CGB
31	eC	203	PEB	C3B-CAB-CBB-CGB
31	hD	201	PEB	C3B-CAB-CBB-CGB
31	hE	201	PEB	C3B-CAB-CBB-CGB
31	gF	201	PEB	C3B-CAB-CBB-CGB
31	hF	201	PEB	C3B-CAB-CBB-CGB
33	NB	1001	CYC	C2A-CAA-CBA-CGA
33	N6	1001	CYC	C2A-CAA-CBA-CGA
31	CA	202	PEB	C2C-CAC-CBC-CGC
31	DA	202	PEB	C2A-C3A-CAA-CBA
31	DA	203	PEB	C2A-C3A-CAA-CBA
31	HA	202	PEB	C2A-C3A-CAA-CBA
31	IA	201	PEB	C2A-C3A-CAA-CBA
31	KA	301	PEB	C2C-CAC-CBC-CGC
31	OA	201	PEB	C2A-C3A-CAA-CBA
31	QA	203	PEB	C2A-C3A-CAA-CBA
31	UA	301	PEB	C2C-CAC-CBC-CGC
31	UA	303	PEB	C2A-C3A-CAA-CBA
31	WA	402	PEB	C2C-CAC-CBC-CGC
31	XA	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	YA	201	PEB	C2C-CAC-CBC-CGC
31	ZA	201	PEB	C2A-C3A-CAA-CBA
31	AB	305	PEB	C2A-C3A-CAA-CBA
31	DB	1002	PEB	C2A-C3A-CAA-CBA
31	JB	1002	PEB	C2A-C3A-CAA-CBA
31	NB	1002	PEB	C2A-C3A-CAA-CBA
31	QB	201	PEB	C2A-C3A-CAA-CBA
31	SB	201	PEB	C2A-C3A-CAA-CBA
31	TB	202	PEB	C2A-C3A-CAA-CBA
31	WB	201	PEB	C2A-C3A-CAA-CBA
31	ZB	201	PEB	C2A-C3A-CAA-CBA
31	ZB	202	PEB	C2C-CAC-CBC-CGC
31	AC	302	PEB	C2A-C3A-CAA-CBA
31	FC	1002	PEB	C2A-C3A-CAA-CBA
31	HC	1002	PEB	C2A-C3A-CAA-CBA
31	QC	203	PEB	C2A-C3A-CAA-CBA
31	TC	201	PEB	C2A-C3A-CAA-CBA
31	UC	202	PEB	C2A-C3A-CAA-CBA
31	WC	201	PEB	C2A-C3A-CAA-CBA
31	WC	202	PEB	C2A-C3A-CAA-CBA
31	YC	202	PEB	C2C-CAC-CBC-CGC
31	LD	1002	PEB	C2A-C3A-CAA-CBA
31	OD	201	PEB	C2A-C3A-CAA-CBA
31	OD	202	PEB	C2A-C3A-CAA-CBA
31	OD	203	PEB	C2A-C3A-CAA-CBA
31	QD	201	PEB	C2A-C3A-CAA-CBA
31	SD	201	PEB	C2A-C3A-CAA-CBA
31	SD	202	PEB	C2A-C3A-CAA-CBA
31	UD	202	PEB	C2A-C3A-CAA-CBA
31	UD	203	PEB	C2A-C3A-CAA-CBA
31	LE	1002	PEB	C2A-C3A-CAA-CBA
31	OE	201	PEB	C2A-C3A-CAA-CBA
31	OE	202	PEB	C2A-C3A-CAA-CBA
31	OE	203	PEB	C2A-C3A-CAA-CBA
31	QE	201	PEB	C2A-C3A-CAA-CBA
31	SE	201	PEB	C2A-C3A-CAA-CBA
31	SE	202	PEB	C2A-C3A-CAA-CBA
31	UE	202	PEB	C2A-C3A-CAA-CBA
31	UE	203	PEB	C2A-C3A-CAA-CBA
31	CF	202	PEB	C2A-C3A-CAA-CBA
31	CF	203	PEB	C2A-C3A-CAA-CBA
31	DF	203	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	IF	201	PEB	C2A-C3A-CAA-CBA
31	IF	203	PEB	C2A-C3A-CAA-CBA
31	JF	202	PEB	C2A-C3A-CAA-CBA
31	KF	201	PEB	C2A-C3A-CAA-CBA
31	MF	203	PEB	C2A-C3A-CAA-CBA
31	TF	202	PEB	C2A-C3A-CAA-CBA
31	UF	201	PEB	C2A-C3A-CAA-CBA
31	IG	203	PEB	C2A-C3A-CAA-CBA
31	KG	201	PEB	C2A-C3A-CAA-CBA
31	SG	201	PEB	C2A-C3A-CAA-CBA
31	WG	202	PEB	C2A-C3A-CAA-CBA
31	EH	201	PEB	C2A-C3A-CAA-CBA
31	EH	203	PEB	C2A-C3A-CAA-CBA
31	GH	203	PEB	C2A-C3A-CAA-CBA
31	IH	201	PEB	C2A-C3A-CAA-CBA
31	KH	203	PEB	C2A-C3A-CAA-CBA
31	MH	201	PEB	C2A-C3A-CAA-CBA
31	MH	203	PEB	C2A-C3A-CAA-CBA
31	OH	202	PEB	C2A-C3A-CAA-CBA
31	QH	201	PEB	C2A-C3A-CAA-CBA
31	QH	204	PEB	C2A-C3A-CAA-CBA
31	SH	202	PEB	C2A-C3A-CAA-CBA
31	SH	203	PEB	C2A-C3A-CAA-CBA
31	UH	201	PEB	C2A-C3A-CAA-CBA
31	WH	203	PEB	C2A-C3A-CAA-CBA
31	YH	201	PEB	C2A-C3A-CAA-CBA
31	YH	203	PEB	C2A-C3A-CAA-CBA
31	AI	202	PEB	C2A-C3A-CAA-CBA
31	CI	202	PEB	C2A-C3A-CAA-CBA
31	EI	202	PEB	C2A-C3A-CAA-CBA
31	FI	202	PEB	C2A-C3A-CAA-CBA
31	FI	203	PEB	C2A-C3A-CAA-CBA
31	GI	202	PEB	C2A-C3A-CAA-CBA
31	II	202	PEB	C2A-C3A-CAA-CBA
31	KI	202	PEB	C2A-C3A-CAA-CBA
31	LI	202	PEB	C2C-CAC-CBC-CGC
31	MI	302	PEB	C2A-C3A-CAA-CBA
31	NI	202	PEB	C2A-C3A-CAA-CBA
31	PI	202	PEB	C2A-C3A-CAA-CBA
31	RI	202	PEB	C2A-C3A-CAA-CBA
31	SI	202	PEB	C2A-C3A-CAA-CBA
31	TI	202	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	UI	202	PEB	C2C-CAC-CBC-CGC
31	UI	204	PEB	C2A-C3A-CAA-CBA
31	VI	202	PEB	C2A-C3A-CAA-CBA
31	WI	202	PEB	C2A-C3A-CAA-CBA
31	XI	202	PEB	C2A-C3A-CAA-CBA
31	ZI	301	PEB	C2A-C3A-CAA-CBA
31	BJ	203	PEB	C2A-C3A-CAA-CBA
31	DJ	201	PEB	C2A-C3A-CAA-CBA
31	DJ	203	PEB	C2A-C3A-CAA-CBA
31	FJ	203	PEB	C2A-C3A-CAA-CBA
31	HJ	201	PEB	C2A-C3A-CAA-CBA
31	HJ	203	PEB	C2A-C3A-CAA-CBA
31	JJ	201	PEB	C2A-C3A-CAA-CBA
31	JJ	203	PEB	C2A-C3A-CAA-CBA
31	LJ	201	PEB	C2A-C3A-CAA-CBA
31	NJ	203	PEB	C2A-C3A-CAA-CBA
31	NJ	204	PEB	C2A-C3A-CAA-CBA
31	RJ	201	PEB	C2A-C3A-CAA-CBA
31	RJ	202	PEB	C2A-C3A-CAA-CBA
31	TJ	201	PEB	C2A-C3A-CAA-CBA
31	VJ	202	PEB	C2A-C3A-CAA-CBA
31	VJ	203	PEB	C2A-C3A-CAA-CBA
31	XJ	201	PEB	C2A-C3A-CAA-CBA
31	XJ	203	PEB	C2A-C3A-CAA-CBA
31	DK	202	PEB	C2A-C3A-CAA-CBA
31	EK	202	PEB	C2A-C3A-CAA-CBA
31	FK	202	PEB	C2A-C3A-CAA-CBA
31	HK	202	PEB	C2A-C3A-CAA-CBA
31	JK	202	PEB	C2A-C3A-CAA-CBA
31	LK	202	PEB	C2A-C3A-CAA-CBA
31	MK	202	PEB	C2A-C3A-CAA-CBA
31	NK	202	PEB	C2A-C3A-CAA-CBA
31	PK	202	PEB	C2A-C3A-CAA-CBA
31	QK	202	PEB	C2A-C3A-CAA-CBA
31	RK	202	PEB	C2A-C3A-CAA-CBA
31	SK	202	PEB	C2A-C3A-CAA-CBA
31	TK	202	PEB	C2A-C3A-CAA-CBA
31	UK	202	PEB	C2A-C3A-CAA-CBA
31	XK	202	PEB	C2A-C3A-CAA-CBA
31	D1	202	PEB	C2A-C3A-CAA-CBA
31	E1	202	PEB	C2A-C3A-CAA-CBA
31	F1	202	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	H1	202	PEB	C2A-C3A-CAA-CBA
31	J1	202	PEB	C2A-C3A-CAA-CBA
31	L1	202	PEB	C2A-C3A-CAA-CBA
31	M1	202	PEB	C2A-C3A-CAA-CBA
31	N1	202	PEB	C2A-C3A-CAA-CBA
31	P1	202	PEB	C2A-C3A-CAA-CBA
31	Q1	202	PEB	C2A-C3A-CAA-CBA
31	R1	202	PEB	C2A-C3A-CAA-CBA
31	S1	202	PEB	C2A-C3A-CAA-CBA
31	T1	202	PEB	C2A-C3A-CAA-CBA
31	U1	202	PEB	C2A-C3A-CAA-CBA
31	X1	202	PEB	C2A-C3A-CAA-CBA
31	T2	201	PEB	C2A-C3A-CAA-CBA
31	U2	202	PEB	C2A-C3A-CAA-CBA
31	A2	302	PEB	C2A-C3A-CAA-CBA
31	F2	1002	PEB	C2A-C3A-CAA-CBA
31	H2	1002	PEB	C2A-C3A-CAA-CBA
31	W2	201	PEB	C2A-C3A-CAA-CBA
31	W2	202	PEB	C2A-C3A-CAA-CBA
31	Y2	202	PEB	C2C-CAC-CBC-CGC
31	g2	201	PEB	C2A-C3A-CAA-CBA
31	b2	203	PEB	C2A-C3A-CAA-CBA
31	d2	202	PEB	C2A-C3A-CAA-CBA
31	e2	201	PEB	C2A-C3A-CAA-CBA
31	e2	202	PEB	C2C-CAC-CBC-CGC
31	B4	301	PEB	C2A-C3A-CAA-CBA
31	C4	202	PEB	C2A-C3A-CAA-CBA
31	E4	203	PEB	C2A-C3A-CAA-CBA
31	G4	202	PEB	C2A-C3A-CAA-CBA
31	G4	203	PEB	C2A-C3A-CAA-CBA
31	I4	201	PEB	C2A-C3A-CAA-CBA
31	K4	203	PEB	C2A-C3A-CAA-CBA
31	M4	201	PEB	C2A-C3A-CAA-CBA
31	M4	203	PEB	C2A-C3A-CAA-CBA
31	Q4	201	PEB	C2A-C3A-CAA-CBA
31	Q4	204	PEB	C2A-C3A-CAA-CBA
31	S4	201	PEB	C2A-C3A-CAA-CBA
31	S4	202	PEB	C2A-C3A-CAA-CBA
31	U4	201	PEB	C2A-C3A-CAA-CBA
31	W4	203	PEB	C2A-C3A-CAA-CBA
31	X4	201	PEB	C2A-C3A-CAA-CBA
31	Y4	203	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	a4	204	PEB	C2A-C3A-CAA-CBA
31	c4	201	PEB	C2A-C3A-CAA-CBA
31	d4	201	PEB	C2A-C3A-CAA-CBA
31	d4	202	PEB	C2A-C3A-CAA-CBA
31	d4	203	PEB	C2A-C3A-CAA-CBA
31	f4	203	PEB	C2A-C3A-CAA-CBA
31	h4	201	PEB	C2A-C3A-CAA-CBA
31	h4	203	PEB	C2A-C3A-CAA-CBA
31	j4	203	PEB	C2A-C3A-CAA-CBA
31	l4	201	PEB	C2A-C3A-CAA-CBA
31	l4	203	PEB	C2A-C3A-CAA-CBA
31	L5	201	PEB	C2A-C3A-CAA-CBA
31	N5	203	PEB	C2A-C3A-CAA-CBA
31	N5	204	PEB	C2A-C3A-CAA-CBA
31	R5	201	PEB	C2A-C3A-CAA-CBA
31	R5	202	PEB	C2A-C3A-CAA-CBA
31	T5	201	PEB	C2A-C3A-CAA-CBA
31	B5	203	PEB	C2A-C3A-CAA-CBA
31	D5	201	PEB	C2A-C3A-CAA-CBA
31	D5	203	PEB	C2A-C3A-CAA-CBA
31	F5	203	PEB	C2A-C3A-CAA-CBA
31	H5	201	PEB	C2A-C3A-CAA-CBA
31	H5	203	PEB	C2A-C3A-CAA-CBA
31	J5	201	PEB	C2A-C3A-CAA-CBA
31	J5	203	PEB	C2A-C3A-CAA-CBA
31	V5	202	PEB	C2A-C3A-CAA-CBA
31	V5	203	PEB	C2A-C3A-CAA-CBA
31	X5	201	PEB	C2A-C3A-CAA-CBA
31	X5	203	PEB	C2A-C3A-CAA-CBA
31	J6	1002	PEB	C2A-C3A-CAA-CBA
31	N6	1002	PEB	C2A-C3A-CAA-CBA
31	A6	305	PEB	C2A-C3A-CAA-CBA
31	D6	1002	PEB	C2A-C3A-CAA-CBA
31	Q6	201	PEB	C2A-C3A-CAA-CBA
31	S6	202	PEB	C2A-C3A-CAA-CBA
31	T6	202	PEB	C2A-C3A-CAA-CBA
31	W6	201	PEB	C2A-C3A-CAA-CBA
31	Z6	201	PEB	C2A-C3A-CAA-CBA
31	Z6	202	PEB	C2C-CAC-CBC-CGC
31	j6	201	PEB	C2A-C3A-CAA-CBA
31	k6	201	PEB	C2A-C3A-CAA-CBA
31	l6	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	l6	202	PEB	C2A-C3A-CAA-CBA
31	b6	201	PEB	C2A-C3A-CAA-CBA
31	f6	201	PEB	C2A-C3A-CAA-CBA
31	f6	202	PEB	C2A-C3A-CAA-CBA
31	h6	201	PEB	C2A-C3A-CAA-CBA
31	A7	202	PEB	C2A-C3A-CAA-CBA
31	B7	201	PEB	C2C-CAC-CBC-CGC
31	E7	201	PEB	C2A-C3A-CAA-CBA
31	b7	501	PEB	C2A-C3A-CAA-CBA
31	b7	503	PEB	C2A-C3A-CAA-CBA
31	M7	203	PEB	C2C-CAC-CBC-CGC
31	Q7	201	PEB	C2A-C3A-CAA-CBA
31	S7	203	PEB	C2A-C3A-CAA-CBA
31	V7	201	PEB	C2C-CAC-CBC-CGC
31	C8	202	PEB	C2A-C3A-CAA-CBA
31	C8	203	PEB	C2A-C3A-CAA-CBA
31	D8	203	PEB	C2A-C3A-CAA-CBA
31	I8	201	PEB	C2A-C3A-CAA-CBA
31	I8	203	PEB	C2A-C3A-CAA-CBA
31	J8	202	PEB	C2A-C3A-CAA-CBA
31	K8	201	PEB	C2A-C3A-CAA-CBA
31	M8	203	PEB	C2A-C3A-CAA-CBA
31	T8	202	PEB	C2A-C3A-CAA-CBA
31	U8	201	PEB	C2A-C3A-CAA-CBA
31	d8	202	PEB	C2C-CAC-CBC-CGC
31	e8	202	PEB	C2A-C3A-CAA-CBA
31	f8	201	PEB	C2A-C3A-CAA-CBA
31	i8	201	PEB	C2A-C3A-CAA-CBA
31	i8	202	PEB	C2A-C3A-CAA-CBA
31	i8	203	PEB	C2A-C3A-CAA-CBA
31	k8	201	PEB	C2A-C3A-CAA-CBA
31	l8	202	PEB	C2C-CAC-CBC-CGC
31	q8	202	PEB	C2A-C3A-CAA-CBA
31	q8	203	PEB	C2A-C3A-CAA-CBA
31	s8	201	PEB	C2A-C3A-CAA-CBA
31	t8	203	PEB	C2A-C3A-CAA-CBA
31	w8	302	PEB	C2C-CAC-CBC-CGC
31	x8	303	PEB	C2A-C3A-CAA-CBA
31	y8	301	PEB	C2A-C3A-CAA-CBA
31	z8	501	PEB	C2A-C3A-CAA-CBA
31	B9	202	PEB	C2A-C3A-CAA-CBA
31	F9	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	H9	202	PEB	C2A-C3A-CAA-CBA
31	J9	202	PEB	C2A-C3A-CAA-CBA
31	L9	202	PEB	C2A-C3A-CAA-CBA
31	O9	202	PEB	C2A-C3A-CAA-CBA
31	S9	202	PEB	C2A-C3A-CAA-CBA
31	U9	202	PEB	C2A-C3A-CAA-CBA
31	Y9	202	PEB	C2A-C3A-CAA-CBA
31	dA	201	PEB	C2A-C3A-CAA-CBA
31	gA	201	PEB	C2A-C3A-CAA-CBA
31	jB	201	PEB	C2A-C3A-CAA-CBA
31	kB	201	PEB	C2A-C3A-CAA-CBA
31	lB	201	PEB	C2A-C3A-CAA-CBA
31	lB	202	PEB	C2A-C3A-CAA-CBA
31	bB	201	PEB	C2A-C3A-CAA-CBA
31	fB	201	PEB	C2A-C3A-CAA-CBA
31	fB	202	PEB	C2A-C3A-CAA-CBA
31	hB	201	PEB	C2A-C3A-CAA-CBA
31	gC	201	PEB	C2A-C3A-CAA-CBA
31	dC	202	PEB	C2A-C3A-CAA-CBA
31	eC	201	PEB	C2A-C3A-CAA-CBA
31	eC	202	PEB	C2C-CAC-CBC-CGC
31	eC	203	PEB	C2A-C3A-CAA-CBA
31	aD	202	PEB	C2C-CAC-CBC-CGC
31	dD	201	PEB	C2A-C3A-CAA-CBA
31	fD	201	PEB	C2A-C3A-CAA-CBA
31	hD	202	PEB	C2A-C3A-CAA-CBA
31	jD	201	PEB	C2A-C3A-CAA-CBA
31	lD	202	PEB	C2A-C3A-CAA-CBA
31	aE	202	PEB	C2C-CAC-CBC-CGC
31	dE	201	PEB	C2A-C3A-CAA-CBA
31	fE	201	PEB	C2A-C3A-CAA-CBA
31	hE	202	PEB	C2A-C3A-CAA-CBA
31	jE	201	PEB	C2A-C3A-CAA-CBA
31	lE	202	PEB	C2A-C3A-CAA-CBA
31	dF	202	PEB	C2C-CAC-CBC-CGC
31	eF	202	PEB	C2A-C3A-CAA-CBA
31	ff	201	PEB	C2A-C3A-CAA-CBA
31	iF	201	PEB	C2A-C3A-CAA-CBA
31	iF	202	PEB	C2A-C3A-CAA-CBA
31	iF	203	PEB	C2A-C3A-CAA-CBA
31	kF	201	PEB	C2A-C3A-CAA-CBA
31	lF	202	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	qF	202	PEB	C2A-C3A-CAA-CBA
31	qF	203	PEB	C2A-C3A-CAA-CBA
31	sF	201	PEB	C2A-C3A-CAA-CBA
31	uF	201	PEB	C2A-C3A-CAA-CBA
31	wF	302	PEB	C2C-CAC-CBC-CGC
31	xF	303	PEB	C2A-C3A-CAA-CBA
31	yF	301	PEB	C2A-C3A-CAA-CBA
31	zF	501	PEB	C2A-C3A-CAA-CBA
31	aH	204	PEB	C2A-C3A-CAA-CBA
31	dH	201	PEB	C2A-C3A-CAA-CBA
31	fH	203	PEB	C2A-C3A-CAA-CBA
31	hH	203	PEB	C2A-C3A-CAA-CBA
31	jH	202	PEB	C2A-C3A-CAA-CBA
31	jH	203	PEB	C2A-C3A-CAA-CBA
31	lH	201	PEB	C2A-C3A-CAA-CBA
31	lH	203	PEB	C2A-C3A-CAA-CBA
32	AH	303	PUB	C3B-CAB-CBB-CGB
32	KK	203	PUB	C3B-CAB-CBB-CGB
32	K1	203	PUB	C3B-CAB-CBB-CGB
33	JC	1003	CYC	C2C-C3C-CAC-CBC
33	KE	202	CYC	C2C-C3C-CAC-CBC
33	M2	201	CYC	C2C-C3C-CAC-CBC
33	A3	1001	CYC	C2C-C3C-CAC-CBC
33	C3	1001	CYC	C2C-C3C-CAC-CBC
33	E3	1001	CYC	C2C-C3C-CAC-CBC
33	G3	1001	CYC	C2C-C3C-CAC-CBC
33	J3	1001	CYC	C2C-C3C-CAC-CBC
33	K3	1001	CYC	C2C-C3C-CAC-CBC
33	N3	1001	CYC	C2C-C3C-CAC-CBC
33	P3	1001	CYC	C2C-C3C-CAC-CBC
33	R3	1001	CYC	C2C-C3C-CAC-CBC
33	T3	1001	CYC	C2C-C3C-CAC-CBC
33	c3	1001	CYC	C2C-C3C-CAC-CBC
33	e3	1001	CYC	C2C-C3C-CAC-CBC
33	g3	1001	CYC	C2C-C3C-CAC-CBC
33	i3	1001	CYC	C2C-C3C-CAC-CBC
33	l3	1001	CYC	C2C-C3C-CAC-CBC
33	m3	1001	CYC	C2C-C3C-CAC-CBC
33	p3	1001	CYC	C2C-C3C-CAC-CBC
33	r3	1001	CYC	C2C-C3C-CAC-CBC
33	t3	1001	CYC	C2C-C3C-CAC-CBC
33	v3	1001	CYC	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
33	FB	1001	CYC	C2B-C3B-CAB-CBB
31	QB	202	PEB	NB-C4B-CHB-C1C
31	Q6	202	PEB	NB-C4B-CHB-C1C
31	a6	203	PEB	C4B-C3B-CAB-CBB
31	aB	203	PEB	C4B-C3B-CAB-CBB
31	WI	202	PEB	C2B-C3B-CAB-CBB
31	TK	203	PEB	C2B-C3B-CAB-CBB
31	T1	203	PEB	C2B-C3B-CAB-CBB
31	a6	203	PEB	C2B-C3B-CAB-CBB
31	aB	203	PEB	C2B-C3B-CAB-CBB
31	c6	203	PEB	C4B-C3B-CAB-CBB
31	cB	203	PEB	C4B-C3B-CAB-CBB
31	GA	203	PEB	C3B-CAB-CBB-CGB
31	WC	202	PEB	C3B-CAB-CBB-CGB
31	GD	202	PEB	C3B-CAB-CBB-CGB
31	JE	201	PEB	C3B-CAB-CBB-CGB
31	QF	203	PEB	C3B-CAB-CBB-CGB
31	MH	203	PEB	C3B-CAB-CBB-CGB
31	MI	302	PEB	C3B-CAB-CBB-CGB
31	OI	203	PEB	C3B-CAB-CBB-CGB
31	ZI	301	PEB	C3B-CAB-CBB-CGB
31	RK	203	PEB	C3B-CAB-CBB-CGB
31	R1	203	PEB	C3B-CAB-CBB-CGB
31	W2	202	PEB	C3B-CAB-CBB-CGB
31	a2	202	PEB	C3B-CAB-CBB-CGB
31	Q4	204	PEB	C3B-CAB-CBB-CGB
31	a4	204	PEB	C3B-CAB-CBB-CGB
31	Q8	203	PEB	C3B-CAB-CBB-CGB
31	B9	202	PEB	C3B-CAB-CBB-CGB
31	D9	202	PEB	C3B-CAB-CBB-CGB
31	aC	202	PEB	C3B-CAB-CBB-CGB
31	dH	201	PEB	C3B-CAB-CBB-CGB
31	GF	203	PEB	C2B-C3B-CAB-CBB
31	G8	203	PEB	C2B-C3B-CAB-CBB
31	w8	303	PEB	C2B-C3B-CAB-CBB
31	wF	303	PEB	C2B-C3B-CAB-CBB
31	GF	203	PEB	NA-C4A-CHA-C1B
31	AI	202	PEB	NA-C4A-CHA-C1B
31	CI	202	PEB	NA-C4A-CHA-C1B
31	EI	202	PEB	NA-C4A-CHA-C1B
31	GI	202	PEB	NA-C4A-CHA-C1B
31	II	202	PEB	NA-C4A-CHA-C1B

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Mol	Chain	Res	Type	Atoms
31	KI	202	PEB	NA-C4A-CHA-C1B
31	NI	202	PEB	NA-C4A-CHA-C1B
31	PI	202	PEB	NA-C4A-CHA-C1B
31	RI	202	PEB	NA-C4A-CHA-C1B
31	TI	202	PEB	NA-C4A-CHA-C1B
31	VI	202	PEB	NA-C4A-CHA-C1B
31	XI	202	PEB	NA-C4A-CHA-C1B
31	G8	203	PEB	NA-C4A-CHA-C1B
31	m8	202	PEB	NA-C4A-CHA-C1B
31	A9	202	PEB	NA-C4A-CHA-C1B
31	C9	202	PEB	NA-C4A-CHA-C1B
31	E9	202	PEB	NA-C4A-CHA-C1B
31	G9	202	PEB	NA-C4A-CHA-C1B
31	I9	202	PEB	NA-C4A-CHA-C1B
31	K9	202	PEB	NA-C4A-CHA-C1B
31	N9	202	PEB	NA-C4A-CHA-C1B
31	P9	202	PEB	NA-C4A-CHA-C1B
31	R9	202	PEB	NA-C4A-CHA-C1B
31	T9	202	PEB	NA-C4A-CHA-C1B
31	V9	202	PEB	NA-C4A-CHA-C1B
31	X9	202	PEB	NA-C4A-CHA-C1B
31	mF	202	PEB	NA-C4A-CHA-C1B
31	AA	501	PEB	C2D-C1D-CHC-C4C
31	DA	202	PEB	C2D-C1D-CHC-C4C
31	GA	201	PEB	C2D-C1D-CHC-C4C
31	HA	201	PEB	C2D-C1D-CHC-C4C
31	HA	202	PEB	C2D-C1D-CHC-C4C
31	IA	203	PEB	C2D-C1D-CHC-C4C
31	JA	202	PEB	C2D-C1D-CHC-C4C
31	KA	302	PEB	C2D-C1D-CHC-C4C
31	NA	202	PEB	C2D-C1D-CHC-C4C
31	QA	201	PEB	C2D-C1D-CHC-C4C
31	QA	202	PEB	C2D-C1D-CHC-C4C
31	QA	203	PEB	C2D-C1D-CHC-C4C
31	TA	202	PEB	C2D-C1D-CHC-C4C
31	UA	301	PEB	C2D-C1D-CHC-C4C
31	ZA	202	PEB	C2D-C1D-CHC-C4C
31	OB	202	PEB	C2D-C1D-CHC-C4C
31	VB	202	PEB	C2D-C1D-CHC-C4C
31	ZC	201	PEB	C2D-C1D-CHC-C4C
31	AD	301	PEB	C2D-C1D-CHC-C4C
31	QD	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	SD	202	PEB	C2D-C1D-CHC-C4C
31	UD	203	PEB	C2D-C1D-CHC-C4C
31	AE	301	PEB	C2D-C1D-CHC-C4C
31	QE	202	PEB	C2D-C1D-CHC-C4C
31	SE	202	PEB	C2D-C1D-CHC-C4C
31	UE	203	PEB	C2D-C1D-CHC-C4C
31	AF	201	PEB	C2D-C1D-CHC-C4C
31	BF	201	PEB	C2D-C1D-CHC-C4C
31	NF	202	PEB	C2D-C1D-CHC-C4C
31	OF	202	PEB	C2D-C1D-CHC-C4C
31	PF	202	PEB	C2D-C1D-CHC-C4C
31	SF	202	PEB	C2D-C1D-CHC-C4C
31	YF	201	PEB	C2D-C1D-CHC-C4C
31	AG	201	PEB	C2D-C1D-CHC-C4C
31	AG	202	PEB	C2D-C1D-CHC-C4C
31	CG	201	PEB	C2D-C1D-CHC-C4C
31	CG	202	PEB	C2D-C1D-CHC-C4C
31	EG	201	PEB	C2D-C1D-CHC-C4C
31	EG	202	PEB	C2D-C1D-CHC-C4C
31	FG	202	PEB	C2D-C1D-CHC-C4C
31	GG	202	PEB	C2D-C1D-CHC-C4C
31	GG	203	PEB	C2D-C1D-CHC-C4C
31	IG	201	PEB	C2D-C1D-CHC-C4C
31	IG	202	PEB	C2D-C1D-CHC-C4C
31	JG	202	PEB	C2D-C1D-CHC-C4C
31	KG	202	PEB	C2D-C1D-CHC-C4C
31	KG	203	PEB	C2D-C1D-CHC-C4C
31	NG	201	PEB	C2D-C1D-CHC-C4C
31	NG	202	PEB	C2D-C1D-CHC-C4C
31	PG	201	PEB	C2D-C1D-CHC-C4C
31	PG	202	PEB	C2D-C1D-CHC-C4C
31	RG	201	PEB	C2D-C1D-CHC-C4C
31	RG	202	PEB	C2D-C1D-CHC-C4C
31	TG	202	PEB	C2D-C1D-CHC-C4C
31	TG	203	PEB	C2D-C1D-CHC-C4C
31	VG	201	PEB	C2D-C1D-CHC-C4C
31	VG	202	PEB	C2D-C1D-CHC-C4C
31	WG	203	PEB	C2D-C1D-CHC-C4C
31	XG	201	PEB	C2D-C1D-CHC-C4C
31	XG	202	PEB	C2D-C1D-CHC-C4C
31	ZG	401	PEB	C2D-C1D-CHC-C4C
31	AH	301	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	DH	201	PEB	C2D-C1D-CHC-C4C
31	DH	202	PEB	C2D-C1D-CHC-C4C
31	EH	203	PEB	C2D-C1D-CHC-C4C
31	IH	203	PEB	C2D-C1D-CHC-C4C
31	QH	203	PEB	C2D-C1D-CHC-C4C
31	SH	202	PEB	C2D-C1D-CHC-C4C
31	TH	201	PEB	C2D-C1D-CHC-C4C
31	WH	202	PEB	C2D-C1D-CHC-C4C
31	HI	201	PEB	C2D-C1D-CHC-C4C
31	MI	302	PEB	C2D-C1D-CHC-C4C
31	UI	201	PEB	C2D-C1D-CHC-C4C
31	UI	204	PEB	C2D-C1D-CHC-C4C
31	WI	201	PEB	C2D-C1D-CHC-C4C
31	WI	203	PEB	C2D-C1D-CHC-C4C
31	ZI	301	PEB	C2D-C1D-CHC-C4C
31	AJ	304	PEB	C2D-C1D-CHC-C4C
31	EJ	202	PEB	C2D-C1D-CHC-C4C
31	HJ	203	PEB	C2D-C1D-CHC-C4C
31	IJ	202	PEB	C2D-C1D-CHC-C4C
31	JJ	201	PEB	C2D-C1D-CHC-C4C
31	JJ	202	PEB	C2D-C1D-CHC-C4C
31	JJ	203	PEB	C2D-C1D-CHC-C4C
31	KJ	201	PEB	C2D-C1D-CHC-C4C
31	KJ	202	PEB	C2D-C1D-CHC-C4C
31	LJ	202	PEB	C2D-C1D-CHC-C4C
31	OJ	201	PEB	C2D-C1D-CHC-C4C
31	OJ	202	PEB	C2D-C1D-CHC-C4C
31	QJ	202	PEB	C2D-C1D-CHC-C4C
31	RJ	203	PEB	C2D-C1D-CHC-C4C
31	XJ	202	PEB	C2D-C1D-CHC-C4C
31	AK	202	PEB	C2D-C1D-CHC-C4C
31	BK	201	PEB	C2D-C1D-CHC-C4C
31	CK	201	PEB	C2D-C1D-CHC-C4C
31	DK	202	PEB	C2D-C1D-CHC-C4C
31	EK	202	PEB	C2D-C1D-CHC-C4C
31	FK	203	PEB	C2D-C1D-CHC-C4C
31	JK	201	PEB	C2D-C1D-CHC-C4C
31	JK	203	PEB	C2D-C1D-CHC-C4C
31	YK	302	PEB	C2D-C1D-CHC-C4C
31	YK	303	PEB	C2D-C1D-CHC-C4C
31	A1	202	PEB	C2D-C1D-CHC-C4C
31	B1	201	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	C1	201	PEB	C2D-C1D-CHC-C4C
31	D1	202	PEB	C2D-C1D-CHC-C4C
31	E1	202	PEB	C2D-C1D-CHC-C4C
31	F1	203	PEB	C2D-C1D-CHC-C4C
31	J1	201	PEB	C2D-C1D-CHC-C4C
31	J1	203	PEB	C2D-C1D-CHC-C4C
31	Y1	302	PEB	C2D-C1D-CHC-C4C
31	Y1	303	PEB	C2D-C1D-CHC-C4C
31	Z2	201	PEB	C2D-C1D-CHC-C4C
31	h2	202	PEB	C2D-C1D-CHC-C4C
31	k2	201	PEB	C2D-C1D-CHC-C4C
31	m2	201	PEB	C2D-C1D-CHC-C4C
31	m2	202	PEB	C2D-C1D-CHC-C4C
31	d2	202	PEB	C2D-C1D-CHC-C4C
31	e2	201	PEB	C2D-C1D-CHC-C4C
31	A4	301	PEB	C2D-C1D-CHC-C4C
31	C4	202	PEB	C2D-C1D-CHC-C4C
31	E4	202	PEB	C2D-C1D-CHC-C4C
31	I4	202	PEB	C2D-C1D-CHC-C4C
31	N4	202	PEB	C2D-C1D-CHC-C4C
31	Q4	203	PEB	C2D-C1D-CHC-C4C
31	T4	201	PEB	C2D-C1D-CHC-C4C
31	U4	203	PEB	C2D-C1D-CHC-C4C
31	Y4	203	PEB	C2D-C1D-CHC-C4C
31	a4	201	PEB	C2D-C1D-CHC-C4C
31	a4	203	PEB	C2D-C1D-CHC-C4C
31	c4	202	PEB	C2D-C1D-CHC-C4C
31	d4	203	PEB	C2D-C1D-CHC-C4C
31	e4	201	PEB	C2D-C1D-CHC-C4C
31	h4	202	PEB	C2D-C1D-CHC-C4C
31	h4	203	PEB	C2D-C1D-CHC-C4C
31	i4	202	PEB	C2D-C1D-CHC-C4C
31	j4	201	PEB	C2D-C1D-CHC-C4C
31	j4	202	PEB	C2D-C1D-CHC-C4C
31	k4	201	PEB	C2D-C1D-CHC-C4C
31	l4	202	PEB	C2D-C1D-CHC-C4C
31	L5	202	PEB	C2D-C1D-CHC-C4C
31	O5	201	PEB	C2D-C1D-CHC-C4C
31	O5	202	PEB	C2D-C1D-CHC-C4C
31	Q5	202	PEB	C2D-C1D-CHC-C4C
31	R5	203	PEB	C2D-C1D-CHC-C4C
31	A5	304	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	E5	202	PEB	C2D-C1D-CHC-C4C
31	H5	203	PEB	C2D-C1D-CHC-C4C
31	I5	202	PEB	C2D-C1D-CHC-C4C
31	J5	201	PEB	C2D-C1D-CHC-C4C
31	J5	202	PEB	C2D-C1D-CHC-C4C
31	J5	203	PEB	C2D-C1D-CHC-C4C
31	K5	201	PEB	C2D-C1D-CHC-C4C
31	K5	202	PEB	C2D-C1D-CHC-C4C
31	X5	202	PEB	C2D-C1D-CHC-C4C
31	O6	202	PEB	C2D-C1D-CHC-C4C
31	V6	202	PEB	C2D-C1D-CHC-C4C
31	j6	201	PEB	C2D-C1D-CHC-C4C
31	k6	202	PEB	C2D-C1D-CHC-C4C
31	k6	203	PEB	C2D-C1D-CHC-C4C
31	l6	201	PEB	C2D-C1D-CHC-C4C
31	b6	202	PEB	C2D-C1D-CHC-C4C
31	c6	203	PEB	C2D-C1D-CHC-C4C
31	f6	202	PEB	C2D-C1D-CHC-C4C
31	g6	202	PEB	C2D-C1D-CHC-C4C
31	g6	203	PEB	C2D-C1D-CHC-C4C
31	h6	201	PEB	C2D-C1D-CHC-C4C
31	h6	202	PEB	C2D-C1D-CHC-C4C
31	A7	203	PEB	C2D-C1D-CHC-C4C
31	C7	201	PEB	C2D-C1D-CHC-C4C
31	E7	201	PEB	C2D-C1D-CHC-C4C
31	E7	203	PEB	C2D-C1D-CHC-C4C
31	G7	201	PEB	C2D-C1D-CHC-C4C
31	H7	201	PEB	C2D-C1D-CHC-C4C
31	H7	202	PEB	C2D-C1D-CHC-C4C
31	I7	202	PEB	C2D-C1D-CHC-C4C
31	I7	203	PEB	C2D-C1D-CHC-C4C
31	J7	201	PEB	C2D-C1D-CHC-C4C
31	J7	202	PEB	C2D-C1D-CHC-C4C
31	K7	201	PEB	C2D-C1D-CHC-C4C
31	L7	202	PEB	C2D-C1D-CHC-C4C
31	M7	203	PEB	C2D-C1D-CHC-C4C
31	P7	202	PEB	C2D-C1D-CHC-C4C
31	Q7	201	PEB	C2D-C1D-CHC-C4C
31	R7	202	PEB	C2D-C1D-CHC-C4C
31	T7	201	PEB	C2D-C1D-CHC-C4C
31	T7	202	PEB	C2D-C1D-CHC-C4C
31	U7	203	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	V7	201	PEB	C2D-C1D-CHC-C4C
31	W7	201	PEB	C2D-C1D-CHC-C4C
31	Y7	503	PEB	C2D-C1D-CHC-C4C
31	Y8	201	PEB	C2D-C1D-CHC-C4C
31	A8	201	PEB	C2D-C1D-CHC-C4C
31	B8	201	PEB	C2D-C1D-CHC-C4C
31	N8	202	PEB	C2D-C1D-CHC-C4C
31	O8	202	PEB	C2D-C1D-CHC-C4C
31	P8	202	PEB	C2D-C1D-CHC-C4C
31	S8	202	PEB	C2D-C1D-CHC-C4C
31	b8	202	PEB	C2D-C1D-CHC-C4C
31	d8	201	PEB	C2D-C1D-CHC-C4C
31	f8	202	PEB	C2D-C1D-CHC-C4C
31	k8	201	PEB	C2D-C1D-CHC-C4C
31	k8	203	PEB	C2D-C1D-CHC-C4C
31	o8	203	PEB	C2D-C1D-CHC-C4C
31	t8	203	PEB	C2D-C1D-CHC-C4C
31	u8	201	PEB	C2D-C1D-CHC-C4C
31	v8	202	PEB	C2D-C1D-CHC-C4C
31	w8	302	PEB	C2D-C1D-CHC-C4C
31	x8	303	PEB	C2D-C1D-CHC-C4C
31	B9	201	PEB	C2D-C1D-CHC-C4C
31	B9	203	PEB	C2D-C1D-CHC-C4C
31	D9	201	PEB	C2D-C1D-CHC-C4C
31	F9	203	PEB	C2D-C1D-CHC-C4C
31	J9	201	PEB	C2D-C1D-CHC-C4C
31	L9	201	PEB	C2D-C1D-CHC-C4C
31	M9	303	PEB	C2D-C1D-CHC-C4C
31	O9	201	PEB	C2D-C1D-CHC-C4C
31	Q9	201	PEB	C2D-C1D-CHC-C4C
31	S9	201	PEB	C2D-C1D-CHC-C4C
31	Y9	201	PEB	C2D-C1D-CHC-C4C
31	Z9	303	PEB	C2D-C1D-CHC-C4C
31	gA	202	PEB	C2D-C1D-CHC-C4C
31	jB	201	PEB	C2D-C1D-CHC-C4C
31	kB	202	PEB	C2D-C1D-CHC-C4C
31	kB	203	PEB	C2D-C1D-CHC-C4C
31	lB	201	PEB	C2D-C1D-CHC-C4C
31	bB	202	PEB	C2D-C1D-CHC-C4C
31	cB	203	PEB	C2D-C1D-CHC-C4C
31	fB	202	PEB	C2D-C1D-CHC-C4C
31	gB	202	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	gB	203	PEB	C2D-C1D-CHC-C4C
31	hB	201	PEB	C2D-C1D-CHC-C4C
31	hB	202	PEB	C2D-C1D-CHC-C4C
31	hC	201	PEB	C2D-C1D-CHC-C4C
31	kC	201	PEB	C2D-C1D-CHC-C4C
31	mC	201	PEB	C2D-C1D-CHC-C4C
31	mC	202	PEB	C2D-C1D-CHC-C4C
31	dC	202	PEB	C2D-C1D-CHC-C4C
31	eC	201	PEB	C2D-C1D-CHC-C4C
31	aD	202	PEB	C2D-C1D-CHC-C4C
31	dD	202	PEB	C2D-C1D-CHC-C4C
31	lD	201	PEB	C2D-C1D-CHC-C4C
31	mD	203	PEB	C2D-C1D-CHC-C4C
31	aE	202	PEB	C2D-C1D-CHC-C4C
31	dE	202	PEB	C2D-C1D-CHC-C4C
31	lE	201	PEB	C2D-C1D-CHC-C4C
31	mE	203	PEB	C2D-C1D-CHC-C4C
31	bF	202	PEB	C2D-C1D-CHC-C4C
31	dF	201	PEB	C2D-C1D-CHC-C4C
31	fF	202	PEB	C2D-C1D-CHC-C4C
31	kF	201	PEB	C2D-C1D-CHC-C4C
31	kF	203	PEB	C2D-C1D-CHC-C4C
31	oF	203	PEB	C2D-C1D-CHC-C4C
31	uF	201	PEB	C2D-C1D-CHC-C4C
31	uF	202	PEB	C2D-C1D-CHC-C4C
31	vF	202	PEB	C2D-C1D-CHC-C4C
31	wF	302	PEB	C2D-C1D-CHC-C4C
31	xF	303	PEB	C2D-C1D-CHC-C4C
31	aH	201	PEB	C2D-C1D-CHC-C4C
31	iH	202	PEB	C2D-C1D-CHC-C4C
31	kH	201	PEB	C2D-C1D-CHC-C4C
31	lH	202	PEB	C2D-C1D-CHC-C4C
32	AB	302	PUB	C3A-C4A-CHA-C1B
32	AC	303	PUB	C3A-C4A-CHA-C1B
32	AD	303	PUB	C3A-C4A-CHA-C1B
32	AE	303	PUB	C3A-C4A-CHA-C1B
32	AH	303	PUB	C3A-C4A-CHA-C1B
32	BH	302	PUB	C3A-C4A-CHA-C1B
32	MI	303	PUB	C3A-C4A-CHA-C1B
32	ZI	302	PUB	C3A-C4A-CHA-C1B
32	A2	303	PUB	C3A-C4A-CHA-C1B
32	A4	304	PUB	C3A-C4A-CHA-C1B

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Mol	Chain	Res	Type	Atoms
32	B4	302	PUB	C3A-C4A-CHA-C1B
32	Q4	202	PUB	C3A-C4A-CHA-C1B
32	A6	302	PUB	C3A-C4A-CHA-C1B
32	w8	304	PUB	C3A-C4A-CHA-C1B
32	wF	304	PUB	C3A-C4A-CHA-C1B
33	LE	1001	CYC	C2B-C3B-CAB-CBB
31	LD	1002	PEB	C4B-C3B-CAB-CBB
31	LE	1002	PEB	C4B-C3B-CAB-CBB
31	Z8	201	PEB	C4B-C3B-CAB-CBB
31	l8	201	PEB	C4B-C3B-CAB-CBB
31	S9	201	PEB	C4B-C3B-CAB-CBB
31	dD	204	PEB	C4B-C3B-CAB-CBB
31	dE	204	PEB	C4B-C3B-CAB-CBB
31	lF	201	PEB	C4B-C3B-CAB-CBB
33	BD	1001	CYC	C1A-C2A-CAA-CBA
33	BE	1001	CYC	C1A-C2A-CAA-CBA
31	c6	203	PEB	C2B-C3B-CAB-CBB
31	cB	203	PEB	C2B-C3B-CAB-CBB
31	k6	203	PEB	C3B-C4B-CHB-C1C
31	kB	203	PEB	C3B-C4B-CHB-C1C
32	Q4	202	PUB	C4A-C3A-CAA-CBA
33	LD	1001	CYC	C2B-C3B-CAB-CBB
31	QC	202	PEB	C2C-CAC-CBC-CGC
31	SG	201	PEB	C2C-CAC-CBC-CGC
31	SH	203	PEB	C2C-CAC-CBC-CGC
31	TH	202	PEB	C2C-CAC-CBC-CGC
31	MI	304	PEB	C2C-CAC-CBC-CGC
31	ZI	303	PEB	C2C-CAC-CBC-CGC
31	IJ	202	PEB	C2C-CAC-CBC-CGC
31	Q2	202	PEB	C2C-CAC-CBC-CGC
31	I4	202	PEB	C2C-CAC-CBC-CGC
31	K4	201	PEB	C2C-CAC-CBC-CGC
31	I5	202	PEB	C2C-CAC-CBC-CGC
31	Y7	501	PEB	C2C-CAC-CBC-CGC
31	k8	203	PEB	C2C-CAC-CBC-CGC
31	U9	203	PEB	C2C-CAC-CBC-CGC
31	kF	203	PEB	C2C-CAC-CBC-CGC
31	dH	202	PEB	C2C-CAC-CBC-CGC
31	lH	202	PEB	C2C-CAC-CBC-CGC
32	AB	303	PUB	C3B-CAB-CBB-CGB
32	A6	303	PUB	C3B-CAB-CBB-CGB
31	BA	202	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	HA	203	PEB	C3B-CAB-CBB-CGB
31	VA	202	PEB	C3B-CAB-CBB-CGB
31	NC	1002	PEB	C3B-CAB-CBB-CGB
31	TC	202	PEB	C3B-CAB-CBB-CGB
31	UD	201	PEB	C3B-CAB-CBB-CGB
31	UE	201	PEB	C3B-CAB-CBB-CGB
31	DF	203	PEB	C3B-CAB-CBB-CGB
31	LF	202	PEB	C3B-CAB-CBB-CGB
31	IH	203	PEB	C3B-CAB-CBB-CGB
31	FI	201	PEB	C3B-CAB-CBB-CGB
31	BJ	201	PEB	C3B-CAB-CBB-CGB
31	DJ	201	PEB	C3B-CAB-CBB-CGB
31	JJ	201	PEB	C3B-CAB-CBB-CGB
31	NJ	204	PEB	C3B-CAB-CBB-CGB
31	OJ	202	PEB	C3B-CAB-CBB-CGB
31	RJ	201	PEB	C3B-CAB-CBB-CGB
31	WJ	201	PEB	C3B-CAB-CBB-CGB
31	IK	202	PEB	C3B-CAB-CBB-CGB
31	JK	202	PEB	C3B-CAB-CBB-CGB
31	LK	203	PEB	C3B-CAB-CBB-CGB
31	OK	202	PEB	C3B-CAB-CBB-CGB
31	RK	202	PEB	C3B-CAB-CBB-CGB
31	TK	202	PEB	C3B-CAB-CBB-CGB
31	I1	202	PEB	C3B-CAB-CBB-CGB
31	J1	202	PEB	C3B-CAB-CBB-CGB
31	L1	203	PEB	C3B-CAB-CBB-CGB
31	O1	202	PEB	C3B-CAB-CBB-CGB
31	R1	202	PEB	C3B-CAB-CBB-CGB
31	T1	202	PEB	C3B-CAB-CBB-CGB
31	N2	1002	PEB	C3B-CAB-CBB-CGB
31	T2	202	PEB	C3B-CAB-CBB-CGB
31	G4	202	PEB	C3B-CAB-CBB-CGB
31	M4	201	PEB	C3B-CAB-CBB-CGB
31	I4	203	PEB	C3B-CAB-CBB-CGB
31	N5	204	PEB	C3B-CAB-CBB-CGB
31	O5	202	PEB	C3B-CAB-CBB-CGB
31	R5	201	PEB	C3B-CAB-CBB-CGB
31	B5	201	PEB	C3B-CAB-CBB-CGB
31	D5	201	PEB	C3B-CAB-CBB-CGB
31	J5	201	PEB	C3B-CAB-CBB-CGB
31	W5	201	PEB	C3B-CAB-CBB-CGB
31	Y7	503	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	D8	203	PEB	C3B-CAB-CBB-CGB
31	L8	202	PEB	C3B-CAB-CBB-CGB
31	c8	203	PEB	C3B-CAB-CBB-CGB
31	f8	202	PEB	C3B-CAB-CBB-CGB
31	g8	202	PEB	C3B-CAB-CBB-CGB
31	F9	202	PEB	C3B-CAB-CBB-CGB
31	J9	202	PEB	C3B-CAB-CBB-CGB
31	O9	202	PEB	C3B-CAB-CBB-CGB
31	Q9	202	PEB	C3B-CAB-CBB-CGB
31	bD	201	PEB	C3B-CAB-CBB-CGB
31	cF	202	PEB	C3B-CAB-CBB-CGB
31	cF	203	PEB	C3B-CAB-CBB-CGB
31	fF	202	PEB	C3B-CAB-CBB-CGB
31	dH	202	PEB	C3B-CAB-CBB-CGB
32	AC	303	PUB	C2C-CAC-CBC-CGC
32	A2	303	PUB	C2C-CAC-CBC-CGC
32	x8	306	PUB	C2C-CAC-CBC-CGC
32	xF	306	PUB	C2C-CAC-CBC-CGC
33	BD	1001	CYC	C2A-CAA-CBA-CGA
33	BE	1001	CYC	C2A-CAA-CBA-CGA
31	AI	202	PEB	NB-C4B-CHB-C1C
31	CI	202	PEB	NB-C4B-CHB-C1C
31	EI	202	PEB	NB-C4B-CHB-C1C
31	GI	202	PEB	NB-C4B-CHB-C1C
31	II	202	PEB	NB-C4B-CHB-C1C
31	KI	202	PEB	NB-C4B-CHB-C1C
31	NI	202	PEB	NB-C4B-CHB-C1C
31	PI	202	PEB	NB-C4B-CHB-C1C
31	RI	202	PEB	NB-C4B-CHB-C1C
31	TI	202	PEB	NB-C4B-CHB-C1C
31	VI	202	PEB	NB-C4B-CHB-C1C
31	XI	202	PEB	NB-C4B-CHB-C1C
31	q8	202	PEB	NB-C4B-CHB-C1C
31	qF	202	PEB	NB-C4B-CHB-C1C
33	J3	1001	CYC	C2B-C3B-CAB-CBB
33	N3	1001	CYC	C2B-C3B-CAB-CBB
33	A3	1001	CYC	C2B-C3B-CAB-CBB
33	EB	1001	CYC	C4B-C3B-CAB-CBB
33	FD	202	CYC	C4B-C3B-CAB-CBB
33	CE	1001	CYC	C4B-C3B-CAB-CBB
33	E6	1001	CYC	C4B-C3B-CAB-CBB
33	C3	1001	CYC	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
33	K3	1001	CYC	C2B-C3B-CAB-CBB
33	c3	1001	CYC	C2B-C3B-CAB-CBB
33	g3	1001	CYC	C2B-C3B-CAB-CBB
33	m3	1001	CYC	C2B-C3B-CAB-CBB
33	r3	1001	CYC	C2B-C3B-CAB-CBB
31	ZF	201	PEB	C4B-C3B-CAB-CBB
33	l3	1001	CYC	C2B-C3B-CAB-CBB
31	QD	201	PEB	C2B-C3B-CAB-CBB
31	QE	201	PEB	C2B-C3B-CAB-CBB
31	DK	201	PEB	C2B-C3B-CAB-CBB
31	D1	201	PEB	C2B-C3B-CAB-CBB
31	P4	201	PEB	C2B-C3B-CAB-CBB
33	E3	1001	CYC	C2B-C3B-CAB-CBB
33	G3	1001	CYC	C2B-C3B-CAB-CBB
33	P3	1001	CYC	C2B-C3B-CAB-CBB
33	R3	1001	CYC	C2B-C3B-CAB-CBB
33	e3	1001	CYC	C2B-C3B-CAB-CBB
33	i3	1001	CYC	C2B-C3B-CAB-CBB
33	p3	1001	CYC	C2B-C3B-CAB-CBB
33	v3	1001	CYC	C2B-C3B-CAB-CBB
33	T3	1001	CYC	C2B-C3B-CAB-CBB
33	t3	1001	CYC	C2B-C3B-CAB-CBB
31	JI	201	PEB	C2B-C3B-CAB-CBB
31	KG	201	PEB	C4D-C3D-CAD-CBD
31	SJ	202	PEB	C4D-C3D-CAD-CBD
31	FK	202	PEB	C4D-C3D-CAD-CBD
31	F1	202	PEB	C4D-C3D-CAD-CBD
31	e2	202	PEB	C4D-C3D-CAD-CBD
31	S5	202	PEB	C4D-C3D-CAD-CBD
31	c8	202	PEB	C4D-C3D-CAD-CBD
31	eC	202	PEB	C4D-C3D-CAD-CBD
31	IA	201	PEB	C4A-C3A-CAA-CBA
31	TC	201	PEB	C4A-C3A-CAA-CBA
31	TC	202	PEB	C4A-C3A-CAA-CBA
31	WC	203	PEB	C4A-C3A-CAA-CBA
31	PD	201	PEB	C4A-C3A-CAA-CBA
31	QD	203	PEB	C4A-C3A-CAA-CBA
31	PE	201	PEB	C4A-C3A-CAA-CBA
31	QE	203	PEB	C4A-C3A-CAA-CBA
31	CF	203	PEB	C4A-C3A-CAA-CBA
31	RJ	201	PEB	C4A-C3A-CAA-CBA
31	EK	201	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	YK	302	PEB	C4A-C3A-CAA-CBA
31	E1	201	PEB	C4A-C3A-CAA-CBA
31	Y1	302	PEB	C4A-C3A-CAA-CBA
31	T2	201	PEB	C4A-C3A-CAA-CBA
31	T2	202	PEB	C4A-C3A-CAA-CBA
31	W2	203	PEB	C4A-C3A-CAA-CBA
31	m2	202	PEB	C4A-C3A-CAA-CBA
31	d2	203	PEB	C4A-C3A-CAA-CBA
31	O4	203	PEB	C4A-C3A-CAA-CBA
31	Z4	201	PEB	C4A-C3A-CAA-CBA
31	R5	201	PEB	C4A-C3A-CAA-CBA
31	e6	202	PEB	C4A-C3A-CAA-CBA
31	Q7	201	PEB	C4A-C3A-CAA-CBA
31	R7	201	PEB	C4A-C3A-CAA-CBA
31	C8	203	PEB	C4A-C3A-CAA-CBA
31	c8	203	PEB	C4A-C3A-CAA-CBA
31	g8	203	PEB	C4A-C3A-CAA-CBA
31	l8	202	PEB	C4A-C3A-CAA-CBA
31	w8	301	PEB	C4A-C3A-CAA-CBA
31	fA	301	PEB	C4A-C3A-CAA-CBA
31	hA	301	PEB	C4A-C3A-CAA-CBA
31	eB	202	PEB	C4A-C3A-CAA-CBA
31	mC	202	PEB	C4A-C3A-CAA-CBA
31	dC	203	PEB	C4A-C3A-CAA-CBA
31	cF	203	PEB	C4A-C3A-CAA-CBA
31	gF	203	PEB	C4A-C3A-CAA-CBA
31	lF	202	PEB	C4A-C3A-CAA-CBA
31	wF	301	PEB	C4A-C3A-CAA-CBA
33	KE	202	CYC	C4C-C3C-CAC-CBC
31	SB	202	PEB	C3B-CAB-CBB-CGB
31	FF	201	PEB	C3B-CAB-CBB-CGB
31	GF	203	PEB	C3B-CAB-CBB-CGB
31	TF	201	PEB	C3B-CAB-CBB-CGB
31	OH	203	PEB	C3B-CAB-CBB-CGB
31	YH	203	PEB	C3B-CAB-CBB-CGB
31	UI	202	PEB	C3B-CAB-CBB-CGB
31	QJ	202	PEB	C3B-CAB-CBB-CGB
31	MK	201	PEB	C3B-CAB-CBB-CGB
31	M1	201	PEB	C3B-CAB-CBB-CGB
31	d2	201	PEB	C3B-CAB-CBB-CGB
31	L4	202	PEB	C3B-CAB-CBB-CGB
31	Q5	202	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	S6	201	PEB	C3B-CAB-CBB-CGB
31	F8	201	PEB	C3B-CAB-CBB-CGB
31	G8	203	PEB	C3B-CAB-CBB-CGB
31	T8	201	PEB	C3B-CAB-CBB-CGB
31	p8	202	PEB	C3B-CAB-CBB-CGB
31	S9	202	PEB	C3B-CAB-CBB-CGB
31	W9	202	PEB	C3B-CAB-CBB-CGB
31	dC	201	PEB	C3B-CAB-CBB-CGB
31	lD	201	PEB	C3B-CAB-CBB-CGB
31	lE	201	PEB	C3B-CAB-CBB-CGB
31	gF	202	PEB	C3B-CAB-CBB-CGB
31	pF	202	PEB	C3B-CAB-CBB-CGB
33	DD	1001	CYC	C2A-CAA-CBA-CGA
33	DE	1001	CYC	C2A-CAA-CBA-CGA
31	LD	1002	PEB	C2B-C3B-CAB-CBB
31	IJ	201	PEB	C2B-C3B-CAB-CBB
31	I5	201	PEB	C2B-C3B-CAB-CBB
32	AD	302	PUB	C2D-C1D-CHC-C4C
32	AE	302	PUB	C2D-C1D-CHC-C4C
32	AH	303	PUB	C2D-C1D-CHC-C4C
32	A4	303	PUB	C2D-C1D-CHC-C4C
31	LE	1002	PEB	C2B-C3B-CAB-CBB
31	dD	204	PEB	C2B-C3B-CAB-CBB
31	dE	204	PEB	C2B-C3B-CAB-CBB
31	GA	203	PEB	C2C-CAC-CBC-CGC
31	GD	202	PEB	C2C-CAC-CBC-CGC
31	JE	201	PEB	C2C-CAC-CBC-CGC
31	JG	202	PEB	C2C-CAC-CBC-CGC
31	QH	203	PEB	C2C-CAC-CBC-CGC
31	TK	203	PEB	C2C-CAC-CBC-CGC
31	XK	201	PEB	C2C-CAC-CBC-CGC
31	YK	301	PEB	C2C-CAC-CBC-CGC
31	T1	203	PEB	C2C-CAC-CBC-CGC
31	X1	201	PEB	C2C-CAC-CBC-CGC
31	Y1	301	PEB	C2C-CAC-CBC-CGC
31	H4	202	PEB	C2C-CAC-CBC-CGC
31	d5	401	PEB	C2C-CAC-CBC-CGC
31	i6	203	PEB	C2C-CAC-CBC-CGC
31	m6	202	PEB	C2C-CAC-CBC-CGC
31	Q7	203	PEB	C2C-CAC-CBC-CGC
31	Y7	503	PEB	C2C-CAC-CBC-CGC
31	iB	203	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	mB	202	PEB	C2C-CAC-CBC-CGC
31	dJ	401	PEB	C2C-CAC-CBC-CGC
33	CB	1001	CYC	C2B-C3B-CAB-CBB
33	C6	1001	CYC	C2B-C3B-CAB-CBB
31	SJ	202	PEB	C2D-C3D-CAD-CBD
31	XJ	202	PEB	C2D-C3D-CAD-CBD
31	f2	201	PEB	C2D-C3D-CAD-CBD
31	b2	202	PEB	C2D-C3D-CAD-CBD
31	c2	202	PEB	C2D-C3D-CAD-CBD
31	K4	202	PEB	C2D-C3D-CAD-CBD
31	Y4	203	PEB	C2D-C3D-CAD-CBD
31	S5	202	PEB	C2D-C3D-CAD-CBD
31	J5	202	PEB	C2D-C3D-CAD-CBD
31	X5	202	PEB	C2D-C3D-CAD-CBD
31	fC	201	PEB	C2D-C3D-CAD-CBD
31	bC	202	PEB	C2D-C3D-CAD-CBD
31	cC	202	PEB	C2D-C3D-CAD-CBD
33	FE	1001	CYC	C2B-C3B-CAB-CBB
32	QH	202	PUB	C4A-C3A-CAA-CBA
33	FD	201	CYC	C2B-C3B-CAB-CBB
31	eK	301	PEB	NB-C4B-CHB-C1C
33	GB	1001	CYC	C4B-C3B-CAB-CBB
33	ID	1001	CYC	C4B-C3B-CAB-CBB
33	IE	1001	CYC	C4B-C3B-CAB-CBB
33	KE	202	CYC	C4B-C3B-CAB-CBB
33	G6	1001	CYC	C4B-C3B-CAB-CBB
31	QD	201	PEB	C4B-C3B-CAB-CBB
31	QE	201	PEB	C4B-C3B-CAB-CBB
32	Z9	304	PUB	C4A-C3A-CAA-CBA
32	M9	304	PUB	C4A-C3A-CAA-CBA
31	NH	202	PEB	C3B-CAB-CBB-CGB
31	IJ	201	PEB	C4B-C3B-CAB-CBB
31	P4	201	PEB	C4B-C3B-CAB-CBB
31	I5	201	PEB	C4B-C3B-CAB-CBB
31	JK	203	PEB	C2B-C3B-CAB-CBB
31	J1	203	PEB	C2B-C3B-CAB-CBB
31	DB	1002	PEB	C3B-CAB-CBB-CGB
31	RF	201	PEB	C3B-CAB-CBB-CGB
31	YF	201	PEB	C3B-CAB-CBB-CGB
31	LI	202	PEB	C3B-CAB-CBB-CGB
31	Y4	202	PEB	C3B-CAB-CBB-CGB
31	D6	1002	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	Y8	201	PEB	C3B-CAB-CBB-CGB
31	R8	201	PEB	C3B-CAB-CBB-CGB
31	1F	201	PEB	C2B-C3B-CAB-CBB
31	JK	203	PEB	C4B-C3B-CAB-CBB
31	J1	203	PEB	C4B-C3B-CAB-CBB
33	LC	1003	CYC	C2B-C3B-CAB-CBB
31	CA	201	PEB	C2C-CAC-CBC-CGC
31	RA	201	PEB	C2C-CAC-CBC-CGC
31	HB	1002	PEB	C2A-C3A-CAA-CBA
31	RB	202	PEB	C2C-CAC-CBC-CGC
31	JC	1002	PEB	ND-C1D-CHC-C4C
31	QC	201	PEB	C2A-C3A-CAA-CBA
31	VC	203	PEB	ND-C1D-CHC-C4C
31	WC	202	PEB	C2C-CAC-CBC-CGC
31	ZC	201	PEB	ND-C1D-CHC-C4C
31	AD	301	PEB	ND-C1D-CHC-C4C
31	OD	202	PEB	C2C-CAC-CBC-CGC
31	PD	201	PEB	C2A-C3A-CAA-CBA
31	QD	203	PEB	C2A-C3A-CAA-CBA
31	RD	202	PEB	C2C-CAC-CBC-CGC
31	AE	301	PEB	ND-C1D-CHC-C4C
31	OE	202	PEB	C2C-CAC-CBC-CGC
31	PE	201	PEB	C2A-C3A-CAA-CBA
31	QE	203	PEB	C2A-C3A-CAA-CBA
31	RE	202	PEB	C2C-CAC-CBC-CGC
31	BF	201	PEB	ND-C1D-CHC-C4C
31	OF	201	PEB	ND-C1D-CHC-C4C
31	ZF	202	PEB	ND-C1D-CHC-C4C
31	AG	202	PEB	ND-C1D-CHC-C4C
31	CG	202	PEB	ND-C1D-CHC-C4C
31	EG	202	PEB	ND-C1D-CHC-C4C
31	GG	203	PEB	ND-C1D-CHC-C4C
31	HG	201	PEB	C2A-C3A-CAA-CBA
31	IG	202	PEB	ND-C1D-CHC-C4C
31	KG	203	PEB	ND-C1D-CHC-C4C
31	LG	202	PEB	C2C-CAC-CBC-CGC
31	NG	202	PEB	ND-C1D-CHC-C4C
31	OG	203	PEB	C2C-CAC-CBC-CGC
31	PG	202	PEB	ND-C1D-CHC-C4C
31	QG	201	PEB	C2C-CAC-CBC-CGC
31	RG	202	PEB	ND-C1D-CHC-C4C
31	TG	203	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	VG	202	PEB	ND-C1D-CHC-C4C
31	XG	202	PEB	ND-C1D-CHC-C4C
31	BH	301	PEB	ND-C1D-CHC-C4C
31	SH	202	PEB	ND-C1D-CHC-C4C
31	MI	302	PEB	ND-C1D-CHC-C4C
31	MI	305	PEB	C2A-C3A-CAA-CBA
31	SI	201	PEB	C2A-C3A-CAA-CBA
31	SI	202	PEB	ND-C1D-CHC-C4C
31	UI	201	PEB	ND-C1D-CHC-C4C
31	WI	201	PEB	C2C-CAC-CBC-CGC
31	ZI	301	PEB	ND-C1D-CHC-C4C
31	ZI	304	PEB	C2A-C3A-CAA-CBA
31	AJ	302	PEB	ND-C1D-CHC-C4C
31	CJ	202	PEB	ND-C1D-CHC-C4C
31	EJ	202	PEB	C2A-C3A-CAA-CBA
31	FJ	203	PEB	C2C-CAC-CBC-CGC
31	IJ	201	PEB	C2C-CAC-CBC-CGC
31	JJ	201	PEB	ND-C1D-CHC-C4C
31	JJ	203	PEB	ND-C1D-CHC-C4C
31	NJ	204	PEB	ND-C1D-CHC-C4C
31	OJ	201	PEB	ND-C1D-CHC-C4C
31	OJ	202	PEB	ND-C1D-CHC-C4C
31	OJ	202	PEB	C2C-CAC-CBC-CGC
31	RJ	203	PEB	ND-C1D-CHC-C4C
31	TJ	201	PEB	ND-C1D-CHC-C4C
31	VJ	203	PEB	ND-C1D-CHC-C4C
31	WJ	201	PEB	C2A-C3A-CAA-CBA
31	HK	203	PEB	C2C-CAC-CBC-CGC
31	PK	203	PEB	C2C-CAC-CBC-CGC
31	RK	201	PEB	C2C-CAC-CBC-CGC
31	H1	203	PEB	C2C-CAC-CBC-CGC
31	P1	203	PEB	C2C-CAC-CBC-CGC
31	R1	201	PEB	C2C-CAC-CBC-CGC
31	Q2	201	PEB	C2A-C3A-CAA-CBA
31	Q2	203	PEB	C2A-C3A-CAA-CBA
31	J2	1002	PEB	ND-C1D-CHC-C4C
31	V2	203	PEB	ND-C1D-CHC-C4C
31	W2	202	PEB	C2C-CAC-CBC-CGC
31	Z2	201	PEB	ND-C1D-CHC-C4C
31	f2	203	PEB	ND-C1D-CHC-C4C
31	k2	202	PEB	ND-C1D-CHC-C4C
31	l2	201	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	l2	203	PEB	ND-C1D-CHC-C4C
31	B4	301	PEB	ND-C1D-CHC-C4C
31	H4	201	PEB	C2C-CAC-CBC-CGC
31	Q4	203	PEB	C2C-CAC-CBC-CGC
31	U4	203	PEB	ND-C1D-CHC-C4C
31	a4	201	PEB	C2C-CAC-CBC-CGC
31	c4	202	PEB	ND-C1D-CHC-C4C
31	e4	201	PEB	ND-C1D-CHC-C4C
31	h4	203	PEB	ND-C1D-CHC-C4C
31	j4	202	PEB	ND-C1D-CHC-C4C
31	N5	204	PEB	ND-C1D-CHC-C4C
31	O5	201	PEB	ND-C1D-CHC-C4C
31	O5	202	PEB	ND-C1D-CHC-C4C
31	O5	202	PEB	C2C-CAC-CBC-CGC
31	R5	203	PEB	ND-C1D-CHC-C4C
31	T5	201	PEB	ND-C1D-CHC-C4C
31	A5	302	PEB	ND-C1D-CHC-C4C
31	C5	202	PEB	ND-C1D-CHC-C4C
31	E5	202	PEB	C2A-C3A-CAA-CBA
31	F5	203	PEB	C2C-CAC-CBC-CGC
31	I5	201	PEB	C2C-CAC-CBC-CGC
31	J5	201	PEB	ND-C1D-CHC-C4C
31	J5	203	PEB	ND-C1D-CHC-C4C
31	V5	203	PEB	ND-C1D-CHC-C4C
31	W5	201	PEB	C2A-C3A-CAA-CBA
31	H6	1002	PEB	C2A-C3A-CAA-CBA
31	R6	202	PEB	C2C-CAC-CBC-CGC
31	j6	201	PEB	ND-C1D-CHC-C4C
31	a6	202	PEB	C2A-C3A-CAA-CBA
31	h6	201	PEB	ND-C1D-CHC-C4C
31	C7	201	PEB	C2C-CAC-CBC-CGC
31	E7	202	PEB	ND-C1D-CHC-C4C
31	E7	203	PEB	ND-C1D-CHC-C4C
31	E7	203	PEB	C2C-CAC-CBC-CGC
31	G7	201	PEB	C2A-C3A-CAA-CBA
31	I7	202	PEB	ND-C1D-CHC-C4C
31	I7	203	PEB	C2C-CAC-CBC-CGC
31	L7	201	PEB	C2C-CAC-CBC-CGC
31	P7	201	PEB	C2A-C3A-CAA-CBA
31	Q7	203	PEB	C2A-C3A-CAA-CBA
31	R7	201	PEB	C2A-C3A-CAA-CBA
31	U7	203	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	Z8	202	PEB	ND-C1D-CHC-C4C
31	B8	201	PEB	ND-C1D-CHC-C4C
31	O8	201	PEB	ND-C1D-CHC-C4C
31	a8	201	PEB	ND-C1D-CHC-C4C
31	c8	202	PEB	C2A-C3A-CAA-CBA
31	c8	203	PEB	C2C-CAC-CBC-CGC
31	e8	201	PEB	ND-C1D-CHC-C4C
31	i8	203	PEB	ND-C1D-CHC-C4C
31	k8	203	PEB	ND-C1D-CHC-C4C
31	t8	203	PEB	ND-C1D-CHC-C4C
31	D9	202	PEB	ND-C1D-CHC-C4C
31	L9	202	PEB	ND-C1D-CHC-C4C
31	M9	302	PEB	C2A-C3A-CAA-CBA
31	M9	303	PEB	ND-C1D-CHC-C4C
31	S9	202	PEB	ND-C1D-CHC-C4C
31	W9	202	PEB	ND-C1D-CHC-C4C
31	Z9	302	PEB	C2A-C3A-CAA-CBA
31	Z9	303	PEB	ND-C1D-CHC-C4C
31	jB	201	PEB	ND-C1D-CHC-C4C
31	aB	202	PEB	C2A-C3A-CAA-CBA
31	hB	201	PEB	ND-C1D-CHC-C4C
31	fC	203	PEB	ND-C1D-CHC-C4C
31	kC	202	PEB	ND-C1D-CHC-C4C
31	kC	203	PEB	ND-C1D-CHC-C4C
31	lC	202	PEB	ND-C1D-CHC-C4C
31	eC	201	PEB	ND-C1D-CHC-C4C
31	fD	203	PEB	ND-C1D-CHC-C4C
31	fE	203	PEB	ND-C1D-CHC-C4C
31	aF	201	PEB	ND-C1D-CHC-C4C
31	cF	203	PEB	C2C-CAC-CBC-CGC
31	eF	201	PEB	ND-C1D-CHC-C4C
31	iF	203	PEB	ND-C1D-CHC-C4C
31	kF	203	PEB	ND-C1D-CHC-C4C
31	uF	201	PEB	ND-C1D-CHC-C4C
31	aH	202	PEB	C2C-CAC-CBC-CGC
31	lH	202	PEB	ND-C1D-CHC-C4C
32	AB	302	PUB	NA-C4A-CHA-C1B
32	AD	303	PUB	C3B-CAB-CBB-CGB
32	AE	303	PUB	C3B-CAB-CBB-CGB
32	NJ	201	PUB	C3C-C4C-CHC-C1D
32	YK	304	PUB	C3B-CAB-CBB-CGB
32	Y1	304	PUB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
32	N5	201	PUB	C3C-C4C-CHC-C1D
32	A6	302	PUB	NA-C4A-CHA-C1B
32	x8	306	PUB	C3C-C4C-CHC-C1D
32	M9	304	PUB	NA-C4A-CHA-C1B
32	Z9	304	PUB	NA-C4A-CHA-C1B
32	xF	306	PUB	C3C-C4C-CHC-C1D
33	EC	1001	CYC	C2C-C3C-CAC-CBC
33	JC	1003	CYC	C3D-CAD-CBD-CGD
33	M2	201	CYC	C3D-CAD-CBD-CGD
33	E2	1001	CYC	C2C-C3C-CAC-CBC
33	I2	201	CYC	C2B-C3B-CAB-CBB
31	h4	202	PEB	C2B-C3B-CAB-CBB
31	l8	201	PEB	C2B-C3B-CAB-CBB
31	p8	202	PEB	C2B-C3B-CAB-CBB
33	BD	1001	CYC	C3A-C2A-CAA-CBA
33	BE	1001	CYC	C3A-C2A-CAA-CBA
31	DB	1002	PEB	C3C-C2C-CAC-CBC
31	LD	1002	PEB	C3C-C2C-CAC-CBC
31	VD	201	PEB	C3C-C2C-CAC-CBC
31	LE	1002	PEB	C3C-C2C-CAC-CBC
31	VE	201	PEB	C3C-C2C-CAC-CBC
31	VF	202	PEB	C1C-C2C-CAC-CBC
31	OH	202	PEB	C3C-C2C-CAC-CBC
31	OI	202	PEB	C1C-C2C-CAC-CBC
31	OI	202	PEB	C3C-C2C-CAC-CBC
31	W4	202	PEB	C1C-C2C-CAC-CBC
31	a4	203	PEB	C1C-C2C-CAC-CBC
31	a4	203	PEB	C3C-C2C-CAC-CBC
31	j4	202	PEB	C1C-C2C-CAC-CBC
31	j4	202	PEB	C3C-C2C-CAC-CBC
31	D6	1002	PEB	C3C-C2C-CAC-CBC
31	V8	202	PEB	C1C-C2C-CAC-CBC
31	dD	202	PEB	C1C-C2C-CAC-CBC
31	dD	202	PEB	C3C-C2C-CAC-CBC
31	dE	202	PEB	C1C-C2C-CAC-CBC
31	dE	202	PEB	C3C-C2C-CAC-CBC
32	AJ	303	PUB	C2B-C3B-CAB-CBB
32	A5	303	PUB	C2B-C3B-CAB-CBB
31	pF	202	PEB	C2B-C3B-CAB-CBB
31	EH	201	PEB	C3B-CAB-CBB-CGB
31	WI	202	PEB	C3B-CAB-CBB-CGB
31	VK	202	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	V1	202	PEB	C3B-CAB-CBB-CGB
31	d4	201	PEB	C3B-CAB-CBB-CGB
31	i8	202	PEB	C3B-CAB-CBB-CGB
31	v8	201	PEB	C3B-CAB-CBB-CGB
31	B9	201	PEB	C3B-CAB-CBB-CGB
31	iF	202	PEB	C3B-CAB-CBB-CGB
31	vF	201	PEB	C3B-CAB-CBB-CGB
33	D2	1001	CYC	C2B-C3B-CAB-CBB
33	MD	1001	CYC	C2B-C3B-CAB-CBB
33	ME	1001	CYC	C2B-C3B-CAB-CBB
33	DC	1001	CYC	C2B-C3B-CAB-CBB
33	JB	1001	CYC	C2B-C3B-CAB-CBB
31	GA	203	PEB	C4D-C3D-CAD-CBD
31	KH	202	PEB	C4D-C3D-CAD-CBD
31	HJ	201	PEB	C4D-C3D-CAD-CBD
31	JJ	202	PEB	C4D-C3D-CAD-CBD
31	XJ	202	PEB	C4D-C3D-CAD-CBD
31	YJ	202	PEB	C4D-C3D-CAD-CBD
31	H5	201	PEB	C4D-C3D-CAD-CBD
31	J5	202	PEB	C4D-C3D-CAD-CBD
31	X5	202	PEB	C4D-C3D-CAD-CBD
31	Y5	202	PEB	C4D-C3D-CAD-CBD
31	O9	203	PEB	C4D-C3D-CAD-CBD
31	cF	202	PEB	C4D-C3D-CAD-CBD
31	aH	201	PEB	C4D-C3D-CAD-CBD
33	J6	1001	CYC	C2B-C3B-CAB-CBB
31	P4	201	PEB	C3B-CAB-CBB-CGB
31	H9	201	PEB	C3B-CAB-CBB-CGB
31	rF	201	PEB	C3B-CAB-CBB-CGB
31	SA	202	PEB	C2C-CAC-CBC-CGC
31	UD	203	PEB	C2C-CAC-CBC-CGC
31	FG	201	PEB	C2C-CAC-CBC-CGC
31	JI	201	PEB	C2C-CAC-CBC-CGC
31	DK	201	PEB	C2C-CAC-CBC-CGC
31	D1	201	PEB	C2C-CAC-CBC-CGC
31	Y4	202	PEB	C2C-CAC-CBC-CGC
31	o8	202	PEB	C2C-CAC-CBC-CGC
31	lD	202	PEB	C2C-CAC-CBC-CGC
31	lE	202	PEB	C2C-CAC-CBC-CGC
31	oF	202	PEB	C2C-CAC-CBC-CGC
31	gH	202	PEB	C2C-CAC-CBC-CGC
33	DC	1001	CYC	C3D-CAD-CBD-CGD

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Mol	Chain	Res	Type	Atoms
33	D2	1001	CYC	C3D-CAD-CBD-CGD
32	BH	302	PUB	C4D-C3D-CAD-CBD
32	B4	302	PUB	C4D-C3D-CAD-CBD
33	N6	1001	CYC	C4B-C3B-CAB-CBB
31	ZF	201	PEB	C2B-C3B-CAB-CBB
31	Z8	201	PEB	C2B-C3B-CAB-CBB
31	S9	201	PEB	C2B-C3B-CAB-CBB
31	IA	202	PEB	CAC-CBC-CGC-O1C
31	YF	203	PEB	CAC-CBC-CGC-O1C
31	f2	201	PEB	CAC-CBC-CGC-O1C
31	fC	201	PEB	CAC-CBC-CGC-O1C
31	cF	202	PEB	NA-C4A-CHA-C1B
31	BJ	201	PEB	CAB-CBB-CGB-O1B
31	Y8	203	PEB	CAC-CBC-CGC-O1C
31	A8	202	PEB	CAB-CBB-CGB-O1B
31	fA	301	PEB	CAB-CBB-CGB-O1B
31	hA	301	PEB	CAB-CBB-CGB-O1B
32	w8	304	PUB	C2D-C3D-CAD-CBD
31	RB	202	PEB	C2B-C3B-CAB-CBB
31	R6	202	PEB	C2B-C3B-CAB-CBB
31	o8	203	PEB	C2B-C3B-CAB-CBB
31	oF	203	PEB	C2B-C3B-CAB-CBB
31	XJ	203	PEB	CAB-CBB-CGB-O1B
33	DD	1001	CYC	CAA-CBA-CGA-O1A
31	HK	203	PEB	C2D-C3D-CAD-CBD
31	XK	202	PEB	C2D-C3D-CAD-CBD
31	H1	203	PEB	C2D-C3D-CAD-CBD
31	X1	202	PEB	C2D-C3D-CAD-CBD
31	O9	203	PEB	C2D-C3D-CAD-CBD
31	aH	201	PEB	C2D-C3D-CAD-CBD
31	NF	201	PEB	C3B-CAB-CBB-CGB
31	BJ	203	PEB	C3B-CAB-CBB-CGB
31	SJ	201	PEB	C3B-CAB-CBB-CGB
31	O4	201	PEB	C3B-CAB-CBB-CGB
31	S5	201	PEB	C3B-CAB-CBB-CGB
31	B5	203	PEB	C3B-CAB-CBB-CGB
31	N8	201	PEB	C3B-CAB-CBB-CGB
31	a8	203	PEB	C3B-CAB-CBB-CGB
31	r8	201	PEB	C3B-CAB-CBB-CGB
31	dD	204	PEB	C3B-CAB-CBB-CGB
31	dE	204	PEB	C3B-CAB-CBB-CGB
31	eE	202	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	aF	203	PEB	C3B-CAB-CBB-CGB
31	kH	201	PEB	C3B-CAB-CBB-CGB
32	YK	304	PUB	C2C-CAC-CBC-CGC
32	Y1	304	PUB	C2C-CAC-CBC-CGC
31	GA	203	PEB	CAC-CBC-CGC-O2C
31	NA	202	PEB	CAB-CBB-CGB-O1B
31	ZA	201	PEB	CAB-CBB-CGB-O2B
31	PB	202	PEB	CAB-CBB-CGB-O1B
31	FC	1002	PEB	CAC-CBC-CGC-O2C
31	VC	202	PEB	CAB-CBB-CGB-O2B
31	QD	201	PEB	CAC-CBC-CGC-O2C
31	QE	201	PEB	CAC-CBC-CGC-O2C
31	QE	203	PEB	CAB-CBB-CGB-O2B
31	KF	203	PEB	CAC-CBC-CGC-O2C
31	AG	203	PEB	CAC-CBC-CGC-O2C
31	WG	201	PEB	CAC-CBC-CGC-O2C
31	AH	301	PEB	CAB-CBB-CGB-O2B
31	AH	302	PEB	CAC-CBC-CGC-O2C
31	IH	203	PEB	CAC-CBC-CGC-O2C
31	WH	202	PEB	CAC-CBC-CGC-O2C
31	HI	201	PEB	CAC-CBC-CGC-O2C
31	UI	201	PEB	CAC-CBC-CGC-O2C
31	UI	201	PEB	CAB-CBB-CGB-O2B
31	EJ	201	PEB	CAB-CBB-CGB-O2B
31	KJ	201	PEB	CAC-CBC-CGC-O2C
31	AK	201	PEB	CAC-CBC-CGC-O2C
31	EK	202	PEB	CAB-CBB-CGB-O2B
31	MK	201	PEB	CAC-CBC-CGC-O2C
31	A1	201	PEB	CAC-CBC-CGC-O2C
31	M1	201	PEB	CAC-CBC-CGC-O2C
31	F2	1002	PEB	CAC-CBC-CGC-O2C
31	V2	203	PEB	CAC-CBC-CGC-O2C
31	h2	202	PEB	CAC-CBC-CGC-O2C
31	J4	202	PEB	CAC-CBC-CGC-O2C
31	R4	202	PEB	CAC-CBC-CGC-O2C
31	S4	201	PEB	CAC-CBC-CGC-O2C
31	W4	201	PEB	CAC-CBC-CGC-O2C
31	f4	201	PEB	CAC-CBC-CGC-O2C
31	J5	203	PEB	CAB-CBB-CGB-O2B
31	K5	201	PEB	CAC-CBC-CGC-O2C
31	X5	203	PEB	CAB-CBB-CGB-O1B
31	P6	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	m6	201	PEB	CAC-CBC-CGC-O1C
31	a6	202	PEB	CAB-CBB-CGB-O1B
31	a6	203	PEB	CAC-CBC-CGC-O1C
31	b6	202	PEB	CAC-CBC-CGC-O2C
31	G7	201	PEB	CAB-CBB-CGB-O2B
31	Q7	202	PEB	CAB-CBB-CGB-O2B
31	K8	203	PEB	CAC-CBC-CGC-O2C
31	j8	202	PEB	CAB-CBB-CGB-O2B
31	k8	203	PEB	CAC-CBC-CGC-O1C
31	q8	201	PEB	CAC-CBC-CGC-O2C
31	r8	201	PEB	CAB-CBB-CGB-O2B
31	v8	202	PEB	CAB-CBB-CGB-O2B
31	eA	201	PEB	CAB-CBB-CGB-O1B
31	mB	201	PEB	CAC-CBC-CGC-O1C
31	aB	202	PEB	CAB-CBB-CGB-O1B
31	bB	201	PEB	CAB-CBB-CGB-O1B
31	bB	202	PEB	CAC-CBC-CGC-O2C
31	hC	201	PEB	CAC-CBC-CGC-O2C
31	gD	201	PEB	CAC-CBC-CGC-O2C
31	kD	201	PEB	CAB-CBB-CGB-O1B
31	gE	201	PEB	CAC-CBC-CGC-O2C
31	jF	202	PEB	CAB-CBB-CGB-O2B
31	kF	203	PEB	CAC-CBC-CGC-O1C
31	qF	201	PEB	CAC-CBC-CGC-O2C
31	rF	201	PEB	CAB-CBB-CGB-O2B
31	aH	202	PEB	CAC-CBC-CGC-O2C
31	cH	202	PEB	CAC-CBC-CGC-O2C
31	eH	201	PEB	CAC-CBC-CGC-O2C
31	jH	203	PEB	CAC-CBC-CGC-O2C
31	lH	203	PEB	CAB-CBB-CGB-O2B
32	AC	304	PUB	CAB-CBB-CGB-O2B
32	BH	302	PUB	CAB-CBB-CGB-O2B
32	A2	304	PUB	CAB-CBB-CGB-O2B
33	KB	1001	CYC	CAA-CBA-CGA-O2A
33	DD	1001	CYC	CAD-CBD-CGD-O1D
33	DE	1001	CYC	CAA-CBA-CGA-O1A
33	DE	1001	CYC	CAD-CBD-CGD-O1D
33	L2	1001	CYC	CAD-CBD-CGD-O1D
33	63	901	CYC	CAD-CBD-CGD-O1D
33	73	1002	CYC	CAD-CBD-CGD-O1D
31	BA	201	PEB	C2D-C1D-CHC-C4C
31	PA	201	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	WA	401	PEB	C2D-C1D-CHC-C4C
31	AC	302	PEB	C2D-C1D-CHC-C4C
31	QC	202	PEB	C2D-C1D-CHC-C4C
31	OD	201	PEB	C2D-C1D-CHC-C4C
31	OE	201	PEB	C2D-C1D-CHC-C4C
31	SE	203	PEB	C2D-C1D-CHC-C4C
31	EF	201	PEB	C2D-C1D-CHC-C4C
31	DG	202	PEB	C2D-C1D-CHC-C4C
31	HG	202	PEB	C2D-C1D-CHC-C4C
31	MG	401	PEB	C2D-C1D-CHC-C4C
31	QG	201	PEB	C2D-C1D-CHC-C4C
31	UG	202	PEB	C2D-C1D-CHC-C4C
31	TJ	201	PEB	C2D-C1D-CHC-C4C
31	Q2	202	PEB	C2D-C1D-CHC-C4C
31	A2	302	PEB	C2D-C1D-CHC-C4C
31	f2	203	PEB	C2D-C1D-CHC-C4C
31	I4	203	PEB	C2D-C1D-CHC-C4C
31	M4	203	PEB	C2D-C1D-CHC-C4C
31	X4	202	PEB	C2D-C1D-CHC-C4C
31	d4	202	PEB	C2D-C1D-CHC-C4C
31	T5	201	PEB	C2D-C1D-CHC-C4C
31	m6	201	PEB	C2D-C1D-CHC-C4C
31	F7	202	PEB	C2D-C1D-CHC-C4C
31	L7	201	PEB	C2D-C1D-CHC-C4C
31	Y7	502	PEB	C2D-C1D-CHC-C4C
31	E8	201	PEB	C2D-C1D-CHC-C4C
31	g8	201	PEB	C2D-C1D-CHC-C4C
31	M9	301	PEB	C2D-C1D-CHC-C4C
31	Z9	301	PEB	C2D-C1D-CHC-C4C
31	cA	402	PEB	C2D-C1D-CHC-C4C
31	cA	403	PEB	C2D-C1D-CHC-C4C
31	mB	201	PEB	C2D-C1D-CHC-C4C
31	dD	203	PEB	C2D-C1D-CHC-C4C
31	fD	203	PEB	C2D-C1D-CHC-C4C
31	dE	203	PEB	C2D-C1D-CHC-C4C
31	fE	203	PEB	C2D-C1D-CHC-C4C
31	gF	201	PEB	C2D-C1D-CHC-C4C
32	AD	302	PUB	C3A-C4A-CHA-C1B
32	AE	302	PUB	C3A-C4A-CHA-C1B
32	y8	303	PUB	C3A-C4A-CHA-C1B
32	M9	304	PUB	C3A-C4A-CHA-C1B
32	M9	305	PUB	C3A-C4A-CHA-C1B

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Mol	Chain	Res	Type	Atoms
32	Z9	304	PUB	C3A-C4A-CHA-C1B
32	Z9	305	PUB	C3A-C4A-CHA-C1B
31	DK	201	PEB	C4B-C3B-CAB-CBB
31	D1	201	PEB	C4B-C3B-CAB-CBB
31	h4	202	PEB	C4B-C3B-CAB-CBB
32	wF	304	PUB	C2D-C3D-CAD-CBD
31	KA	304	PEB	CAC-CBC-CGC-O1C
31	KA	304	PEB	CAB-CBB-CGB-O1B
31	QA	204	PEB	CAB-CBB-CGB-O2B
31	YA	201	PEB	CAB-CBB-CGB-O1B
31	ZA	203	PEB	CAC-CBC-CGC-O2C
31	OB	201	PEB	CAB-CBB-CGB-O1B
31	PB	202	PEB	CAC-CBC-CGC-O1C
31	AC	302	PEB	CAB-CBB-CGB-O2B
31	VC	203	PEB	CAC-CBC-CGC-O2C
31	ZC	203	PEB	CAC-CBC-CGC-O2C
31	QD	203	PEB	CAB-CBB-CGB-O2B
31	AF	202	PEB	CAB-CBB-CGB-O1B
31	CF	203	PEB	CAB-CBB-CGB-O2B
31	JF	202	PEB	CAB-CBB-CGB-O2B
31	SF	202	PEB	CAC-CBC-CGC-O2C
31	YH	203	PEB	CAB-CBB-CGB-O2B
31	JJ	203	PEB	CAB-CBB-CGB-O2B
31	PJ	202	PEB	CAB-CBB-CGB-O2B
31	TJ	203	PEB	CAB-CBB-CGB-O2B
31	WJ	201	PEB	CAC-CBC-CGC-O1C
31	BK	202	PEB	CAB-CBB-CGB-O2B
31	HK	203	PEB	CAB-CBB-CGB-O2B
31	OK	202	PEB	CAC-CBC-CGC-O1C
31	B1	202	PEB	CAB-CBB-CGB-O2B
31	E1	202	PEB	CAB-CBB-CGB-O2B
31	H1	203	PEB	CAB-CBB-CGB-O2B
31	O1	202	PEB	CAC-CBC-CGC-O1C
31	A2	302	PEB	CAB-CBB-CGB-O2B
31	V2	202	PEB	CAB-CBB-CGB-O2B
31	Z2	203	PEB	CAC-CBC-CGC-O2C
31	c2	201	PEB	CAC-CBC-CGC-O2C
31	E4	201	PEB	CAC-CBC-CGC-O2C
31	M4	202	PEB	CAC-CBC-CGC-O2C
31	M4	203	PEB	CAB-CBB-CGB-O2B
31	V4	202	PEB	CAC-CBC-CGC-O2C
31	P5	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	R5	203	PEB	CAC-CBC-CGC-O2C
31	T5	203	PEB	CAB-CBB-CGB-O2B
31	B5	201	PEB	CAB-CBB-CGB-O1B
31	E5	201	PEB	CAB-CBB-CGB-O2B
31	W5	201	PEB	CAC-CBC-CGC-O1C
31	A6	305	PEB	CAB-CBB-CGB-O2B
31	P6	202	PEB	CAC-CBC-CGC-O1C
31	b6	201	PEB	CAB-CBB-CGB-O1B
31	A7	203	PEB	CAC-CBC-CGC-O1C
31	J8	202	PEB	CAB-CBB-CGB-O2B
31	S9	203	PEB	CAB-CBB-CGB-O2B
31	lB	202	PEB	CAC-CBC-CGC-O2C
31	aB	203	PEB	CAC-CBC-CGC-O1C
31	gC	201	PEB	CAB-CBB-CGB-O1B
31	vF	202	PEB	CAB-CBB-CGB-O2B
31	kH	202	PEB	CAC-CBC-CGC-O1C
33	NB	1001	CYC	CAD-CBD-CGD-O1D
33	LC	1001	CYC	CAD-CBD-CGD-O1D
33	K6	1001	CYC	CAA-CBA-CGA-O2A
33	N6	1001	CYC	CAD-CBD-CGD-O1D
31	DA	203	PEB	CAC-CBC-CGC-O2C
31	XA	202	PEB	CAB-CBB-CGB-O2B
31	OC	201	PEB	CAC-CBC-CGC-O2C
31	DD	1002	PEB	CAC-CBC-CGC-O1C
31	SE	202	PEB	CAB-CBB-CGB-O2B
31	CF	202	PEB	CAC-CBC-CGC-O2C
31	IH	202	PEB	CAC-CBC-CGC-O2C
31	BJ	202	PEB	CAB-CBB-CGB-O2B
31	DJ	203	PEB	CAB-CBB-CGB-O1B
31	RJ	203	PEB	CAC-CBC-CGC-O2C
31	UJ	201	PEB	CAC-CBC-CGC-O2C
31	YJ	202	PEB	CAC-CBC-CGC-O2C
31	OK	201	PEB	CAC-CBC-CGC-O2C
31	TK	201	PEB	CAC-CBC-CGC-O1C
31	UK	201	PEB	CAC-CBC-CGC-O2C
31	T1	201	PEB	CAC-CBC-CGC-O1C
31	g2	201	PEB	CAB-CBB-CGB-O1B
31	c2	202	PEB	CAC-CBC-CGC-O2C
31	C4	201	PEB	CAC-CBC-CGC-O2C
31	M4	201	PEB	CAC-CBC-CGC-O2C
31	U4	202	PEB	CAC-CBC-CGC-O2C
31	l4	203	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	P5	202	PEB	CAC-CBC-CGC-O2C
31	B5	202	PEB	CAB-CBB-CGB-O2B
31	D5	203	PEB	CAB-CBB-CGB-O1B
31	Y5	202	PEB	CAC-CBC-CGC-O2C
31	O6	201	PEB	CAB-CBB-CGB-O1B
31	l6	202	PEB	CAC-CBC-CGC-O2C
31	e6	201	PEB	CAC-CBC-CGC-O2C
31	h6	201	PEB	CAC-CBC-CGC-O2C
31	D7	202	PEB	CAB-CBB-CGB-O2B
31	E7	203	PEB	CAC-CBC-CGC-O1C
31	K7	202	PEB	CAC-CBC-CGC-O2C
31	Y7	503	PEB	CAB-CBB-CGB-O1B
31	C8	203	PEB	CAB-CBB-CGB-O2B
31	o8	203	PEB	CAB-CBB-CGB-O2B
31	Q9	203	PEB	CAB-CBB-CGB-O2B
31	Y9	203	PEB	CAB-CBB-CGB-O2B
31	eB	201	PEB	CAC-CBC-CGC-O2C
31	lC	201	PEB	CAC-CBC-CGC-O2C
31	cC	202	PEB	CAC-CBC-CGC-O2C
31	eE	201	PEB	CAB-CBB-CGB-O1B
31	oF	203	PEB	CAB-CBB-CGB-O2B
31	zF	501	PEB	CAC-CBC-CGC-O2C
31	iH	201	PEB	CAC-CBC-CGC-O2C
32	AD	303	PUB	CAC-CBC-CGC-O1C
32	AD	303	PUB	CAB-CBB-CGB-O2B
32	AE	303	PUB	CAC-CBC-CGC-O1C
32	AE	303	PUB	CAB-CBB-CGB-O2B
31	QA	203	PEB	CAC-CBC-CGC-O1C
31	RA	202	PEB	CAB-CBB-CGB-O1B
31	AB	304	PEB	CAB-CBB-CGB-O1B
31	VC	202	PEB	CAB-CBB-CGB-O1B
31	YC	202	PEB	CAB-CBB-CGB-O1B
31	QD	202	PEB	CAC-CBC-CGC-O2C
31	RD	202	PEB	CAC-CBC-CGC-O2C
31	SD	202	PEB	CAB-CBB-CGB-O2B
31	DE	1002	PEB	CAC-CBC-CGC-O1C
31	QE	202	PEB	CAC-CBC-CGC-O2C
31	RE	202	PEB	CAC-CBC-CGC-O2C
31	EF	202	PEB	CAB-CBB-CGB-O1B
31	MF	202	PEB	CAC-CBC-CGC-O1C
31	GG	201	PEB	CAC-CBC-CGC-O1C
31	OG	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	CH	202	PEB	CAC-CBC-CGC-O2C
31	DI	201	PEB	CAB-CBB-CGB-O1B
31	JI	202	PEB	CAC-CBC-CGC-O2C
31	LI	201	PEB	CAC-CBC-CGC-O1C
31	BJ	202	PEB	CAC-CBC-CGC-O2C
31	DJ	202	PEB	CAC-CBC-CGC-O2C
31	OJ	201	PEB	CAC-CBC-CGC-O1C
31	PJ	202	PEB	CAC-CBC-CGC-O2C
31	YJ	201	PEB	CAC-CBC-CGC-O1C
31	YJ	201	PEB	CAB-CBB-CGB-O1B
31	JK	202	PEB	CAC-CBC-CGC-O2C
31	K1	202	PEB	CAC-CBC-CGC-O2C
31	O1	201	PEB	CAC-CBC-CGC-O2C
31	U1	201	PEB	CAC-CBC-CGC-O2C
31	Y1	303	PEB	CAC-CBC-CGC-O2C
31	O2	201	PEB	CAC-CBC-CGC-O2C
31	V2	202	PEB	CAB-CBB-CGB-O1B
31	Y2	202	PEB	CAB-CBB-CGB-O1B
31	l2	201	PEB	CAB-CBB-CGB-O2B
31	D4	201	PEB	CAC-CBC-CGC-O2C
31	G4	201	PEB	CAC-CBC-CGC-O1C
31	I4	201	PEB	CAC-CBC-CGC-O2C
31	O4	201	PEB	CAC-CBC-CGC-O1C
31	Q4	203	PEB	CAC-CBC-CGC-O2C
31	T4	202	PEB	CAC-CBC-CGC-O2C
31	a4	201	PEB	CAC-CBC-CGC-O2C
31	O5	201	PEB	CAC-CBC-CGC-O1C
31	U5	201	PEB	CAC-CBC-CGC-O2C
31	B5	202	PEB	CAC-CBC-CGC-O2C
31	Y5	201	PEB	CAC-CBC-CGC-O1C
31	Y5	201	PEB	CAB-CBB-CGB-O1B
31	W6	201	PEB	CAC-CBC-CGC-O2C
31	j6	201	PEB	CAC-CBC-CGC-O2C
31	c6	201	PEB	CAC-CBC-CGC-O1C
31	B7	202	PEB	CAB-CBB-CGB-O2B
31	U7	201	PEB	CAC-CBC-CGC-O2C
31	U7	202	PEB	CAB-CBB-CGB-O1B
31	C8	202	PEB	CAC-CBC-CGC-O2C
31	E8	202	PEB	CAB-CBB-CGB-O1B
31	S8	202	PEB	CAC-CBC-CGC-O2C
31	d8	201	PEB	CAC-CBC-CGC-O2C
31	j8	201	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	l8	202	PEB	CAC-CBC-CGC-O2C
31	z8	501	PEB	CAC-CBC-CGC-O2C
31	H9	203	PEB	CAB-CBB-CGB-O2B
31	L9	203	PEB	CAB-CBB-CGB-O2B
31	U9	203	PEB	CAB-CBB-CGB-O2B
31	jB	201	PEB	CAC-CBC-CGC-O2C
31	mB	201	PEB	CAB-CBB-CGB-O2B
31	cB	201	PEB	CAC-CBC-CGC-O1C
31	hB	201	PEB	CAC-CBC-CGC-O2C
31	kC	203	PEB	CAB-CBB-CGB-O2B
31	cC	201	PEB	CAC-CBC-CGC-O2C
31	eD	201	PEB	CAB-CBB-CGB-O1B
31	fD	203	PEB	CAC-CBC-CGC-O1C
31	iD	202	PEB	CAB-CBB-CGB-O1B
31	iE	202	PEB	CAB-CBB-CGB-O1B
31	lF	202	PEB	CAC-CBC-CGC-O2C
31	oF	201	PEB	CAB-CBB-CGB-O1B
31	wF	301	PEB	CAC-CBC-CGC-O2C
31	fH	201	PEB	CAC-CBC-CGC-O1C
31	fH	203	PEB	CAC-CBC-CGC-O2C
31	fH	203	PEB	CAB-CBB-CGB-O1B
31	lH	202	PEB	CAC-CBC-CGC-O2C
31	mH	201	PEB	CAC-CBC-CGC-O1C
32	CI	203	PUB	CAB-CBB-CGB-O1B
32	A4	304	PUB	CAC-CBC-CGC-O1C
33	DC	1001	CYC	CAA-CBA-CGA-O1A
33	D2	1001	CYC	CAA-CBA-CGA-O1A
31	QA	201	PEB	CAB-CBB-CGB-O1B
31	QA	201	PEB	CAB-CBB-CGB-O2B
31	UA	303	PEB	CAC-CBC-CGC-O1C
31	UA	304	PEB	CAC-CBC-CGC-O1C
31	ZA	202	PEB	CAB-CBB-CGB-O1B
31	AB	301	PEB	CAC-CBC-CGC-O1C
31	AB	305	PEB	CAB-CBB-CGB-O2B
31	WB	201	PEB	CAC-CBC-CGC-O2C
31	UC	201	PEB	CAC-CBC-CGC-O1C
31	AD	301	PEB	CAB-CBB-CGB-O1B
31	UD	203	PEB	CAC-CBC-CGC-O1C
31	WD	203	PEB	CAC-CBC-CGC-O1C
31	AE	301	PEB	CAB-CBB-CGB-O1B
31	UE	203	PEB	CAC-CBC-CGC-O1C
31	WE	203	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	OF	203	PEB	CAC-CBC-CGC-O2C
31	SF	203	PEB	CAB-CBB-CGB-O1B
31	VF	202	PEB	CAB-CBB-CGB-O1B
31	WF	203	PEB	CAB-CBB-CGB-O1B
31	YF	202	PEB	CAB-CBB-CGB-O1B
31	JG	201	PEB	CAC-CBC-CGC-O1C
31	UG	201	PEB	CAC-CBC-CGC-O1C
31	VG	203	PEB	CAC-CBC-CGC-O2C
31	WG	202	PEB	CAC-CBC-CGC-O1C
31	EH	201	PEB	CAC-CBC-CGC-O2C
31	FH	202	PEB	CAC-CBC-CGC-O2C
31	GH	201	PEB	CAC-CBC-CGC-O1C
31	HH	202	PEB	CAC-CBC-CGC-O1C
31	KH	202	PEB	CAC-CBC-CGC-O1C
31	QH	203	PEB	CAC-CBC-CGC-O1C
31	YH	202	PEB	CAC-CBC-CGC-O2C
31	HI	201	PEB	CAB-CBB-CGB-O1B
31	MI	302	PEB	CAB-CBB-CGB-O1B
31	MI	304	PEB	CAC-CBC-CGC-O2C
31	ZI	301	PEB	CAB-CBB-CGB-O1B
31	DJ	203	PEB	CAC-CBC-CGC-O1C
31	GJ	202	PEB	CAC-CBC-CGC-O1C
31	JJ	201	PEB	CAC-CBC-CGC-O1C
31	OJ	202	PEB	CAC-CBC-CGC-O1C
31	QJ	202	PEB	CAB-CBB-CGB-O1B
31	XJ	203	PEB	CAC-CBC-CGC-O1C
31	YJ	201	PEB	CAB-CBB-CGB-O2B
31	GK	202	PEB	CAB-CBB-CGB-O2B
31	NK	203	PEB	CAB-CBB-CGB-O1B
31	SK	202	PEB	CAC-CBC-CGC-O1C
31	UK	202	PEB	CAC-CBC-CGC-O1C
31	YK	303	PEB	CAC-CBC-CGC-O2C
31	J1	202	PEB	CAC-CBC-CGC-O2C
31	N1	203	PEB	CAB-CBB-CGB-O1B
31	P1	201	PEB	CAC-CBC-CGC-O2C
31	Q1	201	PEB	CAC-CBC-CGC-O1C
31	S1	201	PEB	CAC-CBC-CGC-O2C
31	S1	202	PEB	CAC-CBC-CGC-O1C
31	W1	202	PEB	CAC-CBC-CGC-O1C
31	Y1	303	PEB	CAB-CBB-CGB-O1B
31	Q2	202	PEB	CAC-CBC-CGC-O1C
31	U2	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	k2	202	PEB	CAB-CBB-CGB-01B
31	l2	201	PEB	CAC-CBC-CGC-01C
31	l2	202	PEB	CAC-CBC-CGC-02C
31	A4	301	PEB	CAC-CBC-CGC-01C
31	C4	202	PEB	CAC-CBC-CGC-01C
31	C4	202	PEB	CAB-CBB-CGB-02B
31	Q4	204	PEB	CAC-CBC-CGC-01C
31	R4	202	PEB	CAC-CBC-CGC-01C
31	S4	201	PEB	CAC-CBC-CGC-01C
31	Y4	201	PEB	CAC-CBC-CGC-02C
31	Z4	202	PEB	CAC-CBC-CGC-02C
31	d4	201	PEB	CAC-CBC-CGC-01C
31	d4	202	PEB	CAC-CBC-CGC-01C
31	h4	203	PEB	CAC-CBC-CGC-01C
31	Q5	202	PEB	CAB-CBB-CGB-01B
31	D5	202	PEB	CAC-CBC-CGC-02C
31	G5	202	PEB	CAC-CBC-CGC-01C
31	V5	201	PEB	CAB-CBB-CGB-01B
31	A6	301	PEB	CAC-CBC-CGC-01C
31	A6	304	PEB	CAB-CBB-CGB-01B
31	m6	201	PEB	CAB-CBB-CGB-02B
31	m6	203	PEB	CAC-CBC-CGC-01C
31	e6	203	PEB	CAC-CBC-CGC-01C
31	f6	202	PEB	CAC-CBC-CGC-01C
31	h6	202	PEB	CAC-CBC-CGC-01C
31	A7	202	PEB	CAB-CBB-CGB-02B
31	E7	201	PEB	CAC-CBC-CGC-01C
31	I7	202	PEB	CAC-CBC-CGC-01C
31	b7	503	PEB	CAC-CBC-CGC-01C
31	N7	202	PEB	CAB-CBB-CGB-01B
31	O7	203	PEB	CAC-CBC-CGC-02C
31	S7	203	PEB	CAB-CBB-CGB-02B
31	W7	201	PEB	CAC-CBC-CGC-01C
31	W7	202	PEB	CAC-CBC-CGC-01C
31	V8	202	PEB	CAB-CBB-CGB-01B
31	W8	203	PEB	CAB-CBB-CGB-01B
31	Y8	202	PEB	CAB-CBB-CGB-01B
31	M8	202	PEB	CAC-CBC-CGC-01C
31	S8	203	PEB	CAB-CBB-CGB-01B
31	l8	201	PEB	CAC-CBC-CGC-01C
31	o8	201	PEB	CAB-CBB-CGB-01B
31	w8	301	PEB	CAC-CBC-CGC-02C

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Mol	Chain	Res	Type	Atoms
31	y8	301	PEB	CAB-CBB-CGB-O1B
31	H9	203	PEB	CAC-CBC-CGC-O1C
31	L9	201	PEB	CAC-CBC-CGC-O1C
31	M9	302	PEB	CAC-CBC-CGC-O1C
31	Z9	302	PEB	CAC-CBC-CGC-O1C
31	kB	203	PEB	CAC-CBC-CGC-O1C
31	aB	202	PEB	CAC-CBC-CGC-O1C
31	eB	203	PEB	CAC-CBC-CGC-O1C
31	fB	202	PEB	CAC-CBC-CGC-O1C
31	hB	202	PEB	CAC-CBC-CGC-O1C
31	hC	202	PEB	CAC-CBC-CGC-O1C
31	kC	202	PEB	CAB-CBB-CGB-O1B
31	aD	202	PEB	CAB-CBB-CGB-O1B
31	cD	201	PEB	CAC-CBC-CGC-O1C
31	dD	202	PEB	CAC-CBC-CGC-O2C
31	eD	203	PEB	CAC-CBC-CGC-O1C
31	fD	202	PEB	CAC-CBC-CGC-O1C
31	hD	202	PEB	CAC-CBC-CGC-O1C
31	hD	202	PEB	CAB-CBB-CGB-O1B
31	lD	202	PEB	CAC-CBC-CGC-O1C
31	aE	202	PEB	CAB-CBB-CGB-O1B
31	cE	201	PEB	CAC-CBC-CGC-O1C
31	dE	202	PEB	CAC-CBC-CGC-O2C
31	fE	201	PEB	CAC-CBC-CGC-O1C
31	fE	202	PEB	CAC-CBC-CGC-O1C
31	fE	203	PEB	CAC-CBC-CGC-O1C
31	hE	202	PEB	CAC-CBC-CGC-O1C
31	hE	202	PEB	CAB-CBB-CGB-O1B
31	lE	202	PEB	CAC-CBC-CGC-O1C
31	jF	201	PEB	CAC-CBC-CGC-O2C
31	lF	201	PEB	CAC-CBC-CGC-O1C
31	yF	301	PEB	CAB-CBB-CGB-O1B
31	aH	204	PEB	CAC-CBC-CGC-O1C
32	AD	302	PUB	CAC-CBC-CGC-O1C
32	AE	302	PUB	CAC-CBC-CGC-O1C
32	CI	203	PUB	CAC-CBC-CGC-O1C
32	ZI	305	PUB	CAC-CBC-CGC-O1C
32	y8	303	PUB	CAB-CBB-CGB-O1B
32	yF	303	PUB	CAB-CBB-CGB-O1B
33	CB	1001	CYC	CAA-CBA-CGA-O1A
33	C6	1001	CYC	CAA-CBA-CGA-O1A
31	BA	203	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	DA	202	PEB	CAB-CBB-CGB-O2B
31	DA	203	PEB	CAB-CBB-CGB-O1B
31	JA	202	PEB	CAB-CBB-CGB-O1B
31	NA	203	PEB	CAB-CBB-CGB-O1B
31	SA	202	PEB	CAC-CBC-CGC-O1C
31	TA	202	PEB	CAB-CBB-CGB-O1B
31	UA	303	PEB	CAB-CBB-CGB-O1B
31	VA	201	PEB	CAB-CBB-CGB-O2B
31	VA	202	PEB	CAB-CBB-CGB-O1B
31	WA	401	PEB	CAC-CBC-CGC-O1C
31	FB	1002	PEB	CAC-CBC-CGC-O1C
31	VB	202	PEB	CAC-CBC-CGC-O1C
31	YB	203	PEB	CAC-CBC-CGC-O1C
31	AC	302	PEB	CAB-CBB-CGB-O1B
31	HC	1002	PEB	CAC-CBC-CGC-O1C
31	OC	202	PEB	CAB-CBB-CGB-O1B
31	QC	202	PEB	CAC-CBC-CGC-O1C
31	QC	203	PEB	CAC-CBC-CGC-O2C
31	UC	203	PEB	CAC-CBC-CGC-O2C
31	ZC	203	PEB	CAC-CBC-CGC-O1C
31	HD	1002	PEB	CAC-CBC-CGC-O1C
31	KD	201	PEB	CAC-CBC-CGC-O1C
31	QD	203	PEB	CAB-CBB-CGB-O1B
31	UD	203	PEB	CAB-CBB-CGB-O2B
31	HE	1002	PEB	CAC-CBC-CGC-O1C
31	KE	201	PEB	CAC-CBC-CGC-O1C
31	QE	203	PEB	CAB-CBB-CGB-O1B
31	UE	203	PEB	CAB-CBB-CGB-O2B
31	ZE	201	PEB	CAC-CBC-CGC-O1C
31	CF	203	PEB	CAC-CBC-CGC-O1C
31	MF	201	PEB	CAC-CBC-CGC-O1C
31	QF	202	PEB	CAB-CBB-CGB-O1B
31	SF	202	PEB	CAC-CBC-CGC-O1C
31	HG	201	PEB	CAC-CBC-CGC-O1C
31	OG	201	PEB	CAC-CBC-CGC-O2C
31	GH	202	PEB	CAC-CBC-CGC-O2C
31	JH	202	PEB	CAC-CBC-CGC-O2C
31	SH	203	PEB	CAC-CBC-CGC-O1C
31	WH	202	PEB	CAB-CBB-CGB-O2B
31	WH	203	PEB	CAC-CBC-CGC-O1C
31	FI	201	PEB	CAC-CBC-CGC-O1C
31	JI	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	QI	201	PEB	CAC-CBC-CGC-O1C
31	QI	201	PEB	CAC-CBC-CGC-O2C
31	SI	201	PEB	CAC-CBC-CGC-O1C
31	ZI	303	PEB	CAC-CBC-CGC-O2C
31	DJ	201	PEB	CAC-CBC-CGC-O1C
31	JJ	203	PEB	CAC-CBC-CGC-O1C
31	LJ	202	PEB	CAB-CBB-CGB-O2B
31	NJ	203	PEB	CAC-CBC-CGC-O2C
31	PJ	201	PEB	CAC-CBC-CGC-O1C
31	SJ	202	PEB	CAC-CBC-CGC-O2C
31	TJ	203	PEB	CAC-CBC-CGC-O1C
31	XJ	202	PEB	CAC-CBC-CGC-O1C
31	XJ	202	PEB	CAB-CBB-CGB-O1B
31	BK	201	PEB	CAC-CBC-CGC-O1C
31	KK	202	PEB	CAC-CBC-CGC-O2C
31	MK	202	PEB	CAC-CBC-CGC-O1C
31	OK	202	PEB	CAB-CBB-CGB-O1B
31	PK	201	PEB	CAC-CBC-CGC-O2C
31	PK	203	PEB	CAB-CBB-CGB-O1B
31	YK	303	PEB	CAB-CBB-CGB-O1B
31	A1	202	PEB	CAB-CBB-CGB-O1B
31	B1	201	PEB	CAC-CBC-CGC-O1C
31	G1	202	PEB	CAB-CBB-CGB-O2B
31	U1	202	PEB	CAC-CBC-CGC-O1C
31	A2	302	PEB	CAC-CBC-CGC-O2C
31	A2	302	PEB	CAB-CBB-CGB-O1B
31	h2	203	PEB	CAC-CBC-CGC-O1C
31	m2	201	PEB	CAB-CBB-CGB-O1B
31	C4	202	PEB	CAB-CBB-CGB-O1B
31	E4	203	PEB	CAC-CBC-CGC-O1C
31	F4	202	PEB	CAC-CBC-CGC-O1C
31	K4	201	PEB	CAC-CBC-CGC-O2C
31	O4	202	PEB	CAB-CBB-CGB-O1B
31	c4	202	PEB	CAC-CBC-CGC-O1C
31	f4	201	PEB	CAC-CBC-CGC-O1C
31	j4	201	PEB	CAB-CBB-CGB-O1B
31	l4	203	PEB	CAC-CBC-CGC-O1C
31	m4	201	PEB	CAC-CBC-CGC-O2C
31	L5	202	PEB	CAB-CBB-CGB-O2B
31	O5	202	PEB	CAC-CBC-CGC-O1C
31	T5	203	PEB	CAC-CBC-CGC-O1C
31	D5	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	D5	203	PEB	CAC-CBC-CGC-O1C
31	J5	201	PEB	CAC-CBC-CGC-O1C
31	J5	203	PEB	CAC-CBC-CGC-O1C
31	X5	202	PEB	CAC-CBC-CGC-O1C
31	X5	202	PEB	CAB-CBB-CGB-O1B
31	X5	203	PEB	CAC-CBC-CGC-O1C
31	F6	1002	PEB	CAC-CBC-CGC-O1C
31	F6	1002	PEB	CAB-CBB-CGB-O1B
31	A6	304	PEB	CAC-CBC-CGC-O1C
31	V6	202	PEB	CAC-CBC-CGC-O1C
31	Y6	203	PEB	CAC-CBC-CGC-O1C
31	k6	203	PEB	CAC-CBC-CGC-O1C
31	m6	202	PEB	CAC-CBC-CGC-O1C
31	a6	202	PEB	CAC-CBC-CGC-O1C
31	H7	202	PEB	CAB-CBB-CGB-O1B
31	J7	202	PEB	CAB-CBB-CGB-O2B
31	K7	202	PEB	CAC-CBC-CGC-O1C
31	b7	501	PEB	CAB-CBB-CGB-O2B
31	M8	201	PEB	CAC-CBC-CGC-O1C
31	Q8	202	PEB	CAB-CBB-CGB-O1B
31	S8	202	PEB	CAC-CBC-CGC-O1C
31	l8	203	PEB	CAB-CBB-CGB-O1B
31	m8	201	PEB	CAC-CBC-CGC-O2C
31	o8	202	PEB	CAC-CBC-CGC-O1C
31	q8	203	PEB	CAC-CBC-CGC-O2C
31	s8	202	PEB	CAC-CBC-CGC-O2C
31	x8	302	PEB	CAC-CBC-CGC-O2C
31	S9	201	PEB	CAB-CBB-CGB-O1B
31	W9	203	PEB	CAB-CBB-CGB-O2B
31	fA	301	PEB	CAC-CBC-CGC-O1C
31	dA	202	PEB	CAB-CBB-CGB-O2B
31	gA	203	PEB	CAB-CBB-CGB-O1B
31	mB	202	PEB	CAC-CBC-CGC-O1C
31	mB	203	PEB	CAC-CBC-CGC-O1C
31	cB	202	PEB	CAC-CBC-CGC-O1C
31	jC	201	PEB	CAC-CBC-CGC-O1C
31	kC	203	PEB	CAC-CBC-CGC-O1C
31	mC	201	PEB	CAB-CBB-CGB-O1B
31	bD	201	PEB	CAB-CBB-CGB-O1B
31	fD	201	PEB	CAC-CBC-CGC-O1C
31	gD	202	PEB	CAC-CBC-CGC-O1C
31	lD	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	gE	202	PEB	CAC-CBC-CGC-O1C
31	lE	202	PEB	CAB-CBB-CGB-O2B
31	dF	201	PEB	CAC-CBC-CGC-O2C
31	oF	202	PEB	CAC-CBC-CGC-O1C
31	qF	203	PEB	CAC-CBC-CGC-O2C
31	sF	202	PEB	CAC-CBC-CGC-O2C
31	xF	302	PEB	CAC-CBC-CGC-O2C
31	xF	304	PEB	CAB-CBB-CGB-O1B
31	cH	202	PEB	CAC-CBC-CGC-O1C
31	eH	201	PEB	CAC-CBC-CGC-O1C
31	hH	202	PEB	CAC-CBC-CGC-O1C
31	hH	203	PEB	CAC-CBC-CGC-O2C
31	jH	202	PEB	CAC-CBC-CGC-O2C
31	lH	203	PEB	CAC-CBC-CGC-O1C
32	AC	304	PUB	CAC-CBC-CGC-O1C
32	AH	304	PUB	CAB-CBB-CGB-O1B
32	ZI	305	PUB	CAB-CBB-CGB-O1B
32	A2	304	PUB	CAC-CBC-CGC-O1C
32	A6	303	PUB	CAB-CBB-CGB-O2B
33	GB	1001	CYC	CAA-CBA-CGA-O2A
33	IB	1001	CYC	CAA-CBA-CGA-O1A
33	G6	1001	CYC	CAA-CBA-CGA-O2A
33	I6	1001	CYC	CAA-CBA-CGA-O1A
31	UE	203	PEB	C2C-CAC-CBC-CGC
31	OH	202	PEB	C2C-CAC-CBC-CGC
31	P4	201	PEB	C2C-CAC-CBC-CGC
31	a4	203	PEB	C2C-CAC-CBC-CGC
31	AA	501	PEB	CAC-CBC-CGC-O1C
31	BA	202	PEB	CAC-CBC-CGC-O1C
31	GA	203	PEB	CAB-CBB-CGB-O1B
31	XA	201	PEB	CAC-CBC-CGC-O1C
31	ZA	203	PEB	CAB-CBB-CGB-O2B
31	FB	1002	PEB	CAB-CBB-CGB-O1B
31	TB	202	PEB	CAC-CBC-CGC-O1C
31	AD	301	PEB	CAB-CBB-CGB-O2B
31	SD	202	PEB	CAC-CBC-CGC-O1C
31	ZD	201	PEB	CAC-CBC-CGC-O1C
31	OE	202	PEB	CAB-CBB-CGB-O2B
31	QE	203	PEB	CAC-CBC-CGC-O2C
31	SE	202	PEB	CAC-CBC-CGC-O1C
31	EF	201	PEB	CAC-CBC-CGC-O2C
31	EF	202	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	JF	202	PEB	CAB-CBB-CGB-01B
31	ZF	202	PEB	CAB-CBB-CGB-01B
31	ZF	202	PEB	CAB-CBB-CGB-02B
31	DG	201	PEB	CAC-CBC-CGC-01C
31	CH	202	PEB	CAC-CBC-CGC-01C
31	DH	201	PEB	CAC-CBC-CGC-02C
31	EH	202	PEB	CAC-CBC-CGC-02C
31	ZH	202	PEB	CAC-CBC-CGC-02C
31	AI	201	PEB	CAC-CBC-CGC-02C
31	EI	201	PEB	CAC-CBC-CGC-02C
31	MI	301	PEB	CAC-CBC-CGC-01C
31	AJ	301	PEB	CAC-CBC-CGC-01C
31	BJ	203	PEB	CAC-CBC-CGC-01C
31	KJ	202	PEB	CAC-CBC-CGC-01C
31	LJ	203	PEB	CAC-CBC-CGC-01C
31	PJ	202	PEB	CAB-CBB-CGB-01B
31	PJ	203	PEB	CAC-CBC-CGC-01C
31	PJ	203	PEB	CAB-CBB-CGB-01B
31	QJ	202	PEB	CAC-CBC-CGC-01C
31	TJ	201	PEB	CAC-CBC-CGC-01C
31	AK	202	PEB	CAB-CBB-CGB-01B
31	BK	202	PEB	CAB-CBB-CGB-01B
31	BK	203	PEB	CAC-CBC-CGC-01C
31	DK	202	PEB	CAC-CBC-CGC-02C
31	EK	201	PEB	CAC-CBC-CGC-01C
31	OK	201	PEB	CAB-CBB-CGB-01B
31	QK	201	PEB	CAC-CBC-CGC-01C
31	RK	202	PEB	CAC-CBC-CGC-01C
31	WK	202	PEB	CAC-CBC-CGC-01C
31	YK	301	PEB	CAC-CBC-CGC-01C
31	B1	202	PEB	CAB-CBB-CGB-01B
31	B1	203	PEB	CAC-CBC-CGC-01C
31	E1	201	PEB	CAC-CBC-CGC-01C
31	M1	202	PEB	CAC-CBC-CGC-01C
31	O1	201	PEB	CAB-CBB-CGB-01B
31	P1	203	PEB	CAB-CBB-CGB-01B
31	R1	202	PEB	CAC-CBC-CGC-01C
31	Y1	301	PEB	CAC-CBC-CGC-01C
31	O2	201	PEB	CAB-CBB-CGB-02B
31	O2	202	PEB	CAB-CBB-CGB-01B
31	Q2	203	PEB	CAC-CBC-CGC-02C
31	H2	1002	PEB	CAC-CBC-CGC-01C

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Mol	Chain	Res	Type	Atoms
31	J2	1002	PEB	CAC-CBC-CGC-O2C
31	J2	1002	PEB	CAB-CBB-CGB-O1B
31	Z2	203	PEB	CAC-CBC-CGC-O1C
31	h2	201	PEB	CAB-CBB-CGB-O1B
31	j2	201	PEB	CAC-CBC-CGC-O1C
31	l2	203	PEB	CAC-CBC-CGC-O1C
31	b2	202	PEB	CAC-CBC-CGC-O1C
31	c2	202	PEB	CAC-CBC-CGC-O1C
31	d2	202	PEB	CAB-CBB-CGB-O2B
31	G4	201	PEB	CAC-CBC-CGC-O2C
31	G4	202	PEB	CAC-CBC-CGC-O2C
31	J4	202	PEB	CAC-CBC-CGC-O1C
31	L4	202	PEB	CAC-CBC-CGC-O2C
31	N4	202	PEB	CAC-CBC-CGC-O2C
31	O4	203	PEB	CAC-CBC-CGC-O2C
31	Q4	203	PEB	CAC-CBC-CGC-O1C
31	S4	203	PEB	CAC-CBC-CGC-O1C
31	U4	203	PEB	CAB-CBB-CGB-O1B
31	V4	202	PEB	CAC-CBC-CGC-O1C
31	Y4	202	PEB	CAC-CBC-CGC-O2C
31	a4	201	PEB	CAC-CBC-CGC-O1C
31	f4	202	PEB	CAC-CBC-CGC-O1C
31	h4	201	PEB	CAB-CBB-CGB-O2B
31	L5	201	PEB	CAC-CBC-CGC-O2C
31	L5	203	PEB	CAC-CBC-CGC-O1C
31	N5	202	PEB	CAB-CBB-CGB-O2B
31	P5	201	PEB	CAC-CBC-CGC-O1C
31	P5	202	PEB	CAB-CBB-CGB-O1B
31	P5	203	PEB	CAC-CBC-CGC-O1C
31	P5	203	PEB	CAB-CBB-CGB-O1B
31	S5	202	PEB	CAC-CBC-CGC-O2C
31	T5	201	PEB	CAC-CBC-CGC-O1C
31	B5	203	PEB	CAC-CBC-CGC-O1C
31	E5	201	PEB	CAB-CBB-CGB-O1B
31	F5	203	PEB	CAB-CBB-CGB-O2B
31	K5	202	PEB	CAC-CBC-CGC-O1C
31	Y5	201	PEB	CAB-CBB-CGB-O2B
31	P6	203	PEB	CAC-CBC-CGC-O1C
31	T6	202	PEB	CAC-CBC-CGC-O1C
31	i6	202	PEB	CAC-CBC-CGC-O1C
31	c6	202	PEB	CAC-CBC-CGC-O1C
31	c6	203	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	B7	202	PEB	CAB-CBB-CGB-01B
31	D7	202	PEB	CAB-CBB-CGB-01B
31	G7	202	PEB	CAC-CBC-CGC-01C
31	I7	202	PEB	CAB-CBB-CGB-02B
31	I7	203	PEB	CAC-CBC-CGC-01C
31	K7	201	PEB	CAB-CBB-CGB-01B
31	b7	503	PEB	CAC-CBC-CGC-02C
31	M7	201	PEB	CAC-CBC-CGC-01C
31	M7	203	PEB	CAC-CBC-CGC-01C
31	N7	202	PEB	CAB-CBB-CGB-02B
31	O7	201	PEB	CAC-CBC-CGC-01C
31	U7	203	PEB	CAC-CBC-CGC-01C
31	U7	203	PEB	CAB-CBB-CGB-01B
31	Y7	503	PEB	CAC-CBC-CGC-02C
31	Z8	202	PEB	CAB-CBB-CGB-02B
31	E8	201	PEB	CAC-CBC-CGC-02C
31	E8	202	PEB	CAC-CBC-CGC-02C
31	M8	202	PEB	CAB-CBB-CGB-02B
31	b8	202	PEB	CAB-CBB-CGB-01B
31	e8	203	PEB	CAB-CBB-CGB-02B
31	q8	202	PEB	CAC-CBC-CGC-01C
31	w8	301	PEB	CAB-CBB-CGB-01B
31	x8	302	PEB	CAB-CBB-CGB-01B
31	M9	302	PEB	CAC-CBC-CGC-02C
31	M9	302	PEB	CAB-CBB-CGB-01B
31	M9	302	PEB	CAB-CBB-CGB-02B
31	M9	303	PEB	CAB-CBB-CGB-01B
31	O9	203	PEB	CAC-CBC-CGC-01C
31	Z9	302	PEB	CAB-CBB-CGB-02B
31	Z9	303	PEB	CAB-CBB-CGB-01B
31	aA	202	PEB	CAB-CBB-CGB-02B
31	bA	201	PEB	CAB-CBB-CGB-01B
31	hA	301	PEB	CAC-CBC-CGC-01C
31	iB	202	PEB	CAC-CBC-CGC-01C
31	cB	203	PEB	CAC-CBC-CGC-01C
31	gC	203	PEB	CAB-CBB-CGB-01B
31	kC	202	PEB	CAB-CBB-CGB-02B
31	bC	202	PEB	CAC-CBC-CGC-01C
31	cC	202	PEB	CAC-CBC-CGC-01C
31	dC	202	PEB	CAB-CBB-CGB-02B
31	gD	202	PEB	CAB-CBB-CGB-01B
31	hD	203	PEB	CAC-CBC-CGC-02C

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Mol	Chain	Res	Type	Atoms
31	iD	202	PEB	CAB-CBB-CGB-O2B
31	mD	201	PEB	CAC-CBC-CGC-O1C
31	fE	201	PEB	CAB-CBB-CGB-O1B
31	gE	202	PEB	CAB-CBB-CGB-O1B
31	hE	203	PEB	CAC-CBC-CGC-O2C
31	mE	201	PEB	CAC-CBC-CGC-O1C
31	bF	202	PEB	CAB-CBB-CGB-O1B
31	eF	203	PEB	CAB-CBB-CGB-O2B
31	fF	202	PEB	CAB-CBB-CGB-O2B
31	iF	203	PEB	CAC-CBC-CGC-O2C
31	lF	203	PEB	CAB-CBB-CGB-O1B
31	mF	201	PEB	CAC-CBC-CGC-O2C
31	xF	302	PEB	CAB-CBB-CGB-O1B
31	fH	201	PEB	CAC-CBC-CGC-O2C
31	fH	202	PEB	CAC-CBC-CGC-O1C
31	gH	202	PEB	CAC-CBC-CGC-O1C
31	iH	201	PEB	CAC-CBC-CGC-O1C
32	AD	302	PUB	CAB-CBB-CGB-O2B
32	CI	203	PUB	CAB-CBB-CGB-O2B
32	ZI	305	PUB	CAB-CBB-CGB-O2B
32	x8	301	PUB	CAB-CBB-CGB-O1B
32	xF	301	PUB	CAB-CBB-CGB-O1B
33	BD	1002	CYC	CAA-CBA-CGA-O1A
33	BE	1002	CYC	CAA-CBA-CGA-O1A
33	V3	1001	CYC	CAA-CBA-CGA-O1A
33	V3	1001	CYC	CAD-CBD-CGD-O1D
33	W3	1001	CYC	CAD-CBD-CGD-O1D
33	x3	1001	CYC	CAA-CBA-CGA-O1A
33	y3	1001	CYC	CAD-CBD-CGD-O1D
31	CA	201	PEB	CAB-CBB-CGB-O2B
31	EA	501	PEB	CAB-CBB-CGB-O1B
31	FA	201	PEB	CAB-CBB-CGB-O1B
31	LA	201	PEB	CAB-CBB-CGB-O1B
31	MA	202	PEB	CAB-CBB-CGB-O2B
31	NA	203	PEB	CAC-CBC-CGC-O1C
31	QA	204	PEB	CAB-CBB-CGB-O1B
31	UA	304	PEB	CAB-CBB-CGB-O1B
31	ZA	203	PEB	CAC-CBC-CGC-O1C
31	AB	304	PEB	CAC-CBC-CGC-O1C
31	YB	203	PEB	CAB-CBB-CGB-O1B
31	FC	1002	PEB	CAC-CBC-CGC-O1C
31	JC	1002	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	JC	1002	PEB	CAB-CBB-CGB-01B
31	OC	201	PEB	CAB-CBB-CGB-02B
31	YC	202	PEB	CAB-CBB-CGB-02B
31	OD	201	PEB	CAB-CBB-CGB-01B
31	OD	202	PEB	CAC-CBC-CGC-02C
31	OD	202	PEB	CAB-CBB-CGB-01B
31	OD	202	PEB	CAB-CBB-CGB-02B
31	QD	203	PEB	CAC-CBC-CGC-02C
31	UD	203	PEB	CAB-CBB-CGB-01B
31	YD	202	PEB	CAB-CBB-CGB-02B
31	ZD	201	PEB	CAB-CBB-CGB-02B
31	AE	301	PEB	CAB-CBB-CGB-02B
31	OE	201	PEB	CAB-CBB-CGB-01B
31	OE	202	PEB	CAC-CBC-CGC-02C
31	VE	202	PEB	CAC-CBC-CGC-02C
31	WE	201	PEB	CAB-CBB-CGB-02B
31	ZE	201	PEB	CAB-CBB-CGB-02B
31	AF	201	PEB	CAC-CBC-CGC-02C
31	AF	201	PEB	CAB-CBB-CGB-02B
31	EF	201	PEB	CAB-CBB-CGB-02B
31	EF	202	PEB	CAB-CBB-CGB-02B
31	GF	201	PEB	CAC-CBC-CGC-02C
31	MF	202	PEB	CAB-CBB-CGB-02B
31	OF	203	PEB	CAB-CBB-CGB-02B
31	CG	202	PEB	CAB-CBB-CGB-01B
31	EG	202	PEB	CAB-CBB-CGB-01B
31	IG	203	PEB	CAC-CBC-CGC-01C
31	KG	203	PEB	CAB-CBB-CGB-01B
31	PG	202	PEB	CAB-CBB-CGB-01B
31	TG	201	PEB	CAC-CBC-CGC-02C
31	TG	203	PEB	CAB-CBB-CGB-01B
31	VG	203	PEB	CAC-CBC-CGC-01C
31	WG	201	PEB	CAC-CBC-CGC-01C
31	WG	202	PEB	CAC-CBC-CGC-02C
31	AH	301	PEB	CAB-CBB-CGB-01B
31	CH	203	PEB	CAC-CBC-CGC-02C
31	DH	201	PEB	CAB-CBB-CGB-02B
31	GH	202	PEB	CAC-CBC-CGC-01C
31	GH	202	PEB	CAB-CBB-CGB-01B
31	KH	202	PEB	CAC-CBC-CGC-02C
31	KH	202	PEB	CAB-CBB-CGB-01B
31	QH	204	PEB	CAC-CBC-CGC-02C

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Mol	Chain	Res	Type	Atoms
31	RH	202	PEB	CAC-CBC-CGC-O1C
31	SH	202	PEB	CAB-CBB-CGB-O1B
31	YH	201	PEB	CAC-CBC-CGC-O1C
31	YH	203	PEB	CAB-CBB-CGB-O1B
31	CI	201	PEB	CAC-CBC-CGC-O2C
31	FI	201	PEB	CAC-CBC-CGC-O2C
31	GI	201	PEB	CAC-CBC-CGC-O2C
31	II	201	PEB	CAC-CBC-CGC-O2C
31	KI	201	PEB	CAC-CBC-CGC-O2C
31	MI	304	PEB	CAB-CBB-CGB-O2B
31	NI	201	PEB	CAC-CBC-CGC-O2C
31	OI	201	PEB	CAB-CBB-CGB-O2B
31	PI	201	PEB	CAC-CBC-CGC-O2C
31	RI	201	PEB	CAC-CBC-CGC-O2C
31	SI	201	PEB	CAB-CBB-CGB-O2B
31	TI	201	PEB	CAC-CBC-CGC-O2C
31	UI	201	PEB	CAC-CBC-CGC-O1C
31	VI	201	PEB	CAC-CBC-CGC-O2C
31	WI	201	PEB	CAC-CBC-CGC-O2C
31	XI	201	PEB	CAC-CBC-CGC-O2C
31	YI	201	PEB	CAC-CBC-CGC-O2C
31	ZI	303	PEB	CAB-CBB-CGB-O2B
31	AJ	304	PEB	CAB-CBB-CGB-O2B
31	EJ	201	PEB	CAB-CBB-CGB-O1B
31	FJ	202	PEB	CAC-CBC-CGC-O1C
31	FJ	203	PEB	CAB-CBB-CGB-O2B
31	LJ	201	PEB	CAC-CBC-CGC-O2C
31	LJ	202	PEB	CAC-CBC-CGC-O2C
31	NJ	202	PEB	CAB-CBB-CGB-O2B
31	UJ	202	PEB	CAC-CBC-CGC-O1C
31	VJ	201	PEB	CAB-CBB-CGB-O1B
31	DK	202	PEB	CAB-CBB-CGB-O1B
31	EK	201	PEB	CAC-CBC-CGC-O2C
31	FK	203	PEB	CAC-CBC-CGC-O2C
31	HK	201	PEB	CAC-CBC-CGC-O1C
31	IK	201	PEB	CAC-CBC-CGC-O1C
31	QK	202	PEB	CAC-CBC-CGC-O2C
31	SK	201	PEB	CAC-CBC-CGC-O2C
31	WK	202	PEB	CAC-CBC-CGC-O2C
31	YK	303	PEB	CAB-CBB-CGB-O2B
31	D1	202	PEB	CAC-CBC-CGC-O2C
31	D1	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	E1	201	PEB	CAC-CBC-CGC-O2C
31	E1	202	PEB	CAC-CBC-CGC-O1C
31	F1	203	PEB	CAC-CBC-CGC-O2C
31	H1	201	PEB	CAC-CBC-CGC-O1C
31	I1	201	PEB	CAC-CBC-CGC-O1C
31	N1	203	PEB	CAB-CBB-CGB-O2B
31	O1	202	PEB	CAB-CBB-CGB-O1B
31	Q1	202	PEB	CAC-CBC-CGC-O1C
31	Q1	202	PEB	CAC-CBC-CGC-O2C
31	W1	202	PEB	CAC-CBC-CGC-O2C
31	Y1	303	PEB	CAB-CBB-CGB-O2B
31	F2	1002	PEB	CAC-CBC-CGC-O1C
31	Y2	202	PEB	CAB-CBB-CGB-O2B
31	f2	203	PEB	CAC-CBC-CGC-O2C
31	j2	203	PEB	CAC-CBC-CGC-O2C
31	k2	202	PEB	CAB-CBB-CGB-O2B
31	b2	203	PEB	CAC-CBC-CGC-O2C
31	C4	202	PEB	CAC-CBC-CGC-O2C
31	H4	202	PEB	CAC-CBC-CGC-O1C
31	P4	202	PEB	CAC-CBC-CGC-O2C
31	S4	203	PEB	CAC-CBC-CGC-O2C
31	U4	201	PEB	CAC-CBC-CGC-O2C
31	Y4	202	PEB	CAC-CBC-CGC-O1C
31	Z4	202	PEB	CAC-CBC-CGC-O1C
31	d4	203	PEB	CAB-CBB-CGB-O1B
31	h4	202	PEB	CAB-CBB-CGB-O2B
31	N5	203	PEB	CAC-CBC-CGC-O2C
31	Q5	202	PEB	CAC-CBC-CGC-O1C
31	U5	202	PEB	CAC-CBC-CGC-O1C
31	A5	301	PEB	CAC-CBC-CGC-O1C
31	A5	304	PEB	CAB-CBB-CGB-O2B
31	F5	202	PEB	CAC-CBC-CGC-O1C
31	X5	201	PEB	CAC-CBC-CGC-O2C
31	Y6	203	PEB	CAB-CBB-CGB-O1B
31	A7	201	PEB	CAC-CBC-CGC-O1C
31	C7	201	PEB	CAC-CBC-CGC-O1C
31	C7	201	PEB	CAB-CBB-CGB-O2B
31	C7	203	PEB	CAB-CBB-CGB-O2B
31	J7	202	PEB	CAB-CBB-CGB-O1B
31	M7	201	PEB	CAC-CBC-CGC-O2C
31	P7	202	PEB	CAB-CBB-CGB-O2B
31	Q7	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	V7	202	PEB	CAB-CBB-CGB-O1B
31	V7	202	PEB	CAB-CBB-CGB-O2B
31	Z8	202	PEB	CAB-CBB-CGB-O1B
31	A8	201	PEB	CAC-CBC-CGC-O2C
31	A8	201	PEB	CAB-CBB-CGB-O2B
31	C8	203	PEB	CAC-CBC-CGC-O1C
31	E8	201	PEB	CAB-CBB-CGB-O2B
31	E8	202	PEB	CAC-CBC-CGC-O1C
31	E8	202	PEB	CAB-CBB-CGB-O2B
31	G8	201	PEB	CAC-CBC-CGC-O2C
31	J8	202	PEB	CAB-CBB-CGB-O1B
31	O8	203	PEB	CAC-CBC-CGC-O1C
31	O8	203	PEB	CAC-CBC-CGC-O2C
31	O8	203	PEB	CAB-CBB-CGB-O2B
31	f8	202	PEB	CAB-CBB-CGB-O2B
31	k8	201	PEB	CAC-CBC-CGC-O1C
31	s8	202	PEB	CAB-CBB-CGB-O1B
31	u8	201	PEB	CAC-CBC-CGC-O2C
31	u8	202	PEB	CAC-CBC-CGC-O2C
31	v8	201	PEB	CAB-CBB-CGB-O2B
31	w8	301	PEB	CAC-CBC-CGC-O1C
31	w8	301	PEB	CAB-CBB-CGB-O2B
31	w8	303	PEB	CAC-CBC-CGC-O2C
31	x8	304	PEB	CAB-CBB-CGB-O1B
31	J9	201	PEB	CAC-CBC-CGC-O1C
31	L9	201	PEB	CAC-CBC-CGC-O2C
31	O9	203	PEB	CAB-CBB-CGB-O2B
31	S9	203	PEB	CAC-CBC-CGC-O1C
31	U9	201	PEB	CAC-CBC-CGC-O2C
31	Z9	302	PEB	CAC-CBC-CGC-O2C
31	Z9	302	PEB	CAB-CBB-CGB-O1B
31	dA	201	PEB	CAB-CBB-CGB-O2B
31	kB	202	PEB	CAB-CBB-CGB-O1B
31	fC	203	PEB	CAC-CBC-CGC-O2C
31	jC	203	PEB	CAC-CBC-CGC-O2C
31	lC	202	PEB	CAC-CBC-CGC-O1C
31	eC	203	PEB	CAC-CBC-CGC-O2C
31	dD	202	PEB	CAC-CBC-CGC-O1C
31	dD	202	PEB	CAB-CBB-CGB-O1B
31	eD	203	PEB	CAB-CBB-CGB-O1B
31	fD	201	PEB	CAB-CBB-CGB-O1B
31	iE	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	bF	202	PEB	CAB-CBB-CGB-O2B
31	fF	202	PEB	CAC-CBC-CGC-O1C
31	gF	202	PEB	CAC-CBC-CGC-O2C
31	kF	201	PEB	CAC-CBC-CGC-O1C
31	qF	202	PEB	CAC-CBC-CGC-O1C
31	sF	202	PEB	CAB-CBB-CGB-O1B
31	uF	202	PEB	CAC-CBC-CGC-O2C
31	uF	203	PEB	CAC-CBC-CGC-O2C
31	wF	301	PEB	CAB-CBB-CGB-O2B
31	wF	303	PEB	CAC-CBC-CGC-O1C
31	wF	303	PEB	CAC-CBC-CGC-O2C
31	aH	201	PEB	CAC-CBC-CGC-O2C
31	jH	202	PEB	CAC-CBC-CGC-O1C
31	jH	203	PEB	CAC-CBC-CGC-O1C
31	lH	203	PEB	CAB-CBB-CGB-O1B
31	mH	201	PEB	CAB-CBB-CGB-O2B
32	AE	302	PUB	CAB-CBB-CGB-O2B
33	EB	1001	CYC	CAA-CBA-CGA-O2A
33	x3	1001	CYC	CAD-CBD-CGD-O1D
33	E6	1001	CYC	CAA-CBA-CGA-O2A
31	UA	302	PEB	C3B-CAB-CBB-CGB
31	NB	1002	PEB	C3B-CAB-CBB-CGB
31	OC	201	PEB	C3B-CAB-CBB-CGB
31	SC	201	PEB	C3B-CAB-CBB-CGB
31	BF	201	PEB	C3B-CAB-CBB-CGB
31	DF	201	PEB	C3B-CAB-CBB-CGB
31	FI	202	PEB	C3B-CAB-CBB-CGB
31	GJ	201	PEB	C3B-CAB-CBB-CGB
31	CK	201	PEB	C3B-CAB-CBB-CGB
31	WK	201	PEB	C3B-CAB-CBB-CGB
31	C1	201	PEB	C3B-CAB-CBB-CGB
31	W1	201	PEB	C3B-CAB-CBB-CGB
31	O2	201	PEB	C3B-CAB-CBB-CGB
31	S2	201	PEB	C3B-CAB-CBB-CGB
31	K4	201	PEB	C3B-CAB-CBB-CGB
31	R4	202	PEB	C3B-CAB-CBB-CGB
31	W4	203	PEB	C3B-CAB-CBB-CGB
31	G5	201	PEB	C3B-CAB-CBB-CGB
31	N6	1002	PEB	C3B-CAB-CBB-CGB
31	m6	203	PEB	C3B-CAB-CBB-CGB
31	V7	201	PEB	C3B-CAB-CBB-CGB
31	B8	201	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	D8	201	PEB	C3B-CAB-CBB-CGB
31	d8	201	PEB	C3B-CAB-CBB-CGB
31	p8	201	PEB	C3B-CAB-CBB-CGB
31	U9	201	PEB	C3B-CAB-CBB-CGB
31	mB	203	PEB	C3B-CAB-CBB-CGB
31	hD	203	PEB	C3B-CAB-CBB-CGB
31	mD	202	PEB	C3B-CAB-CBB-CGB
31	mE	202	PEB	C3B-CAB-CBB-CGB
31	dF	201	PEB	C3B-CAB-CBB-CGB
31	pF	201	PEB	C3B-CAB-CBB-CGB
31	AA	501	PEB	CAB-CBB-CGB-O1B
31	EA	501	PEB	CAC-CBC-CGC-O1C
31	NA	203	PEB	CAB-CBB-CGB-O2B
31	RA	202	PEB	CAB-CBB-CGB-O2B
31	VA	201	PEB	CAB-CBB-CGB-O1B
31	AB	305	PEB	CAB-CBB-CGB-O1B
31	FB	1002	PEB	CAC-CBC-CGC-O2C
31	RB	202	PEB	CAB-CBB-CGB-O1B
31	TB	202	PEB	CAC-CBC-CGC-O2C
31	TB	203	PEB	CAB-CBB-CGB-O2B
31	ZB	201	PEB	CAC-CBC-CGC-O2C
31	AC	302	PEB	CAC-CBC-CGC-O2C
31	AC	305	PEB	CAB-CBB-CGB-O2B
31	OC	201	PEB	CAB-CBB-CGB-O1B
31	RD	202	PEB	CAB-CBB-CGB-O1B
31	WD	202	PEB	CAB-CBB-CGB-O2B
31	ZD	201	PEB	CAB-CBB-CGB-O1B
31	OE	202	PEB	CAB-CBB-CGB-O1B
31	RE	202	PEB	CAB-CBB-CGB-O1B
31	UE	203	PEB	CAB-CBB-CGB-O1B
31	YE	202	PEB	CAB-CBB-CGB-O1B
31	YE	202	PEB	CAB-CBB-CGB-O2B
31	EF	202	PEB	CAC-CBC-CGC-O1C
31	HF	202	PEB	CAB-CBB-CGB-O2B
31	KF	202	PEB	CAC-CBC-CGC-O2C
31	OF	203	PEB	CAC-CBC-CGC-O1C
31	QF	202	PEB	CAB-CBB-CGB-O2B
31	TF	202	PEB	CAB-CBB-CGB-O1B
31	AG	202	PEB	CAB-CBB-CGB-O1B
31	AG	203	PEB	CAC-CBC-CGC-O1C
31	HG	203	PEB	CAC-CBC-CGC-O1C
31	IG	203	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	JG	201	PEB	CAC-CBC-CGC-O2C
31	NG	202	PEB	CAB-CBB-CGB-O1B
31	RG	202	PEB	CAB-CBB-CGB-O1B
31	SG	201	PEB	CAC-CBC-CGC-O1C
31	VG	202	PEB	CAB-CBB-CGB-O1B
31	XG	202	PEB	CAB-CBB-CGB-O1B
31	AH	302	PEB	CAB-CBB-CGB-O2B
31	EH	202	PEB	CAC-CBC-CGC-O1C
31	EH	203	PEB	CAB-CBB-CGB-O1B
31	FH	202	PEB	CAC-CBC-CGC-O1C
31	GH	201	PEB	CAC-CBC-CGC-O2C
31	RH	202	PEB	CAC-CBC-CGC-O2C
31	SH	202	PEB	CAC-CBC-CGC-O2C
31	UH	203	PEB	CAC-CBC-CGC-O1C
31	WH	203	PEB	CAC-CBC-CGC-O2C
31	CI	202	PEB	CAC-CBC-CGC-O2C
31	HI	201	PEB	CAC-CBC-CGC-O1C
31	KI	202	PEB	CAC-CBC-CGC-O2C
31	LI	201	PEB	CAC-CBC-CGC-O2C
31	NI	202	PEB	CAC-CBC-CGC-O2C
31	QI	201	PEB	CAB-CBB-CGB-O2B
31	QI	203	PEB	CAB-CBB-CGB-O2B
31	SI	201	PEB	CAC-CBC-CGC-O2C
31	TI	202	PEB	CAB-CBB-CGB-O2B
31	HJ	202	PEB	CAC-CBC-CGC-O2C
31	NJ	203	PEB	CAC-CBC-CGC-O1C
31	OJ	201	PEB	CAC-CBC-CGC-O2C
31	QJ	202	PEB	CAB-CBB-CGB-O2B
31	VJ	202	PEB	CAC-CBC-CGC-O1C
31	VJ	202	PEB	CAC-CBC-CGC-O2C
31	VJ	202	PEB	CAB-CBB-CGB-O2B
31	VJ	203	PEB	CAB-CBB-CGB-O1B
31	XJ	201	PEB	CAC-CBC-CGC-O2C
31	DK	202	PEB	CAC-CBC-CGC-O1C
31	DK	203	PEB	CAB-CBB-CGB-O1B
31	DK	203	PEB	CAB-CBB-CGB-O2B
31	EK	202	PEB	CAC-CBC-CGC-O1C
31	NK	203	PEB	CAB-CBB-CGB-O2B
31	QK	202	PEB	CAC-CBC-CGC-O1C
31	UK	202	PEB	CAC-CBC-CGC-O2C
31	D1	202	PEB	CAC-CBC-CGC-O1C
31	D1	203	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	D1	203	PEB	CAB-CBB-CGB-O2B
31	G1	202	PEB	CAB-CBB-CGB-O1B
31	U1	202	PEB	CAC-CBC-CGC-O2C
31	U2	203	PEB	CAC-CBC-CGC-O2C
31	A2	305	PEB	CAB-CBB-CGB-O2B
31	h2	203	PEB	CAB-CBB-CGB-O1B
31	E4	203	PEB	CAC-CBC-CGC-O2C
31	F4	202	PEB	CAB-CBB-CGB-O1B
31	G4	202	PEB	CAC-CBC-CGC-O1C
31	N4	202	PEB	CAC-CBC-CGC-O1C
31	O4	201	PEB	CAC-CBC-CGC-O2C
31	O4	202	PEB	CAC-CBC-CGC-O2C
31	O4	203	PEB	CAC-CBC-CGC-O1C
31	Q4	204	PEB	CAC-CBC-CGC-O2C
31	R4	202	PEB	CAB-CBB-CGB-O1B
31	S4	202	PEB	CAC-CBC-CGC-O2C
31	a4	202	PEB	CAC-CBC-CGC-O1C
31	i4	201	PEB	CAC-CBC-CGC-O2C
31	i4	201	PEB	CAB-CBB-CGB-O2B
31	m4	201	PEB	CAC-CBC-CGC-O1C
31	L5	202	PEB	CAC-CBC-CGC-O2C
31	N5	203	PEB	CAC-CBC-CGC-O1C
31	O5	201	PEB	CAC-CBC-CGC-O2C
31	Q5	202	PEB	CAB-CBB-CGB-O2B
31	H5	202	PEB	CAC-CBC-CGC-O2C
31	V5	202	PEB	CAC-CBC-CGC-O2C
31	V5	202	PEB	CAB-CBB-CGB-O2B
31	V5	203	PEB	CAB-CBB-CGB-O1B
31	Q6	201	PEB	CAC-CBC-CGC-O2C
31	R6	202	PEB	CAB-CBB-CGB-O1B
31	T6	202	PEB	CAC-CBC-CGC-O2C
31	T6	203	PEB	CAB-CBB-CGB-O2B
31	i6	203	PEB	CAC-CBC-CGC-O1C
31	k6	202	PEB	CAB-CBB-CGB-O1B
31	l6	201	PEB	CAC-CBC-CGC-O1C
31	m6	203	PEB	CAC-CBC-CGC-O2C
31	e6	202	PEB	CAC-CBC-CGC-O1C
31	e6	203	PEB	CAC-CBC-CGC-O2C
31	h6	201	PEB	CAB-CBB-CGB-O1B
31	D7	201	PEB	CAB-CBB-CGB-O1B
31	G7	201	PEB	CAB-CBB-CGB-O1B
31	I7	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	I7	202	PEB	CAC-CBC-CGC-O2C
31	R7	202	PEB	CAB-CBB-CGB-O2B
31	S7	202	PEB	CAC-CBC-CGC-O1C
31	U7	201	PEB	CAC-CBC-CGC-O1C
31	V8	202	PEB	CAB-CBB-CGB-O2B
31	E8	201	PEB	CAC-CBC-CGC-O1C
31	G8	202	PEB	CAC-CBC-CGC-O2C
31	K8	202	PEB	CAC-CBC-CGC-O2C
31	T8	202	PEB	CAB-CBB-CGB-O1B
31	b8	202	PEB	CAB-CBB-CGB-O2B
31	g8	202	PEB	CAC-CBC-CGC-O2C
31	i8	202	PEB	CAC-CBC-CGC-O2C
31	i8	203	PEB	CAC-CBC-CGC-O2C
31	o8	203	PEB	CAC-CBC-CGC-O1C
31	p8	202	PEB	CAB-CBB-CGB-O1B
31	s8	202	PEB	CAC-CBC-CGC-O1C
31	B9	202	PEB	CAC-CBC-CGC-O2C
31	B9	203	PEB	CAC-CBC-CGC-O1C
31	B9	203	PEB	CAC-CBC-CGC-O2C
31	H9	201	PEB	CAC-CBC-CGC-O2C
31	S9	203	PEB	CAC-CBC-CGC-O2C
31	W9	201	PEB	CAC-CBC-CGC-O2C
31	dA	201	PEB	CAB-CBB-CGB-O1B
31	gA	201	PEB	CAC-CBC-CGC-O1C
31	gA	201	PEB	CAB-CBB-CGB-O1B
31	gA	202	PEB	CAC-CBC-CGC-O1C
31	gA	202	PEB	CAC-CBC-CGC-O2C
31	mB	202	PEB	CAC-CBC-CGC-O2C
31	mB	203	PEB	CAC-CBC-CGC-O2C
31	eB	202	PEB	CAC-CBC-CGC-O1C
31	gB	203	PEB	CAC-CBC-CGC-O1C
31	hB	201	PEB	CAB-CBB-CGB-O1B
31	hC	202	PEB	CAB-CBB-CGB-O1B
31	kC	201	PEB	CAB-CBB-CGB-O1B
31	eC	203	PEB	CAC-CBC-CGC-O1C
31	aD	202	PEB	CAB-CBB-CGB-O2B
31	fD	201	PEB	CAC-CBC-CGC-O2C
31	kD	201	PEB	CAC-CBC-CGC-O2C
31	lD	202	PEB	CAB-CBB-CGB-O1B
31	aE	202	PEB	CAB-CBB-CGB-O2B
31	dE	202	PEB	CAC-CBC-CGC-O1C
31	dE	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	fE	201	PEB	CAC-CBC-CGC-O2C
31	kE	201	PEB	CAB-CBB-CGB-O1B
31	gF	202	PEB	CAC-CBC-CGC-O1C
31	kF	202	PEB	CAB-CBB-CGB-O1B
31	oF	203	PEB	CAC-CBC-CGC-O1C
31	sF	202	PEB	CAC-CBC-CGC-O1C
31	wF	301	PEB	CAC-CBC-CGC-O1C
31	wF	301	PEB	CAB-CBB-CGB-O1B
31	aH	204	PEB	CAC-CBC-CGC-O2C
32	AB	303	PUB	CAB-CBB-CGB-O2B
32	AH	304	PUB	CAB-CBB-CGB-O2B
32	MI	303	PUB	CAB-CBB-CGB-O1B
33	CB	1001	CYC	CAA-CBA-CGA-O2A
33	GB	1001	CYC	CAA-CBA-CGA-O1A
33	KB	1001	CYC	CAA-CBA-CGA-O1A
33	M2	201	CYC	CAA-CBA-CGA-O1A
33	G6	1001	CYC	CAA-CBA-CGA-O1A
33	EC	1001	CYC	C2B-C3B-CAB-CBB
33	E2	1001	CYC	C2B-C3B-CAB-CBB
31	GA	202	PEB	CAC-CBC-CGC-O1C
31	HA	202	PEB	CAC-CBC-CGC-O1C
31	HA	203	PEB	CAB-CBB-CGB-O1B
31	LA	201	PEB	CAB-CBB-CGB-O2B
31	OA	201	PEB	CAB-CBB-CGB-O1B
31	ZA	201	PEB	CAC-CBC-CGC-O2C
31	ZA	201	PEB	CAB-CBB-CGB-O1B
31	ZA	203	PEB	CAB-CBB-CGB-O1B
31	AB	301	PEB	CAB-CBB-CGB-O2B
31	DB	1002	PEB	CAB-CBB-CGB-O1B
31	QB	201	PEB	CAC-CBC-CGC-O2C
31	NC	1002	PEB	CAC-CBC-CGC-O2C
31	NC	1002	PEB	CAB-CBB-CGB-O1B
31	PC	202	PEB	CAC-CBC-CGC-O2C
31	QC	202	PEB	CAB-CBB-CGB-O1B
31	TC	202	PEB	CAC-CBC-CGC-O2C
31	ZC	201	PEB	CAC-CBC-CGC-O1C
31	AD	301	PEB	CAC-CBC-CGC-O1C
31	OD	201	PEB	CAB-CBB-CGB-O2B
31	OD	202	PEB	CAC-CBC-CGC-O1C
31	QD	203	PEB	CAC-CBC-CGC-O1C
31	VD	202	PEB	CAB-CBB-CGB-O1B
31	AE	301	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	OE	202	PEB	CAC-CBC-CGC-O1C
31	QE	203	PEB	CAC-CBC-CGC-O1C
31	UE	202	PEB	CAC-CBC-CGC-O1C
31	ZE	201	PEB	CAB-CBB-CGB-O1B
31	AF	201	PEB	CAC-CBC-CGC-O1C
31	KF	202	PEB	CAC-CBC-CGC-O1C
31	MF	202	PEB	CAB-CBB-CGB-O1B
31	OF	202	PEB	CAC-CBC-CGC-O1C
31	VF	202	PEB	CAB-CBB-CGB-O2B
31	WF	203	PEB	CAC-CBC-CGC-O1C
31	WF	203	PEB	CAB-CBB-CGB-O2B
31	EG	202	PEB	CAC-CBC-CGC-O1C
31	FG	201	PEB	CAC-CBC-CGC-O1C
31	GG	203	PEB	CAB-CBB-CGB-O1B
31	IG	202	PEB	CAC-CBC-CGC-O1C
31	IG	202	PEB	CAB-CBB-CGB-O1B
31	KG	203	PEB	CAC-CBC-CGC-O1C
31	RG	202	PEB	CAC-CBC-CGC-O1C
31	TG	201	PEB	CAC-CBC-CGC-O1C
31	VG	202	PEB	CAC-CBC-CGC-O1C
31	CH	201	PEB	CAC-CBC-CGC-O1C
31	DH	201	PEB	CAC-CBC-CGC-O1C
31	GH	203	PEB	CAC-CBC-CGC-O1C
31	GH	203	PEB	CAC-CBC-CGC-O2C
31	JH	202	PEB	CAB-CBB-CGB-O2B
31	SH	203	PEB	CAC-CBC-CGC-O2C
31	AI	201	PEB	CAC-CBC-CGC-O1C
31	AI	202	PEB	CAC-CBC-CGC-O2C
31	CI	201	PEB	CAC-CBC-CGC-O1C
31	EI	201	PEB	CAC-CBC-CGC-O1C
31	EI	202	PEB	CAC-CBC-CGC-O2C
31	FI	203	PEB	CAB-CBB-CGB-O1B
31	GI	201	PEB	CAC-CBC-CGC-O1C
31	GI	202	PEB	CAC-CBC-CGC-O2C
31	II	201	PEB	CAC-CBC-CGC-O1C
31	II	202	PEB	CAC-CBC-CGC-O2C
31	JI	202	PEB	CAC-CBC-CGC-O1C
31	KI	201	PEB	CAC-CBC-CGC-O1C
31	LI	201	PEB	CAB-CBB-CGB-O1B
31	MI	304	PEB	CAC-CBC-CGC-O1C
31	NI	201	PEB	CAC-CBC-CGC-O1C
31	OI	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	PI	201	PEB	CAC-CBC-CGC-O1C
31	PI	202	PEB	CAC-CBC-CGC-O2C
31	RI	201	PEB	CAC-CBC-CGC-O1C
31	RI	202	PEB	CAC-CBC-CGC-O2C
31	TI	202	PEB	CAC-CBC-CGC-O2C
31	VI	202	PEB	CAC-CBC-CGC-O2C
31	WI	201	PEB	CAC-CBC-CGC-O1C
31	XI	202	PEB	CAC-CBC-CGC-O2C
31	ZI	303	PEB	CAC-CBC-CGC-O1C
31	AJ	301	PEB	CAB-CBB-CGB-O1B
31	AJ	304	PEB	CAB-CBB-CGB-O1B
31	BJ	203	PEB	CAB-CBB-CGB-O2B
31	FJ	202	PEB	CAC-CBC-CGC-O2C
31	HJ	201	PEB	CAB-CBB-CGB-O1B
31	HJ	202	PEB	CAC-CBC-CGC-O1C
31	KJ	201	PEB	CAC-CBC-CGC-O1C
31	LJ	202	PEB	CAB-CBB-CGB-O1B
31	MJ	202	PEB	CAC-CBC-CGC-O2C
31	OJ	202	PEB	CAB-CBB-CGB-O1B
31	XJ	201	PEB	CAC-CBC-CGC-O1C
31	DK	203	PEB	CAC-CBC-CGC-O1C
31	FK	203	PEB	CAC-CBC-CGC-O1C
31	GK	202	PEB	CAC-CBC-CGC-O1C
31	GK	202	PEB	CAB-CBB-CGB-O1B
31	QK	201	PEB	CAC-CBC-CGC-O2C
31	SK	201	PEB	CAC-CBC-CGC-O1C
31	UK	201	PEB	CAC-CBC-CGC-O1C
31	VK	202	PEB	CAB-CBB-CGB-O1B
31	WK	201	PEB	CAB-CBB-CGB-O1B
31	XK	203	PEB	CAC-CBC-CGC-O1C
31	XK	203	PEB	CAB-CBB-CGB-O2B
31	B1	202	PEB	CAC-CBC-CGC-O1C
31	D1	203	PEB	CAC-CBC-CGC-O1C
31	E1	202	PEB	CAB-CBB-CGB-O1B
31	F1	203	PEB	CAC-CBC-CGC-O1C
31	G1	202	PEB	CAC-CBC-CGC-O1C
31	H1	203	PEB	CAC-CBC-CGC-O1C
31	Q1	201	PEB	CAC-CBC-CGC-O2C
31	V1	202	PEB	CAB-CBB-CGB-O1B
31	N2	1002	PEB	CAC-CBC-CGC-O2C
31	Q2	202	PEB	CAB-CBB-CGB-O1B
31	Z2	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	h2	201	PEB	CAC-CBC-CGC-O1C
31	h2	203	PEB	CAC-CBC-CGC-O2C
31	j2	202	PEB	CAC-CBC-CGC-O1C
31	k2	201	PEB	CAB-CBB-CGB-O1B
31	K4	201	PEB	CAC-CBC-CGC-O1C
31	L4	202	PEB	CAC-CBC-CGC-O1C
31	M4	203	PEB	CAC-CBC-CGC-O1C
31	O4	202	PEB	CAC-CBC-CGC-O1C
31	P4	202	PEB	CAC-CBC-CGC-O1C
31	R4	202	PEB	CAB-CBB-CGB-O2B
31	Y4	203	PEB	CAC-CBC-CGC-O1C
31	a4	203	PEB	CAC-CBC-CGC-O2C
31	a4	204	PEB	CAC-CBC-CGC-O1C
31	d4	201	PEB	CAC-CBC-CGC-O2C
31	f4	202	PEB	CAB-CBB-CGB-O1B
31	h4	201	PEB	CAC-CBC-CGC-O1C
31	k4	202	PEB	CAC-CBC-CGC-O1C
31	l4	201	PEB	CAC-CBC-CGC-O1C
31	L5	202	PEB	CAC-CBC-CGC-O1C
31	A5	304	PEB	CAB-CBB-CGB-O1B
31	B5	201	PEB	CAC-CBC-CGC-O1C
31	F5	202	PEB	CAC-CBC-CGC-O2C
31	H5	201	PEB	CAB-CBB-CGB-O1B
31	H5	202	PEB	CAC-CBC-CGC-O1C
31	K5	201	PEB	CAC-CBC-CGC-O1C
31	V5	202	PEB	CAC-CBC-CGC-O1C
31	X5	201	PEB	CAC-CBC-CGC-O1C
31	A6	301	PEB	CAB-CBB-CGB-O2B
31	A6	305	PEB	CAB-CBB-CGB-O1B
31	R6	203	PEB	CAB-CBB-CGB-O1B
31	Z6	201	PEB	CAC-CBC-CGC-O2C
31	m6	202	PEB	CAC-CBC-CGC-O2C
31	b6	201	PEB	CAB-CBB-CGB-O2B
31	g6	203	PEB	CAC-CBC-CGC-O1C
31	C7	202	PEB	CAC-CBC-CGC-O2C
31	C7	203	PEB	CAB-CBB-CGB-O1B
31	E7	202	PEB	CAB-CBB-CGB-O2B
31	G7	201	PEB	CAC-CBC-CGC-O1C
31	I7	202	PEB	CAB-CBB-CGB-O1B
31	I7	203	PEB	CAB-CBB-CGB-O1B
31	I7	203	PEB	CAB-CBB-CGB-O2B
31	b7	501	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	O7	201	PEB	CAB-CBB-CGB-O2B
31	Q7	203	PEB	CAC-CBC-CGC-O1C
31	Q7	203	PEB	CAB-CBB-CGB-O1B
31	R7	202	PEB	CAB-CBB-CGB-O1B
31	T7	201	PEB	CAB-CBB-CGB-O1B
31	T7	202	PEB	CAB-CBB-CGB-O2B
31	U7	202	PEB	CAB-CBB-CGB-O2B
31	W8	203	PEB	CAB-CBB-CGB-O2B
31	X8	201	PEB	CAC-CBC-CGC-O1C
31	A8	201	PEB	CAC-CBC-CGC-O1C
31	E8	201	PEB	CAB-CBB-CGB-O1B
31	K8	202	PEB	CAC-CBC-CGC-O1C
31	M8	202	PEB	CAC-CBC-CGC-O2C
31	M8	202	PEB	CAB-CBB-CGB-O1B
31	O8	202	PEB	CAC-CBC-CGC-O1C
31	a8	203	PEB	CAB-CBB-CGB-O1B
31	e8	201	PEB	CAB-CBB-CGB-O1B
31	f8	202	PEB	CAC-CBC-CGC-O1C
31	f8	202	PEB	CAB-CBB-CGB-O1B
31	g8	201	PEB	CAC-CBC-CGC-O1C
31	g8	202	PEB	CAB-CBB-CGB-O2B
31	k8	202	PEB	CAB-CBB-CGB-O1B
31	m8	201	PEB	CAC-CBC-CGC-O1C
31	m8	202	PEB	CAC-CBC-CGC-O1C
31	q8	202	PEB	CAC-CBC-CGC-O2C
31	t8	201	PEB	CAC-CBC-CGC-O2C
31	u8	201	PEB	CAC-CBC-CGC-O1C
31	w8	302	PEB	CAB-CBB-CGB-O1B
31	w8	303	PEB	CAC-CBC-CGC-O1C
31	B9	201	PEB	CAC-CBC-CGC-O1C
31	C9	201	PEB	CAB-CBB-CGB-O1B
31	I9	201	PEB	CAB-CBB-CGB-O1B
31	K9	201	PEB	CAB-CBB-CGB-O1B
31	O9	201	PEB	CAB-CBB-CGB-O1B
31	R9	201	PEB	CAB-CBB-CGB-O1B
31	U9	201	PEB	CAC-CBC-CGC-O1C
31	U9	203	PEB	CAC-CBC-CGC-O1C
31	dA	201	PEB	CAC-CBC-CGC-O1C
31	iB	203	PEB	CAC-CBC-CGC-O1C
31	lB	201	PEB	CAC-CBC-CGC-O1C
31	bB	201	PEB	CAB-CBB-CGB-O2B
31	eB	203	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	fB	201	PEB	CAB-CBB-CGB-O1B
31	fC	202	PEB	CAC-CBC-CGC-O1C
31	hC	202	PEB	CAC-CBC-CGC-O2C
31	dD	203	PEB	CAB-CBB-CGB-O1B
31	fD	202	PEB	CAB-CBB-CGB-O2B
31	jD	201	PEB	CAB-CBB-CGB-O2B
31	kD	202	PEB	CAB-CBB-CGB-O1B
31	dE	203	PEB	CAB-CBB-CGB-O1B
31	eE	201	PEB	CAC-CBC-CGC-O1C
31	fE	202	PEB	CAB-CBB-CGB-O2B
31	jE	201	PEB	CAB-CBB-CGB-O2B
31	kE	202	PEB	CAB-CBB-CGB-O1B
31	lE	202	PEB	CAB-CBB-CGB-O1B
31	aF	203	PEB	CAB-CBB-CGB-O1B
31	eF	201	PEB	CAB-CBB-CGB-O1B
31	qF	202	PEB	CAC-CBC-CGC-O2C
31	tF	201	PEB	CAC-CBC-CGC-O2C
31	xF	302	PEB	CAC-CBC-CGC-O1C
31	xF	304	PEB	CAC-CBC-CGC-O2C
31	yF	301	PEB	CAC-CBC-CGC-O1C
31	aH	201	PEB	CAC-CBC-CGC-O1C
31	dH	201	PEB	CAC-CBC-CGC-O1C
31	hH	203	PEB	CAC-CBC-CGC-O1C
32	AH	303	PUB	CAB-CBB-CGB-O2B
32	ZI	302	PUB	CAB-CBB-CGB-O1B
32	A4	304	PUB	CAC-CBC-CGC-O2C
32	M9	305	PUB	CAB-CBB-CGB-O1B
32	Z9	305	PUB	CAB-CBB-CGB-O1B
33	EB	1001	CYC	CAA-CBA-CGA-O1A
33	FB	1001	CYC	CAA-CBA-CGA-O1A
33	JB	1001	CYC	CAA-CBA-CGA-O1A
33	JC	1003	CYC	CAA-CBA-CGA-O1A
33	HD	1001	CYC	CAA-CBA-CGA-O2A
33	HE	1001	CYC	CAA-CBA-CGA-O2A
33	J6	1001	CYC	CAA-CBA-CGA-O2A
33	D6	1001	CYC	CAA-CBA-CGA-O1A
33	E6	1001	CYC	CAA-CBA-CGA-O1A
33	NB	1001	CYC	C4B-C3B-CAB-CBB
33	KD	202	CYC	C4B-C3B-CAB-CBB
31	oF	203	PEB	C4B-C3B-CAB-CBB
31	BA	203	PEB	CAC-CBC-CGC-O1C
31	CA	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	OA	201	PEB	CAB-CBB-CGB-O2B
31	QA	203	PEB	CAB-CBB-CGB-O1B
31	AB	301	PEB	CAC-CBC-CGC-O2C
31	JB	1002	PEB	CAC-CBC-CGC-O1C
31	JB	1002	PEB	CAB-CBB-CGB-O1B
31	RB	202	PEB	CAC-CBC-CGC-O1C
31	RB	203	PEB	CAB-CBB-CGB-O1B
31	RB	203	PEB	CAB-CBB-CGB-O2B
31	SB	201	PEB	CAB-CBB-CGB-O2B
31	DC	1002	PEB	CAC-CBC-CGC-O1C
31	JC	1002	PEB	CAB-CBB-CGB-O2B
31	OC	202	PEB	CAB-CBB-CGB-O2B
31	WC	203	PEB	CAC-CBC-CGC-O1C
31	AD	304	PEB	CAB-CBB-CGB-O1B
31	UD	202	PEB	CAC-CBC-CGC-O1C
31	WD	202	PEB	CAB-CBB-CGB-O1B
31	YD	202	PEB	CAB-CBB-CGB-O1B
31	ZD	203	PEB	CAC-CBC-CGC-O1C
31	NE	201	PEB	CAC-CBC-CGC-O1C
31	OE	201	PEB	CAB-CBB-CGB-O2B
31	VE	202	PEB	CAB-CBB-CGB-O1B
31	WE	201	PEB	CAB-CBB-CGB-O1B
31	AF	201	PEB	CAB-CBB-CGB-O1B
31	EF	201	PEB	CAC-CBC-CGC-O1C
31	GF	201	PEB	CAC-CBC-CGC-O1C
31	GF	202	PEB	CAC-CBC-CGC-O2C
31	MF	202	PEB	CAC-CBC-CGC-O2C
31	OF	203	PEB	CAB-CBB-CGB-O1B
31	TF	201	PEB	CAB-CBB-CGB-O1B
31	AG	202	PEB	CAC-CBC-CGC-O1C
31	GG	201	PEB	CAC-CBC-CGC-O2C
31	JG	202	PEB	CAB-CBB-CGB-O1B
31	OG	203	PEB	CAB-CBB-CGB-O1B
31	TG	203	PEB	CAC-CBC-CGC-O1C
31	UG	201	PEB	CAB-CBB-CGB-O1B
31	XG	202	PEB	CAC-CBC-CGC-O1C
31	CH	203	PEB	CAC-CBC-CGC-O1C
31	EH	203	PEB	CAC-CBC-CGC-O2C
31	KH	201	PEB	CAC-CBC-CGC-O1C
31	MH	203	PEB	CAC-CBC-CGC-O1C
31	NH	202	PEB	CAC-CBC-CGC-O1C
31	NH	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	PH	201	PEB	CAC-CBC-CGC-O1C
31	QH	204	PEB	CAC-CBC-CGC-O1C
31	SH	202	PEB	CAC-CBC-CGC-O1C
31	VH	202	PEB	CAC-CBC-CGC-O1C
31	ZH	202	PEB	CAC-CBC-CGC-O1C
31	AI	202	PEB	CAB-CBB-CGB-O2B
31	CI	202	PEB	CAB-CBB-CGB-O2B
31	DI	203	PEB	CAB-CBB-CGB-O1B
31	EI	202	PEB	CAB-CBB-CGB-O2B
31	GI	202	PEB	CAB-CBB-CGB-O2B
31	HI	201	PEB	CAB-CBB-CGB-O2B
31	II	202	PEB	CAB-CBB-CGB-O2B
31	KI	202	PEB	CAB-CBB-CGB-O2B
31	MI	304	PEB	CAB-CBB-CGB-O1B
31	NI	202	PEB	CAB-CBB-CGB-O2B
31	PI	202	PEB	CAB-CBB-CGB-O2B
31	RI	202	PEB	CAB-CBB-CGB-O2B
31	SI	201	PEB	CAB-CBB-CGB-O1B
31	TI	201	PEB	CAC-CBC-CGC-O1C
31	VI	201	PEB	CAC-CBC-CGC-O1C
31	VI	202	PEB	CAB-CBB-CGB-O2B
31	XI	201	PEB	CAC-CBC-CGC-O1C
31	XI	202	PEB	CAB-CBB-CGB-O2B
31	ZI	303	PEB	CAB-CBB-CGB-O1B
31	DJ	202	PEB	CAC-CBC-CGC-O1C
31	FJ	203	PEB	CAB-CBB-CGB-O1B
31	JJ	201	PEB	CAB-CBB-CGB-O1B
31	LJ	201	PEB	CAC-CBC-CGC-O1C
31	LJ	202	PEB	CAC-CBC-CGC-O1C
31	LJ	203	PEB	CAC-CBC-CGC-O2C
31	RJ	201	PEB	CAC-CBC-CGC-O1C
31	RJ	201	PEB	CAB-CBB-CGB-O1B
31	VJ	203	PEB	CAB-CBB-CGB-O2B
31	BK	202	PEB	CAC-CBC-CGC-O1C
31	EK	202	PEB	CAB-CBB-CGB-O1B
31	HK	203	PEB	CAC-CBC-CGC-O1C
31	LK	203	PEB	CAB-CBB-CGB-O1B
31	VK	201	PEB	CAC-CBC-CGC-O1C
31	WK	201	PEB	CAC-CBC-CGC-O1C
31	M1	202	PEB	CAC-CBC-CGC-O2C
31	S1	201	PEB	CAC-CBC-CGC-O1C
31	U1	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	V1	201	PEB	CAC-CBC-CGC-O1C
31	W1	201	PEB	CAB-CBB-CGB-O1B
31	X1	203	PEB	CAB-CBB-CGB-O2B
31	N2	1002	PEB	CAB-CBB-CGB-O1B
31	O2	201	PEB	CAB-CBB-CGB-O1B
31	O2	202	PEB	CAB-CBB-CGB-O2B
31	P2	202	PEB	CAC-CBC-CGC-O2C
31	S2	202	PEB	CAC-CBC-CGC-O1C
31	T2	202	PEB	CAC-CBC-CGC-O2C
31	D2	1002	PEB	CAC-CBC-CGC-O1C
31	J2	1002	PEB	CAB-CBB-CGB-O2B
31	W2	203	PEB	CAC-CBC-CGC-O1C
31	h2	202	PEB	CAB-CBB-CGB-O1B
31	b2	201	PEB	CAB-CBB-CGB-O1B
31	b2	203	PEB	CAC-CBC-CGC-O1C
31	A4	302	PEB	CAC-CBC-CGC-O1C
31	D4	201	PEB	CAC-CBC-CGC-O1C
31	U4	203	PEB	CAC-CBC-CGC-O1C
31	V4	201	PEB	CAC-CBC-CGC-O1C
31	a4	203	PEB	CAC-CBC-CGC-O1C
31	d4	202	PEB	CAC-CBC-CGC-O2C
31	d4	203	PEB	CAB-CBB-CGB-O2B
31	h4	203	PEB	CAC-CBC-CGC-O2C
31	i4	201	PEB	CAB-CBB-CGB-O1B
31	j4	202	PEB	CAB-CBB-CGB-O1B
31	j4	203	PEB	CAC-CBC-CGC-O1C
31	m4	201	PEB	CAB-CBB-CGB-O1B
31	L5	201	PEB	CAC-CBC-CGC-O1C
31	L5	202	PEB	CAB-CBB-CGB-O1B
31	L5	203	PEB	CAC-CBC-CGC-O2C
31	M5	202	PEB	CAC-CBC-CGC-O2C
31	R5	201	PEB	CAB-CBB-CGB-O1B
31	D5	202	PEB	CAC-CBC-CGC-O1C
31	F5	203	PEB	CAB-CBB-CGB-O1B
31	V5	203	PEB	CAB-CBB-CGB-O2B
31	F6	1002	PEB	CAC-CBC-CGC-O2C
31	J6	1002	PEB	CAC-CBC-CGC-O1C
31	A6	301	PEB	CAC-CBC-CGC-O2C
31	D6	1002	PEB	CAB-CBB-CGB-O1B
31	P6	203	PEB	CAB-CBB-CGB-O1B
31	R6	202	PEB	CAC-CBC-CGC-O1C
31	R6	203	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	S6	202	PEB	CAB-CBB-CGB-O2B
31	c6	201	PEB	CAC-CBC-CGC-O2C
31	E7	203	PEB	CAB-CBB-CGB-O1B
31	b7	503	PEB	CAB-CBB-CGB-O1B
31	M7	203	PEB	CAB-CBB-CGB-O1B
31	P7	201	PEB	CAB-CBB-CGB-O1B
31	P7	202	PEB	CAB-CBB-CGB-O1B
31	S7	203	PEB	CAB-CBB-CGB-O1B
31	W8	203	PEB	CAC-CBC-CGC-O1C
31	G8	201	PEB	CAC-CBC-CGC-O1C
31	O8	203	PEB	CAB-CBB-CGB-O1B
31	Q8	202	PEB	CAB-CBB-CGB-O2B
31	T8	201	PEB	CAB-CBB-CGB-O2B
31	e8	203	PEB	CAB-CBB-CGB-O1B
31	g8	201	PEB	CAC-CBC-CGC-O2C
31	j8	201	PEB	CAC-CBC-CGC-O1C
31	l8	202	PEB	CAB-CBB-CGB-O1B
31	o8	201	PEB	CAB-CBB-CGB-O2B
31	s8	203	PEB	CAC-CBC-CGC-O1C
31	x8	302	PEB	CAC-CBC-CGC-O1C
31	A9	201	PEB	CAB-CBB-CGB-O1B
31	E9	201	PEB	CAB-CBB-CGB-O1B
31	F9	203	PEB	CAC-CBC-CGC-O1C
31	G9	201	PEB	CAB-CBB-CGB-O1B
31	L9	203	PEB	CAC-CBC-CGC-O2C
31	N9	201	PEB	CAB-CBB-CGB-O1B
31	O9	201	PEB	CAB-CBB-CGB-O2B
31	P9	201	PEB	CAB-CBB-CGB-O1B
31	T9	201	PEB	CAB-CBB-CGB-O1B
31	U9	202	PEB	CAC-CBC-CGC-O1C
31	V9	201	PEB	CAB-CBB-CGB-O1B
31	W9	201	PEB	CAC-CBC-CGC-O1C
31	X9	201	PEB	CAB-CBB-CGB-O1B
31	Y9	201	PEB	CAC-CBC-CGC-O1C
31	aA	202	PEB	CAB-CBB-CGB-O1B
31	cB	201	PEB	CAC-CBC-CGC-O2C
31	gC	203	PEB	CAC-CBC-CGC-O1C
31	hC	201	PEB	CAB-CBB-CGB-O1B
31	jC	202	PEB	CAC-CBC-CGC-O1C
31	lC	201	PEB	CAB-CBB-CGB-O1B
31	bC	201	PEB	CAB-CBB-CGB-O1B
31	eD	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	fD	203	PEB	CAC-CBC-CGC-O2C
31	hD	203	PEB	CAC-CBC-CGC-O1C
31	jD	202	PEB	CAB-CBB-CGB-O2B
31	fE	203	PEB	CAC-CBC-CGC-O2C
31	hE	203	PEB	CAC-CBC-CGC-O1C
31	fF	202	PEB	CAB-CBB-CGB-O1B
31	gF	201	PEB	CAC-CBC-CGC-O1C
31	gF	201	PEB	CAC-CBC-CGC-O2C
31	gF	202	PEB	CAB-CBB-CGB-O2B
31	iF	202	PEB	CAC-CBC-CGC-O2C
31	jF	201	PEB	CAC-CBC-CGC-O1C
31	kF	203	PEB	CAC-CBC-CGC-O2C
31	mF	201	PEB	CAC-CBC-CGC-O1C
31	oF	201	PEB	CAB-CBB-CGB-O2B
31	rF	202	PEB	CAB-CBB-CGB-O1B
31	sF	203	PEB	CAC-CBC-CGC-O1C
31	uF	202	PEB	CAC-CBC-CGC-O1C
31	vF	201	PEB	CAB-CBB-CGB-O2B
31	aH	203	PEB	CAC-CBC-CGC-O1C
32	AD	302	PUB	CAB-CBB-CGB-O1B
32	AE	302	PUB	CAB-CBB-CGB-O1B
32	B4	302	PUB	CAC-CBC-CGC-O1C
32	y8	303	PUB	CAB-CBB-CGB-O2B
32	M9	304	PUB	CAB-CBB-CGB-O2B
32	Z9	304	PUB	CAB-CBB-CGB-O2B
32	yF	303	PUB	CAB-CBB-CGB-O2B
33	JB	1001	CYC	CAA-CBA-CGA-O2A
33	DC	1001	CYC	CAA-CBA-CGA-O2A
33	D2	1001	CYC	CAA-CBA-CGA-O2A
33	73	1002	CYC	CAD-CBD-CGD-O2D
33	F6	1001	CYC	CAA-CBA-CGA-O1A
33	J6	1001	CYC	CAA-CBA-CGA-O1A
33	K6	1001	CYC	CAA-CBA-CGA-O1A
33	C6	1001	CYC	CAA-CBA-CGA-O2A
31	RD	201	PEB	C2B-C3B-CAB-CBB
31	RE	201	PEB	C2B-C3B-CAB-CBB
31	DA	202	PEB	CAB-CBB-CGB-O1B
31	PA	201	PEB	CAB-CBB-CGB-O1B
31	XA	201	PEB	CAB-CBB-CGB-O2B
31	RB	203	PEB	CAC-CBC-CGC-O1C
31	JC	1002	PEB	CAC-CBC-CGC-O1C
31	OC	202	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	PC	202	PEB	CAB-CBB-CGB-01B
31	QC	201	PEB	CAB-CBB-CGB-02B
31	ZC	203	PEB	CAB-CBB-CGB-01B
31	ND	201	PEB	CAC-CBC-CGC-01C
31	UD	203	PEB	CAC-CBC-CGC-02C
31	VD	202	PEB	CAC-CBC-CGC-02C
31	WD	201	PEB	CAC-CBC-CGC-01C
31	AE	304	PEB	CAB-CBB-CGB-01B
31	RE	202	PEB	CAB-CBB-CGB-02B
31	UE	203	PEB	CAC-CBC-CGC-02C
31	WE	202	PEB	CAC-CBC-CGC-01C
31	DF	201	PEB	CAB-CBB-CGB-02B
31	EF	201	PEB	CAB-CBB-CGB-01B
31	LF	201	PEB	CAC-CBC-CGC-02C
31	PF	202	PEB	CAB-CBB-CGB-01B
31	SF	203	PEB	CAB-CBB-CGB-02B
31	TF	202	PEB	CAC-CBC-CGC-01C
31	UF	202	PEB	CAB-CBB-CGB-01B
31	YF	203	PEB	CAC-CBC-CGC-02C
31	BG	202	PEB	CAC-CBC-CGC-01C
31	CG	202	PEB	CAC-CBC-CGC-01C
31	GG	203	PEB	CAC-CBC-CGC-01C
31	LG	202	PEB	CAB-CBB-CGB-01B
31	NG	202	PEB	CAC-CBC-CGC-01C
31	OG	202	PEB	CAC-CBC-CGC-01C
31	PG	202	PEB	CAC-CBC-CGC-01C
31	RG	203	PEB	CAC-CBC-CGC-02C
31	ZG	401	PEB	CAC-CBC-CGC-01C
31	AH	302	PEB	CAB-CBB-CGB-01B
31	DH	201	PEB	CAB-CBB-CGB-01B
31	IH	201	PEB	CAC-CBC-CGC-01C
31	JH	202	PEB	CAB-CBB-CGB-01B
31	MH	203	PEB	CAC-CBC-CGC-02C
31	MH	203	PEB	CAB-CBB-CGB-01B
31	OH	203	PEB	CAC-CBC-CGC-01C
31	QH	201	PEB	CAC-CBC-CGC-02C
31	QH	203	PEB	CAC-CBC-CGC-02C
31	SH	201	PEB	CAC-CBC-CGC-02C
31	TH	202	PEB	CAB-CBB-CGB-01B
31	WH	202	PEB	CAB-CBB-CGB-01B
31	ZH	202	PEB	CAB-CBB-CGB-01B
31	BI	201	PEB	CAB-CBB-CGB-01B

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Mol	Chain	Res	Type	Atoms
31	DI	201	PEB	CAB-CBB-CGB-O2B
31	HI	203	PEB	CAB-CBB-CGB-O1B
31	LI	201	PEB	CAB-CBB-CGB-O2B
31	MI	302	PEB	CAC-CBC-CGC-O2C
31	OI	202	PEB	CAC-CBC-CGC-O1C
31	OI	202	PEB	CAC-CBC-CGC-O2C
31	QI	201	PEB	CAB-CBB-CGB-O1B
31	UI	203	PEB	CAB-CBB-CGB-O1B
31	UI	204	PEB	CAC-CBC-CGC-O2C
31	YI	201	PEB	CAC-CBC-CGC-O1C
31	ZI	301	PEB	CAC-CBC-CGC-O2C
31	AJ	304	PEB	CAC-CBC-CGC-O1C
31	FJ	201	PEB	CAB-CBB-CGB-O1B
31	JJ	201	PEB	CAB-CBB-CGB-O2B
31	NJ	203	PEB	CAB-CBB-CGB-O1B
31	UJ	202	PEB	CAB-CBB-CGB-O1B
31	VJ	203	PEB	CAC-CBC-CGC-O1C
31	AK	202	PEB	CAC-CBC-CGC-O1C
31	BK	202	PEB	CAC-CBC-CGC-O2C
31	BK	203	PEB	CAB-CBB-CGB-O2B
31	MK	202	PEB	CAC-CBC-CGC-O2C
31	NK	203	PEB	CAC-CBC-CGC-O1C
31	RK	203	PEB	CAB-CBB-CGB-O2B
31	XK	203	PEB	CAB-CBB-CGB-O1B
31	YK	301	PEB	CAB-CBB-CGB-O1B
31	YK	301	PEB	CAB-CBB-CGB-O2B
31	YK	302	PEB	CAB-CBB-CGB-O1B
31	A1	202	PEB	CAC-CBC-CGC-O1C
31	B1	202	PEB	CAC-CBC-CGC-O2C
31	B1	203	PEB	CAB-CBB-CGB-O2B
31	N1	203	PEB	CAC-CBC-CGC-O1C
31	R1	201	PEB	CAB-CBB-CGB-O1B
31	R1	203	PEB	CAB-CBB-CGB-O2B
31	W1	201	PEB	CAC-CBC-CGC-O1C
31	X1	203	PEB	CAC-CBC-CGC-O1C
31	X1	203	PEB	CAB-CBB-CGB-O1B
31	Y1	302	PEB	CAB-CBB-CGB-O1B
31	N2	1002	PEB	CAC-CBC-CGC-O1C
31	O2	202	PEB	CAC-CBC-CGC-O2C
31	Q2	201	PEB	CAB-CBB-CGB-O2B
31	T2	202	PEB	CAC-CBC-CGC-O1C
31	U2	202	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	U2	203	PEB	CAB-CBB-CGB-O2B
31	J2	1002	PEB	CAC-CBC-CGC-O1C
31	W2	203	PEB	CAC-CBC-CGC-O2C
31	f2	202	PEB	CAC-CBC-CGC-O1C
31	j2	203	PEB	CAC-CBC-CGC-O1C
31	l2	202	PEB	CAB-CBB-CGB-O1B
31	l2	203	PEB	CAB-CBB-CGB-O1B
31	a2	201	PEB	CAB-CBB-CGB-O1B
31	a2	202	PEB	CAB-CBB-CGB-O1B
31	d2	203	PEB	CAB-CBB-CGB-O1B
31	A4	301	PEB	CAB-CBB-CGB-O1B
31	G4	203	PEB	CAC-CBC-CGC-O1C
31	Q4	201	PEB	CAC-CBC-CGC-O1C
31	W4	203	PEB	CAC-CBC-CGC-O1C
31	l4	202	PEB	CAC-CBC-CGC-O2C
31	m4	201	PEB	CAB-CBB-CGB-O2B
31	R5	201	PEB	CAC-CBC-CGC-O1C
31	A5	301	PEB	CAB-CBB-CGB-O1B
31	B5	203	PEB	CAB-CBB-CGB-O2B
31	V5	201	PEB	CAC-CBC-CGC-O1C
31	V5	203	PEB	CAC-CBC-CGC-O1C
31	j6	201	PEB	CAB-CBB-CGB-O1B
31	l6	202	PEB	CAB-CBB-CGB-O2B
31	m6	201	PEB	CAC-CBC-CGC-O2C
31	f6	201	PEB	CAC-CBC-CGC-O1C
31	f6	201	PEB	CAB-CBB-CGB-O1B
31	h6	202	PEB	CAC-CBC-CGC-O2C
31	A7	202	PEB	CAB-CBB-CGB-O1B
31	C7	201	PEB	CAB-CBB-CGB-O1B
31	F7	201	PEB	CAB-CBB-CGB-O1B
31	G7	203	PEB	CAB-CBB-CGB-O1B
31	I7	201	PEB	CAC-CBC-CGC-O2C
31	L7	202	PEB	CAB-CBB-CGB-O1B
31	L7	202	PEB	CAB-CBB-CGB-O2B
31	M7	202	PEB	CAB-CBB-CGB-O1B
31	O7	202	PEB	CAC-CBC-CGC-O1C
31	R7	201	PEB	CAB-CBB-CGB-O1B
31	S7	201	PEB	CAC-CBC-CGC-O1C
31	X7	202	PEB	CAB-CBB-CGB-O2B
31	Y7	503	PEB	CAC-CBC-CGC-O1C
31	A8	201	PEB	CAB-CBB-CGB-O1B
31	B8	201	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	C8	202	PEB	CAC-CBC-CGC-O1C
31	C8	203	PEB	CAC-CBC-CGC-O2C
31	D8	201	PEB	CAB-CBB-CGB-O2B
31	H8	202	PEB	CAB-CBB-CGB-O2B
31	P8	202	PEB	CAB-CBB-CGB-O1B
31	T8	201	PEB	CAB-CBB-CGB-O1B
31	T8	202	PEB	CAC-CBC-CGC-O1C
31	c8	201	PEB	CAB-CBB-CGB-O1B
31	e8	202	PEB	CAC-CBC-CGC-O1C
31	g8	202	PEB	CAC-CBC-CGC-O1C
31	k8	203	PEB	CAC-CBC-CGC-O2C
31	q8	201	PEB	CAB-CBB-CGB-O2B
31	r8	202	PEB	CAB-CBB-CGB-O1B
31	t8	202	PEB	CAC-CBC-CGC-O1C
31	x8	304	PEB	CAC-CBC-CGC-O2C
31	y8	301	PEB	CAC-CBC-CGC-O1C
31	z8	501	PEB	CAC-CBC-CGC-O1C
31	D9	203	PEB	CAC-CBC-CGC-O1C
31	D9	203	PEB	CAB-CBB-CGB-O2B
31	M9	301	PEB	CAB-CBB-CGB-O1B
31	U9	202	PEB	CAC-CBC-CGC-O2C
31	W9	203	PEB	CAC-CBC-CGC-O1C
31	cA	402	PEB	CAB-CBB-CGB-O1B
31	hA	301	PEB	CAB-CBB-CGB-O2B
31	jB	201	PEB	CAB-CBB-CGB-O1B
31	mB	201	PEB	CAC-CBC-CGC-O2C
31	eB	203	PEB	CAB-CBB-CGB-O2B
31	fB	201	PEB	CAC-CBC-CGC-O1C
31	gC	203	PEB	CAC-CBC-CGC-O2C
31	hC	202	PEB	CAB-CBB-CGB-O2B
31	jC	203	PEB	CAC-CBC-CGC-O1C
31	lC	202	PEB	CAB-CBB-CGB-O1B
31	aC	201	PEB	CAB-CBB-CGB-O1B
31	aC	202	PEB	CAB-CBB-CGB-O1B
31	cD	202	PEB	CAB-CBB-CGB-O2B
31	lD	203	PEB	CAB-CBB-CGB-O1B
31	mD	203	PEB	CAB-CBB-CGB-O1B
31	cE	202	PEB	CAB-CBB-CGB-O2B
31	jE	202	PEB	CAB-CBB-CGB-O2B
31	mE	203	PEB	CAB-CBB-CGB-O1B
31	aF	202	PEB	CAB-CBB-CGB-O1B
31	cF	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	eF	202	PEB	CAC-CBC-CGC-O1C
31	eF	203	PEB	CAB-CBB-CGB-O1B
31	mF	202	PEB	CAC-CBC-CGC-O1C
31	qF	201	PEB	CAB-CBB-CGB-O2B
31	tF	202	PEB	CAC-CBC-CGC-O1C
31	zF	501	PEB	CAC-CBC-CGC-O1C
31	hH	201	PEB	CAC-CBC-CGC-O2C
32	M9	305	PUB	CAB-CBB-CGB-O2B
33	DB	1001	CYC	CAA-CBA-CGA-O1A
33	y3	1001	CYC	CAD-CBD-CGD-O2D
33	I6	1001	CYC	CAA-CBA-CGA-O2A
31	DA	203	PEB	CAB-CBB-CGB-O2B
31	EA	501	PEB	CAB-CBB-CGB-O2B
31	GA	202	PEB	CAB-CBB-CGB-O1B
31	JA	202	PEB	CAB-CBB-CGB-O2B
31	KA	304	PEB	CAB-CBB-CGB-O2B
31	TA	202	PEB	CAB-CBB-CGB-O2B
31	UA	304	PEB	CAC-CBC-CGC-O2C
31	WA	401	PEB	CAB-CBB-CGB-O1B
31	XA	201	PEB	CAB-CBB-CGB-O1B
31	ZA	202	PEB	CAB-CBB-CGB-O2B
31	AB	304	PEB	CAB-CBB-CGB-O2B
31	JB	1002	PEB	CAC-CBC-CGC-O2C
31	PB	202	PEB	CAC-CBC-CGC-O2C
31	AC	305	PEB	CAC-CBC-CGC-O1C
31	FC	1002	PEB	CAB-CBB-CGB-O1B
31	NC	1002	PEB	CAC-CBC-CGC-O1C
31	NC	1002	PEB	CAB-CBB-CGB-O2B
31	OC	203	PEB	CAC-CBC-CGC-O2C
31	SC	201	PEB	CAC-CBC-CGC-O2C
31	SC	202	PEB	CAC-CBC-CGC-O1C
31	TC	202	PEB	CAC-CBC-CGC-O1C
31	UC	203	PEB	CAB-CBB-CGB-O2B
31	WC	203	PEB	CAC-CBC-CGC-O2C
31	PD	201	PEB	CAB-CBB-CGB-O2B
31	RD	202	PEB	CAB-CBB-CGB-O2B
31	VD	202	PEB	CAC-CBC-CGC-O1C
31	WD	203	PEB	CAC-CBC-CGC-O2C
31	PE	201	PEB	CAB-CBB-CGB-O2B
31	VE	202	PEB	CAC-CBC-CGC-O1C
31	ZE	203	PEB	CAC-CBC-CGC-O1C
31	BF	201	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	CF	203	PEB	CAC-CBC-CGC-O2C
31	MF	201	PEB	CAC-CBC-CGC-O2C
31	TF	201	PEB	CAB-CBB-CGB-O2B
31	WF	203	PEB	CAC-CBC-CGC-O2C
31	XF	201	PEB	CAC-CBC-CGC-O1C
31	FG	202	PEB	CAB-CBB-CGB-O1B
31	HG	201	PEB	CAC-CBC-CGC-O2C
31	HG	201	PEB	CAB-CBB-CGB-O1B
31	JG	202	PEB	CAB-CBB-CGB-O2B
31	KG	201	PEB	CAC-CBC-CGC-O1C
31	KG	201	PEB	CAC-CBC-CGC-O2C
31	NG	203	PEB	CAC-CBC-CGC-O1C
31	NG	203	PEB	CAC-CBC-CGC-O2C
31	SG	202	PEB	CAB-CBB-CGB-O1B
31	HH	202	PEB	CAC-CBC-CGC-O2C
31	HH	202	PEB	CAB-CBB-CGB-O1B
31	NH	202	PEB	CAB-CBB-CGB-O2B
31	OH	201	PEB	CAC-CBC-CGC-O2C
31	PH	201	PEB	CAC-CBC-CGC-O2C
31	BI	201	PEB	CAB-CBB-CGB-O2B
31	DI	201	PEB	CAC-CBC-CGC-O1C
31	JI	201	PEB	CAC-CBC-CGC-O2C
31	MI	301	PEB	CAB-CBB-CGB-O1B
31	OI	203	PEB	CAB-CBB-CGB-O1B
31	QI	203	PEB	CAB-CBB-CGB-O1B
31	AJ	301	PEB	CAB-CBB-CGB-O2B
31	BJ	201	PEB	CAC-CBC-CGC-O1C
31	BJ	201	PEB	CAC-CBC-CGC-O2C
31	GJ	202	PEB	CAC-CBC-CGC-O2C
31	HJ	201	PEB	CAB-CBB-CGB-O2B
31	PJ	201	PEB	CAC-CBC-CGC-O2C
31	PJ	203	PEB	CAC-CBC-CGC-O2C
31	QJ	202	PEB	CAC-CBC-CGC-O2C
31	TJ	201	PEB	CAB-CBB-CGB-O2B
31	TJ	203	PEB	CAC-CBC-CGC-O2C
31	VJ	201	PEB	CAC-CBC-CGC-O1C
31	VJ	201	PEB	CAC-CBC-CGC-O2C
31	IK	202	PEB	CAC-CBC-CGC-O2C
31	RK	201	PEB	CAB-CBB-CGB-O1B
31	D1	202	PEB	CAB-CBB-CGB-O2B
31	I1	202	PEB	CAC-CBC-CGC-O2C
31	L1	203	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	Y1	301	PEB	CAB-CBB-CGB-O1B
31	Y1	301	PEB	CAB-CBB-CGB-O2B
31	N2	1002	PEB	CAB-CBB-CGB-O2B
31	O2	203	PEB	CAC-CBC-CGC-O2C
31	R2	202	PEB	CAB-CBB-CGB-O1B
31	A2	305	PEB	CAC-CBC-CGC-O1C
31	Z2	203	PEB	CAB-CBB-CGB-O1B
31	h2	201	PEB	CAC-CBC-CGC-O2C
31	j2	202	PEB	CAC-CBC-CGC-O2C
31	l2	203	PEB	CAB-CBB-CGB-O2B
31	a2	202	PEB	CAB-CBB-CGB-O2B
31	b2	201	PEB	CAB-CBB-CGB-O2B
31	b2	202	PEB	CAB-CBB-CGB-O1B
31	D4	201	PEB	CAB-CBB-CGB-O1B
31	D4	202	PEB	CAC-CBC-CGC-O2C
31	G4	202	PEB	CAB-CBB-CGB-O1B
31	G4	203	PEB	CAC-CBC-CGC-O2C
31	I4	202	PEB	CAC-CBC-CGC-O2C
31	I4	203	PEB	CAC-CBC-CGC-O2C
31	K4	202	PEB	CAB-CBB-CGB-O1B
31	M4	203	PEB	CAC-CBC-CGC-O2C
31	O4	202	PEB	CAB-CBB-CGB-O2B
31	d4	203	PEB	CAC-CBC-CGC-O1C
31	f4	203	PEB	CAC-CBC-CGC-O1C
31	j4	201	PEB	CAB-CBB-CGB-O2B
31	j4	202	PEB	CAB-CBB-CGB-O2B
31	k4	202	PEB	CAB-CBB-CGB-O1B
31	l4	201	PEB	CAC-CBC-CGC-O2C
31	P5	201	PEB	CAC-CBC-CGC-O2C
31	P5	203	PEB	CAC-CBC-CGC-O2C
31	T5	201	PEB	CAB-CBB-CGB-O2B
31	U5	202	PEB	CAB-CBB-CGB-O1B
31	A5	301	PEB	CAB-CBB-CGB-O2B
31	B5	201	PEB	CAC-CBC-CGC-O2C
31	F5	201	PEB	CAB-CBB-CGB-O2B
31	G5	202	PEB	CAC-CBC-CGC-O2C
31	J5	201	PEB	CAC-CBC-CGC-O2C
31	J5	201	PEB	CAB-CBB-CGB-O1B
31	J5	201	PEB	CAB-CBB-CGB-O2B
31	V5	201	PEB	CAC-CBC-CGC-O2C
31	J6	1002	PEB	CAB-CBB-CGB-O1B
31	A6	301	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	A6	304	PEB	CAC-CBC-CGC-O2C
31	P6	202	PEB	CAC-CBC-CGC-O2C
31	P6	203	PEB	CAB-CBB-CGB-O2B
31	Q6	201	PEB	CAC-CBC-CGC-O1C
31	k6	202	PEB	CAB-CBB-CGB-O2B
31	d6	201	PEB	CAB-CBB-CGB-O1B
31	e6	203	PEB	CAB-CBB-CGB-O2B
31	A7	203	PEB	CAB-CBB-CGB-O2B
31	E7	201	PEB	CAC-CBC-CGC-O2C
31	M7	202	PEB	CAB-CBB-CGB-O2B
31	M7	203	PEB	CAC-CBC-CGC-O2C
31	O7	201	PEB	CAC-CBC-CGC-O2C
31	Q7	203	PEB	CAB-CBB-CGB-O2B
31	X7	202	PEB	CAB-CBB-CGB-O1B
31	Y7	504	PEB	CAB-CBB-CGB-O1B
31	W8	203	PEB	CAC-CBC-CGC-O2C
31	Y8	203	PEB	CAC-CBC-CGC-O2C
31	F8	202	PEB	CAC-CBC-CGC-O1C
31	L8	201	PEB	CAC-CBC-CGC-O2C
31	M8	201	PEB	CAC-CBC-CGC-O2C
31	a8	202	PEB	CAB-CBB-CGB-O1B
31	i8	203	PEB	CAC-CBC-CGC-O1C
31	s8	201	PEB	CAB-CBB-CGB-O1B
31	D9	201	PEB	CAC-CBC-CGC-O1C
31	F9	203	PEB	CAB-CBB-CGB-O2B
31	H9	202	PEB	CAC-CBC-CGC-O1C
31	J9	201	PEB	CAC-CBC-CGC-O2C
31	L9	203	PEB	CAC-CBC-CGC-O1C
31	S9	201	PEB	CAB-CBB-CGB-O2B
31	U9	203	PEB	CAC-CBC-CGC-O2C
31	Z9	301	PEB	CAB-CBB-CGB-O1B
31	gA	203	PEB	CAC-CBC-CGC-O1C
31	lB	202	PEB	CAB-CBB-CGB-O2B
31	dB	201	PEB	CAB-CBB-CGB-O1B
31	hB	202	PEB	CAC-CBC-CGC-O2C
31	fC	201	PEB	CAC-CBC-CGC-O2C
31	jC	202	PEB	CAC-CBC-CGC-O2C
31	lC	202	PEB	CAB-CBB-CGB-O2B
31	aC	202	PEB	CAB-CBB-CGB-O2B
31	bC	201	PEB	CAB-CBB-CGB-O2B
31	bC	202	PEB	CAB-CBB-CGB-O1B
31	dC	203	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	dC	203	PEB	CAB-CBB-CGB-01B
31	cD	202	PEB	CAC-CBC-CGC-01C
31	cD	202	PEB	CAC-CBC-CGC-02C
31	eD	203	PEB	CAC-CBC-CGC-02C
31	fD	201	PEB	CAB-CBB-CGB-02B
31	fD	202	PEB	CAC-CBC-CGC-02C
31	hD	202	PEB	CAC-CBC-CGC-02C
31	iD	201	PEB	CAC-CBC-CGC-01C
31	lD	202	PEB	CAC-CBC-CGC-02C
31	fE	201	PEB	CAB-CBB-CGB-02B
31	fE	202	PEB	CAC-CBC-CGC-02C
31	hE	202	PEB	CAC-CBC-CGC-02C
31	iE	201	PEB	CAC-CBC-CGC-01C
31	lE	202	PEB	CAC-CBC-CGC-02C
31	lE	203	PEB	CAB-CBB-CGB-01B
31	dF	202	PEB	CAB-CBB-CGB-02B
31	iF	203	PEB	CAC-CBC-CGC-01C
31	lF	202	PEB	CAB-CBB-CGB-01B
31	pF	202	PEB	CAB-CBB-CGB-01B
31	sF	201	PEB	CAB-CBB-CGB-01B
31	tF	202	PEB	CAB-CBB-CGB-02B
31	aH	203	PEB	CAC-CBC-CGC-02C
31	fH	203	PEB	CAB-CBB-CGB-02B
31	gH	202	PEB	CAC-CBC-CGC-02C
31	gH	202	PEB	CAB-CBB-CGB-01B
31	jH	201	PEB	CAC-CBC-CGC-02C
31	lH	203	PEB	CAC-CBC-CGC-02C
31	mH	201	PEB	CAC-CBC-CGC-02C
31	mH	201	PEB	CAB-CBB-CGB-01B
32	CI	203	PUB	CAC-CBC-CGC-02C
32	ZI	305	PUB	CAC-CBC-CGC-02C
32	B4	302	PUB	CAB-CBB-CGB-02B
32	w8	304	PUB	CAB-CBB-CGB-01B
32	M9	304	PUB	CAC-CBC-CGC-01C
32	Z9	304	PUB	CAC-CBC-CGC-01C
32	Z9	305	PUB	CAB-CBB-CGB-02B
32	wF	304	PUB	CAB-CBB-CGB-01B
33	DB	1001	CYC	CAA-CBA-CGA-02A
33	IB	1001	CYC	CAA-CBA-CGA-02A
33	DD	1001	CYC	CAA-CBA-CGA-02A
33	DE	1001	CYC	CAA-CBA-CGA-02A
33	HE	1001	CYC	CAA-CBA-CGA-01A

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Mol	Chain	Res	Type	Atoms
33	V3	1001	CYC	CAA-CBA-CGA-O2A
33	W3	1001	CYC	CAD-CBD-CGD-O2D
33	x3	1001	CYC	CAA-CBA-CGA-O2A
33	D6	1001	CYC	CAA-CBA-CGA-O2A
31	BA	202	PEB	CAB-CBB-CGB-O1B
31	DA	203	PEB	CAC-CBC-CGC-O1C
31	FA	201	PEB	CAC-CBC-CGC-O1C
31	GA	203	PEB	CAB-CBB-CGB-O2B
31	HA	201	PEB	CAB-CBB-CGB-O1B
31	HA	201	PEB	CAB-CBB-CGB-O2B
31	IA	202	PEB	CAC-CBC-CGC-O2C
31	QA	202	PEB	CAC-CBC-CGC-O2C
31	QA	203	PEB	CAB-CBB-CGB-O2B
31	UA	303	PEB	CAC-CBC-CGC-O2C
31	VA	201	PEB	CAC-CBC-CGC-O2C
31	XA	201	PEB	CAC-CBC-CGC-O2C
31	ZA	201	PEB	CAC-CBC-CGC-O1C
31	AB	301	PEB	CAB-CBB-CGB-O1B
31	AB	304	PEB	CAC-CBC-CGC-O2C
31	QB	201	PEB	CAC-CBC-CGC-O1C
31	ZB	201	PEB	CAC-CBC-CGC-O1C
31	AC	302	PEB	CAC-CBC-CGC-O1C
31	OC	203	PEB	CAC-CBC-CGC-O1C
31	QC	203	PEB	CAC-CBC-CGC-O1C
31	RC	201	PEB	CAB-CBB-CGB-O1B
31	RC	202	PEB	CAC-CBC-CGC-O1C
31	RC	202	PEB	CAB-CBB-CGB-O1B
31	UC	201	PEB	CAC-CBC-CGC-O2C
31	ZC	201	PEB	CAB-CBB-CGB-O2B
31	AD	301	PEB	CAC-CBC-CGC-O2C
31	AD	304	PEB	CAB-CBB-CGB-O2B
31	QD	202	PEB	CAC-CBC-CGC-O1C
31	YD	202	PEB	CAC-CBC-CGC-O2C
31	ZD	203	PEB	CAB-CBB-CGB-O1B
31	AE	301	PEB	CAC-CBC-CGC-O2C
31	AE	304	PEB	CAB-CBB-CGB-O2B
31	WE	203	PEB	CAC-CBC-CGC-O2C
31	YE	202	PEB	CAC-CBC-CGC-O2C
31	ZE	203	PEB	CAB-CBB-CGB-O1B
31	CF	202	PEB	CAC-CBC-CGC-O1C
31	GF	202	PEB	CAC-CBC-CGC-O1C
31	PF	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	TF	202	PEB	CAC-CBC-CGC-O2C
31	XF	201	PEB	CAC-CBC-CGC-O2C
31	DG	201	PEB	CAC-CBC-CGC-O2C
31	OG	202	PEB	CAC-CBC-CGC-O2C
31	SG	201	PEB	CAC-CBC-CGC-O2C
31	CH	201	PEB	CAC-CBC-CGC-O2C
31	IH	202	PEB	CAC-CBC-CGC-O1C
31	JH	202	PEB	CAC-CBC-CGC-O1C
31	KH	201	PEB	CAC-CBC-CGC-O2C
31	WH	201	PEB	CAC-CBC-CGC-O2C
31	JI	203	PEB	CAB-CBB-CGB-O1B
31	MI	301	PEB	CAB-CBB-CGB-O2B
31	MI	302	PEB	CAB-CBB-CGB-O2B
31	MI	305	PEB	CAB-CBB-CGB-O1B
31	MI	305	PEB	CAB-CBB-CGB-O2B
31	UI	201	PEB	CAB-CBB-CGB-O1B
31	YI	203	PEB	CAB-CBB-CGB-O1B
31	ZI	304	PEB	CAB-CBB-CGB-O1B
31	ZI	304	PEB	CAB-CBB-CGB-O2B
31	AJ	301	PEB	CAC-CBC-CGC-O2C
31	AJ	304	PEB	CAC-CBC-CGC-O2C
31	HJ	203	PEB	CAC-CBC-CGC-O2C
31	HJ	203	PEB	CAB-CBB-CGB-O1B
31	HJ	203	PEB	CAB-CBB-CGB-O2B
31	RJ	202	PEB	CAB-CBB-CGB-O1B
31	RJ	202	PEB	CAB-CBB-CGB-O2B
31	SJ	202	PEB	CAB-CBB-CGB-O1B
31	TJ	201	PEB	CAB-CBB-CGB-O1B
31	VJ	201	PEB	CAB-CBB-CGB-O2B
31	VJ	203	PEB	CAC-CBC-CGC-O2C
31	WJ	202	PEB	CAC-CBC-CGC-O2C
31	YJ	202	PEB	CAC-CBC-CGC-O1C
31	BK	201	PEB	CAC-CBC-CGC-O2C
31	DK	202	PEB	CAB-CBB-CGB-O2B
31	FK	202	PEB	CAC-CBC-CGC-O1C
31	GK	202	PEB	CAC-CBC-CGC-O2C
31	IK	202	PEB	CAC-CBC-CGC-O1C
31	IK	202	PEB	CAB-CBB-CGB-O2B
31	JK	203	PEB	CAB-CBB-CGB-O1B
31	JK	203	PEB	CAB-CBB-CGB-O2B
31	MK	201	PEB	CAC-CBC-CGC-O1C
31	PK	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	WK	201	PEB	CAB-CBB-CGB-O2B
31	A1	201	PEB	CAC-CBC-CGC-O1C
31	B1	201	PEB	CAC-CBC-CGC-O2C
31	F1	202	PEB	CAC-CBC-CGC-O1C
31	H1	203	PEB	CAC-CBC-CGC-O2C
31	I1	201	PEB	CAC-CBC-CGC-O2C
31	I1	202	PEB	CAC-CBC-CGC-O1C
31	I1	202	PEB	CAB-CBB-CGB-O2B
31	J1	203	PEB	CAB-CBB-CGB-O1B
31	J1	203	PEB	CAB-CBB-CGB-O2B
31	L1	203	PEB	CAB-CBB-CGB-O2B
31	O1	202	PEB	CAB-CBB-CGB-O2B
31	P1	201	PEB	CAC-CBC-CGC-O1C
31	R1	202	PEB	CAC-CBC-CGC-O2C
31	O2	203	PEB	CAC-CBC-CGC-O1C
31	P2	202	PEB	CAB-CBB-CGB-O1B
31	R2	201	PEB	CAB-CBB-CGB-O1B
31	R2	202	PEB	CAC-CBC-CGC-O1C
31	S2	201	PEB	CAC-CBC-CGC-O2C
31	U2	201	PEB	CAC-CBC-CGC-O2C
31	A2	302	PEB	CAC-CBC-CGC-O1C
31	F2	1002	PEB	CAB-CBB-CGB-O1B
31	f2	201	PEB	CAC-CBC-CGC-O2C
31	f2	202	PEB	CAC-CBC-CGC-O2C
31	g2	201	PEB	CAC-CBC-CGC-O1C
31	g2	202	PEB	CAB-CBB-CGB-O1B
31	h2	202	PEB	CAB-CBB-CGB-O2B
31	d2	202	PEB	CAC-CBC-CGC-O1C
31	d2	203	PEB	CAC-CBC-CGC-O1C
31	D4	202	PEB	CAC-CBC-CGC-O1C
31	E4	203	PEB	CAB-CBB-CGB-O1B
31	K4	202	PEB	CAC-CBC-CGC-O2C
31	S4	202	PEB	CAC-CBC-CGC-O1C
31	U4	203	PEB	CAC-CBC-CGC-O2C
31	W4	201	PEB	CAC-CBC-CGC-O1C
31	X4	202	PEB	CAC-CBC-CGC-O1C
31	Y4	203	PEB	CAC-CBC-CGC-O2C
31	a4	202	PEB	CAC-CBC-CGC-O2C
31	c4	201	PEB	CAC-CBC-CGC-O2C
31	f4	203	PEB	CAC-CBC-CGC-O2C
31	h4	201	PEB	CAC-CBC-CGC-O2C
31	h4	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	I4	202	PEB	CAC-CBC-CGC-O1C
31	N5	203	PEB	CAB-CBB-CGB-O1B
31	R5	202	PEB	CAB-CBB-CGB-O2B
31	T5	201	PEB	CAB-CBB-CGB-O1B
31	A5	304	PEB	CAC-CBC-CGC-O1C
31	A5	304	PEB	CAC-CBC-CGC-O2C
31	F5	201	PEB	CAB-CBB-CGB-O1B
31	H5	201	PEB	CAB-CBB-CGB-O2B
31	H5	203	PEB	CAC-CBC-CGC-O2C
31	H5	203	PEB	CAB-CBB-CGB-O2B
31	V5	201	PEB	CAB-CBB-CGB-O2B
31	V5	203	PEB	CAC-CBC-CGC-O2C
31	W5	202	PEB	CAC-CBC-CGC-O2C
31	F6	1002	PEB	CAB-CBB-CGB-O2B
31	J6	1002	PEB	CAC-CBC-CGC-O2C
31	A6	304	PEB	CAB-CBB-CGB-O2B
31	R6	203	PEB	CAC-CBC-CGC-O1C
31	Z6	201	PEB	CAC-CBC-CGC-O1C
31	a6	202	PEB	CAC-CBC-CGC-O2C
31	b6	202	PEB	CAC-CBC-CGC-O1C
31	c6	202	PEB	CAB-CBB-CGB-O1B
31	d6	201	PEB	CAB-CBB-CGB-O2B
31	e6	201	PEB	CAC-CBC-CGC-O1C
31	C7	201	PEB	CAC-CBC-CGC-O2C
31	F7	202	PEB	CAB-CBB-CGB-O1B
31	G7	201	PEB	CAC-CBC-CGC-O2C
31	O7	202	PEB	CAC-CBC-CGC-O2C
31	S7	201	PEB	CAB-CBB-CGB-O1B
31	S7	201	PEB	CAB-CBB-CGB-O2B
31	T7	202	PEB	CAB-CBB-CGB-O1B
31	U7	203	PEB	CAC-CBC-CGC-O2C
31	W7	201	PEB	CAB-CBB-CGB-O1B
31	W7	202	PEB	CAC-CBC-CGC-O2C
31	X7	201	PEB	CAB-CBB-CGB-O2B
31	X8	201	PEB	CAC-CBC-CGC-O2C
31	G8	202	PEB	CAC-CBC-CGC-O1C
31	S8	203	PEB	CAB-CBB-CGB-O2B
31	U8	202	PEB	CAB-CBB-CGB-O1B
31	a8	202	PEB	CAB-CBB-CGB-O2B
31	a8	203	PEB	CAB-CBB-CGB-O2B
31	c8	202	PEB	CAC-CBC-CGC-O2C
31	d8	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	d8	201	PEB	CAB-CBB-CGB-O1B
31	d8	202	PEB	CAB-CBB-CGB-O2B
31	f8	202	PEB	CAC-CBC-CGC-O2C
31	g8	202	PEB	CAB-CBB-CGB-O1B
31	i8	202	PEB	CAC-CBC-CGC-O1C
31	l8	202	PEB	CAB-CBB-CGB-O2B
31	t8	202	PEB	CAB-CBB-CGB-O2B
31	x8	303	PEB	CAB-CBB-CGB-O1B
31	x8	303	PEB	CAB-CBB-CGB-O2B
31	x8	304	PEB	CAB-CBB-CGB-O2B
31	B9	201	PEB	CAC-CBC-CGC-O2C
31	B9	202	PEB	CAC-CBC-CGC-O1C
31	D9	203	PEB	CAB-CBB-CGB-O1B
31	H9	203	PEB	CAC-CBC-CGC-O2C
31	J9	203	PEB	CAC-CBC-CGC-O2C
31	J9	203	PEB	CAB-CBB-CGB-O2B
31	M9	301	PEB	CAB-CBB-CGB-O2B
31	Y9	201	PEB	CAC-CBC-CGC-O2C
31	Y9	203	PEB	CAC-CBC-CGC-O1C
31	Z9	301	PEB	CAB-CBB-CGB-O2B
31	gA	203	PEB	CAC-CBC-CGC-O2C
31	gA	203	PEB	CAB-CBB-CGB-O2B
31	lB	202	PEB	CAB-CBB-CGB-O1B
31	aB	202	PEB	CAC-CBC-CGC-O2C
31	bB	202	PEB	CAC-CBC-CGC-O1C
31	dB	201	PEB	CAB-CBB-CGB-O2B
31	fC	202	PEB	CAC-CBC-CGC-O2C
31	gC	201	PEB	CAC-CBC-CGC-O1C
31	hC	201	PEB	CAB-CBB-CGB-O2B
31	jC	202	PEB	CAB-CBB-CGB-O1B
31	lC	201	PEB	CAC-CBC-CGC-O1C
31	bC	201	PEB	CAC-CBC-CGC-O2C
31	dC	202	PEB	CAC-CBC-CGC-O1C
31	bD	202	PEB	CAC-CBC-CGC-O1C
31	eD	201	PEB	CAC-CBC-CGC-O2C
31	gD	201	PEB	CAC-CBC-CGC-O1C
31	jD	201	PEB	CAC-CBC-CGC-O2C
31	jD	202	PEB	CAC-CBC-CGC-O1C
31	lD	203	PEB	CAB-CBB-CGB-O2B
31	bE	201	PEB	CAC-CBC-CGC-O1C
31	cE	202	PEB	CAC-CBC-CGC-O1C
31	cE	202	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	gE	201	PEB	CAC-CBC-CGC-O1C
31	jE	201	PEB	CAC-CBC-CGC-O2C
31	jE	202	PEB	CAC-CBC-CGC-O1C
31	lE	203	PEB	CAB-CBB-CGB-O2B
31	aF	202	PEB	CAB-CBB-CGB-O2B
31	eF	201	PEB	CAB-CBB-CGB-O2B
31	fF	202	PEB	CAC-CBC-CGC-O2C
31	gF	202	PEB	CAB-CBB-CGB-O1B
31	xF	302	PEB	CAB-CBB-CGB-O2B
31	xF	303	PEB	CAB-CBB-CGB-O2B
31	xF	304	PEB	CAB-CBB-CGB-O2B
31	dH	201	PEB	CAC-CBC-CGC-O2C
31	eH	201	PEB	CAB-CBB-CGB-O1B
31	fH	203	PEB	CAC-CBC-CGC-O1C
31	jH	201	PEB	CAC-CBC-CGC-O1C
31	lH	201	PEB	CAC-CBC-CGC-O1C
32	AC	304	PUB	CAC-CBC-CGC-O2C
32	AH	303	PUB	CAB-CBB-CGB-O1B
32	A2	304	PUB	CAC-CBC-CGC-O2C
32	M9	304	PUB	CAB-CBB-CGB-O1B
32	Z9	304	PUB	CAB-CBB-CGB-O1B
32	xF	301	PUB	CAB-CBB-CGB-O2B
33	JC	1003	CYC	CAA-CBA-CGA-O2A
33	BD	1001	CYC	CAD-CBD-CGD-O2D
33	HD	1001	CYC	CAA-CBA-CGA-O1A
33	M2	201	CYC	CAA-CBA-CGA-O2A
31	AA	501	PEB	CAC-CBC-CGC-O2C
31	HA	201	PEB	CAC-CBC-CGC-O1C
31	WA	401	PEB	CAC-CBC-CGC-O2C
31	FB	1002	PEB	CAB-CBB-CGB-O2B
31	YB	203	PEB	CAB-CBB-CGB-O2B
31	DC	1002	PEB	CAC-CBC-CGC-O2C
31	QC	201	PEB	CAB-CBB-CGB-O1B
31	RC	202	PEB	CAB-CBB-CGB-O2B
31	SC	201	PEB	CAC-CBC-CGC-O1C
31	UC	202	PEB	CAC-CBC-CGC-O1C
31	UC	202	PEB	CAC-CBC-CGC-O2C
31	UC	203	PEB	CAB-CBB-CGB-O1B
31	ZC	203	PEB	CAB-CBB-CGB-O2B
31	PD	201	PEB	CAB-CBB-CGB-O1B
31	QD	201	PEB	CAC-CBC-CGC-O1C
31	PE	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	QE	202	PEB	CAC-CBC-CGC-O1C
31	WE	202	PEB	CAB-CBB-CGB-O1B
31	AF	202	PEB	CAB-CBB-CGB-O2B
31	FF	202	PEB	CAC-CBC-CGC-O1C
31	NF	201	PEB	CAC-CBC-CGC-O2C
31	YF	202	PEB	CAB-CBB-CGB-O2B
31	MG	401	PEB	CAB-CBB-CGB-O2B
31	IH	201	PEB	CAC-CBC-CGC-O2C
31	OH	203	PEB	CAC-CBC-CGC-O2C
31	PH	202	PEB	CAB-CBB-CGB-O2B
31	SH	202	PEB	CAB-CBB-CGB-O2B
31	WH	201	PEB	CAC-CBC-CGC-O1C
31	XH	202	PEB	CAB-CBB-CGB-O1B
31	AI	202	PEB	CAC-CBC-CGC-O1C
31	BI	201	PEB	CAC-CBC-CGC-O2C
31	CI	202	PEB	CAC-CBC-CGC-O1C
31	EI	202	PEB	CAC-CBC-CGC-O1C
31	FI	201	PEB	CAB-CBB-CGB-O1B
31	FI	201	PEB	CAB-CBB-CGB-O2B
31	KI	202	PEB	CAC-CBC-CGC-O1C
31	MI	302	PEB	CAC-CBC-CGC-O1C
31	NI	202	PEB	CAC-CBC-CGC-O1C
31	PI	202	PEB	CAC-CBC-CGC-O1C
31	UI	204	PEB	CAC-CBC-CGC-O1C
31	XI	202	PEB	CAC-CBC-CGC-O1C
31	ZI	301	PEB	CAC-CBC-CGC-O1C
31	ZI	301	PEB	CAB-CBB-CGB-O2B
31	BJ	203	PEB	CAB-CBB-CGB-O1B
31	DJ	201	PEB	CAC-CBC-CGC-O2C
31	FJ	201	PEB	CAB-CBB-CGB-O2B
31	JJ	201	PEB	CAC-CBC-CGC-O2C
31	MJ	202	PEB	CAB-CBB-CGB-O1B
31	NJ	202	PEB	CAB-CBB-CGB-O1B
31	OJ	202	PEB	CAC-CBC-CGC-O2C
31	OJ	202	PEB	CAB-CBB-CGB-O2B
31	PJ	202	PEB	CAC-CBC-CGC-O1C
31	RJ	201	PEB	CAC-CBC-CGC-O2C
31	SJ	202	PEB	CAB-CBB-CGB-O2B
31	VJ	202	PEB	CAB-CBB-CGB-O1B
31	WJ	201	PEB	CAC-CBC-CGC-O2C
31	XJ	202	PEB	CAC-CBC-CGC-O2C
31	XJ	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	AK	201	PEB	CAC-CBC-CGC-O1C
31	AK	202	PEB	CAB-CBB-CGB-O2B
31	BK	203	PEB	CAB-CBB-CGB-O1B
31	CK	201	PEB	CAC-CBC-CGC-O1C
31	CK	201	PEB	CAC-CBC-CGC-O2C
31	HK	203	PEB	CAC-CBC-CGC-O2C
31	IK	201	PEB	CAC-CBC-CGC-O2C
31	IK	202	PEB	CAB-CBB-CGB-O1B
31	LK	202	PEB	CAC-CBC-CGC-O1C
31	LK	203	PEB	CAB-CBB-CGB-O2B
31	OK	201	PEB	CAC-CBC-CGC-O1C
31	OK	202	PEB	CAB-CBB-CGB-O2B
31	RK	202	PEB	CAC-CBC-CGC-O2C
31	YK	302	PEB	CAC-CBC-CGC-O1C
31	YK	302	PEB	CAC-CBC-CGC-O2C
31	YK	302	PEB	CAB-CBB-CGB-O2B
31	YK	303	PEB	CAC-CBC-CGC-O1C
31	B1	203	PEB	CAB-CBB-CGB-O1B
31	C1	201	PEB	CAC-CBC-CGC-O1C
31	C1	201	PEB	CAC-CBC-CGC-O2C
31	G1	202	PEB	CAC-CBC-CGC-O2C
31	I1	202	PEB	CAB-CBB-CGB-O1B
31	L1	202	PEB	CAC-CBC-CGC-O1C
31	M1	201	PEB	CAC-CBC-CGC-O1C
31	O1	201	PEB	CAC-CBC-CGC-O1C
31	W1	201	PEB	CAB-CBB-CGB-O2B
31	Y1	302	PEB	CAC-CBC-CGC-O1C
31	Y1	302	PEB	CAC-CBC-CGC-O2C
31	Y1	302	PEB	CAB-CBB-CGB-O2B
31	O2	202	PEB	CAC-CBC-CGC-O1C
31	Q2	203	PEB	CAC-CBC-CGC-O1C
31	U2	202	PEB	CAC-CBC-CGC-O2C
31	U2	203	PEB	CAC-CBC-CGC-O1C
31	U2	203	PEB	CAB-CBB-CGB-O1B
31	j2	201	PEB	CAC-CBC-CGC-O2C
31	j2	202	PEB	CAB-CBB-CGB-O1B
31	l2	202	PEB	CAC-CBC-CGC-O1C
31	m2	201	PEB	CAB-CBB-CGB-O2B
31	b2	202	PEB	CAB-CBB-CGB-O2B
31	d2	203	PEB	CAC-CBC-CGC-O2C
31	A4	301	PEB	CAB-CBB-CGB-O2B
31	A4	302	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	C4	201	PEB	CAC-CBC-CGC-O1C
31	I4	203	PEB	CAC-CBC-CGC-O1C
31	J4	202	PEB	CAB-CBB-CGB-O1B
31	M4	202	PEB	CAC-CBC-CGC-O1C
31	W4	203	PEB	CAC-CBC-CGC-O2C
31	Y4	203	PEB	CAB-CBB-CGB-O2B
31	a4	204	PEB	CAC-CBC-CGC-O2C
31	k4	202	PEB	CAC-CBC-CGC-O2C
31	m4	202	PEB	CAC-CBC-CGC-O2C
31	O5	202	PEB	CAC-CBC-CGC-O2C
31	O5	202	PEB	CAB-CBB-CGB-O1B
31	P5	202	PEB	CAC-CBC-CGC-O1C
31	P5	203	PEB	CAB-CBB-CGB-O2B
31	Q5	202	PEB	CAC-CBC-CGC-O2C
31	R5	201	PEB	CAC-CBC-CGC-O2C
31	R5	202	PEB	CAB-CBB-CGB-O1B
31	S5	202	PEB	CAB-CBB-CGB-O1B
31	S5	202	PEB	CAB-CBB-CGB-O2B
31	T5	203	PEB	CAC-CBC-CGC-O2C
31	U5	202	PEB	CAC-CBC-CGC-O2C
31	H5	203	PEB	CAB-CBB-CGB-O1B
31	V5	202	PEB	CAB-CBB-CGB-O1B
31	W5	201	PEB	CAC-CBC-CGC-O2C
31	X5	202	PEB	CAC-CBC-CGC-O2C
31	X5	202	PEB	CAB-CBB-CGB-O2B
31	Y6	203	PEB	CAB-CBB-CGB-O2B
31	i6	203	PEB	CAC-CBC-CGC-O2C
31	k6	203	PEB	CAC-CBC-CGC-O2C
31	b6	201	PEB	CAC-CBC-CGC-O1C
31	c6	202	PEB	CAB-CBB-CGB-O2B
31	A7	203	PEB	CAB-CBB-CGB-O1B
31	C7	202	PEB	CAC-CBC-CGC-O1C
31	F7	202	PEB	CAB-CBB-CGB-O2B
31	H7	202	PEB	CAB-CBB-CGB-O2B
31	O7	201	PEB	CAB-CBB-CGB-O1B
31	Q7	201	PEB	CAC-CBC-CGC-O2C
31	S7	202	PEB	CAC-CBC-CGC-O2C
31	Y8	202	PEB	CAB-CBB-CGB-O2B
31	H8	202	PEB	CAB-CBB-CGB-O1B
31	K8	203	PEB	CAC-CBC-CGC-O1C
31	L8	201	PEB	CAC-CBC-CGC-O1C
31	N8	201	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	P8	202	PEB	CAB-CBB-CGB-O2B
31	T8	202	PEB	CAC-CBC-CGC-O2C
31	e8	201	PEB	CAB-CBB-CGB-O2B
31	k8	201	PEB	CAC-CBC-CGC-O2C
31	l8	201	PEB	CAC-CBC-CGC-O2C
31	n8	201	PEB	CAC-CBC-CGC-O1C
31	p8	201	PEB	CAB-CBB-CGB-O2B
31	t8	202	PEB	CAB-CBB-CGB-O1B
31	x8	302	PEB	CAB-CBB-CGB-O2B
31	x8	304	PEB	CAC-CBC-CGC-O1C
31	D9	203	PEB	CAC-CBC-CGC-O2C
31	F9	203	PEB	CAB-CBB-CGB-O1B
31	O9	203	PEB	CAC-CBC-CGC-O2C
31	O9	203	PEB	CAB-CBB-CGB-O1B
31	fA	301	PEB	CAB-CBB-CGB-O2B
31	dA	202	PEB	CAB-CBB-CGB-O1B
31	gA	201	PEB	CAC-CBC-CGC-O2C
31	iB	203	PEB	CAC-CBC-CGC-O2C
31	kB	202	PEB	CAB-CBB-CGB-O2B
31	kB	203	PEB	CAC-CBC-CGC-O2C
31	bB	201	PEB	CAC-CBC-CGC-O1C
31	cB	202	PEB	CAB-CBB-CGB-O1B
31	cB	202	PEB	CAB-CBB-CGB-O2B
31	eB	201	PEB	CAC-CBC-CGC-O1C
31	fC	203	PEB	CAC-CBC-CGC-O1C
31	gC	202	PEB	CAB-CBB-CGB-O1B
31	jC	201	PEB	CAC-CBC-CGC-O2C
31	lC	202	PEB	CAC-CBC-CGC-O2C
31	mC	201	PEB	CAB-CBB-CGB-O2B
31	bC	202	PEB	CAB-CBB-CGB-O2B
31	dC	203	PEB	CAC-CBC-CGC-O1C
31	bD	201	PEB	CAB-CBB-CGB-O2B
31	cD	202	PEB	CAB-CBB-CGB-O1B
31	jD	201	PEB	CAB-CBB-CGB-O1B
31	kD	201	PEB	CAC-CBC-CGC-O1C
31	cE	202	PEB	CAB-CBB-CGB-O1B
31	eE	201	PEB	CAC-CBC-CGC-O2C
31	gE	202	PEB	CAC-CBC-CGC-O2C
31	jE	201	PEB	CAB-CBB-CGB-O1B
31	aF	203	PEB	CAB-CBB-CGB-O2B
31	dF	201	PEB	CAC-CBC-CGC-O1C
31	dF	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	dF	202	PEB	CAC-CBC-CGC-O1C
31	iF	202	PEB	CAC-CBC-CGC-O1C
31	kF	201	PEB	CAC-CBC-CGC-O2C
31	lF	201	PEB	CAC-CBC-CGC-O2C
31	lF	202	PEB	CAB-CBB-CGB-O2B
31	pF	201	PEB	CAB-CBB-CGB-O2B
31	tF	202	PEB	CAB-CBB-CGB-O1B
31	wF	302	PEB	CAB-CBB-CGB-O1B
31	xF	303	PEB	CAB-CBB-CGB-O1B
31	dH	201	PEB	CAB-CBB-CGB-O1B
31	hH	202	PEB	CAC-CBC-CGC-O2C
32	AH	304	PUB	CAC-CBC-CGC-O1C
32	B4	302	PUB	CAB-CBB-CGB-O1B
32	x8	301	PUB	CAB-CBB-CGB-O2B
33	CE	1001	CYC	CAA-CBA-CGA-O2A
33	63	901	CYC	CAD-CBD-CGD-O2D
33	M6	1001	CYC	CAA-CBA-CGA-O1A
31	BK	201	PEB	C4B-C3B-CAB-CBB
31	o8	203	PEB	C4B-C3B-CAB-CBB
31	AA	501	PEB	CAB-CBB-CGB-O2B
31	FA	201	PEB	CAB-CBB-CGB-O2B
31	HA	203	PEB	CAB-CBB-CGB-O2B
31	LA	201	PEB	CAC-CBC-CGC-O2C
31	NA	203	PEB	CAC-CBC-CGC-O2C
31	UA	304	PEB	CAB-CBB-CGB-O2B
31	RB	202	PEB	CAC-CBC-CGC-O2C
31	TB	203	PEB	CAB-CBB-CGB-O1B
31	VB	202	PEB	CAC-CBC-CGC-O2C
31	YB	203	PEB	CAC-CBC-CGC-O2C
31	AC	305	PEB	CAB-CBB-CGB-O1B
31	QC	202	PEB	CAC-CBC-CGC-O2C
31	QC	202	PEB	CAB-CBB-CGB-O2B
31	HD	1002	PEB	CAC-CBC-CGC-O2C
31	KD	201	PEB	CAC-CBC-CGC-O2C
31	WD	201	PEB	CAB-CBB-CGB-O1B
31	WD	201	PEB	CAB-CBB-CGB-O2B
31	HE	1002	PEB	CAC-CBC-CGC-O2C
31	KE	201	PEB	CAC-CBC-CGC-O2C
31	QE	201	PEB	CAC-CBC-CGC-O1C
31	SE	203	PEB	CAB-CBB-CGB-O2B
31	WE	202	PEB	CAB-CBB-CGB-O2B
31	ZE	201	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	BF	201	PEB	CAB-CBB-CGB-O1B
31	BF	201	PEB	CAB-CBB-CGB-O2B
31	CF	201	PEB	CAB-CBB-CGB-O2B
31	KF	203	PEB	CAC-CBC-CGC-O1C
31	KF	203	PEB	CAB-CBB-CGB-O2B
31	LF	201	PEB	CAC-CBC-CGC-O1C
31	BG	201	PEB	CAC-CBC-CGC-O2C
31	BG	203	PEB	CAB-CBB-CGB-O1B
31	FG	201	PEB	CAC-CBC-CGC-O2C
31	RG	203	PEB	CAC-CBC-CGC-O1C
31	AH	302	PEB	CAC-CBC-CGC-O1C
31	IH	203	PEB	CAB-CBB-CGB-O1B
31	QH	201	PEB	CAC-CBC-CGC-O1C
31	SH	201	PEB	CAC-CBC-CGC-O1C
31	XH	202	PEB	CAB-CBB-CGB-O2B
31	YH	201	PEB	CAC-CBC-CGC-O2C
31	DI	202	PEB	CAC-CBC-CGC-O1C
31	GI	202	PEB	CAC-CBC-CGC-O1C
31	II	202	PEB	CAC-CBC-CGC-O1C
31	RI	202	PEB	CAC-CBC-CGC-O1C
31	TI	202	PEB	CAC-CBC-CGC-O1C
31	VI	202	PEB	CAC-CBC-CGC-O1C
31	WI	202	PEB	CAC-CBC-CGC-O1C
31	DJ	203	PEB	CAC-CBC-CGC-O2C
31	JJ	203	PEB	CAC-CBC-CGC-O2C
31	MJ	202	PEB	CAC-CBC-CGC-O1C
31	SJ	202	PEB	CAC-CBC-CGC-O1C
31	UJ	202	PEB	CAC-CBC-CGC-O2C
31	EK	202	PEB	CAC-CBC-CGC-O2C
31	JK	202	PEB	CAC-CBC-CGC-O1C
31	LK	202	PEB	CAC-CBC-CGC-O2C
31	OK	201	PEB	CAB-CBB-CGB-O2B
31	RK	203	PEB	CAB-CBB-CGB-O1B
31	SK	202	PEB	CAC-CBC-CGC-O2C
31	VK	202	PEB	CAB-CBB-CGB-O2B
31	A1	202	PEB	CAB-CBB-CGB-O2B
31	E1	202	PEB	CAC-CBC-CGC-O2C
31	L1	202	PEB	CAC-CBC-CGC-O2C
31	O1	201	PEB	CAB-CBB-CGB-O2B
31	R1	203	PEB	CAB-CBB-CGB-O1B
31	S1	202	PEB	CAC-CBC-CGC-O2C
31	V1	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	Y1	303	PEB	CAC-CBC-CGC-O1C
31	P2	202	PEB	CAC-CBC-CGC-O1C
31	Q2	201	PEB	CAB-CBB-CGB-O1B
31	Q2	202	PEB	CAC-CBC-CGC-O2C
31	Q2	202	PEB	CAB-CBB-CGB-O2B
31	S2	201	PEB	CAC-CBC-CGC-O1C
31	A2	305	PEB	CAB-CBB-CGB-O1B
31	D2	1002	PEB	CAC-CBC-CGC-O2C
31	Z2	201	PEB	CAC-CBC-CGC-O2C
31	Z2	201	PEB	CAB-CBB-CGB-O2B
31	Z2	203	PEB	CAB-CBB-CGB-O2B
31	f2	203	PEB	CAC-CBC-CGC-O1C
31	h2	201	PEB	CAB-CBB-CGB-O2B
31	b2	202	PEB	CAC-CBC-CGC-O2C
31	c2	201	PEB	CAC-CBC-CGC-O1C
31	d2	202	PEB	CAB-CBB-CGB-O1B
31	D4	202	PEB	CAB-CBB-CGB-O1B
31	I4	201	PEB	CAC-CBC-CGC-O1C
31	I4	203	PEB	CAB-CBB-CGB-O2B
31	V4	202	PEB	CAB-CBB-CGB-O2B
31	c4	202	PEB	CAC-CBC-CGC-O2C
31	e4	201	PEB	CAB-CBB-CGB-O1B
31	f4	202	PEB	CAB-CBB-CGB-O2B
31	h4	201	PEB	CAB-CBB-CGB-O1B
31	i4	201	PEB	CAC-CBC-CGC-O1C
31	M5	202	PEB	CAC-CBC-CGC-O1C
31	M5	202	PEB	CAB-CBB-CGB-O1B
31	N5	202	PEB	CAB-CBB-CGB-O1B
31	O5	202	PEB	CAB-CBB-CGB-O2B
31	S5	202	PEB	CAC-CBC-CGC-O1C
31	A5	301	PEB	CAC-CBC-CGC-O2C
31	B5	203	PEB	CAB-CBB-CGB-O1B
31	D5	201	PEB	CAC-CBC-CGC-O2C
31	D5	203	PEB	CAC-CBC-CGC-O2C
31	D5	203	PEB	CAB-CBB-CGB-O2B
31	Y5	202	PEB	CAC-CBC-CGC-O1C
31	R6	202	PEB	CAC-CBC-CGC-O2C
31	T6	203	PEB	CAB-CBB-CGB-O1B
31	Y6	203	PEB	CAC-CBC-CGC-O2C
31	i6	202	PEB	CAC-CBC-CGC-O2C
31	l6	202	PEB	CAB-CBB-CGB-O1B
31	b6	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	c6	202	PEB	CAC-CBC-CGC-O2C
31	c6	203	PEB	CAC-CBC-CGC-O2C
31	e6	203	PEB	CAB-CBB-CGB-O1B
31	f6	202	PEB	CAC-CBC-CGC-O2C
31	g6	203	PEB	CAC-CBC-CGC-O2C
31	E7	202	PEB	CAB-CBB-CGB-O1B
31	G7	203	PEB	CAB-CBB-CGB-O2B
31	K7	201	PEB	CAB-CBB-CGB-O2B
31	L7	201	PEB	CAB-CBB-CGB-O1B
31	B8	201	PEB	CAB-CBB-CGB-O1B
31	C8	201	PEB	CAB-CBB-CGB-O2B
31	c8	201	PEB	CAC-CBC-CGC-O2C
31	d8	202	PEB	CAC-CBC-CGC-O1C
31	s8	202	PEB	CAB-CBB-CGB-O2B
31	F9	202	PEB	CAC-CBC-CGC-O1C
31	F9	203	PEB	CAC-CBC-CGC-O2C
31	J9	203	PEB	CAC-CBC-CGC-O1C
31	J9	203	PEB	CAB-CBB-CGB-O1B
31	L9	202	PEB	CAC-CBC-CGC-O1C
31	Q9	201	PEB	CAC-CBC-CGC-O1C
31	dA	201	PEB	CAC-CBC-CGC-O2C
31	iB	202	PEB	CAC-CBC-CGC-O2C
31	bB	202	PEB	CAB-CBB-CGB-O2B
31	cB	203	PEB	CAC-CBC-CGC-O2C
31	eB	202	PEB	CAC-CBC-CGC-O2C
31	eB	203	PEB	CAB-CBB-CGB-O1B
31	gB	203	PEB	CAC-CBC-CGC-O2C
31	gC	203	PEB	CAB-CBB-CGB-O2B
31	bC	202	PEB	CAC-CBC-CGC-O2C
31	eD	203	PEB	CAB-CBB-CGB-O2B
31	fD	202	PEB	CAB-CBB-CGB-O1B
31	gD	202	PEB	CAC-CBC-CGC-O2C
31	jD	202	PEB	CAB-CBB-CGB-O1B
31	fE	202	PEB	CAB-CBB-CGB-O1B
31	jE	202	PEB	CAB-CBB-CGB-O1B
31	kE	201	PEB	CAB-CBB-CGB-O2B
31	nF	201	PEB	CAC-CBC-CGC-O1C
31	sF	202	PEB	CAB-CBB-CGB-O2B
31	tF	201	PEB	CAC-CBC-CGC-O1C
31	vF	201	PEB	CAB-CBB-CGB-O1B
31	xF	304	PEB	CAC-CBC-CGC-O1C
31	aH	202	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	eH	201	PEB	CAB-CBB-CGB-O2B
31	hH	201	PEB	CAC-CBC-CGC-O1C
31	kH	202	PEB	CAC-CBC-CGC-O2C
32	AB	303	PUB	CAB-CBB-CGB-O1B
32	AC	304	PUB	CAB-CBB-CGB-O1B
32	A2	304	PUB	CAB-CBB-CGB-O1B
33	MB	1001	CYC	CAA-CBA-CGA-O1A
33	MB	1001	CYC	CAA-CBA-CGA-O2A
33	BD	1002	CYC	CAA-CBA-CGA-O2A
33	FD	202	CYC	CAA-CBA-CGA-O2A
33	GD	201	CYC	CAA-CBA-CGA-O1A
33	BE	1001	CYC	CAD-CBD-CGD-O2D
33	BE	1002	CYC	CAA-CBA-CGA-O2A
33	K2	201	CYC	CAA-CBA-CGA-O2A
33	A3	1001	CYC	CAA-CBA-CGA-O1A
33	C3	1001	CYC	CAA-CBA-CGA-O1A
33	E3	1001	CYC	CAA-CBA-CGA-O1A
33	G3	1001	CYC	CAA-CBA-CGA-O1A
33	J3	1001	CYC	CAA-CBA-CGA-O1A
33	K3	1001	CYC	CAA-CBA-CGA-O1A
33	N3	1001	CYC	CAA-CBA-CGA-O1A
33	P3	1001	CYC	CAA-CBA-CGA-O1A
33	R3	1001	CYC	CAA-CBA-CGA-O1A
33	T3	1001	CYC	CAA-CBA-CGA-O1A
33	c3	1001	CYC	CAA-CBA-CGA-O1A
33	e3	1001	CYC	CAA-CBA-CGA-O1A
33	g3	1001	CYC	CAA-CBA-CGA-O1A
33	i3	1001	CYC	CAA-CBA-CGA-O1A
33	l3	1001	CYC	CAA-CBA-CGA-O1A
33	m3	1001	CYC	CAA-CBA-CGA-O1A
33	p3	1001	CYC	CAA-CBA-CGA-O1A
33	r3	1001	CYC	CAA-CBA-CGA-O1A
33	t3	1001	CYC	CAA-CBA-CGA-O1A
33	v3	1001	CYC	CAA-CBA-CGA-O1A
33	x3	1001	CYC	CAD-CBD-CGD-O2D
33	M6	1001	CYC	CAA-CBA-CGA-O2A
31	UB	201	PEB	C3B-CAB-CBB-CGB
31	U6	201	PEB	C3B-CAB-CBB-CGB
31	k6	201	PEB	C3B-CAB-CBB-CGB
31	a8	202	PEB	C3B-CAB-CBB-CGB
31	kB	201	PEB	C3B-CAB-CBB-CGB
31	eD	202	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	hE	203	PEB	C3B-CAB-CBB-CGB
31	aF	202	PEB	C3B-CAB-CBB-CGB
32	y8	302	PUB	C2C-CAC-CBC-CGC
32	yF	302	PUB	C2C-CAC-CBC-CGC
31	NA	202	PEB	CAC-CBC-CGC-O1C
31	QA	202	PEB	CAC-CBC-CGC-O1C
31	SA	201	PEB	CAC-CBC-CGC-O2C
31	SA	202	PEB	CAC-CBC-CGC-O2C
31	UA	303	PEB	CAB-CBB-CGB-O2B
31	YA	201	PEB	CAB-CBB-CGB-O2B
31	OB	201	PEB	CAB-CBB-CGB-O2B
31	OC	202	PEB	CAC-CBC-CGC-O1C
31	PC	202	PEB	CAC-CBC-CGC-O1C
31	UC	203	PEB	CAC-CBC-CGC-O1C
31	ZC	201	PEB	CAC-CBC-CGC-O2C
31	DD	1002	PEB	CAC-CBC-CGC-O2C
31	AF	202	PEB	CAC-CBC-CGC-O1C
31	DF	203	PEB	CAB-CBB-CGB-O1B
31	HF	202	PEB	CAB-CBB-CGB-O1B
31	LF	202	PEB	CAC-CBC-CGC-O1C
31	SF	202	PEB	CAB-CBB-CGB-O1B
31	SF	202	PEB	CAB-CBB-CGB-O2B
31	TF	201	PEB	CAC-CBC-CGC-O1C
31	SG	202	PEB	CAB-CBB-CGB-O2B
31	VG	201	PEB	CAB-CBB-CGB-O2B
31	XG	201	PEB	CAB-CBB-CGB-O2B
31	YG	202	PEB	CAB-CBB-CGB-O1B
31	YG	202	PEB	CAB-CBB-CGB-O2B
31	OH	202	PEB	CAB-CBB-CGB-O1B
31	OH	202	PEB	CAB-CBB-CGB-O2B
31	QH	204	PEB	CAB-CBB-CGB-O1B
31	UH	203	PEB	CAB-CBB-CGB-O2B
31	VH	202	PEB	CAC-CBC-CGC-O2C
31	VH	202	PEB	CAB-CBB-CGB-O1B
31	HI	202	PEB	CAC-CBC-CGC-O1C
31	HI	202	PEB	CAC-CBC-CGC-O2C
31	JI	201	PEB	CAB-CBB-CGB-O2B
31	SI	202	PEB	CAC-CBC-CGC-O1C
31	BJ	203	PEB	CAC-CBC-CGC-O2C
31	DJ	203	PEB	CAB-CBB-CGB-O2B
31	OJ	201	PEB	CAB-CBB-CGB-O2B
31	RJ	203	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	BK	203	PEB	CAC-CBC-CGC-O2C
31	FK	202	PEB	CAC-CBC-CGC-O2C
31	HK	201	PEB	CAC-CBC-CGC-O2C
31	PK	203	PEB	CAB-CBB-CGB-O2B
31	RK	203	PEB	CAC-CBC-CGC-O2C
31	XK	203	PEB	CAC-CBC-CGC-O2C
31	B1	203	PEB	CAC-CBC-CGC-O2C
31	G1	201	PEB	CAC-CBC-CGC-O2C
31	H1	201	PEB	CAC-CBC-CGC-O2C
31	H1	203	PEB	CAB-CBB-CGB-O1B
31	J1	202	PEB	CAC-CBC-CGC-O1C
31	P1	203	PEB	CAB-CBB-CGB-O2B
31	O2	201	PEB	CAC-CBC-CGC-O1C
31	g2	201	PEB	CAB-CBB-CGB-O2B
31	h2	203	PEB	CAB-CBB-CGB-O2B
31	i2	201	PEB	CAC-CBC-CGC-O1C
31	l2	203	PEB	CAC-CBC-CGC-O2C
31	a2	202	PEB	CAC-CBC-CGC-O1C
31	d2	202	PEB	CAC-CBC-CGC-O2C
31	A4	301	PEB	CAC-CBC-CGC-O2C
31	C4	203	PEB	CAC-CBC-CGC-O2C
31	F4	202	PEB	CAC-CBC-CGC-O2C
31	H4	201	PEB	CAC-CBC-CGC-O1C
31	H4	202	PEB	CAC-CBC-CGC-O2C
31	K4	202	PEB	CAC-CBC-CGC-O1C
31	N4	202	PEB	CAB-CBB-CGB-O1B
31	P4	201	PEB	CAC-CBC-CGC-O1C
31	T4	202	PEB	CAB-CBB-CGB-O1B
31	X4	201	PEB	CAC-CBC-CGC-O2C
31	Y4	203	PEB	CAB-CBB-CGB-O1B
31	Z4	202	PEB	CAB-CBB-CGB-O1B
31	c4	201	PEB	CAC-CBC-CGC-O1C
31	g4	202	PEB	CAB-CBB-CGB-O1B
31	j4	202	PEB	CAC-CBC-CGC-O1C
31	m4	202	PEB	CAC-CBC-CGC-O1C
31	B5	203	PEB	CAC-CBC-CGC-O2C
31	J5	203	PEB	CAC-CBC-CGC-O2C
31	X5	203	PEB	CAB-CBB-CGB-O2B
31	O6	201	PEB	CAB-CBB-CGB-O2B
31	U6	202	PEB	CAC-CBC-CGC-O2C
31	V6	202	PEB	CAC-CBC-CGC-O2C
31	a6	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	b6	202	PEB	CAB-CBB-CGB-O1B
31	e6	202	PEB	CAC-CBC-CGC-O2C
31	G7	203	PEB	CAC-CBC-CGC-O2C
31	H7	201	PEB	CAB-CBB-CGB-O1B
31	H7	201	PEB	CAB-CBB-CGB-O2B
31	I7	203	PEB	CAC-CBC-CGC-O2C
31	M7	202	PEB	CAC-CBC-CGC-O1C
31	P7	201	PEB	CAB-CBB-CGB-O2B
31	S7	203	PEB	CAC-CBC-CGC-O1C
31	W7	201	PEB	CAC-CBC-CGC-O2C
31	W7	201	PEB	CAB-CBB-CGB-O2B
31	X7	201	PEB	CAB-CBB-CGB-O1B
31	A8	202	PEB	CAC-CBC-CGC-O1C
31	A8	202	PEB	CAB-CBB-CGB-O2B
31	B8	201	PEB	CAB-CBB-CGB-O2B
31	H8	202	PEB	CAC-CBC-CGC-O1C
31	K8	203	PEB	CAB-CBB-CGB-O1B
31	K8	203	PEB	CAB-CBB-CGB-O2B
31	S8	202	PEB	CAB-CBB-CGB-O1B
31	T8	201	PEB	CAC-CBC-CGC-O1C
31	d8	202	PEB	CAB-CBB-CGB-O1B
31	o8	202	PEB	CAC-CBC-CGC-O2C
31	o8	203	PEB	CAC-CBC-CGC-O2C
31	p8	201	PEB	CAB-CBB-CGB-O1B
31	q8	201	PEB	CAB-CBB-CGB-O1B
31	q8	203	PEB	CAC-CBC-CGC-O1C
31	t8	201	PEB	CAC-CBC-CGC-O1C
31	v8	201	PEB	CAB-CBB-CGB-O1B
31	v8	202	PEB	CAB-CBB-CGB-O1B
31	B9	203	PEB	CAB-CBB-CGB-O2B
31	D9	202	PEB	CAC-CBC-CGC-O1C
31	M9	303	PEB	CAC-CBC-CGC-O2C
31	O9	202	PEB	CAC-CBC-CGC-O1C
31	W9	203	PEB	CAB-CBB-CGB-O1B
31	fA	301	PEB	CAC-CBC-CGC-O2C
31	eA	201	PEB	CAB-CBB-CGB-O2B
31	gA	201	PEB	CAB-CBB-CGB-O2B
31	hA	301	PEB	CAC-CBC-CGC-O2C
31	bB	202	PEB	CAB-CBB-CGB-O1B
31	cB	202	PEB	CAC-CBC-CGC-O2C
31	fB	202	PEB	CAC-CBC-CGC-O2C
31	gC	201	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	iC	201	PEB	CAC-CBC-CGC-O1C
31	aC	202	PEB	CAC-CBC-CGC-O1C
31	aC	202	PEB	CAC-CBC-CGC-O2C
31	dD	202	PEB	CAB-CBB-CGB-O2B
31	eE	201	PEB	CAB-CBB-CGB-O2B
31	hE	201	PEB	CAC-CBC-CGC-O2C
31	dF	202	PEB	CAB-CBB-CGB-O1B
31	oF	202	PEB	CAC-CBC-CGC-O2C
31	oF	203	PEB	CAC-CBC-CGC-O2C
31	pF	201	PEB	CAB-CBB-CGB-O1B
31	qF	201	PEB	CAB-CBB-CGB-O1B
31	qF	203	PEB	CAC-CBC-CGC-O1C
31	vF	202	PEB	CAB-CBB-CGB-O1B
31	cH	202	PEB	CAB-CBB-CGB-O1B
31	jH	202	PEB	CAB-CBB-CGB-O2B
32	AD	302	PUB	CAC-CBC-CGC-O2C
32	AE	302	PUB	CAC-CBC-CGC-O2C
32	A6	303	PUB	CAB-CBB-CGB-O1B
33	NB	1001	CYC	CAD-CBD-CGD-O2D
33	JC	1003	CYC	CAD-CBD-CGD-O2D
33	LC	1001	CYC	CAD-CBD-CGD-O2D
33	ED	1001	CYC	CAA-CBA-CGA-O1A
33	KD	202	CYC	CAA-CBA-CGA-O1A
33	MD	1001	CYC	CAA-CBA-CGA-O2A
33	EE	1001	CYC	CAA-CBA-CGA-O1A
33	GE	201	CYC	CAA-CBA-CGA-O1A
33	ME	1001	CYC	CAA-CBA-CGA-O2A
33	M2	201	CYC	CAD-CBD-CGD-O2D
33	N6	1001	CYC	CAD-CBD-CGD-O2D
31	DA	202	PEB	CAC-CBC-CGC-O1C
31	IA	201	PEB	CAC-CBC-CGC-O2C
31	JA	201	PEB	CAC-CBC-CGC-O2C
31	QA	203	PEB	CAC-CBC-CGC-O2C
31	SA	203	PEB	CAB-CBB-CGB-O1B
31	VA	202	PEB	CAB-CBB-CGB-O2B
31	OB	202	PEB	CAB-CBB-CGB-O2B
31	UB	201	PEB	CAC-CBC-CGC-O2C
31	UB	202	PEB	CAC-CBC-CGC-O2C
31	OC	201	PEB	CAC-CBC-CGC-O1C
31	RC	202	PEB	CAC-CBC-CGC-O2C
31	ZD	201	PEB	CAC-CBC-CGC-O2C
31	ZD	203	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	DF	202	PEB	CAC-CBC-CGC-O2C
31	DF	203	PEB	CAB-CBB-CGB-O2B
31	HF	202	PEB	CAC-CBC-CGC-O1C
31	IF	201	PEB	CAC-CBC-CGC-O2C
31	IF	202	PEB	CAC-CBC-CGC-O1C
31	KF	203	PEB	CAB-CBB-CGB-O1B
31	TF	202	PEB	CAB-CBB-CGB-O2B
31	AG	201	PEB	CAB-CBB-CGB-O2B
31	CG	201	PEB	CAB-CBB-CGB-O2B
31	GG	202	PEB	CAB-CBB-CGB-O2B
31	HG	202	PEB	CAB-CBB-CGB-O1B
31	IG	201	PEB	CAB-CBB-CGB-O2B
31	JG	201	PEB	CAB-CBB-CGB-O1B
31	KG	202	PEB	CAB-CBB-CGB-O2B
31	NG	201	PEB	CAB-CBB-CGB-O2B
31	PG	201	PEB	CAB-CBB-CGB-O2B
31	RG	201	PEB	CAB-CBB-CGB-O2B
31	TG	202	PEB	CAB-CBB-CGB-O2B
31	AH	301	PEB	CAC-CBC-CGC-O2C
31	FH	202	PEB	CAB-CBB-CGB-O1B
31	UH	203	PEB	CAB-CBB-CGB-O1B
31	BI	203	PEB	CAB-CBB-CGB-O1B
31	SI	202	PEB	CAC-CBC-CGC-O2C
31	WI	202	PEB	CAC-CBC-CGC-O2C
31	YI	202	PEB	CAC-CBC-CGC-O1C
31	FJ	202	PEB	CAB-CBB-CGB-O2B
31	GJ	202	PEB	CAB-CBB-CGB-O2B
31	MJ	202	PEB	CAB-CBB-CGB-O2B
31	PJ	203	PEB	CAB-CBB-CGB-O2B
31	XJ	203	PEB	CAB-CBB-CGB-O2B
31	FK	202	PEB	CAB-CBB-CGB-O2B
31	GK	201	PEB	CAC-CBC-CGC-O2C
31	LK	202	PEB	CAB-CBB-CGB-O2B
31	LK	203	PEB	CAC-CBC-CGC-O2C
31	MK	201	PEB	CAB-CBB-CGB-O1B
31	UK	202	PEB	CAB-CBB-CGB-O2B
31	L1	202	PEB	CAB-CBB-CGB-O2B
31	R1	203	PEB	CAC-CBC-CGC-O2C
31	U1	202	PEB	CAB-CBB-CGB-O2B
31	e1	301	PEB	CAB-CBB-CGB-O2B
31	R2	202	PEB	CAC-CBC-CGC-O2C
31	j2	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	a2	202	PEB	CAC-CBC-CGC-O2C
31	b2	201	PEB	CAC-CBC-CGC-O2C
31	E4	202	PEB	CAC-CBC-CGC-O2C
31	I4	203	PEB	CAB-CBB-CGB-O1B
31	K4	203	PEB	CAC-CBC-CGC-O2C
31	T4	202	PEB	CAC-CBC-CGC-O1C
31	X4	201	PEB	CAC-CBC-CGC-O1C
31	a4	203	PEB	CAB-CBB-CGB-O2B
31	j4	202	PEB	CAC-CBC-CGC-O2C
31	k4	202	PEB	CAB-CBB-CGB-O2B
31	M5	202	PEB	CAB-CBB-CGB-O2B
31	O5	201	PEB	CAB-CBB-CGB-O2B
31	F5	202	PEB	CAB-CBB-CGB-O2B
31	O6	202	PEB	CAB-CBB-CGB-O2B
31	U6	201	PEB	CAC-CBC-CGC-O2C
31	d6	202	PEB	CAB-CBB-CGB-O2B
31	A7	201	PEB	CAC-CBC-CGC-O2C
31	B7	201	PEB	CAC-CBC-CGC-O2C
31	Y7	504	PEB	CAB-CBB-CGB-O2B
31	D8	203	PEB	CAB-CBB-CGB-O2B
31	S8	202	PEB	CAB-CBB-CGB-O2B
31	T8	202	PEB	CAB-CBB-CGB-O2B
31	k8	202	PEB	CAC-CBC-CGC-O2C
31	l8	203	PEB	CAB-CBB-CGB-O2B
31	r8	202	PEB	CAB-CBB-CGB-O2B
31	y8	301	PEB	CAC-CBC-CGC-O2C
31	J9	202	PEB	CAC-CBC-CGC-O2C
31	Q9	202	PEB	CAC-CBC-CGC-O1C
31	Z9	303	PEB	CAC-CBC-CGC-O2C
31	aB	202	PEB	CAB-CBB-CGB-O2B
31	dB	202	PEB	CAB-CBB-CGB-O2B
31	cC	201	PEB	CAC-CBC-CGC-O1C
31	dC	202	PEB	CAC-CBC-CGC-O2C
31	eD	201	PEB	CAB-CBB-CGB-O2B
31	hD	201	PEB	CAC-CBC-CGC-O2C
31	kD	201	PEB	CAB-CBB-CGB-O2B
31	hE	202	PEB	CAB-CBB-CGB-O2B
31	cF	201	PEB	CAC-CBC-CGC-O2C
31	lF	203	PEB	CAB-CBB-CGB-O2B
31	rF	202	PEB	CAB-CBB-CGB-O2B
31	aH	201	PEB	CAB-CBB-CGB-O2B
31	iH	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	jH	202	PEB	CAB-CBB-CGB-O1B
31	kH	202	PEB	CAB-CBB-CGB-O2B
32	M9	304	PUB	CAC-CBC-CGC-O2C
33	CC	1001	CYC	CAA-CBA-CGA-O1A
33	KD	202	CYC	CAA-CBA-CGA-O2A
33	DE	1001	CYC	CAD-CBD-CGD-O2D
33	L2	1001	CYC	CAD-CBD-CGD-O2D
33	C2	1001	CYC	CAA-CBA-CGA-O1A
33	V3	1001	CYC	CAD-CBD-CGD-O2D
31	DA	202	PEB	CAC-CBC-CGC-O2C
31	KA	304	PEB	CAC-CBC-CGC-O2C
31	LA	201	PEB	CAC-CBC-CGC-O1C
31	MA	202	PEB	CAB-CBB-CGB-O1B
31	NA	202	PEB	CAC-CBC-CGC-O2C
31	NA	202	PEB	CAB-CBB-CGB-O2B
31	QA	201	PEB	CAC-CBC-CGC-O1C
31	TA	201	PEB	CAC-CBC-CGC-O2C
31	VA	202	PEB	CAC-CBC-CGC-O2C
31	RD	202	PEB	CAC-CBC-CGC-O1C
31	SD	202	PEB	CAB-CBB-CGB-O1B
31	UD	202	PEB	CAC-CBC-CGC-O2C
31	VD	202	PEB	CAB-CBB-CGB-O2B
31	YD	201	PEB	CAC-CBC-CGC-O1C
31	DE	1002	PEB	CAC-CBC-CGC-O2C
31	PE	201	PEB	CAC-CBC-CGC-O2C
31	VE	202	PEB	CAB-CBB-CGB-O2B
31	ZE	203	PEB	CAC-CBC-CGC-O2C
31	ZE	203	PEB	CAB-CBB-CGB-O2B
31	AF	202	PEB	CAC-CBC-CGC-O2C
31	DF	201	PEB	CAB-CBB-CGB-O1B
31	HF	202	PEB	CAC-CBC-CGC-O2C
31	IF	201	PEB	CAC-CBC-CGC-O1C
31	XF	203	PEB	CAC-CBC-CGC-O1C
31	EG	201	PEB	CAB-CBB-CGB-O2B
31	HG	202	PEB	CAB-CBB-CGB-O2B
31	ZG	401	PEB	CAC-CBC-CGC-O2C
31	EH	203	PEB	CAC-CBC-CGC-O1C
31	IH	203	PEB	CAB-CBB-CGB-O2B
31	JH	201	PEB	CAC-CBC-CGC-O1C
31	RH	202	PEB	CAB-CBB-CGB-O1B
31	BI	202	PEB	CAC-CBC-CGC-O1C
31	SI	203	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	YI	202	PEB	CAC-CBC-CGC-O2C
31	BJ	202	PEB	CAC-CBC-CGC-O1C
31	RJ	202	PEB	CAC-CBC-CGC-O2C
31	TJ	203	PEB	CAB-CBB-CGB-O1B
31	UJ	201	PEB	CAC-CBC-CGC-O1C
31	KK	202	PEB	CAC-CBC-CGC-O1C
31	TK	201	PEB	CAC-CBC-CGC-O2C
31	YK	301	PEB	CAC-CBC-CGC-O2C
31	F1	202	PEB	CAC-CBC-CGC-O2C
31	K1	202	PEB	CAC-CBC-CGC-O1C
31	M1	201	PEB	CAB-CBB-CGB-O1B
31	R1	201	PEB	CAB-CBB-CGB-O2B
31	T1	201	PEB	CAC-CBC-CGC-O2C
31	X1	203	PEB	CAC-CBC-CGC-O2C
31	Y1	301	PEB	CAC-CBC-CGC-O2C
31	i2	201	PEB	CAC-CBC-CGC-O2C
31	a2	201	PEB	CAC-CBC-CGC-O1C
31	D4	201	PEB	CAB-CBB-CGB-O2B
31	G4	202	PEB	CAB-CBB-CGB-O2B
31	Q4	201	PEB	CAC-CBC-CGC-O2C
31	S4	202	PEB	CAB-CBB-CGB-O1B
31	U4	201	PEB	CAC-CBC-CGC-O1C
31	X4	202	PEB	CAB-CBB-CGB-O1B
31	R5	202	PEB	CAC-CBC-CGC-O2C
31	R5	203	PEB	CAC-CBC-CGC-O1C
31	T5	202	PEB	CAC-CBC-CGC-O2C
31	T5	203	PEB	CAB-CBB-CGB-O1B
31	U5	202	PEB	CAB-CBB-CGB-O2B
31	d5	401	PEB	CAC-CBC-CGC-O1C
31	B5	202	PEB	CAC-CBC-CGC-O1C
31	G5	202	PEB	CAB-CBB-CGB-O2B
31	m6	201	PEB	CAB-CBB-CGB-O1B
31	M7	202	PEB	CAC-CBC-CGC-O2C
31	Q7	203	PEB	CAC-CBC-CGC-O2C
31	U7	202	PEB	CAC-CBC-CGC-O1C
31	X8	203	PEB	CAC-CBC-CGC-O1C
31	D8	201	PEB	CAB-CBB-CGB-O1B
31	D8	202	PEB	CAC-CBC-CGC-O2C
31	D8	203	PEB	CAB-CBB-CGB-O1B
31	I8	202	PEB	CAC-CBC-CGC-O1C
31	L8	202	PEB	CAC-CBC-CGC-O2C
31	d8	202	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	h8	201	PEB	CAC-CBC-CGC-O1C
31	l8	202	PEB	CAC-CBC-CGC-O1C
31	n8	201	PEB	CAC-CBC-CGC-O2C
31	o8	203	PEB	CAB-CBB-CGB-O1B
31	r8	201	PEB	CAC-CBC-CGC-O2C
31	H9	201	PEB	CAC-CBC-CGC-O1C
31	Q9	203	PEB	CAB-CBB-CGB-O1B
31	U9	203	PEB	CAB-CBB-CGB-O1B
31	Z9	303	PEB	CAB-CBB-CGB-O2B
31	iC	201	PEB	CAC-CBC-CGC-O2C
31	aC	201	PEB	CAC-CBC-CGC-O1C
31	cE	201	PEB	CAC-CBC-CGC-O2C
31	dE	204	PEB	CAC-CBC-CGC-O2C
31	jE	202	PEB	CAC-CBC-CGC-O2C
31	dF	202	PEB	CAC-CBC-CGC-O2C
31	kF	202	PEB	CAC-CBC-CGC-O2C
31	kF	202	PEB	CAB-CBB-CGB-O2B
31	nF	201	PEB	CAC-CBC-CGC-O2C
31	yF	301	PEB	CAC-CBC-CGC-O2C
31	gH	201	PEB	CAC-CBC-CGC-O1C
31	mH	202	PEB	CAC-CBC-CGC-O1C
32	AD	303	PUB	CAC-CBC-CGC-O2C
32	Z9	304	PUB	CAC-CBC-CGC-O2C
33	CC	1001	CYC	CAA-CBA-CGA-O2A
33	EC	1001	CYC	CAA-CBA-CGA-O1A
33	KC	201	CYC	CAA-CBA-CGA-O2A
33	NC	1001	CYC	CAA-CBA-CGA-O1A
33	DD	1001	CYC	CAD-CBD-CGD-O2D
33	N2	1001	CYC	CAA-CBA-CGA-O1A
33	N2	1001	CYC	CAA-CBA-CGA-O2A
33	W3	1001	CYC	CAA-CBA-CGA-O2A
31	BA	202	PEB	CAB-CBB-CGB-O2B
31	CA	201	PEB	CAC-CBC-CGC-O1C
31	IA	201	PEB	CAC-CBC-CGC-O1C
31	VA	201	PEB	CAC-CBC-CGC-O1C
31	XA	202	PEB	CAB-CBB-CGB-O1B
31	PB	202	PEB	CAB-CBB-CGB-O2B
31	QB	202	PEB	CAB-CBB-CGB-O2B
31	RB	202	PEB	CAB-CBB-CGB-O2B
31	SB	201	PEB	CAB-CBB-CGB-O1B
31	QC	203	PEB	CAB-CBB-CGB-O2B
31	PD	201	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	YD	202	PEB	CAC-CBC-CGC-O1C
31	ZD	203	PEB	CAB-CBB-CGB-O2B
31	PE	201	PEB	CAC-CBC-CGC-O1C
31	UE	202	PEB	CAC-CBC-CGC-O2C
31	YE	201	PEB	CAC-CBC-CGC-O1C
31	LF	202	PEB	CAC-CBC-CGC-O2C
31	BG	202	PEB	CAC-CBC-CGC-O2C
31	IG	202	PEB	CAC-CBC-CGC-O2C
31	LG	201	PEB	CAB-CBB-CGB-O2B
31	OG	201	PEB	CAB-CBB-CGB-O2B
31	PG	202	PEB	CAC-CBC-CGC-O2C
31	RG	202	PEB	CAC-CBC-CGC-O2C
31	SG	201	PEB	CAB-CBB-CGB-O2B
31	TG	203	PEB	CAC-CBC-CGC-O2C
31	EH	201	PEB	CAC-CBC-CGC-O1C
31	FH	202	PEB	CAB-CBB-CGB-O2B
31	GH	202	PEB	CAB-CBB-CGB-O2B
31	KH	202	PEB	CAB-CBB-CGB-O2B
31	MH	201	PEB	CAC-CBC-CGC-O2C
31	TH	202	PEB	CAB-CBB-CGB-O2B
31	UH	203	PEB	CAC-CBC-CGC-O2C
31	AI	202	PEB	CAB-CBB-CGB-O1B
31	CI	202	PEB	CAB-CBB-CGB-O1B
31	DI	202	PEB	CAC-CBC-CGC-O2C
31	EI	202	PEB	CAB-CBB-CGB-O1B
31	GI	202	PEB	CAB-CBB-CGB-O1B
31	II	202	PEB	CAB-CBB-CGB-O1B
31	KI	202	PEB	CAB-CBB-CGB-O1B
31	NI	202	PEB	CAB-CBB-CGB-O1B
31	PI	202	PEB	CAB-CBB-CGB-O1B
31	RI	202	PEB	CAB-CBB-CGB-O1B
31	TI	202	PEB	CAB-CBB-CGB-O1B
31	VI	202	PEB	CAB-CBB-CGB-O1B
31	WI	203	PEB	CAB-CBB-CGB-O1B
31	XI	202	PEB	CAB-CBB-CGB-O1B
31	BJ	201	PEB	CAB-CBB-CGB-O2B
31	RJ	201	PEB	CAB-CBB-CGB-O2B
31	UJ	202	PEB	CAB-CBB-CGB-O2B
31	WJ	202	PEB	CAC-CBC-CGC-O1C
31	XJ	203	PEB	CAC-CBC-CGC-O2C
31	YJ	201	PEB	CAC-CBC-CGC-O2C
31	HK	203	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	OK	202	PEB	CAC-CBC-CGC-O2C
31	RK	201	PEB	CAB-CBB-CGB-O2B
31	SK	202	PEB	CAB-CBB-CGB-O2B
31	F1	202	PEB	CAB-CBB-CGB-O2B
31	O1	202	PEB	CAC-CBC-CGC-O2C
31	S1	202	PEB	CAB-CBB-CGB-O2B
31	Q2	203	PEB	CAB-CBB-CGB-O2B
31	R2	202	PEB	CAB-CBB-CGB-O2B
31	S2	202	PEB	CAB-CBB-CGB-O1B
31	g2	201	PEB	CAC-CBC-CGC-O2C
31	l2	201	PEB	CAC-CBC-CGC-O2C
31	l2	201	PEB	CAB-CBB-CGB-O1B
31	E4	203	PEB	CAB-CBB-CGB-O2B
31	L4	202	PEB	CAB-CBB-CGB-O1B
31	M4	201	PEB	CAC-CBC-CGC-O1C
31	U4	202	PEB	CAC-CBC-CGC-O1C
31	U4	203	PEB	CAB-CBB-CGB-O2B
31	a4	201	PEB	CAB-CBB-CGB-O2B
31	e4	201	PEB	CAB-CBB-CGB-O2B
31	R5	201	PEB	CAB-CBB-CGB-O2B
31	U5	201	PEB	CAC-CBC-CGC-O1C
31	B5	201	PEB	CAB-CBB-CGB-O2B
31	W5	202	PEB	CAC-CBC-CGC-O1C
31	X5	203	PEB	CAC-CBC-CGC-O2C
31	P6	202	PEB	CAB-CBB-CGB-O2B
31	S6	202	PEB	CAB-CBB-CGB-O1B
31	b6	201	PEB	CAC-CBC-CGC-O2C
31	f6	202	PEB	CAB-CBB-CGB-O2B
31	C7	203	PEB	CAC-CBC-CGC-O1C
31	E7	203	PEB	CAC-CBC-CGC-O2C
31	b7	503	PEB	CAB-CBB-CGB-O2B
31	R7	201	PEB	CAB-CBB-CGB-O2B
31	Y7	503	PEB	CAB-CBB-CGB-O2B
31	A8	202	PEB	CAC-CBC-CGC-O2C
31	B8	201	PEB	CAC-CBC-CGC-O1C
31	H8	202	PEB	CAC-CBC-CGC-O2C
31	I8	201	PEB	CAC-CBC-CGC-O2C
31	L8	202	PEB	CAC-CBC-CGC-O1C
31	h8	201	PEB	CAC-CBC-CGC-O2C
31	k8	202	PEB	CAB-CBB-CGB-O2B
31	m8	202	PEB	CAB-CBB-CGB-O2B
31	r8	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	r8	202	PEB	CAC-CBC-CGC-O2C
31	y8	301	PEB	CAB-CBB-CGB-O2B
31	D9	202	PEB	CAC-CBC-CGC-O2C
31	L9	203	PEB	CAB-CBB-CGB-O1B
31	M9	303	PEB	CAB-CBB-CGB-O2B
31	Q9	201	PEB	CAC-CBC-CGC-O2C
31	S9	202	PEB	CAC-CBC-CGC-O2C
31	S9	203	PEB	CAB-CBB-CGB-O1B
31	Y9	203	PEB	CAB-CBB-CGB-O1B
31	fB	202	PEB	CAB-CBB-CGB-O2B
31	jC	202	PEB	CAB-CBB-CGB-O2B
31	kC	203	PEB	CAC-CBC-CGC-O2C
31	kC	203	PEB	CAB-CBB-CGB-O1B
31	bD	201	PEB	CAC-CBC-CGC-O2C
31	dD	204	PEB	CAC-CBC-CGC-O2C
31	dD	204	PEB	CAB-CBB-CGB-O2B
31	gD	202	PEB	CAB-CBB-CGB-O2B
31	dE	202	PEB	CAB-CBB-CGB-O2B
31	dE	204	PEB	CAB-CBB-CGB-O2B
31	gE	202	PEB	CAB-CBB-CGB-O2B
31	hF	201	PEB	CAC-CBC-CGC-O1C
31	lF	202	PEB	CAC-CBC-CGC-O1C
31	mF	202	PEB	CAB-CBB-CGB-O2B
31	oF	203	PEB	CAB-CBB-CGB-O1B
31	rF	201	PEB	CAB-CBB-CGB-O1B
31	uF	202	PEB	CAB-CBB-CGB-O2B
31	wF	302	PEB	CAB-CBB-CGB-O2B
31	yF	301	PEB	CAB-CBB-CGB-O2B
31	dH	201	PEB	CAB-CBB-CGB-O2B
31	dJ	401	PEB	CAC-CBC-CGC-O1C
32	AH	304	PUB	CAC-CBC-CGC-O2C
32	A4	303	PUB	CAB-CBB-CGB-O2B
32	wF	304	PUB	CAB-CBB-CGB-O2B
32	xF	305	PUB	CAB-CBB-CGB-O2B
33	NC	1001	CYC	CAA-CBA-CGA-O2A
33	C2	1001	CYC	CAA-CBA-CGA-O2A
33	y3	1001	CYC	CAA-CBA-CGA-O2A
31	B1	201	PEB	C4B-C3B-CAB-CBB
32	y8	303	PUB	C4A-C3A-CAA-CBA
31	QA	202	PEB	C2C-CAC-CBC-CGC
31	XF	201	PEB	C2A-C3A-CAA-CBA
31	BG	201	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	KH	201	PEB	C2C-CAC-CBC-CGC
31	SH	202	PEB	C2C-CAC-CBC-CGC
31	KK	202	PEB	C2A-C3A-CAA-CBA
31	MK	201	PEB	C2C-CAC-CBC-CGC
31	K1	202	PEB	C2A-C3A-CAA-CBA
31	M1	201	PEB	C2C-CAC-CBC-CGC
31	m2	202	PEB	C2A-C3A-CAA-CBA
31	a4	201	PEB	C2A-C3A-CAA-CBA
31	a4	202	PEB	C2C-CAC-CBC-CGC
31	k4	202	PEB	C2C-CAC-CBC-CGC
31	m6	202	PEB	C2A-C3A-CAA-CBA
31	L7	201	PEB	C2A-C3A-CAA-CBA
31	S7	201	PEB	C2A-C3A-CAA-CBA
31	X8	201	PEB	C2A-C3A-CAA-CBA
31	h8	201	PEB	C2C-CAC-CBC-CGC
31	A9	202	PEB	C2C-CAC-CBC-CGC
31	C9	202	PEB	C2C-CAC-CBC-CGC
31	E9	202	PEB	C2C-CAC-CBC-CGC
31	G9	202	PEB	C2C-CAC-CBC-CGC
31	H9	201	PEB	C2A-C3A-CAA-CBA
31	I9	202	PEB	C2C-CAC-CBC-CGC
31	K9	202	PEB	C2C-CAC-CBC-CGC
31	N9	202	PEB	C2C-CAC-CBC-CGC
31	P9	202	PEB	C2C-CAC-CBC-CGC
31	R9	202	PEB	C2C-CAC-CBC-CGC
31	T9	202	PEB	C2C-CAC-CBC-CGC
31	V9	202	PEB	C2C-CAC-CBC-CGC
31	X9	202	PEB	C2C-CAC-CBC-CGC
31	mC	202	PEB	C2A-C3A-CAA-CBA
31	gD	201	PEB	C2A-C3A-CAA-CBA
31	hF	201	PEB	C2C-CAC-CBC-CGC
31	FA	201	PEB	CAC-CBC-CGC-O2C
31	GA	203	PEB	CAC-CBC-CGC-O1C
31	OA	201	PEB	CAC-CBC-CGC-O2C
31	RA	202	PEB	CAC-CBC-CGC-O1C
31	RA	202	PEB	CAC-CBC-CGC-O2C
31	AC	305	PEB	CAC-CBC-CGC-O2C
31	RC	201	PEB	CAB-CBB-CGB-O2B
31	SC	202	PEB	CAB-CBB-CGB-O1B
31	SC	202	PEB	CAB-CBB-CGB-O2B
31	VC	203	PEB	CAC-CBC-CGC-O1C
31	ZC	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	PD	201	PEB	CAC-CBC-CGC-O1C
31	RE	202	PEB	CAC-CBC-CGC-O1C
31	SE	202	PEB	CAB-CBB-CGB-O1B
31	YE	202	PEB	CAC-CBC-CGC-O1C
31	BF	201	PEB	CAC-CBC-CGC-O1C
31	CF	201	PEB	CAB-CBB-CGB-O1B
31	CF	203	PEB	CAB-CBB-CGB-O1B
31	DF	202	PEB	CAC-CBC-CGC-O1C
31	NF	201	PEB	CAC-CBC-CGC-O1C
31	AG	202	PEB	CAC-CBC-CGC-O2C
31	CG	202	PEB	CAC-CBC-CGC-O2C
31	EG	202	PEB	CAC-CBC-CGC-O2C
31	FG	202	PEB	CAB-CBB-CGB-O2B
31	GG	203	PEB	CAC-CBC-CGC-O2C
31	HG	201	PEB	CAB-CBB-CGB-O2B
31	KG	203	PEB	CAC-CBC-CGC-O2C
31	LG	202	PEB	CAB-CBB-CGB-O2B
31	XG	202	PEB	CAC-CBC-CGC-O2C
31	CH	202	PEB	CAB-CBB-CGB-O2B
31	NH	202	PEB	CAC-CBC-CGC-O2C
31	OH	201	PEB	CAC-CBC-CGC-O1C
31	PH	202	PEB	CAB-CBB-CGB-O1B
31	WH	202	PEB	CAC-CBC-CGC-O1C
31	YH	202	PEB	CAC-CBC-CGC-O1C
31	FI	203	PEB	CAB-CBB-CGB-O2B
31	OI	201	PEB	CAC-CBC-CGC-O2C
31	OI	201	PEB	CAB-CBB-CGB-O1B
31	QI	202	PEB	CAC-CBC-CGC-O2C
31	AJ	302	PEB	CAB-CBB-CGB-O2B
31	GJ	202	PEB	CAB-CBB-CGB-O1B
31	HJ	203	PEB	CAC-CBC-CGC-O1C
31	JJ	203	PEB	CAB-CBB-CGB-O1B
31	TJ	202	PEB	CAC-CBC-CGC-O2C
31	AK	201	PEB	CAB-CBB-CGB-O1B
31	A1	201	PEB	CAB-CBB-CGB-O1B
31	A1	202	PEB	CAC-CBC-CGC-O2C
31	F1	202	PEB	CAB-CBB-CGB-O1B
31	L1	203	PEB	CAC-CBC-CGC-O2C
31	S2	202	PEB	CAB-CBB-CGB-O2B
31	A2	305	PEB	CAC-CBC-CGC-O2C
31	V2	203	PEB	CAC-CBC-CGC-O1C
31	h2	202	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	b2	201	PEB	CAC-CBC-CGC-O1C
31	A4	302	PEB	CAB-CBB-CGB-O1B
31	E4	201	PEB	CAC-CBC-CGC-O1C
31	I4	202	PEB	CAC-CBC-CGC-O1C
31	J4	202	PEB	CAB-CBB-CGB-O2B
31	M4	203	PEB	CAB-CBB-CGB-O1B
31	V4	202	PEB	CAB-CBB-CGB-O1B
31	Y4	201	PEB	CAC-CBC-CGC-O1C
31	Z4	202	PEB	CAB-CBB-CGB-O2B
31	a4	201	PEB	CAB-CBB-CGB-O1B
31	h4	202	PEB	CAC-CBC-CGC-O1C
31	j4	203	PEB	CAC-CBC-CGC-O2C
31	k4	201	PEB	CAC-CBC-CGC-O1C
31	A5	302	PEB	CAB-CBB-CGB-O2B
31	G5	202	PEB	CAB-CBB-CGB-O1B
31	H5	203	PEB	CAC-CBC-CGC-O1C
31	Y5	201	PEB	CAC-CBC-CGC-O2C
31	R6	203	PEB	CAC-CBC-CGC-O2C
31	j6	201	PEB	CAC-CBC-CGC-O1C
31	j6	202	PEB	CAB-CBB-CGB-O2B
31	l6	202	PEB	CAC-CBC-CGC-O1C
31	d6	201	PEB	CAC-CBC-CGC-O2C
31	h6	201	PEB	CAC-CBC-CGC-O1C
31	A7	202	PEB	CAC-CBC-CGC-O2C
31	A7	203	PEB	CAC-CBC-CGC-O2C
31	D7	201	PEB	CAB-CBB-CGB-O2B
31	F7	201	PEB	CAB-CBB-CGB-O2B
31	M7	203	PEB	CAB-CBB-CGB-O2B
31	O7	203	PEB	CAC-CBC-CGC-O1C
31	Q7	202	PEB	CAC-CBC-CGC-O1C
31	Q7	202	PEB	CAC-CBC-CGC-O2C
31	Q7	202	PEB	CAB-CBB-CGB-O1B
31	C8	201	PEB	CAB-CBB-CGB-O1B
31	I8	201	PEB	CAC-CBC-CGC-O1C
31	N8	201	PEB	CAC-CBC-CGC-O1C
31	c8	202	PEB	CAC-CBC-CGC-O1C
31	j8	202	PEB	CAB-CBB-CGB-O1B
31	q8	201	PEB	CAC-CBC-CGC-O1C
31	s8	201	PEB	CAB-CBB-CGB-O2B
31	s8	203	PEB	CAC-CBC-CGC-O2C
31	u8	201	PEB	CAB-CBB-CGB-O2B
31	u8	202	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	v8	201	PEB	CAC-CBC-CGC-O2C
31	w8	302	PEB	CAB-CBB-CGB-O2B
31	C9	201	PEB	CAB-CBB-CGB-O2B
31	H9	202	PEB	CAC-CBC-CGC-O2C
31	H9	203	PEB	CAB-CBB-CGB-O1B
31	O9	201	PEB	CAC-CBC-CGC-O1C
31	P9	201	PEB	CAB-CBB-CGB-O2B
31	W9	203	PEB	CAC-CBC-CGC-O2C
31	bA	201	PEB	CAC-CBC-CGC-O2C
31	jB	201	PEB	CAC-CBC-CGC-O1C
31	jB	202	PEB	CAB-CBB-CGB-O2B
31	lB	201	PEB	CAC-CBC-CGC-O2C
31	lB	202	PEB	CAC-CBC-CGC-O1C
31	mB	201	PEB	CAB-CBB-CGB-O1B
31	aB	203	PEB	CAC-CBC-CGC-O2C
31	bB	201	PEB	CAC-CBC-CGC-O2C
31	dB	201	PEB	CAC-CBC-CGC-O2C
31	fB	201	PEB	CAC-CBC-CGC-O2C
31	hB	201	PEB	CAC-CBC-CGC-O1C
31	gC	201	PEB	CAC-CBC-CGC-O2C
31	dC	202	PEB	CAB-CBB-CGB-O1B
31	cD	201	PEB	CAC-CBC-CGC-O2C
31	hD	202	PEB	CAB-CBB-CGB-O2B
31	jD	202	PEB	CAC-CBC-CGC-O2C
31	lE	203	PEB	CAC-CBC-CGC-O2C
31	cF	201	PEB	CAB-CBB-CGB-O2B
31	jF	202	PEB	CAB-CBB-CGB-O1B
31	rF	201	PEB	CAC-CBC-CGC-O2C
31	vF	201	PEB	CAC-CBC-CGC-O2C
31	lH	202	PEB	CAC-CBC-CGC-O1C
32	AD	303	PUB	CAB-CBB-CGB-O1B
32	AE	303	PUB	CAC-CBC-CGC-O2C
32	AE	303	PUB	CAB-CBB-CGB-O1B
32	BH	302	PUB	CAB-CBB-CGB-O1B
32	B4	302	PUB	CAC-CBC-CGC-O2C
32	w8	304	PUB	CAB-CBB-CGB-O2B
32	x8	305	PUB	CAB-CBB-CGB-O2B
33	FC	1001	CYC	CAA-CBA-CGA-O2A
33	KC	201	CYC	CAA-CBA-CGA-O1A
33	MD	1001	CYC	CAA-CBA-CGA-O1A
33	ME	1001	CYC	CAA-CBA-CGA-O1A
33	E2	1001	CYC	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
33	E2	1001	CYC	CAA-CBA-CGA-O2A
33	A3	1001	CYC	CAA-CBA-CGA-O2A
33	E3	1001	CYC	CAA-CBA-CGA-O2A
33	G3	1001	CYC	CAA-CBA-CGA-O2A
33	N3	1001	CYC	CAA-CBA-CGA-O2A
33	i3	1001	CYC	CAA-CBA-CGA-O2A
33	v3	1001	CYC	CAA-CBA-CGA-O2A
32	yF	303	PUB	C4A-C3A-CAA-CBA
31	GA	202	PEB	CAB-CBB-CGB-O2B
31	SA	201	PEB	CAC-CBC-CGC-O1C
31	WA	401	PEB	CAB-CBB-CGB-O2B
31	WB	201	PEB	CAC-CBC-CGC-O1C
31	FF	201	PEB	CAB-CBB-CGB-O2B
31	VF	202	PEB	CAC-CBC-CGC-O2C
31	BG	203	PEB	CAB-CBB-CGB-O2B
31	LG	201	PEB	CAB-CBB-CGB-O1B
31	NG	202	PEB	CAC-CBC-CGC-O2C
31	OG	203	PEB	CAB-CBB-CGB-O2B
31	UG	201	PEB	CAB-CBB-CGB-O2B
31	VG	202	PEB	CAC-CBC-CGC-O2C
31	WG	203	PEB	CAB-CBB-CGB-O2B
31	EH	203	PEB	CAB-CBB-CGB-O2B
31	IH	203	PEB	CAC-CBC-CGC-O1C
31	BI	201	PEB	CAC-CBC-CGC-O1C
31	BI	202	PEB	CAC-CBC-CGC-O2C
31	DI	201	PEB	CAC-CBC-CGC-O2C
31	DI	203	PEB	CAB-CBB-CGB-O2B
31	HI	203	PEB	CAB-CBB-CGB-O2B
31	QI	202	PEB	CAC-CBC-CGC-O1C
31	NJ	203	PEB	CAB-CBB-CGB-O2B
31	TJ	201	PEB	CAC-CBC-CGC-O2C
31	DK	201	PEB	CAB-CBB-CGB-O2B
31	FK	202	PEB	CAB-CBB-CGB-O1B
31	LK	203	PEB	CAC-CBC-CGC-O1C
31	RK	203	PEB	CAC-CBC-CGC-O1C
31	D1	201	PEB	CAB-CBB-CGB-O2B
31	R1	203	PEB	CAC-CBC-CGC-O1C
31	R2	201	PEB	CAB-CBB-CGB-O2B
31	F2	1002	PEB	CAB-CBB-CGB-O2B
31	A4	302	PEB	CAC-CBC-CGC-O2C
31	F4	202	PEB	CAB-CBB-CGB-O2B
31	K4	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	V4	201	PEB	CAC-CBC-CGC-O2C
31	N5	203	PEB	CAB-CBB-CGB-O2B
31	J5	203	PEB	CAB-CBB-CGB-O1B
31	Q6	202	PEB	CAB-CBB-CGB-O2B
31	W6	201	PEB	CAC-CBC-CGC-O1C
31	Z6	202	PEB	CAC-CBC-CGC-O2C
31	l6	201	PEB	CAC-CBC-CGC-O2C
31	f6	201	PEB	CAC-CBC-CGC-O2C
31	A7	202	PEB	CAC-CBC-CGC-O1C
31	S7	203	PEB	CAC-CBC-CGC-O2C
31	T7	201	PEB	CAB-CBB-CGB-O2B
31	V8	202	PEB	CAC-CBC-CGC-O2C
31	C8	203	PEB	CAB-CBB-CGB-O1B
31	D8	202	PEB	CAC-CBC-CGC-O1C
31	F8	201	PEB	CAB-CBB-CGB-O2B
31	c8	201	PEB	CAB-CBB-CGB-O2B
31	Y9	203	PEB	CAC-CBC-CGC-O2C
31	bA	201	PEB	CAB-CBB-CGB-O2B
31	fB	202	PEB	CAB-CBB-CGB-O1B
31	hC	201	PEB	CAC-CBC-CGC-O1C
31	iD	201	PEB	CAC-CBC-CGC-O2C
31	iE	201	PEB	CAC-CBC-CGC-O2C
31	hF	201	PEB	CAC-CBC-CGC-O2C
31	qF	201	PEB	CAC-CBC-CGC-O1C
31	rF	201	PEB	CAC-CBC-CGC-O1C
31	rF	202	PEB	CAC-CBC-CGC-O2C
31	sF	201	PEB	CAB-CBB-CGB-O2B
31	sF	203	PEB	CAC-CBC-CGC-O2C
31	uF	203	PEB	CAC-CBC-CGC-O1C
31	gH	202	PEB	CAB-CBB-CGB-O2B
31	lH	201	PEB	CAC-CBC-CGC-O2C
33	EC	1001	CYC	CAA-CBA-CGA-O2A
33	LC	1001	CYC	CAA-CBA-CGA-O2A
33	HE	1001	CYC	CAD-CBD-CGD-O1D
33	L2	1001	CYC	CAA-CBA-CGA-O2A
33	F2	1001	CYC	CAA-CBA-CGA-O2A
33	K2	201	CYC	CAA-CBA-CGA-O1A
33	K3	1001	CYC	CAA-CBA-CGA-O2A
33	P3	1001	CYC	CAA-CBA-CGA-O2A
33	R3	1001	CYC	CAA-CBA-CGA-O2A
33	T3	1001	CYC	CAA-CBA-CGA-O2A
33	e3	1001	CYC	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
33	l3	1001	CYC	CAA-CBA-CGA-O2A
33	m3	1001	CYC	CAA-CBA-CGA-O2A
33	r3	1001	CYC	CAA-CBA-CGA-O2A
31	kF	203	PEB	C4D-C3D-CAD-CBD
31	GA	202	PEB	CAC-CBC-CGC-O2C
31	QA	201	PEB	CAC-CBC-CGC-O2C
31	VA	202	PEB	CAC-CBC-CGC-O1C
31	UB	201	PEB	CAC-CBC-CGC-O1C
31	UB	202	PEB	CAC-CBC-CGC-O1C
31	ZB	202	PEB	CAC-CBC-CGC-O2C
31	FC	1002	PEB	CAB-CBB-CGB-O2B
31	SC	202	PEB	CAC-CBC-CGC-O2C
31	WD	202	PEB	CAC-CBC-CGC-O1C
31	IF	202	PEB	CAC-CBC-CGC-O2C
31	OF	202	PEB	CAC-CBC-CGC-O2C
31	HG	203	PEB	CAC-CBC-CGC-O2C
31	JG	201	PEB	CAB-CBB-CGB-O2B
31	LG	201	PEB	CAC-CBC-CGC-O1C
31	MH	203	PEB	CAB-CBB-CGB-O2B
31	UH	201	PEB	CAB-CBB-CGB-O2B
31	ZH	202	PEB	CAB-CBB-CGB-O2B
31	OI	203	PEB	CAB-CBB-CGB-O2B
31	SI	203	PEB	CAB-CBB-CGB-O2B
31	FJ	202	PEB	CAB-CBB-CGB-O1B
31	AK	202	PEB	CAC-CBC-CGC-O2C
31	DK	203	PEB	CAC-CBC-CGC-O2C
31	GK	201	PEB	CAC-CBC-CGC-O1C
31	TK	202	PEB	CAC-CBC-CGC-O1C
31	D1	203	PEB	CAC-CBC-CGC-O2C
31	G1	201	PEB	CAC-CBC-CGC-O1C
31	T1	202	PEB	CAC-CBC-CGC-O1C
31	V1	201	PEB	CAC-CBC-CGC-O2C
31	e1	301	PEB	CAB-CBB-CGB-O1B
31	i2	201	PEB	CAB-CBB-CGB-O1B
31	l2	202	PEB	CAB-CBB-CGB-O2B
31	d2	203	PEB	CAB-CBB-CGB-O2B
31	X4	202	PEB	CAC-CBC-CGC-O2C
31	a4	204	PEB	CAB-CBB-CGB-O2B
31	d4	203	PEB	CAC-CBC-CGC-O2C
31	T5	201	PEB	CAC-CBC-CGC-O2C
31	d5	401	PEB	CAC-CBC-CGC-O2C
31	d6	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	f6	201	PEB	CAB-CBB-CGB-O2B
31	B7	201	PEB	CAB-CBB-CGB-O2B
31	K7	201	PEB	CAC-CBC-CGC-O1C
31	U7	203	PEB	CAB-CBB-CGB-O2B
31	I8	202	PEB	CAC-CBC-CGC-O2C
31	O8	202	PEB	CAC-CBC-CGC-O2C
31	a8	201	PEB	CAC-CBC-CGC-O2C
31	d8	201	PEB	CAB-CBB-CGB-O2B
31	f8	201	PEB	CAB-CBB-CGB-O2B
31	t8	202	PEB	CAC-CBC-CGC-O2C
31	O9	202	PEB	CAC-CBC-CGC-O2C
31	Q9	202	PEB	CAC-CBC-CGC-O2C
31	V9	201	PEB	CAB-CBB-CGB-O2B
31	X9	201	PEB	CAB-CBB-CGB-O2B
31	dB	202	PEB	CAB-CBB-CGB-O1B
31	fB	201	PEB	CAB-CBB-CGB-O2B
31	aC	201	PEB	CAC-CBC-CGC-O2C
31	bC	201	PEB	CAC-CBC-CGC-O1C
31	dC	203	PEB	CAB-CBB-CGB-O2B
31	eC	202	PEB	CAB-CBB-CGB-O2B
31	dD	204	PEB	CAB-CBB-CGB-O1B
31	dE	204	PEB	CAB-CBB-CGB-O1B
31	dF	201	PEB	CAB-CBB-CGB-O2B
31	fF	201	PEB	CAB-CBB-CGB-O2B
31	tF	202	PEB	CAC-CBC-CGC-O2C
31	mH	202	PEB	CAC-CBC-CGC-O2C
31	dJ	401	PEB	CAC-CBC-CGC-O2C
33	FC	1001	CYC	CAA-CBA-CGA-O1A
33	ED	1001	CYC	CAA-CBA-CGA-O2A
33	HD	1001	CYC	CAD-CBD-CGD-O1D
33	KE	202	CYC	CAA-CBA-CGA-O2A
33	F2	1001	CYC	CAA-CBA-CGA-O1A
33	C3	1001	CYC	CAA-CBA-CGA-O2A
33	J3	1001	CYC	CAA-CBA-CGA-O2A
33	W3	1001	CYC	CAA-CBA-CGA-O1A
33	c3	1001	CYC	CAA-CBA-CGA-O2A
33	g3	1001	CYC	CAA-CBA-CGA-O2A
33	p3	1001	CYC	CAA-CBA-CGA-O2A
33	t3	1001	CYC	CAA-CBA-CGA-O2A
33	y3	1001	CYC	CAA-CBA-CGA-O1A
31	RB	203	PEB	CAC-CBC-CGC-O2C
31	ZB	202	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	HC	1002	PEB	CAC-CBC-CGC-O2C
31	RD	201	PEB	CAB-CBB-CGB-O1B
31	RE	201	PEB	CAB-CBB-CGB-O1B
31	SE	203	PEB	CAB-CBB-CGB-O1B
31	WE	201	PEB	CAC-CBC-CGC-O1C
31	WE	202	PEB	CAC-CBC-CGC-O2C
31	MF	203	PEB	CAB-CBB-CGB-O2B
31	AG	202	PEB	CAB-CBB-CGB-O2B
31	CG	202	PEB	CAB-CBB-CGB-O2B
31	EG	202	PEB	CAB-CBB-CGB-O2B
31	GG	203	PEB	CAB-CBB-CGB-O2B
31	IG	202	PEB	CAB-CBB-CGB-O2B
31	KG	203	PEB	CAB-CBB-CGB-O2B
31	MG	401	PEB	CAB-CBB-CGB-O1B
31	NG	202	PEB	CAB-CBB-CGB-O2B
31	PG	202	PEB	CAB-CBB-CGB-O2B
31	RG	202	PEB	CAB-CBB-CGB-O2B
31	TG	203	PEB	CAB-CBB-CGB-O2B
31	VG	202	PEB	CAB-CBB-CGB-O2B
31	XG	202	PEB	CAB-CBB-CGB-O2B
31	HH	202	PEB	CAB-CBB-CGB-O2B
31	QH	204	PEB	CAB-CBB-CGB-O2B
31	JI	203	PEB	CAB-CBB-CGB-O2B
31	UI	203	PEB	CAB-CBB-CGB-O2B
31	BJ	202	PEB	CAB-CBB-CGB-O1B
31	NK	203	PEB	CAC-CBC-CGC-O2C
31	VK	201	PEB	CAC-CBC-CGC-O2C
31	N1	203	PEB	CAC-CBC-CGC-O2C
31	H2	1002	PEB	CAC-CBC-CGC-O2C
31	Z2	201	PEB	CAB-CBB-CGB-O1B
31	e2	202	PEB	CAB-CBB-CGB-O2B
31	C4	203	PEB	CAC-CBC-CGC-O1C
31	D4	202	PEB	CAB-CBB-CGB-O2B
31	K4	203	PEB	CAC-CBC-CGC-O1C
31	N4	202	PEB	CAB-CBB-CGB-O2B
31	e4	201	PEB	CAC-CBC-CGC-O1C
31	e4	202	PEB	CAC-CBC-CGC-O2C
31	B5	202	PEB	CAB-CBB-CGB-O1B
31	F5	202	PEB	CAB-CBB-CGB-O1B
31	K5	202	PEB	CAC-CBC-CGC-O2C
31	U6	201	PEB	CAC-CBC-CGC-O1C
31	U6	202	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	a6	203	PEB	CAC-CBC-CGC-O2C
31	C7	203	PEB	CAC-CBC-CGC-O2C
31	E7	203	PEB	CAB-CBB-CGB-O2B
31	L7	201	PEB	CAB-CBB-CGB-O2B
31	b7	502	PEB	CAC-CBC-CGC-O2C
31	W8	201	PEB	CAC-CBC-CGC-O1C
31	M8	203	PEB	CAB-CBB-CGB-O2B
31	O8	201	PEB	CAC-CBC-CGC-O1C
31	l8	203	PEB	CAC-CBC-CGC-O1C
31	A9	201	PEB	CAB-CBB-CGB-O2B
31	D9	201	PEB	CAC-CBC-CGC-O2C
31	E9	201	PEB	CAB-CBB-CGB-O2B
31	F9	202	PEB	CAC-CBC-CGC-O2C
31	G9	201	PEB	CAB-CBB-CGB-O2B
31	I9	201	PEB	CAB-CBB-CGB-O2B
31	K9	201	PEB	CAB-CBB-CGB-O2B
31	N9	201	PEB	CAB-CBB-CGB-O2B
31	R9	201	PEB	CAB-CBB-CGB-O2B
31	T9	201	PEB	CAB-CBB-CGB-O2B
31	iC	201	PEB	CAB-CBB-CGB-O1B
31	eC	201	PEB	CAC-CBC-CGC-O2C
31	jD	201	PEB	CAC-CBC-CGC-O1C
31	lD	203	PEB	CAC-CBC-CGC-O2C
31	mD	201	PEB	CAC-CBC-CGC-O2C
31	mD	203	PEB	CAB-CBB-CGB-O2B
31	jE	201	PEB	CAC-CBC-CGC-O1C
31	mE	201	PEB	CAC-CBC-CGC-O2C
31	mE	203	PEB	CAB-CBB-CGB-O2B
31	cF	201	PEB	CAC-CBC-CGC-O1C
31	lF	203	PEB	CAC-CBC-CGC-O1C
31	iH	201	PEB	CAB-CBB-CGB-O2B
33	FB	1001	CYC	CAA-CBA-CGA-O2A
33	BD	1001	CYC	CAD-CBD-CGD-O1D
33	GD	201	CYC	CAA-CBA-CGA-O2A
33	F6	1001	CYC	CAA-CBA-CGA-O2A
31	OC	203	PEB	C4A-C3A-CAA-CBA
31	UC	203	PEB	C4A-C3A-CAA-CBA
31	LD	1002	PEB	C4A-C3A-CAA-CBA
31	UD	202	PEB	C4A-C3A-CAA-CBA
31	LE	1002	PEB	C4A-C3A-CAA-CBA
31	UE	202	PEB	C4A-C3A-CAA-CBA
31	JF	201	PEB	C4A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	UF	202	PEB	C4A-C3A-CAA-CBA
31	WF	203	PEB	C4A-C3A-CAA-CBA
31	XF	201	PEB	C4A-C3A-CAA-CBA
31	AJ	304	PEB	C4A-C3A-CAA-CBA
31	BK	203	PEB	C4A-C3A-CAA-CBA
31	XK	203	PEB	C4A-C3A-CAA-CBA
31	YK	301	PEB	C4A-C3A-CAA-CBA
31	B1	203	PEB	C4A-C3A-CAA-CBA
31	X1	203	PEB	C4A-C3A-CAA-CBA
31	Y1	301	PEB	C4A-C3A-CAA-CBA
31	O2	203	PEB	C4A-C3A-CAA-CBA
31	U2	203	PEB	C4A-C3A-CAA-CBA
31	f2	203	PEB	C4A-C3A-CAA-CBA
31	g2	201	PEB	C4A-C3A-CAA-CBA
31	j2	203	PEB	C4A-C3A-CAA-CBA
31	l2	203	PEB	C4A-C3A-CAA-CBA
31	B4	301	PEB	C4A-C3A-CAA-CBA
31	A5	304	PEB	C4A-C3A-CAA-CBA
31	W8	203	PEB	C4A-C3A-CAA-CBA
31	J8	201	PEB	C4A-C3A-CAA-CBA
31	U8	202	PEB	C4A-C3A-CAA-CBA
31	s8	203	PEB	C4A-C3A-CAA-CBA
31	A9	201	PEB	C4A-C3A-CAA-CBA
31	C9	201	PEB	C4A-C3A-CAA-CBA
31	E9	201	PEB	C4A-C3A-CAA-CBA
31	G9	201	PEB	C4A-C3A-CAA-CBA
31	I9	201	PEB	C4A-C3A-CAA-CBA
31	K9	201	PEB	C4A-C3A-CAA-CBA
31	N9	201	PEB	C4A-C3A-CAA-CBA
31	P9	201	PEB	C4A-C3A-CAA-CBA
31	R9	201	PEB	C4A-C3A-CAA-CBA
31	T9	201	PEB	C4A-C3A-CAA-CBA
31	V9	201	PEB	C4A-C3A-CAA-CBA
31	X9	201	PEB	C4A-C3A-CAA-CBA
31	gA	201	PEB	C4A-C3A-CAA-CBA
31	fC	203	PEB	C4A-C3A-CAA-CBA
31	gC	201	PEB	C4A-C3A-CAA-CBA
31	jC	203	PEB	C4A-C3A-CAA-CBA
31	lC	202	PEB	C4A-C3A-CAA-CBA
31	sF	203	PEB	C4A-C3A-CAA-CBA
31	IA	201	PEB	C3B-CAB-CBB-CGB
31	SD	201	PEB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
31	SE	201	PEB	C3B-CAB-CBB-CGB
31	SG	202	PEB	C3B-CAB-CBB-CGB
31	WH	202	PEB	C3B-CAB-CBB-CGB
31	WH	203	PEB	C3B-CAB-CBB-CGB
31	X5	202	PEB	C3B-CAB-CBB-CGB
31	s8	203	PEB	C3B-CAB-CBB-CGB
31	v8	202	PEB	C3B-CAB-CBB-CGB
31	A9	202	PEB	C3B-CAB-CBB-CGB
31	C9	202	PEB	C3B-CAB-CBB-CGB
31	E9	202	PEB	C3B-CAB-CBB-CGB
31	G9	202	PEB	C3B-CAB-CBB-CGB
31	I9	202	PEB	C3B-CAB-CBB-CGB
31	K9	202	PEB	C3B-CAB-CBB-CGB
31	N9	202	PEB	C3B-CAB-CBB-CGB
31	P9	202	PEB	C3B-CAB-CBB-CGB
31	R9	202	PEB	C3B-CAB-CBB-CGB
31	T9	202	PEB	C3B-CAB-CBB-CGB
31	V9	202	PEB	C3B-CAB-CBB-CGB
31	X9	202	PEB	C3B-CAB-CBB-CGB
31	iD	201	PEB	C3B-CAB-CBB-CGB
31	dE	201	PEB	C3B-CAB-CBB-CGB
31	iE	201	PEB	C3B-CAB-CBB-CGB
31	sF	203	PEB	C3B-CAB-CBB-CGB
31	vF	202	PEB	C3B-CAB-CBB-CGB
31	SA	203	PEB	CAB-CBB-CGB-O2B
31	OB	202	PEB	CAB-CBB-CGB-O1B
31	SD	202	PEB	CAC-CBC-CGC-O2C
31	WD	201	PEB	CAC-CBC-CGC-O2C
31	SE	202	PEB	CAC-CBC-CGC-O2C
31	BF	202	PEB	CAC-CBC-CGC-O2C
31	RF	201	PEB	CAB-CBB-CGB-O2B
31	TF	201	PEB	CAC-CBC-CGC-O2C
31	WF	201	PEB	CAC-CBC-CGC-O1C
31	XF	201	PEB	CAB-CBB-CGB-O2B
31	XF	203	PEB	CAC-CBC-CGC-O2C
31	BG	201	PEB	CAC-CBC-CGC-O1C
31	UG	201	PEB	CAC-CBC-CGC-O2C
31	AH	301	PEB	CAC-CBC-CGC-O1C
31	RH	202	PEB	CAB-CBB-CGB-O2B
31	VH	202	PEB	CAB-CBB-CGB-O2B
31	KJ	202	PEB	CAC-CBC-CGC-O2C
31	NJ	204	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	NJ	204	PEB	CAB-CBB-CGB-O2B
31	OJ	201	PEB	CAB-CBB-CGB-O1B
31	RJ	202	PEB	CAC-CBC-CGC-O1C
31	UJ	201	PEB	CAB-CBB-CGB-O2B
31	MK	201	PEB	CAB-CBB-CGB-O2B
31	XK	201	PEB	CAC-CBC-CGC-O2C
31	L1	203	PEB	CAC-CBC-CGC-O1C
31	S2	202	PEB	CAC-CBC-CGC-O2C
31	g2	202	PEB	CAB-CBB-CGB-O2B
31	e2	201	PEB	CAC-CBC-CGC-O2C
31	P4	201	PEB	CAC-CBC-CGC-O2C
31	a4	203	PEB	CAB-CBB-CGB-O1B
31	g4	202	PEB	CAB-CBB-CGB-O2B
31	O5	201	PEB	CAB-CBB-CGB-O1B
31	U5	201	PEB	CAB-CBB-CGB-O2B
31	O6	202	PEB	CAB-CBB-CGB-O1B
31	e6	202	PEB	CAB-CBB-CGB-O1B
31	f6	202	PEB	CAB-CBB-CGB-O1B
31	B7	201	PEB	CAC-CBC-CGC-O1C
31	J7	201	PEB	CAB-CBB-CGB-O2B
31	X8	203	PEB	CAC-CBC-CGC-O2C
31	F8	202	PEB	CAC-CBC-CGC-O2C
31	R8	201	PEB	CAB-CBB-CGB-O2B
31	T8	201	PEB	CAC-CBC-CGC-O2C
31	c8	201	PEB	CAC-CBC-CGC-O1C
31	r8	201	PEB	CAC-CBC-CGC-O1C
31	s8	201	PEB	CAC-CBC-CGC-O2C
31	L9	202	PEB	CAC-CBC-CGC-O2C
31	eB	202	PEB	CAB-CBB-CGB-O1B
31	gC	202	PEB	CAB-CBB-CGB-O2B
31	lC	201	PEB	CAB-CBB-CGB-O2B
31	bD	201	PEB	CAC-CBC-CGC-O1C
31	aF	201	PEB	CAC-CBC-CGC-O2C
31	nF	201	PEB	CAB-CBB-CGB-O2B
31	vF	201	PEB	CAC-CBC-CGC-O1C
33	JC	1003	CYC	CAD-CBD-CGD-O1D
33	BE	1001	CYC	CAD-CBD-CGD-O1D
33	EE	1001	CYC	CAA-CBA-CGA-O2A
33	GE	201	CYC	CAA-CBA-CGA-O2A
31	HA	203	PEB	CAC-CBC-CGC-O2C
31	NA	201	PEB	CAB-CBB-CGB-O2B
31	PC	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	OD	203	PEB	CAC-CBC-CGC-O2C
31	OE	203	PEB	CAC-CBC-CGC-O2C
31	FF	202	PEB	CAC-CBC-CGC-O2C
31	LF	201	PEB	CAB-CBB-CGB-O2B
31	LF	202	PEB	CAB-CBB-CGB-O2B
31	UF	202	PEB	CAB-CBB-CGB-O2B
31	VF	201	PEB	CAC-CBC-CGC-O2C
31	YF	202	PEB	CAC-CBC-CGC-O2C
31	IG	203	PEB	CAB-CBB-CGB-O2B
31	JH	201	PEB	CAC-CBC-CGC-O2C
31	BI	203	PEB	CAB-CBB-CGB-O2B
31	UI	202	PEB	CAC-CBC-CGC-O2C
31	WI	201	PEB	CAB-CBB-CGB-O2B
31	WI	203	PEB	CAB-CBB-CGB-O2B
31	WK	201	PEB	CAC-CBC-CGC-O2C
31	M1	201	PEB	CAB-CBB-CGB-O2B
31	U1	202	PEB	CAB-CBB-CGB-O1B
31	X1	201	PEB	CAC-CBC-CGC-O2C
31	P2	202	PEB	CAB-CBB-CGB-O2B
31	a2	201	PEB	CAC-CBC-CGC-O2C
31	d2	201	PEB	CAC-CBC-CGC-O2C
31	E4	202	PEB	CAC-CBC-CGC-O1C
31	H4	201	PEB	CAC-CBC-CGC-O2C
31	W4	202	PEB	CAC-CBC-CGC-O2C
31	X4	202	PEB	CAB-CBB-CGB-O2B
31	k4	201	PEB	CAC-CBC-CGC-O2C
31	l4	201	PEB	CAB-CBB-CGB-O2B
31	N5	204	PEB	CAB-CBB-CGB-O2B
31	R5	202	PEB	CAC-CBC-CGC-O1C
31	N6	1002	PEB	CAB-CBB-CGB-O2B
31	O6	201	PEB	CAC-CBC-CGC-O2C
31	S7	201	PEB	CAC-CBC-CGC-O2C
31	X8	201	PEB	CAB-CBB-CGB-O2B
31	B8	202	PEB	CAC-CBC-CGC-O2C
31	J8	201	PEB	CAB-CBB-CGB-O2B
31	U8	202	PEB	CAB-CBB-CGB-O2B
31	e8	202	PEB	CAC-CBC-CGC-O2C
31	g8	203	PEB	CAC-CBC-CGC-O2C
31	n8	202	PEB	CAB-CBB-CGB-O2B
31	v8	201	PEB	CAC-CBC-CGC-O1C
31	A9	202	PEB	CAC-CBC-CGC-O2C
31	A9	202	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	B9	203	PEB	CAB-CBB-CGB-O1B
31	C9	202	PEB	CAC-CBC-CGC-O2C
31	C9	202	PEB	CAB-CBB-CGB-O2B
31	E9	202	PEB	CAC-CBC-CGC-O2C
31	E9	202	PEB	CAB-CBB-CGB-O2B
31	G9	202	PEB	CAC-CBC-CGC-O2C
31	G9	202	PEB	CAB-CBB-CGB-O2B
31	I9	202	PEB	CAC-CBC-CGC-O2C
31	I9	202	PEB	CAB-CBB-CGB-O2B
31	K9	202	PEB	CAC-CBC-CGC-O2C
31	K9	202	PEB	CAB-CBB-CGB-O2B
31	M9	303	PEB	CAC-CBC-CGC-O1C
31	N9	202	PEB	CAC-CBC-CGC-O2C
31	N9	202	PEB	CAB-CBB-CGB-O2B
31	P9	202	PEB	CAC-CBC-CGC-O2C
31	P9	202	PEB	CAB-CBB-CGB-O2B
31	R9	202	PEB	CAC-CBC-CGC-O2C
31	R9	202	PEB	CAB-CBB-CGB-O2B
31	T9	202	PEB	CAC-CBC-CGC-O2C
31	T9	202	PEB	CAB-CBB-CGB-O2B
31	V9	202	PEB	CAC-CBC-CGC-O2C
31	V9	202	PEB	CAB-CBB-CGB-O2B
31	W9	202	PEB	CAC-CBC-CGC-O2C
31	X9	202	PEB	CAC-CBC-CGC-O2C
31	X9	202	PEB	CAB-CBB-CGB-O2B
31	Y9	202	PEB	CAC-CBC-CGC-O2C
31	Z9	303	PEB	CAC-CBC-CGC-O1C
31	bA	201	PEB	CAC-CBC-CGC-O1C
31	dA	202	PEB	CAC-CBC-CGC-O2C
31	hB	202	PEB	CAB-CBB-CGB-O2B
31	kD	202	PEB	CAB-CBB-CGB-O2B
31	eF	202	PEB	CAC-CBC-CGC-O2C
31	nF	202	PEB	CAB-CBB-CGB-O2B
31	sF	201	PEB	CAC-CBC-CGC-O2C
31	gH	201	PEB	CAC-CBC-CGC-O2C
33	LC	1003	CYC	CAA-CBA-CGA-O2A
33	M2	201	CYC	CAD-CBD-CGD-O1D
33	H6	1001	CYC	CAA-CBA-CGA-O2A
31	BA	202	PEB	CAC-CBC-CGC-O2C
31	HA	201	PEB	CAC-CBC-CGC-O2C
31	PA	201	PEB	CAB-CBB-CGB-O2B
31	DB	1002	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	NB	1002	PEB	CAB-CBB-CGB-O2B
31	OB	201	PEB	CAC-CBC-CGC-O2C
31	QB	202	PEB	CAB-CBB-CGB-O1B
31	WC	202	PEB	CAC-CBC-CGC-O2C
31	JF	201	PEB	CAB-CBB-CGB-O2B
31	OF	201	PEB	CAC-CBC-CGC-O1C
31	VF	201	PEB	CAC-CBC-CGC-O1C
31	VF	202	PEB	CAC-CBC-CGC-O1C
31	XF	203	PEB	CAB-CBB-CGB-O2B
31	AG	201	PEB	CAB-CBB-CGB-O1B
31	CG	201	PEB	CAB-CBB-CGB-O1B
31	EG	201	PEB	CAB-CBB-CGB-O1B
31	GG	202	PEB	CAB-CBB-CGB-O1B
31	IG	201	PEB	CAB-CBB-CGB-O1B
31	KG	202	PEB	CAB-CBB-CGB-O1B
31	NG	201	PEB	CAB-CBB-CGB-O1B
31	PG	201	PEB	CAB-CBB-CGB-O1B
31	RG	201	PEB	CAB-CBB-CGB-O1B
31	TG	202	PEB	CAB-CBB-CGB-O1B
31	UG	202	PEB	CAB-CBB-CGB-O2B
31	VG	201	PEB	CAB-CBB-CGB-O1B
31	XG	201	PEB	CAB-CBB-CGB-O1B
31	MI	301	PEB	CAC-CBC-CGC-O2C
31	CJ	201	PEB	CAB-CBB-CGB-O2B
31	DK	201	PEB	CAB-CBB-CGB-O1B
31	VK	201	PEB	CAB-CBB-CGB-O2B
31	D1	201	PEB	CAB-CBB-CGB-O1B
31	M1	202	PEB	CAB-CBB-CGB-O2B
31	V1	201	PEB	CAB-CBB-CGB-O2B
31	W1	201	PEB	CAC-CBC-CGC-O2C
31	W2	202	PEB	CAC-CBC-CGC-O2C
31	j2	201	PEB	CAB-CBB-CGB-O2B
31	G4	203	PEB	CAB-CBB-CGB-O2B
31	P4	202	PEB	CAB-CBB-CGB-O2B
31	S4	202	PEB	CAB-CBB-CGB-O2B
31	S4	203	PEB	CAB-CBB-CGB-O2B
31	f4	202	PEB	CAC-CBC-CGC-O2C
31	N5	204	PEB	CAC-CBC-CGC-O2C
31	d5	401	PEB	CAB-CBB-CGB-O2B
31	C5	201	PEB	CAB-CBB-CGB-O2B
31	P6	203	PEB	CAC-CBC-CGC-O2C
31	Z6	202	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	j6	202	PEB	CAB-CBB-CGB-O1B
31	d6	201	PEB	CAC-CBC-CGC-O1C
31	E7	202	PEB	CAC-CBC-CGC-O2C
31	T7	202	PEB	CAC-CBC-CGC-O1C
31	T7	202	PEB	CAC-CBC-CGC-O2C
31	U7	202	PEB	CAC-CBC-CGC-O2C
31	Y7	502	PEB	CAC-CBC-CGC-O2C
31	V8	201	PEB	CAC-CBC-CGC-O1C
31	V8	202	PEB	CAC-CBC-CGC-O1C
31	X8	203	PEB	CAB-CBB-CGB-O2B
31	Y8	202	PEB	CAC-CBC-CGC-O2C
31	L8	201	PEB	CAB-CBB-CGB-O2B
31	L8	202	PEB	CAB-CBB-CGB-O2B
31	R8	202	PEB	CAC-CBC-CGC-O2C
31	e8	201	PEB	CAC-CBC-CGC-O2C
31	n8	201	PEB	CAB-CBB-CGB-O2B
31	A9	202	PEB	CAC-CBC-CGC-O1C
31	E9	202	PEB	CAC-CBC-CGC-O1C
31	G9	202	PEB	CAC-CBC-CGC-O1C
31	K9	202	PEB	CAC-CBC-CGC-O1C
31	N9	202	PEB	CAC-CBC-CGC-O1C
31	P9	202	PEB	CAC-CBC-CGC-O1C
31	R9	202	PEB	CAC-CBC-CGC-O1C
31	T9	202	PEB	CAC-CBC-CGC-O1C
31	V9	202	PEB	CAC-CBC-CGC-O1C
31	Z9	301	PEB	CAC-CBC-CGC-O1C
31	cA	402	PEB	CAB-CBB-CGB-O2B
31	jB	202	PEB	CAB-CBB-CGB-O1B
31	dB	201	PEB	CAC-CBC-CGC-O1C
31	dC	201	PEB	CAC-CBC-CGC-O2C
31	eC	202	PEB	CAB-CBB-CGB-O1B
31	kE	201	PEB	CAC-CBC-CGC-O2C
31	kE	202	PEB	CAB-CBB-CGB-O2B
31	eF	201	PEB	CAC-CBC-CGC-O2C
31	gF	203	PEB	CAC-CBC-CGC-O2C
31	fH	202	PEB	CAB-CBB-CGB-O2B
33	HB	1001	CYC	CAA-CBA-CGA-O2A
33	DC	1003	CYC	CAA-CBA-CGA-O2A
33	D2	1003	CYC	CAA-CBA-CGA-O2A
33	I2	201	CYC	CAA-CBA-CGA-O2A
32	AC	304	PUB	C2D-C1D-CHC-C4C
32	A2	304	PUB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	HA	203	PEB	CAC-CBC-CGC-O1C
31	IA	203	PEB	CAB-CBB-CGB-O1B
31	AB	305	PEB	CAC-CBC-CGC-O1C
31	AC	301	PEB	CAB-CBB-CGB-O2B
31	WC	202	PEB	CAC-CBC-CGC-O1C
31	HD	1002	PEB	CAB-CBB-CGB-O2B
31	RF	202	PEB	CAC-CBC-CGC-O2C
31	UF	202	PEB	CAC-CBC-CGC-O2C
31	WF	202	PEB	CAB-CBB-CGB-O2B
31	WG	203	PEB	CAB-CBB-CGB-O1B
31	YG	201	PEB	CAC-CBC-CGC-O1C
31	DH	202	PEB	CAC-CBC-CGC-O2C
31	LH	202	PEB	CAB-CBB-CGB-O1B
31	MH	202	PEB	CAC-CBC-CGC-O1C
31	YI	203	PEB	CAB-CBB-CGB-O2B
31	MK	202	PEB	CAB-CBB-CGB-O2B
31	UK	202	PEB	CAB-CBB-CGB-O1B
31	Q2	203	PEB	CAB-CBB-CGB-O1B
31	U2	201	PEB	CAB-CBB-CGB-O1B
31	A2	301	PEB	CAB-CBB-CGB-O2B
31	c2	202	PEB	CAB-CBB-CGB-O2B
31	e2	201	PEB	CAC-CBC-CGC-O1C
31	e2	202	PEB	CAB-CBB-CGB-O1B
31	L4	202	PEB	CAB-CBB-CGB-O2B
31	T4	202	PEB	CAB-CBB-CGB-O2B
31	W4	202	PEB	CAB-CBB-CGB-O2B
31	a4	204	PEB	CAB-CBB-CGB-O1B
31	c4	202	PEB	CAB-CBB-CGB-O1B
31	A6	305	PEB	CAC-CBC-CGC-O1C
31	Q6	202	PEB	CAB-CBB-CGB-O1B
31	R6	202	PEB	CAB-CBB-CGB-O2B
31	h6	202	PEB	CAB-CBB-CGB-O2B
31	G7	203	PEB	CAC-CBC-CGC-O1C
31	V8	201	PEB	CAC-CBC-CGC-O2C
31	W8	202	PEB	CAB-CBB-CGB-O2B
31	C8	201	PEB	CAC-CBC-CGC-O1C
31	R8	201	PEB	CAC-CBC-CGC-O1C
31	S8	203	PEB	CAC-CBC-CGC-O2C
31	U8	202	PEB	CAC-CBC-CGC-O2C
31	C9	202	PEB	CAC-CBC-CGC-O1C
31	I9	202	PEB	CAC-CBC-CGC-O1C
31	M9	301	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	X9	202	PEB	CAC-CBC-CGC-O1C
31	jC	201	PEB	CAB-CBB-CGB-O2B
31	cC	202	PEB	CAB-CBB-CGB-O2B
31	eC	201	PEB	CAC-CBC-CGC-O1C
31	aH	203	PEB	CAB-CBB-CGB-O1B
31	cH	202	PEB	CAB-CBB-CGB-O2B
31	dJ	401	PEB	CAB-CBB-CGB-O2B
31	eK	301	PEB	CAC-CBC-CGC-O1C
32	A4	303	PUB	CAB-CBB-CGB-O1B
33	I2	201	CYC	CAA-CBA-CGA-O1A
31	DA	201	PEB	CAB-CBB-CGB-O1B
31	PB	201	PEB	CAB-CBB-CGB-O2B
31	UC	201	PEB	CAB-CBB-CGB-O1B
31	HE	1002	PEB	CAB-CBB-CGB-O2B
31	CF	201	PEB	CAC-CBC-CGC-O1C
31	CF	201	PEB	CAC-CBC-CGC-O2C
31	FF	201	PEB	CAB-CBB-CGB-O1B
31	GF	203	PEB	CAC-CBC-CGC-O2C
31	QF	202	PEB	CAC-CBC-CGC-O1C
31	RF	201	PEB	CAC-CBC-CGC-O1C
31	RF	201	PEB	CAC-CBC-CGC-O2C
31	SF	203	PEB	CAC-CBC-CGC-O1C
31	SF	203	PEB	CAC-CBC-CGC-O2C
31	YF	202	PEB	CAC-CBC-CGC-O1C
31	BG	201	PEB	CAB-CBB-CGB-O1B
31	WG	201	PEB	CAB-CBB-CGB-O2B
31	CH	202	PEB	CAB-CBB-CGB-O1B
31	MH	202	PEB	CAC-CBC-CGC-O2C
31	VH	201	PEB	CAC-CBC-CGC-O1C
31	VH	201	PEB	CAC-CBC-CGC-O2C
31	LI	203	PEB	CAB-CBB-CGB-O1B
31	LJ	203	PEB	CAB-CBB-CGB-O1B
31	NJ	204	PEB	CAC-CBC-CGC-O1C
31	NK	202	PEB	CAB-CBB-CGB-O1B
31	NK	202	PEB	CAB-CBB-CGB-O2B
31	QK	202	PEB	CAB-CBB-CGB-O1B
31	N1	202	PEB	CAB-CBB-CGB-O1B
31	P1	202	PEB	CAB-CBB-CGB-O1B
31	Q1	202	PEB	CAB-CBB-CGB-O1B
31	L2	1002	PEB	CAB-CBB-CGB-O1B
31	W2	202	PEB	CAC-CBC-CGC-O1C
31	c2	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	N4	201	PEB	CAC-CBC-CGC-O2C
31	l4	203	PEB	CAB-CBB-CGB-O1B
31	L5	203	PEB	CAB-CBB-CGB-O1B
31	N5	204	PEB	CAC-CBC-CGC-O1C
31	O6	201	PEB	CAC-CBC-CGC-O1C
31	D6	1002	PEB	CAB-CBB-CGB-O2B
31	G7	202	PEB	CAC-CBC-CGC-O2C
31	Y8	202	PEB	CAC-CBC-CGC-O1C
31	C8	201	PEB	CAC-CBC-CGC-O2C
31	G8	203	PEB	CAC-CBC-CGC-O1C
31	G8	203	PEB	CAC-CBC-CGC-O2C
31	R8	201	PEB	CAC-CBC-CGC-O2C
31	S8	203	PEB	CAC-CBC-CGC-O1C
31	U8	201	PEB	CAC-CBC-CGC-O1C
31	f8	201	PEB	CAB-CBB-CGB-O1B
31	m8	202	PEB	CAC-CBC-CGC-O2C
31	F9	201	PEB	CAC-CBC-CGC-O2C
31	W9	202	PEB	CAC-CBC-CGC-O1C
31	cC	202	PEB	CAB-CBB-CGB-O1B
31	hD	201	PEB	CAC-CBC-CGC-O1C
31	hE	201	PEB	CAC-CBC-CGC-O1C
31	mF	202	PEB	CAC-CBC-CGC-O2C
31	aH	201	PEB	CAB-CBB-CGB-O1B
31	aH	203	PEB	CAB-CBB-CGB-O2B
31	fH	202	PEB	CAC-CBC-CGC-O2C
32	MI	303	PUB	CAC-CBC-CGC-O1C
32	ZI	302	PUB	CAC-CBC-CGC-O1C
33	HB	1001	CYC	CAA-CBA-CGA-O1A
33	LC	1003	CYC	CAA-CBA-CGA-O1A
33	H6	1001	CYC	CAA-CBA-CGA-O1A
31	R6	202	PEB	C4B-C3B-CAB-CBB
31	F9	201	PEB	C4B-C3B-CAB-CBB
31	IA	203	PEB	CAB-CBB-CGB-O2B
31	OB	201	PEB	CAC-CBC-CGC-O1C
31	GF	203	PEB	CAC-CBC-CGC-O1C
31	LF	202	PEB	CAB-CBB-CGB-O1B
31	UF	201	PEB	CAC-CBC-CGC-O1C
31	UF	202	PEB	CAC-CBC-CGC-O1C
31	YF	201	PEB	CAC-CBC-CGC-O2C
31	PH	202	PEB	CAC-CBC-CGC-O1C
31	JJ	202	PEB	CAB-CBB-CGB-O1B
31	LJ	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	TJ	202	PEB	CAC-CBC-CGC-O1C
31	PK	202	PEB	CAB-CBB-CGB-O1B
31	QK	202	PEB	CAB-CBB-CGB-O2B
31	P1	202	PEB	CAB-CBB-CGB-O2B
31	Q1	202	PEB	CAB-CBB-CGB-O2B
31	U2	201	PEB	CAB-CBB-CGB-O2B
31	Z4	201	PEB	CAC-CBC-CGC-O1C
31	L5	201	PEB	CAB-CBB-CGB-O1B
31	J5	202	PEB	CAB-CBB-CGB-O1B
31	c6	203	PEB	CAB-CBB-CGB-O1B
31	Y7	504	PEB	CAC-CBC-CGC-O1C
31	F8	201	PEB	CAB-CBB-CGB-O1B
31	L8	202	PEB	CAB-CBB-CGB-O1B
31	Q8	201	PEB	CAC-CBC-CGC-O2C
31	Q8	202	PEB	CAC-CBC-CGC-O1C
31	l8	201	PEB	CAB-CBB-CGB-O2B
31	m8	202	PEB	CAB-CBB-CGB-O1B
31	cB	203	PEB	CAB-CBB-CGB-O1B
31	lD	203	PEB	CAC-CBC-CGC-O1C
31	dE	204	PEB	CAC-CBC-CGC-O1C
31	eF	203	PEB	CAC-CBC-CGC-O2C
31	lF	201	PEB	CAB-CBB-CGB-O2B
33	ID	1001	CYC	CAA-CBA-CGA-O2A
33	IE	1001	CYC	CAA-CBA-CGA-O2A
31	SG	201	PEB	C2B-C3B-CAB-CBB
31	aE	202	PEB	C2B-C3B-CAB-CBB
31	DA	201	PEB	CAB-CBB-CGB-O2B
31	JA	201	PEB	CAC-CBC-CGC-O1C
31	NA	201	PEB	CAB-CBB-CGB-O1B
31	OA	201	PEB	CAC-CBC-CGC-O1C
31	TA	201	PEB	CAC-CBC-CGC-O1C
31	SB	202	PEB	CAC-CBC-CGC-O2C
31	YB	202	PEB	CAB-CBB-CGB-O1B
31	LC	1002	PEB	CAB-CBB-CGB-O1B
31	QC	203	PEB	CAB-CBB-CGB-O1B
31	UC	201	PEB	CAB-CBB-CGB-O2B
31	PE	202	PEB	CAB-CBB-CGB-O1B
31	ZE	202	PEB	CAC-CBC-CGC-O1C
31	JF	201	PEB	CAB-CBB-CGB-O1B
31	QF	201	PEB	CAC-CBC-CGC-O2C
31	QF	202	PEB	CAC-CBC-CGC-O2C
31	WG	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	HH	201	PEB	CAC-CBC-CGC-O2C
31	PH	202	PEB	CAC-CBC-CGC-O2C
31	YH	203	PEB	CAC-CBC-CGC-O2C
31	SI	203	PEB	CAC-CBC-CGC-O2C
31	WI	201	PEB	CAB-CBB-CGB-O1B
31	EJ	202	PEB	CAB-CBB-CGB-O2B
31	JJ	202	PEB	CAB-CBB-CGB-O2B
31	LJ	203	PEB	CAB-CBB-CGB-O2B
31	NJ	204	PEB	CAB-CBB-CGB-O1B
31	KK	201	PEB	CAC-CBC-CGC-O2C
31	PK	202	PEB	CAB-CBB-CGB-O2B
31	K1	201	PEB	CAC-CBC-CGC-O2C
31	N1	202	PEB	CAB-CBB-CGB-O2B
31	d2	201	PEB	CAC-CBC-CGC-O1C
31	B4	301	PEB	CAB-CBB-CGB-O1B
31	c4	202	PEB	CAB-CBB-CGB-O2B
31	L5	203	PEB	CAB-CBB-CGB-O2B
31	N5	204	PEB	CAB-CBB-CGB-O1B
31	T5	202	PEB	CAC-CBC-CGC-O1C
31	E5	202	PEB	CAB-CBB-CGB-O2B
31	J5	202	PEB	CAB-CBB-CGB-O2B
31	J8	201	PEB	CAB-CBB-CGB-O1B
31	Q8	202	PEB	CAC-CBC-CGC-O2C
31	U8	202	PEB	CAC-CBC-CGC-O1C
31	a8	201	PEB	CAC-CBC-CGC-O1C
31	e8	201	PEB	CAC-CBC-CGC-O1C
31	e8	203	PEB	CAC-CBC-CGC-O2C
31	n8	202	PEB	CAB-CBB-CGB-O1B
31	s8	201	PEB	CAC-CBC-CGC-O1C
31	J9	202	PEB	CAC-CBC-CGC-O1C
31	M9	301	PEB	CAC-CBC-CGC-O2C
31	Q9	201	PEB	CAB-CBB-CGB-O1B
31	S9	201	PEB	CAC-CBC-CGC-O2C
31	S9	202	PEB	CAC-CBC-CGC-O1C
31	X9	202	PEB	CAB-CBB-CGB-O1B
31	Z9	301	PEB	CAC-CBC-CGC-O2C
31	dC	201	PEB	CAC-CBC-CGC-O1C
31	dD	204	PEB	CAC-CBC-CGC-O1C
31	kE	201	PEB	CAC-CBC-CGC-O1C
31	aF	201	PEB	CAC-CBC-CGC-O1C
31	eF	201	PEB	CAC-CBC-CGC-O1C
31	gF	203	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	mF	202	PEB	CAB-CBB-CGB-01B
31	nF	202	PEB	CAB-CBB-CGB-01B
31	pF	202	PEB	CAB-CBB-CGB-02B
31	rF	202	PEB	CAC-CBC-CGC-01C
31	sF	201	PEB	CAC-CBC-CGC-01C
31	kH	202	PEB	CAB-CBB-CGB-01B
31	eK	301	PEB	CAB-CBB-CGB-02B
33	CE	1001	CYC	CAA-CBA-CGA-01A
31	HB	1002	PEB	CAB-CBB-CGB-01B
31	TB	201	PEB	CAC-CBC-CGC-02C
31	ZC	202	PEB	CAC-CBC-CGC-02C
31	PD	202	PEB	CAB-CBB-CGB-01B
31	ZD	202	PEB	CAC-CBC-CGC-01C
31	ZD	202	PEB	CAC-CBC-CGC-02C
31	ZE	202	PEB	CAC-CBC-CGC-02C
31	DF	202	PEB	CAB-CBB-CGB-01B
31	XF	203	PEB	CAB-CBB-CGB-01B
31	DG	202	PEB	CAB-CBB-CGB-02B
31	KG	201	PEB	CAB-CBB-CGB-02B
31	QG	201	PEB	CAB-CBB-CGB-02B
31	LH	201	PEB	CAC-CBC-CGC-02C
31	LH	202	PEB	CAB-CBB-CGB-02B
31	UH	201	PEB	CAC-CBC-CGC-02C
31	JI	201	PEB	CAB-CBB-CGB-01B
31	LI	202	PEB	CAC-CBC-CGC-01C
31	LI	203	PEB	CAB-CBB-CGB-02B
31	UI	202	PEB	CAC-CBC-CGC-01C
31	EJ	201	PEB	CAC-CBC-CGC-01C
31	HK	202	PEB	CAC-CBC-CGC-02C
31	LK	202	PEB	CAB-CBB-CGB-01B
31	H1	202	PEB	CAC-CBC-CGC-02C
31	L1	202	PEB	CAB-CBB-CGB-01B
31	V1	202	PEB	CAC-CBC-CGC-02C
31	Z2	202	PEB	CAC-CBC-CGC-02C
31	P4	202	PEB	CAB-CBB-CGB-01B
31	W4	202	PEB	CAC-CBC-CGC-01C
31	W4	202	PEB	CAB-CBB-CGB-01B
31	Z4	201	PEB	CAC-CBC-CGC-02C
31	l4	203	PEB	CAB-CBB-CGB-02B
31	d5	401	PEB	CAB-CBB-CGB-01B
31	A5	302	PEB	CAC-CBC-CGC-02C
31	P6	201	PEB	CAB-CBB-CGB-02B

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Mol	Chain	Res	Type	Atoms
31	S6	201	PEB	CAC-CBC-CGC-O2C
31	T6	201	PEB	CAC-CBC-CGC-O2C
31	Y6	202	PEB	CAB-CBB-CGB-O1B
31	B7	201	PEB	CAB-CBB-CGB-O1B
31	E7	202	PEB	CAC-CBC-CGC-O1C
31	J7	201	PEB	CAB-CBB-CGB-O1B
31	V7	201	PEB	CAB-CBB-CGB-O2B
31	X8	203	PEB	CAB-CBB-CGB-O1B
31	Y8	201	PEB	CAC-CBC-CGC-O2C
31	D8	202	PEB	CAB-CBB-CGB-O1B
31	f8	201	PEB	CAC-CBC-CGC-O2C
31	g8	203	PEB	CAC-CBC-CGC-O1C
31	h8	202	PEB	CAB-CBB-CGB-O2B
31	k8	202	PEB	CAC-CBC-CGC-O1C
31	p8	202	PEB	CAB-CBB-CGB-O2B
31	r8	202	PEB	CAC-CBC-CGC-O1C
31	A9	202	PEB	CAB-CBB-CGB-O1B
31	C9	202	PEB	CAB-CBB-CGB-O1B
31	E9	202	PEB	CAB-CBB-CGB-O1B
31	G9	202	PEB	CAB-CBB-CGB-O1B
31	I9	202	PEB	CAB-CBB-CGB-O1B
31	K9	202	PEB	CAB-CBB-CGB-O1B
31	N9	202	PEB	CAB-CBB-CGB-O1B
31	P9	202	PEB	CAB-CBB-CGB-O1B
31	Q9	203	PEB	CAC-CBC-CGC-O1C
31	R9	202	PEB	CAB-CBB-CGB-O1B
31	T9	202	PEB	CAB-CBB-CGB-O1B
31	V9	202	PEB	CAB-CBB-CGB-O1B
31	Y9	202	PEB	CAC-CBC-CGC-O1C
31	fF	201	PEB	CAC-CBC-CGC-O2C
31	fF	201	PEB	CAB-CBB-CGB-O1B
31	hF	202	PEB	CAB-CBB-CGB-O2B
31	kF	202	PEB	CAC-CBC-CGC-O1C
31	uF	202	PEB	CAB-CBB-CGB-O1B
31	eK	301	PEB	CAC-CBC-CGC-O2C
33	HC	1001	CYC	CAA-CBA-CGA-O2A
33	JC	1001	CYC	CAA-CBA-CGA-O2A
33	FD	202	CYC	CAA-CBA-CGA-O1A
33	KE	202	CYC	CAA-CBA-CGA-O1A
33	H2	1001	CYC	CAA-CBA-CGA-O2A
33	J2	1001	CYC	CAA-CBA-CGA-O2A
33	73	1002	CYC	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
31	JF	201	PEB	C3B-CAB-CBB-CGB
31	XJ	202	PEB	C3B-CAB-CBB-CGB
31	N4	201	PEB	C3B-CAB-CBB-CGB
31	J8	201	PEB	C3B-CAB-CBB-CGB
31	dD	201	PEB	C3B-CAB-CBB-CGB
33	KD	202	CYC	C2A-CAA-CBA-CGA
33	HE	1001	CYC	C2A-CAA-CBA-CGA
31	QA	204	PEB	CAC-CBC-CGC-O2C
31	ZC	202	PEB	CAC-CBC-CGC-O1C
31	OD	201	PEB	CAC-CBC-CGC-O2C
31	OE	201	PEB	CAC-CBC-CGC-O2C
31	IF	202	PEB	CAB-CBB-CGB-O1B
31	PF	201	PEB	CAB-CBB-CGB-O2B
31	WF	202	PEB	CAC-CBC-CGC-O2C
31	DG	202	PEB	CAB-CBB-CGB-O1B
31	GH	203	PEB	CAB-CBB-CGB-O2B
31	MH	201	PEB	CAC-CBC-CGC-O1C
31	FI	202	PEB	CAC-CBC-CGC-O2C
31	LI	202	PEB	CAC-CBC-CGC-O2C
31	AJ	302	PEB	CAC-CBC-CGC-O2C
31	LJ	201	PEB	CAB-CBB-CGB-O2B
31	VK	202	PEB	CAC-CBC-CGC-O2C
31	XK	202	PEB	CAC-CBC-CGC-O2C
31	C1	202	PEB	CAC-CBC-CGC-O2C
31	X1	202	PEB	CAC-CBC-CGC-O2C
31	e1	301	PEB	CAC-CBC-CGC-O2C
31	Q2	201	PEB	CAC-CBC-CGC-O1C
31	Z2	202	PEB	CAC-CBC-CGC-O1C
31	T4	201	PEB	CAC-CBC-CGC-O2C
31	h4	203	PEB	CAB-CBB-CGB-O1B
31	h4	203	PEB	CAB-CBB-CGB-O2B
31	j4	201	PEB	CAC-CBC-CGC-O2C
31	L5	201	PEB	CAB-CBB-CGB-O2B
31	A5	302	PEB	CAC-CBC-CGC-O1C
31	E5	201	PEB	CAC-CBC-CGC-O1C
31	H6	1002	PEB	CAB-CBB-CGB-O1B
31	i6	201	PEB	CAC-CBC-CGC-O2C
31	c6	203	PEB	CAB-CBB-CGB-O2B
31	N7	201	PEB	CAB-CBB-CGB-O2B
31	O7	203	PEB	CAB-CBB-CGB-O1B
31	W8	202	PEB	CAC-CBC-CGC-O2C
31	I8	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	L8	201	PEB	CAB-CBB-CGB-O1B
31	N8	201	PEB	CAB-CBB-CGB-O2B
31	P8	201	PEB	CAB-CBB-CGB-O2B
31	a8	203	PEB	CAC-CBC-CGC-O2C
31	h8	202	PEB	CAB-CBB-CGB-O1B
31	n8	201	PEB	CAB-CBB-CGB-O1B
31	o8	201	PEB	CAC-CBC-CGC-O2C
31	u8	201	PEB	CAB-CBB-CGB-O1B
31	cA	402	PEB	CAC-CBC-CGC-O1C
31	dA	202	PEB	CAC-CBC-CGC-O1C
31	iB	201	PEB	CAC-CBC-CGC-O2C
31	lD	201	PEB	CAC-CBC-CGC-O2C
31	lE	201	PEB	CAC-CBC-CGC-O2C
31	lE	203	PEB	CAC-CBC-CGC-O1C
31	aF	203	PEB	CAC-CBC-CGC-O2C
31	hF	202	PEB	CAB-CBB-CGB-O1B
31	nF	201	PEB	CAB-CBB-CGB-O1B
31	oF	201	PEB	CAC-CBC-CGC-O2C
31	eH	202	PEB	CAC-CBC-CGC-O2C
31	fH	202	PEB	CAB-CBB-CGB-O1B
31	dJ	401	PEB	CAB-CBB-CGB-O1B
32	MI	303	PUB	CAC-CBC-CGC-O2C
32	ZI	302	PUB	CAC-CBC-CGC-O2C
33	NC	1001	CYC	CAD-CBD-CGD-O1D
33	N2	1001	CYC	CAD-CBD-CGD-O1D
33	73	1002	CYC	CAA-CBA-CGA-O1A
31	JA	201	PEB	CAB-CBB-CGB-O1B
31	QA	204	PEB	CAC-CBC-CGC-O1C
31	TA	201	PEB	CAB-CBB-CGB-O1B
31	AC	301	PEB	CAB-CBB-CGB-O1B
31	DC	1002	PEB	CAB-CBB-CGB-O1B
31	QC	201	PEB	CAC-CBC-CGC-O1C
31	DD	1002	PEB	CAB-CBB-CGB-O2B
31	OD	201	PEB	CAC-CBC-CGC-O1C
31	DE	1002	PEB	CAB-CBB-CGB-O2B
31	OE	201	PEB	CAC-CBC-CGC-O1C
31	LF	201	PEB	CAB-CBB-CGB-O1B
31	WF	202	PEB	CAB-CBB-CGB-O1B
31	TH	201	PEB	CAC-CBC-CGC-O1C
31	MJ	201	PEB	CAB-CBB-CGB-O2B
31	CK	202	PEB	CAC-CBC-CGC-O2C
31	SK	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	VK	201	PEB	CAB-CBB-CGB-O1B
31	S1	202	PEB	CAB-CBB-CGB-O1B
31	A2	301	PEB	CAB-CBB-CGB-O1B
31	D2	1002	PEB	CAB-CBB-CGB-O1B
31	a2	201	PEB	CAB-CBB-CGB-O2B
31	B4	301	PEB	CAC-CBC-CGC-O1C
31	M5	201	PEB	CAB-CBB-CGB-O2B
31	F5	203	PEB	CAC-CBC-CGC-O1C
31	S6	201	PEB	CAC-CBC-CGC-O1C
31	B8	202	PEB	CAB-CBB-CGB-O1B
31	mB	202	PEB	CAB-CBB-CGB-O1B
31	cB	203	PEB	CAB-CBB-CGB-O2B
31	gB	201	PEB	CAC-CBC-CGC-O2C
31	mD	202	PEB	CAC-CBC-CGC-O2C
31	dE	203	PEB	CAB-CBB-CGB-O2B
32	ZI	302	PUB	CAB-CBB-CGB-O2B
33	DC	1003	CYC	CAA-CBA-CGA-O1A
33	JC	1001	CYC	CAA-CBA-CGA-O1A
33	D2	1003	CYC	CAA-CBA-CGA-O1A
33	J2	1001	CYC	CAA-CBA-CGA-O1A
31	DA	201	PEB	C2C-CAC-CBC-CGC
31	HD	1002	PEB	C2C-CAC-CBC-CGC
31	HE	1002	PEB	C2C-CAC-CBC-CGC
31	BG	203	PEB	C2C-CAC-CBC-CGC
31	YI	202	PEB	C2C-CAC-CBC-CGC
31	H7	201	PEB	C2C-CAC-CBC-CGC
31	RB	202	PEB	C4B-C3B-CAB-CBB
31	EA	501	PEB	CAC-CBC-CGC-O2C
31	HA	202	PEB	CAC-CBC-CGC-O2C
31	KA	303	PEB	CAB-CBB-CGB-O2B
31	SB	202	PEB	CAC-CBC-CGC-O1C
31	AC	301	PEB	CAC-CBC-CGC-O2C
31	YC	201	PEB	CAC-CBC-CGC-O2C
31	SD	201	PEB	CAC-CBC-CGC-O2C
31	SE	201	PEB	CAC-CBC-CGC-O2C
31	YF	201	PEB	CAC-CBC-CGC-O1C
31	GG	201	PEB	CAB-CBB-CGB-O2B
31	MG	401	PEB	CAC-CBC-CGC-O2C
31	LH	202	PEB	CAC-CBC-CGC-O1C
31	YI	201	PEB	CAB-CBB-CGB-O1B
31	ZI	304	PEB	CAC-CBC-CGC-O2C
31	AJ	302	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	AJ	302	PEB	CAB-CBB-CGB-01B
31	FJ	203	PEB	CAC-CBC-CGC-01C
31	V1	201	PEB	CAB-CBB-CGB-01B
31	A2	301	PEB	CAC-CBC-CGC-02C
31	Y2	201	PEB	CAC-CBC-CGC-02C
31	C5	201	PEB	CAB-CBB-CGB-01B
31	K5	202	PEB	CAB-CBB-CGB-02B
31	k6	201	PEB	CAC-CBC-CGC-02C
31	m6	202	PEB	CAB-CBB-CGB-01B
31	h6	201	PEB	CAB-CBB-CGB-02B
31	X7	202	PEB	CAC-CBC-CGC-02C
31	V8	201	PEB	CAB-CBB-CGB-02B
31	W8	202	PEB	CAB-CBB-CGB-01B
31	Y8	201	PEB	CAC-CBC-CGC-01C
31	U8	201	PEB	CAC-CBC-CGC-02C
31	n8	202	PEB	CAC-CBC-CGC-02C
31	q8	202	PEB	CAB-CBB-CGB-01B
31	A9	201	PEB	CAC-CBC-CGC-02C
31	C9	201	PEB	CAC-CBC-CGC-02C
31	E9	201	PEB	CAC-CBC-CGC-02C
31	G9	201	PEB	CAC-CBC-CGC-02C
31	I9	201	PEB	CAC-CBC-CGC-02C
31	K9	201	PEB	CAC-CBC-CGC-02C
31	N9	201	PEB	CAC-CBC-CGC-02C
31	P9	201	PEB	CAC-CBC-CGC-02C
31	R9	201	PEB	CAC-CBC-CGC-02C
31	T9	201	PEB	CAC-CBC-CGC-02C
31	V9	201	PEB	CAC-CBC-CGC-02C
31	X9	201	PEB	CAC-CBC-CGC-02C
31	gA	202	PEB	CAB-CBB-CGB-01B
31	hB	201	PEB	CAB-CBB-CGB-02B
31	kC	201	PEB	CAB-CBB-CGB-02B
31	dD	203	PEB	CAB-CBB-CGB-02B
31	hD	203	PEB	CAB-CBB-CGB-02B
31	hE	203	PEB	CAB-CBB-CGB-02B
31	mE	202	PEB	CAC-CBC-CGC-02C
31	qF	202	PEB	CAB-CBB-CGB-01B
31	kH	201	PEB	CAC-CBC-CGC-02C
32	x8	305	PUB	CAB-CBB-CGB-01B
32	xF	305	PUB	CAB-CBB-CGB-01B
33	ID	1001	CYC	CAA-CBA-CGA-01A
33	IE	1001	CYC	CAA-CBA-CGA-01A

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Mol	Chain	Res	Type	Atoms
31	JB	1002	PEB	CAB-CBB-CGB-O2B
31	HC	1002	PEB	CAB-CBB-CGB-O2B
31	YC	202	PEB	CAC-CBC-CGC-O2C
31	YD	201	PEB	CAB-CBB-CGB-O2B
31	DF	203	PEB	CAC-CBC-CGC-O2C
31	NF	201	PEB	CAB-CBB-CGB-O2B
31	PF	201	PEB	CAC-CBC-CGC-O2C
31	VF	201	PEB	CAB-CBB-CGB-O2B
31	BG	201	PEB	CAB-CBB-CGB-O2B
31	TG	201	PEB	CAB-CBB-CGB-O2B
31	WG	202	PEB	CAB-CBB-CGB-O2B
31	KH	203	PEB	CAB-CBB-CGB-O2B
31	MI	305	PEB	CAC-CBC-CGC-O2C
31	CJ	201	PEB	CAB-CBB-CGB-O1B
31	KJ	202	PEB	CAB-CBB-CGB-O2B
31	WK	202	PEB	CAB-CBB-CGB-O2B
31	K1	201	PEB	CAC-CBC-CGC-O1C
31	W1	202	PEB	CAB-CBB-CGB-O2B
31	H2	1002	PEB	CAB-CBB-CGB-O2B
31	Y2	202	PEB	CAC-CBC-CGC-O2C
31	f2	201	PEB	CAB-CBB-CGB-O2B
31	k2	201	PEB	CAB-CBB-CGB-O2B
31	A5	302	PEB	CAB-CBB-CGB-O1B
31	J6	1002	PEB	CAB-CBB-CGB-O2B
31	g6	201	PEB	CAC-CBC-CGC-O2C
31	h6	202	PEB	CAB-CBB-CGB-O1B
31	D8	203	PEB	CAC-CBC-CGC-O2C
31	e8	203	PEB	CAC-CBC-CGC-O1C
31	o8	201	PEB	CAC-CBC-CGC-O1C
31	kB	201	PEB	CAC-CBC-CGC-O2C
31	hB	202	PEB	CAB-CBB-CGB-O1B
31	fC	201	PEB	CAB-CBB-CGB-O2B
31	aC	201	PEB	CAB-CBB-CGB-O2B
31	lD	201	PEB	CAC-CBC-CGC-O1C
31	lE	201	PEB	CAC-CBC-CGC-O1C
31	eF	203	PEB	CAC-CBC-CGC-O1C
31	oF	201	PEB	CAC-CBC-CGC-O1C
31	eK	301	PEB	CAB-CBB-CGB-O1B
32	MI	303	PUB	CAB-CBB-CGB-O2B
32	KK	203	PUB	CAB-CBB-CGB-O2B
32	K1	203	PUB	CAB-CBB-CGB-O2B
33	LB	1001	CYC	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
33	L6	1001	CYC	CAA-CBA-CGA-O2A
31	BA	203	PEB	CAB-CBB-CGB-O2B
31	KA	303	PEB	CAC-CBC-CGC-O2C
31	YB	202	PEB	CAC-CBC-CGC-O1C
31	OC	203	PEB	CAB-CBB-CGB-O2B
31	HD	1002	PEB	CAB-CBB-CGB-O1B
31	OD	203	PEB	CAC-CBC-CGC-O1C
31	HE	1002	PEB	CAB-CBB-CGB-O1B
31	SE	203	PEB	CAC-CBC-CGC-O2C
31	BF	202	PEB	CAB-CBB-CGB-O1B
31	RF	202	PEB	CAC-CBC-CGC-O1C
31	UF	201	PEB	CAC-CBC-CGC-O2C
31	AG	203	PEB	CAB-CBB-CGB-O2B
31	FG	201	PEB	CAB-CBB-CGB-O1B
31	UG	202	PEB	CAB-CBB-CGB-O1B
31	DH	202	PEB	CAC-CBC-CGC-O1C
31	LH	201	PEB	CAC-CBC-CGC-O1C
31	TH	201	PEB	CAC-CBC-CGC-O2C
31	YI	201	PEB	CAB-CBB-CGB-O2B
31	FJ	203	PEB	CAC-CBC-CGC-O2C
31	KJ	202	PEB	CAB-CBB-CGB-O1B
31	JK	203	PEB	CAC-CBC-CGC-O1C
31	KK	201	PEB	CAC-CBC-CGC-O1C
31	LK	201	PEB	CAB-CBB-CGB-O1B
31	J1	203	PEB	CAC-CBC-CGC-O1C
31	X1	202	PEB	CAC-CBC-CGC-O1C
31	O2	203	PEB	CAB-CBB-CGB-O2B
31	j2	201	PEB	CAB-CBB-CGB-O1B
31	G4	203	PEB	CAB-CBB-CGB-O1B
31	J4	201	PEB	CAC-CBC-CGC-O2C
31	l4	201	PEB	CAB-CBB-CGB-O1B
31	C5	201	PEB	CAC-CBC-CGC-O1C
31	Z6	202	PEB	CAB-CBB-CGB-O2B
31	i6	203	PEB	CAB-CBB-CGB-O2B
31	g6	202	PEB	CAC-CBC-CGC-O1C
31	b7	502	PEB	CAC-CBC-CGC-O1C
31	O7	203	PEB	CAB-CBB-CGB-O2B
31	N8	201	PEB	CAB-CBB-CGB-O1B
31	R8	202	PEB	CAC-CBC-CGC-O1C
31	f8	201	PEB	CAC-CBC-CGC-O1C
31	j8	201	PEB	CAB-CBB-CGB-O2B
31	S9	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	iB	203	PEB	CAB-CBB-CGB-O2B
31	gB	202	PEB	CAC-CBC-CGC-O1C
31	jC	201	PEB	CAB-CBB-CGB-O1B
31	fF	201	PEB	CAC-CBC-CGC-O1C
31	jF	201	PEB	CAB-CBB-CGB-O2B
31	nF	202	PEB	CAC-CBC-CGC-O2C
31	hH	203	PEB	CAB-CBB-CGB-O2B
32	A4	304	PUB	CAB-CBB-CGB-O2B
33	63	901	CYC	CAA-CBA-CGA-O2A
31	QB	201	PEB	CAB-CBB-CGB-O2B
31	SB	201	PEB	CAC-CBC-CGC-O2C
31	TB	203	PEB	CAC-CBC-CGC-O1C
31	UB	202	PEB	CAB-CBB-CGB-O1B
31	ZB	202	PEB	CAB-CBB-CGB-O2B
31	OE	203	PEB	CAC-CBC-CGC-O1C
31	BF	202	PEB	CAC-CBC-CGC-O1C
31	JF	202	PEB	CAC-CBC-CGC-O2C
31	NF	201	PEB	CAB-CBB-CGB-O1B
31	PF	201	PEB	CAB-CBB-CGB-O1B
31	PF	202	PEB	CAC-CBC-CGC-O1C
31	QF	201	PEB	CAC-CBC-CGC-O1C
31	VF	201	PEB	CAB-CBB-CGB-O1B
31	BG	202	PEB	CAB-CBB-CGB-O2B
31	QG	201	PEB	CAB-CBB-CGB-O1B
31	BH	301	PEB	CAB-CBB-CGB-O1B
31	HH	201	PEB	CAC-CBC-CGC-O1C
31	UH	202	PEB	CAC-CBC-CGC-O2C
31	CJ	201	PEB	CAC-CBC-CGC-O1C
31	CK	202	PEB	CAC-CBC-CGC-O1C
31	HK	202	PEB	CAC-CBC-CGC-O1C
31	NK	202	PEB	CAC-CBC-CGC-O1C
31	XK	201	PEB	CAC-CBC-CGC-O1C
31	XK	202	PEB	CAC-CBC-CGC-O1C
31	C1	202	PEB	CAC-CBC-CGC-O1C
31	H1	202	PEB	CAC-CBC-CGC-O1C
31	L1	201	PEB	CAB-CBB-CGB-O1B
31	X1	201	PEB	CAC-CBC-CGC-O1C
31	e1	301	PEB	CAC-CBC-CGC-O1C
31	Y2	201	PEB	CAC-CBC-CGC-O1C
31	f2	202	PEB	CAB-CBB-CGB-O2B
31	m2	202	PEB	CAB-CBB-CGB-O1B
31	j4	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	M5	201	PEB	CAB-CBB-CGB-O1B
31	X5	201	PEB	CAB-CBB-CGB-O2B
31	P6	201	PEB	CAB-CBB-CGB-O1B
31	S6	202	PEB	CAC-CBC-CGC-O2C
31	T6	203	PEB	CAC-CBC-CGC-O1C
31	Y6	202	PEB	CAC-CBC-CGC-O1C
31	j6	201	PEB	CAB-CBB-CGB-O2B
31	d6	202	PEB	CAC-CBC-CGC-O1C
31	g6	201	PEB	CAC-CBC-CGC-O1C
31	N7	201	PEB	CAB-CBB-CGB-O1B
31	B8	202	PEB	CAC-CBC-CGC-O1C
31	I8	201	PEB	CAB-CBB-CGB-O2B
31	P8	201	PEB	CAC-CBC-CGC-O2C
31	P8	201	PEB	CAB-CBB-CGB-O1B
31	P8	202	PEB	CAC-CBC-CGC-O1C
31	Q8	201	PEB	CAC-CBC-CGC-O1C
31	a8	202	PEB	CAC-CBC-CGC-O2C
31	i8	202	PEB	CAB-CBB-CGB-O1B
31	aF	202	PEB	CAC-CBC-CGC-O2C
31	eH	202	PEB	CAC-CBC-CGC-O1C
31	FG	201	PEB	C2B-C3B-CAB-CBB
31	UI	202	PEB	C2B-C3B-CAB-CBB
31	aD	202	PEB	C2B-C3B-CAB-CBB
33	H2	1001	CYC	C4B-C3B-CAB-CBB
31	BA	203	PEB	CAB-CBB-CGB-O1B
31	ZA	202	PEB	CAC-CBC-CGC-O1C
31	ZB	202	PEB	CAB-CBB-CGB-O1B
31	AC	301	PEB	CAC-CBC-CGC-O1C
31	PC	201	PEB	CAB-CBB-CGB-O1B
31	VC	203	PEB	CAB-CBB-CGB-O1B
31	VC	203	PEB	CAB-CBB-CGB-O2B
31	YC	201	PEB	CAC-CBC-CGC-O1C
31	DD	1002	PEB	CAB-CBB-CGB-O1B
31	DE	1002	PEB	CAB-CBB-CGB-O1B
31	DF	201	PEB	CAC-CBC-CGC-O1C
31	DF	201	PEB	CAC-CBC-CGC-O2C
31	GF	201	PEB	CAB-CBB-CGB-O1B
31	GF	201	PEB	CAB-CBB-CGB-O2B
31	MF	203	PEB	CAB-CBB-CGB-O1B
31	PF	202	PEB	CAC-CBC-CGC-O2C
31	ZF	201	PEB	CAC-CBC-CGC-O2C
31	BG	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	OG	201	PEB	CAB-CBB-CGB-01B
31	OG	202	PEB	CAB-CBB-CGB-02B
31	SG	201	PEB	CAB-CBB-CGB-01B
31	YG	201	PEB	CAB-CBB-CGB-02B
31	CH	203	PEB	CAB-CBB-CGB-02B
31	KH	203	PEB	CAC-CBC-CGC-01C
31	KH	203	PEB	CAC-CBC-CGC-02C
31	NH	201	PEB	CAC-CBC-CGC-02C
31	OH	202	PEB	CAC-CBC-CGC-01C
31	TH	202	PEB	CAC-CBC-CGC-01C
31	UH	201	PEB	CAC-CBC-CGC-01C
31	UH	202	PEB	CAC-CBC-CGC-01C
31	MI	305	PEB	CAC-CBC-CGC-01C
31	ZI	304	PEB	CAC-CBC-CGC-01C
31	FJ	201	PEB	CAC-CBC-CGC-01C
31	XJ	201	PEB	CAB-CBB-CGB-02B
31	DK	201	PEB	CAC-CBC-CGC-01C
31	KK	202	PEB	CAB-CBB-CGB-01B
31	LK	201	PEB	CAB-CBB-CGB-02B
31	VK	203	PEB	CAB-CBB-CGB-02B
31	D1	201	PEB	CAC-CBC-CGC-01C
31	K1	202	PEB	CAB-CBB-CGB-01B
31	T1	202	PEB	CAB-CBB-CGB-02B
31	V1	203	PEB	CAB-CBB-CGB-02B
31	A2	301	PEB	CAC-CBC-CGC-01C
31	V2	203	PEB	CAB-CBB-CGB-01B
31	V2	203	PEB	CAB-CBB-CGB-02B
31	m2	202	PEB	CAB-CBB-CGB-02B
31	S4	203	PEB	CAB-CBB-CGB-01B
31	T4	201	PEB	CAC-CBC-CGC-01C
31	e4	202	PEB	CAC-CBC-CGC-01C
31	F5	203	PEB	CAC-CBC-CGC-02C
31	H5	201	PEB	CAC-CBC-CGC-01C
31	K5	202	PEB	CAB-CBB-CGB-01B
31	Q6	201	PEB	CAB-CBB-CGB-02B
31	Q6	202	PEB	CAC-CBC-CGC-02C
31	U6	202	PEB	CAB-CBB-CGB-01B
31	U6	202	PEB	CAB-CBB-CGB-02B
31	Z6	202	PEB	CAB-CBB-CGB-01B
31	i6	201	PEB	CAC-CBC-CGC-01C
31	i6	203	PEB	CAB-CBB-CGB-01B
31	d6	202	PEB	CAC-CBC-CGC-02C

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Mol	Chain	Res	Type	Atoms
31	Z8	201	PEB	CAC-CBC-CGC-O2C
31	D8	201	PEB	CAC-CBC-CGC-O1C
31	D8	201	PEB	CAC-CBC-CGC-O2C
31	G8	201	PEB	CAB-CBB-CGB-O1B
31	J8	202	PEB	CAC-CBC-CGC-O2C
31	P8	202	PEB	CAC-CBC-CGC-O2C
31	R8	201	PEB	CAB-CBB-CGB-O1B
31	a8	202	PEB	CAC-CBC-CGC-O1C
31	c8	202	PEB	CAB-CBB-CGB-O2B
31	i8	202	PEB	CAB-CBB-CGB-O2B
31	j8	202	PEB	CAC-CBC-CGC-O2C
31	O9	201	PEB	CAC-CBC-CGC-O2C
31	iB	201	PEB	CAC-CBC-CGC-O1C
31	jB	201	PEB	CAB-CBB-CGB-O2B
31	dB	202	PEB	CAC-CBC-CGC-O1C
31	dB	202	PEB	CAC-CBC-CGC-O2C
31	gB	201	PEB	CAC-CBC-CGC-O1C
31	fC	202	PEB	CAB-CBB-CGB-O1B
31	mC	202	PEB	CAB-CBB-CGB-O1B
31	mC	202	PEB	CAB-CBB-CGB-O2B
31	aD	202	PEB	CAC-CBC-CGC-O1C
31	bD	202	PEB	CAC-CBC-CGC-O2C
31	aE	202	PEB	CAC-CBC-CGC-O1C
31	aF	202	PEB	CAC-CBC-CGC-O1C
31	iF	202	PEB	CAB-CBB-CGB-O1B
31	jF	202	PEB	CAC-CBC-CGC-O2C
31	cH	201	PEB	CAC-CBC-CGC-O2C
31	kH	201	PEB	CAC-CBC-CGC-O1C
32	A4	304	PUB	CAB-CBB-CGB-O1B
33	HC	1001	CYC	CAA-CBA-CGA-O1A
33	LC	1001	CYC	CAA-CBA-CGA-O1A
33	HD	1001	CYC	CAD-CBD-CGD-O2D
33	L2	1001	CYC	CAA-CBA-CGA-O1A
33	D2	1003	CYC	CAD-CBD-CGD-O1D
33	H2	1001	CYC	CAA-CBA-CGA-O1A
31	cF	202	PEB	C3B-C4B-CHB-C1C
31	XA	202	PEB	CAC-CBC-CGC-O1C
31	ZA	202	PEB	CAC-CBC-CGC-O2C
31	NB	1002	PEB	CAB-CBB-CGB-O1B
31	PB	201	PEB	CAB-CBB-CGB-O1B
31	QB	201	PEB	CAB-CBB-CGB-O1B
31	QB	202	PEB	CAC-CBC-CGC-O2C

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Mol	Chain	Res	Type	Atoms
31	SB	201	PEB	CAC-CBC-CGC-O1C
31	UB	202	PEB	CAB-CBB-CGB-O2B
31	YB	202	PEB	CAC-CBC-CGC-O2C
31	TC	202	PEB	CAB-CBB-CGB-O2B
31	YC	202	PEB	CAC-CBC-CGC-O1C
31	VD	201	PEB	CAC-CBC-CGC-O1C
31	SE	203	PEB	CAC-CBC-CGC-O1C
31	VE	201	PEB	CAC-CBC-CGC-O1C
31	YE	201	PEB	CAB-CBB-CGB-O2B
31	IF	201	PEB	CAB-CBB-CGB-O1B
31	IF	201	PEB	CAB-CBB-CGB-O2B
31	RF	201	PEB	CAB-CBB-CGB-O1B
31	WF	202	PEB	CAC-CBC-CGC-O1C
31	AG	203	PEB	CAB-CBB-CGB-O1B
31	FG	201	PEB	CAB-CBB-CGB-O2B
31	IG	203	PEB	CAB-CBB-CGB-O1B
31	KG	201	PEB	CAB-CBB-CGB-O1B
31	MG	401	PEB	CAC-CBC-CGC-O1C
31	OG	202	PEB	CAB-CBB-CGB-O1B
31	WG	202	PEB	CAB-CBB-CGB-O1B
31	YG	201	PEB	CAB-CBB-CGB-O1B
31	OH	202	PEB	CAC-CBC-CGC-O2C
31	UH	201	PEB	CAB-CBB-CGB-O1B
31	YH	203	PEB	CAC-CBC-CGC-O1C
31	FI	202	PEB	CAC-CBC-CGC-O1C
31	SI	203	PEB	CAC-CBC-CGC-O1C
31	FJ	201	PEB	CAC-CBC-CGC-O2C
31	HJ	201	PEB	CAC-CBC-CGC-O1C
31	HJ	201	PEB	CAC-CBC-CGC-O2C
31	IJ	201	PEB	CAC-CBC-CGC-O1C
31	MJ	201	PEB	CAB-CBB-CGB-O1B
31	RJ	203	PEB	CAB-CBB-CGB-O2B
31	UJ	201	PEB	CAB-CBB-CGB-O1B
31	XJ	201	PEB	CAB-CBB-CGB-O1B
31	KK	202	PEB	CAB-CBB-CGB-O2B
31	MK	202	PEB	CAB-CBB-CGB-O1B
31	TK	202	PEB	CAB-CBB-CGB-O2B
31	VK	203	PEB	CAB-CBB-CGB-O1B
31	K1	202	PEB	CAB-CBB-CGB-O2B
31	N1	202	PEB	CAC-CBC-CGC-O1C
31	V1	203	PEB	CAB-CBB-CGB-O1B
31	O2	203	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	P2	201	PEB	CAB-CBB-CGB-O1B
31	Q2	201	PEB	CAC-CBC-CGC-O2C
31	T2	202	PEB	CAB-CBB-CGB-O2B
31	f2	201	PEB	CAB-CBB-CGB-O1B
31	f2	202	PEB	CAB-CBB-CGB-O1B
31	i2	202	PEB	CAB-CBB-CGB-O1B
31	i2	202	PEB	CAB-CBB-CGB-O2B
31	J4	201	PEB	CAC-CBC-CGC-O1C
31	g4	201	PEB	CAC-CBC-CGC-O2C
31	h4	202	PEB	CAC-CBC-CGC-O2C
31	R5	203	PEB	CAB-CBB-CGB-O2B
31	U5	201	PEB	CAB-CBB-CGB-O1B
31	F5	201	PEB	CAC-CBC-CGC-O2C
31	H5	201	PEB	CAC-CBC-CGC-O2C
31	I5	201	PEB	CAC-CBC-CGC-O1C
31	X5	201	PEB	CAB-CBB-CGB-O1B
31	N6	1002	PEB	CAB-CBB-CGB-O1B
31	Q6	201	PEB	CAB-CBB-CGB-O1B
31	Y6	202	PEB	CAC-CBC-CGC-O2C
31	V8	201	PEB	CAB-CBB-CGB-O1B
31	W8	202	PEB	CAC-CBC-CGC-O1C
31	F8	202	PEB	CAB-CBB-CGB-O2B
31	G8	201	PEB	CAB-CBB-CGB-O2B
31	H8	201	PEB	CAC-CBC-CGC-O1C
31	M8	203	PEB	CAB-CBB-CGB-O1B
31	c8	202	PEB	CAB-CBB-CGB-O1B
31	i8	201	PEB	CAC-CBC-CGC-O1C
31	l8	201	PEB	CAB-CBB-CGB-O1B
31	o8	202	PEB	CAB-CBB-CGB-O1B
31	F9	201	PEB	CAC-CBC-CGC-O1C
31	iB	203	PEB	CAB-CBB-CGB-O1B
31	fC	202	PEB	CAB-CBB-CGB-O2B
31	iC	202	PEB	CAB-CBB-CGB-O1B
31	iC	202	PEB	CAB-CBB-CGB-O2B
31	aD	202	PEB	CAC-CBC-CGC-O2C
31	aE	202	PEB	CAC-CBC-CGC-O2C
31	bE	201	PEB	CAC-CBC-CGC-O2C
31	cF	202	PEB	CAC-CBC-CGC-O2C
31	iF	201	PEB	CAC-CBC-CGC-O1C
31	iF	202	PEB	CAB-CBB-CGB-O2B
31	jF	202	PEB	CAC-CBC-CGC-O1C
31	oF	202	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	hH	203	PEB	CAB-CBB-CGB-01B
32	AB	303	PUB	CAC-CBC-CGC-01C
32	A6	303	PUB	CAC-CBC-CGC-01C
33	DC	1003	CYC	CAD-CBD-CGD-01D
33	63	901	CYC	CAA-CBA-CGA-01A
31	j2	202	PEB	C3B-CAB-CBB-CGB
33	HD	1001	CYC	C2A-CAA-CBA-CGA
31	UA	302	PEB	CAC-CBC-CGC-02C
31	XA	202	PEB	CAC-CBC-CGC-02C
31	QB	202	PEB	CAC-CBC-CGC-01C
31	OC	203	PEB	CAB-CBB-CGB-01B
31	QC	201	PEB	CAC-CBC-CGC-02C
31	FF	202	PEB	CAB-CBB-CGB-02B
31	NF	202	PEB	CAB-CBB-CGB-02B
31	XF	201	PEB	CAB-CBB-CGB-01B
31	NG	203	PEB	CAB-CBB-CGB-02B
31	GH	203	PEB	CAB-CBB-CGB-01B
31	RJ	203	PEB	CAB-CBB-CGB-01B
31	TK	202	PEB	CAB-CBB-CGB-01B
31	VK	202	PEB	CAC-CBC-CGC-01C
31	L1	201	PEB	CAB-CBB-CGB-02B
31	M1	202	PEB	CAB-CBB-CGB-01B
31	T1	202	PEB	CAB-CBB-CGB-01B
31	N4	201	PEB	CAC-CBC-CGC-01C
31	R5	203	PEB	CAB-CBB-CGB-01B
31	F5	201	PEB	CAC-CBC-CGC-01C
31	Q6	202	PEB	CAC-CBC-CGC-01C
31	S6	202	PEB	CAC-CBC-CGC-01C
31	X7	202	PEB	CAC-CBC-CGC-01C
31	Y7	502	PEB	CAC-CBC-CGC-01C
31	X8	201	PEB	CAB-CBB-CGB-01B
31	J8	202	PEB	CAC-CBC-CGC-01C
31	N8	202	PEB	CAB-CBB-CGB-02B
31	P8	201	PEB	CAC-CBC-CGC-01C
31	o8	202	PEB	CAB-CBB-CGB-02B
31	A9	201	PEB	CAC-CBC-CGC-01C
31	C9	201	PEB	CAC-CBC-CGC-01C
31	R9	201	PEB	CAC-CBC-CGC-01C
31	mB	202	PEB	CAB-CBB-CGB-02B
31	fC	201	PEB	CAB-CBB-CGB-01B
31	hF	201	PEB	CAB-CBB-CGB-02B
31	lF	201	PEB	CAB-CBB-CGB-01B

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Mol	Chain	Res	Type	Atoms
31	oF	202	PEB	CAB-CBB-CGB-O2B
33	LB	1001	CYC	CAA-CBA-CGA-O1A
33	L6	1001	CYC	CAA-CBA-CGA-O1A
33	LC	1001	CYC	C2B-C3B-CAB-CBB
33	L2	1001	CYC	C2B-C3B-CAB-CBB
31	HC	1002	PEB	CAB-CBB-CGB-O1B
31	TC	202	PEB	CAB-CBB-CGB-O1B
31	UD	202	PEB	CAB-CBB-CGB-O1B
31	YD	201	PEB	CAB-CBB-CGB-O1B
31	SE	201	PEB	CAC-CBC-CGC-O1C
31	UE	202	PEB	CAB-CBB-CGB-O1B
31	BF	202	PEB	CAB-CBB-CGB-O2B
31	RG	203	PEB	CAB-CBB-CGB-O2B
31	TG	201	PEB	CAB-CBB-CGB-O1B
31	CH	203	PEB	CAB-CBB-CGB-O1B
31	KH	203	PEB	CAB-CBB-CGB-O1B
31	LH	202	PEB	CAC-CBC-CGC-O2C
31	NH	201	PEB	CAC-CBC-CGC-O1C
31	TH	202	PEB	CAC-CBC-CGC-O2C
31	DK	201	PEB	CAC-CBC-CGC-O2C
31	RK	202	PEB	CAB-CBB-CGB-O2B
31	D1	201	PEB	CAC-CBC-CGC-O2C
31	R1	202	PEB	CAB-CBB-CGB-O2B
31	V1	202	PEB	CAC-CBC-CGC-O1C
31	W2	202	PEB	CAB-CBB-CGB-O1B
31	E5	202	PEB	CAB-CBB-CGB-O1B
31	T6	201	PEB	CAC-CBC-CGC-O1C
31	T6	203	PEB	CAC-CBC-CGC-O2C
31	k6	201	PEB	CAC-CBC-CGC-O1C
31	m6	202	PEB	CAB-CBB-CGB-O2B
31	B8	202	PEB	CAB-CBB-CGB-O2B
31	I8	201	PEB	CAB-CBB-CGB-O1B
31	h8	201	PEB	CAB-CBB-CGB-O2B
31	j8	202	PEB	CAC-CBC-CGC-O1C
31	E9	201	PEB	CAC-CBC-CGC-O1C
31	G9	201	PEB	CAC-CBC-CGC-O1C
31	I9	201	PEB	CAC-CBC-CGC-O1C
31	K9	201	PEB	CAC-CBC-CGC-O1C
31	N9	201	PEB	CAC-CBC-CGC-O1C
31	P9	201	PEB	CAC-CBC-CGC-O1C
31	T9	201	PEB	CAC-CBC-CGC-O1C
31	V9	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	X9	201	PEB	CAC-CBC-CGC-O1C
31	gA	202	PEB	CAB-CBB-CGB-O2B
31	hD	203	PEB	CAB-CBB-CGB-O1B
31	hE	203	PEB	CAB-CBB-CGB-O1B
31	aF	203	PEB	CAC-CBC-CGC-O1C
33	HE	1001	CYC	CAD-CBD-CGD-O2D
33	D6	1001	CYC	CAD-CBD-CGD-O1D
32	AH	304	PUB	C4A-C3A-CAA-CBA
31	JA	201	PEB	CAB-CBB-CGB-O2B
31	JA	202	PEB	CAC-CBC-CGC-O2C
31	TA	201	PEB	CAB-CBB-CGB-O2B
31	TA	202	PEB	CAC-CBC-CGC-O2C
31	PC	201	PEB	CAB-CBB-CGB-O2B
31	WC	202	PEB	CAB-CBB-CGB-O1B
31	ND	201	PEB	CAC-CBC-CGC-O2C
31	SD	201	PEB	CAC-CBC-CGC-O1C
31	VD	201	PEB	CAC-CBC-CGC-O2C
31	NE	201	PEB	CAC-CBC-CGC-O2C
31	YE	201	PEB	CAB-CBB-CGB-O1B
31	FF	202	PEB	CAB-CBB-CGB-O1B
31	HF	201	PEB	CAC-CBC-CGC-O1C
31	PF	201	PEB	CAC-CBC-CGC-O1C
31	ZF	201	PEB	CAC-CBC-CGC-O1C
31	CJ	201	PEB	CAC-CBC-CGC-O2C
31	JJ	202	PEB	CAC-CBC-CGC-O1C
31	JK	203	PEB	CAC-CBC-CGC-O2C
31	J1	203	PEB	CAC-CBC-CGC-O2C
31	P2	201	PEB	CAB-CBB-CGB-O2B
31	H2	1002	PEB	CAB-CBB-CGB-O1B
31	Y2	202	PEB	CAC-CBC-CGC-O1C
31	i2	201	PEB	CAB-CBB-CGB-O2B
31	B4	301	PEB	CAC-CBC-CGC-O2C
31	C5	201	PEB	CAC-CBC-CGC-O2C
31	J5	202	PEB	CAC-CBC-CGC-O1C
31	F8	202	PEB	CAB-CBB-CGB-O1B
31	kB	201	PEB	CAC-CBC-CGC-O1C
31	gB	202	PEB	CAC-CBC-CGC-O2C
31	iC	201	PEB	CAB-CBB-CGB-O2B
31	mD	202	PEB	CAC-CBC-CGC-O1C
31	lH	201	PEB	CAB-CBB-CGB-O2B
33	DB	1001	CYC	CAD-CBD-CGD-O1D
33	IB	1001	CYC	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
33	DC	1003	CYC	CAD-CBD-CGD-O2D
33	I6	1001	CYC	CAD-CBD-CGD-O2D
31	GA	201	PEB	CAC-CBC-CGC-O2C
31	TB	203	PEB	CAC-CBC-CGC-O2C
31	VE	201	PEB	CAC-CBC-CGC-O2C
31	JF	202	PEB	CAC-CBC-CGC-O1C
31	NF	202	PEB	CAB-CBB-CGB-O1B
31	VG	203	PEB	CAB-CBB-CGB-O2B
31	BH	301	PEB	CAB-CBB-CGB-O2B
31	EJ	202	PEB	CAB-CBB-CGB-O1B
31	NK	202	PEB	CAC-CBC-CGC-O2C
31	TK	202	PEB	CAC-CBC-CGC-O2C
31	WK	202	PEB	CAB-CBB-CGB-O1B
31	T1	202	PEB	CAC-CBC-CGC-O2C
31	W1	202	PEB	CAB-CBB-CGB-O1B
31	T2	202	PEB	CAB-CBB-CGB-O1B
31	g4	201	PEB	CAC-CBC-CGC-O1C
31	E5	201	PEB	CAC-CBC-CGC-O2C
31	N8	202	PEB	CAB-CBB-CGB-O1B
31	a8	203	PEB	CAC-CBC-CGC-O1C
31	n8	202	PEB	CAC-CBC-CGC-O1C
31	cA	402	PEB	CAC-CBC-CGC-O2C
31	cF	202	PEB	CAC-CBC-CGC-O1C
31	nF	202	PEB	CAC-CBC-CGC-O1C
31	cH	201	PEB	CAC-CBC-CGC-O1C
32	KK	203	PUB	CAB-CBB-CGB-O1B
32	K1	203	PUB	CAB-CBB-CGB-O1B
33	D2	1003	CYC	CAD-CBD-CGD-O2D
31	HA	202	PEB	CAB-CBB-CGB-O1B
31	MA	202	PEB	CAC-CBC-CGC-O2C
31	TK	203	PEB	CAB-CBB-CGB-O1B
31	N1	202	PEB	CAC-CBC-CGC-O2C
31	T1	203	PEB	CAB-CBB-CGB-O1B
31	D2	1002	PEB	CAB-CBB-CGB-O2B
31	c6	201	PEB	CAB-CBB-CGB-O1B
31	g6	202	PEB	CAC-CBC-CGC-O2C
31	b7	501	PEB	CAC-CBC-CGC-O1C
31	Z8	201	PEB	CAC-CBC-CGC-O1C
31	i8	203	PEB	CAB-CBB-CGB-O1B
31	cB	201	PEB	CAB-CBB-CGB-O1B
31	mE	202	PEB	CAC-CBC-CGC-O1C
31	iF	203	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
33	LE	1001	CYC	CAA-CBA-CGA-O1A
31	TC	201	PEB	C2B-C3B-CAB-CBB
31	T2	201	PEB	C2B-C3B-CAB-CBB
31	k6	202	PEB	C2B-C3B-CAB-CBB
31	kB	202	PEB	C2B-C3B-CAB-CBB
31	DA	201	PEB	CAC-CBC-CGC-O1C
31	DC	1002	PEB	CAB-CBB-CGB-O2B
31	WD	202	PEB	CAC-CBC-CGC-O2C
31	PE	202	PEB	CAB-CBB-CGB-O2B
31	WE	201	PEB	CAC-CBC-CGC-O2C
31	YE	201	PEB	CAC-CBC-CGC-O2C
31	DF	202	PEB	CAB-CBB-CGB-O2B
31	DF	203	PEB	CAC-CBC-CGC-O1C
31	FH	201	PEB	CAC-CBC-CGC-O1C
31	EJ	201	PEB	CAC-CBC-CGC-O2C
31	H6	1002	PEB	CAB-CBB-CGB-O2B
31	D8	202	PEB	CAB-CBB-CGB-O2B
33	LD	1001	CYC	CAA-CBA-CGA-O1A
31	CA	201	PEB	CAC-CBC-CGC-O2C
31	HB	1002	PEB	CAB-CBB-CGB-O2B
31	SB	202	PEB	CAB-CBB-CGB-O2B
31	TB	201	PEB	CAC-CBC-CGC-O1C
31	PD	202	PEB	CAB-CBB-CGB-O2B
31	YD	201	PEB	CAC-CBC-CGC-O2C
31	AK	201	PEB	CAB-CBB-CGB-O2B
31	A1	201	PEB	CAB-CBB-CGB-O2B
31	I5	201	PEB	CAC-CBC-CGC-O2C
31	S6	201	PEB	CAB-CBB-CGB-O2B
31	l8	203	PEB	CAC-CBC-CGC-O2C
31	Q9	201	PEB	CAB-CBB-CGB-O2B
31	Q9	203	PEB	CAC-CBC-CGC-O2C
31	iD	202	PEB	CAC-CBC-CGC-O2C
31	lF	203	PEB	CAC-CBC-CGC-O2C
33	CB	1001	CYC	CAD-CBD-CGD-O2D
33	C6	1001	CYC	CAD-CBD-CGD-O2D
31	RD	201	PEB	CAB-CBB-CGB-O2B
31	RE	201	PEB	CAB-CBB-CGB-O2B
31	IF	202	PEB	CAB-CBB-CGB-O2B
31	GG	201	PEB	CAB-CBB-CGB-O1B
31	IJ	201	PEB	CAC-CBC-CGC-O2C
31	K7	201	PEB	CAC-CBC-CGC-O2C
31	V7	201	PEB	CAB-CBB-CGB-O1B

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Mol	Chain	Res	Type	Atoms
31	I8	202	PEB	CAB-CBB-CGB-O2B
31	iE	202	PEB	CAC-CBC-CGC-O2C
31	cF	202	PEB	CAB-CBB-CGB-O2B
33	EC	1001	CYC	CAD-CBD-CGD-O2D
33	NC	1001	CYC	CAD-CBD-CGD-O2D
33	N2	1001	CYC	CAD-CBD-CGD-O2D
33	E2	1001	CYC	CAD-CBD-CGD-O2D
31	UC	201	PEB	C2C-CAC-CBC-CGC
31	WD	201	PEB	C2C-CAC-CBC-CGC
31	VE	201	PEB	C2C-CAC-CBC-CGC
31	WE	202	PEB	C2C-CAC-CBC-CGC
31	QF	201	PEB	C2C-CAC-CBC-CGC
31	YF	202	PEB	C2C-CAC-CBC-CGC
31	KH	202	PEB	C2C-CAC-CBC-CGC
31	LH	202	PEB	C2C-CAC-CBC-CGC
31	OH	203	PEB	C2C-CAC-CBC-CGC
31	WH	201	PEB	C2C-CAC-CBC-CGC
31	IK	202	PEB	C2C-CAC-CBC-CGC
31	QK	202	PEB	C2C-CAC-CBC-CGC
31	UK	201	PEB	C2C-CAC-CBC-CGC
31	I1	202	PEB	C2C-CAC-CBC-CGC
31	Q1	202	PEB	C2C-CAC-CBC-CGC
31	U1	201	PEB	C2C-CAC-CBC-CGC
31	U2	201	PEB	C2C-CAC-CBC-CGC
31	M4	202	PEB	C2C-CAC-CBC-CGC
31	M4	203	PEB	C2C-CAC-CBC-CGC
31	j4	202	PEB	C2C-CAC-CBC-CGC
31	l4	202	PEB	C2C-CAC-CBC-CGC
31	A7	203	PEB	C2C-CAC-CBC-CGC
31	O7	201	PEB	C2C-CAC-CBC-CGC
31	Y8	202	PEB	C2C-CAC-CBC-CGC
31	Q8	201	PEB	C2C-CAC-CBC-CGC
31	c8	201	PEB	C2C-CAC-CBC-CGC
31	m8	202	PEB	C2C-CAC-CBC-CGC
31	M9	302	PEB	C2C-CAC-CBC-CGC
31	Z9	302	PEB	C2C-CAC-CBC-CGC
31	cF	201	PEB	C2C-CAC-CBC-CGC
31	mF	202	PEB	C2C-CAC-CBC-CGC
31	fH	201	PEB	C2C-CAC-CBC-CGC
31	jH	202	PEB	C2C-CAC-CBC-CGC
31	mH	202	PEB	C2C-CAC-CBC-CGC
32	AJ	303	PUB	C3B-CAB-CBB-CGB

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Mol	Chain	Res	Type	Atoms
32	NJ	201	PUB	C3B-CAB-CBB-CGB
32	N5	201	PUB	C3B-CAB-CBB-CGB
32	A5	303	PUB	C3B-CAB-CBB-CGB
31	U9	201	PEB	C4B-C3B-CAB-CBB
31	gA	201	PEB	C4B-C3B-CAB-CBB
31	aD	202	PEB	C4B-C3B-CAB-CBB
31	cF	202	PEB	C4B-C3B-CAB-CBB
31	DA	203	PEB	C3B-CAB-CBB-CGB
31	TB	203	PEB	C3B-CAB-CBB-CGB
31	OF	203	PEB	C3B-CAB-CBB-CGB
31	VF	202	PEB	C3B-CAB-CBB-CGB
31	BG	203	PEB	C3B-CAB-CBB-CGB
31	CJ	201	PEB	C3B-CAB-CBB-CGB
31	JJ	202	PEB	C3B-CAB-CBB-CGB
31	P2	202	PEB	C3B-CAB-CBB-CGB
31	d2	203	PEB	C3B-CAB-CBB-CGB
31	C5	201	PEB	C3B-CAB-CBB-CGB
31	J5	202	PEB	C3B-CAB-CBB-CGB
31	T6	203	PEB	C3B-CAB-CBB-CGB
31	g6	203	PEB	C3B-CAB-CBB-CGB
31	B7	201	PEB	C3B-CAB-CBB-CGB
31	V7	202	PEB	C3B-CAB-CBB-CGB
31	V8	202	PEB	C3B-CAB-CBB-CGB
31	O8	203	PEB	C3B-CAB-CBB-CGB
31	f8	201	PEB	C3B-CAB-CBB-CGB
31	M9	303	PEB	C3B-CAB-CBB-CGB
31	Z9	303	PEB	C3B-CAB-CBB-CGB
31	gB	203	PEB	C3B-CAB-CBB-CGB
31	jC	202	PEB	C3B-CAB-CBB-CGB
31	dC	203	PEB	C3B-CAB-CBB-CGB
31	fF	201	PEB	C3B-CAB-CBB-CGB
31	KA	303	PEB	CAC-CBC-CGC-O1C
31	YB	202	PEB	CAB-CBB-CGB-O2B
31	YG	201	PEB	CAC-CBC-CGC-O2C
31	Y6	202	PEB	CAB-CBB-CGB-O2B
31	e6	202	PEB	CAB-CBB-CGB-O2B
31	D8	203	PEB	CAC-CBC-CGC-O1C
31	t8	203	PEB	CAC-CBC-CGC-O1C
31	kB	202	PEB	CAC-CBC-CGC-O1C
31	eB	202	PEB	CAB-CBB-CGB-O2B
31	qF	202	PEB	CAB-CBB-CGB-O2B
31	uF	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	KA	303	PEB	CAB-CBB-CGB-O1B
31	WF	201	PEB	CAC-CBC-CGC-O2C
31	e4	201	PEB	CAC-CBC-CGC-O2C
31	k6	202	PEB	CAC-CBC-CGC-O1C
31	Y7	504	PEB	CAC-CBC-CGC-O2C
31	W8	201	PEB	CAC-CBC-CGC-O2C
31	aB	203	PEB	CAB-CBB-CGB-O1B
32	A5	303	PUB	CAC-CBC-CGC-O2C
31	OF	201	PEB	CAC-CBC-CGC-O2C
31	HG	203	PEB	CAB-CBB-CGB-O2B
31	IJ	202	PEB	CAC-CBC-CGC-O1C
31	R1	202	PEB	CAB-CBB-CGB-O1B
31	a6	203	PEB	CAB-CBB-CGB-O1B
32	AJ	303	PUB	CAC-CBC-CGC-O2C
33	D6	1001	CYC	CAD-CBD-CGD-O2D
31	DG	201	PEB	CAB-CBB-CGB-O2B
31	LG	201	PEB	CAC-CBC-CGC-O2C
31	I5	202	PEB	CAC-CBC-CGC-O1C
31	N7	201	PEB	CAC-CBC-CGC-O2C
33	IB	1001	CYC	CAD-CBD-CGD-O1D
33	I6	1001	CYC	CAD-CBD-CGD-O1D
33	HC	1001	CYC	C4B-C3B-CAB-CBB
31	NA	201	PEB	CAC-CBC-CGC-O1C
31	VB	202	PEB	CAB-CBB-CGB-O1B
31	QH	201	PEB	CAB-CBB-CGB-O2B
31	RK	202	PEB	CAB-CBB-CGB-O1B
31	B4	301	PEB	CAB-CBB-CGB-O2B
31	E4	202	PEB	CAB-CBB-CGB-O2B
31	O8	201	PEB	CAC-CBC-CGC-O2C
31	q8	202	PEB	CAB-CBB-CGB-O2B
31	hF	201	PEB	CAB-CBB-CGB-O1B
33	CE	1001	CYC	CAD-CBD-CGD-O2D
31	GA	202	PEB	C2D-C1D-CHC-C4C
31	IA	202	PEB	C2D-C1D-CHC-C4C
31	MA	201	PEB	C2D-C1D-CHC-C4C
31	YA	201	PEB	C2D-C1D-CHC-C4C
31	QB	202	PEB	C2D-C1D-CHC-C4C
31	FC	1002	PEB	C2D-C1D-CHC-C4C
31	UD	202	PEB	C2D-C1D-CHC-C4C
31	ZD	203	PEB	C2D-C1D-CHC-C4C
31	UE	202	PEB	C2D-C1D-CHC-C4C
31	ZE	203	PEB	C2D-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	UF	201	PEB	C2D-C1D-CHC-C4C
31	WF	203	PEB	C2D-C1D-CHC-C4C
31	HG	201	PEB	C2D-C1D-CHC-C4C
31	UG	201	PEB	C2D-C1D-CHC-C4C
31	CJ	202	PEB	C2D-C1D-CHC-C4C
31	PJ	201	PEB	C2D-C1D-CHC-C4C
31	BK	203	PEB	C2D-C1D-CHC-C4C
31	B1	203	PEB	C2D-C1D-CHC-C4C
31	F2	1002	PEB	C2D-C1D-CHC-C4C
31	l2	203	PEB	C2D-C1D-CHC-C4C
31	R4	201	PEB	C2D-C1D-CHC-C4C
31	R4	202	PEB	C2D-C1D-CHC-C4C
31	C5	202	PEB	C2D-C1D-CHC-C4C
31	Q6	202	PEB	C2D-C1D-CHC-C4C
31	D7	201	PEB	C2D-C1D-CHC-C4C
31	b7	501	PEB	C2D-C1D-CHC-C4C
31	N7	201	PEB	C2D-C1D-CHC-C4C
31	Y7	504	PEB	C2D-C1D-CHC-C4C
31	W8	203	PEB	C2D-C1D-CHC-C4C
31	U8	201	PEB	C2D-C1D-CHC-C4C
31	f8	201	PEB	C2D-C1D-CHC-C4C
31	g8	202	PEB	C2D-C1D-CHC-C4C
31	p8	201	PEB	C2D-C1D-CHC-C4C
31	q8	202	PEB	C2D-C1D-CHC-C4C
31	aA	202	PEB	C2D-C1D-CHC-C4C
31	fC	203	PEB	C2D-C1D-CHC-C4C
31	lC	202	PEB	C2D-C1D-CHC-C4C
31	jD	201	PEB	C2D-C1D-CHC-C4C
31	jE	201	PEB	C2D-C1D-CHC-C4C
31	fF	201	PEB	C2D-C1D-CHC-C4C
31	gF	202	PEB	C2D-C1D-CHC-C4C
31	pF	201	PEB	C2D-C1D-CHC-C4C
31	qF	202	PEB	C2D-C1D-CHC-C4C
31	gH	202	PEB	C2D-C1D-CHC-C4C
32	AB	303	PUB	C3A-C4A-CHA-C1B
32	NJ	201	PUB	C3A-C4A-CHA-C1B
32	N5	201	PUB	C3A-C4A-CHA-C1B
32	A6	303	PUB	C3A-C4A-CHA-C1B
32	yF	303	PUB	C3A-C4A-CHA-C1B
31	aE	202	PEB	C4B-C3B-CAB-CBB
31	AB	305	PEB	CAC-CBC-CGC-O2C
31	LC	1002	PEB	CAB-CBB-CGB-O2B

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Mol	Chain	Res	Type	Atoms
31	WC	203	PEB	CAB-CBB-CGB-O2B
31	L2	1002	PEB	CAB-CBB-CGB-O2B
31	F4	201	PEB	CAC-CBC-CGC-O2C
31	A6	305	PEB	CAC-CBC-CGC-O2C
31	V6	202	PEB	CAB-CBB-CGB-O1B
31	kE	202	PEB	CAC-CBC-CGC-O2C
31	lH	201	PEB	CAB-CBB-CGB-O1B
32	A4	303	PUB	CAC-CBC-CGC-O2C
33	FD	202	CYC	CAD-CBD-CGD-O2D
31	SH	203	PEB	CAB-CBB-CGB-O2B
31	j8	201	PEB	CAB-CBB-CGB-O1B
31	dD	203	PEB	CAC-CBC-CGC-O2C
31	kD	202	PEB	CAC-CBC-CGC-O2C
32	AB	303	PUB	CAC-CBC-CGC-O2C
33	DB	1001	CYC	CAD-CBD-CGD-O2D
33	K2	201	CYC	CAD-CBD-CGD-O2D
31	UD	202	PEB	CAB-CBB-CGB-O2B
31	RG	203	PEB	CAB-CBB-CGB-O1B
31	W2	203	PEB	CAB-CBB-CGB-O2B
31	h8	201	PEB	CAB-CBB-CGB-O1B
31	i8	201	PEB	CAC-CBC-CGC-O2C
31	dE	203	PEB	CAC-CBC-CGC-O2C
32	AH	303	PUB	CAC-CBC-CGC-O2C
32	A6	303	PUB	CAC-CBC-CGC-O2C
33	JB	1001	CYC	CAD-CBD-CGD-O2D
33	KC	201	CYC	CAD-CBD-CGD-O2D
31	PC	202	PEB	C3B-CAB-CBB-CGB
31	A5	304	PEB	C3B-CAB-CBB-CGB
31	UE	202	PEB	CAB-CBB-CGB-O2B
31	HF	201	PEB	CAC-CBC-CGC-O2C
31	H8	201	PEB	CAC-CBC-CGC-O2C
31	aD	201	PEB	CAB-CBB-CGB-O2B
31	iD	201	PEB	CAB-CBB-CGB-O2B
31	aE	201	PEB	CAB-CBB-CGB-O2B
31	iE	201	PEB	CAB-CBB-CGB-O2B
31	iF	201	PEB	CAC-CBC-CGC-O2C
31	jF	201	PEB	CAB-CBB-CGB-O1B
33	J6	1001	CYC	CAD-CBD-CGD-O2D
32	MI	303	PUB	C4A-C3A-CAA-CBA
32	ZI	302	PUB	C4A-C3A-CAA-CBA
31	DA	201	PEB	CAC-CBC-CGC-O2C
31	GA	201	PEB	CAC-CBC-CGC-O1C

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Mol	Chain	Res	Type	Atoms
31	HA	202	PEB	CAB-CBB-CGB-O2B
31	TD	201	PEB	CAB-CBB-CGB-O2B
31	TE	201	PEB	CAB-CBB-CGB-O2B
31	W2	202	PEB	CAB-CBB-CGB-O2B
31	c6	201	PEB	CAB-CBB-CGB-O2B
31	b7	501	PEB	CAC-CBC-CGC-O2C
31	cB	201	PEB	CAB-CBB-CGB-O2B
31	iD	201	PEB	CAB-CBB-CGB-O1B
31	iE	201	PEB	CAB-CBB-CGB-O1B
33	LD	1001	CYC	CAA-CBA-CGA-O2A
33	LE	1001	CYC	CAA-CBA-CGA-O2A
31	SB	202	PEB	CAB-CBB-CGB-O1B
31	WC	202	PEB	CAB-CBB-CGB-O2B
31	KF	201	PEB	CAC-CBC-CGC-O2C
31	NG	203	PEB	CAB-CBB-CGB-O1B
31	TK	203	PEB	CAB-CBB-CGB-O2B
31	T1	203	PEB	CAB-CBB-CGB-O2B
31	a6	203	PEB	CAB-CBB-CGB-O2B
31	i8	203	PEB	CAB-CBB-CGB-O2B
31	aB	203	PEB	CAB-CBB-CGB-O2B
33	CB	1001	CYC	CAD-CBD-CGD-O1D
33	C6	1001	CYC	CAD-CBD-CGD-O1D
31	VG	203	PEB	CAB-CBB-CGB-O1B
31	QH	201	PEB	CAB-CBB-CGB-O1B
31	S6	201	PEB	CAB-CBB-CGB-O1B
31	cF	202	PEB	CAB-CBB-CGB-O1B
31	iF	203	PEB	CAB-CBB-CGB-O2B
31	U4	203	PEB	C2B-C3B-CAB-CBB
31	MA	202	PEB	CAC-CBC-CGC-O1C
31	QF	203	PEB	CAC-CBC-CGC-O2C
31	FH	201	PEB	CAC-CBC-CGC-O2C
31	JJ	202	PEB	CAC-CBC-CGC-O2C
31	J5	202	PEB	CAC-CBC-CGC-O2C
31	Z6	201	PEB	CAB-CBB-CGB-O2B
31	dE	203	PEB	CAC-CBC-CGC-O1C
32	A4	303	PUB	CAC-CBC-CGC-O1C
33	J6	1001	CYC	CAD-CBD-CGD-O1D
33	M6	1001	CYC	CAD-CBD-CGD-O2D
31	JA	202	PEB	C2A-C3A-CAA-CBA
31	TA	202	PEB	C2A-C3A-CAA-CBA
31	AC	301	PEB	C2C-CAC-CBC-CGC
31	AC	302	PEB	C2C-CAC-CBC-CGC

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Mol	Chain	Res	Type	Atoms
31	OC	203	PEB	ND-C1D-CHC-C4C
31	YC	201	PEB	C2C-CAC-CBC-CGC
31	SD	202	PEB	ND-C1D-CHC-C4C
31	UD	203	PEB	ND-C1D-CHC-C4C
31	VD	201	PEB	C2C-CAC-CBC-CGC
31	SE	202	PEB	ND-C1D-CHC-C4C
31	UE	203	PEB	ND-C1D-CHC-C4C
31	QF	203	PEB	ND-C1D-CHC-C4C
31	JG	202	PEB	C2A-C3A-CAA-CBA
31	GH	202	PEB	C2C-CAC-CBC-CGC
31	QH	203	PEB	ND-C1D-CHC-C4C
31	AI	201	PEB	C2C-CAC-CBC-CGC
31	CI	201	PEB	C2C-CAC-CBC-CGC
31	EI	201	PEB	C2C-CAC-CBC-CGC
31	GI	201	PEB	C2C-CAC-CBC-CGC
31	II	201	PEB	C2C-CAC-CBC-CGC
31	JI	202	PEB	ND-C1D-CHC-C4C
31	KI	201	PEB	C2C-CAC-CBC-CGC
31	NI	201	PEB	C2C-CAC-CBC-CGC
31	PI	201	PEB	C2C-CAC-CBC-CGC
31	RI	201	PEB	C2C-CAC-CBC-CGC
31	TI	201	PEB	C2C-CAC-CBC-CGC
31	UI	202	PEB	ND-C1D-CHC-C4C
31	UI	204	PEB	C2C-CAC-CBC-CGC
31	VI	201	PEB	C2C-CAC-CBC-CGC
31	WI	202	PEB	ND-C1D-CHC-C4C
31	XI	201	PEB	C2C-CAC-CBC-CGC
31	DJ	201	PEB	ND-C1D-CHC-C4C
31	LJ	201	PEB	ND-C1D-CHC-C4C
31	LJ	203	PEB	ND-C1D-CHC-C4C
31	PJ	201	PEB	ND-C1D-CHC-C4C
31	EK	202	PEB	ND-C1D-CHC-C4C
31	E1	202	PEB	ND-C1D-CHC-C4C
31	O2	203	PEB	ND-C1D-CHC-C4C
31	A2	301	PEB	C2C-CAC-CBC-CGC
31	A2	302	PEB	C2C-CAC-CBC-CGC
31	Y2	201	PEB	C2C-CAC-CBC-CGC
31	f2	202	PEB	ND-C1D-CHC-C4C
31	h2	201	PEB	ND-C1D-CHC-C4C
31	h2	203	PEB	C2A-C3A-CAA-CBA
31	a2	201	PEB	C2C-CAC-CBC-CGC
31	b2	202	PEB	C2A-C3A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
31	A4	302	PEB	ND-C1D-CHC-C4C
31	I4	202	PEB	ND-C1D-CHC-C4C
31	Y4	203	PEB	ND-C1D-CHC-C4C
31	a4	201	PEB	ND-C1D-CHC-C4C
31	f4	202	PEB	ND-C1D-CHC-C4C
31	L5	201	PEB	ND-C1D-CHC-C4C
31	L5	203	PEB	ND-C1D-CHC-C4C
31	P5	201	PEB	ND-C1D-CHC-C4C
31	D5	201	PEB	ND-C1D-CHC-C4C
31	j6	201	PEB	C2C-CAC-CBC-CGC
31	c6	201	PEB	C2A-C3A-CAA-CBA
31	c6	203	PEB	ND-C1D-CHC-C4C
31	e6	201	PEB	ND-C1D-CHC-C4C
31	A7	203	PEB	ND-C1D-CHC-C4C
31	E7	201	PEB	ND-C1D-CHC-C4C
31	M7	203	PEB	ND-C1D-CHC-C4C
31	T7	202	PEB	ND-C1D-CHC-C4C
31	T7	202	PEB	C2C-CAC-CBC-CGC
31	U7	203	PEB	ND-C1D-CHC-C4C
31	W7	201	PEB	C2C-CAC-CBC-CGC
31	Q8	203	PEB	ND-C1D-CHC-C4C
31	Q8	203	PEB	C2A-C3A-CAA-CBA
31	c8	201	PEB	C2A-C3A-CAA-CBA
31	d8	201	PEB	ND-C1D-CHC-C4C
31	g8	203	PEB	ND-C1D-CHC-C4C
31	q8	202	PEB	ND-C1D-CHC-C4C
31	x8	302	PEB	C2A-C3A-CAA-CBA
31	F9	202	PEB	ND-C1D-CHC-C4C
31	J9	202	PEB	ND-C1D-CHC-C4C
31	M9	301	PEB	ND-C1D-CHC-C4C
31	O9	202	PEB	ND-C1D-CHC-C4C
31	Q9	202	PEB	ND-C1D-CHC-C4C
31	U9	202	PEB	ND-C1D-CHC-C4C
31	Y9	202	PEB	ND-C1D-CHC-C4C
31	Z9	301	PEB	ND-C1D-CHC-C4C
31	jB	201	PEB	C2C-CAC-CBC-CGC
31	mB	202	PEB	C2A-C3A-CAA-CBA
31	cB	201	PEB	C2A-C3A-CAA-CBA
31	cB	203	PEB	ND-C1D-CHC-C4C
31	eB	201	PEB	ND-C1D-CHC-C4C
31	fC	202	PEB	ND-C1D-CHC-C4C
31	gC	203	PEB	ND-C1D-CHC-C4C

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Mol	Chain	Res	Type	Atoms
31	hC	202	PEB	C2A-C3A-CAA-CBA
31	aC	201	PEB	C2C-CAC-CBC-CGC
31	bC	202	PEB	C2A-C3A-CAA-CBA
31	cD	201	PEB	C2A-C3A-CAA-CBA
31	dD	202	PEB	ND-C1D-CHC-C4C
31	lD	201	PEB	ND-C1D-CHC-C4C
31	cE	201	PEB	C2A-C3A-CAA-CBA
31	dE	202	PEB	ND-C1D-CHC-C4C
31	gE	201	PEB	C2A-C3A-CAA-CBA
31	lE	201	PEB	ND-C1D-CHC-C4C
31	cF	201	PEB	C2A-C3A-CAA-CBA
31	dF	201	PEB	ND-C1D-CHC-C4C
31	gF	203	PEB	ND-C1D-CHC-C4C
31	qF	202	PEB	ND-C1D-CHC-C4C
31	xF	302	PEB	C2A-C3A-CAA-CBA
31	jH	203	PEB	ND-C1D-CHC-C4C
32	AD	303	PUB	NA-C4A-CHA-C1B
32	AE	303	PUB	NA-C4A-CHA-C1B
32	AH	304	PUB	C3B-CAB-CBB-CGB
32	BH	302	PUB	NA-C4A-CHA-C1B
32	AJ	303	PUB	NA-C4A-CHA-C1B
32	B4	302	PUB	NA-C4A-CHA-C1B
32	A5	303	PUB	NA-C4A-CHA-C1B
33	EB	1001	CYC	C2C-C3C-CAC-CBC
33	E6	1001	CYC	C2C-C3C-CAC-CBC
31	TA	202	PEB	CAC-CBC-CGC-O1C
31	ZB	201	PEB	CAB-CBB-CGB-O2B
31	RD	201	PEB	CAC-CBC-CGC-O1C
31	VD	201	PEB	CAB-CBB-CGB-O1B
31	RE	201	PEB	CAC-CBC-CGC-O1C
31	HG	203	PEB	CAB-CBB-CGB-O1B
31	SH	203	PEB	CAB-CBB-CGB-O1B
31	XH	202	PEB	CAC-CBC-CGC-O1C
31	E4	202	PEB	CAB-CBB-CGB-O1B
31	g4	202	PEB	CAC-CBC-CGC-O2C
31	X8	202	PEB	CAC-CBC-CGC-O1C
31	K8	201	PEB	CAC-CBC-CGC-O2C
31	F9	201	PEB	CAB-CBB-CGB-O1B
31	dD	203	PEB	CAC-CBC-CGC-O1C
33	JB	1001	CYC	CAD-CBD-CGD-O1D
33	MB	1001	CYC	CAD-CBD-CGD-O2D
33	FD	202	CYC	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
31	JA	202	PEB	CAC-CBC-CGC-O1C
31	UA	302	PEB	CAC-CBC-CGC-O1C
31	WC	203	PEB	CAB-CBB-CGB-O1B
31	JE	201	PEB	CAC-CBC-CGC-O1C
31	VE	201	PEB	CAB-CBB-CGB-O1B
31	VE	201	PEB	CAB-CBB-CGB-O2B
31	NF	202	PEB	CAC-CBC-CGC-O2C
31	XF	202	PEB	CAC-CBC-CGC-O1C
31	AI	201	PEB	CAB-CBB-CGB-O1B
31	CI	201	PEB	CAB-CBB-CGB-O1B
31	EI	201	PEB	CAB-CBB-CGB-O1B
31	GI	201	PEB	CAB-CBB-CGB-O1B
31	II	201	PEB	CAB-CBB-CGB-O1B
31	KI	201	PEB	CAB-CBB-CGB-O1B
31	NI	201	PEB	CAB-CBB-CGB-O1B
31	PI	201	PEB	CAB-CBB-CGB-O1B
31	TI	201	PEB	CAB-CBB-CGB-O1B
31	VI	201	PEB	CAB-CBB-CGB-O1B
31	XI	201	PEB	CAB-CBB-CGB-O1B
31	k6	202	PEB	CAC-CBC-CGC-O2C
31	N8	202	PEB	CAC-CBC-CGC-O2C
31	Q8	203	PEB	CAC-CBC-CGC-O2C
31	B9	201	PEB	CAB-CBB-CGB-O2B
31	bD	202	PEB	CAB-CBB-CGB-O1B
31	iD	202	PEB	CAC-CBC-CGC-O1C
31	bE	201	PEB	CAB-CBB-CGB-O1B
31	iE	202	PEB	CAC-CBC-CGC-O1C
32	AJ	303	PUB	CAC-CBC-CGC-O1C
32	A5	303	PUB	CAC-CBC-CGC-O1C
32	x8	306	PUB	CAB-CBB-CGB-O1B
32	xF	306	PUB	CAB-CBB-CGB-O1B
33	FB	1001	CYC	CAD-CBD-CGD-O1D
33	CE	1001	CYC	CAD-CBD-CGD-O1D
33	F6	1001	CYC	CAD-CBD-CGD-O1D
31	SG	201	PEB	C4B-C3B-CAB-CBB
31	k6	202	PEB	C4B-C3B-CAB-CBB
31	kB	202	PEB	C4B-C3B-CAB-CBB
31	VB	202	PEB	CAB-CBB-CGB-O2B
31	VD	201	PEB	CAB-CBB-CGB-O2B
31	RI	201	PEB	CAB-CBB-CGB-O1B
31	NJ	202	PEB	CAC-CBC-CGC-O1C
31	W2	203	PEB	CAB-CBB-CGB-O1B

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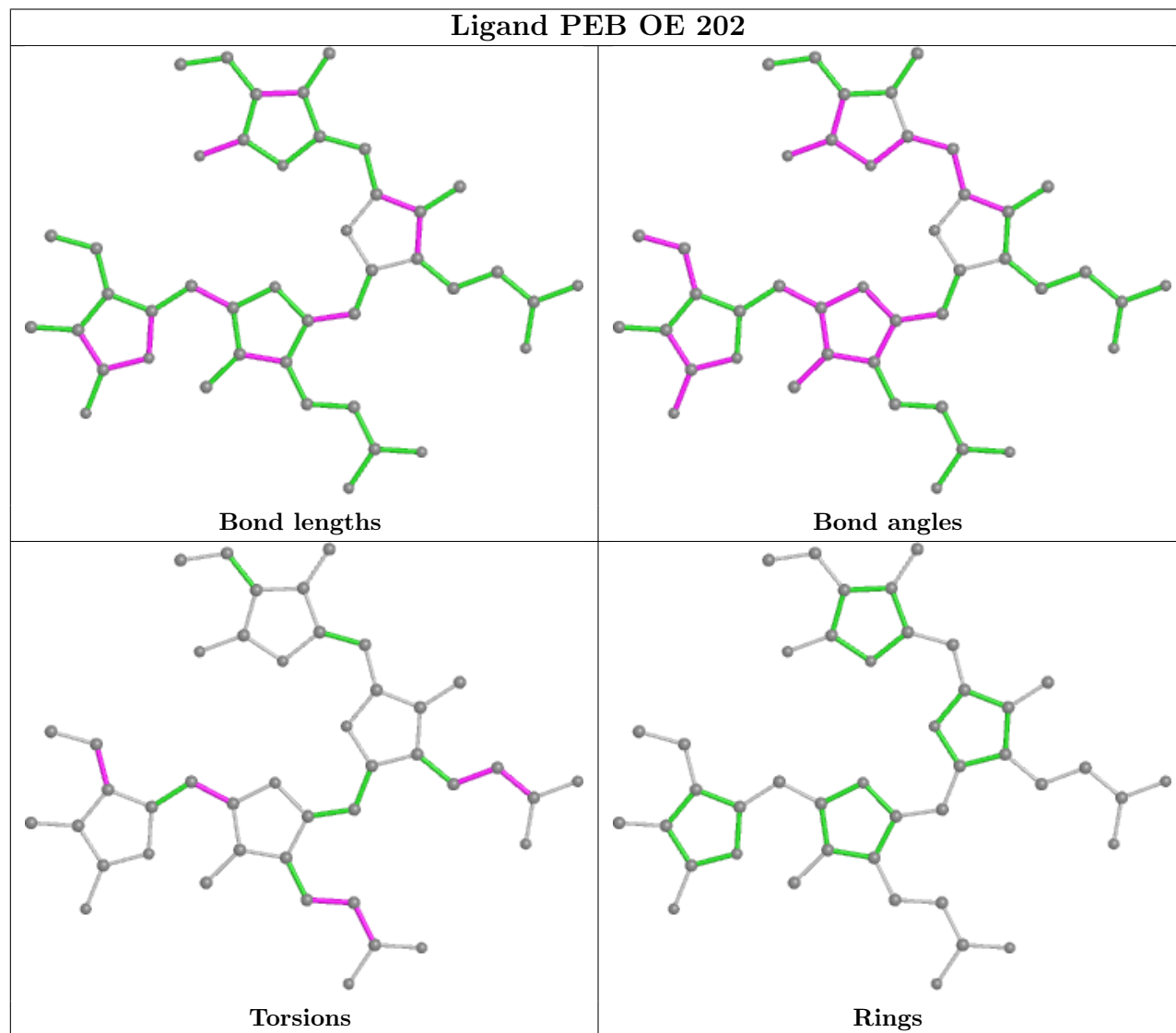
Mol	Chain	Res	Type	Atoms
31	N5	202	PEB	CAC-CBC-CGC-O1C
31	V6	202	PEB	CAB-CBB-CGB-O2B
31	u8	202	PEB	CAB-CBB-CGB-O1B
31	cA	401	PEB	CAC-CBC-CGC-O2C
31	kB	202	PEB	CAC-CBC-CGC-O2C
32	x8	306	PUB	CAB-CBB-CGB-O2B
32	xF	306	PUB	CAB-CBB-CGB-O2B
32	BH	302	PUB	C2D-C3D-CAD-CBD
31	fA	301	PEB	C2B-C3B-CAB-CBB
31	hA	301	PEB	C2B-C3B-CAB-CBB
31	ZD	202	PEB	C3B-CAB-CBB-CGB
31	YE	202	PEB	C3B-CAB-CBB-CGB
31	MH	201	PEB	C3B-CAB-CBB-CGB
31	AJ	304	PEB	C3B-CAB-CBB-CGB
31	S4	202	PEB	C3B-CAB-CBB-CGB
31	dD	202	PEB	C3B-CAB-CBB-CGB
31	UB	201	PEB	CAB-CBB-CGB-O2B
31	GD	202	PEB	CAC-CBC-CGC-O1C
31	ZG	401	PEB	CAB-CBB-CGB-O2B
31	L1	201	PEB	CAC-CBC-CGC-O2C
31	uF	203	PEB	CAB-CBB-CGB-O1B
31	NA	201	PEB	CAC-CBC-CGC-O2C
31	W4	201	PEB	CAB-CBB-CGB-O2B
31	N7	201	PEB	CAC-CBC-CGC-O1C
31	K8	201	PEB	CAC-CBC-CGC-O1C
31	t8	203	PEB	CAC-CBC-CGC-O2C
31	bD	202	PEB	CAB-CBB-CGB-O2B
31	bE	201	PEB	CAB-CBB-CGB-O2B
31	uF	201	PEB	CAC-CBC-CGC-O2C
31	uF	203	PEB	CAB-CBB-CGB-O2B
32	AH	303	PUB	CAC-CBC-CGC-O1C
33	JC	1001	CYC	CAD-CBD-CGD-O1D
33	KC	201	CYC	CAD-CBD-CGD-O1D
33	KE	202	CYC	CAD-CBD-CGD-O2D
33	K2	201	CYC	CAD-CBD-CGD-O1D

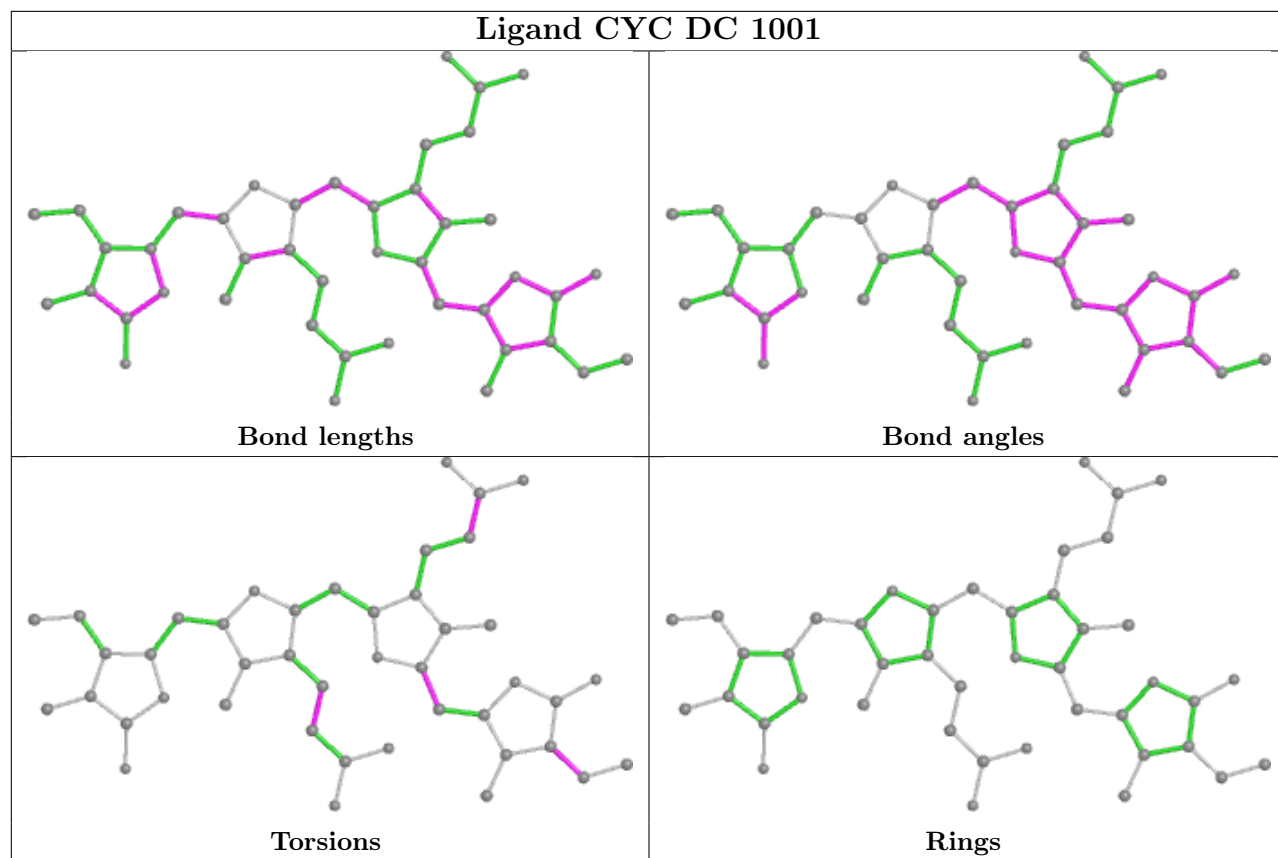
There are no ring outliers.

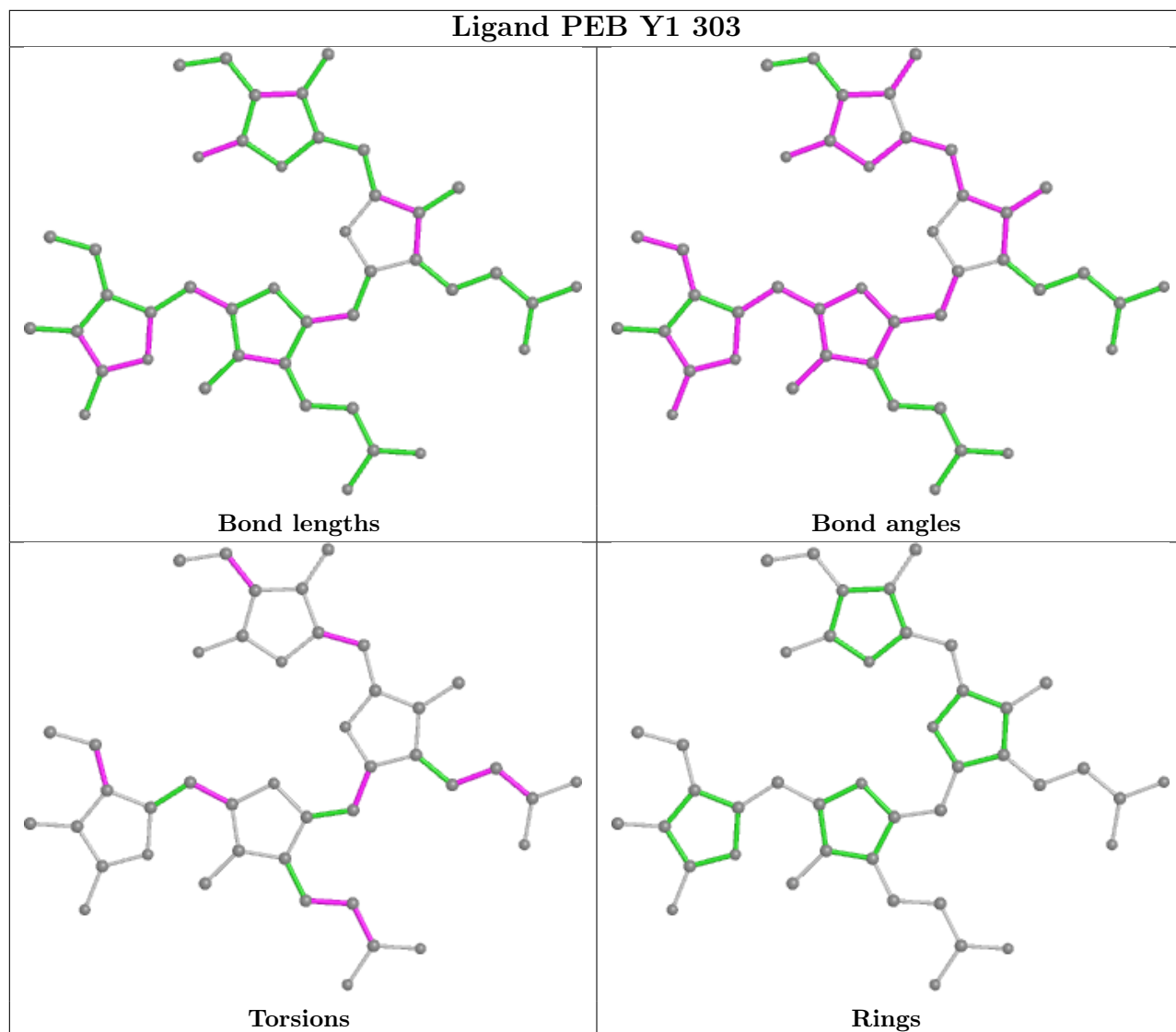
No monomer is involved in short contacts.

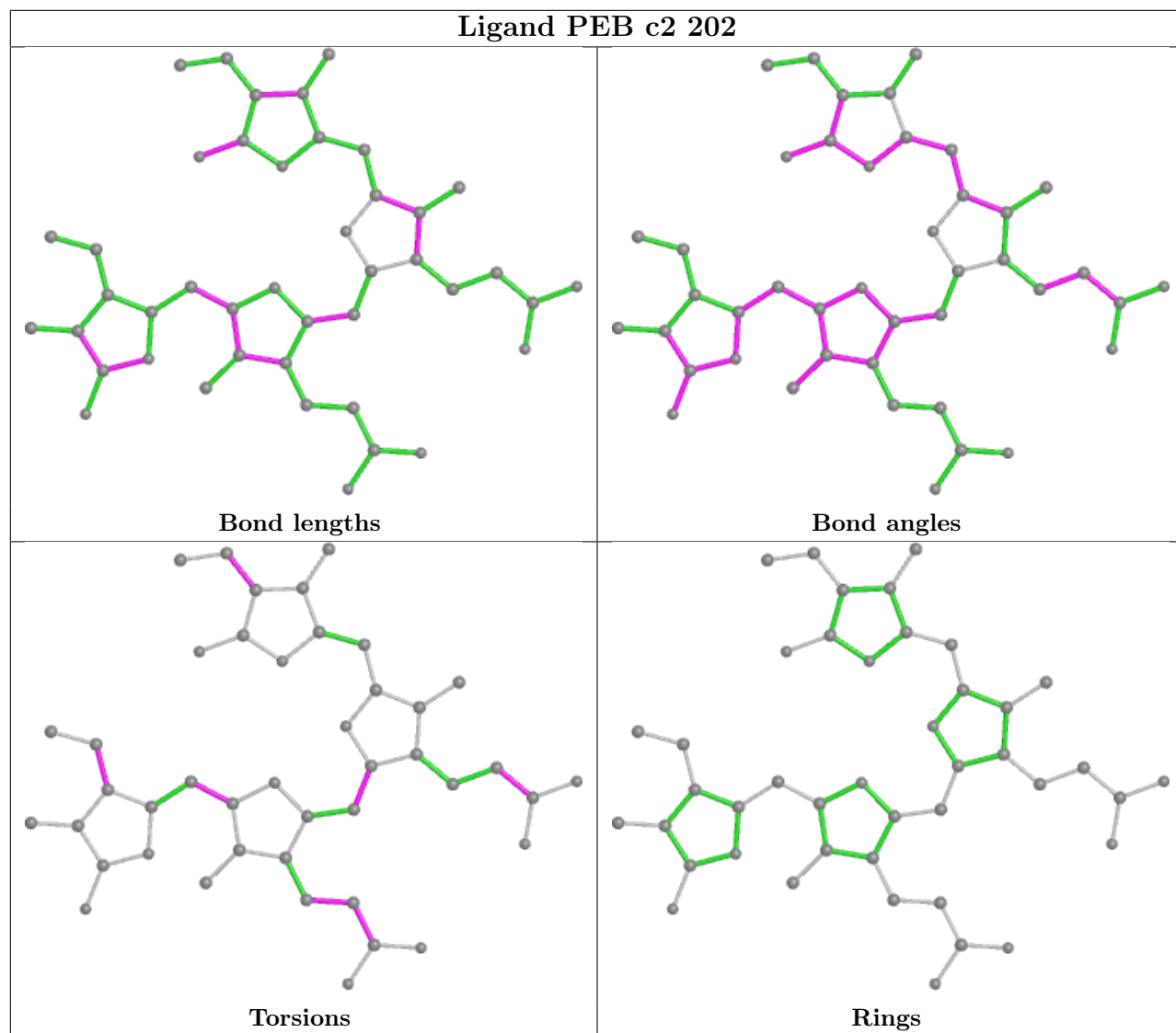
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is

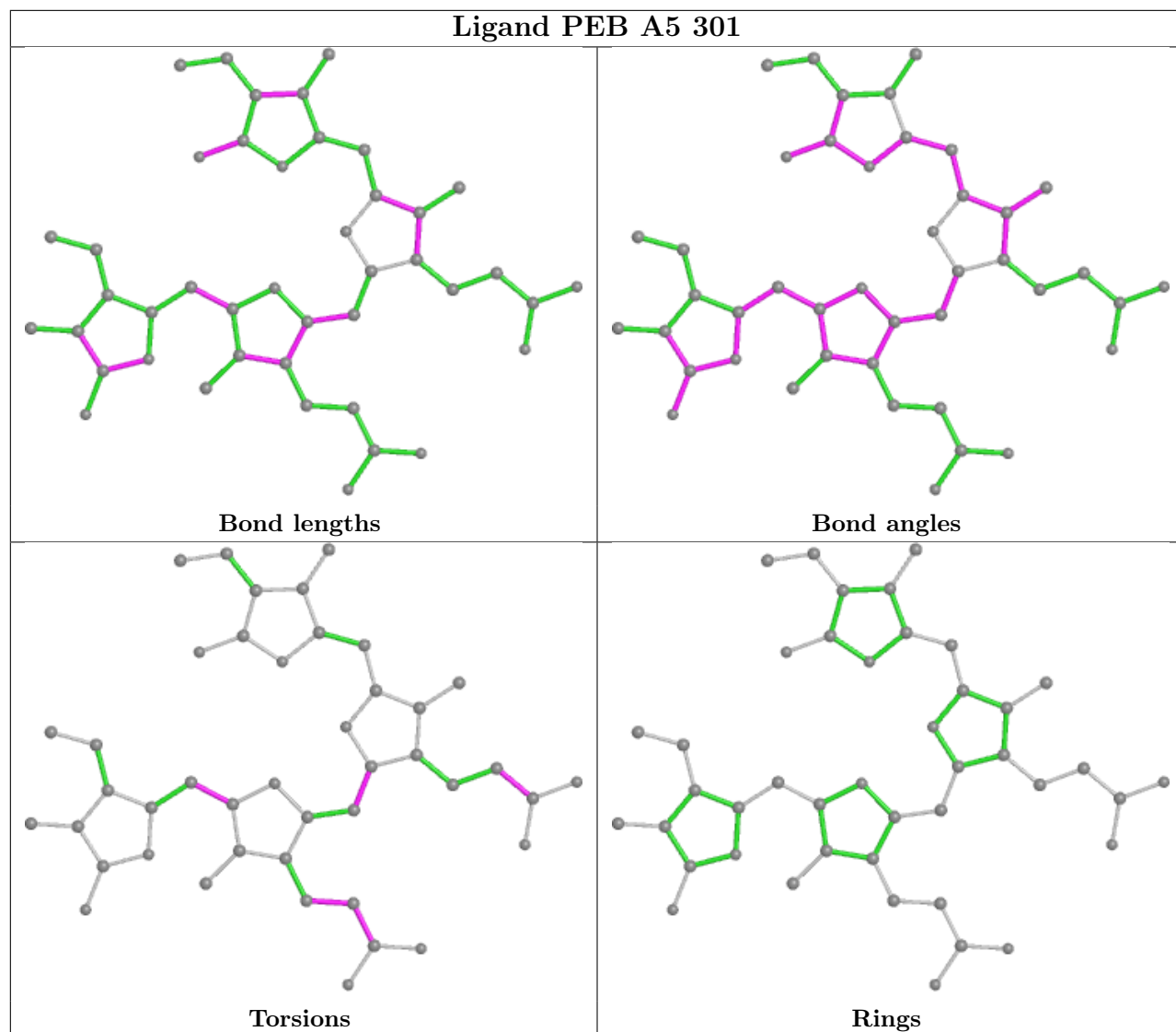
within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

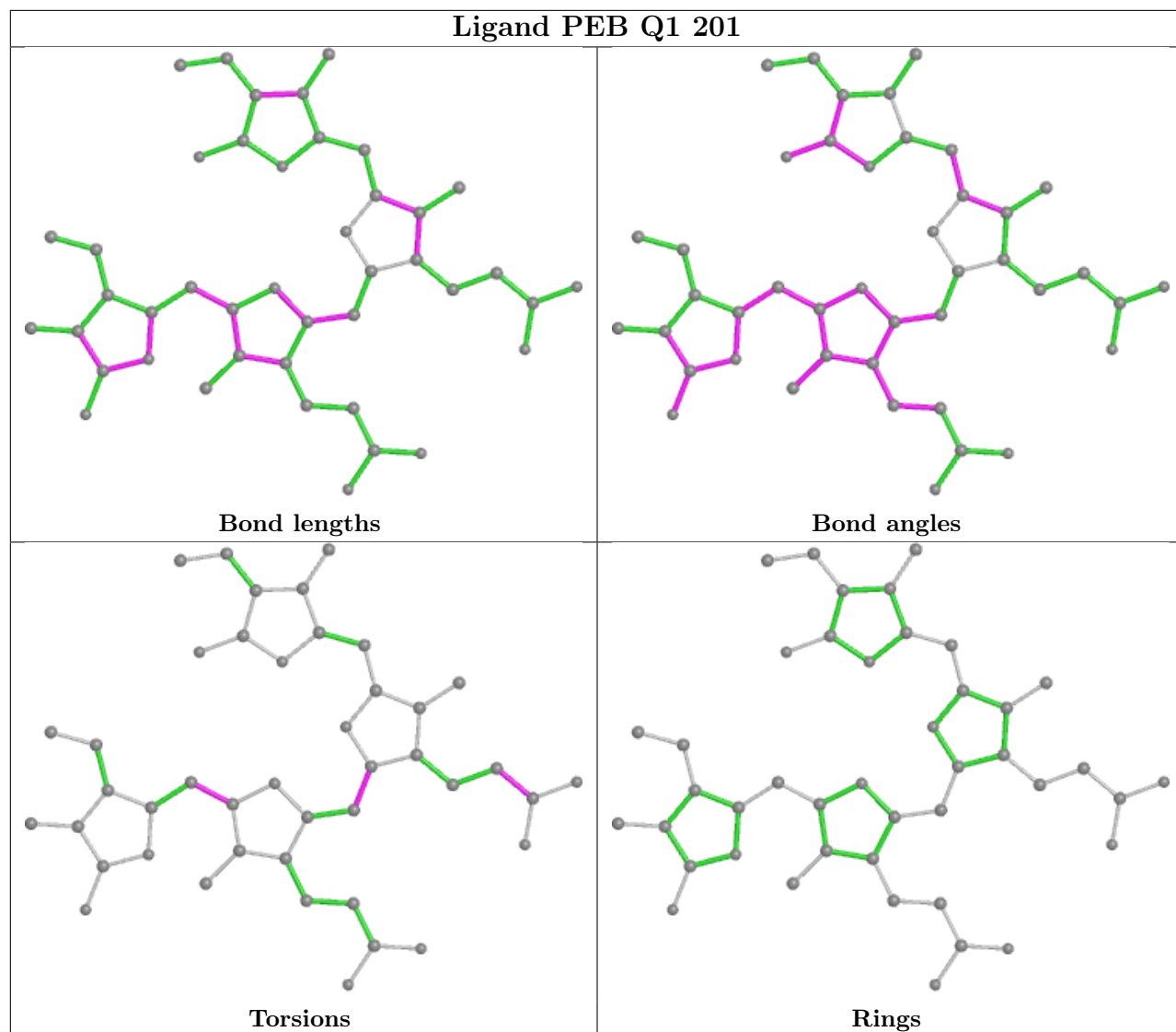


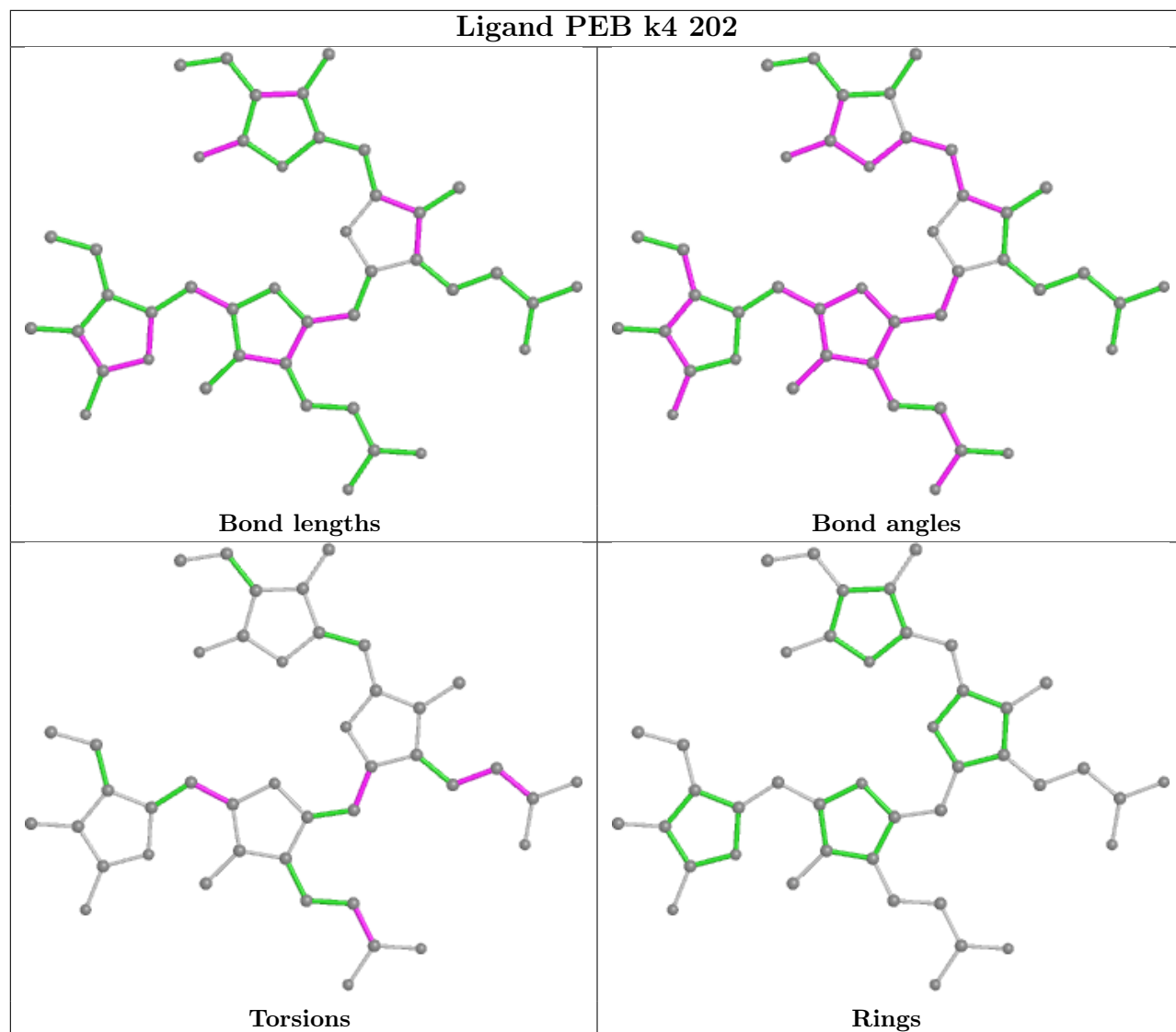


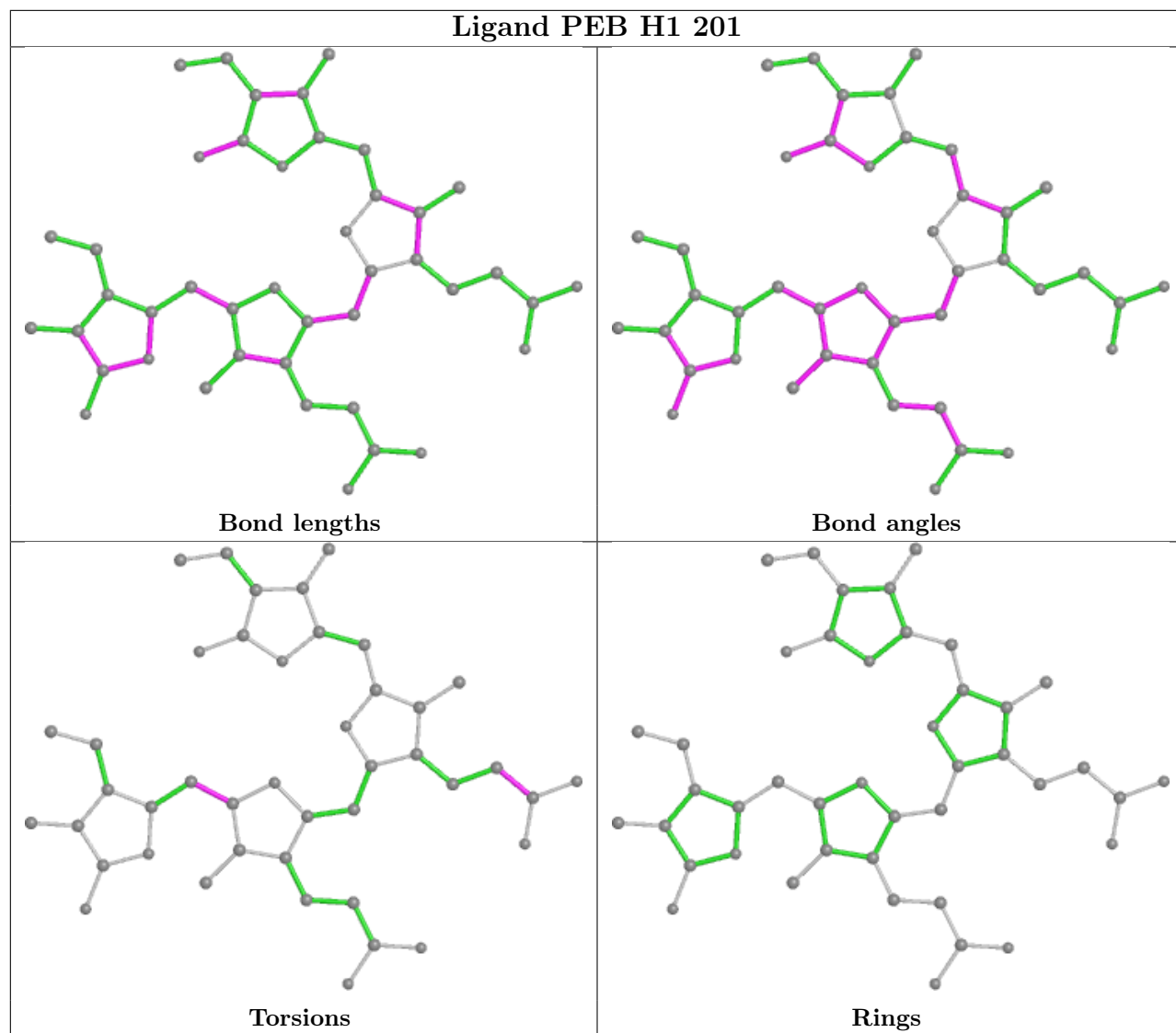


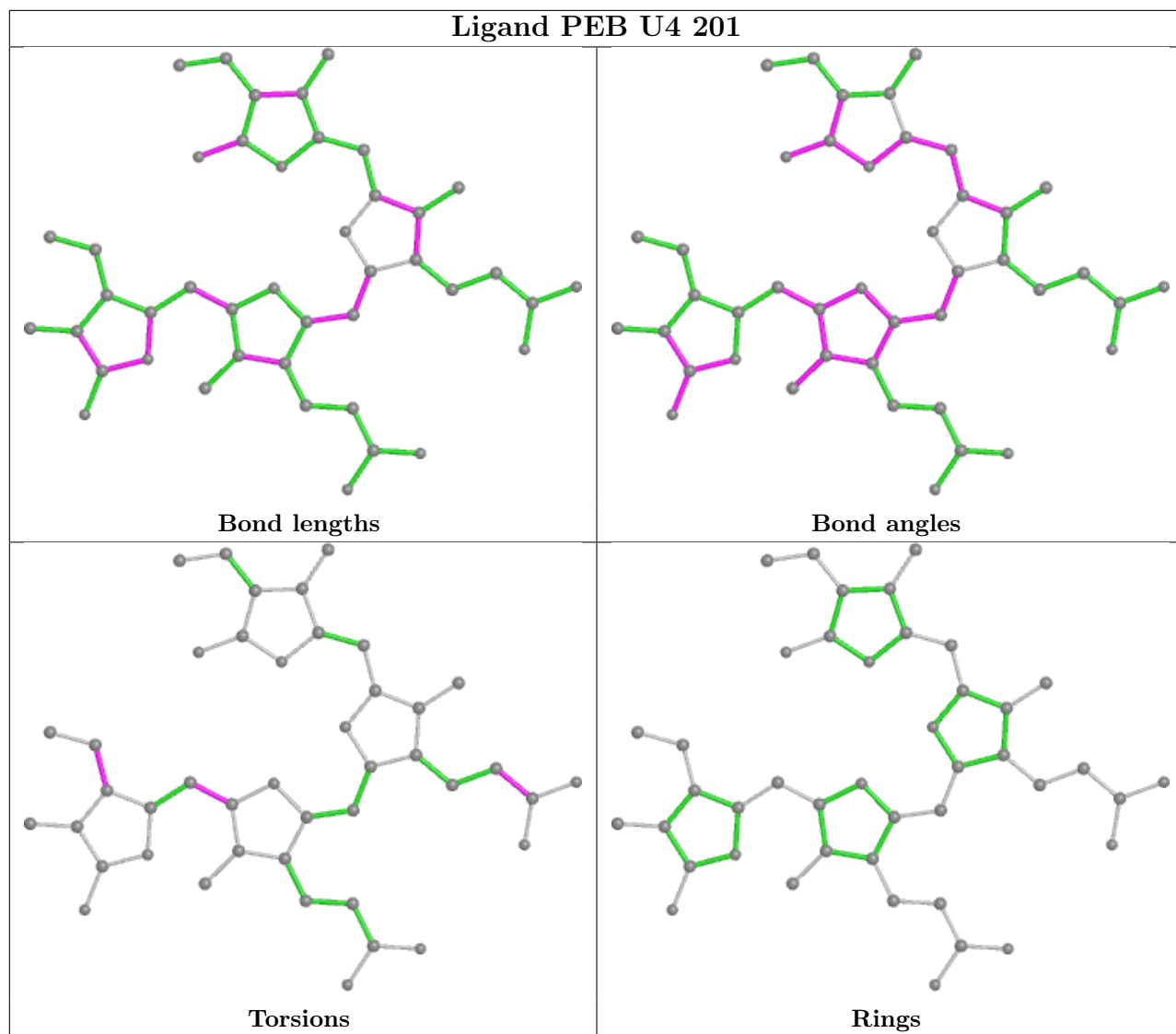


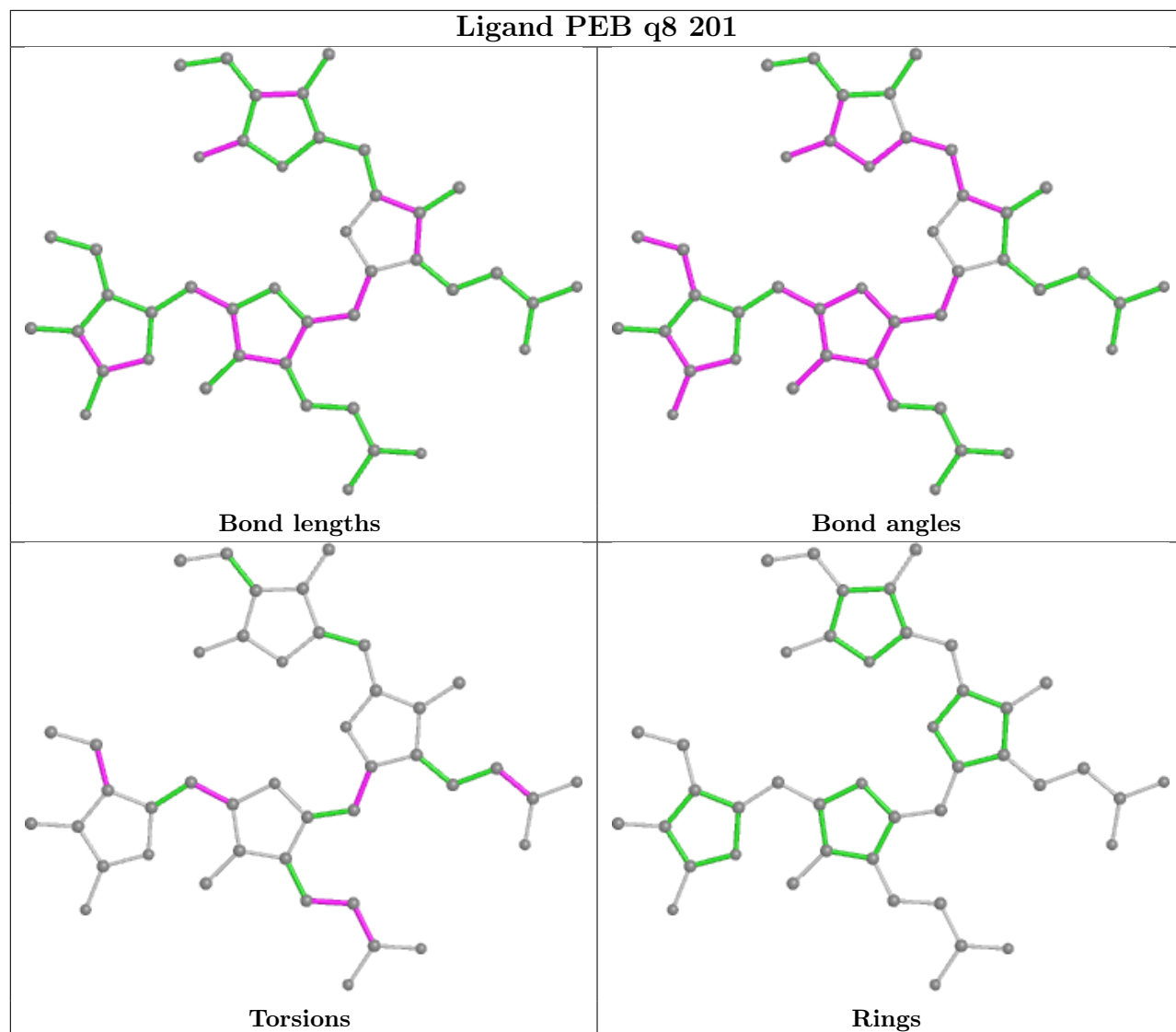


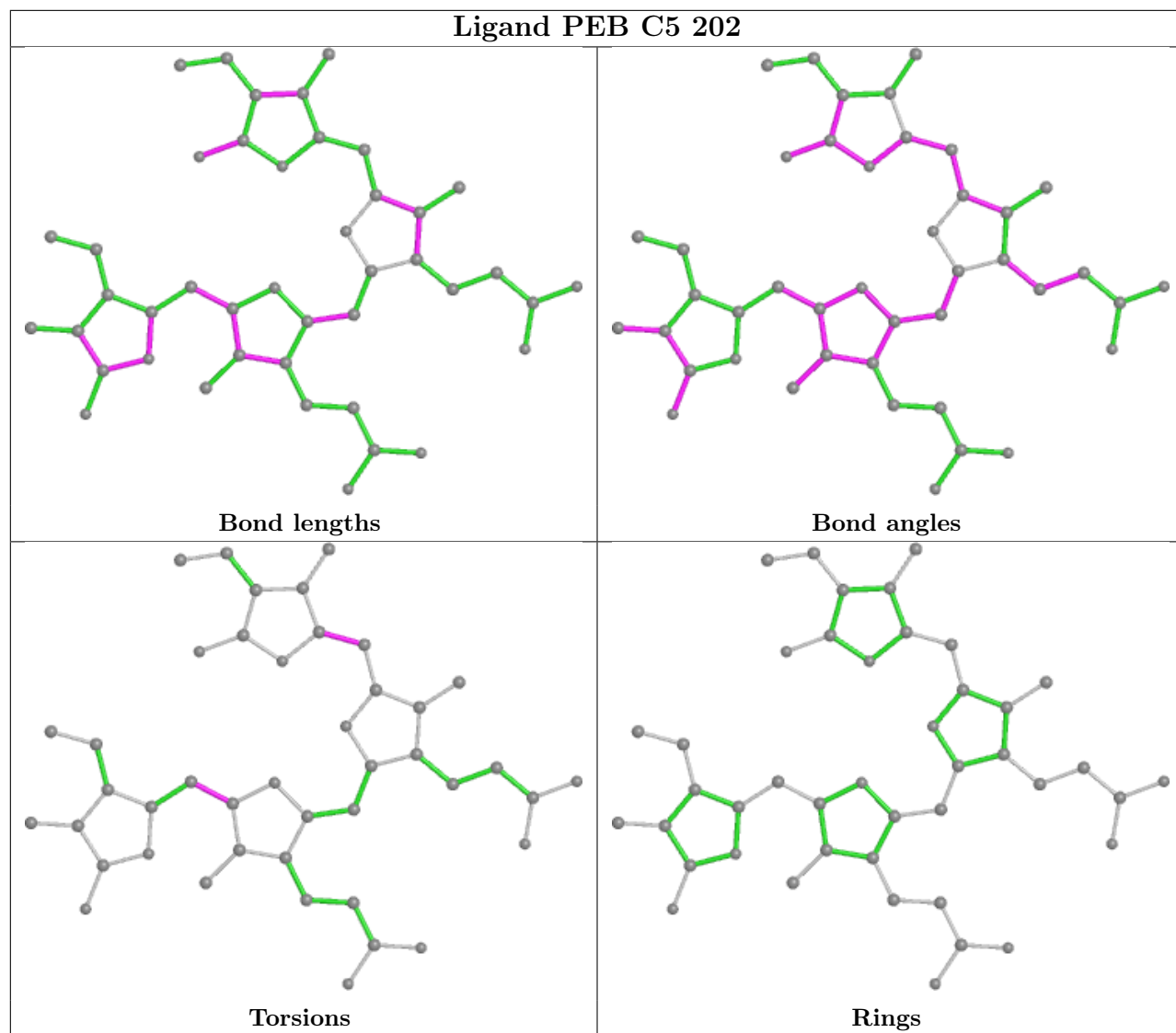


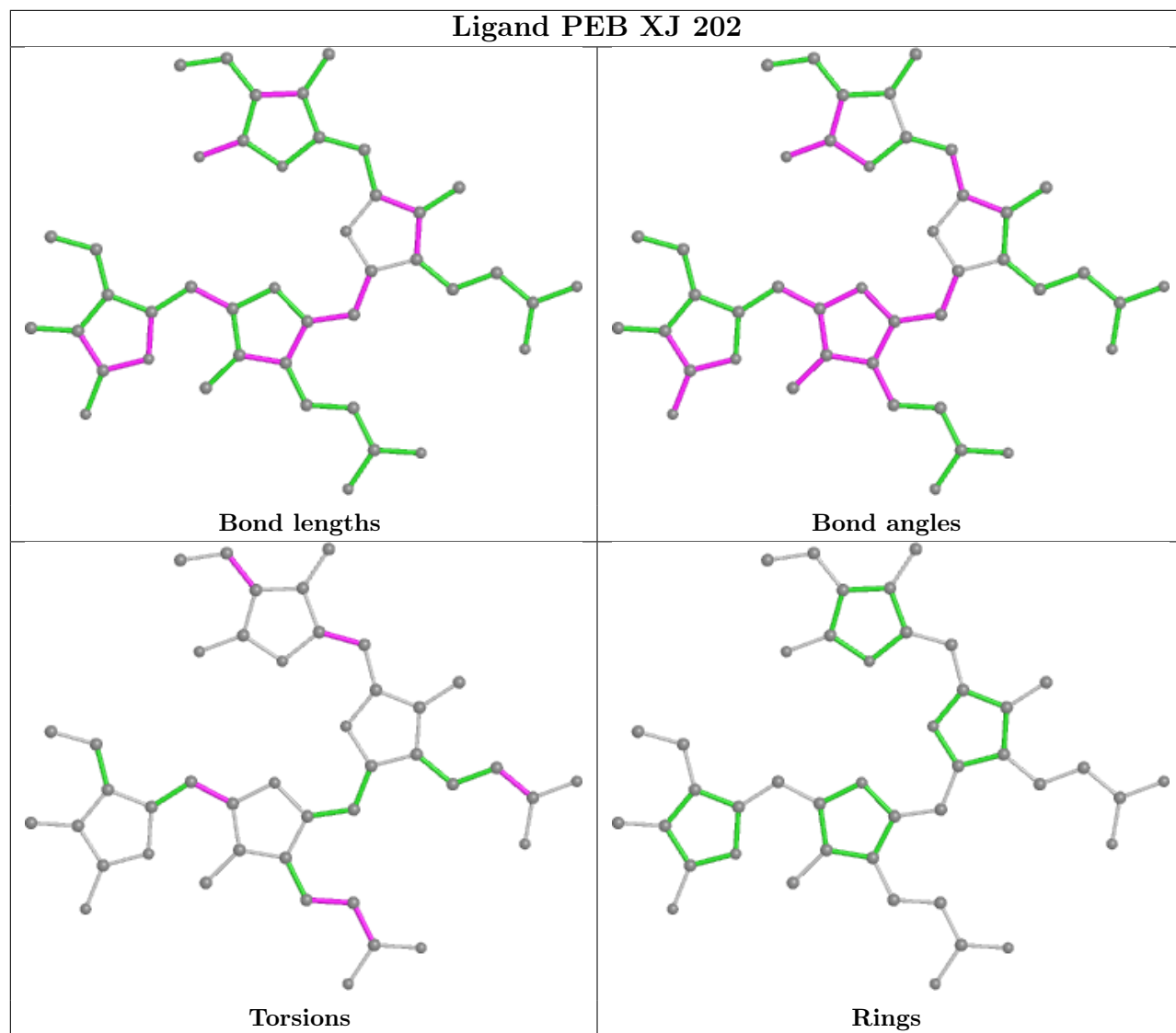


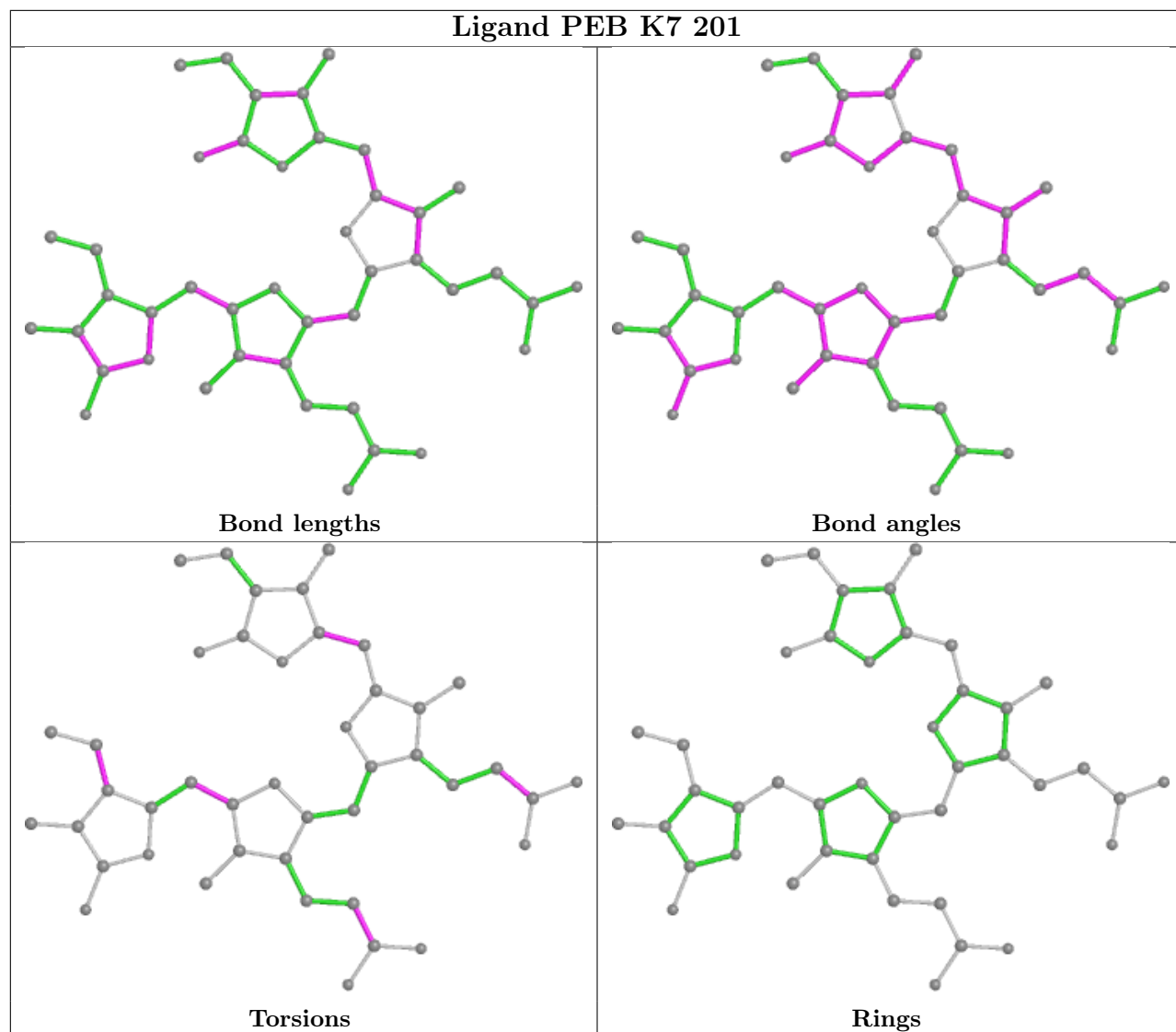


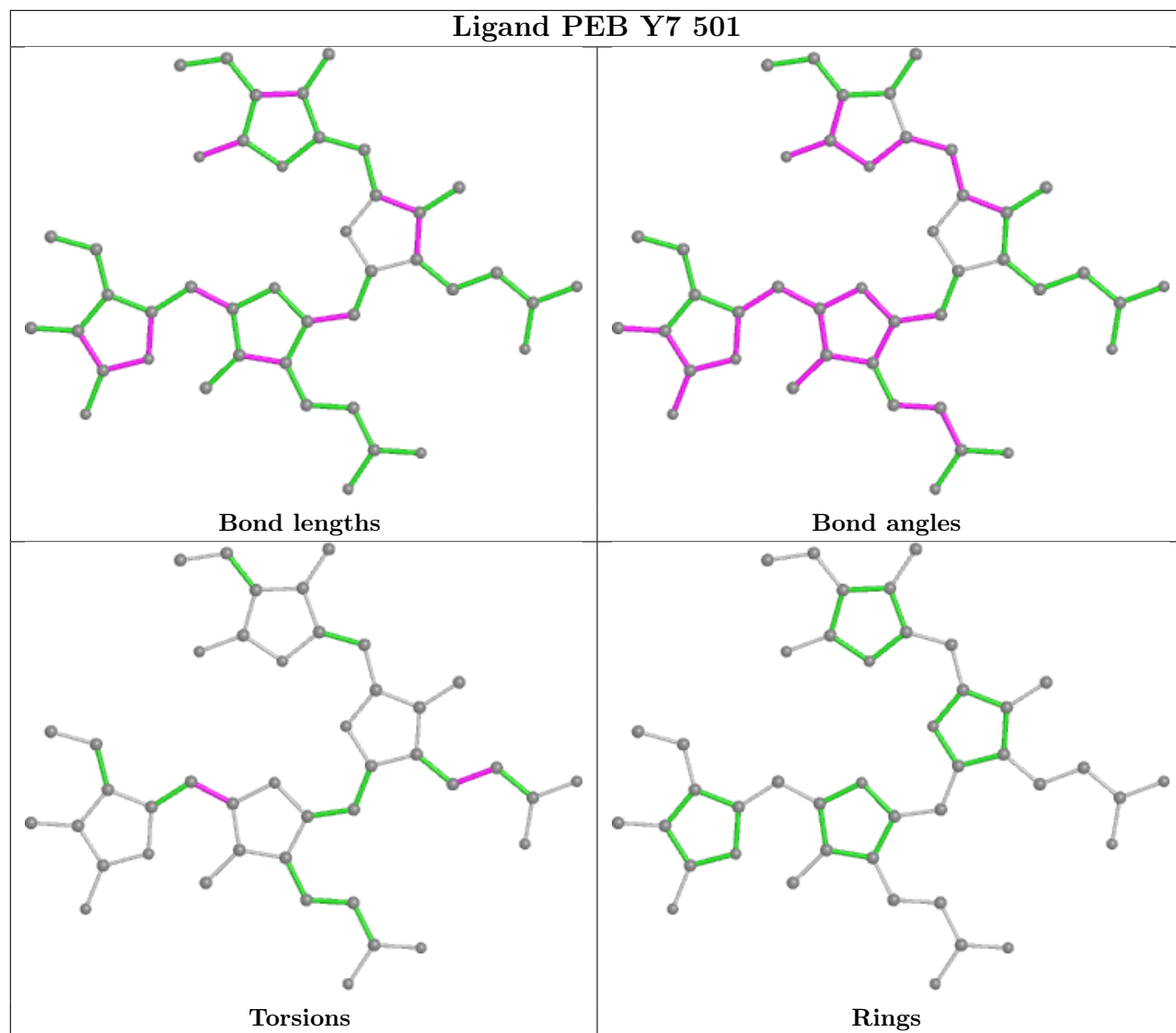


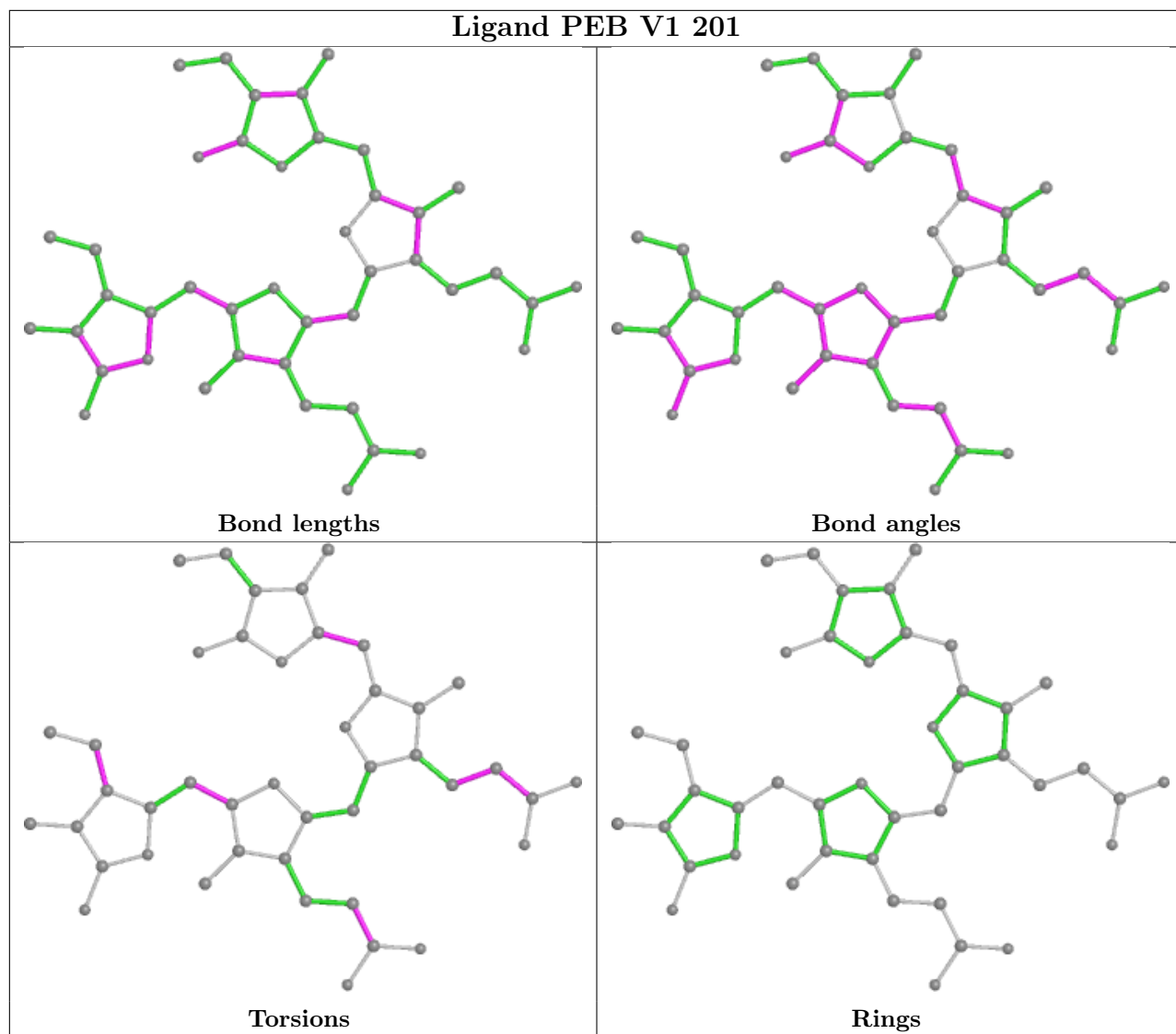


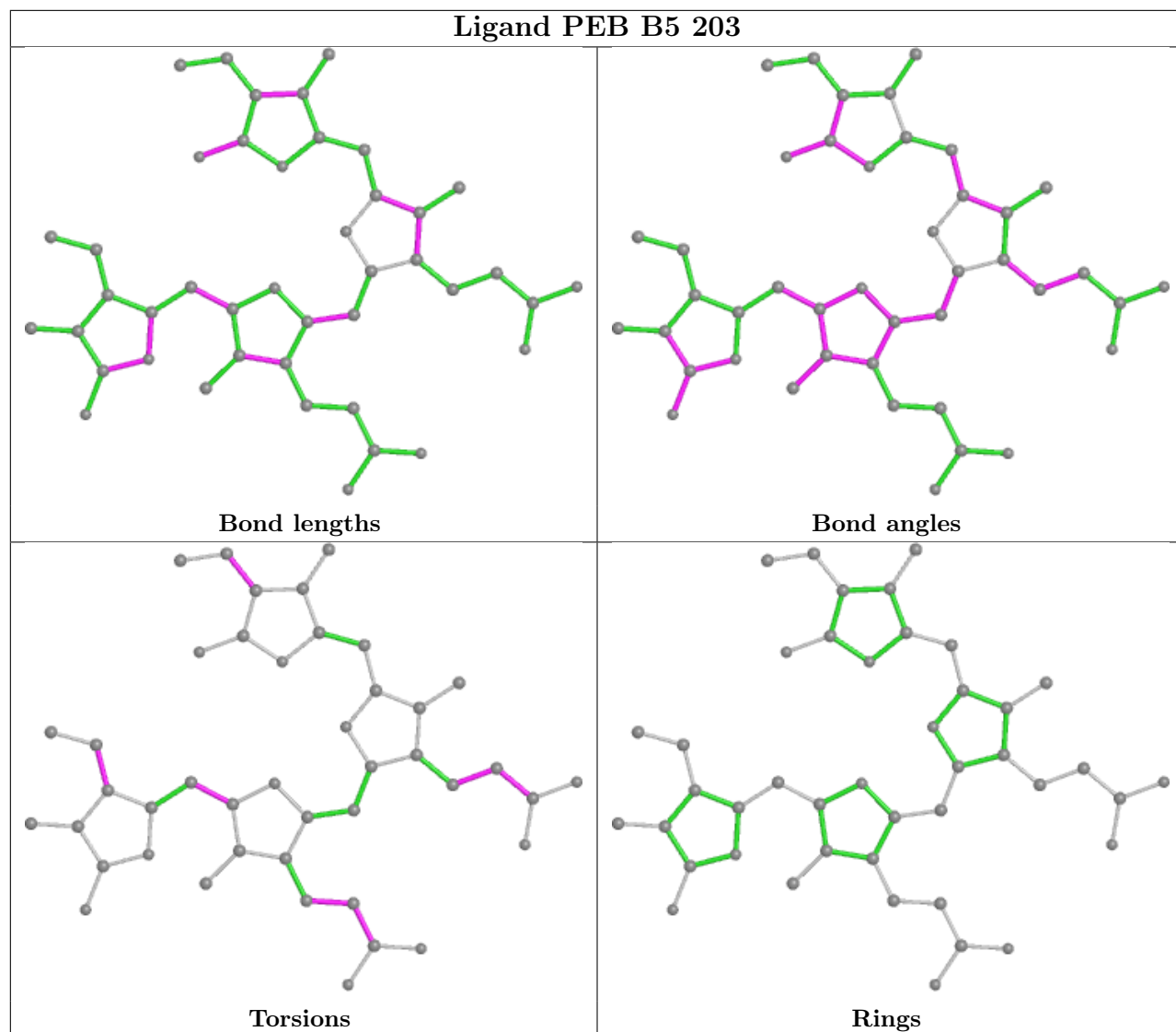


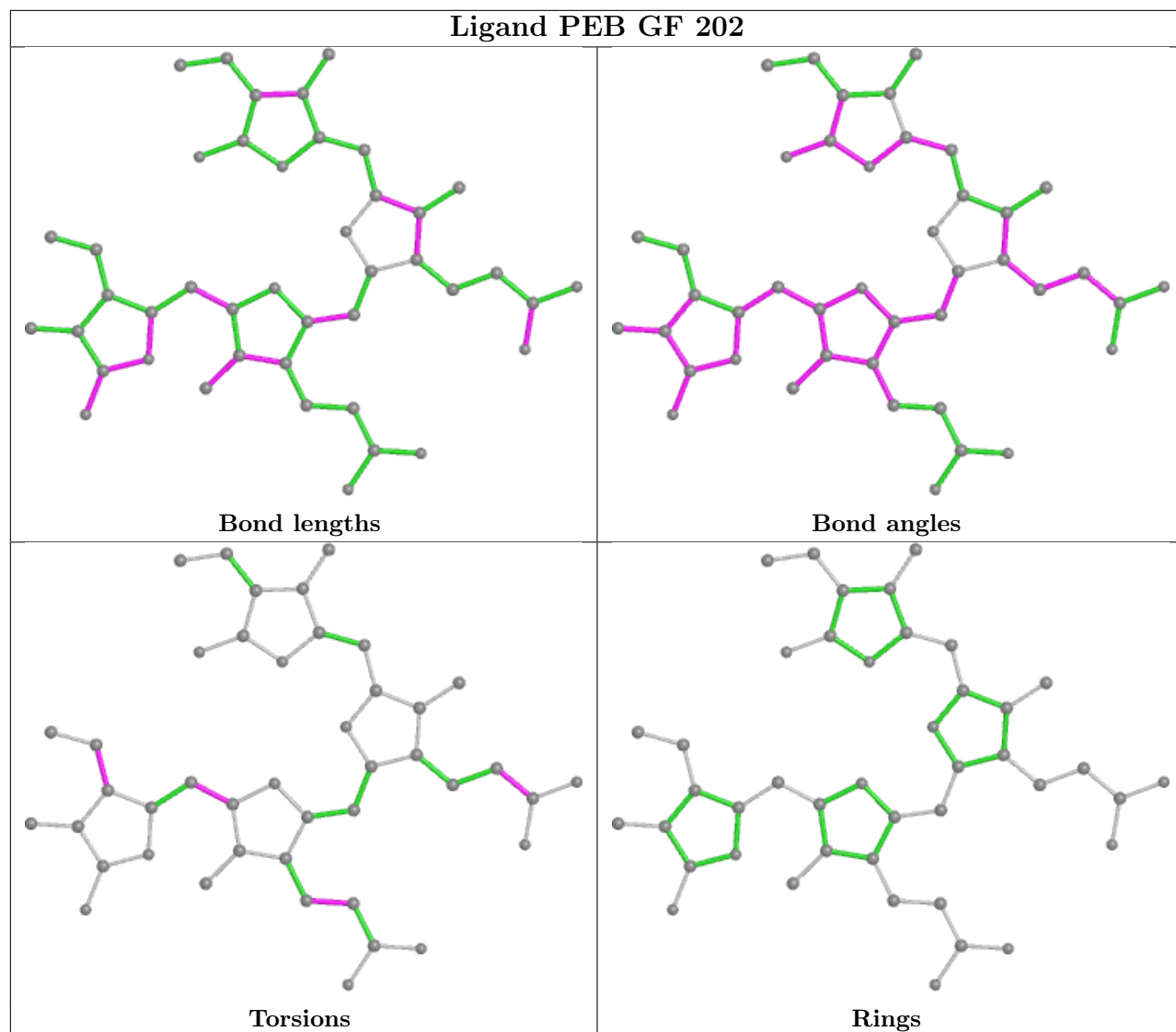


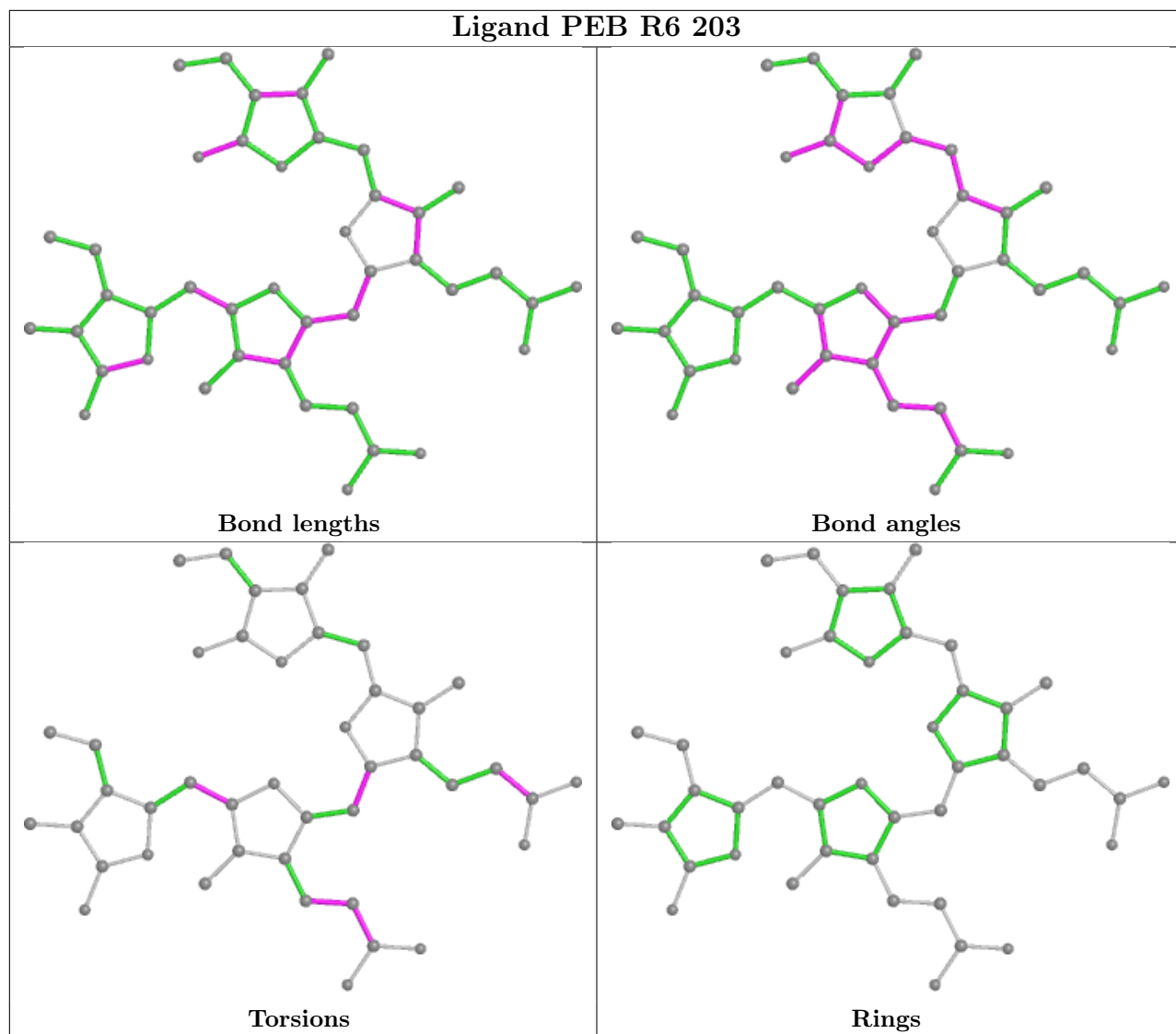


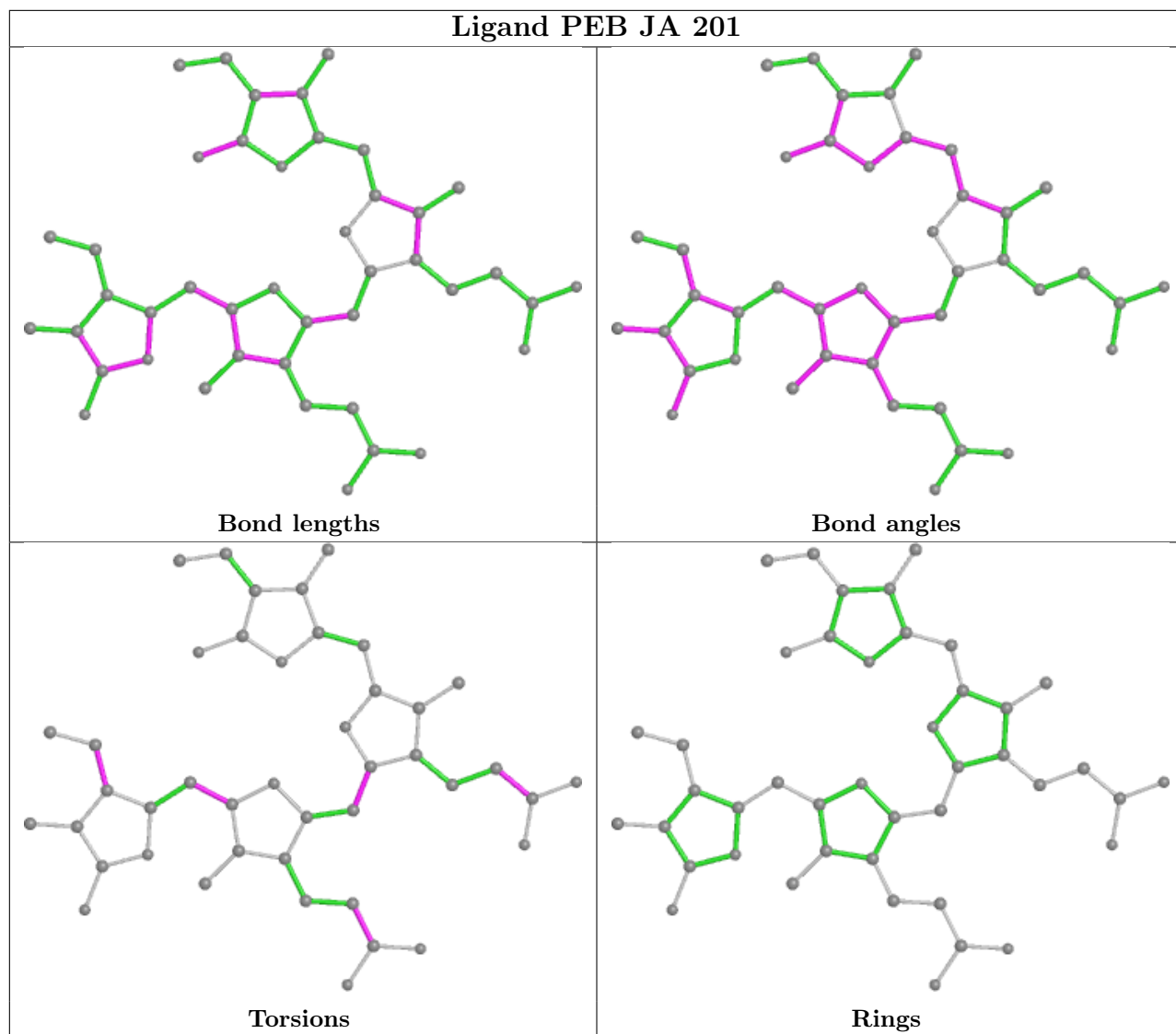


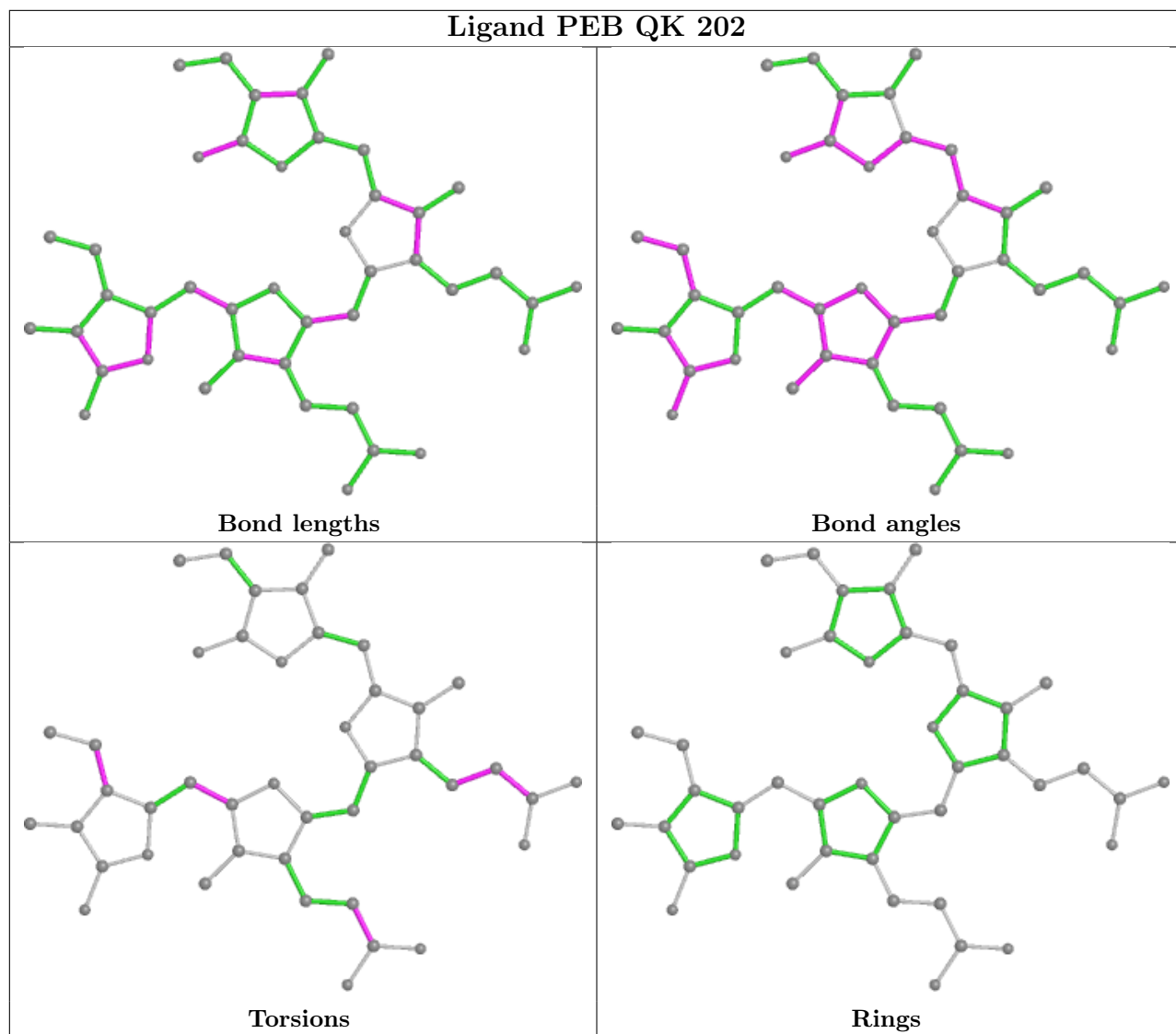


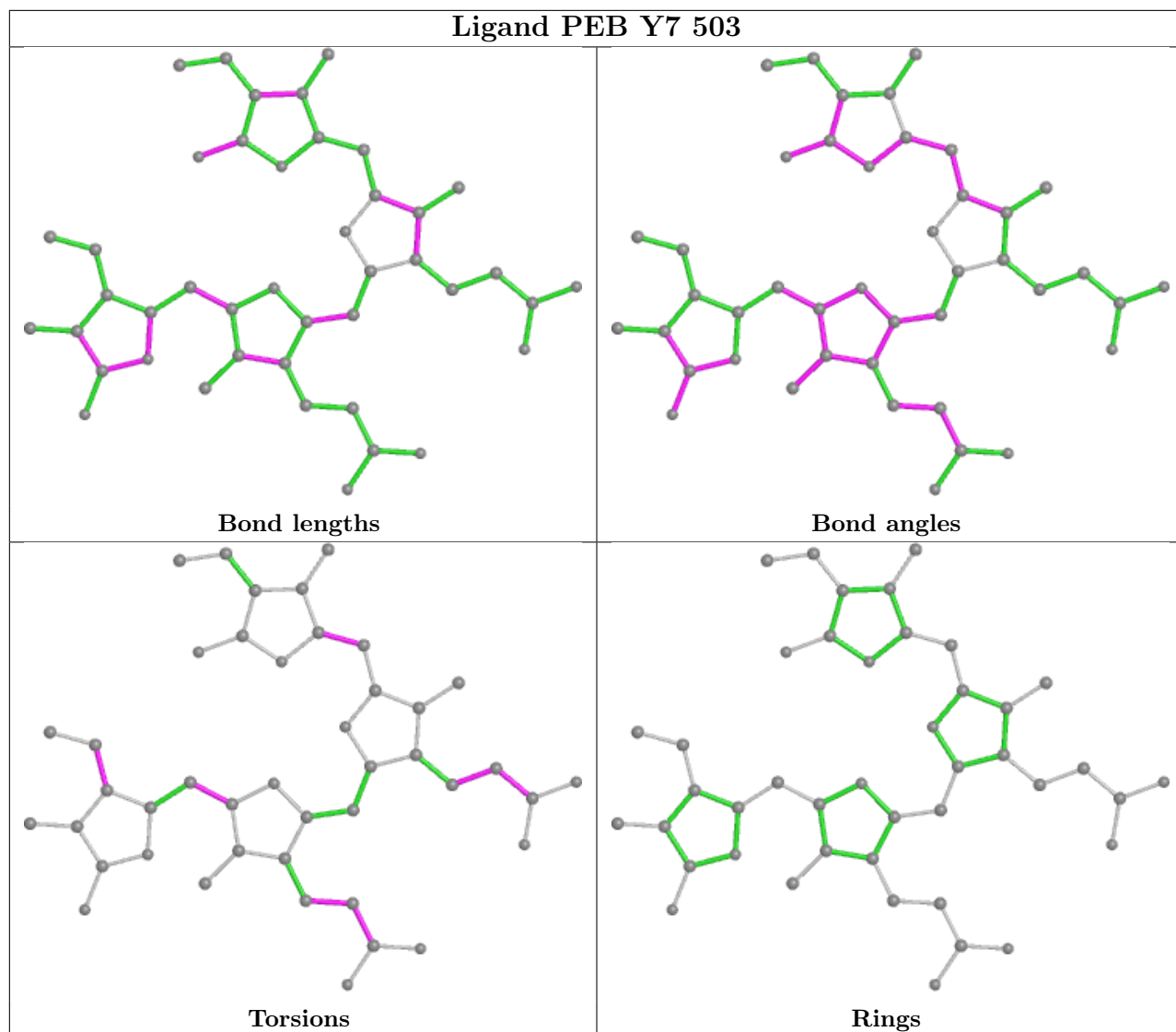


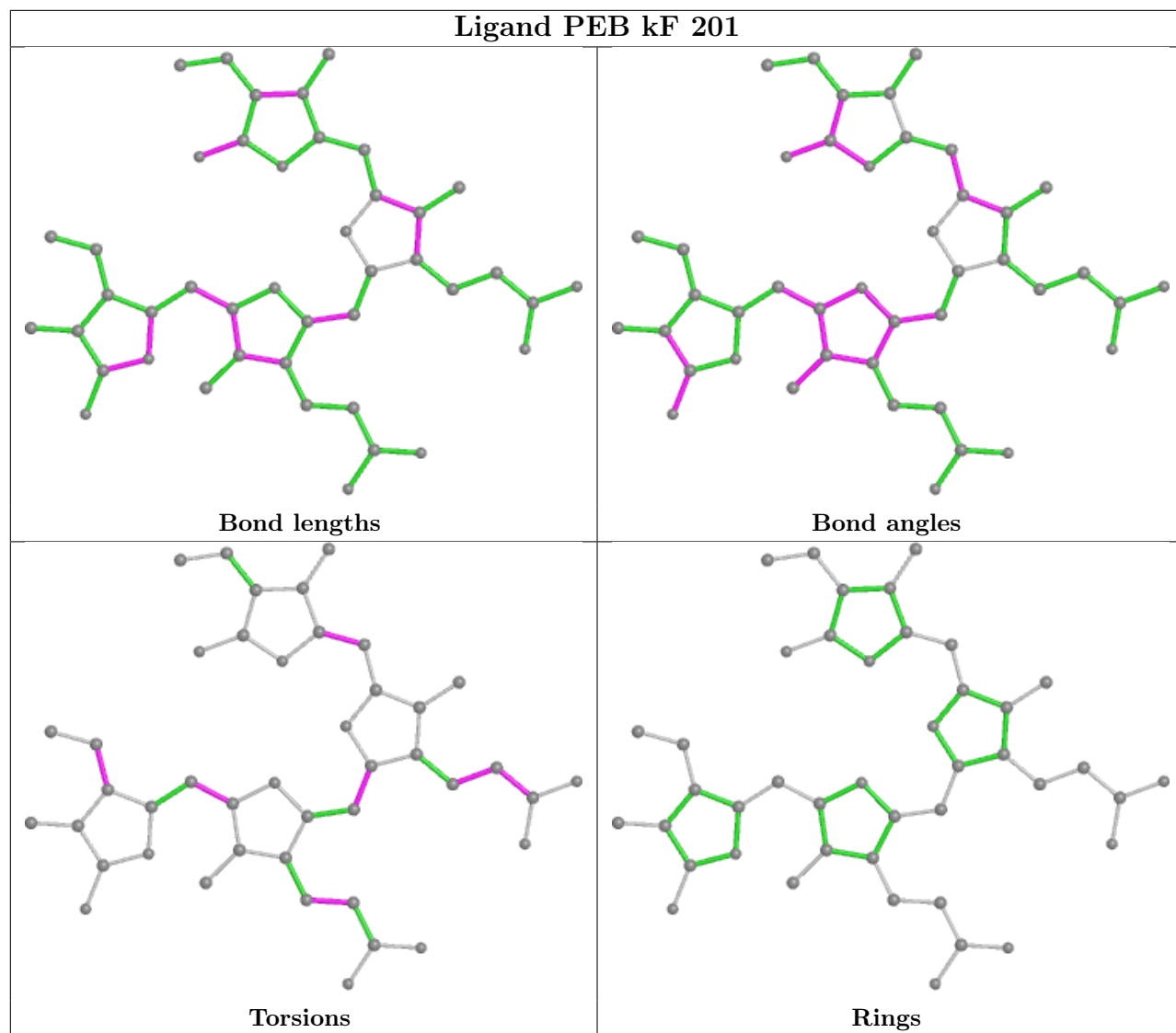


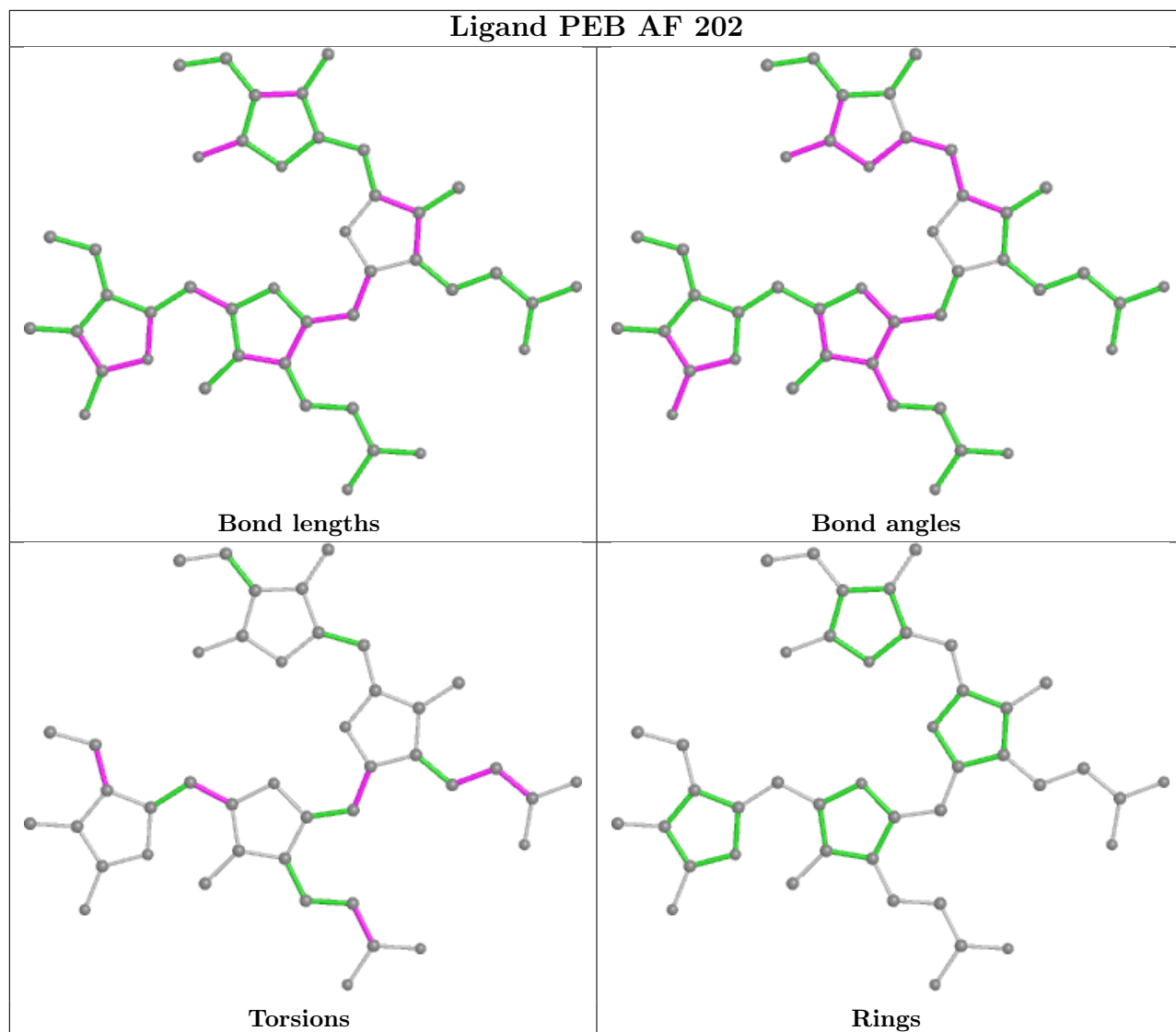


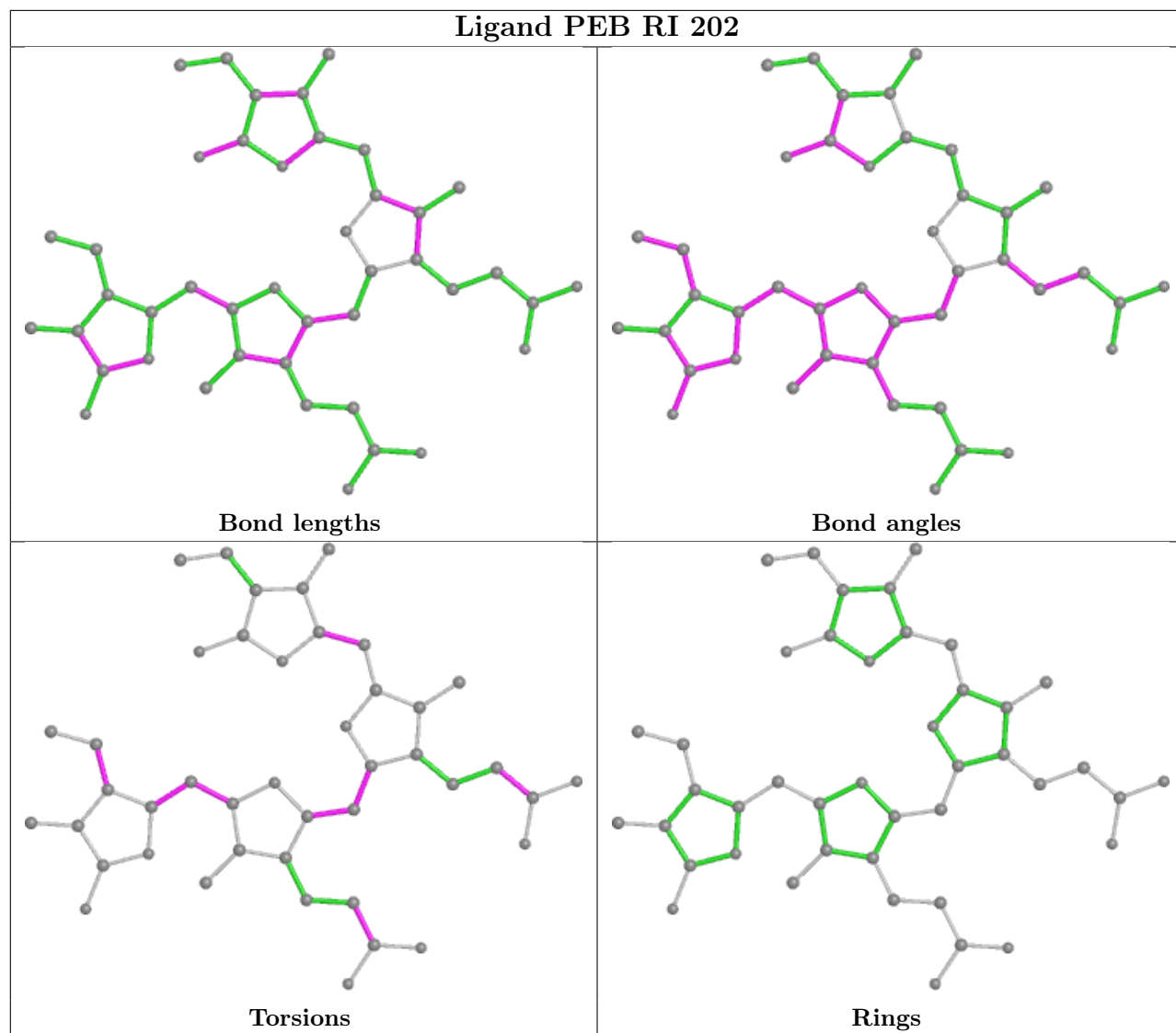


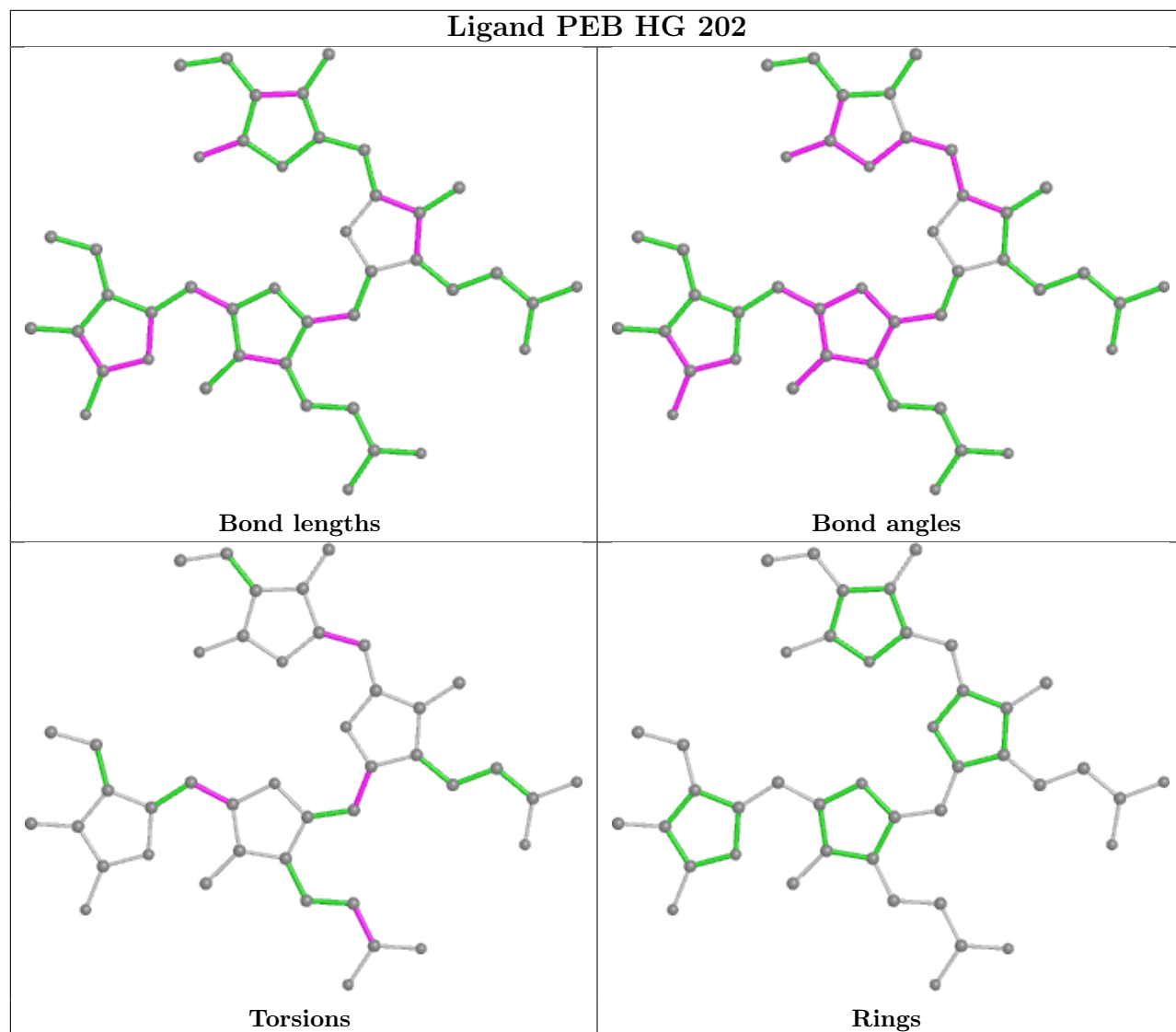


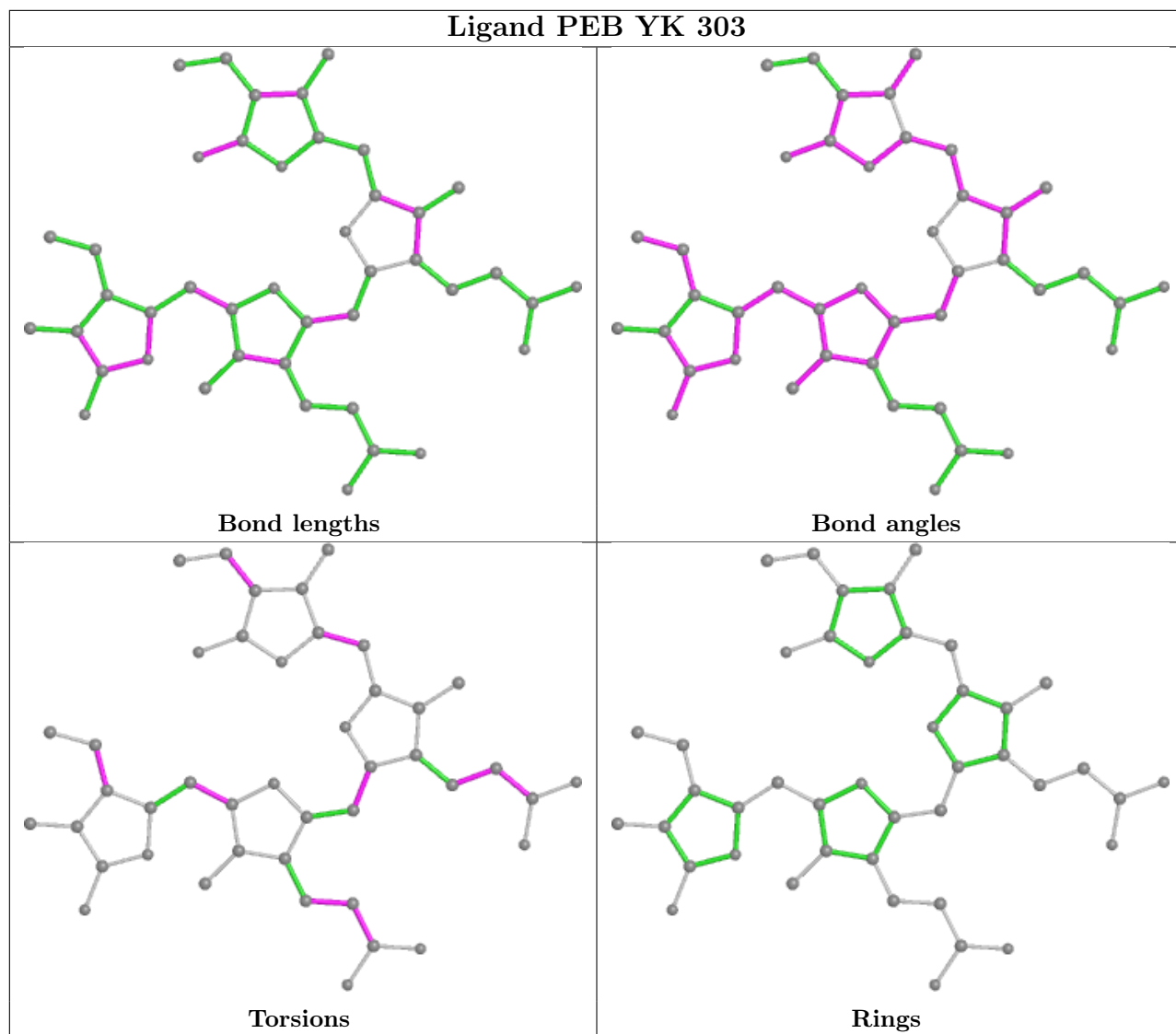


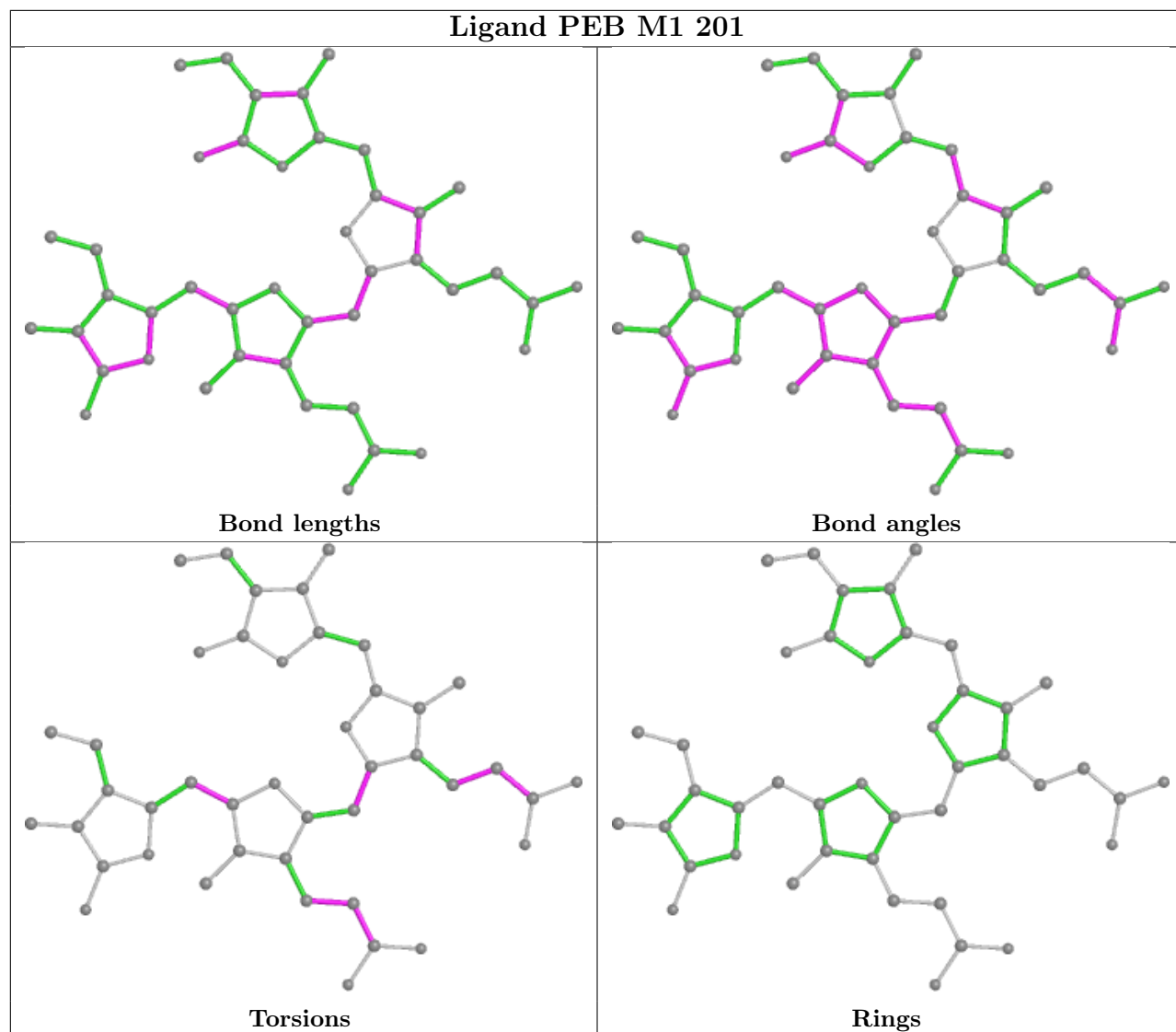


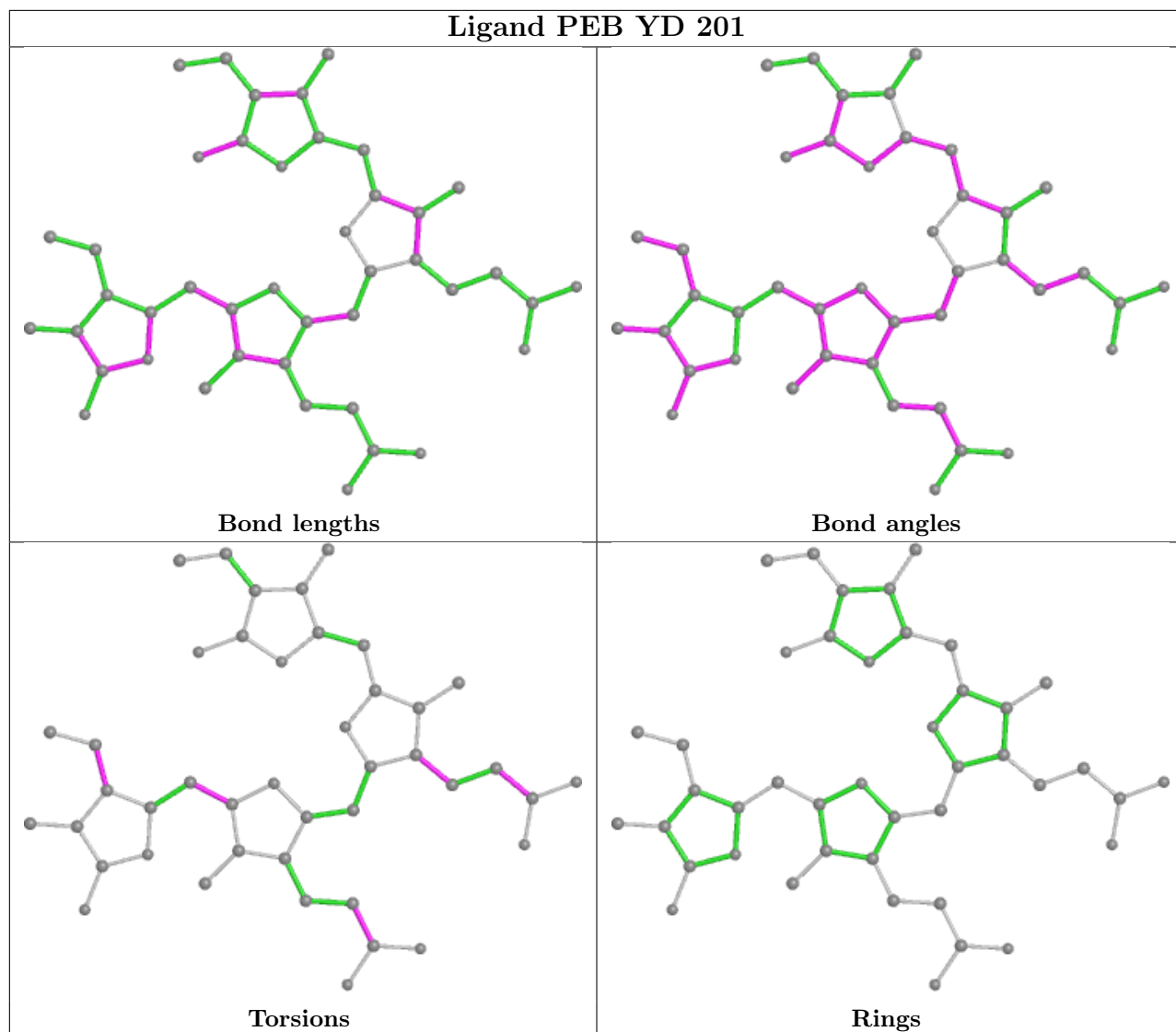


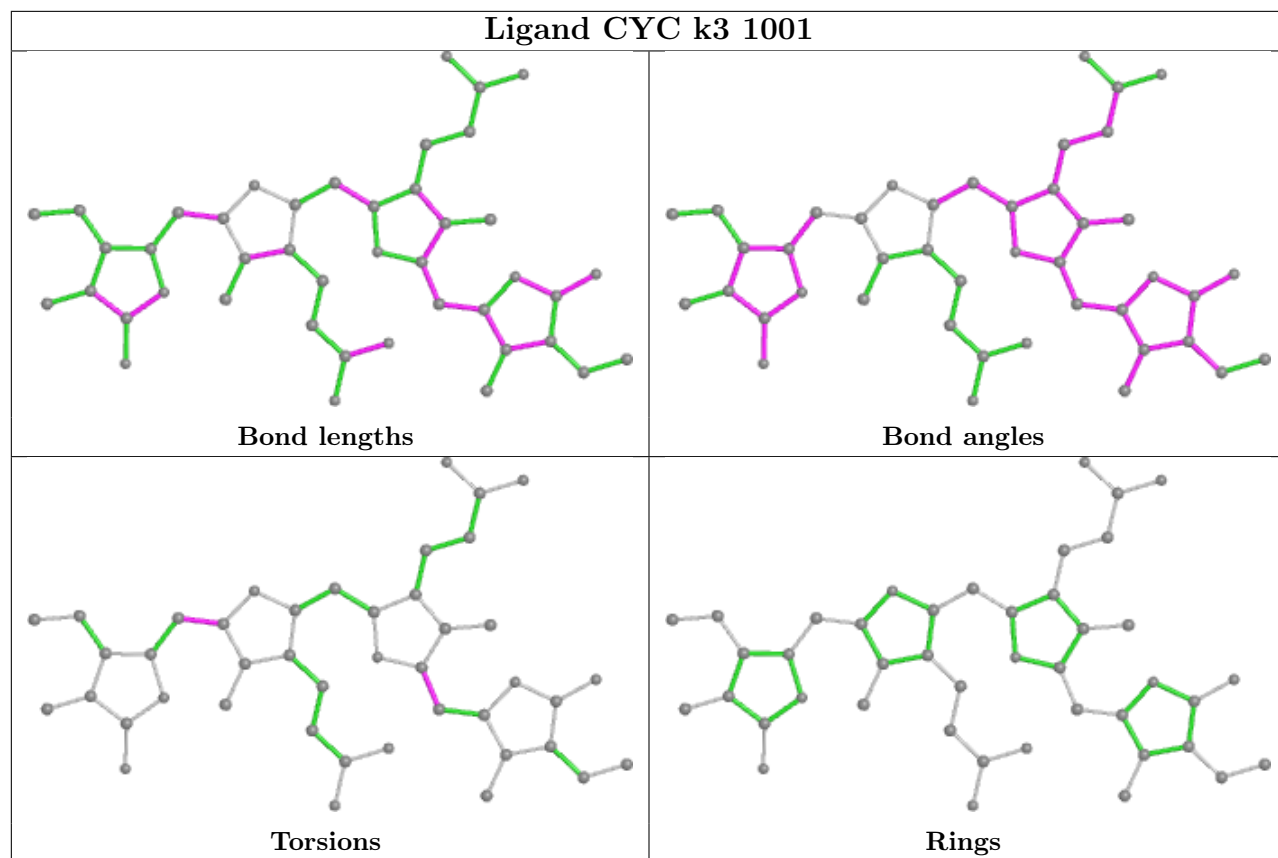


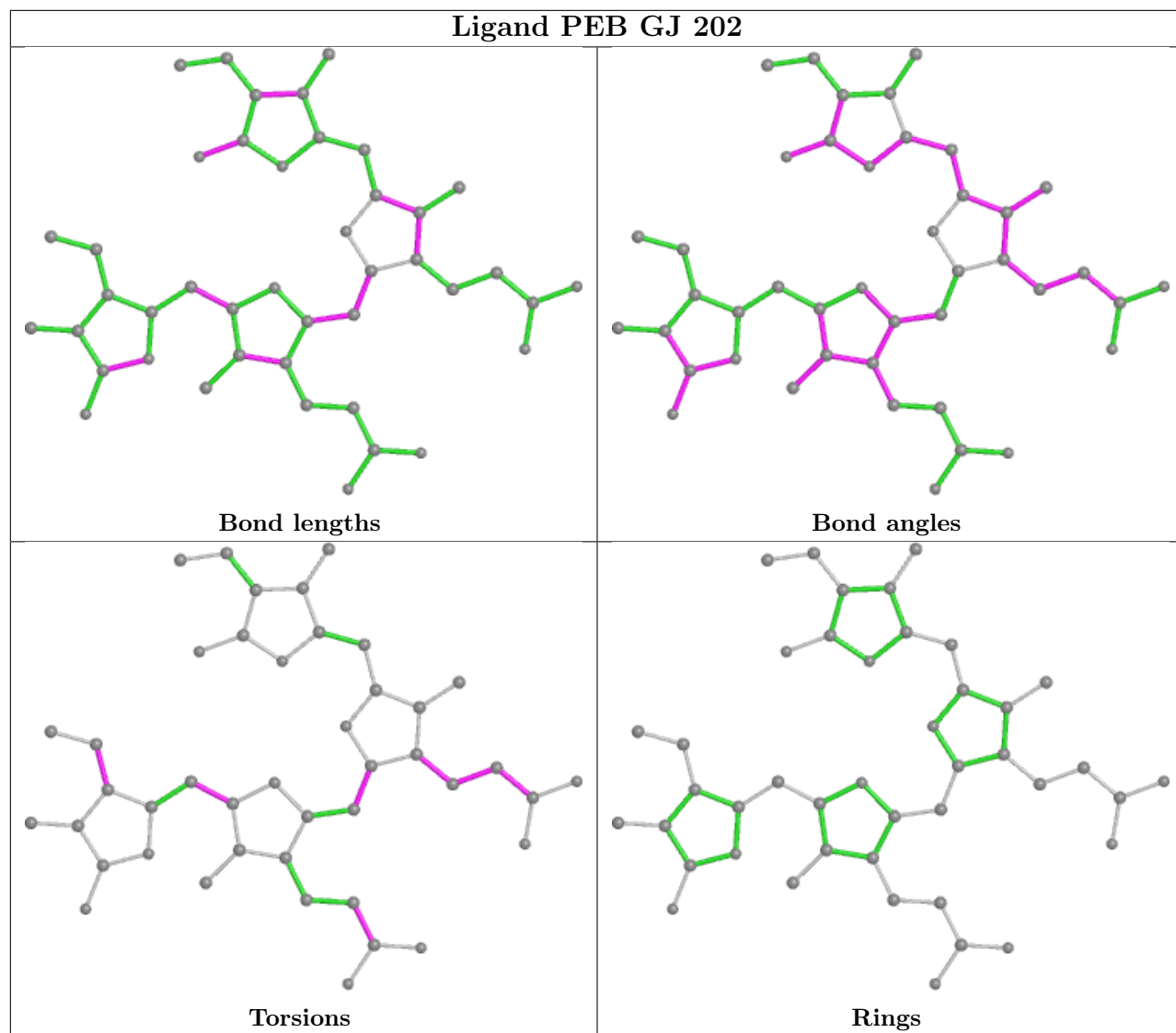


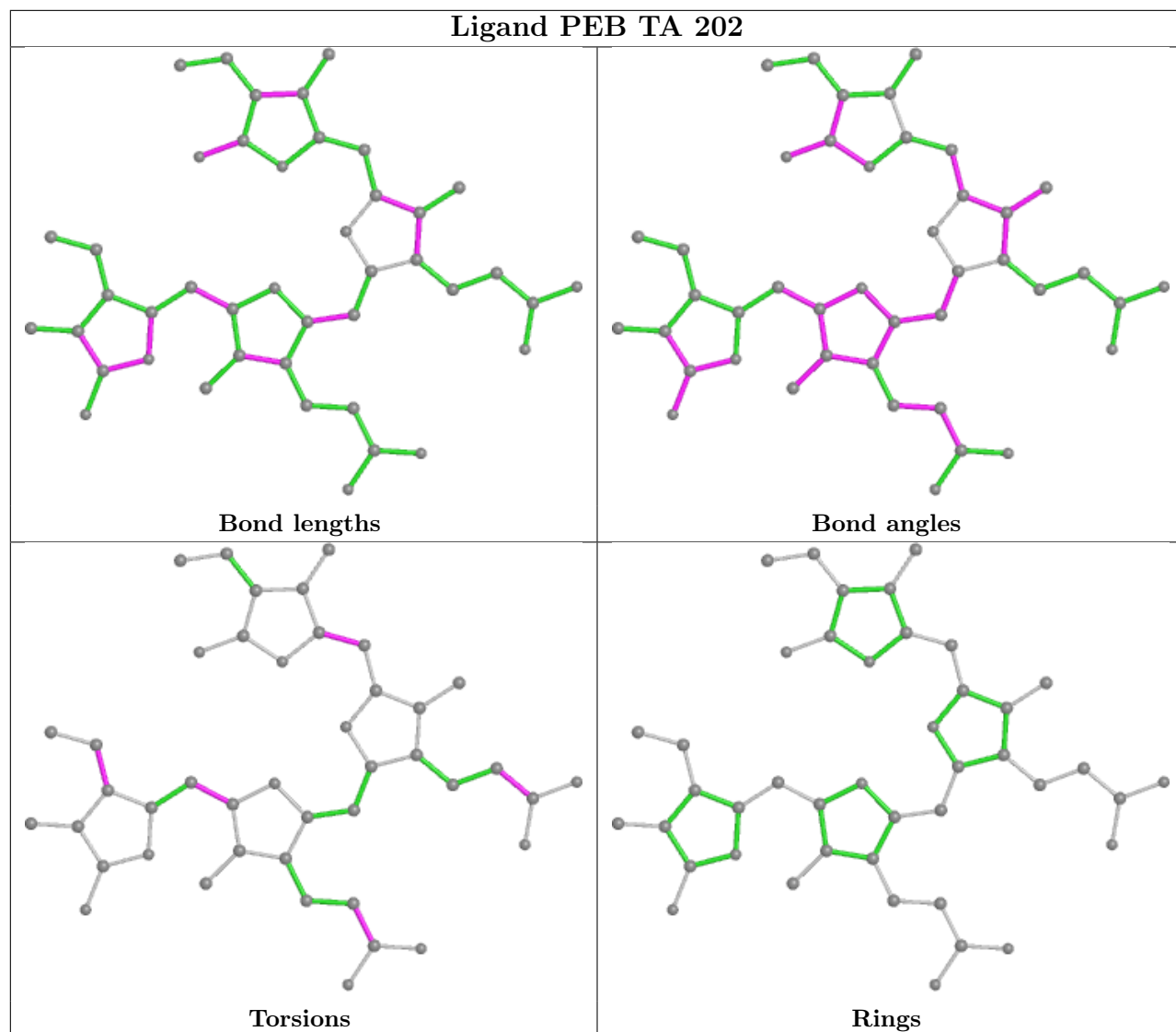


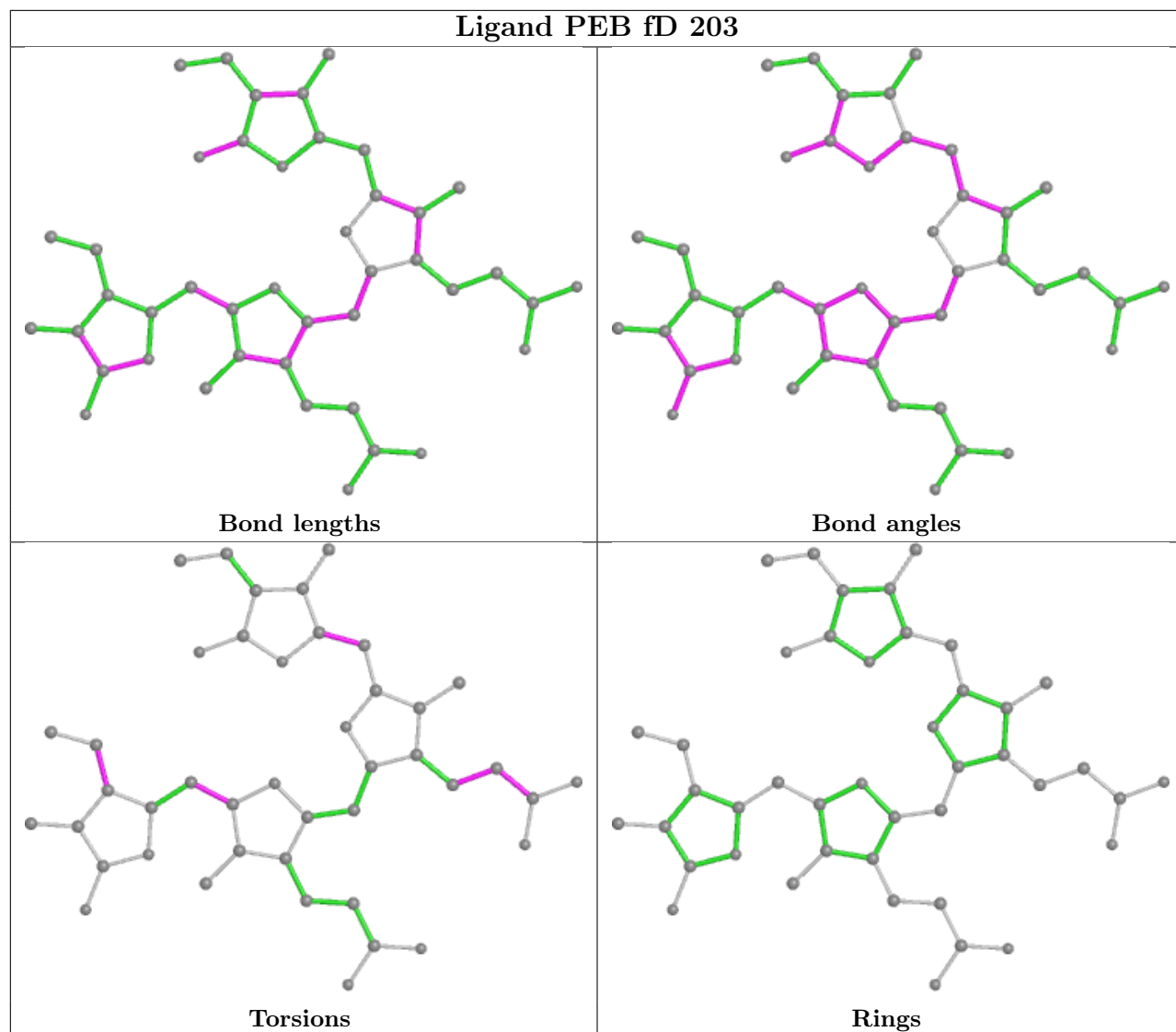


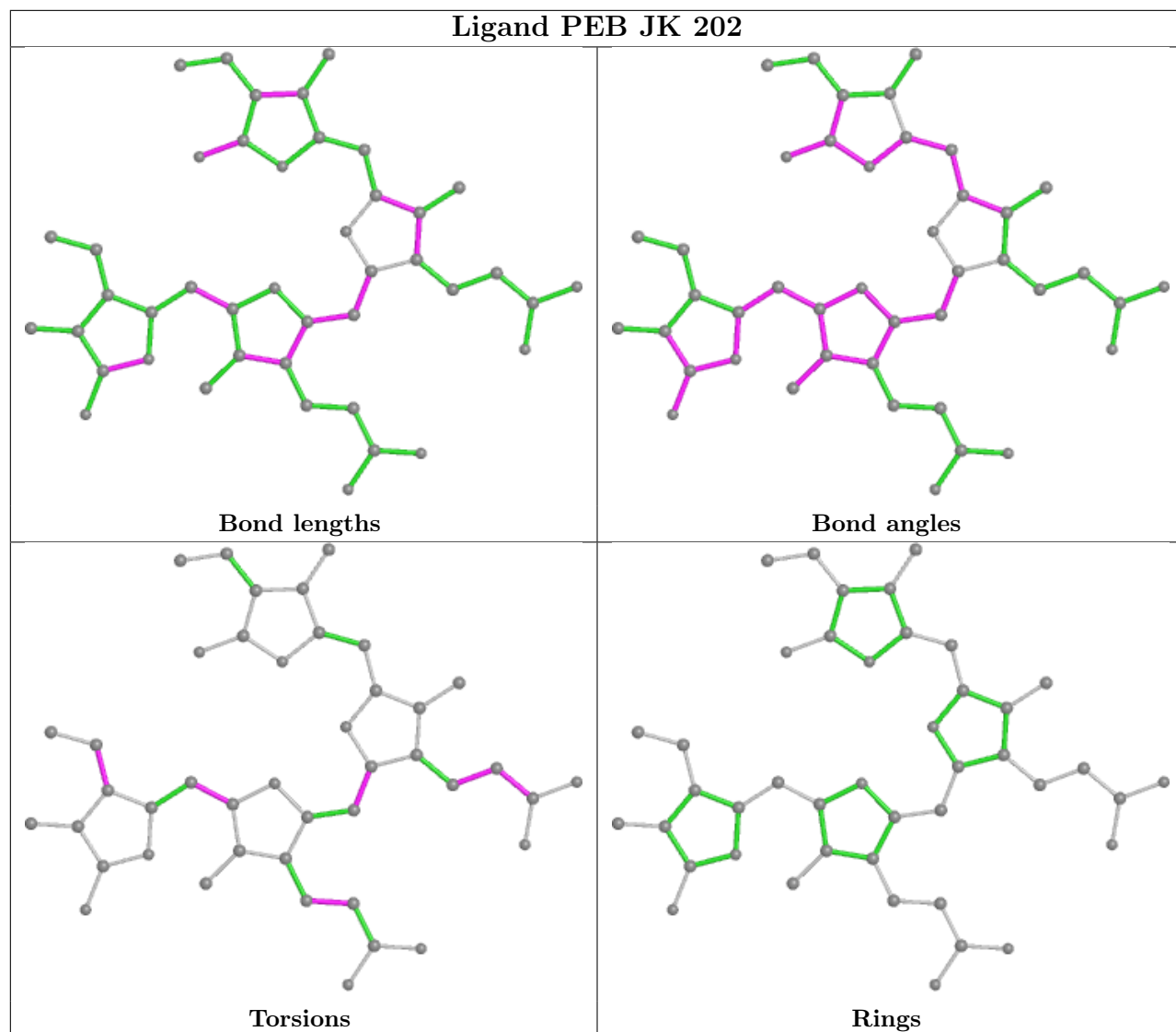


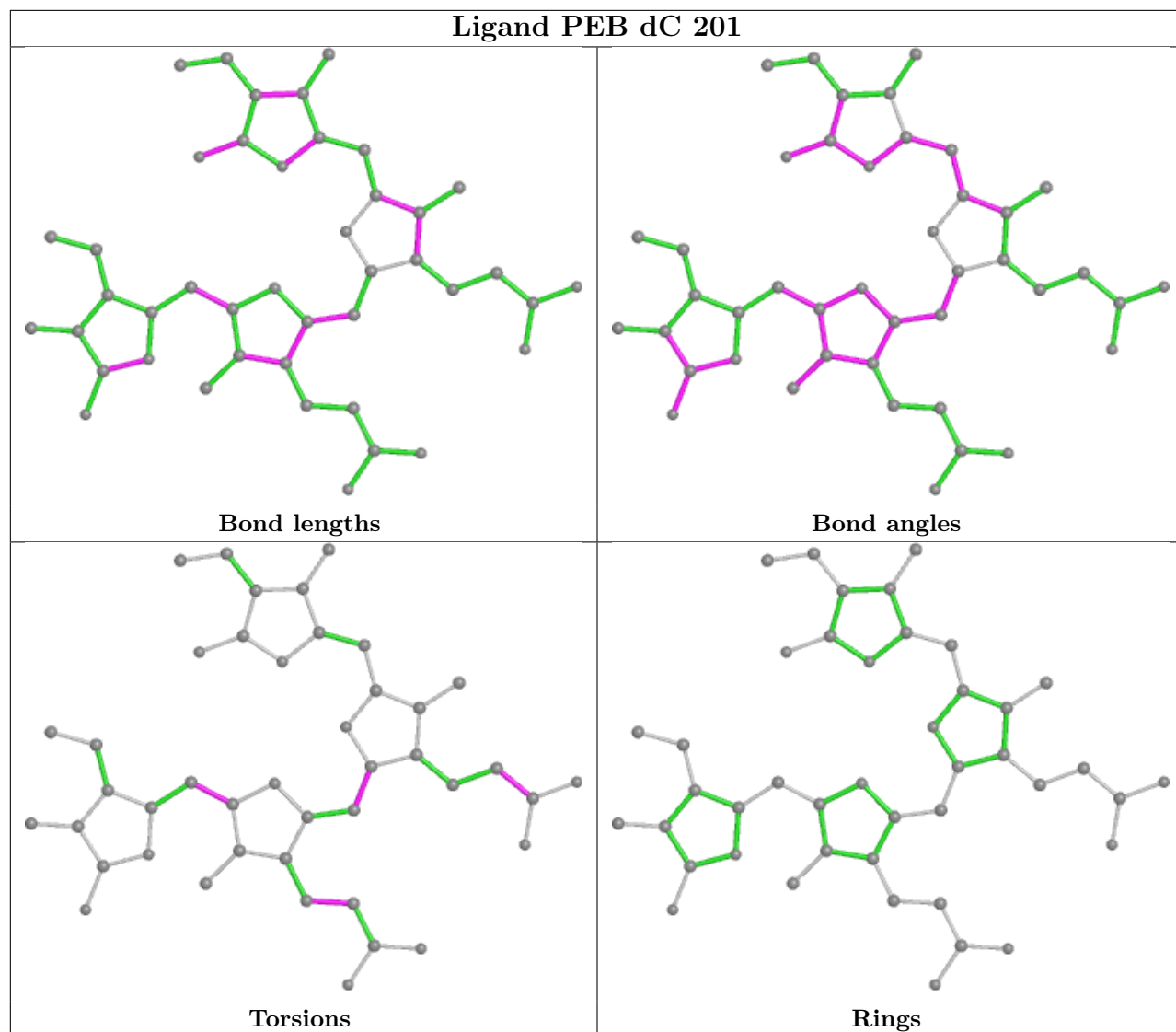


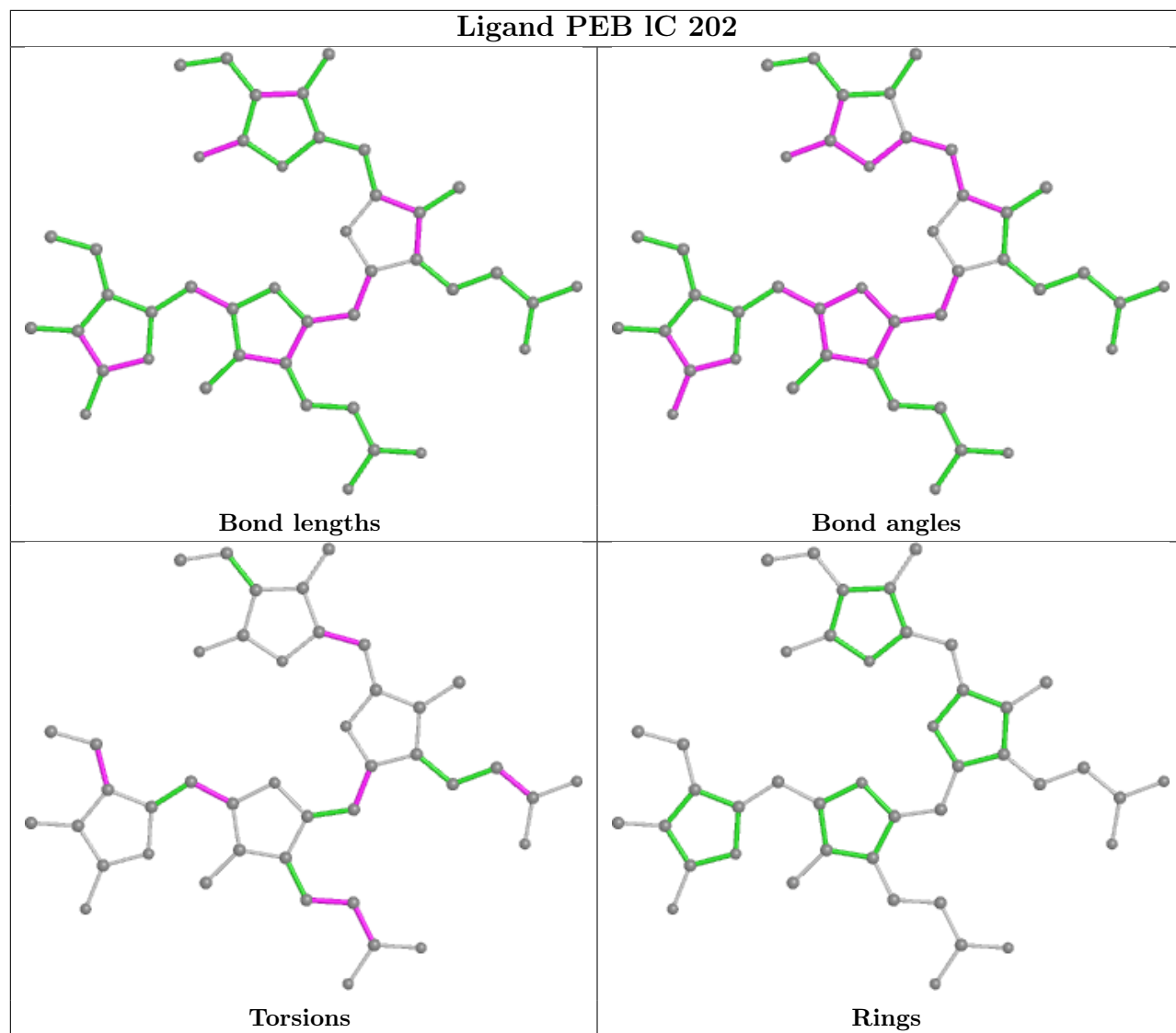


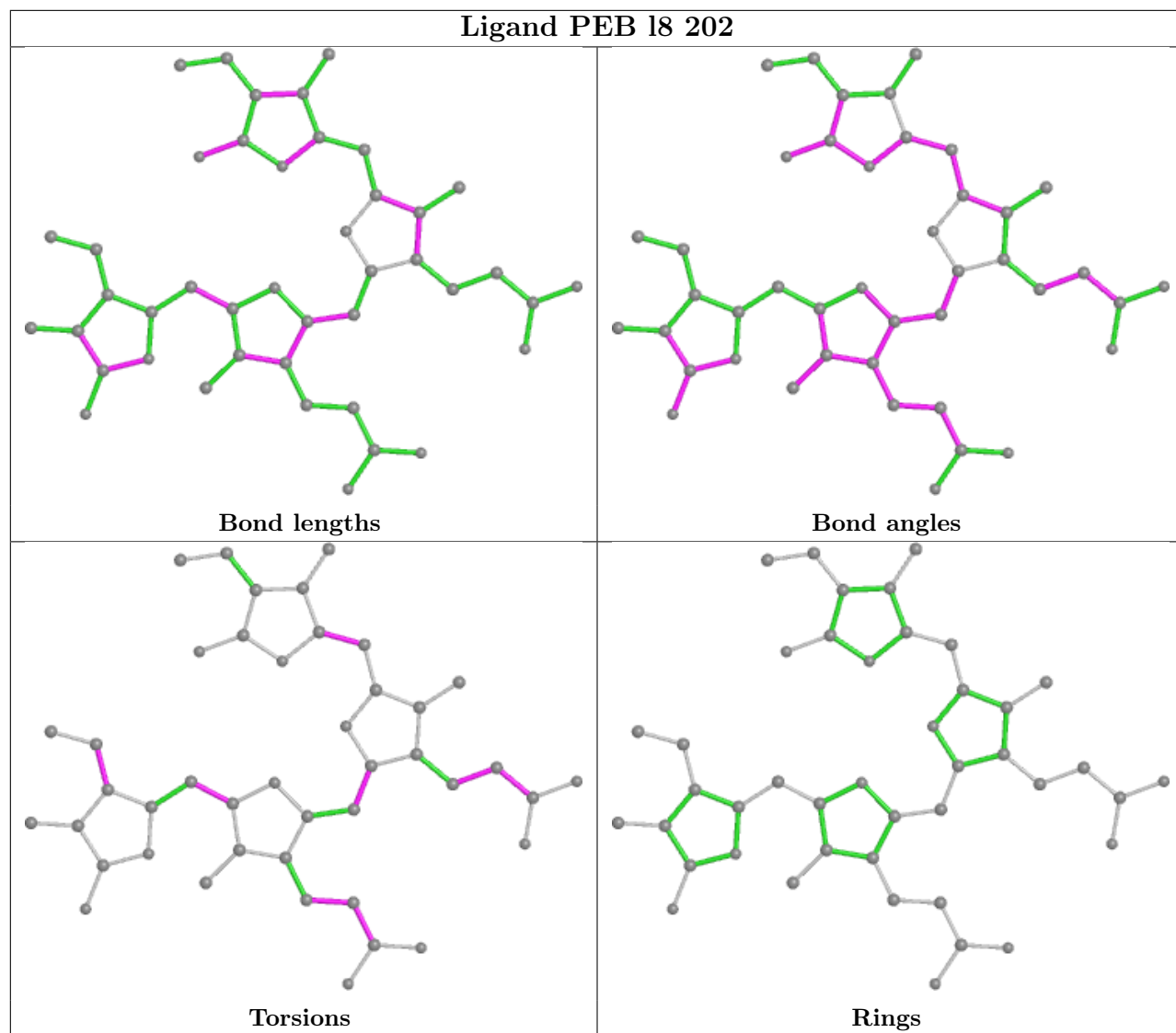


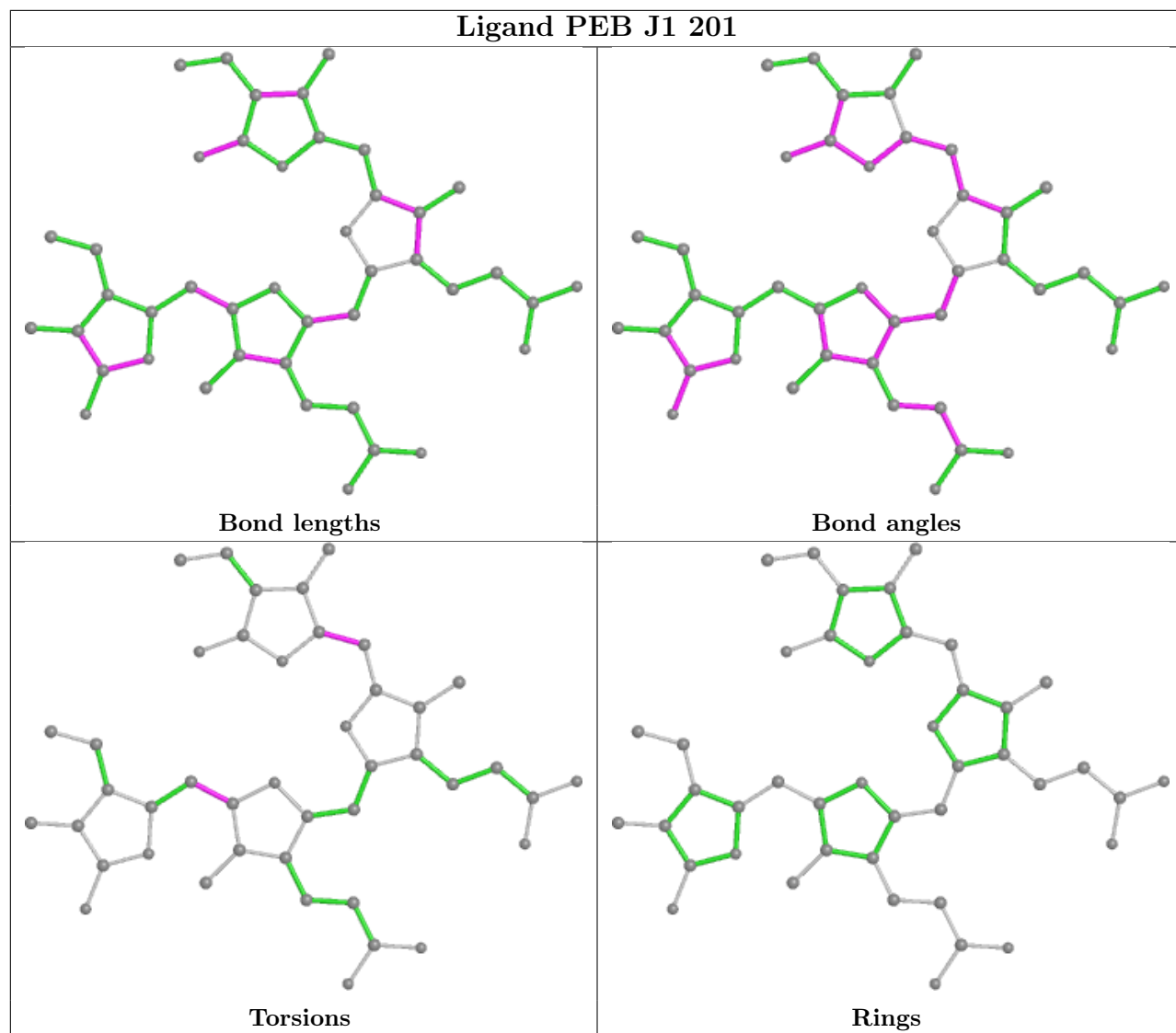


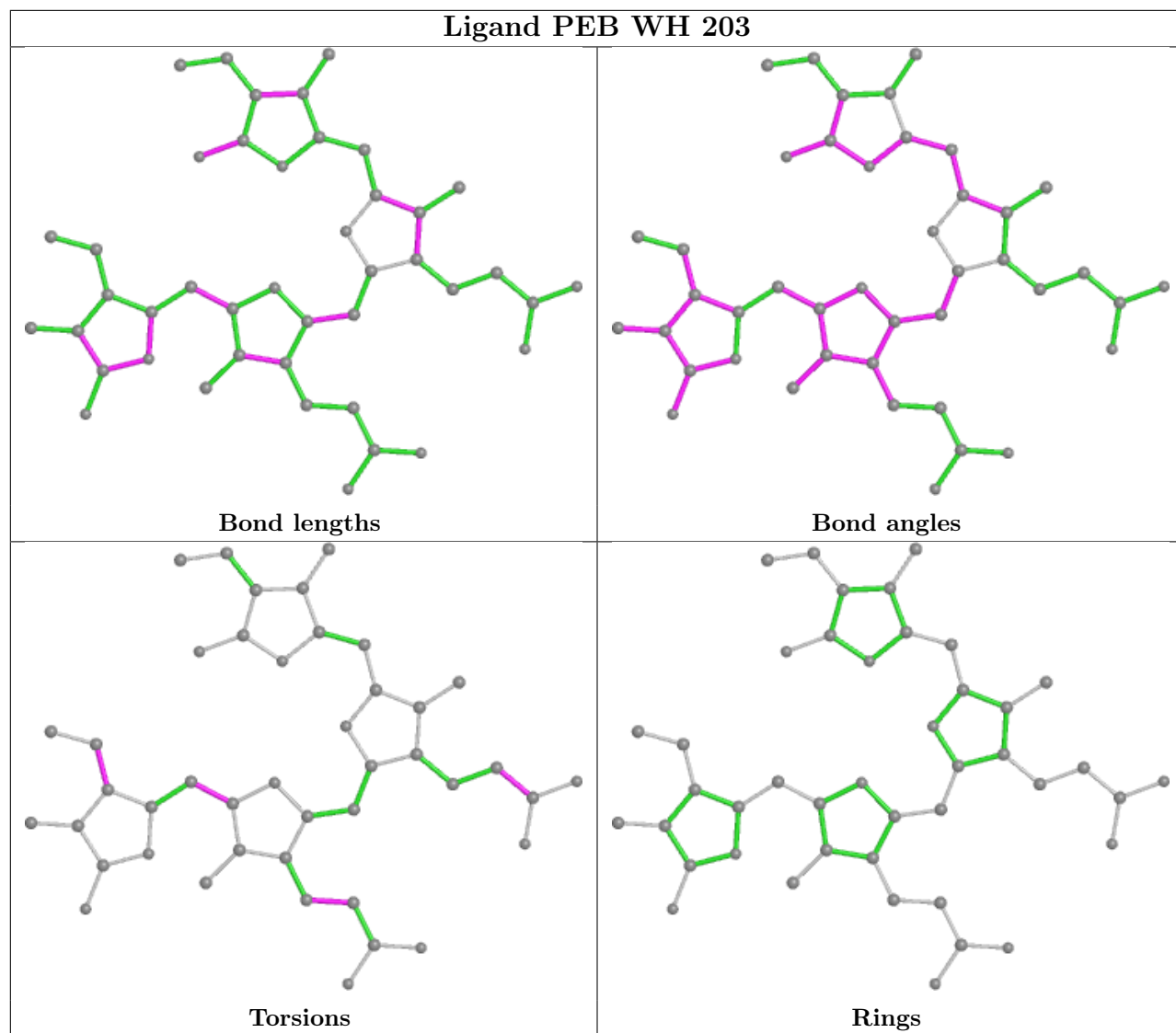


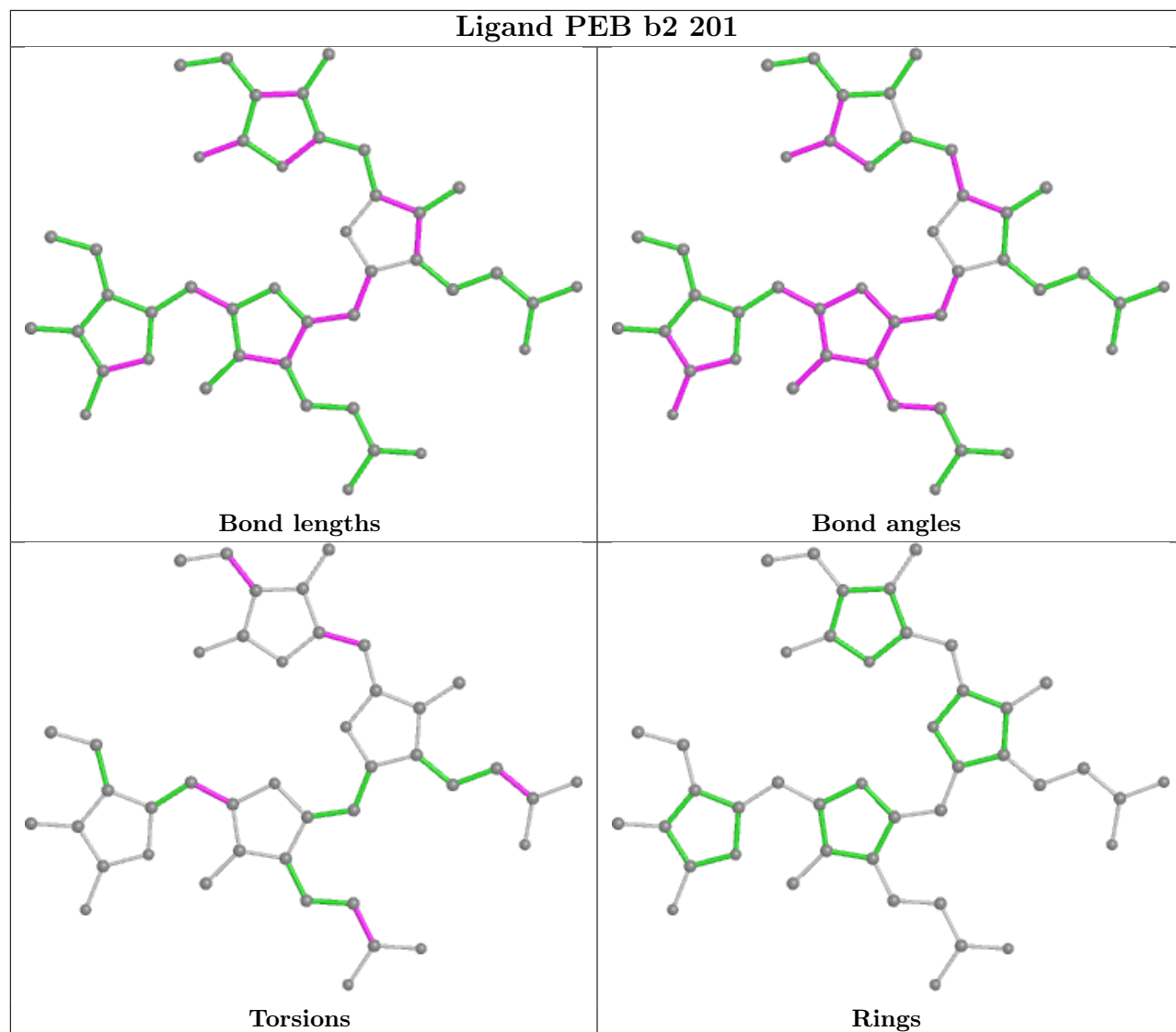


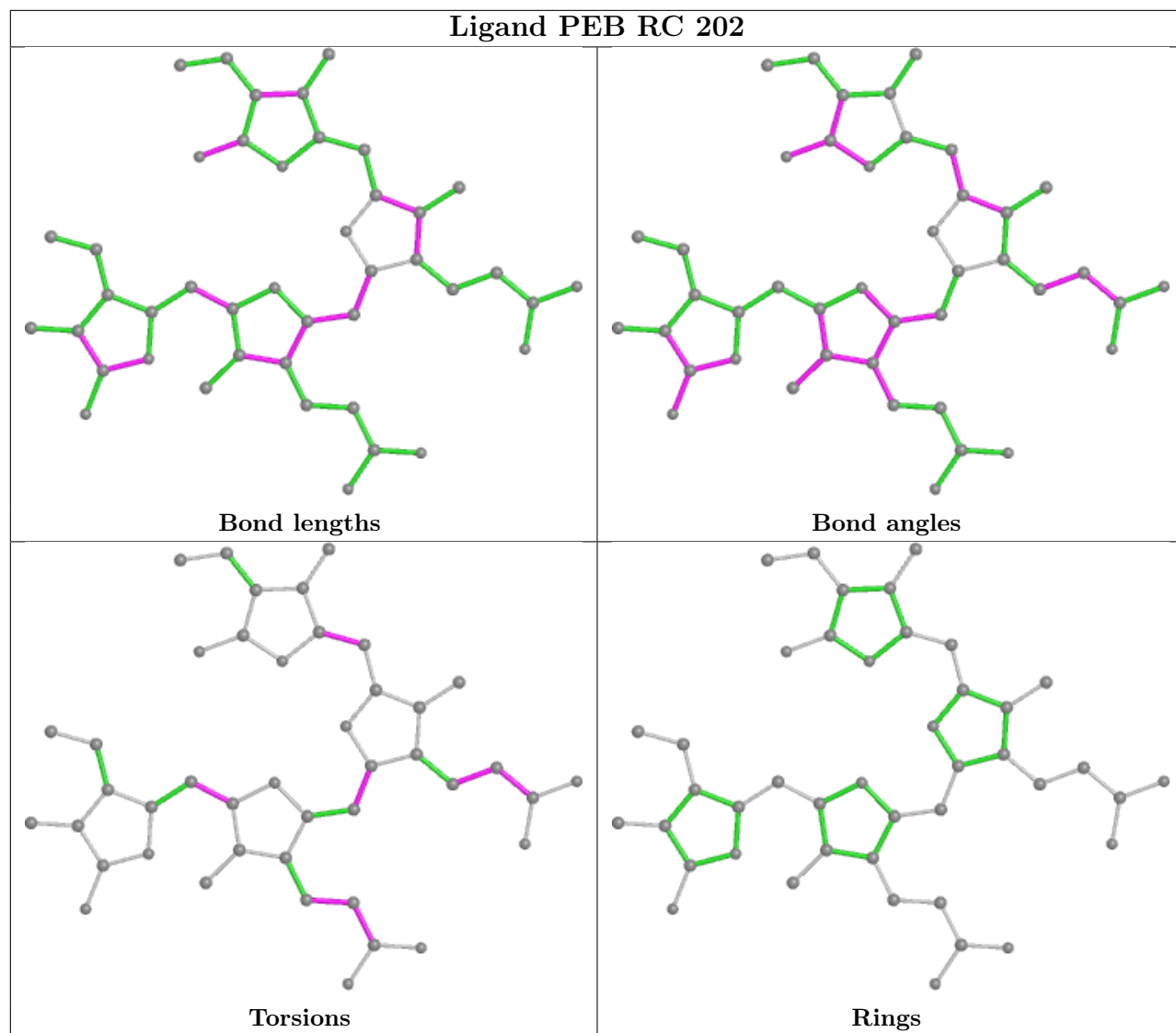


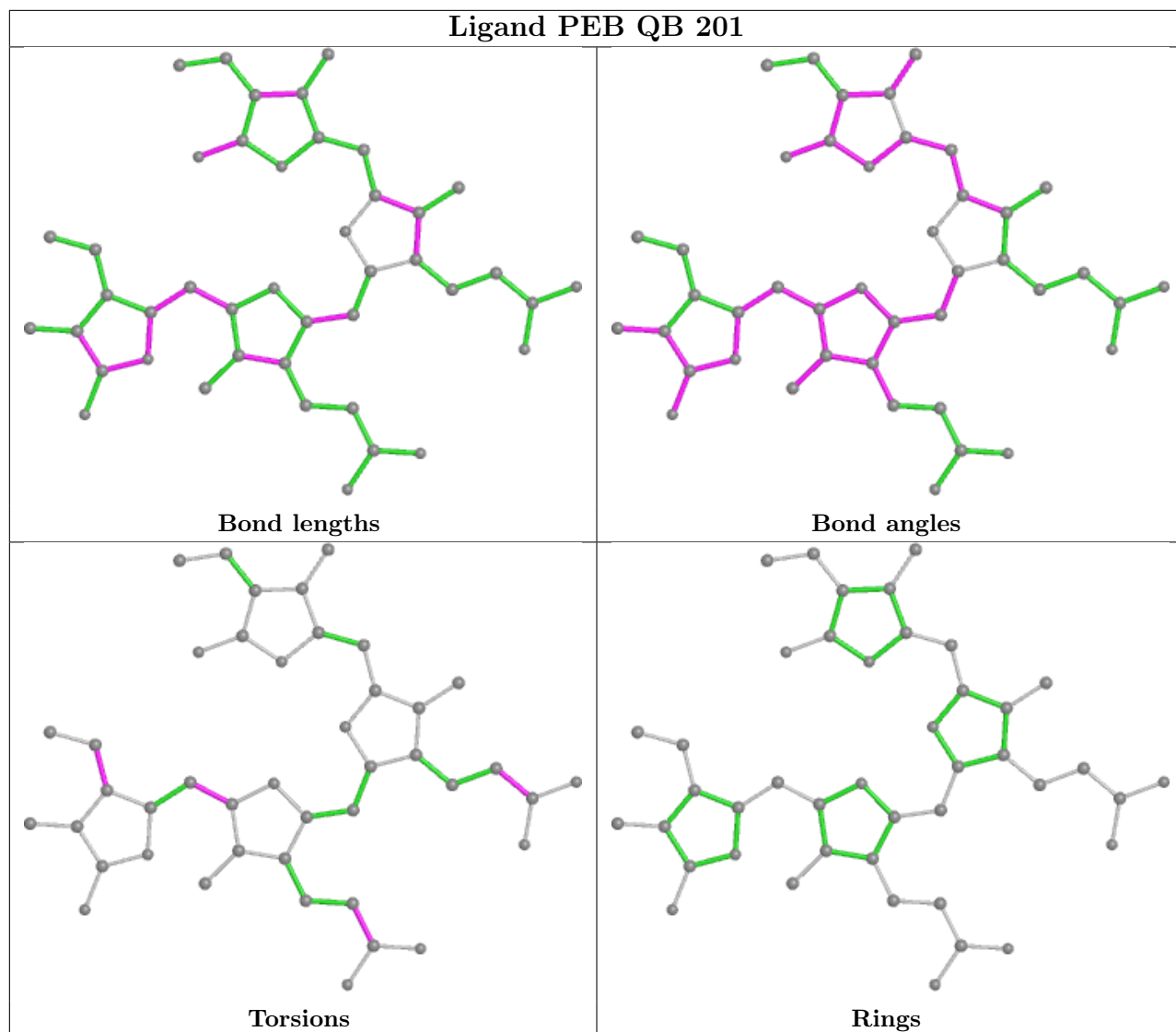


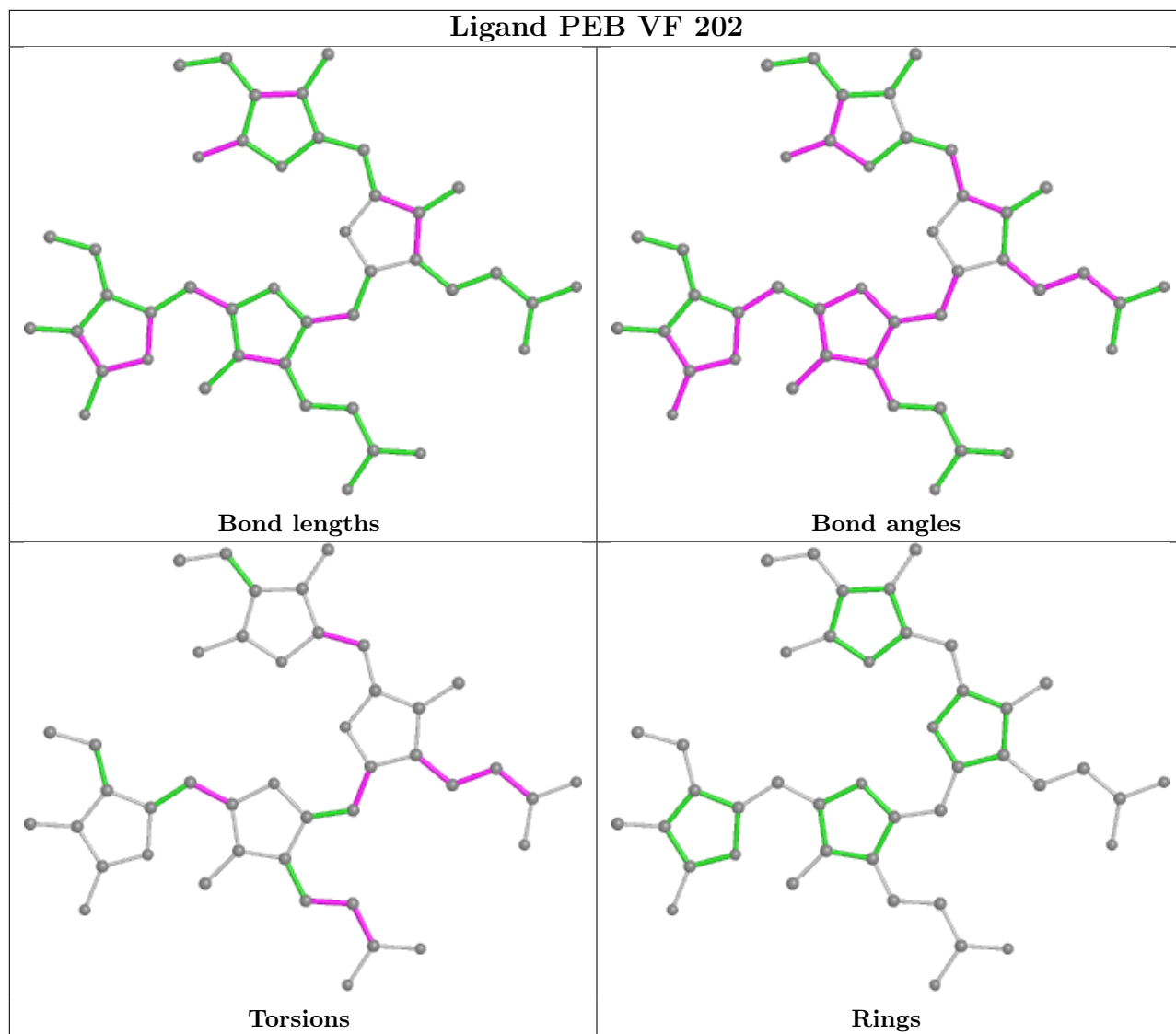


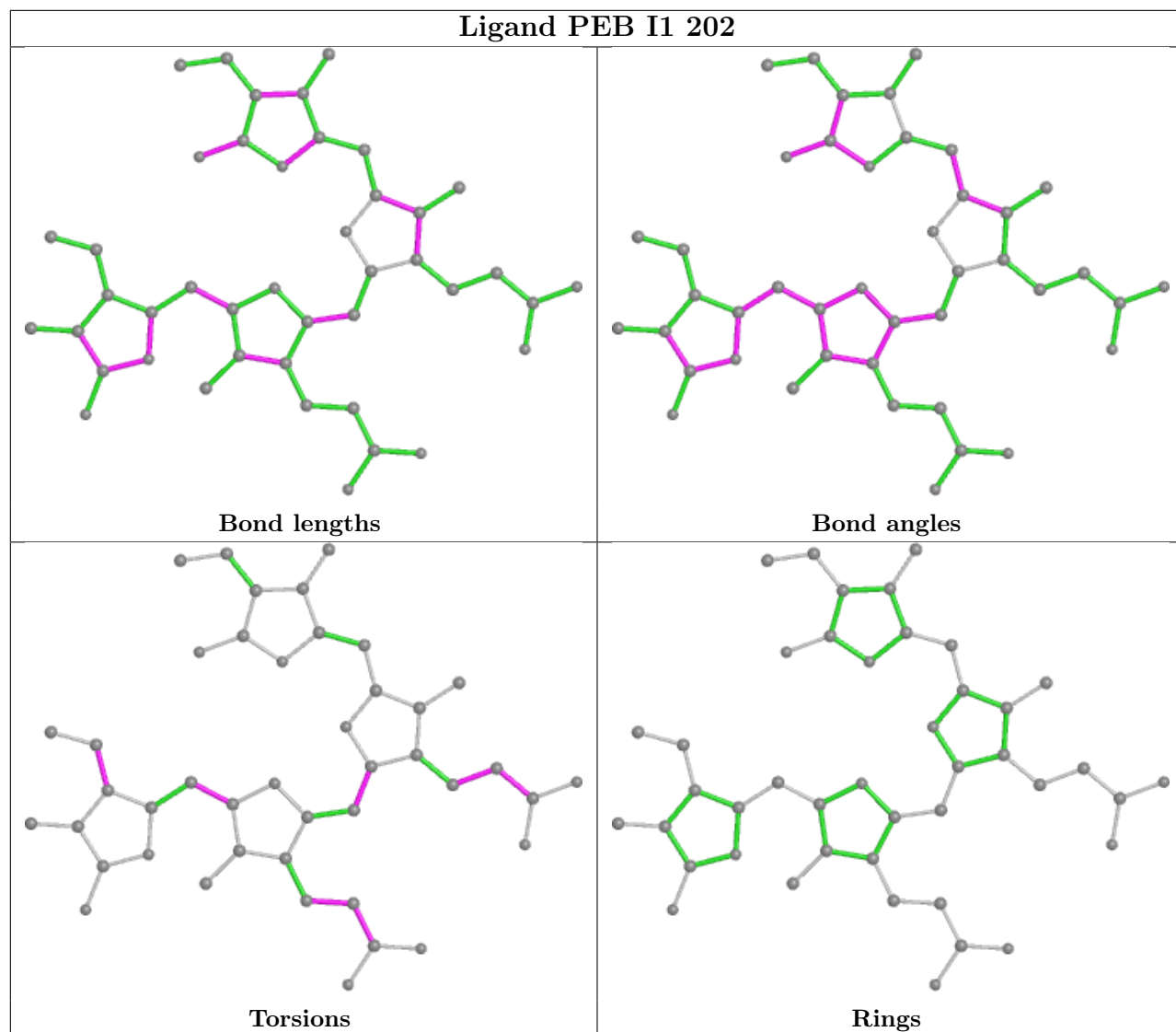


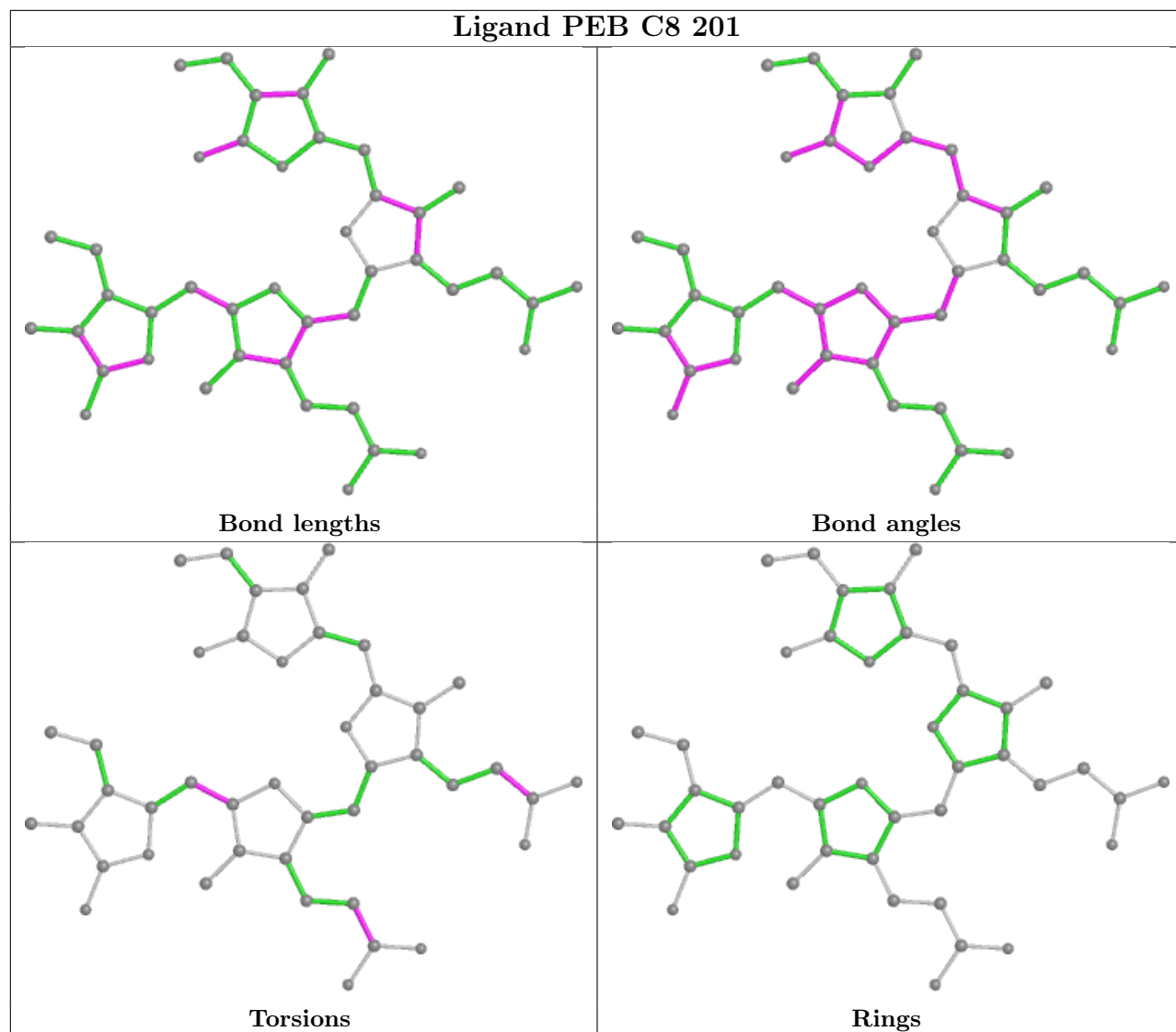


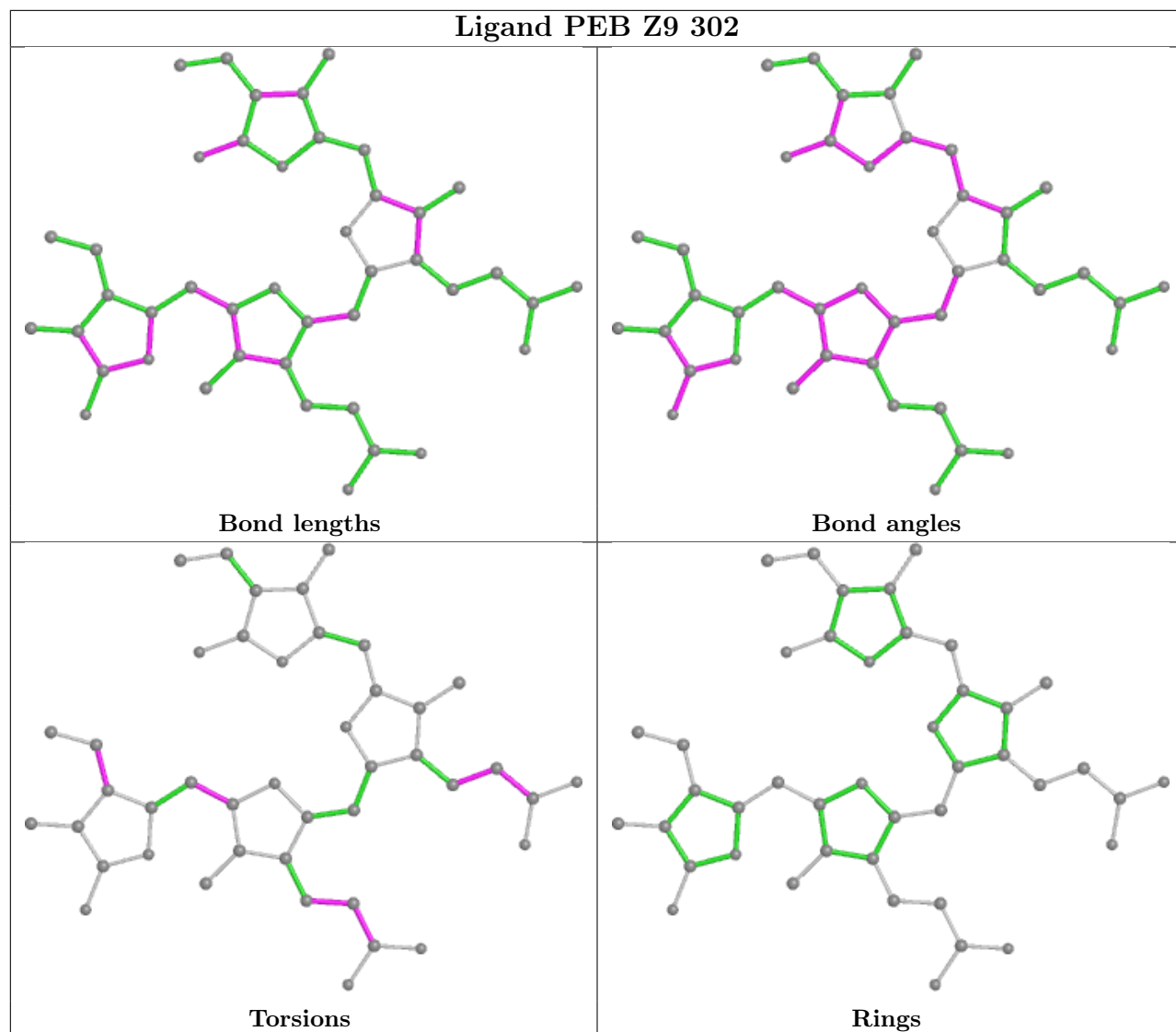


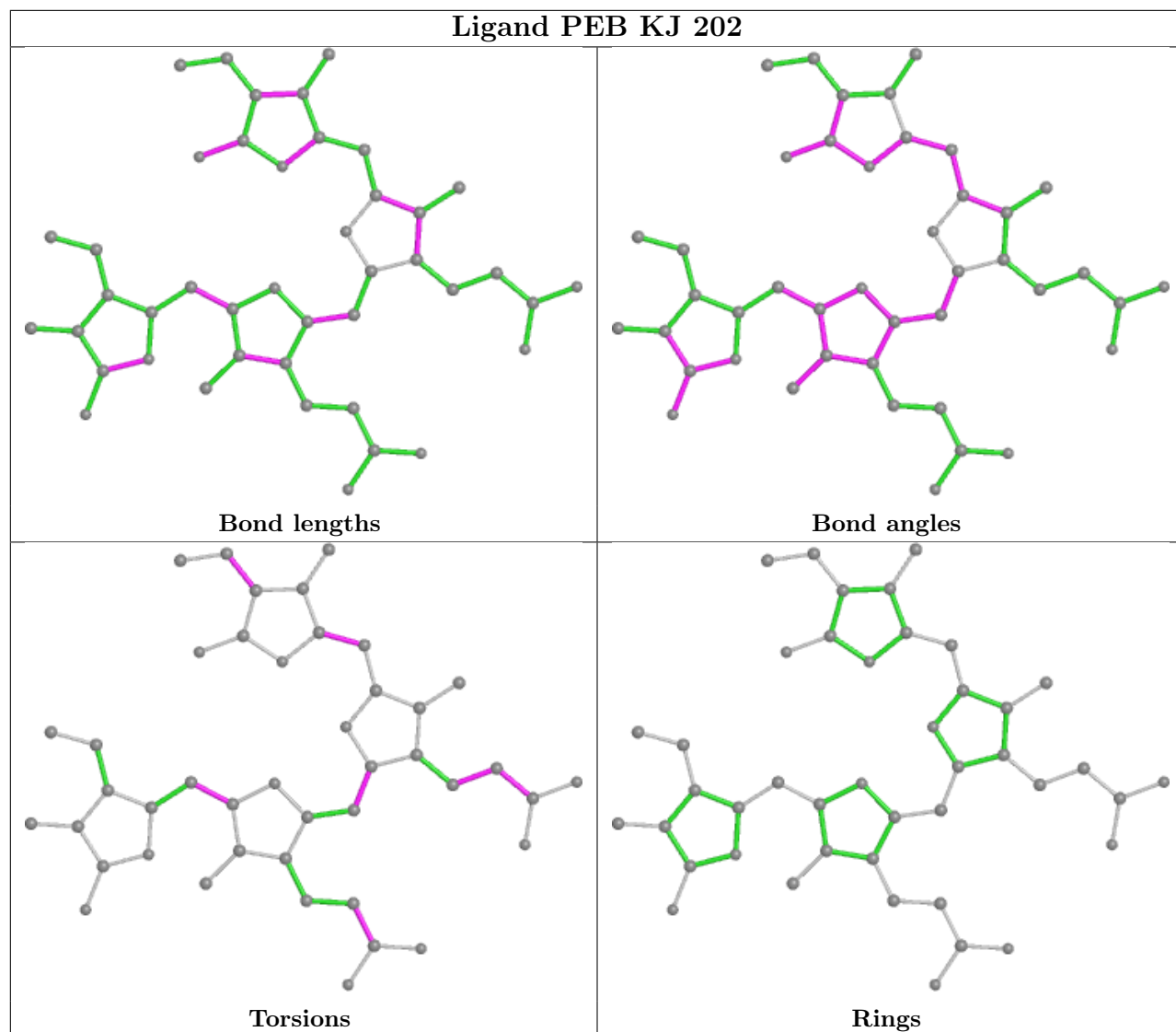


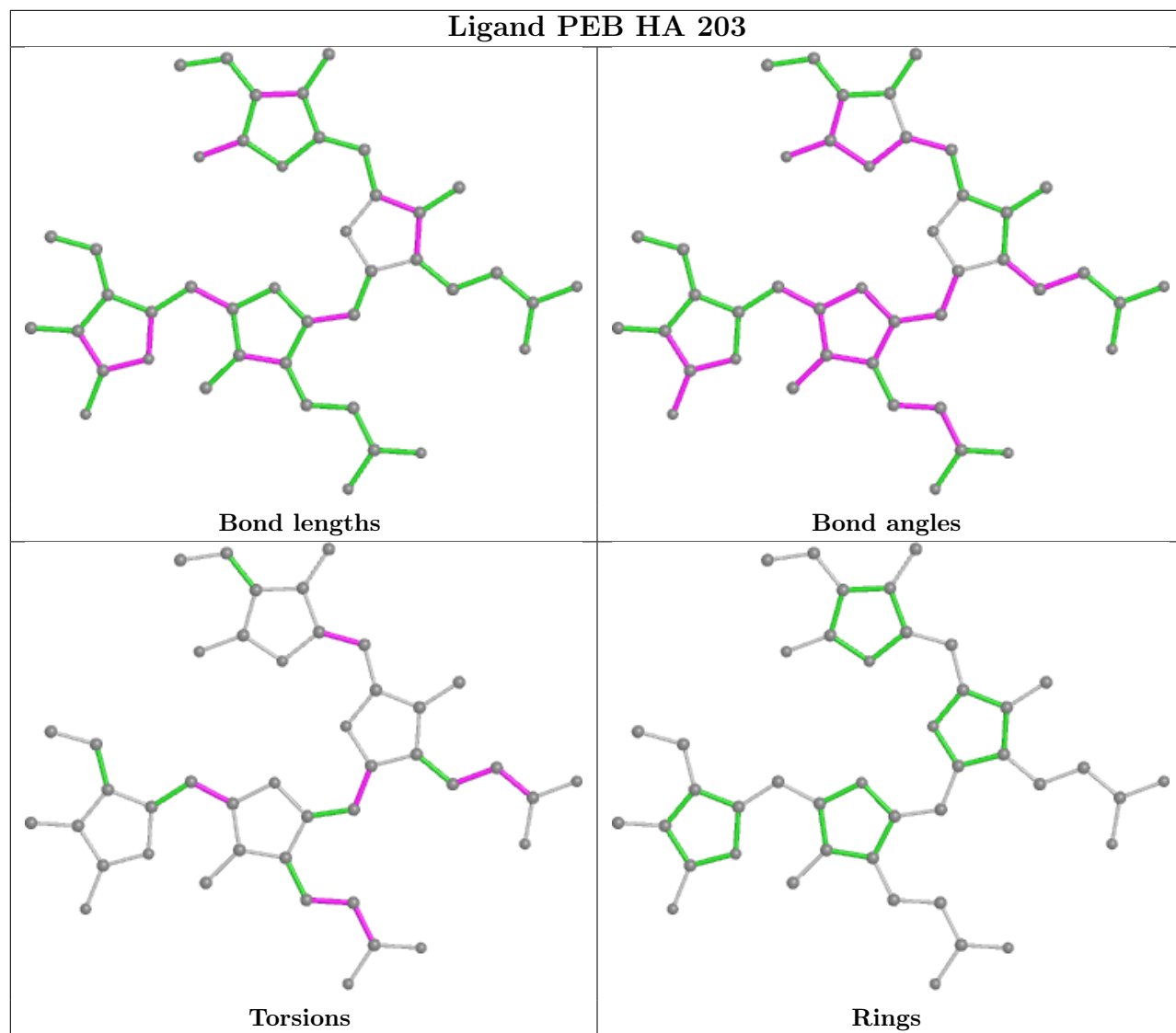


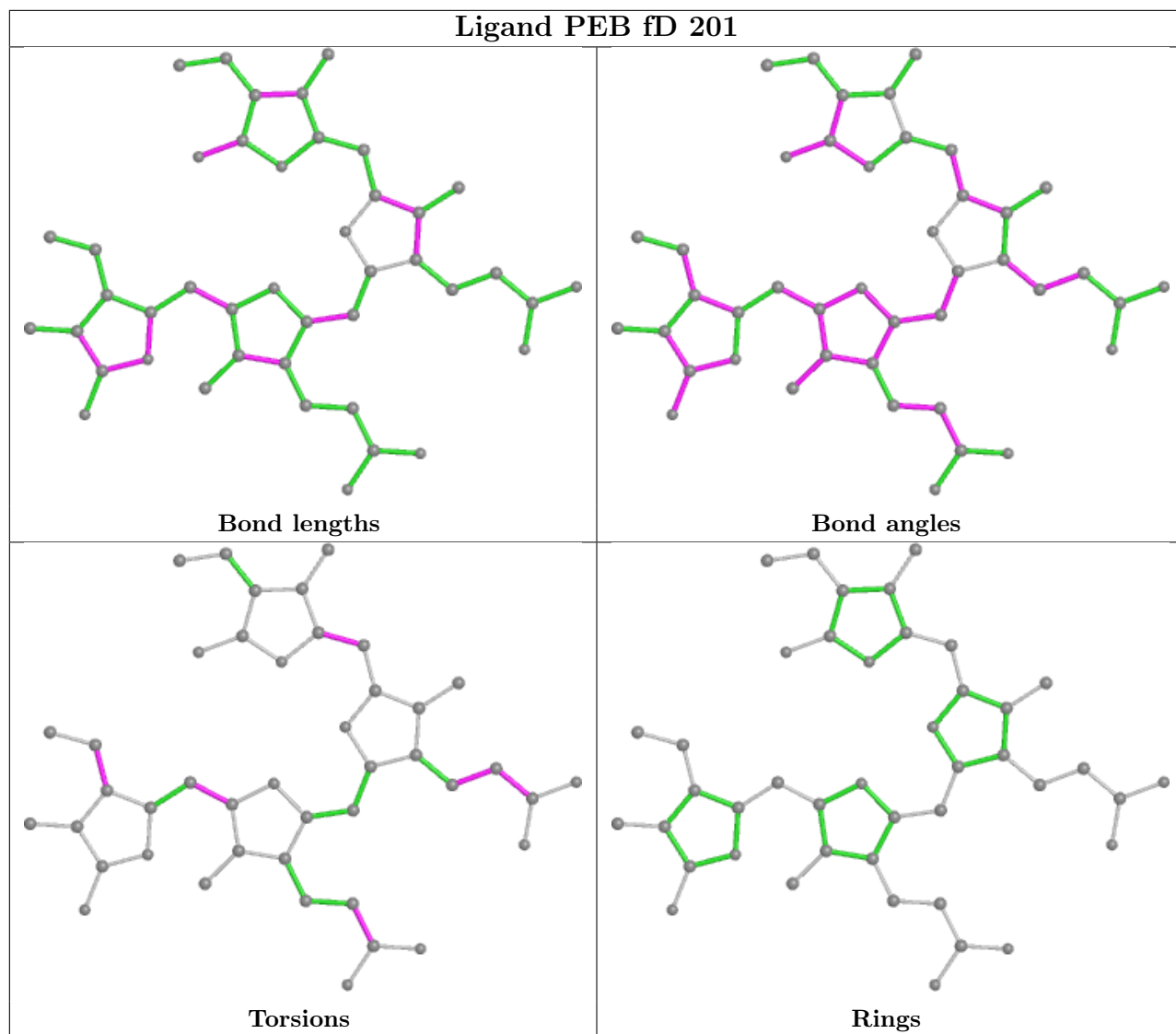


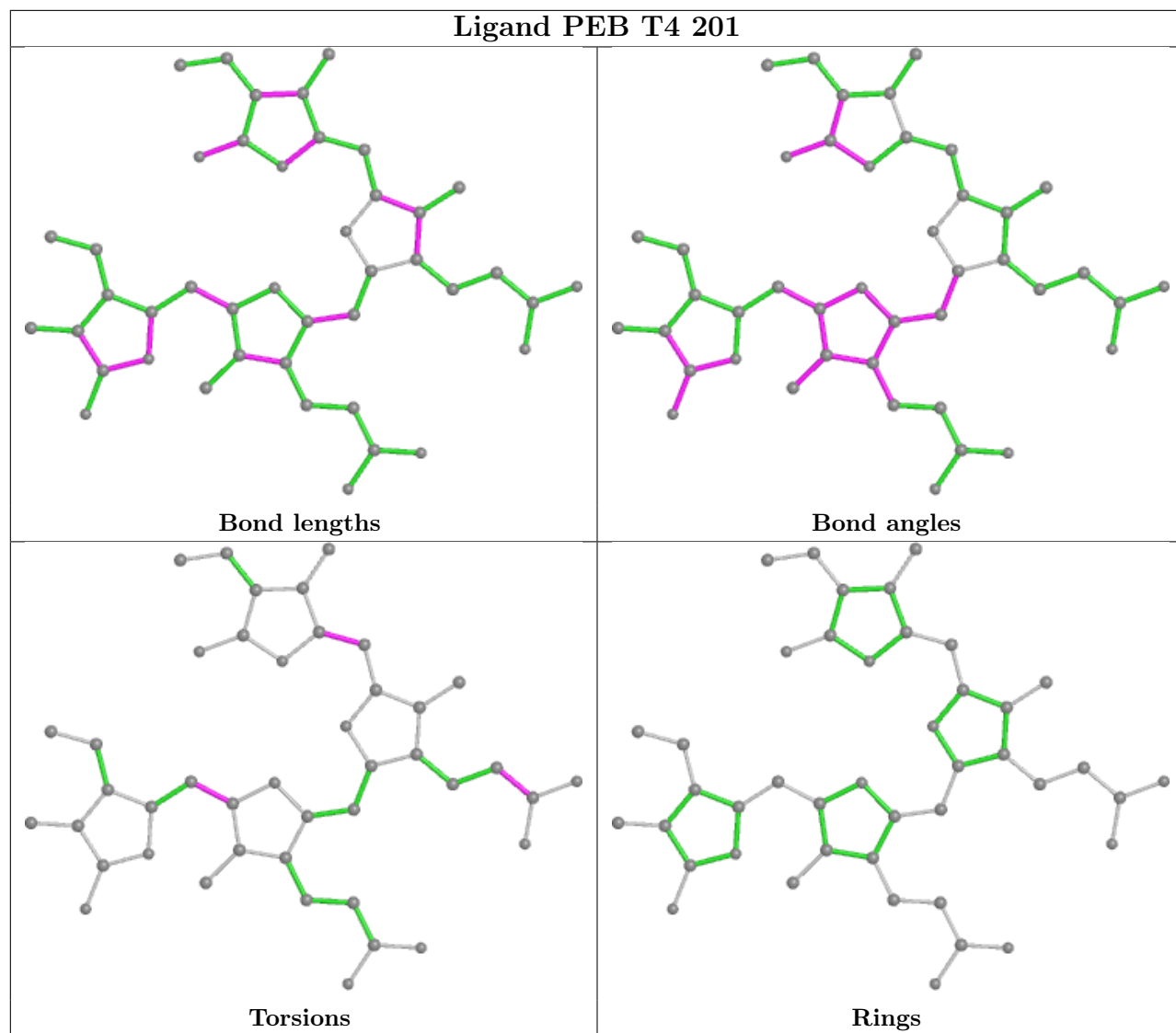


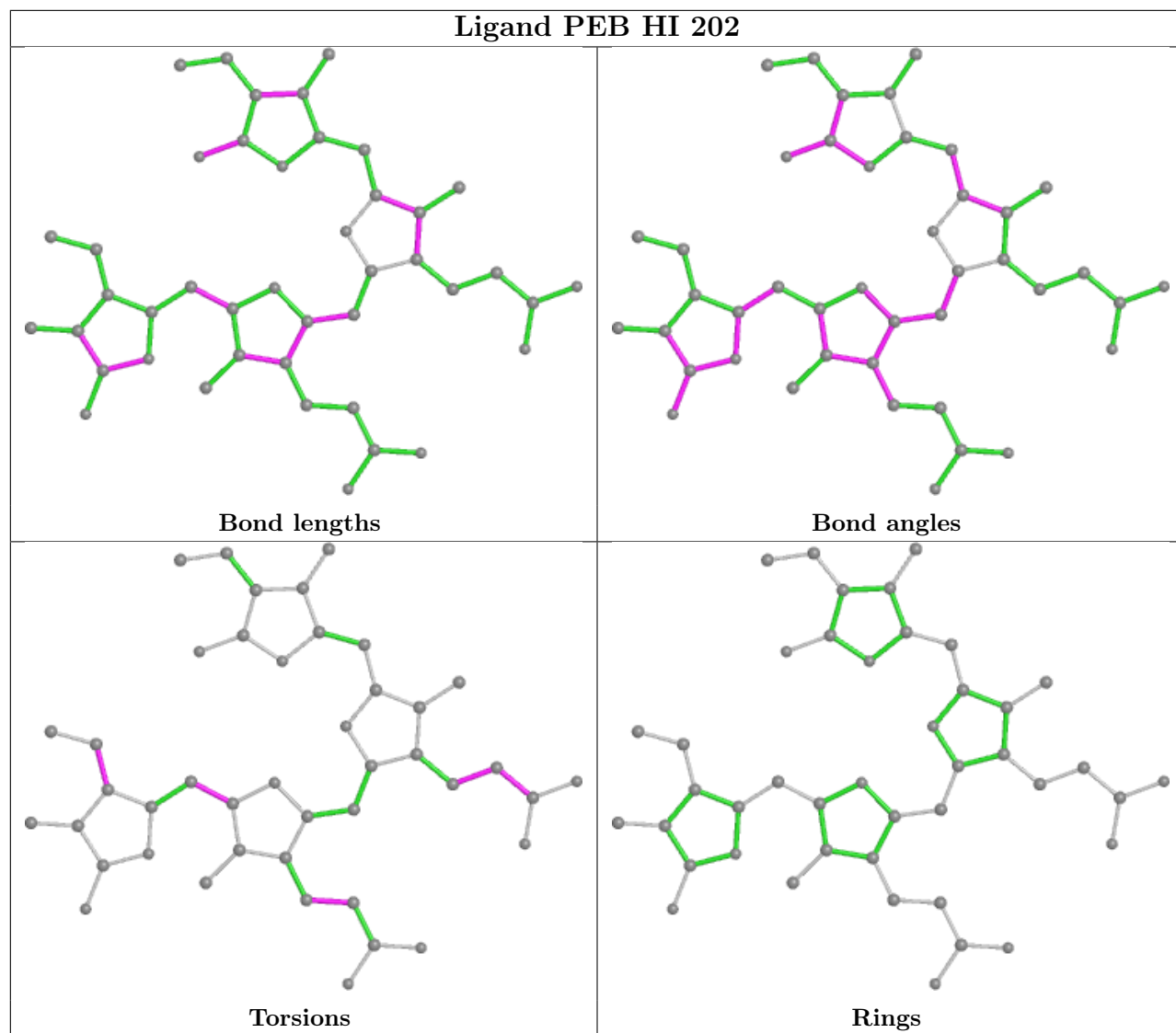


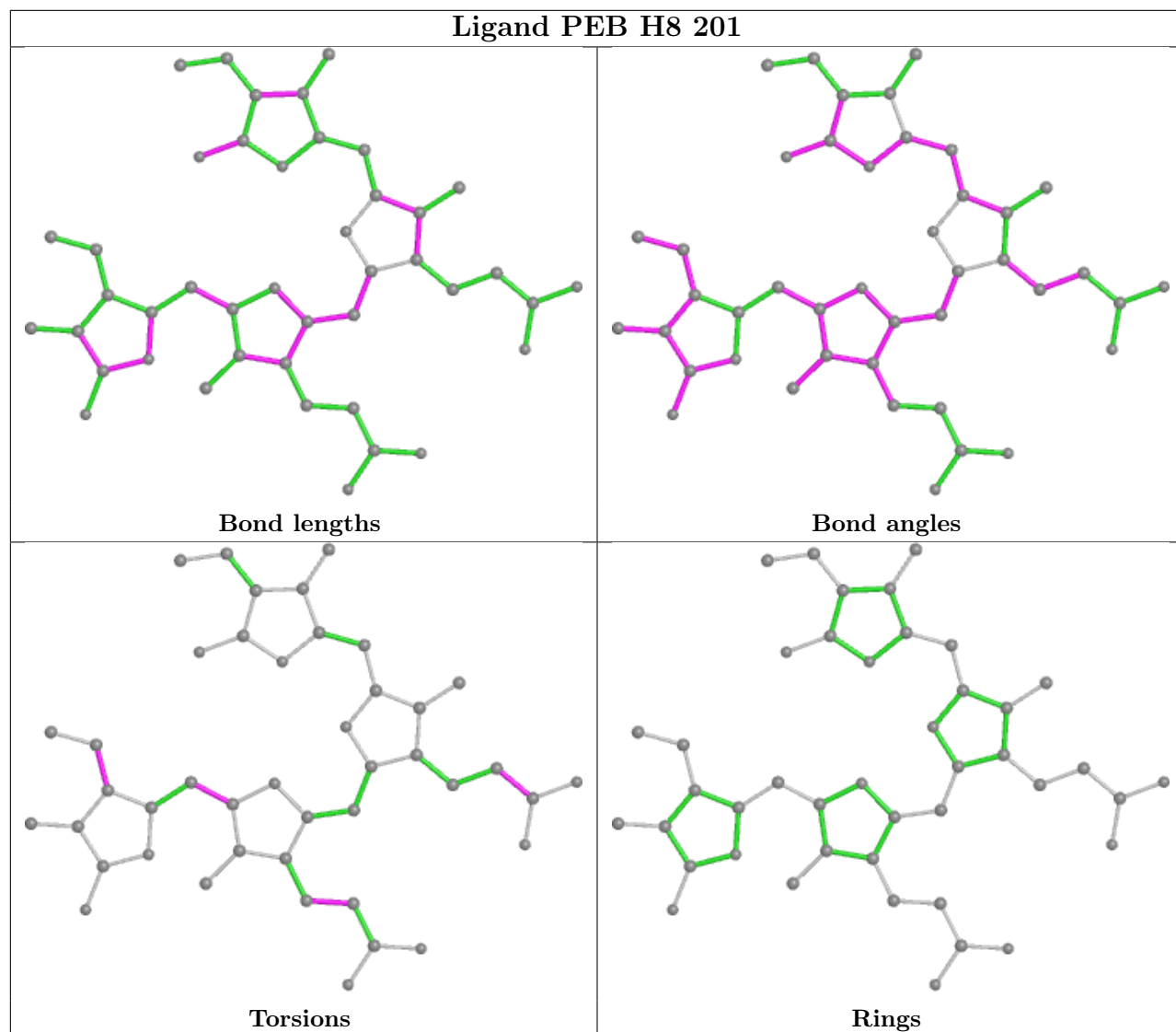


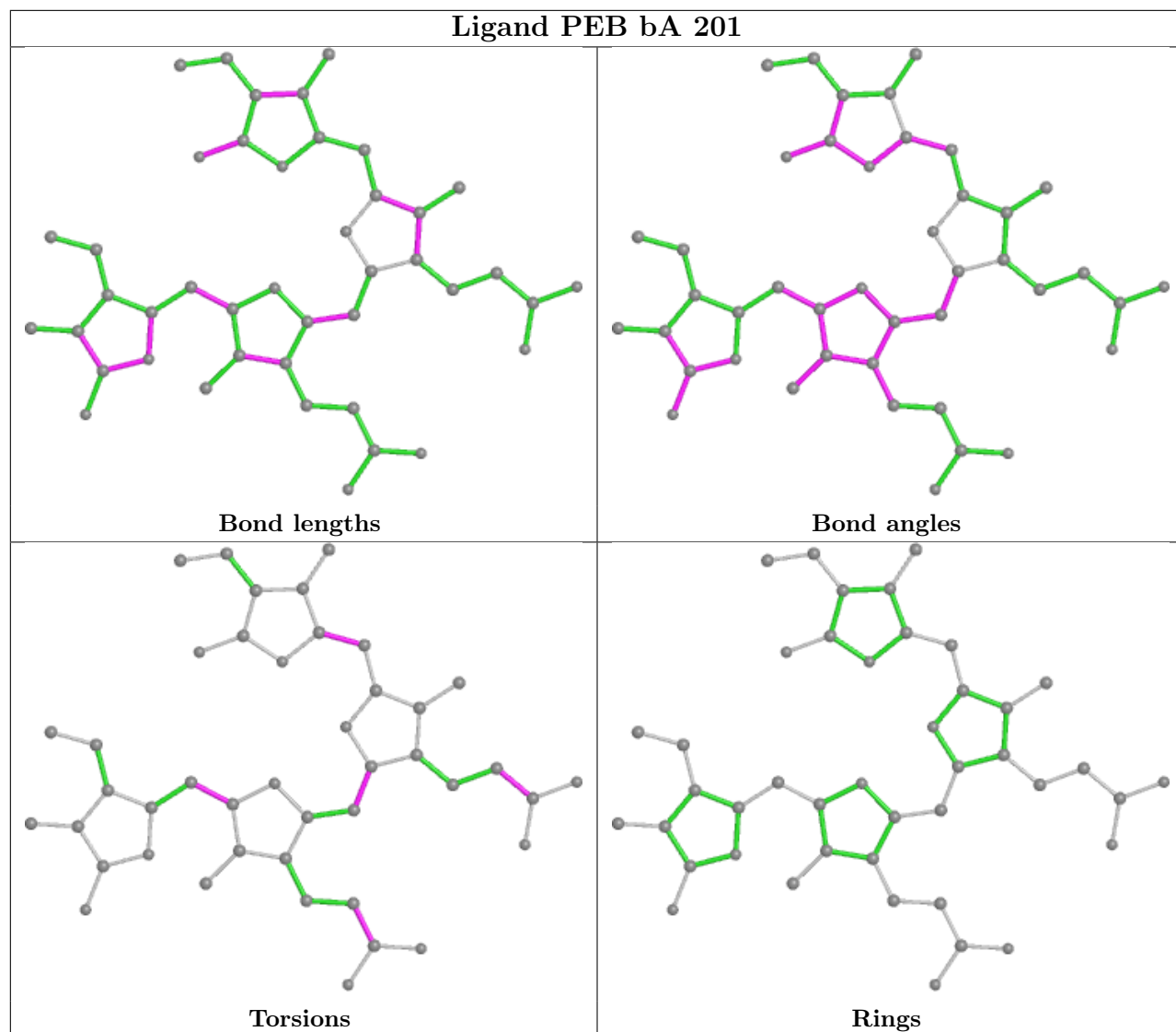


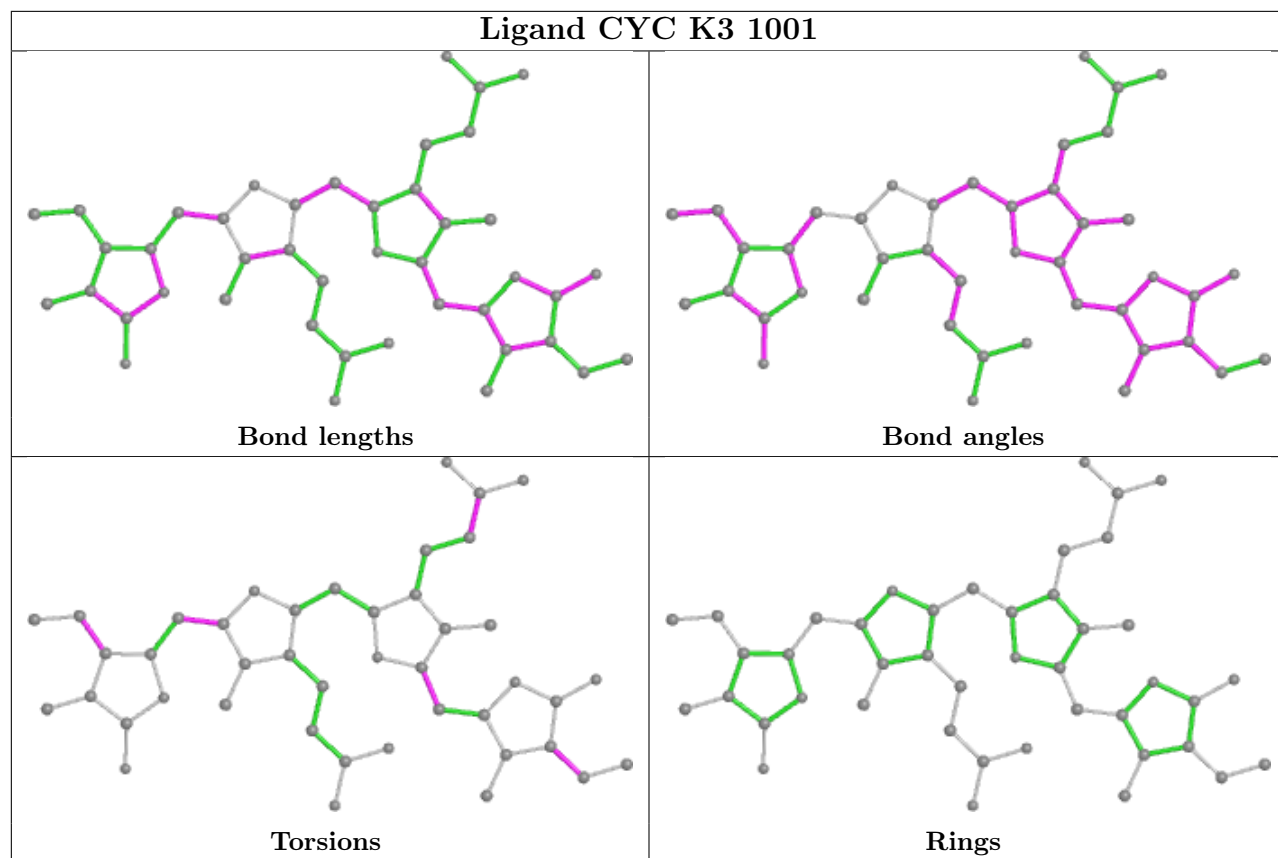


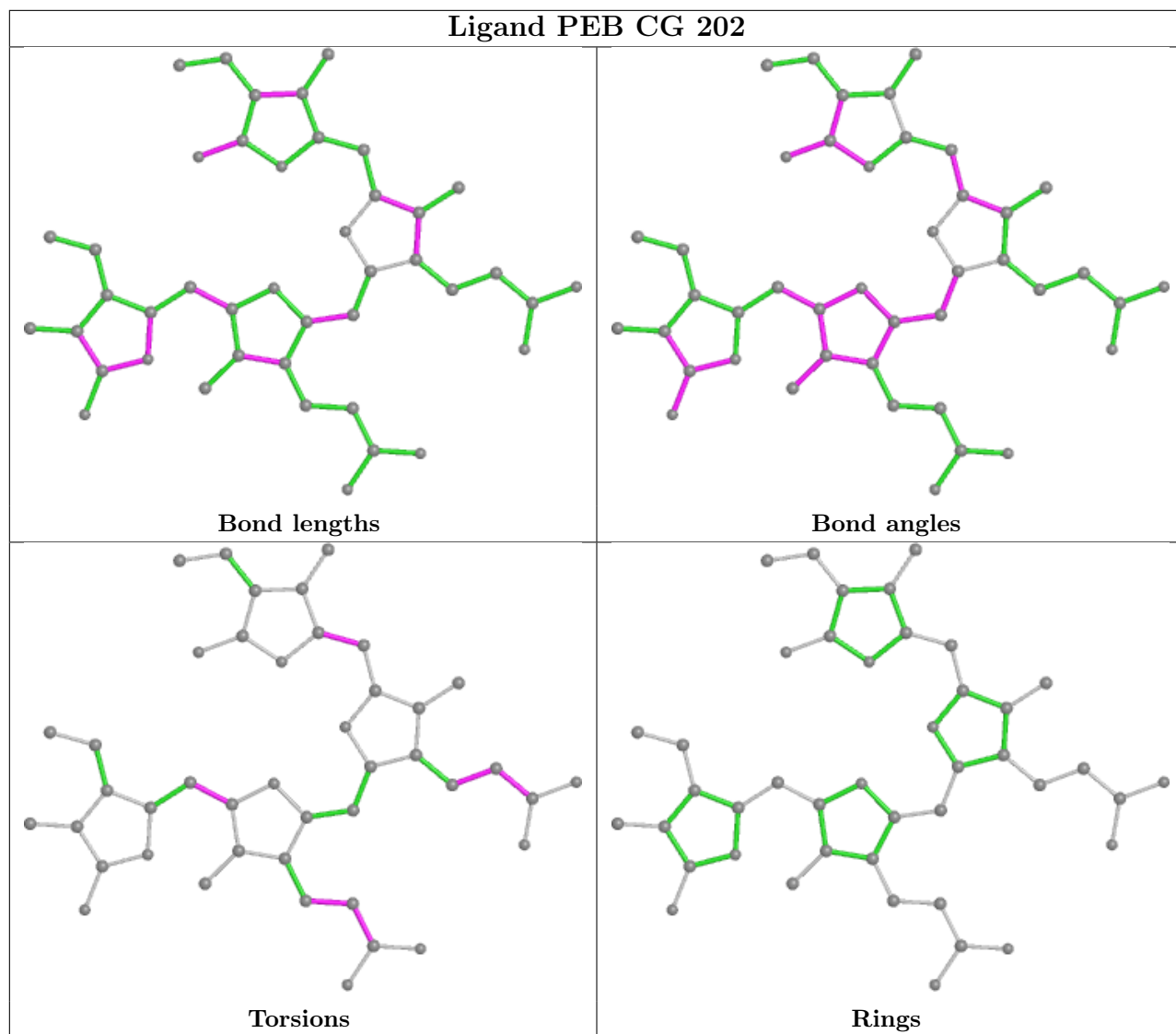


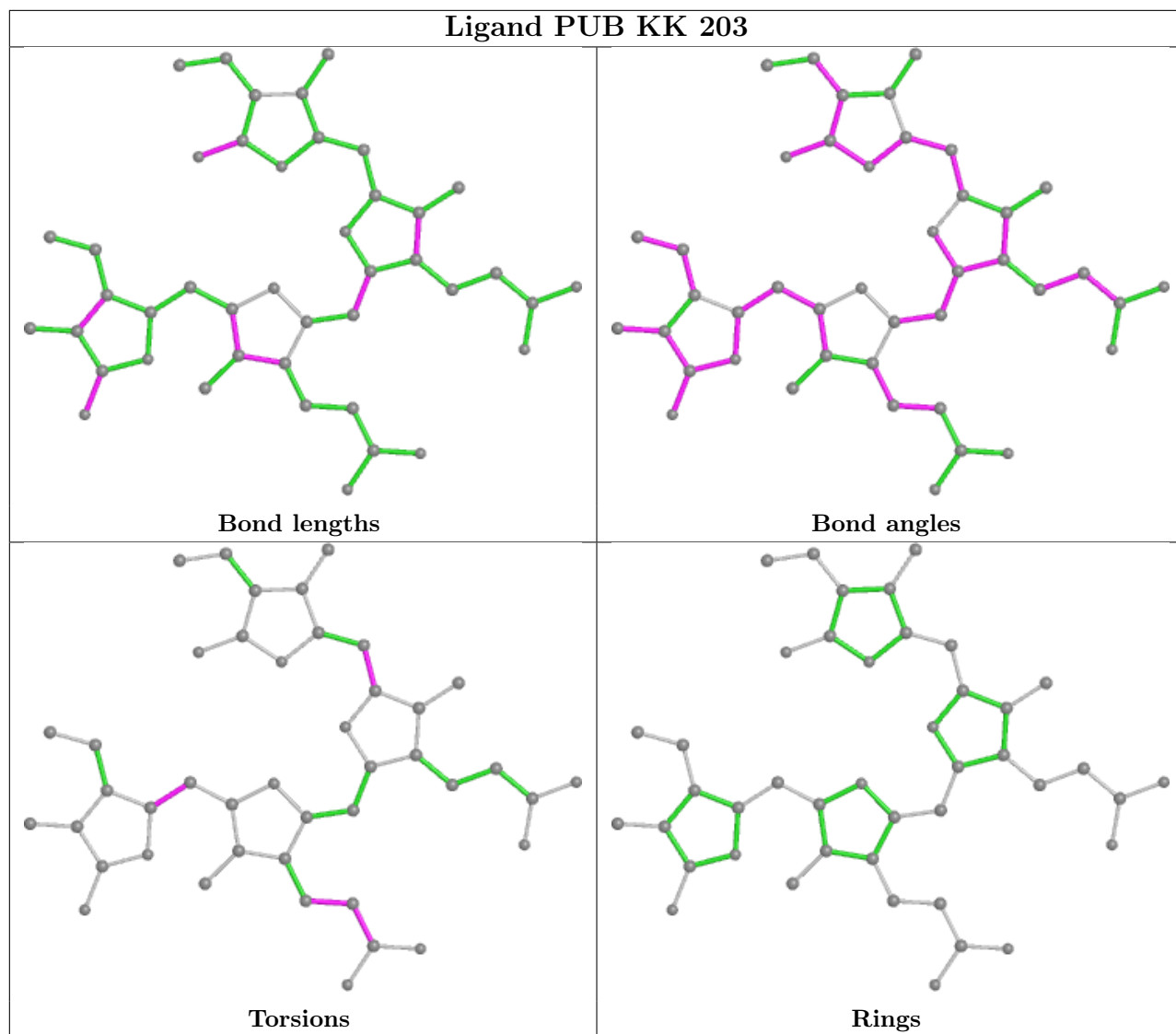


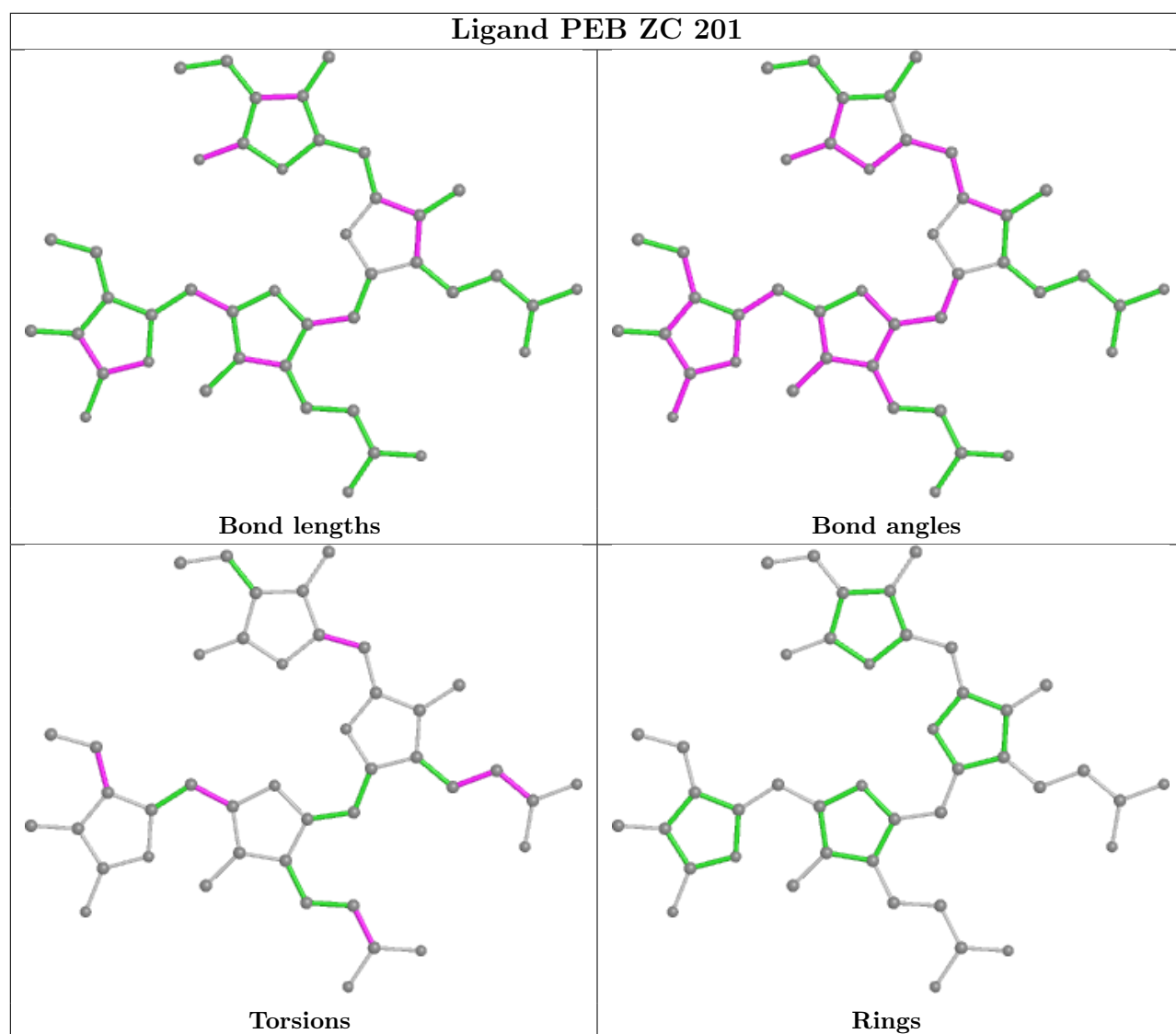


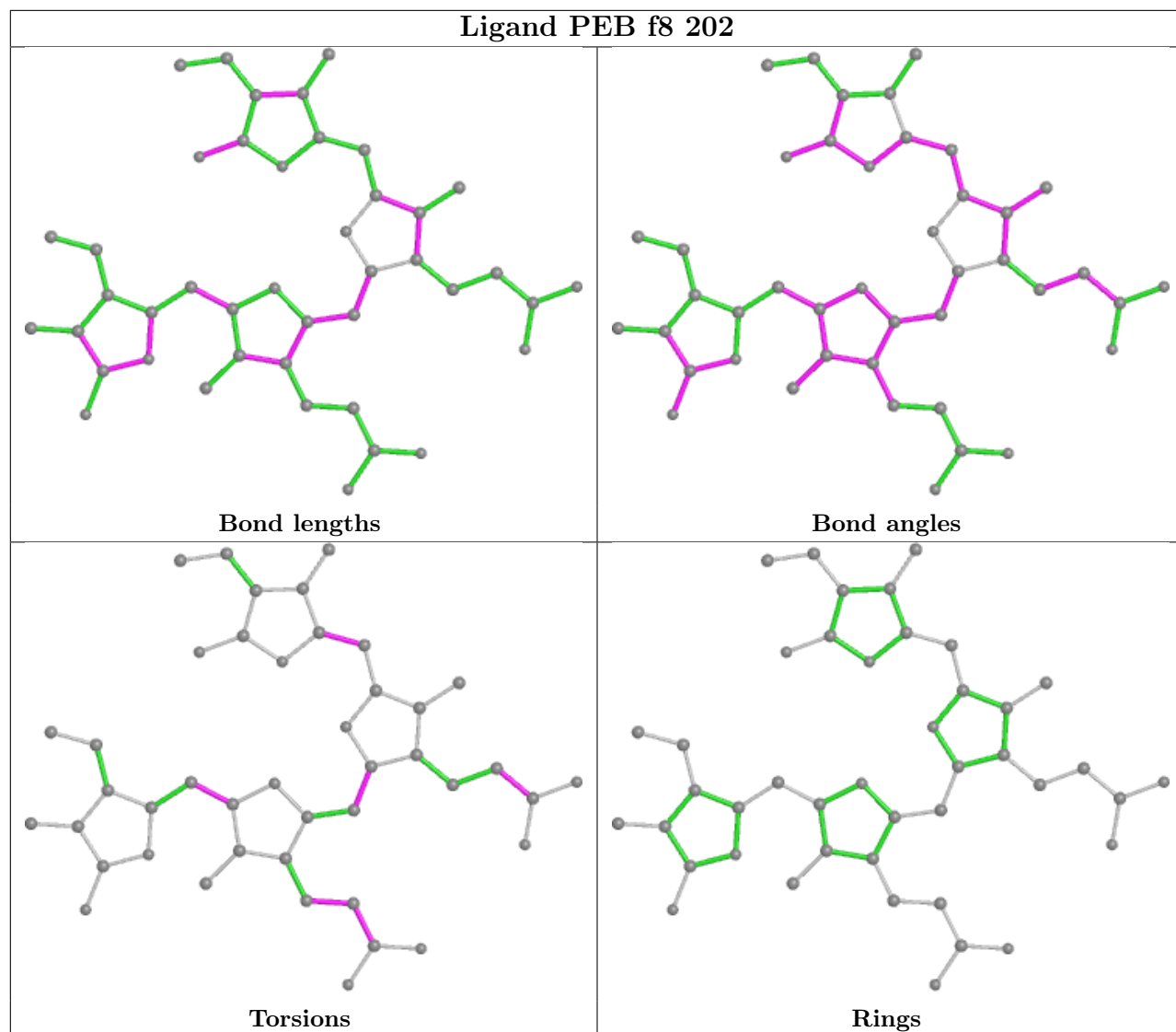


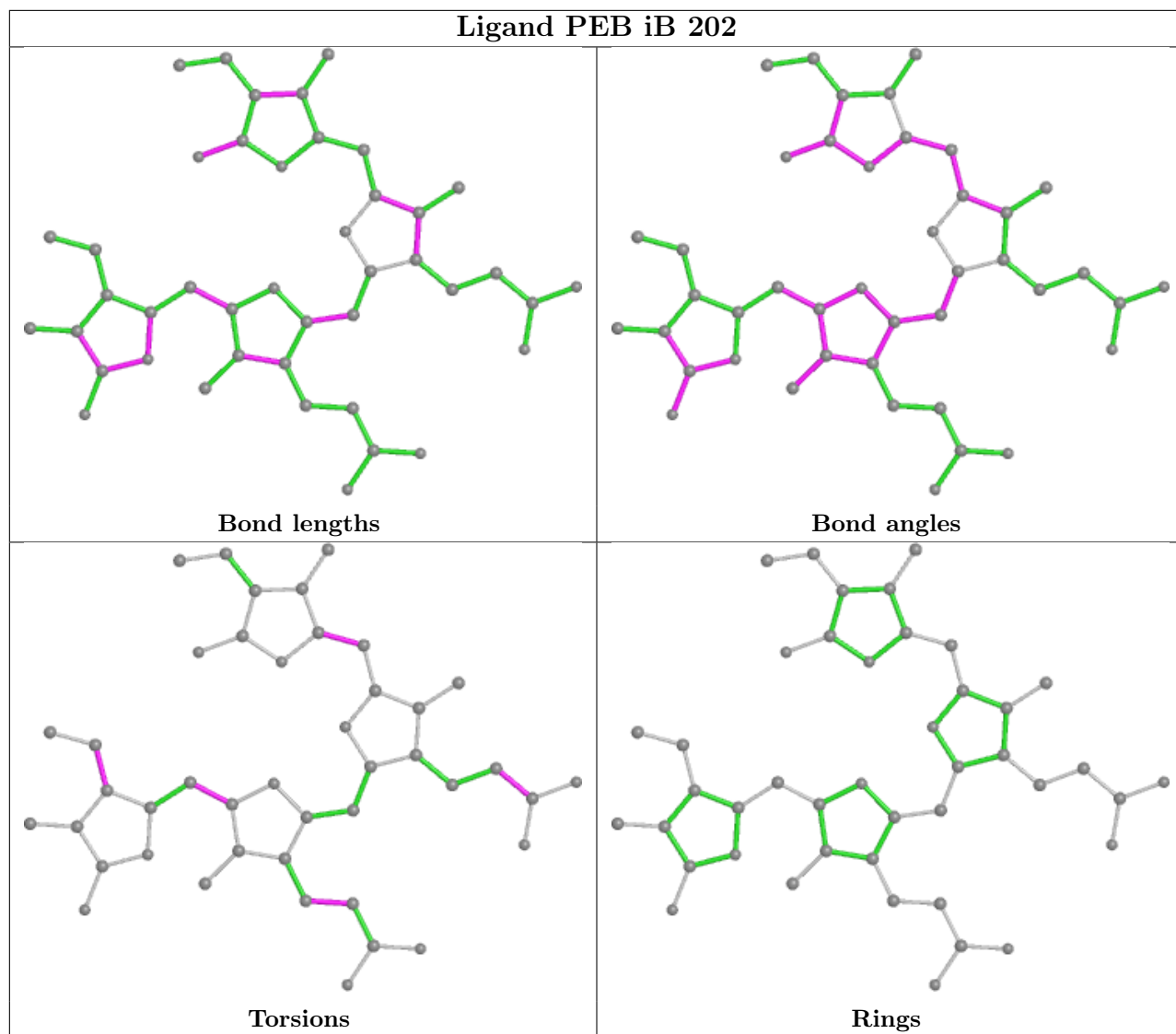


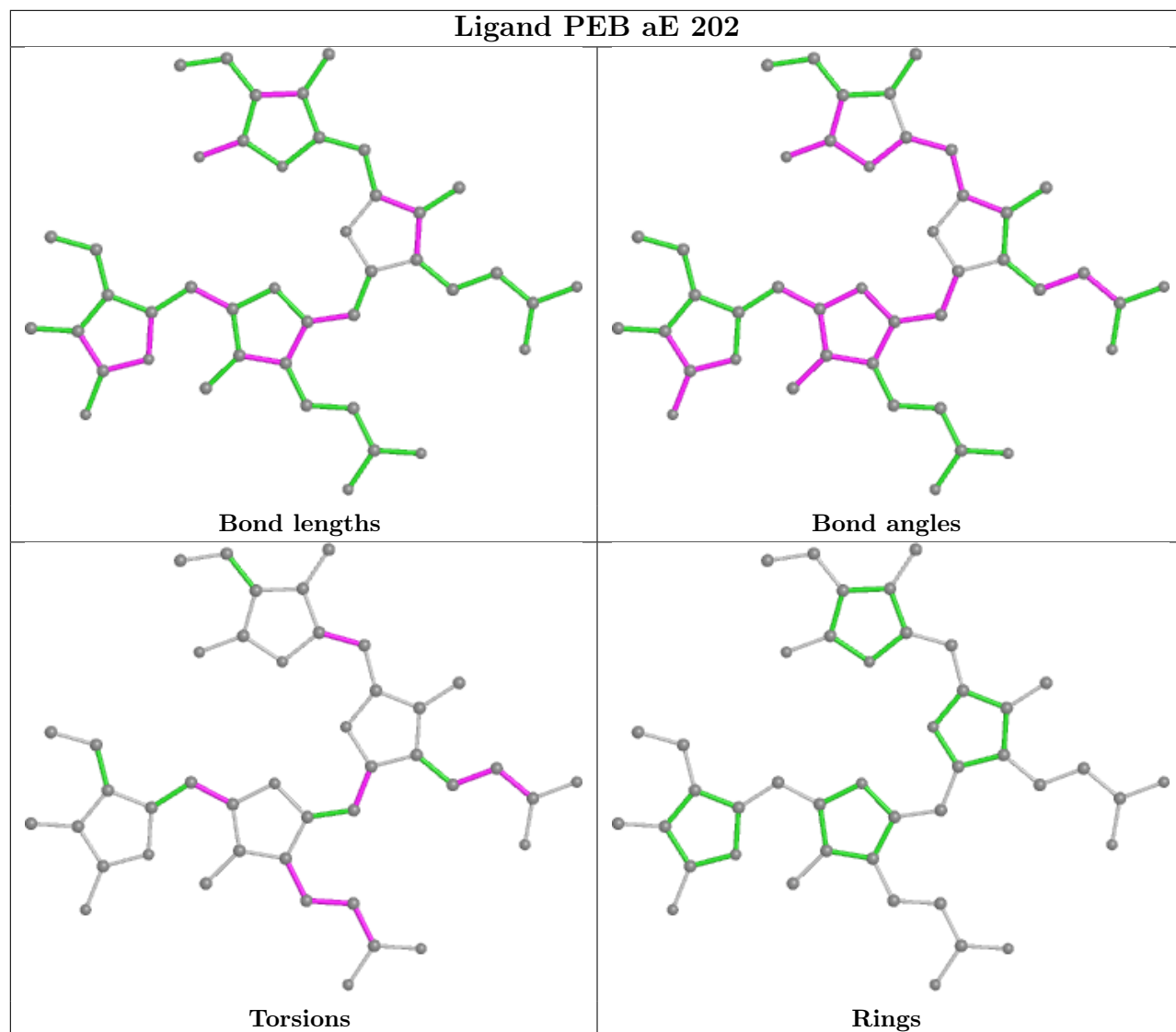


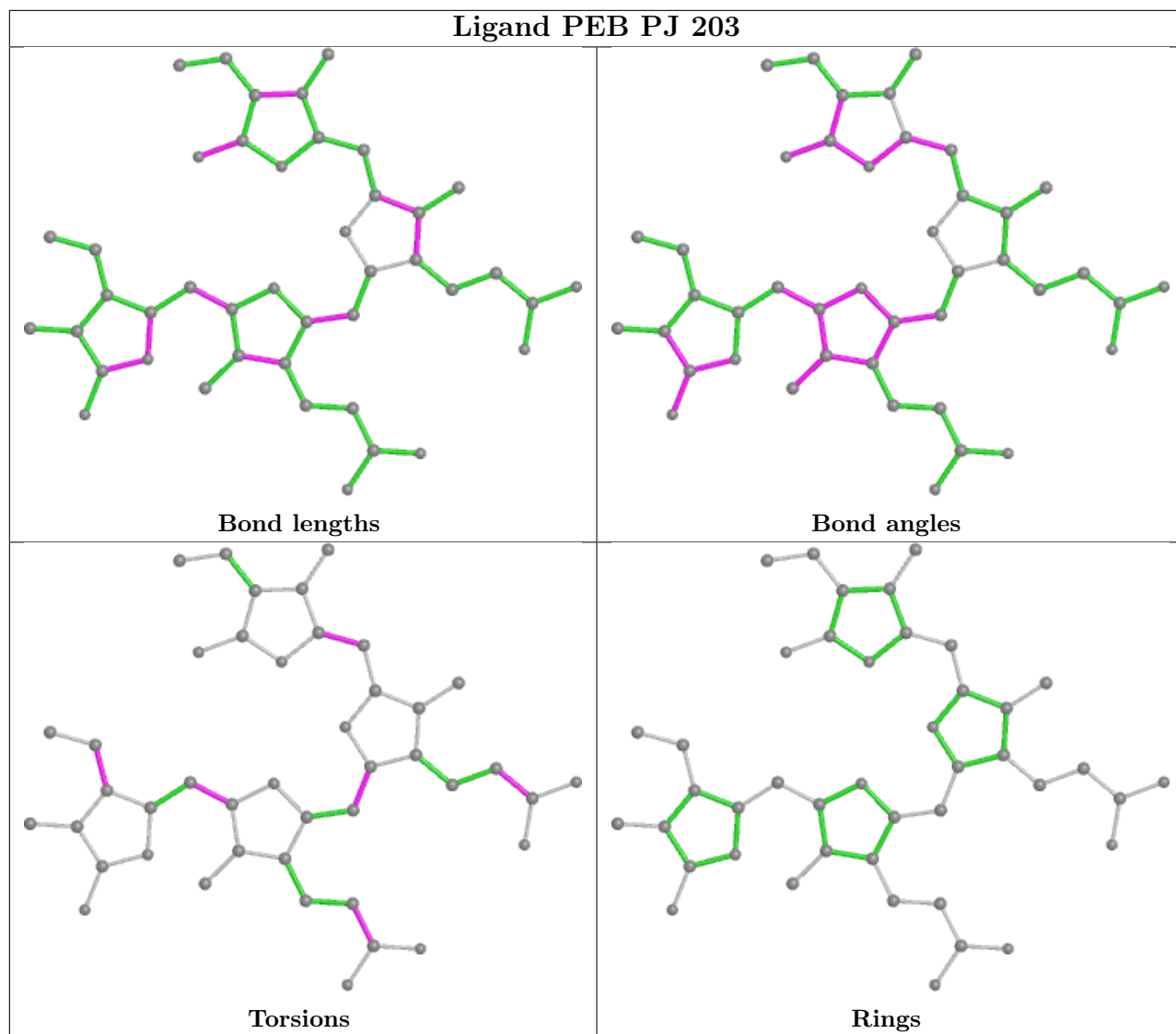


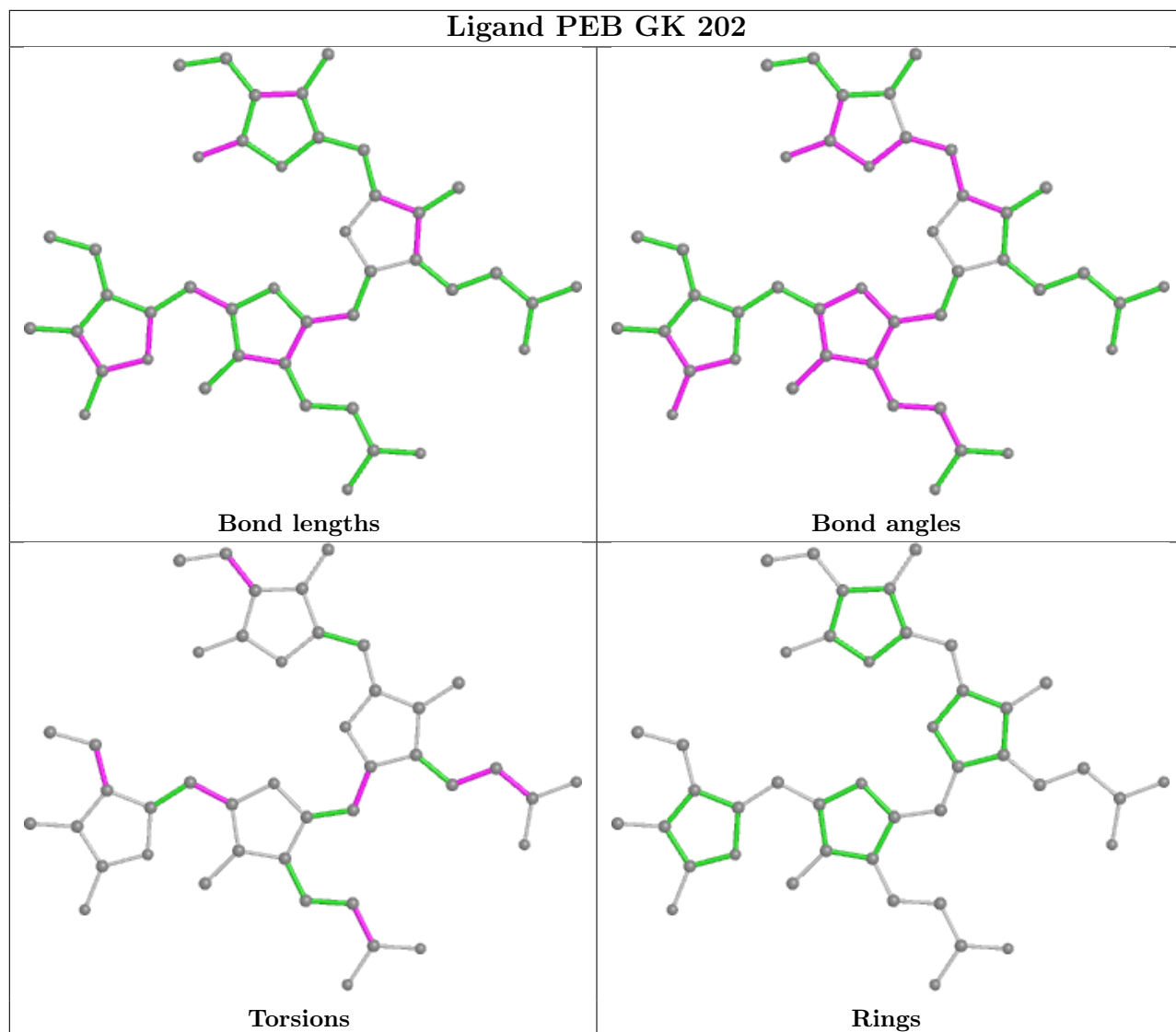


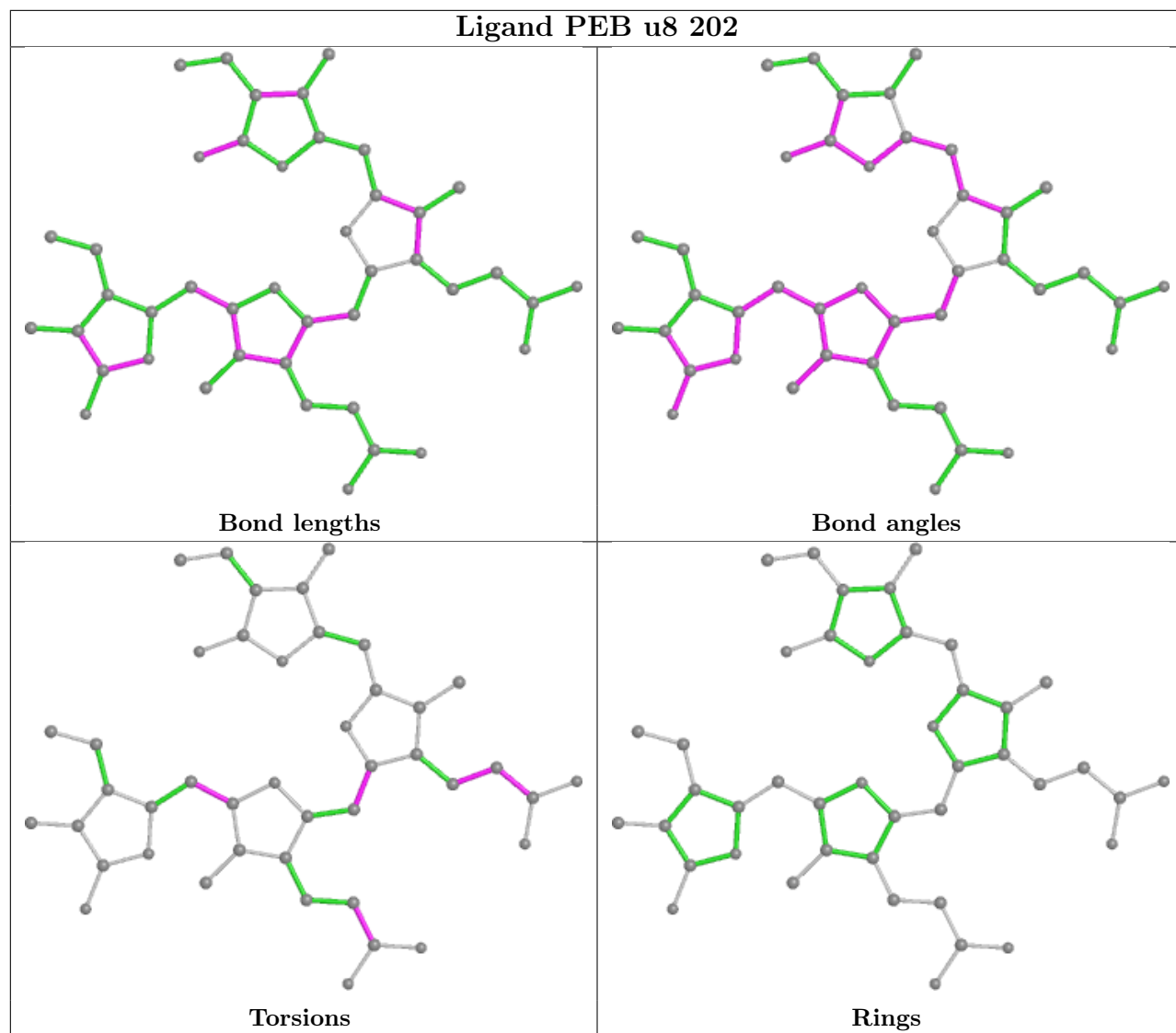


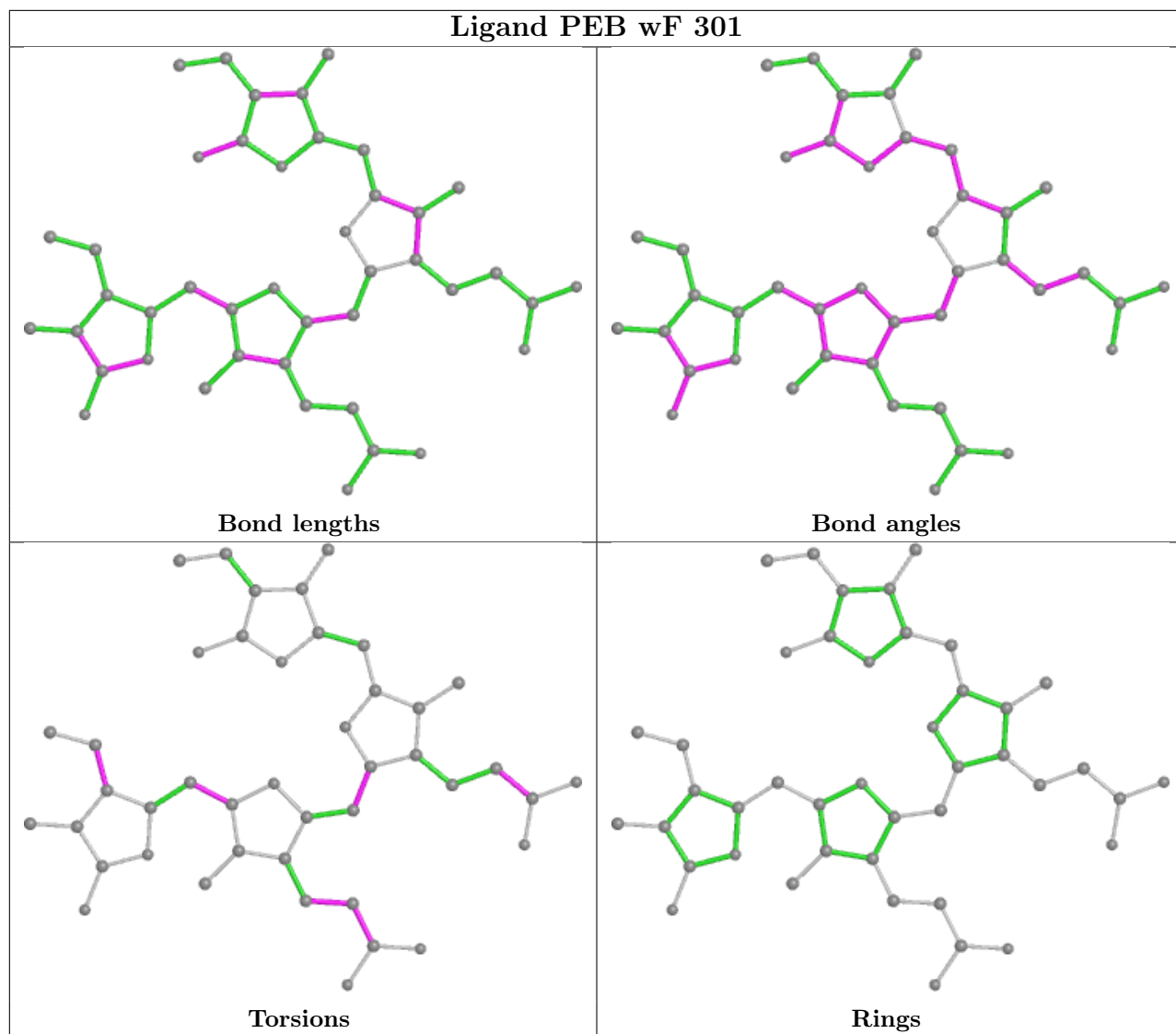


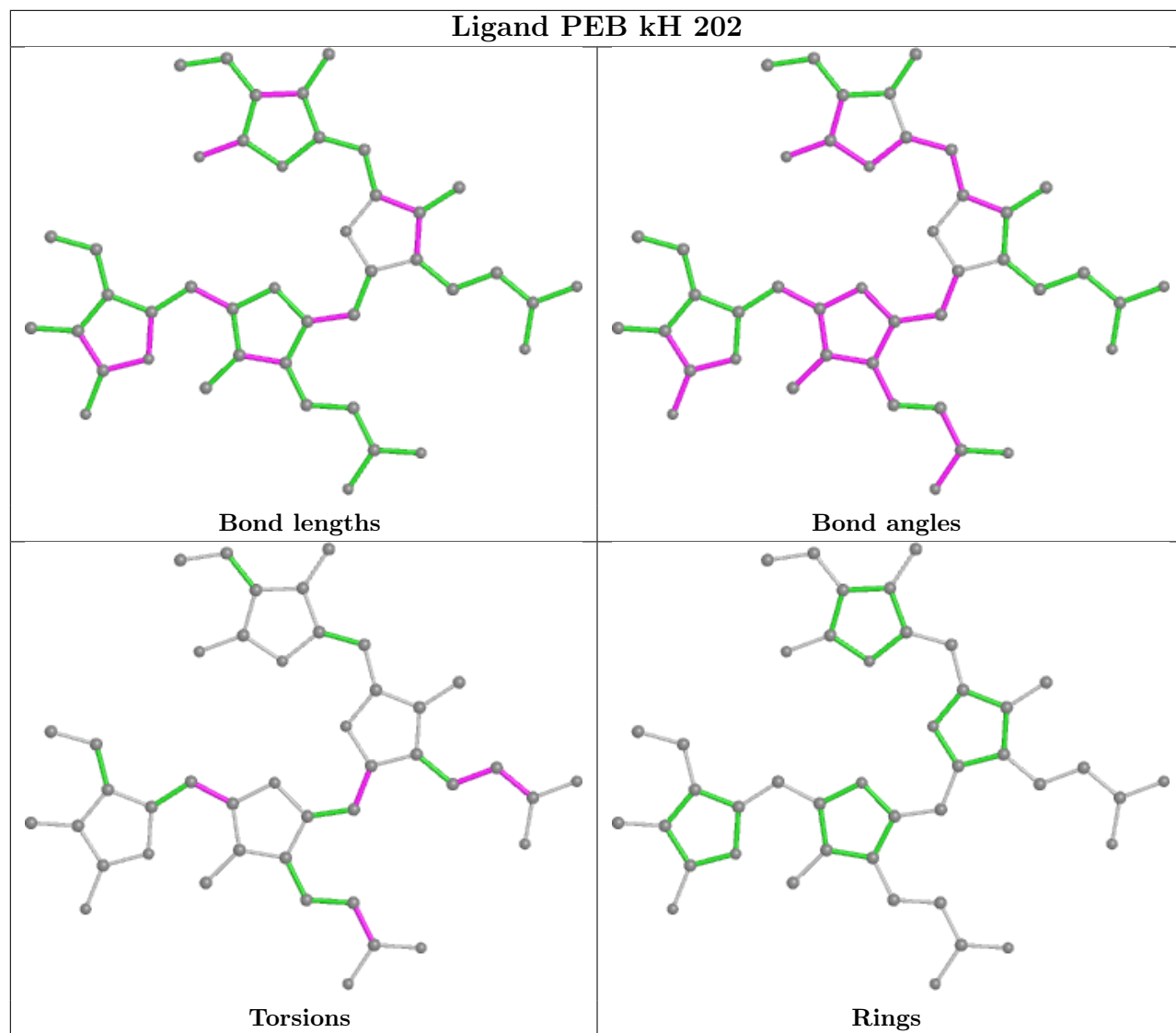


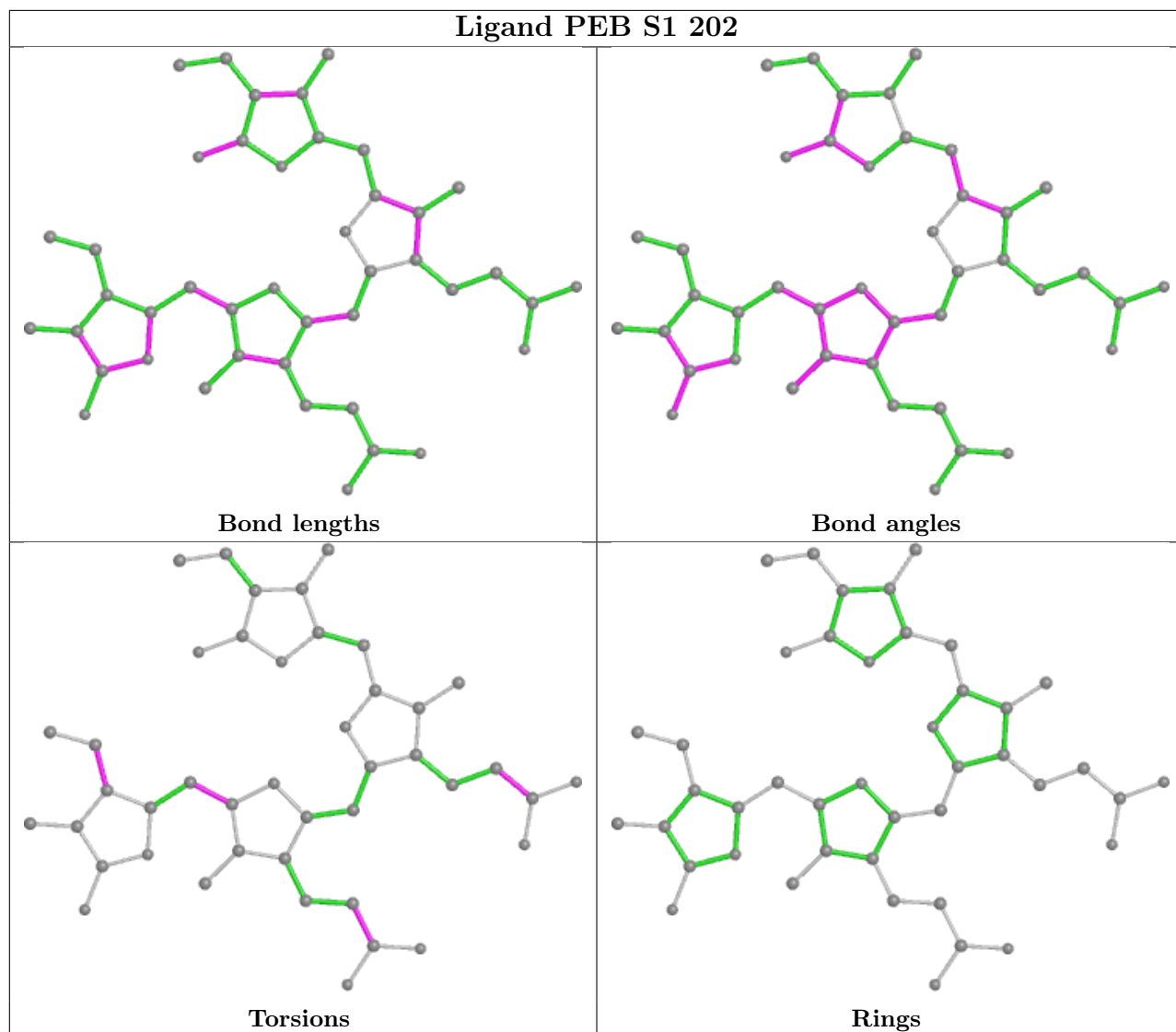


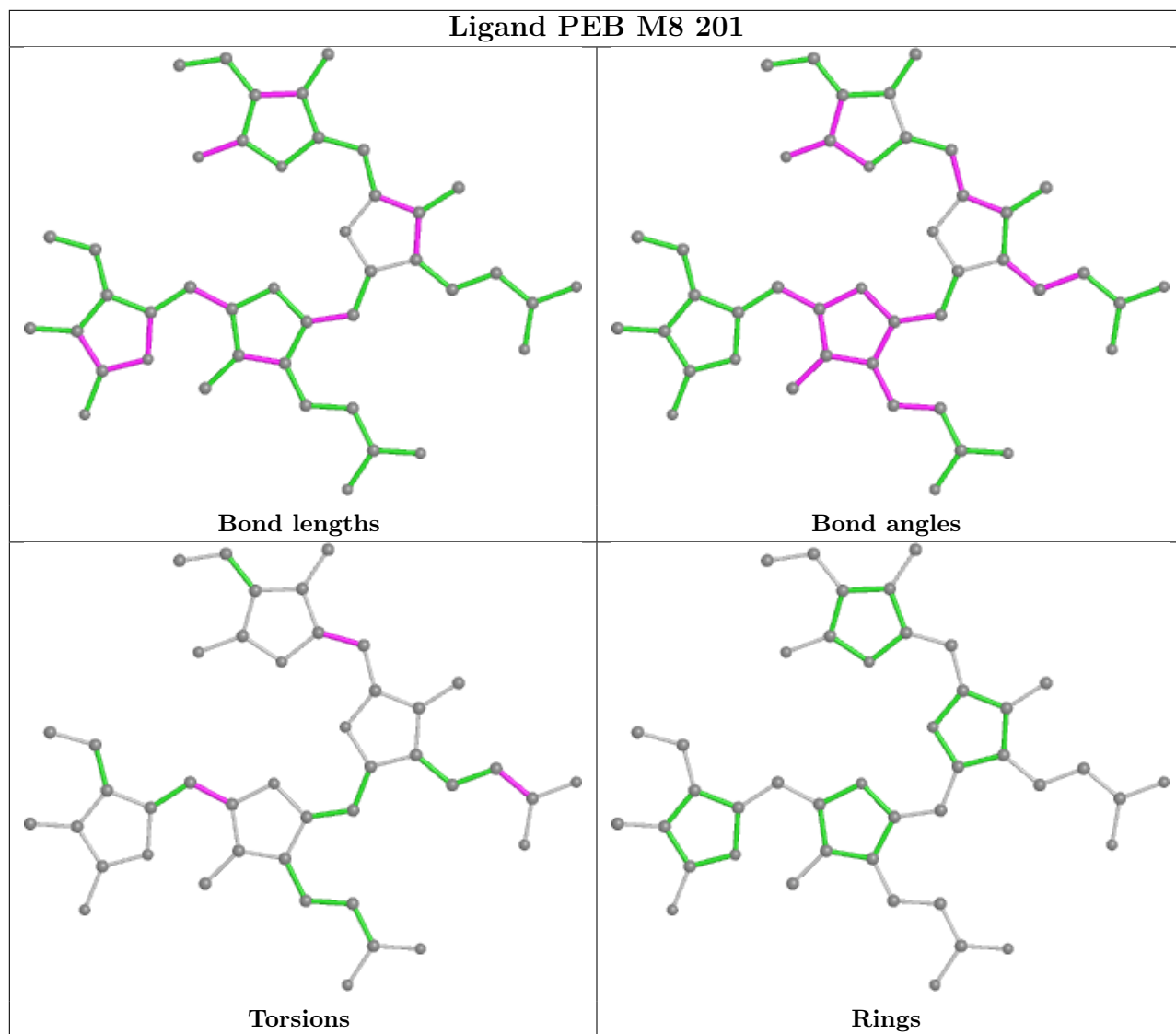


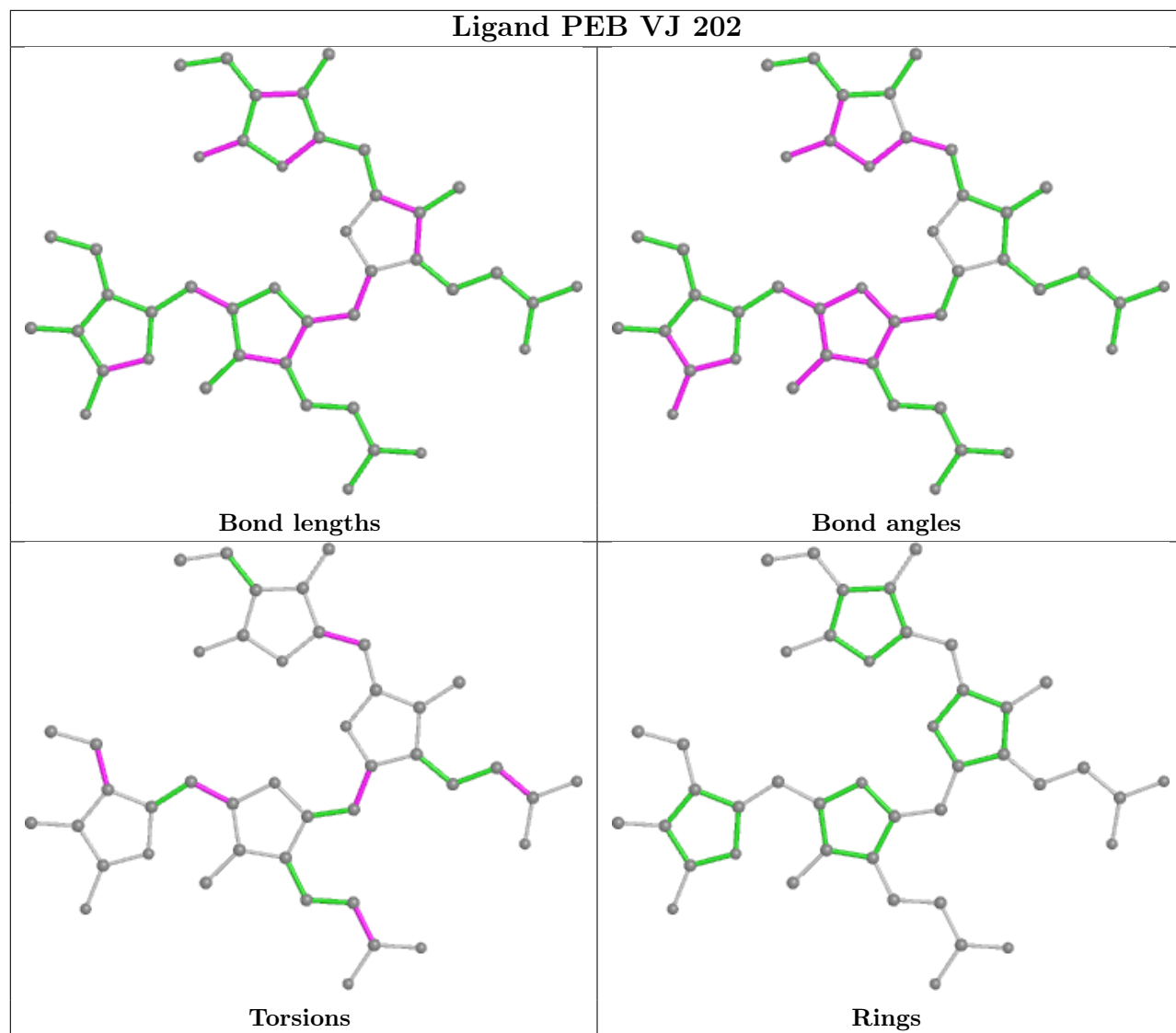


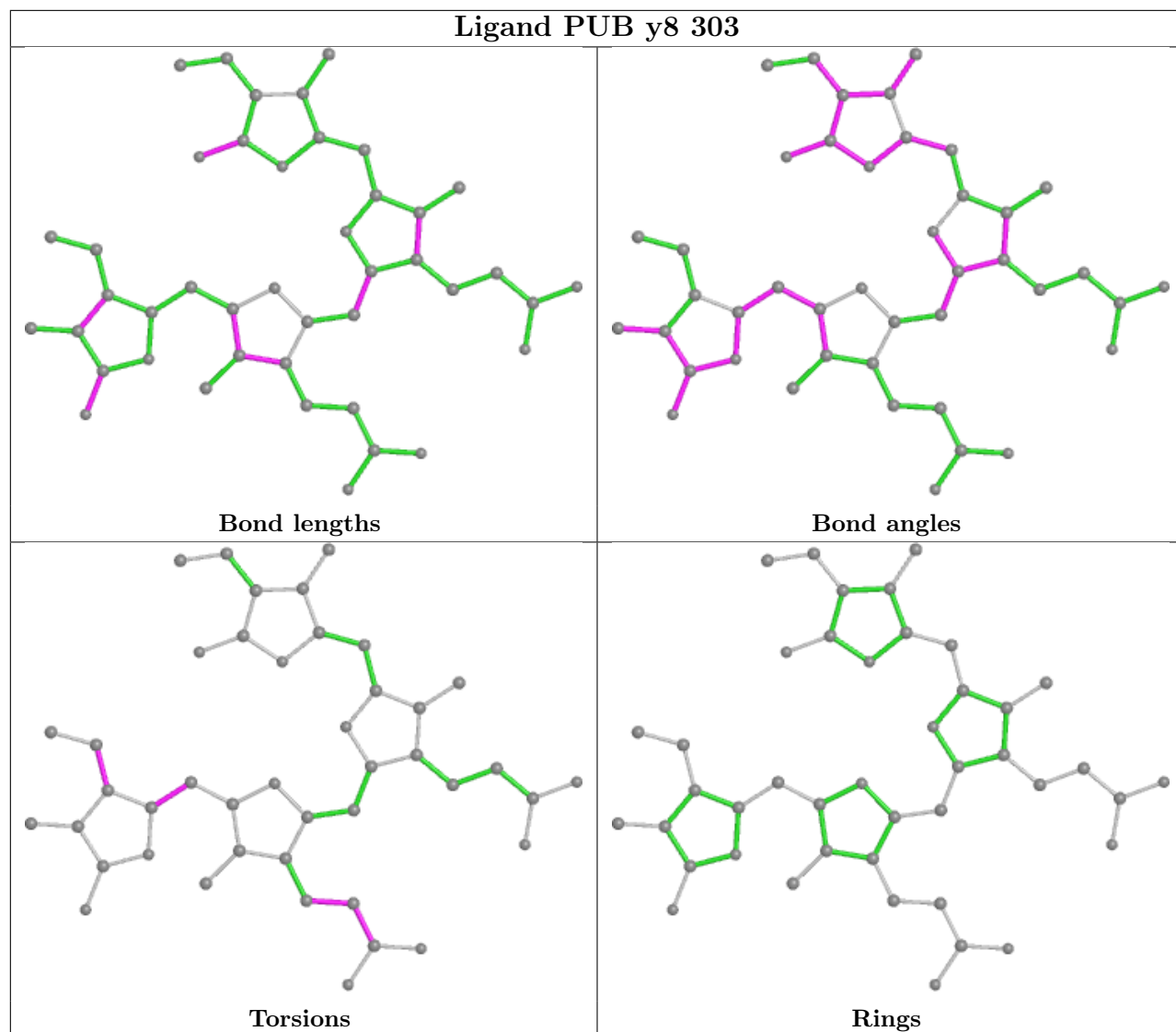


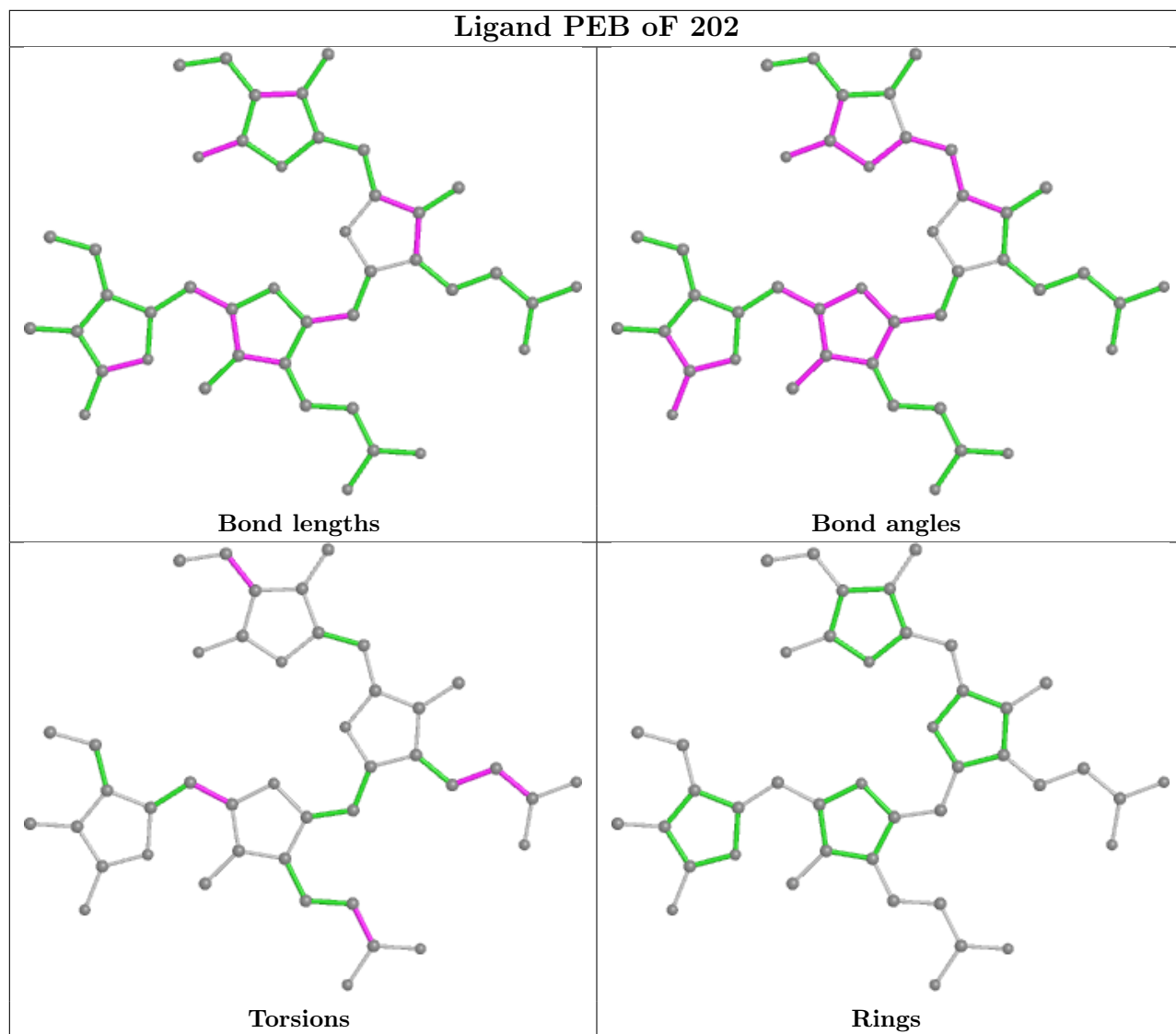


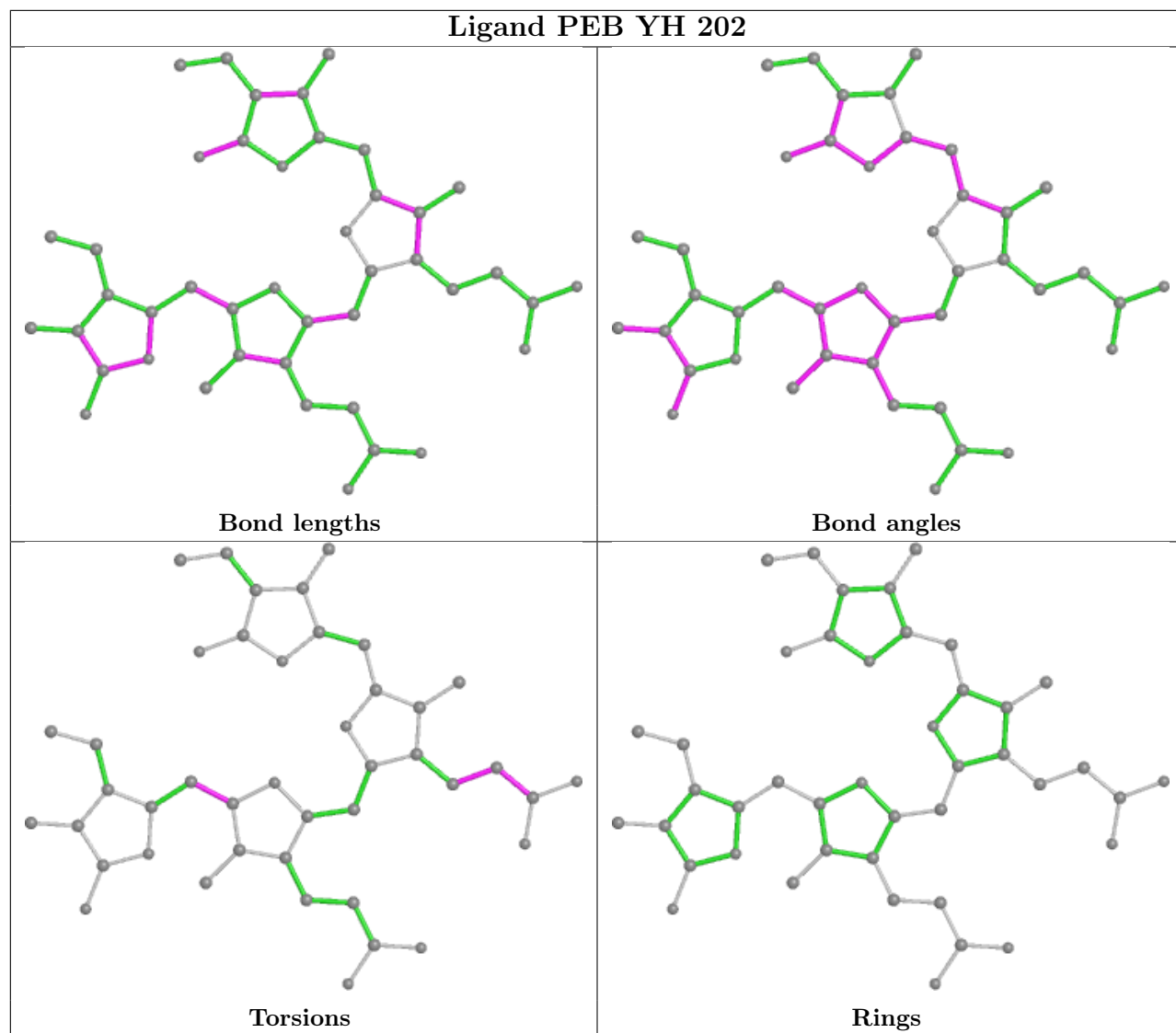


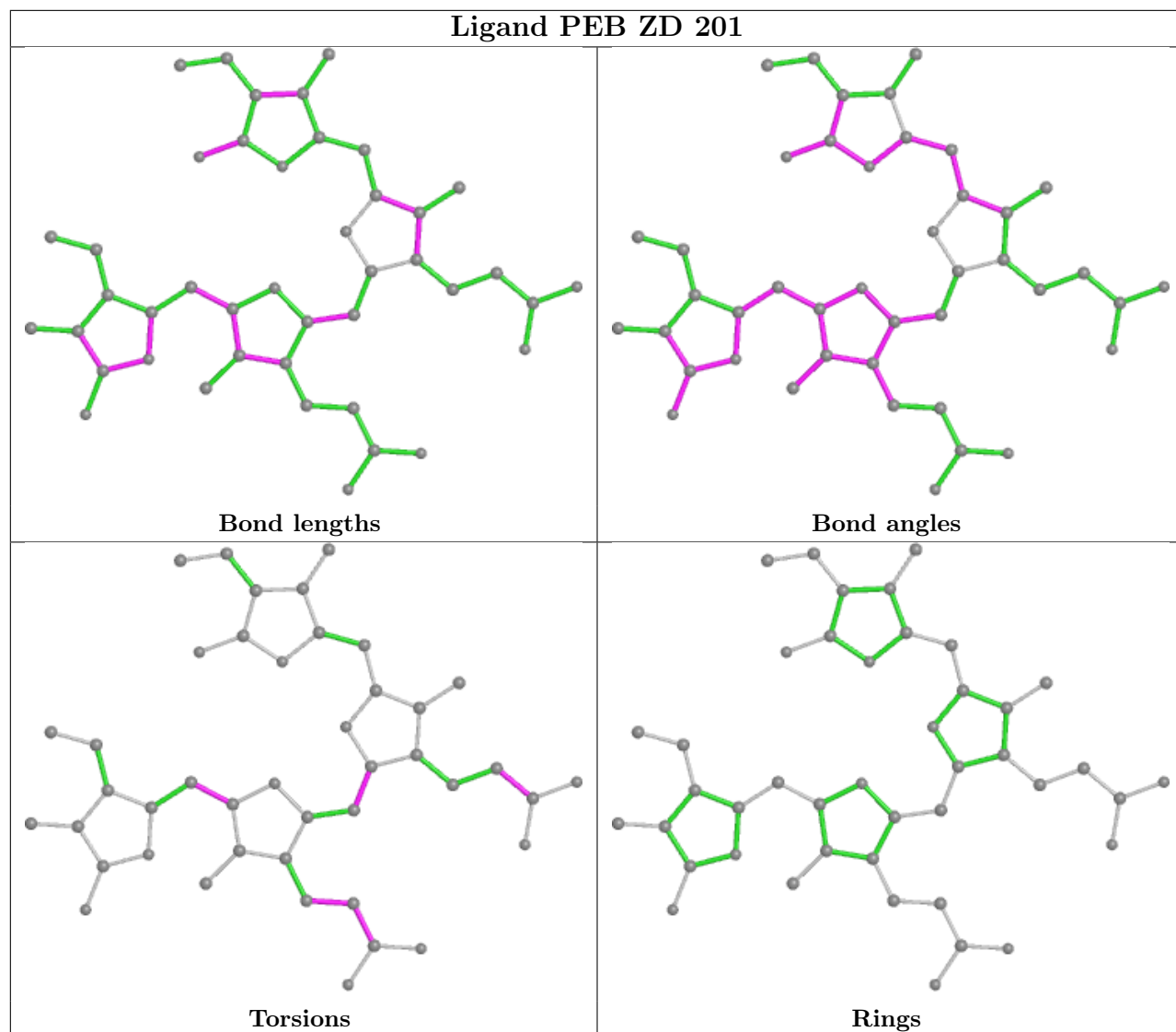


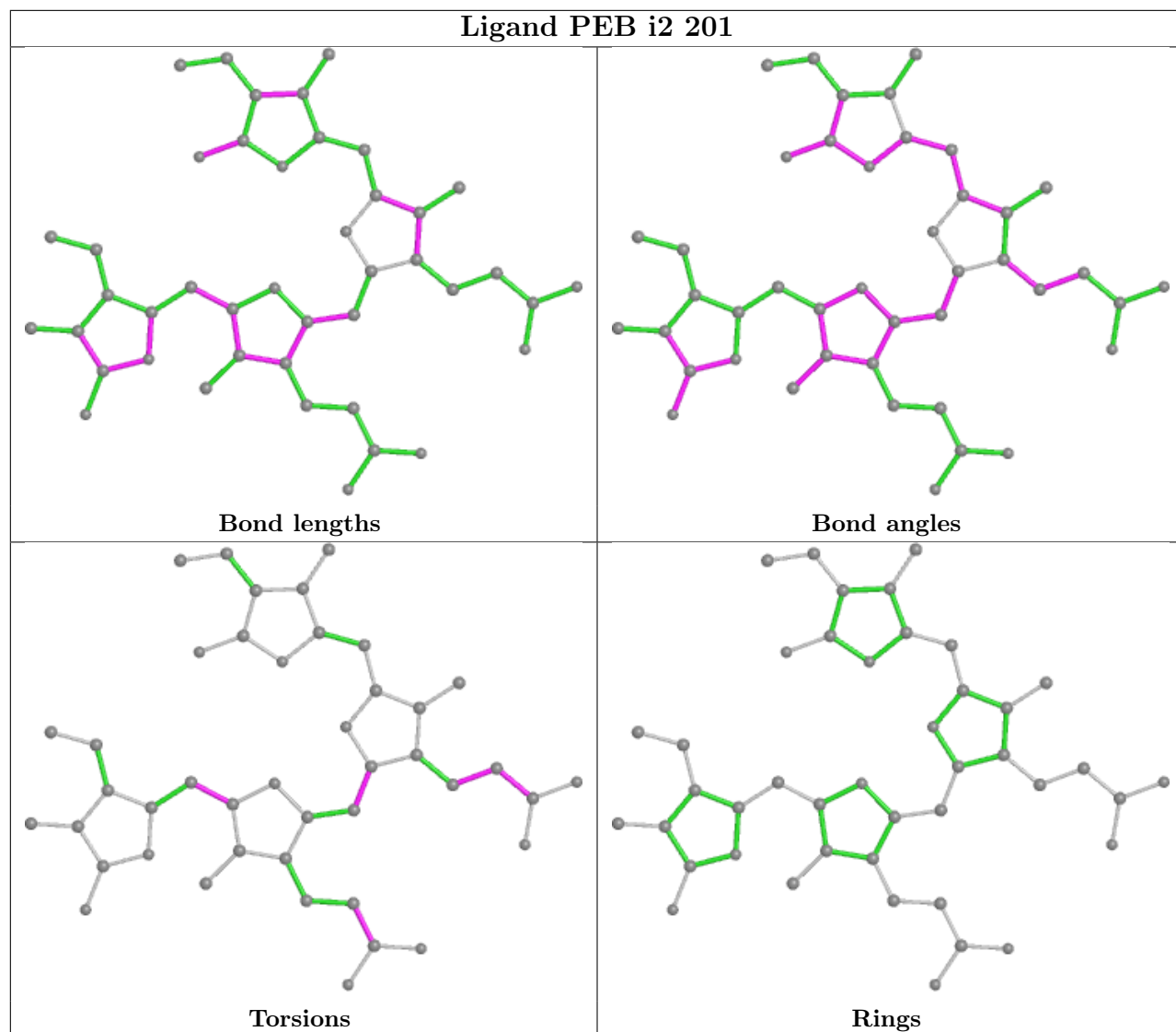


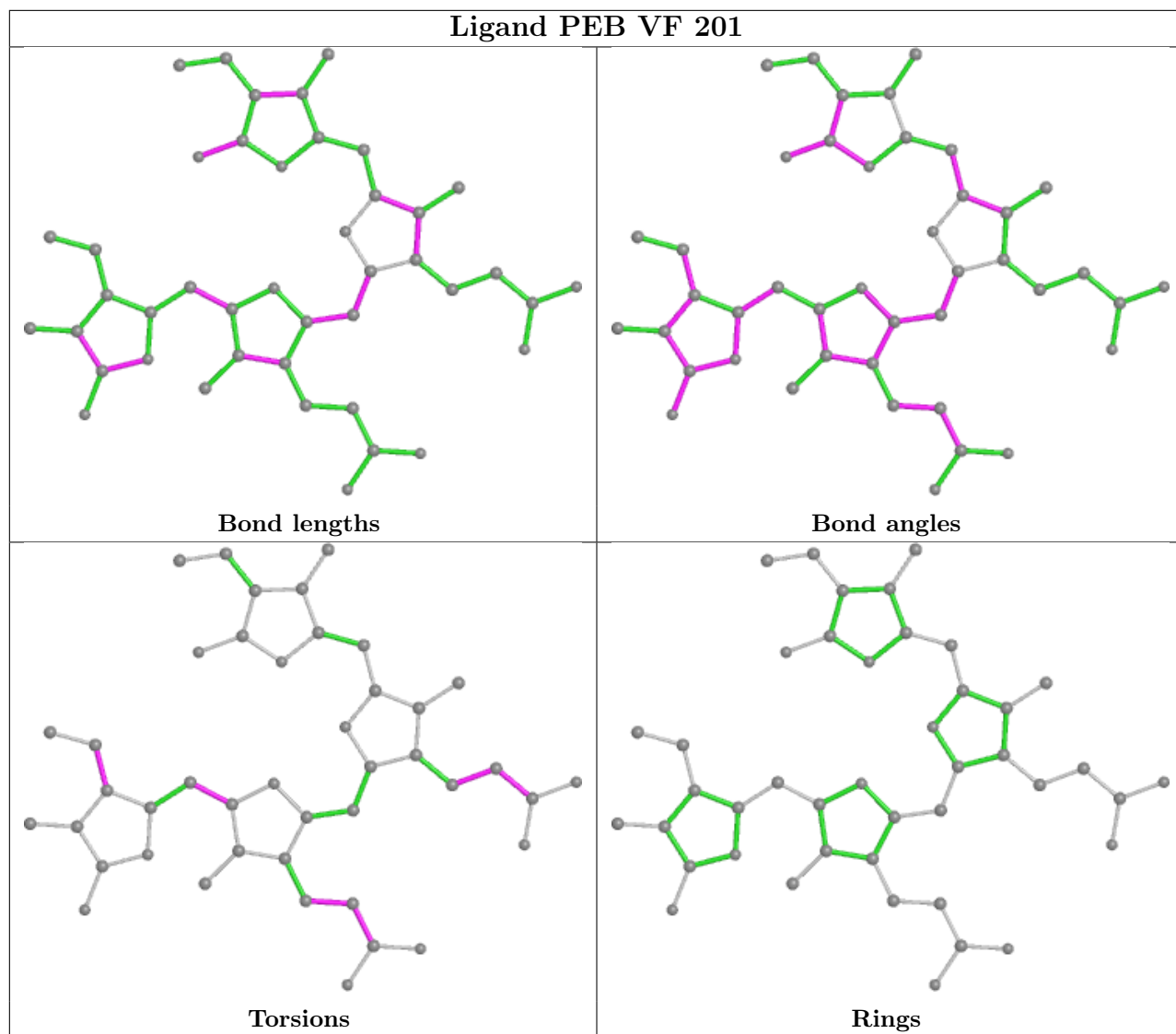


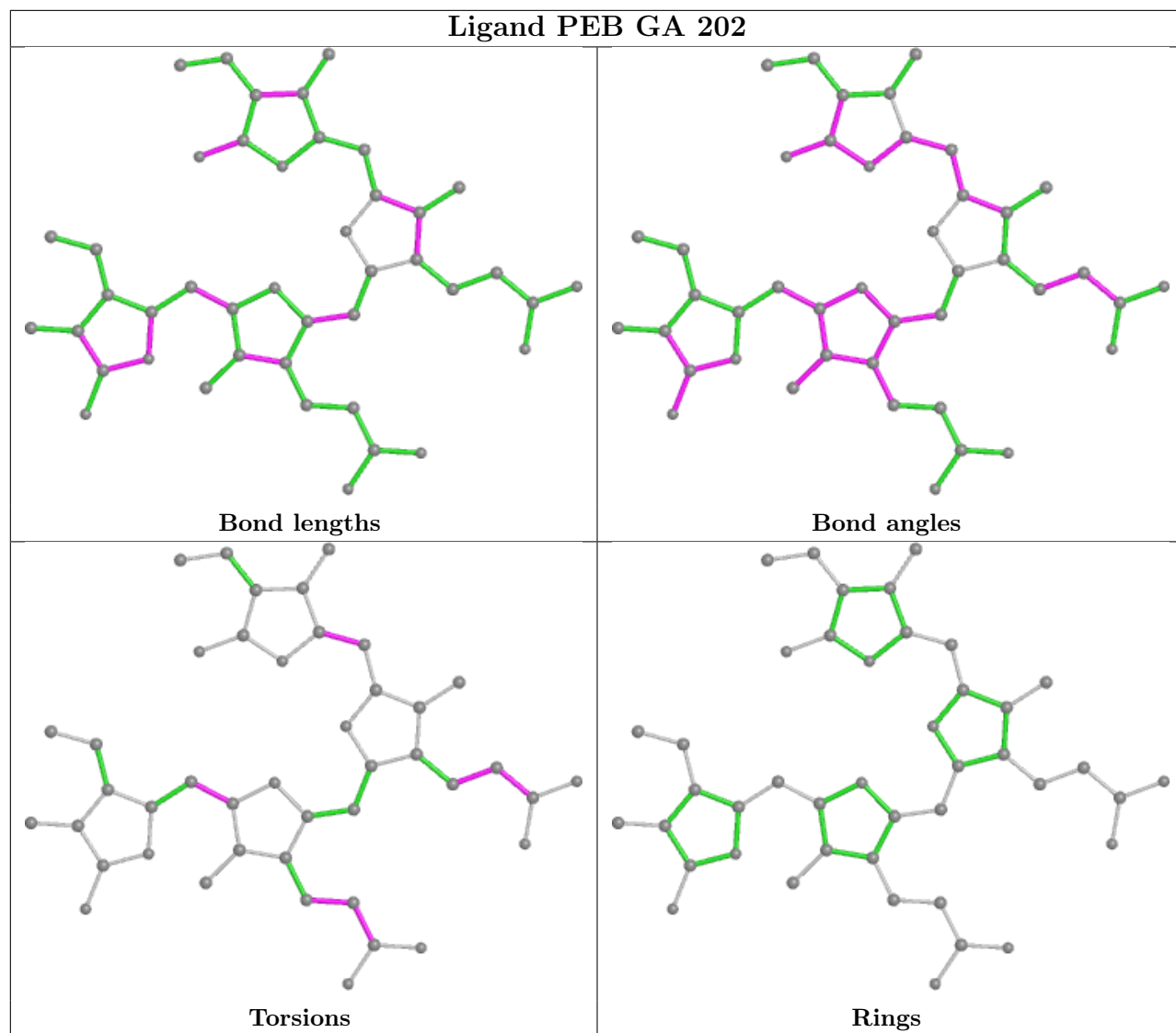


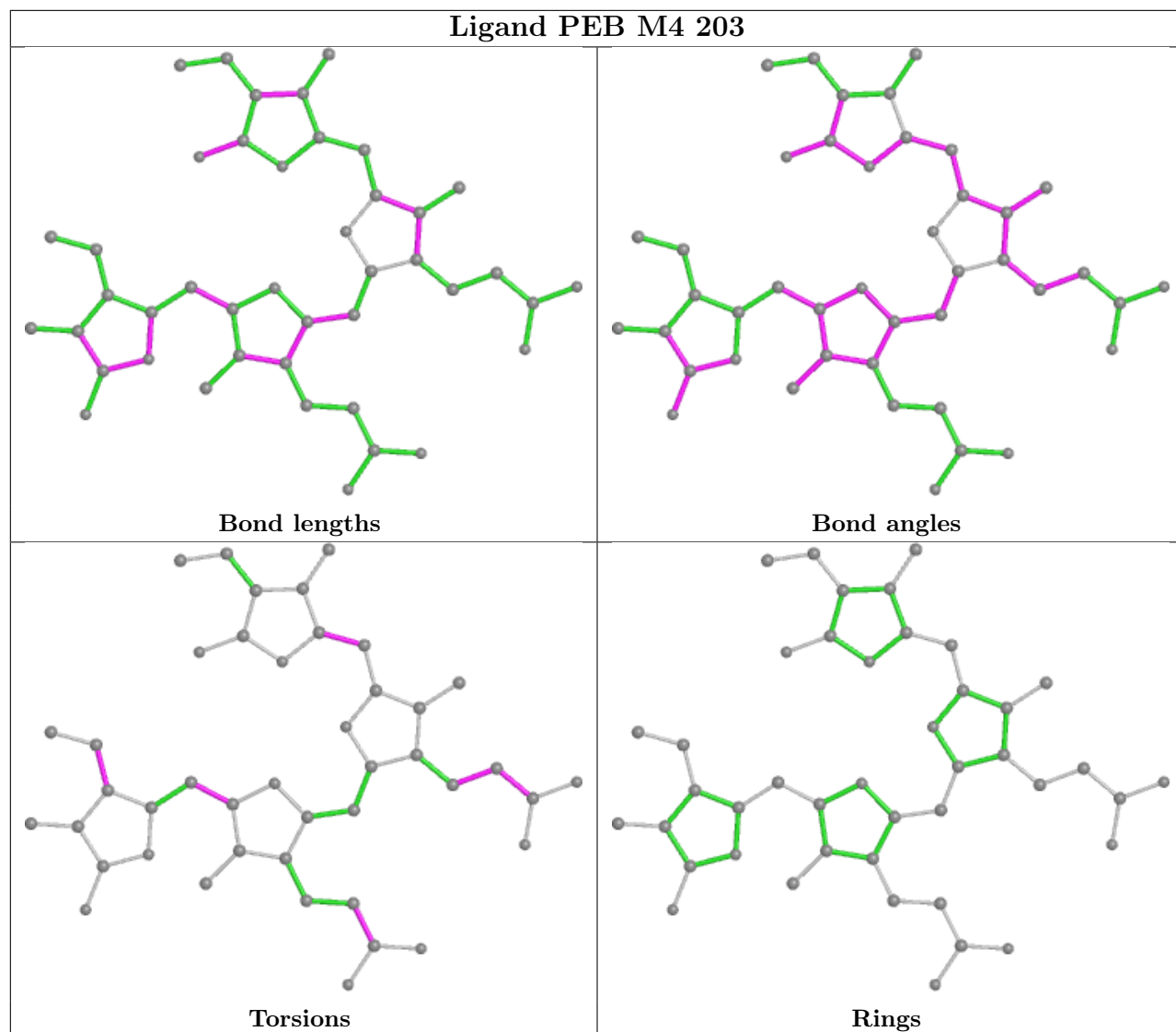


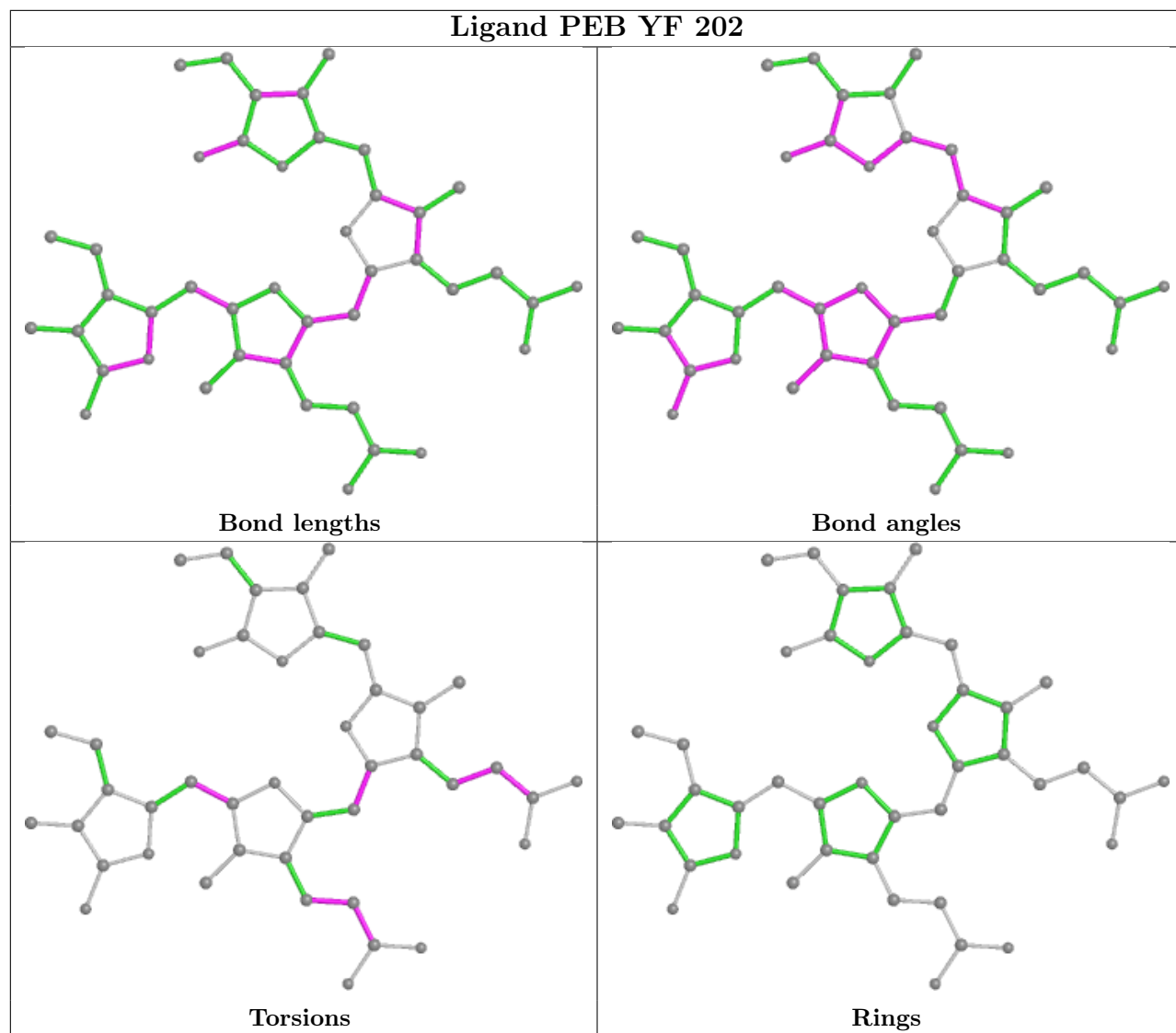


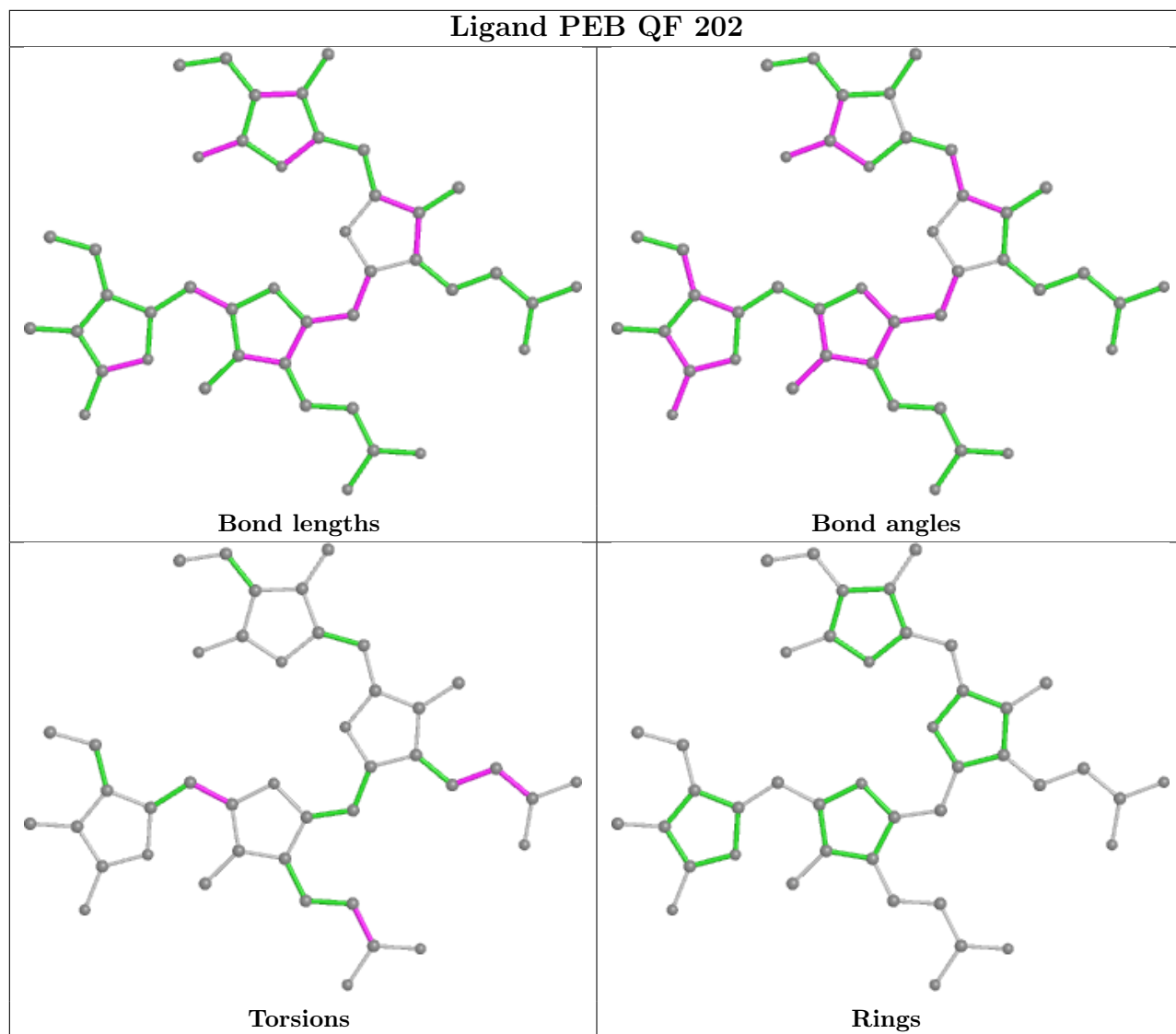


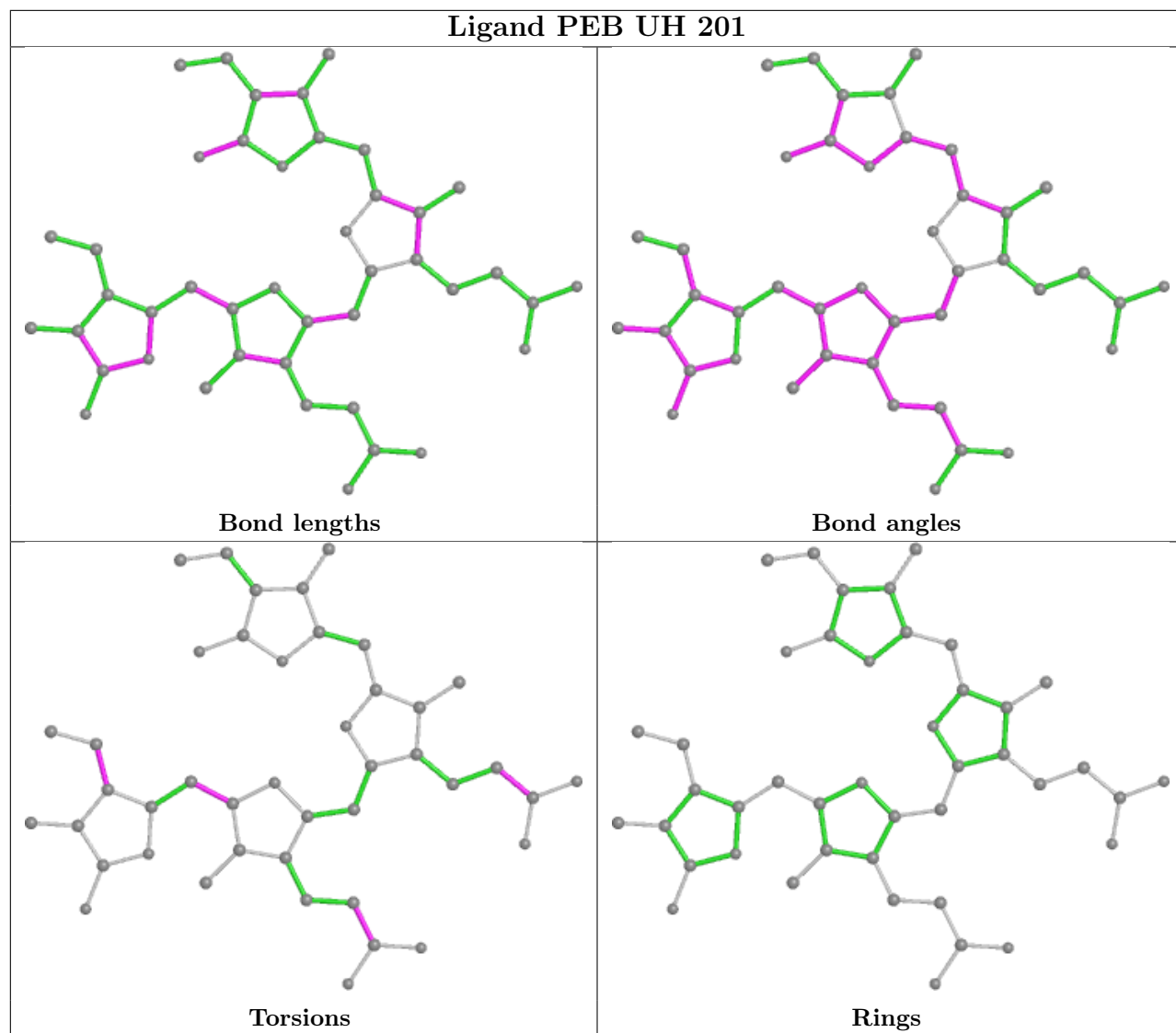


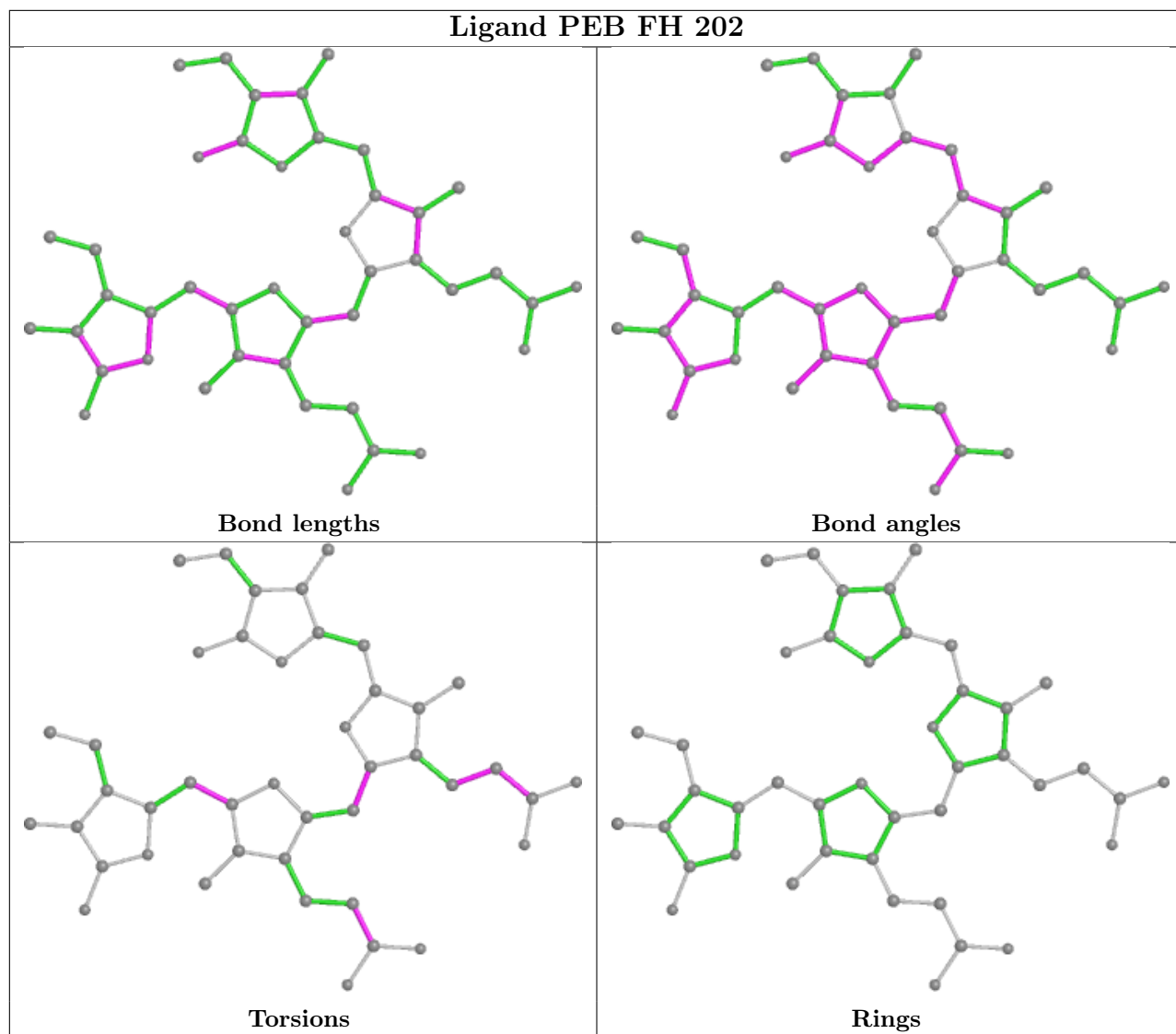


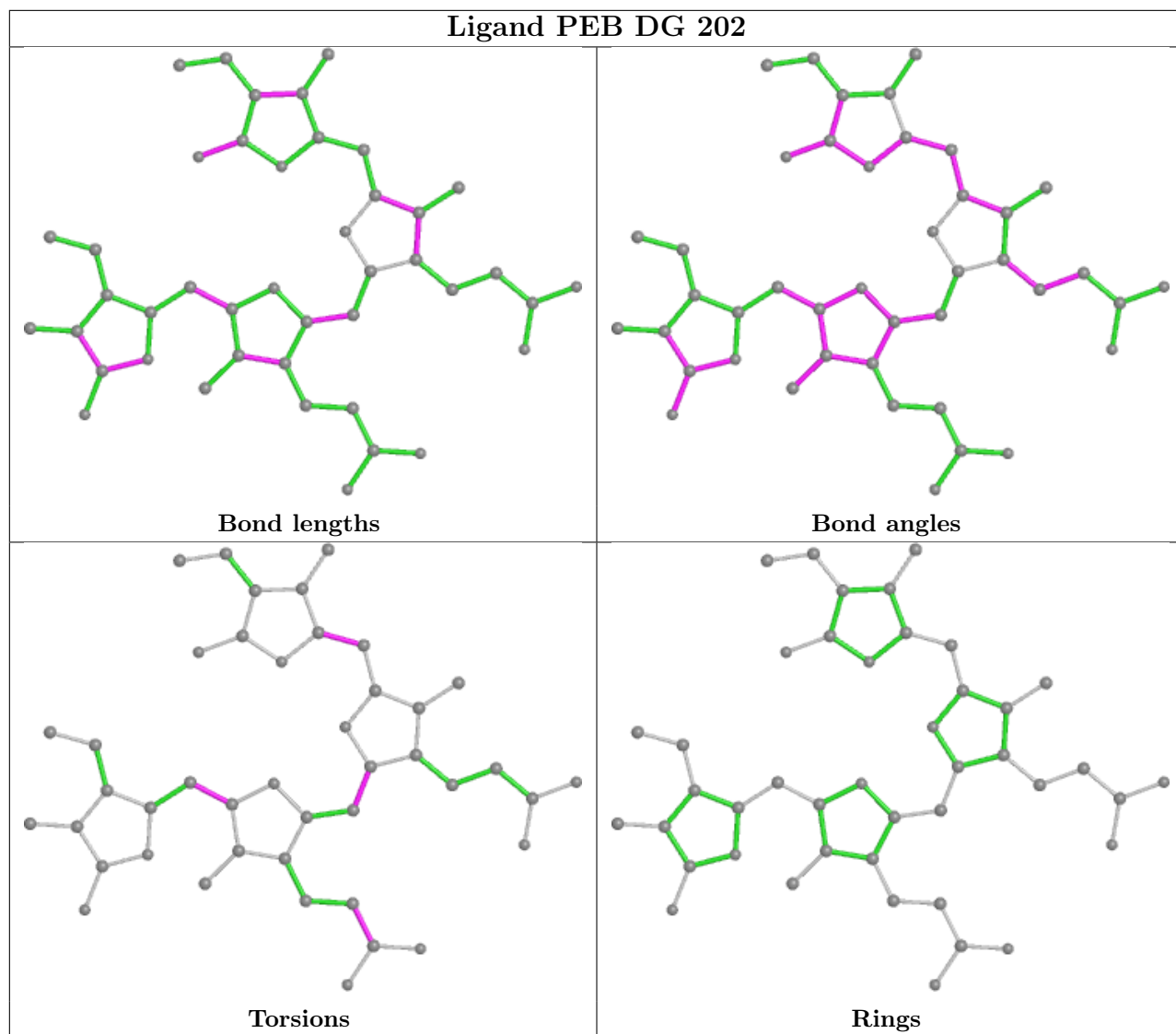


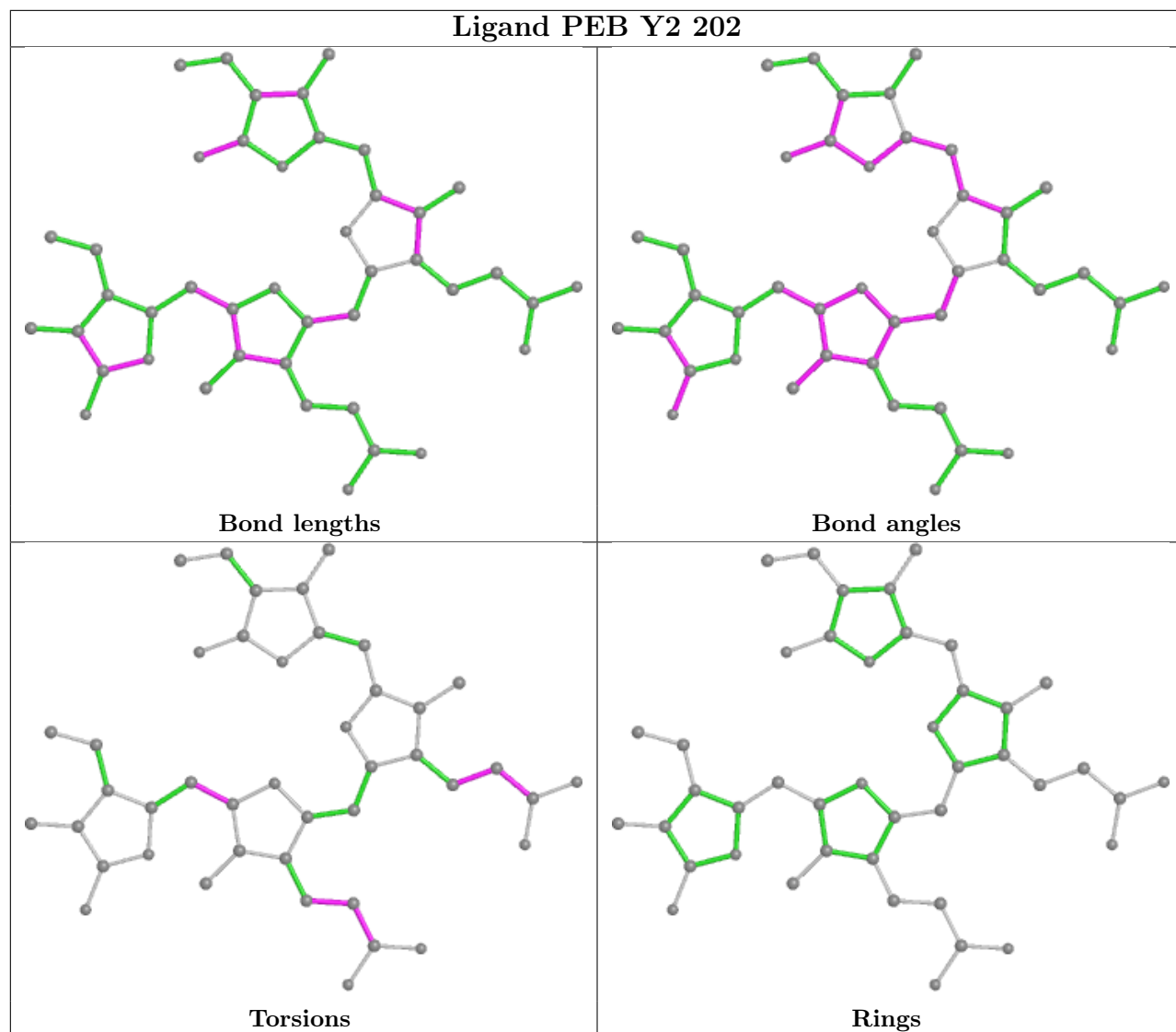


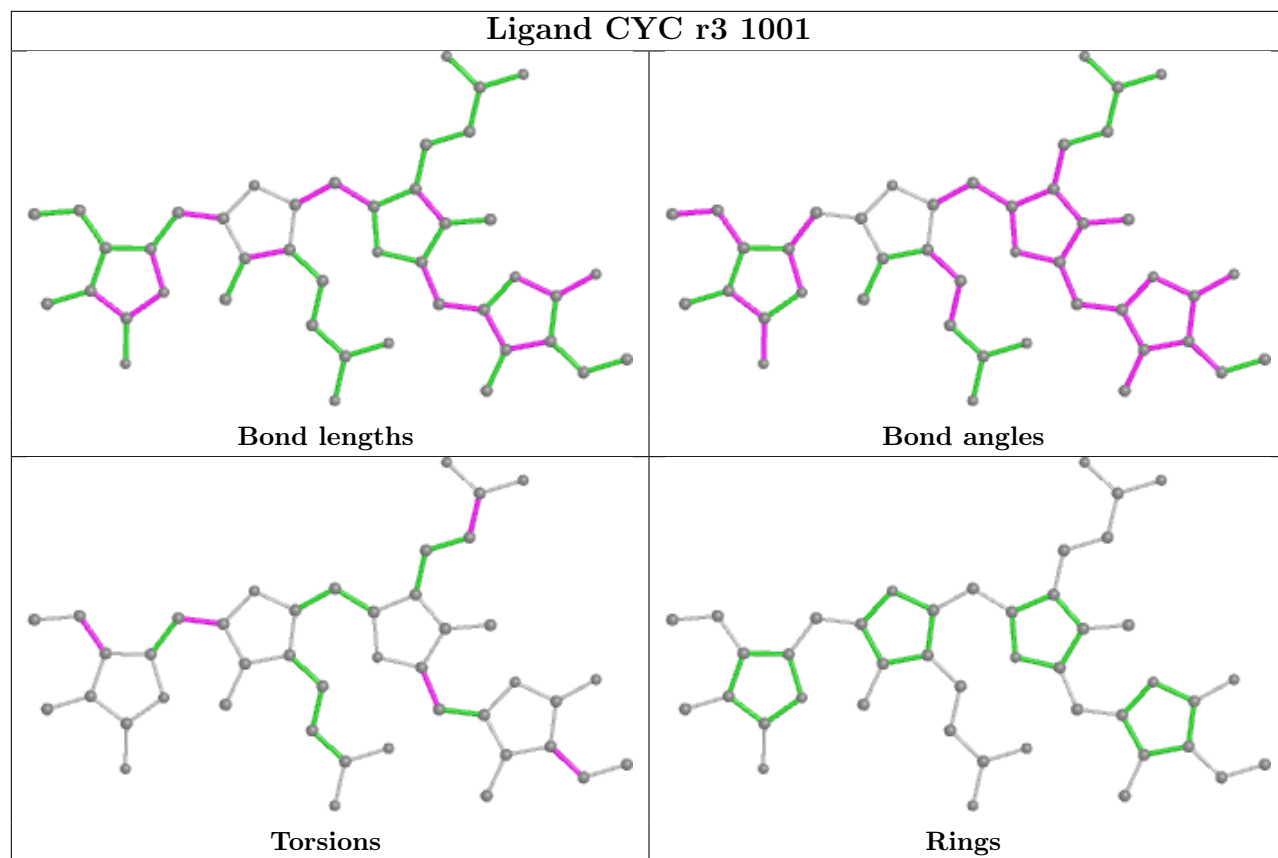


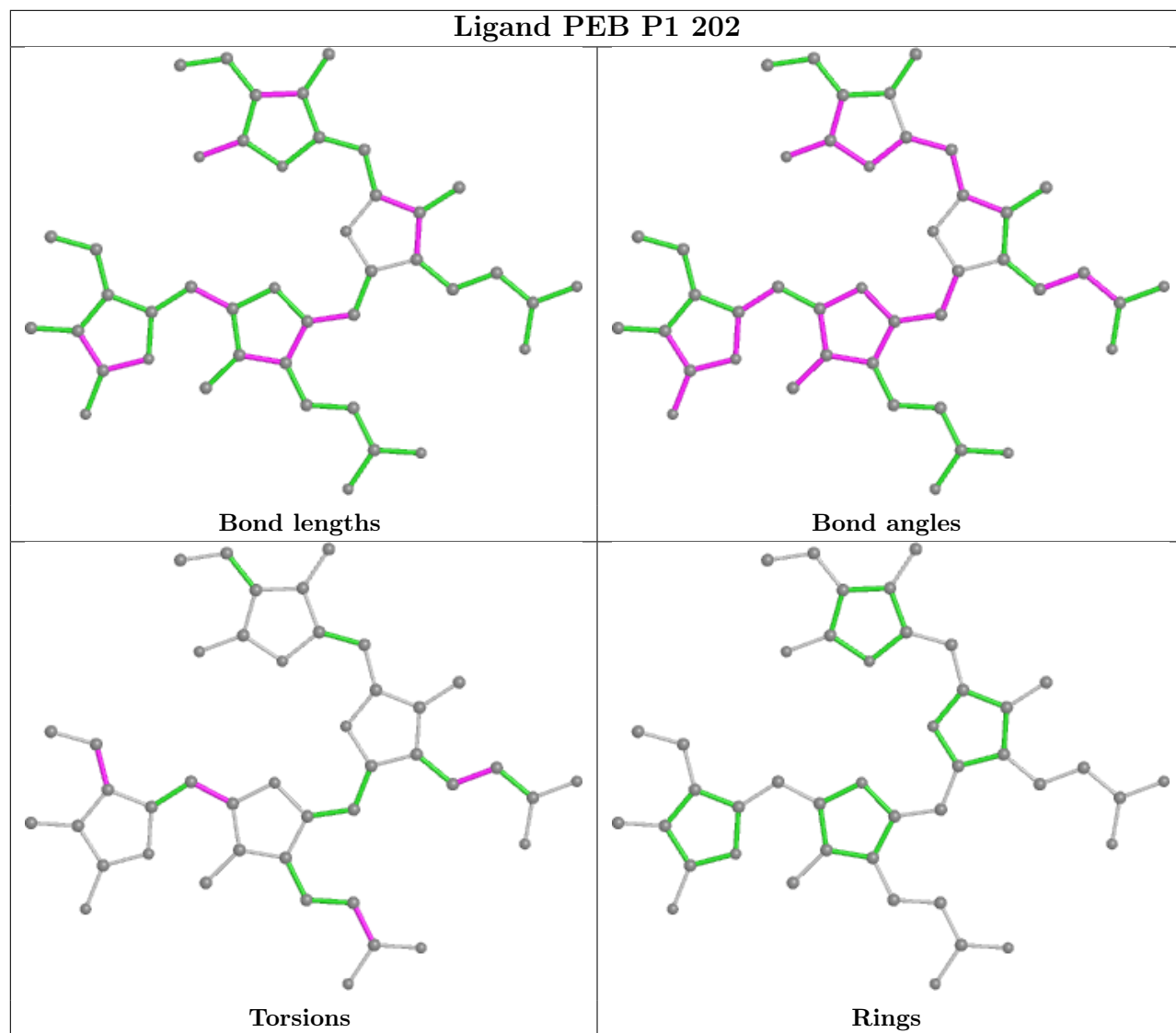


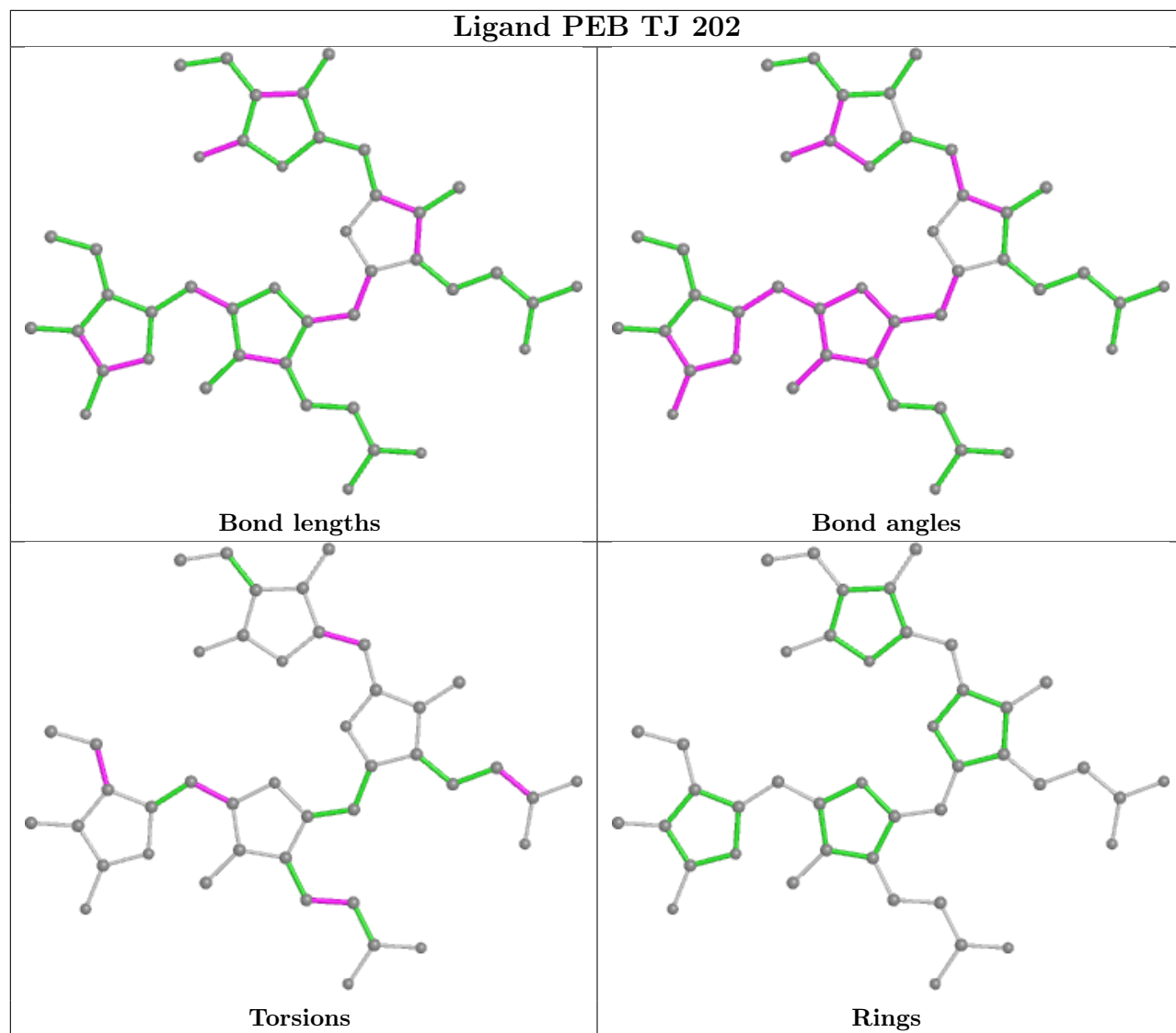


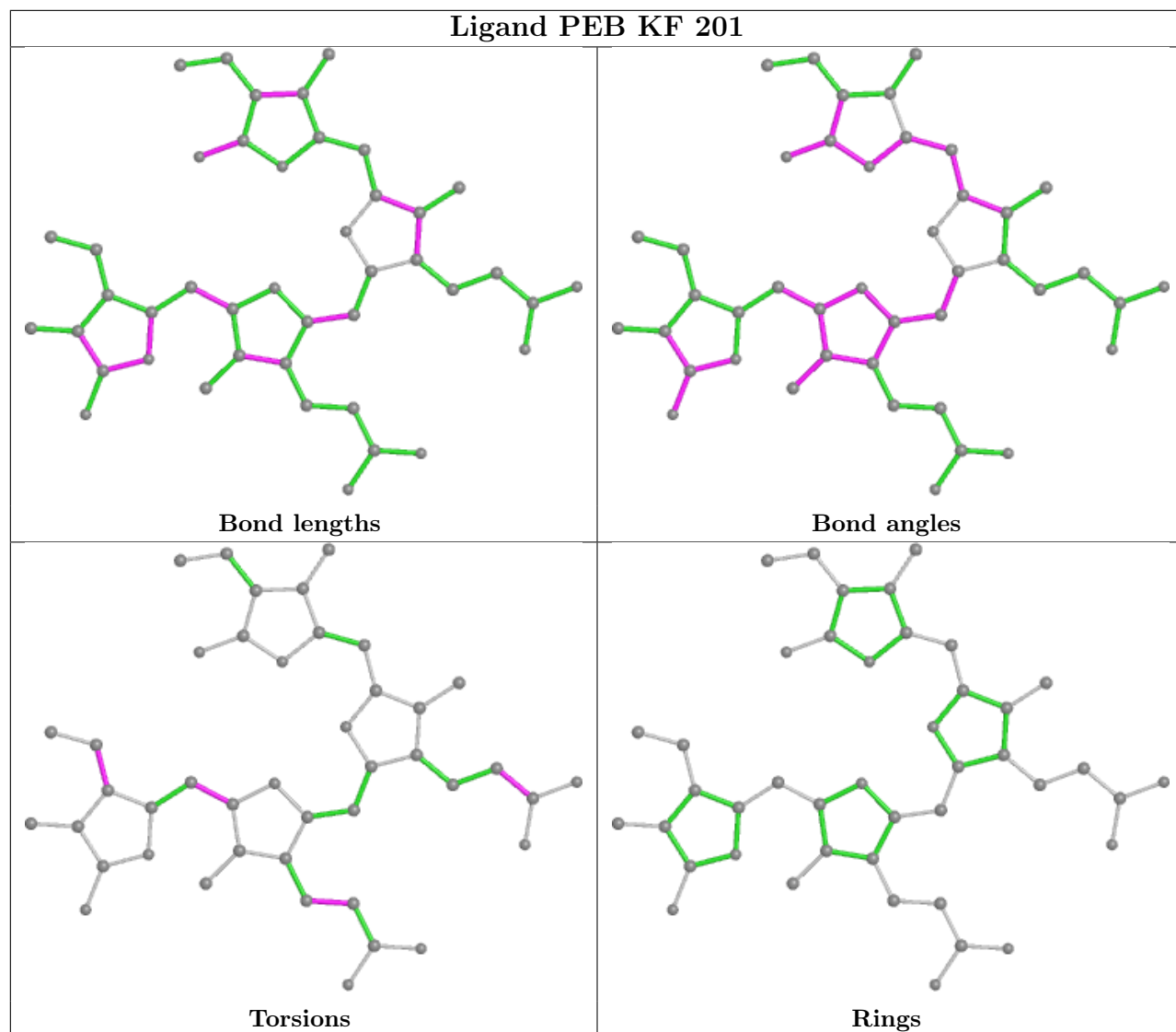


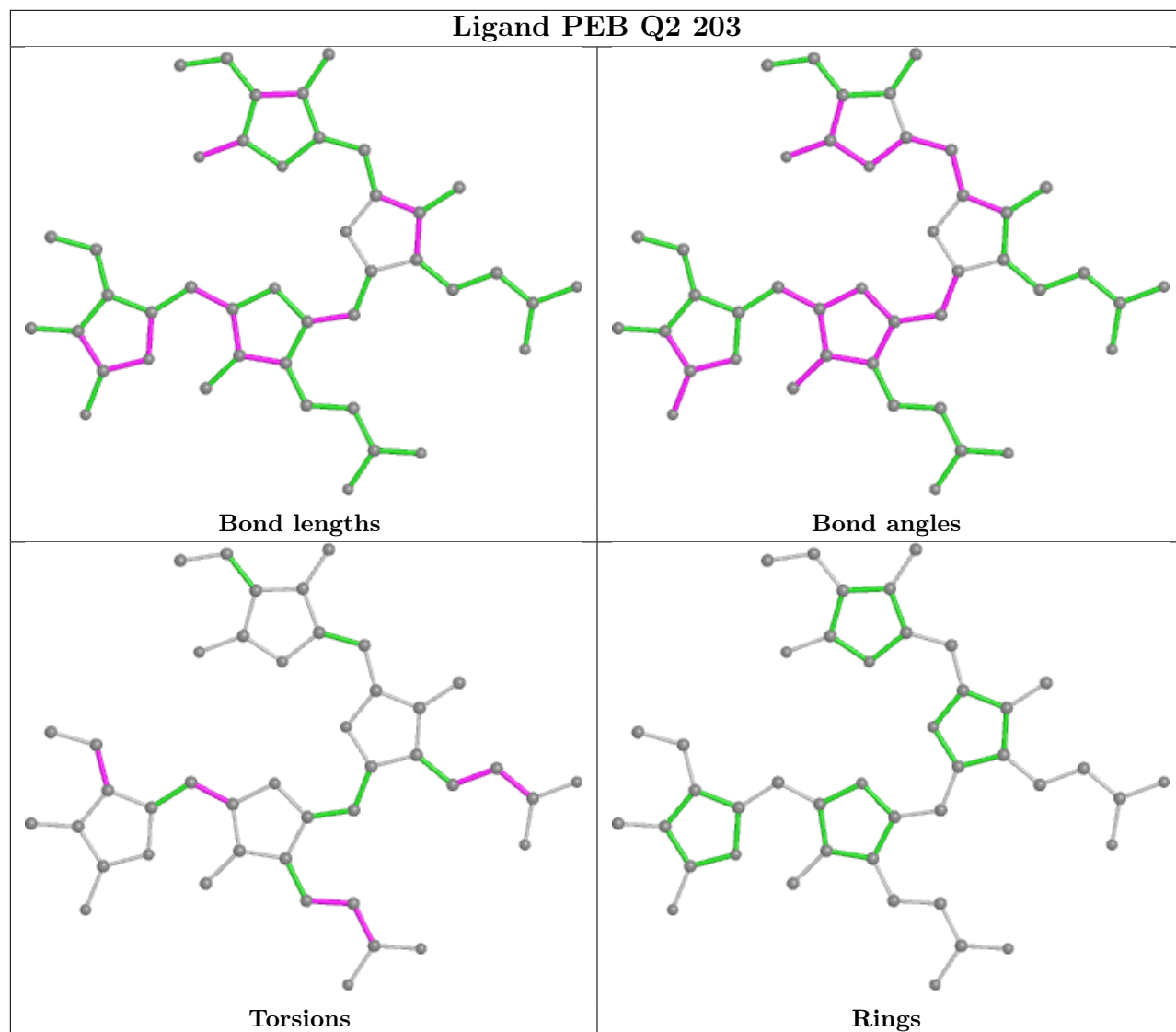


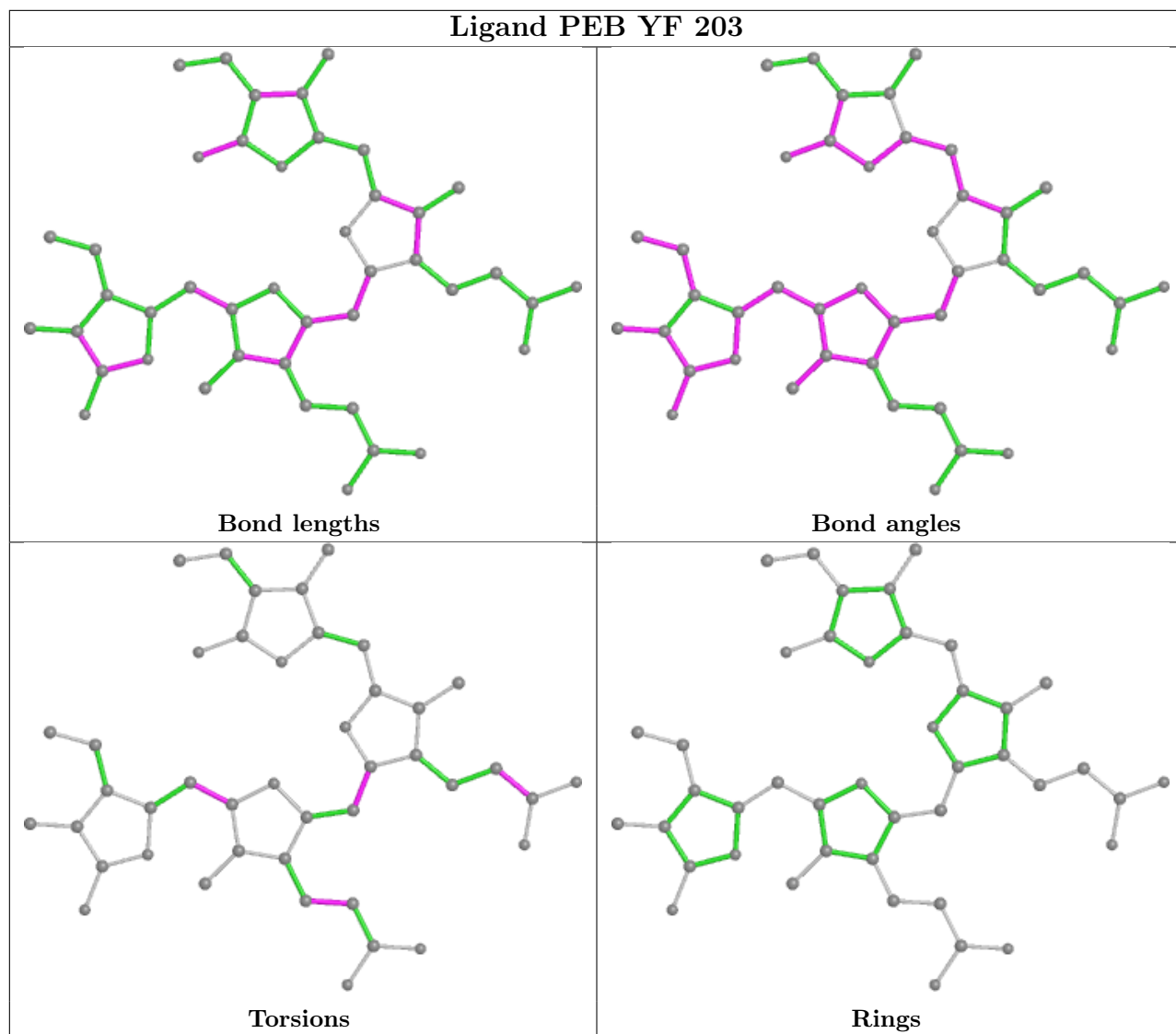


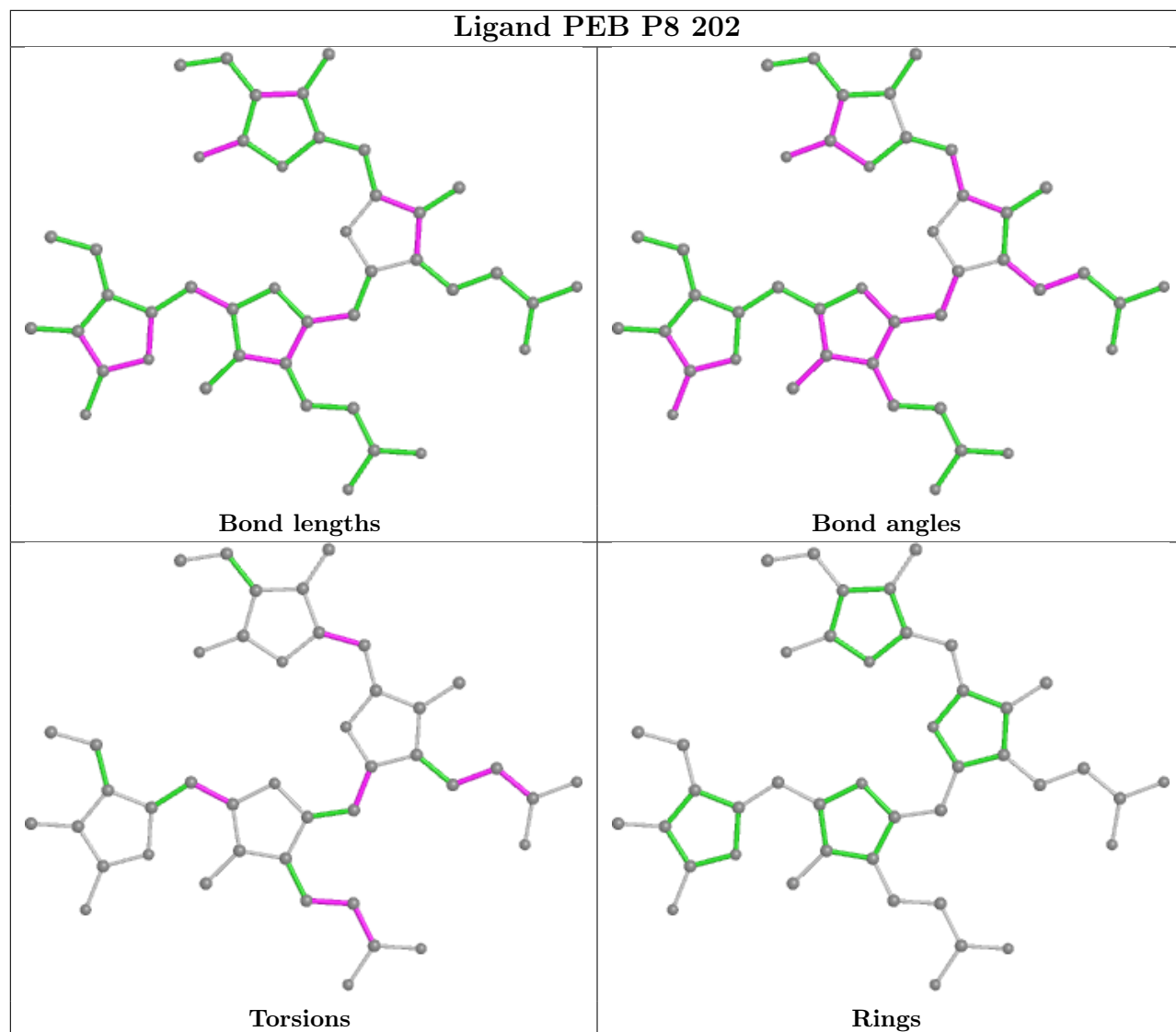


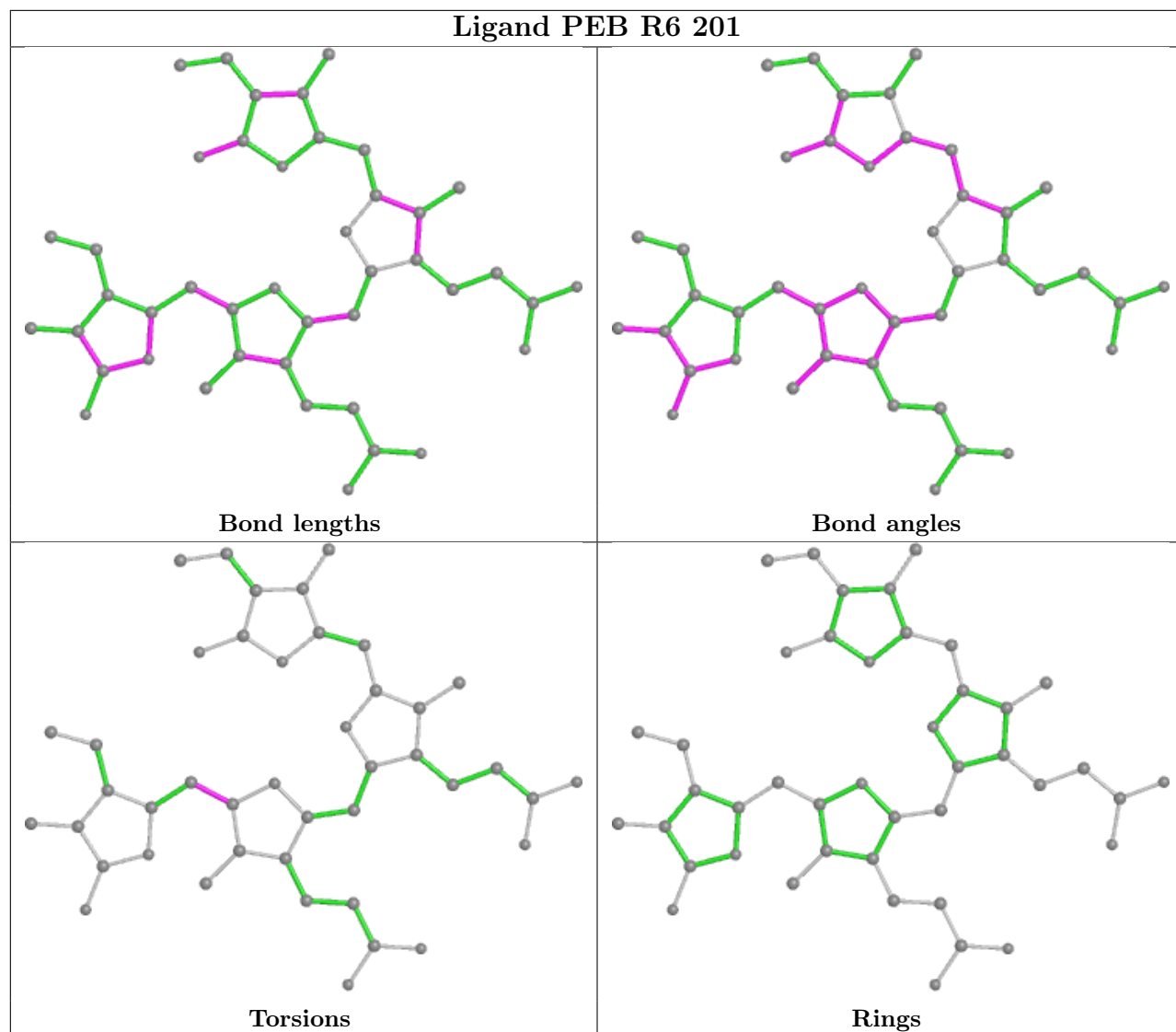


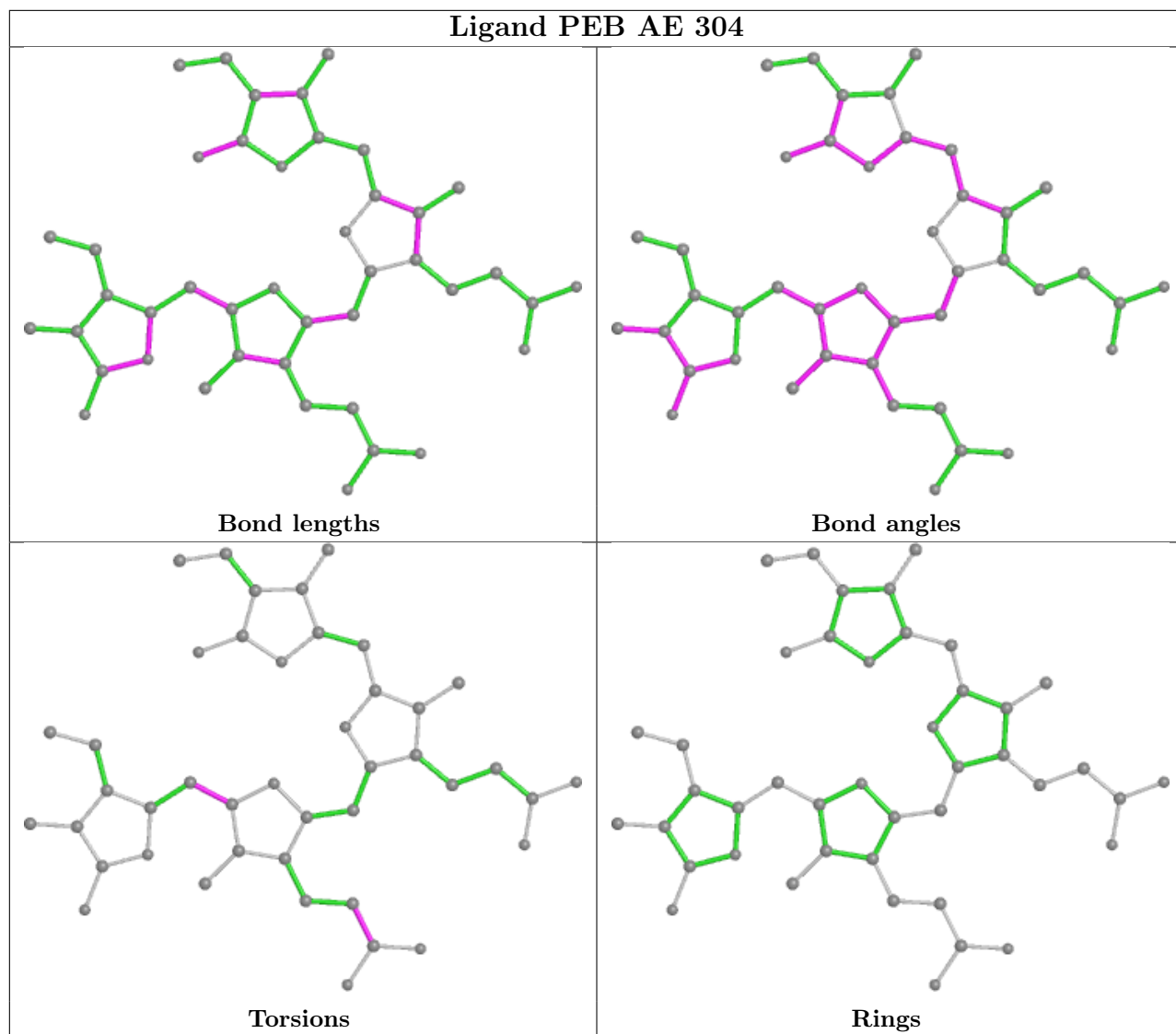


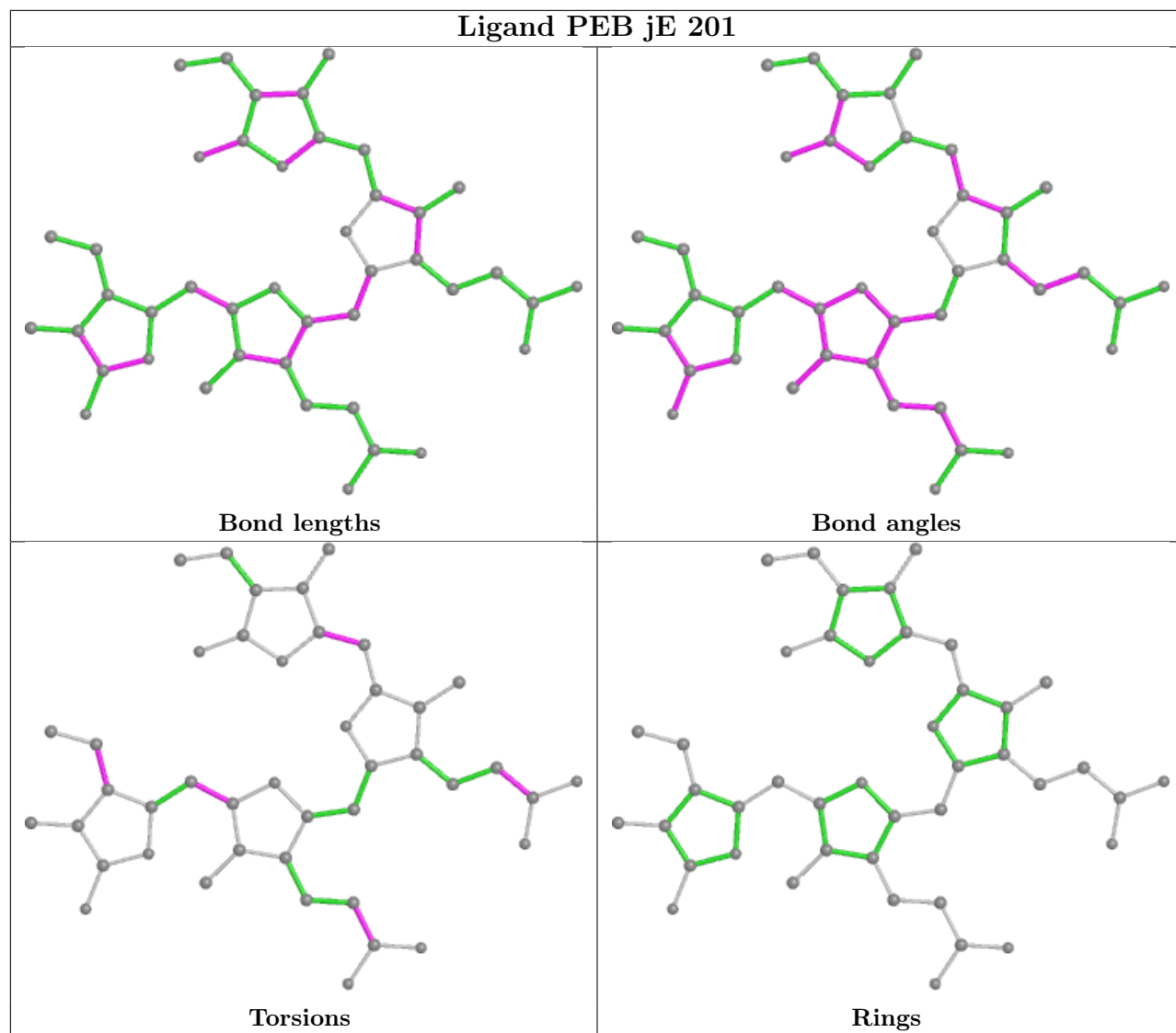


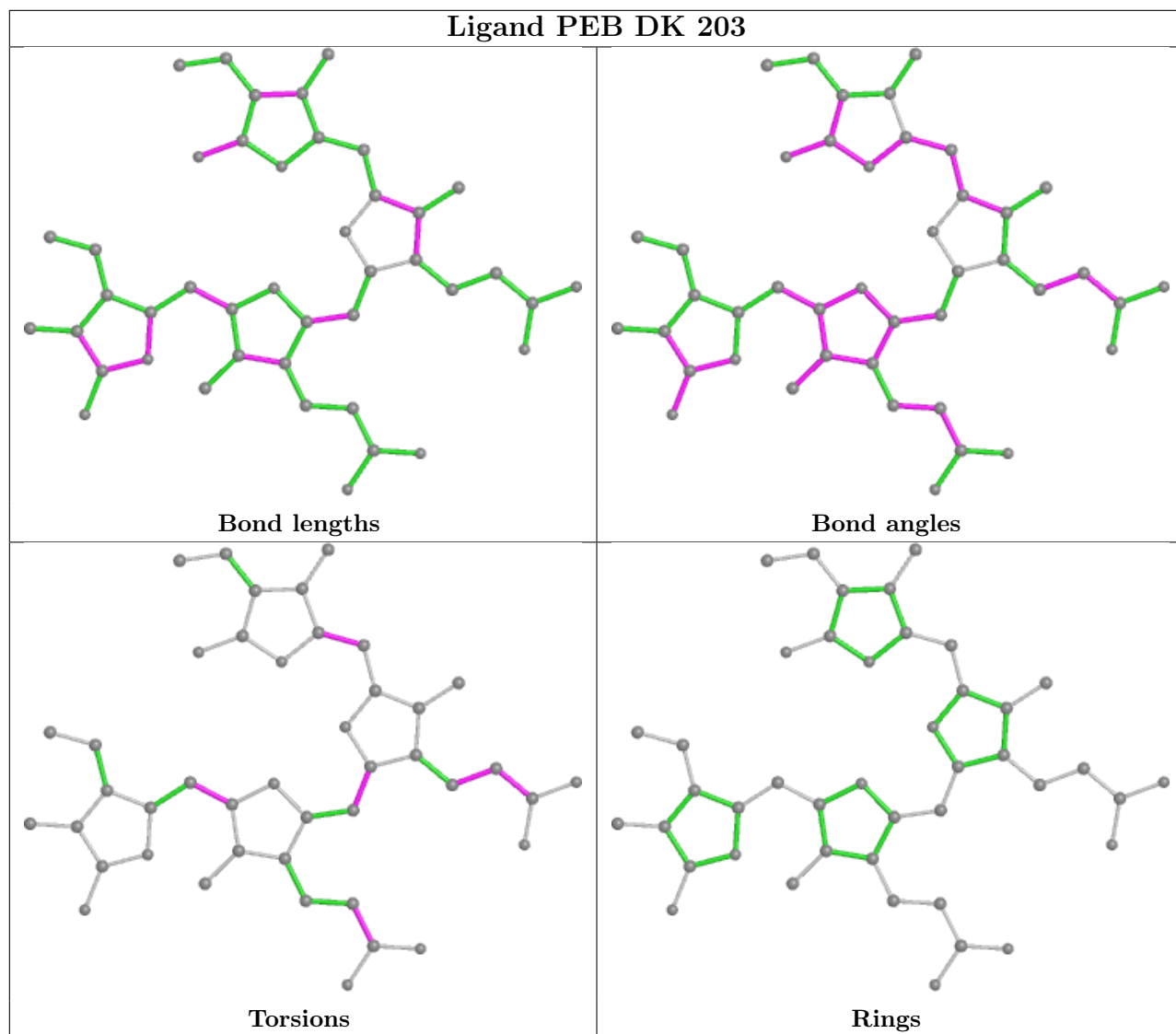


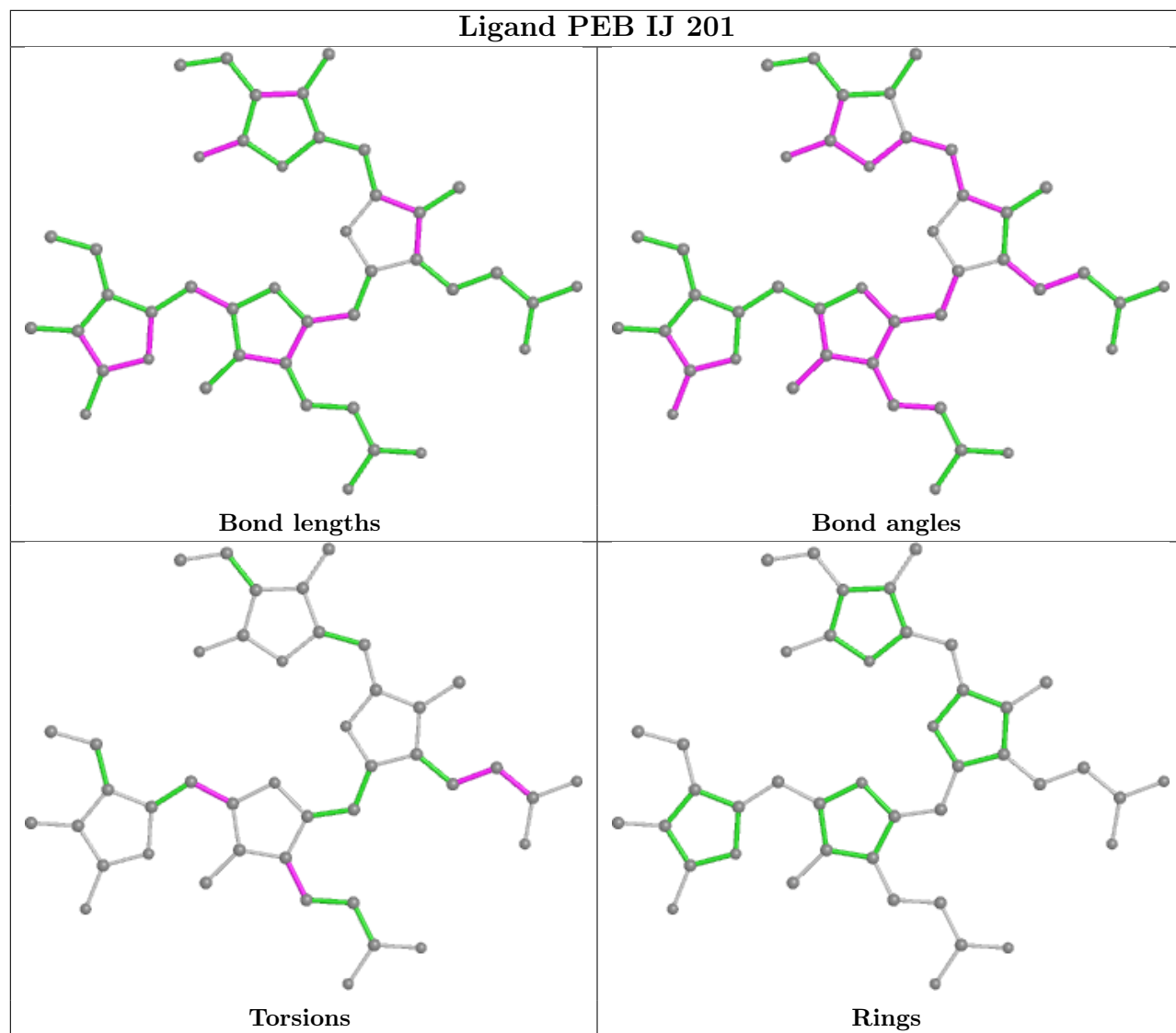


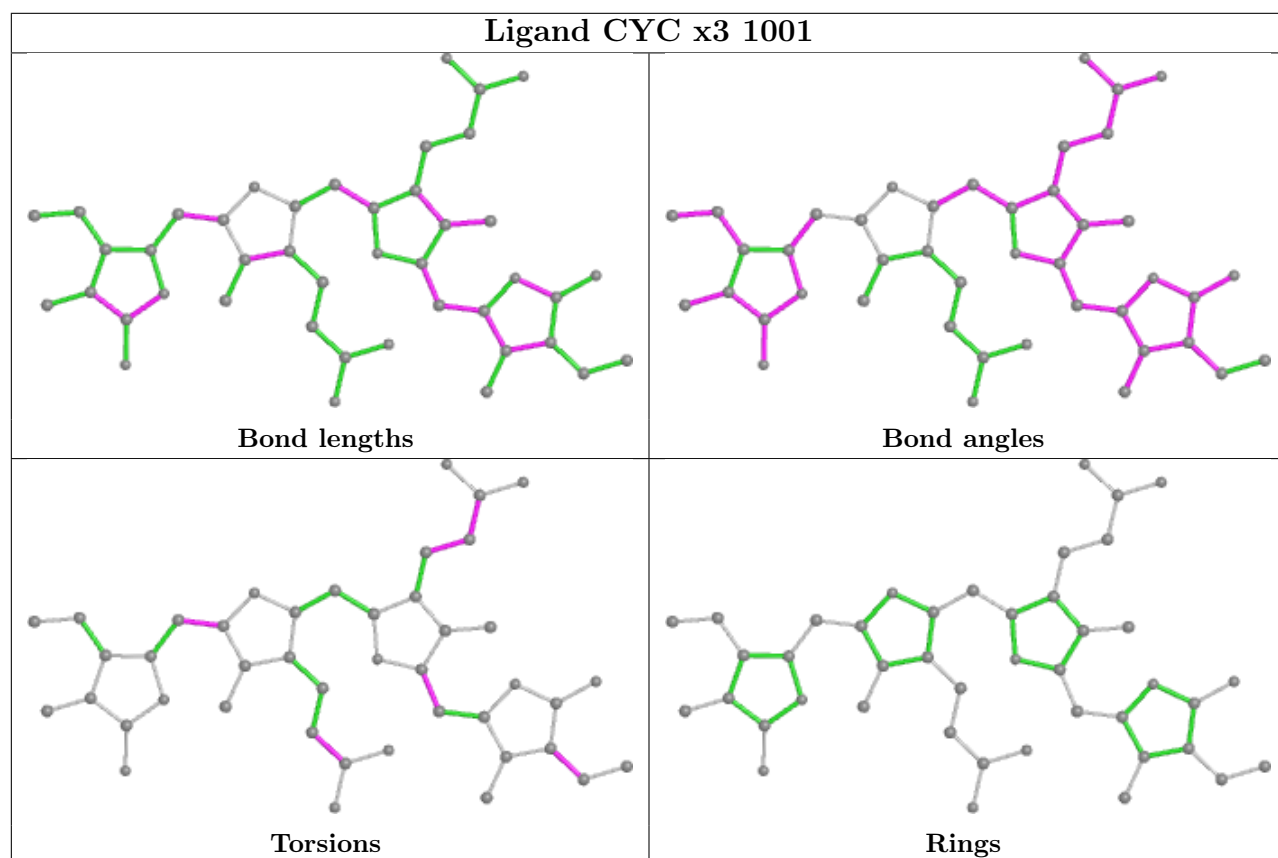
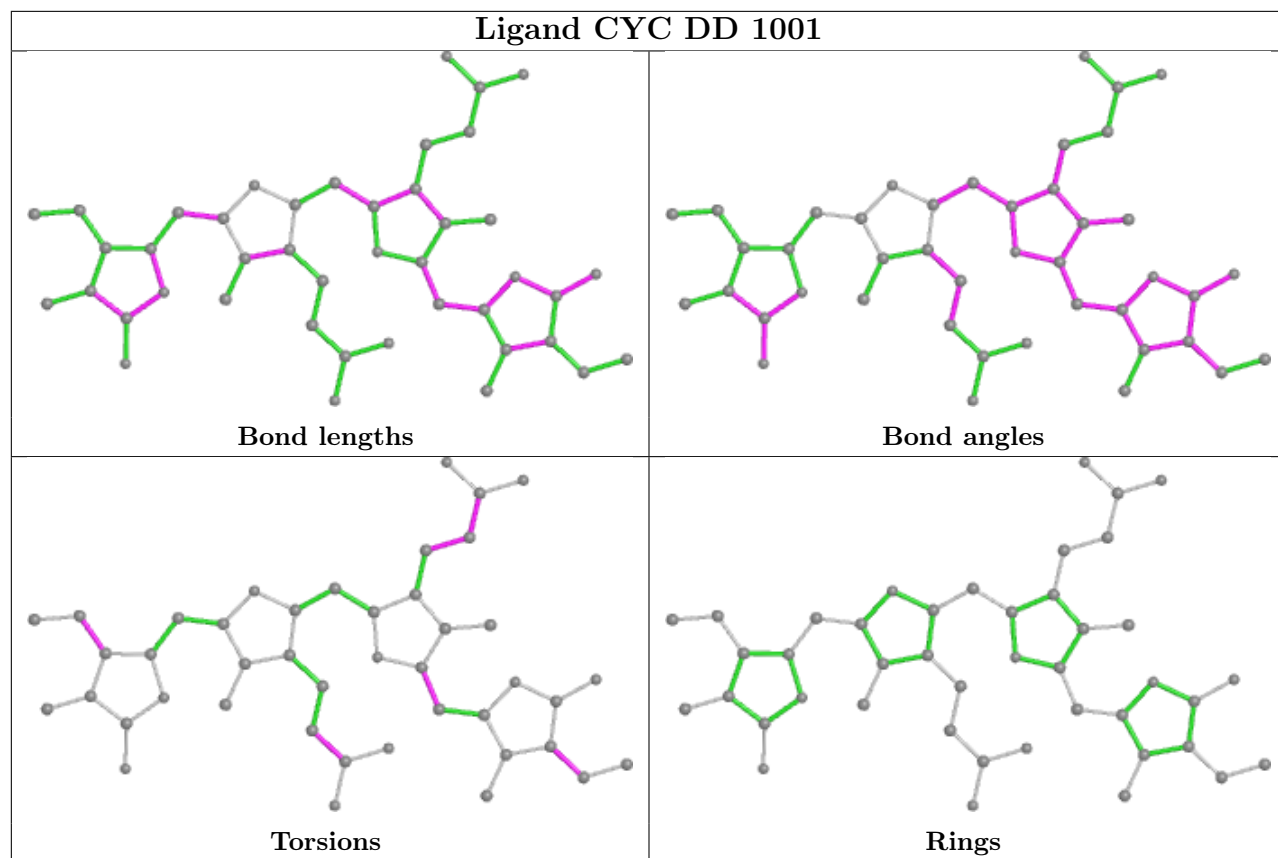


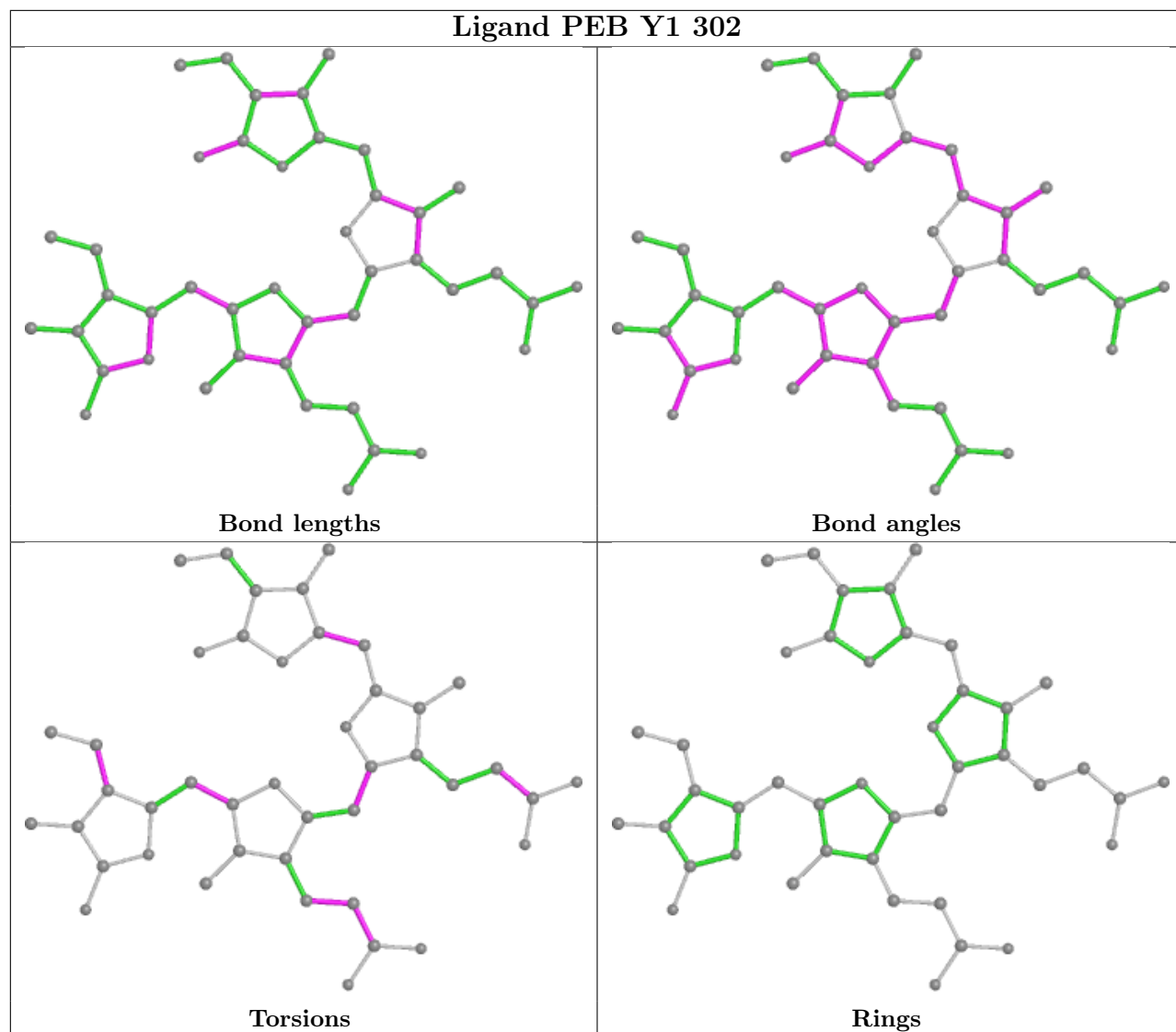


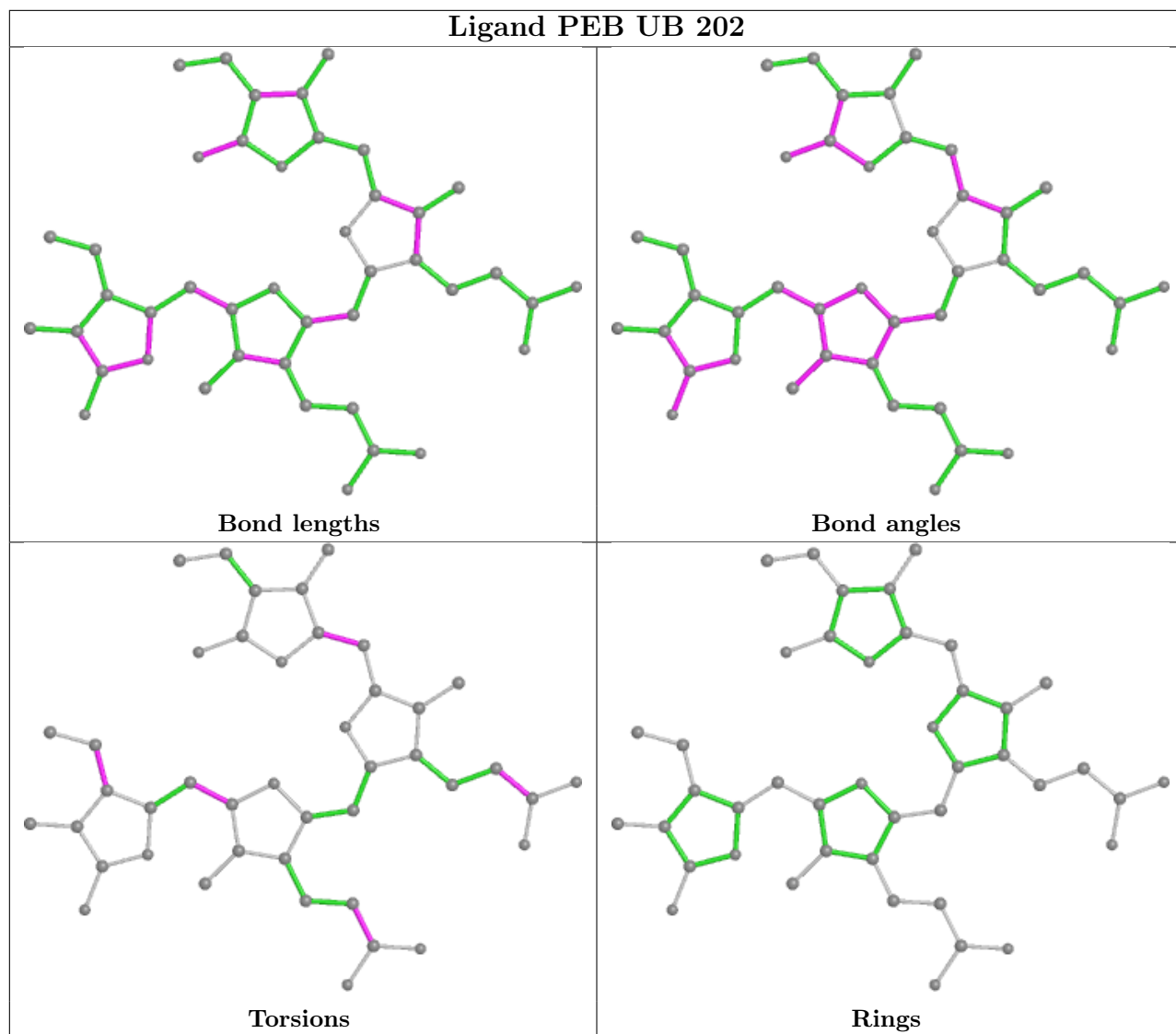


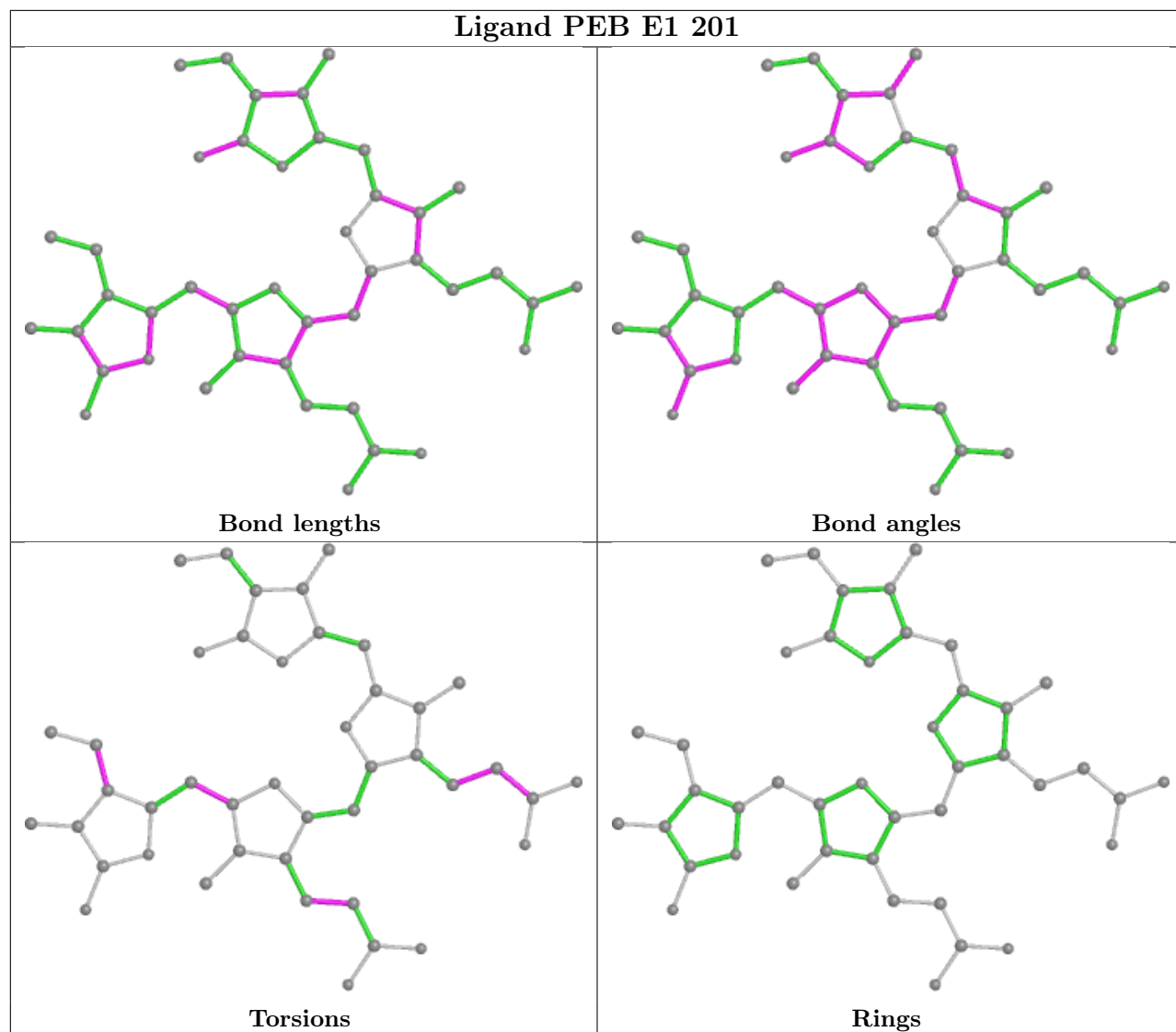


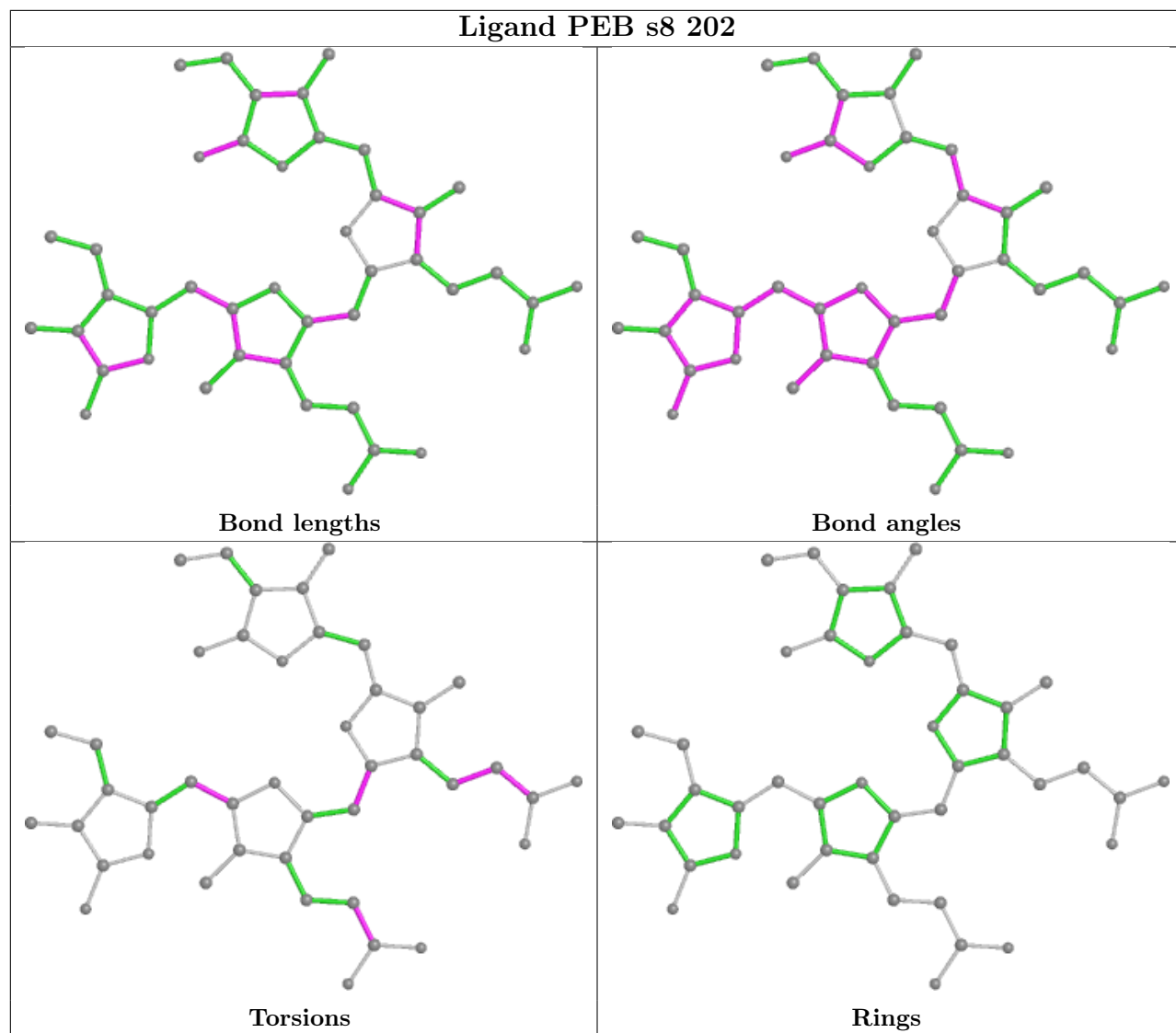


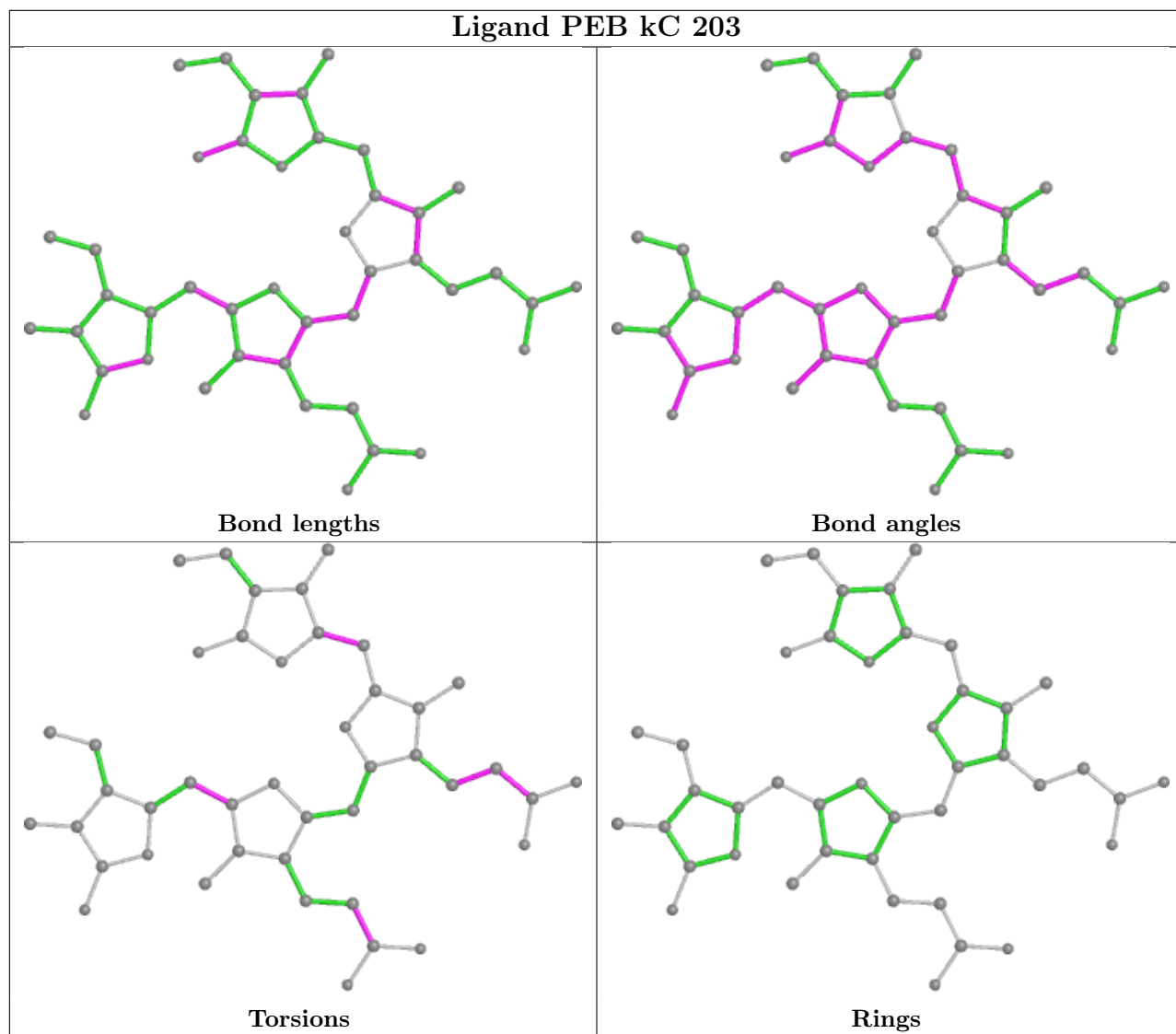


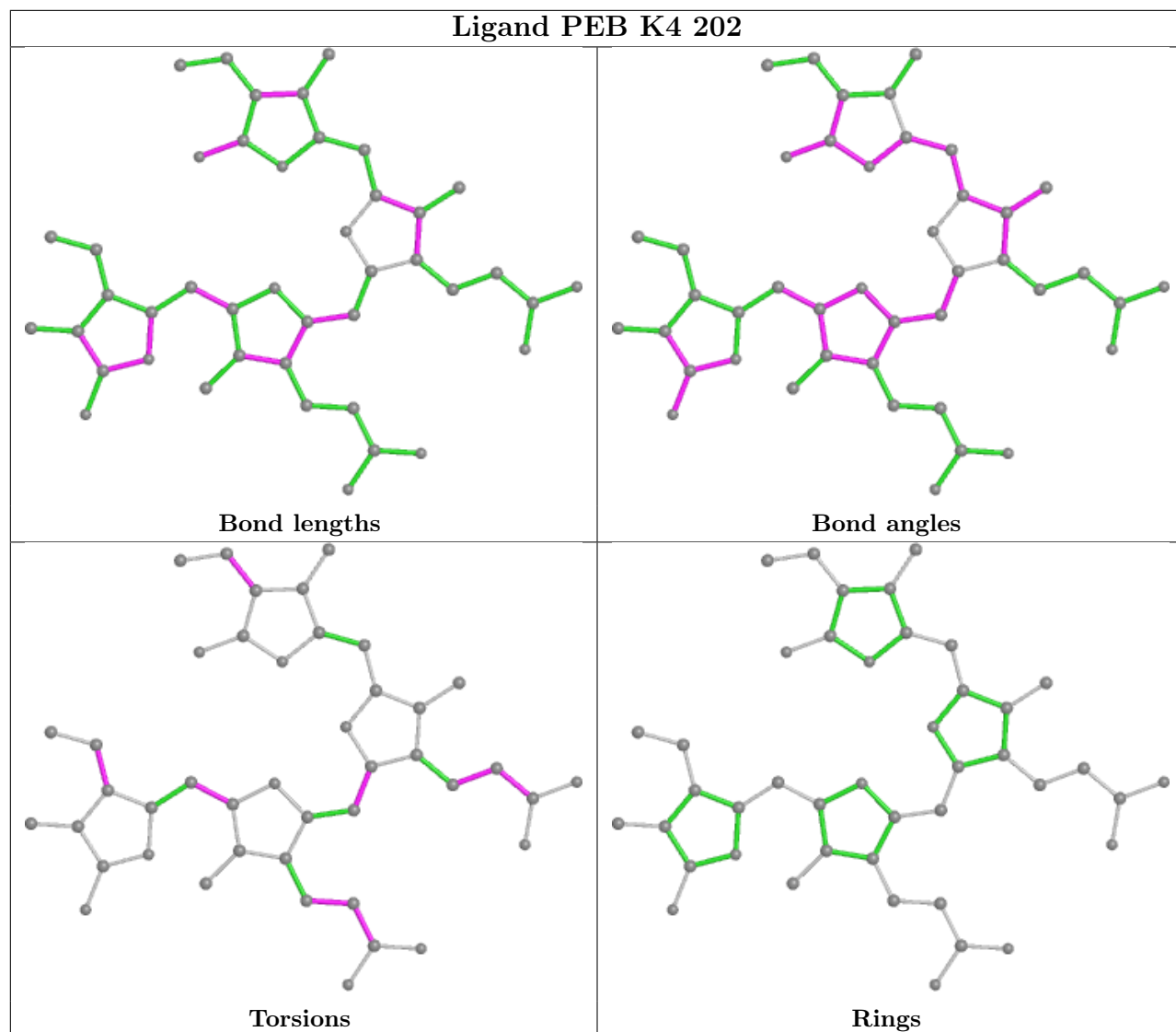


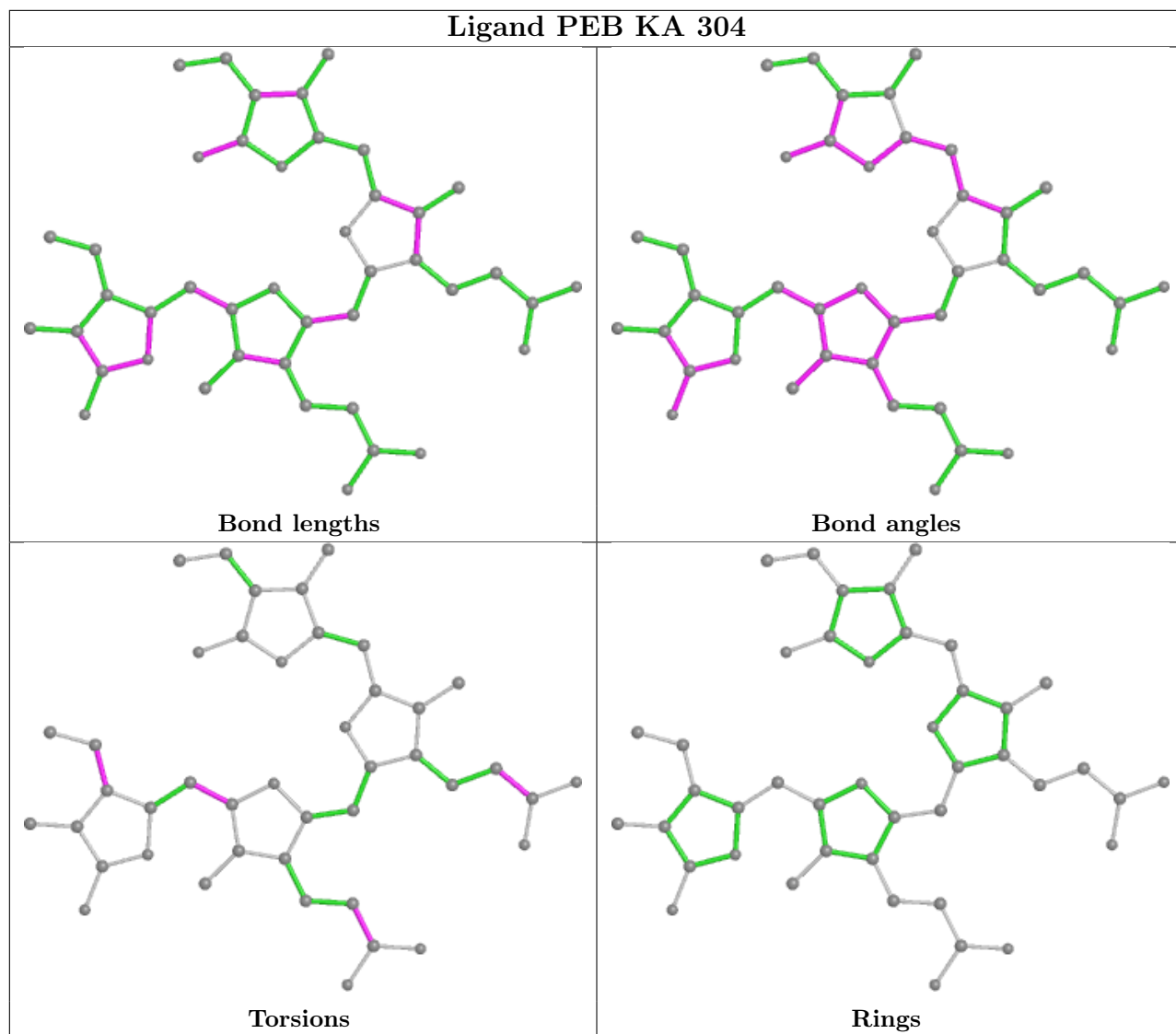


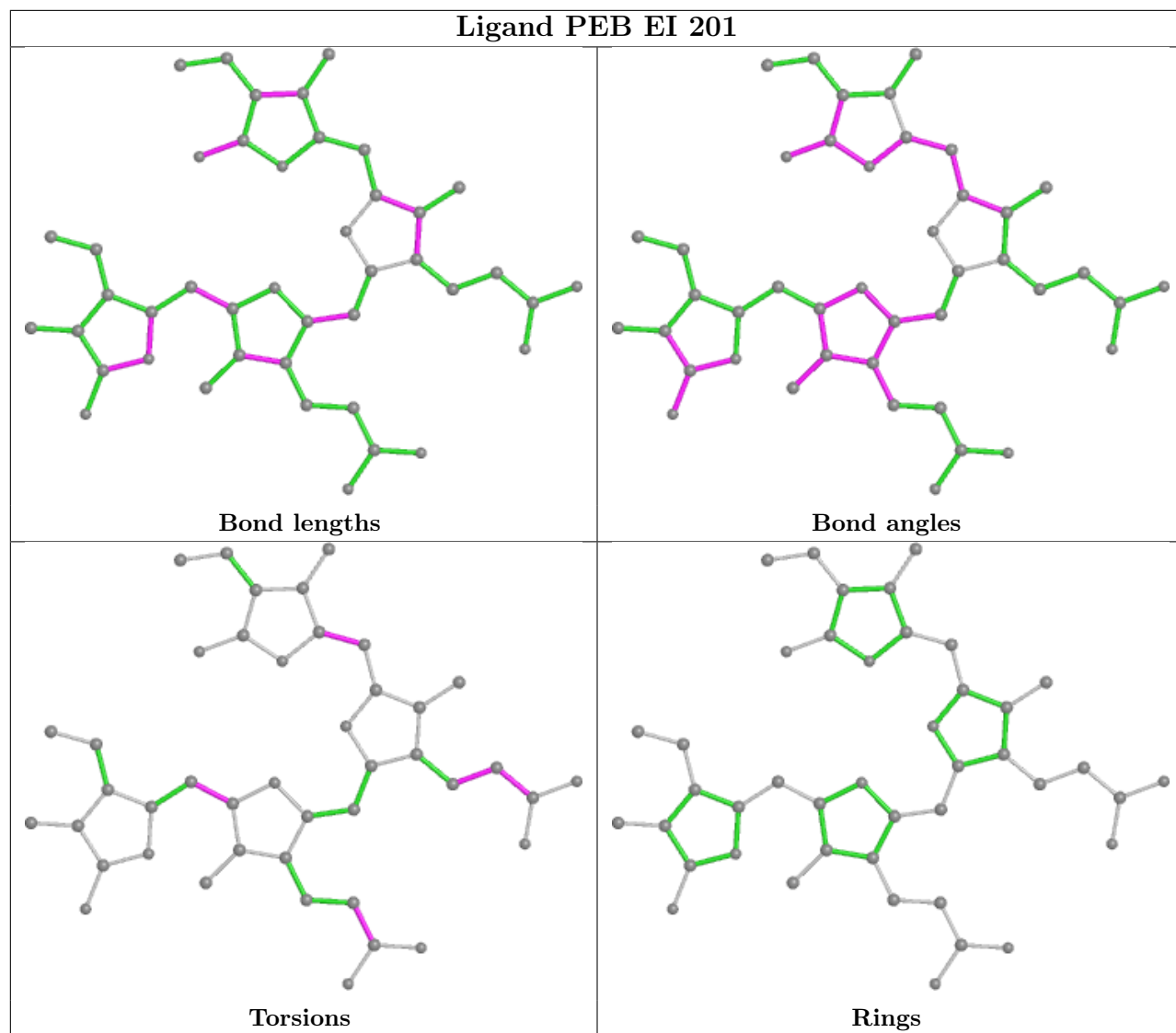


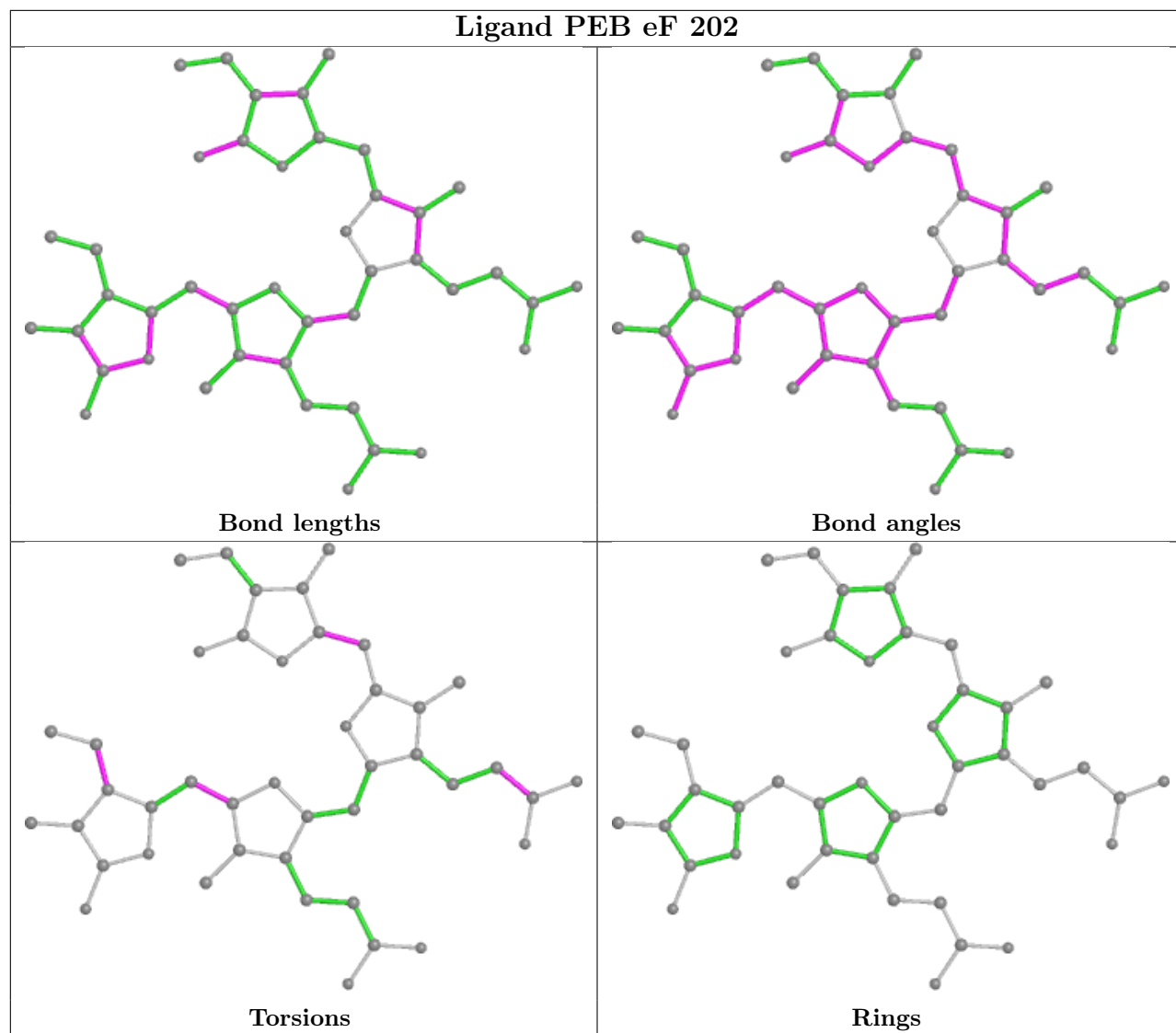


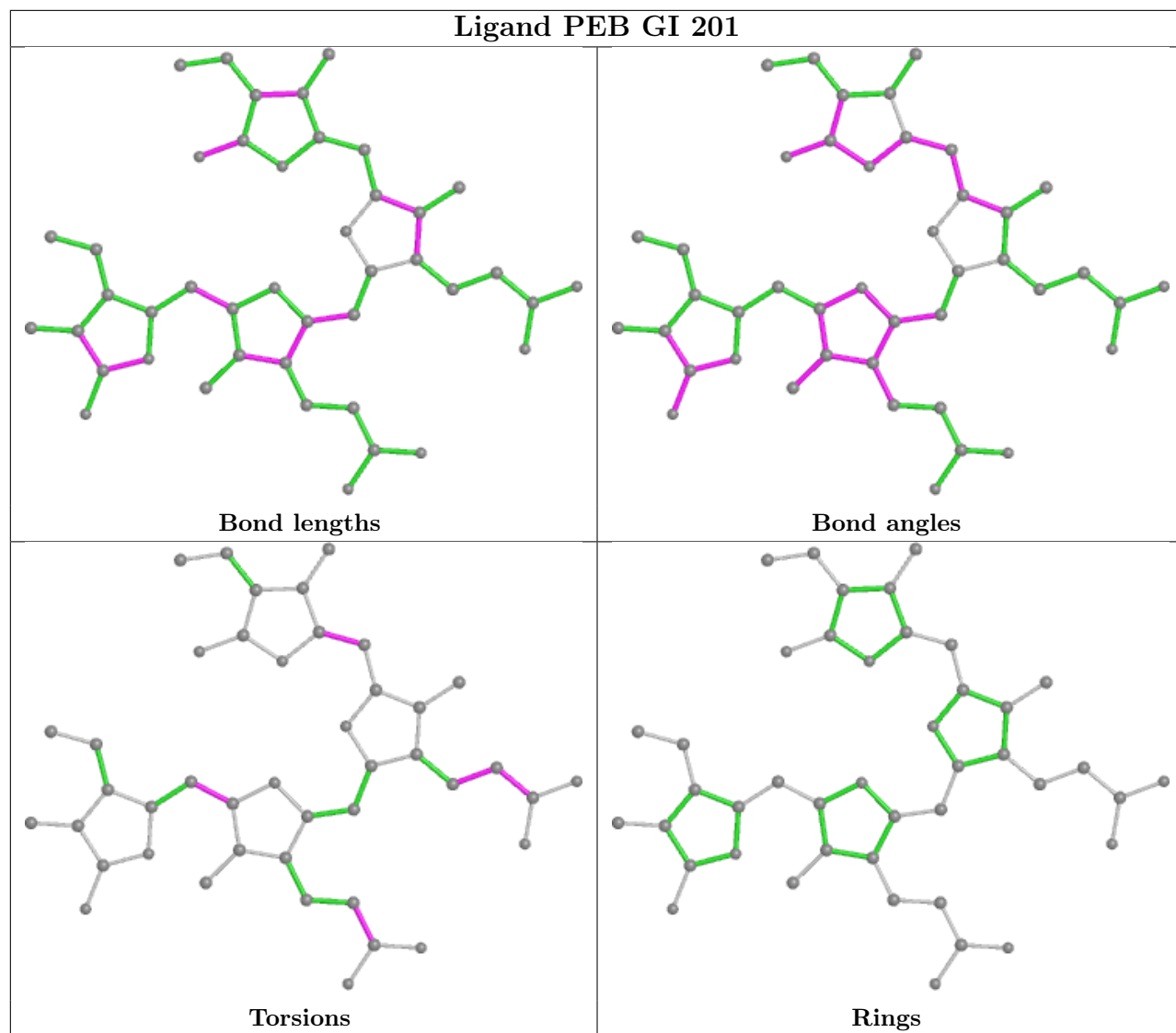


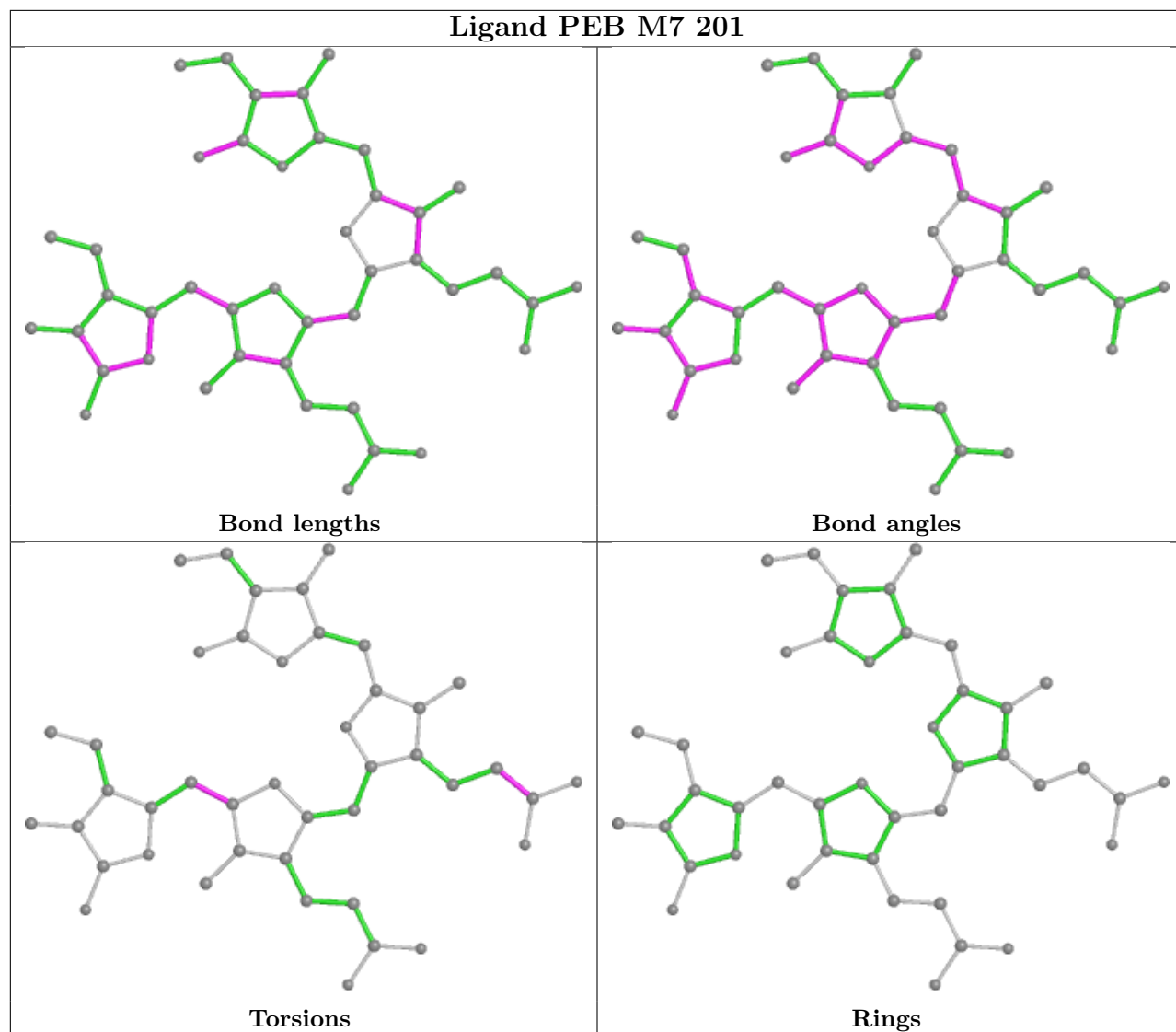


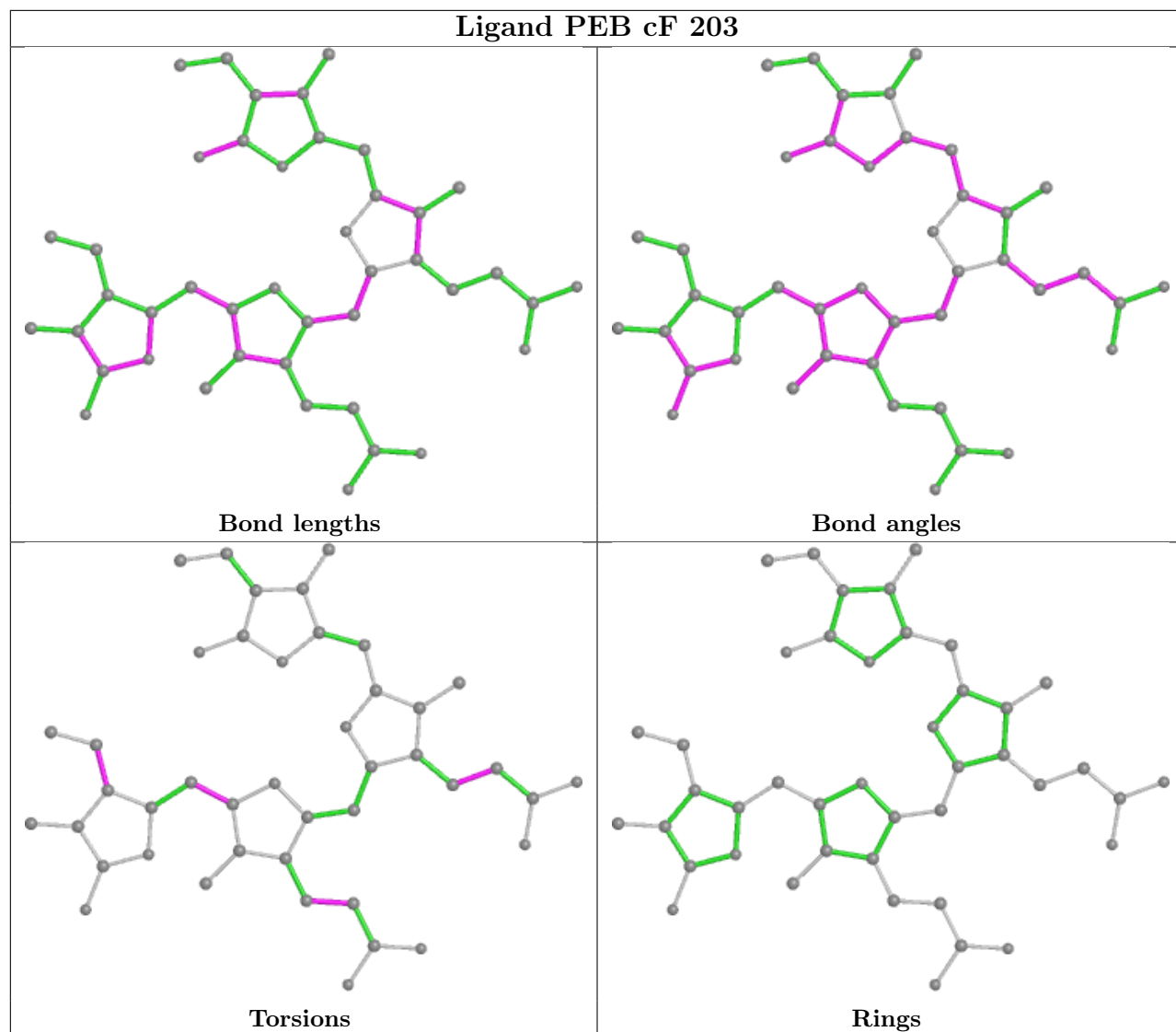


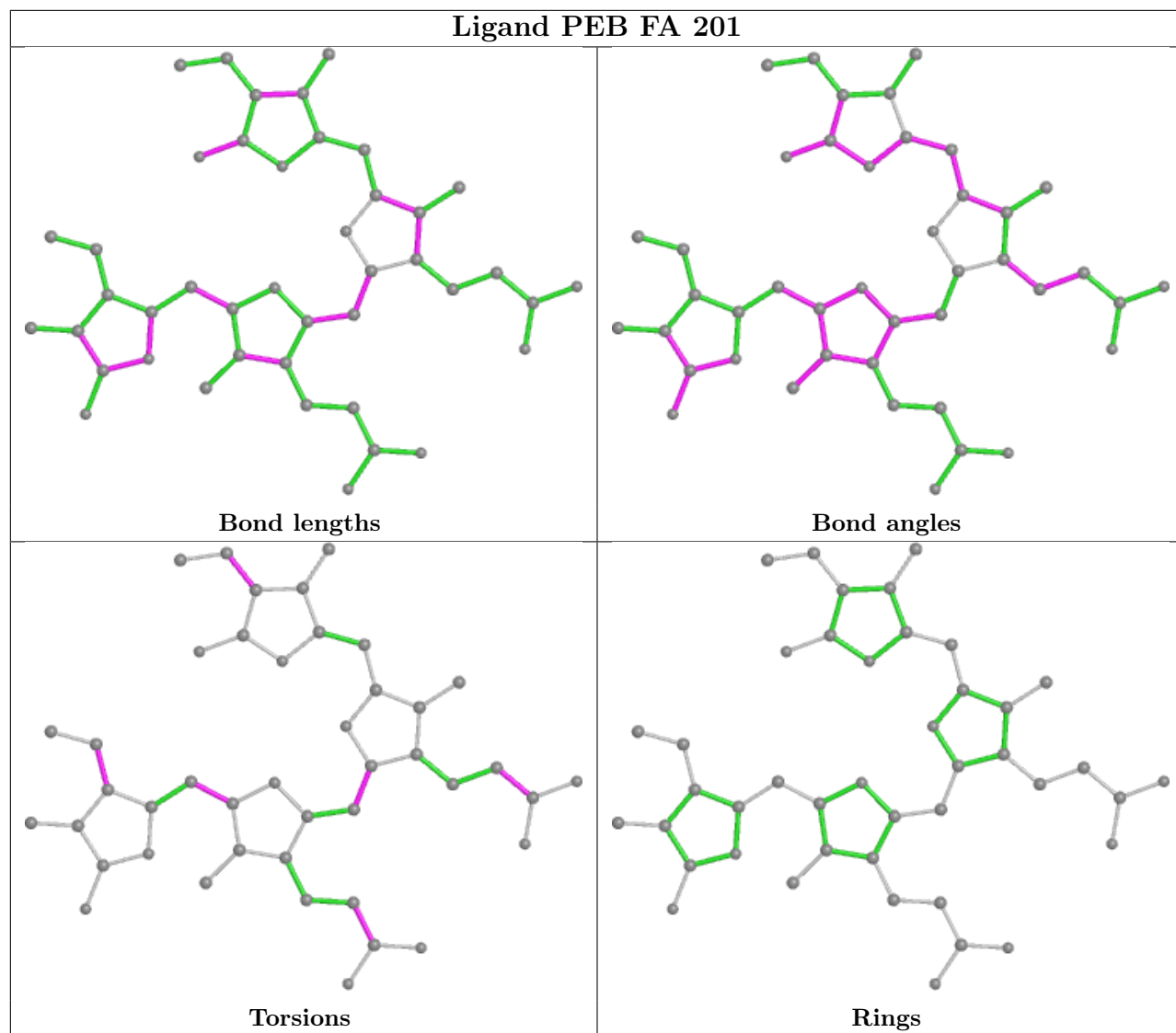


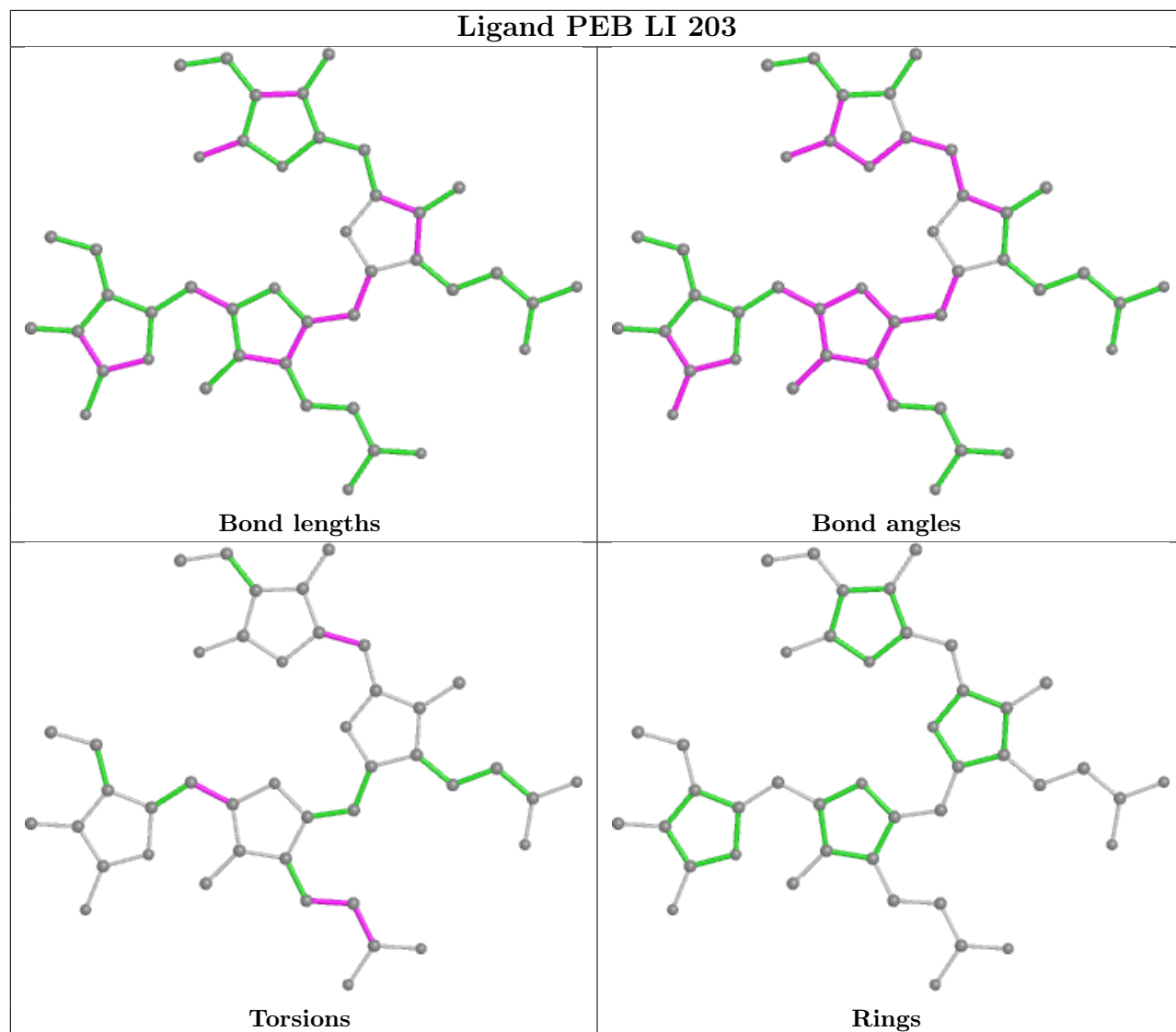


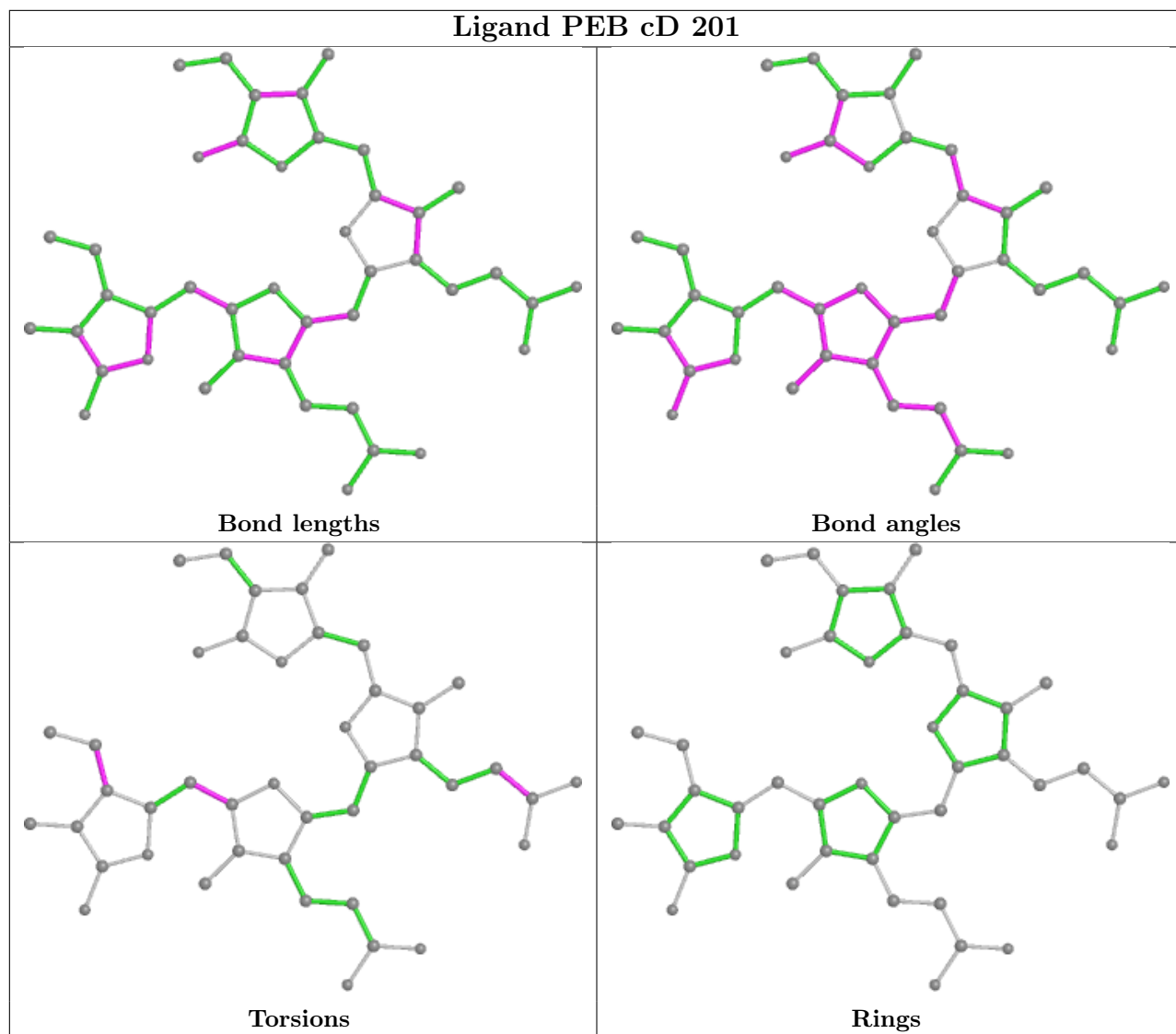


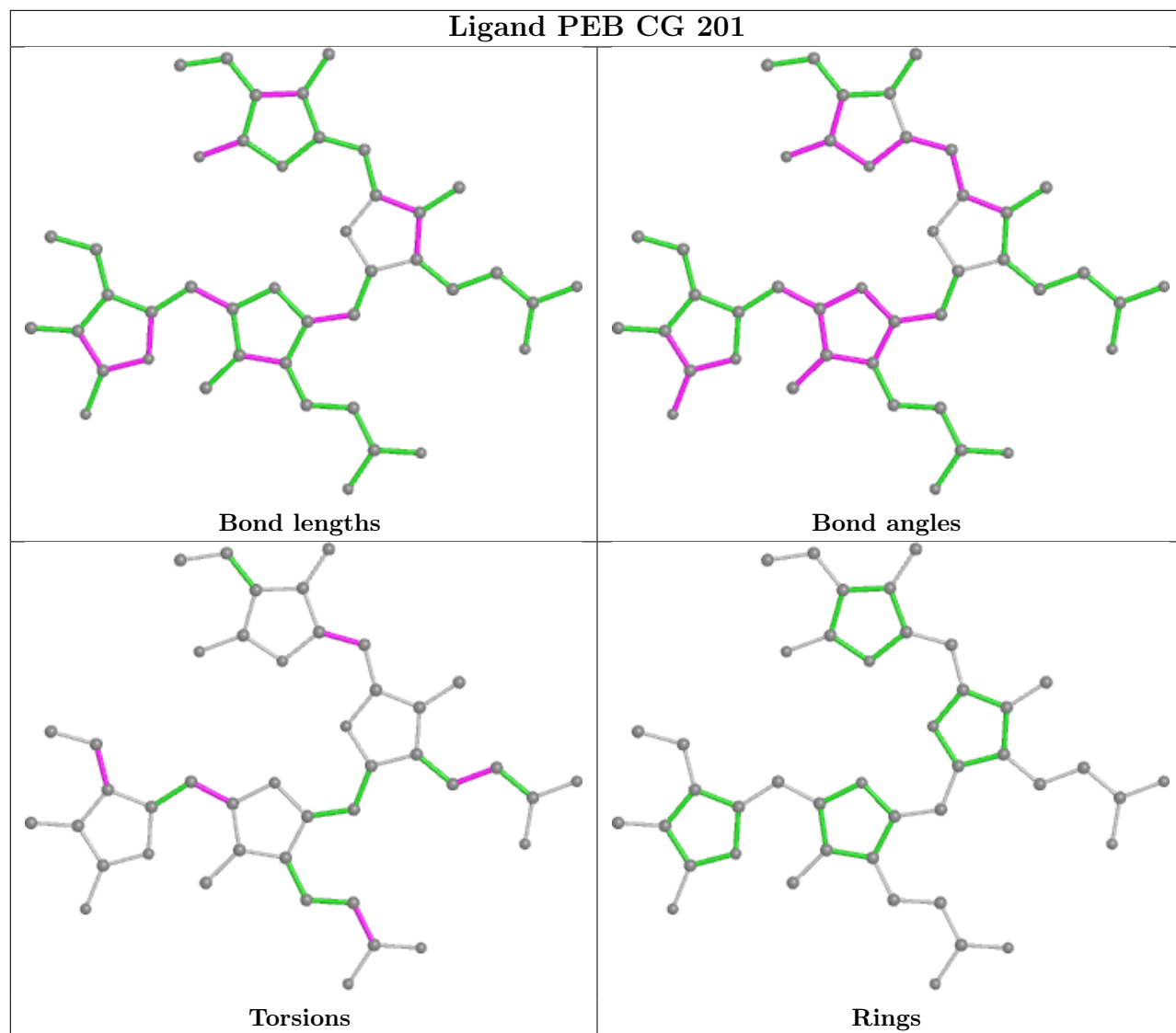


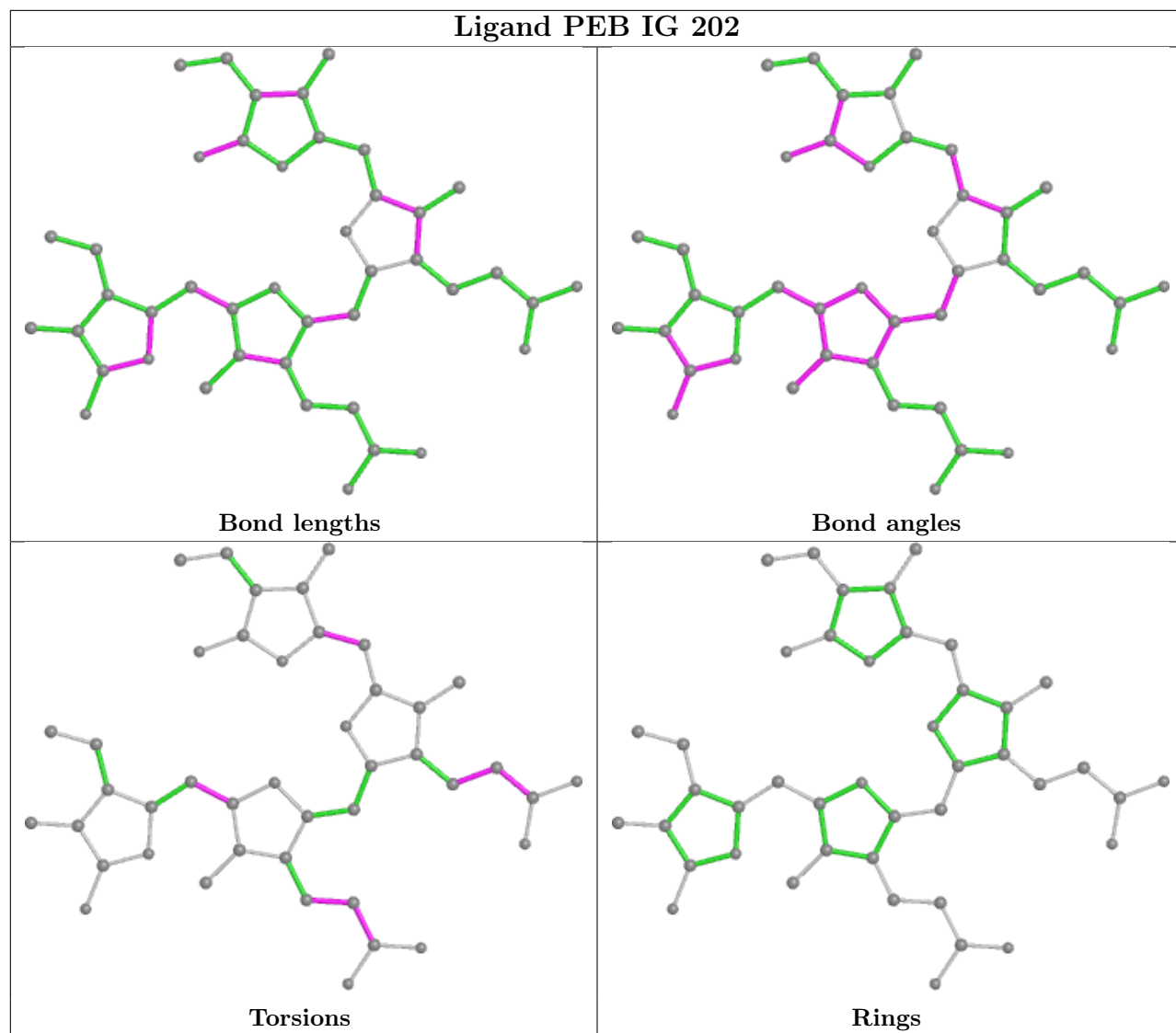


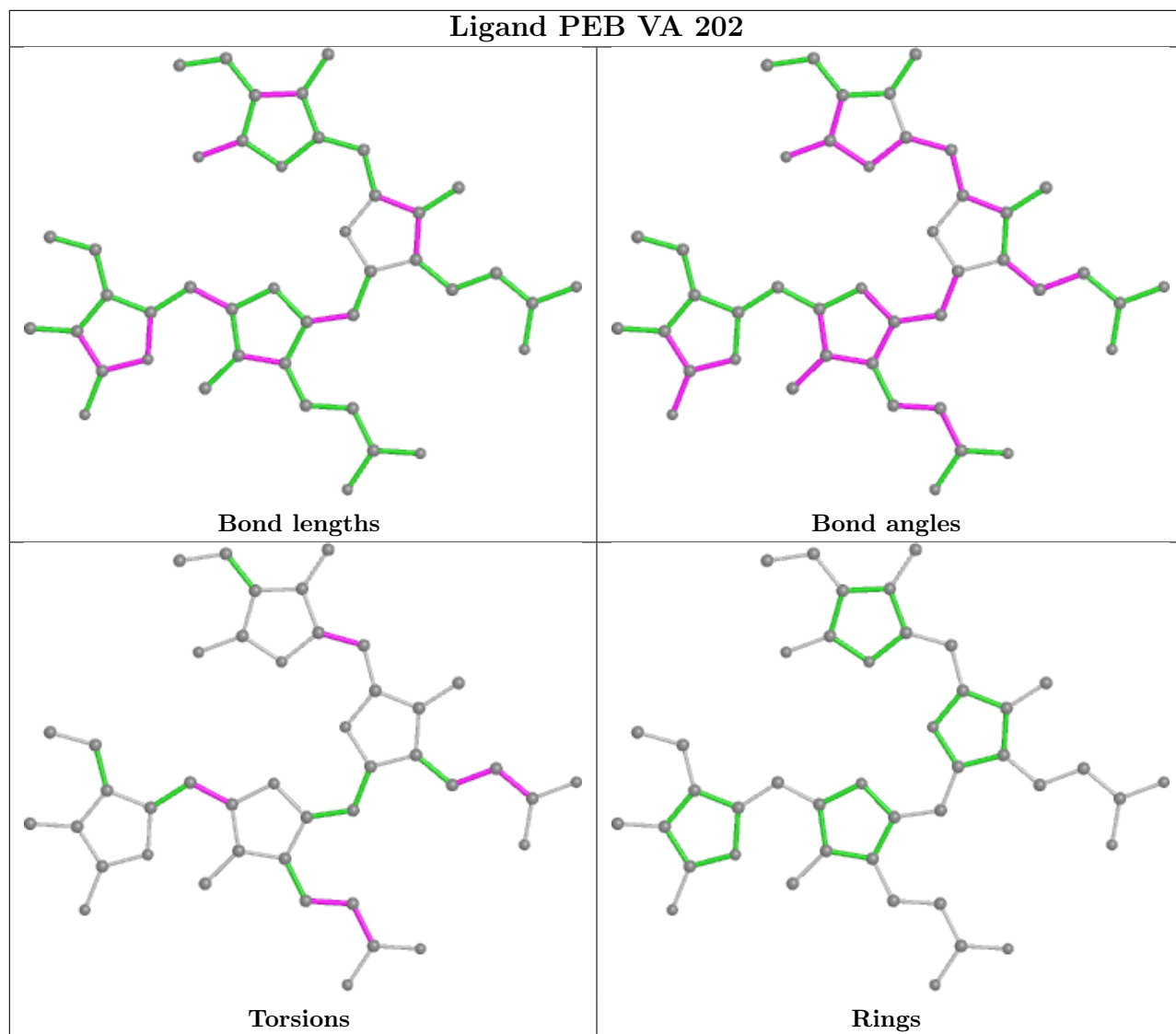


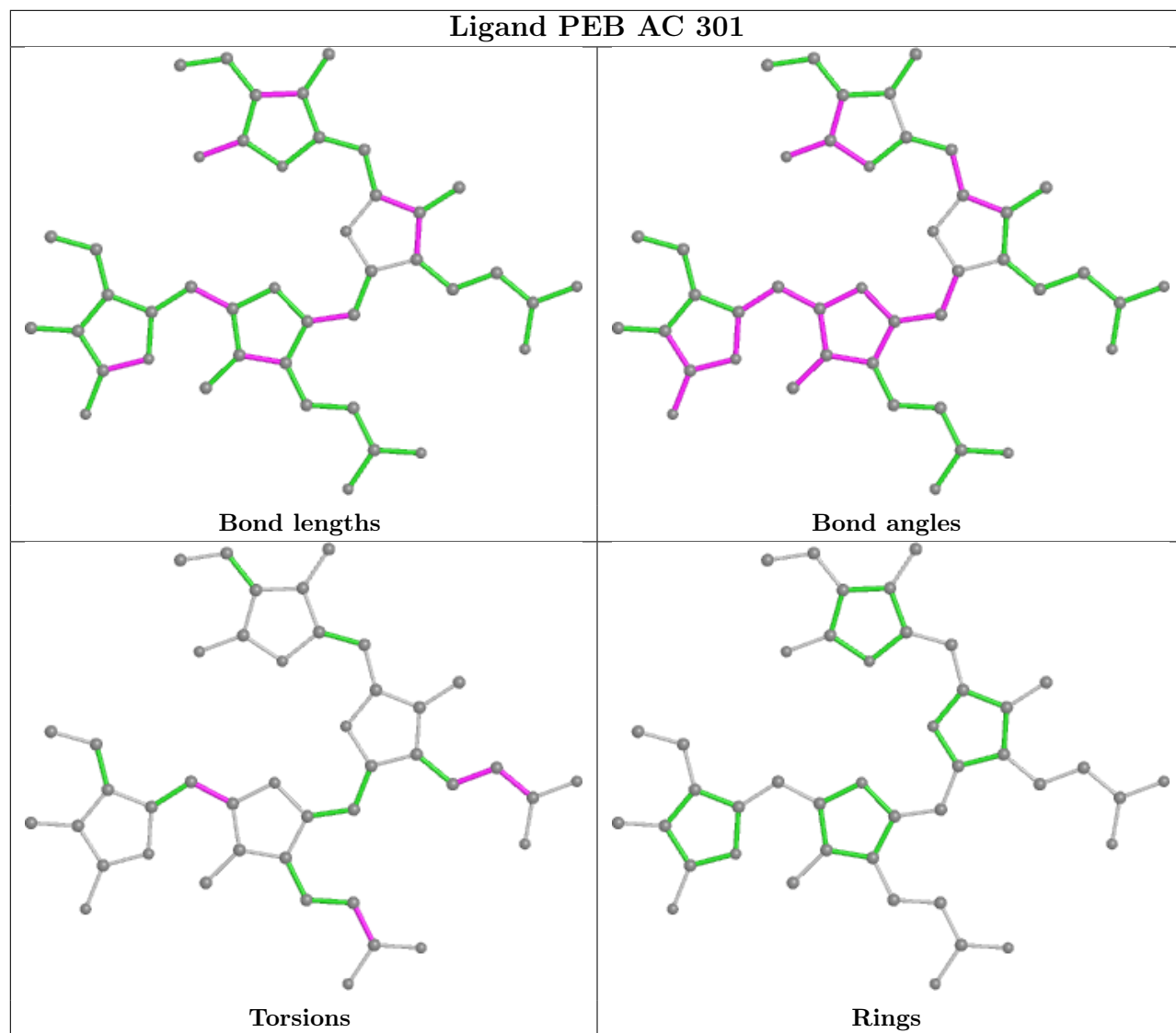


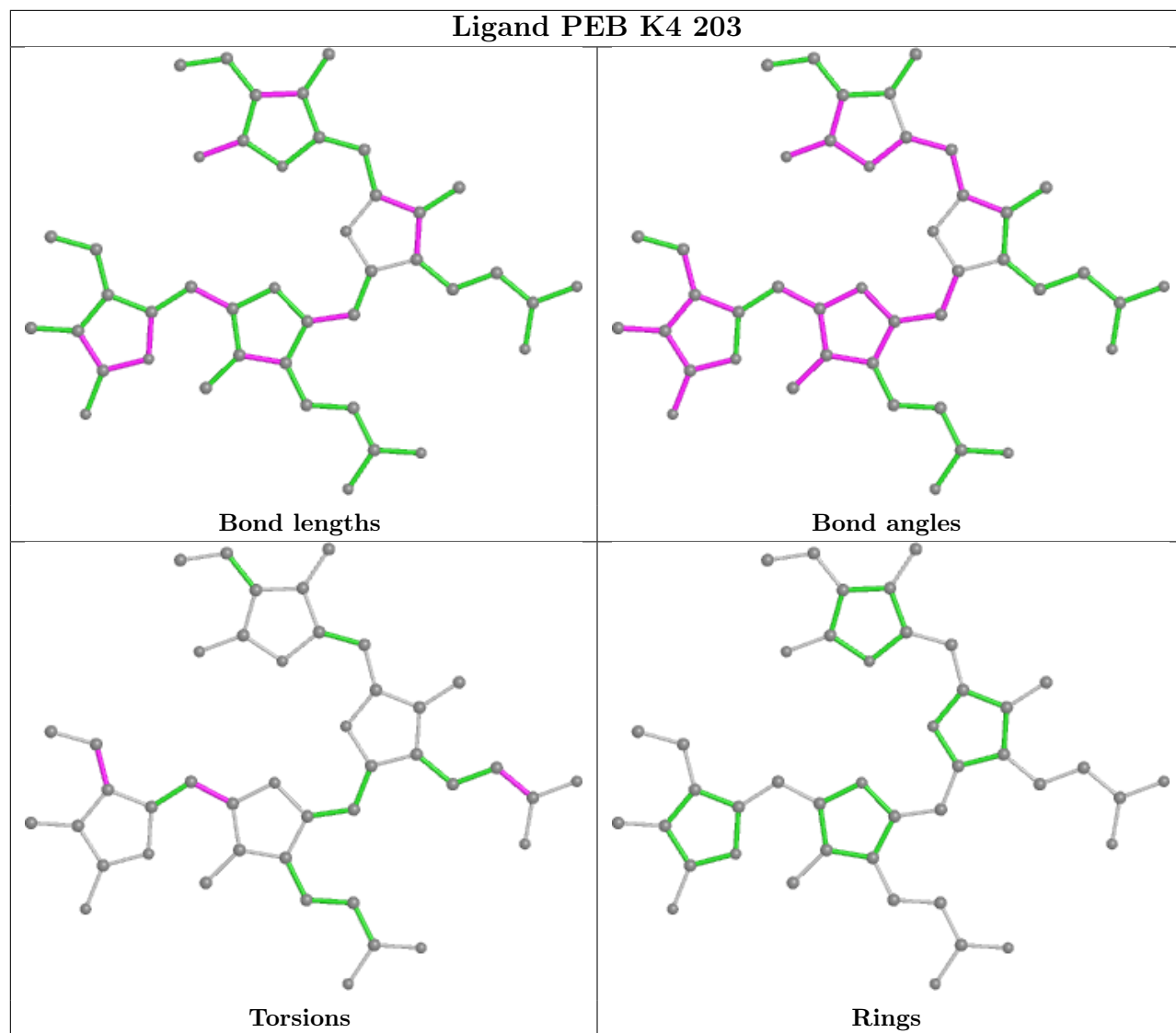


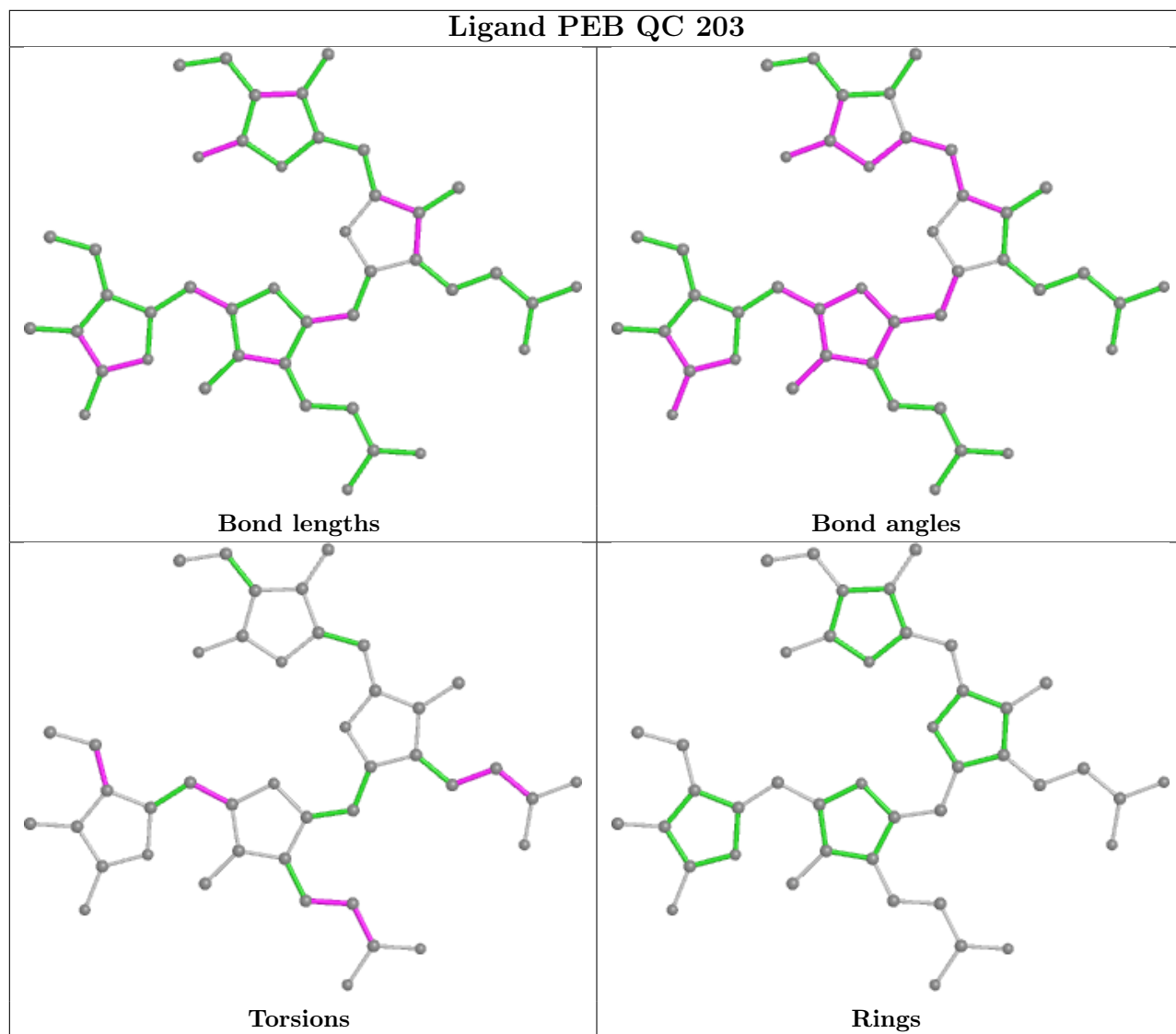


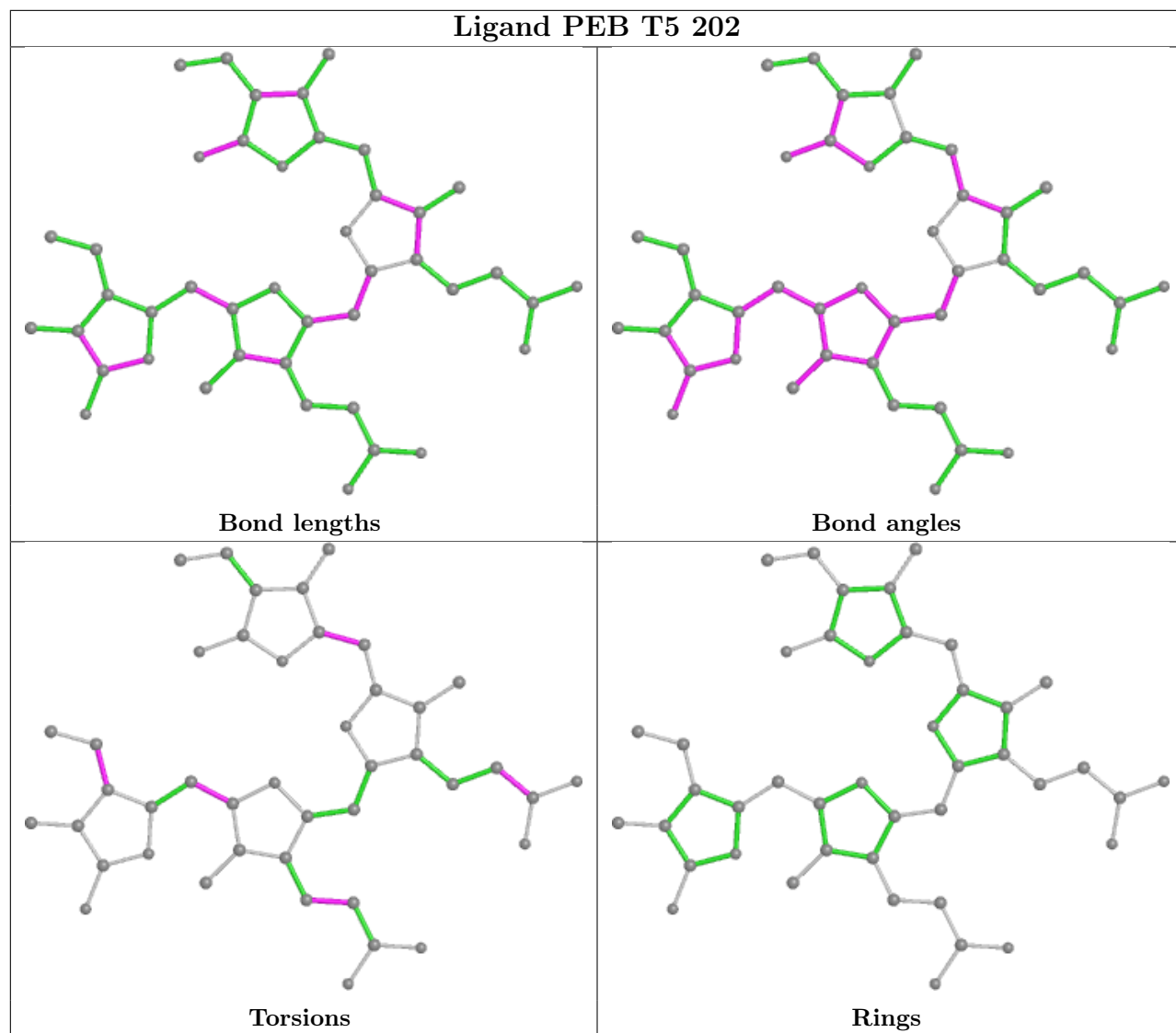


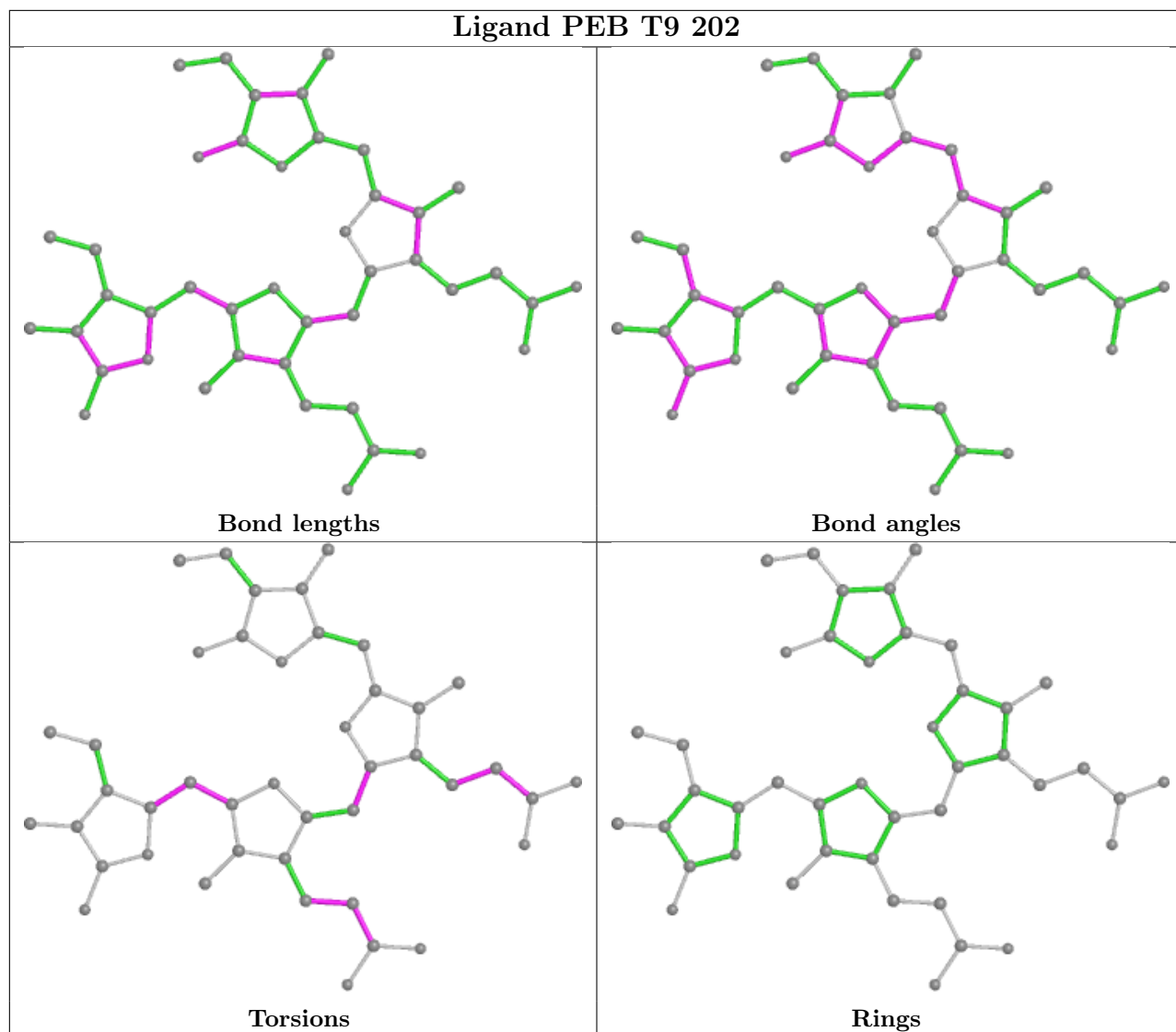


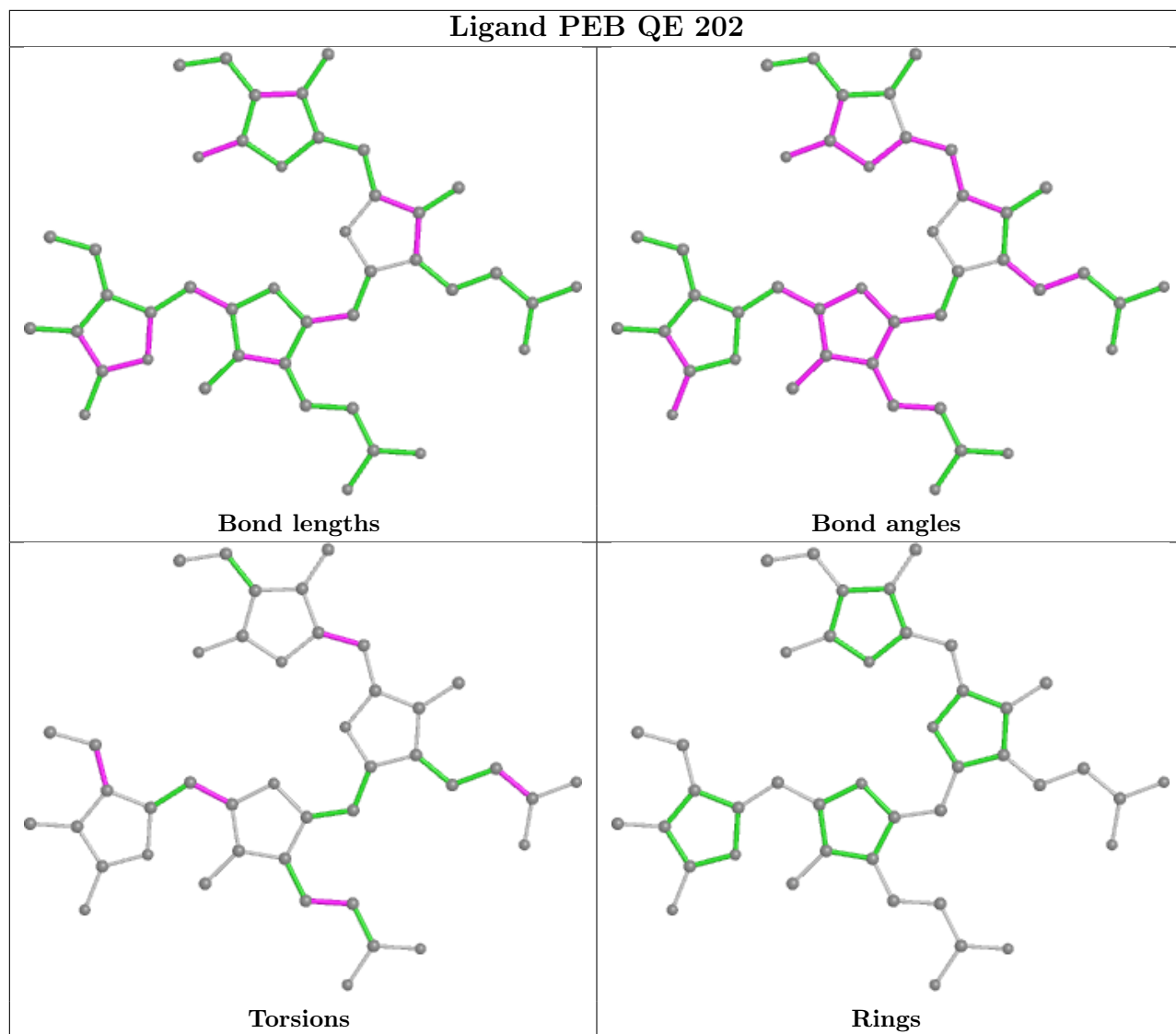


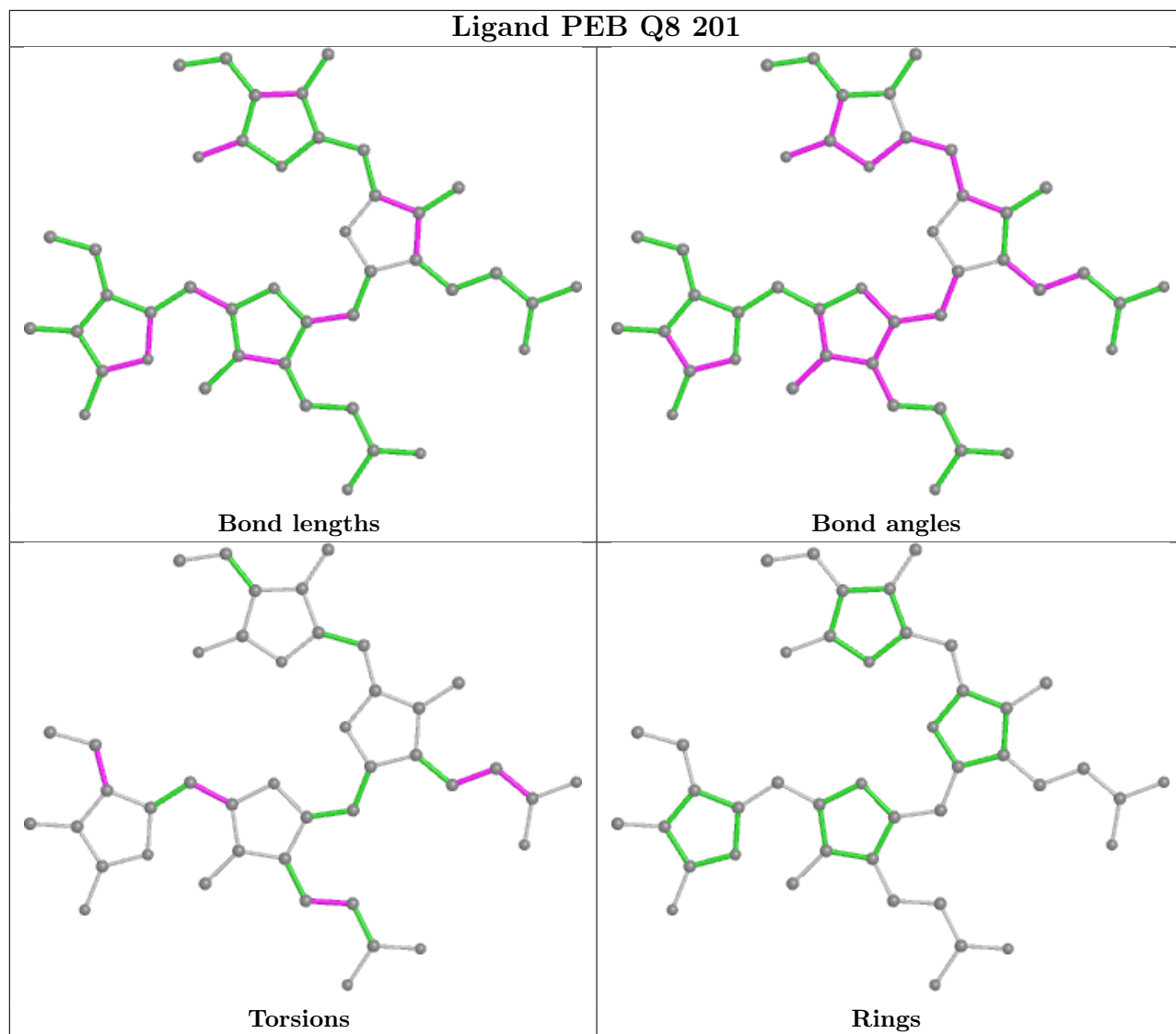


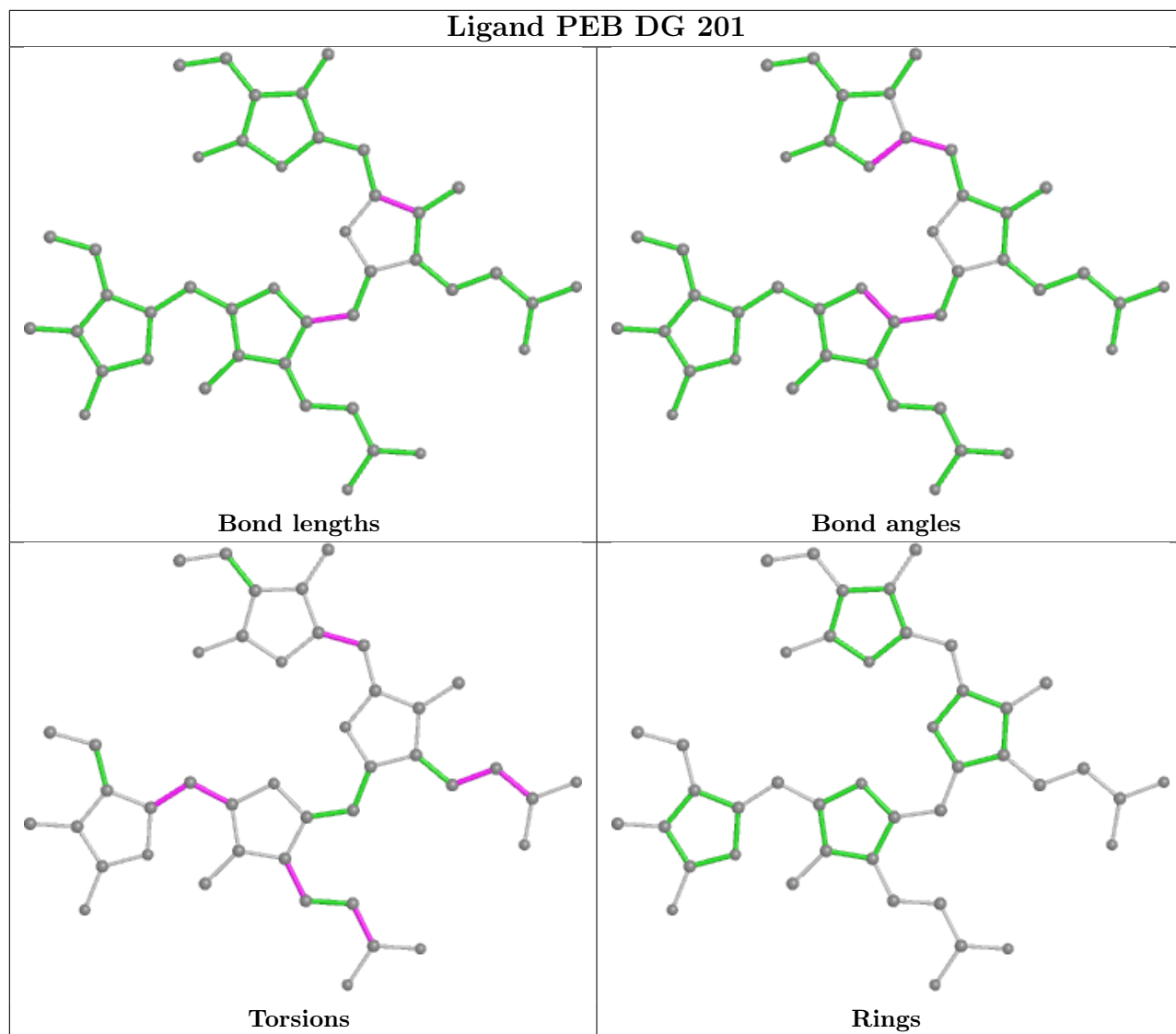


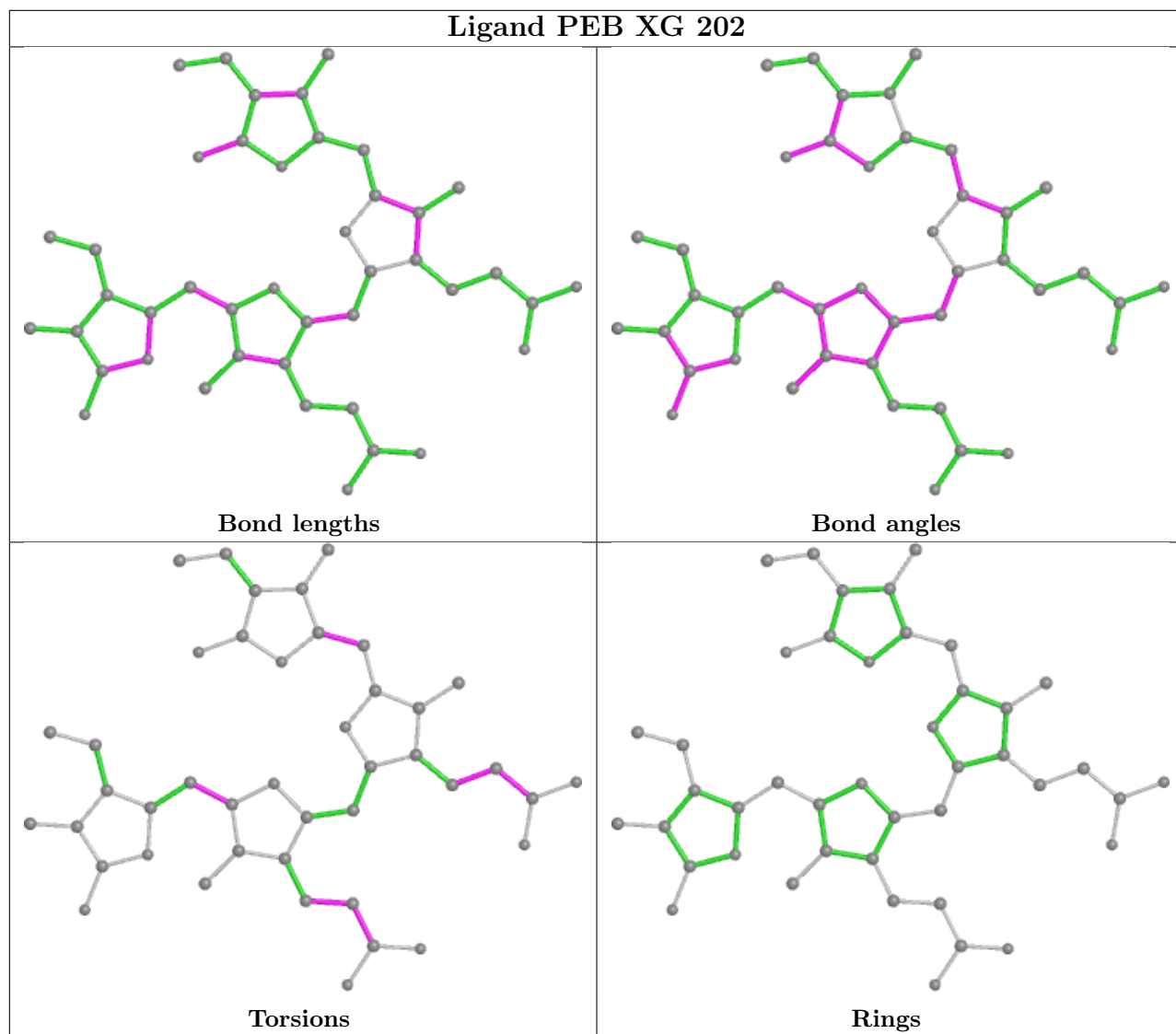


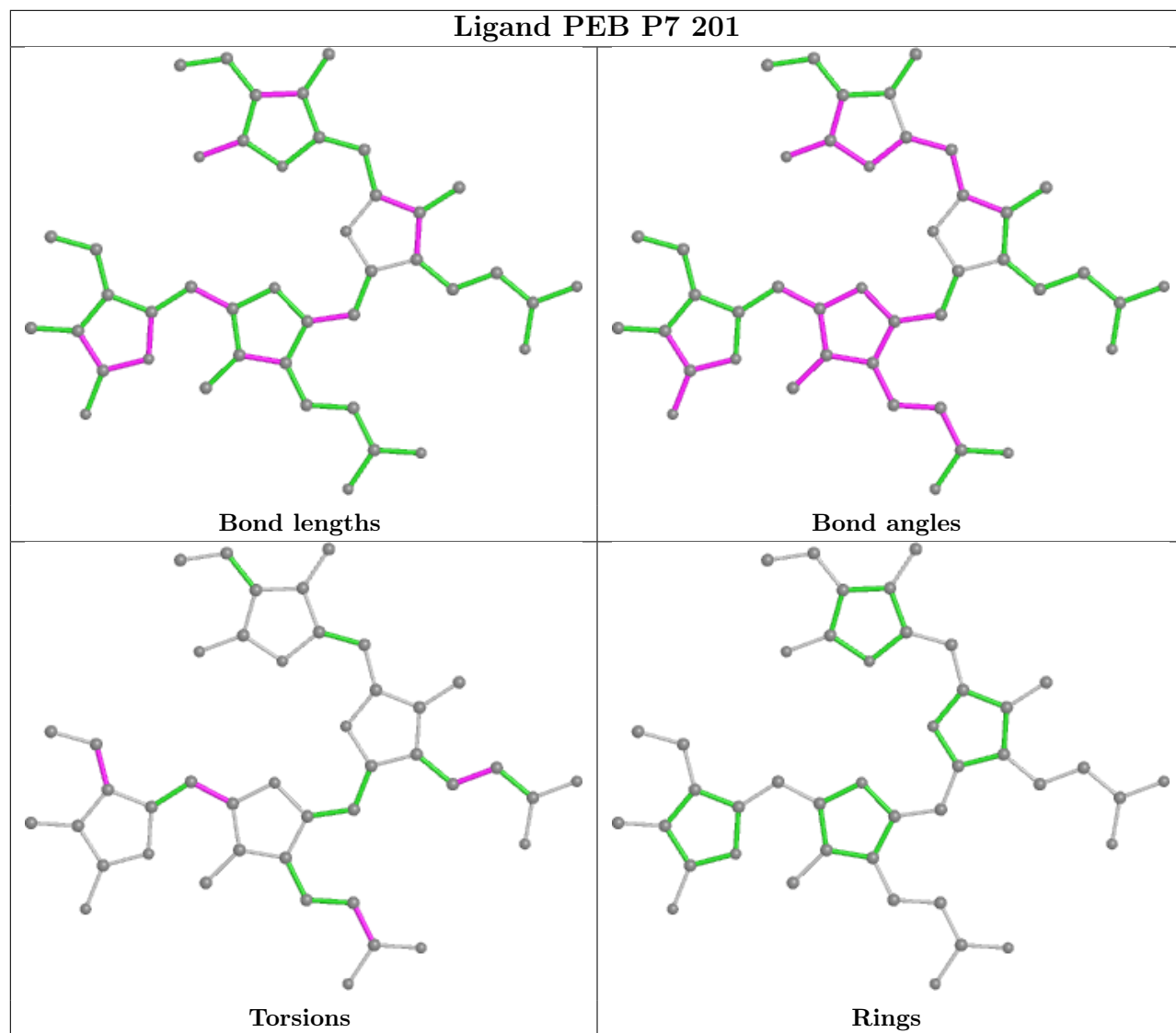


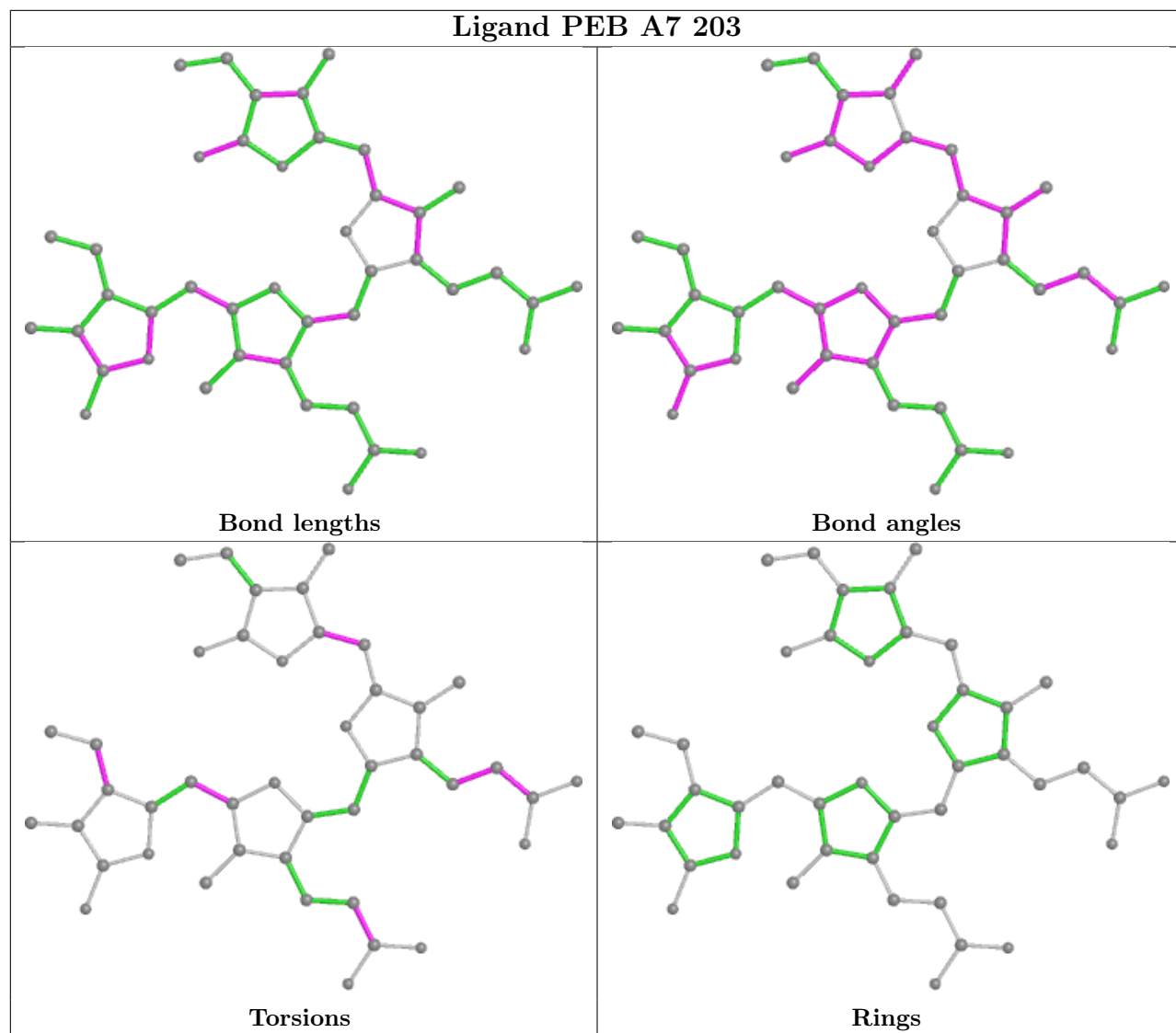


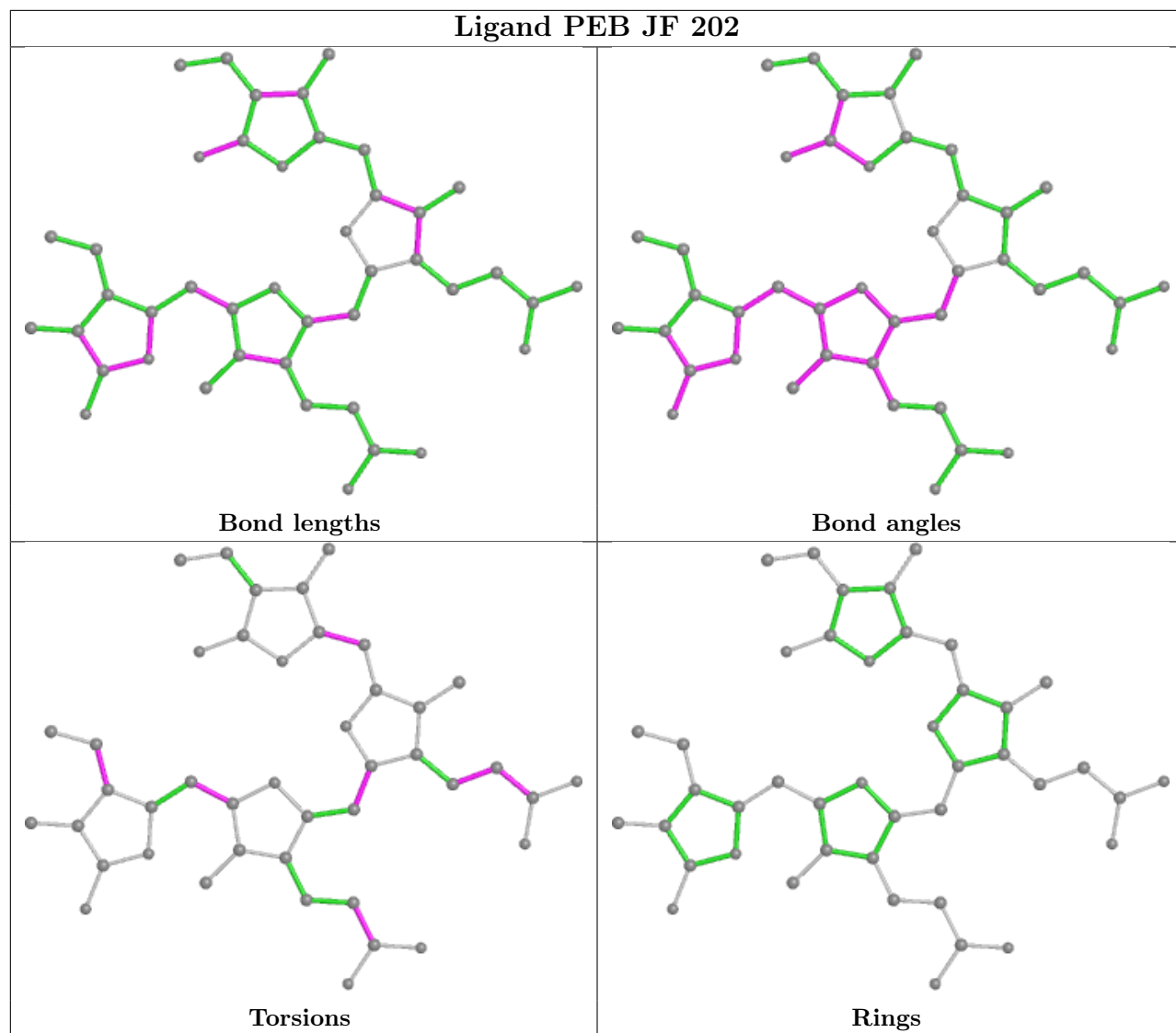


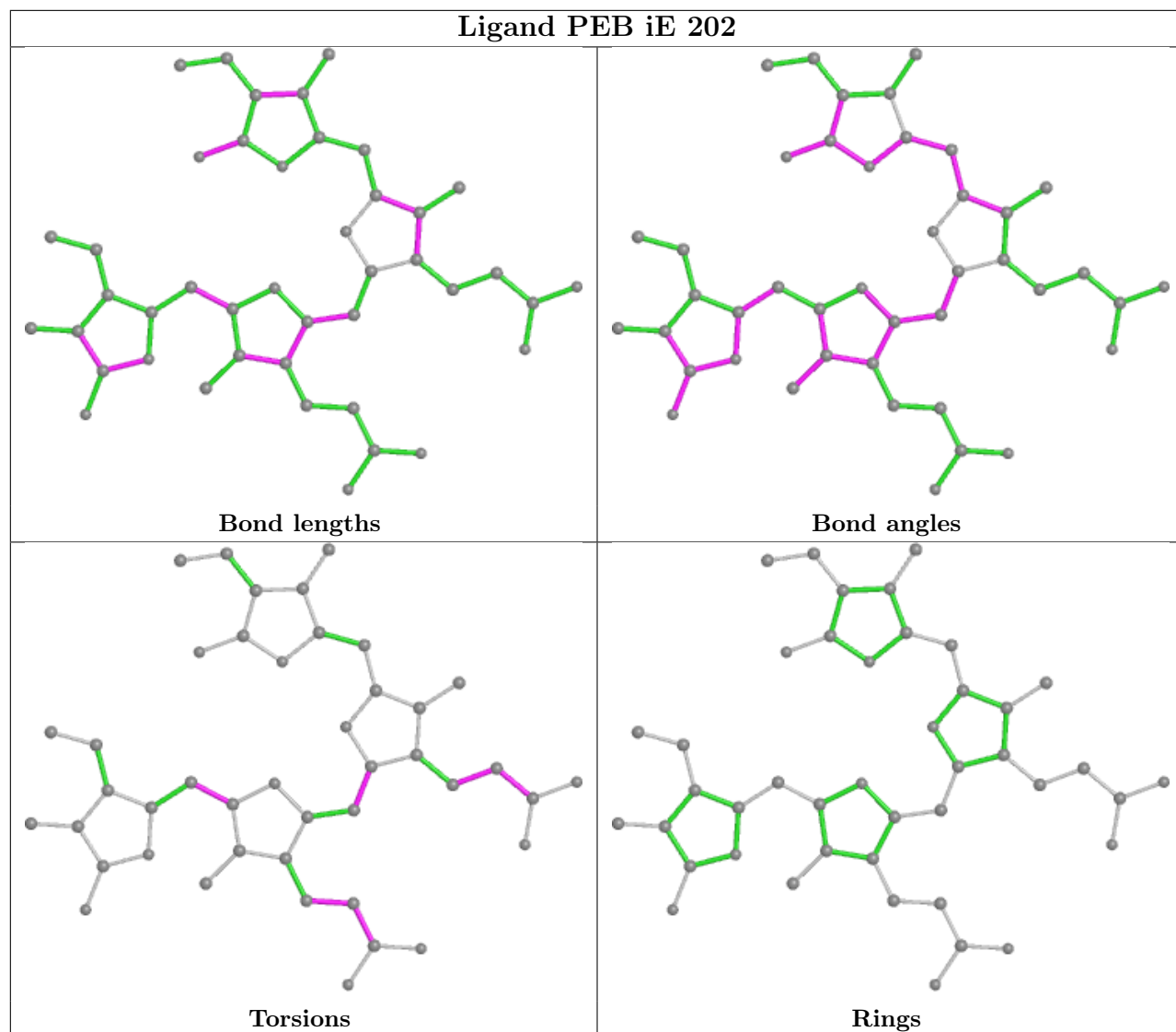


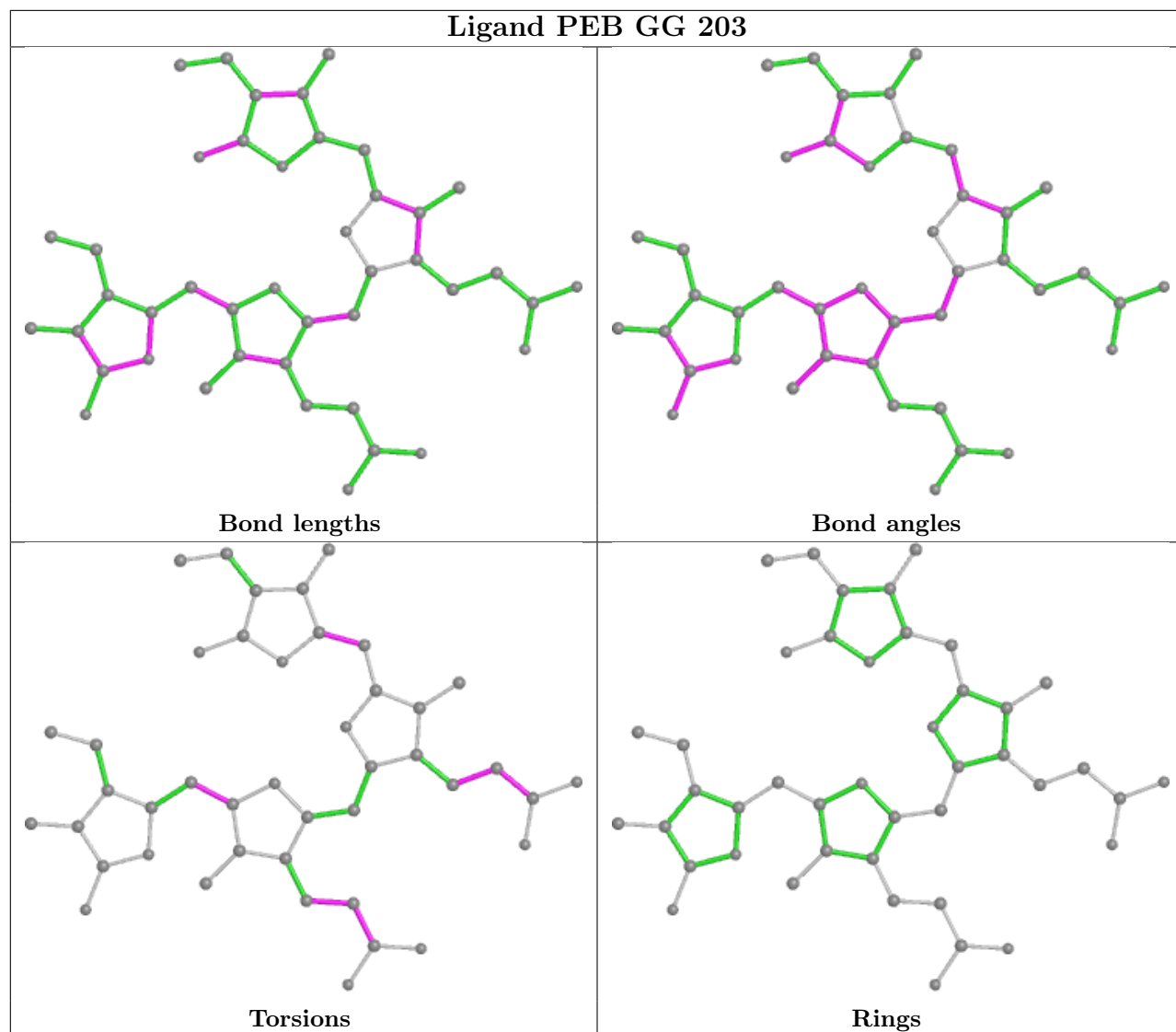


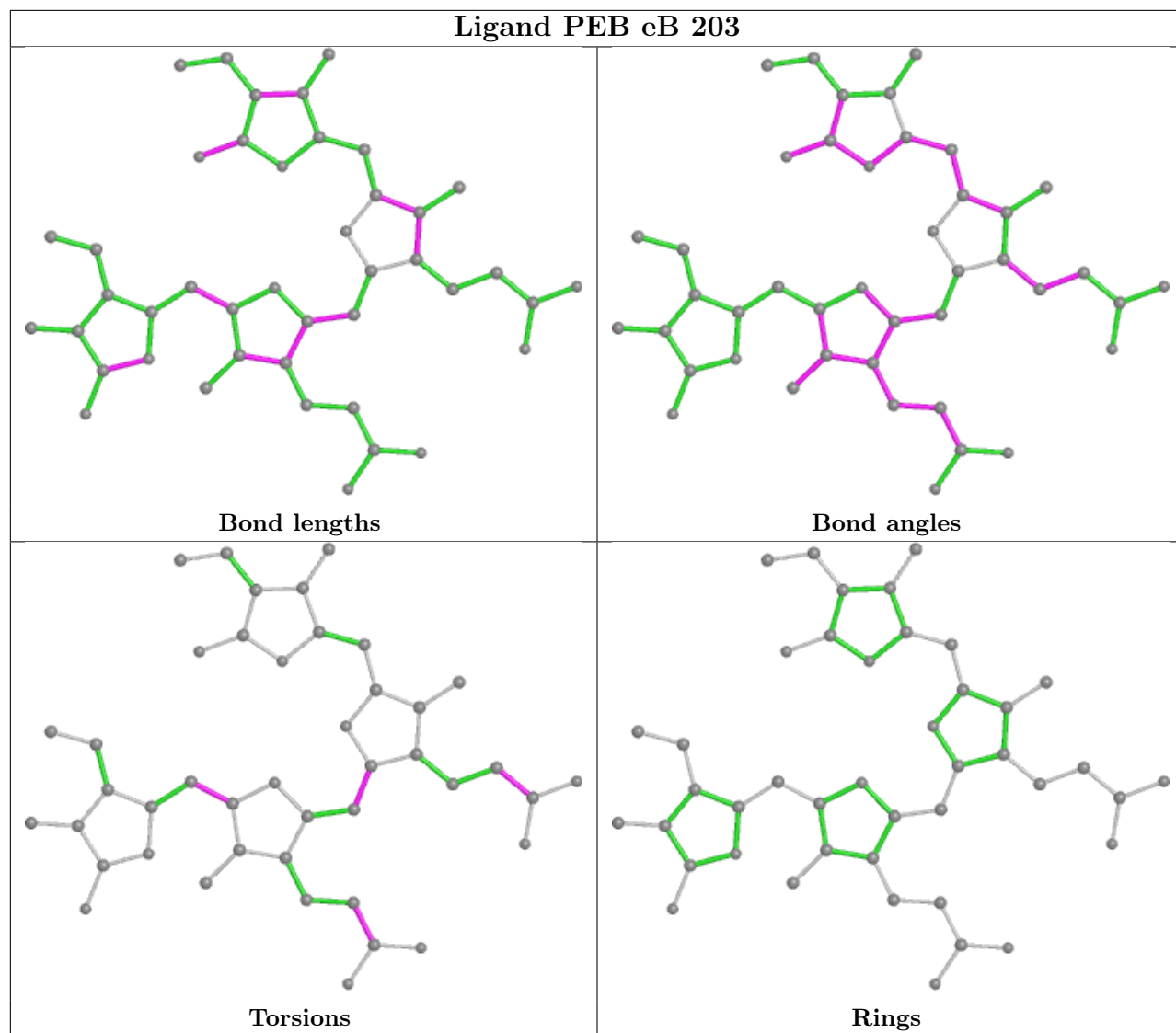


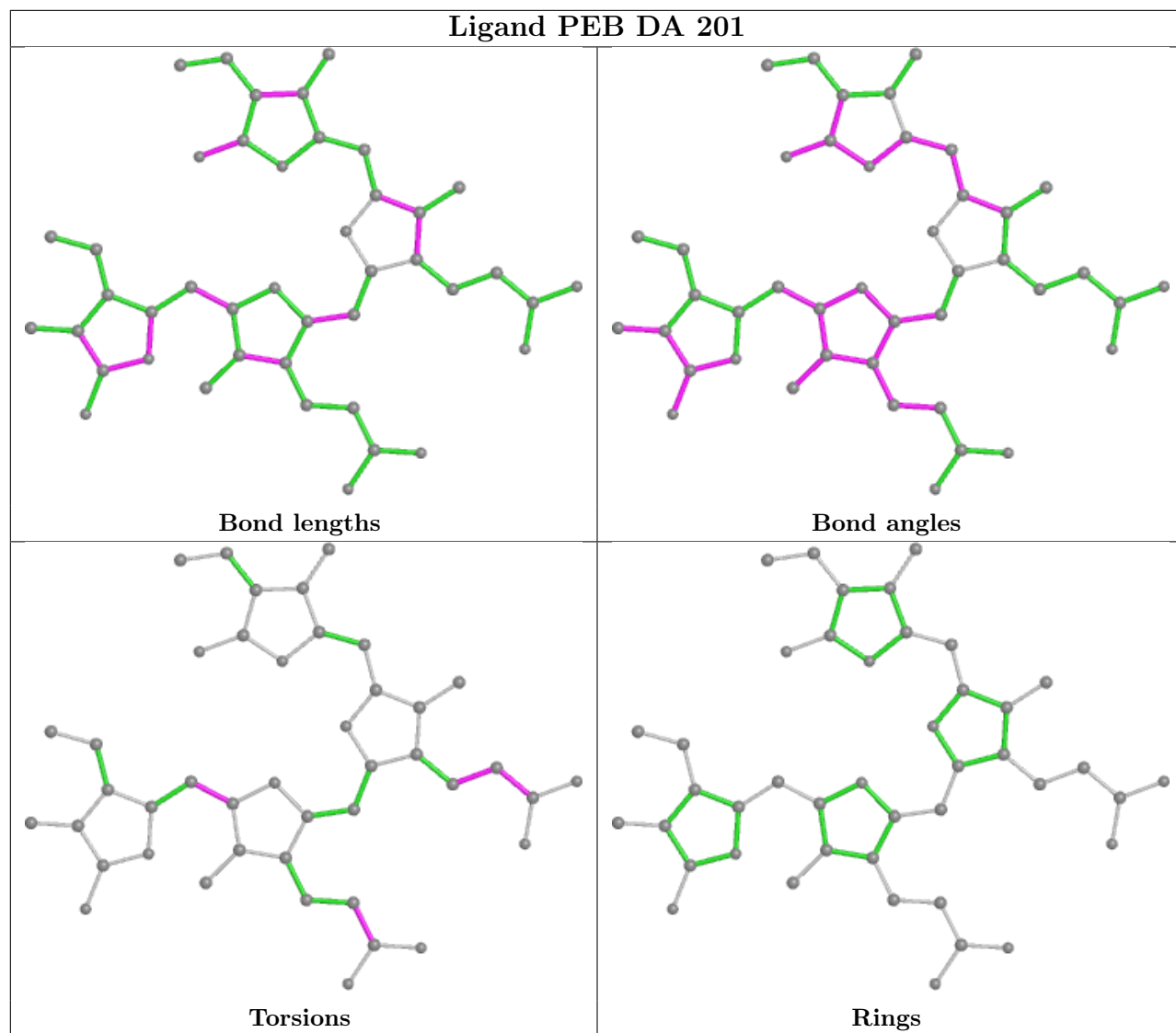


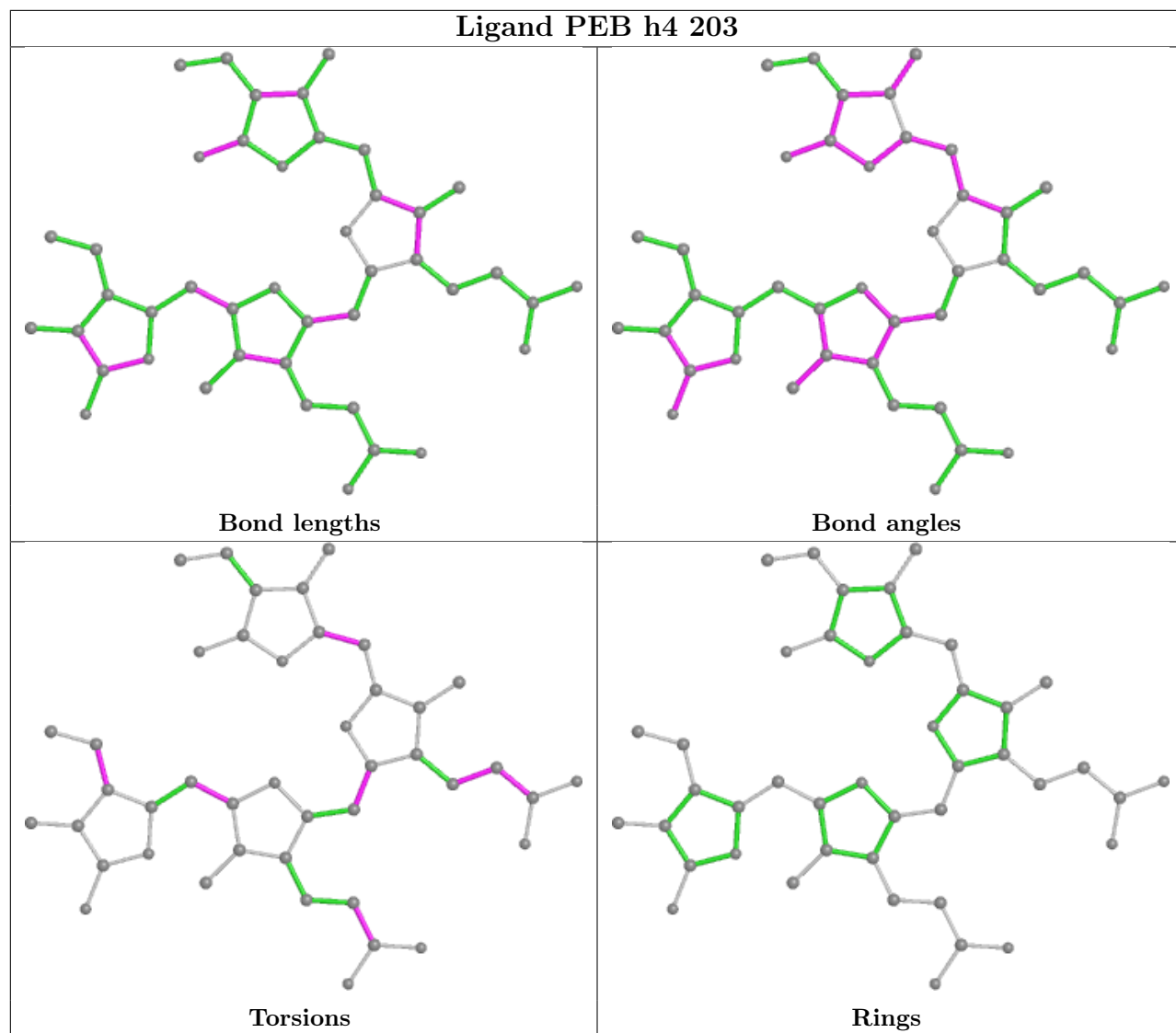


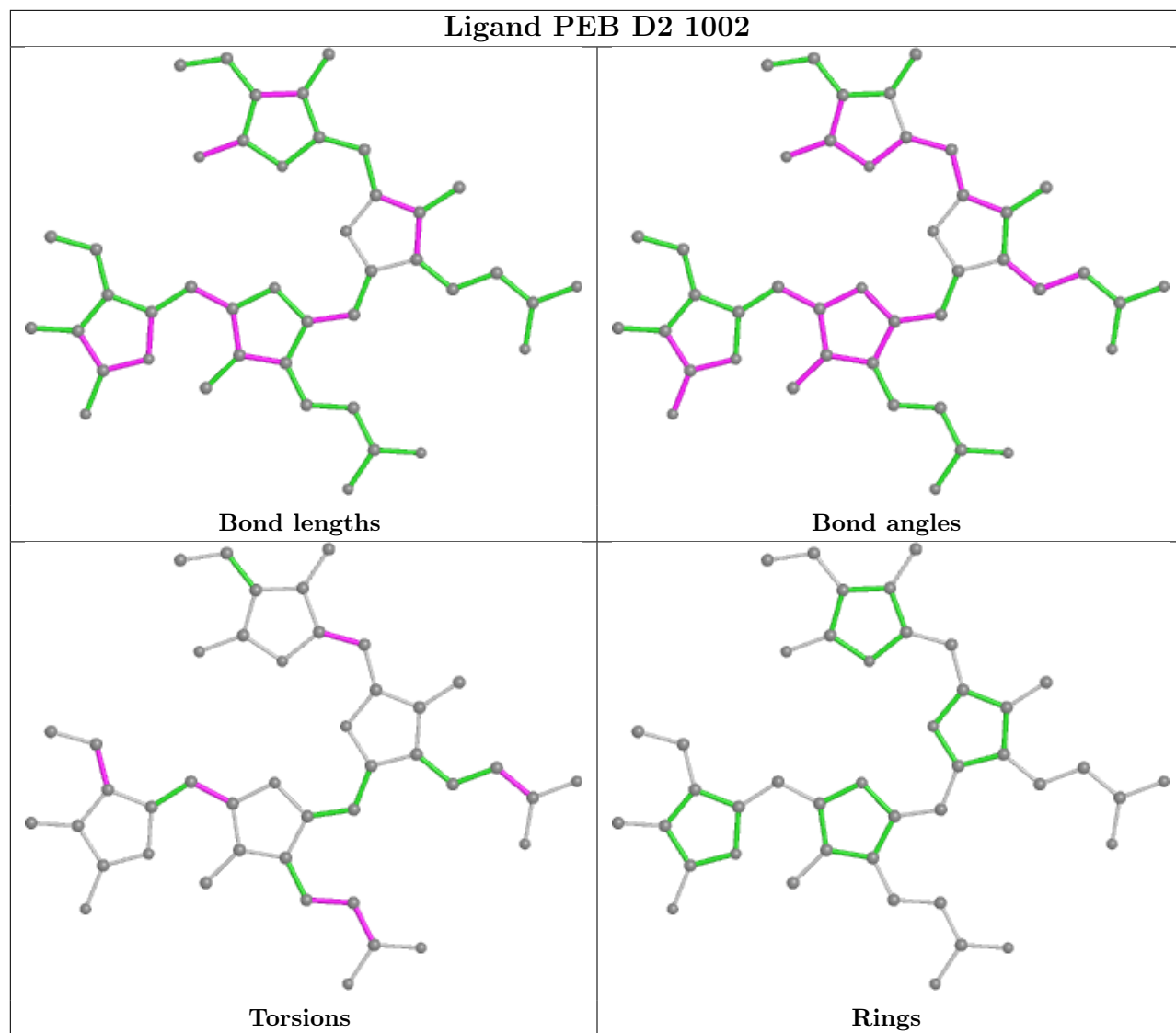


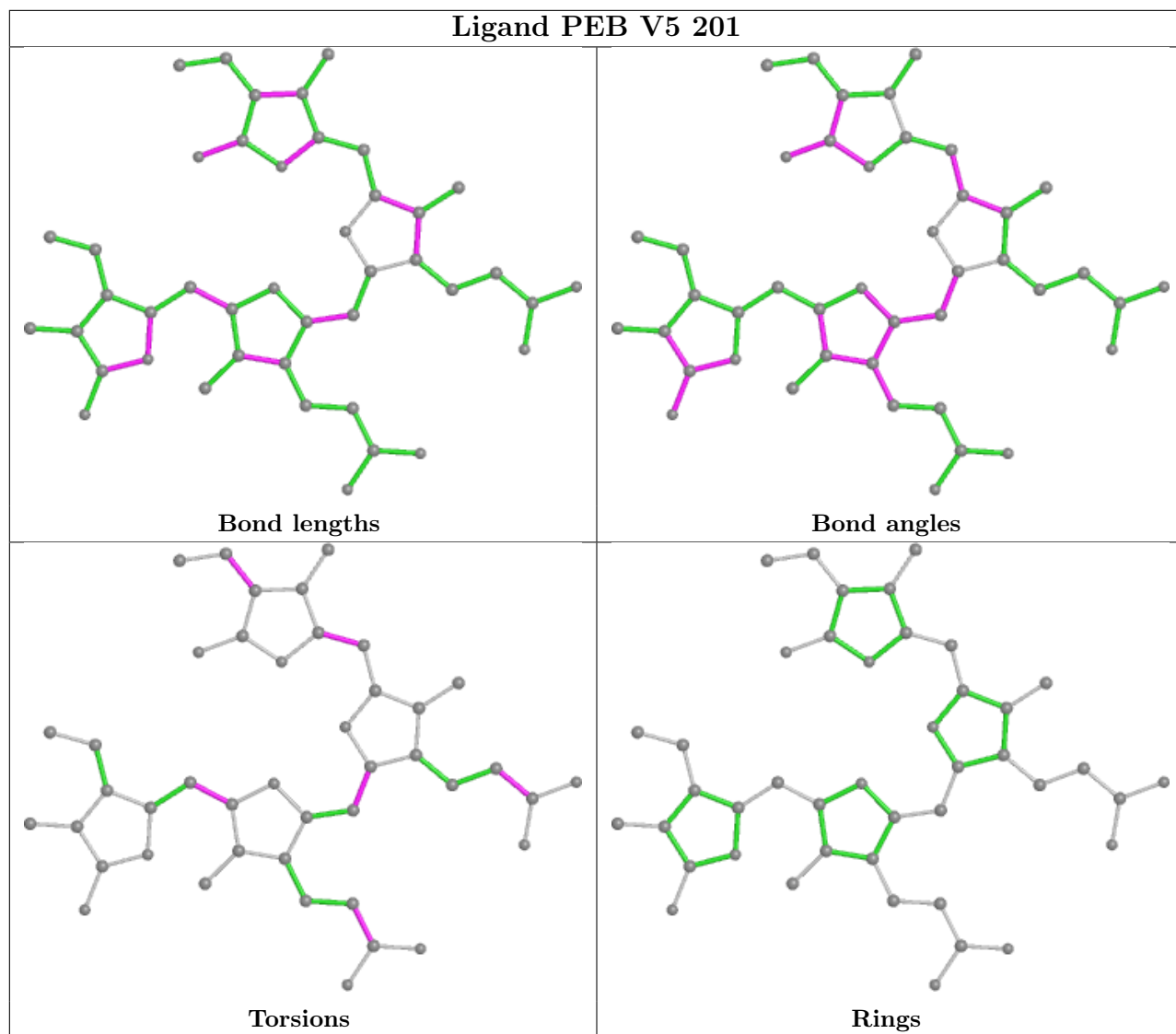


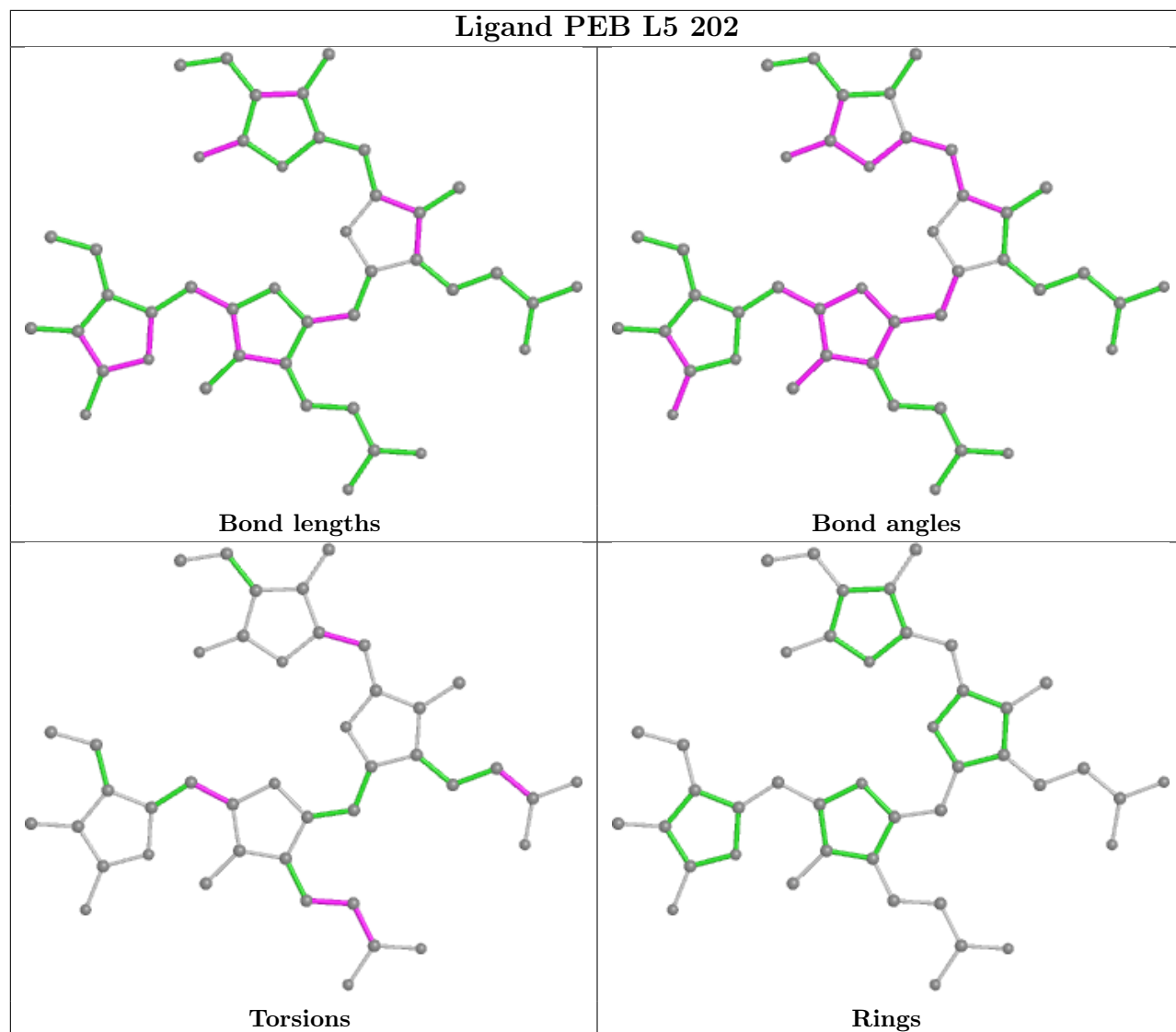


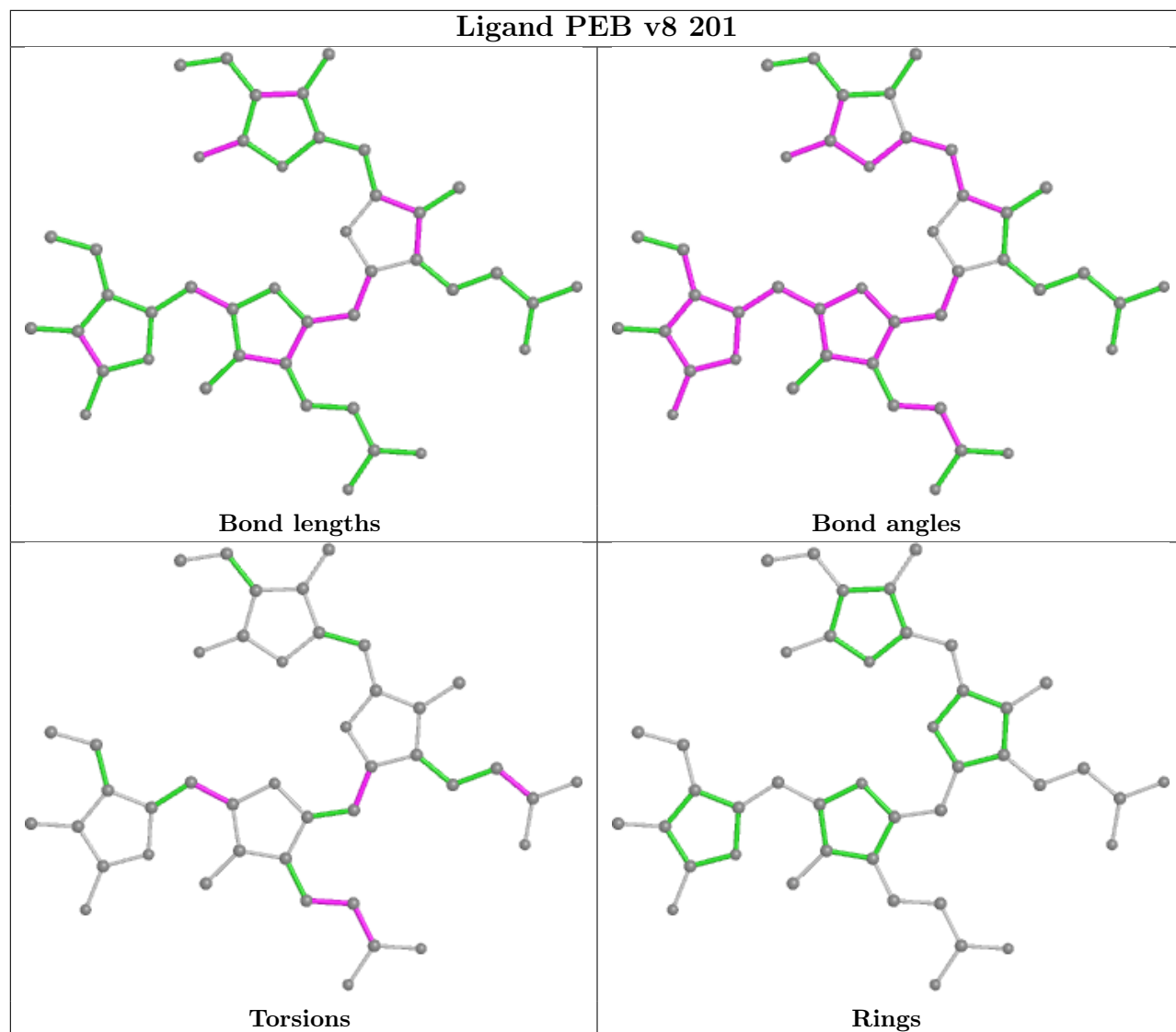


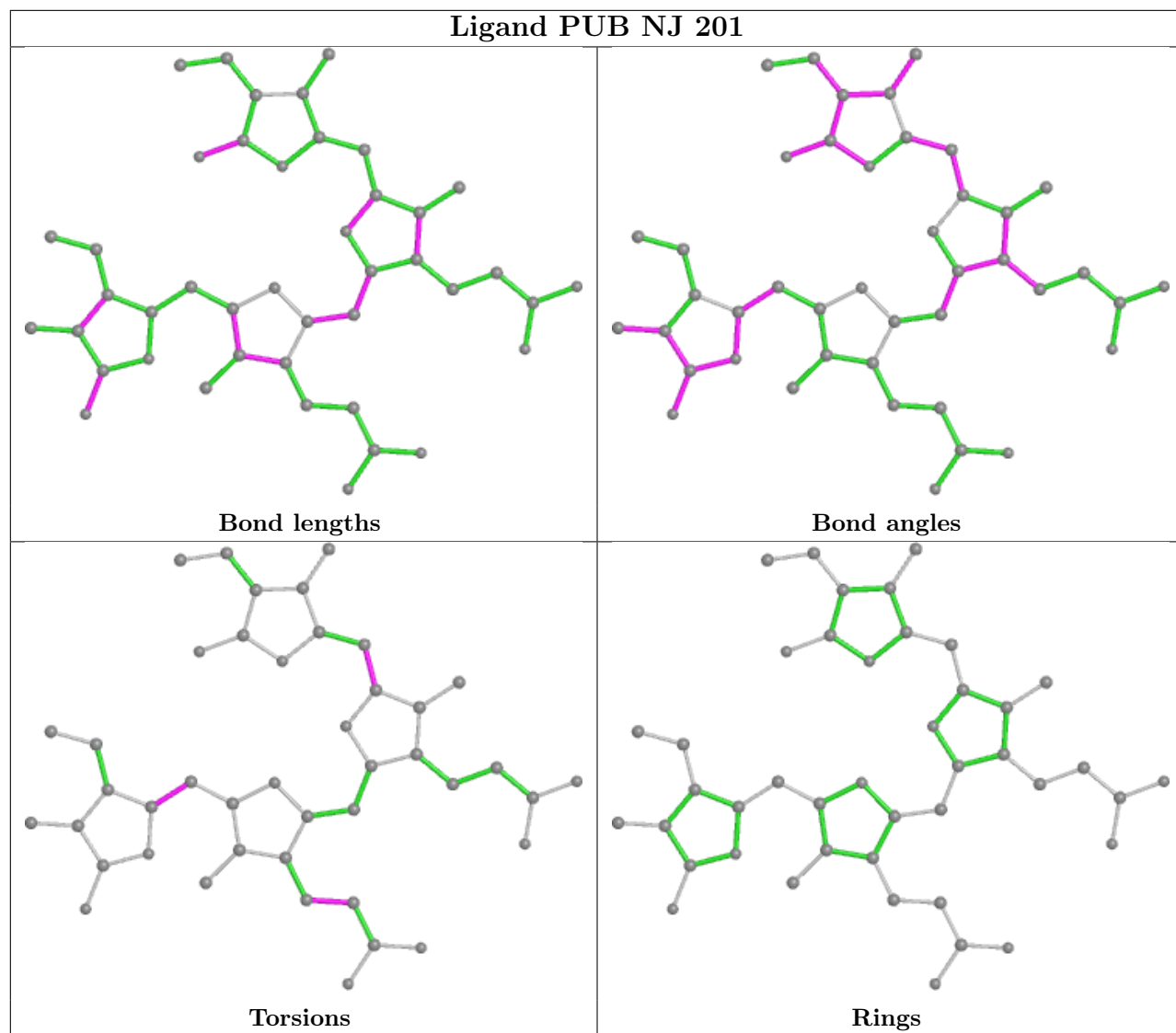


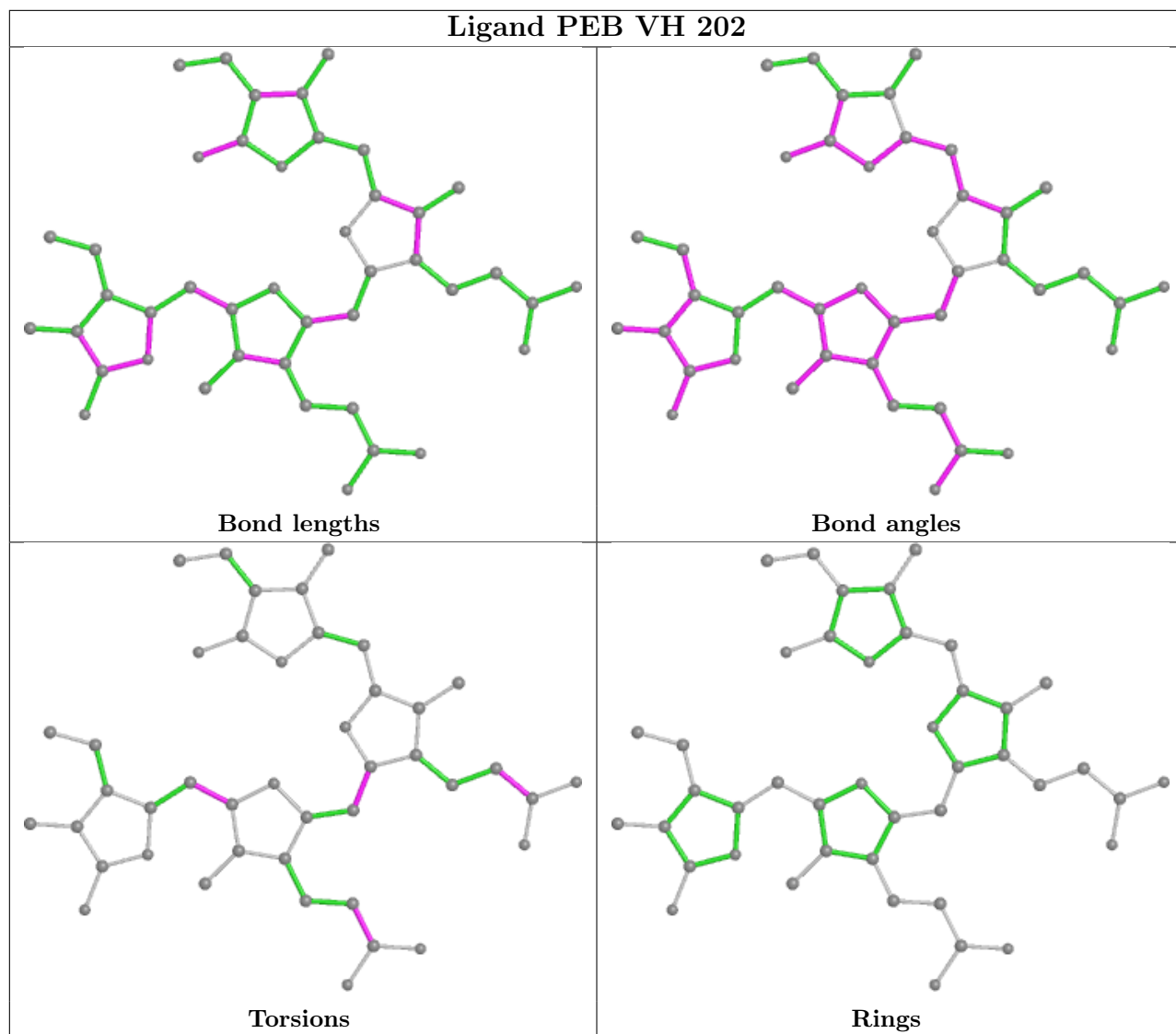


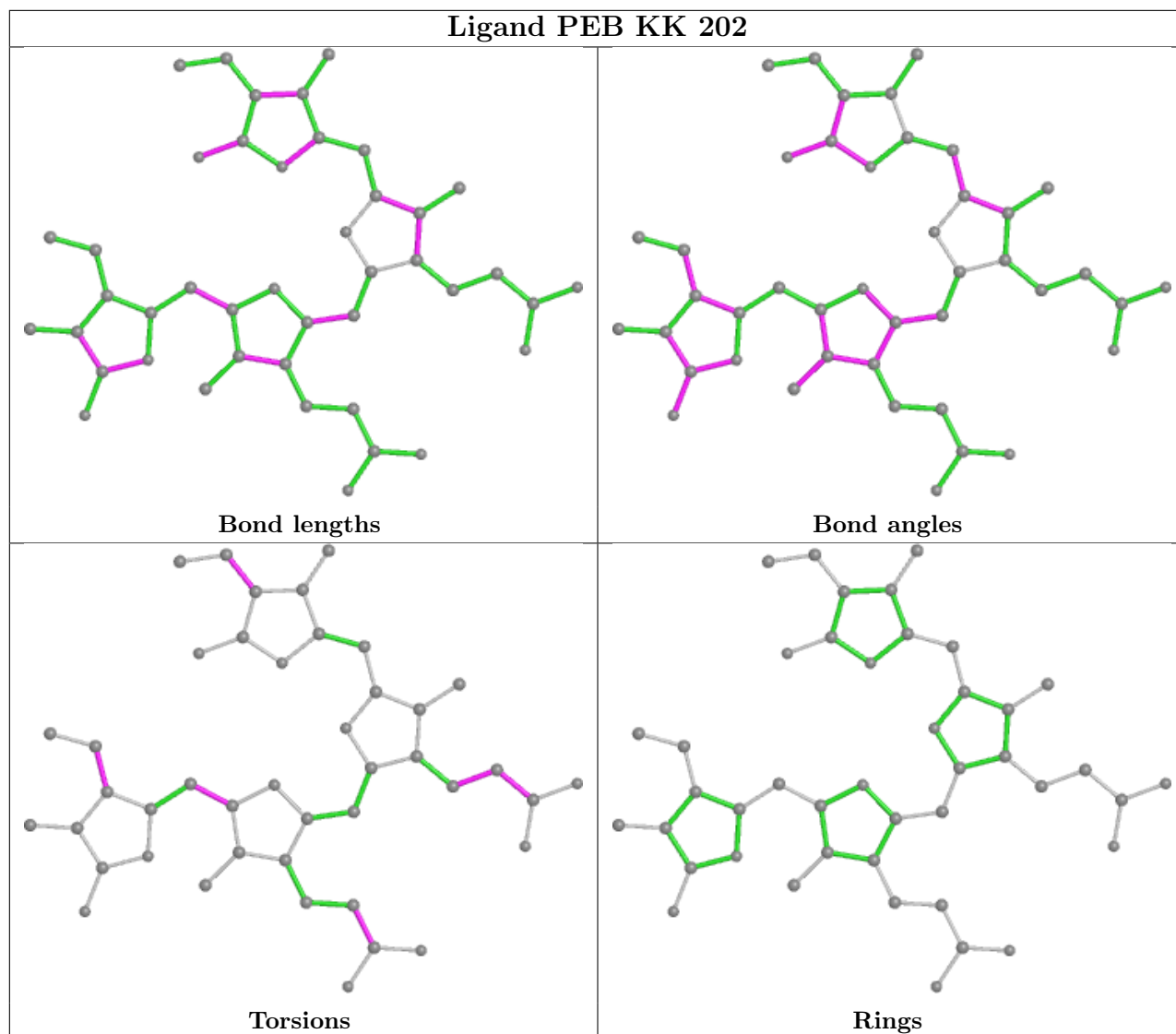


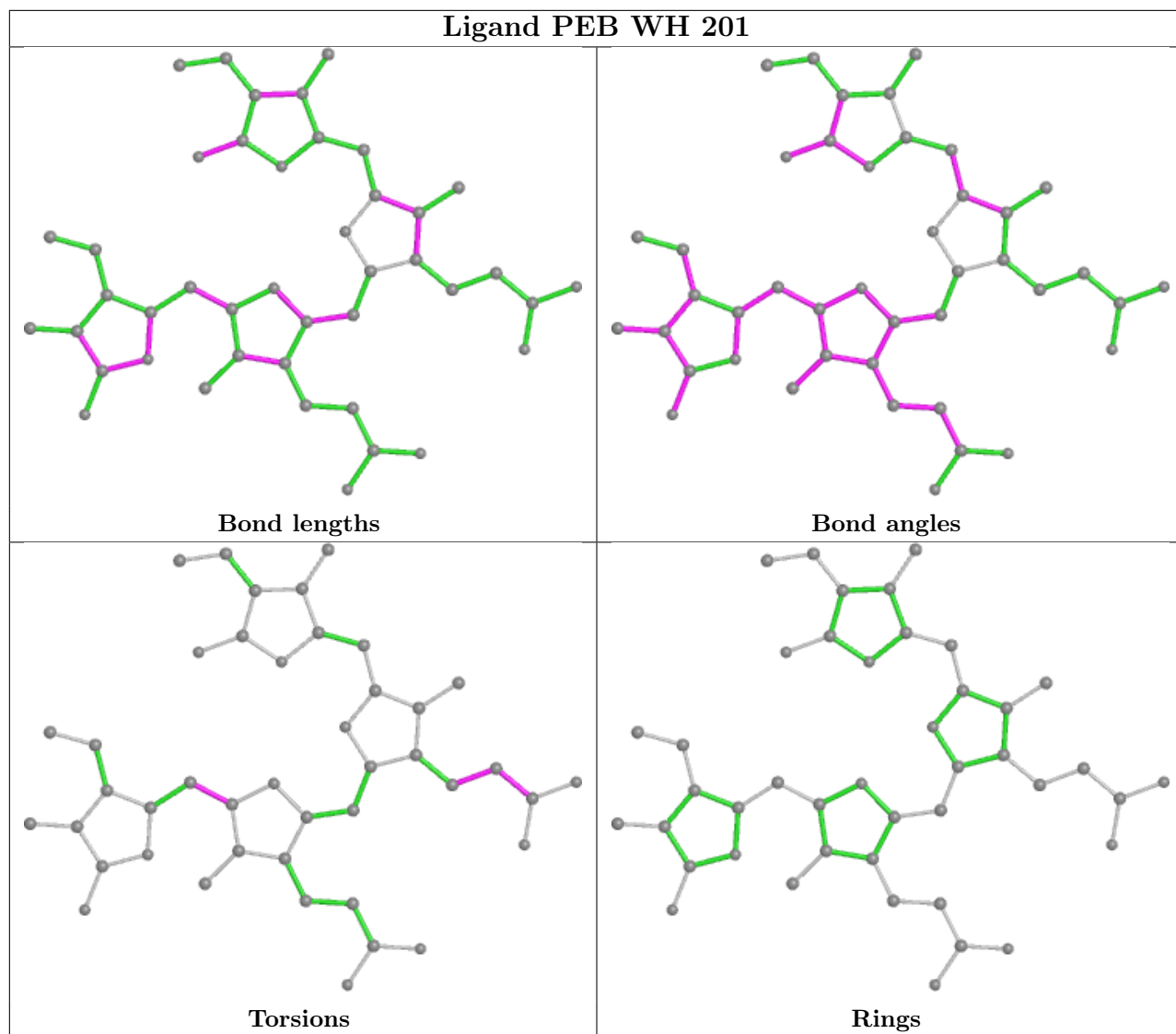


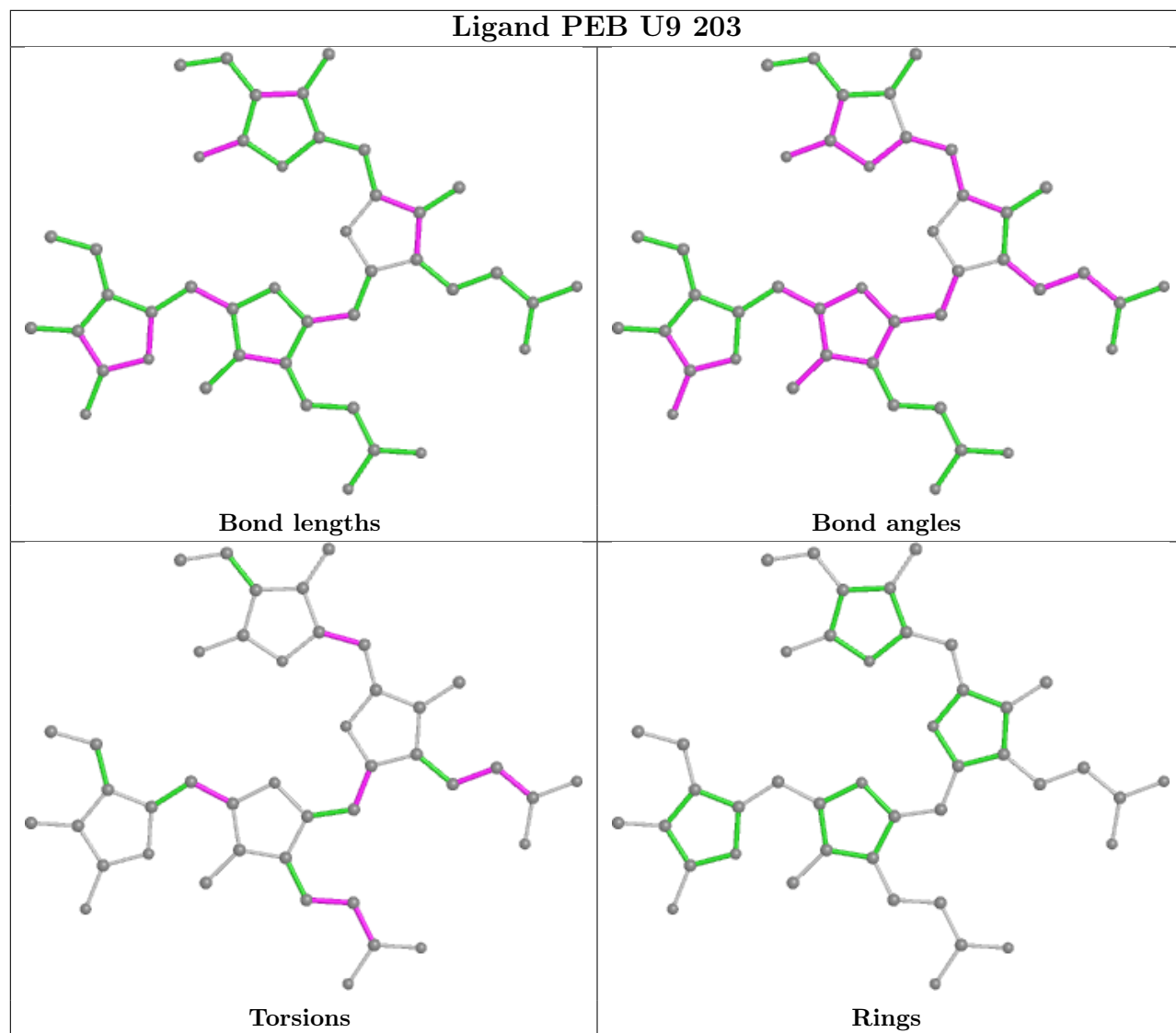


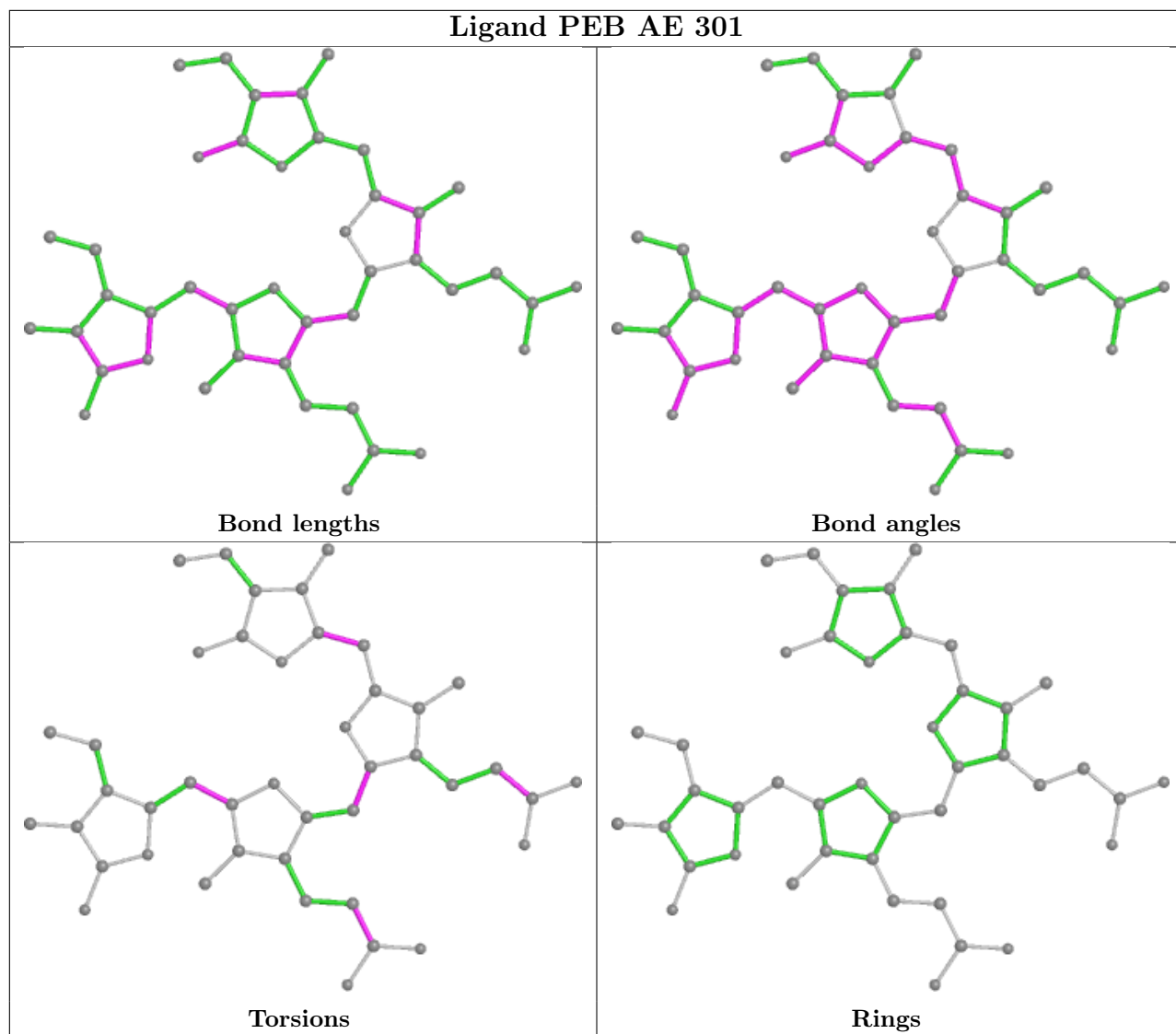


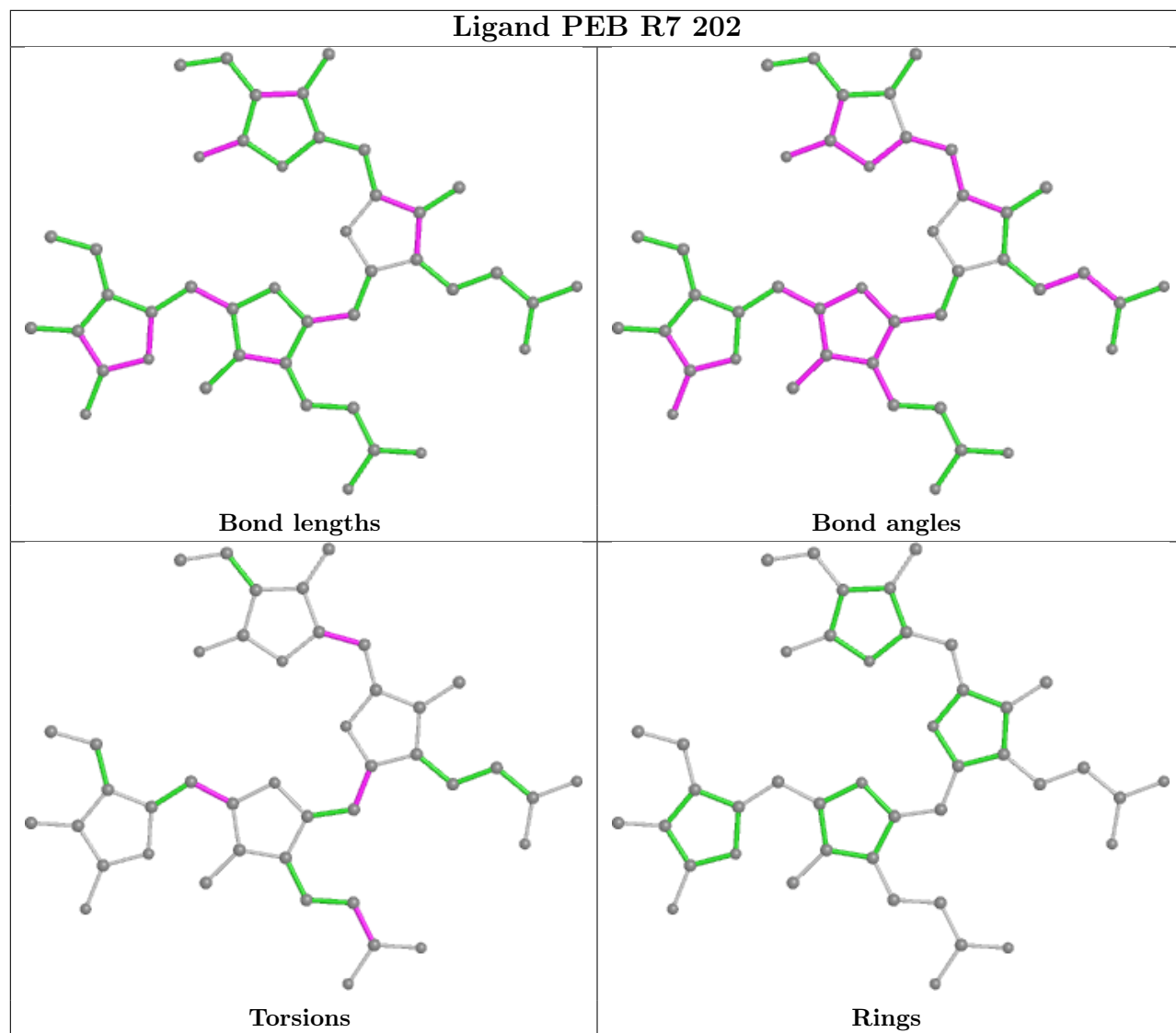


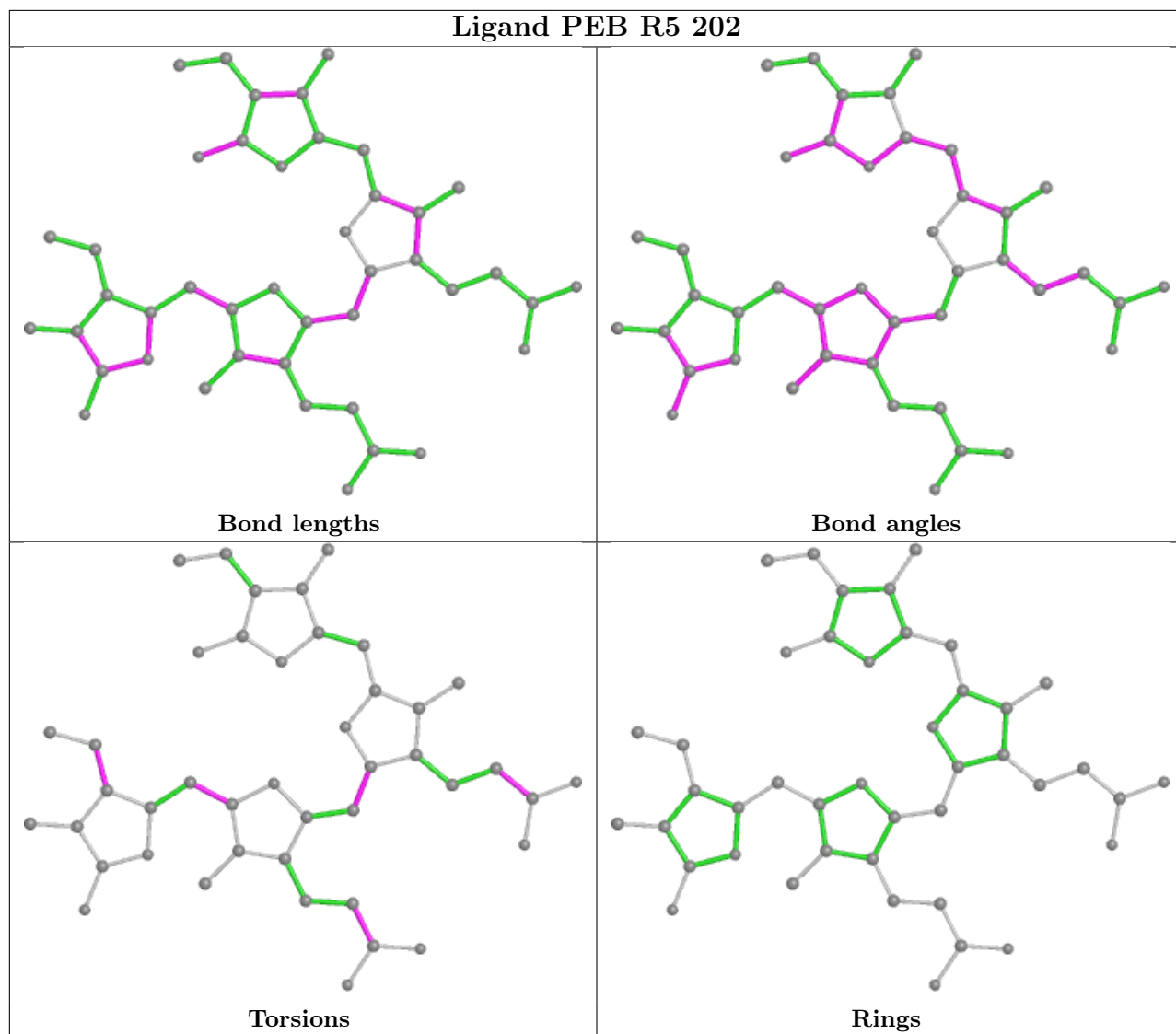


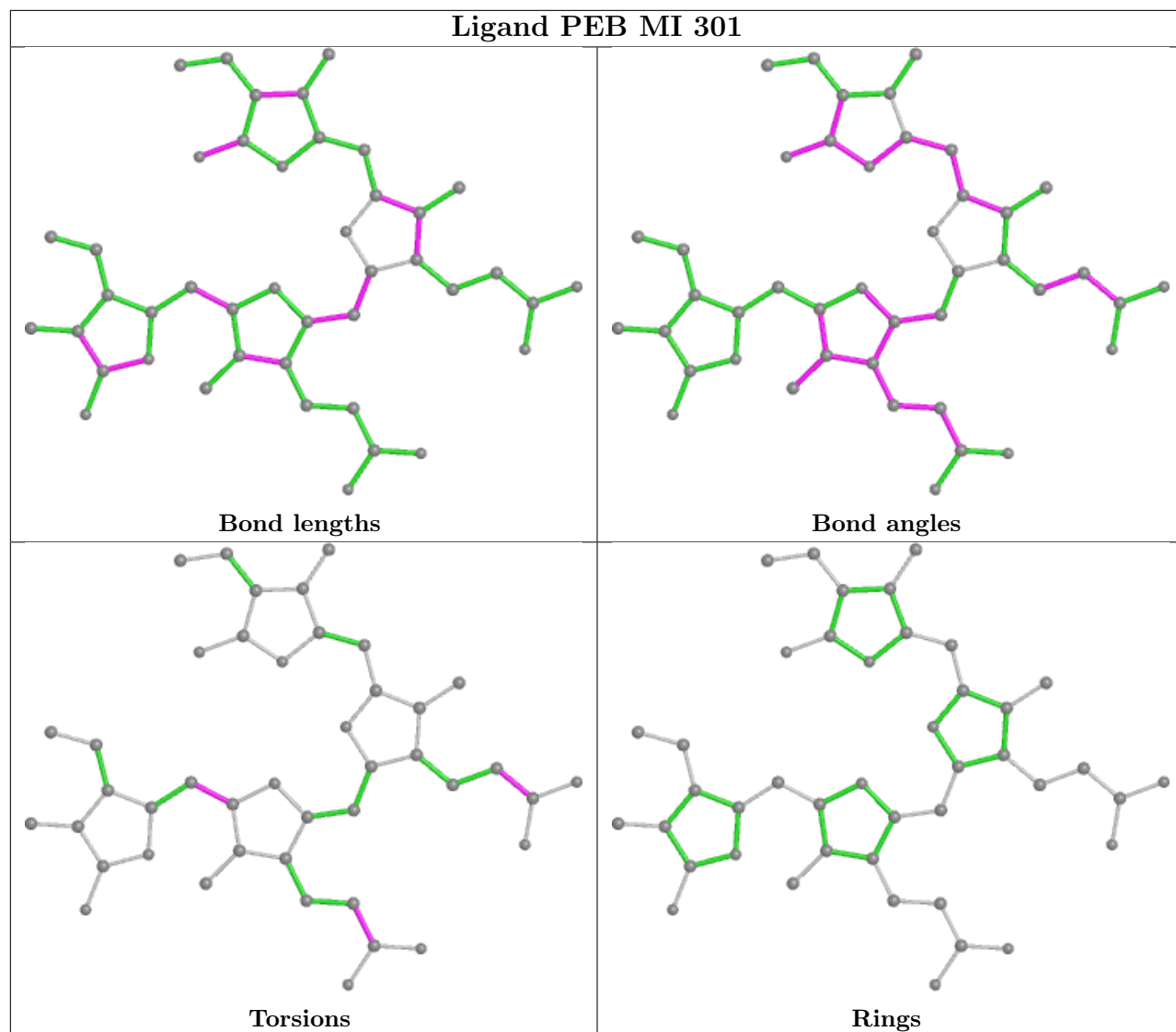


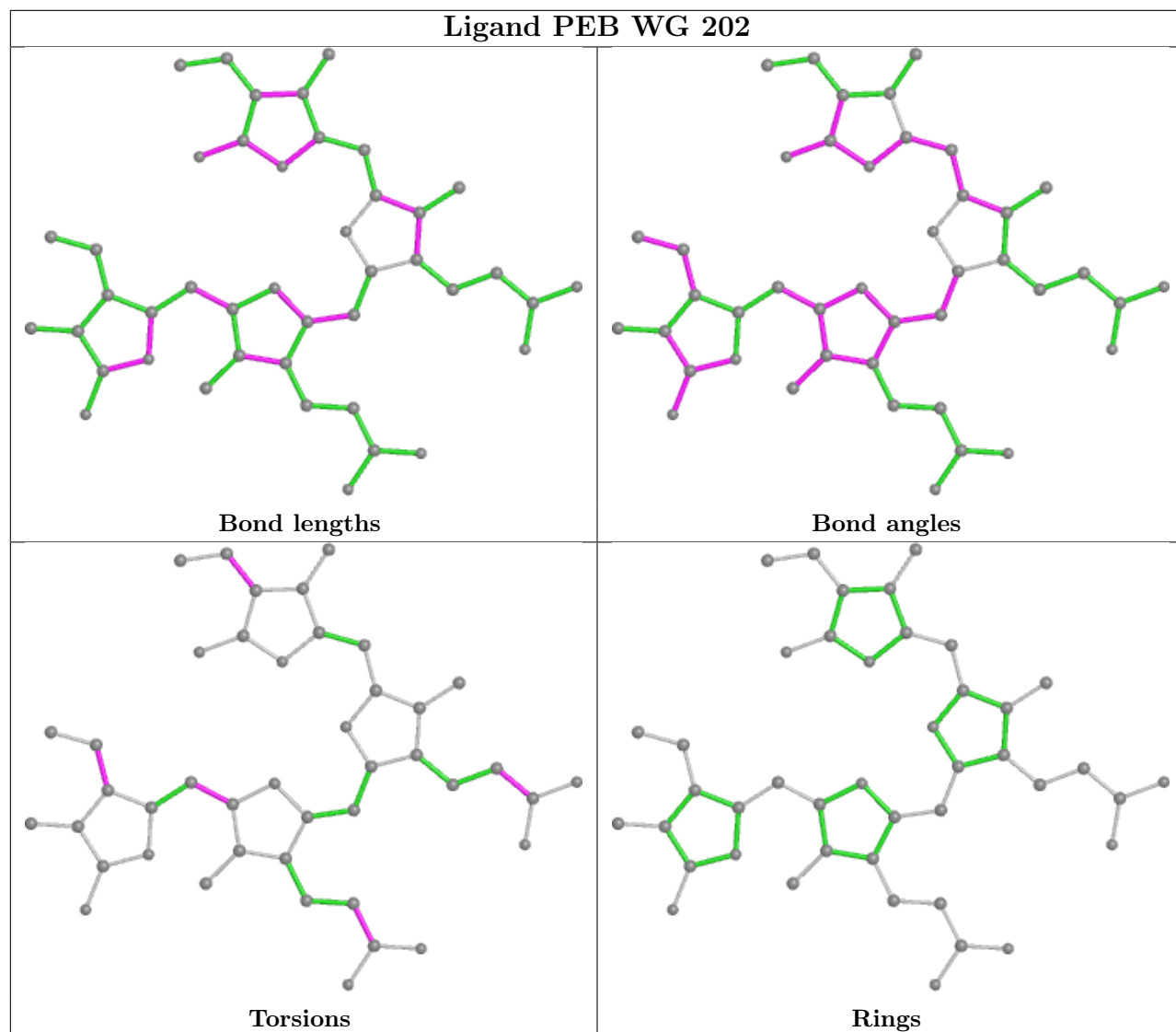


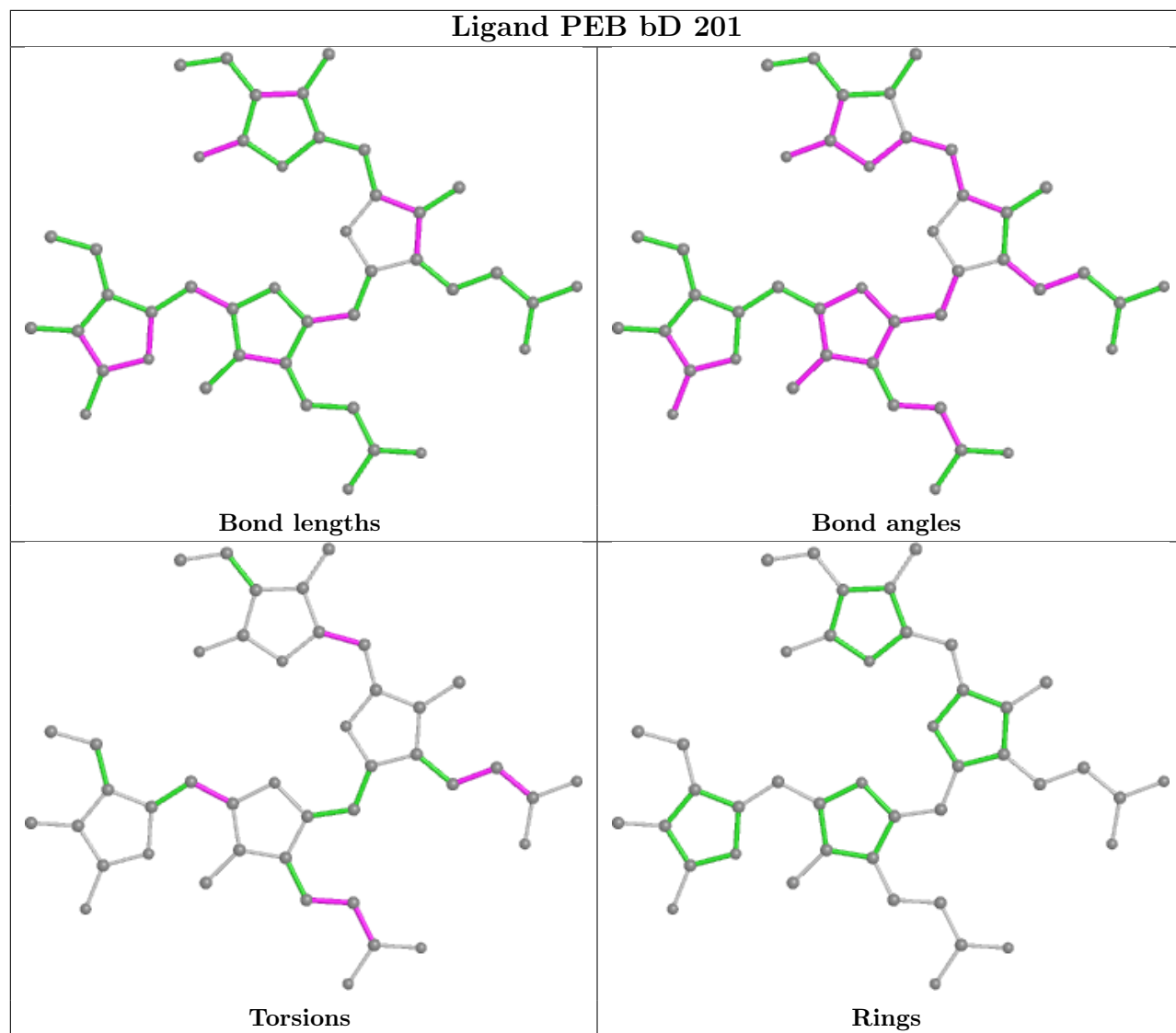


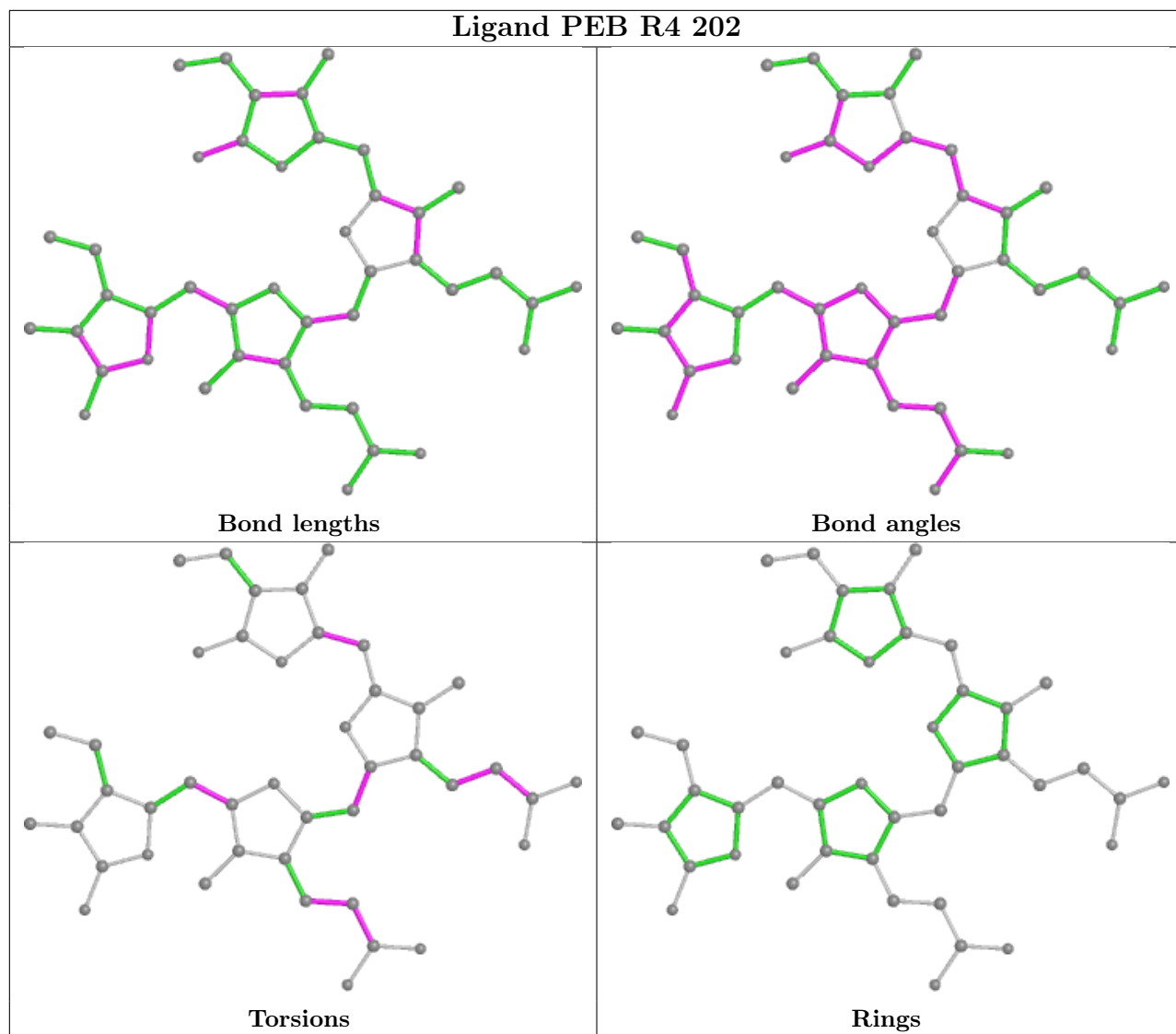


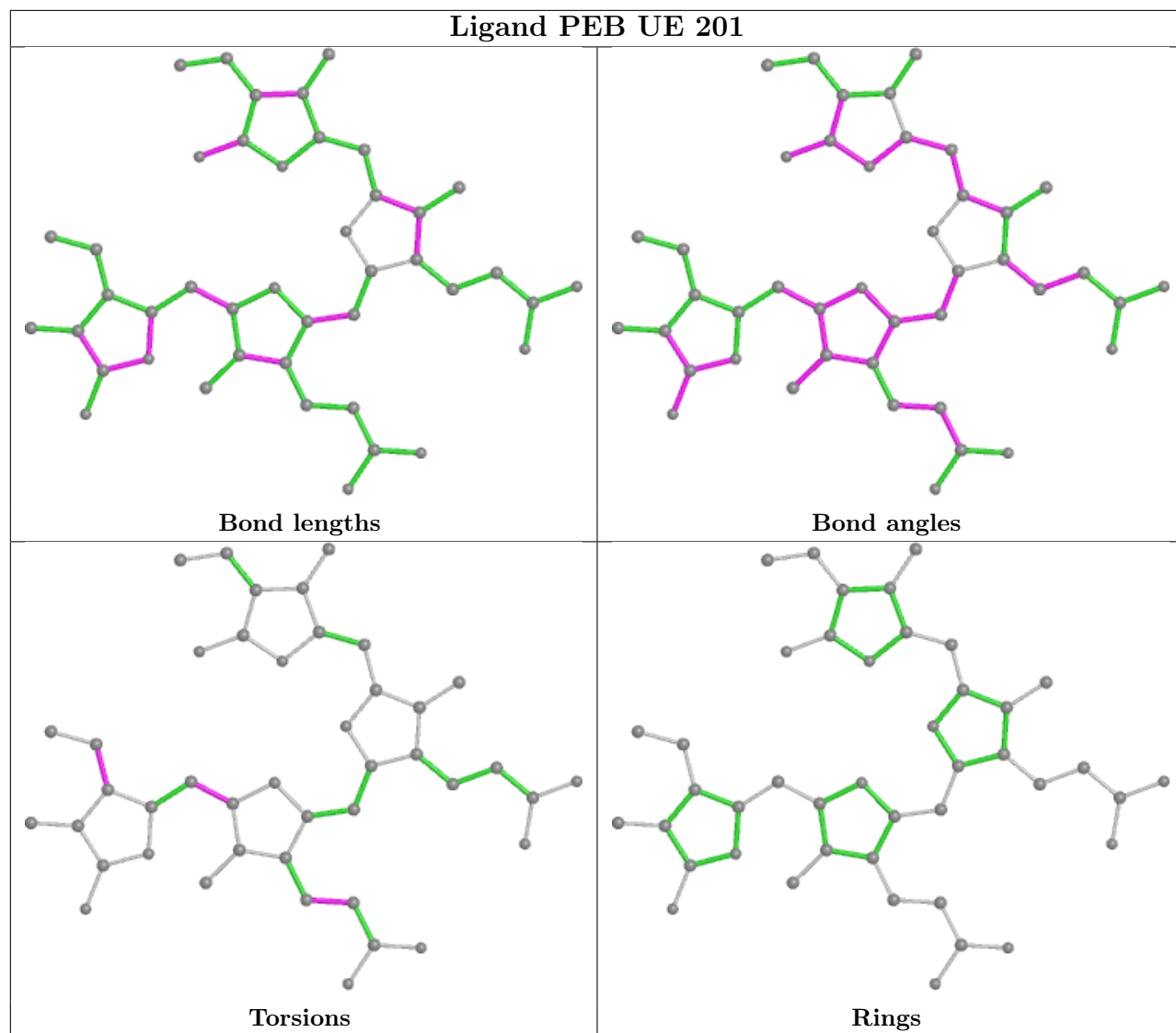


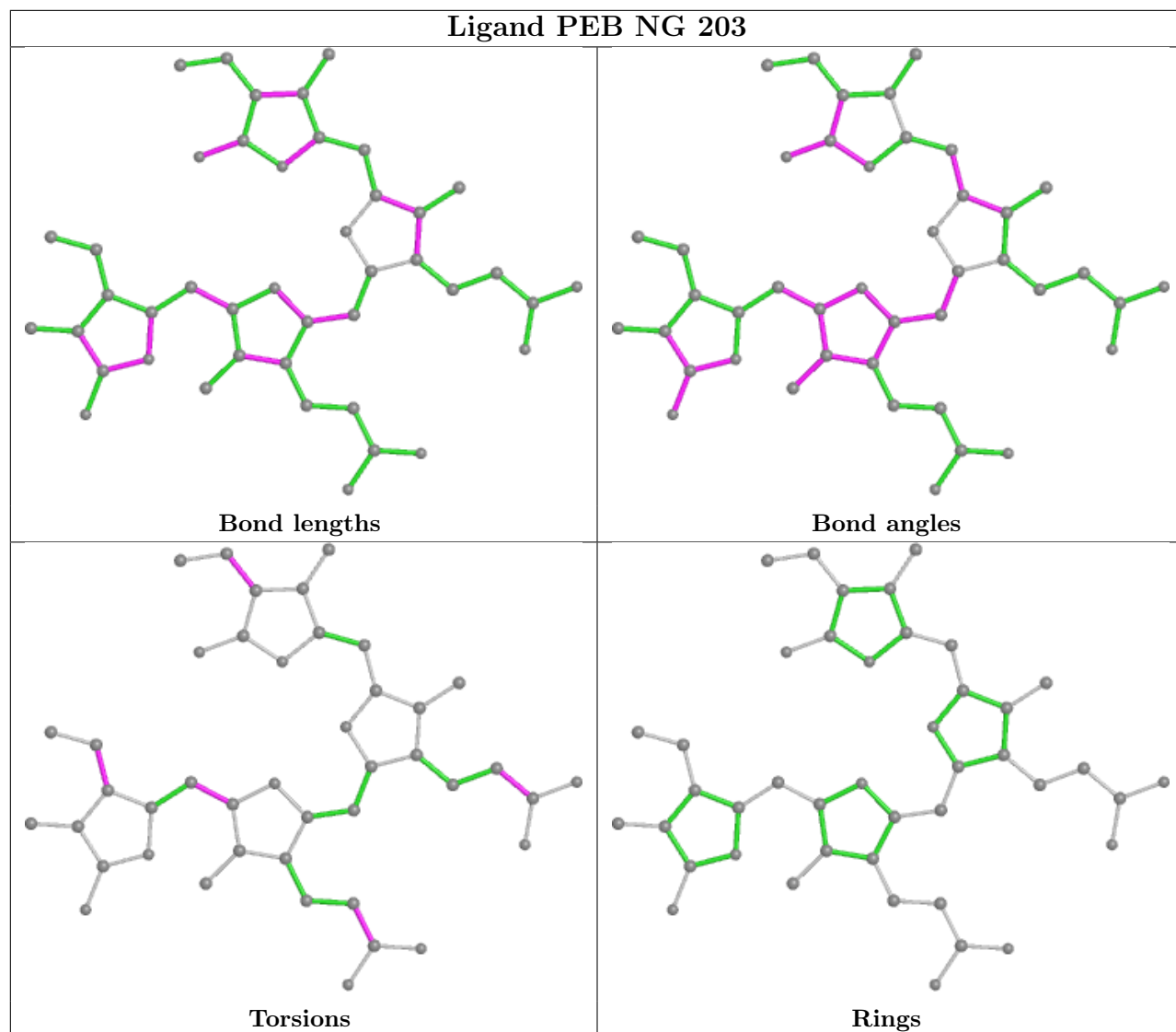


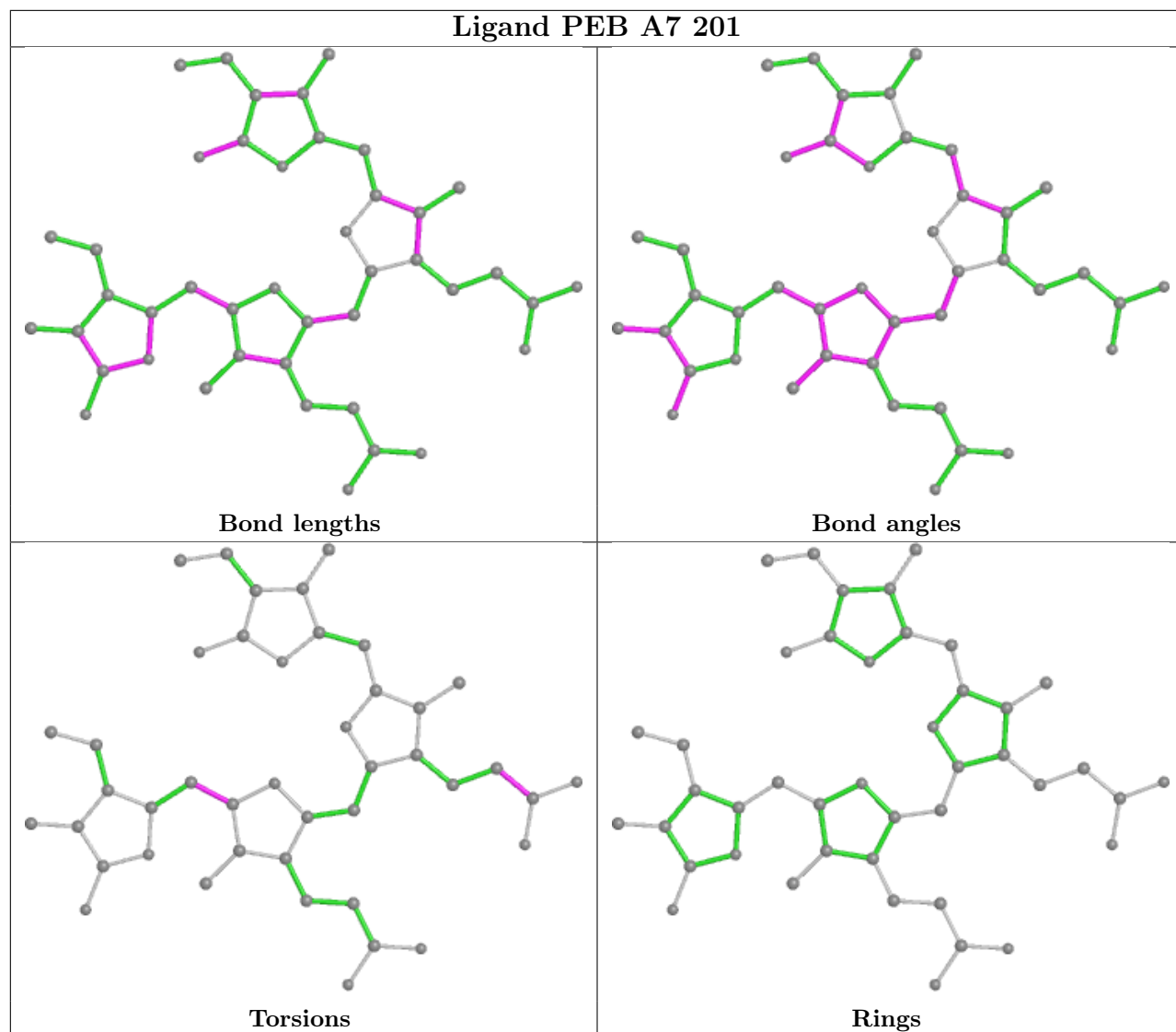


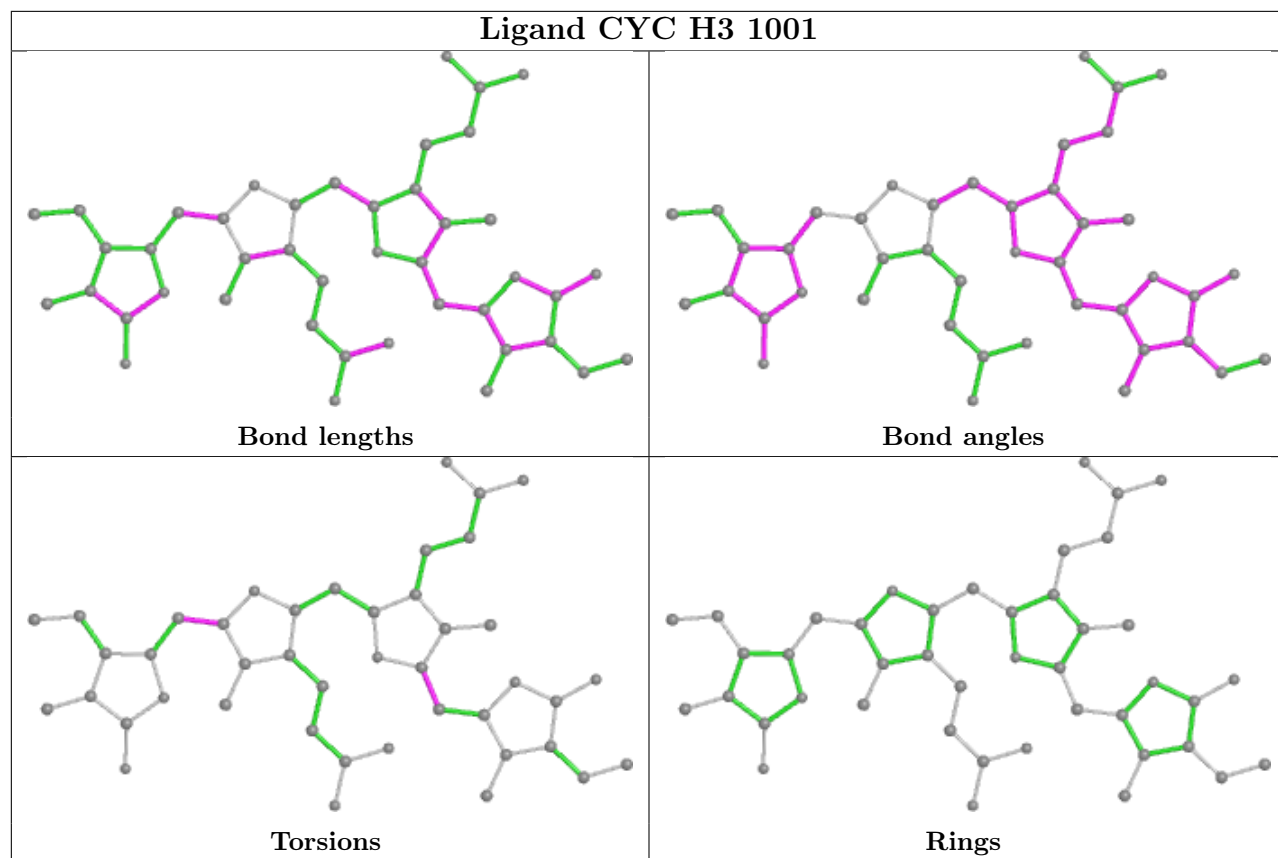


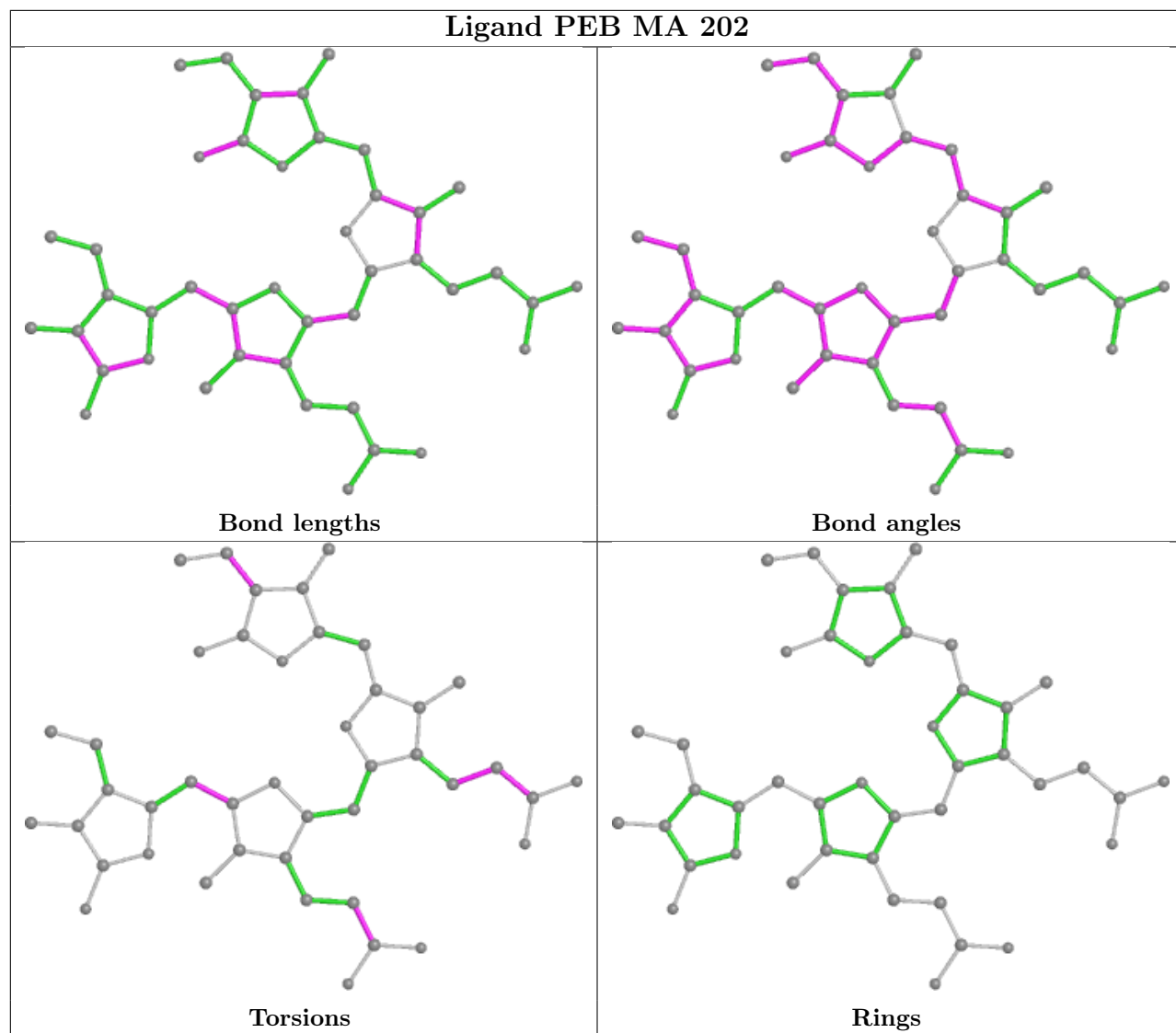


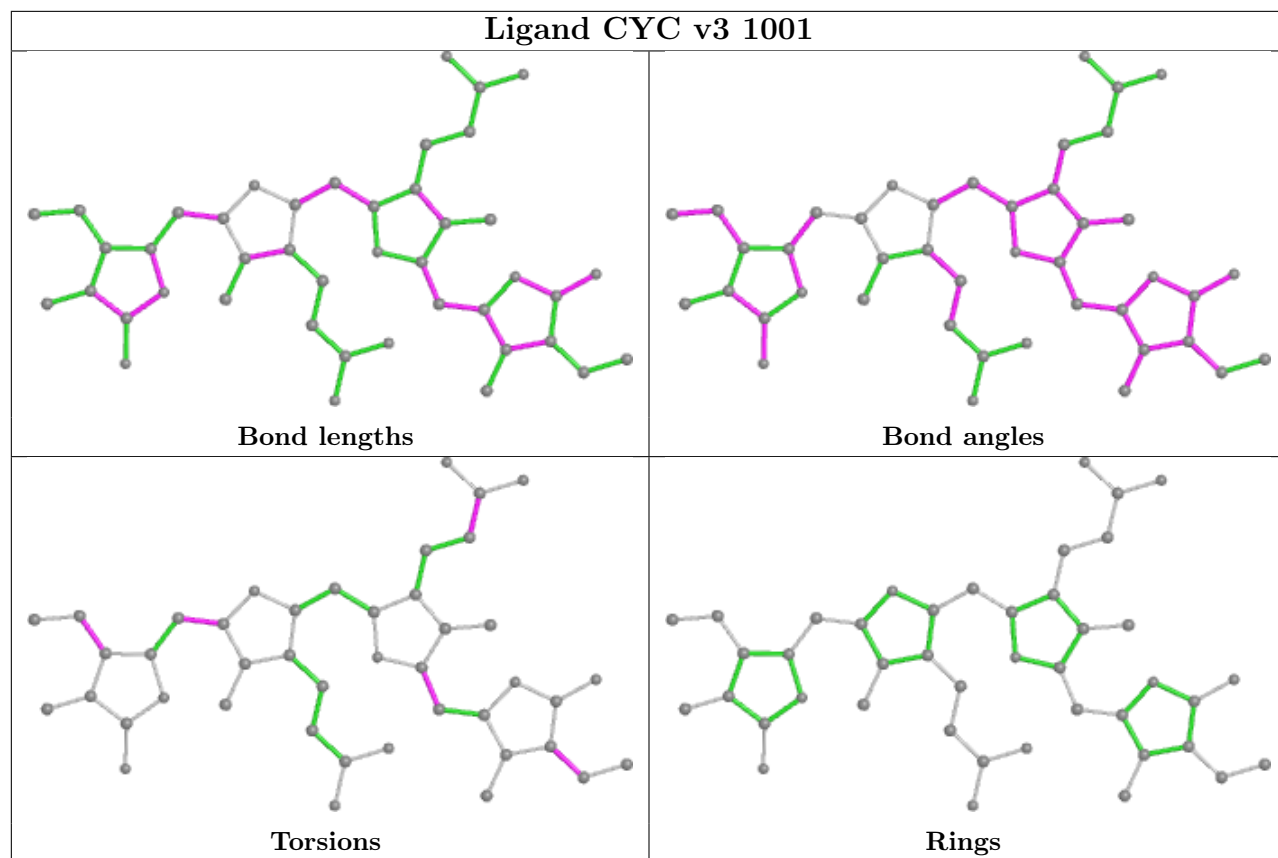


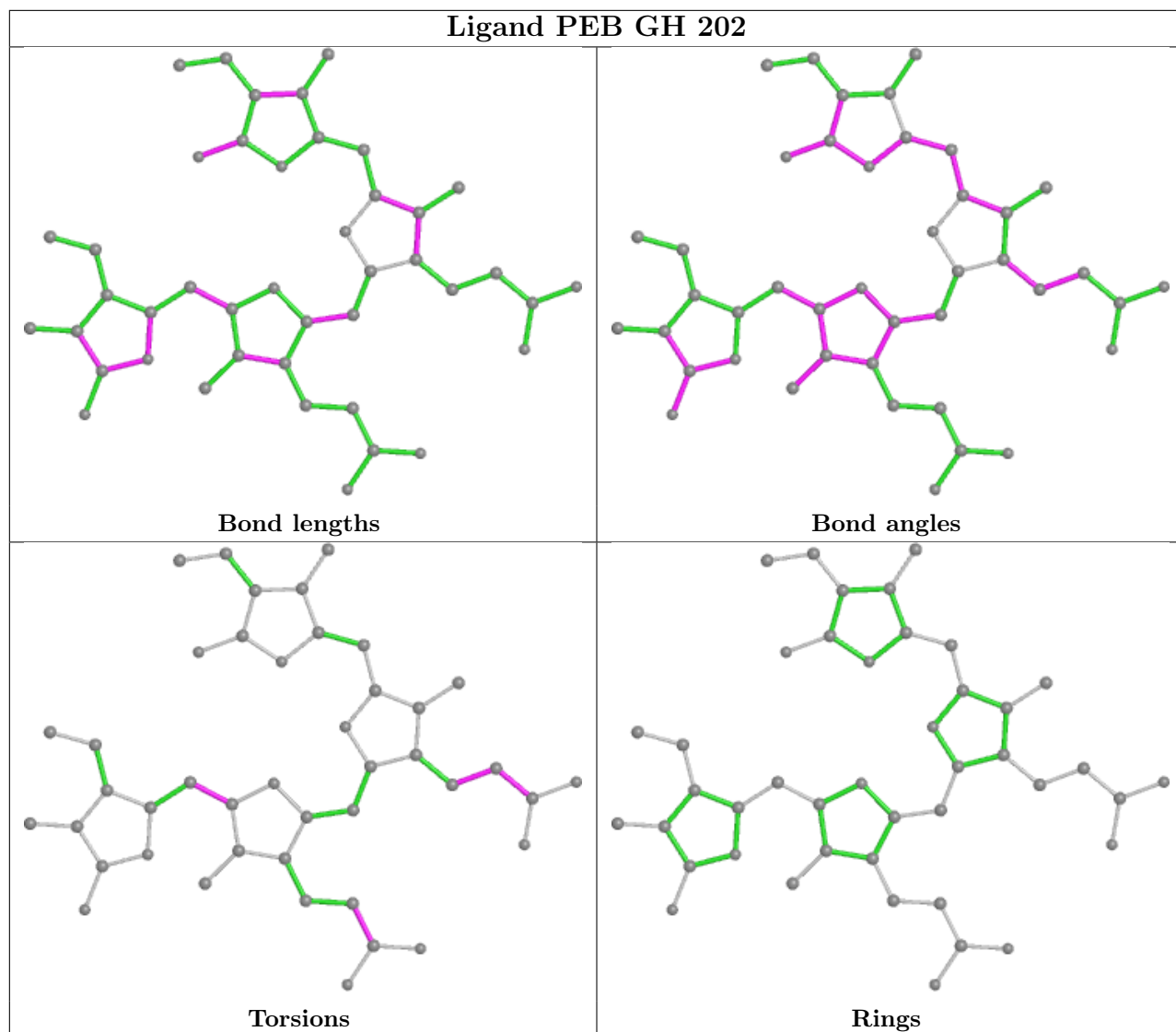


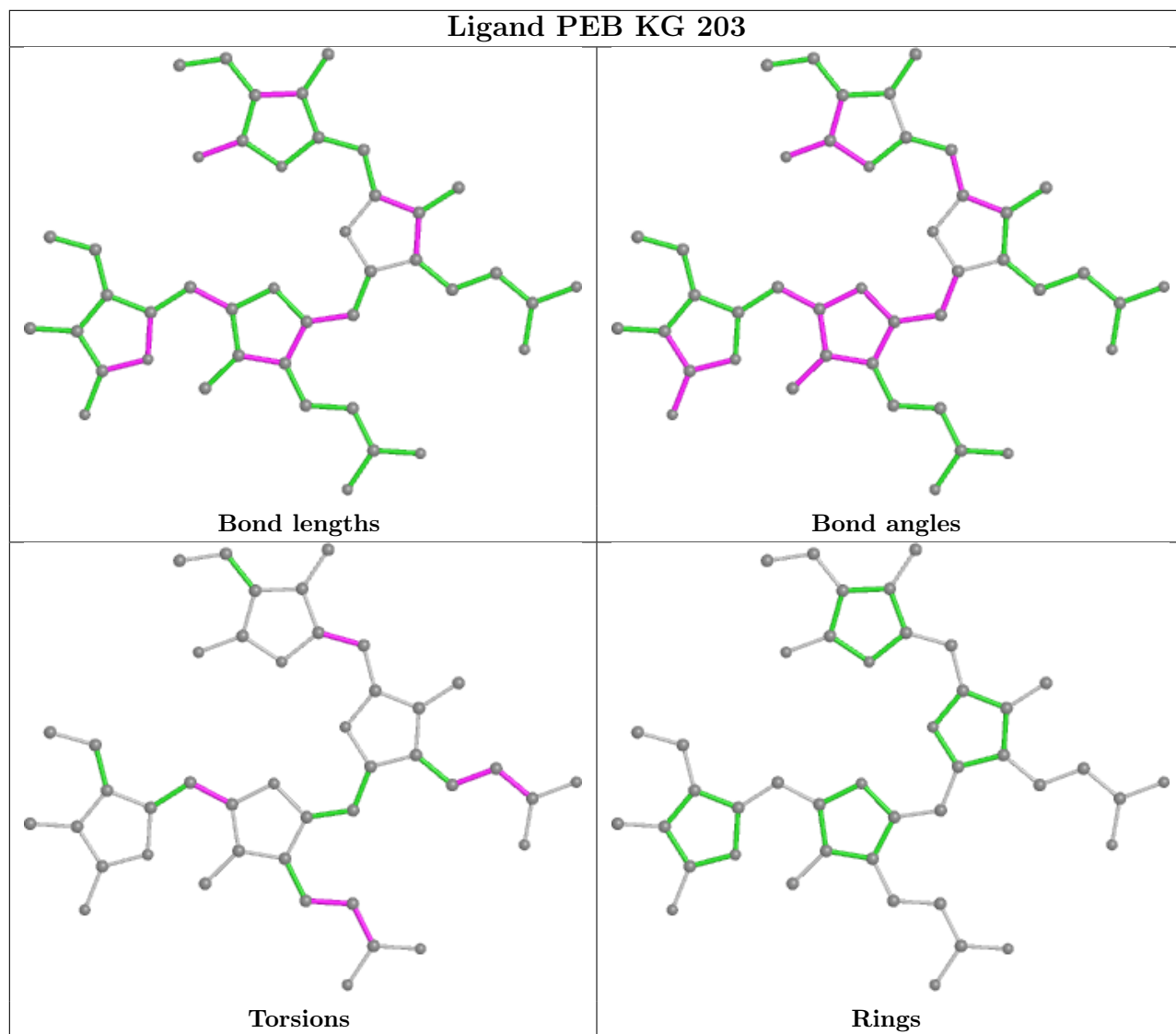


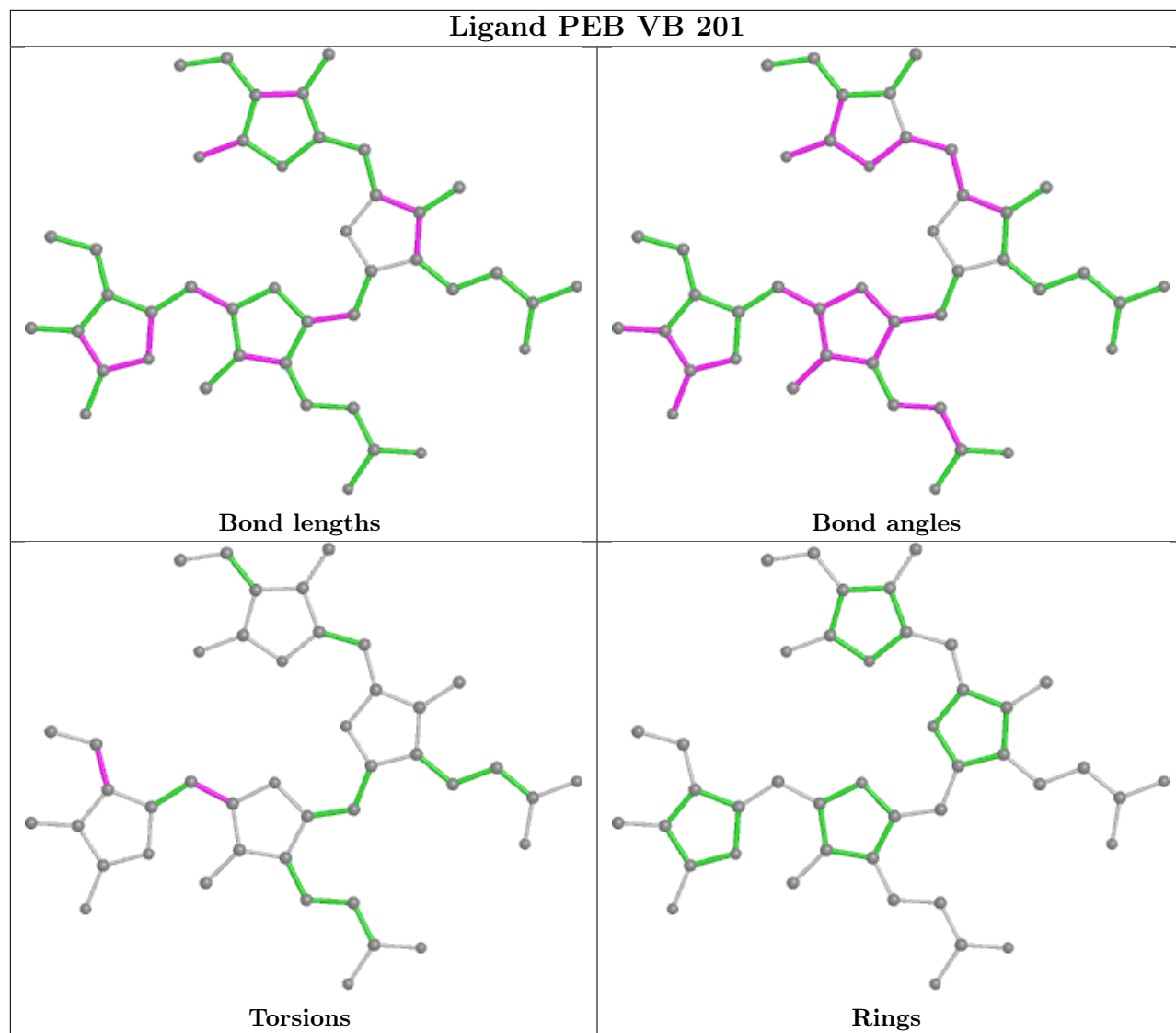


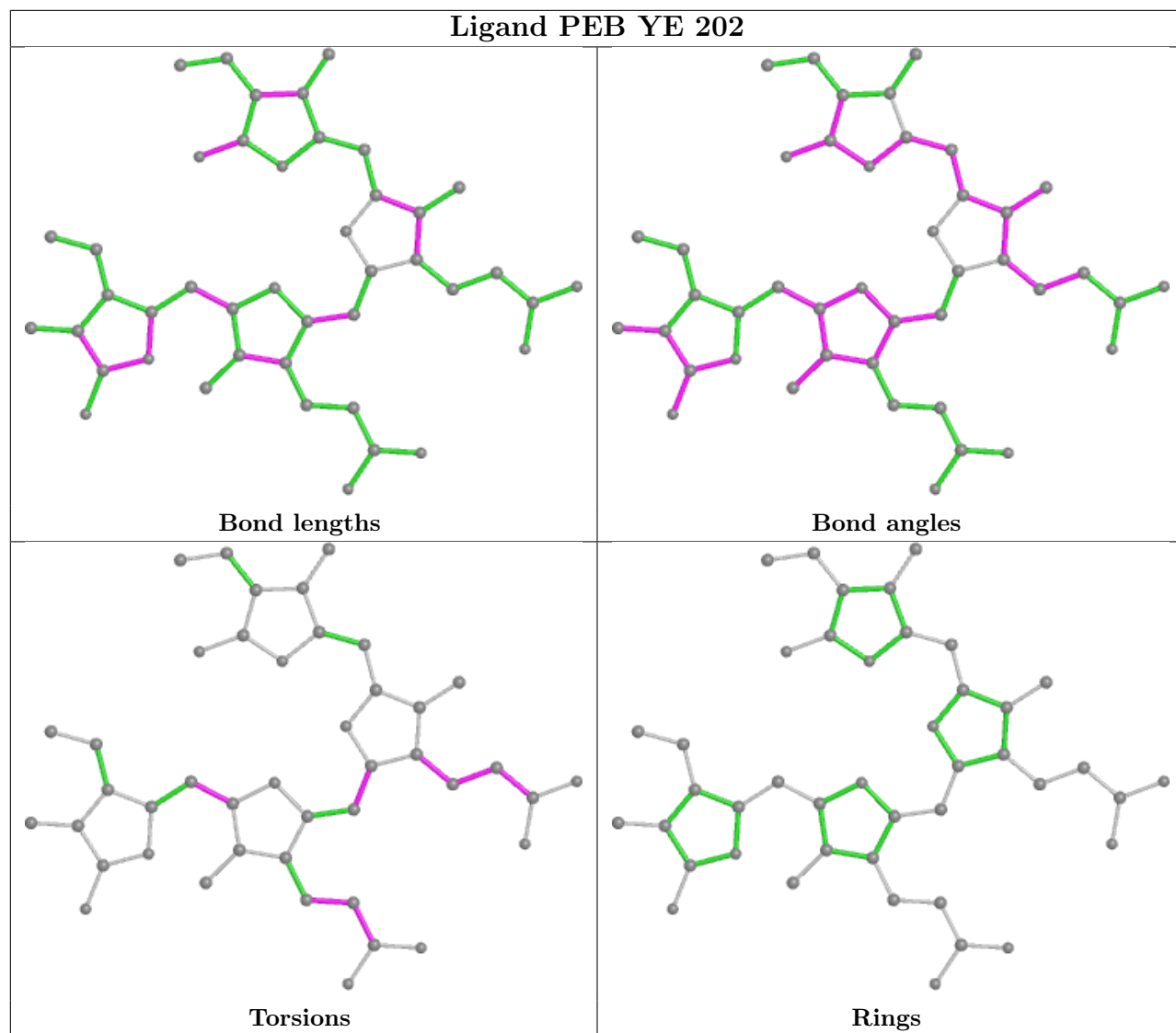


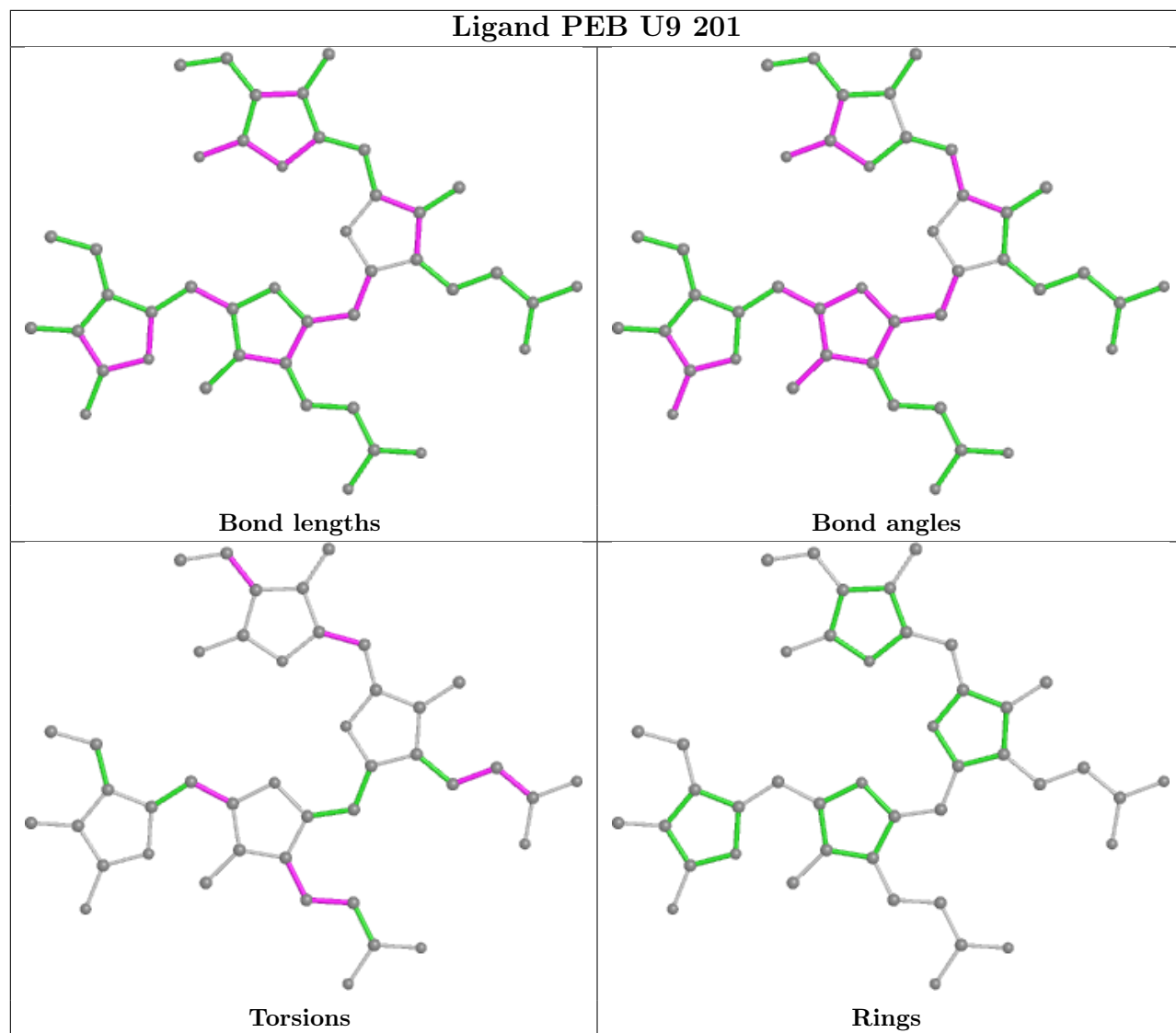


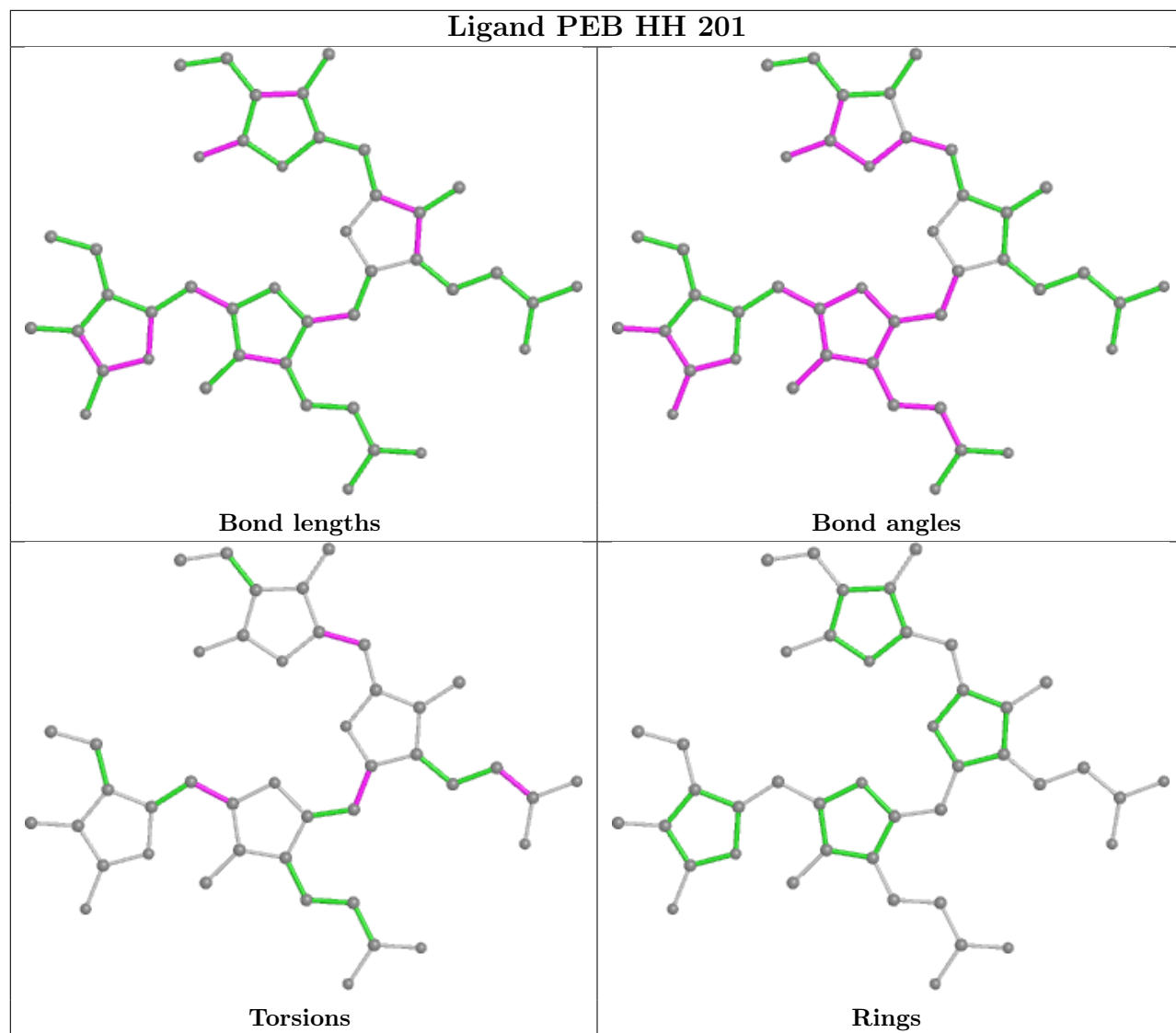


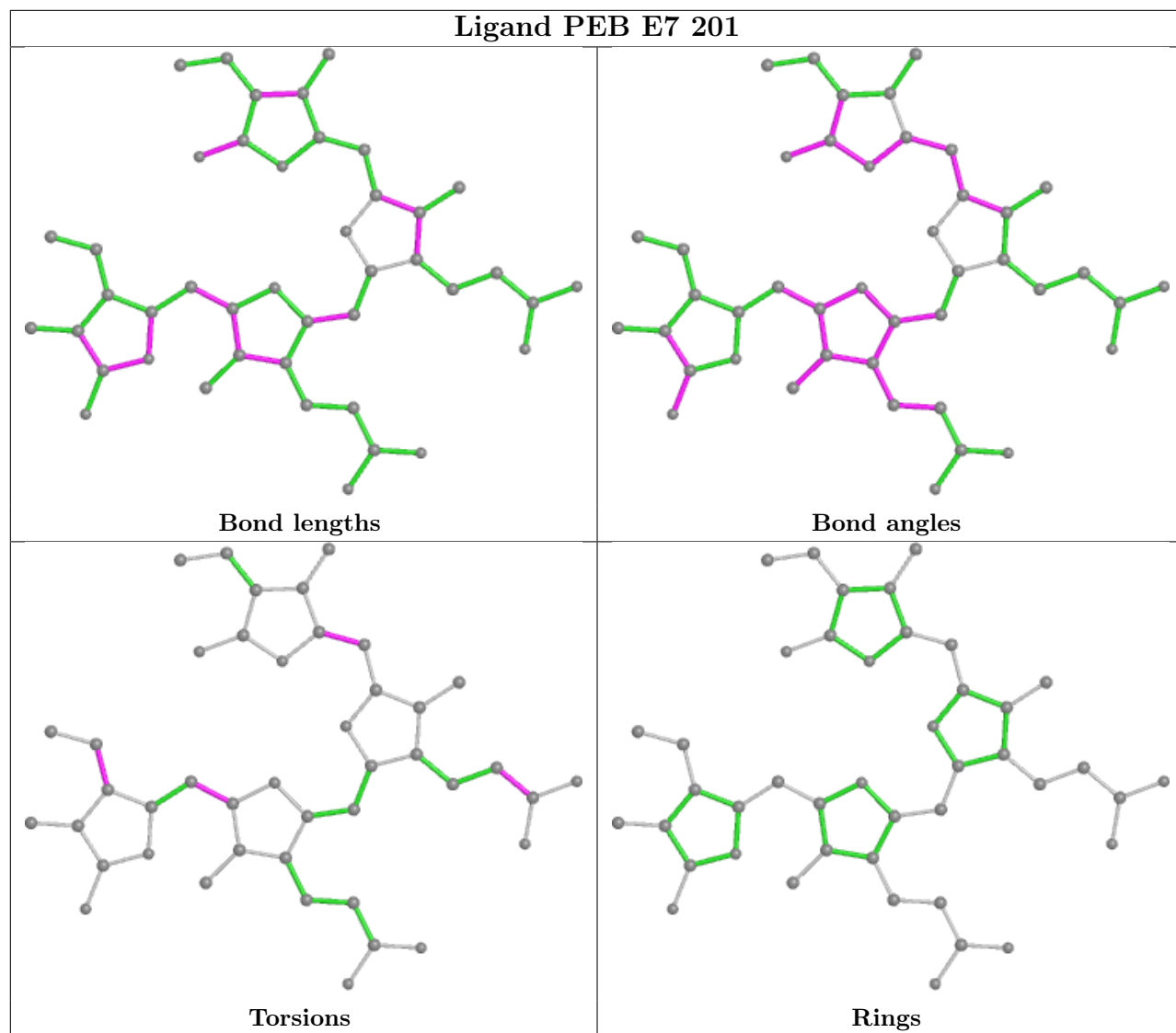


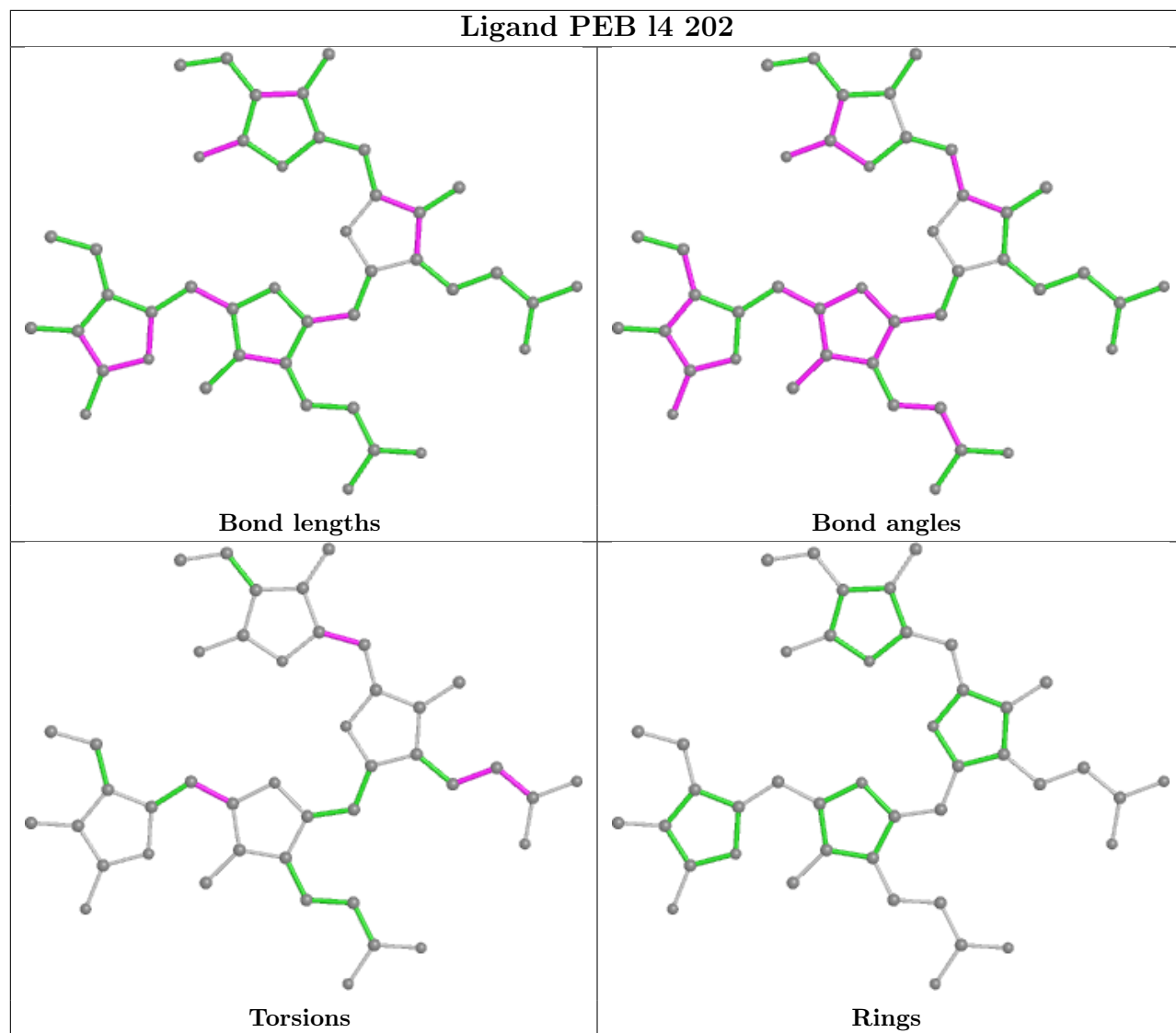


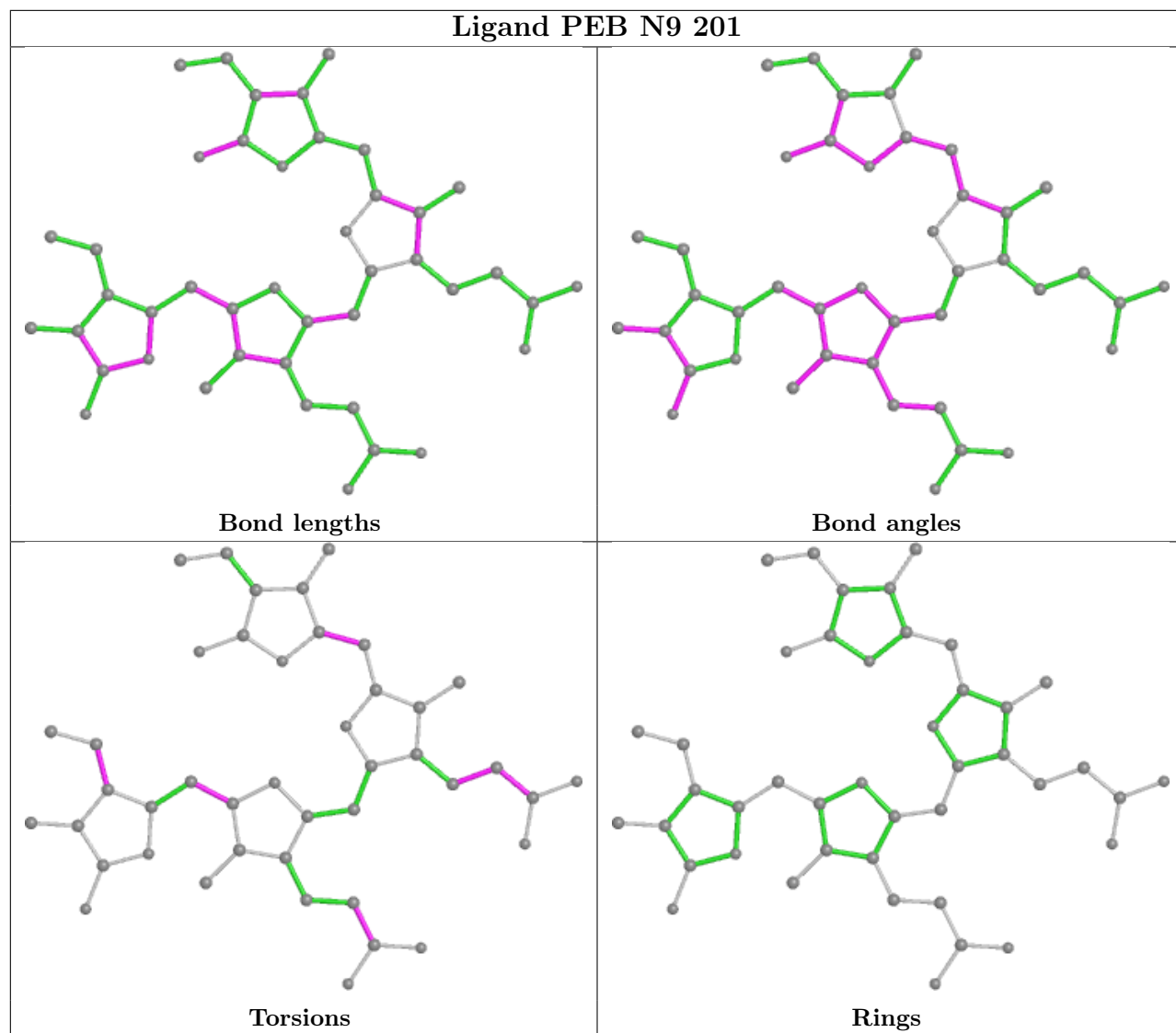


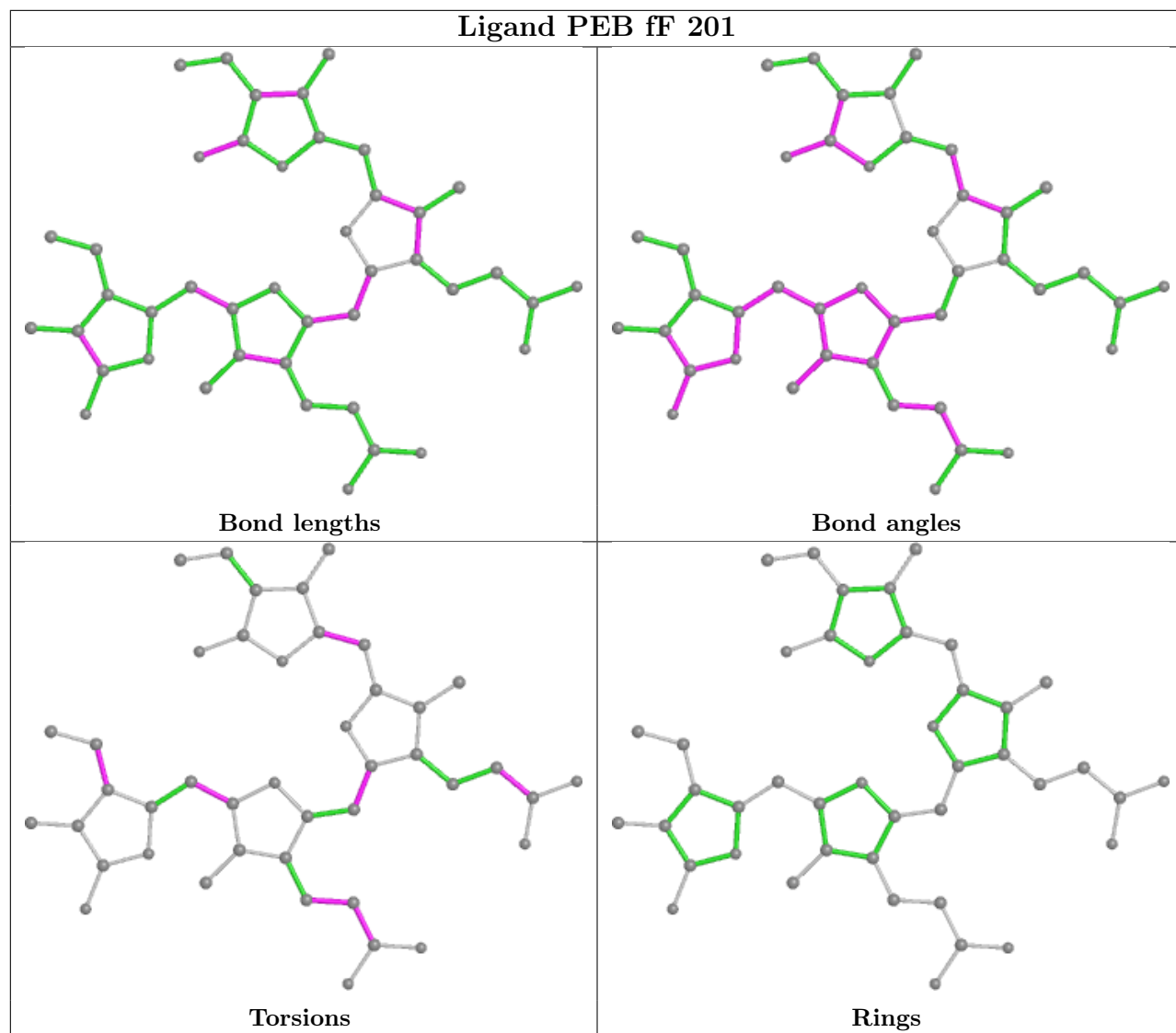


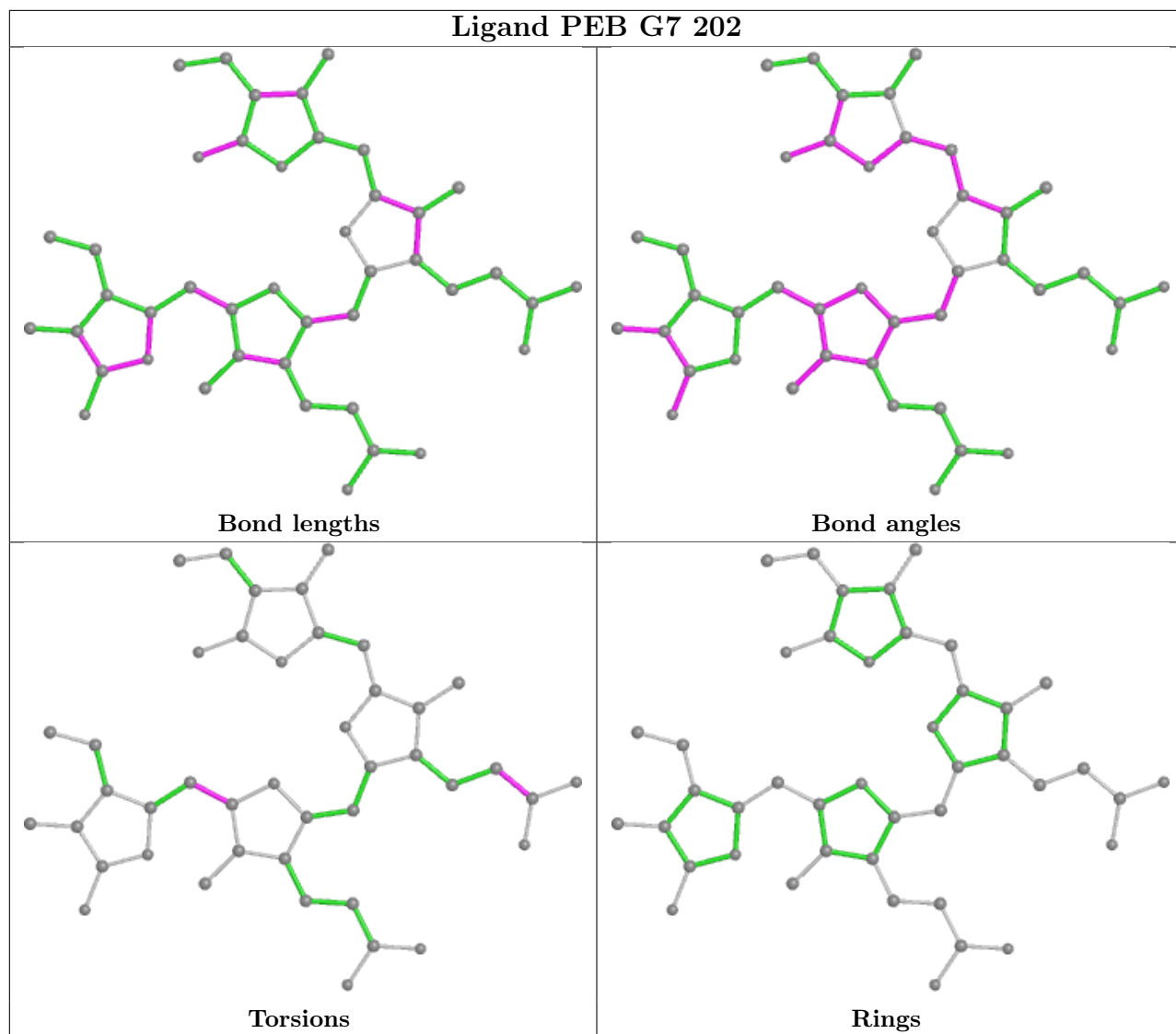


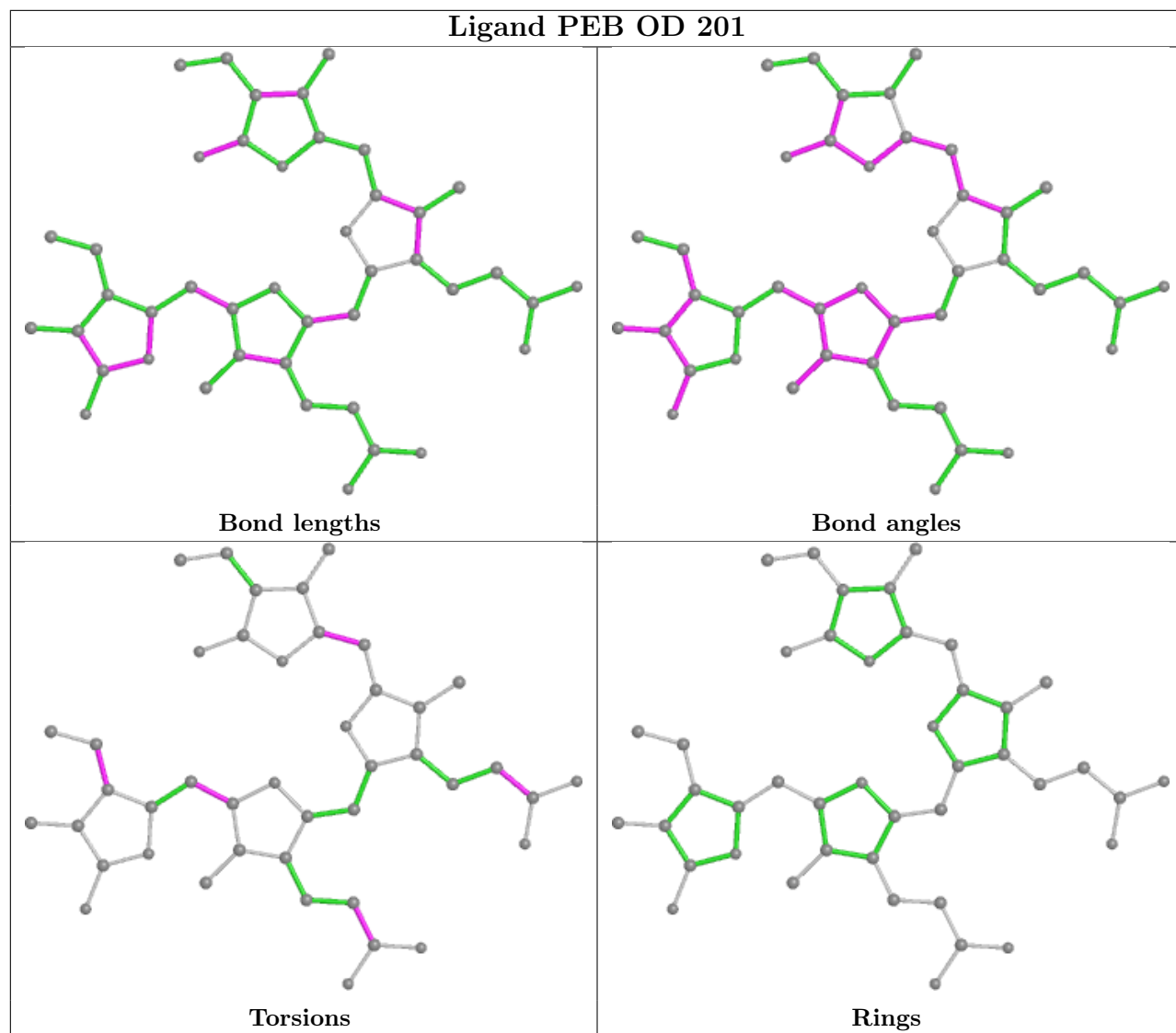


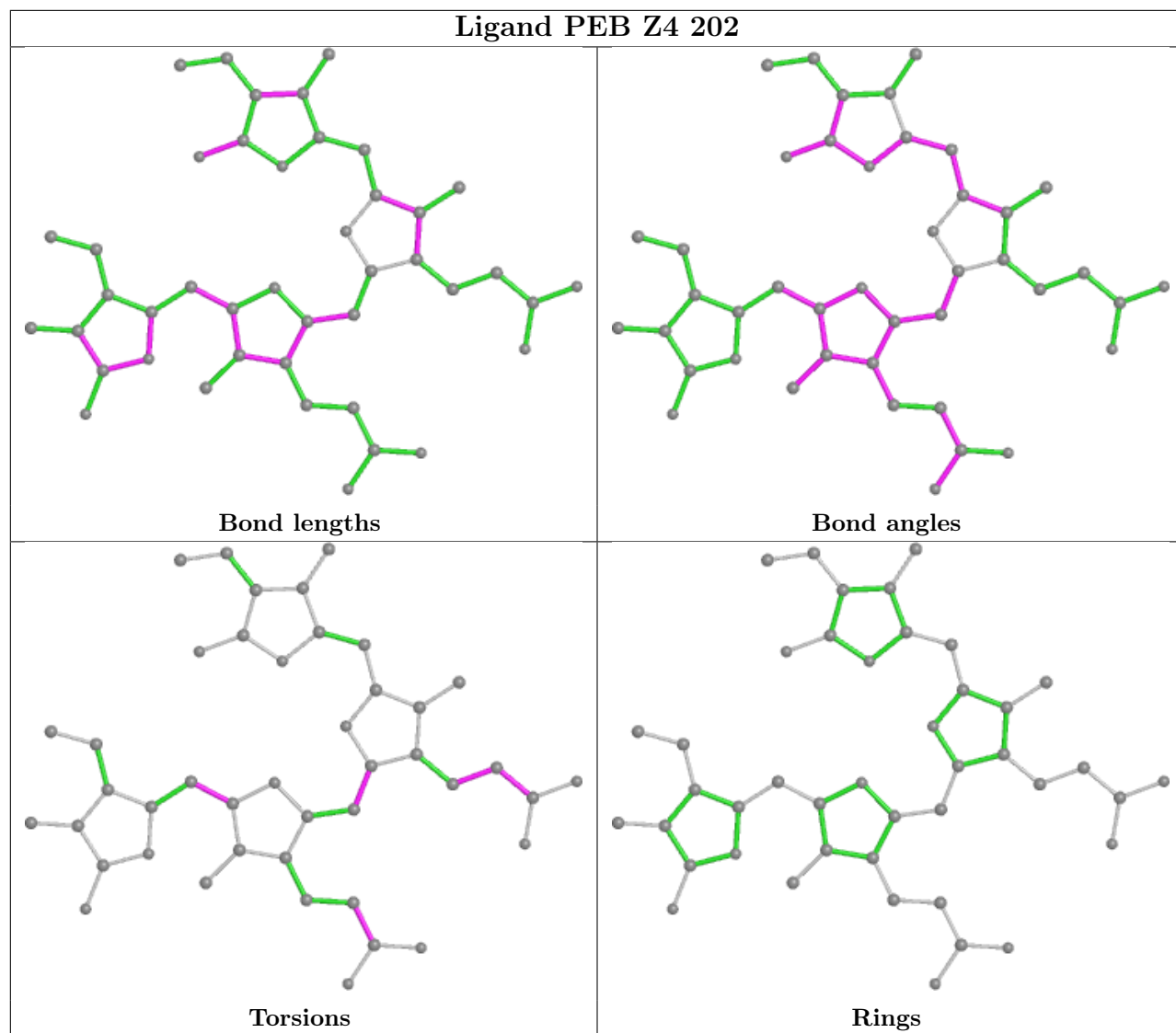


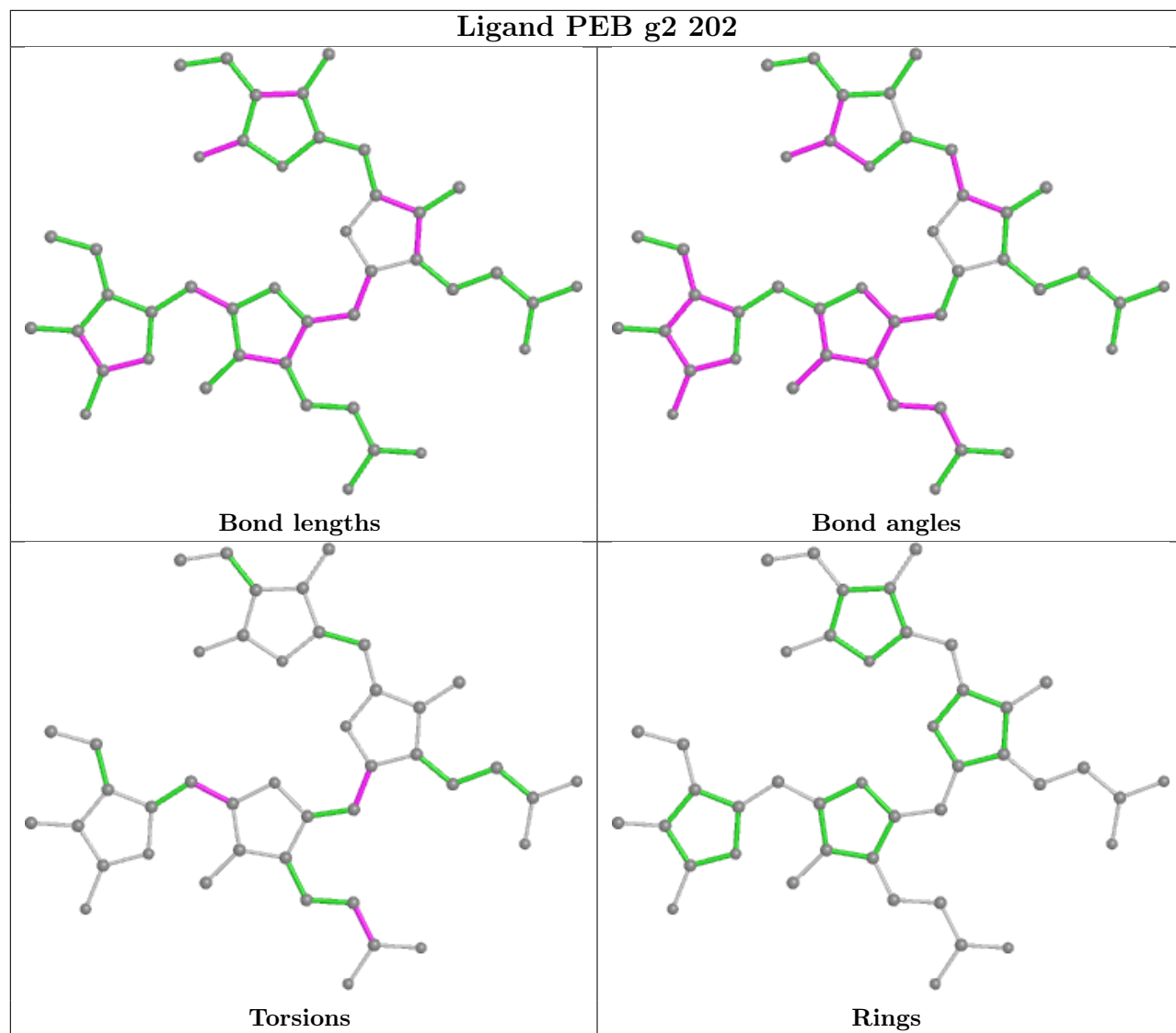


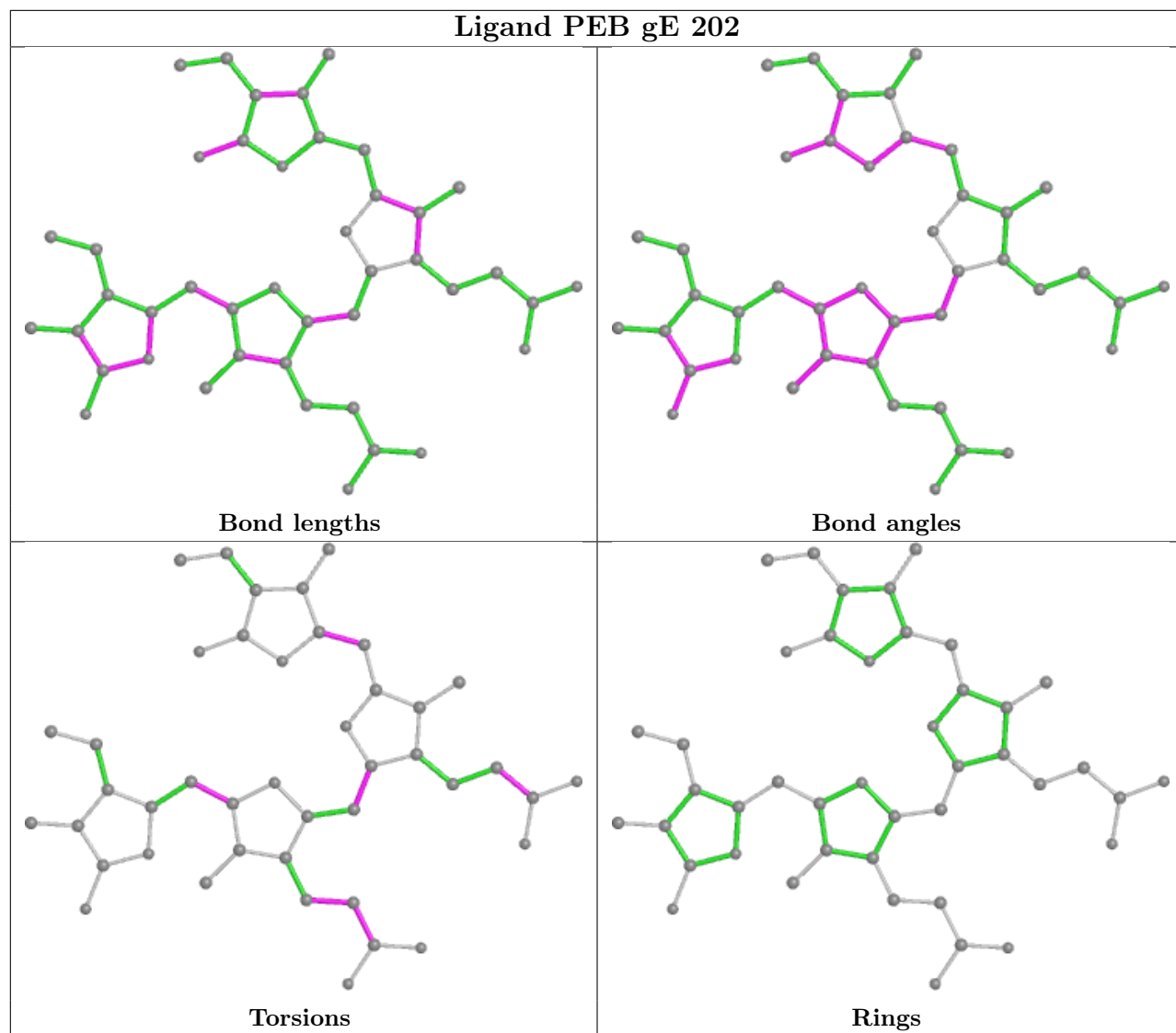


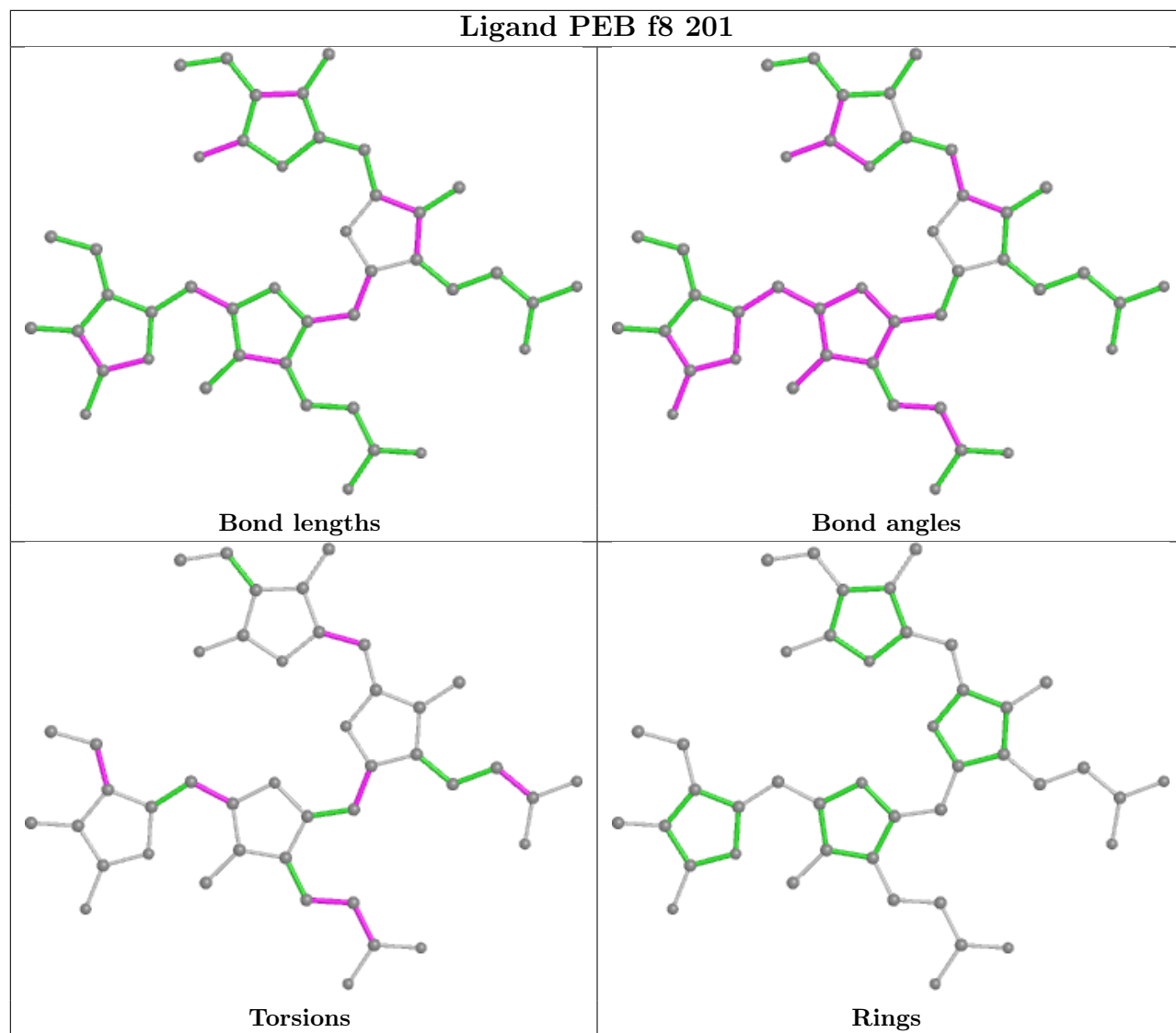


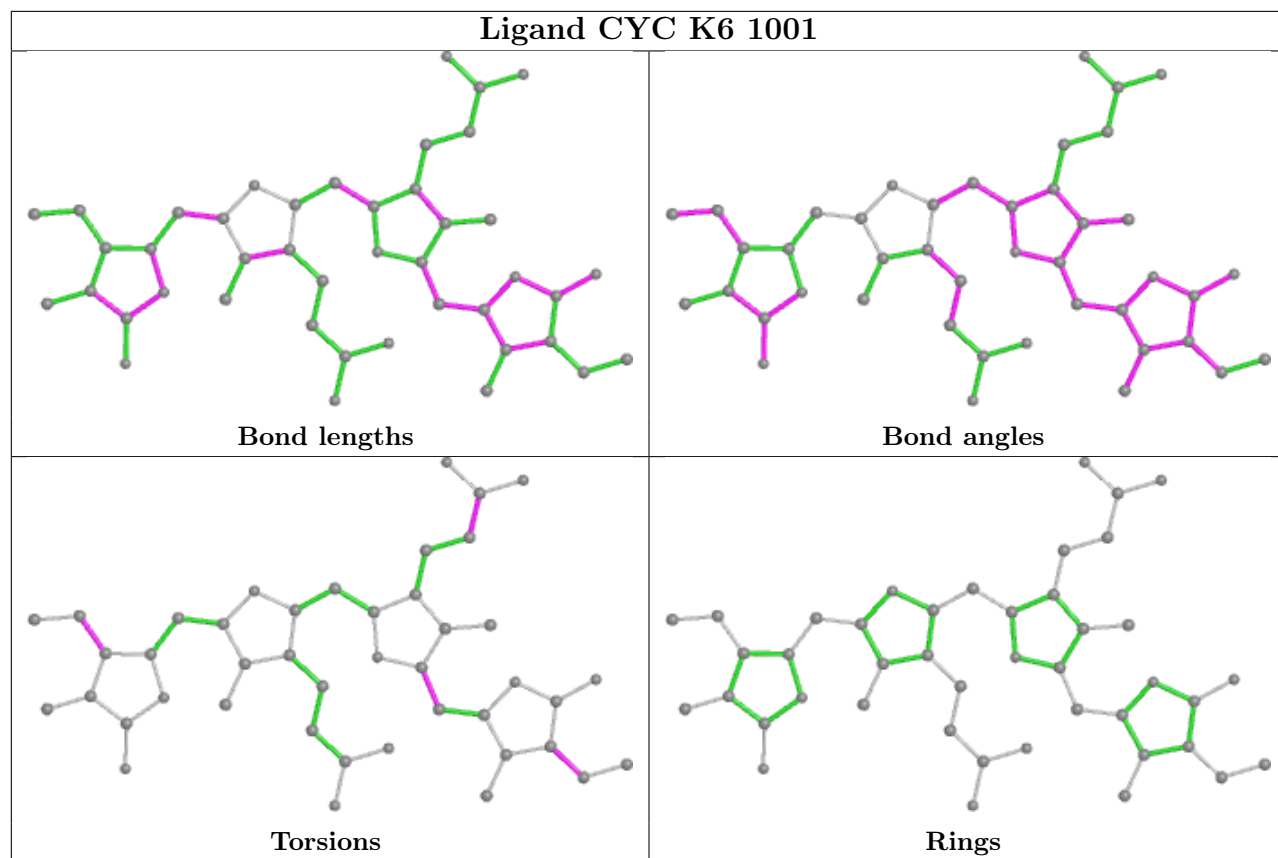


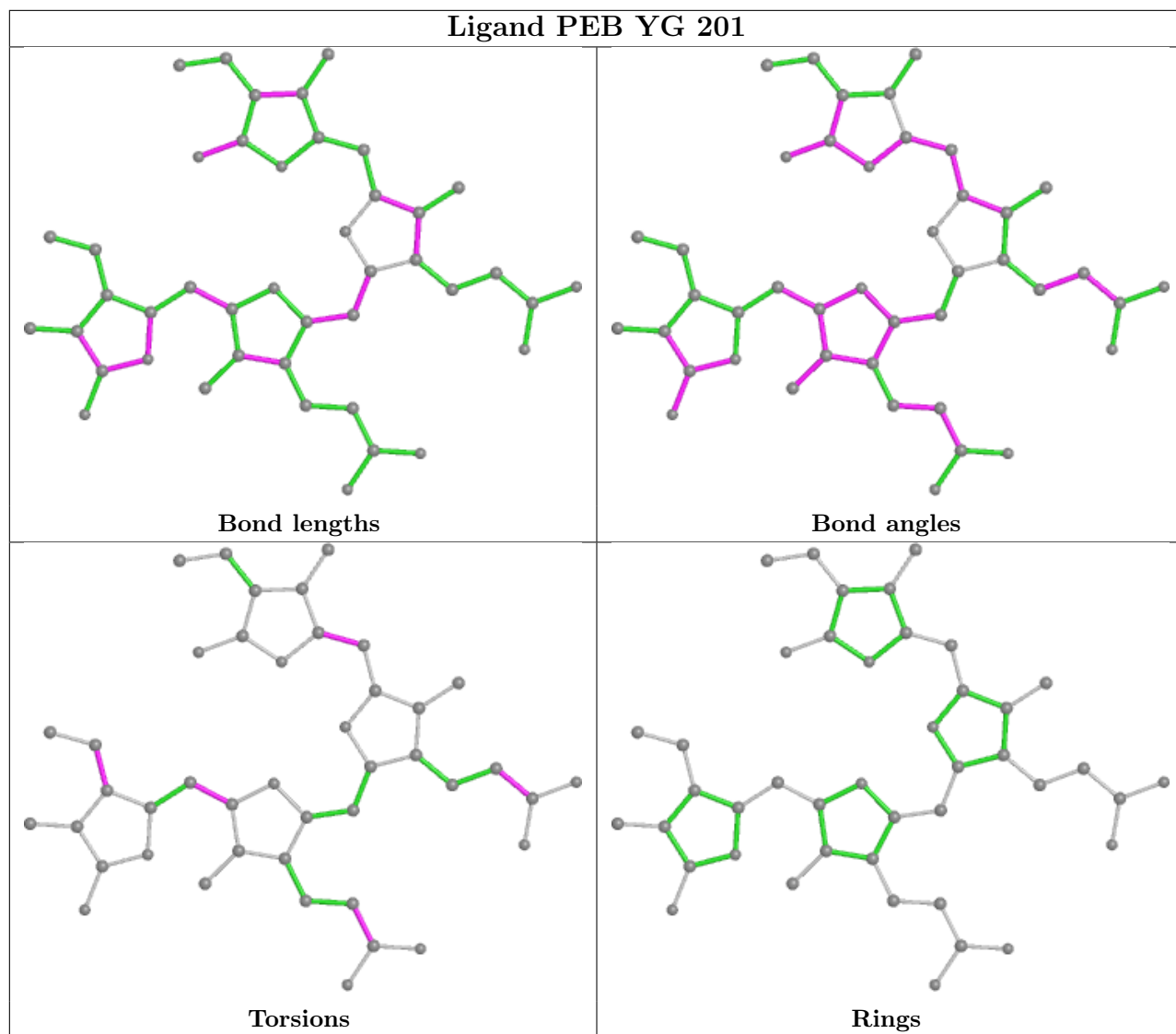


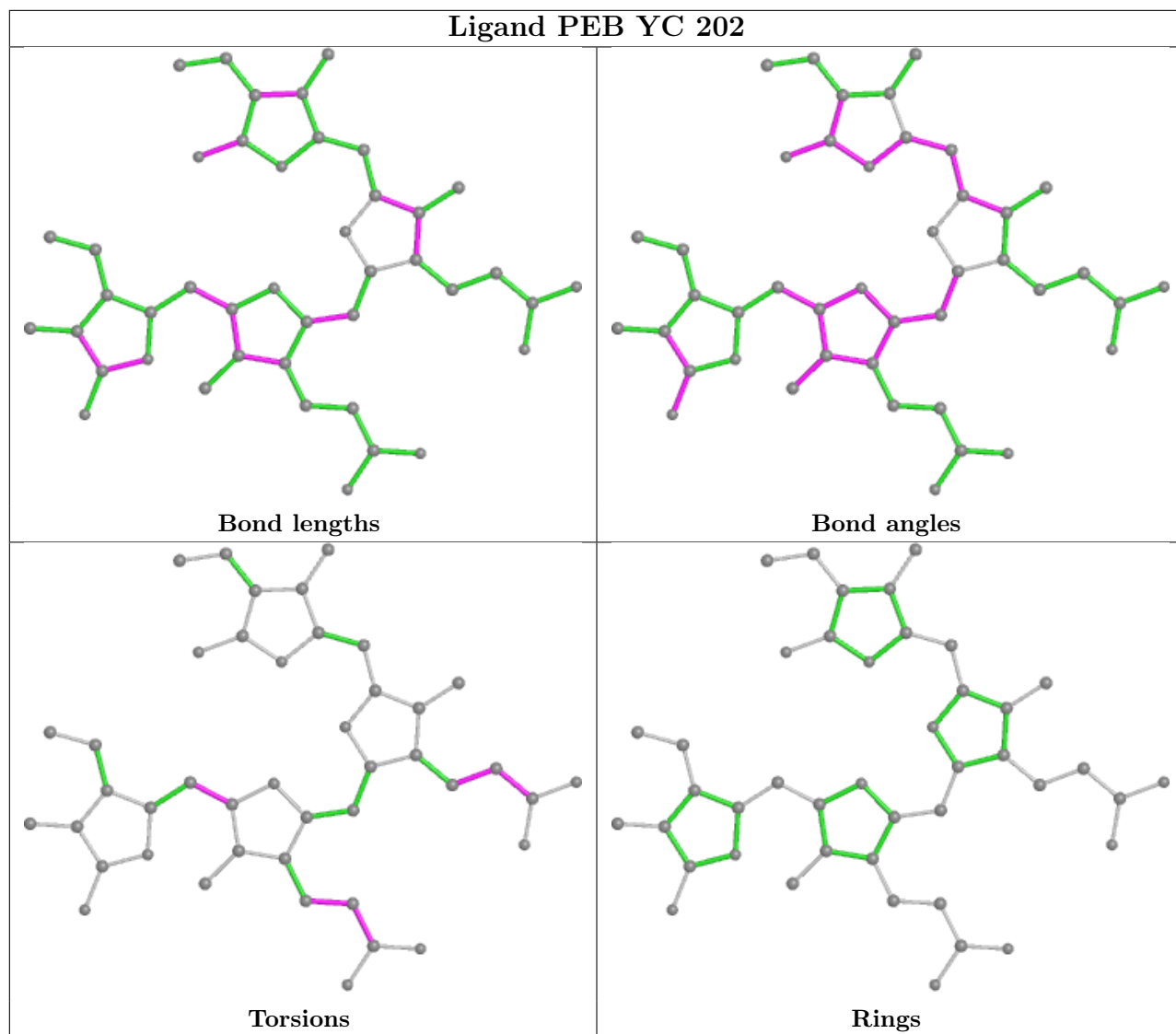


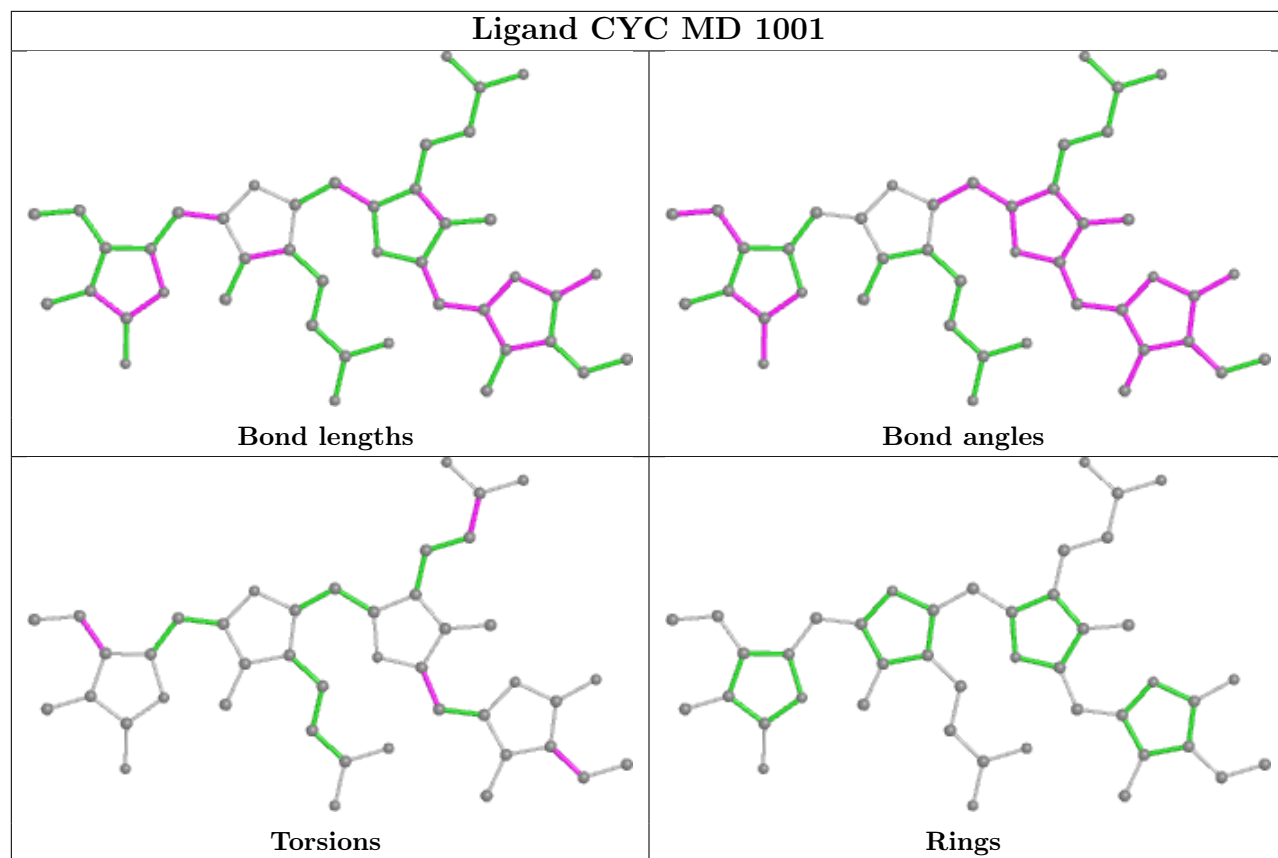


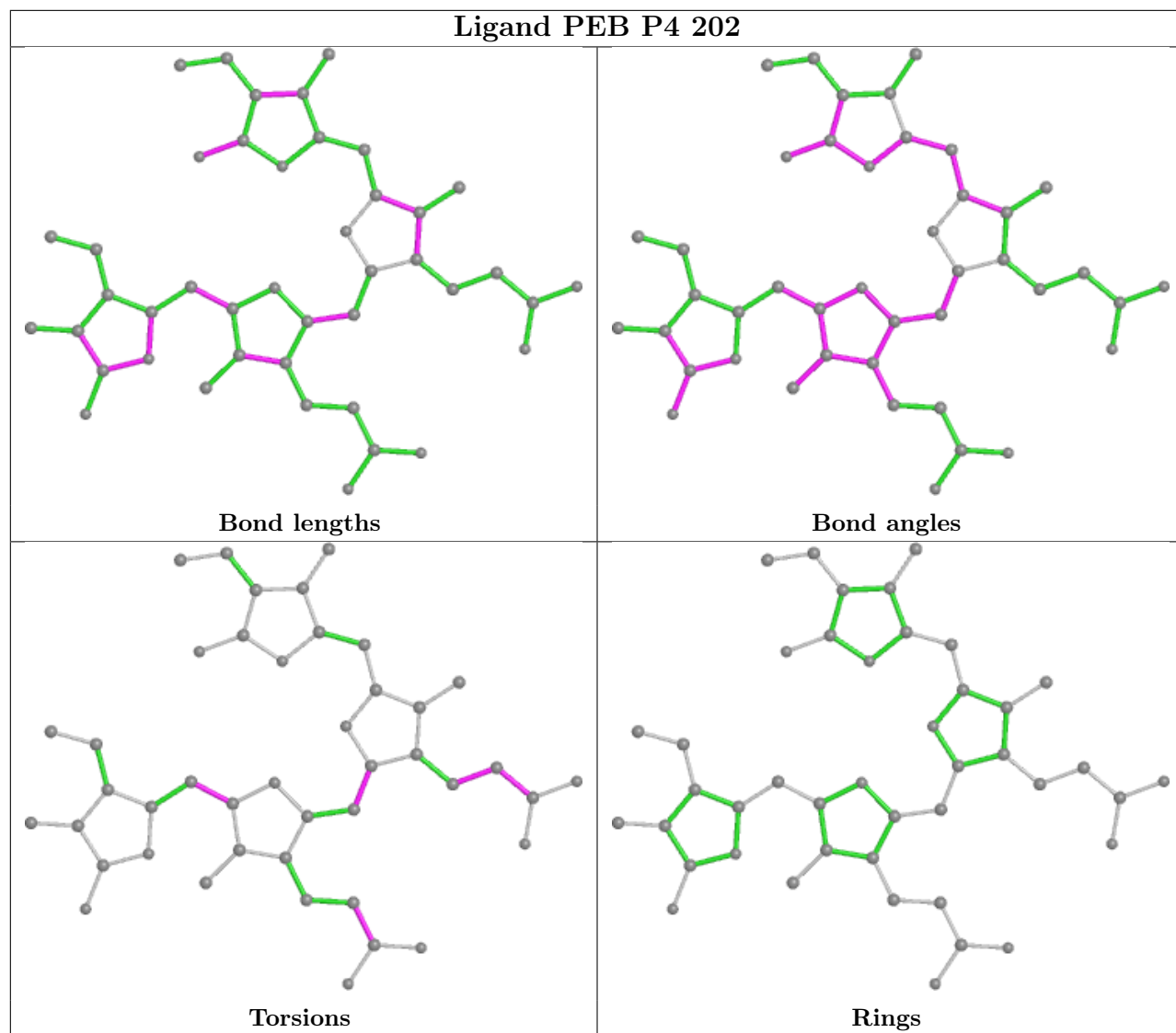


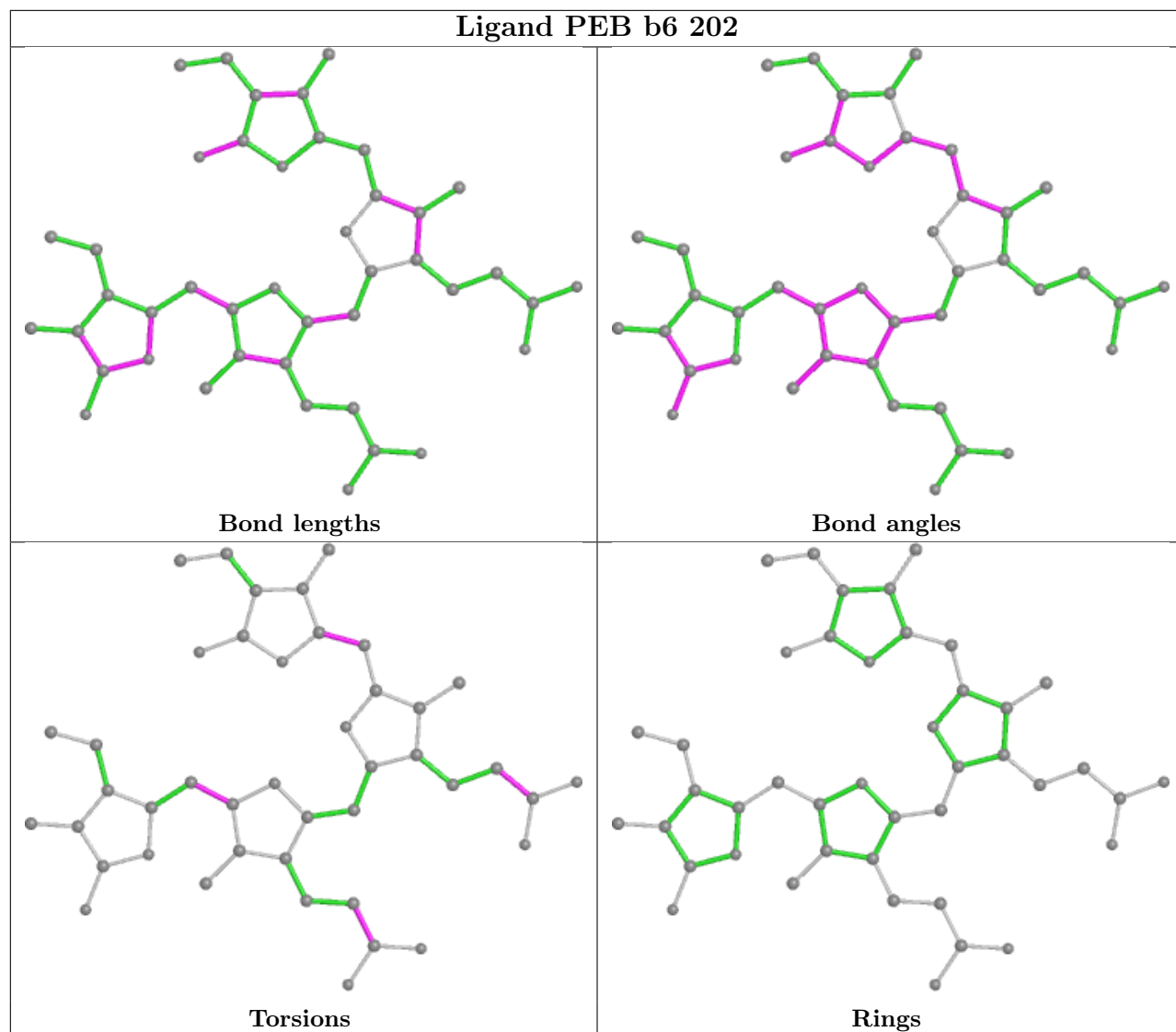


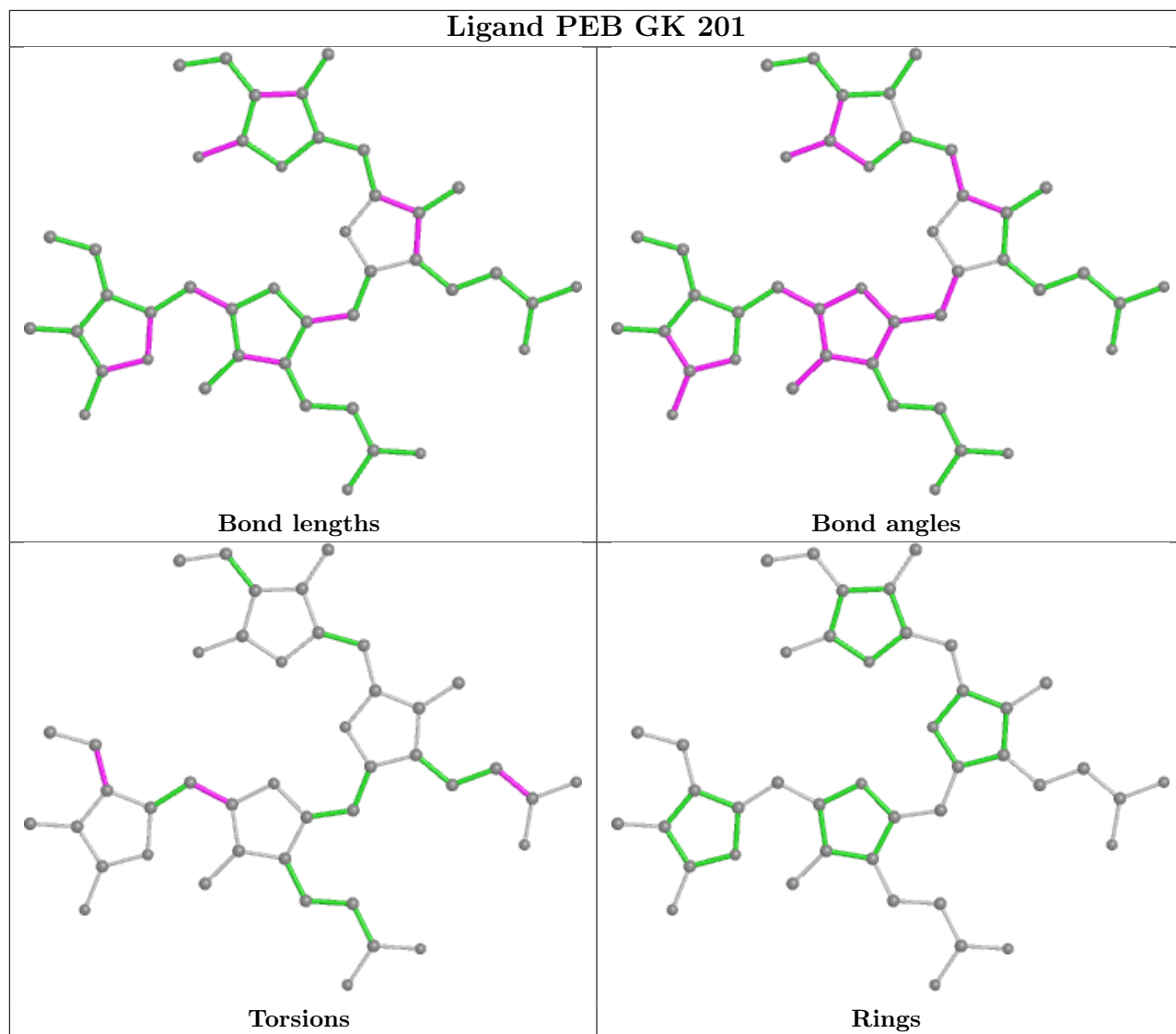


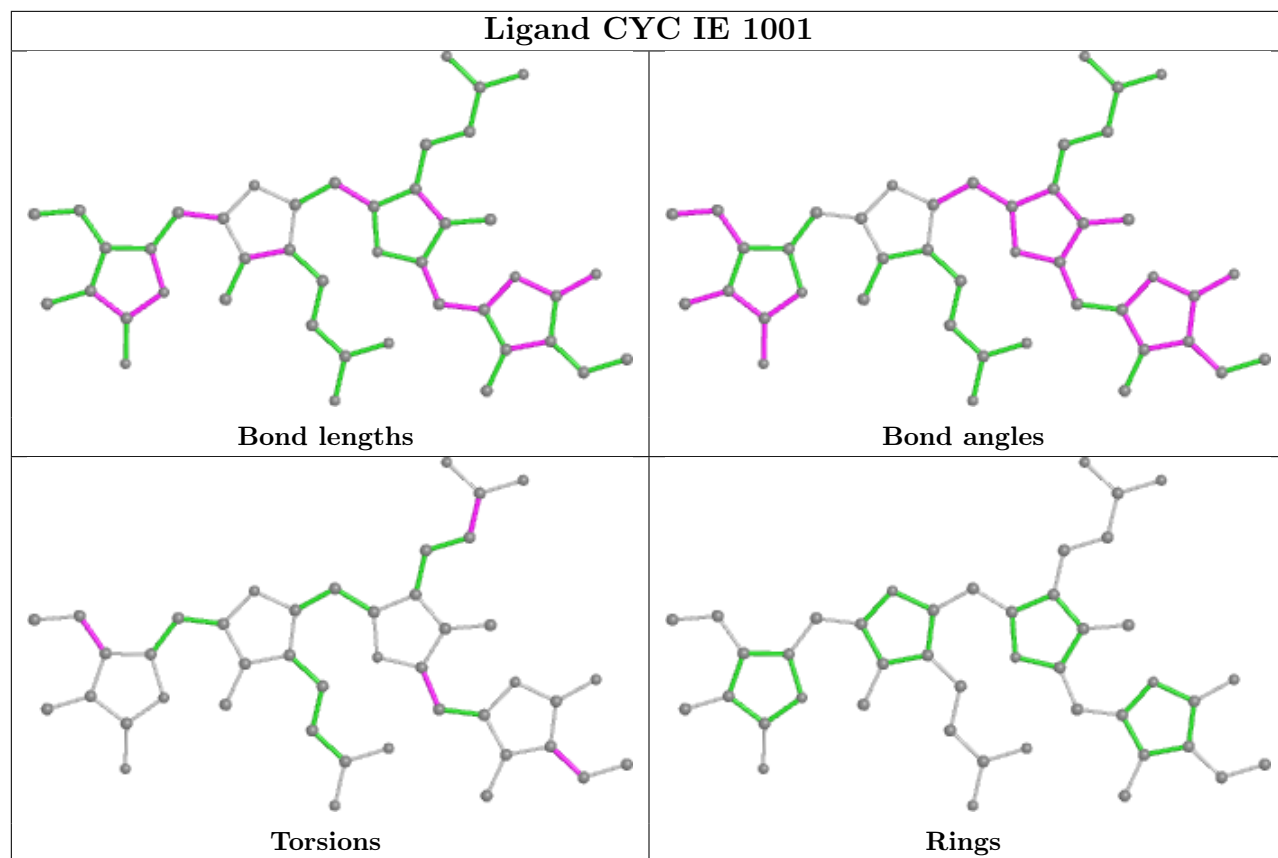


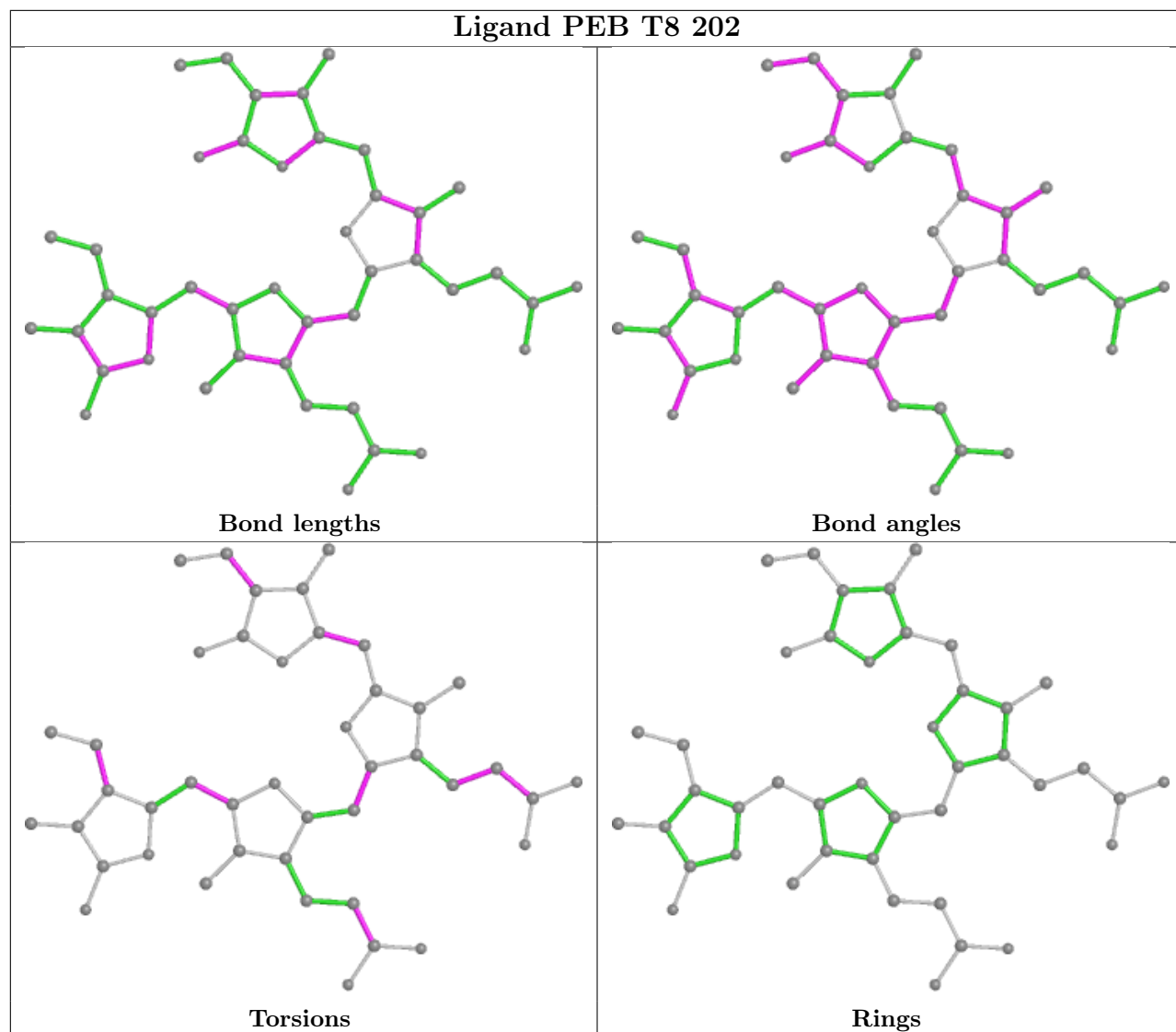


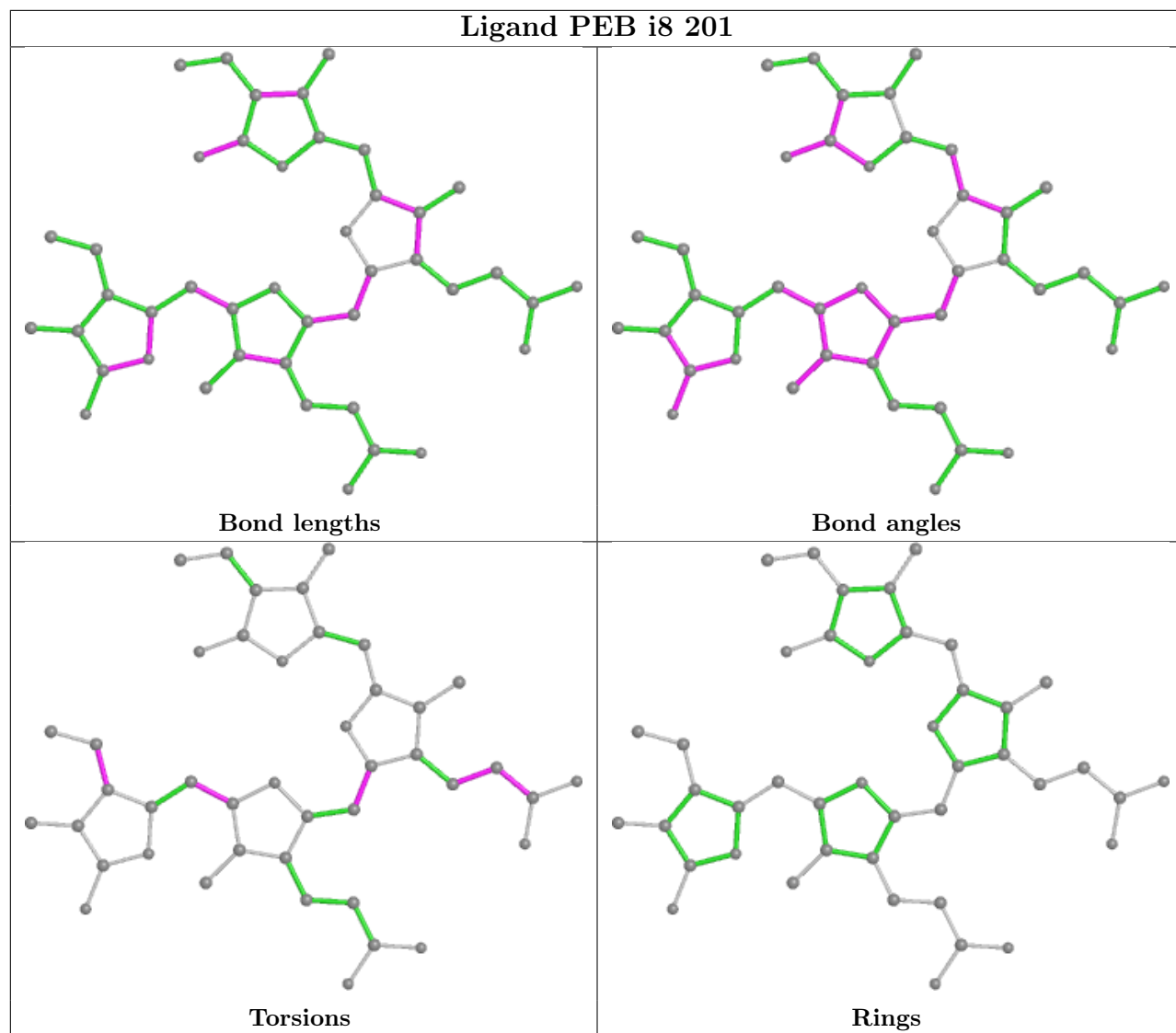


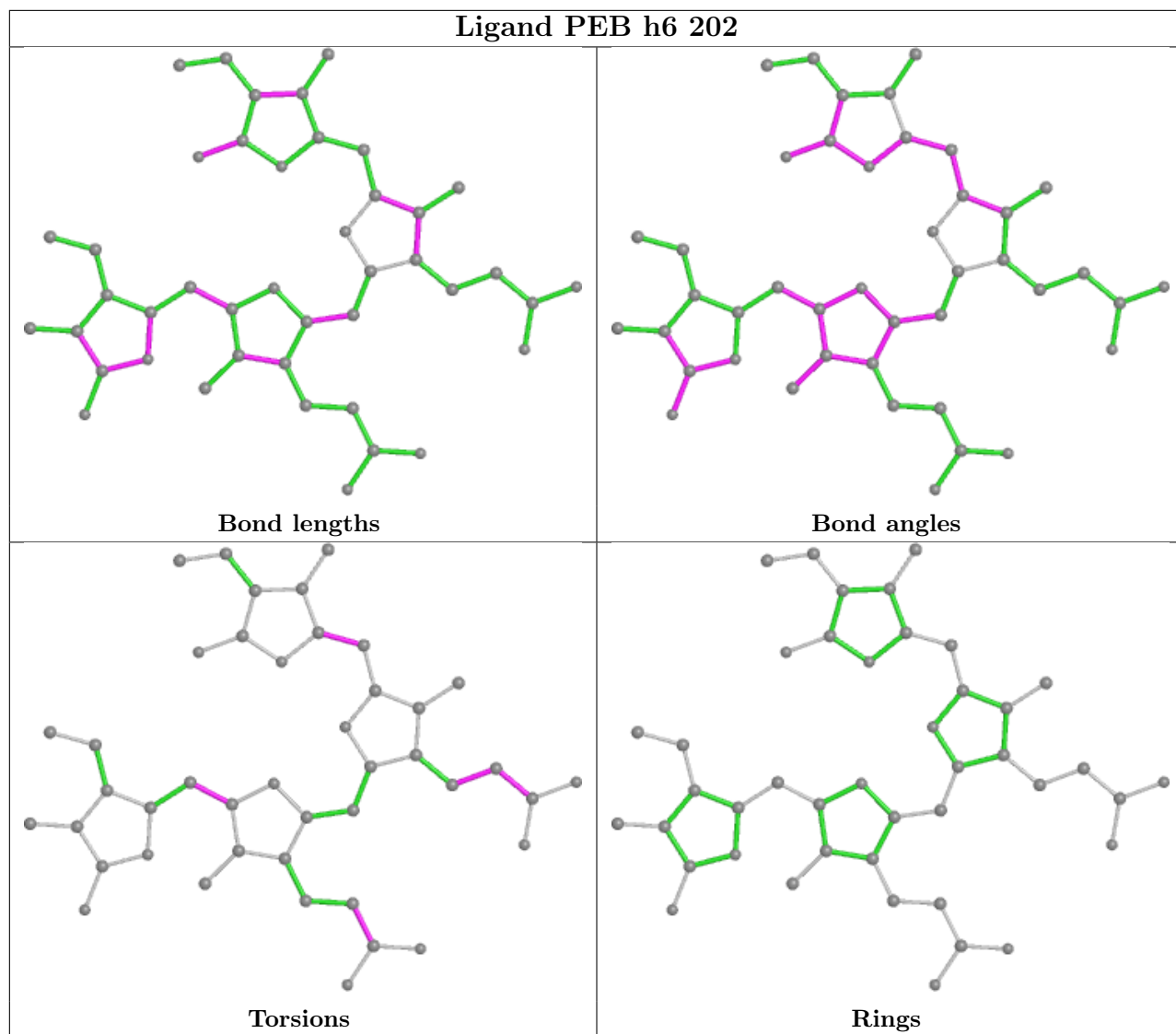


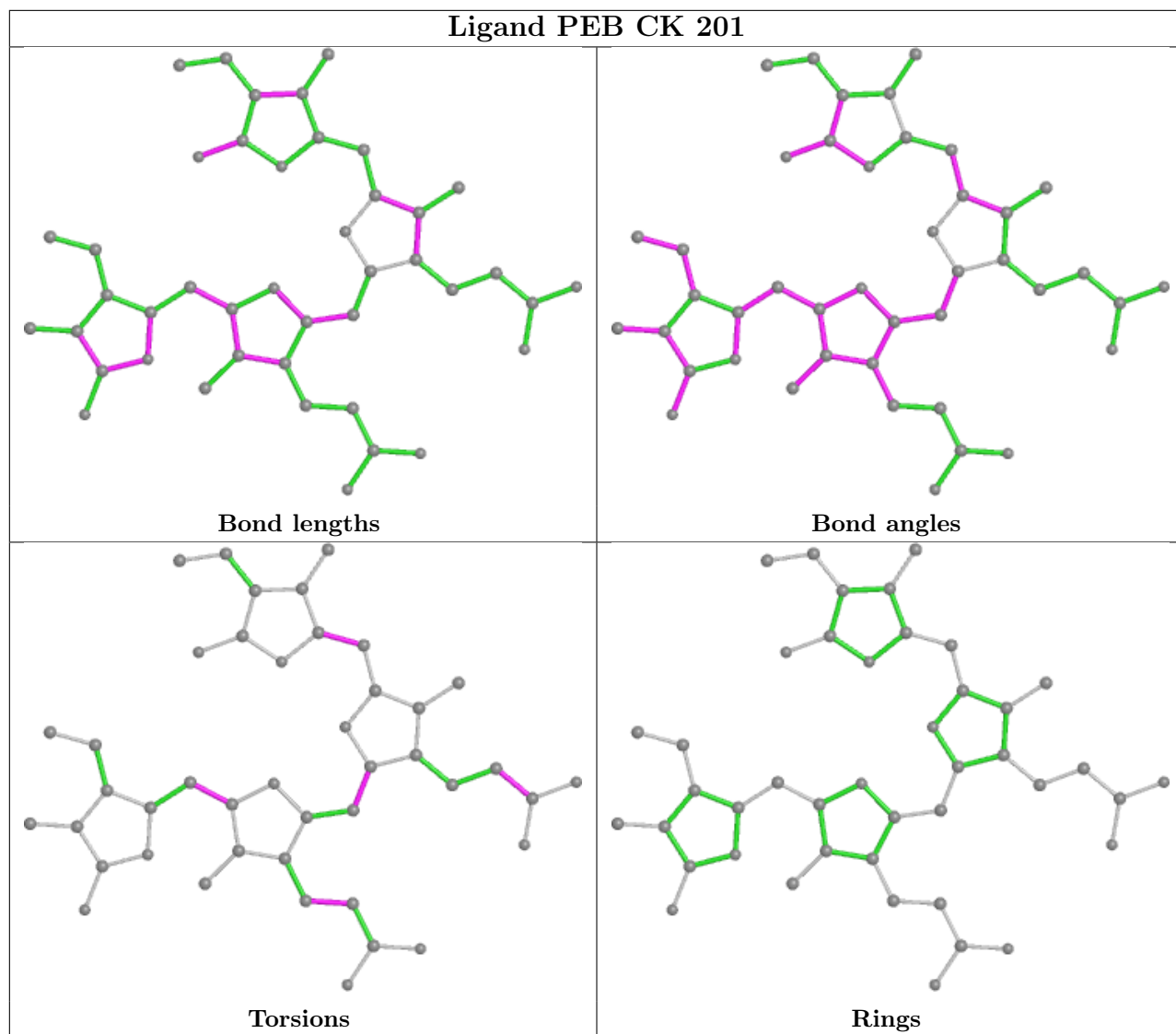


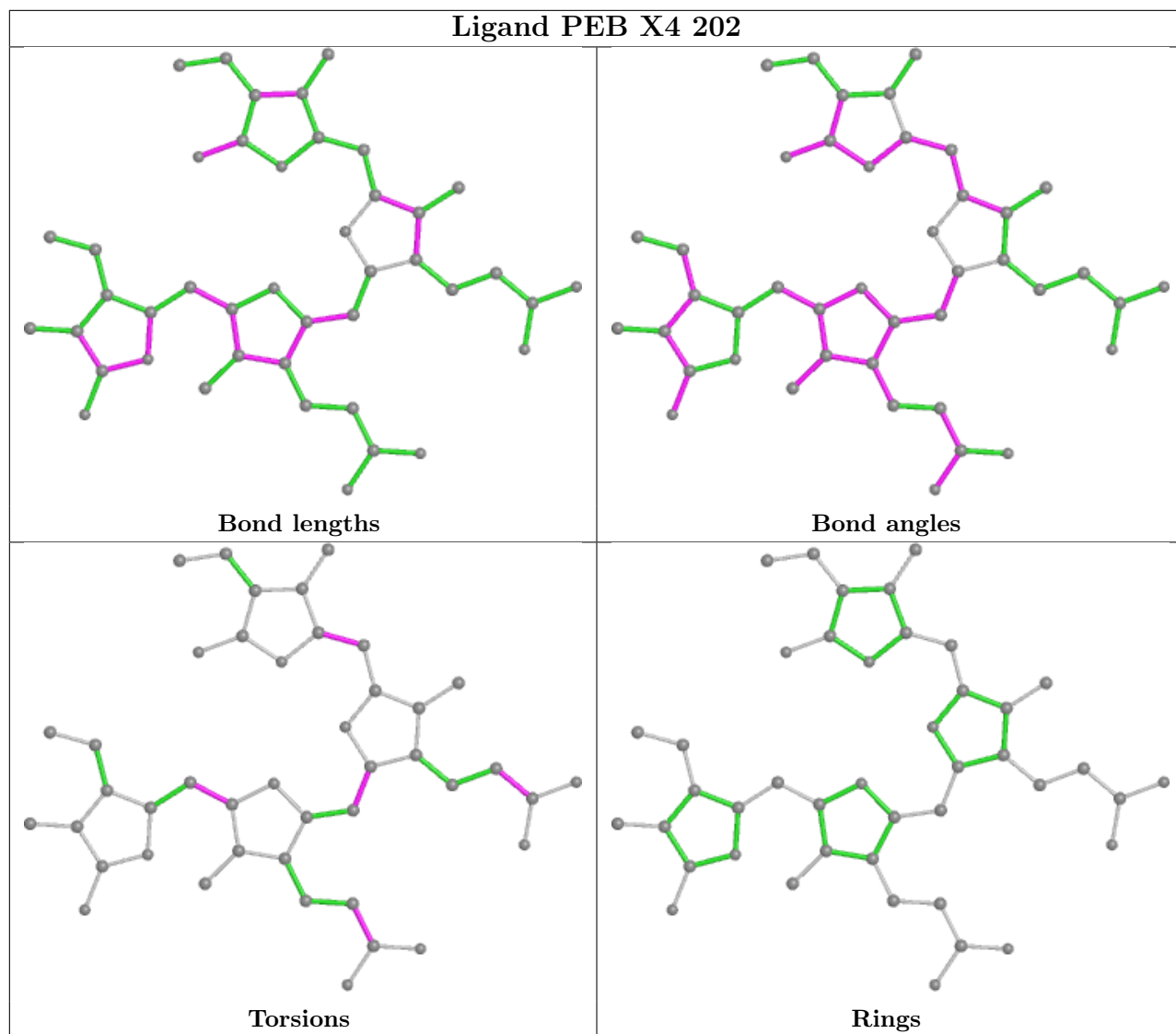


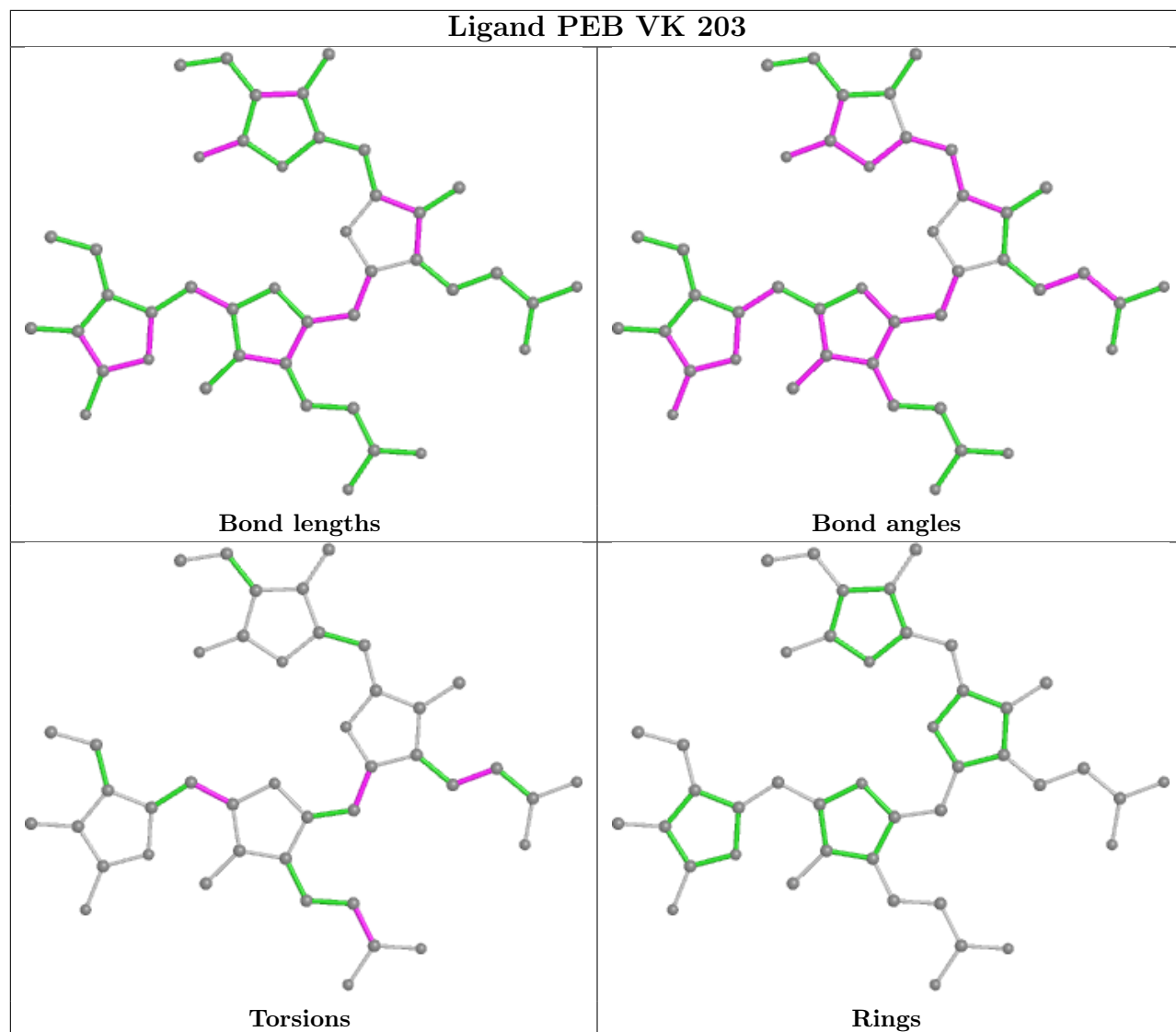


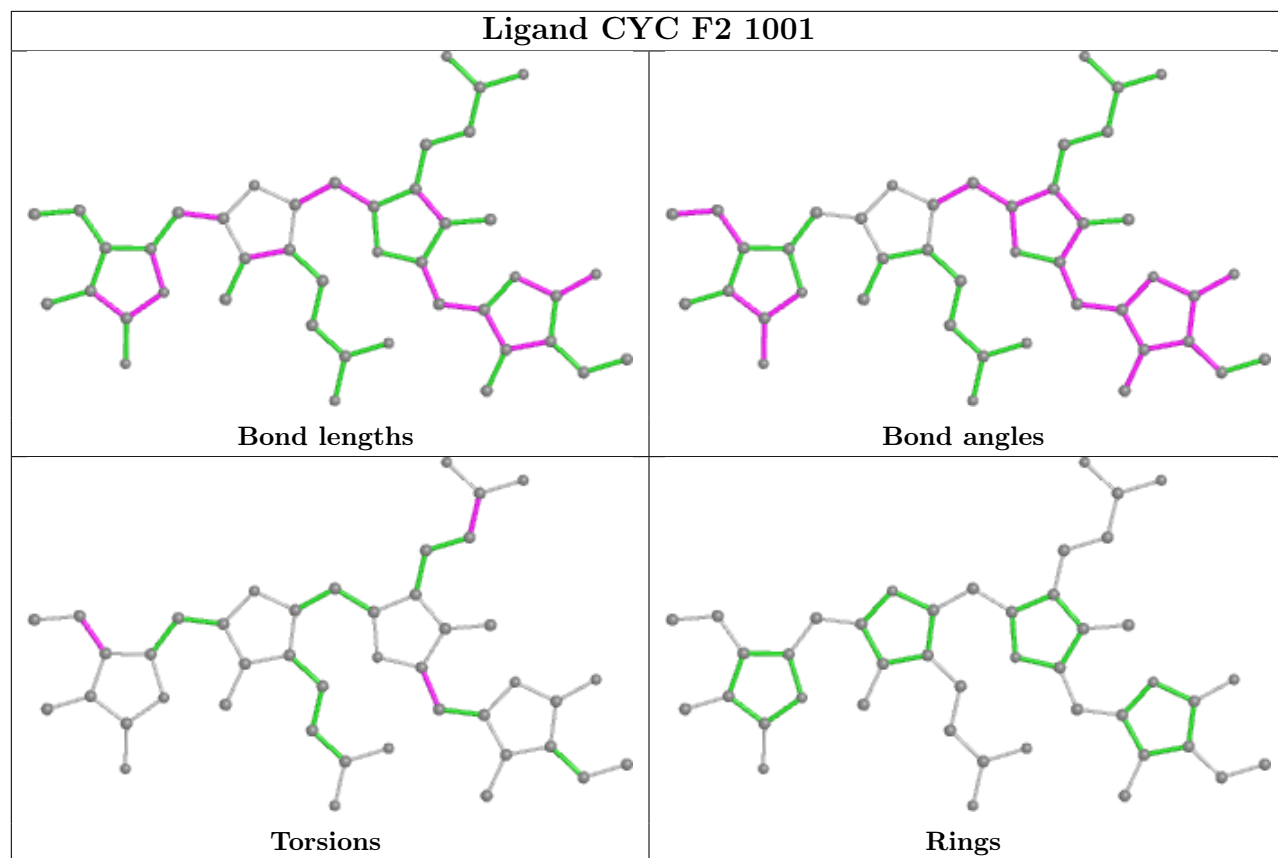


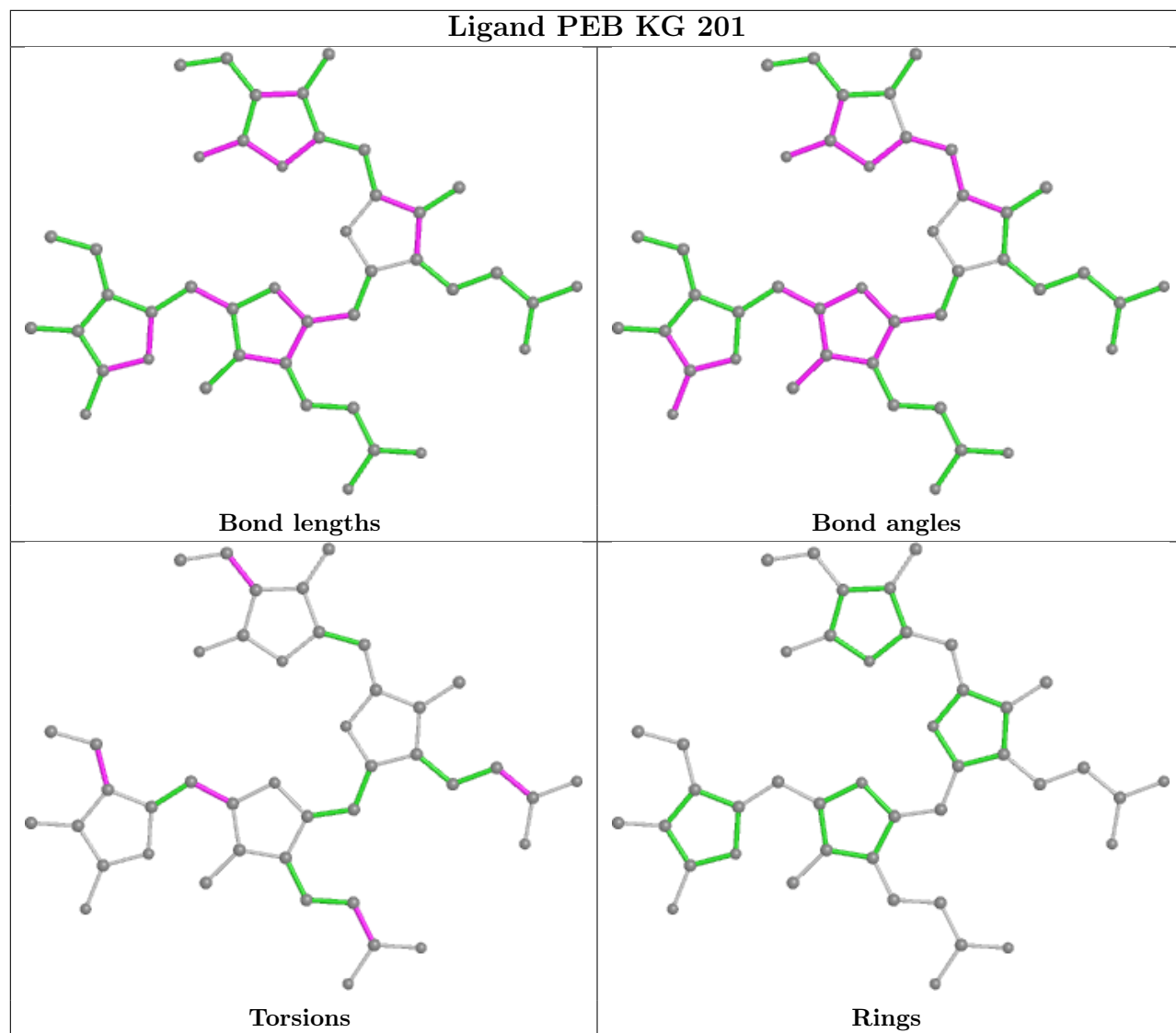


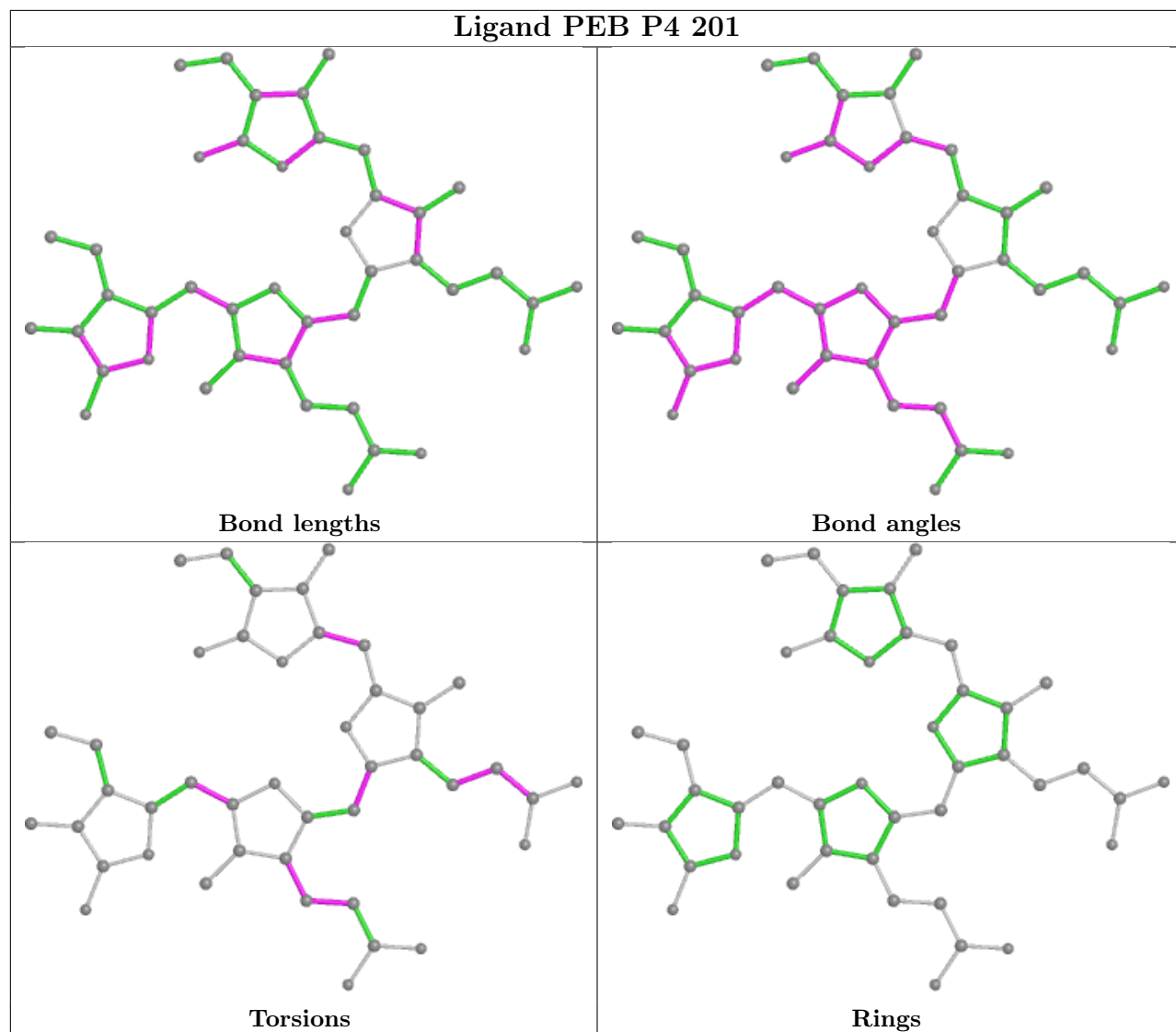


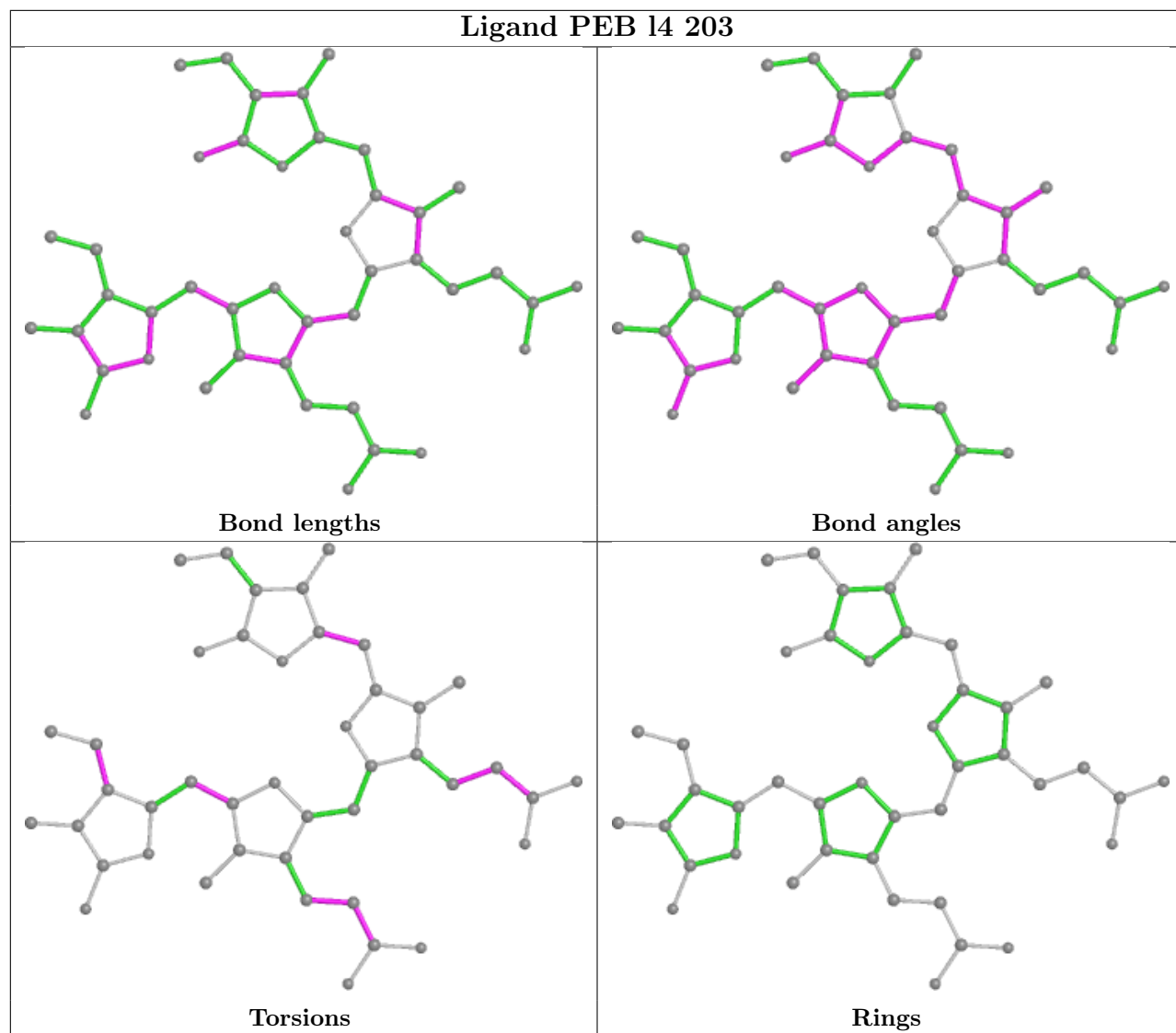


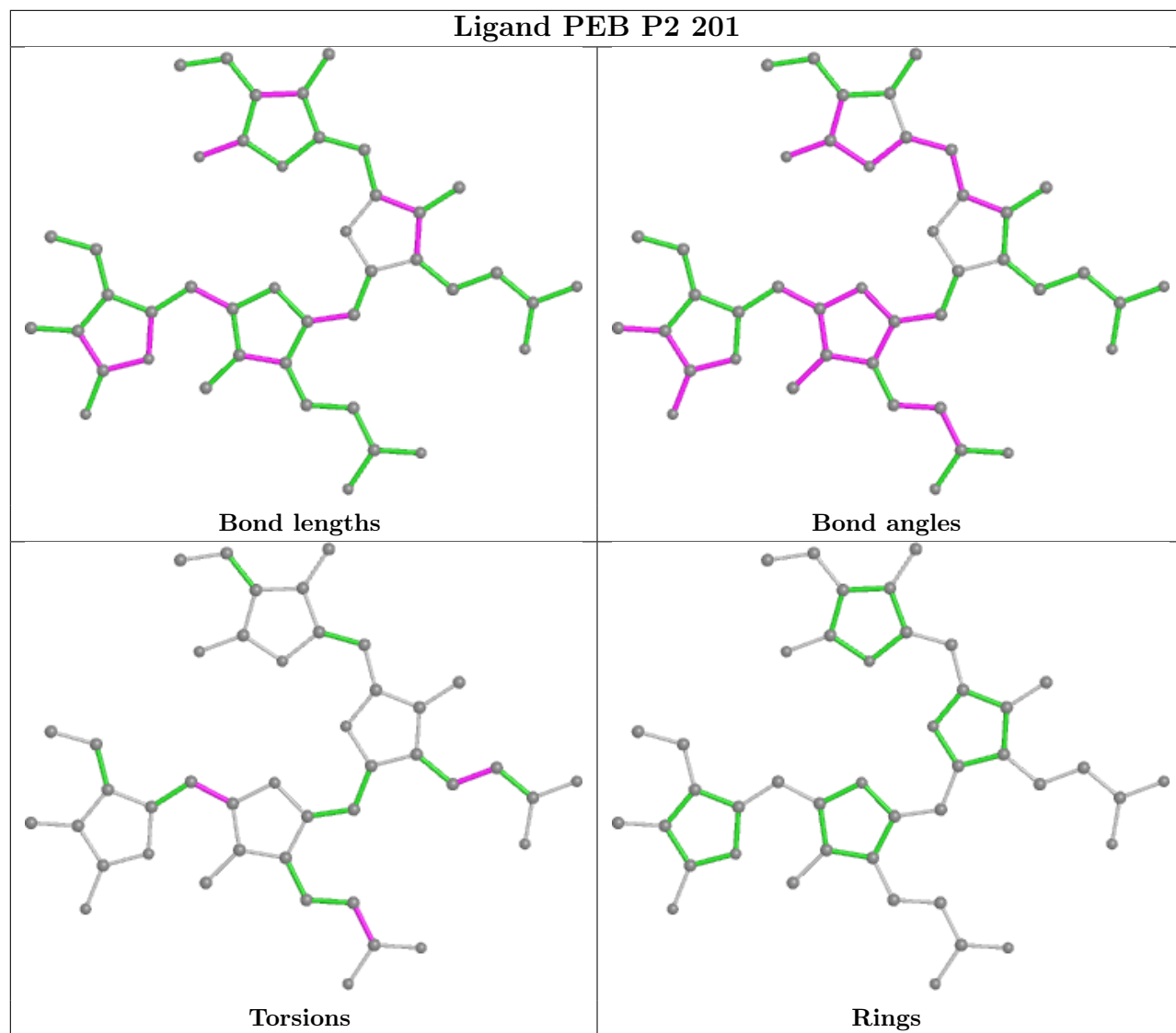


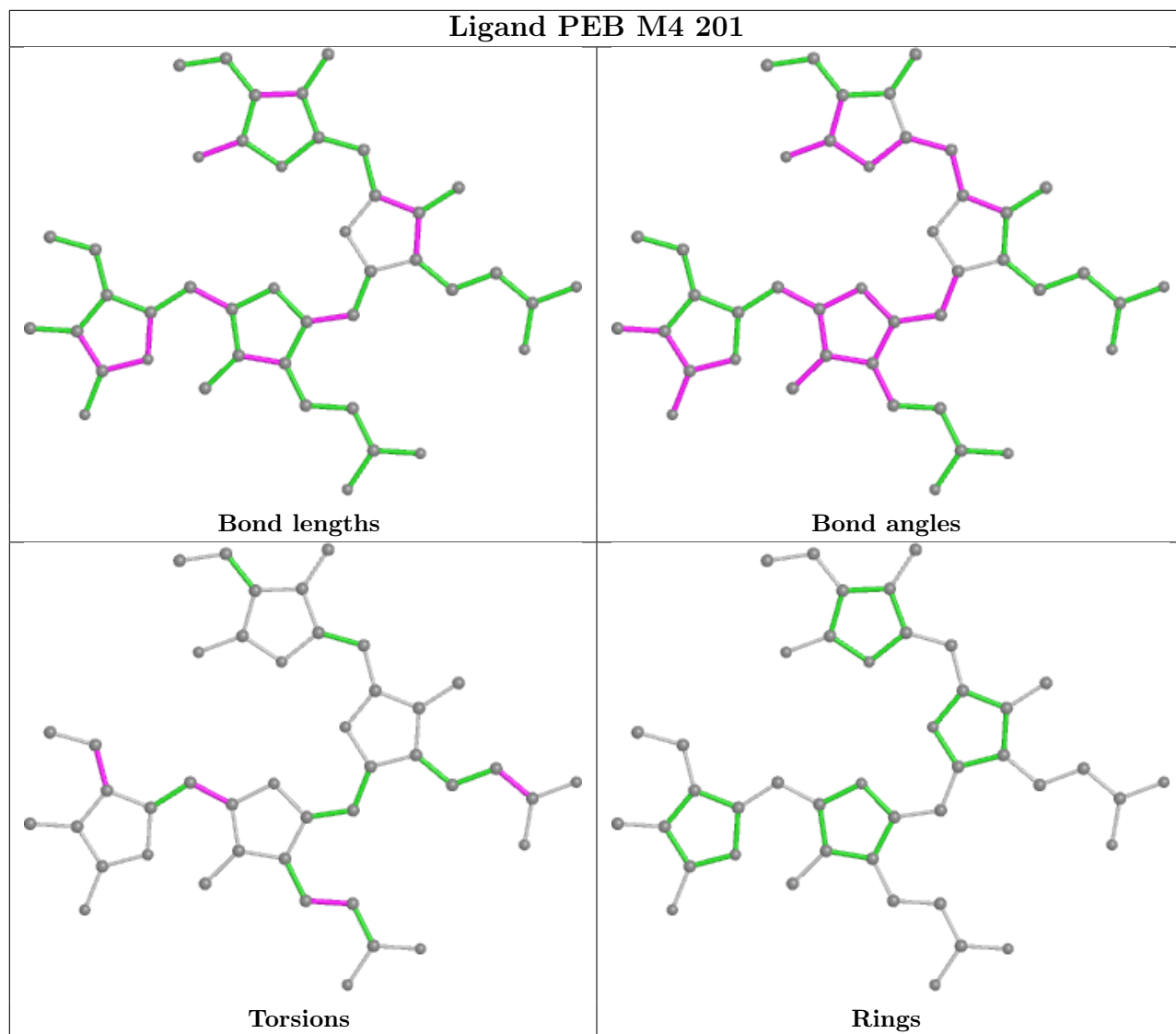


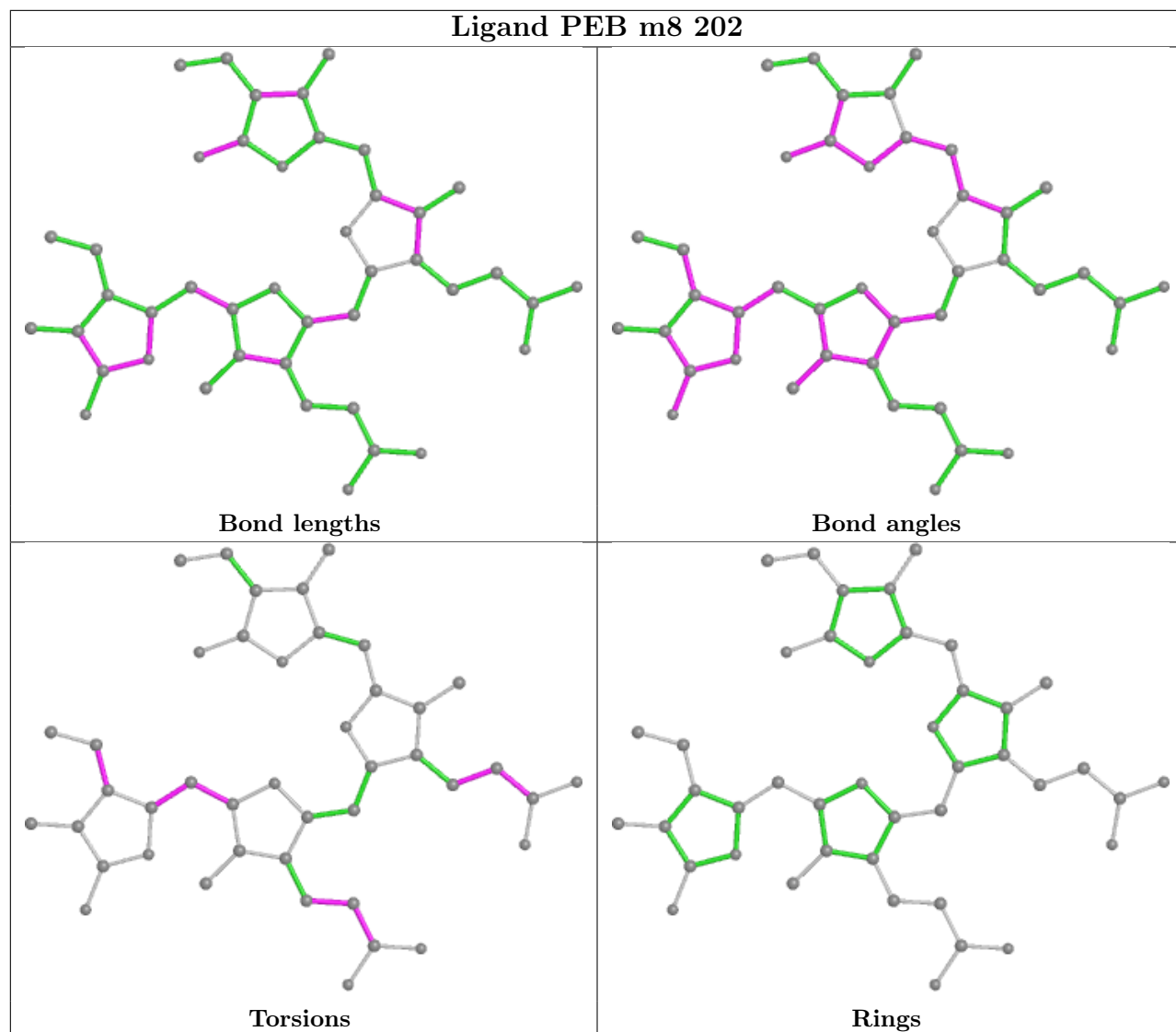


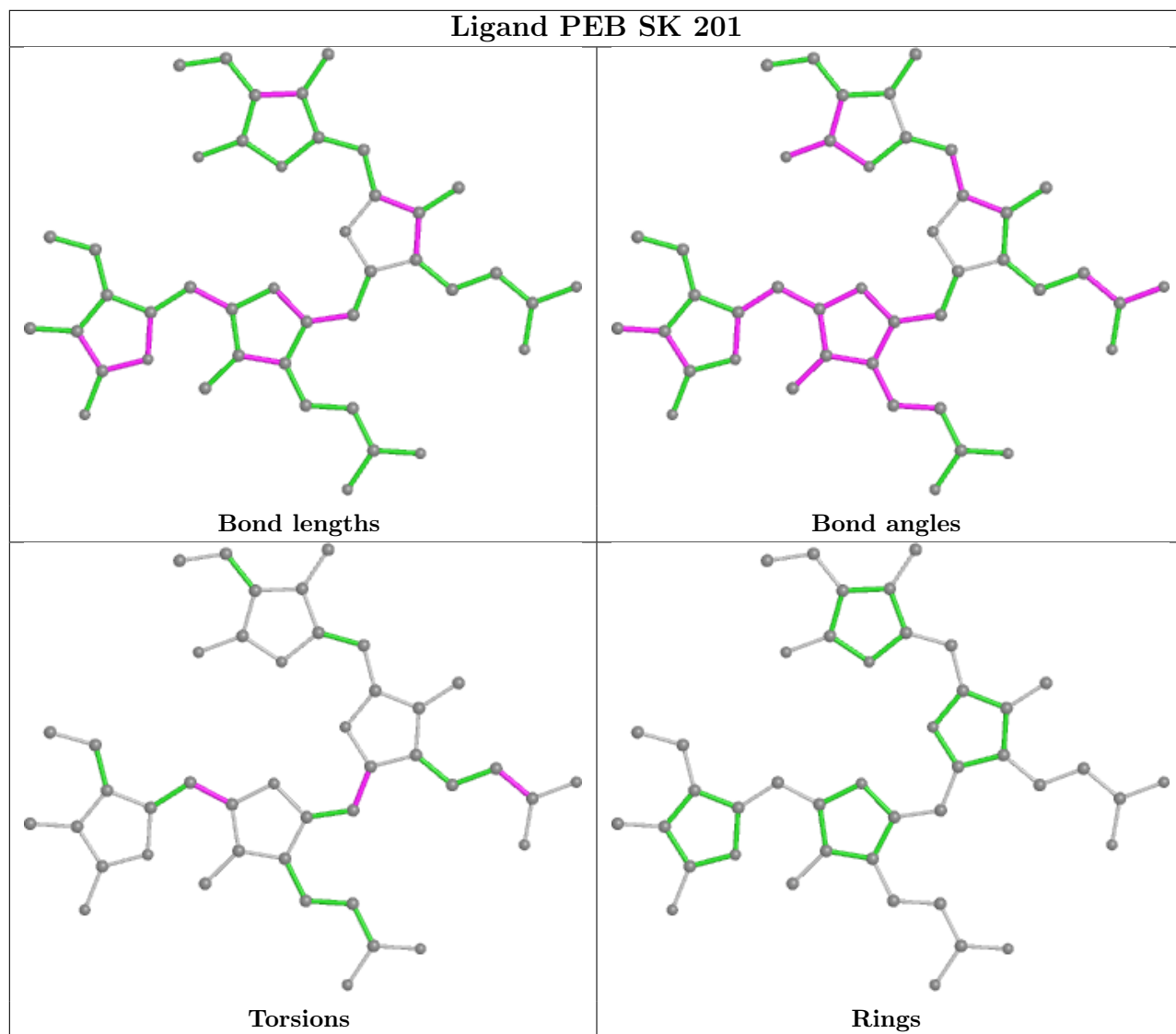


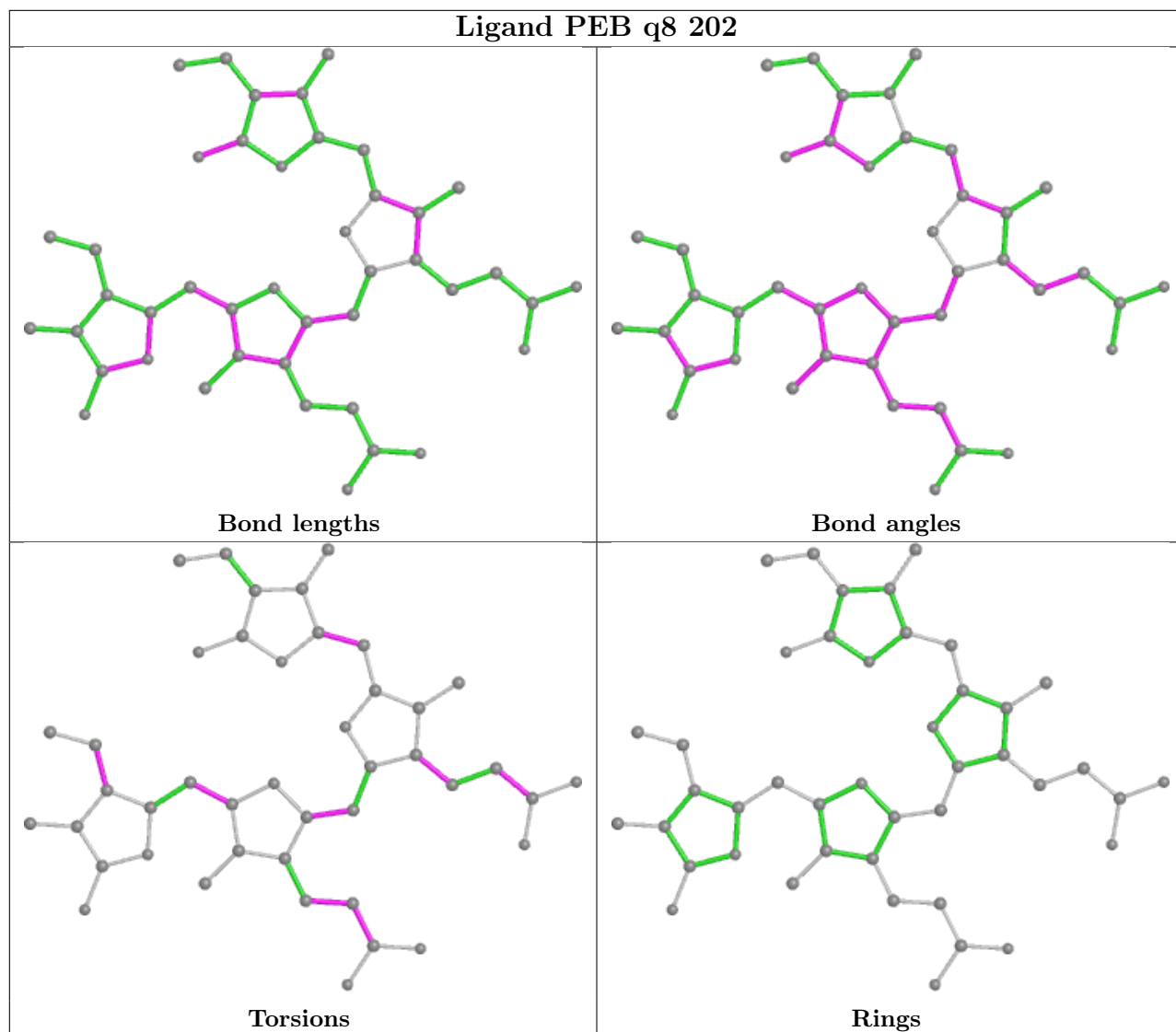


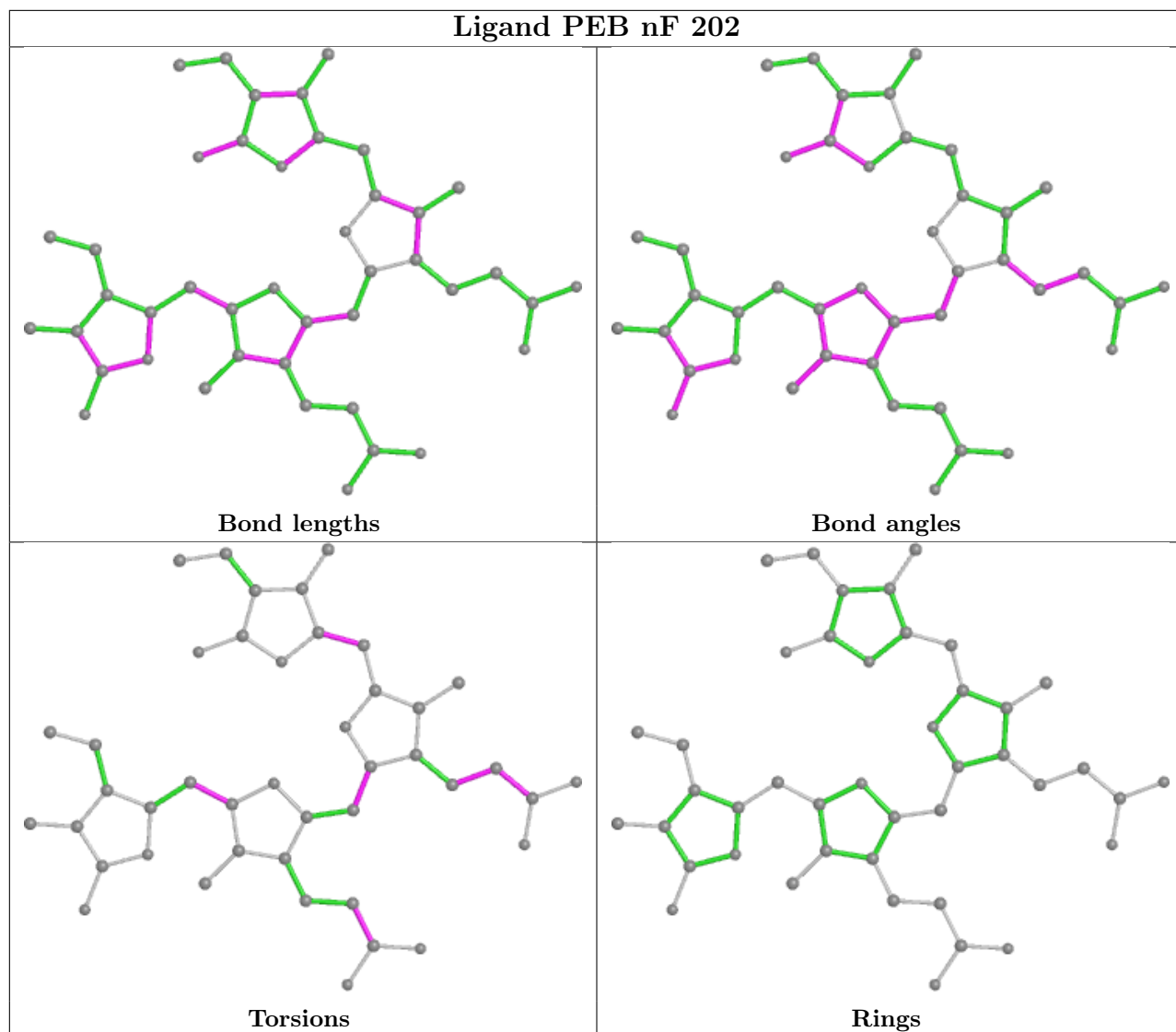


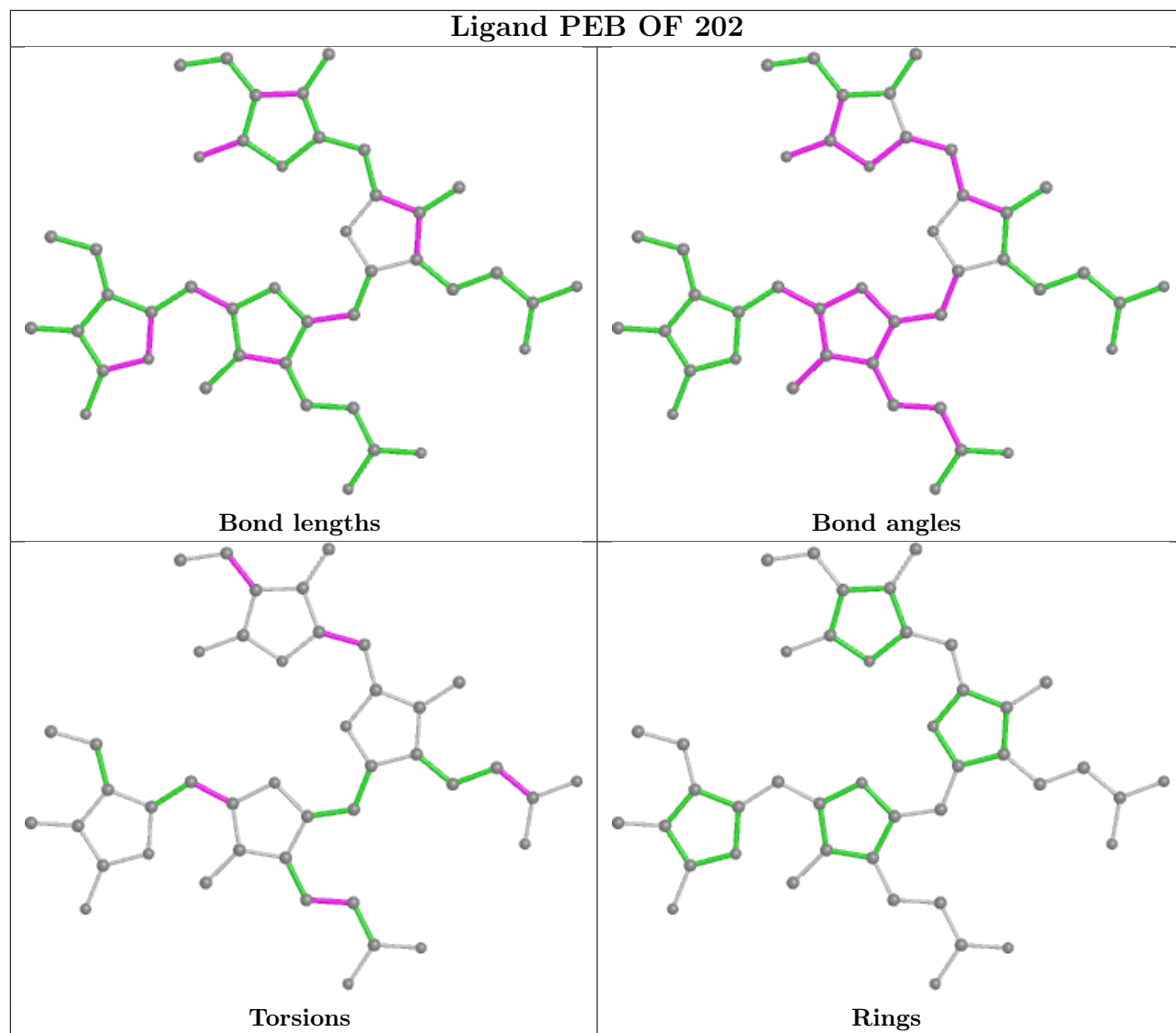


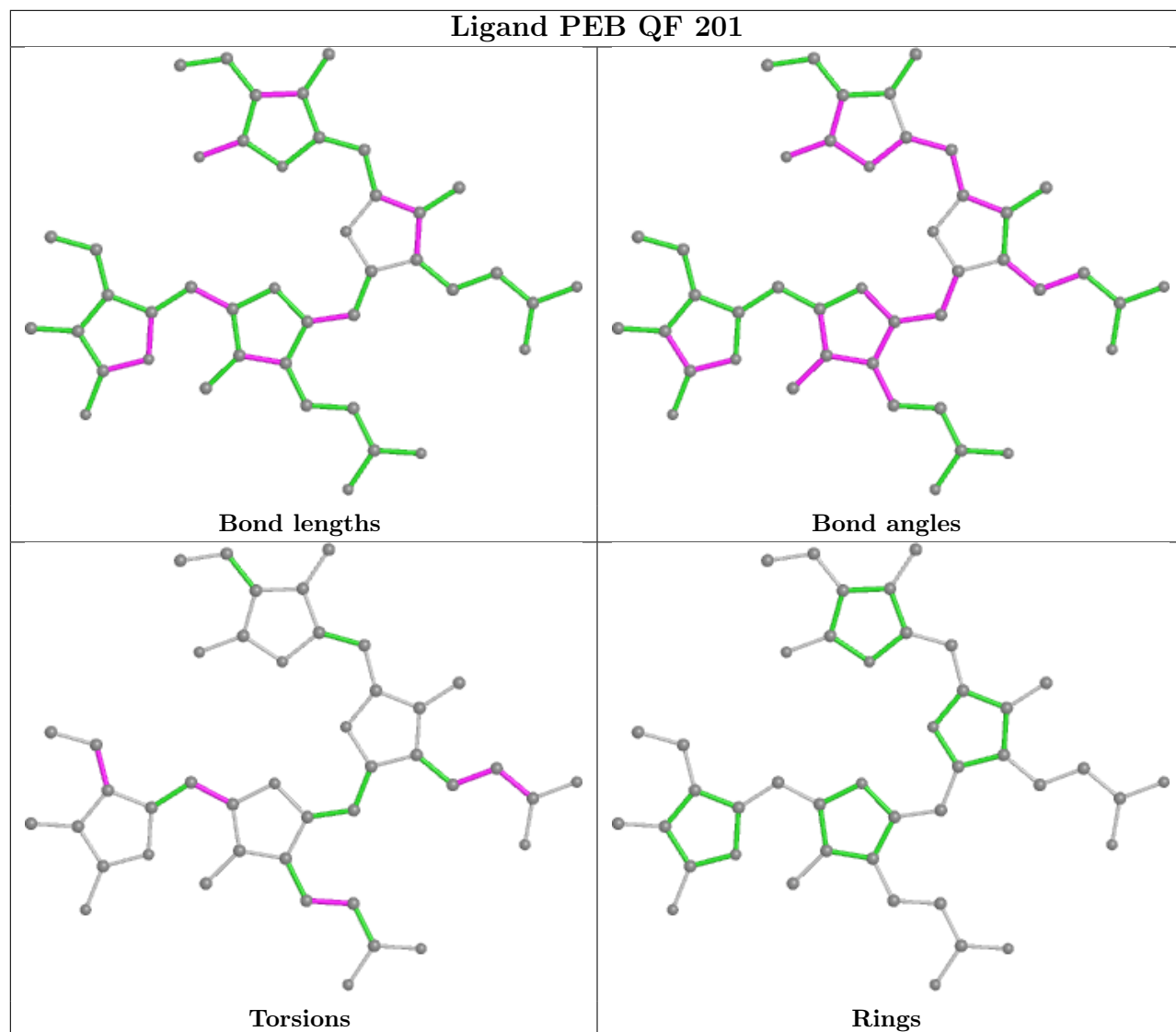


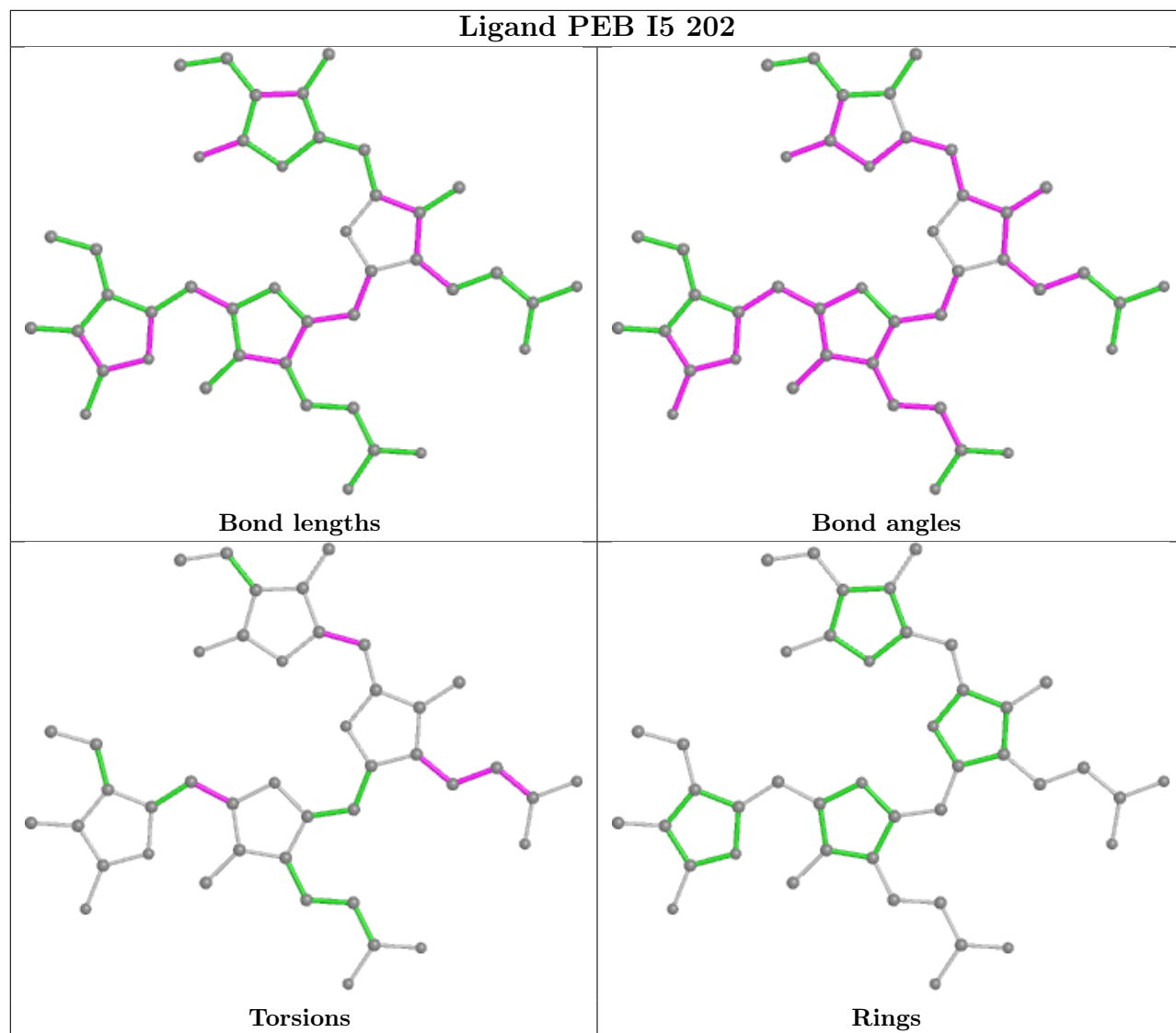


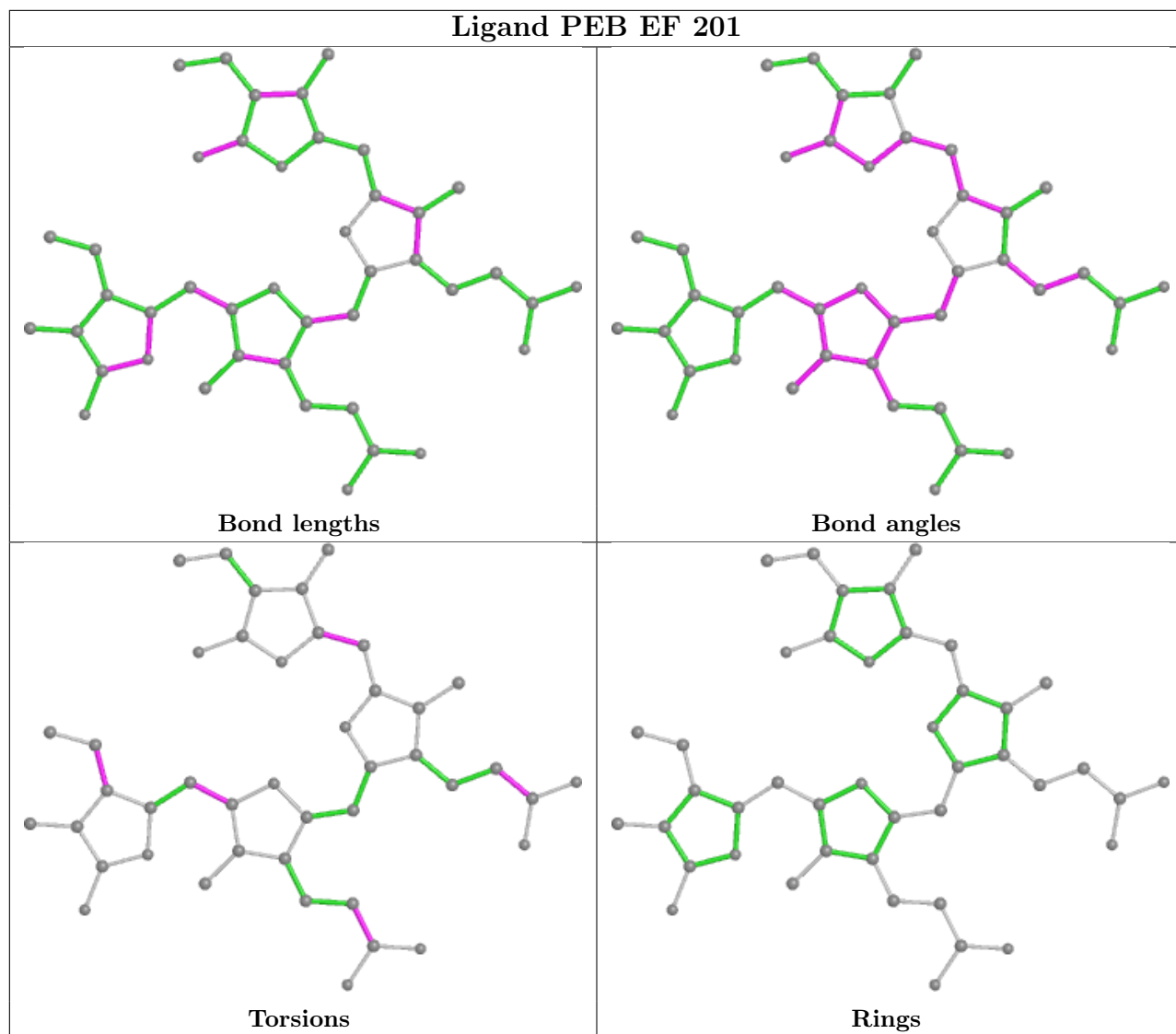


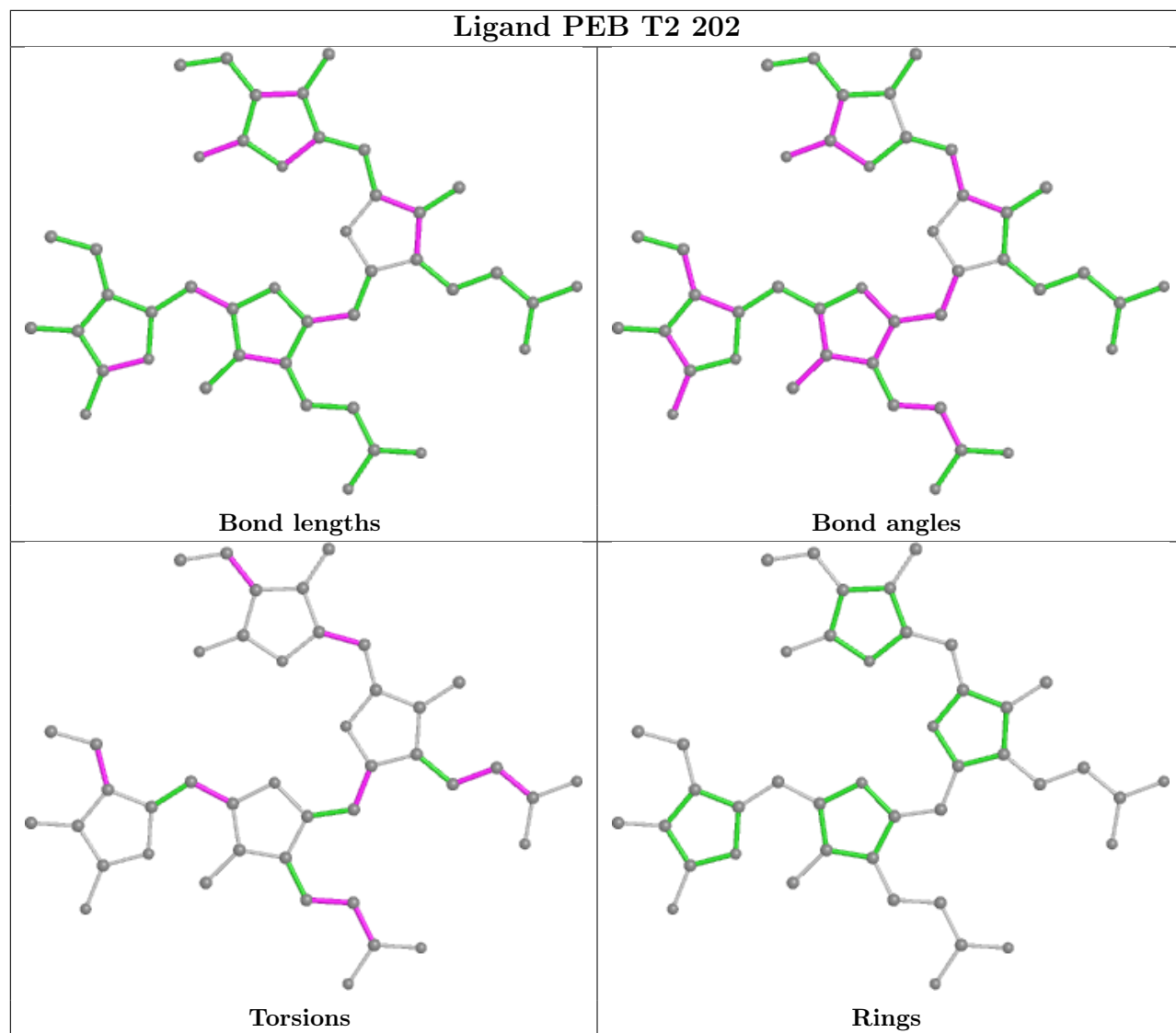


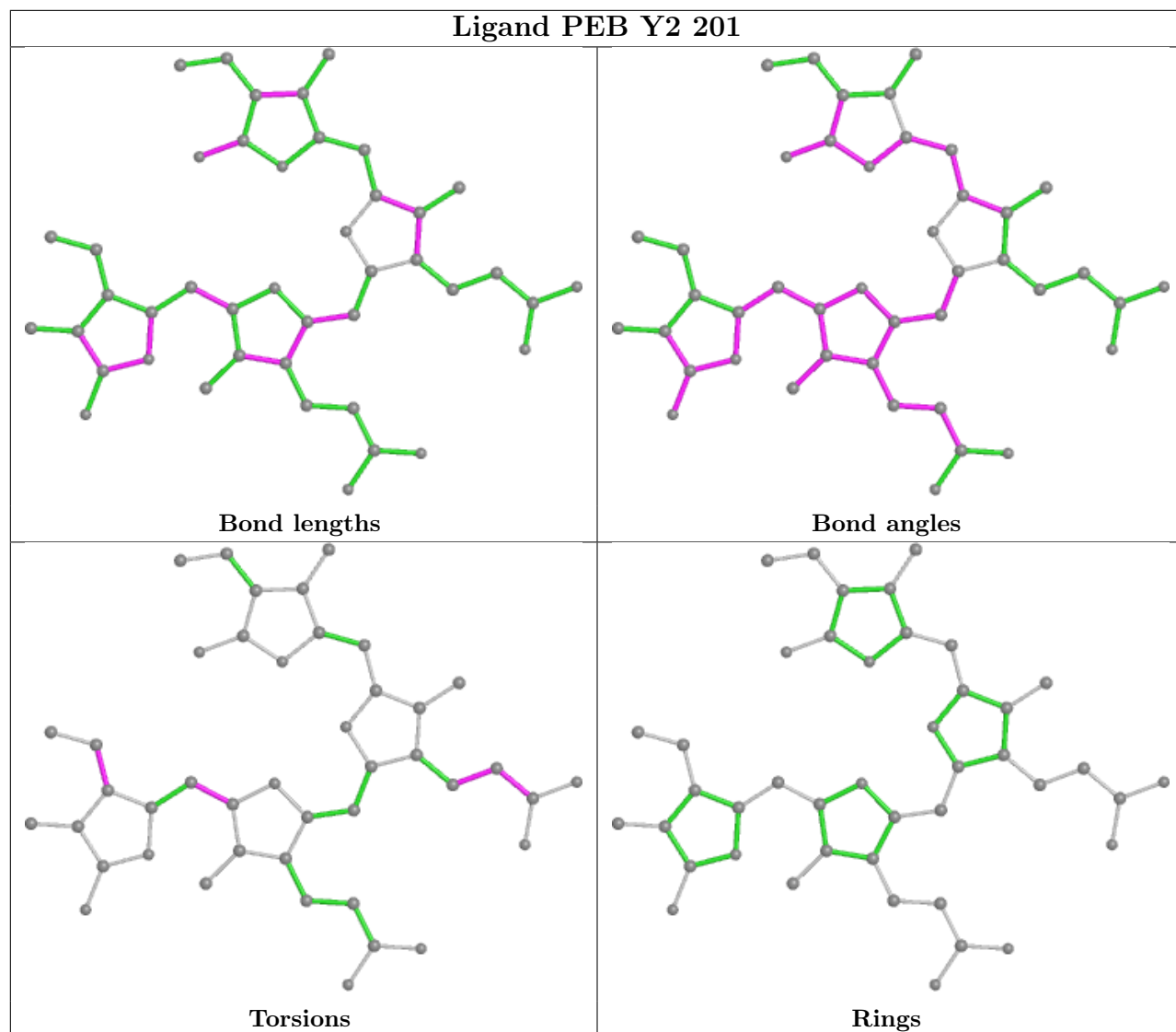


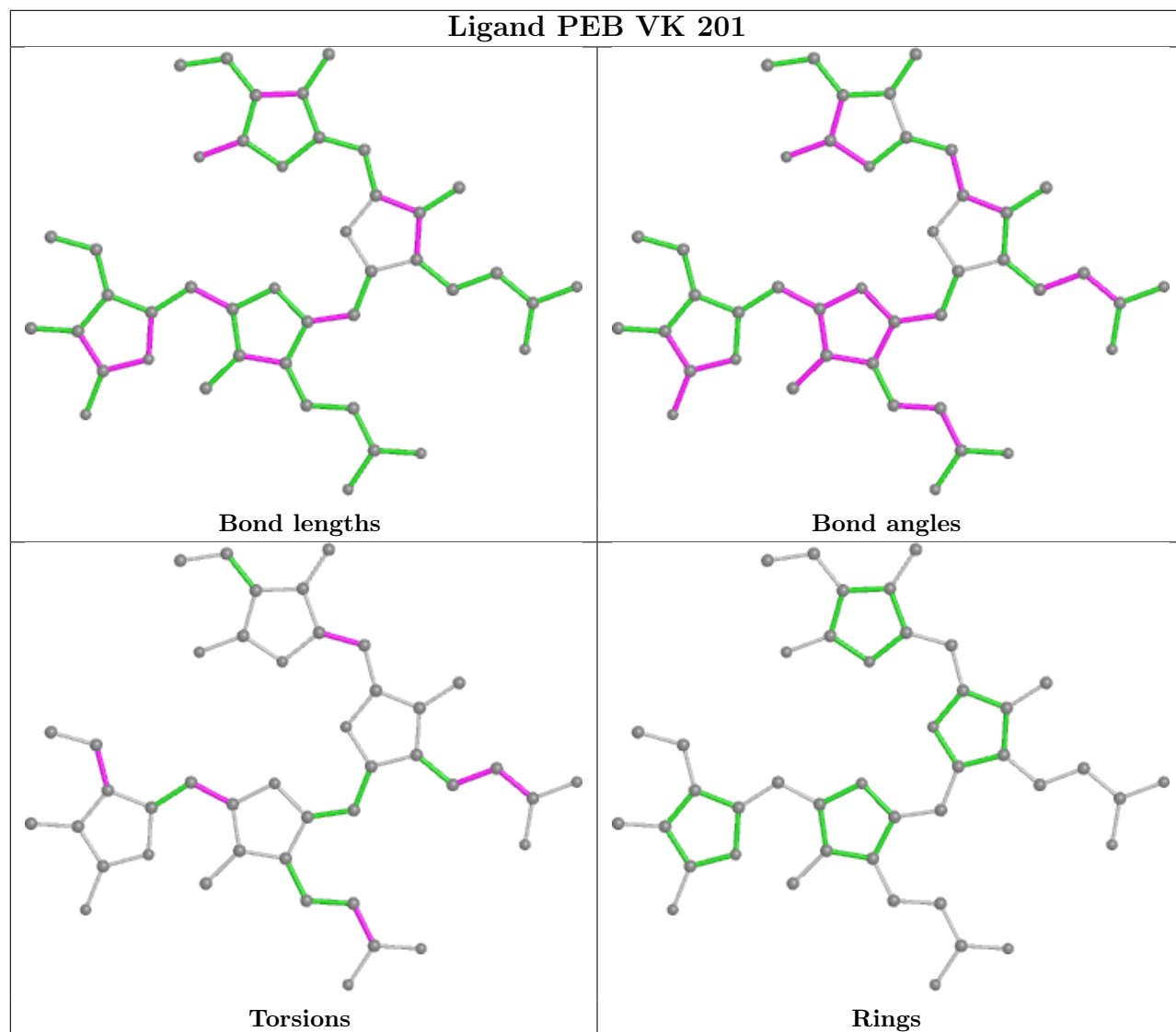


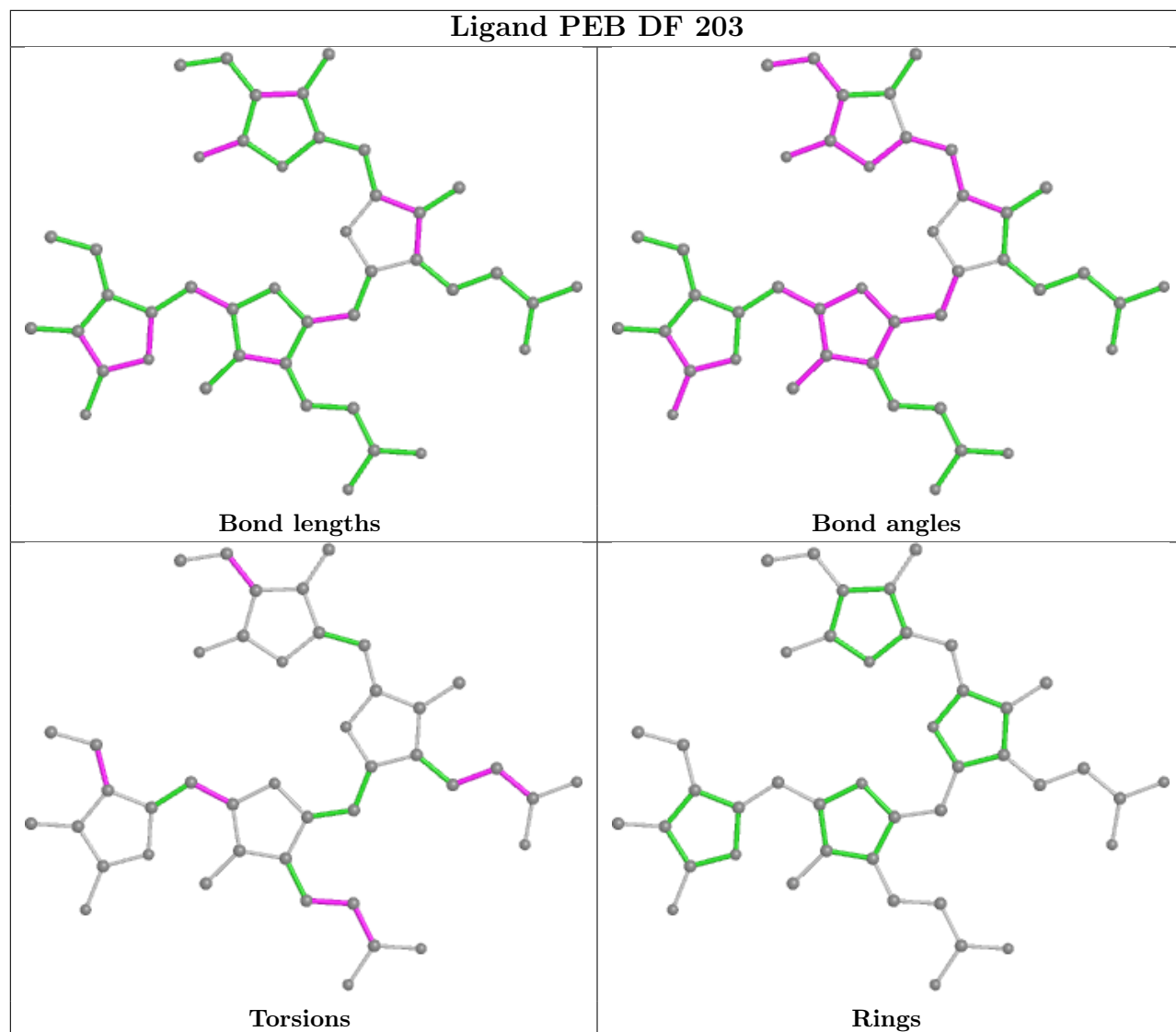


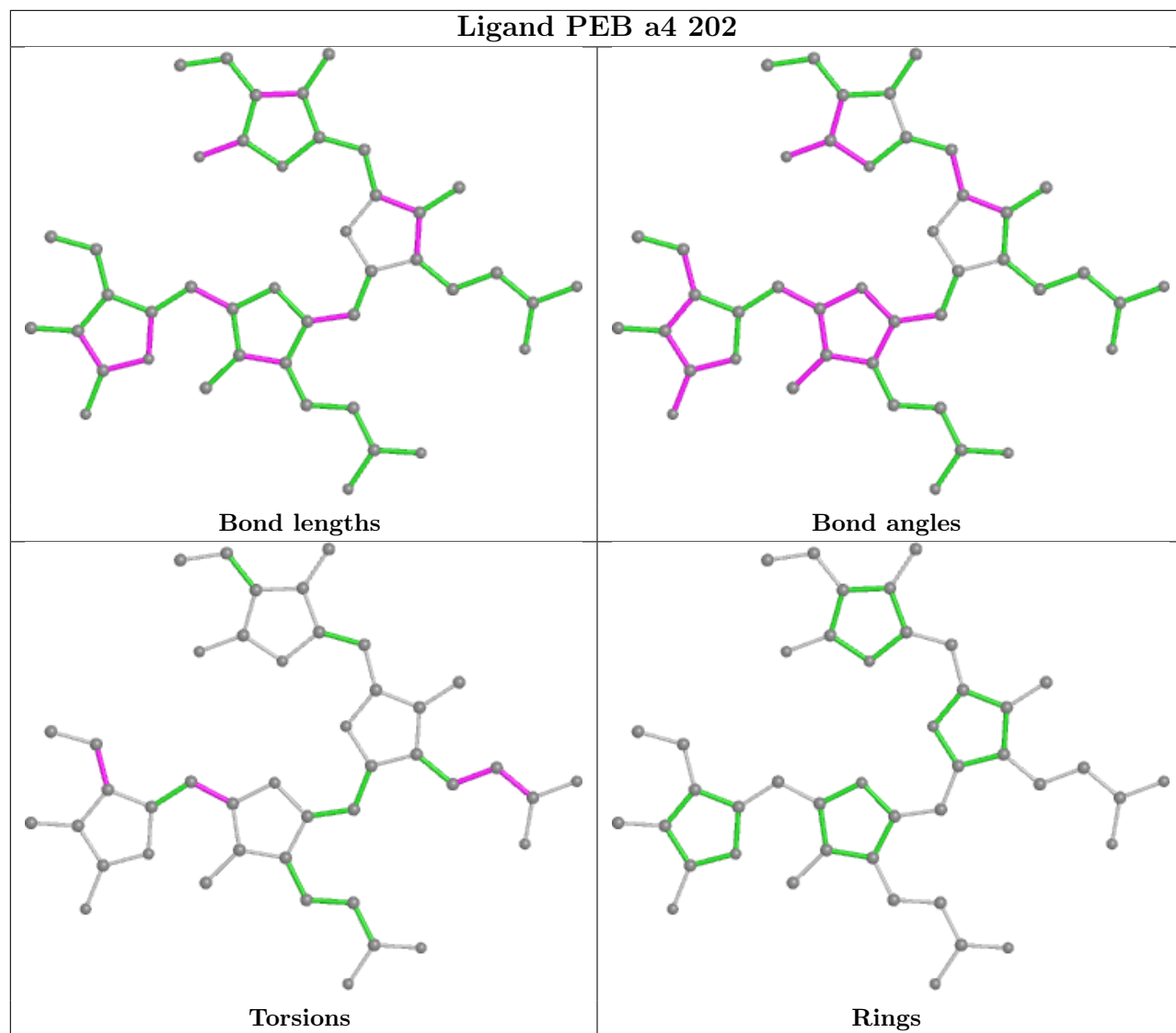


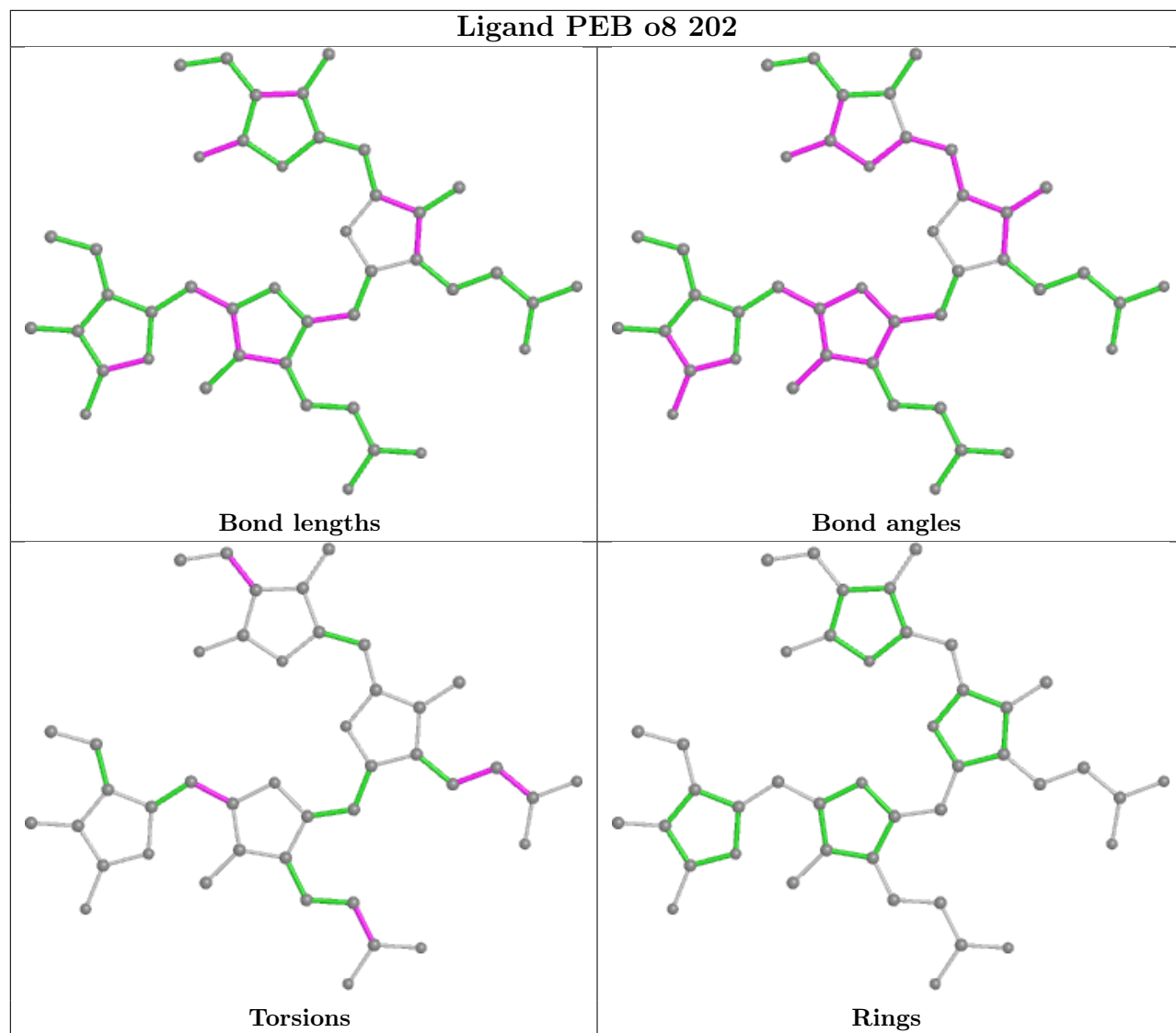


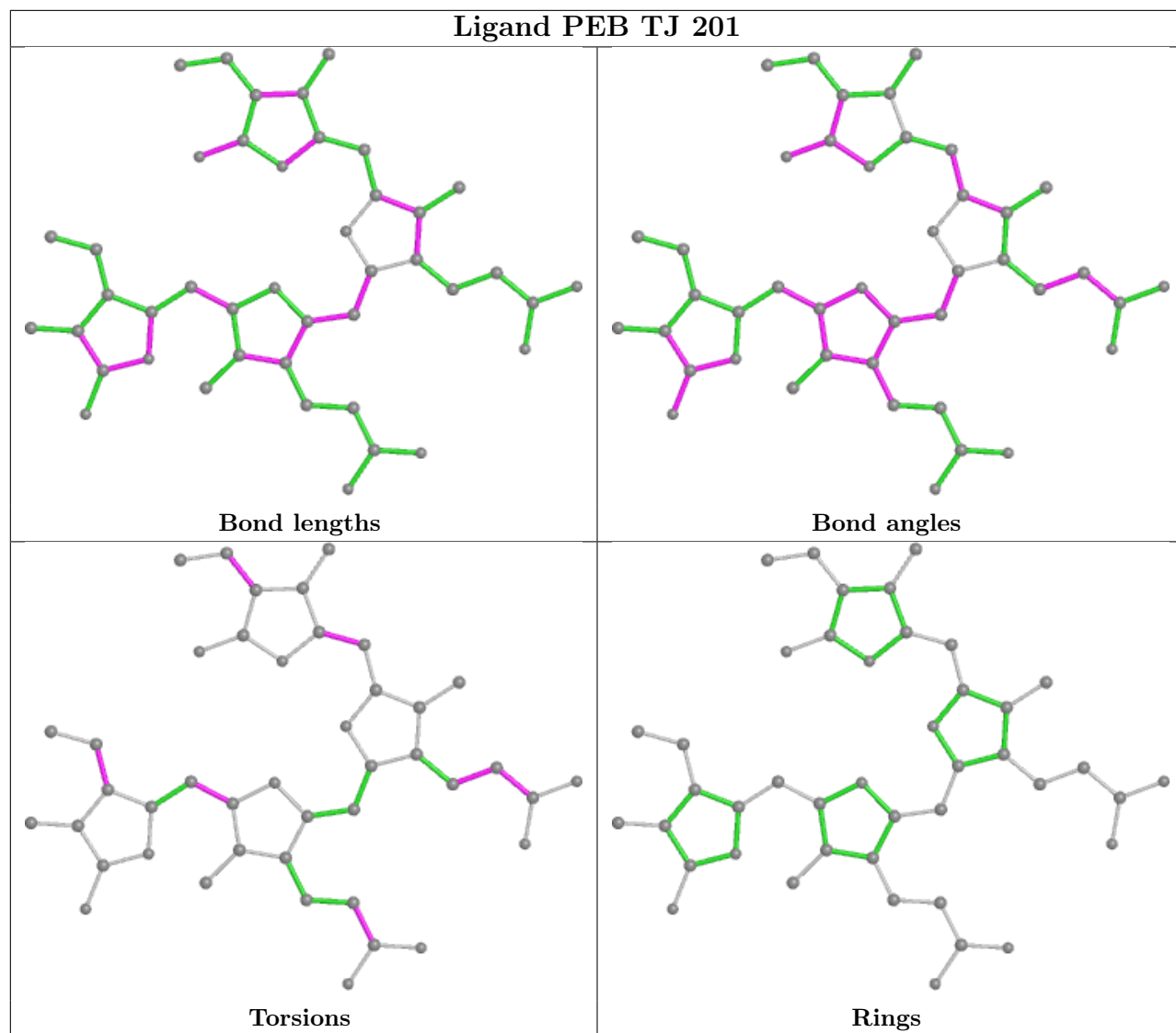


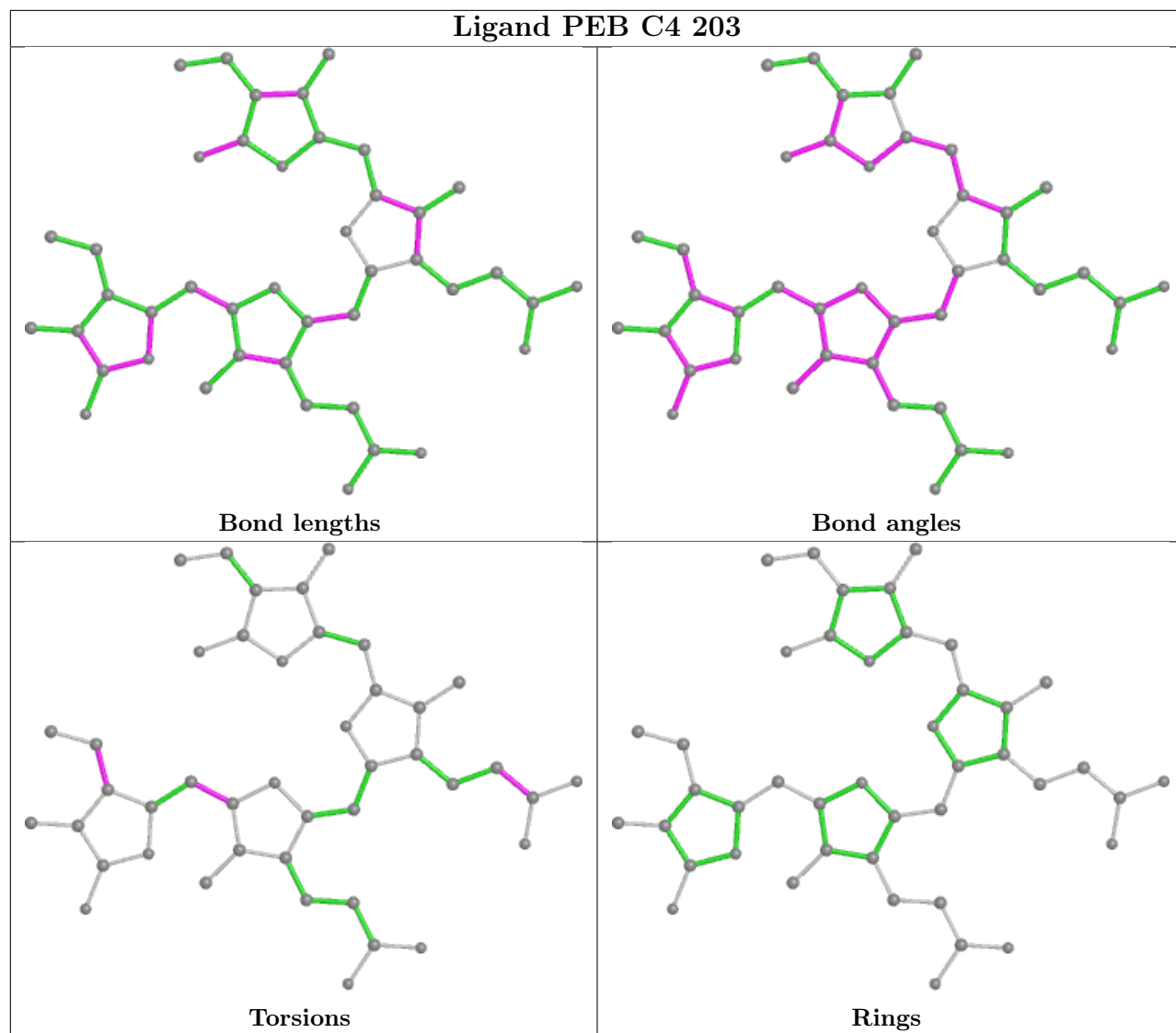


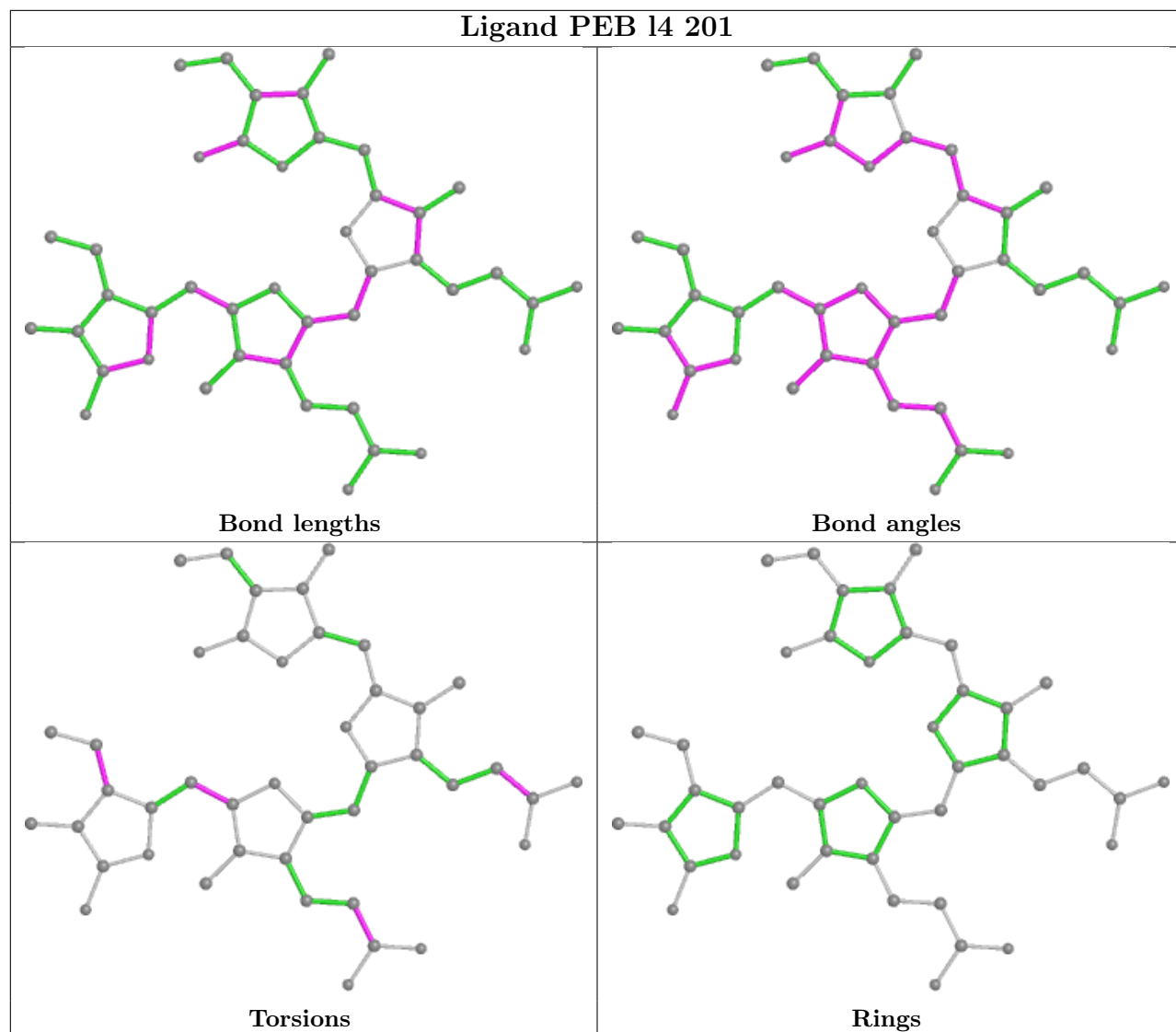


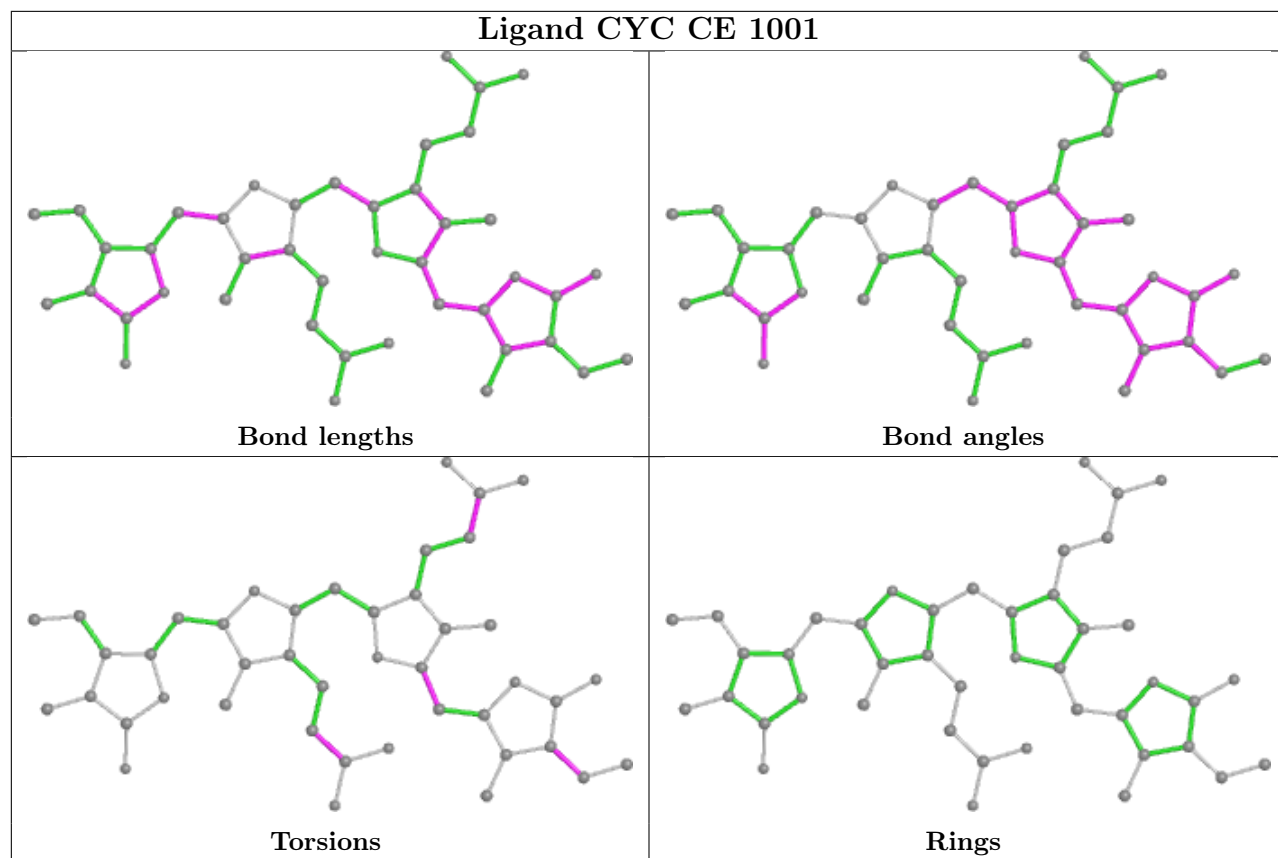


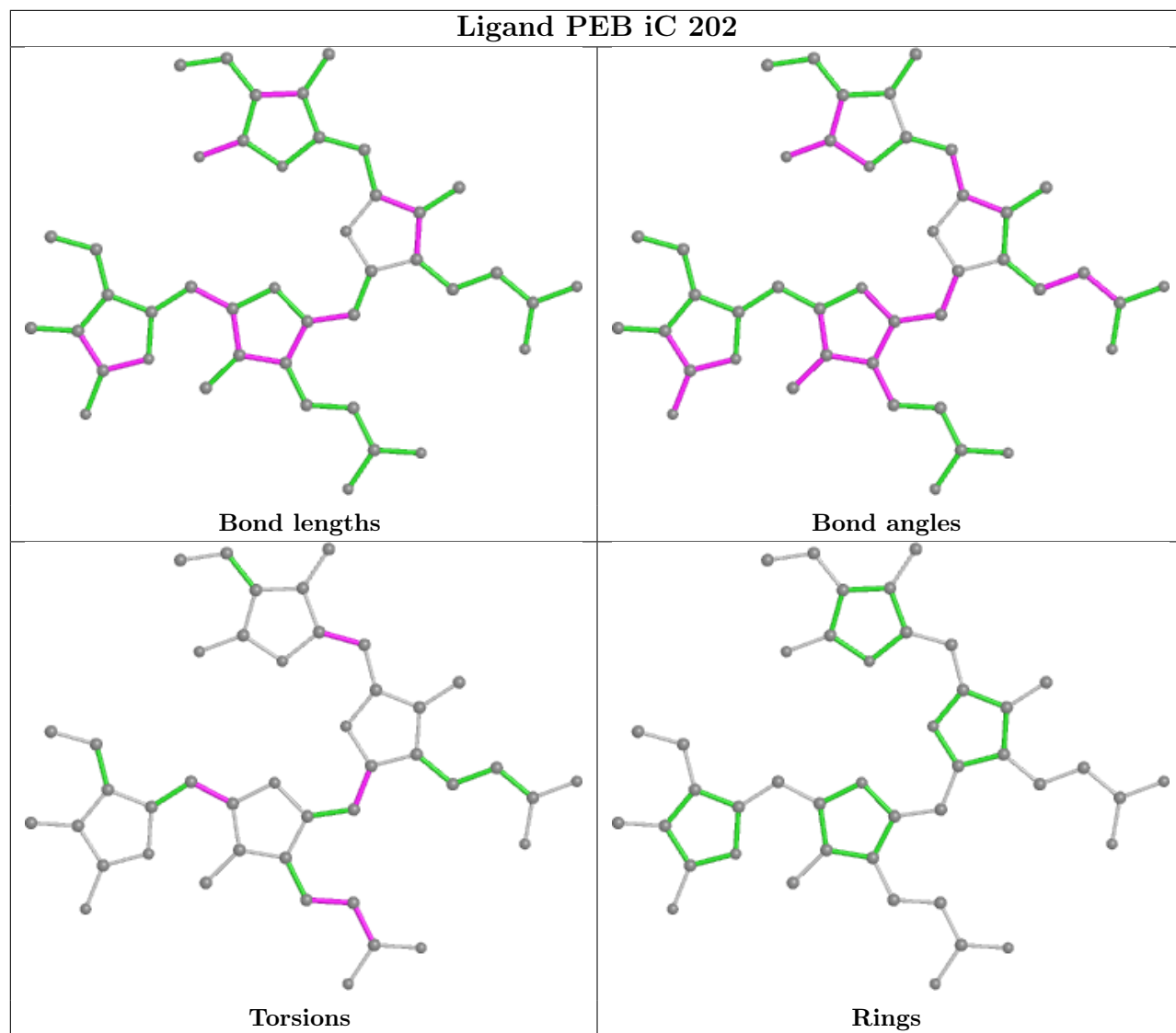


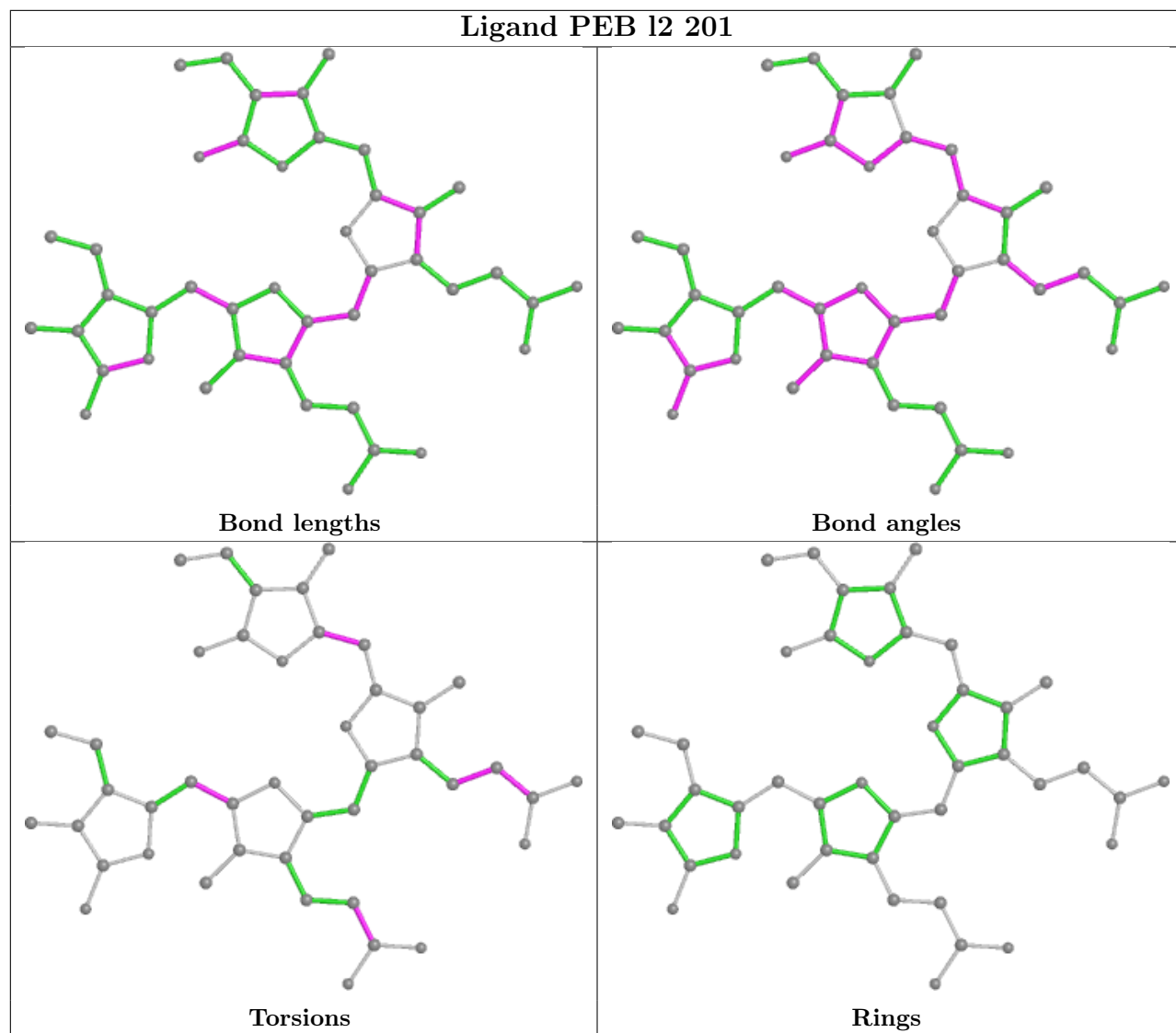


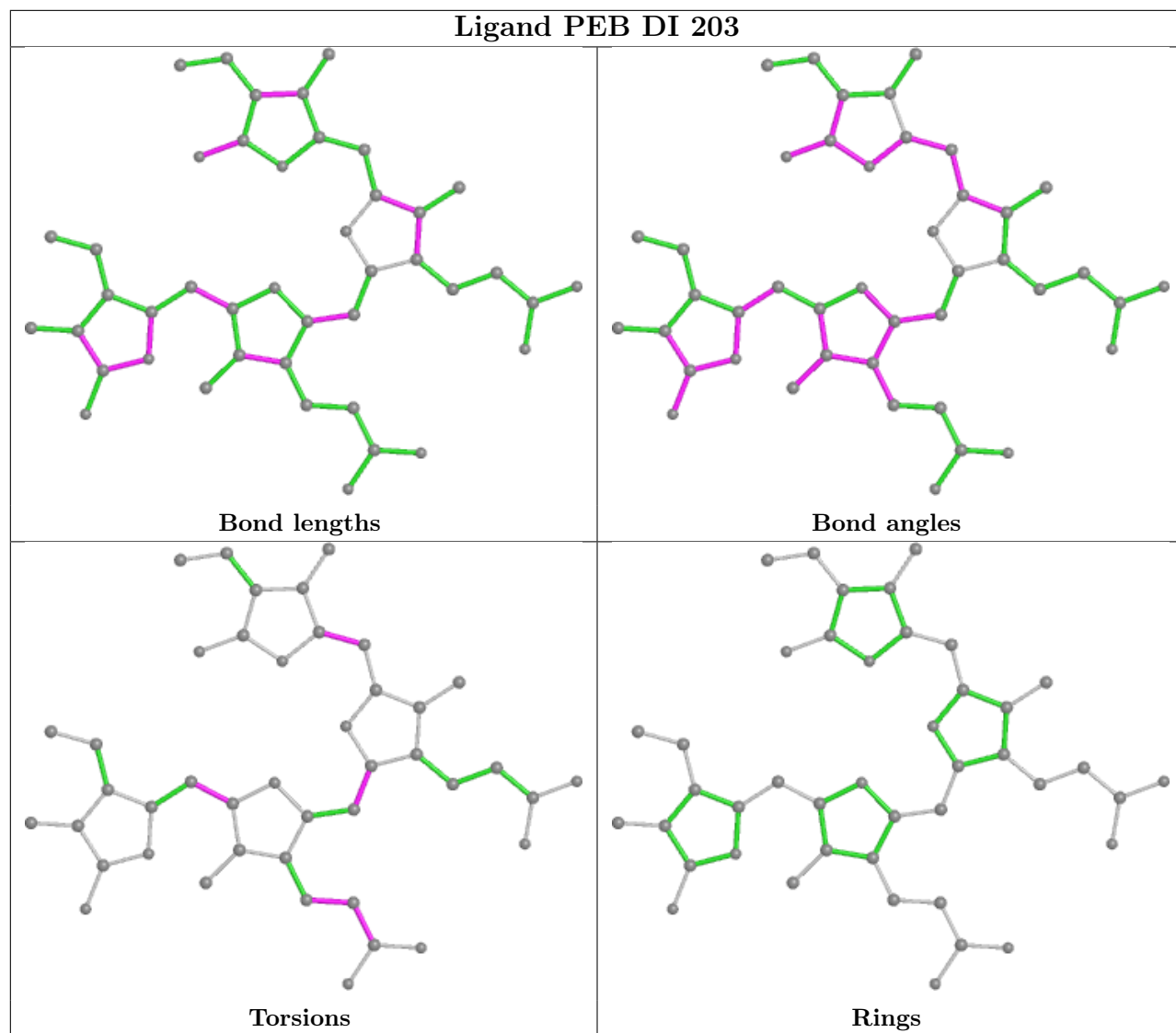


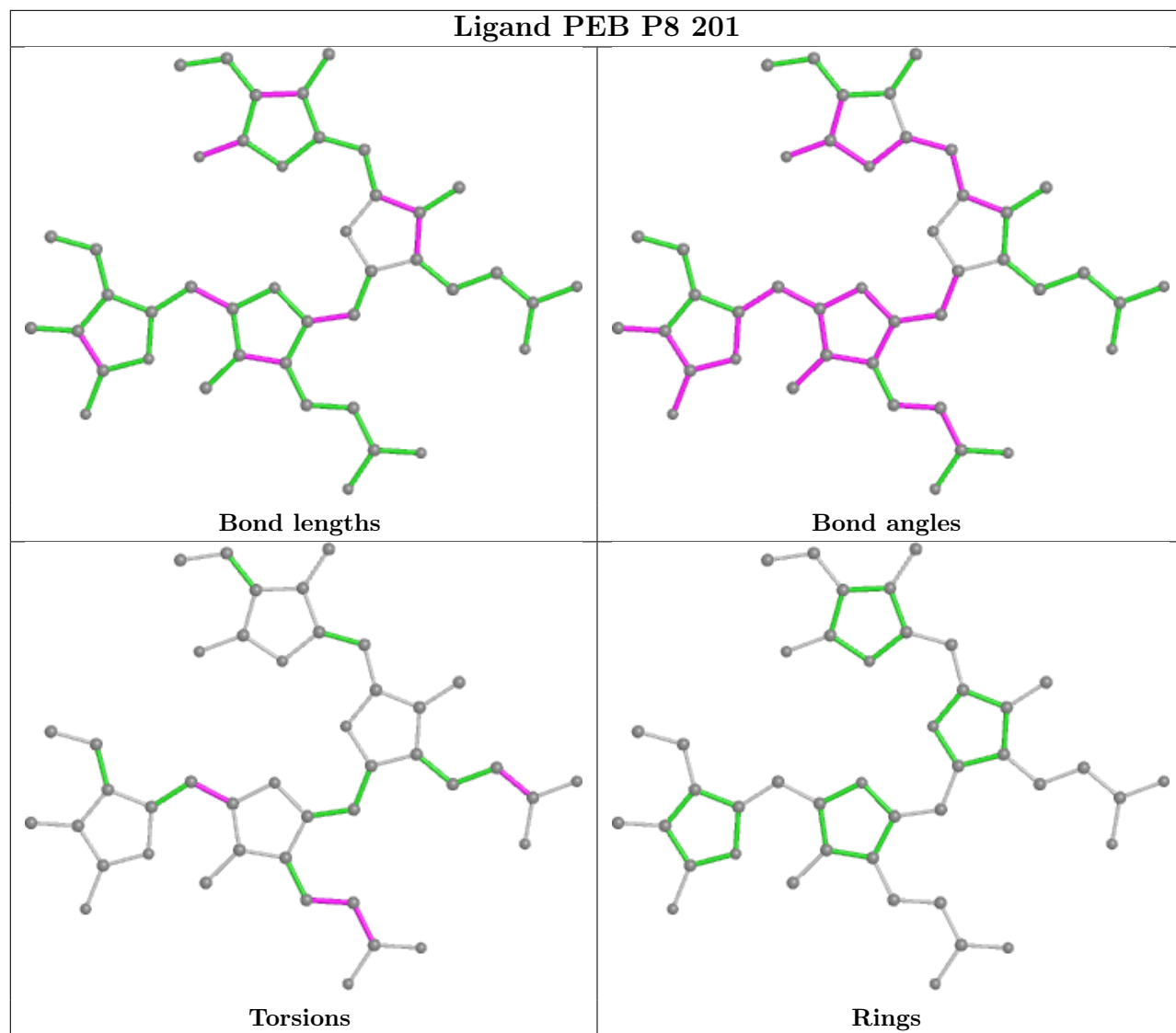


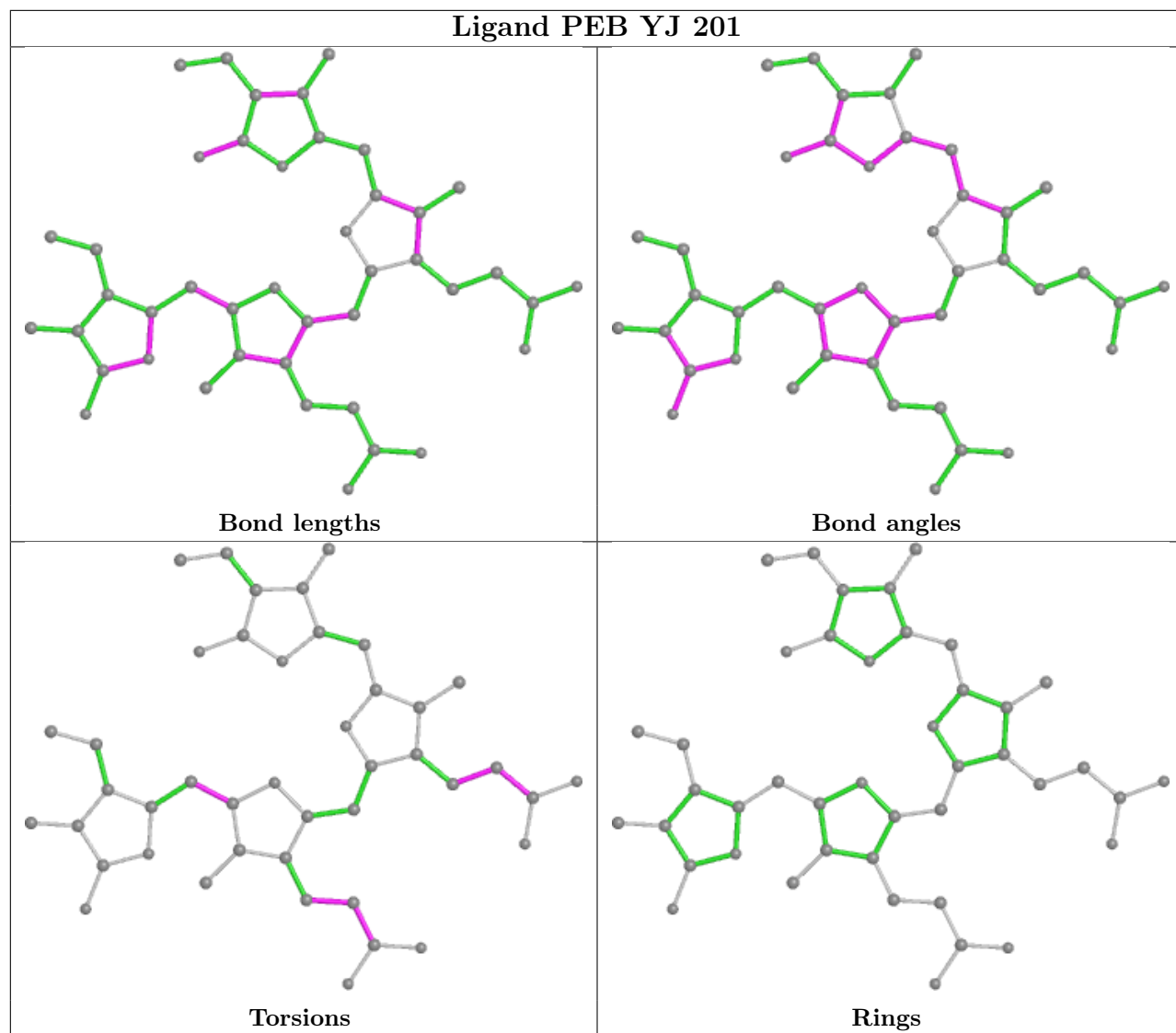


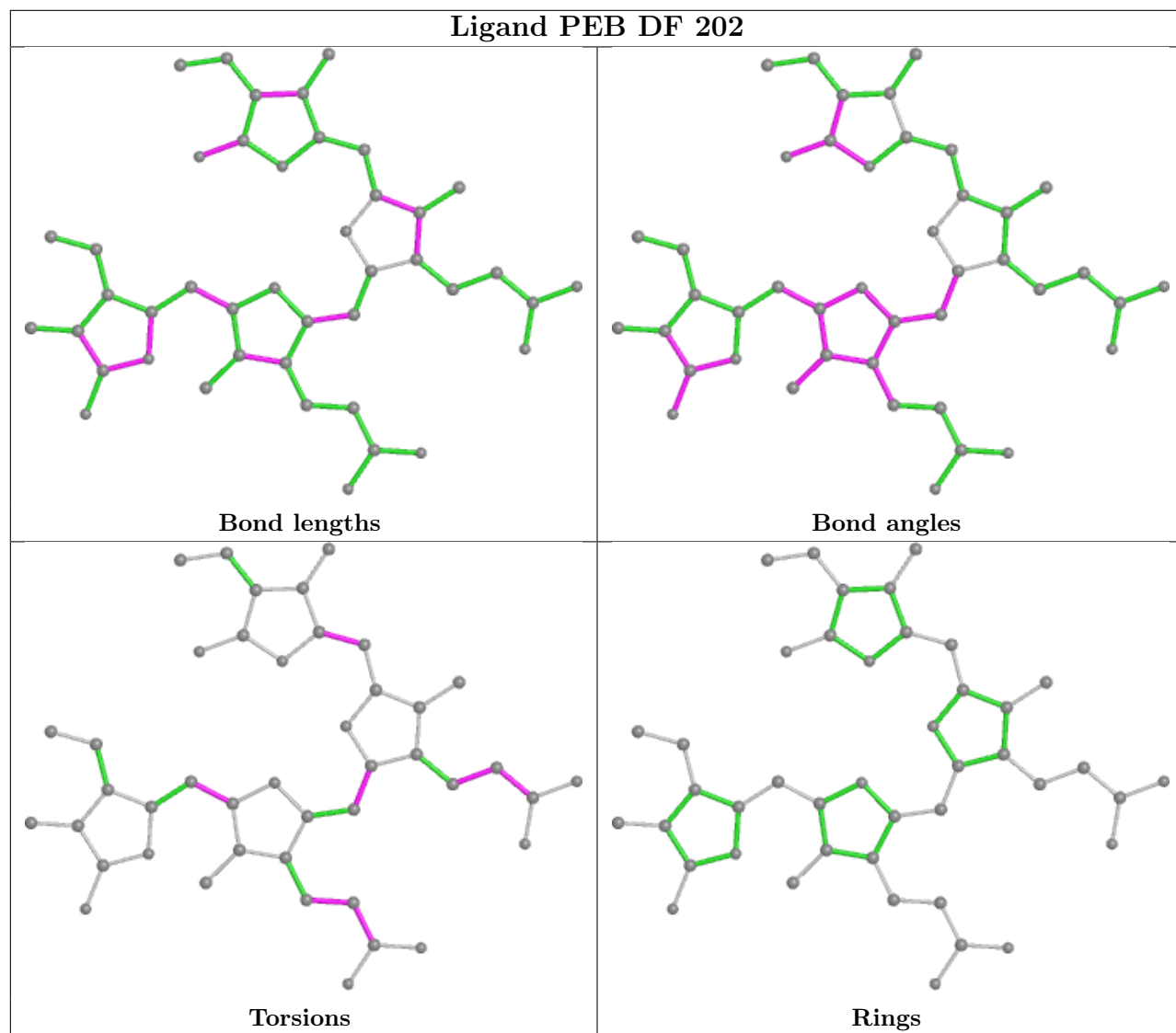


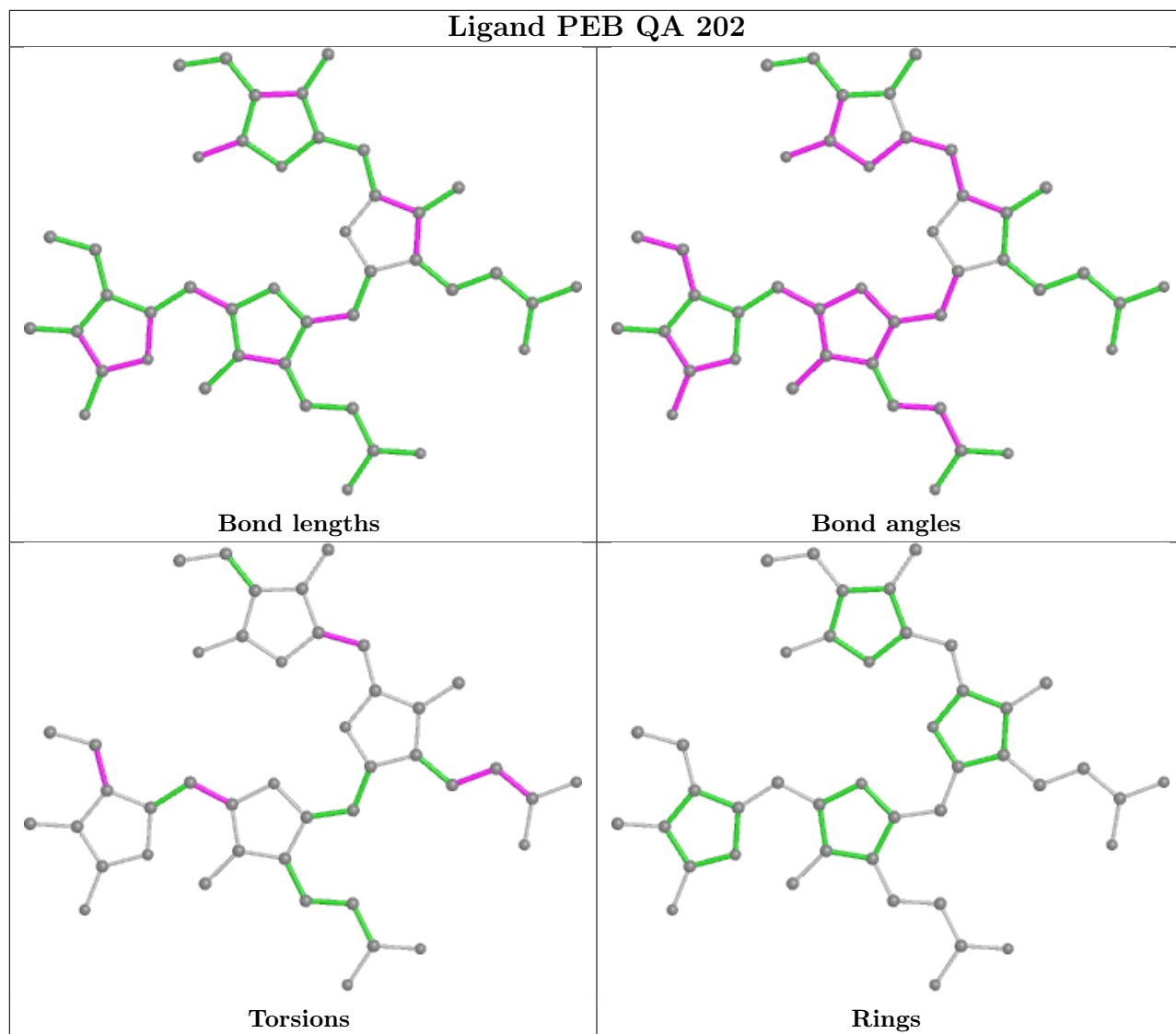


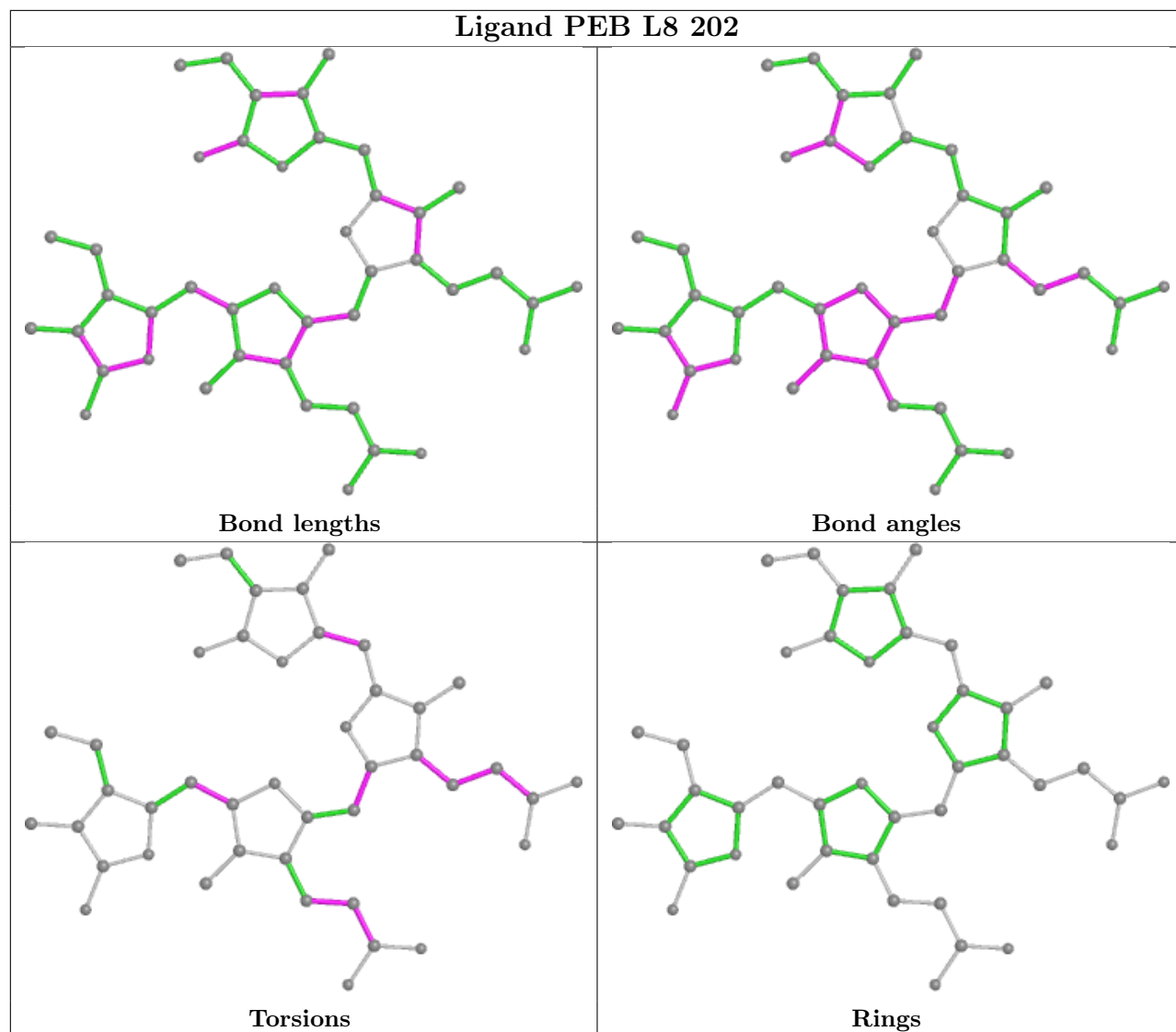


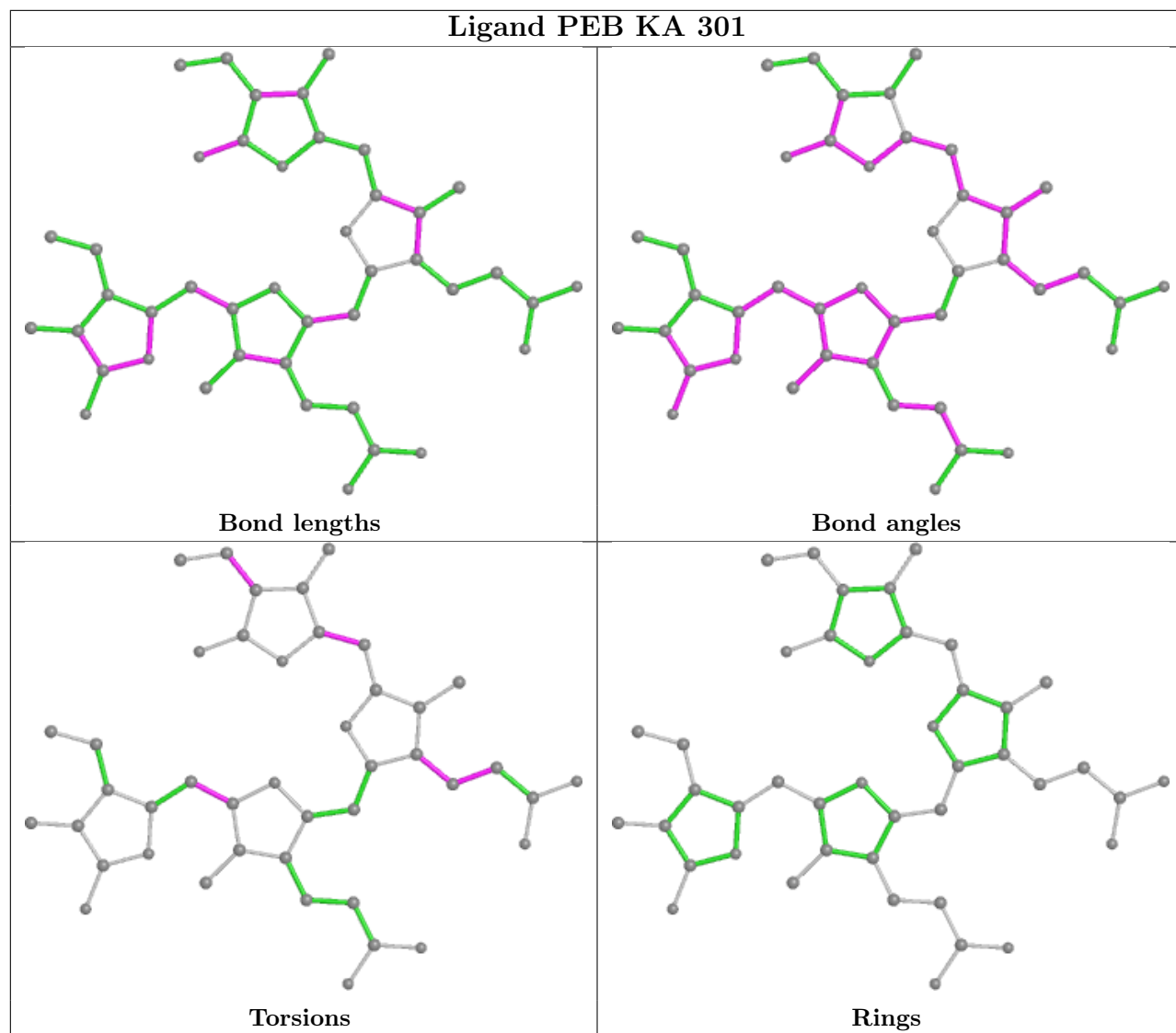


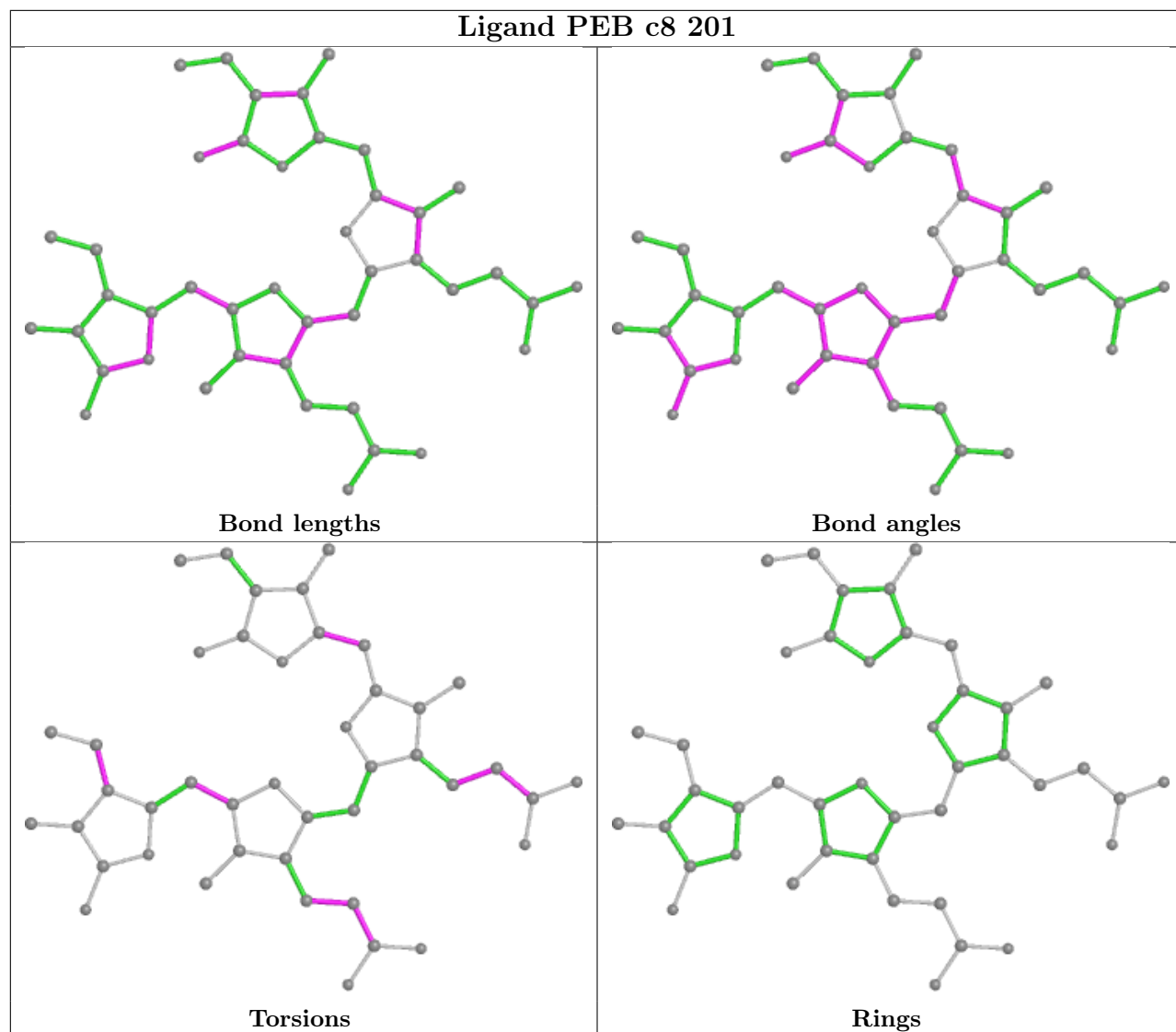


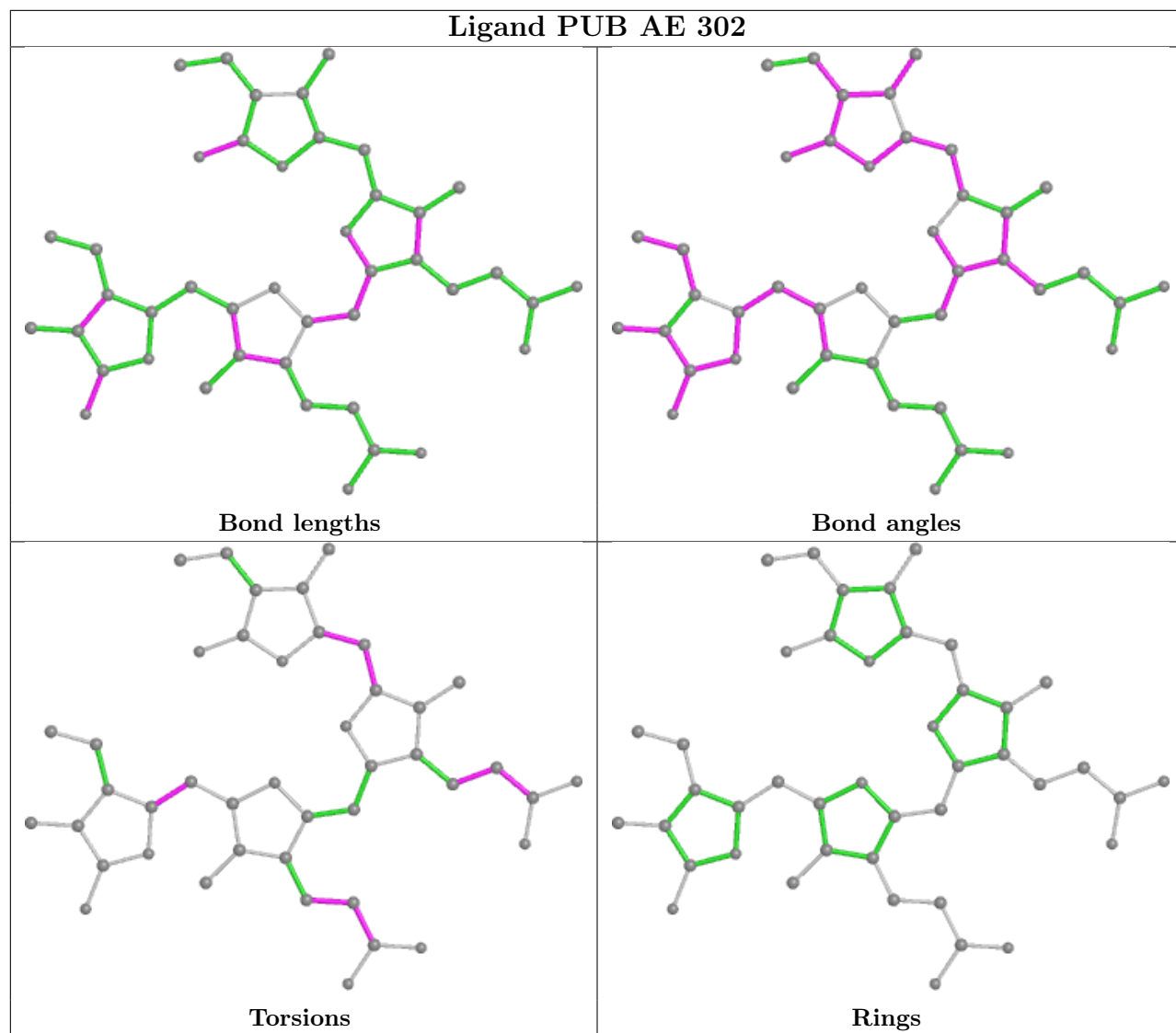


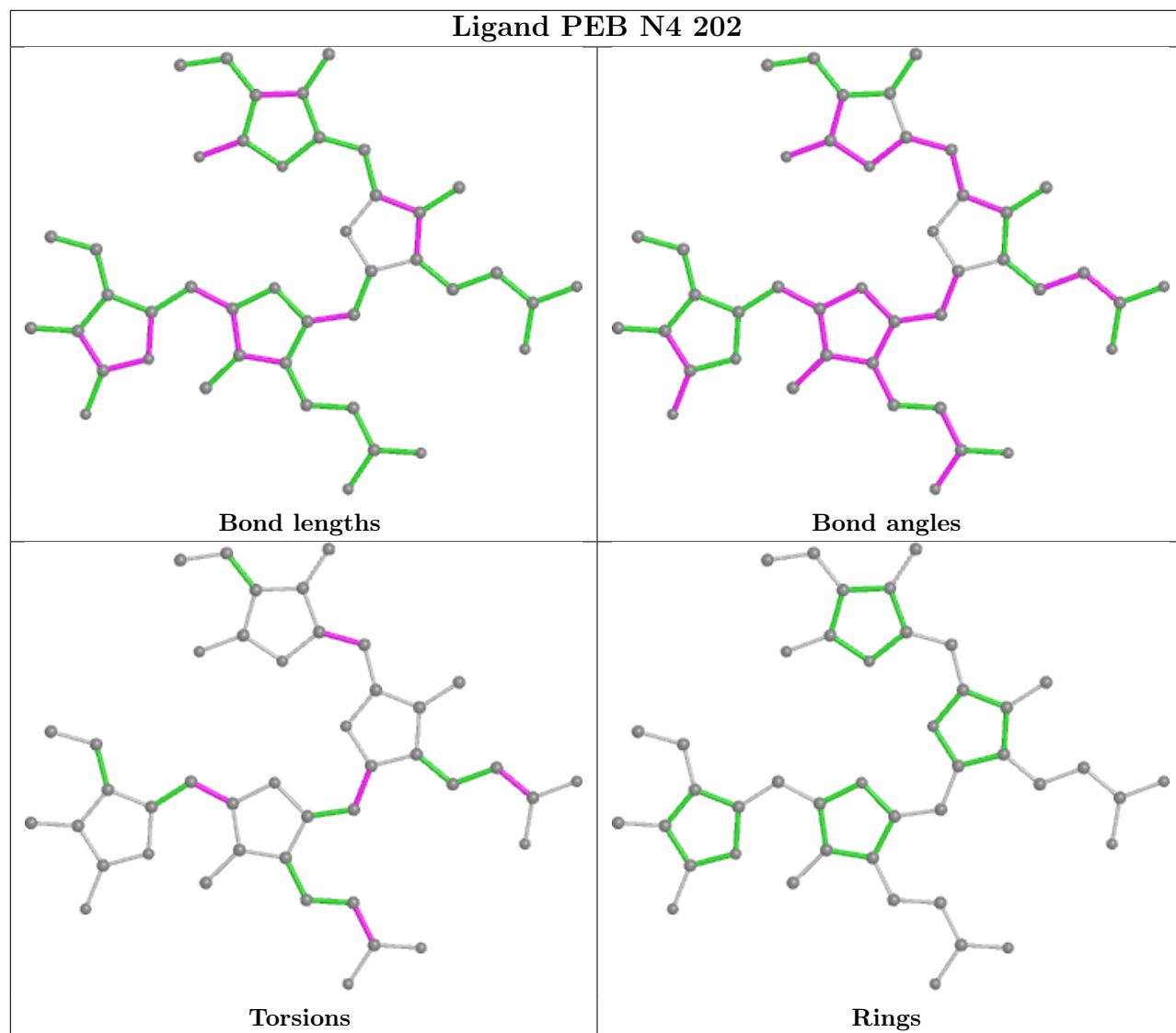


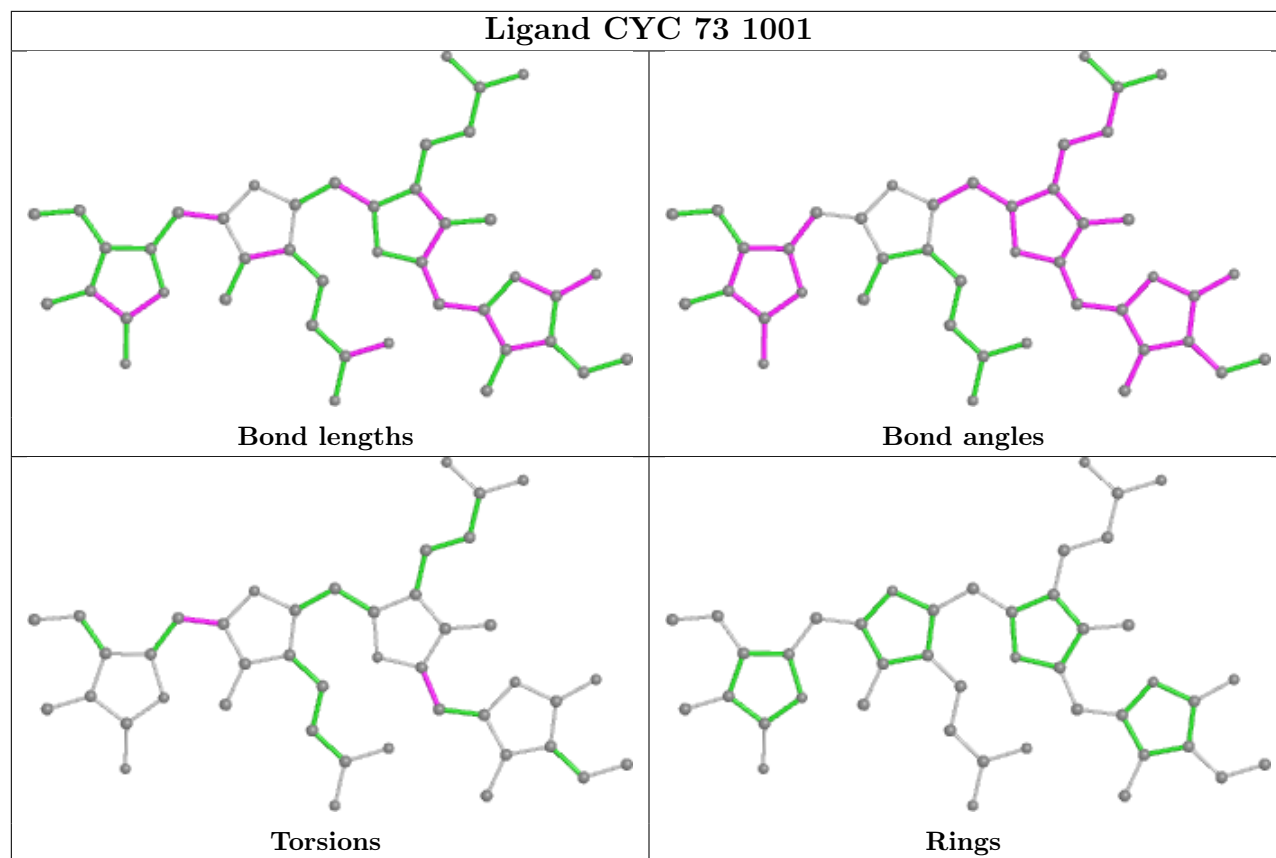


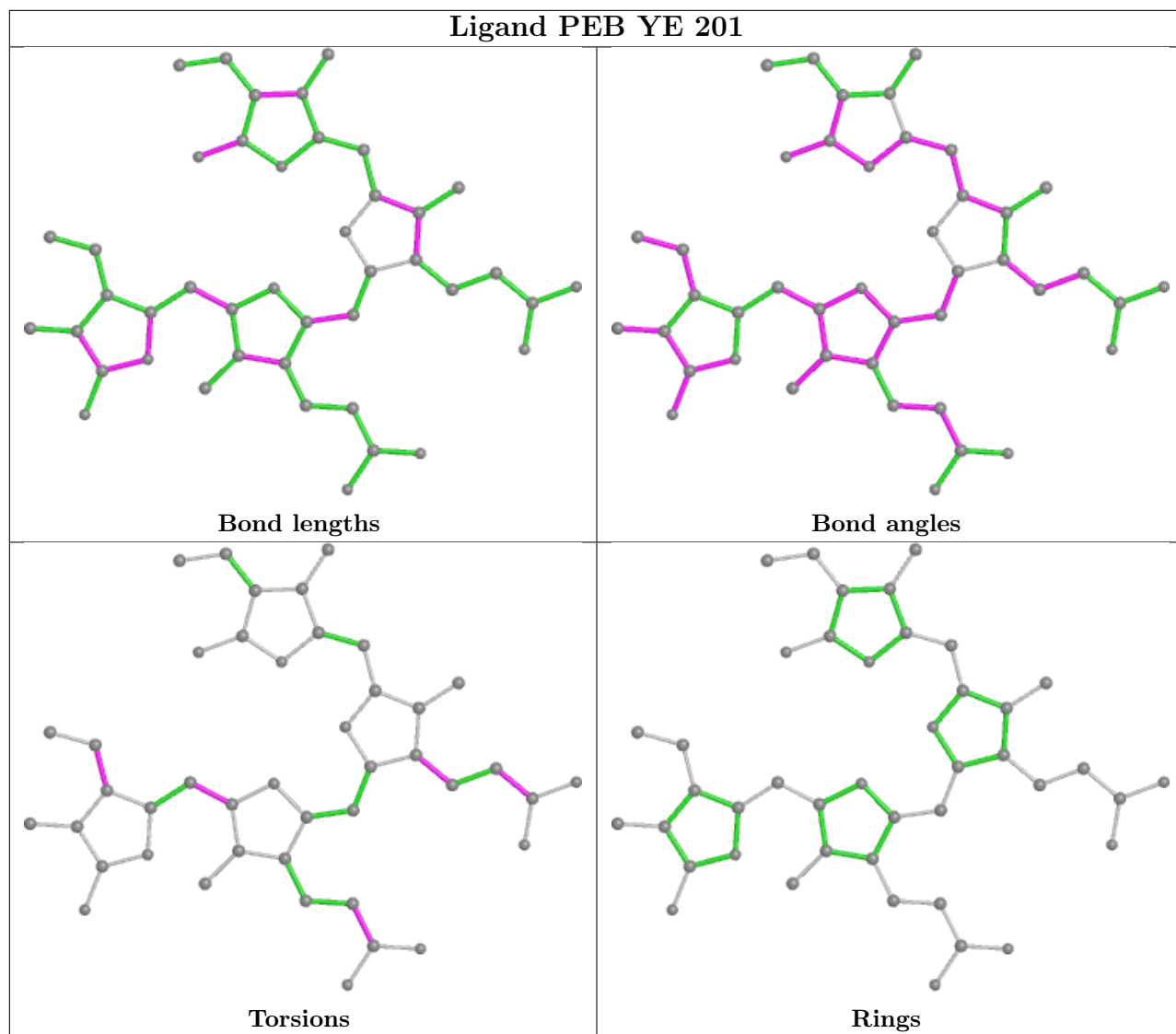


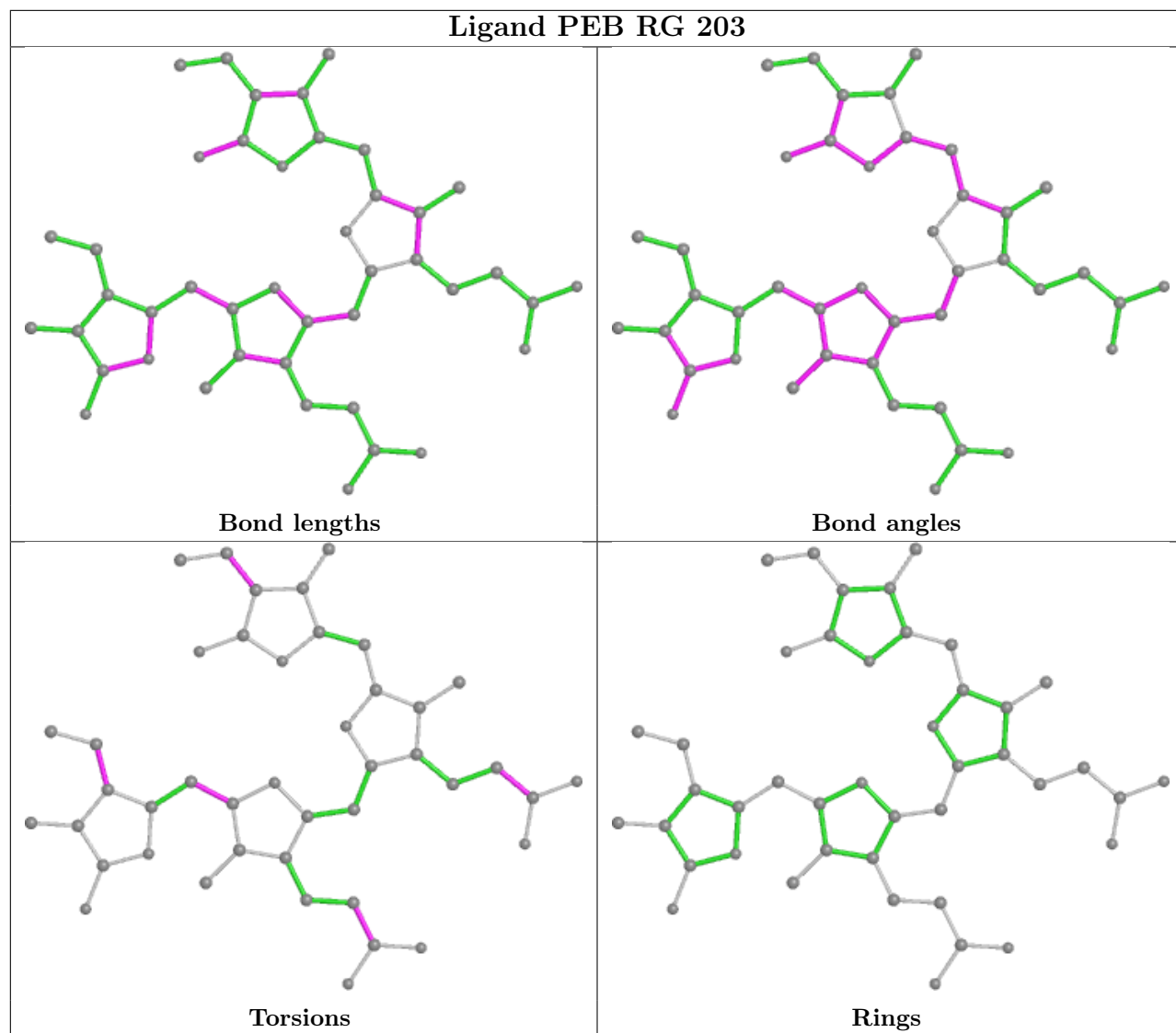


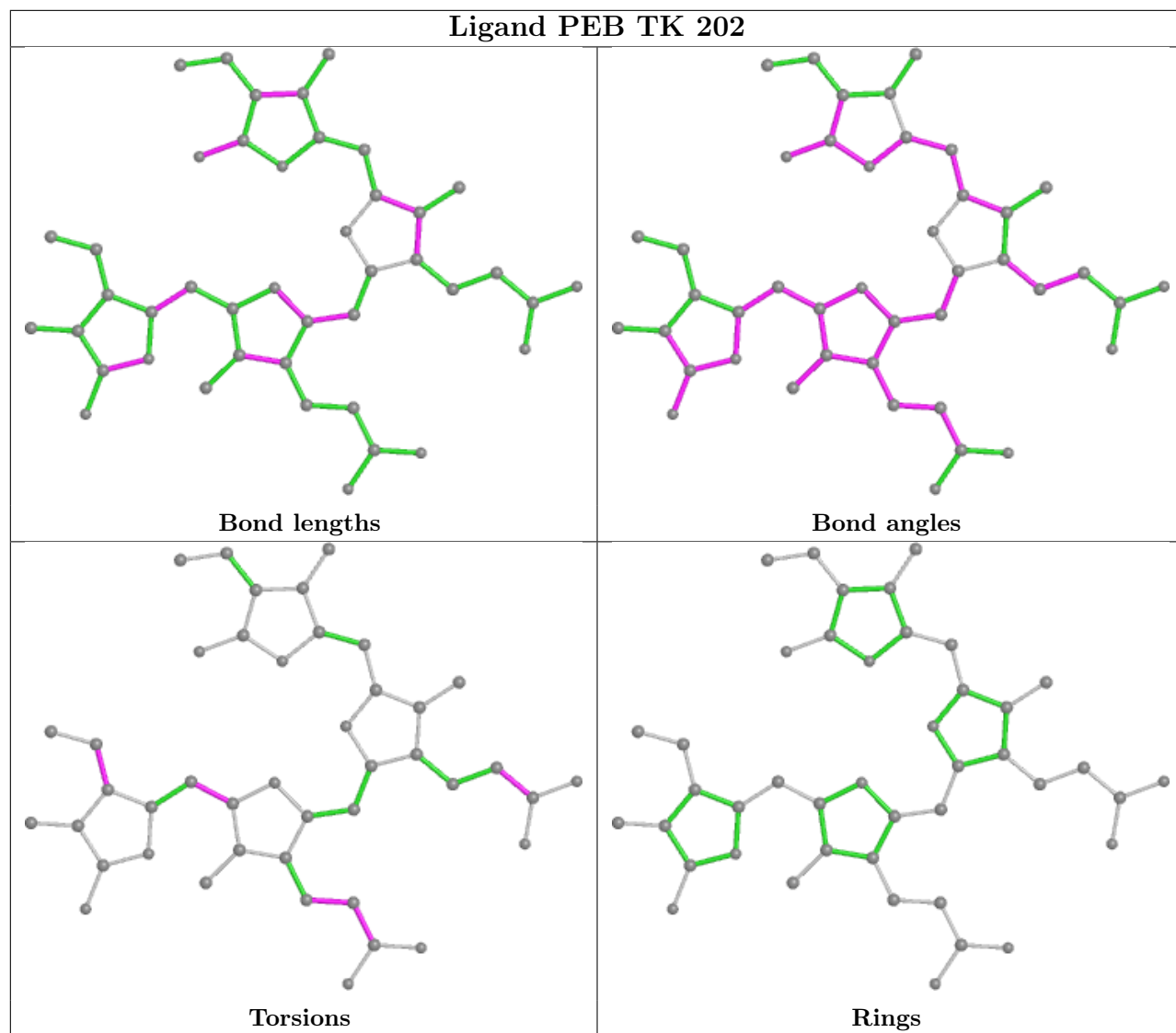


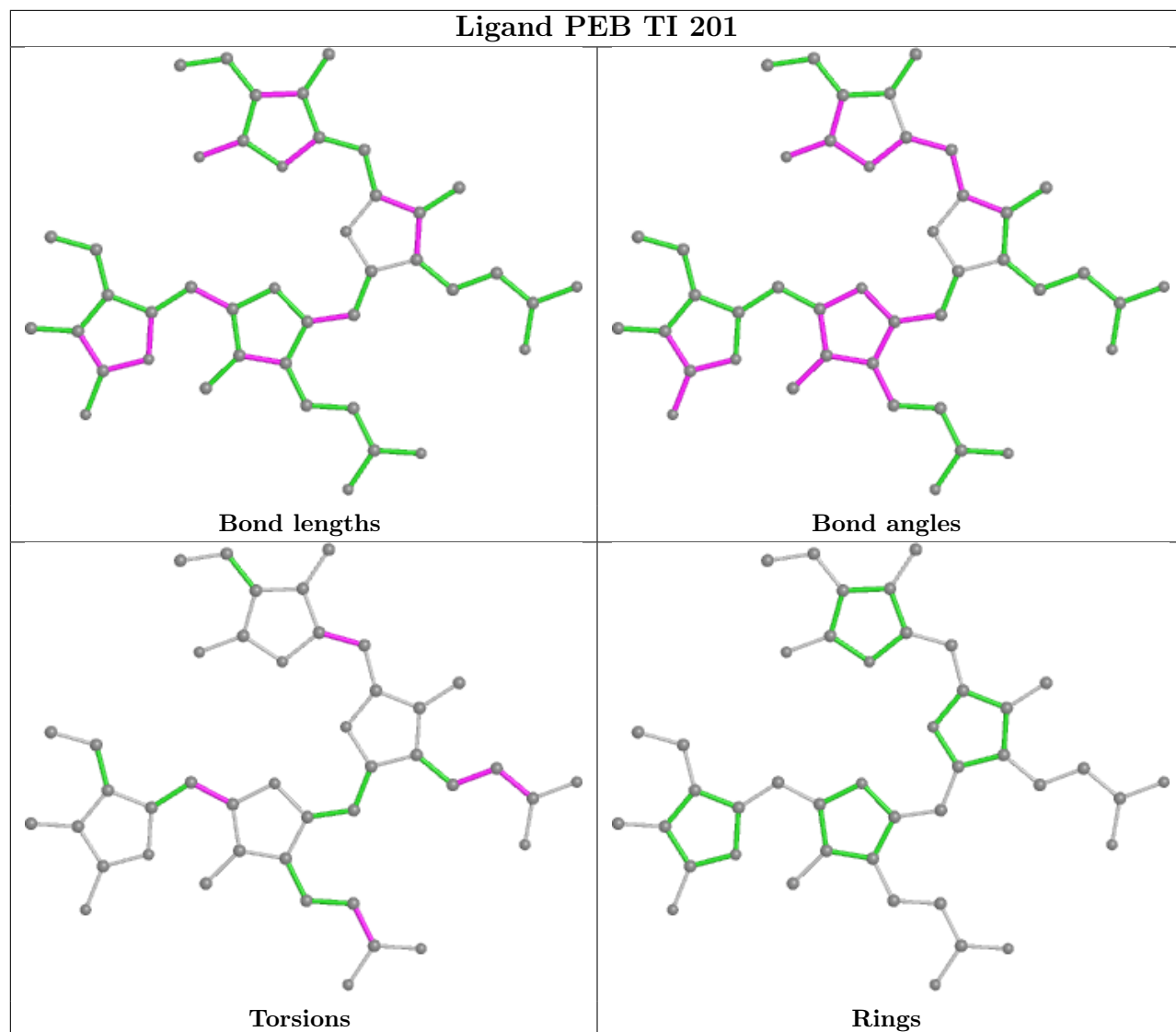


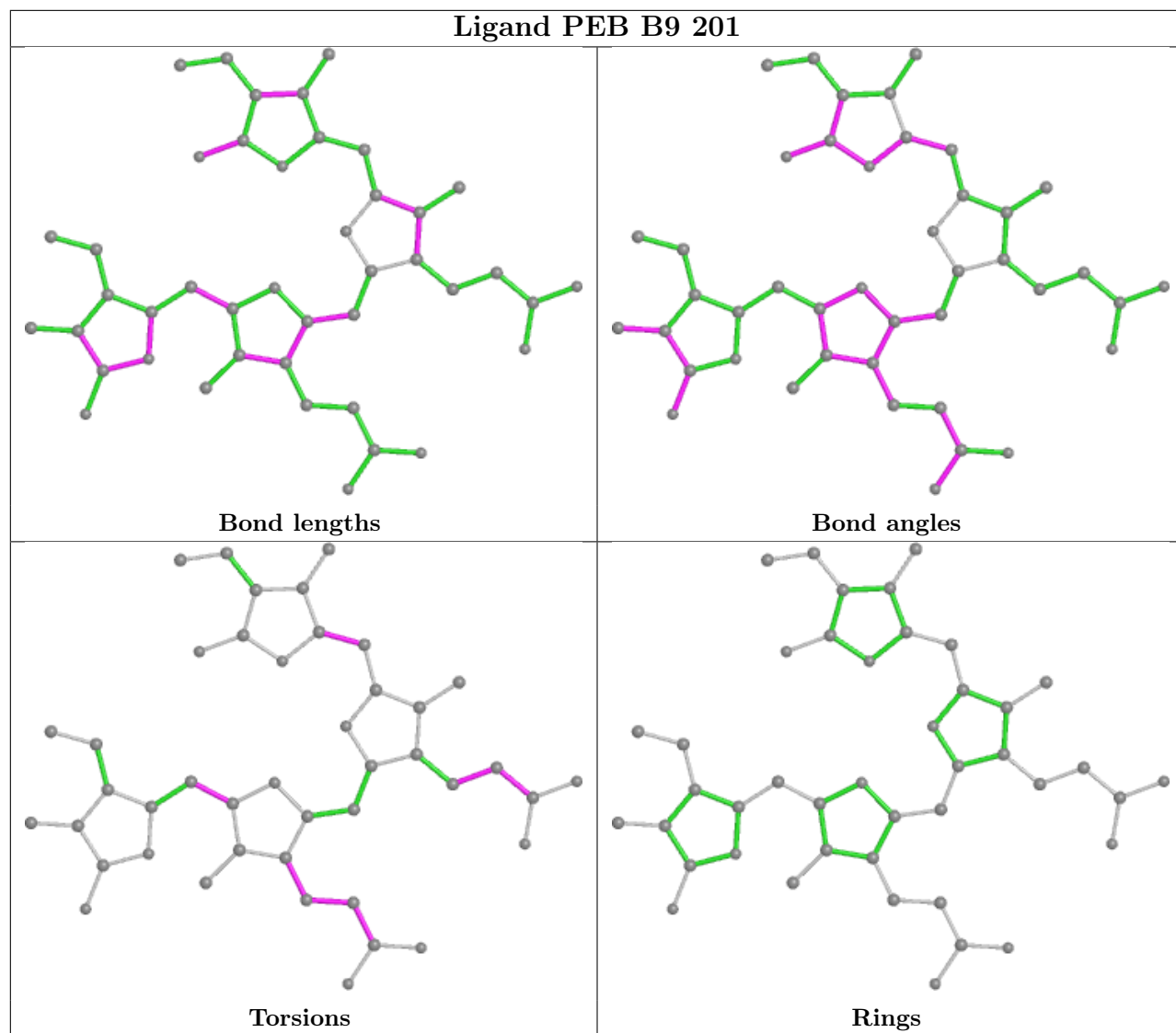


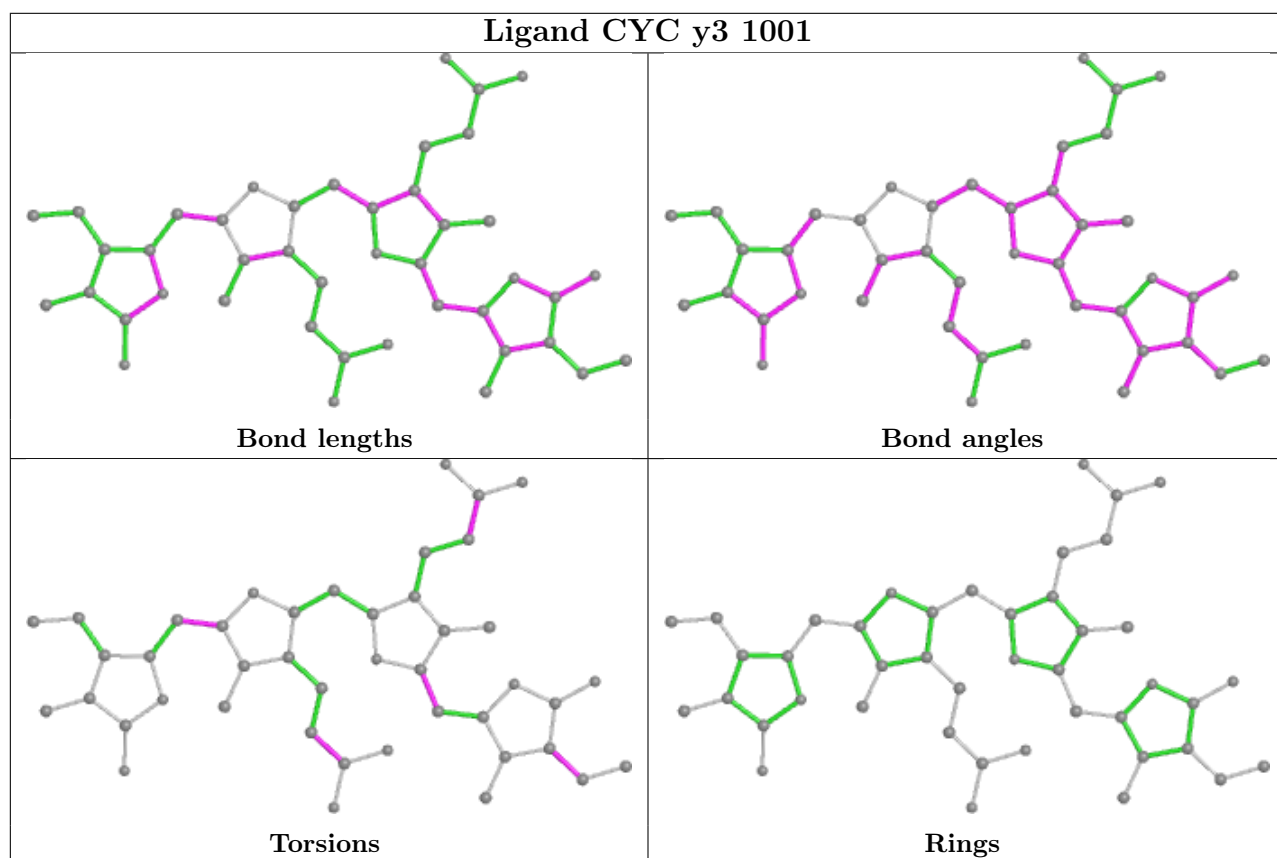
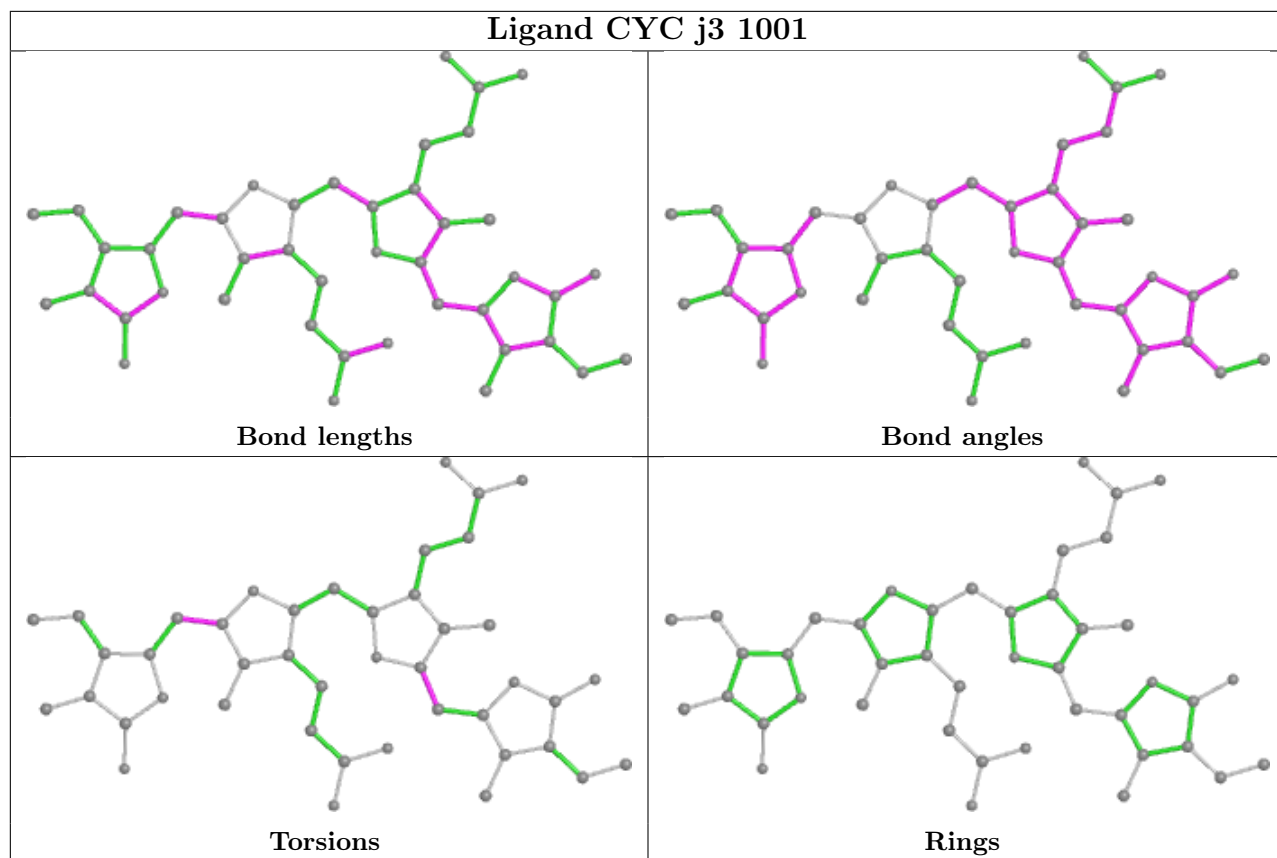


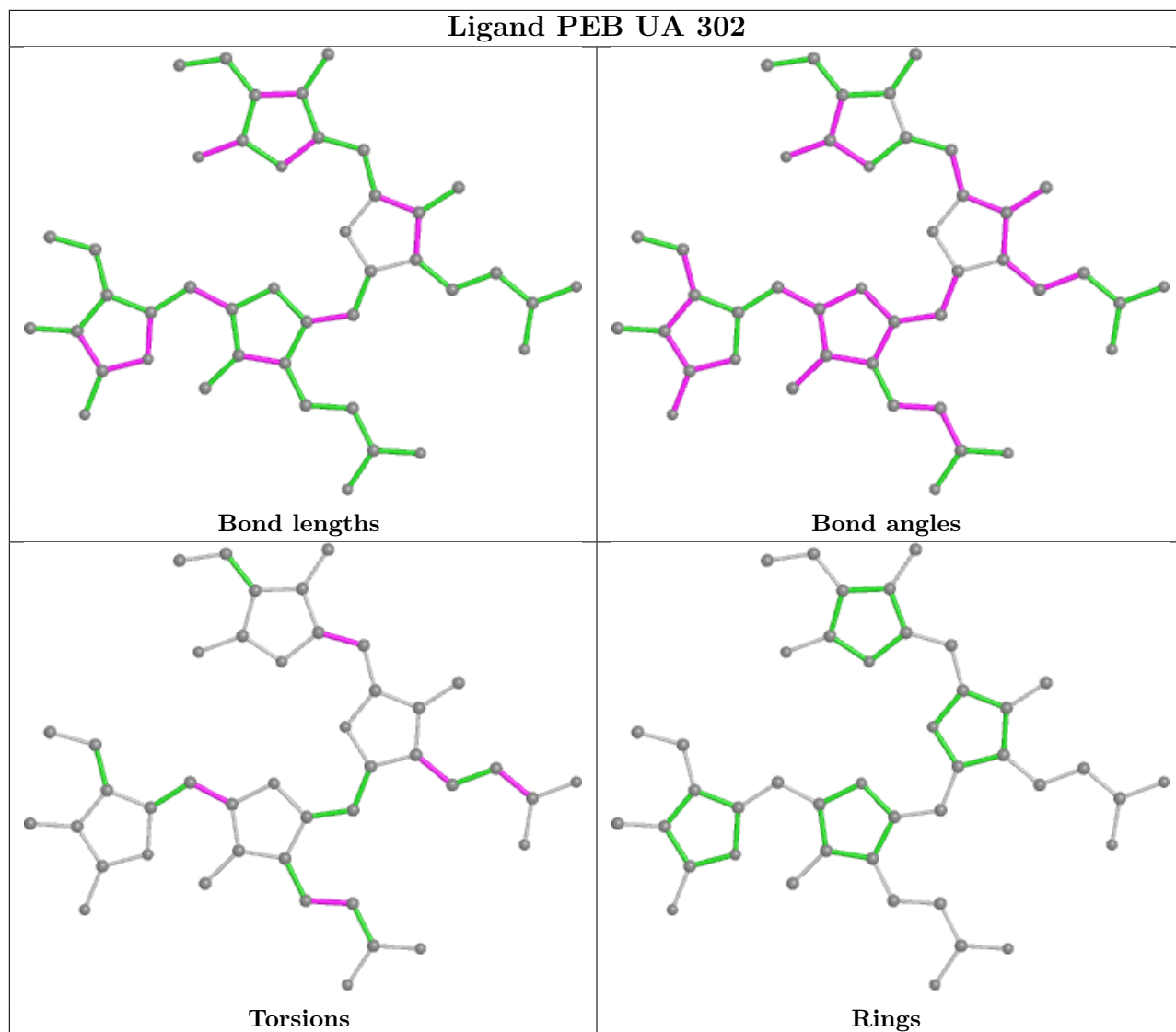


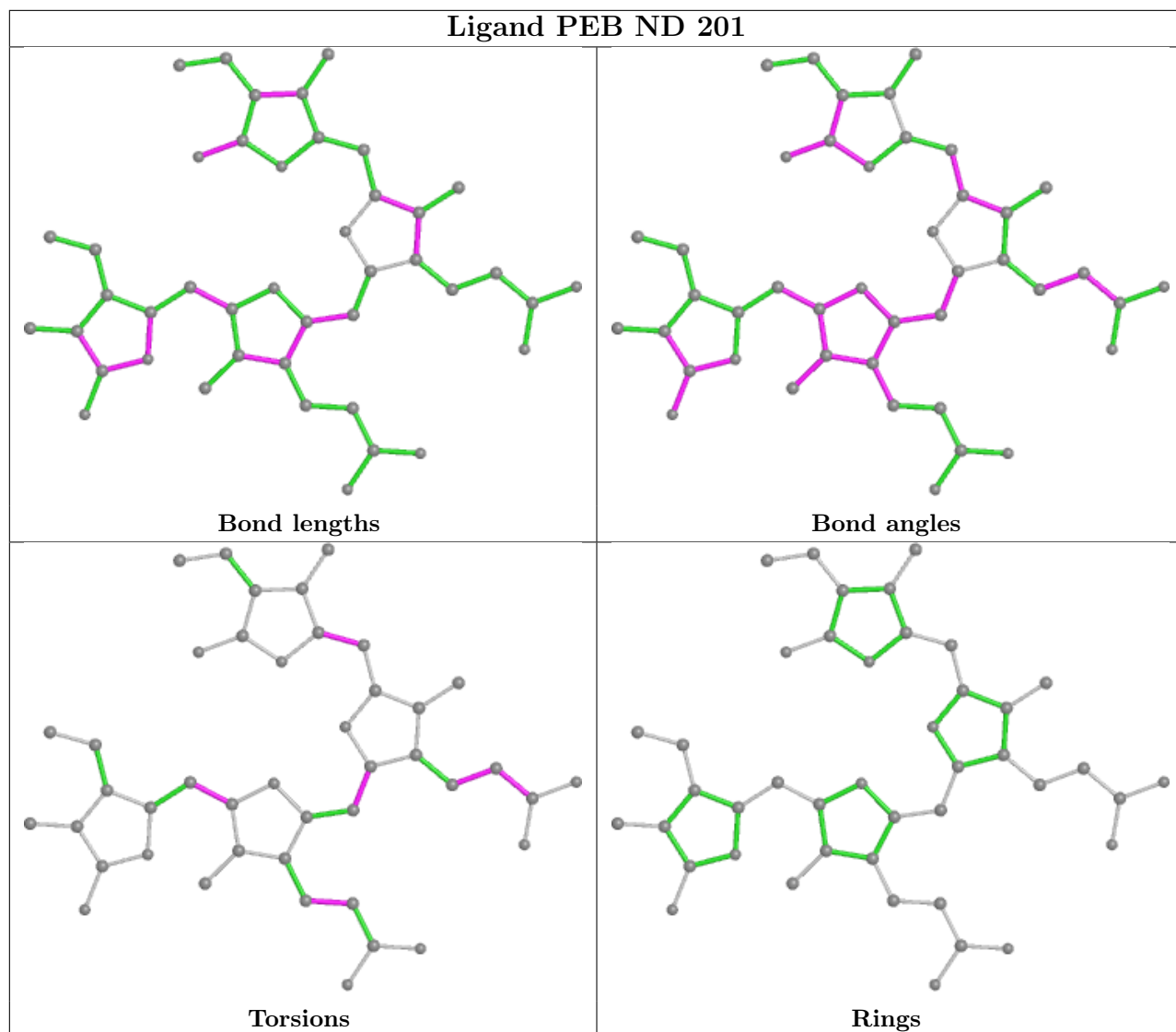


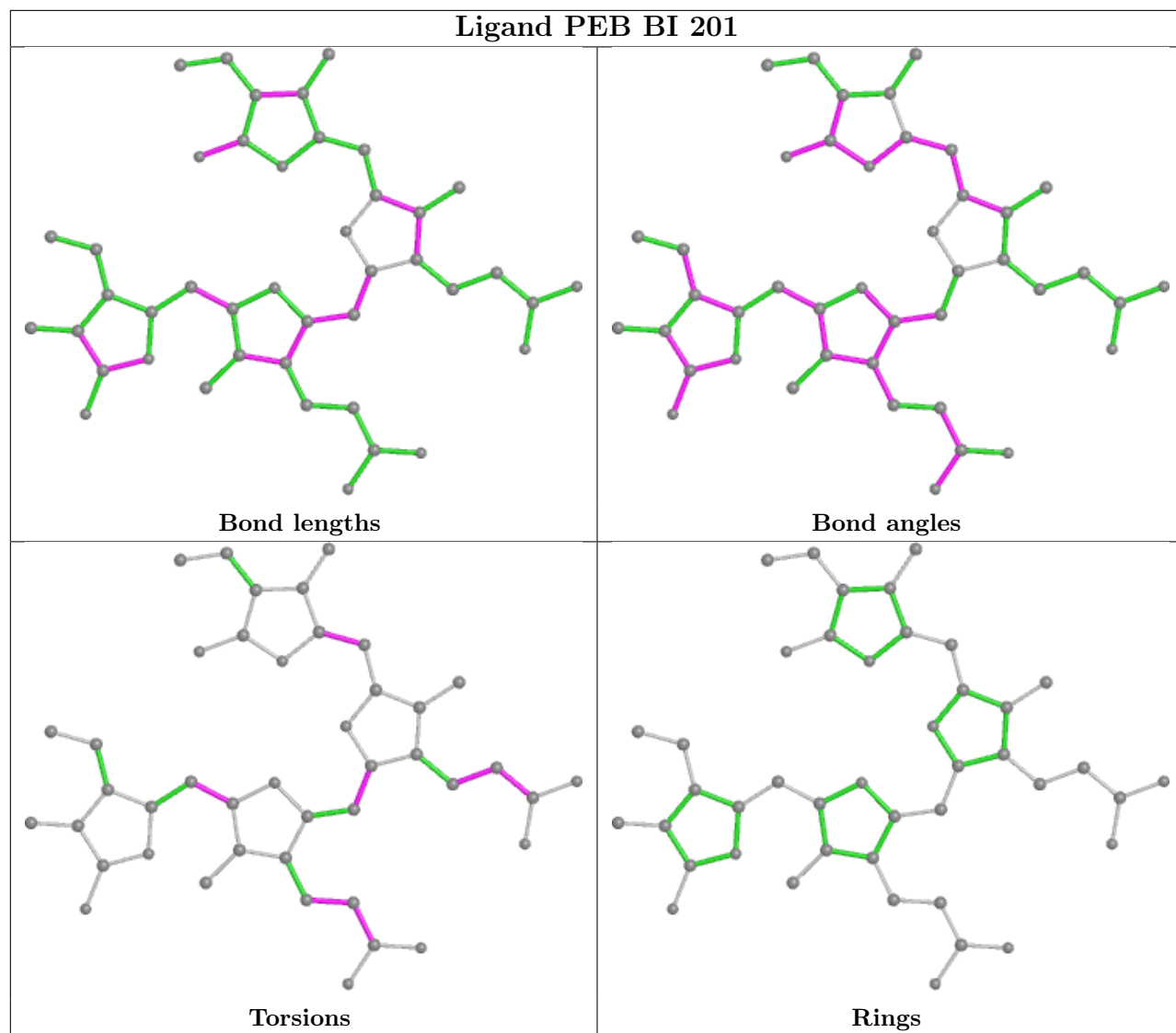


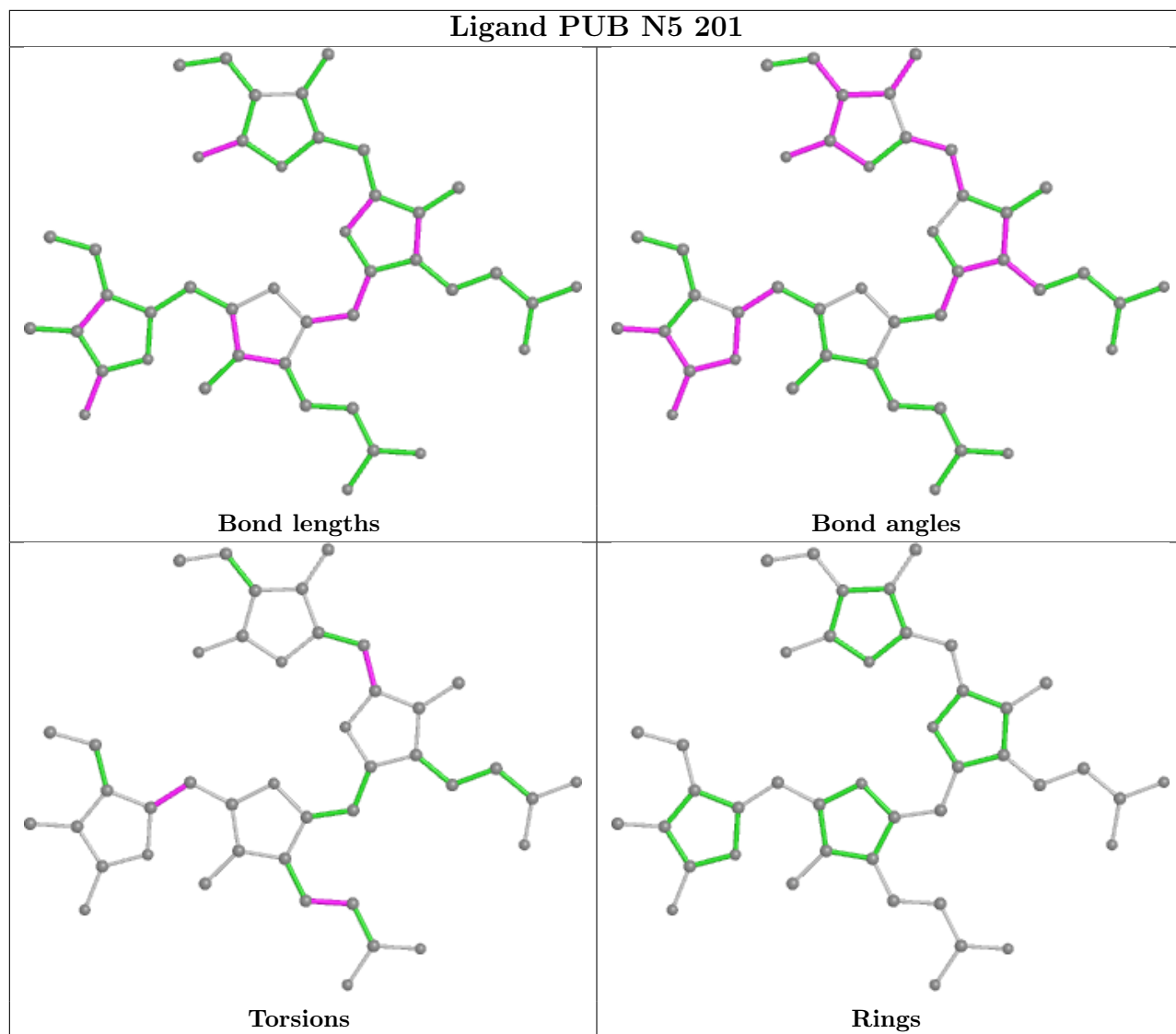


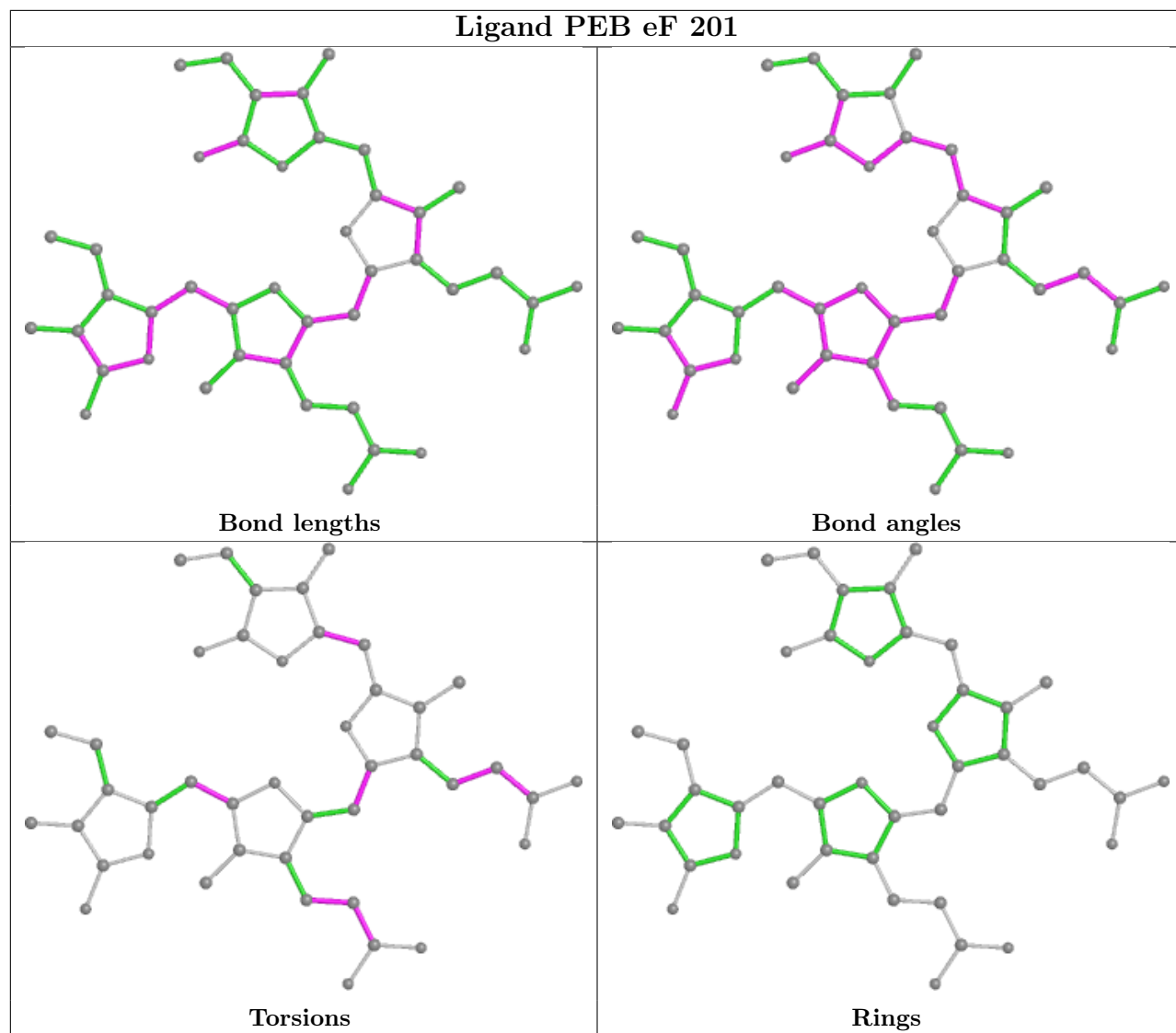


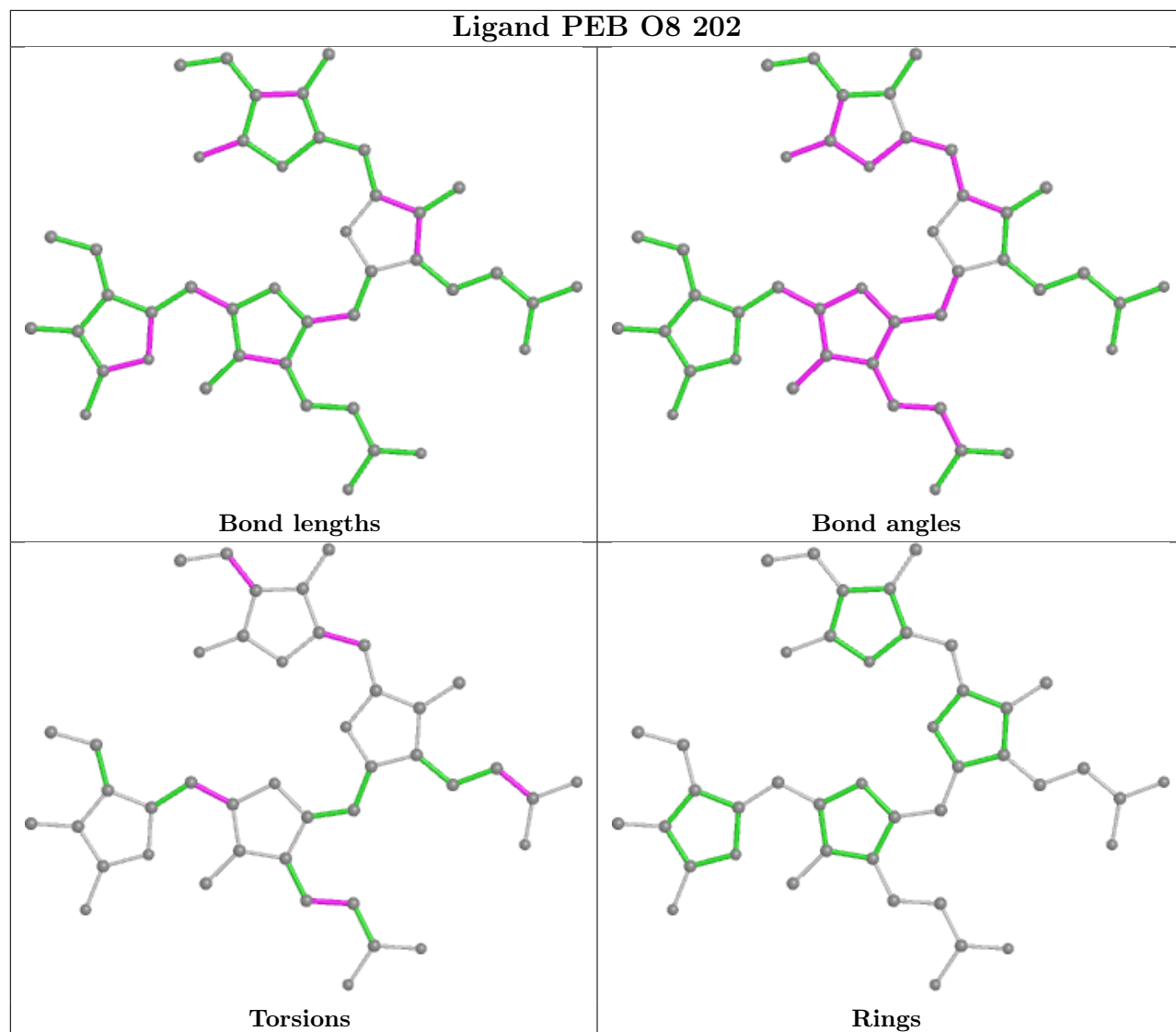


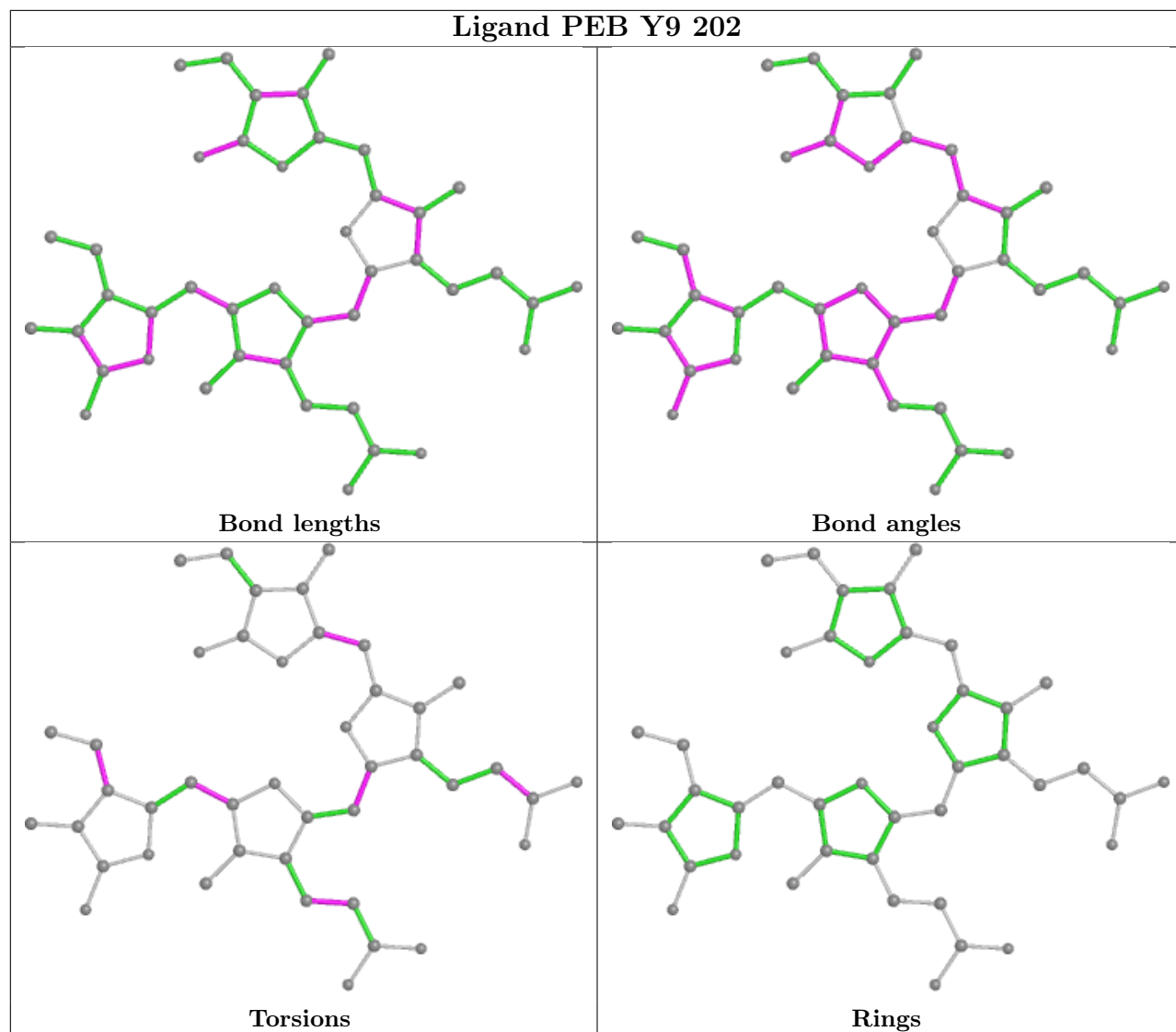


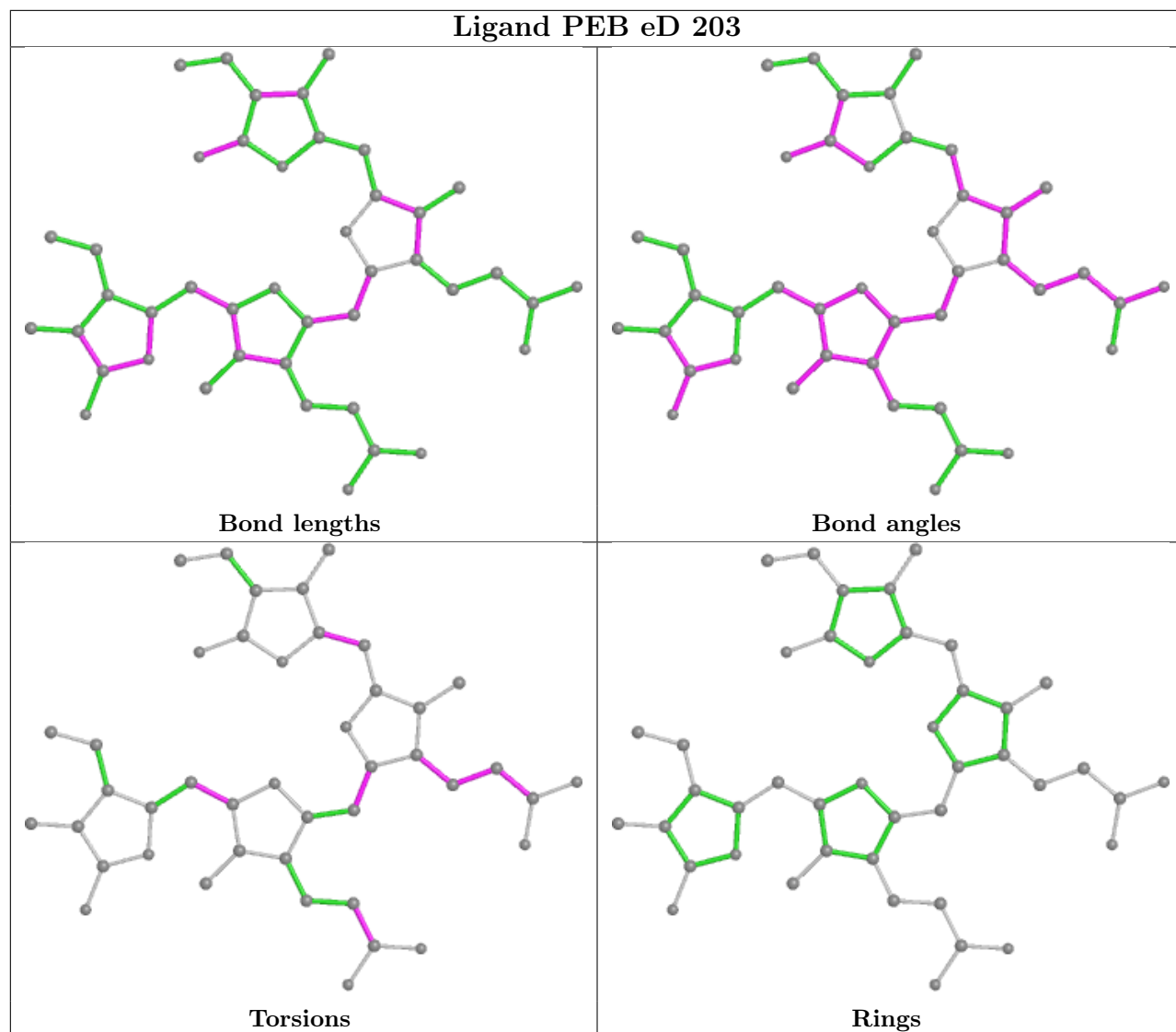


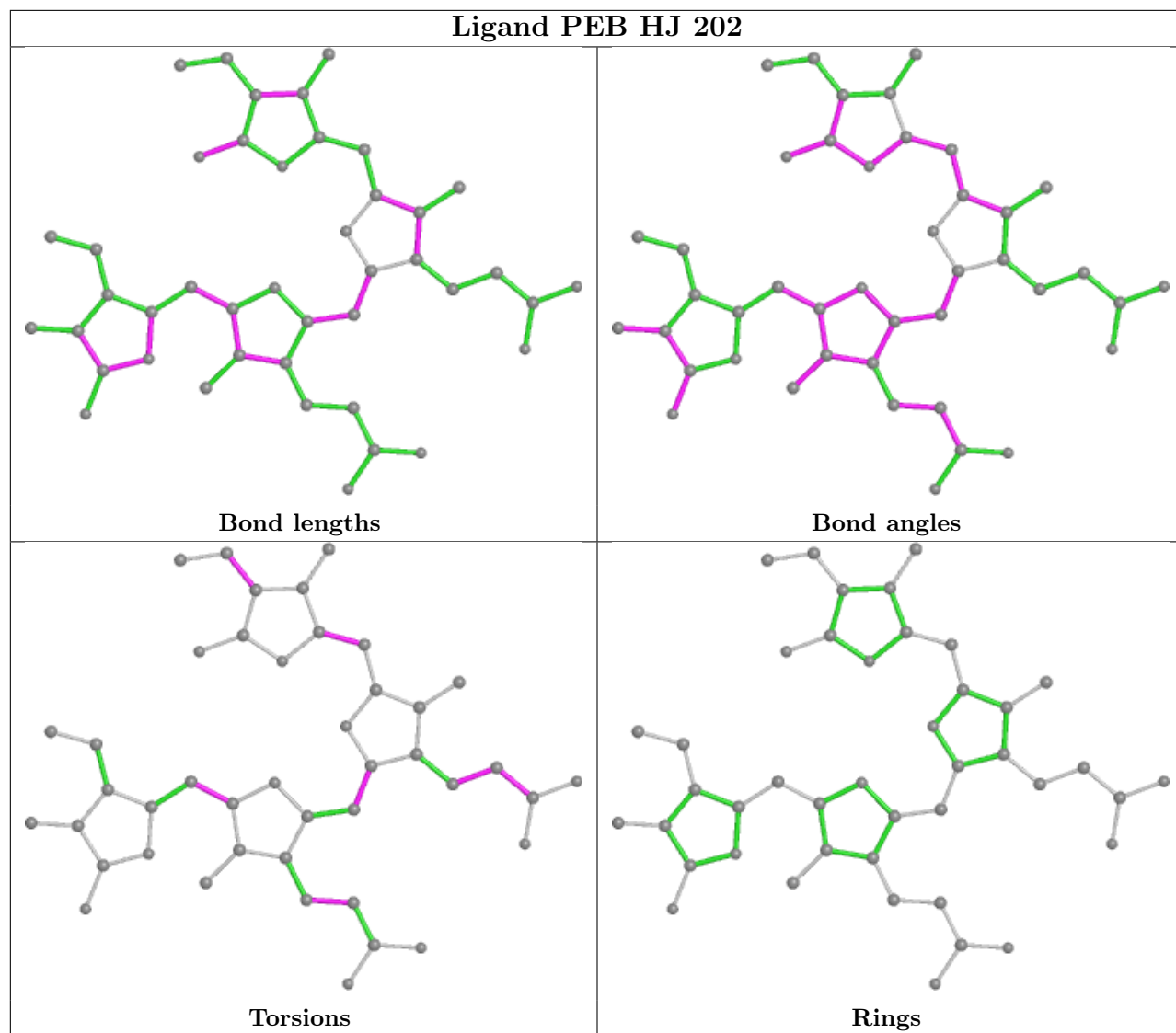


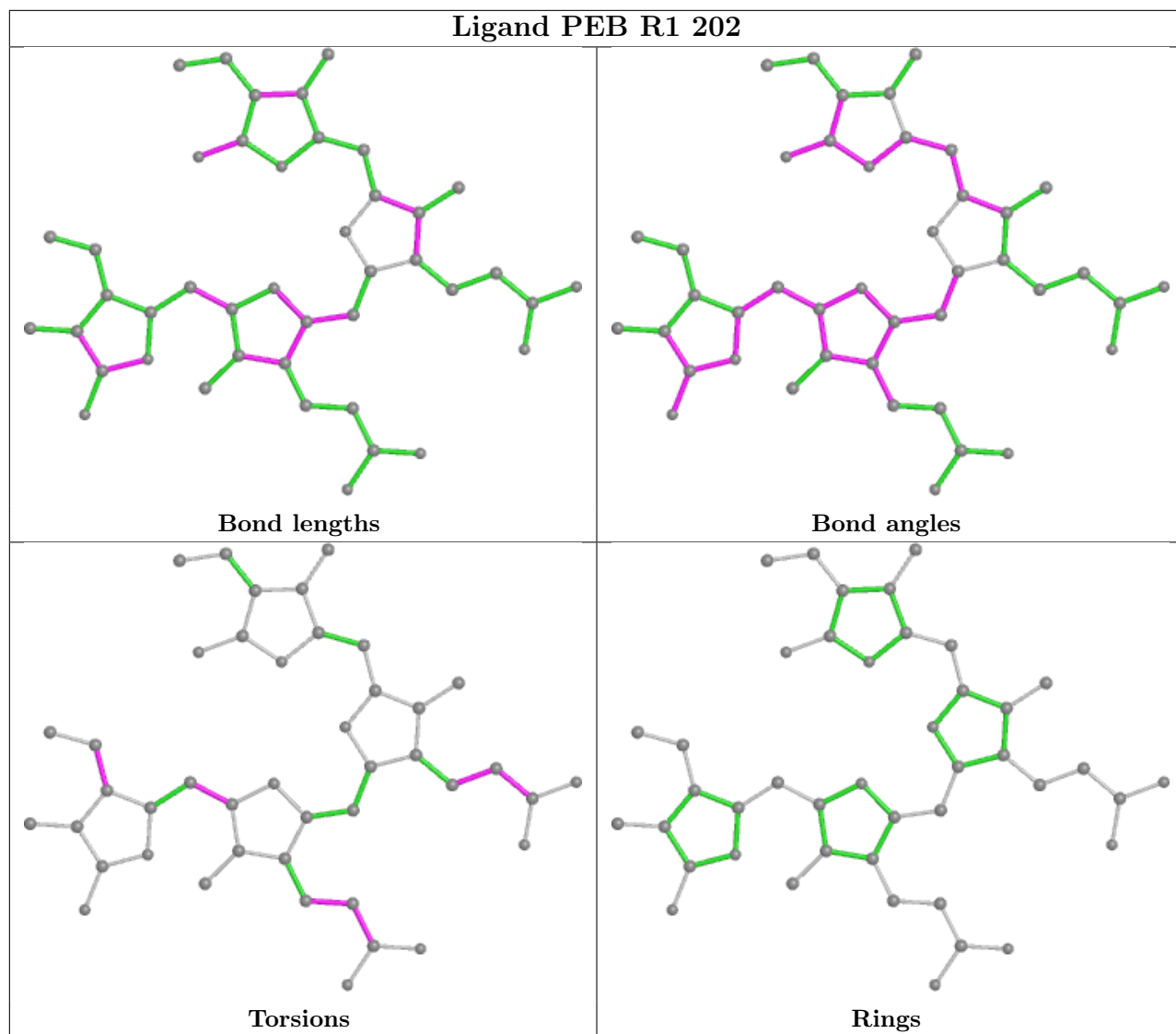


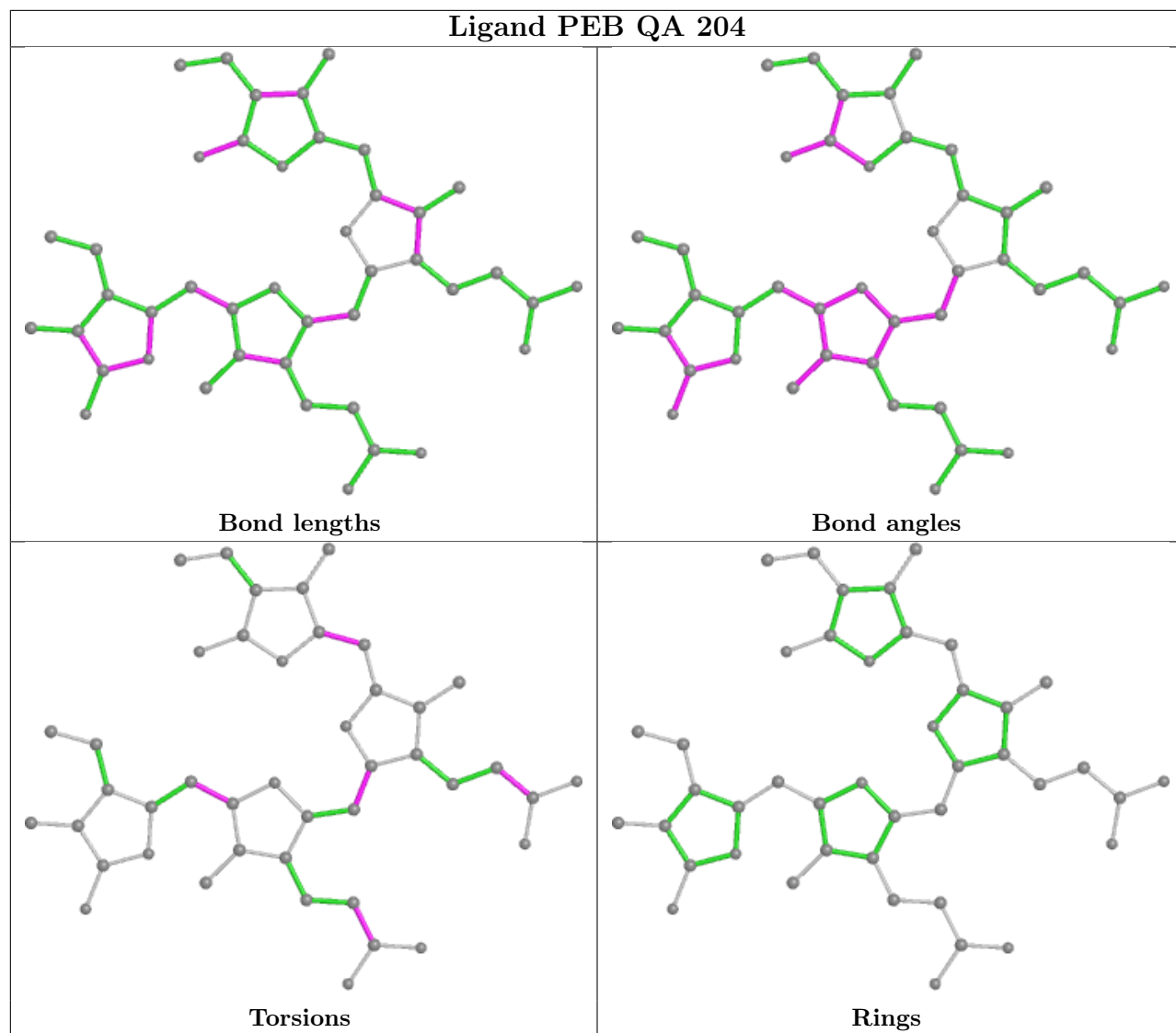


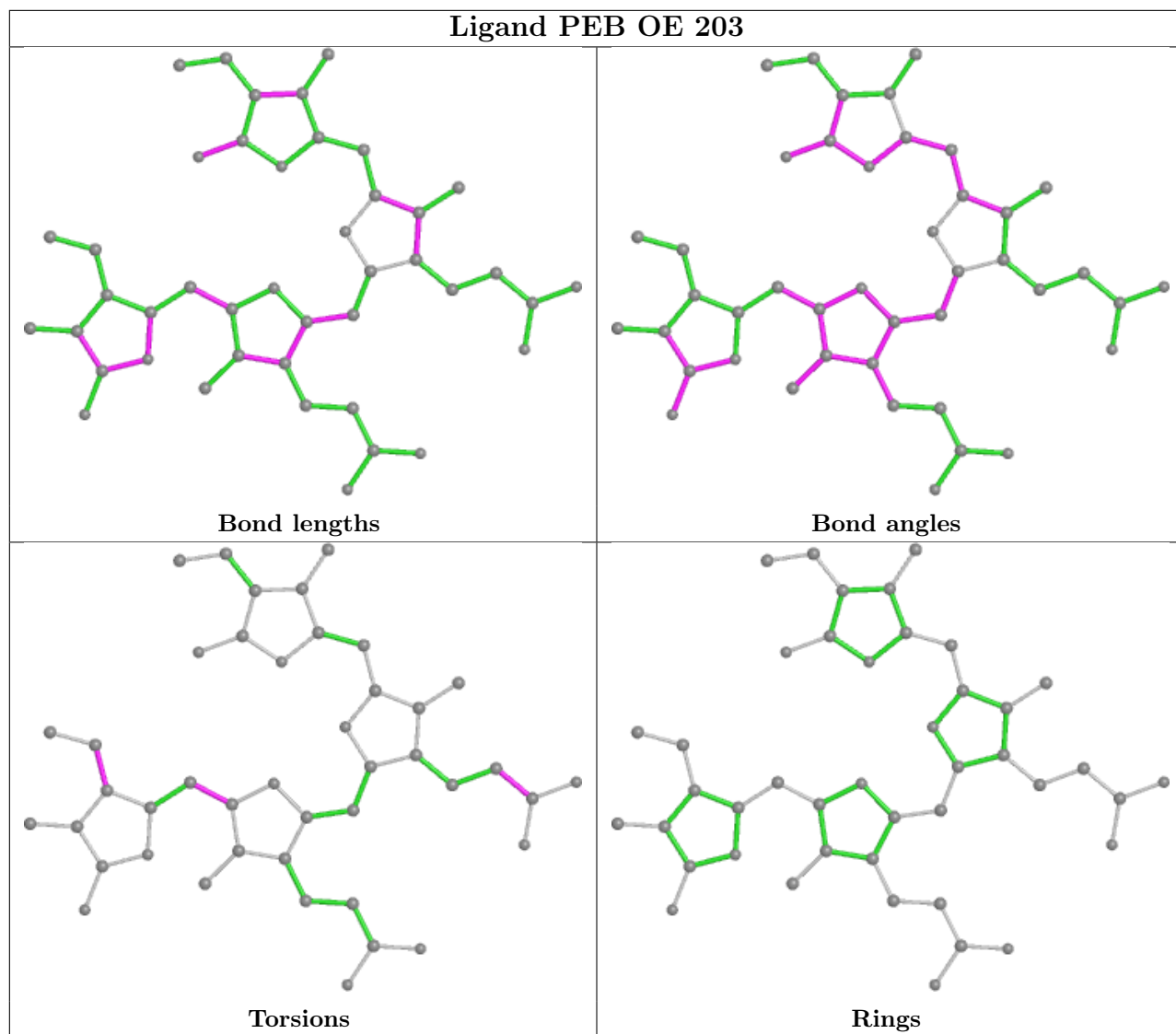


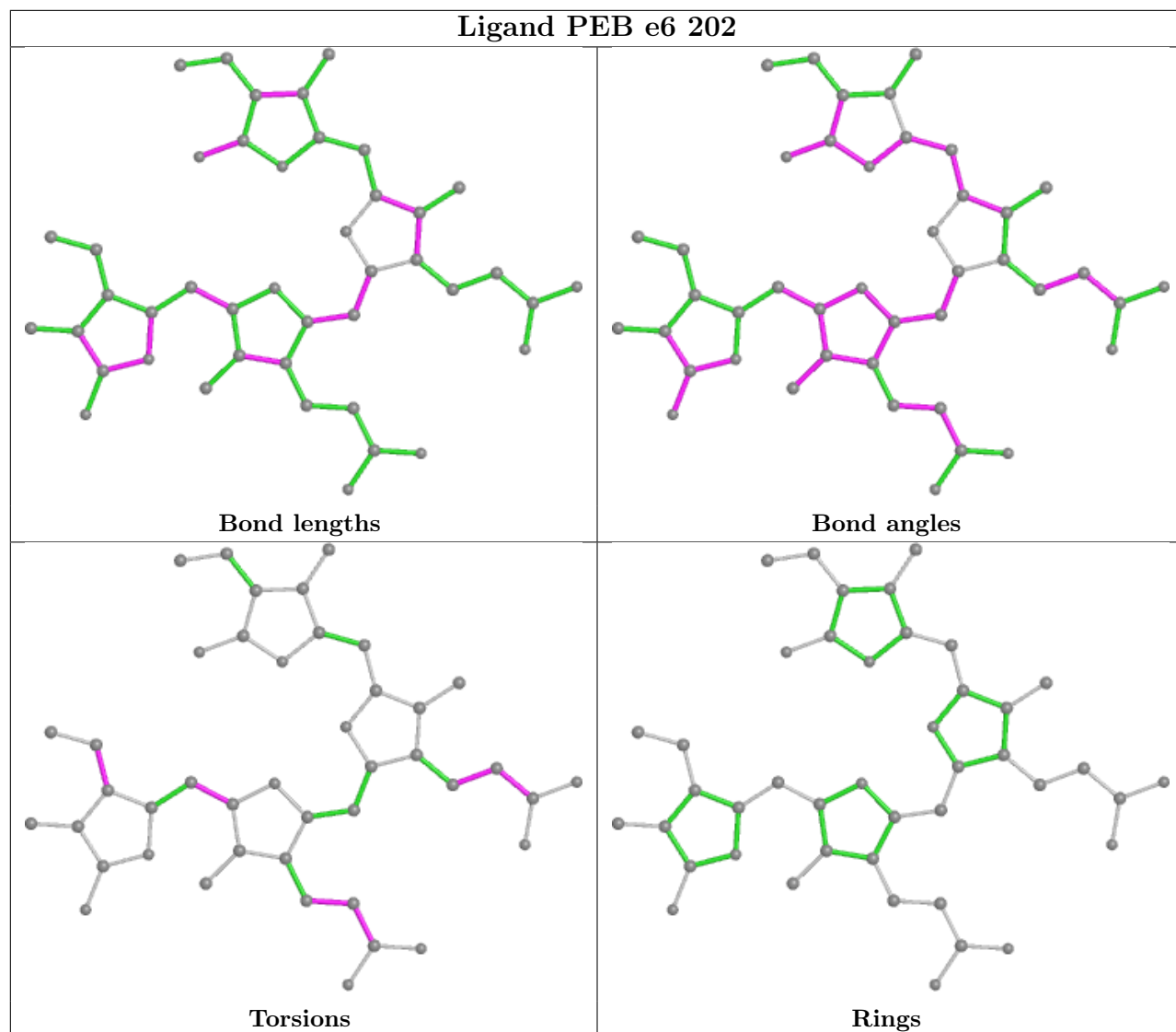


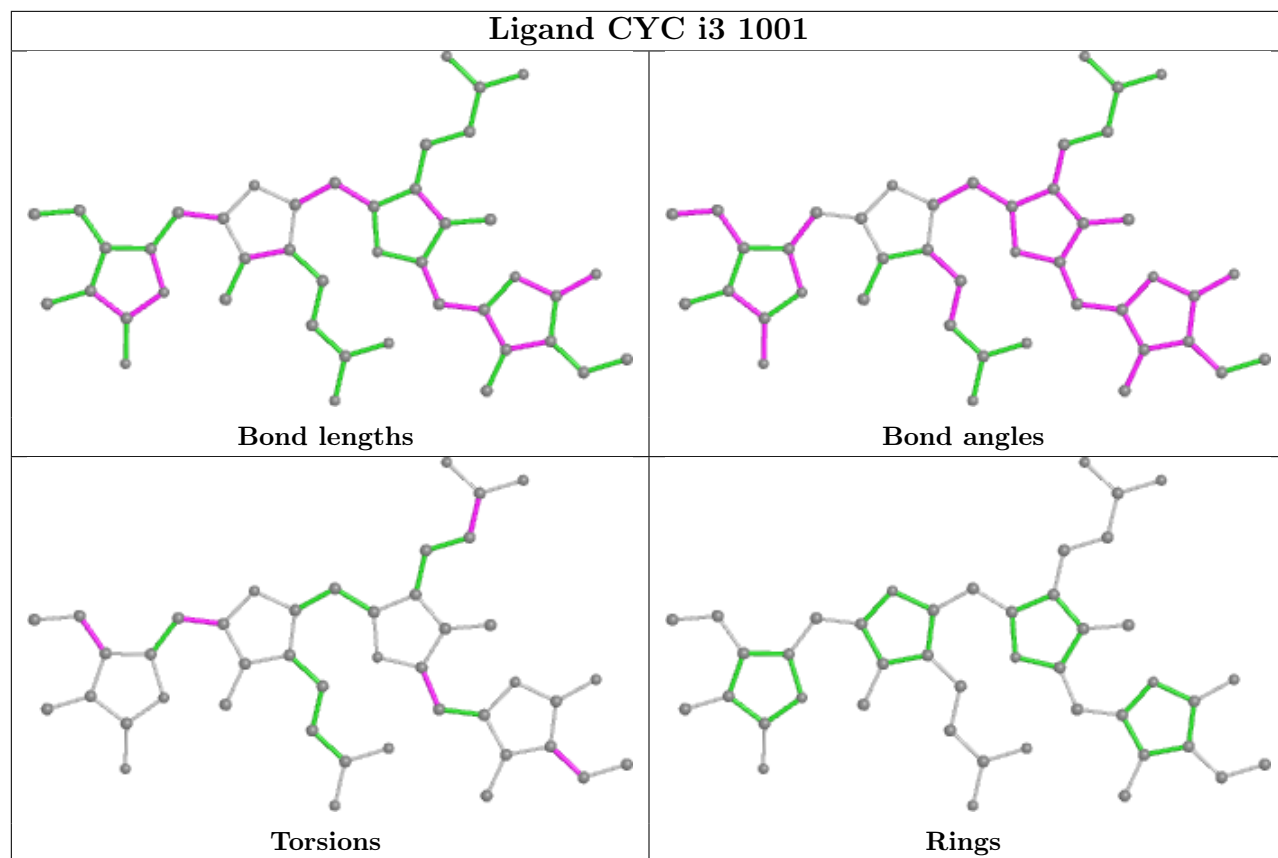


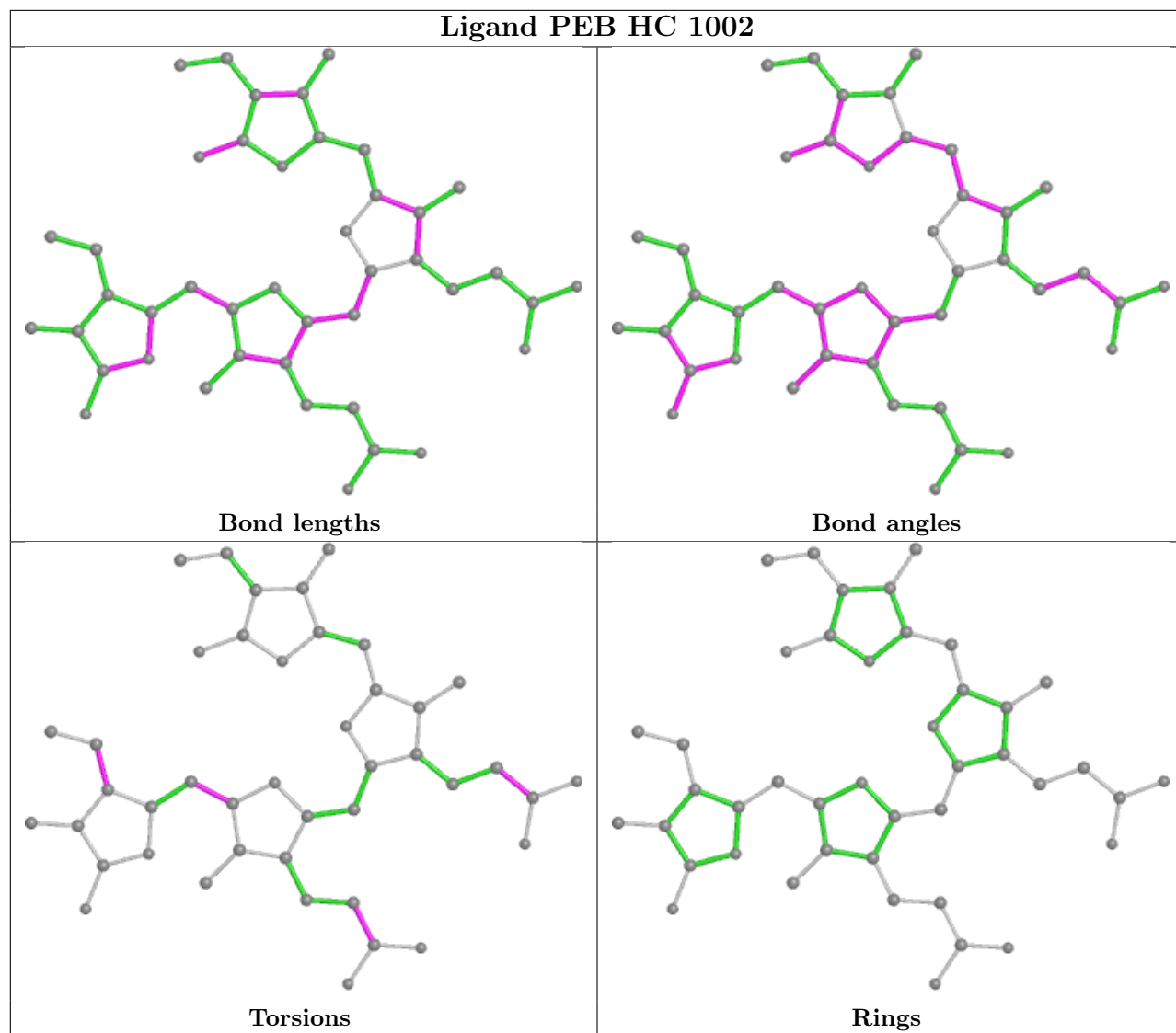


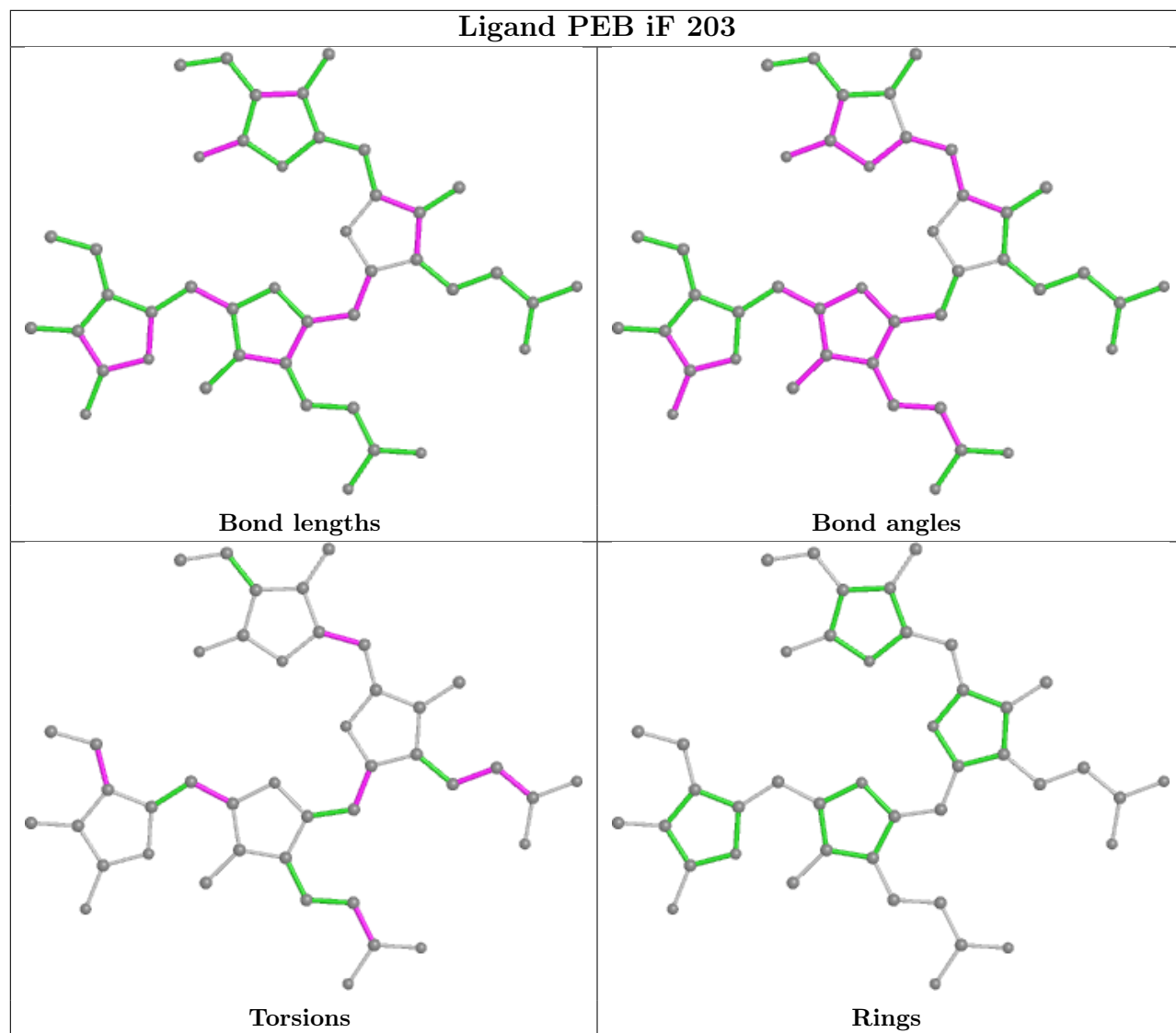


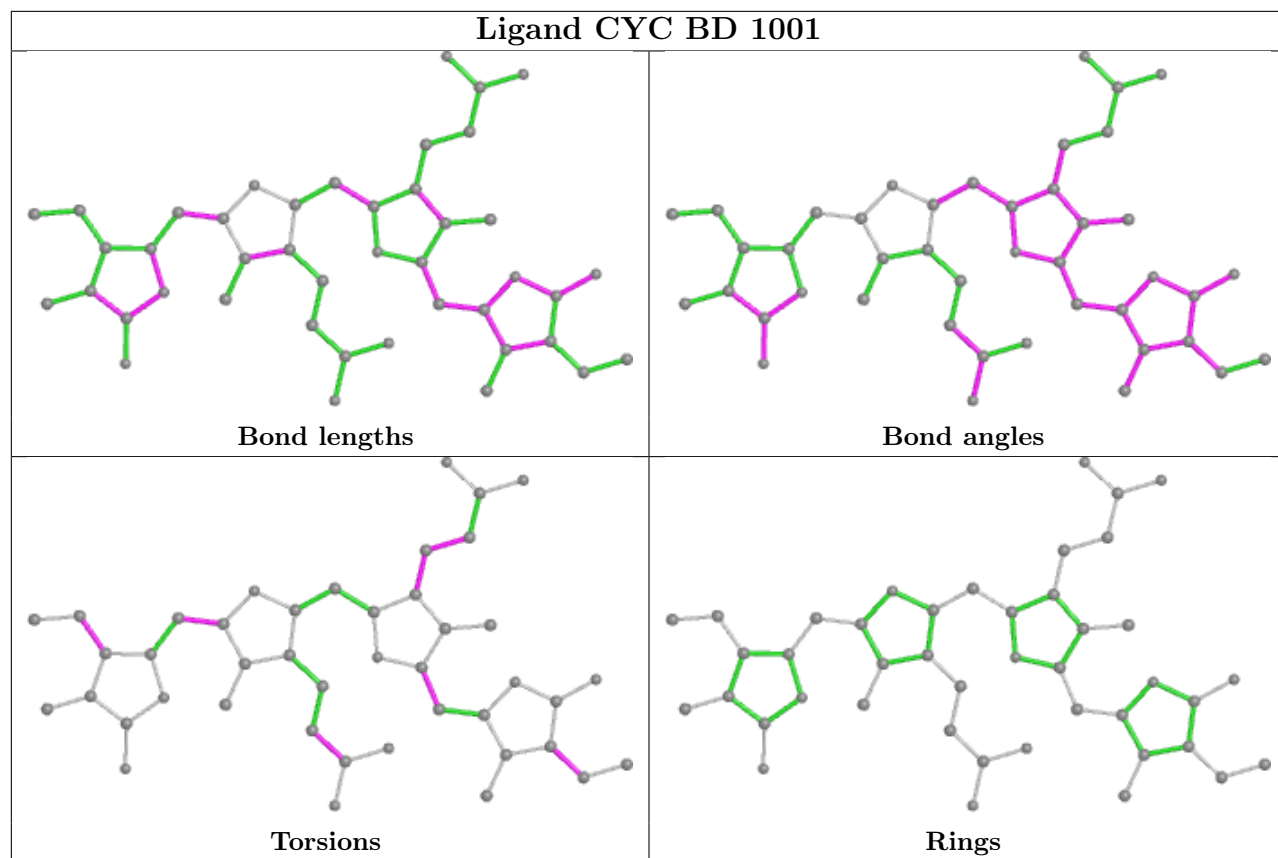


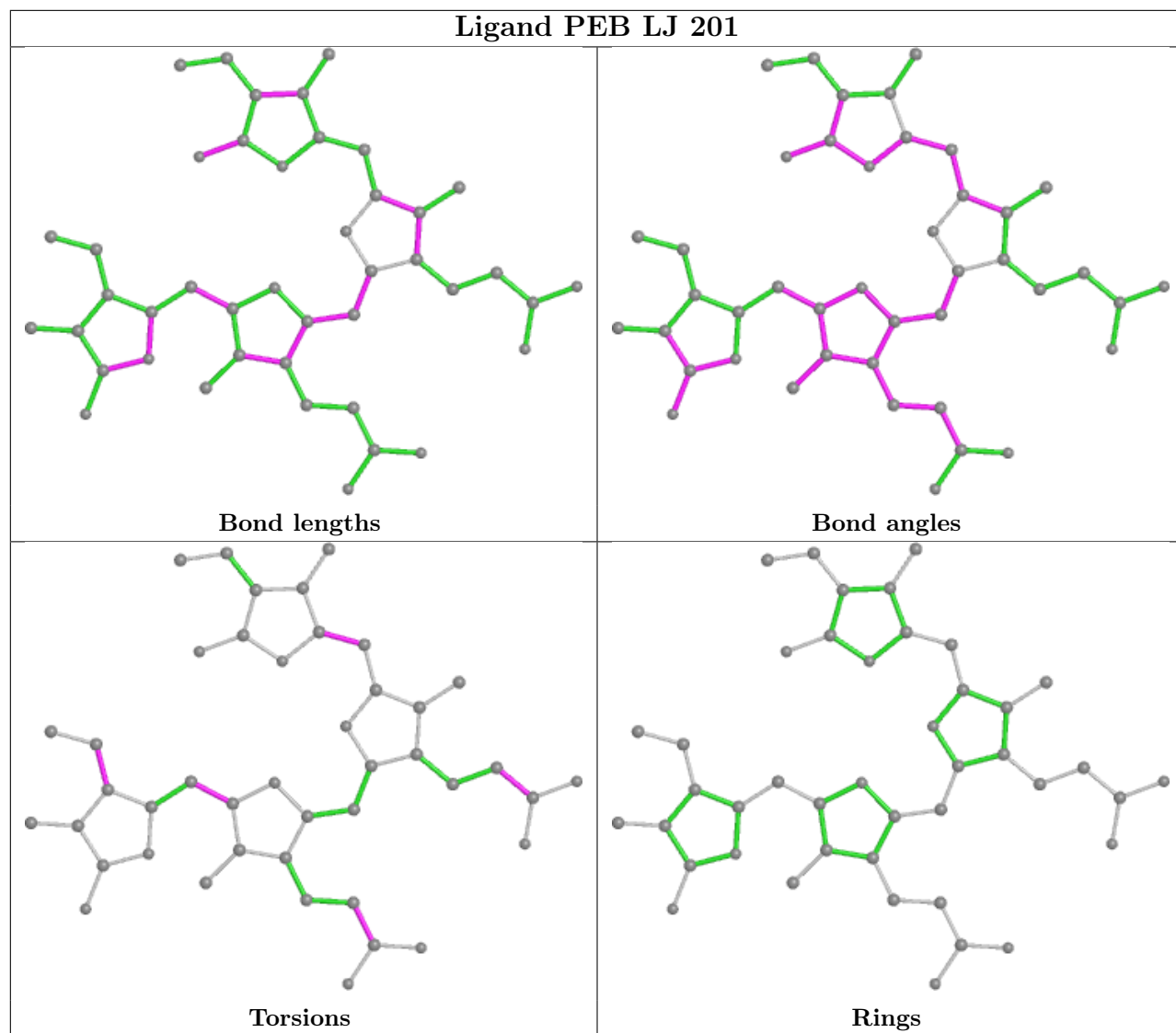


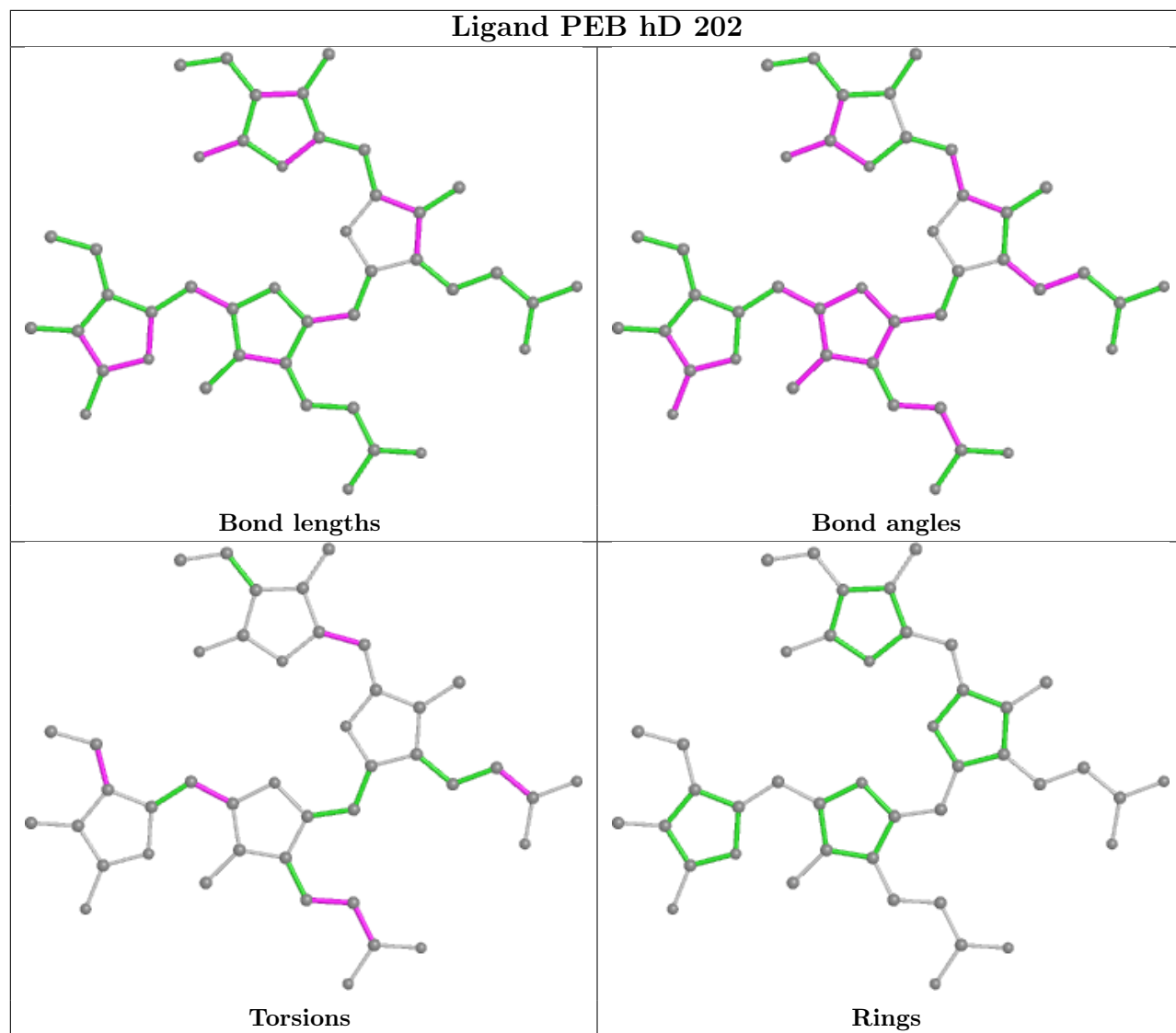


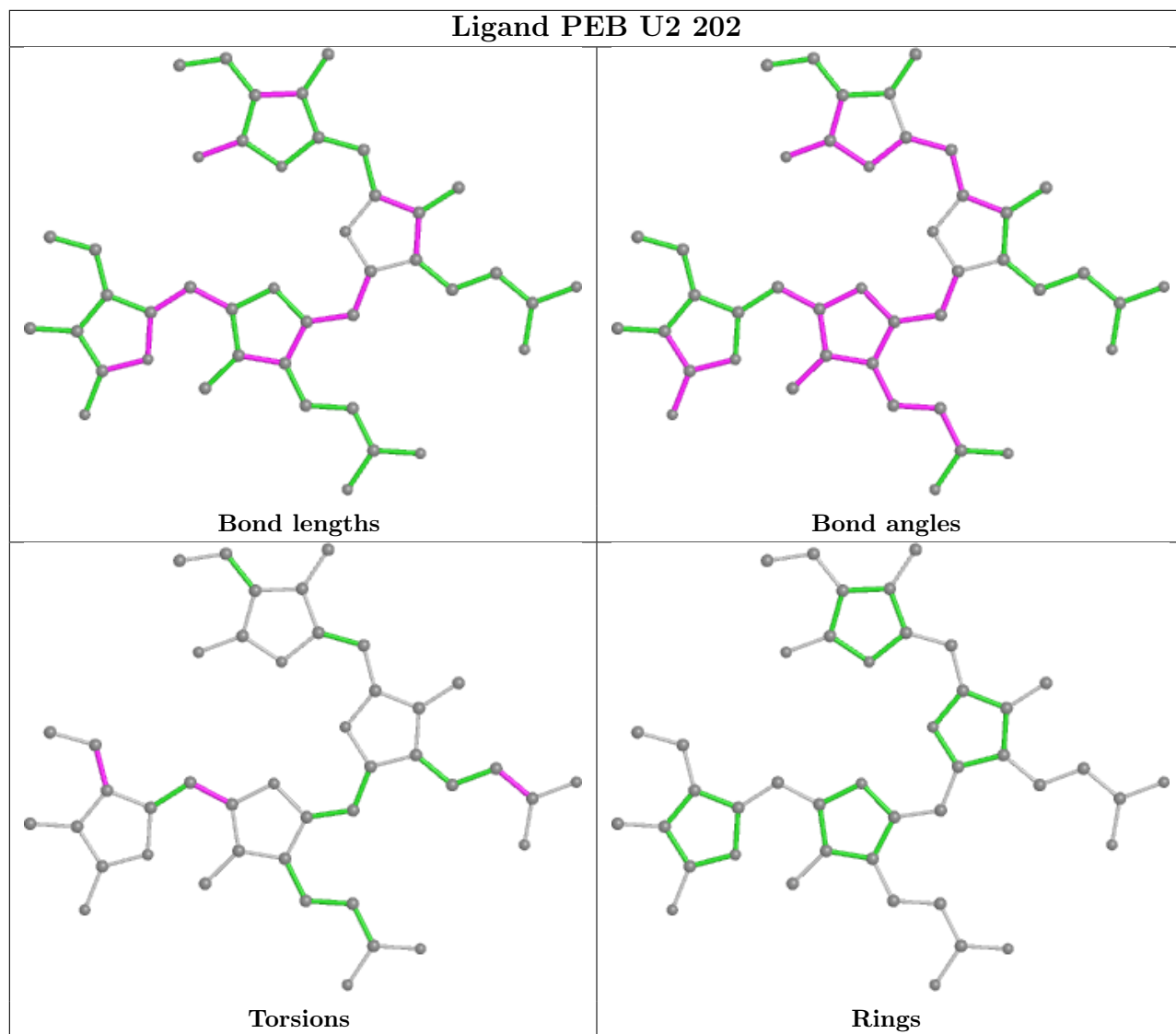


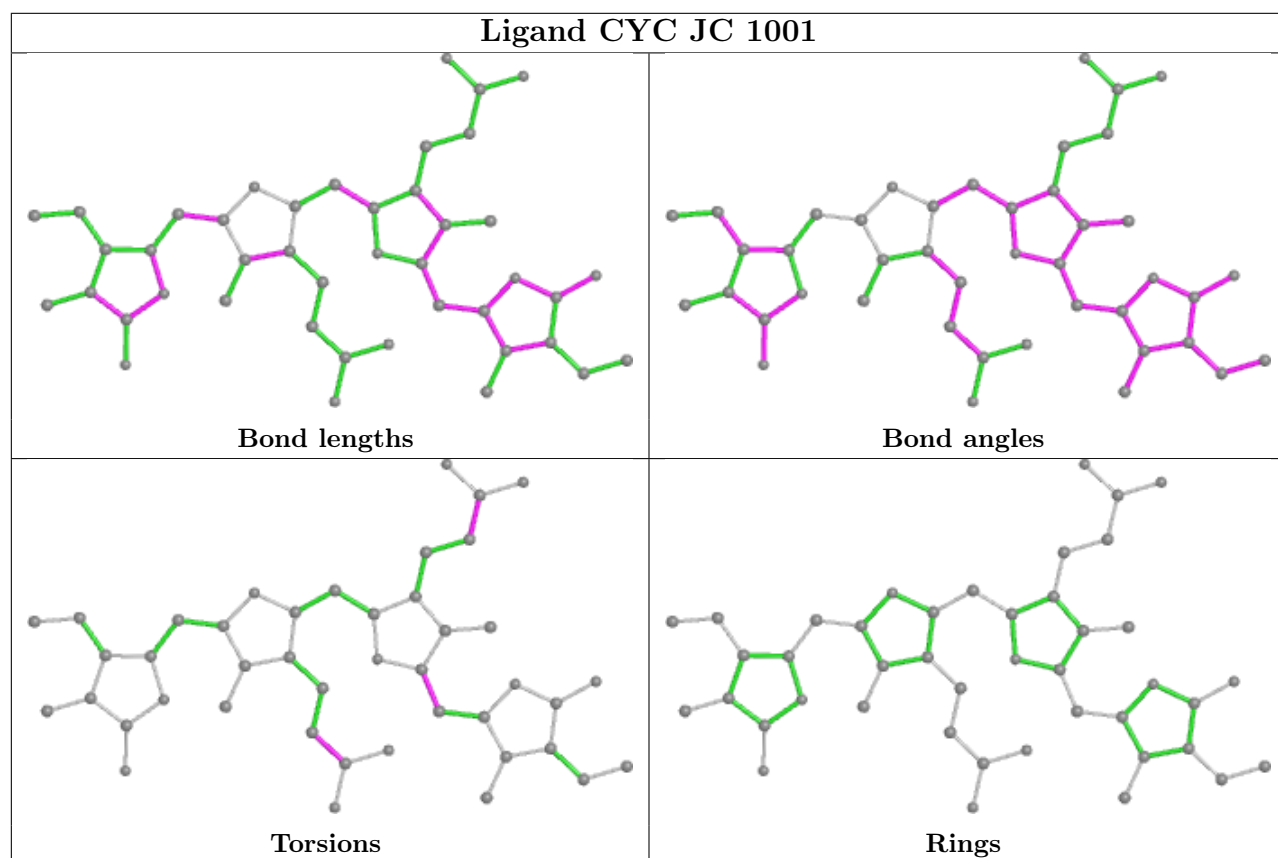
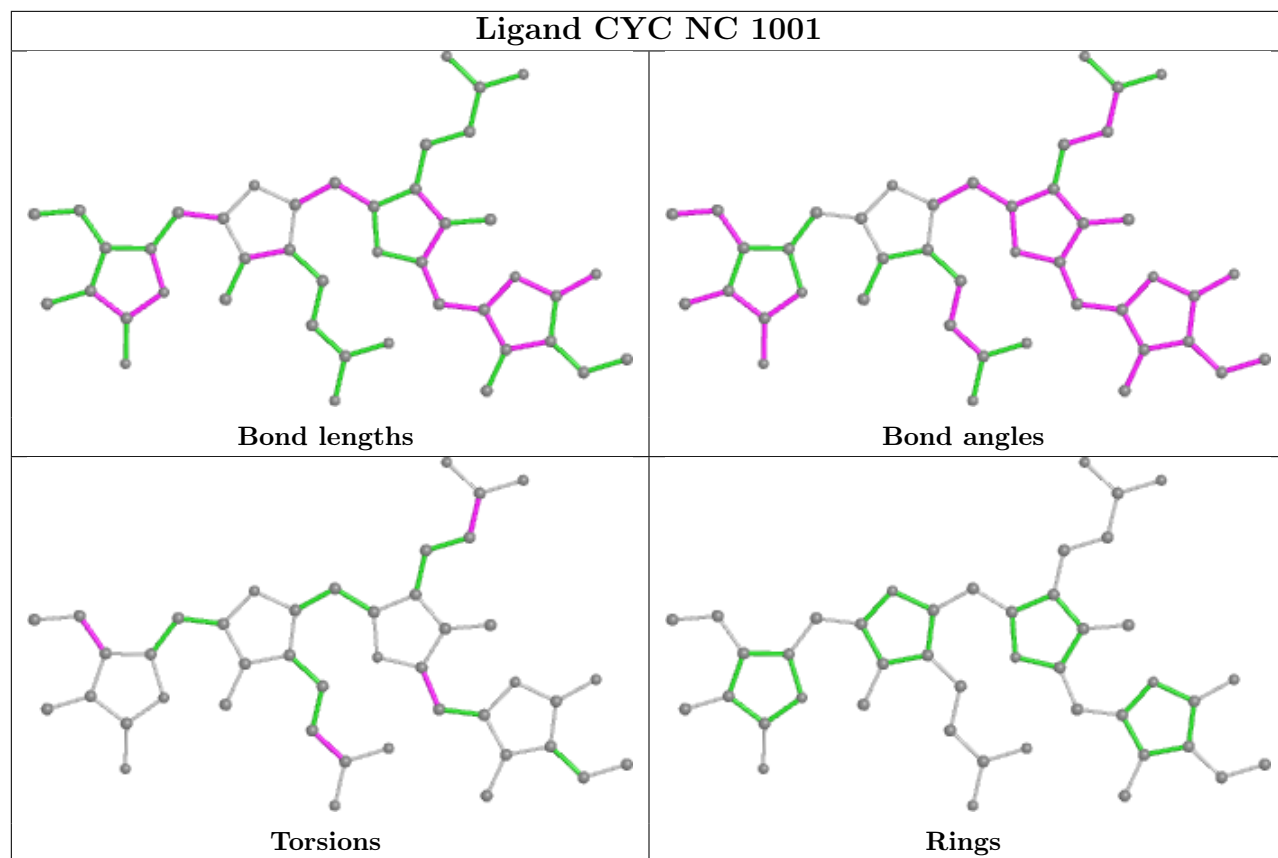


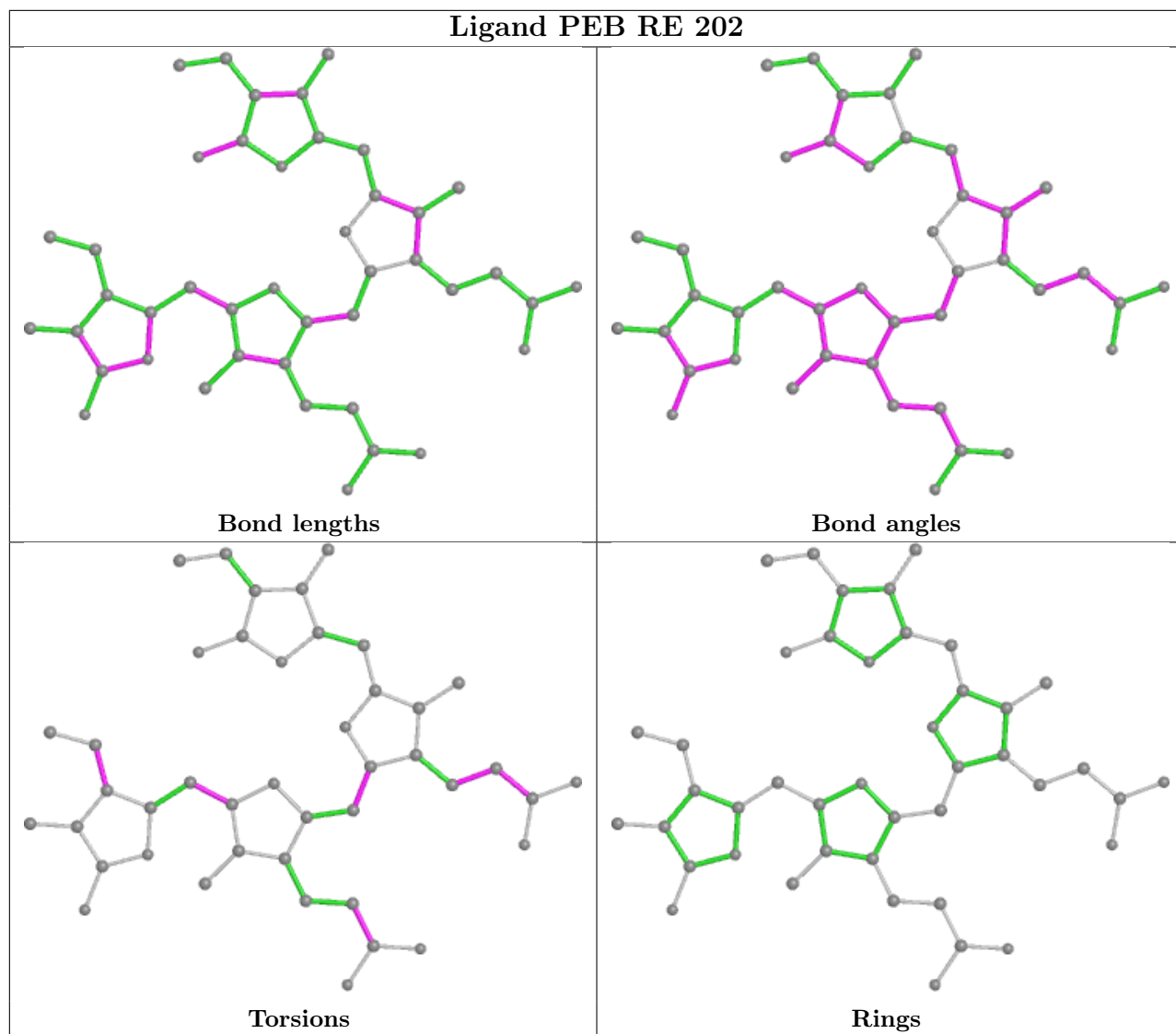


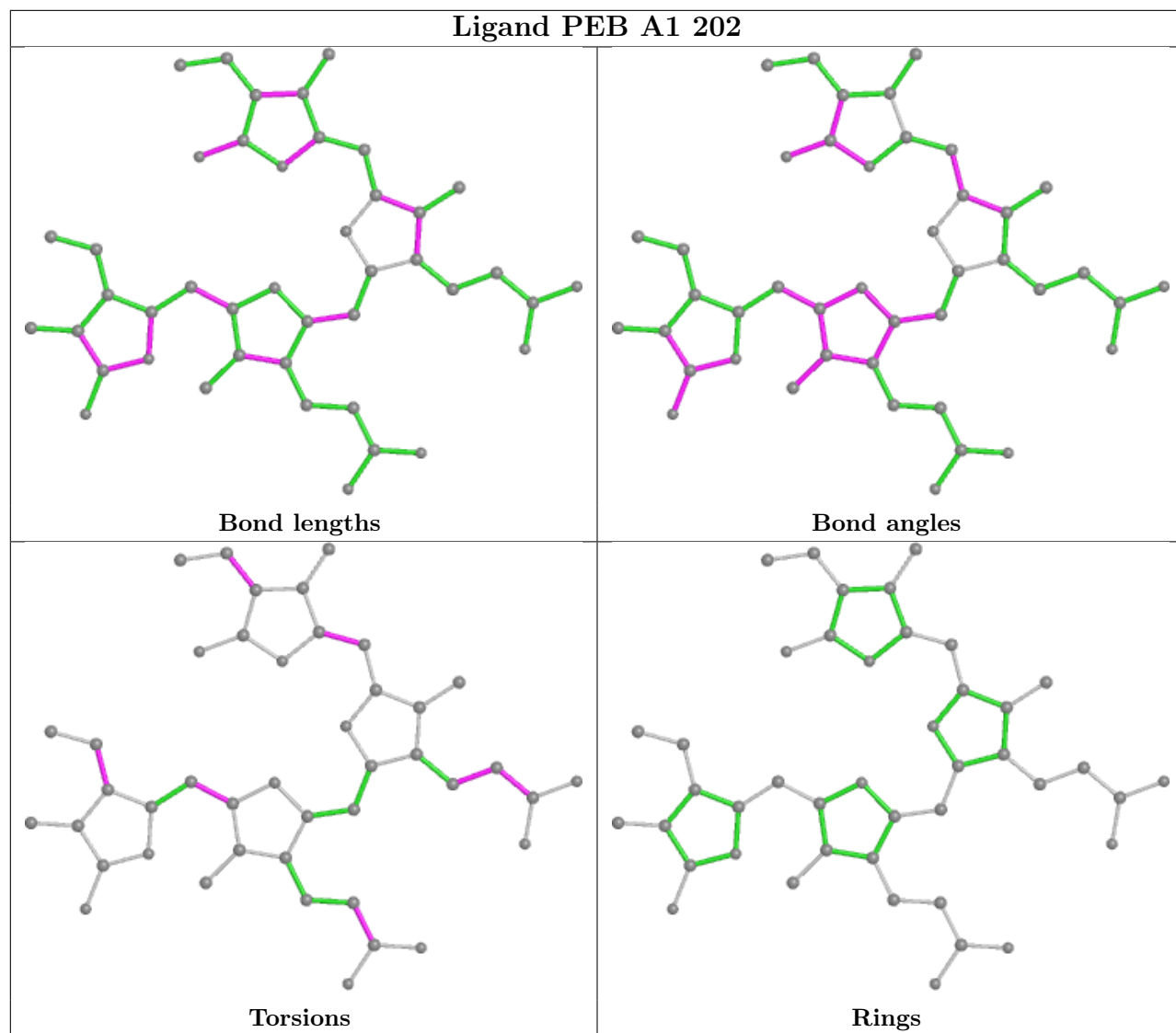


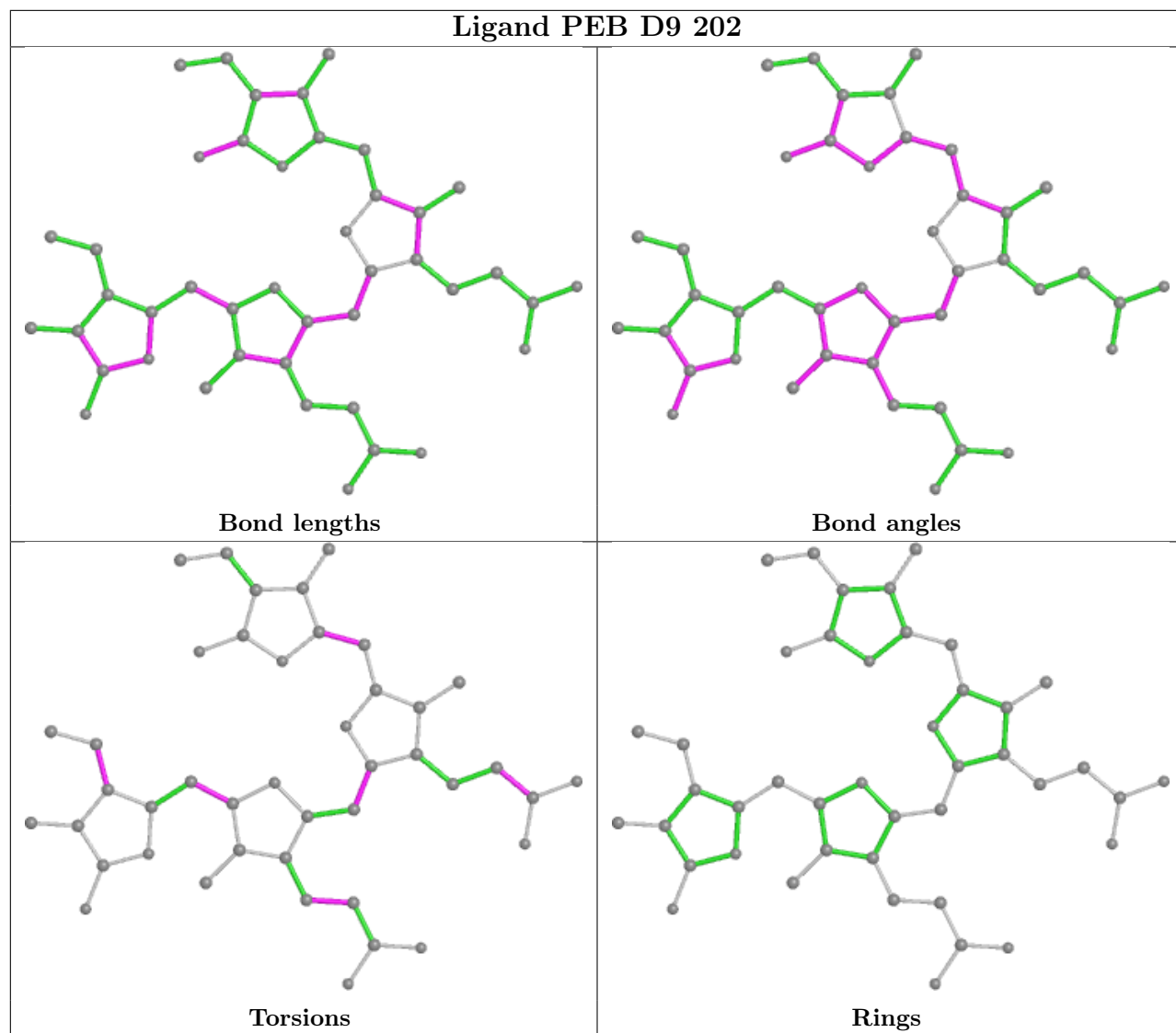


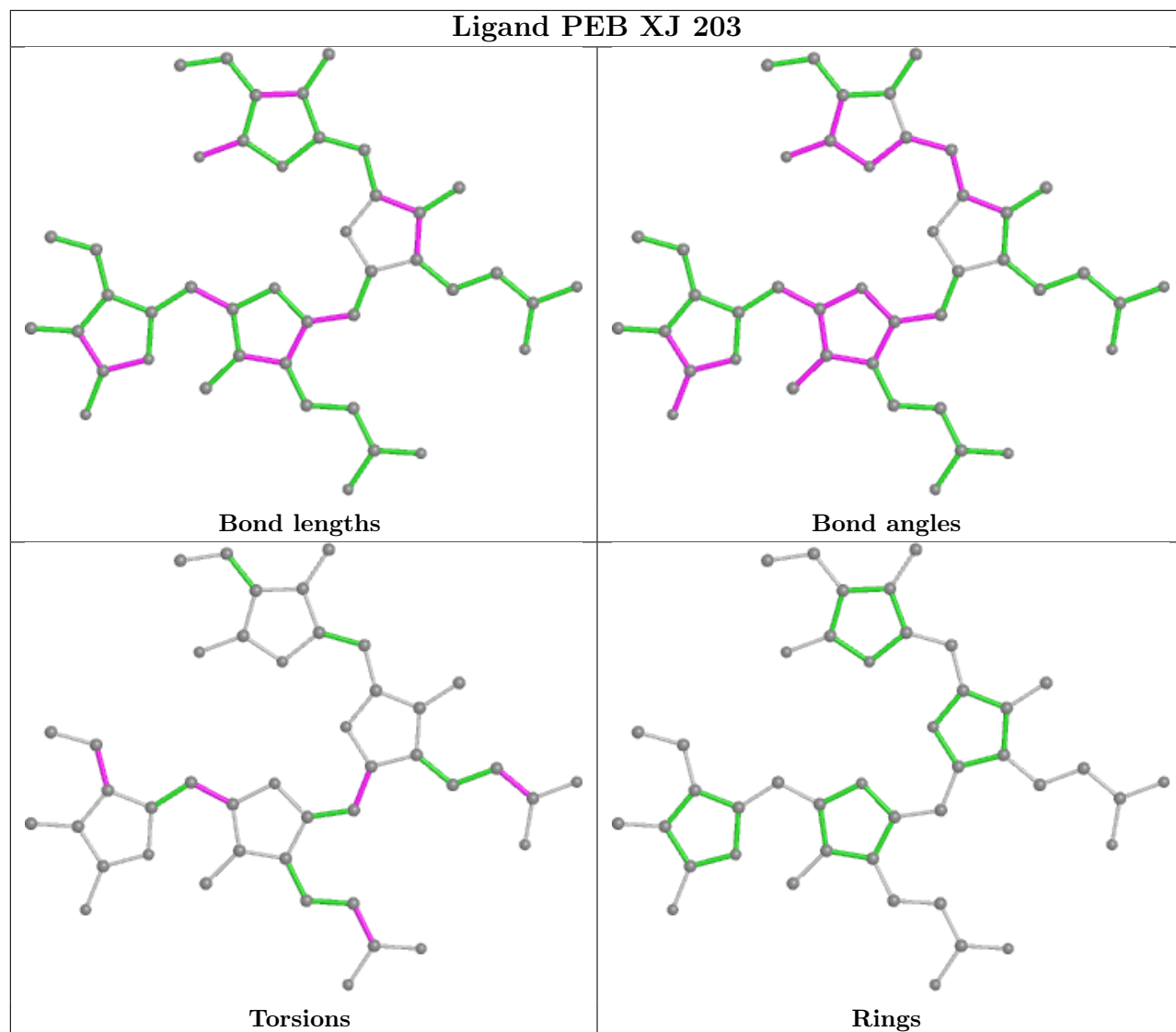


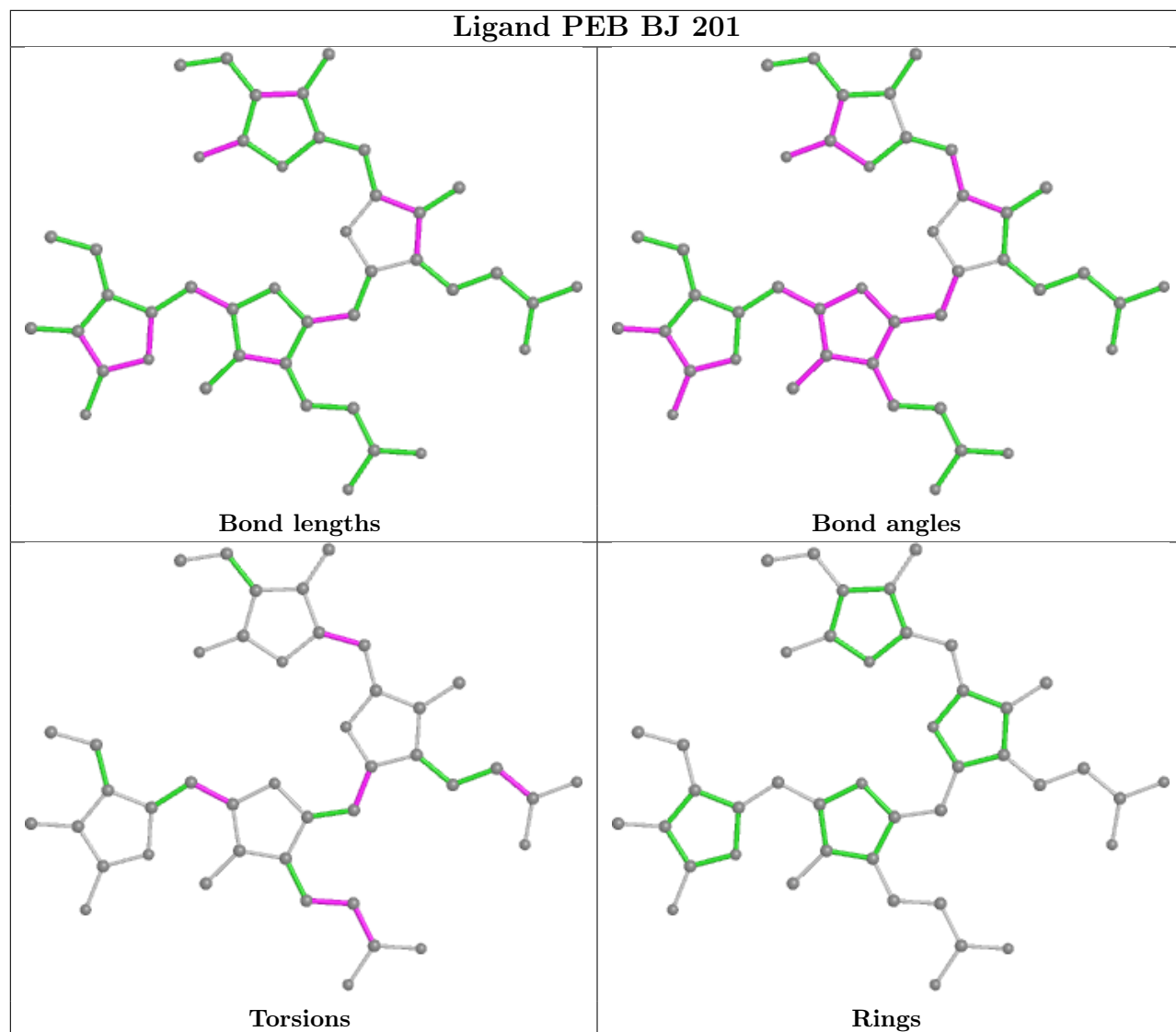


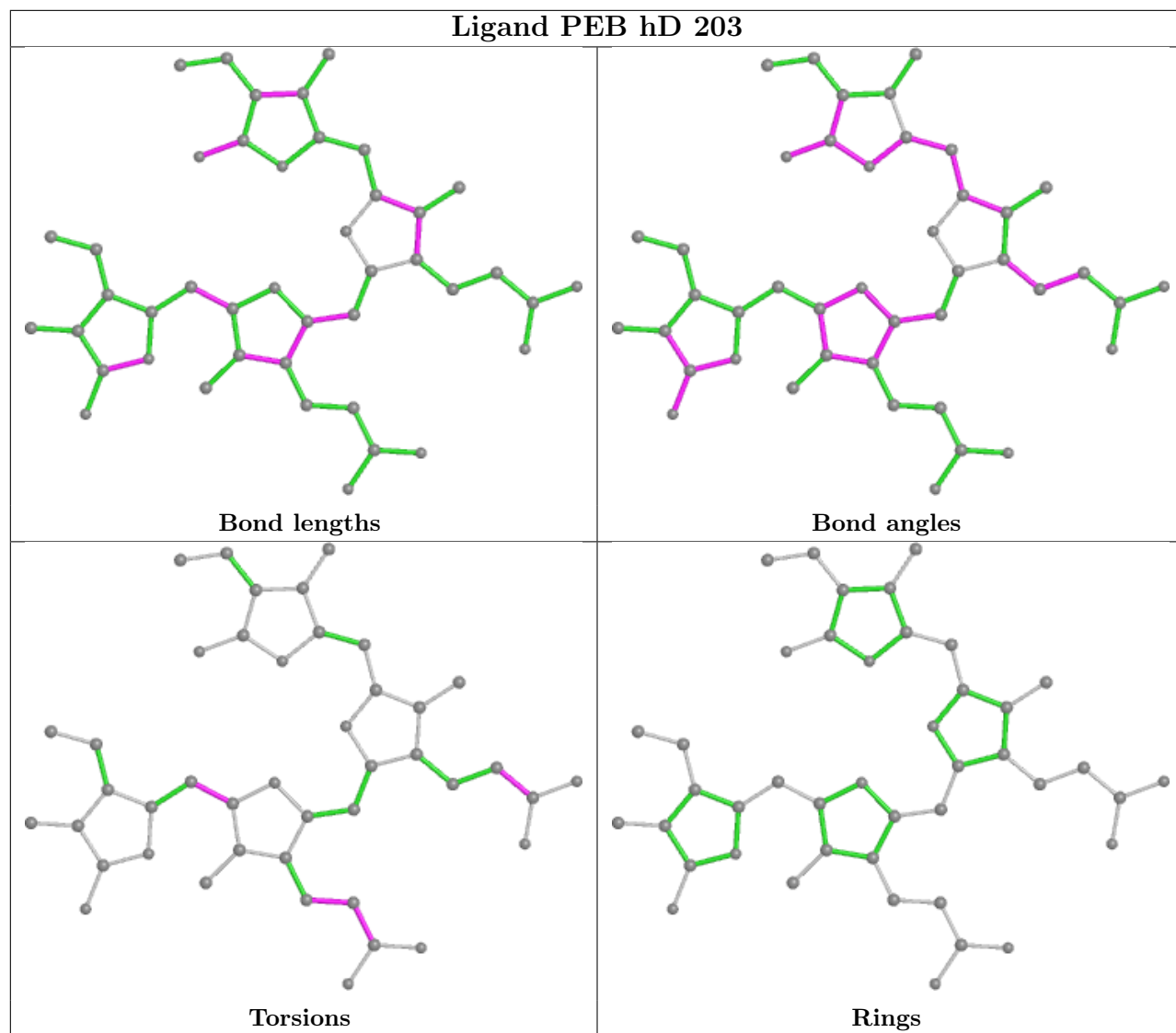


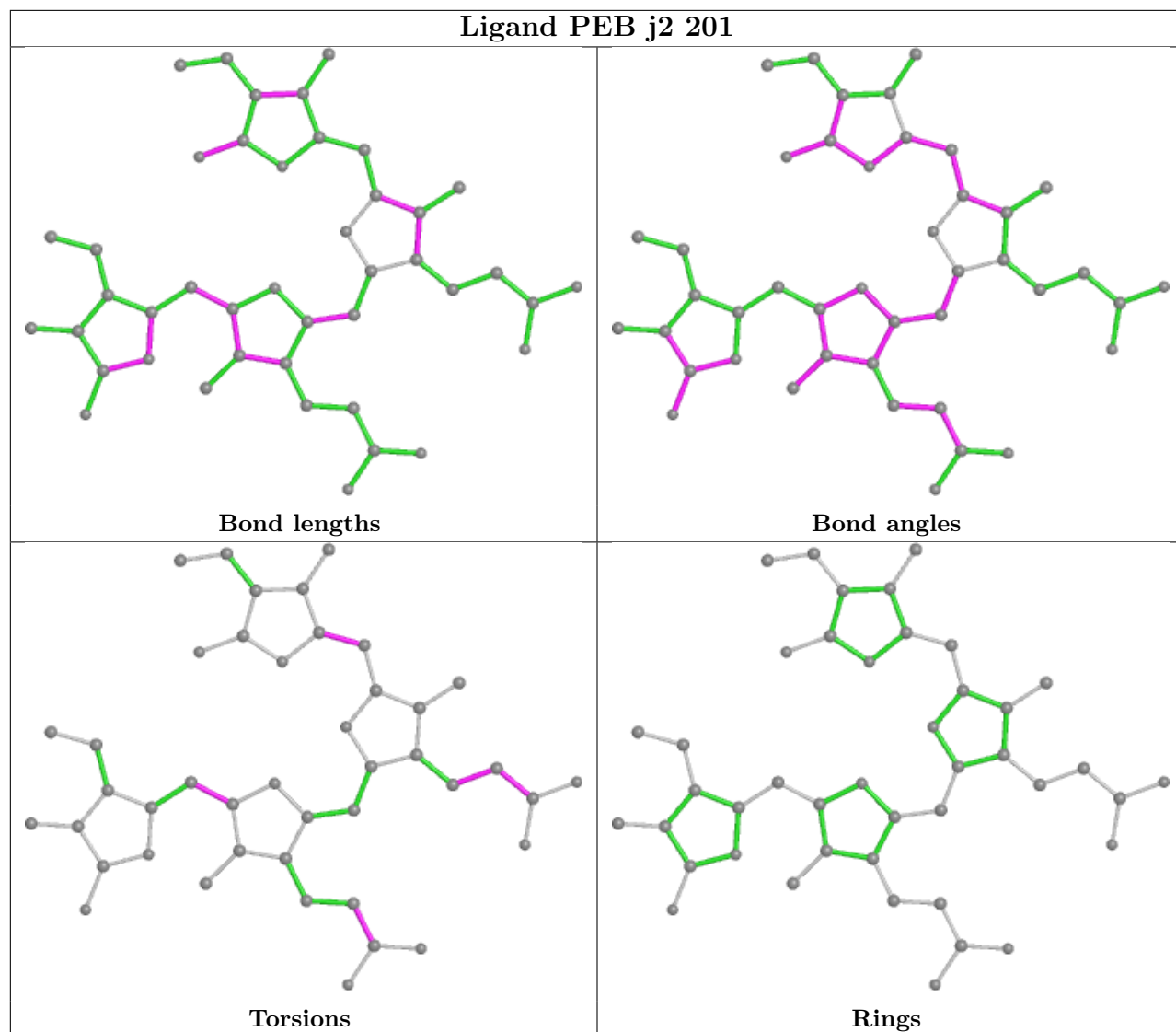


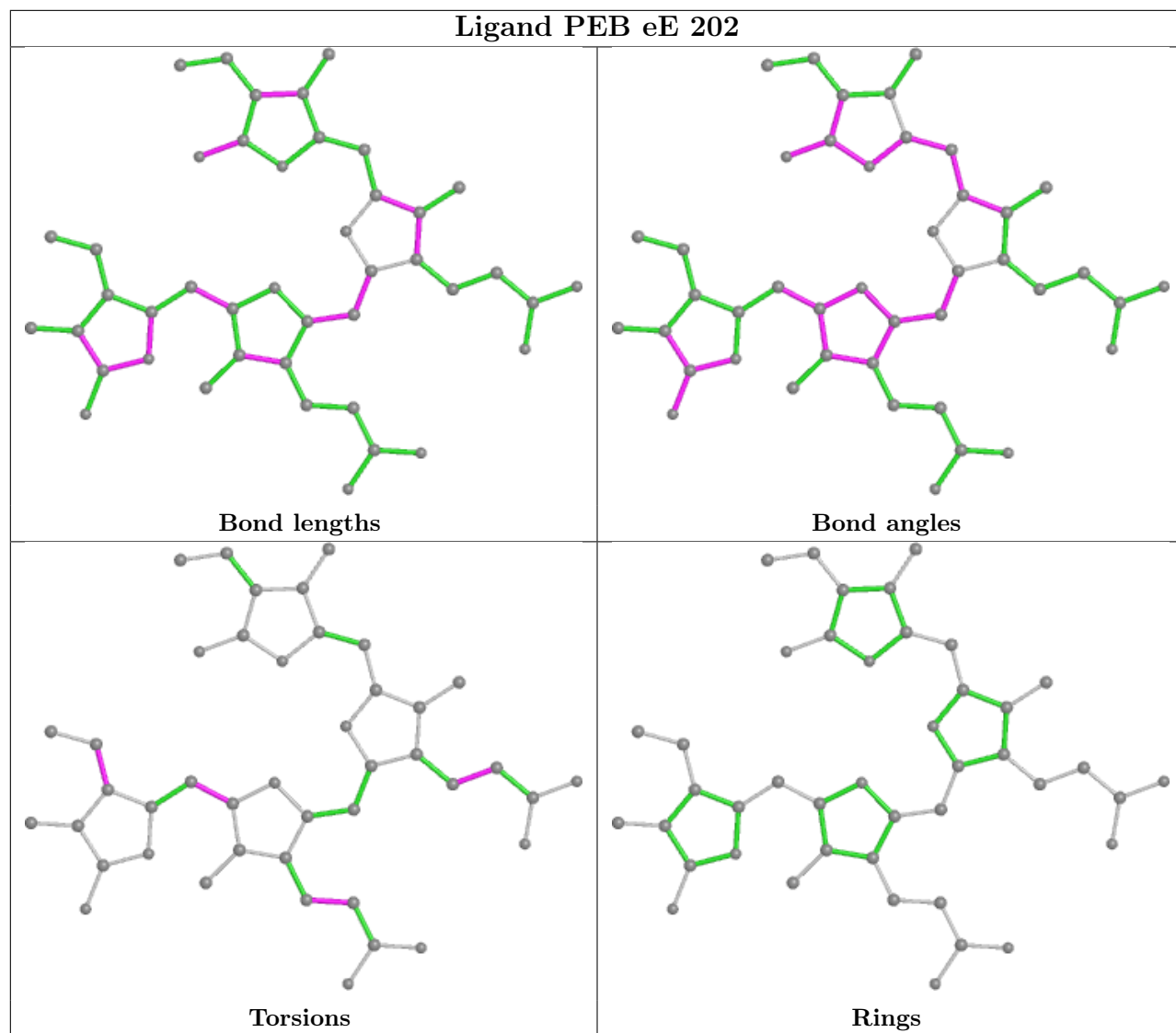


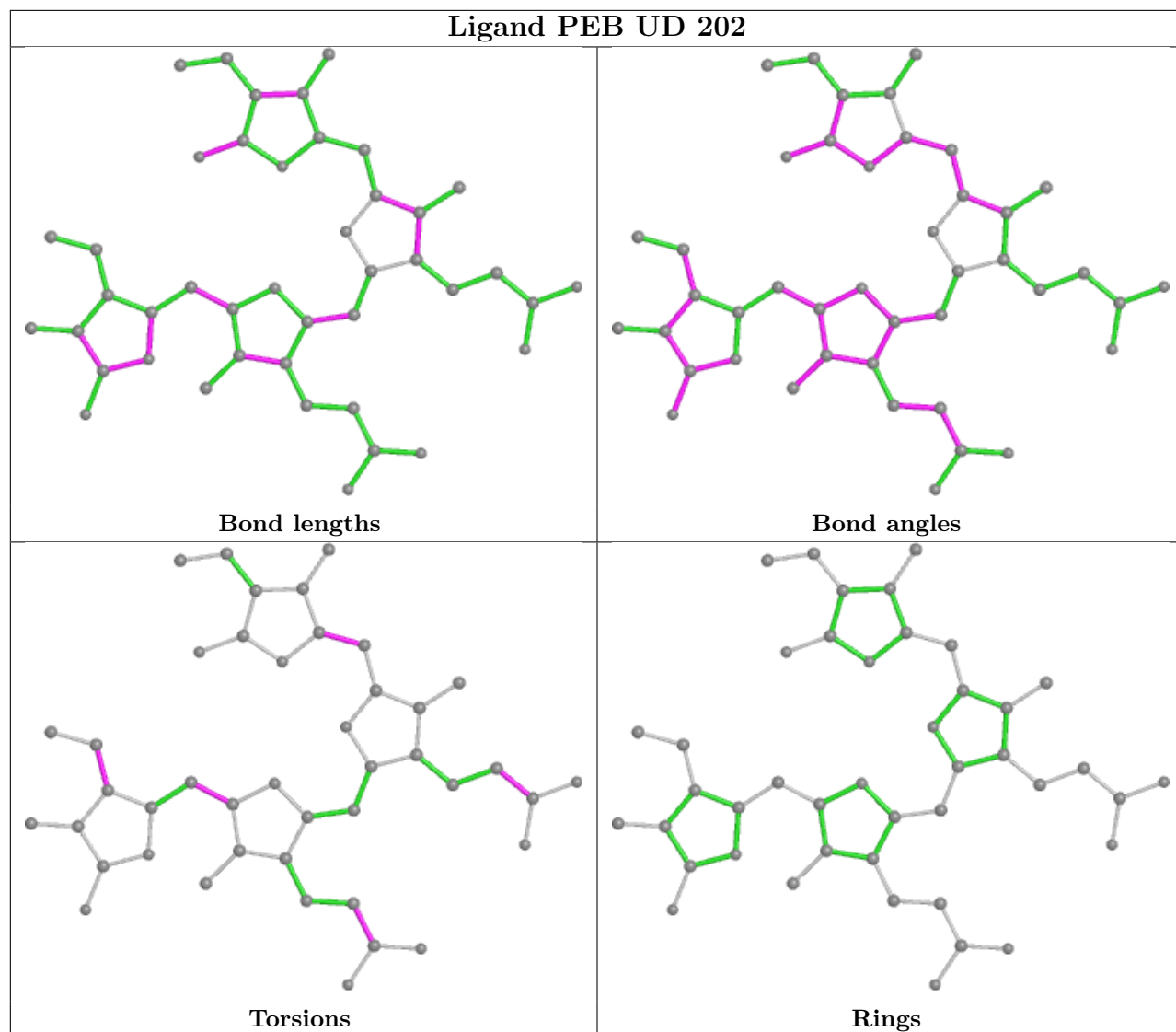


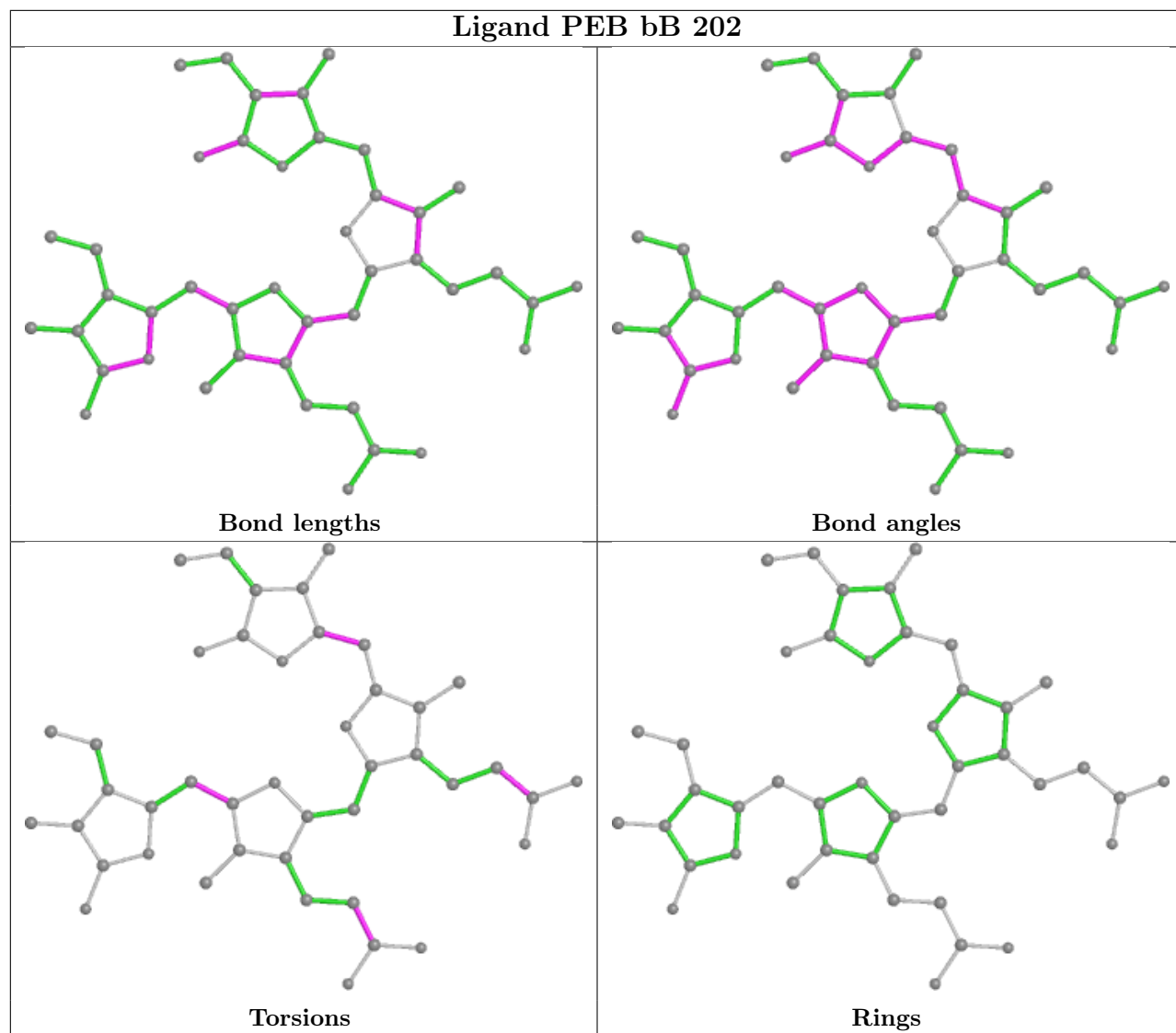


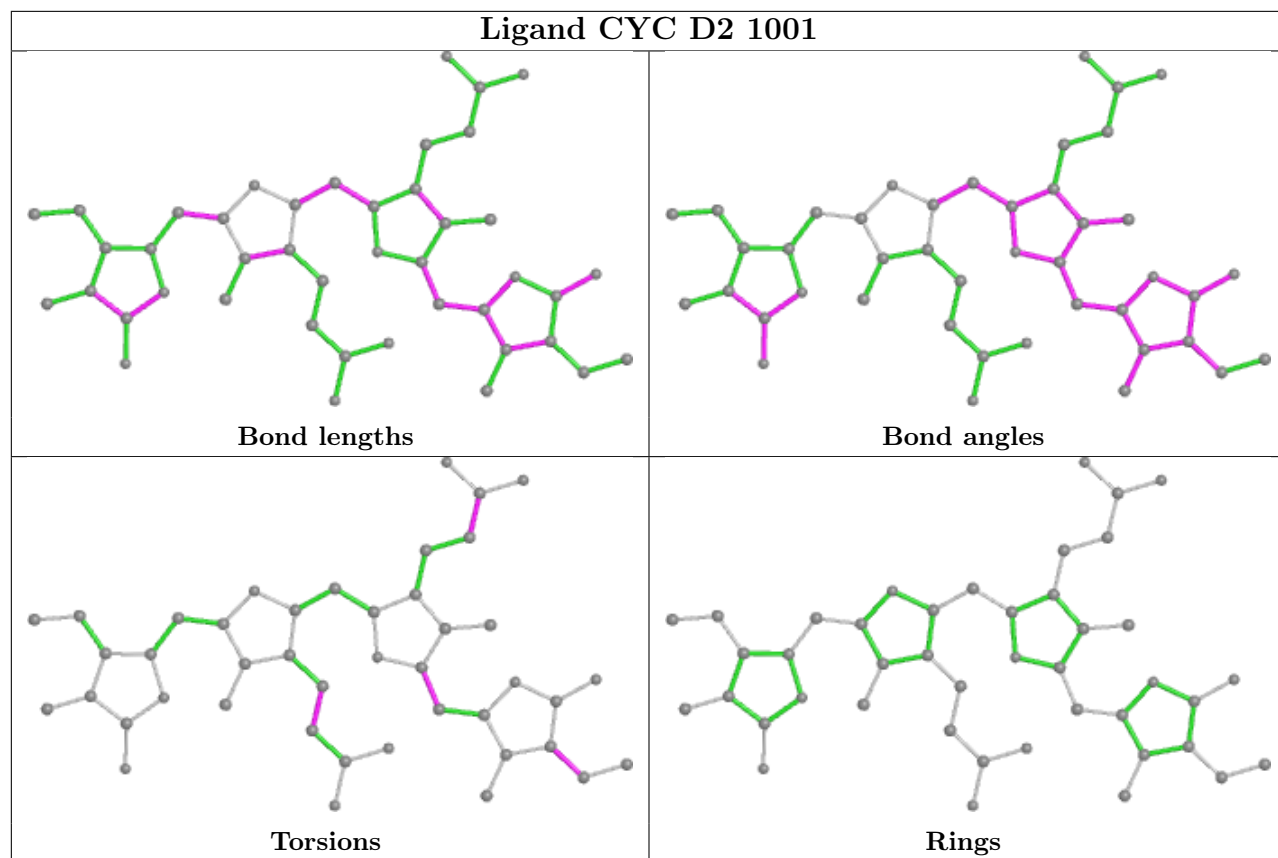


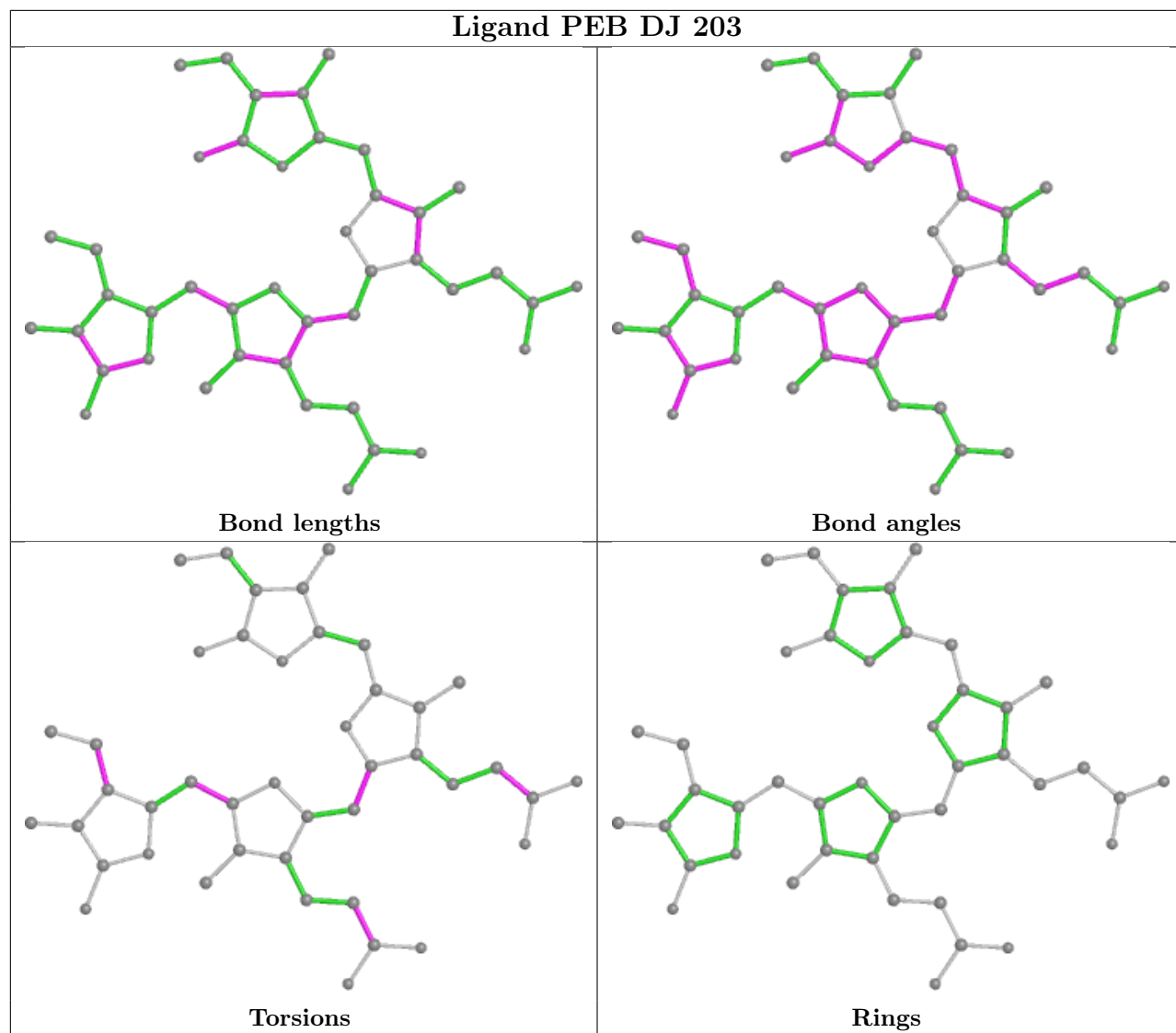


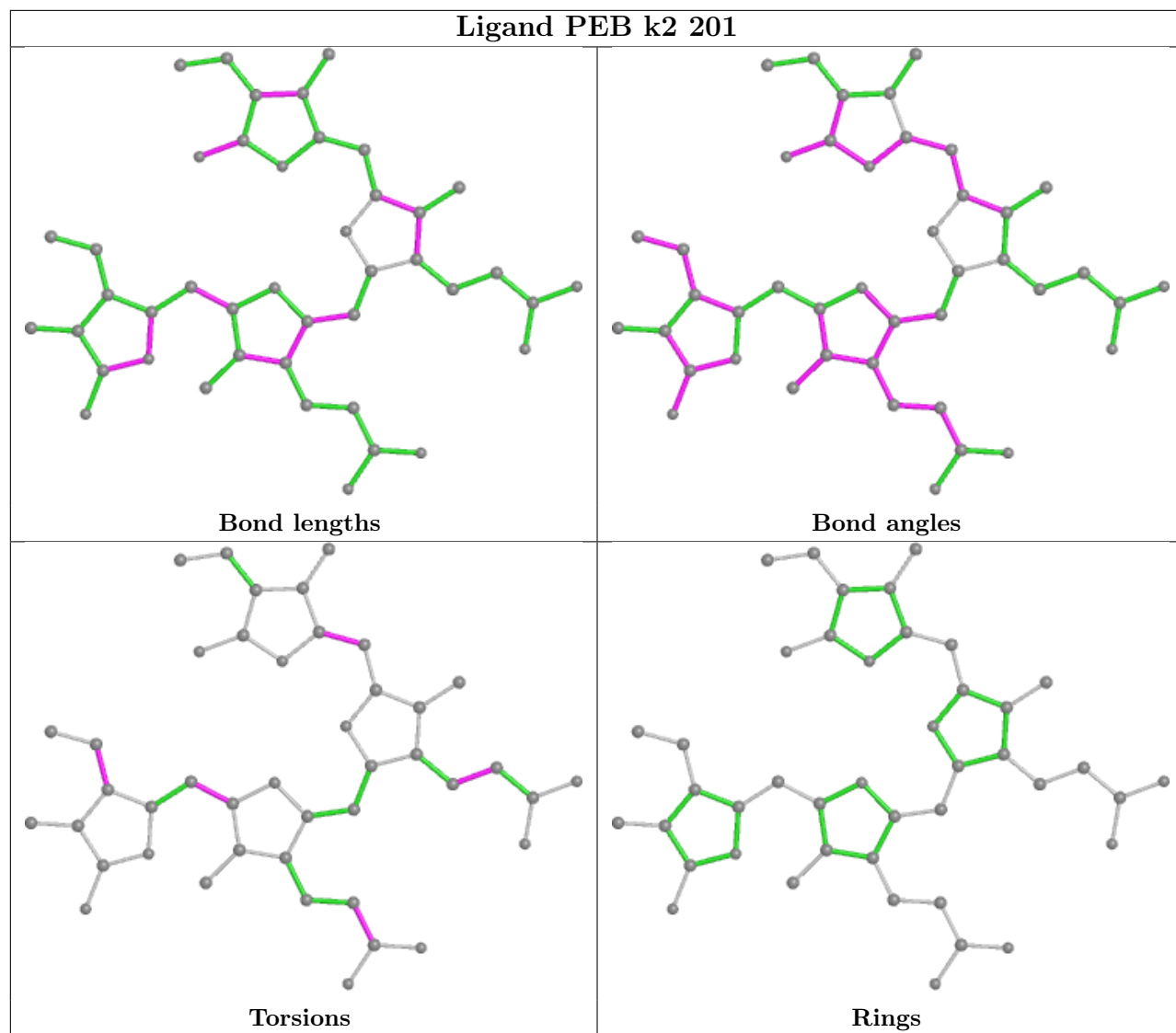


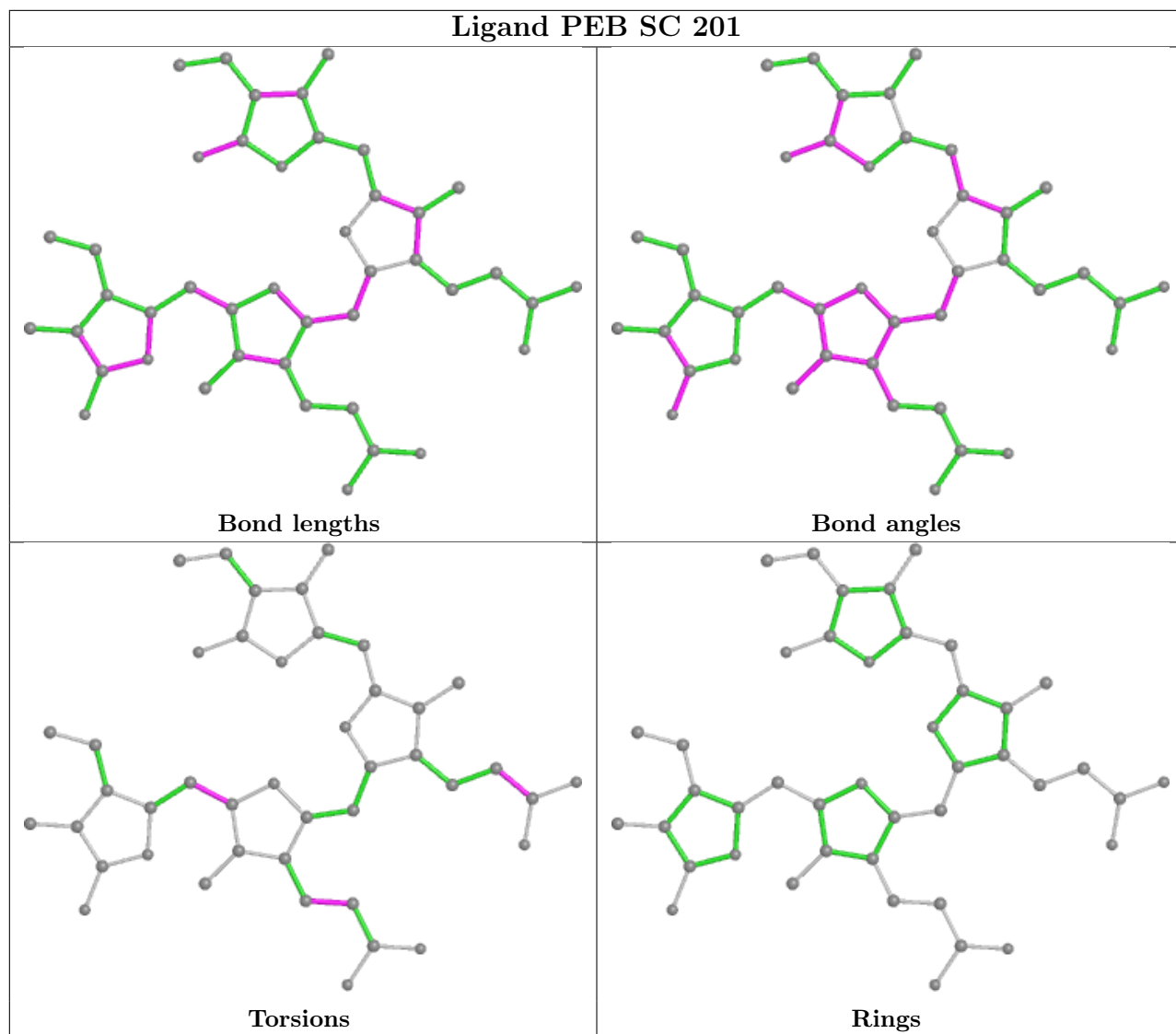


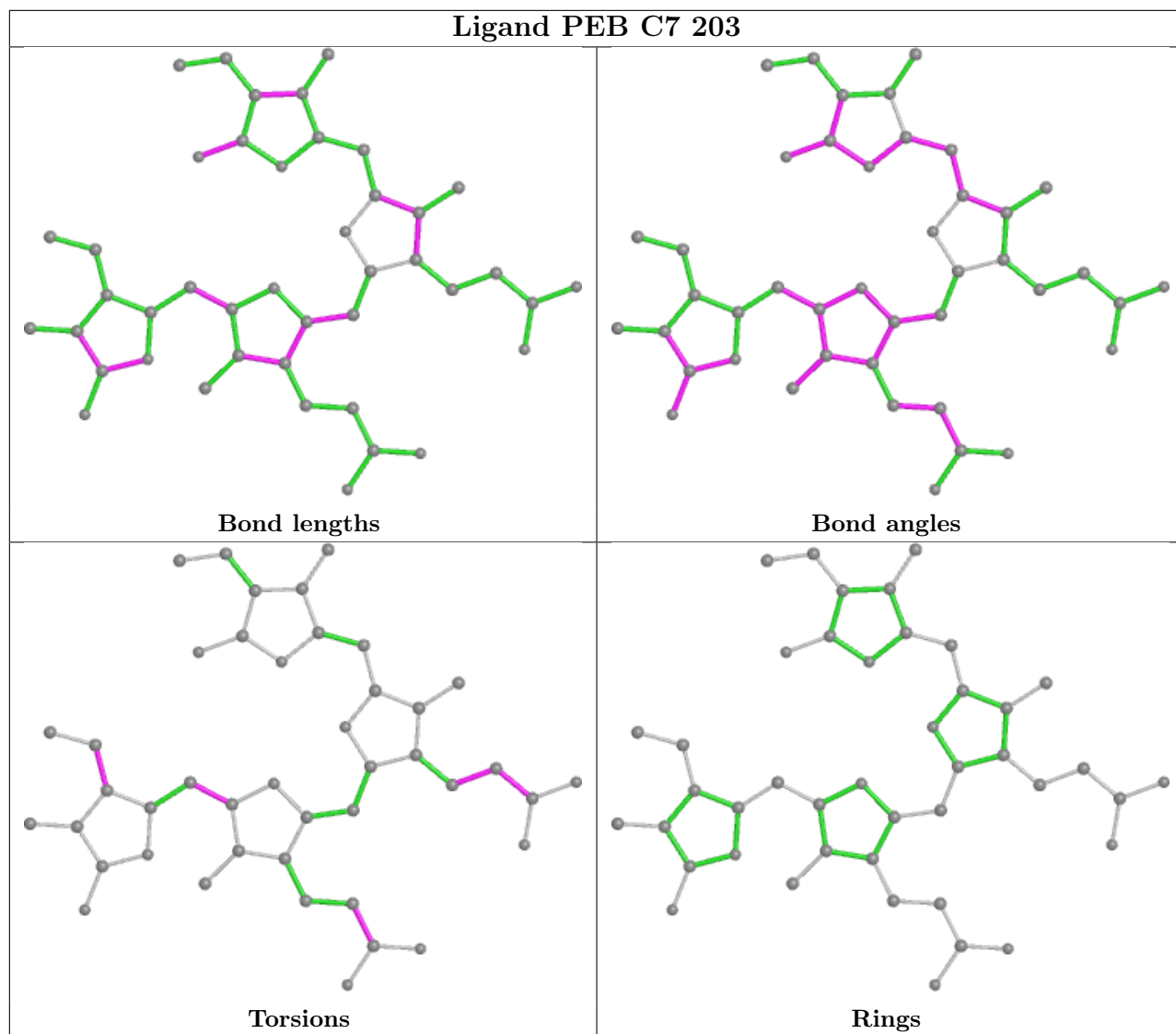


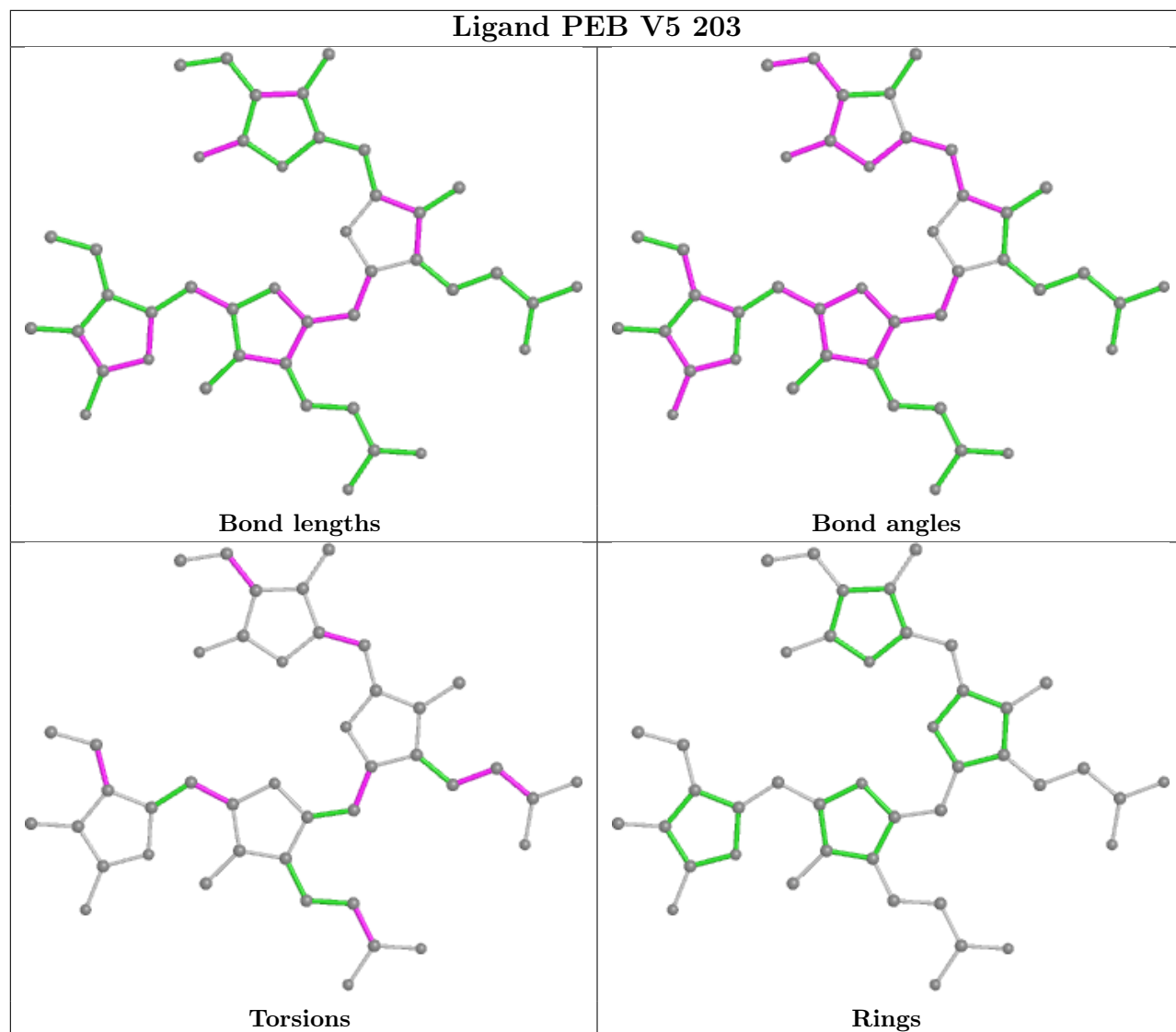


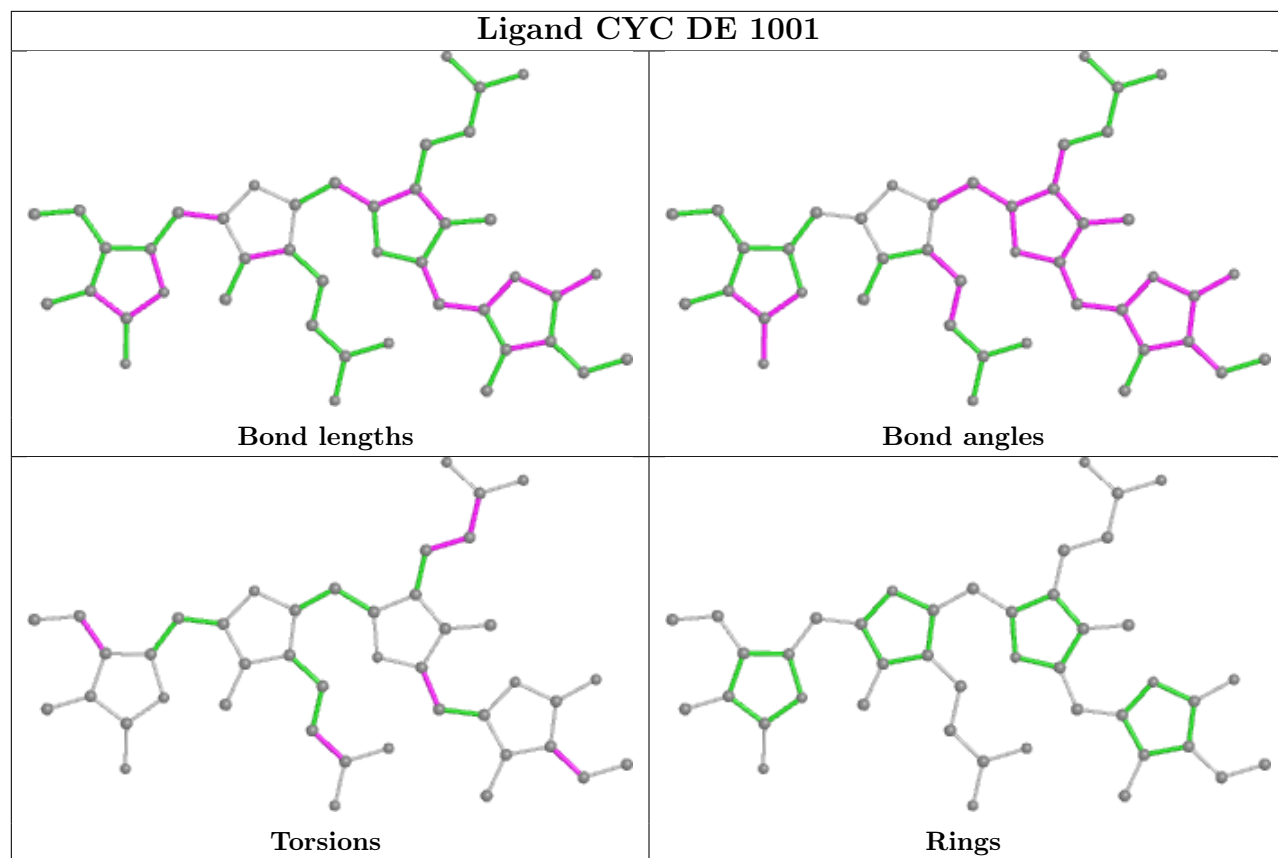


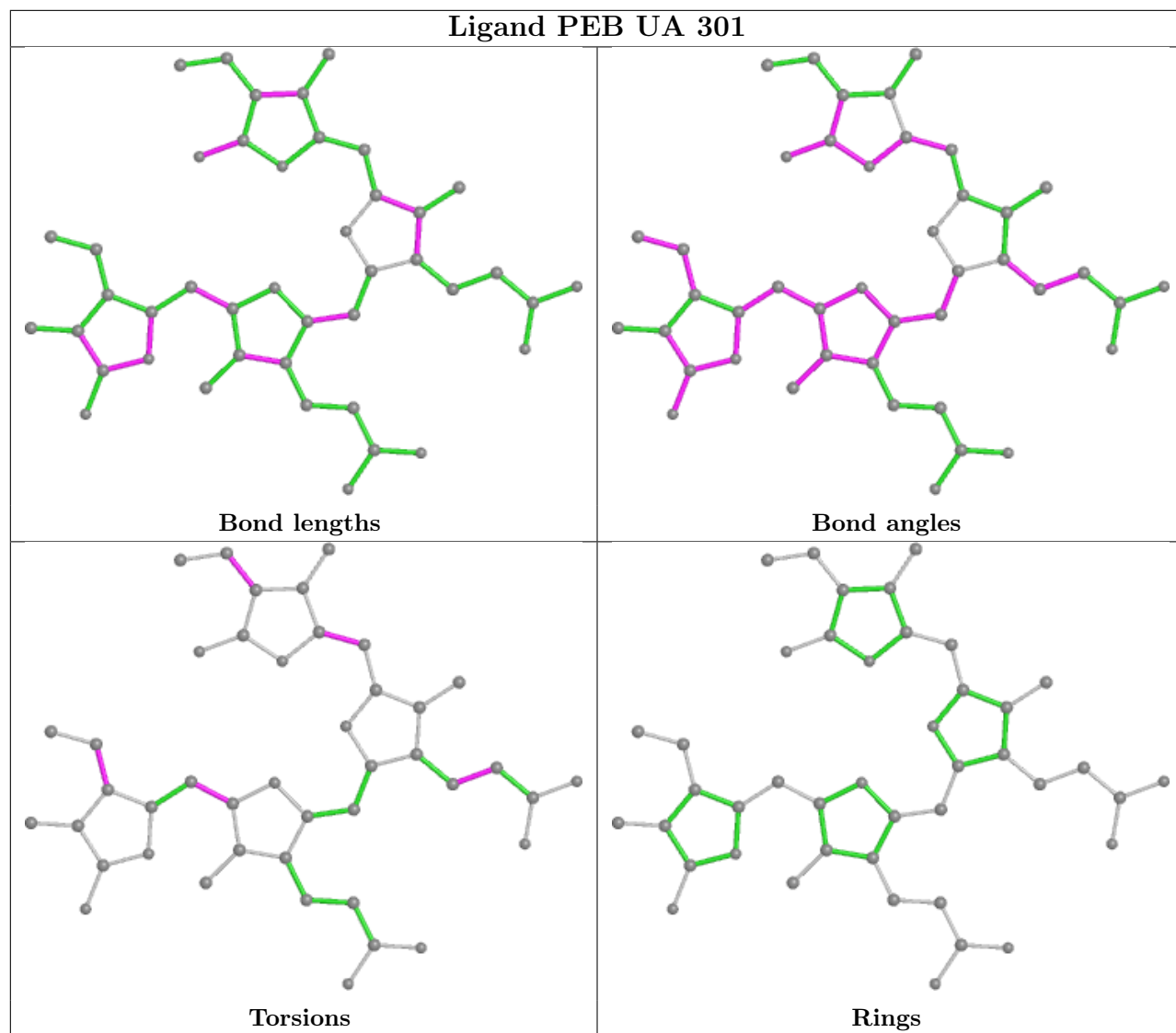


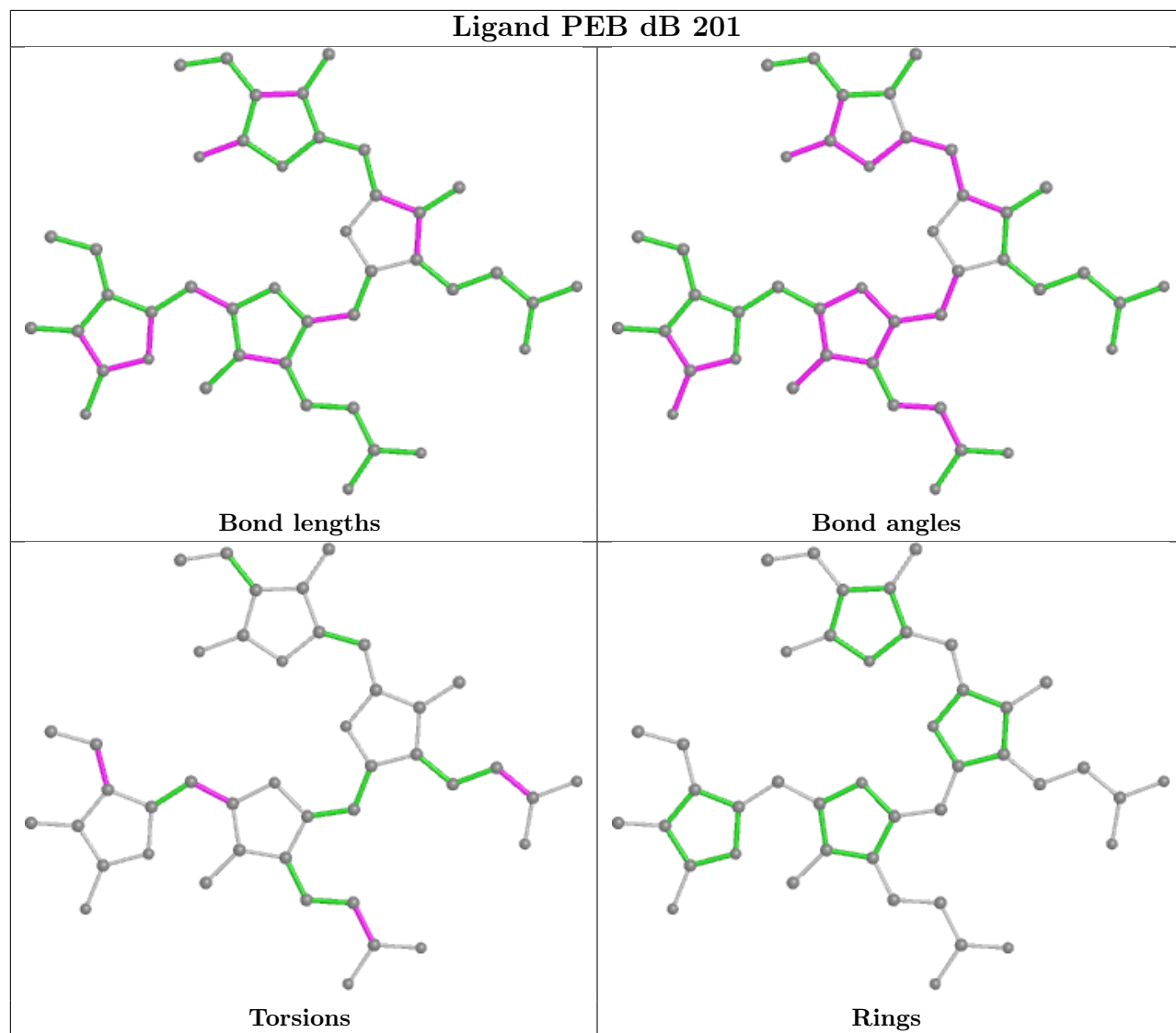


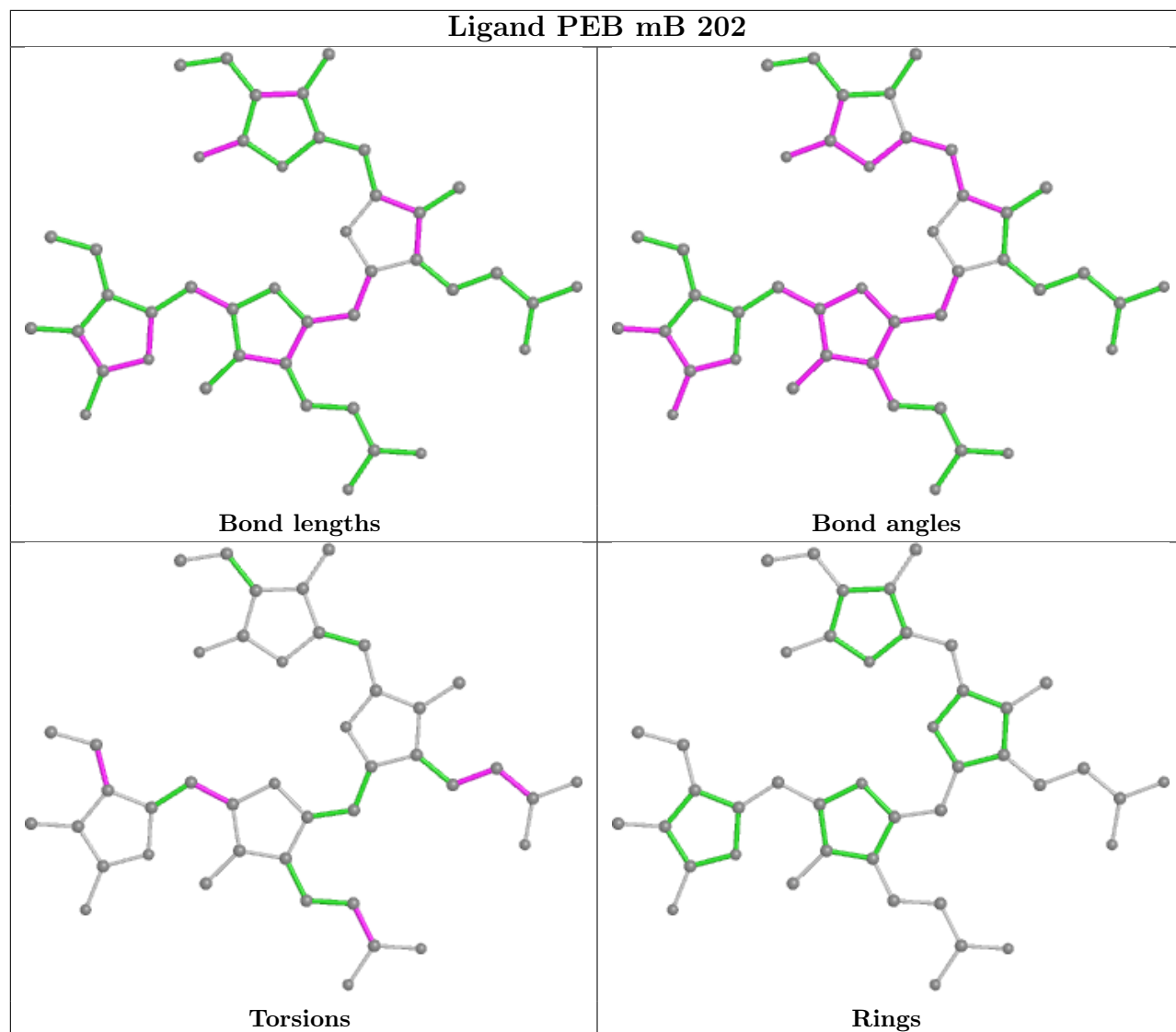


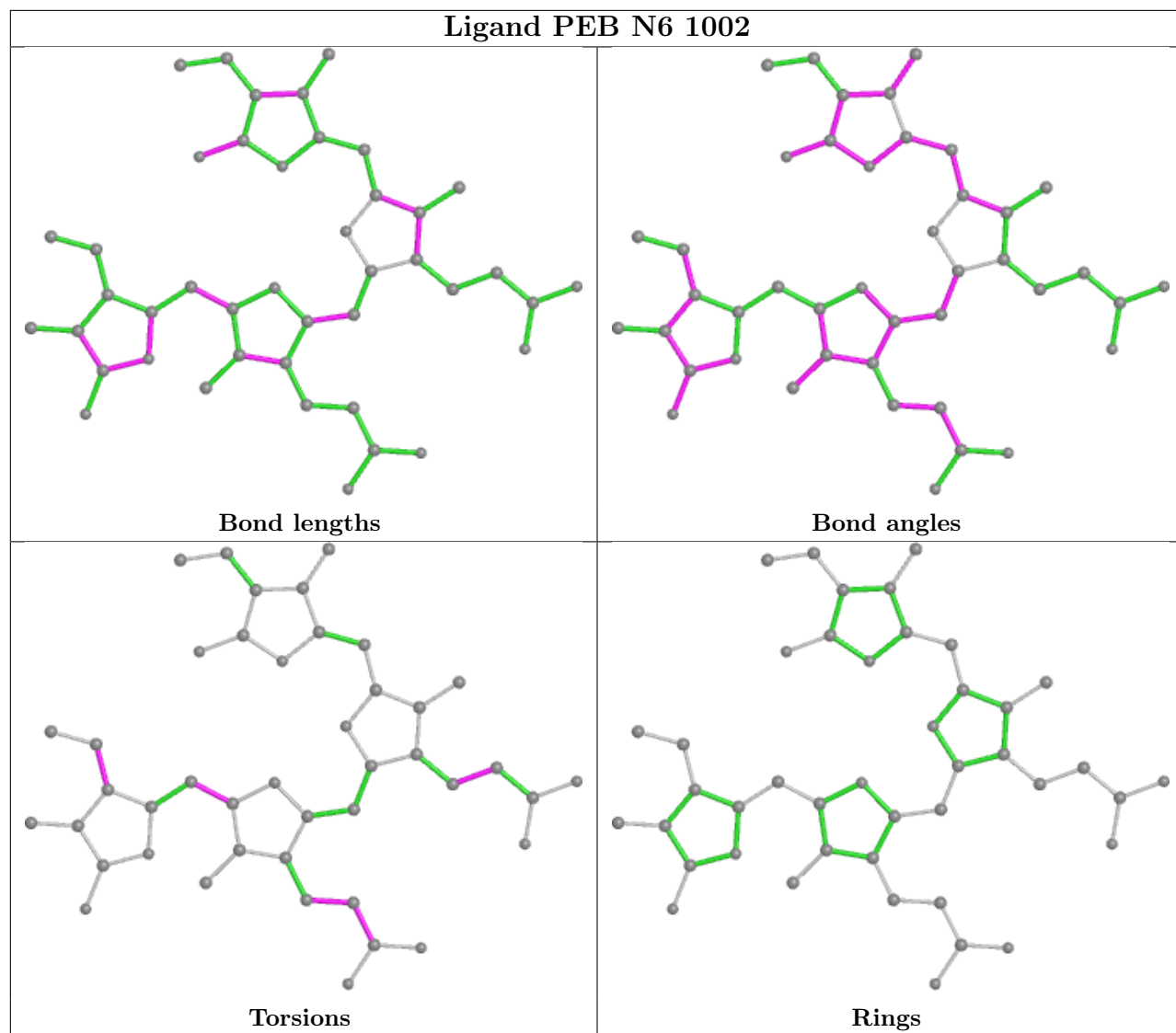


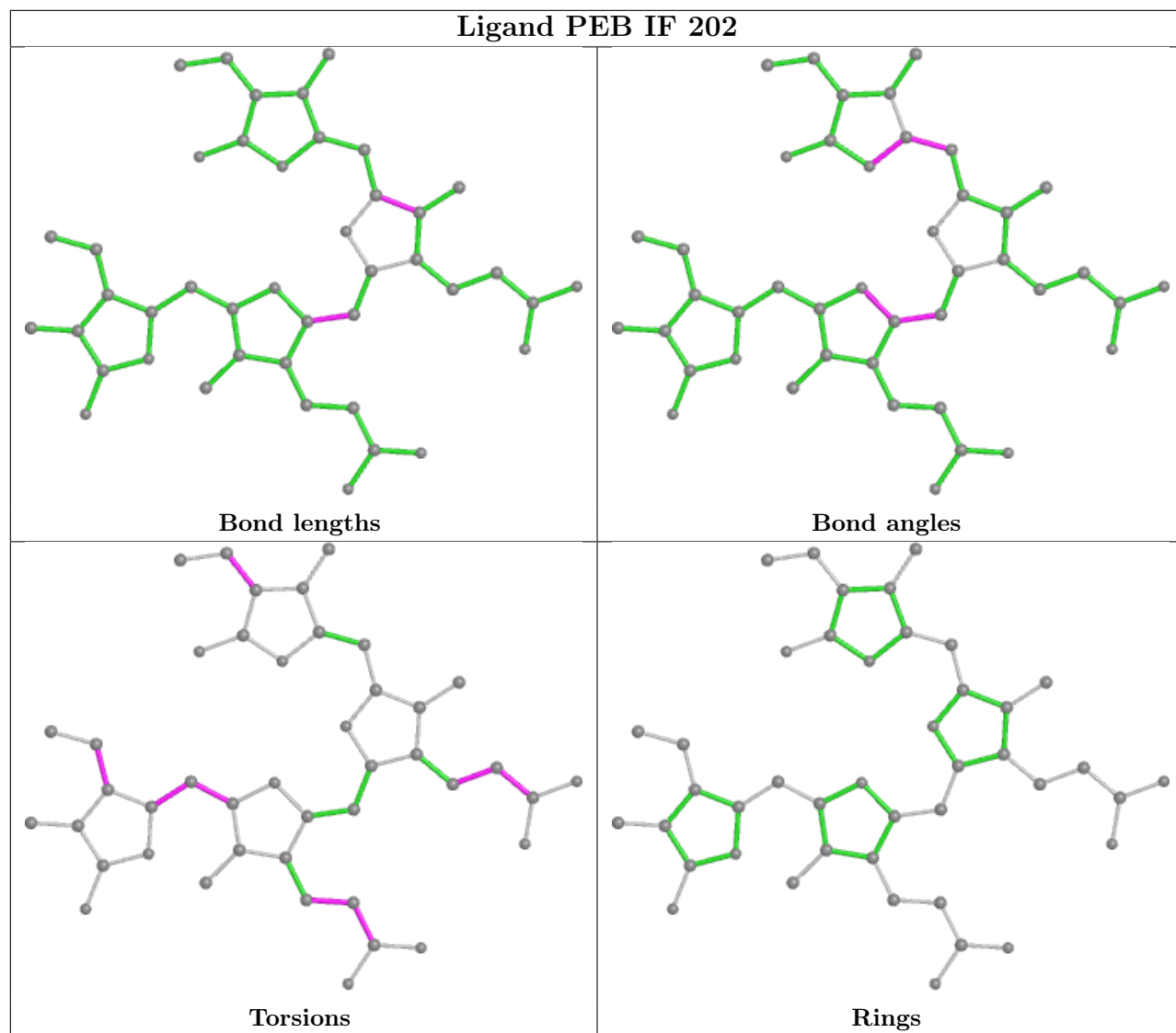


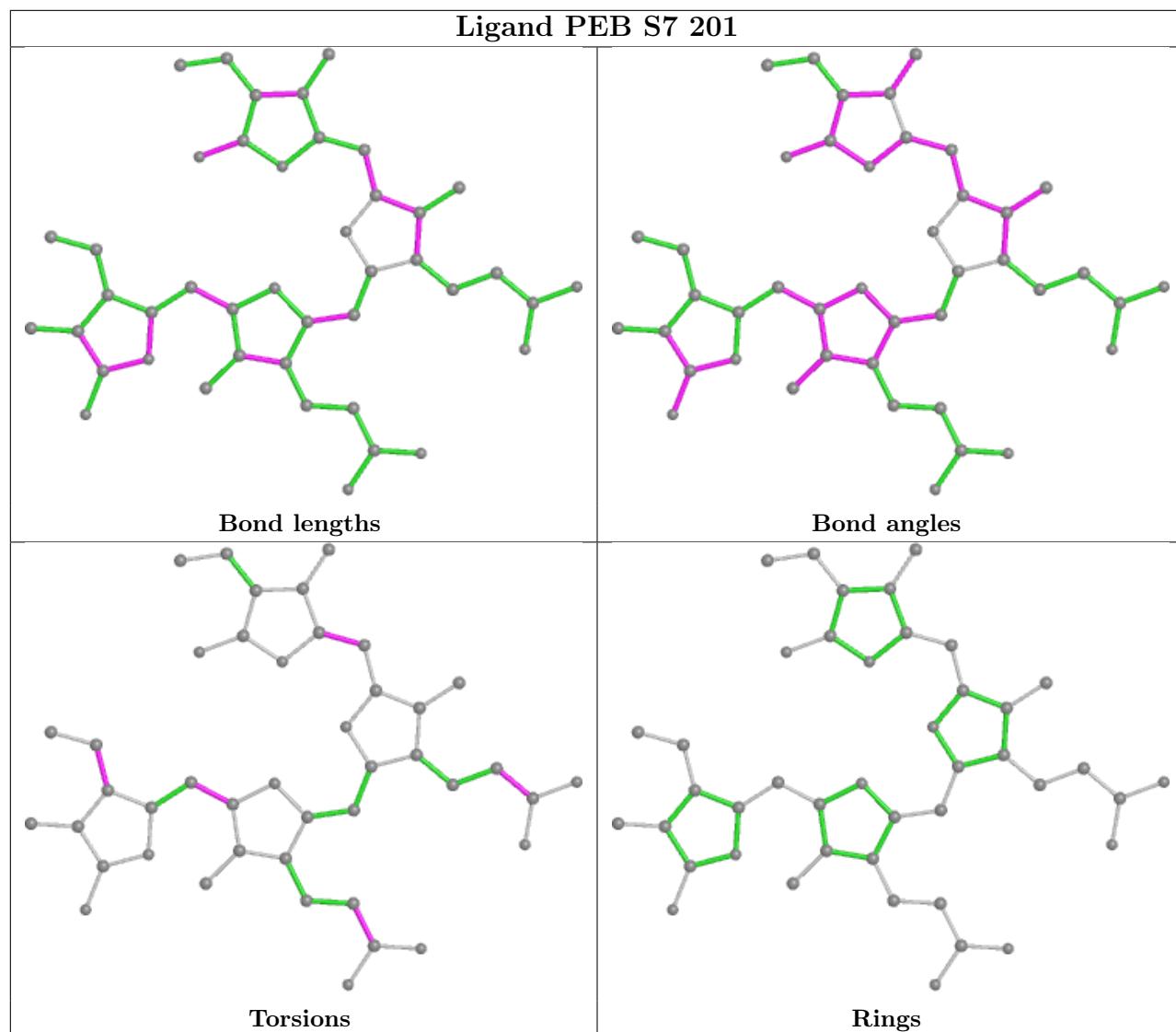


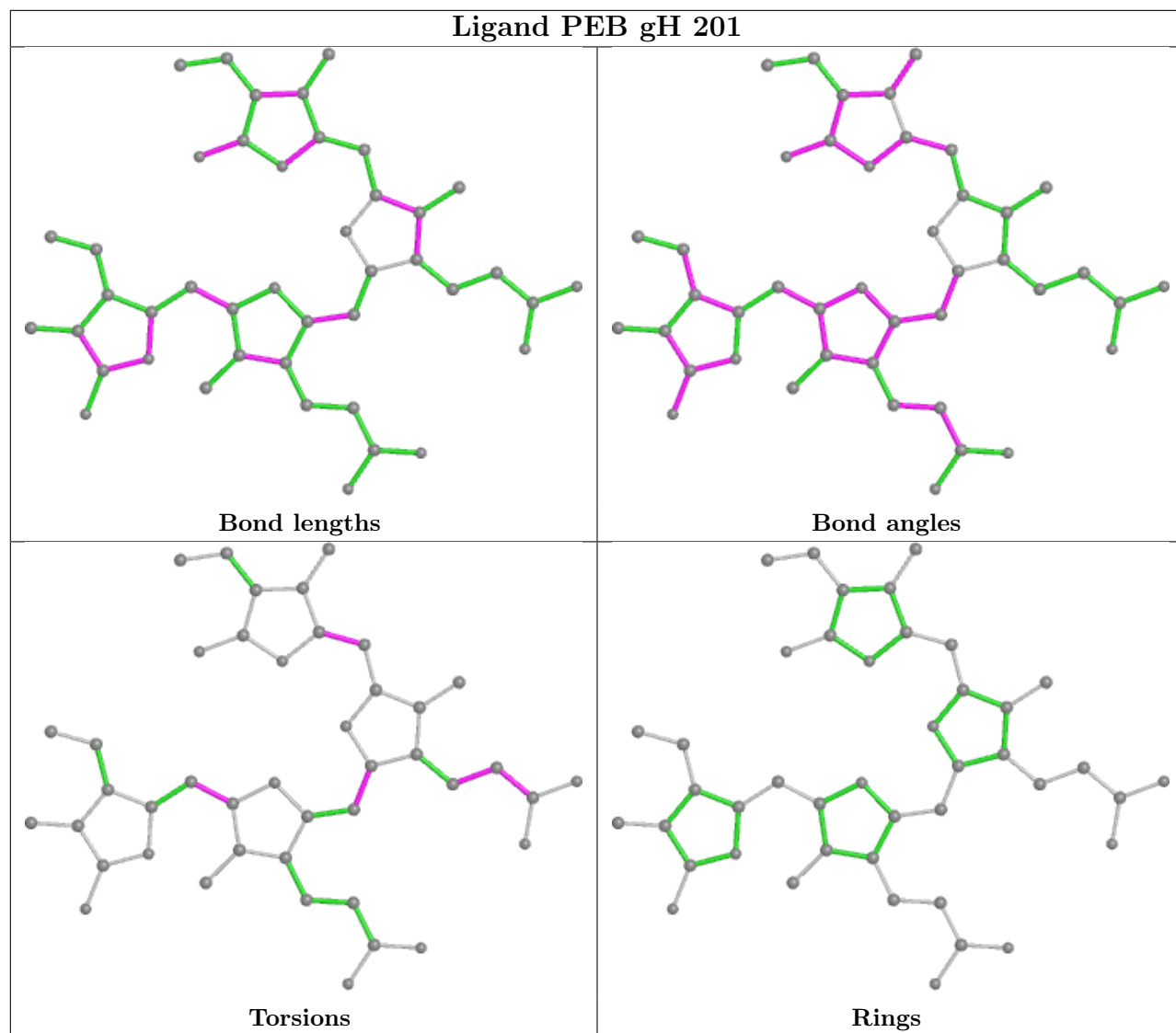


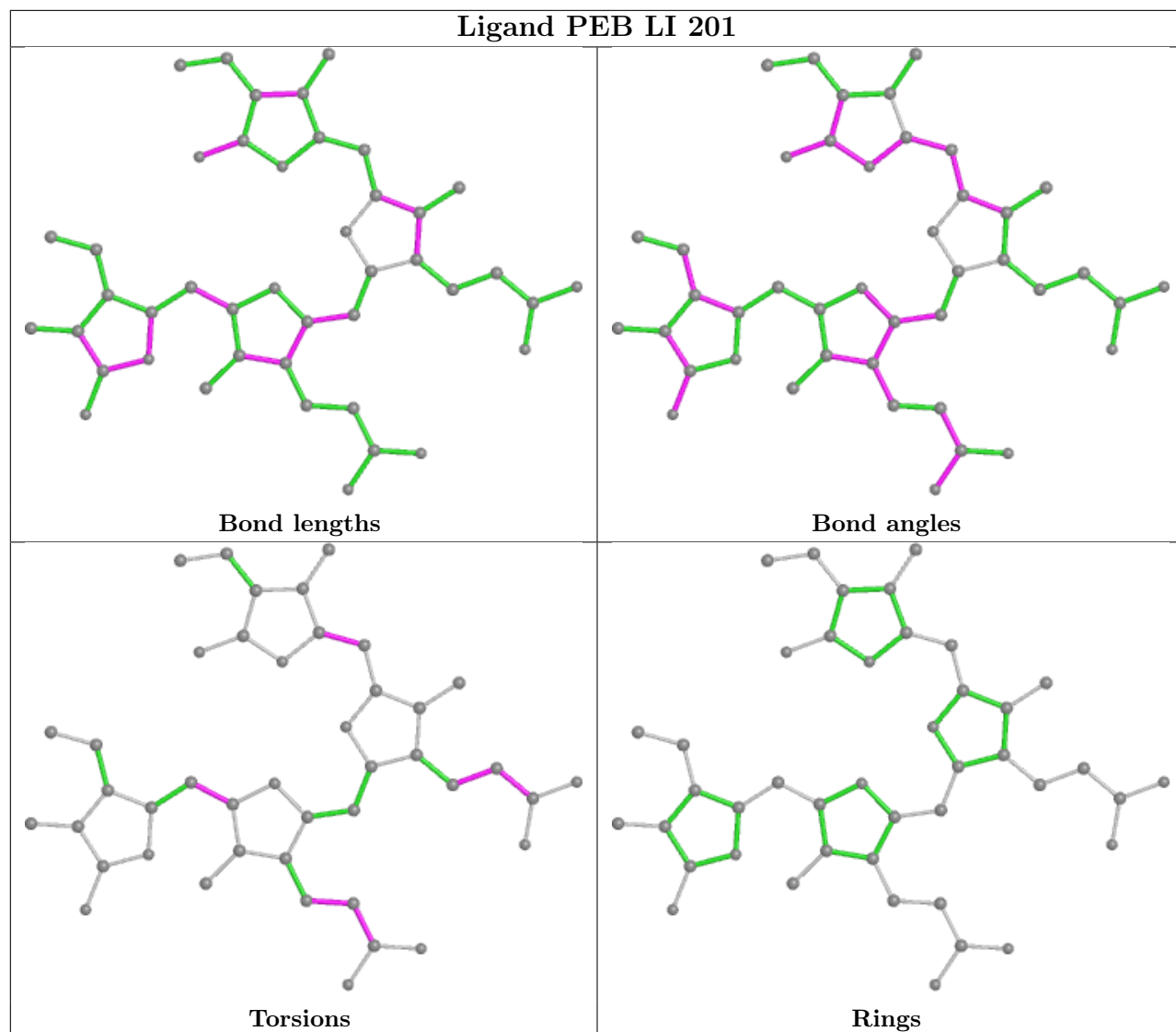


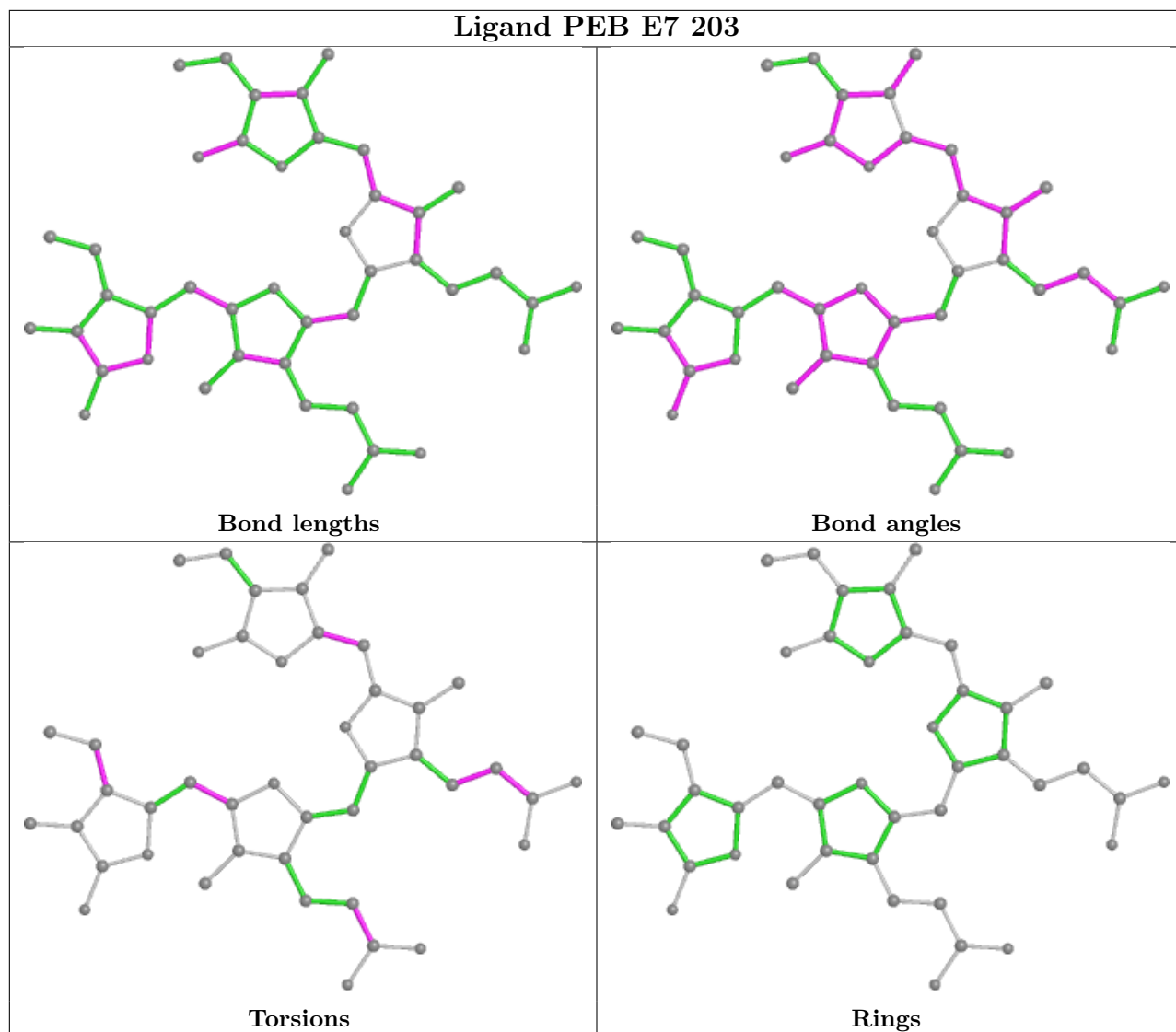


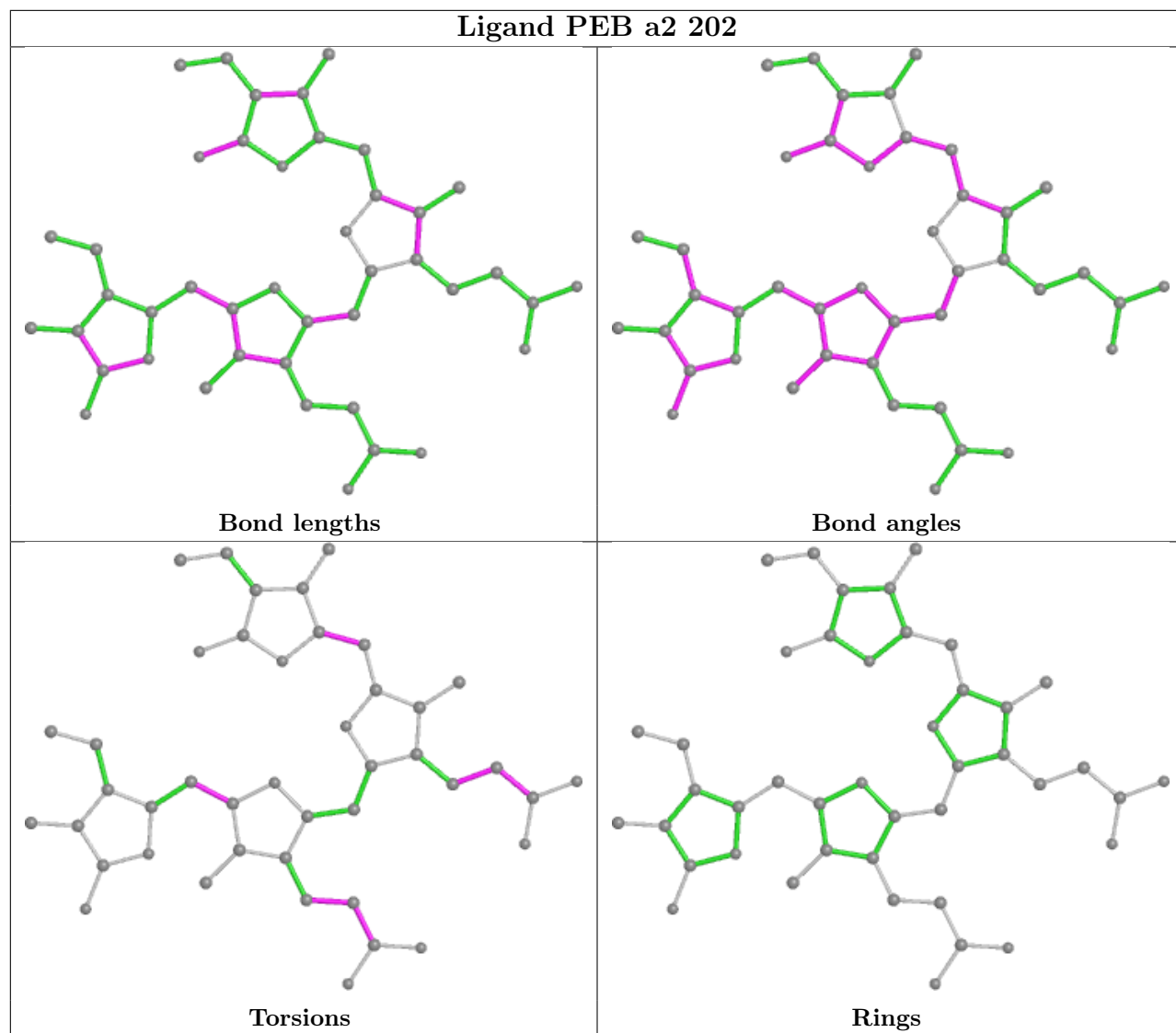


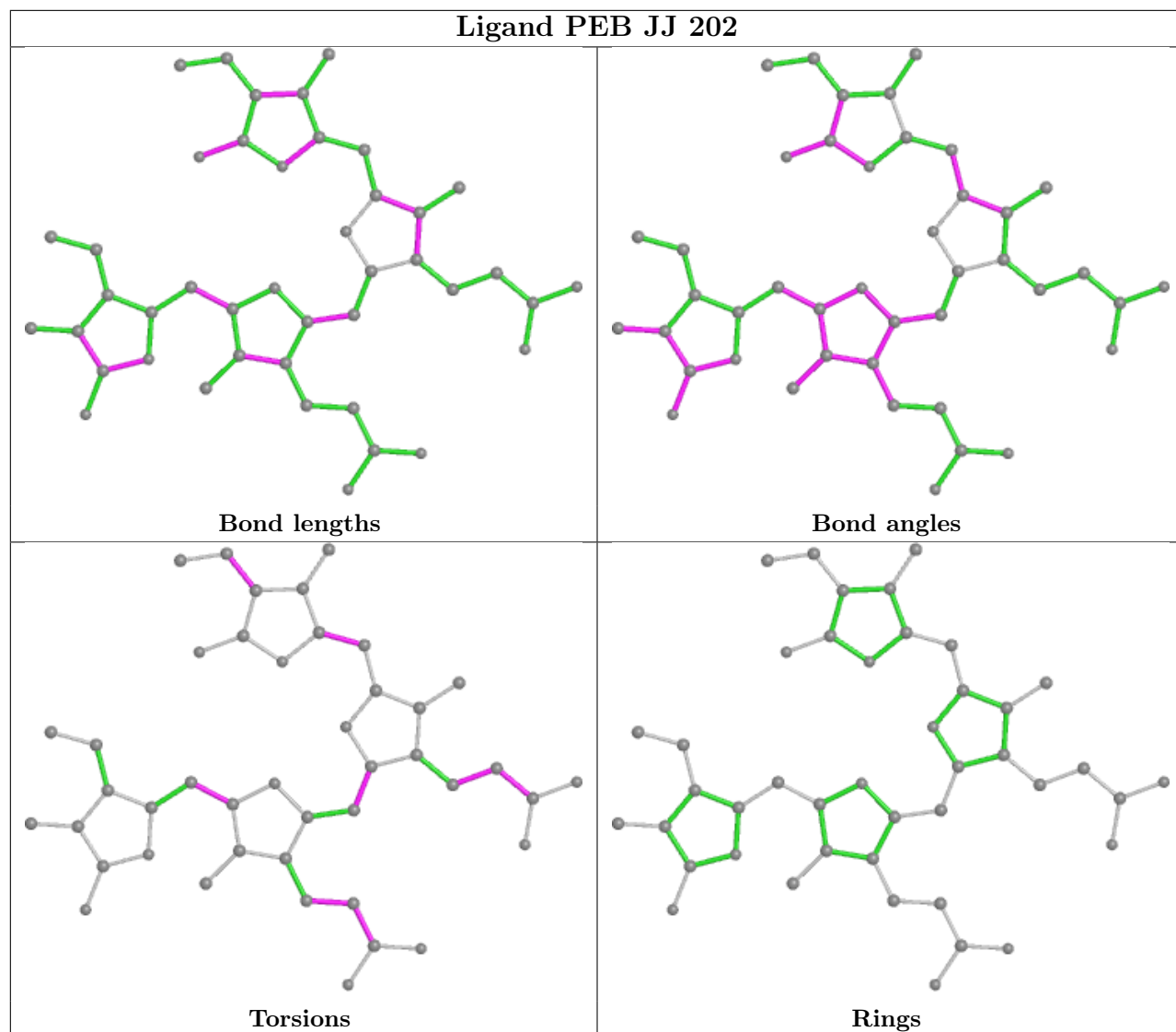


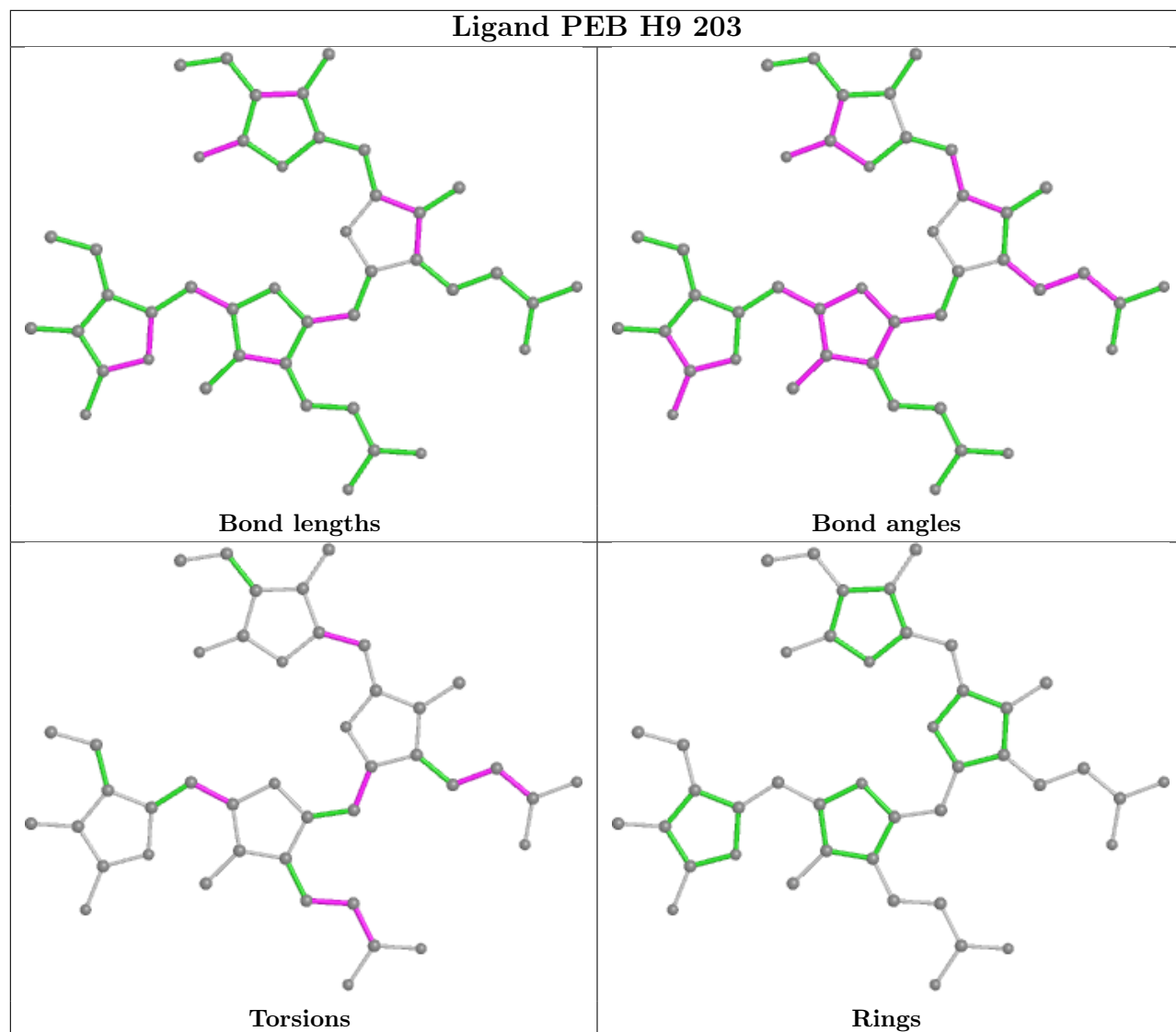


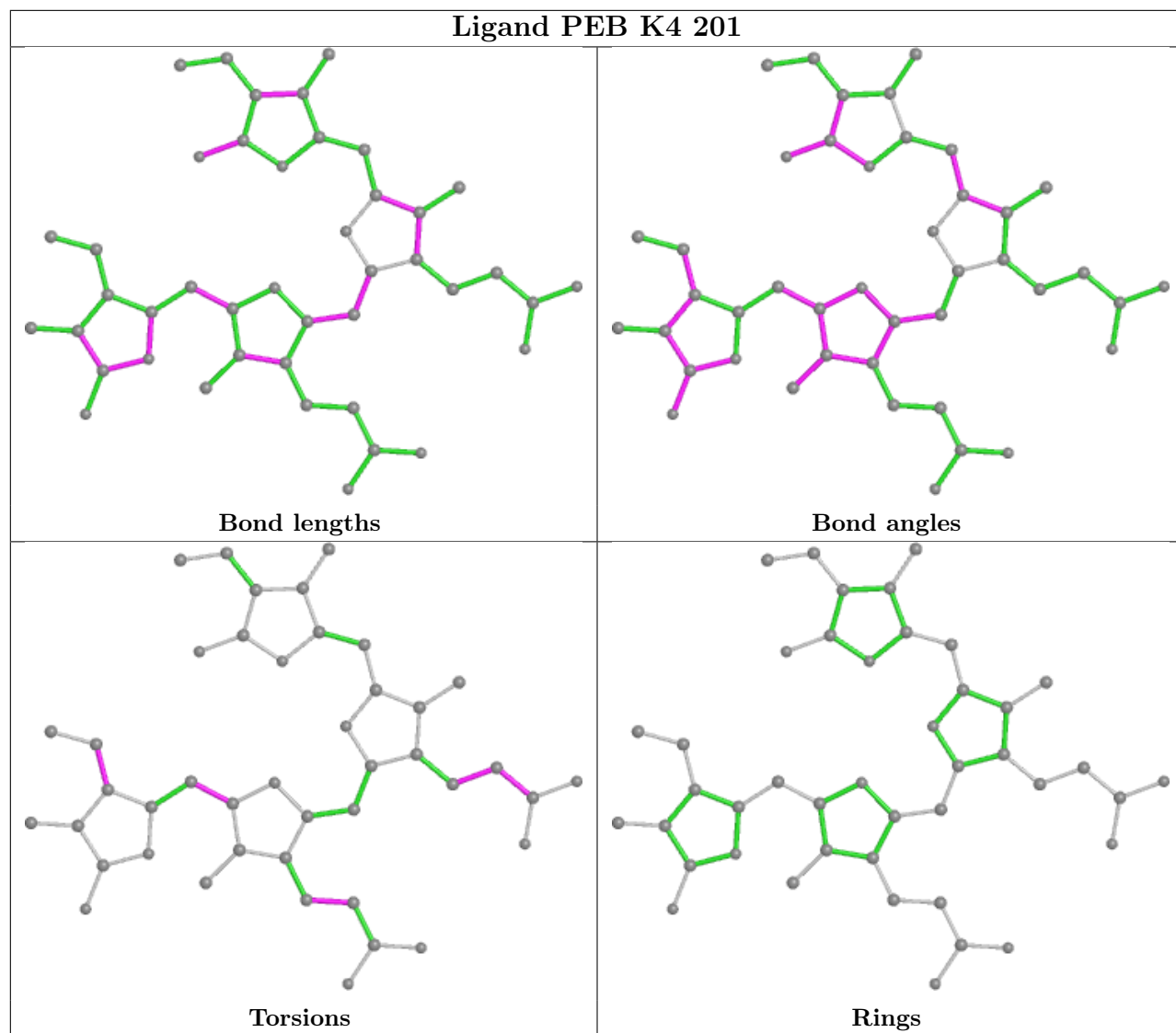


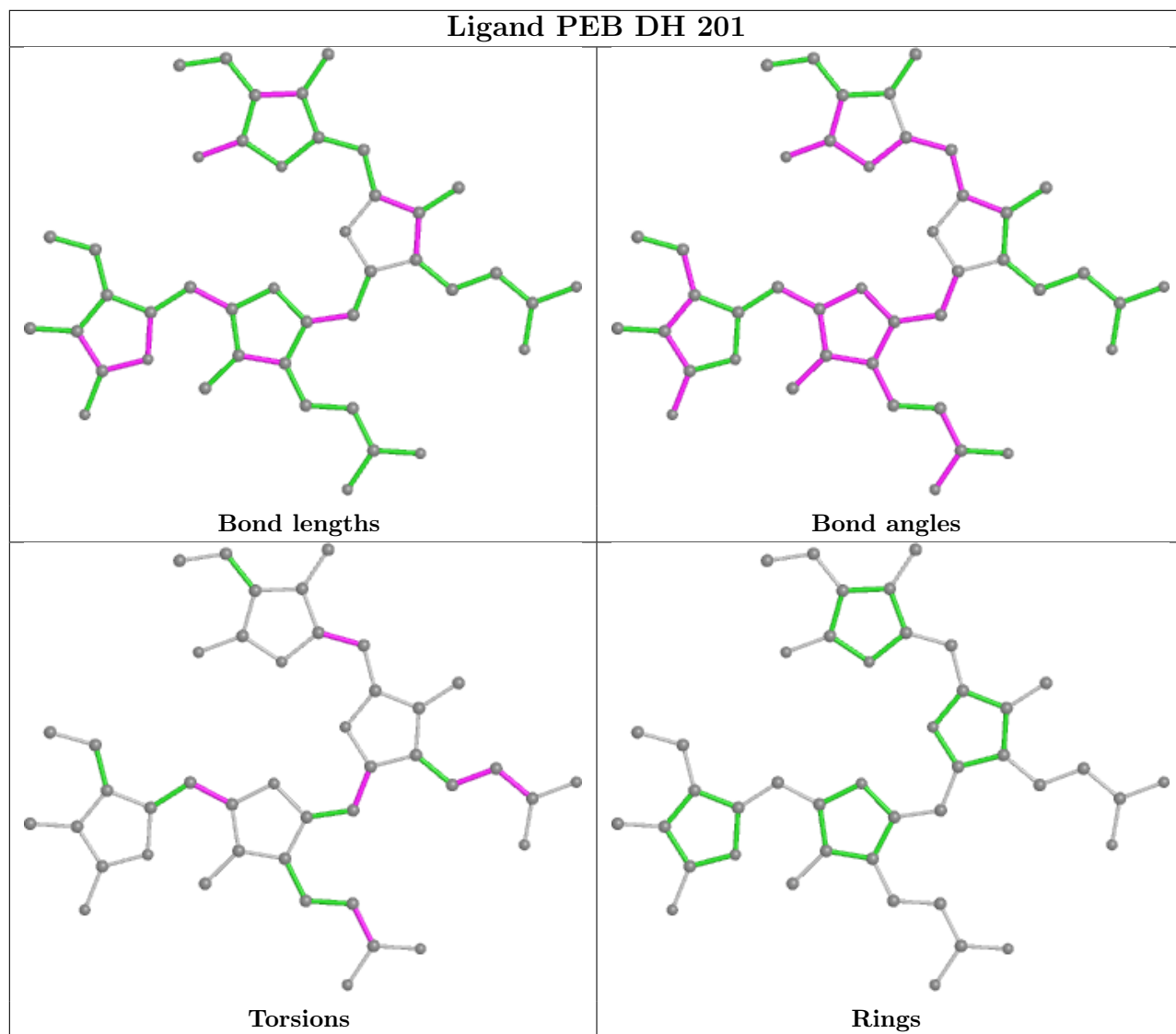


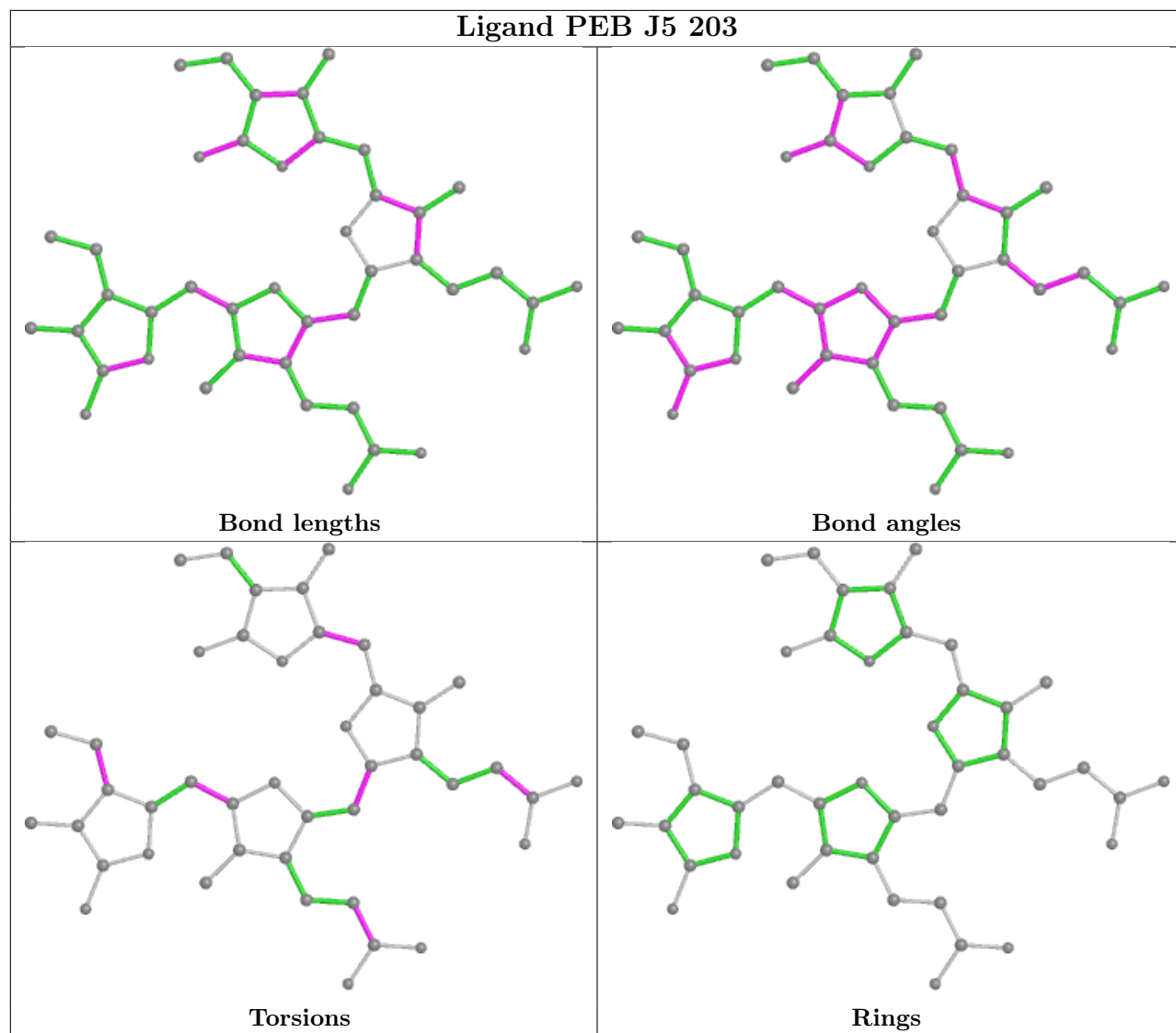


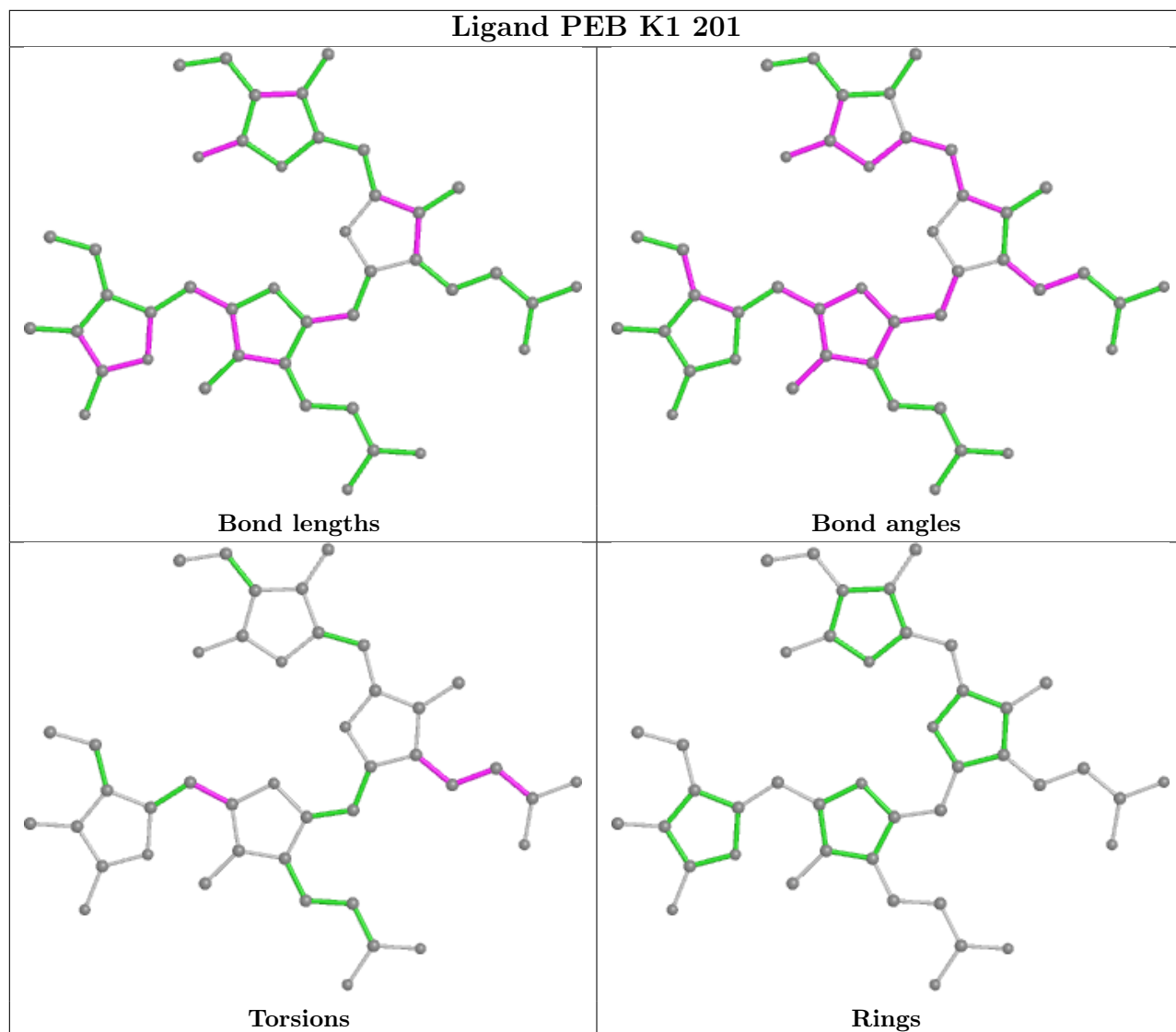


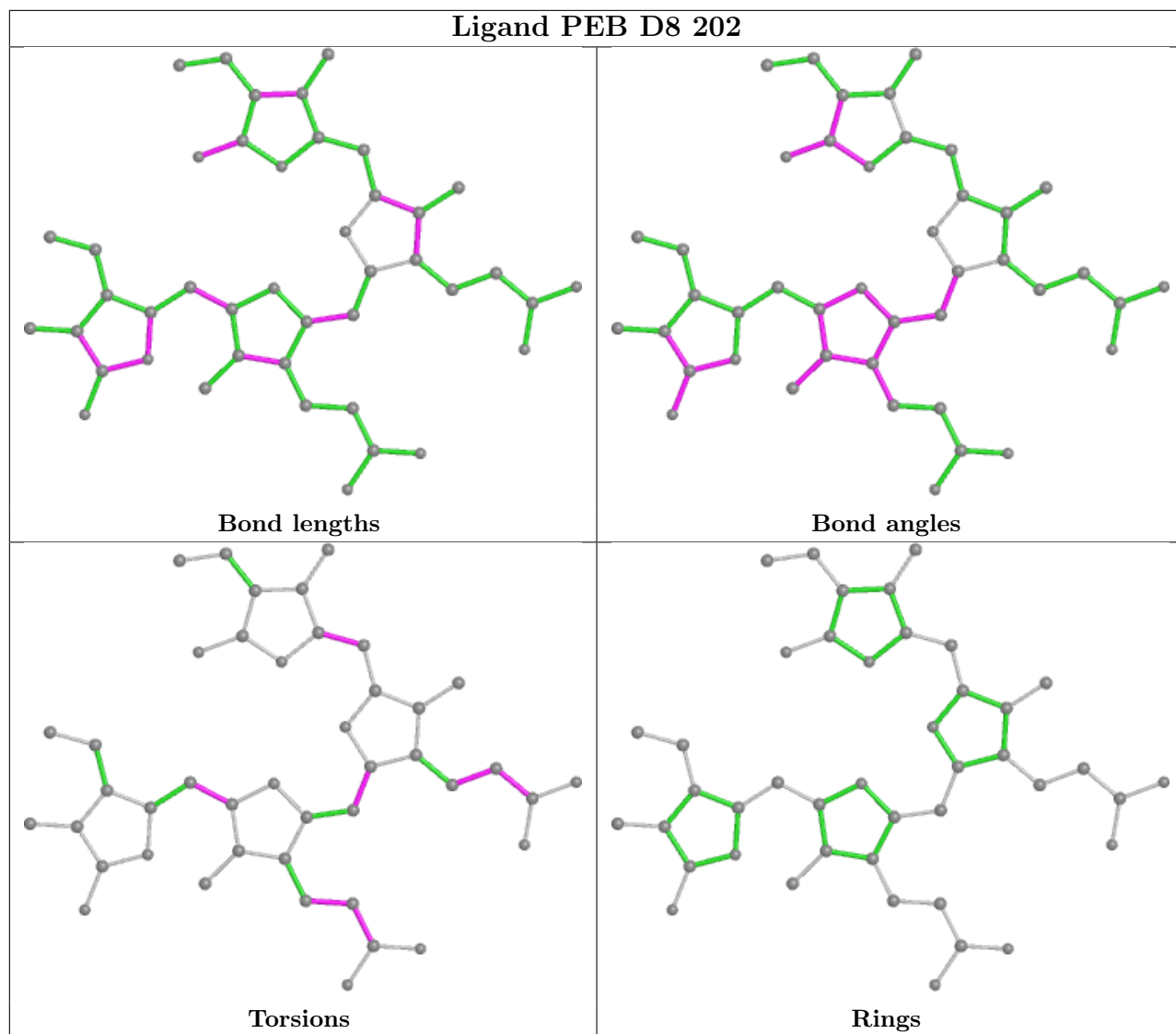


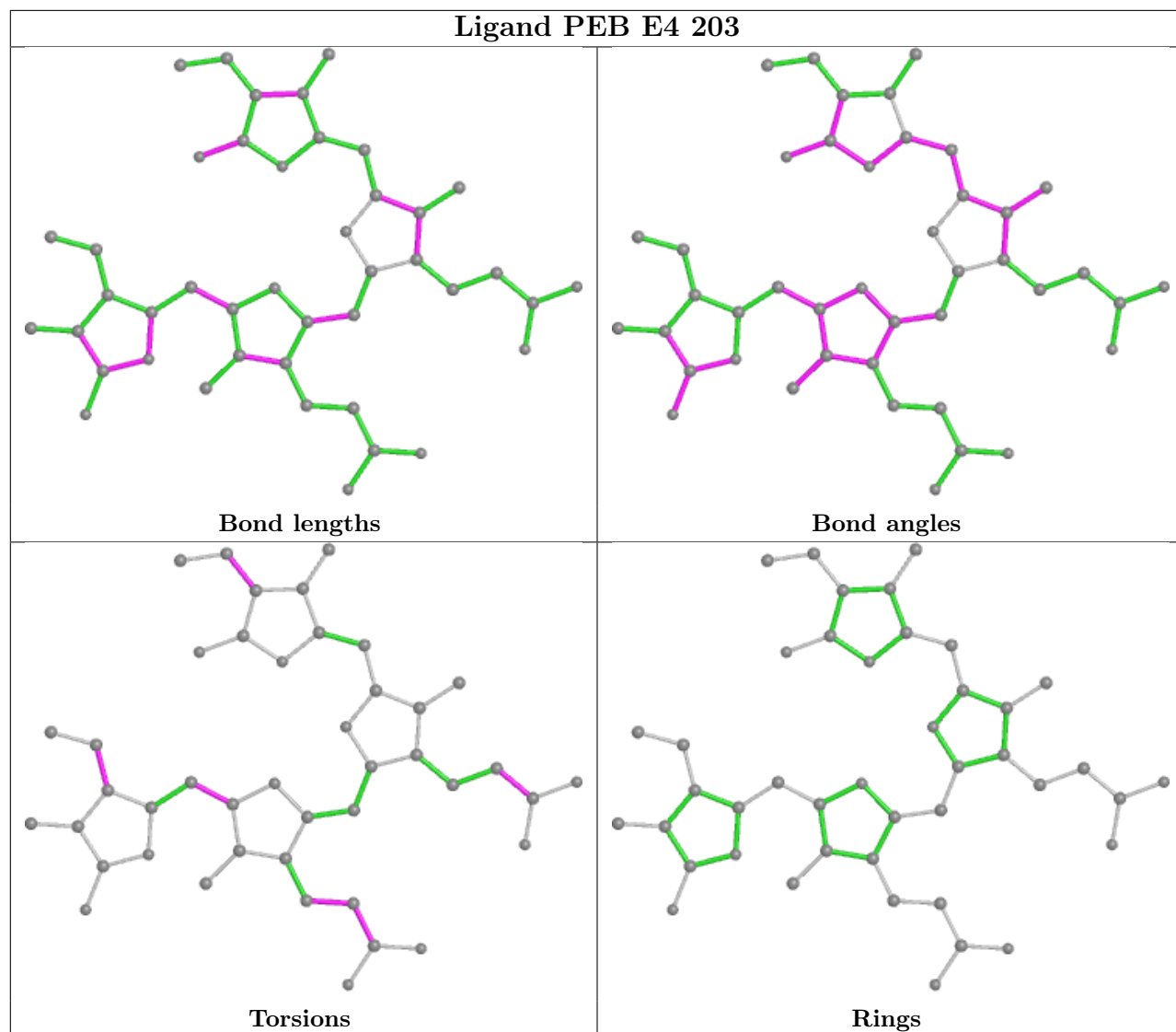


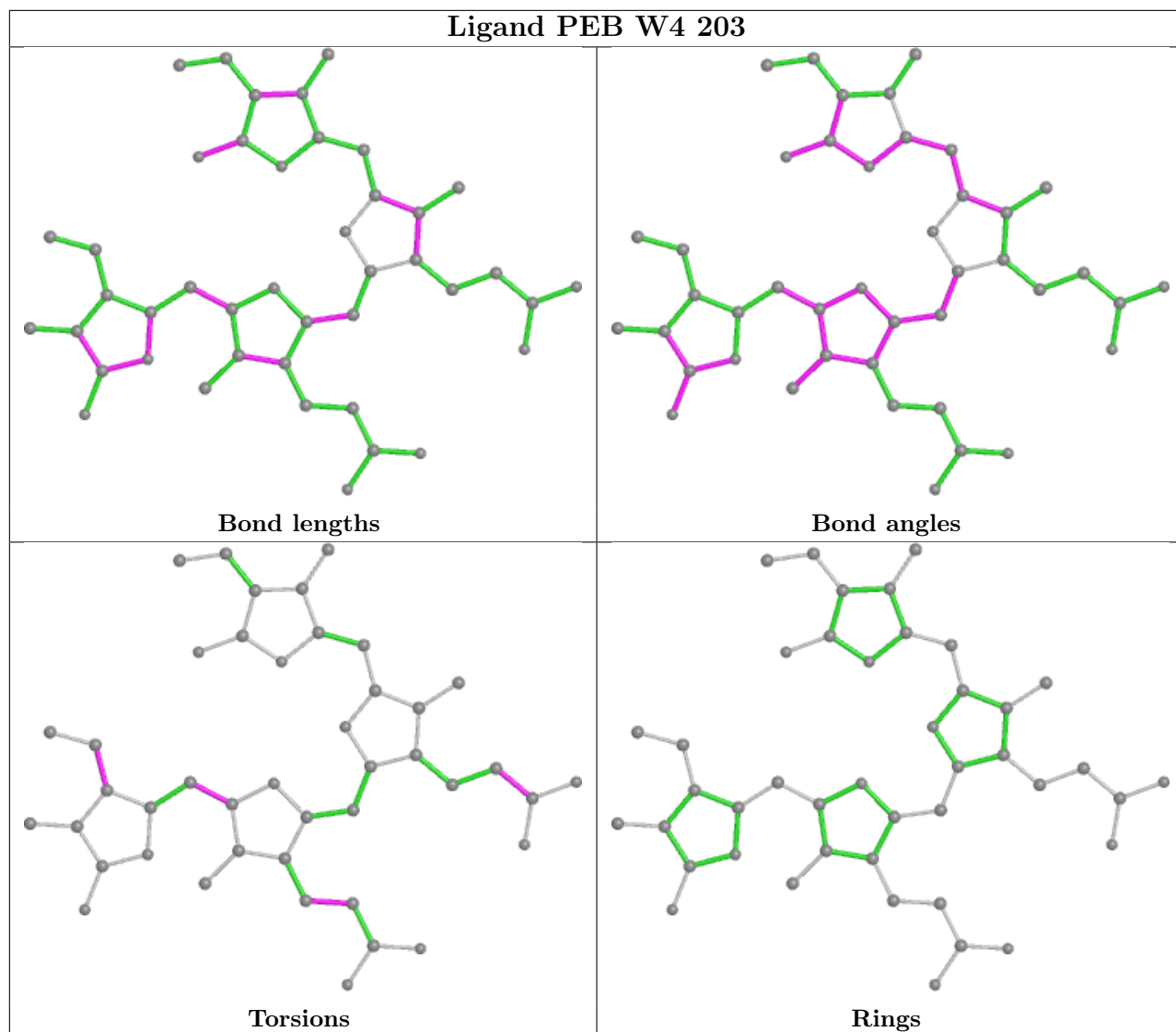


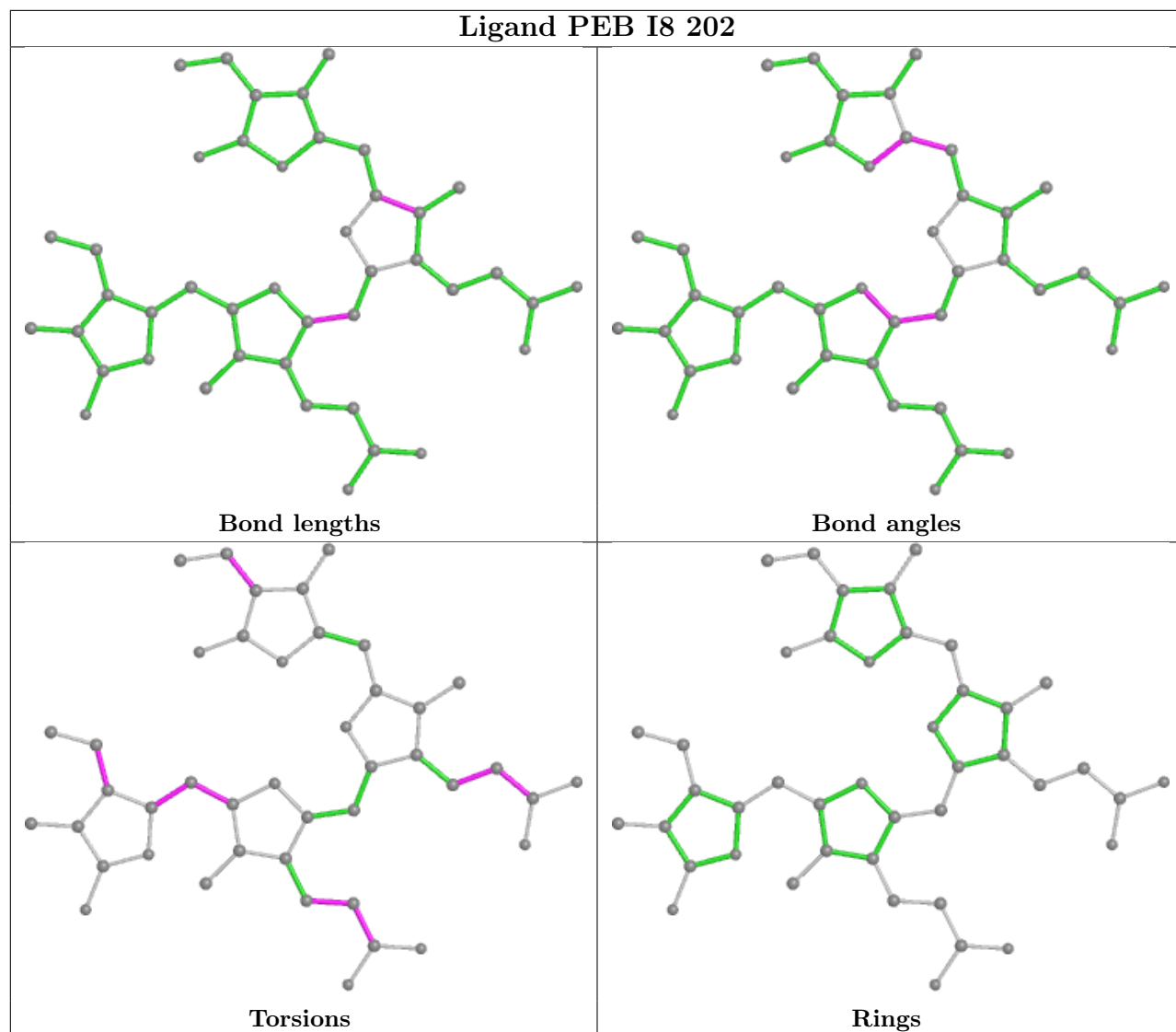


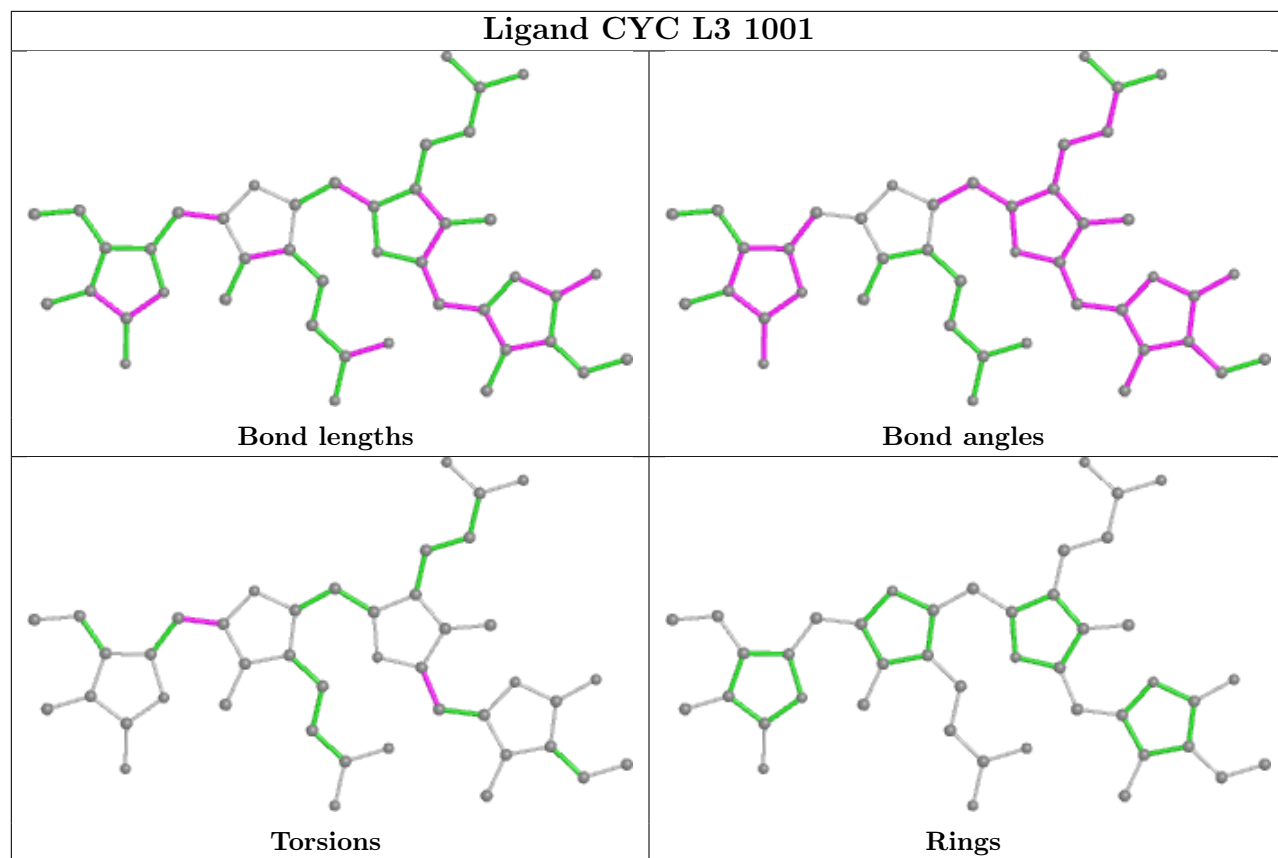


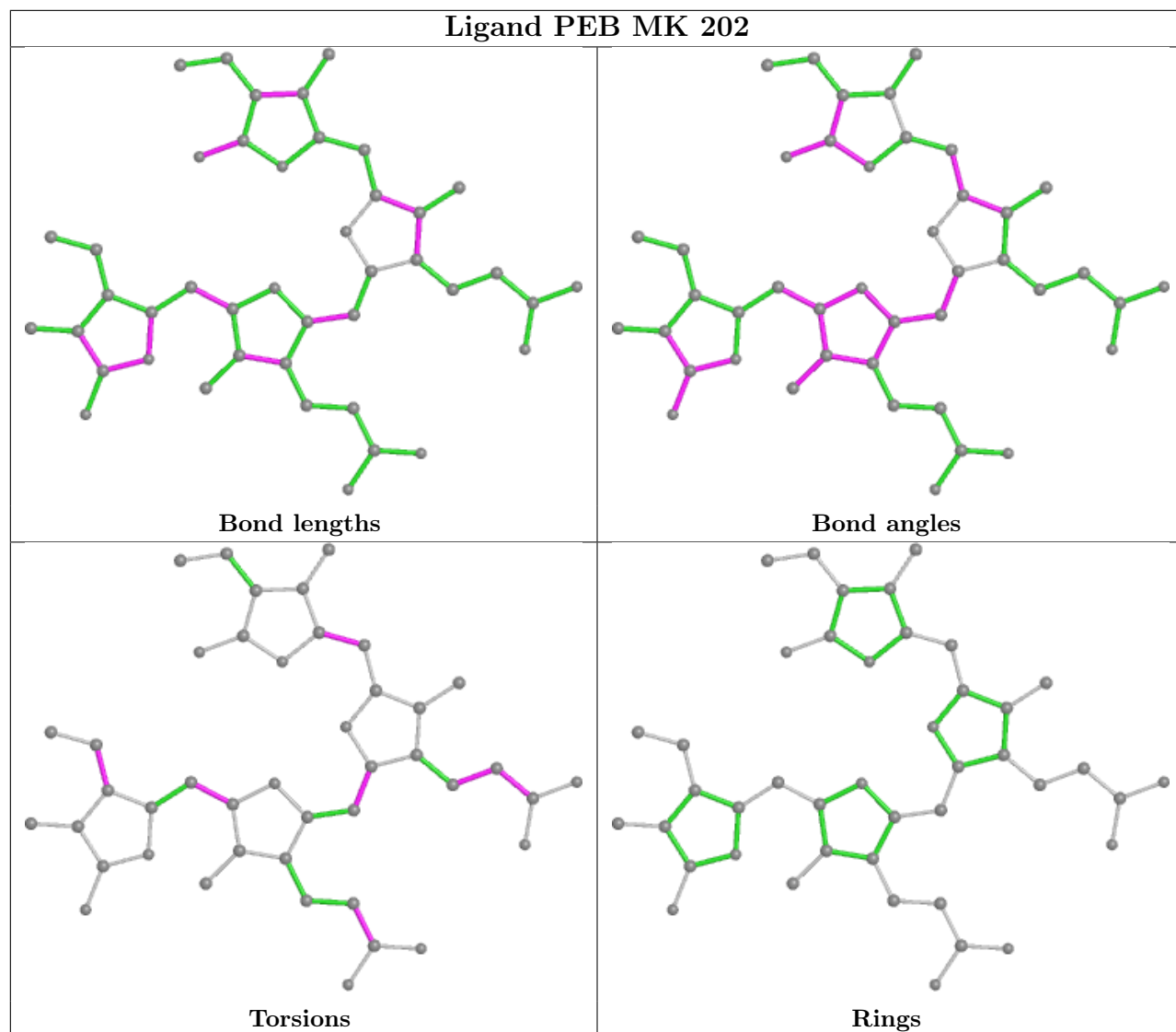


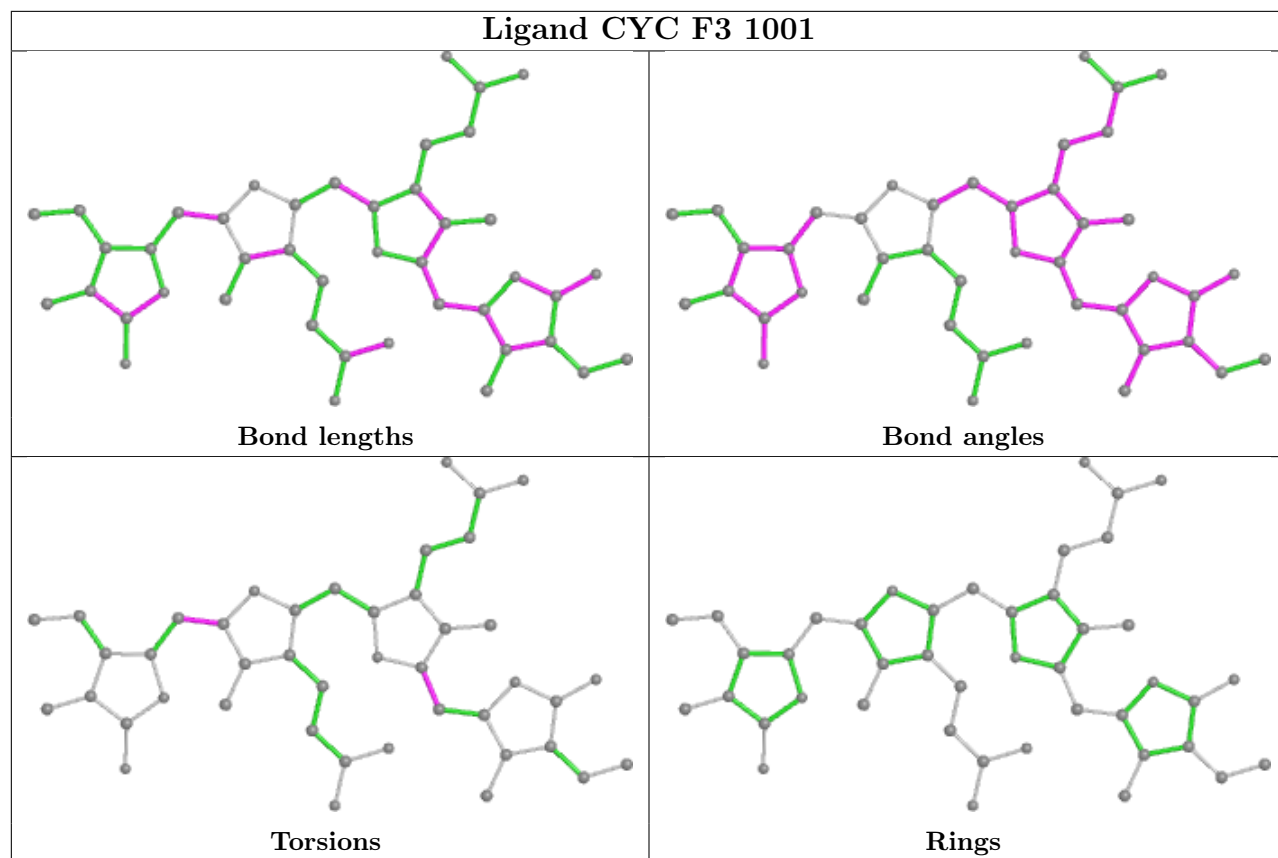


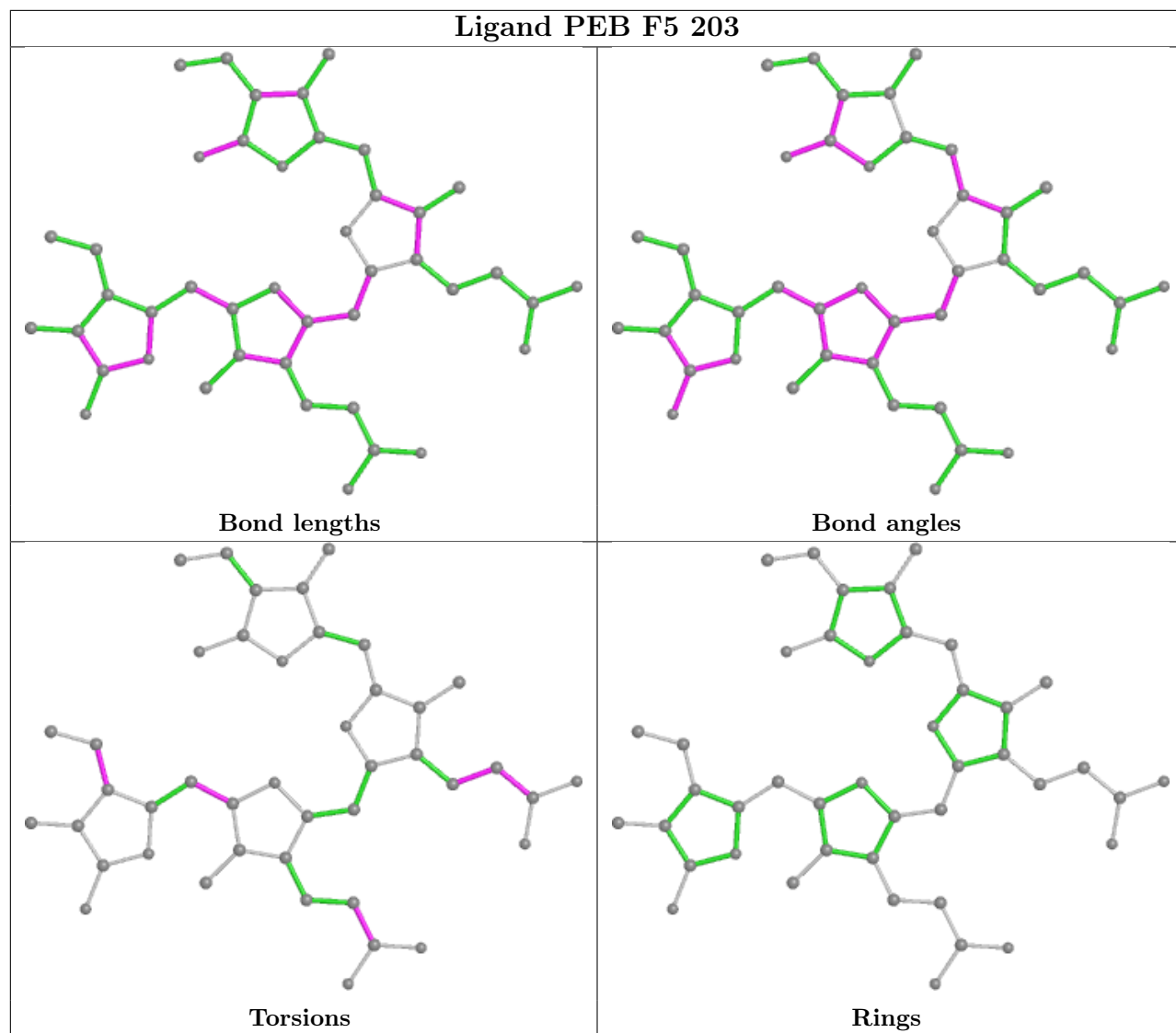


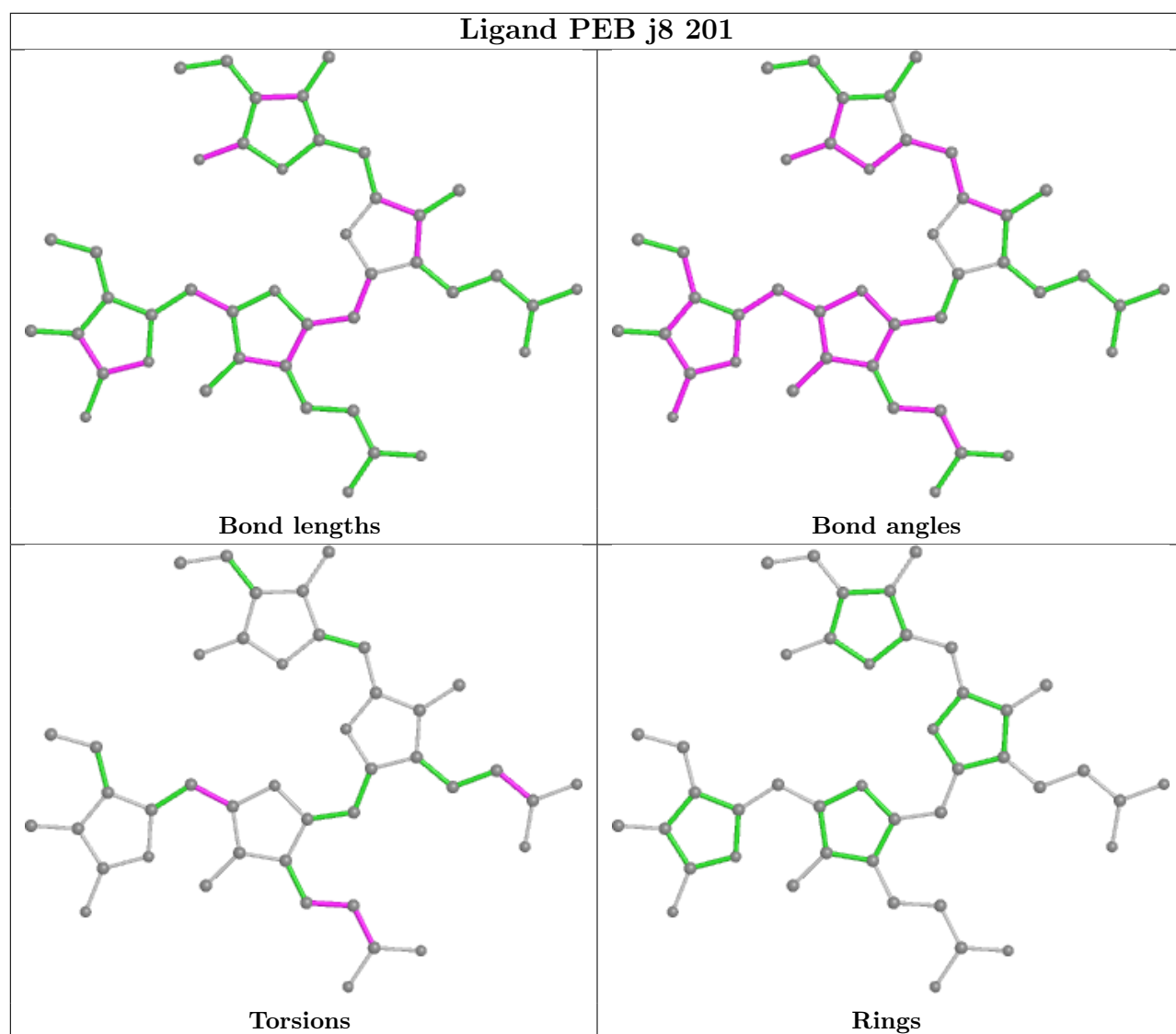


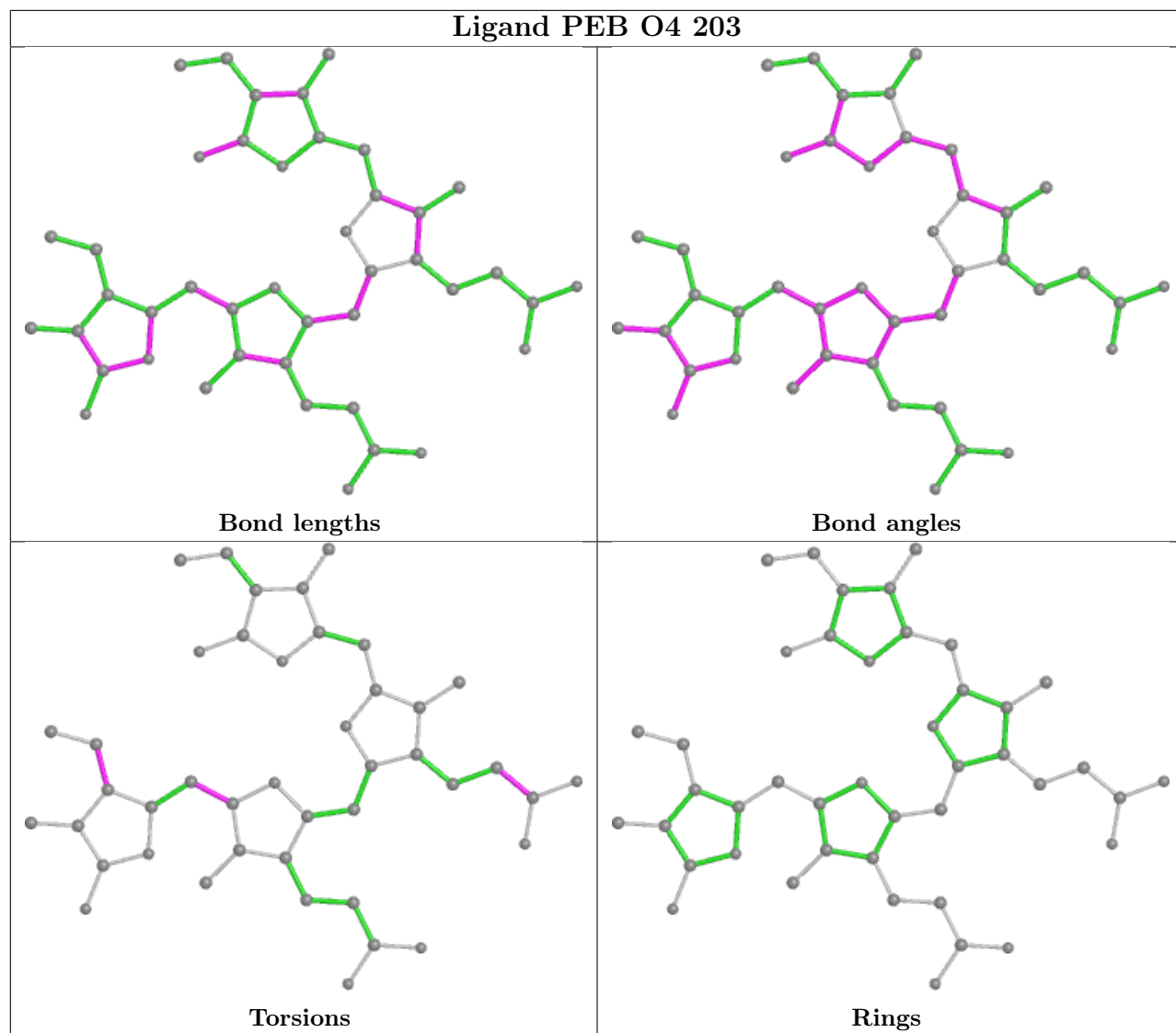


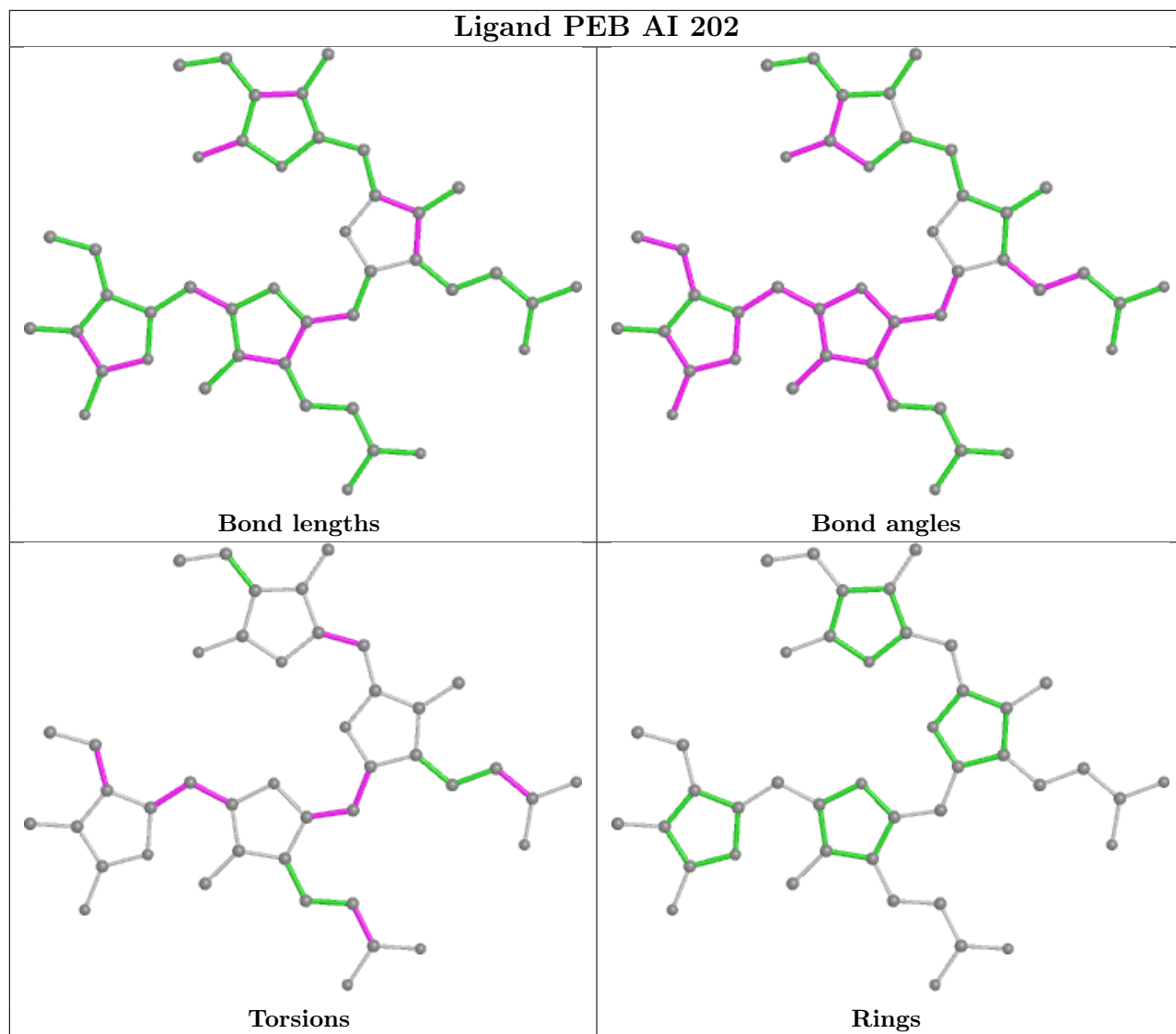


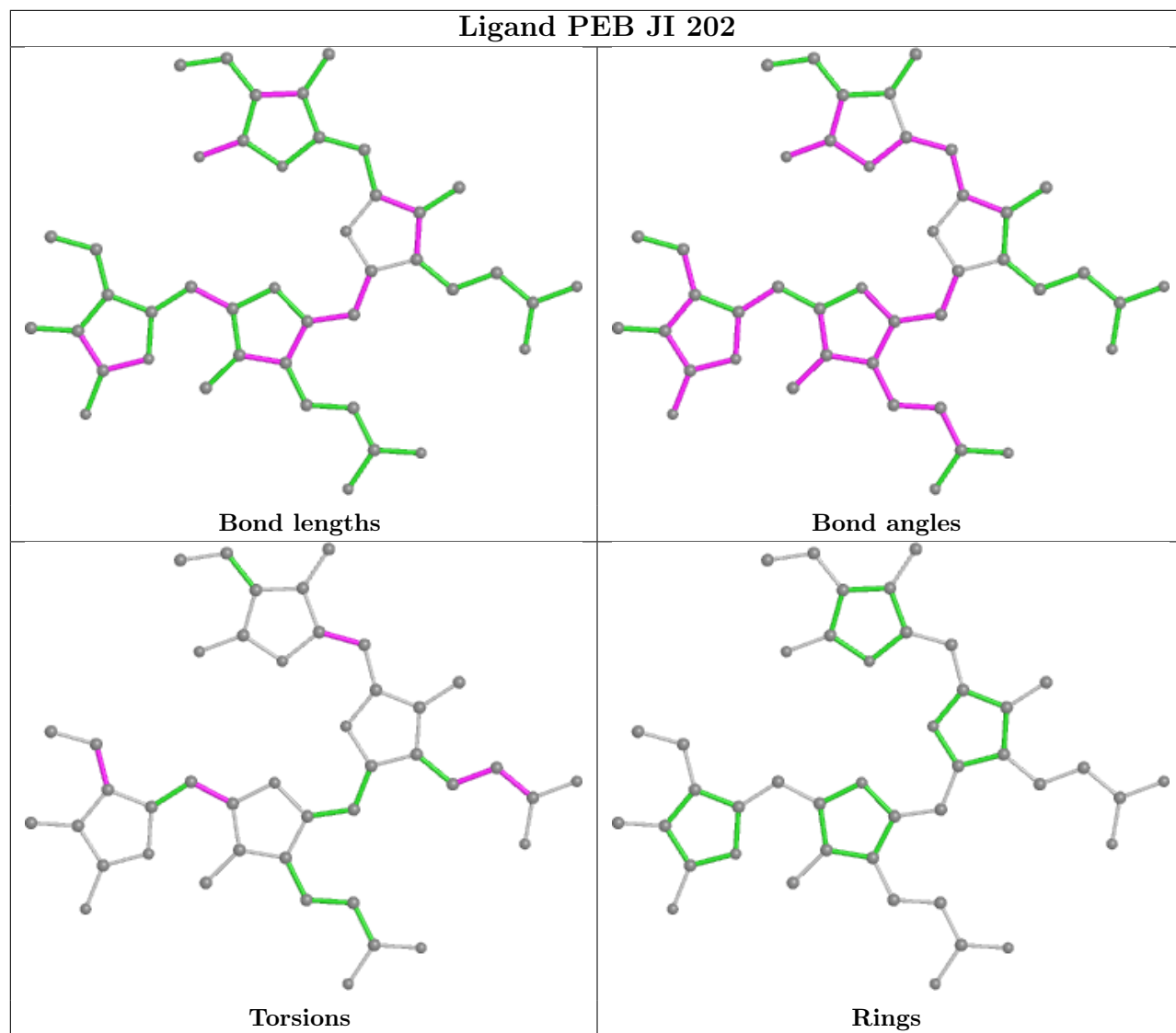


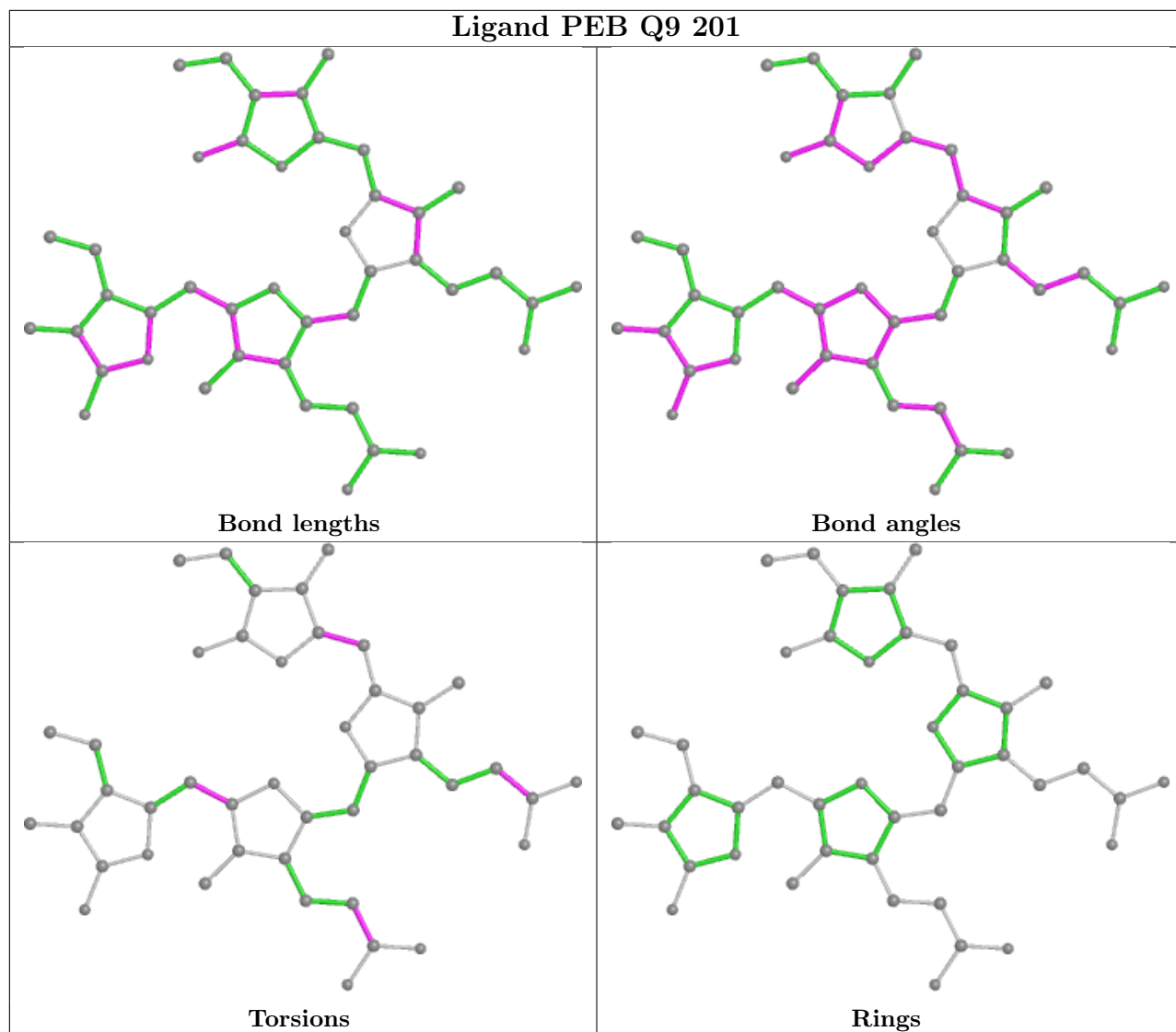


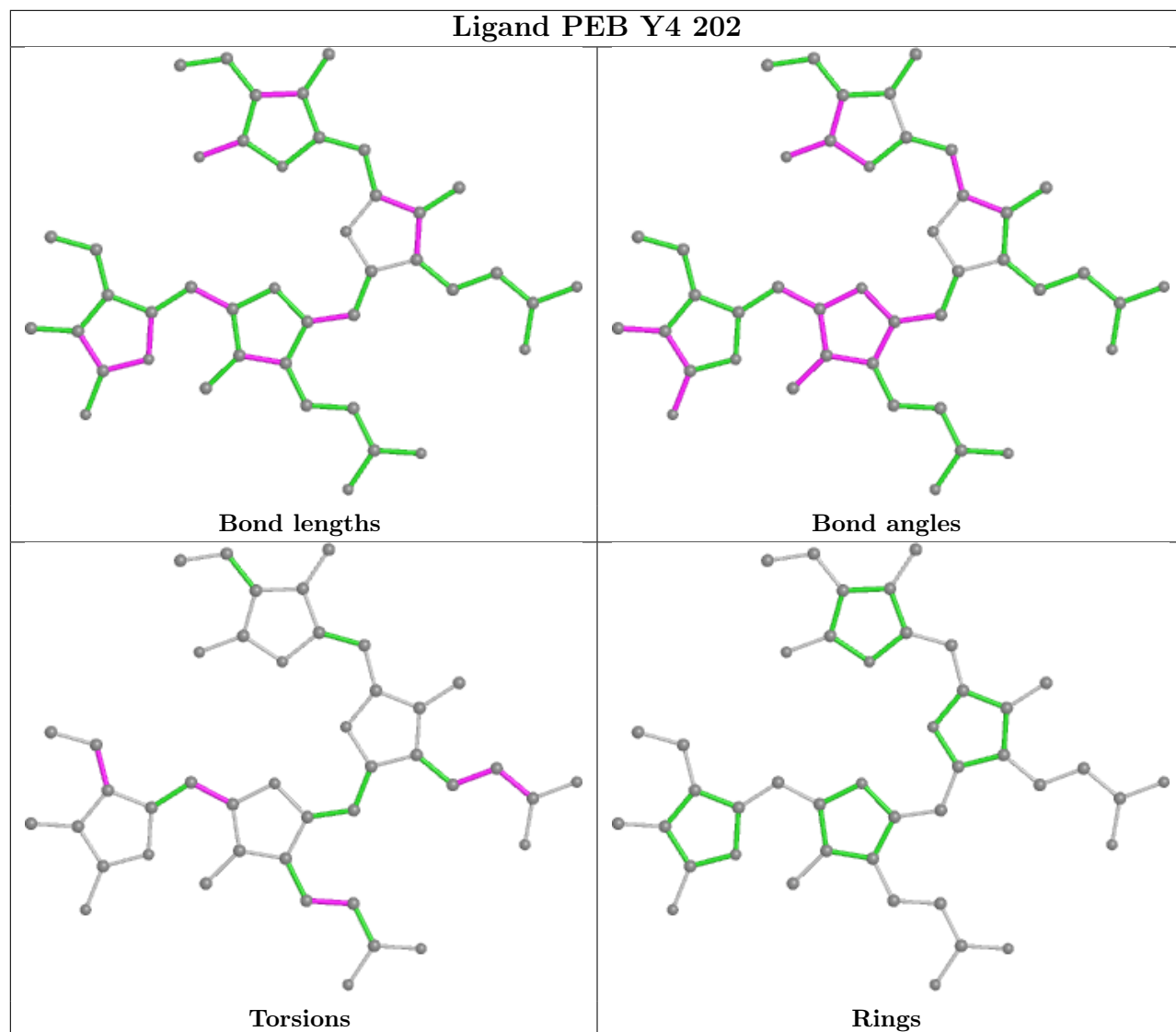


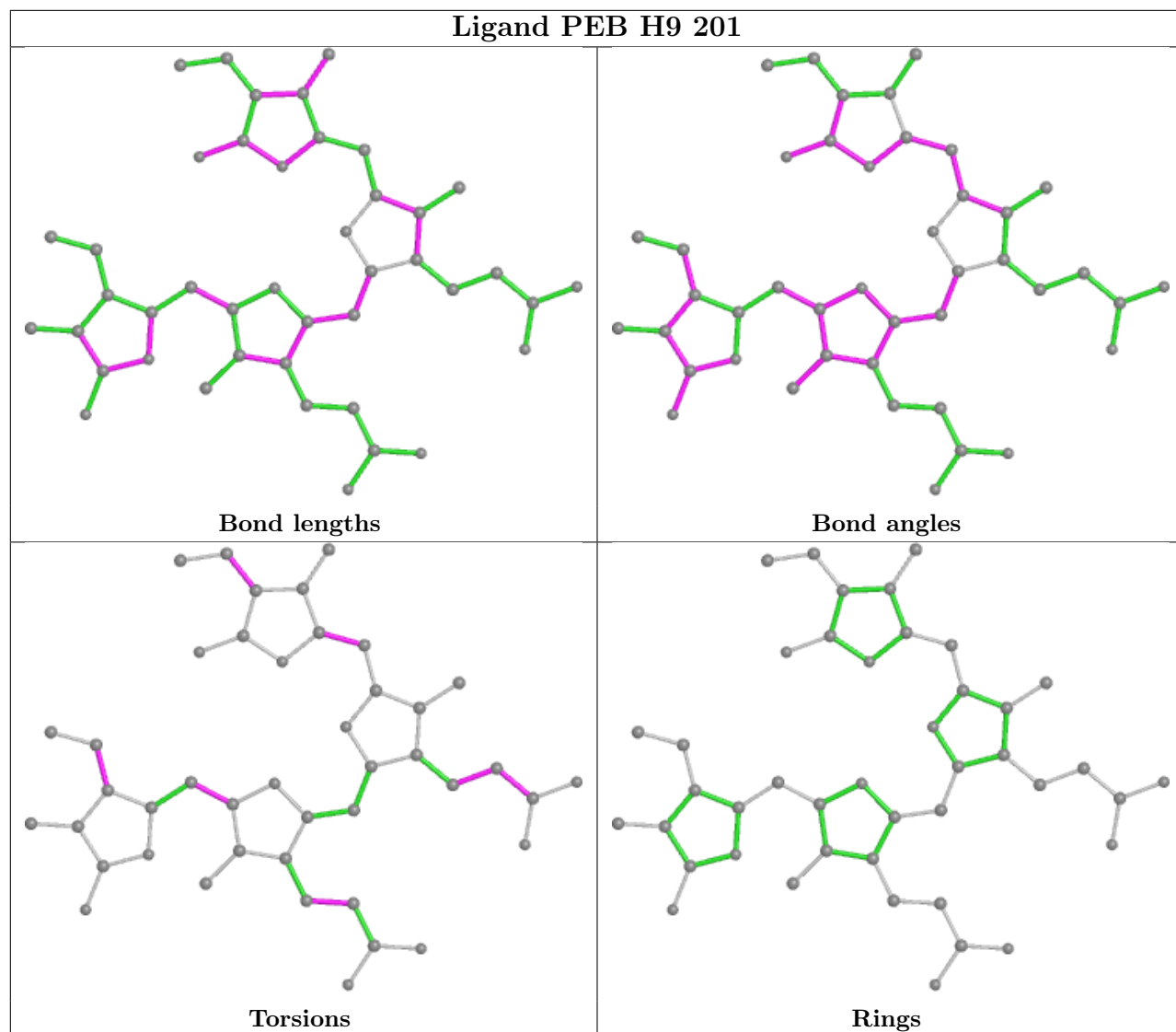


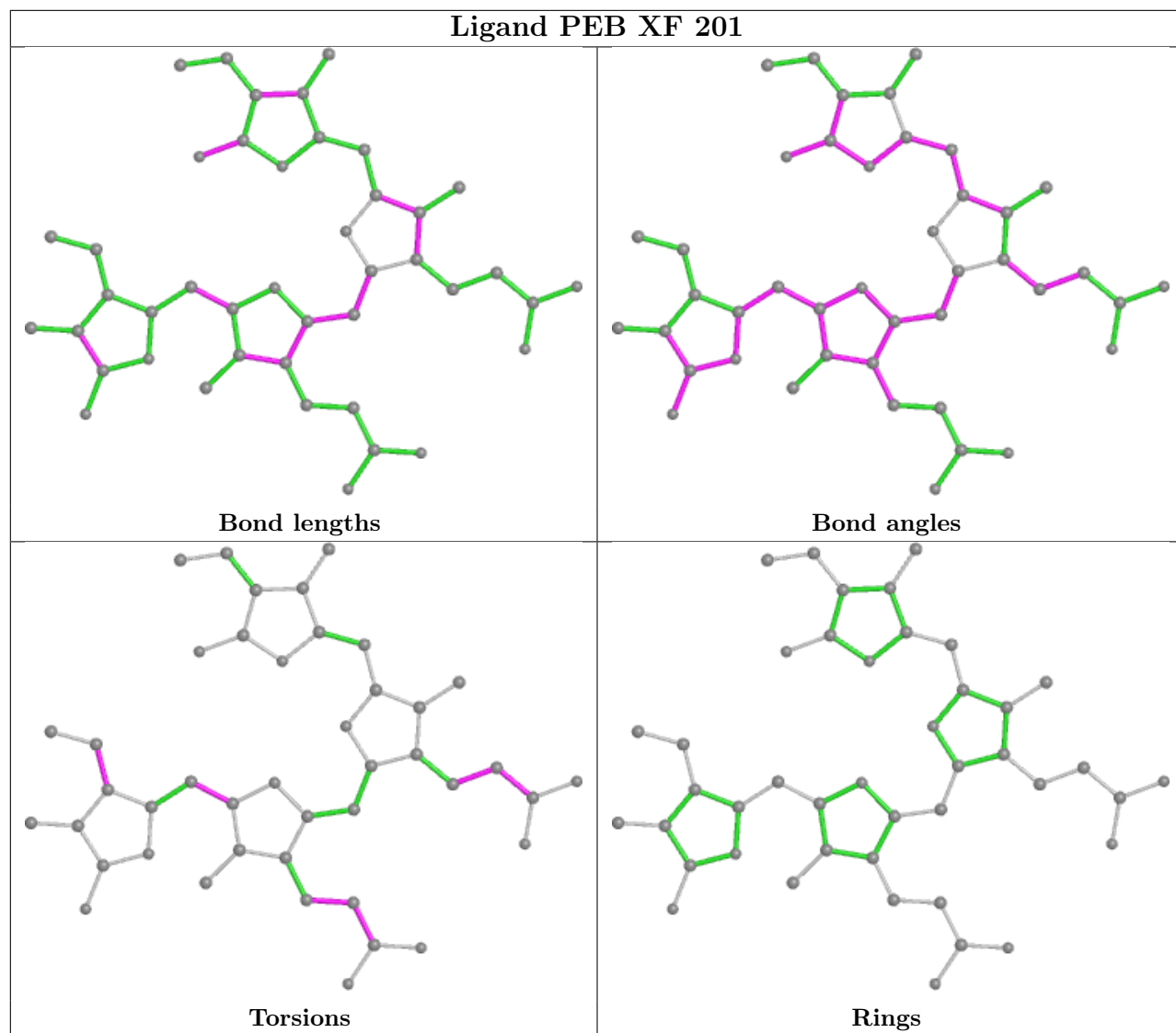


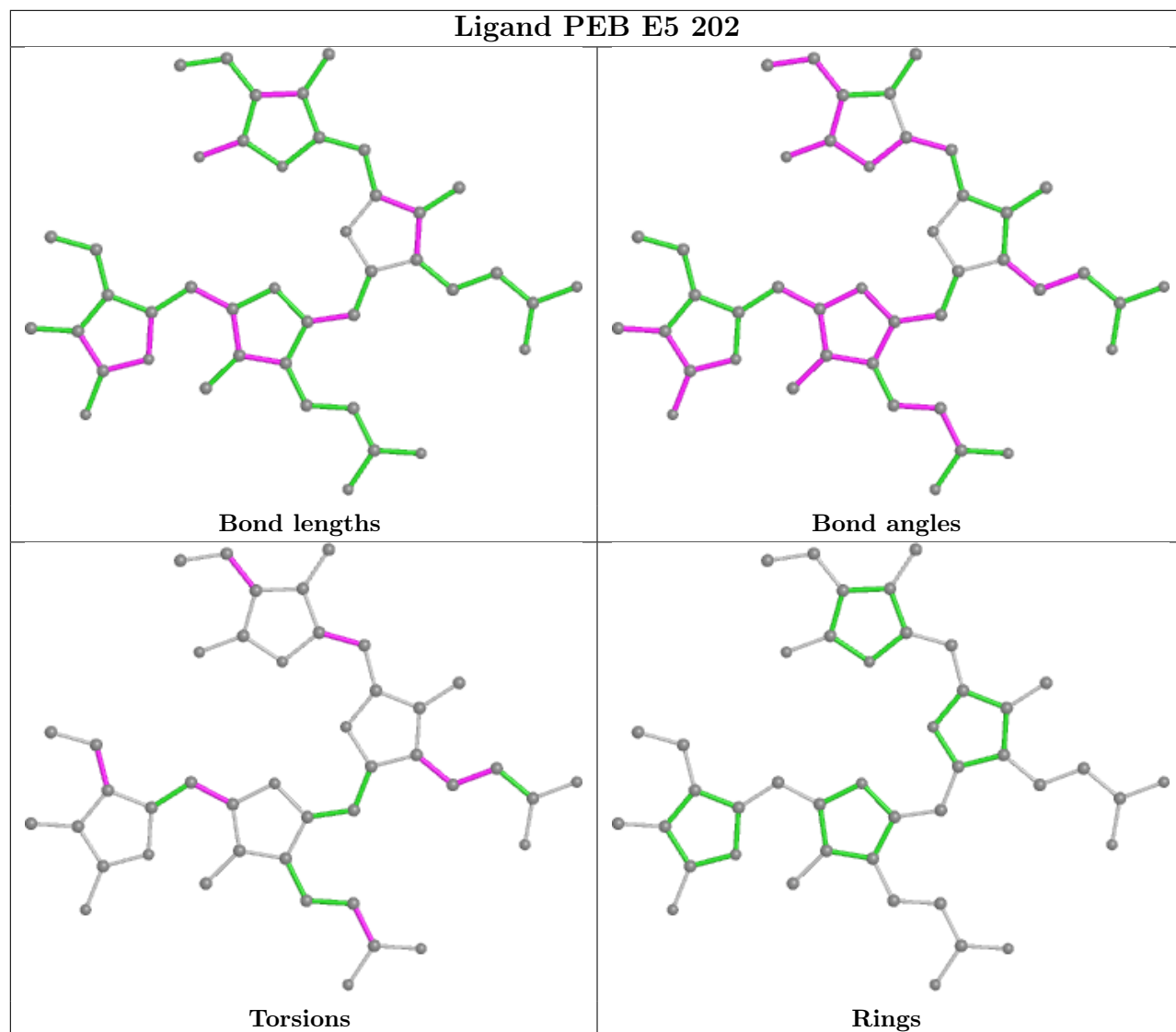


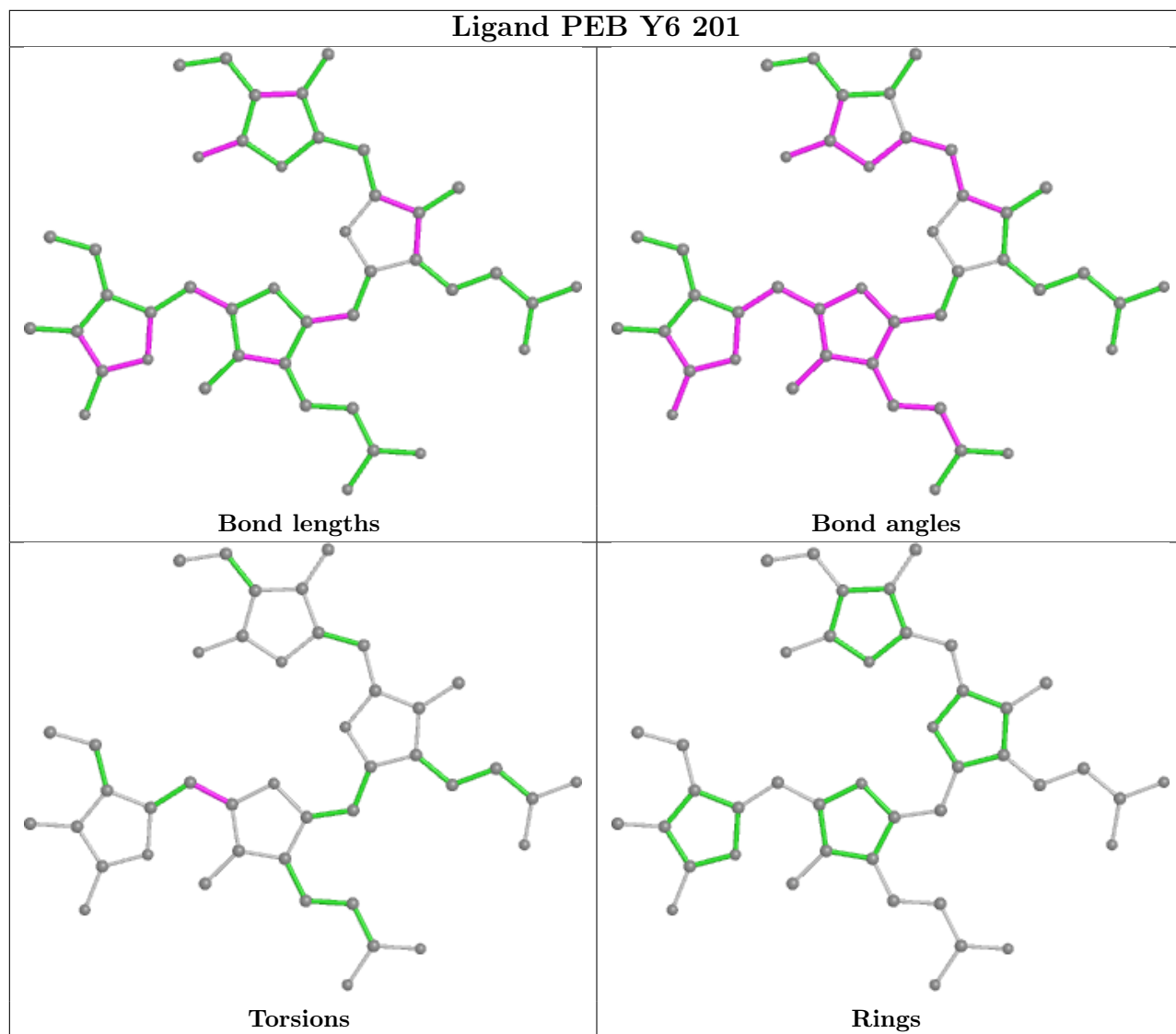


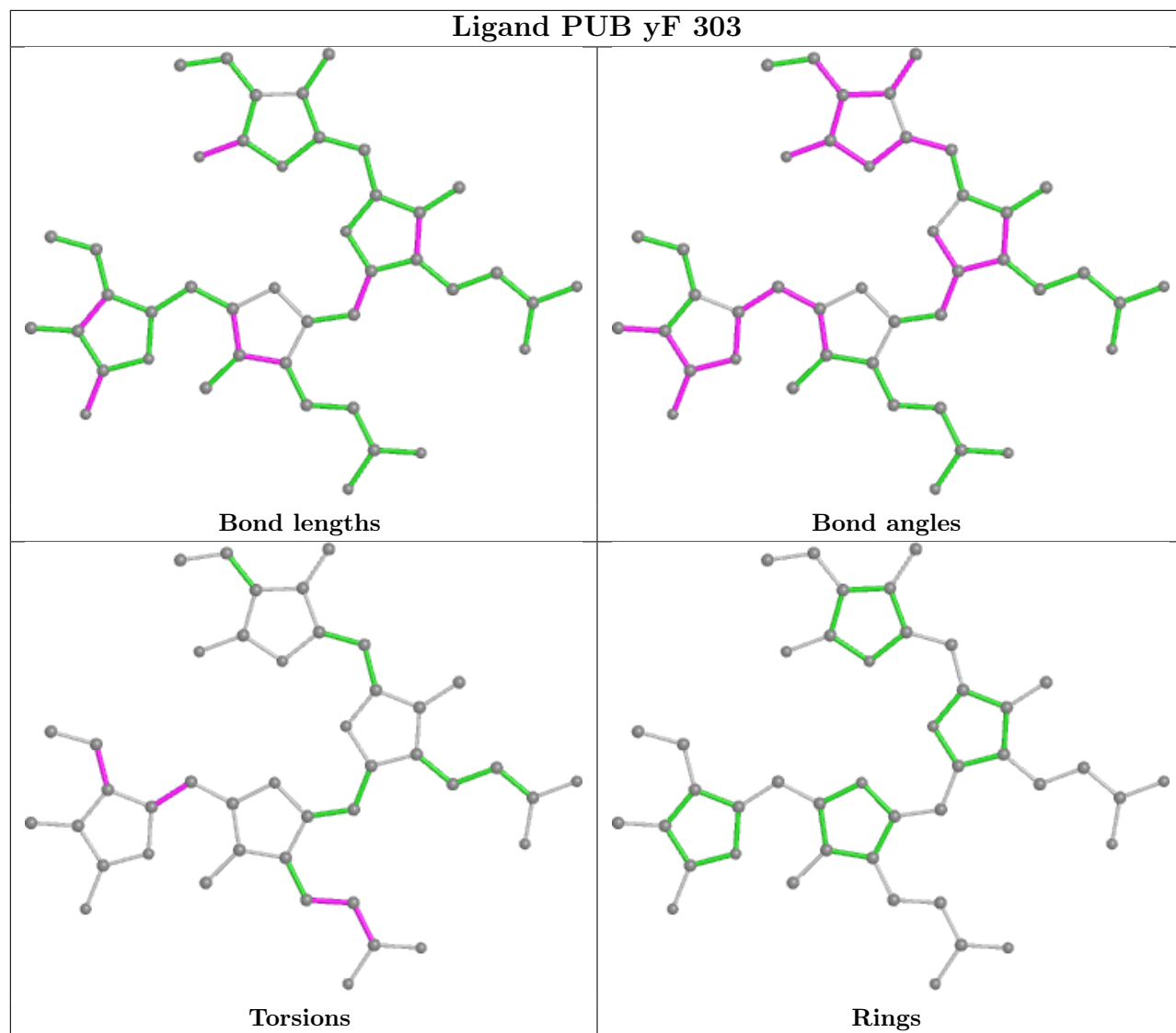


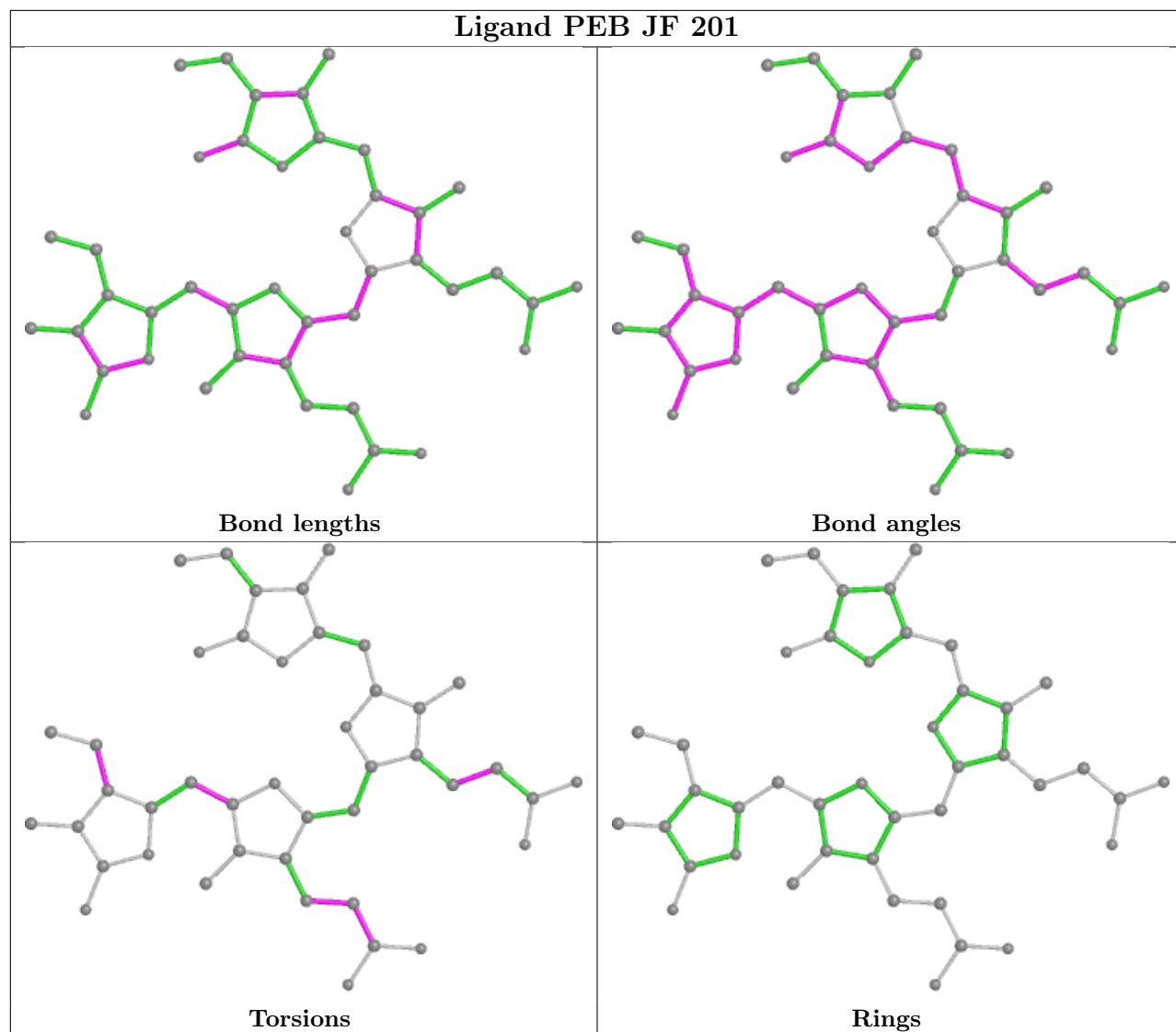


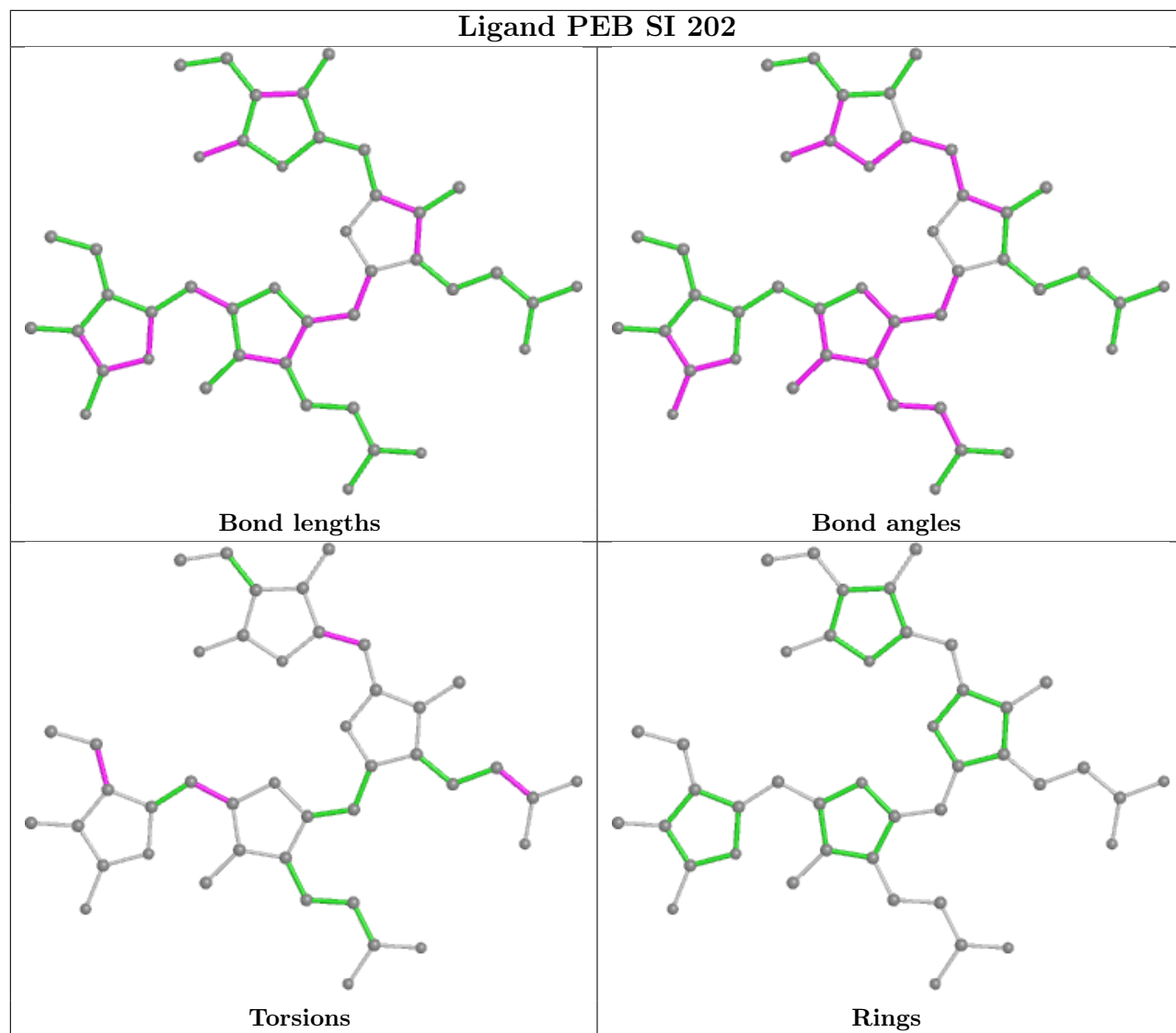


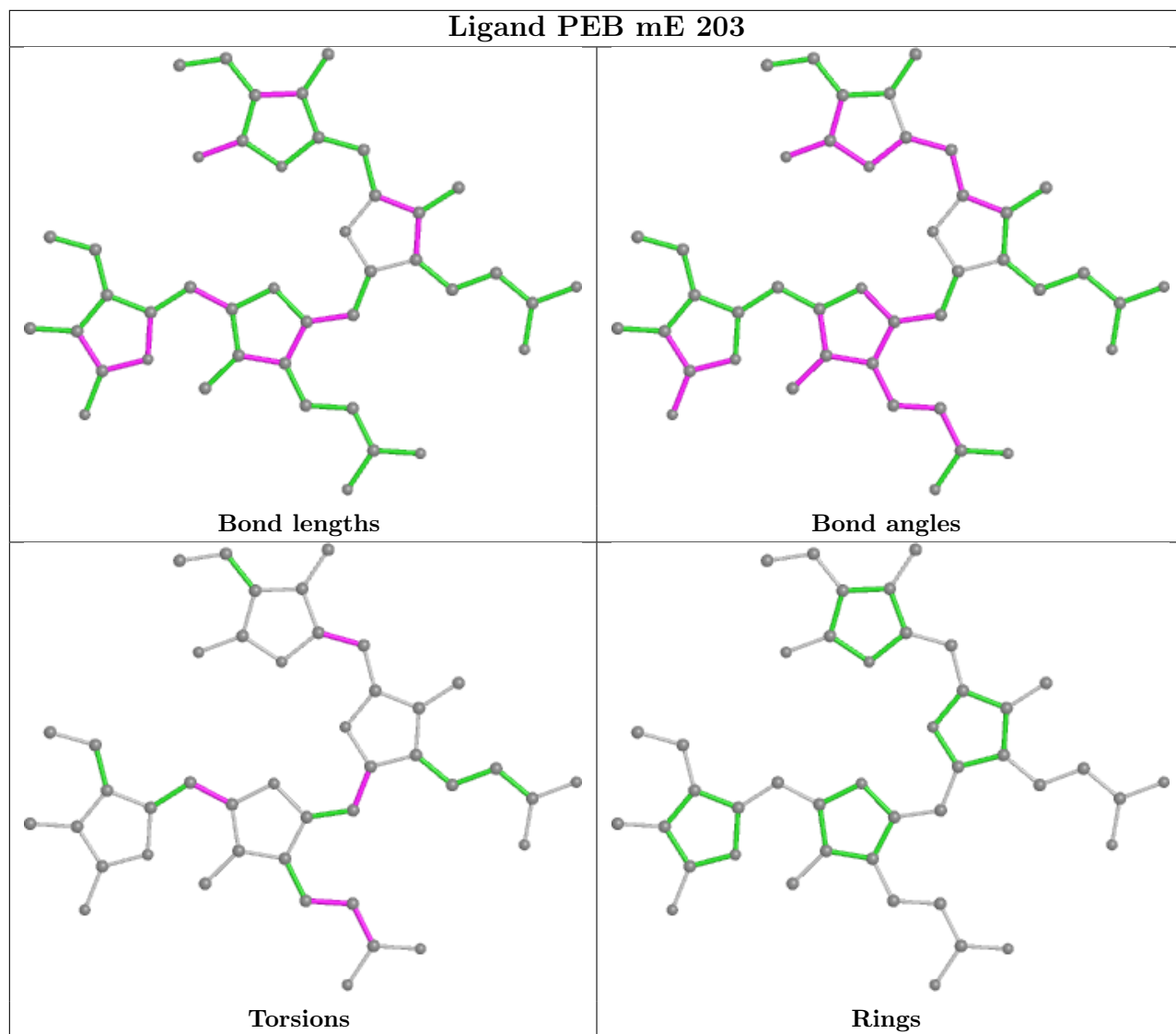


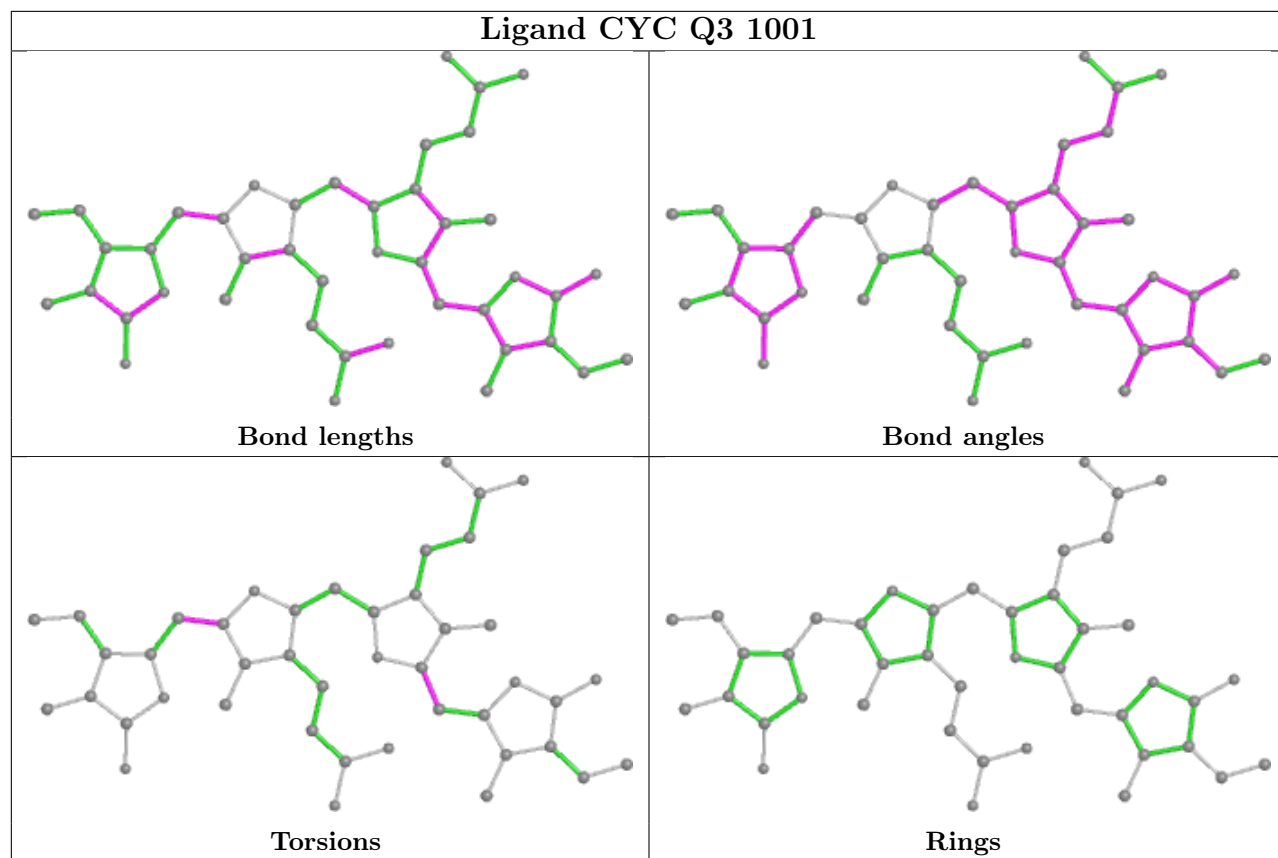


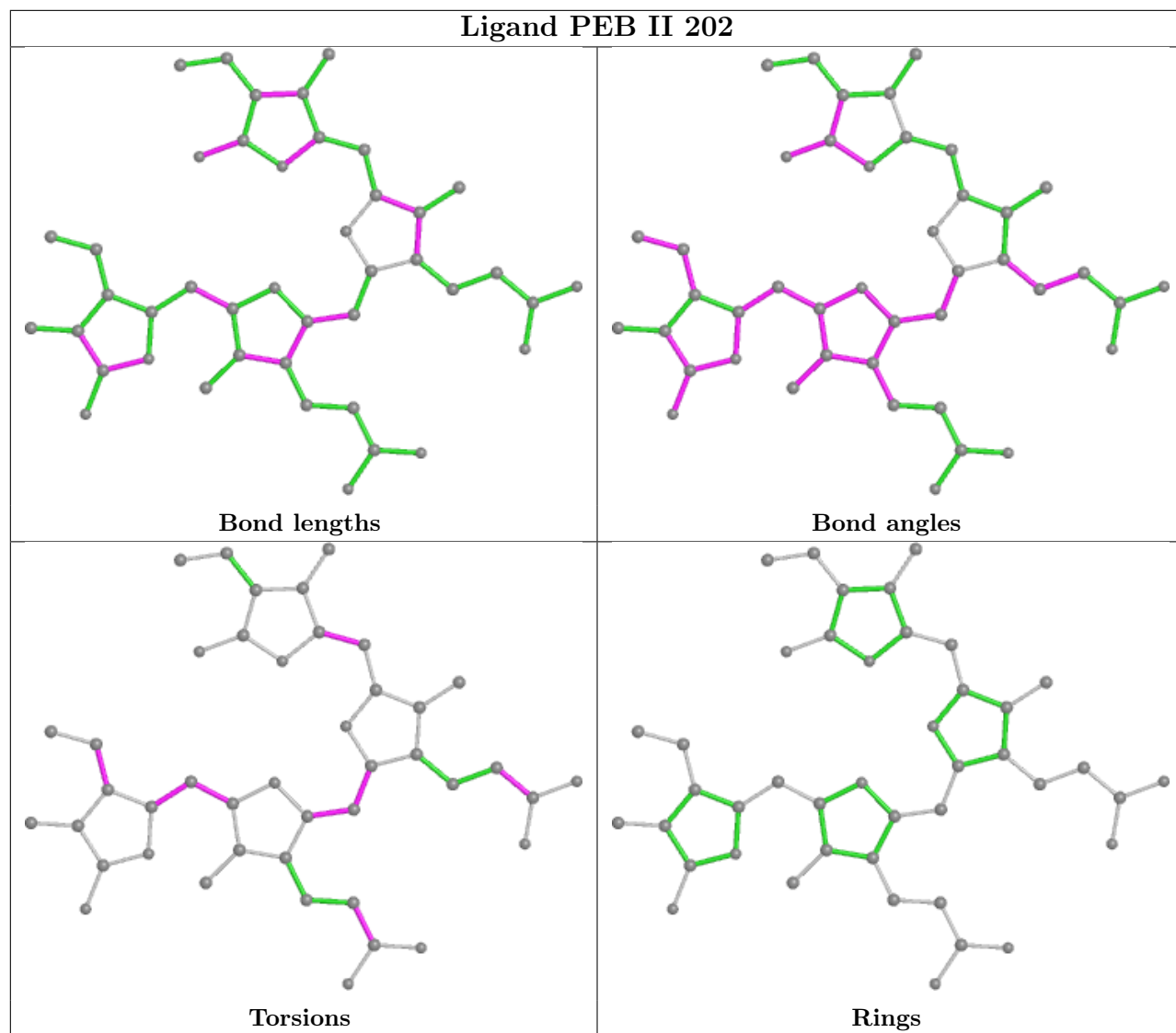


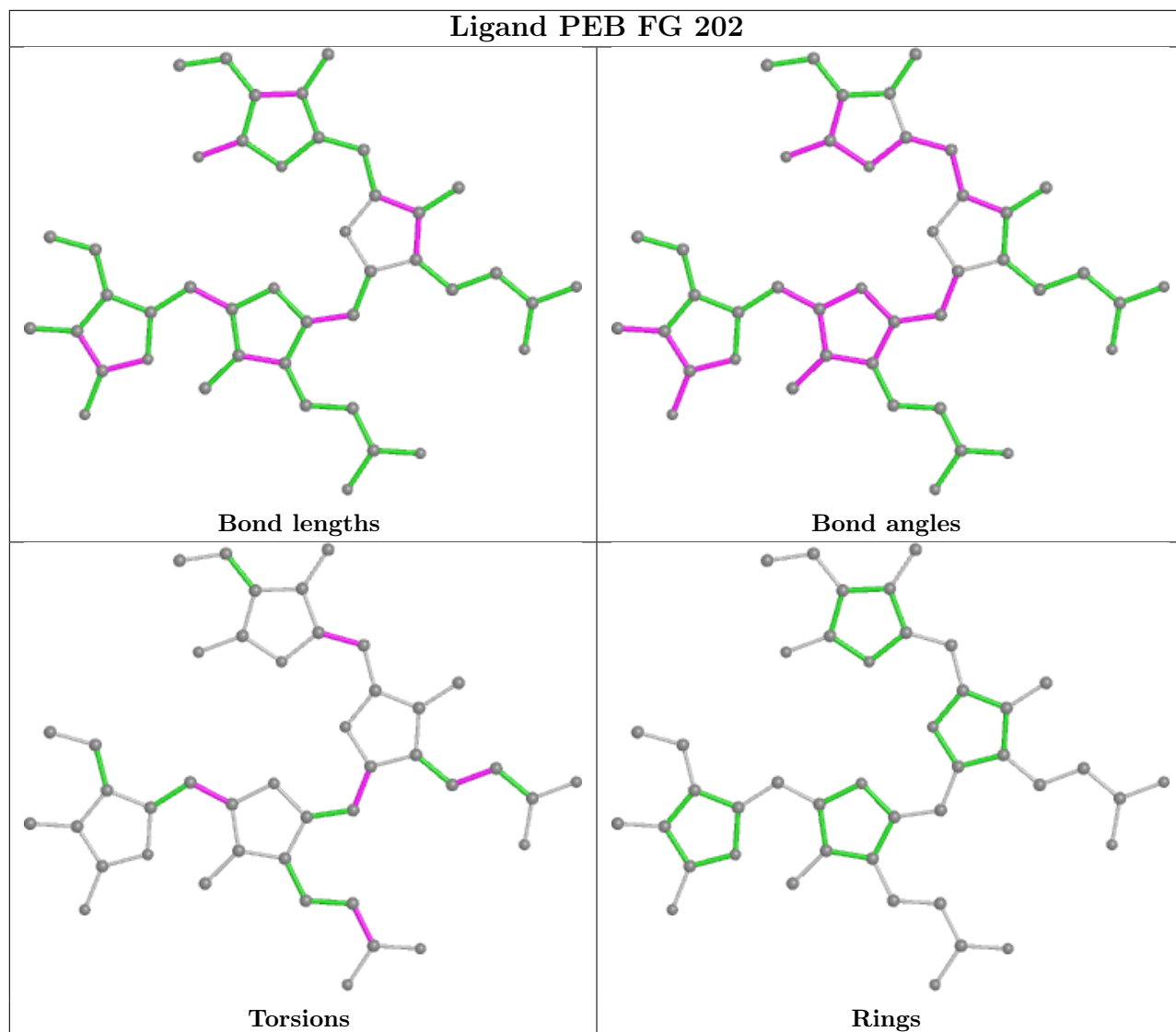


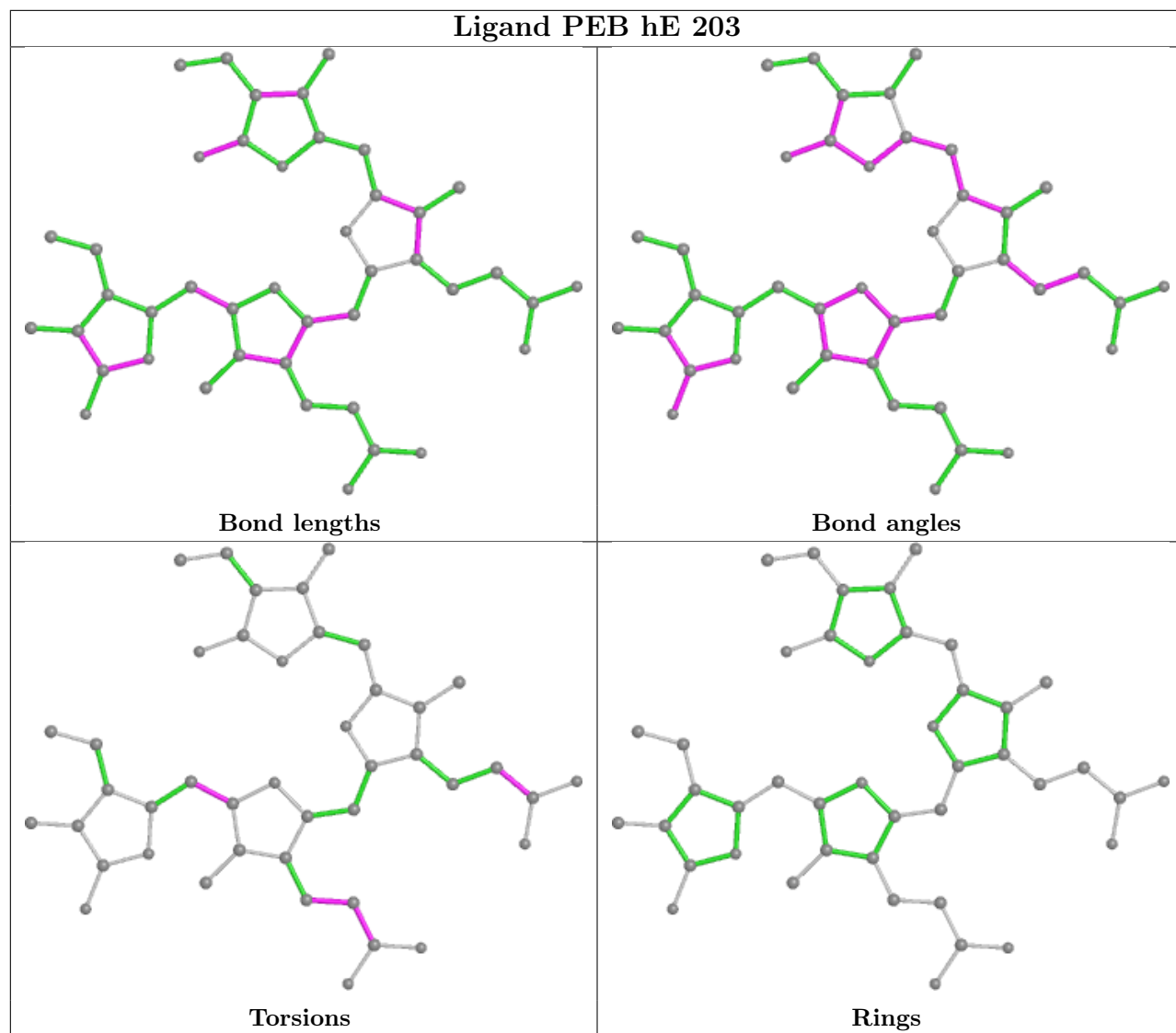


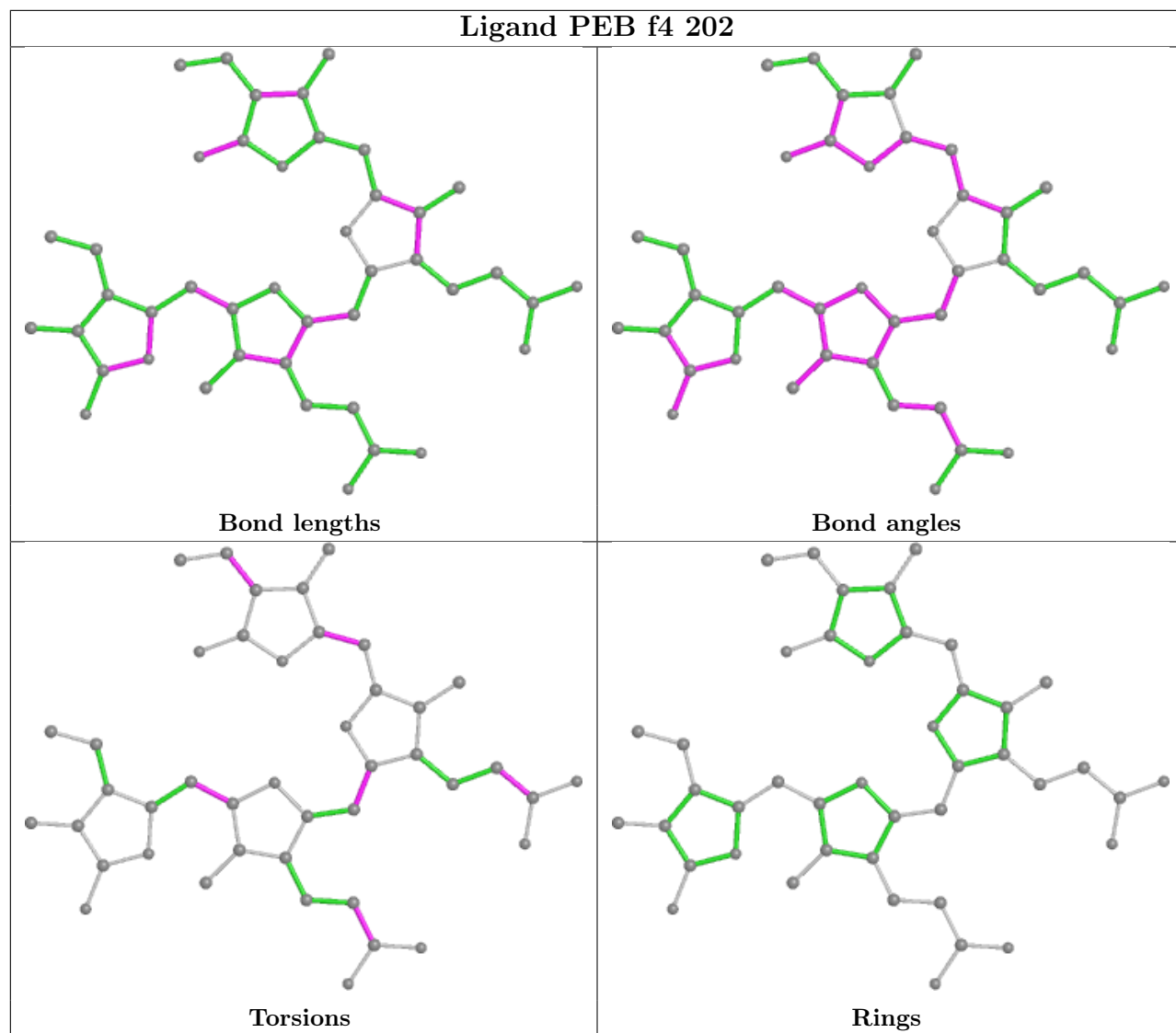


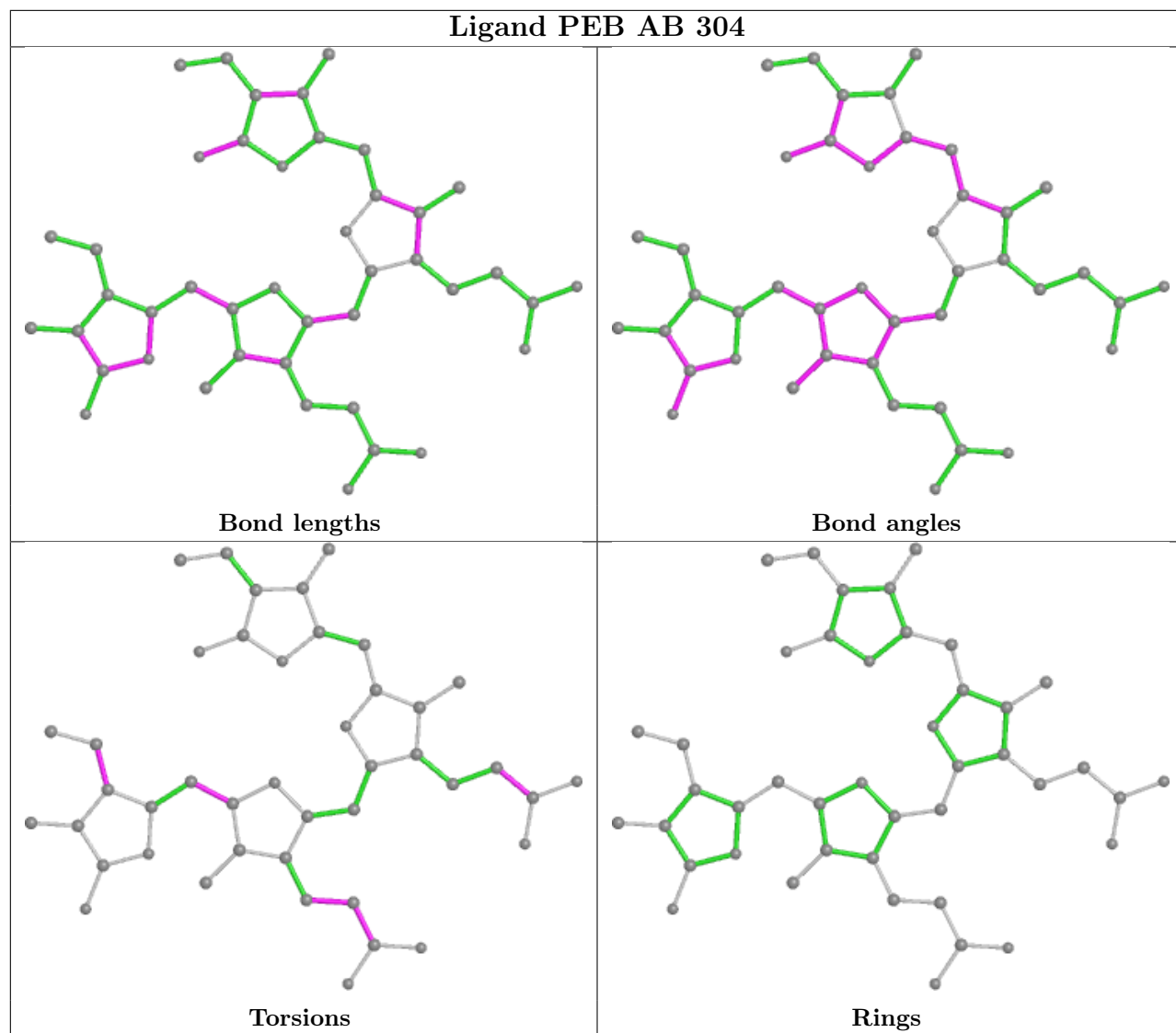


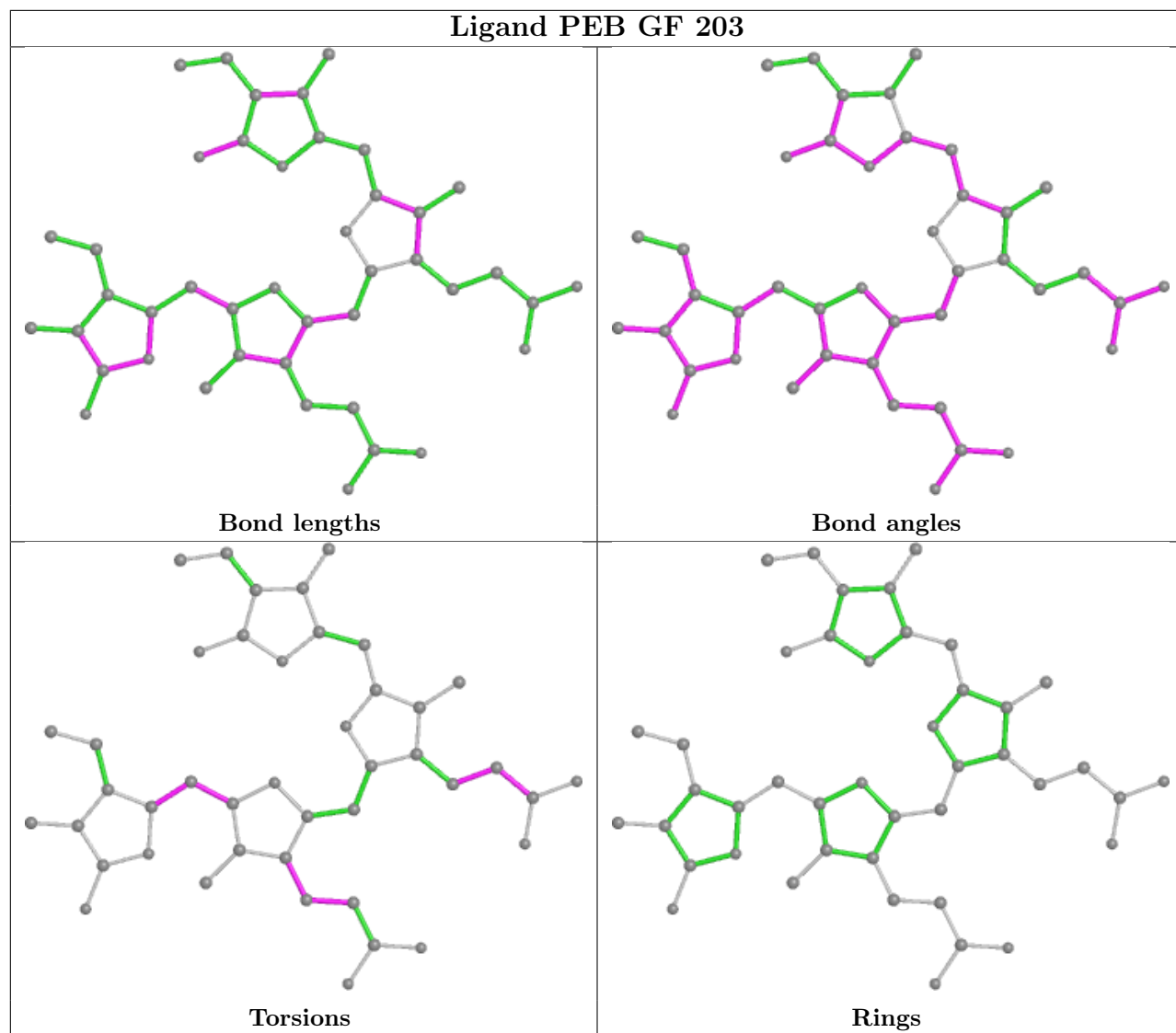


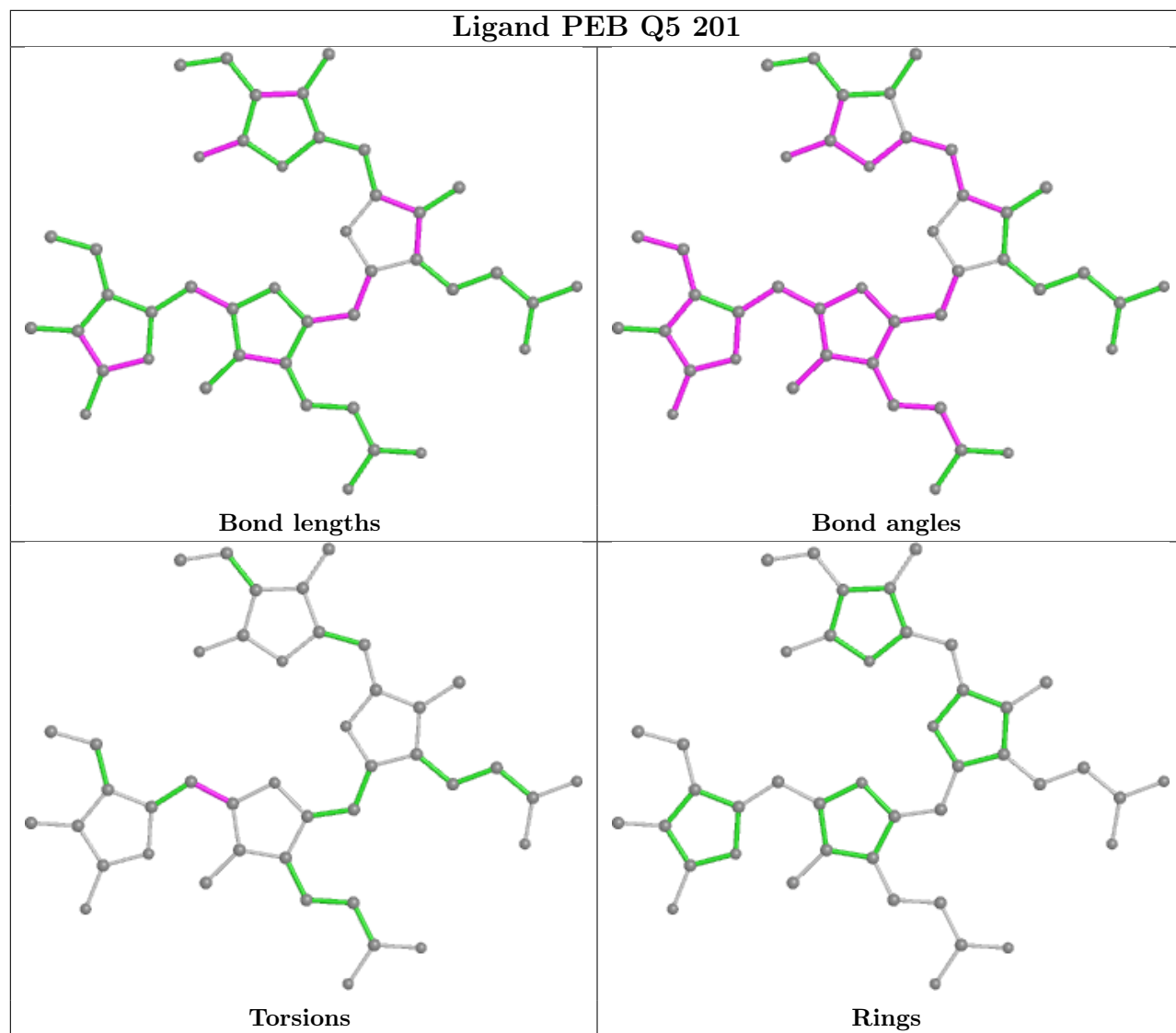


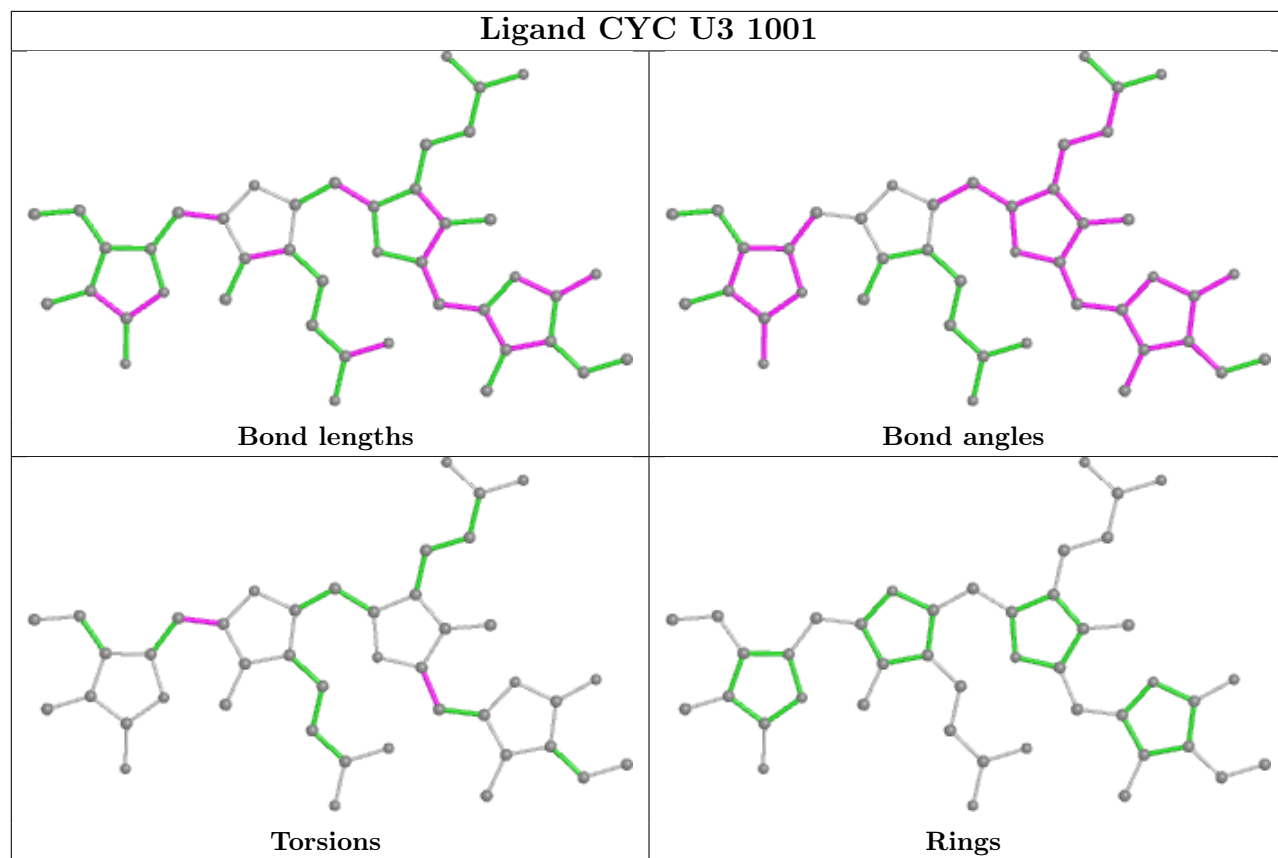


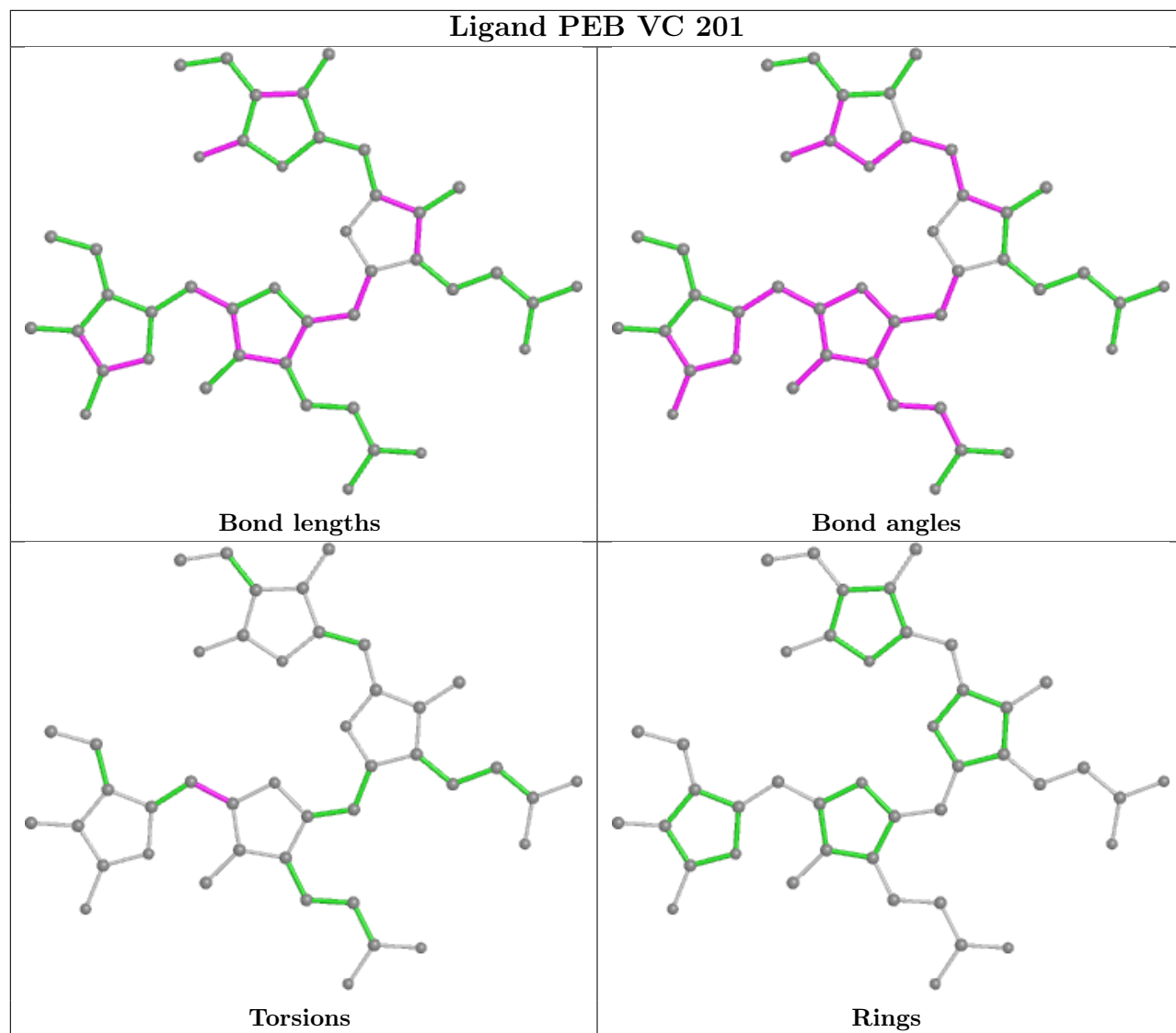


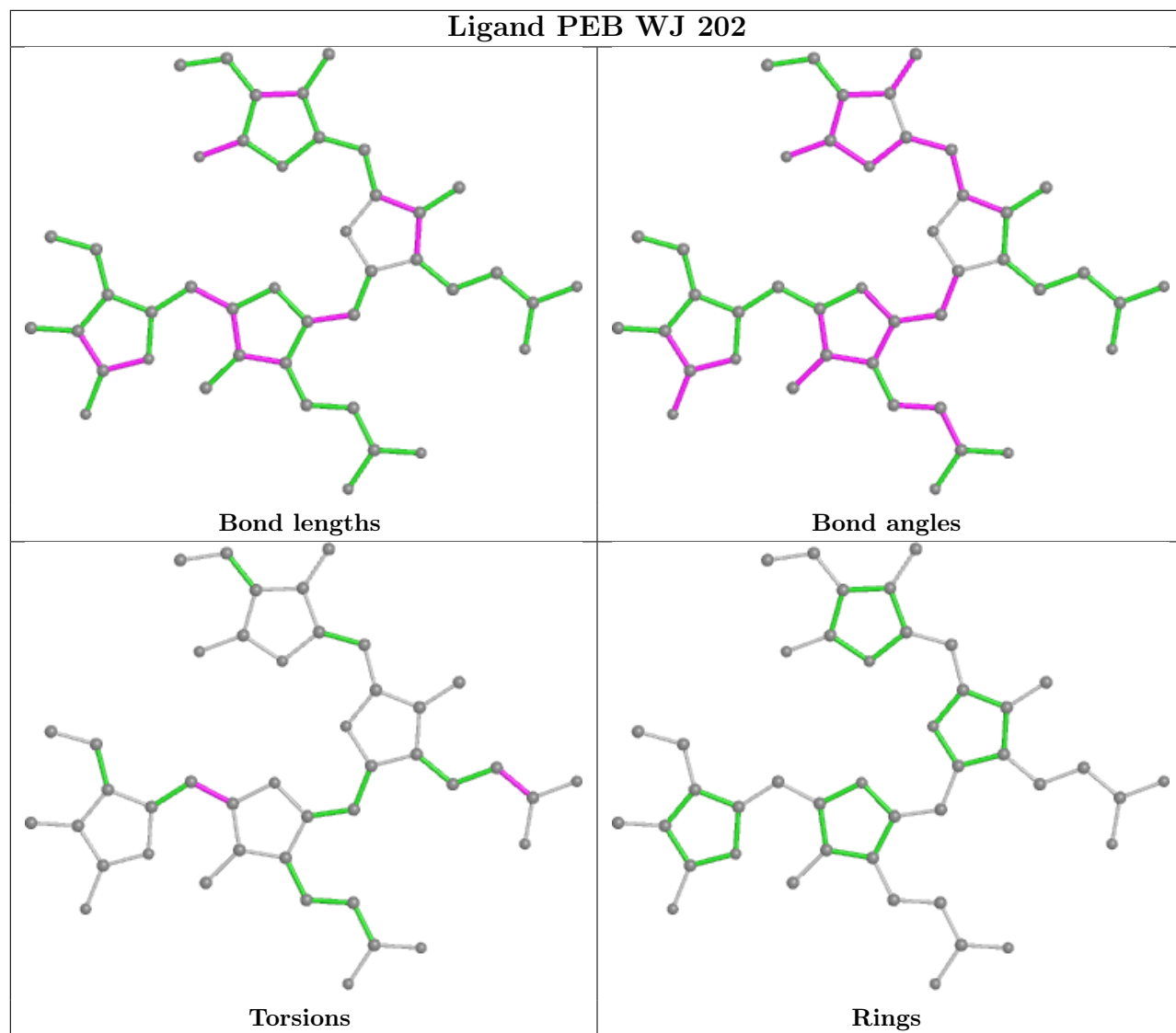


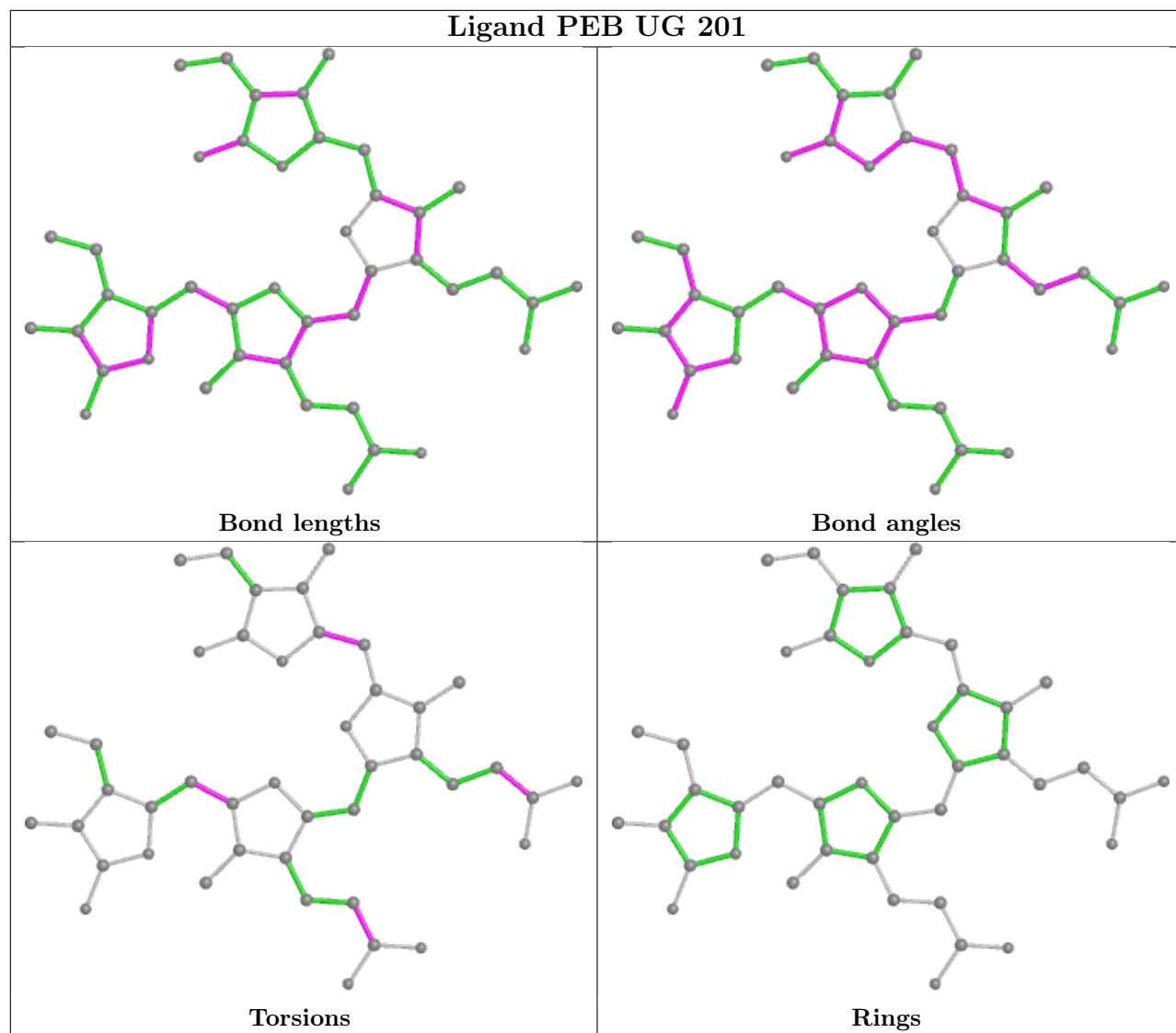


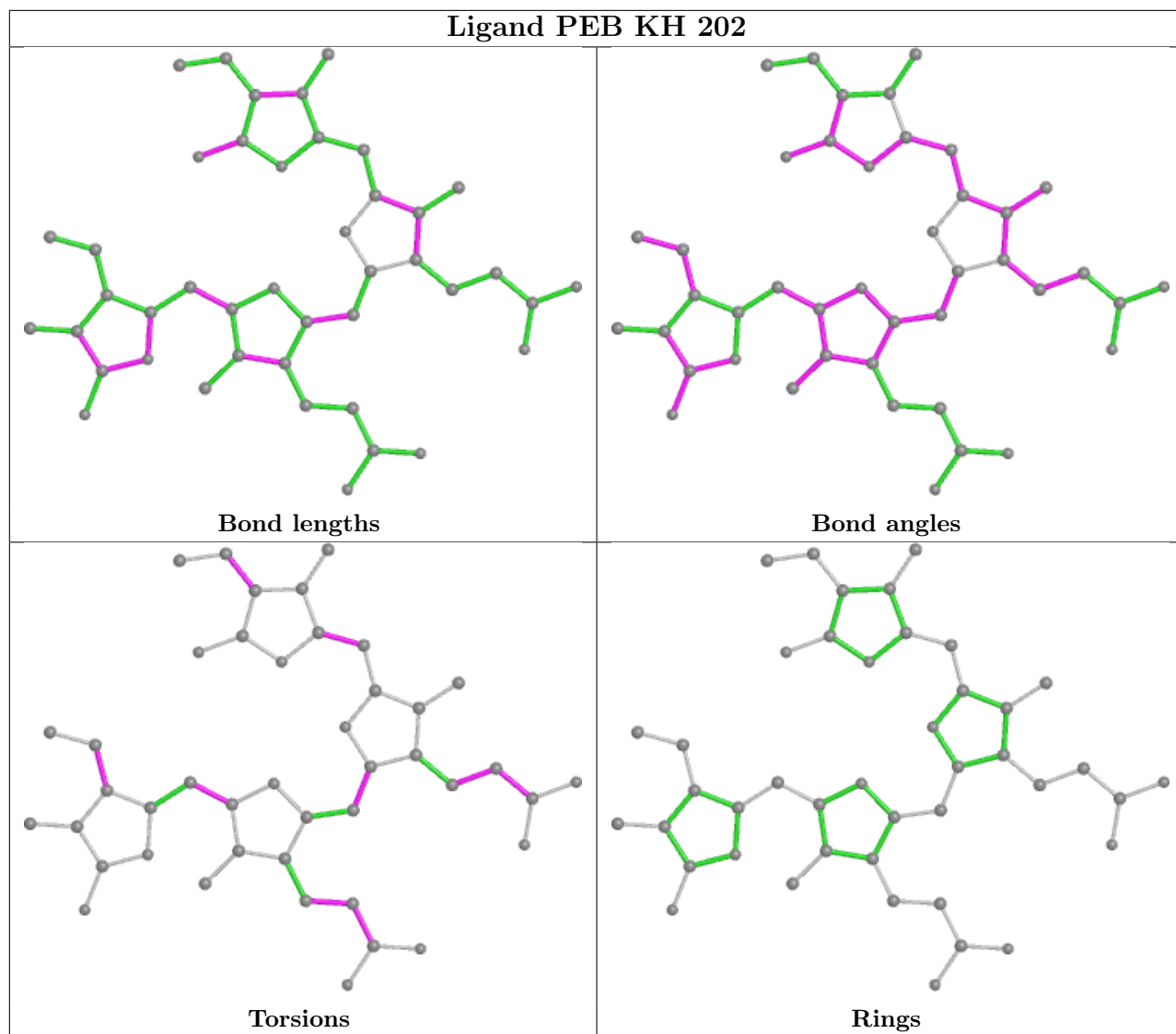


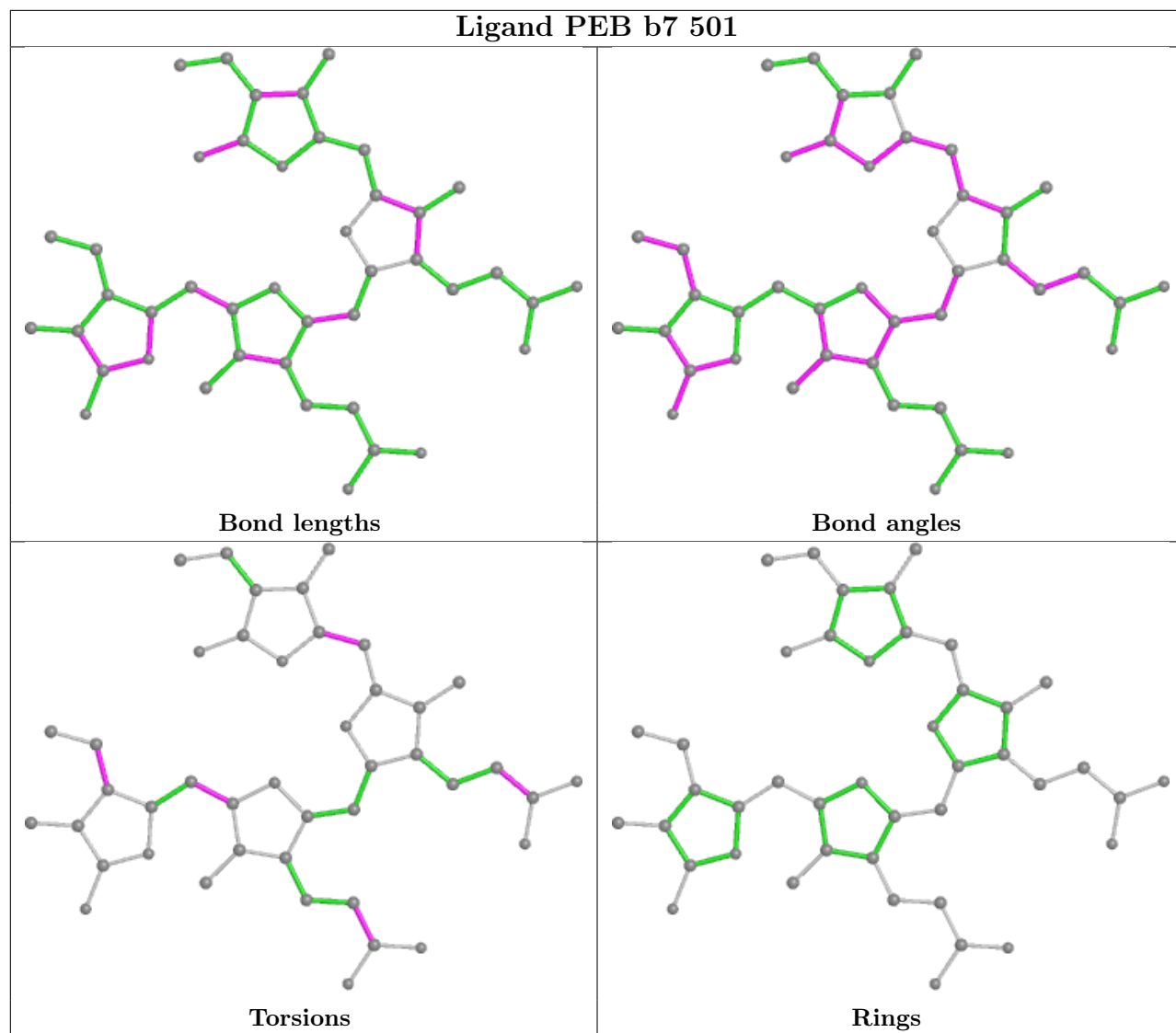


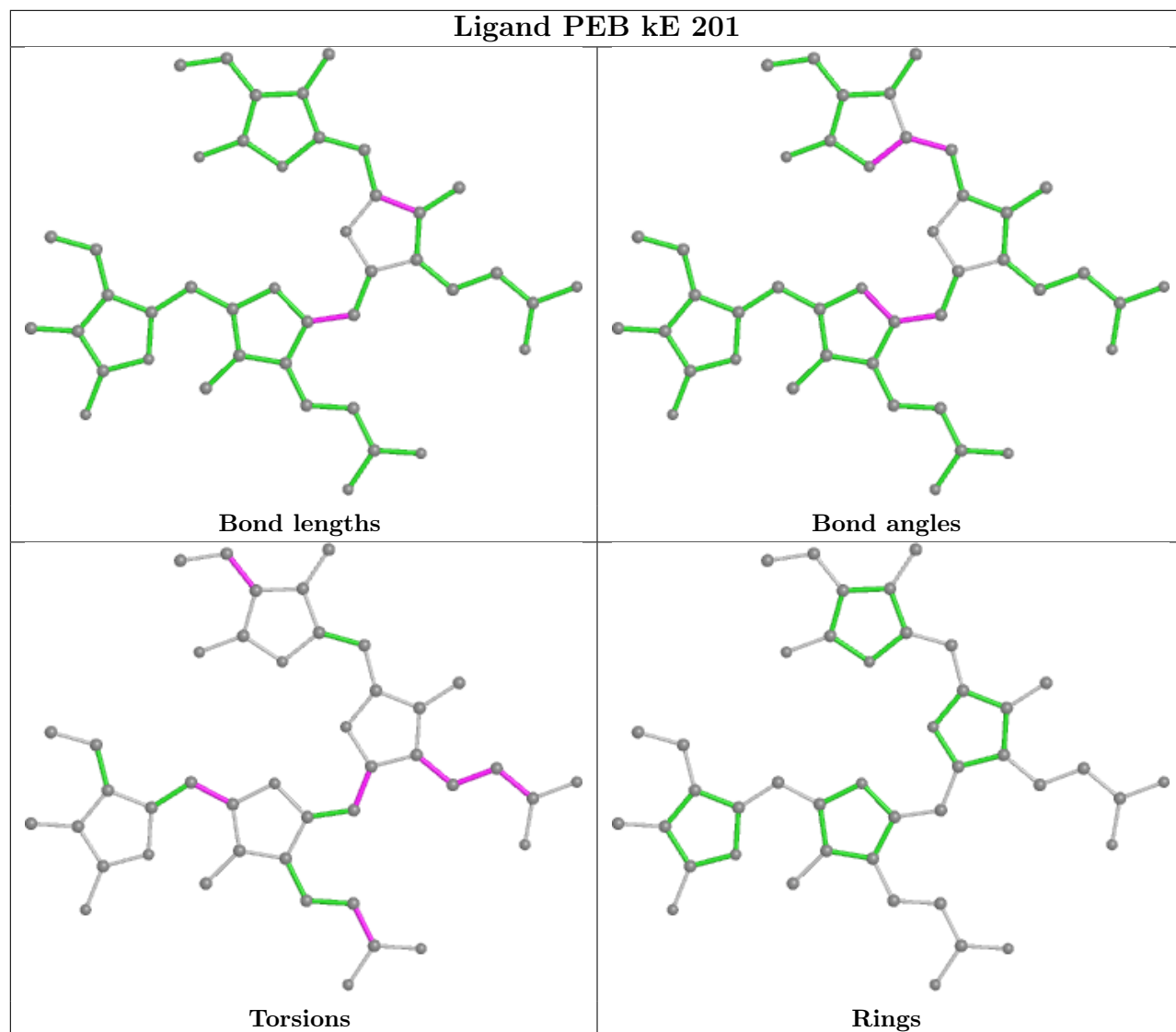


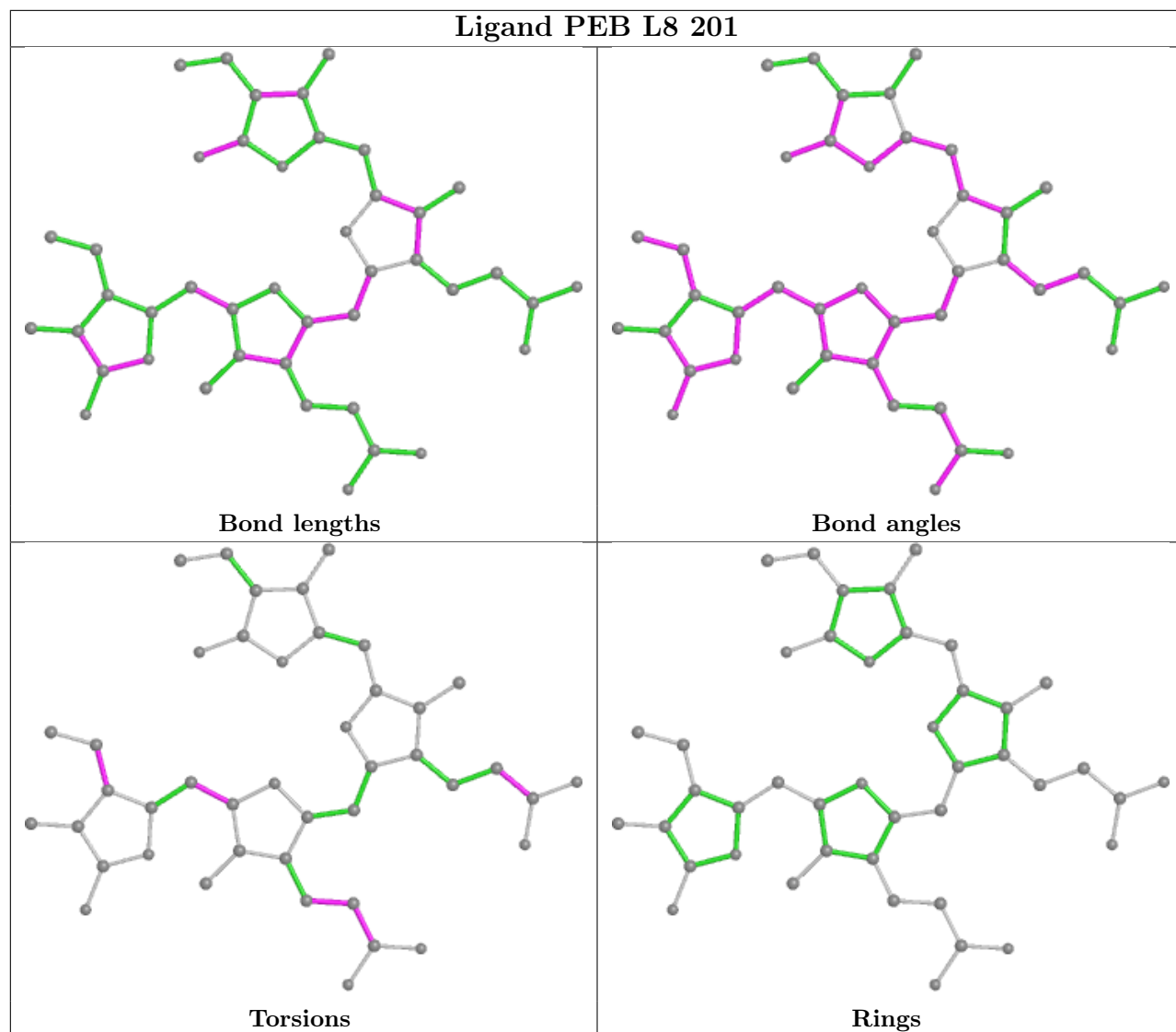


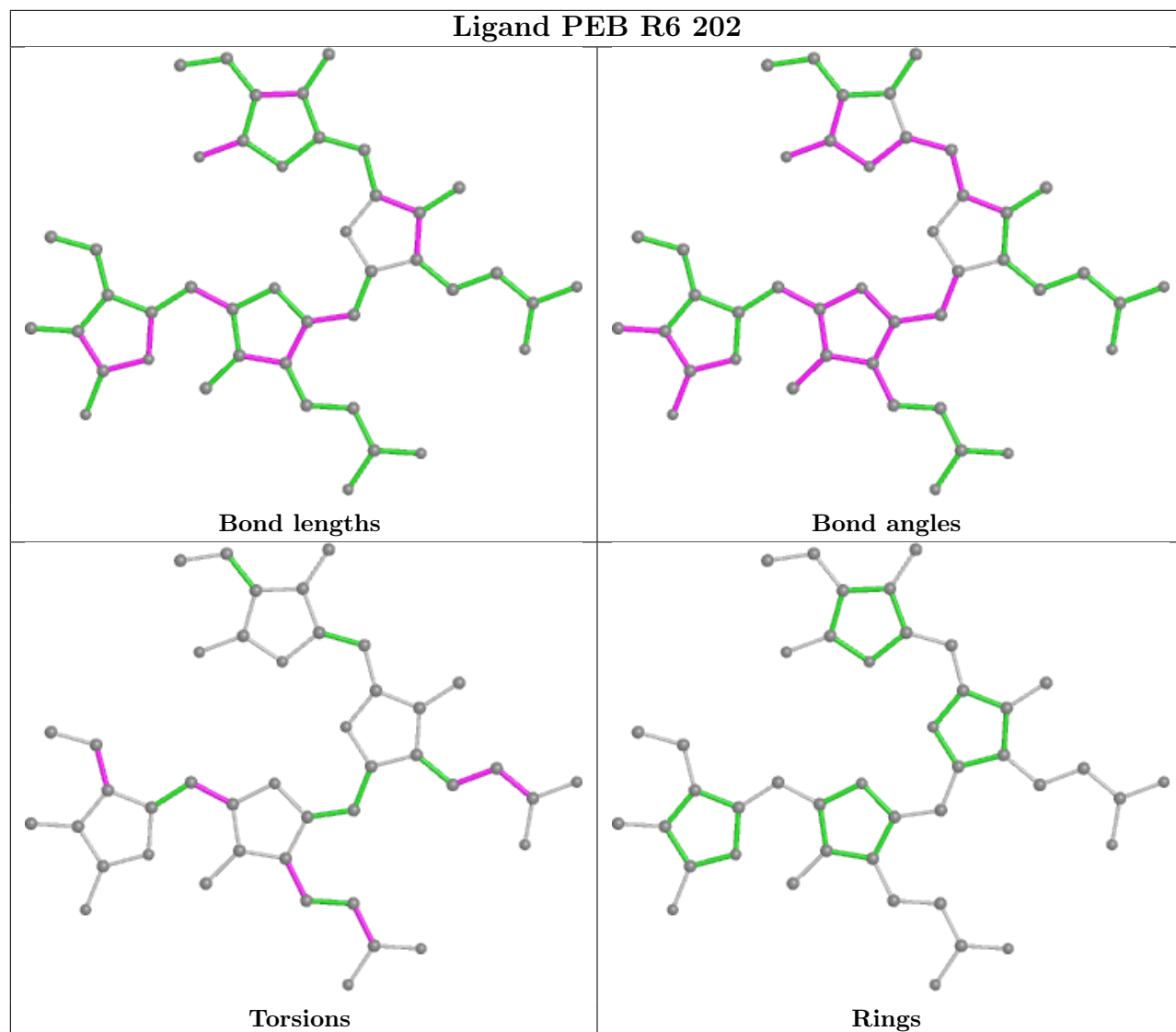


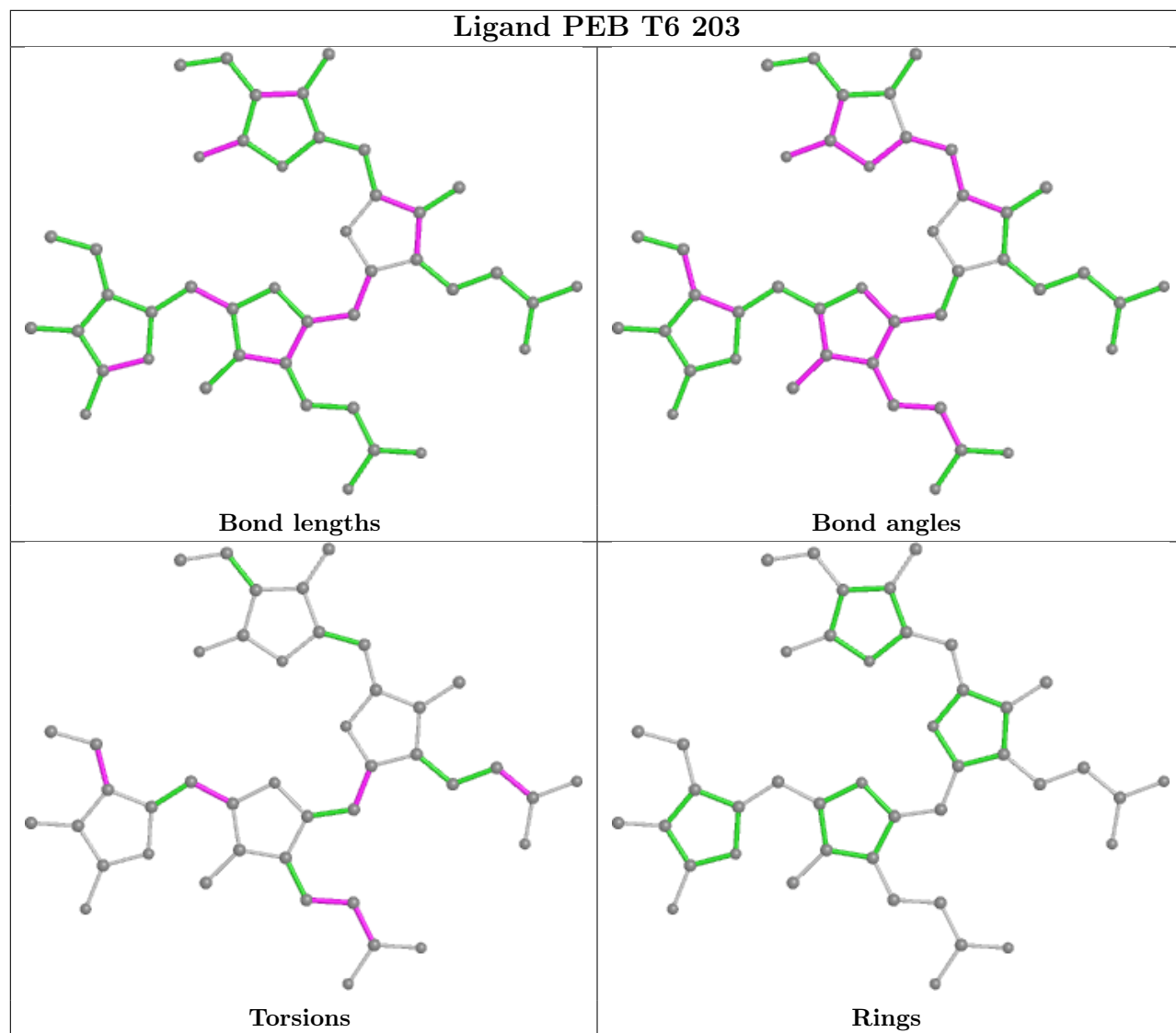


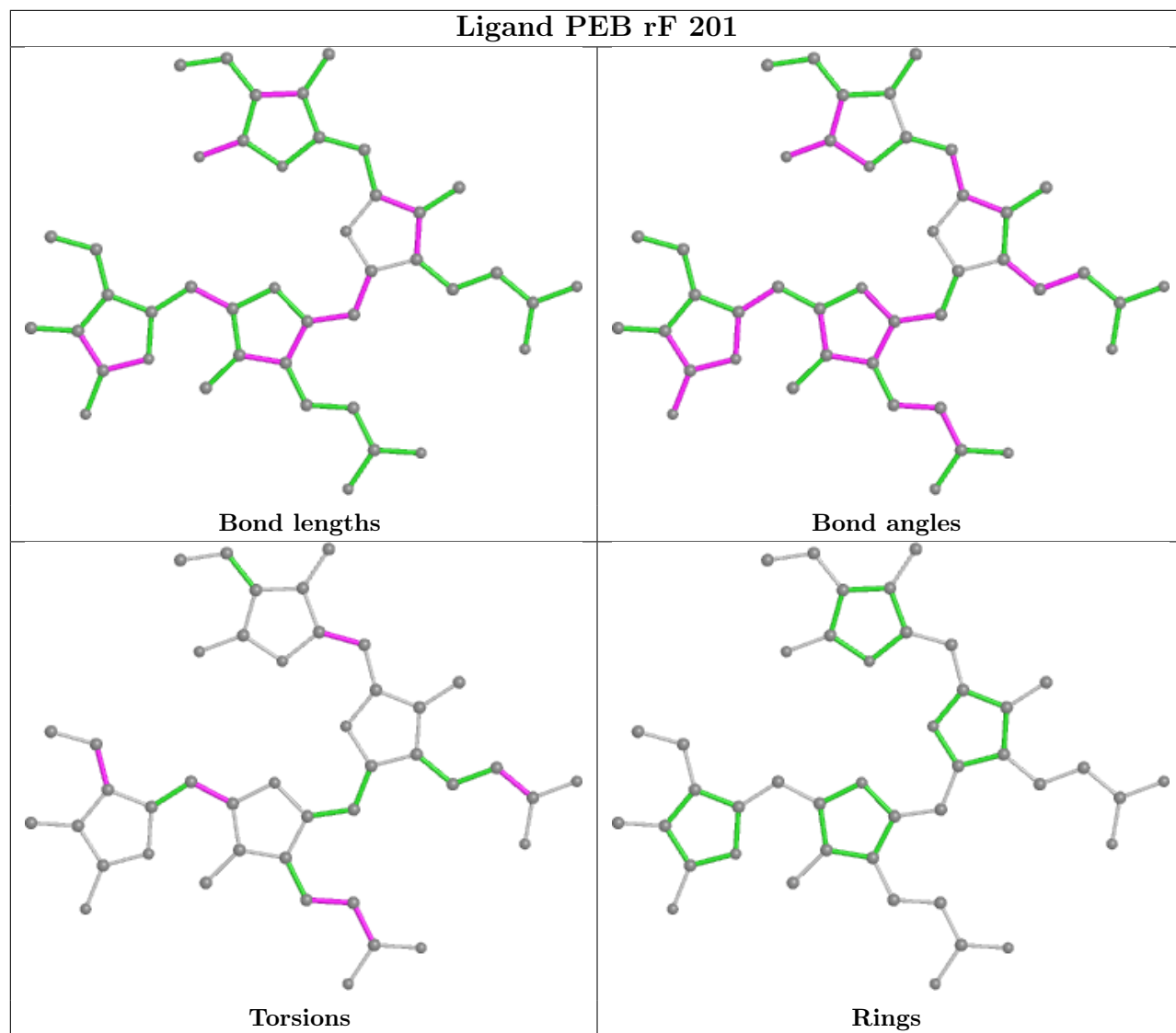


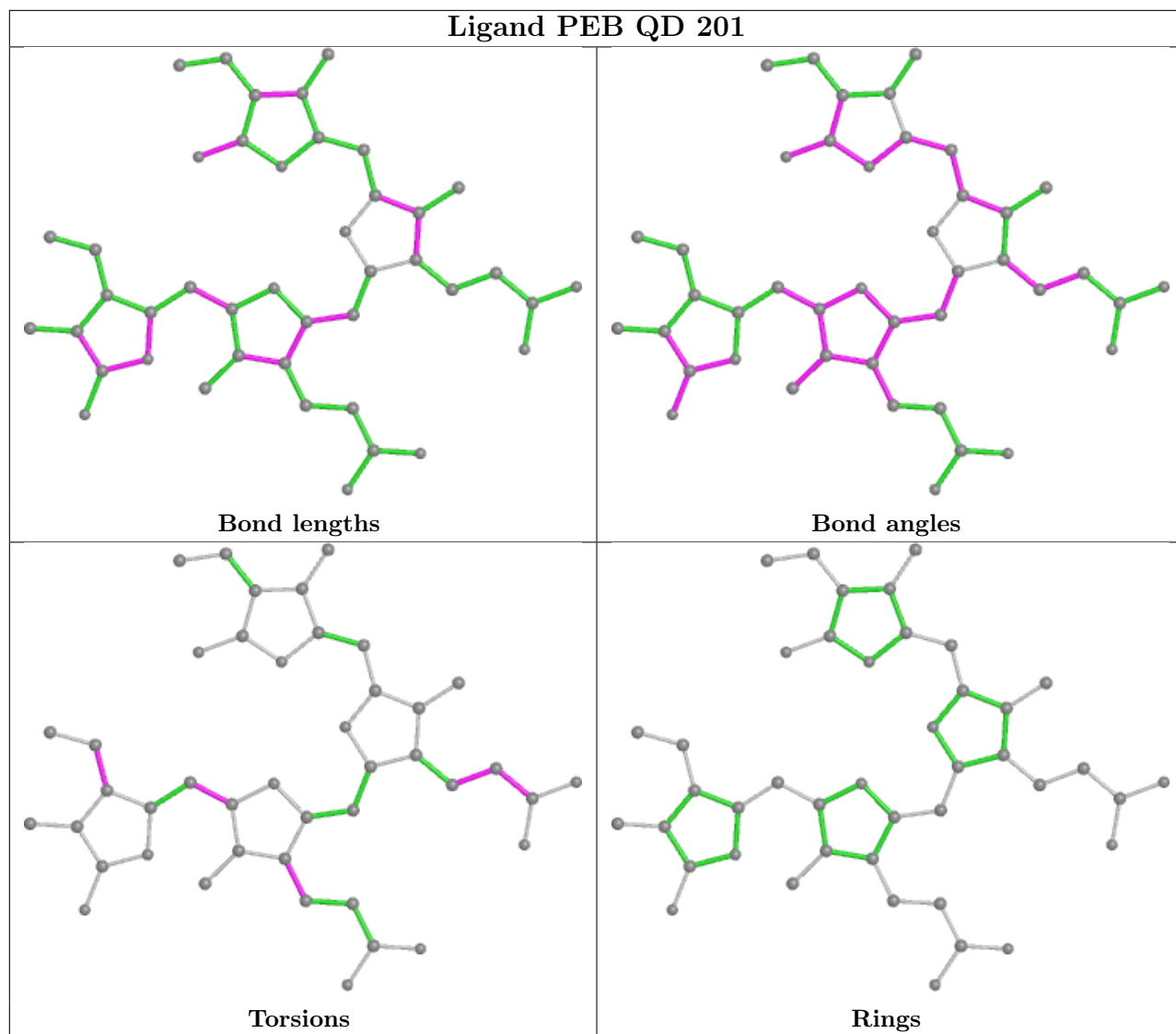


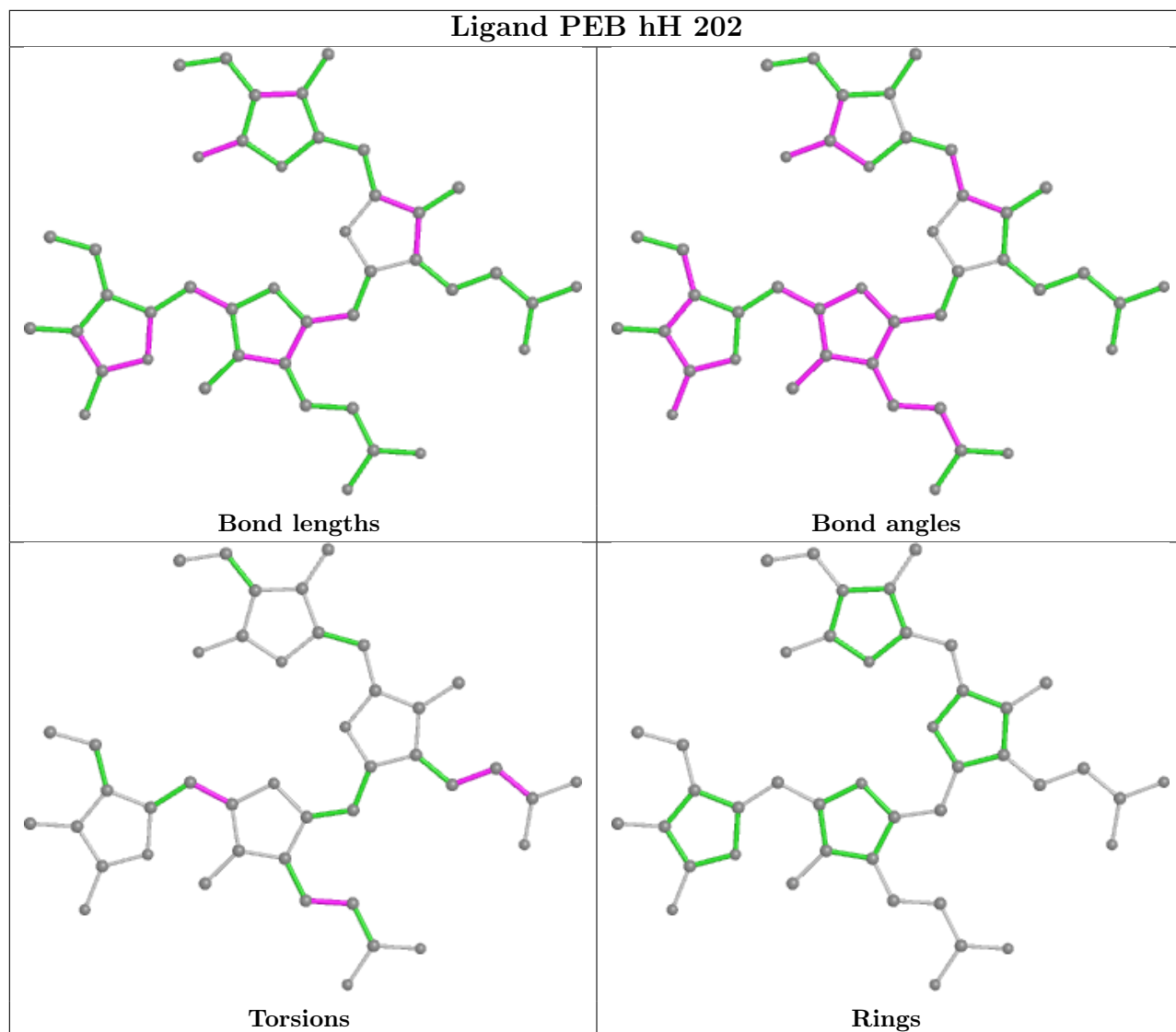


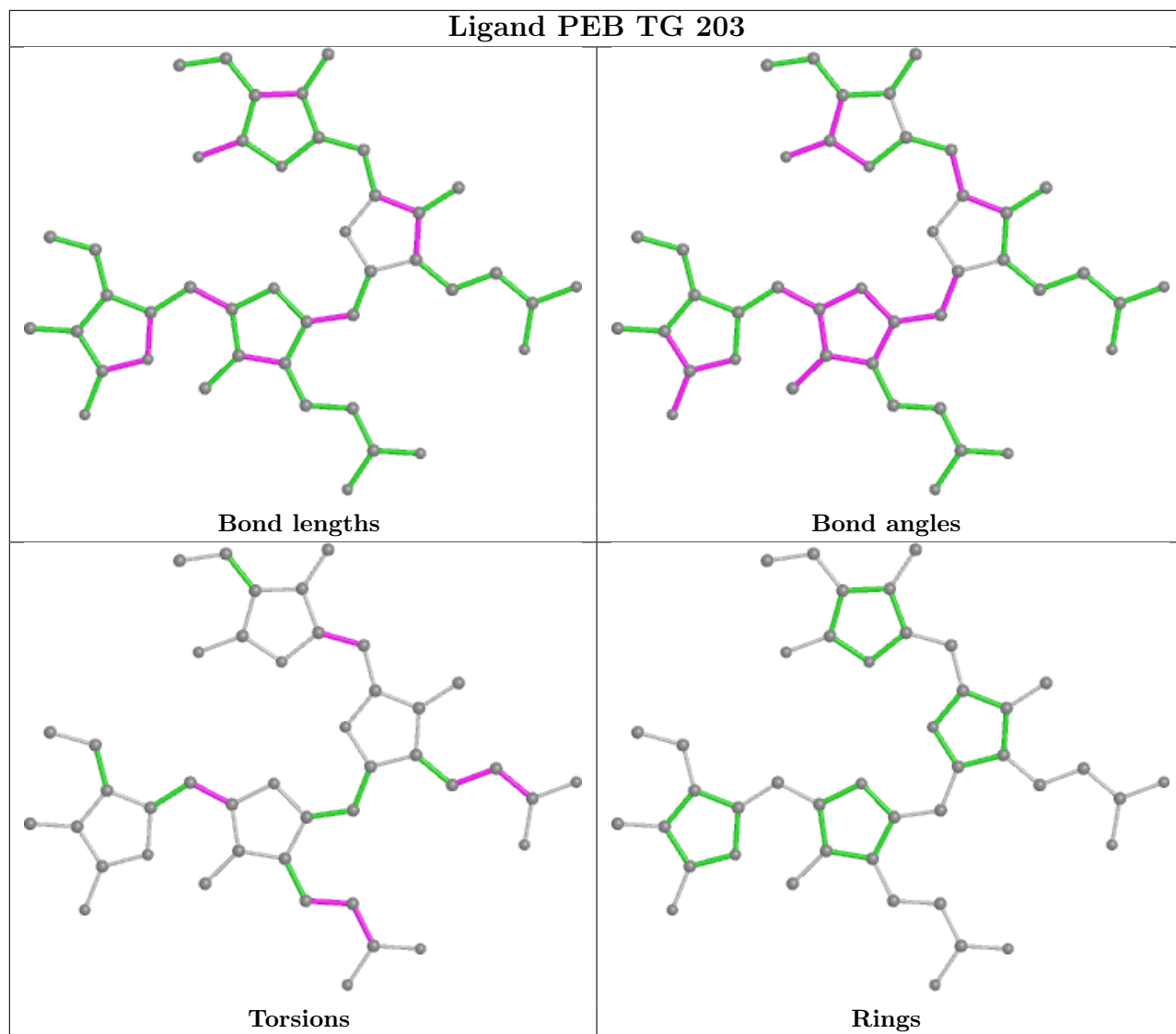


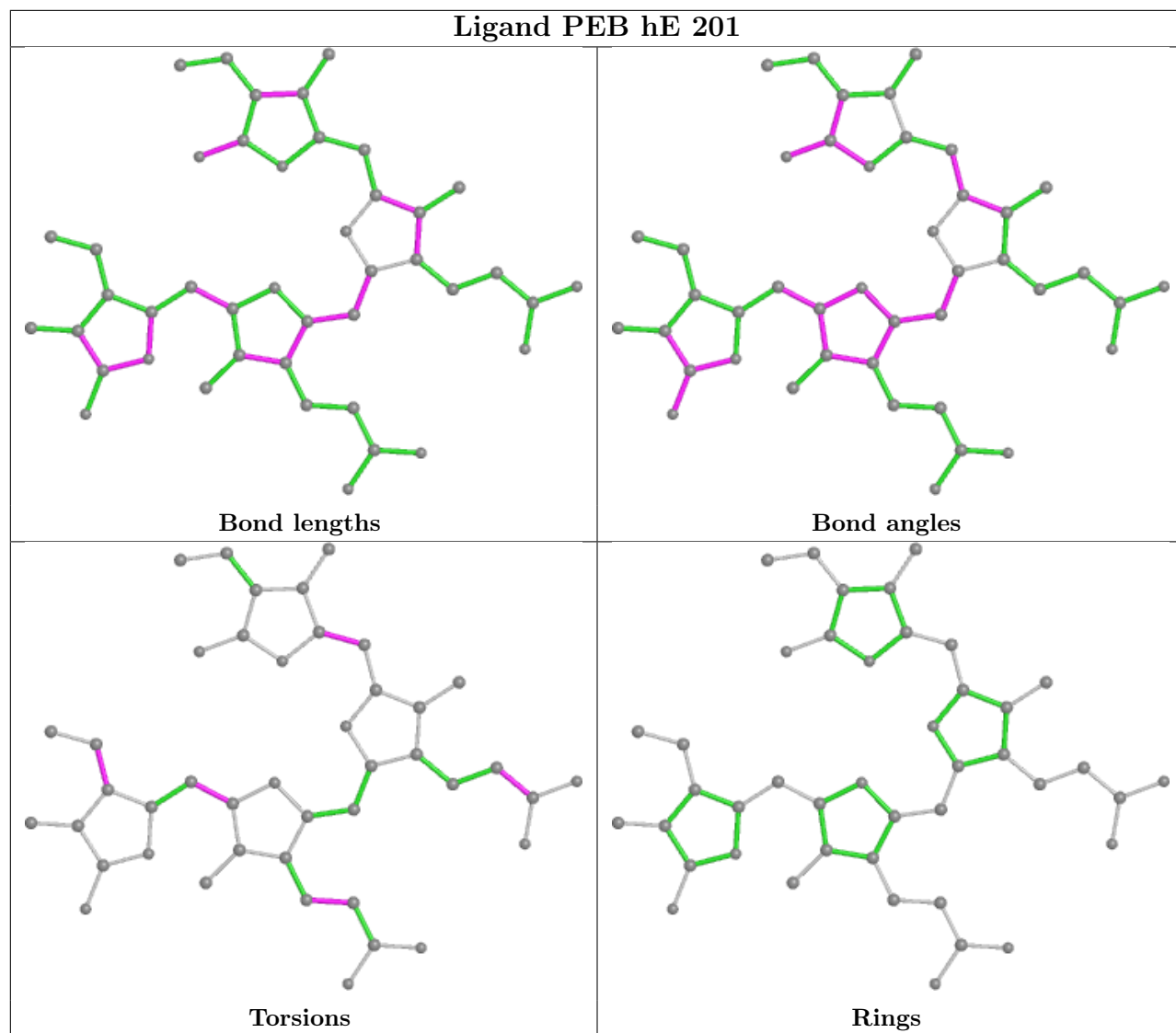


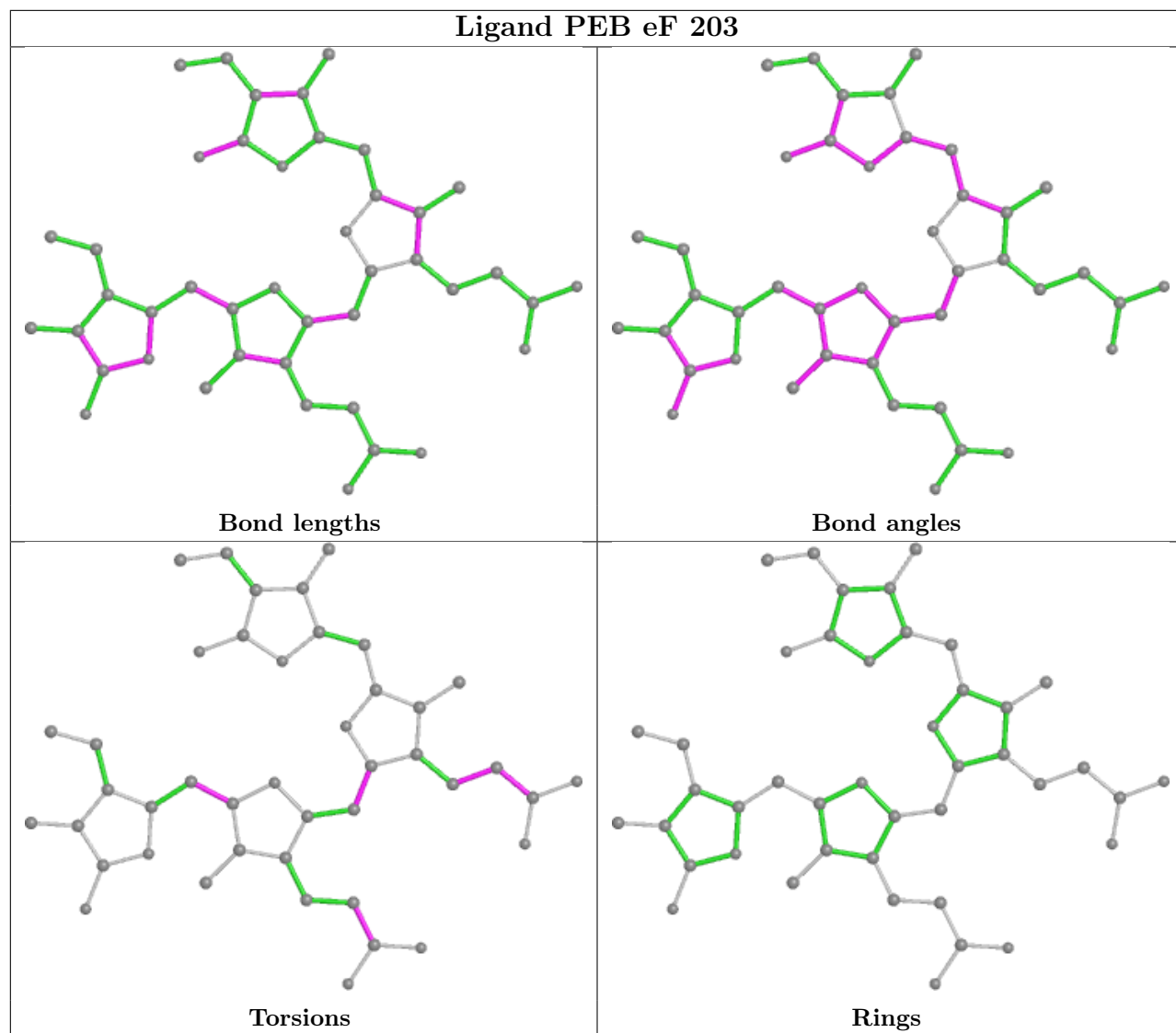


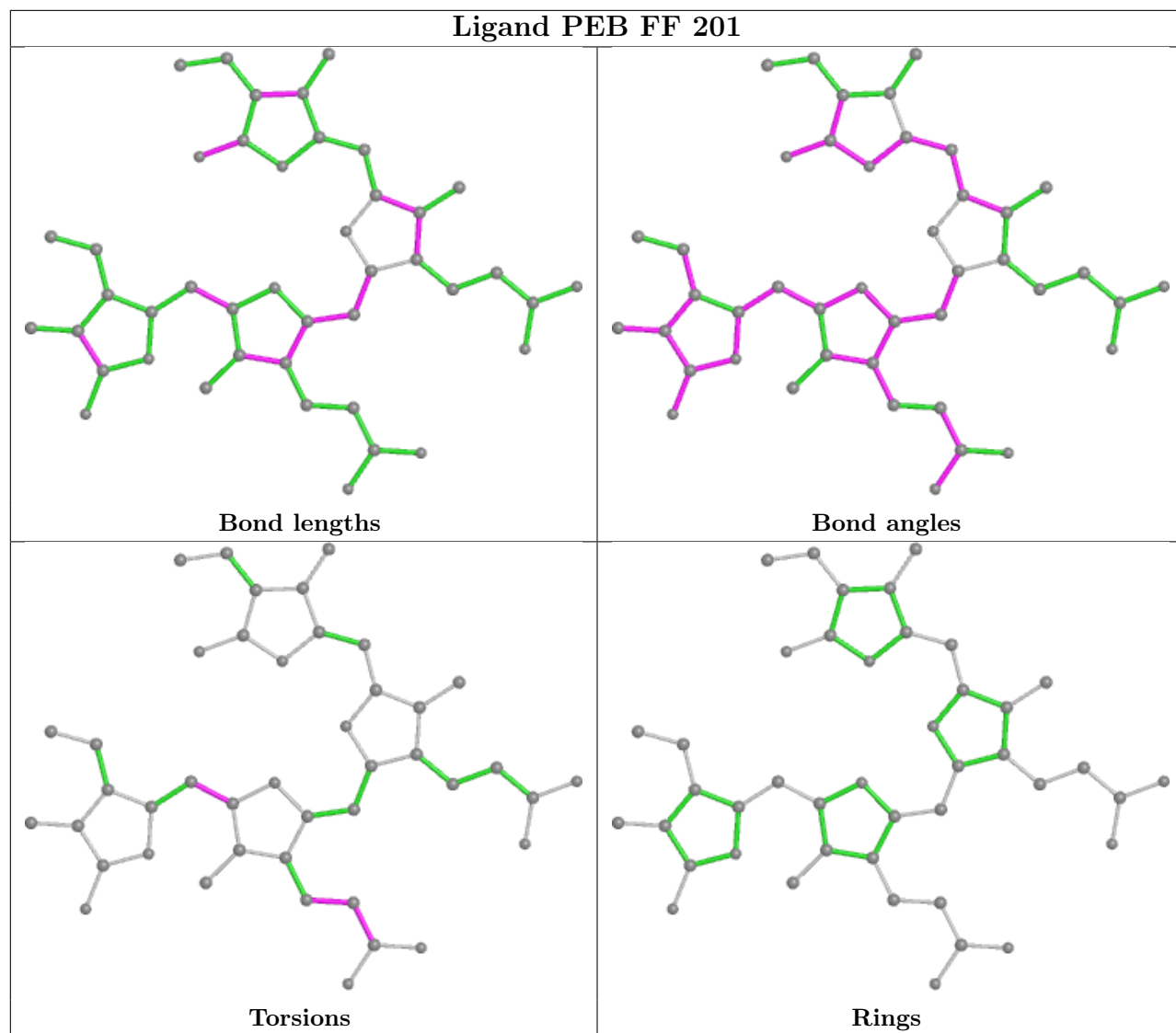


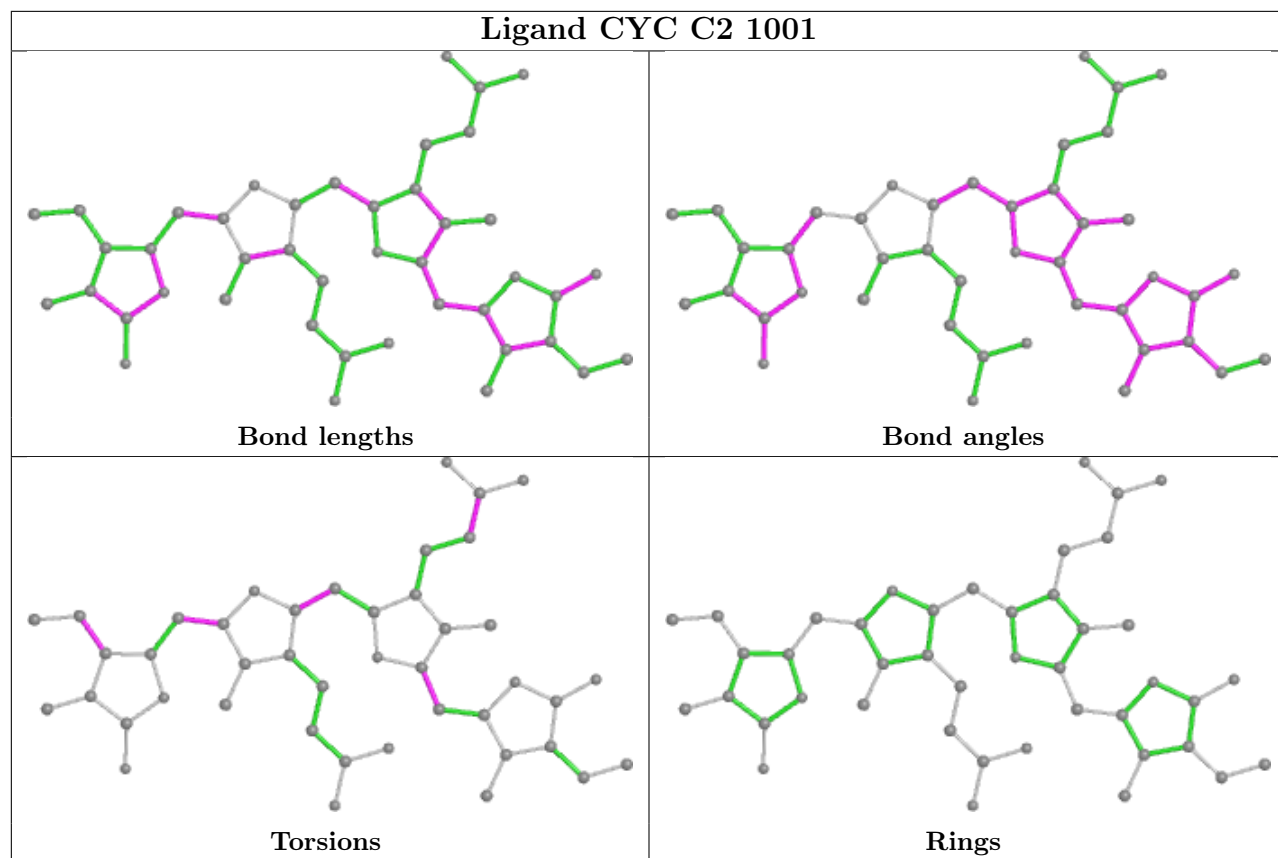


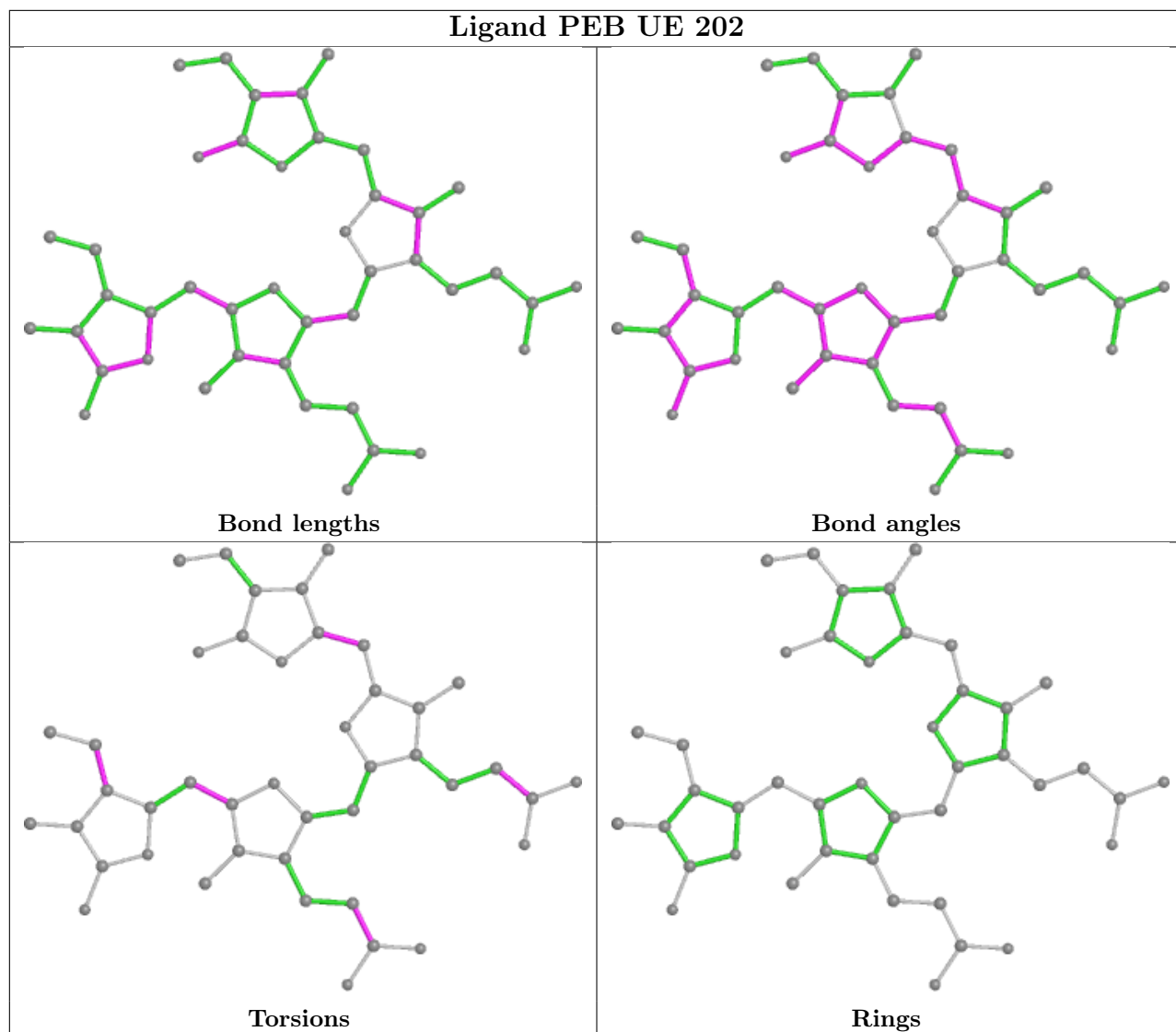


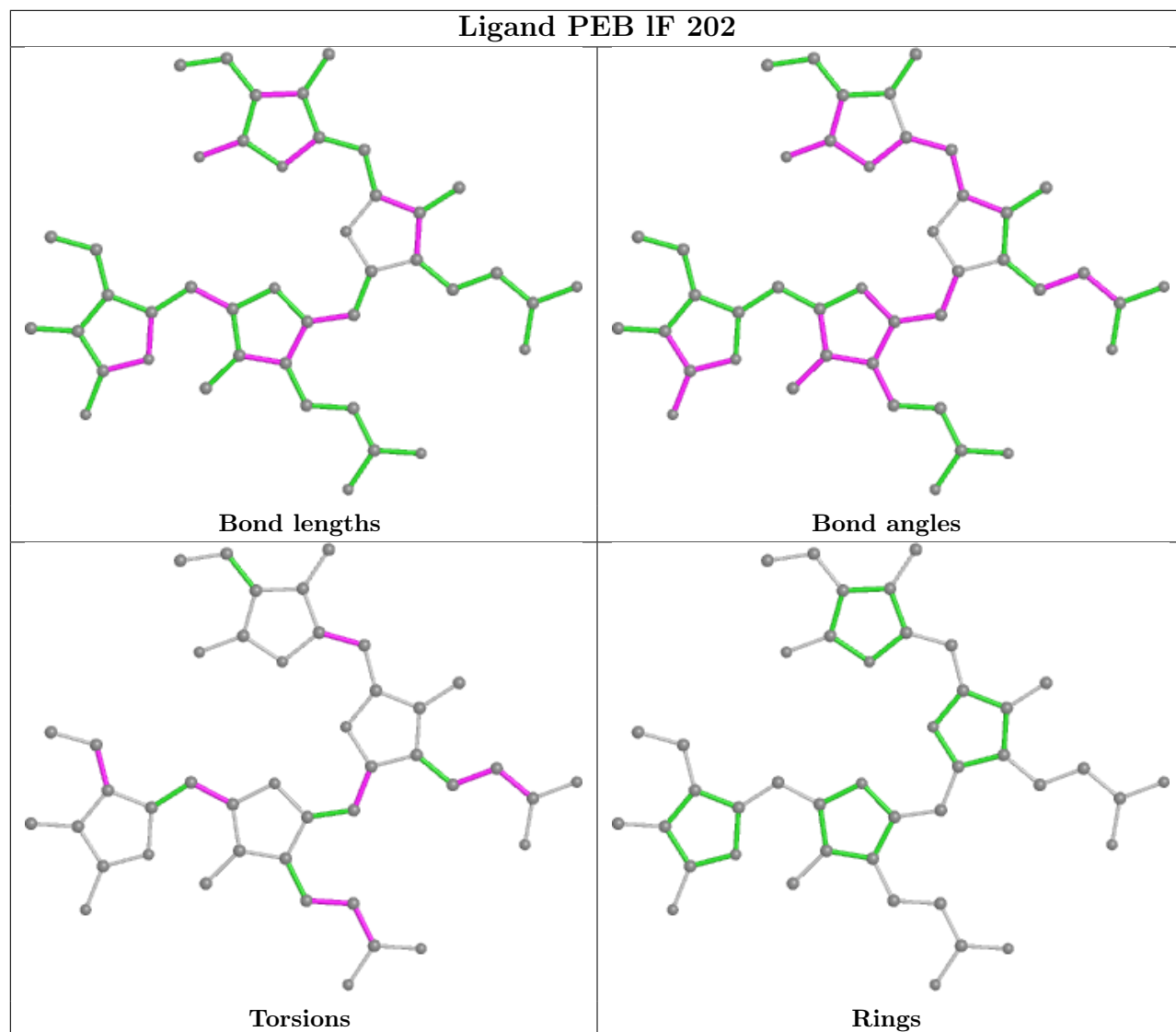


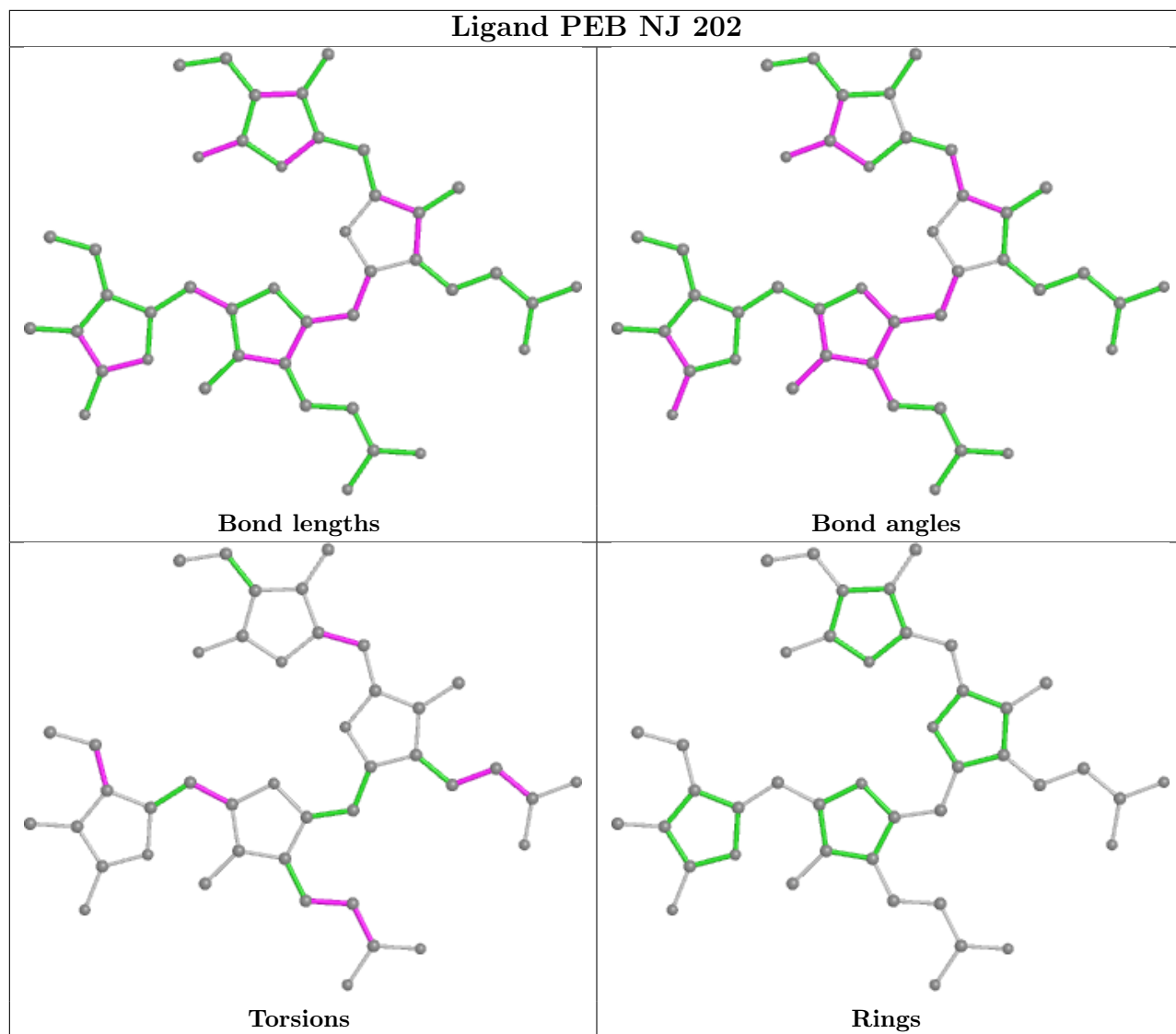


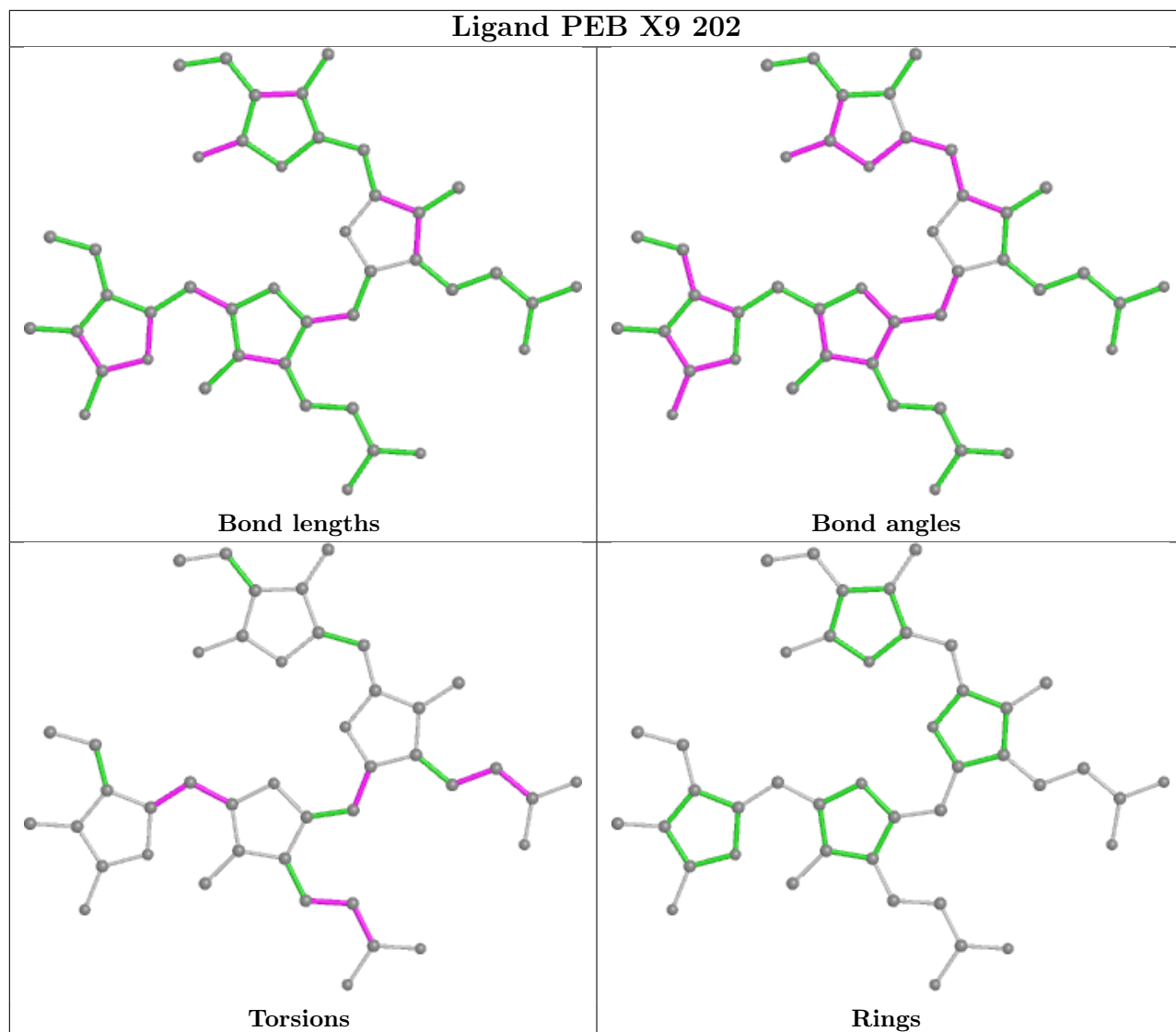


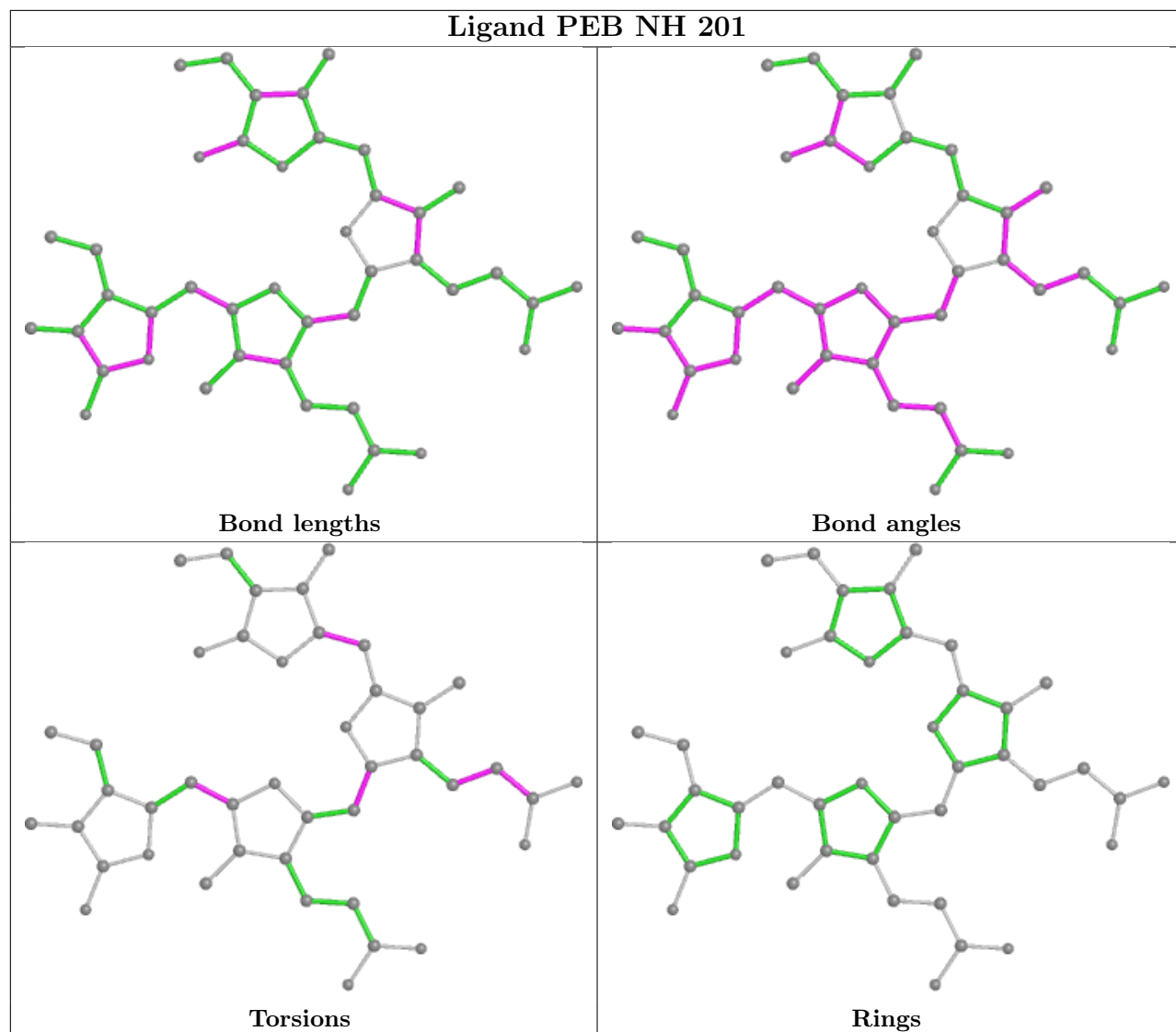


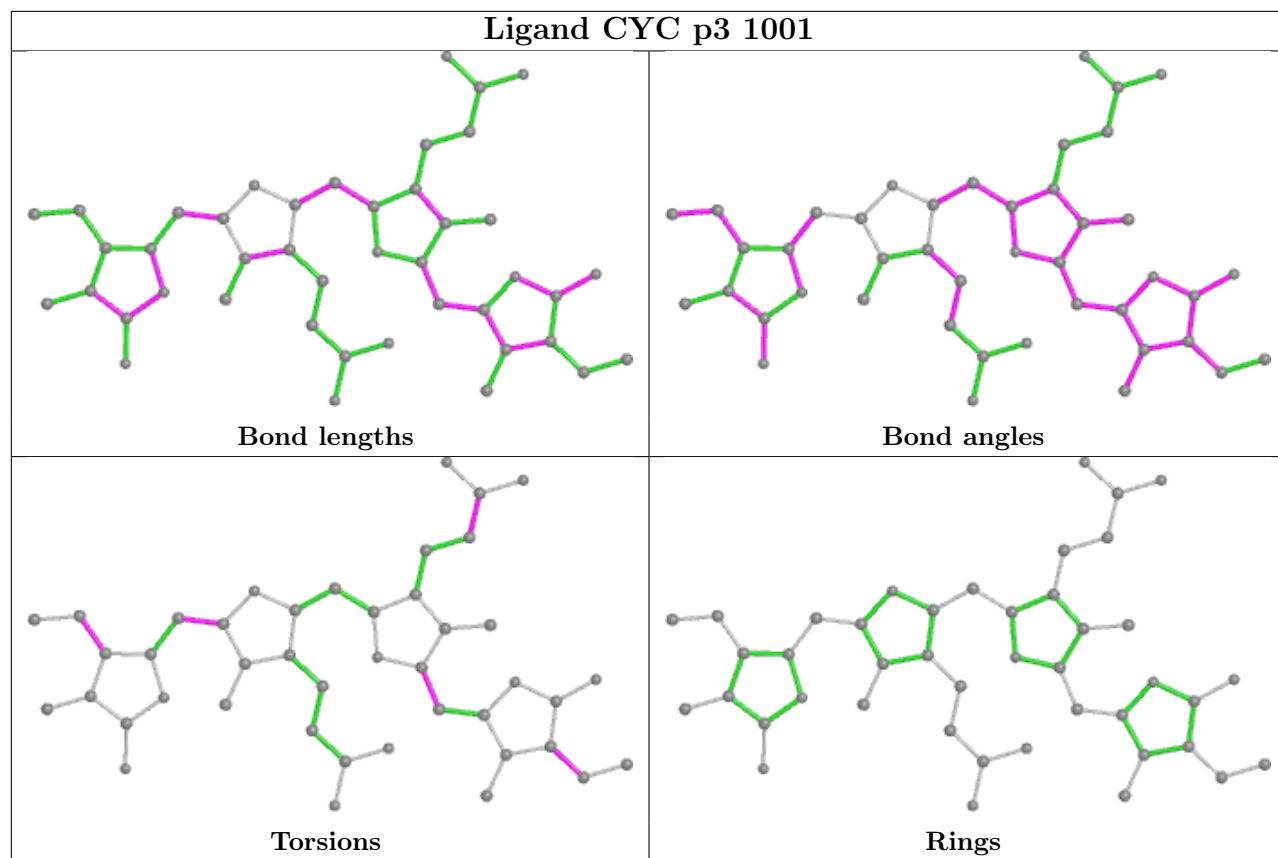


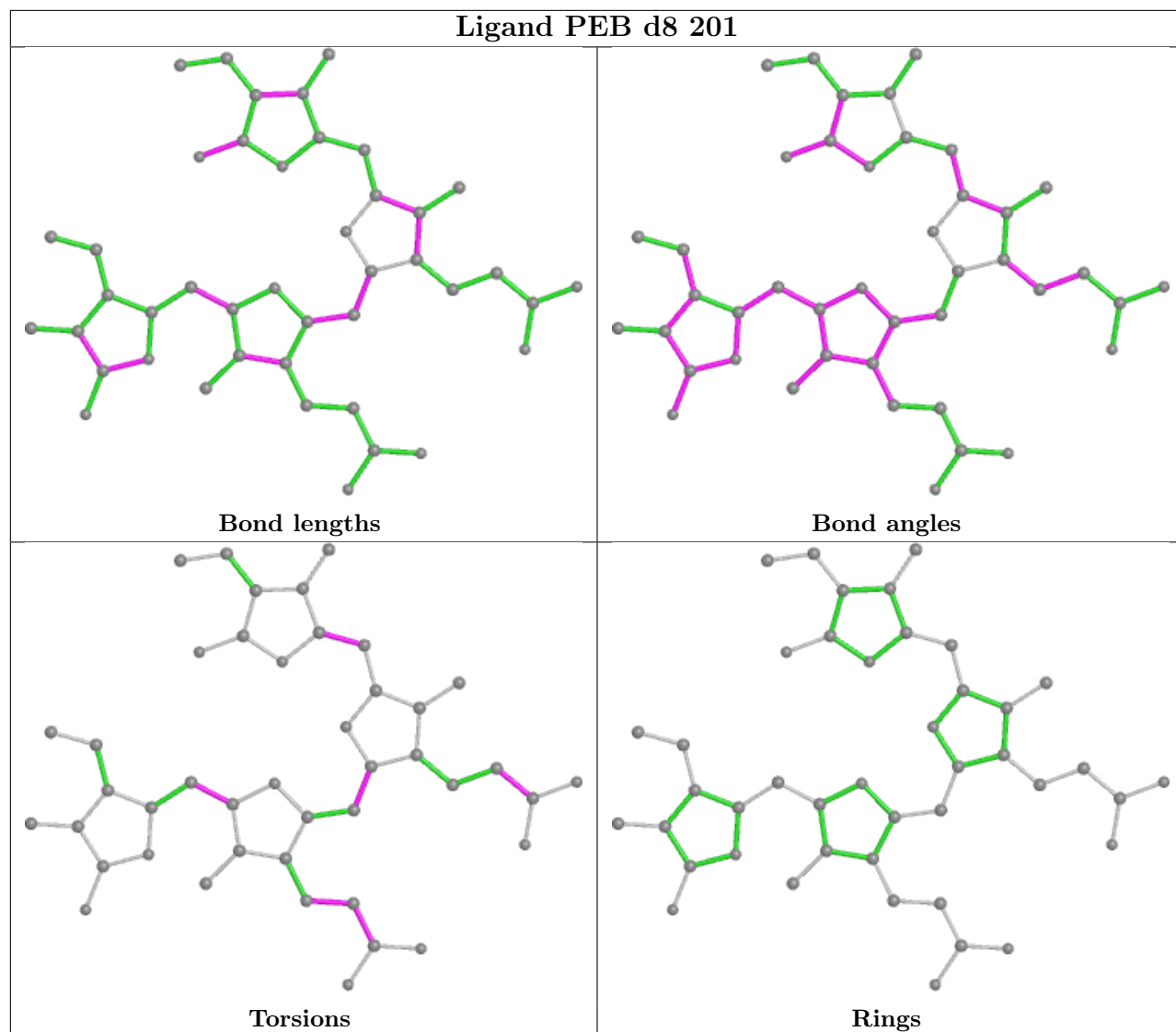


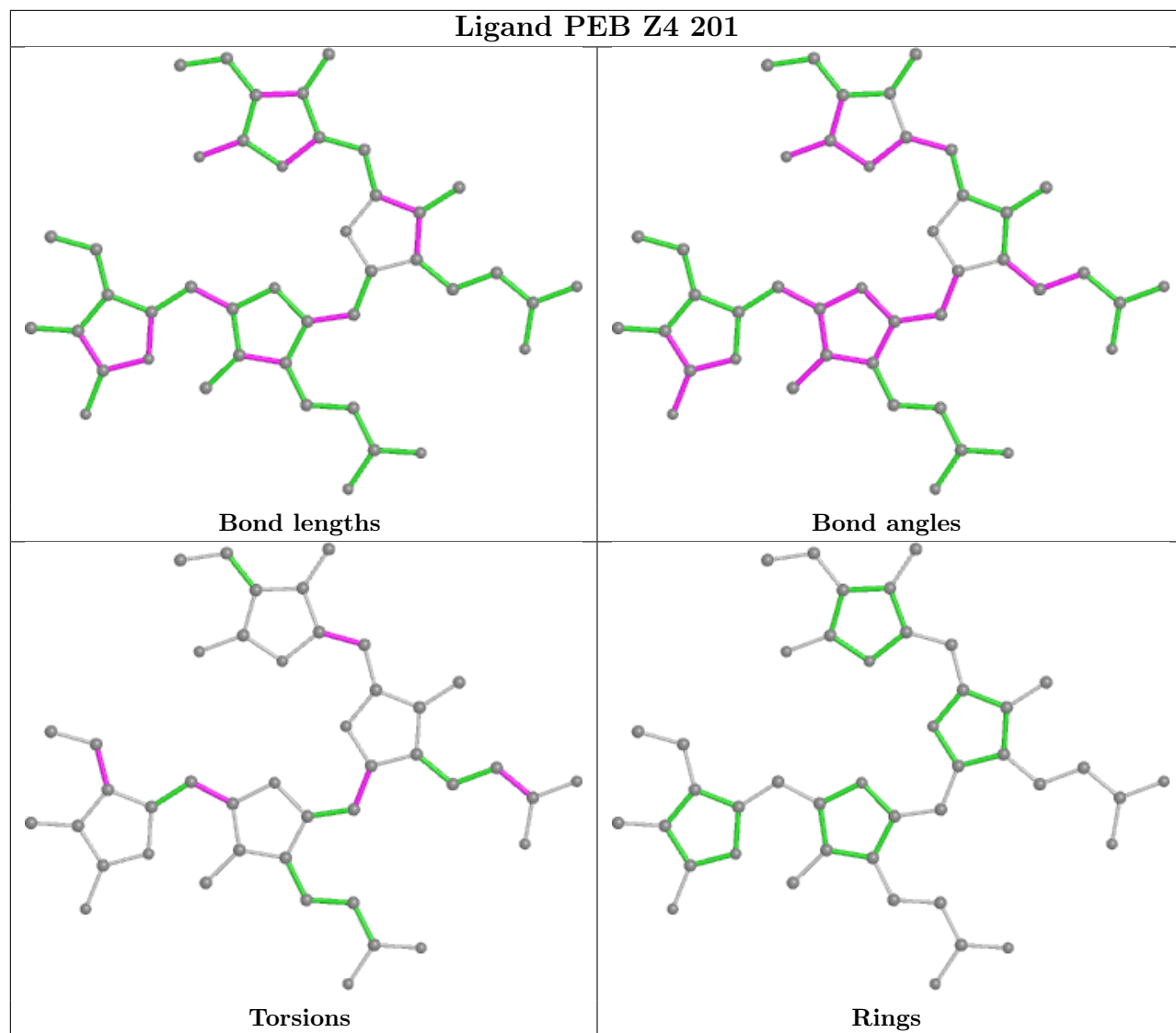


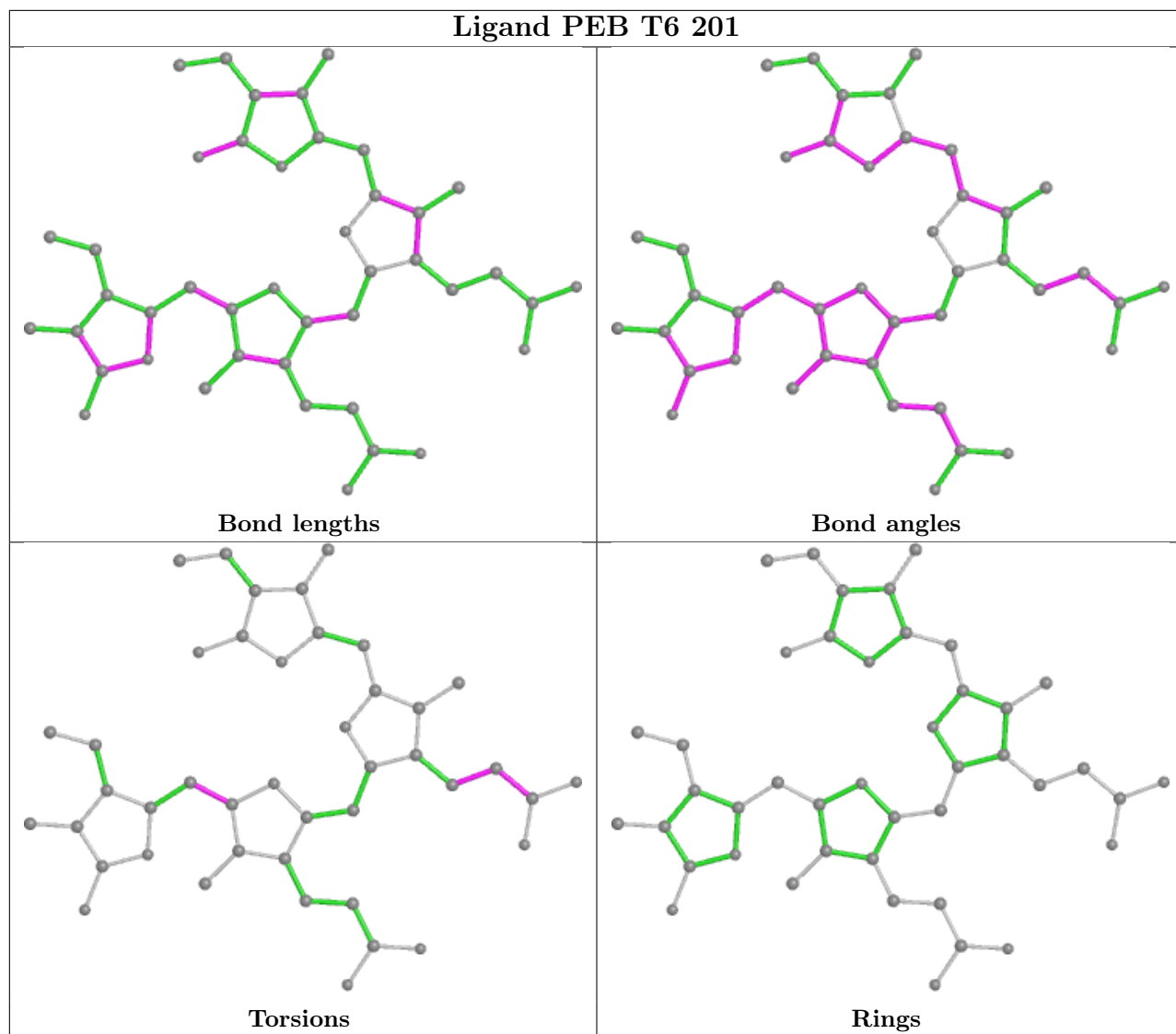


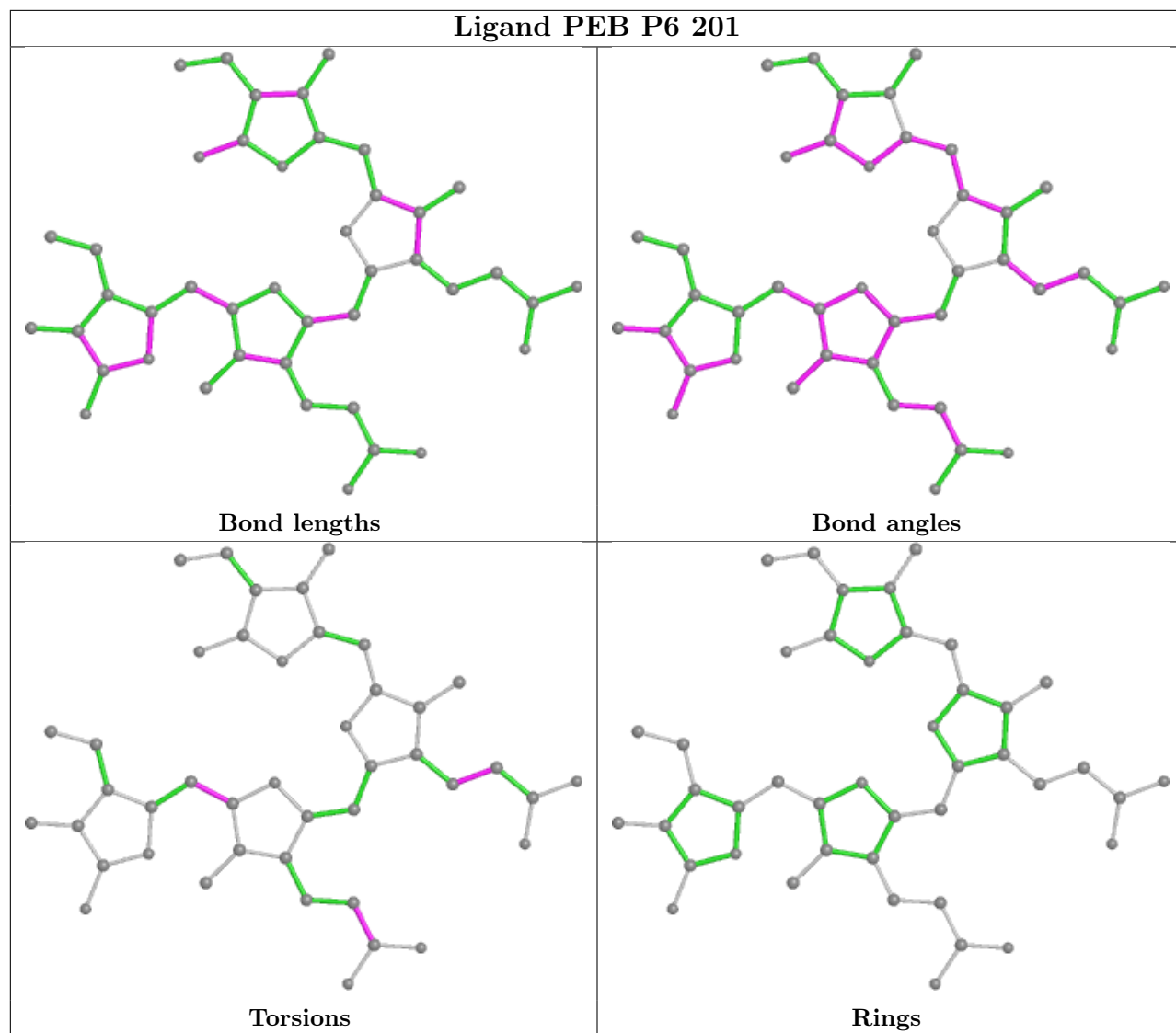


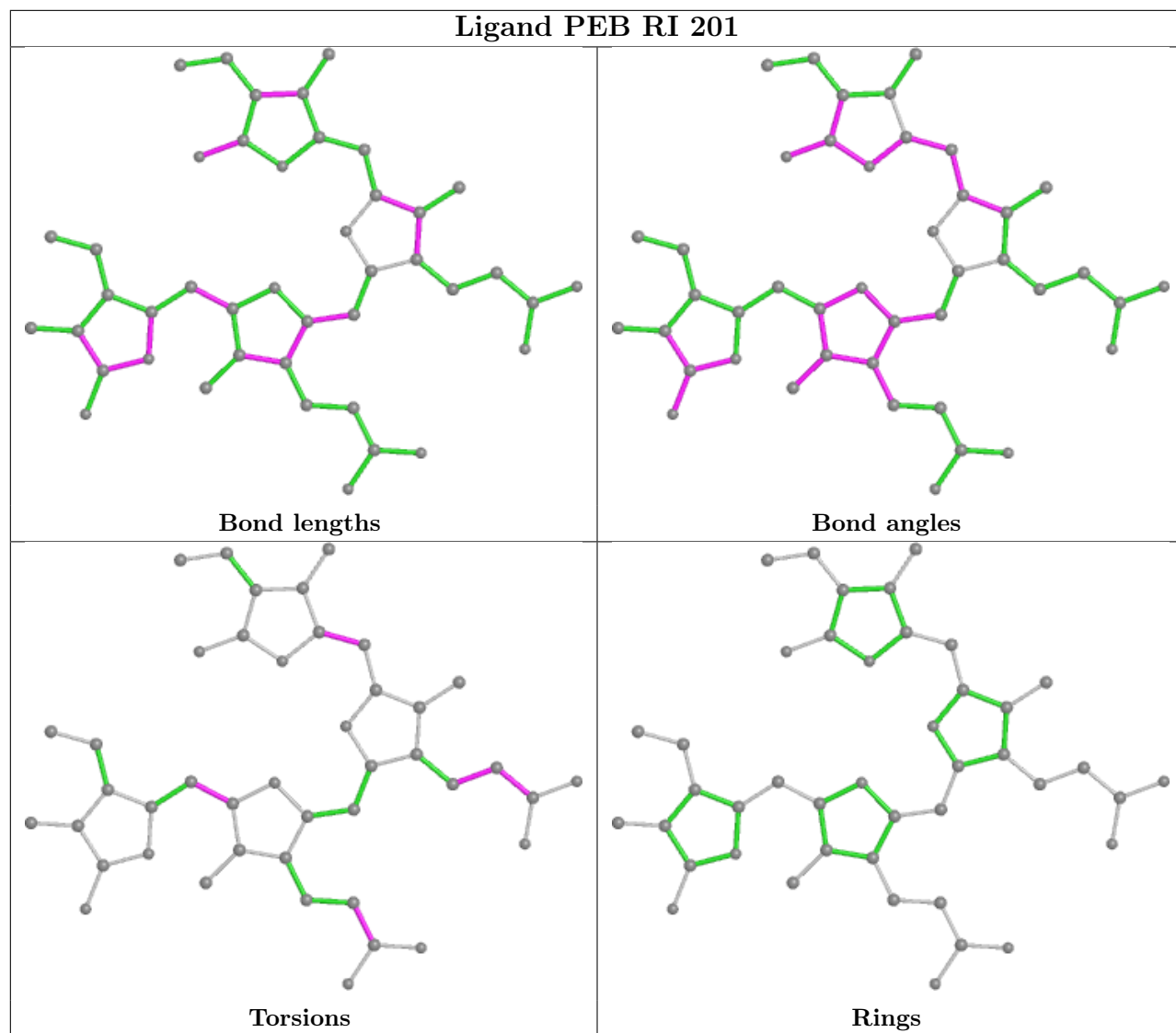


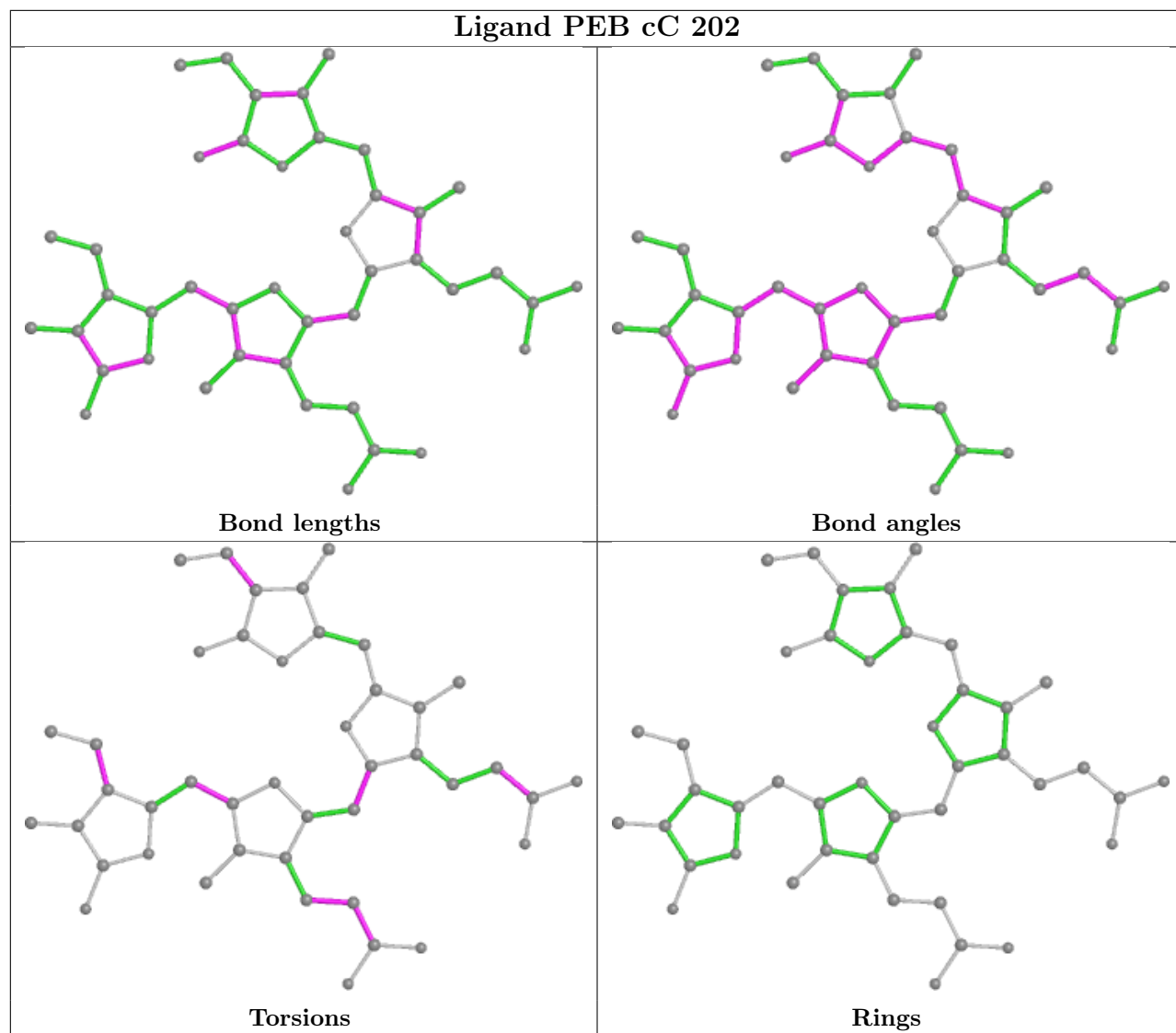


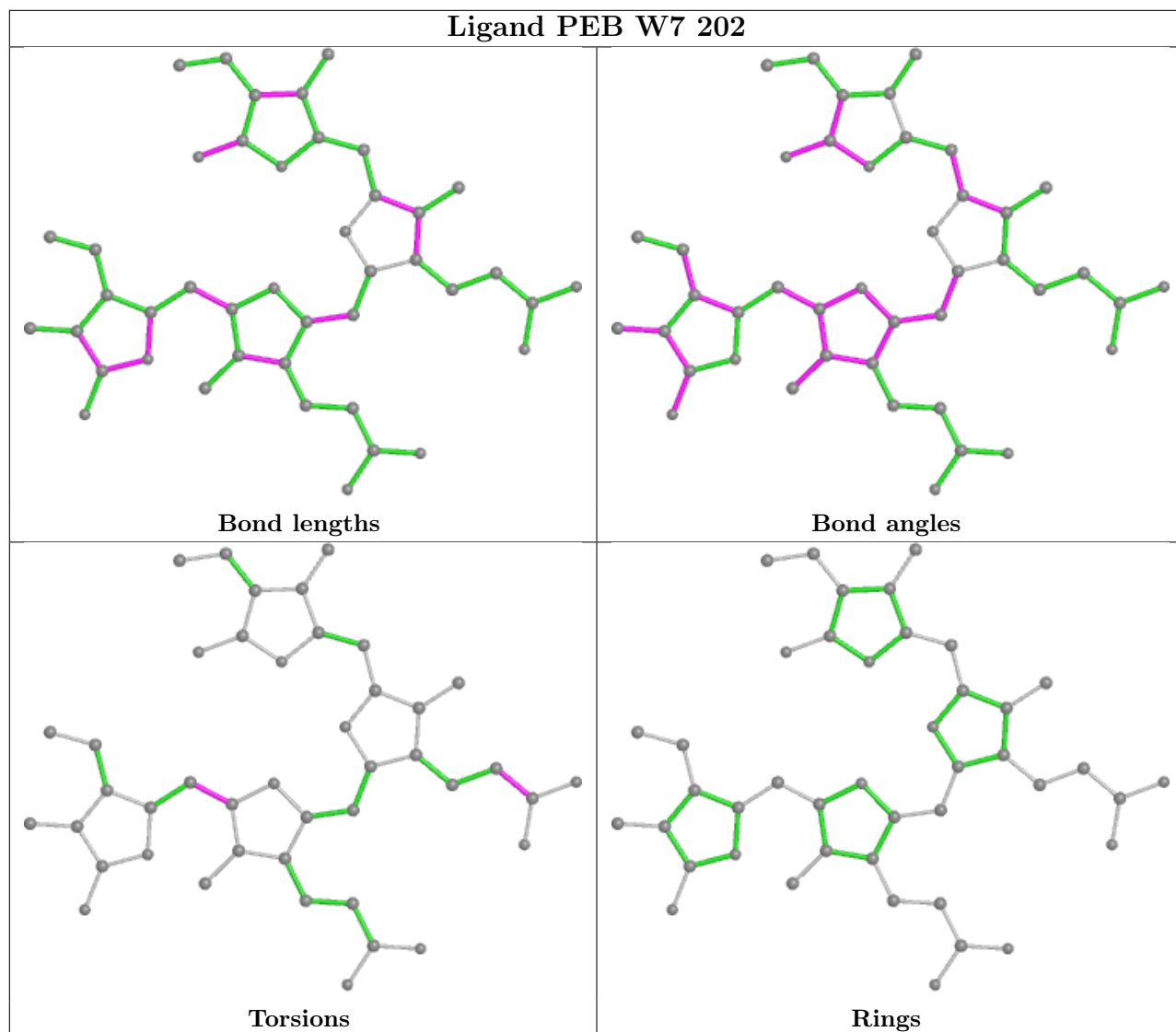


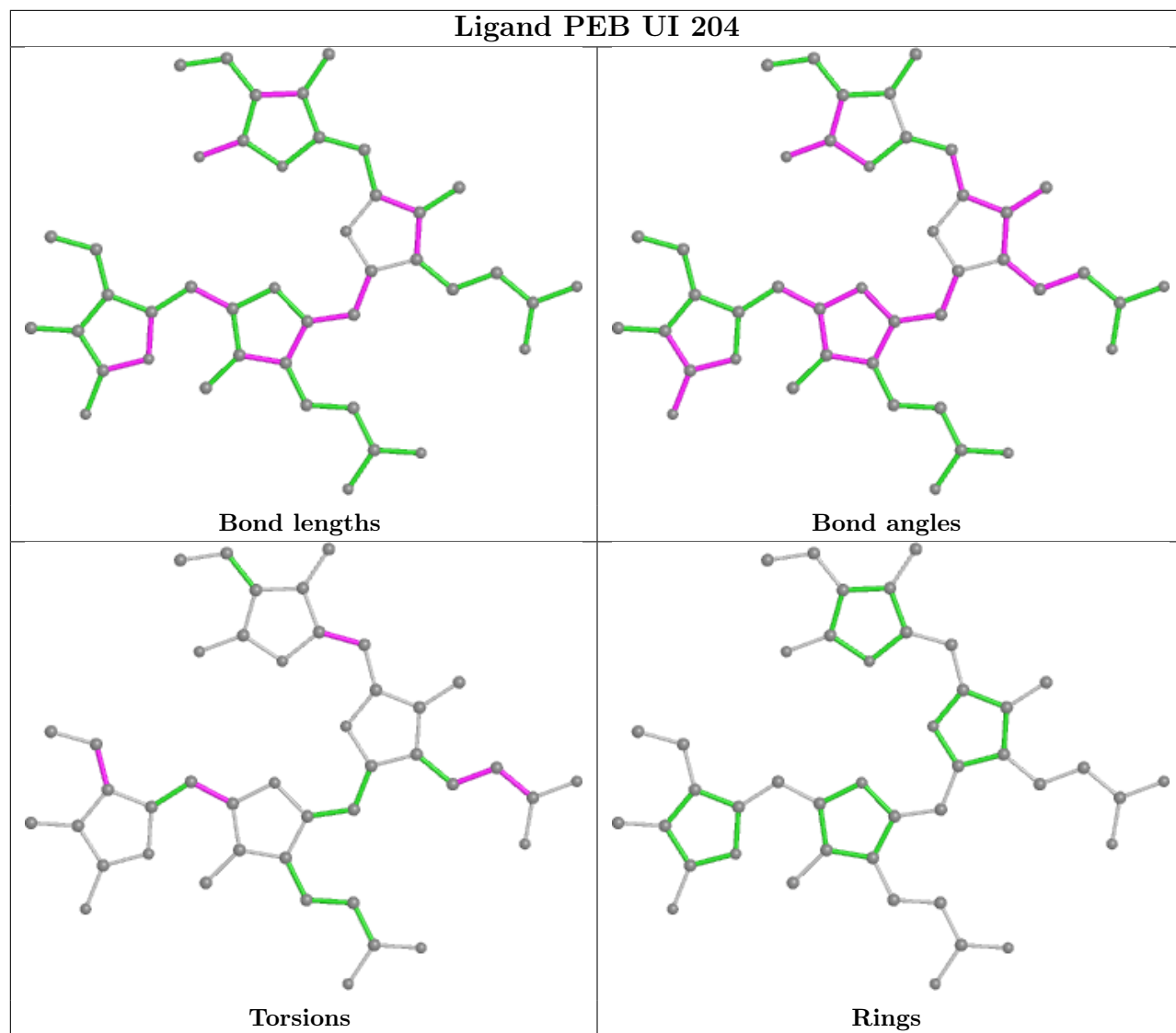


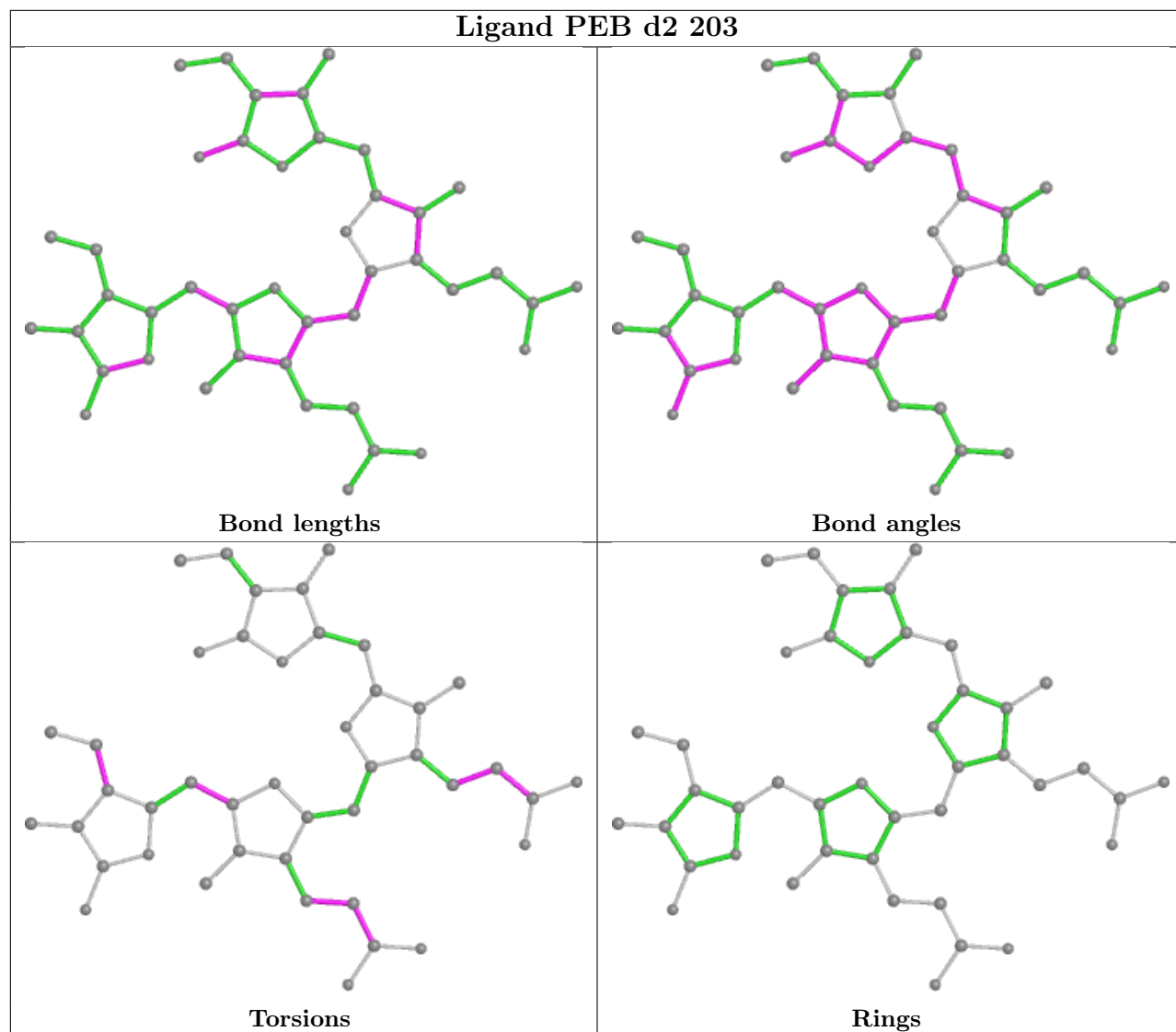


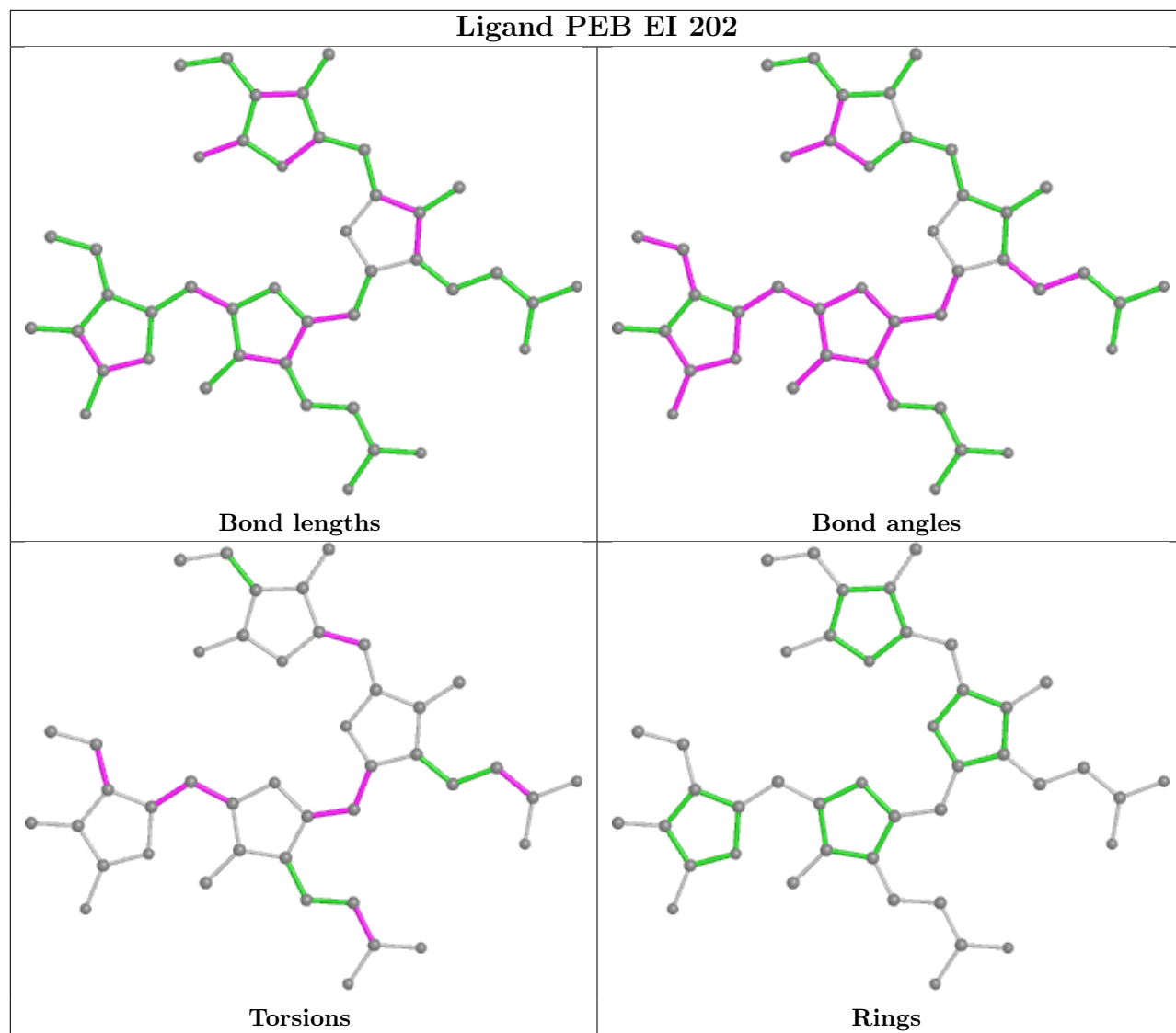


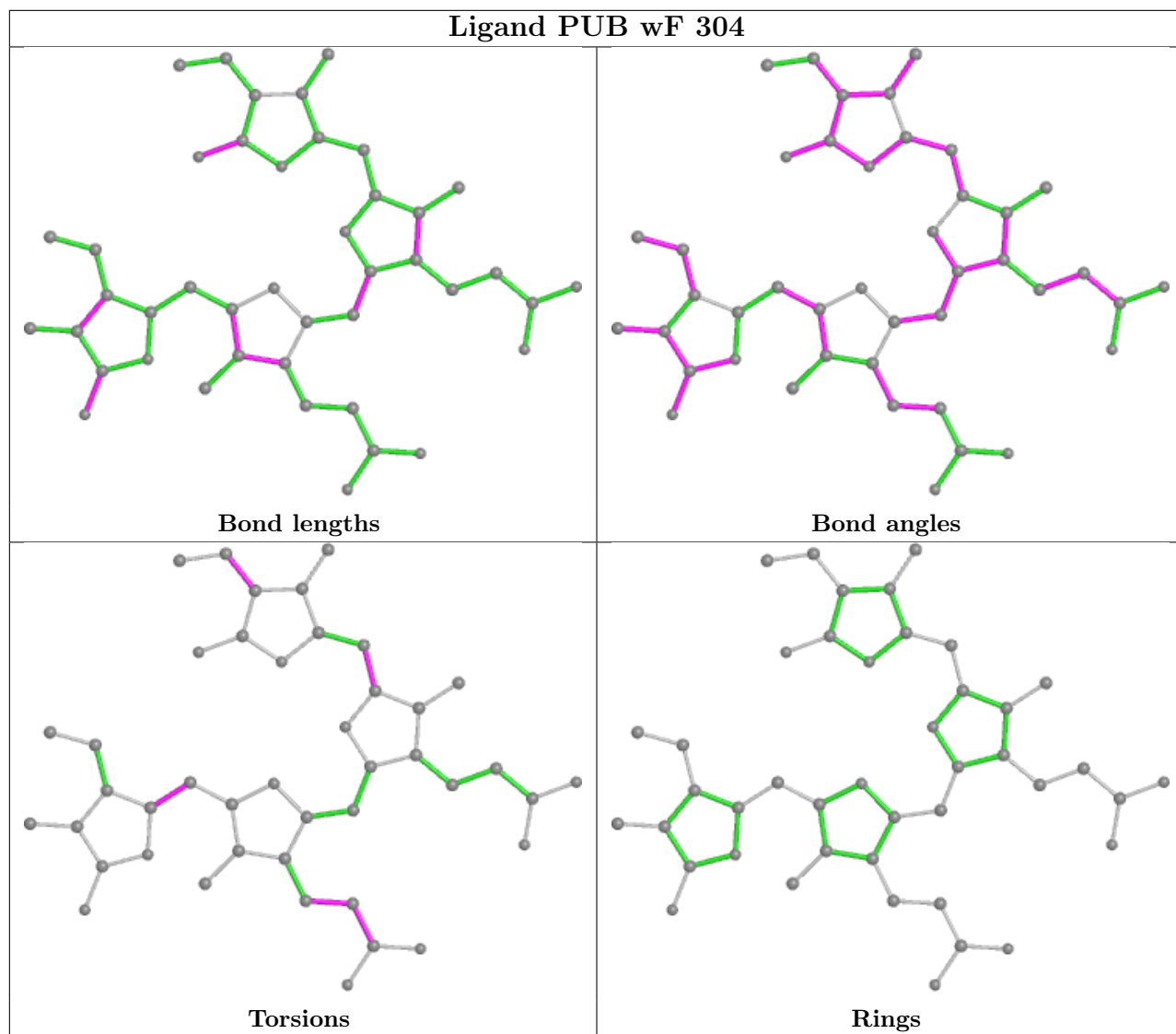


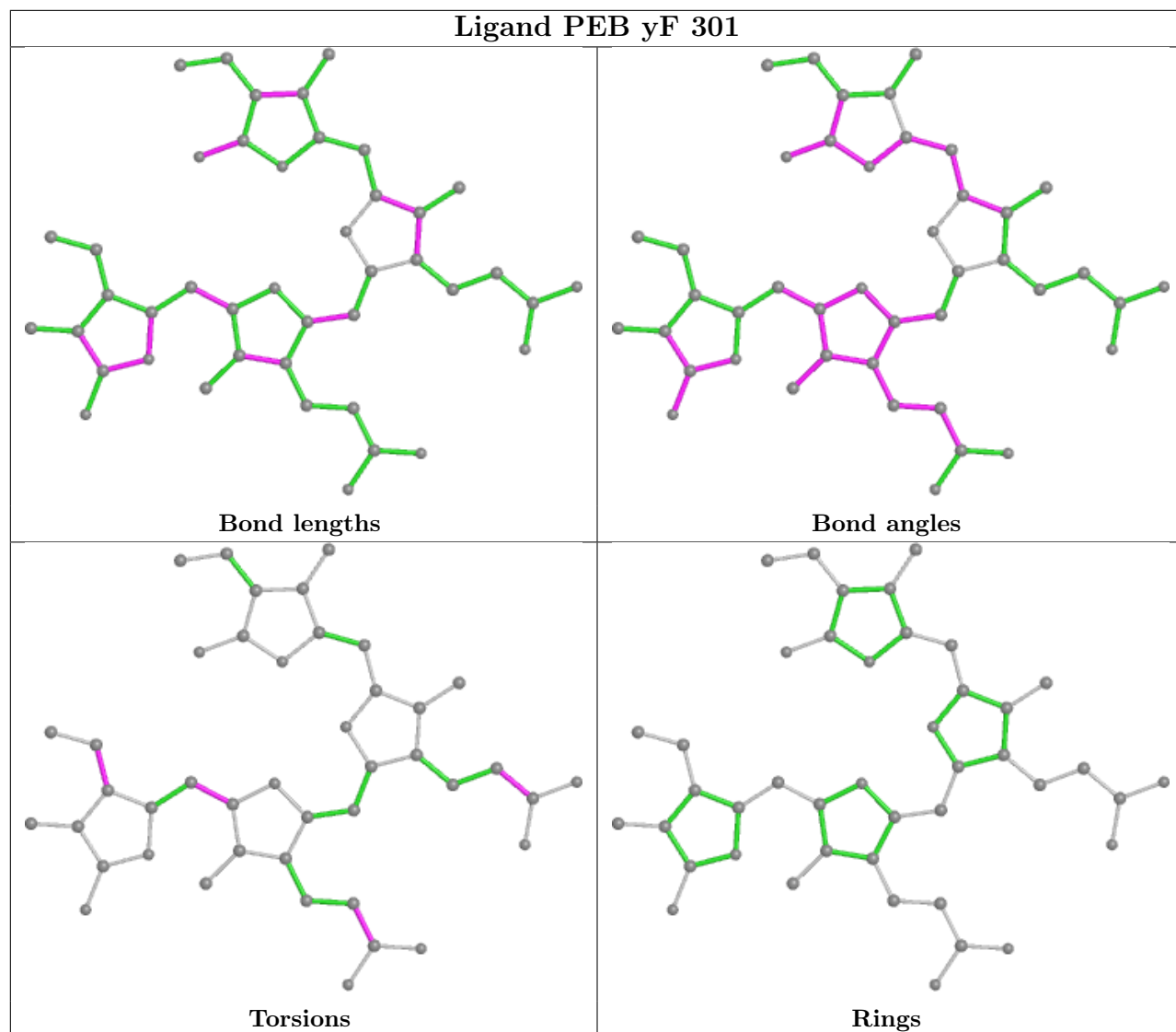


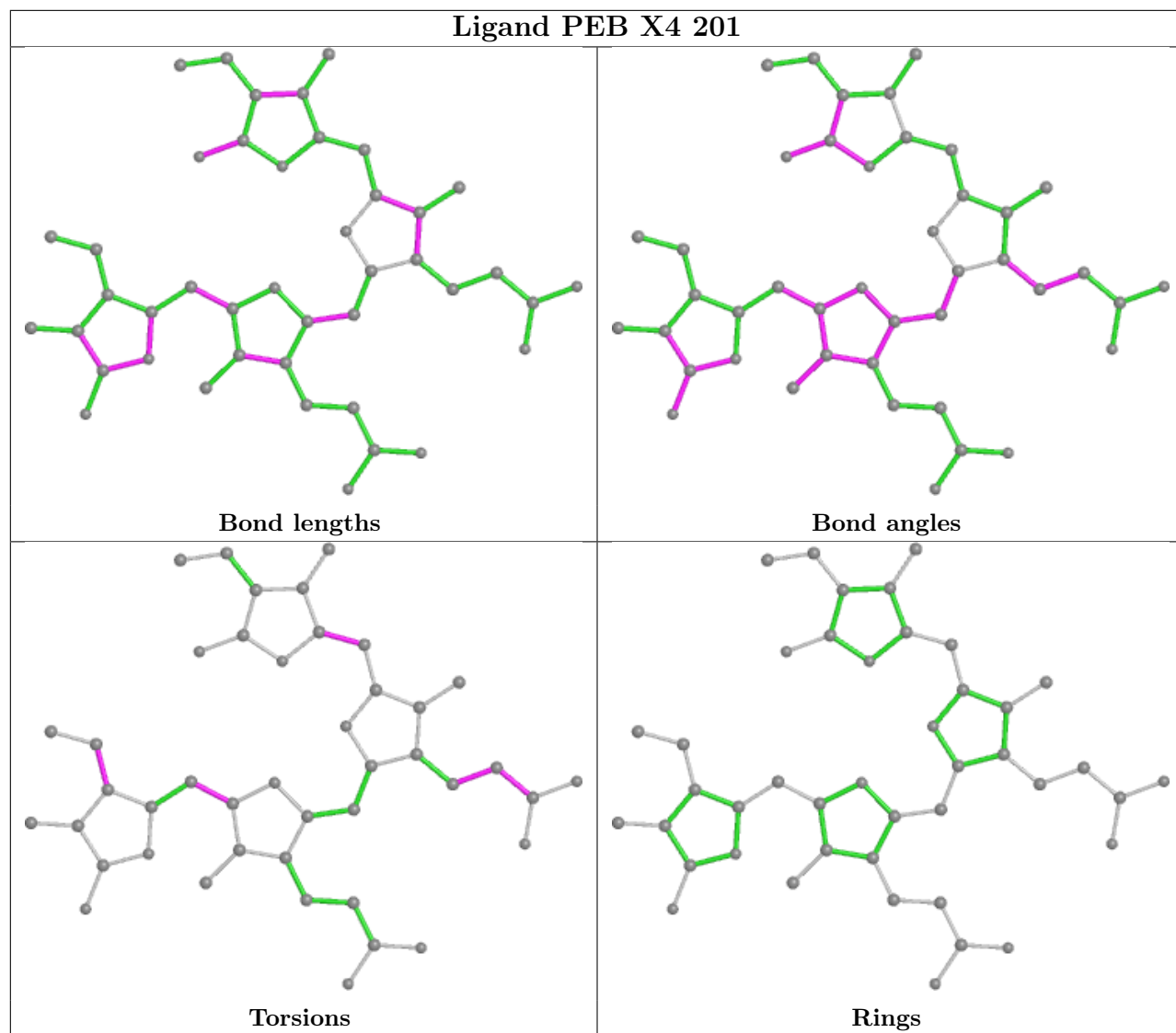


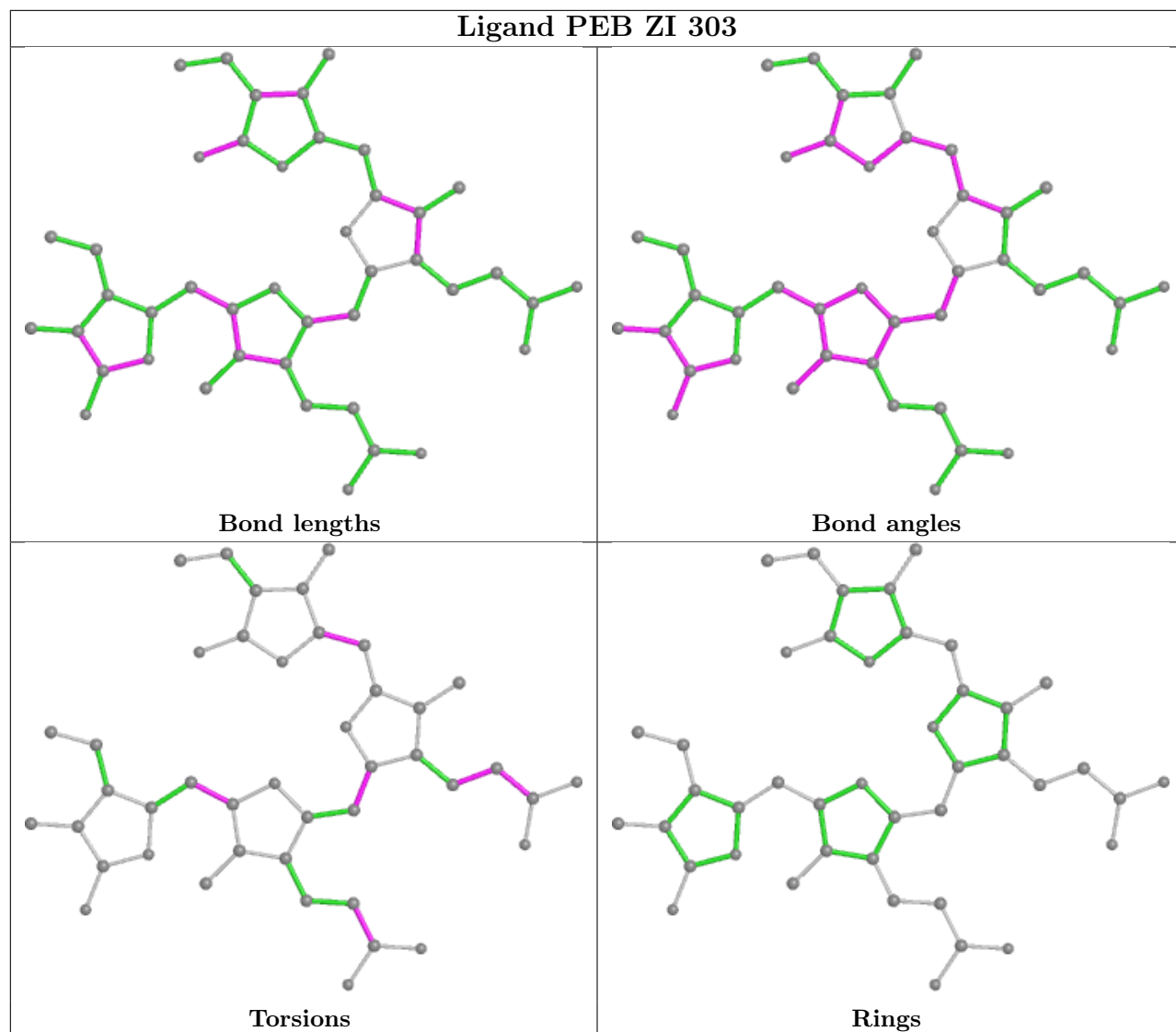


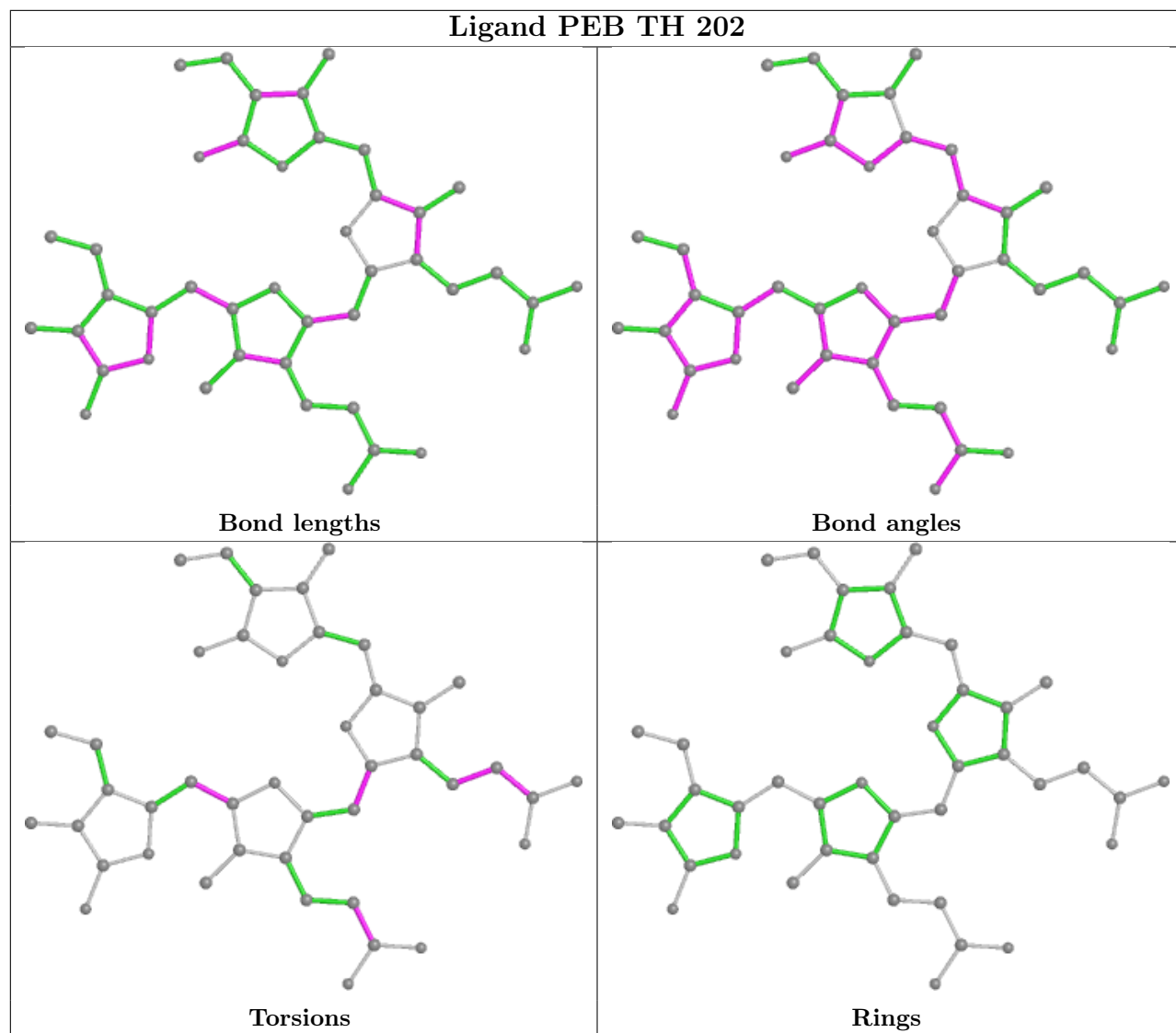


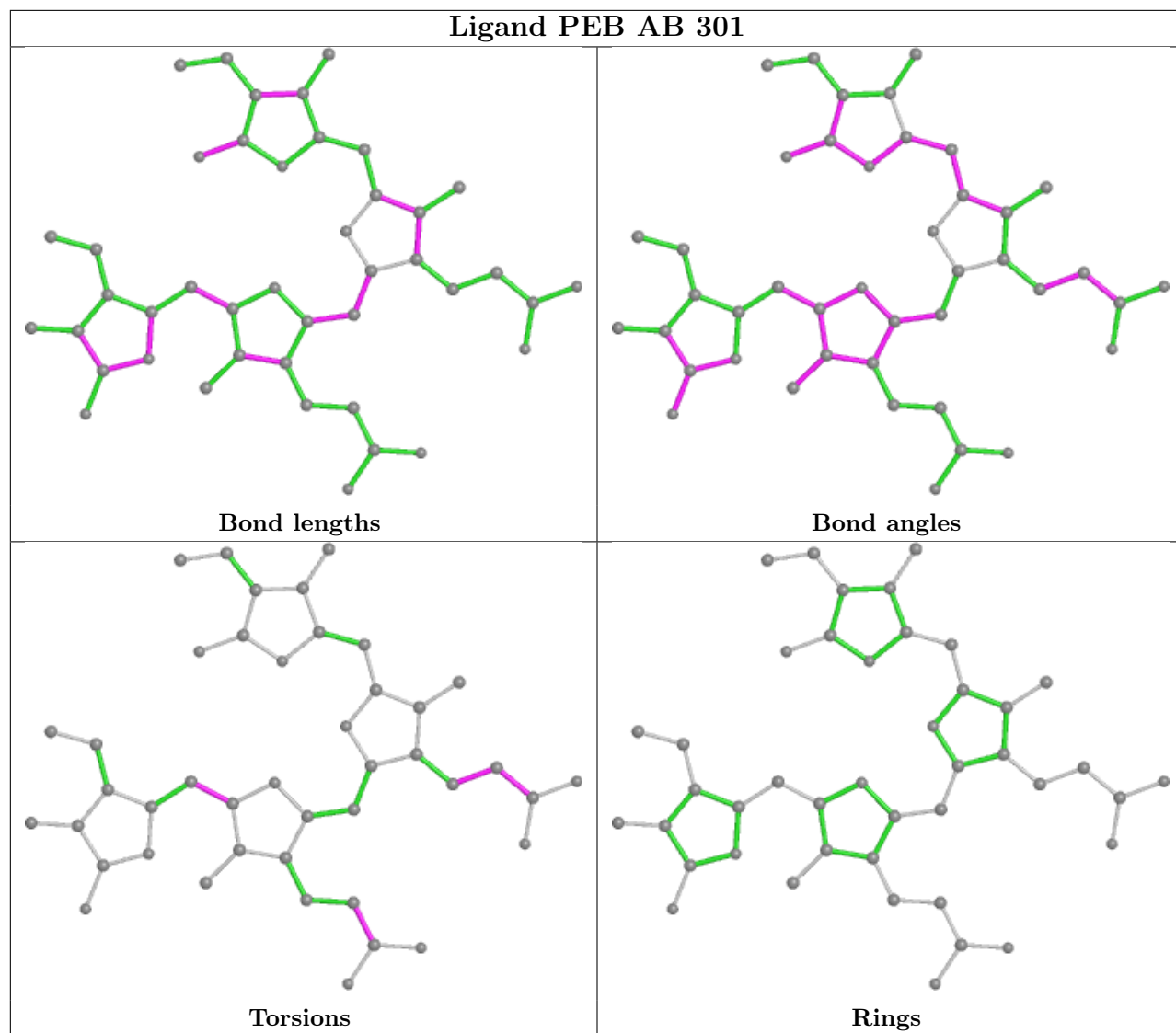


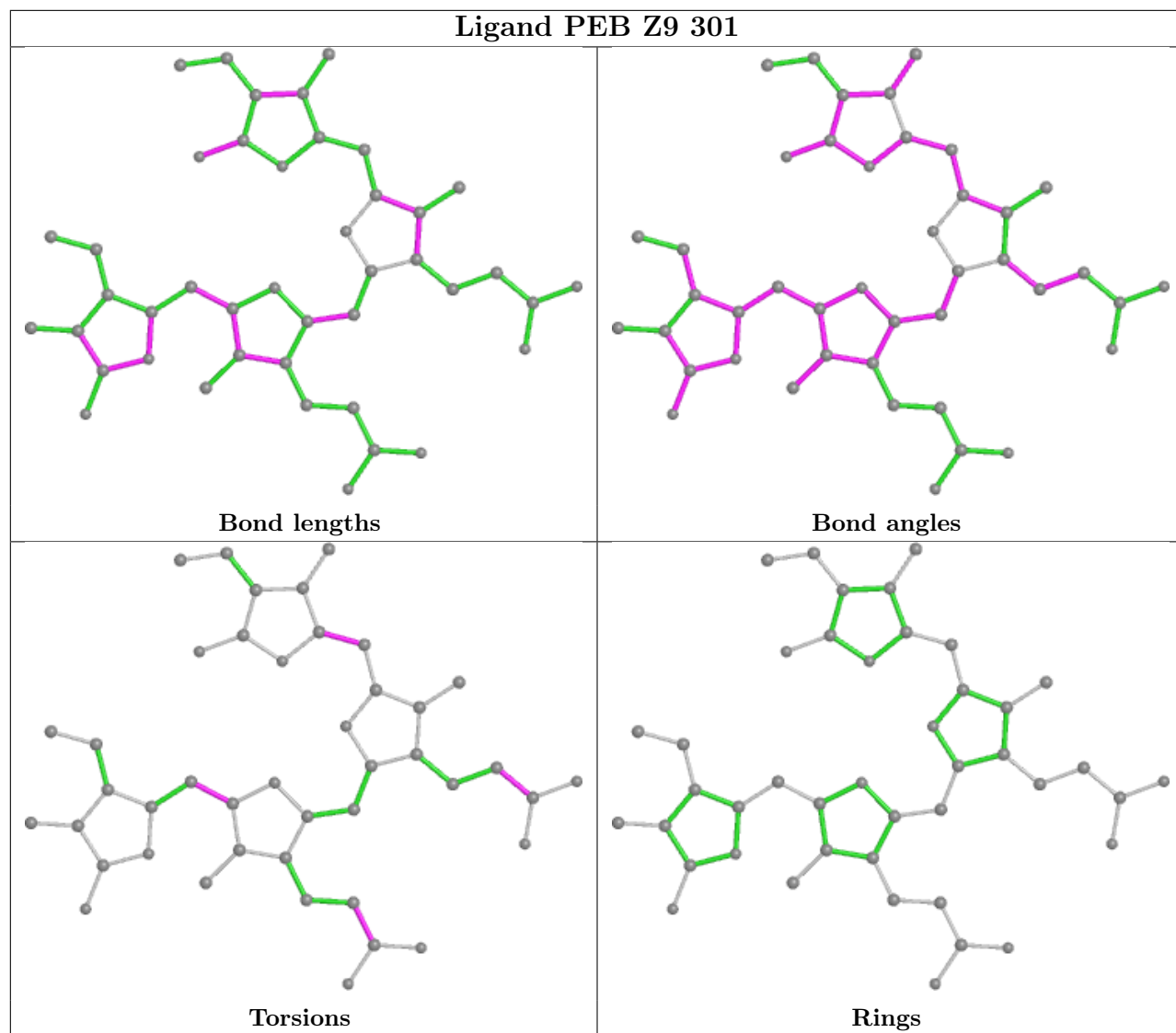


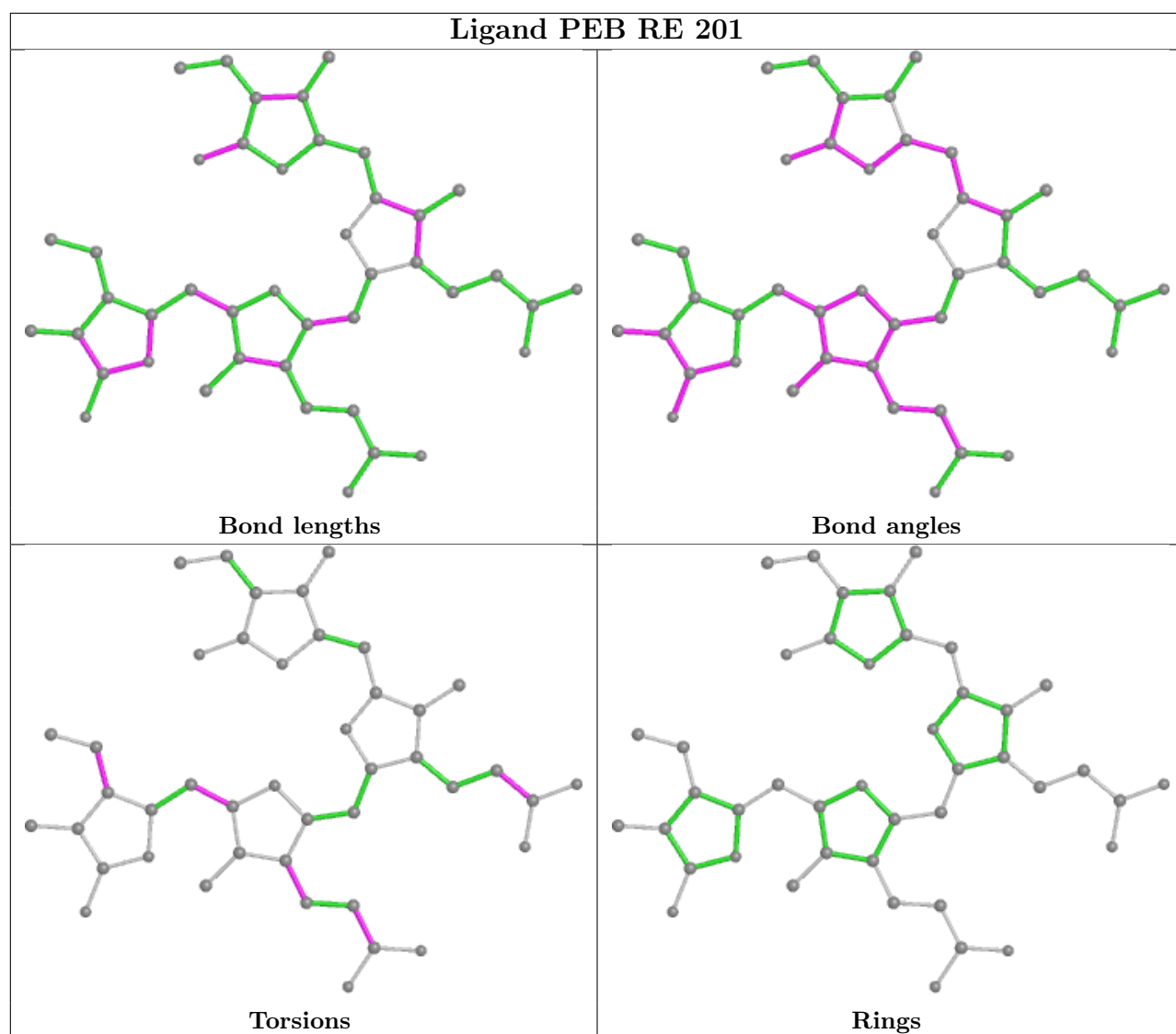


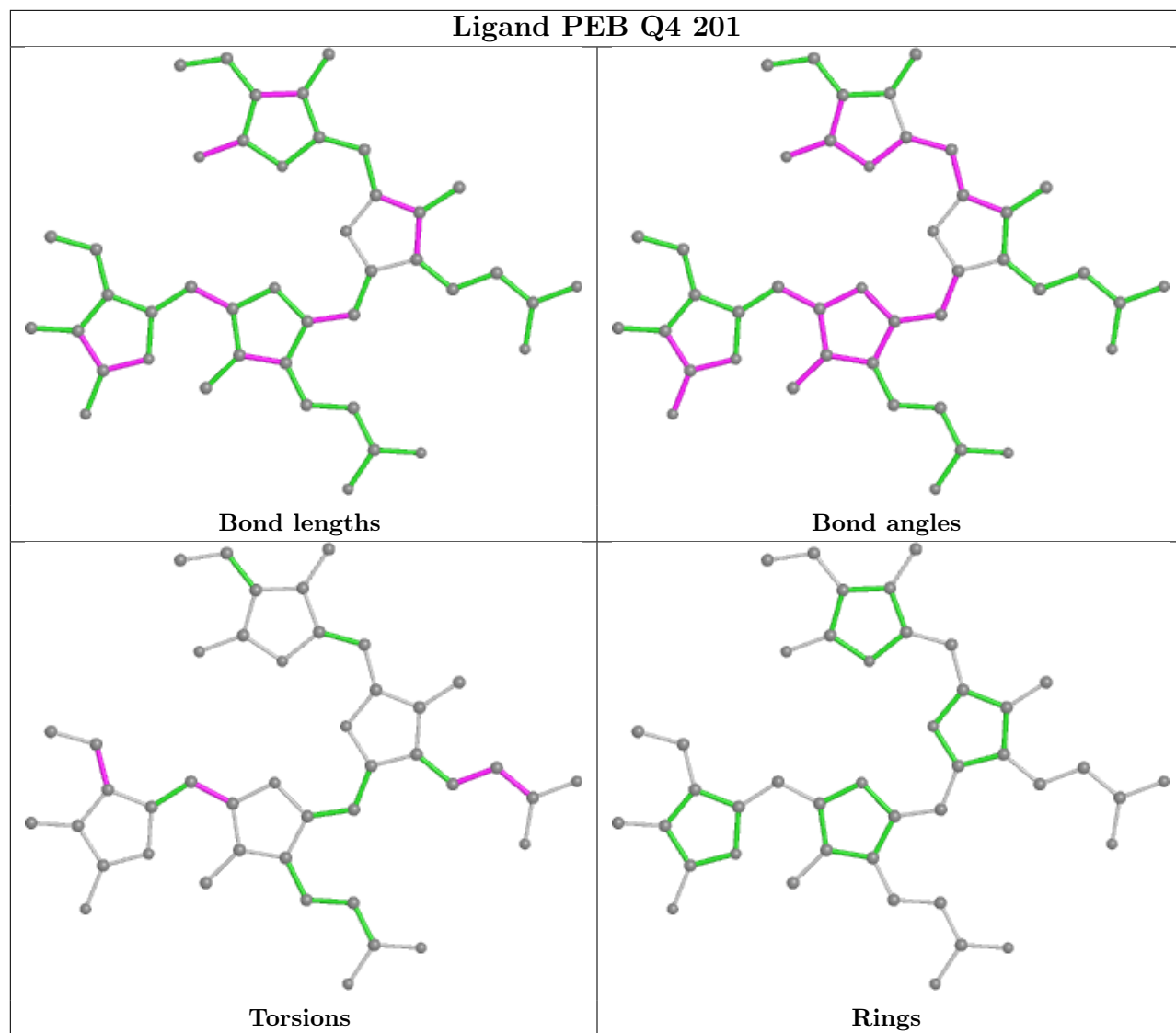


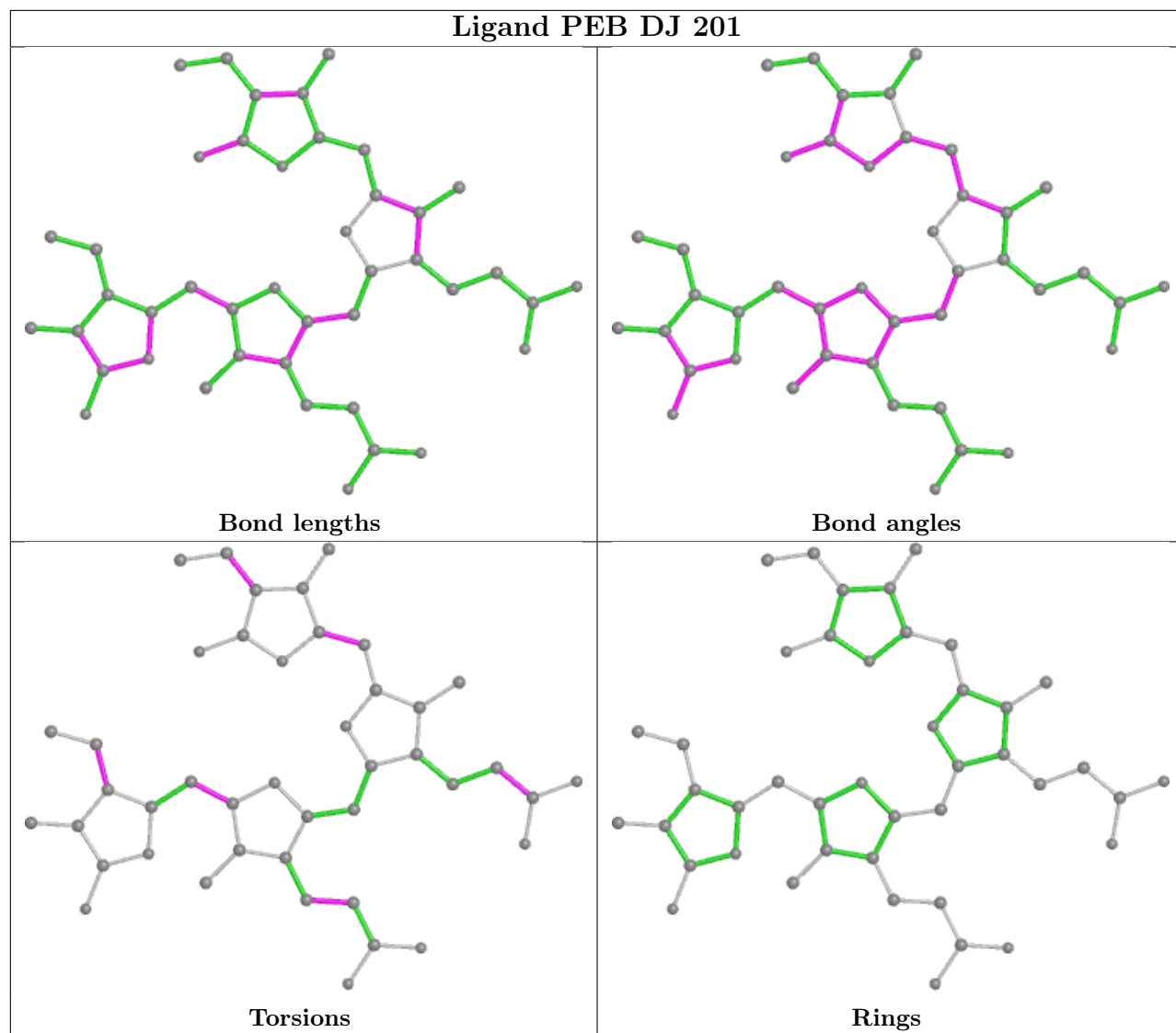


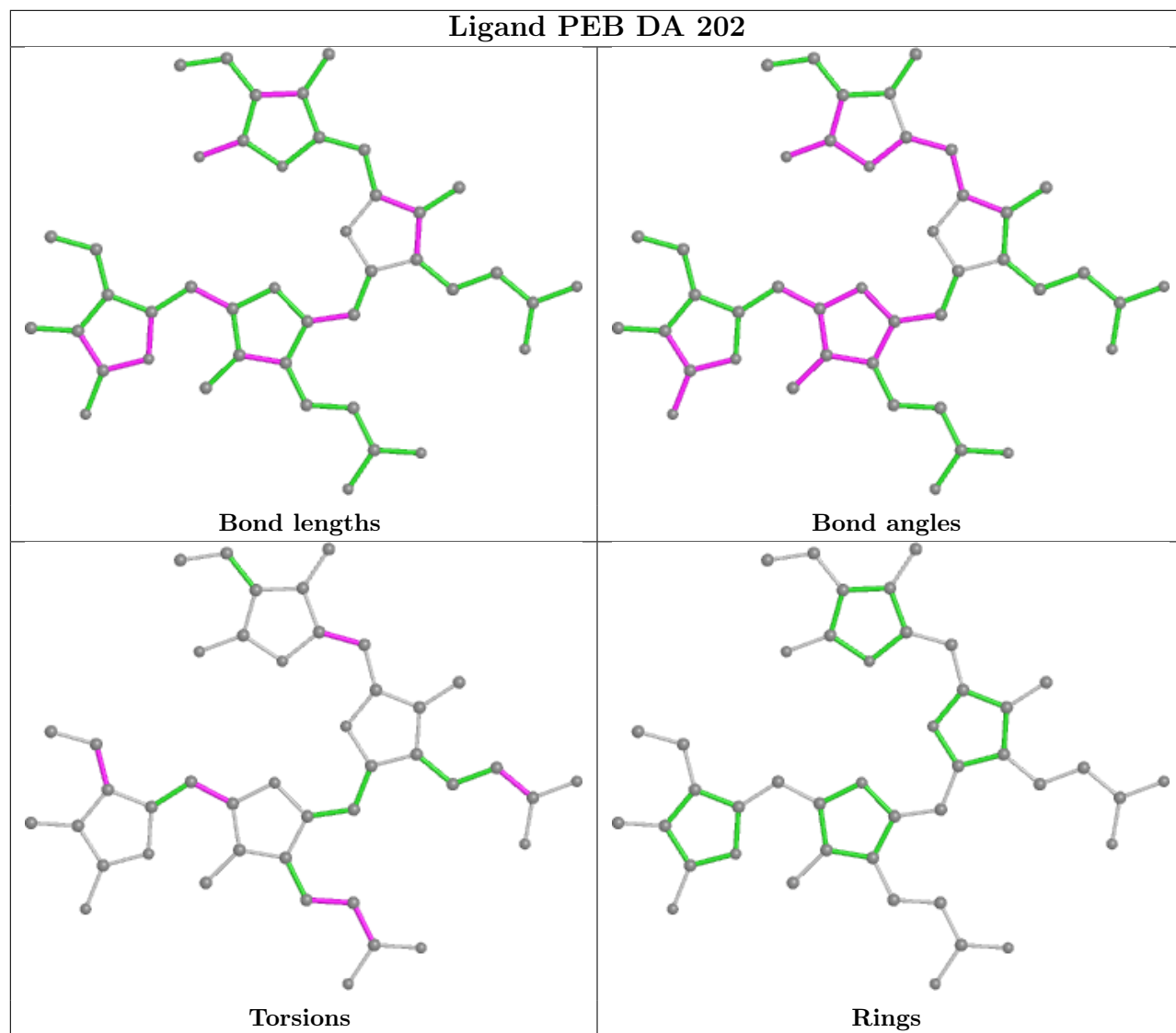


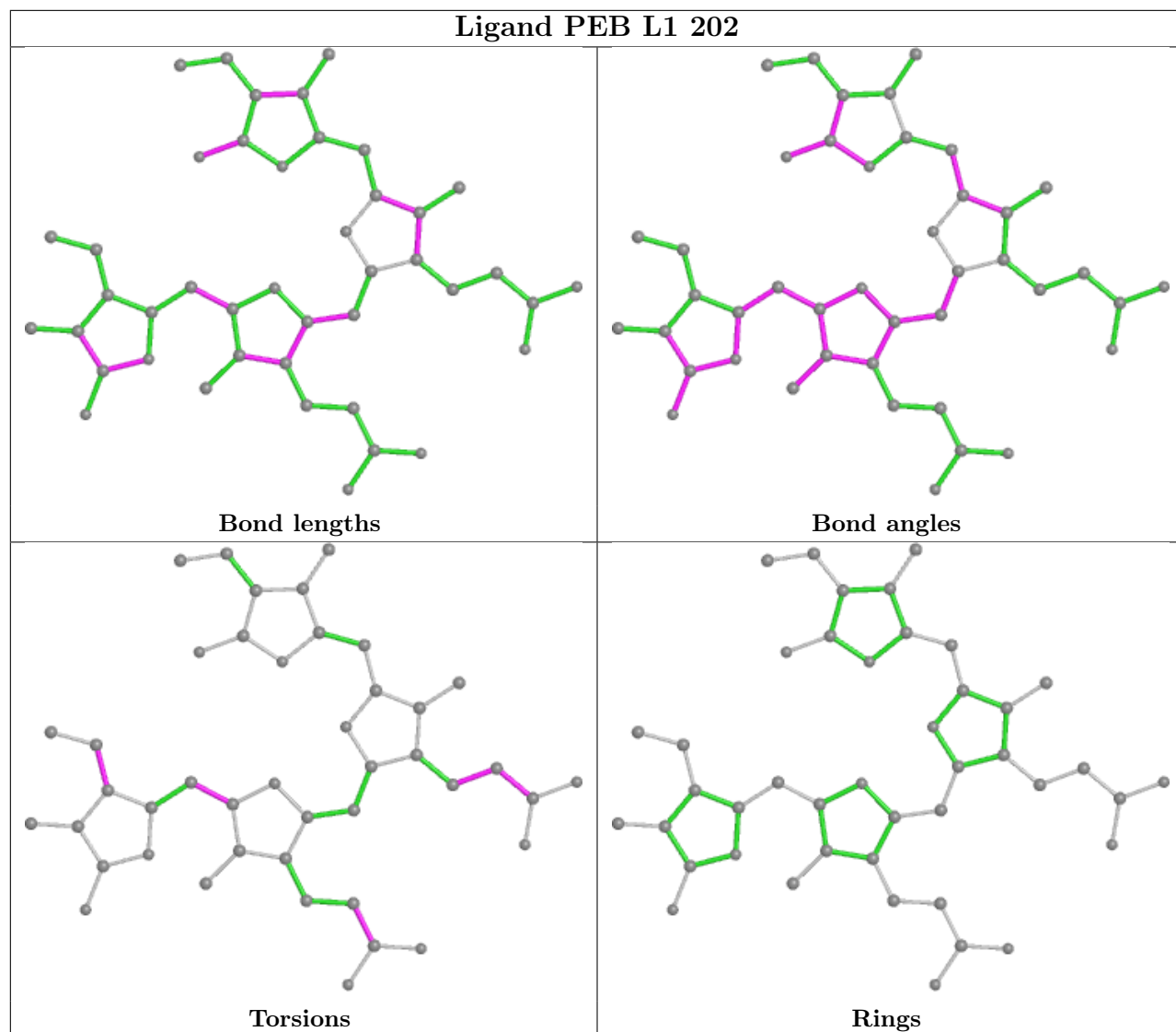


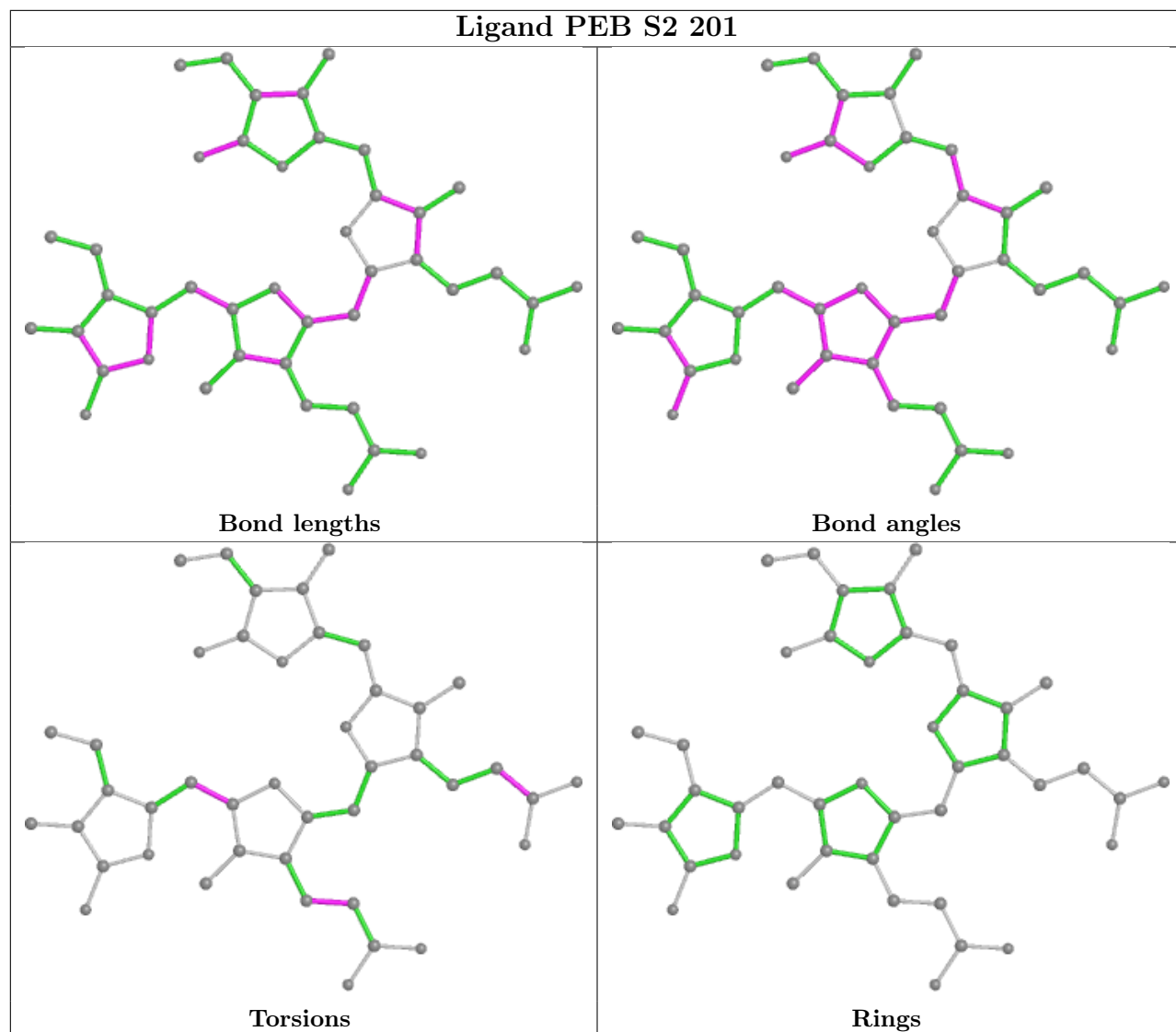


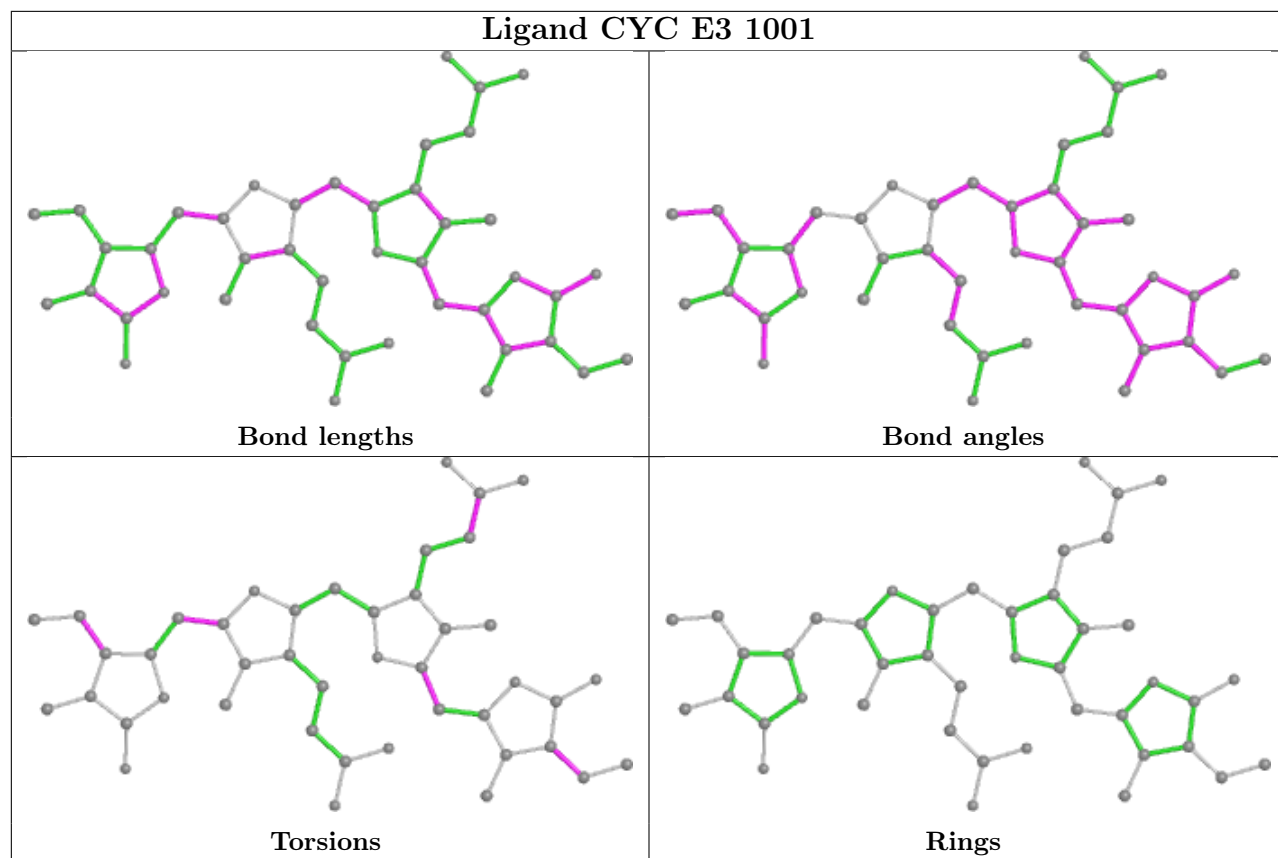


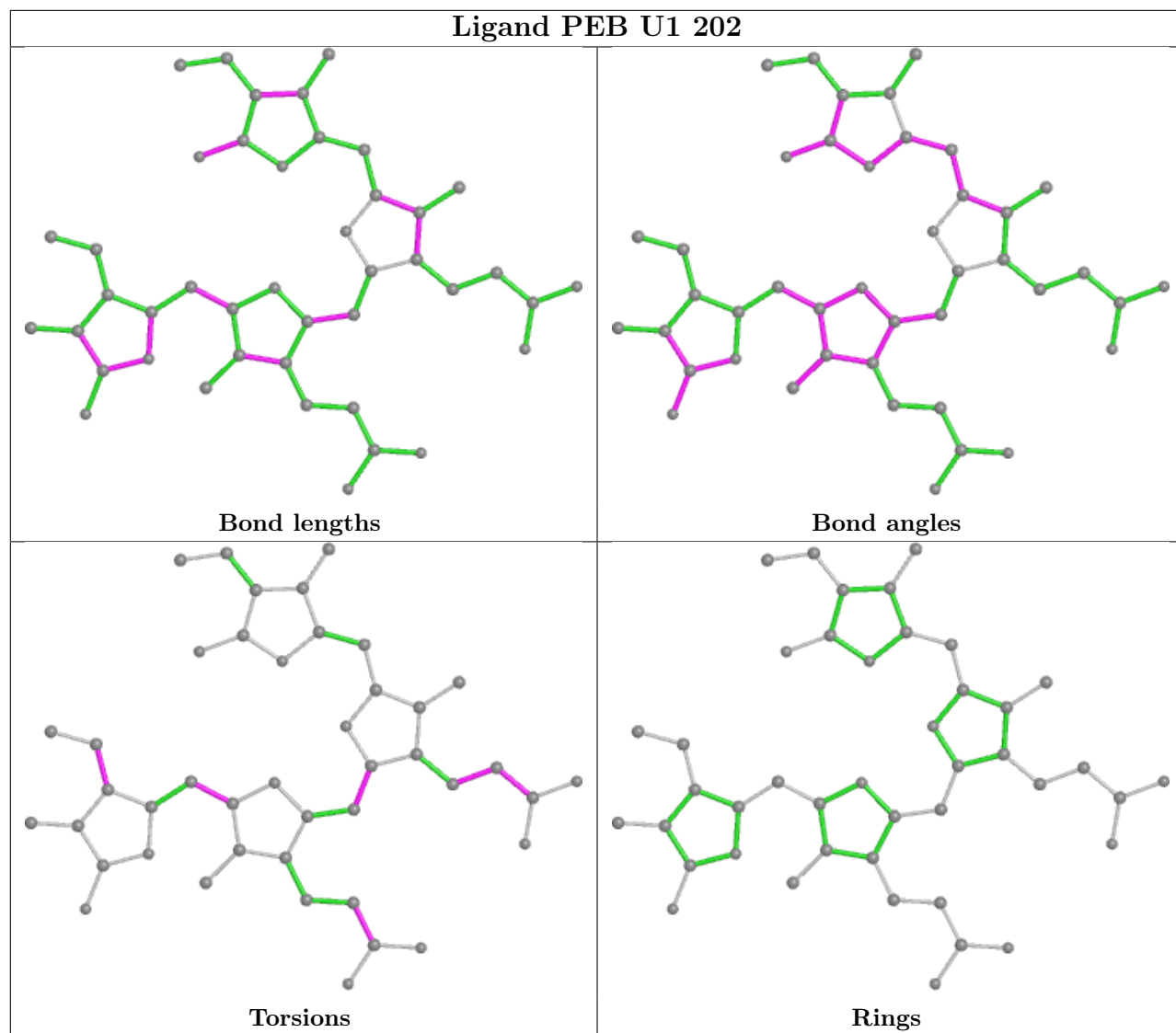


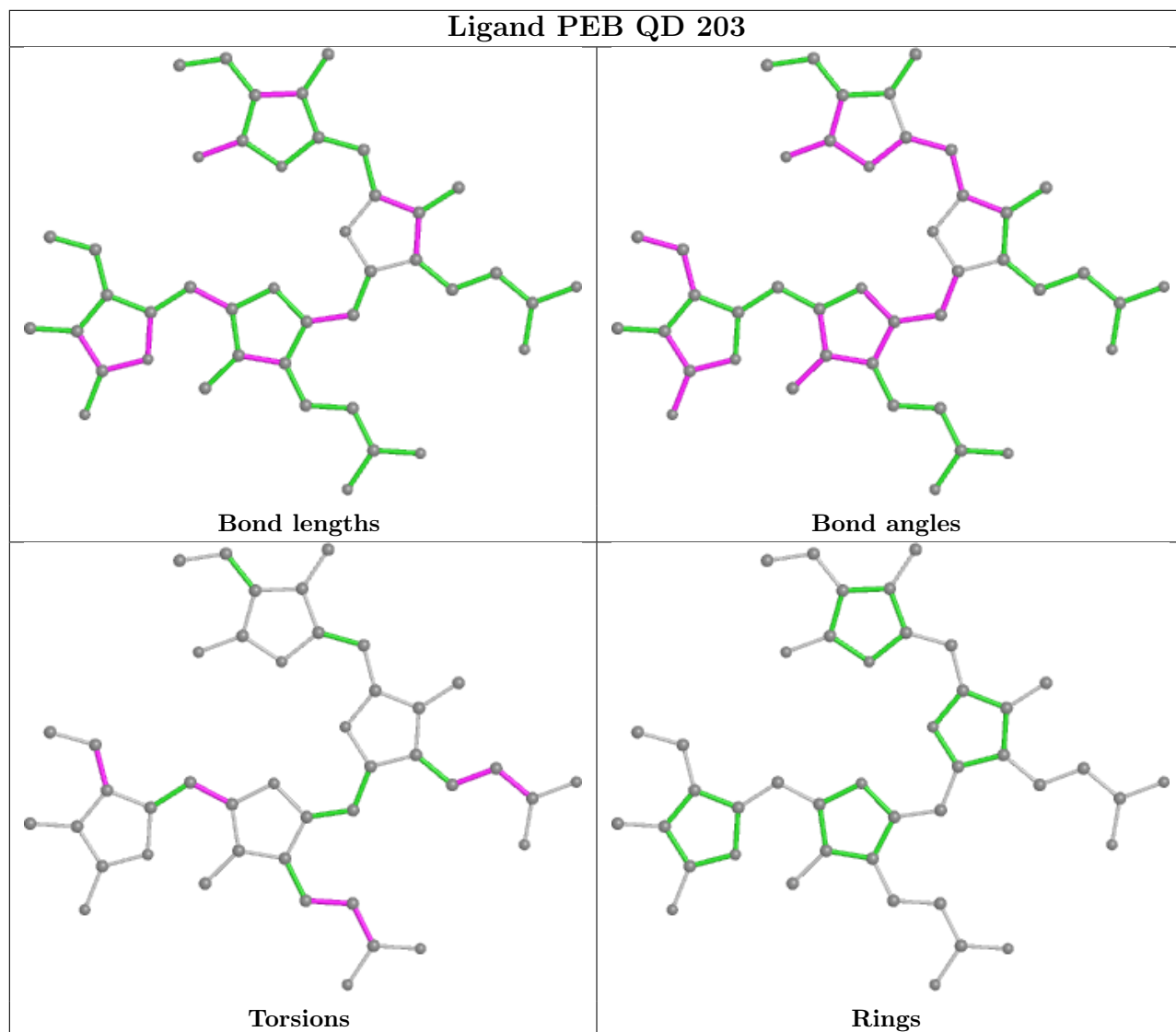


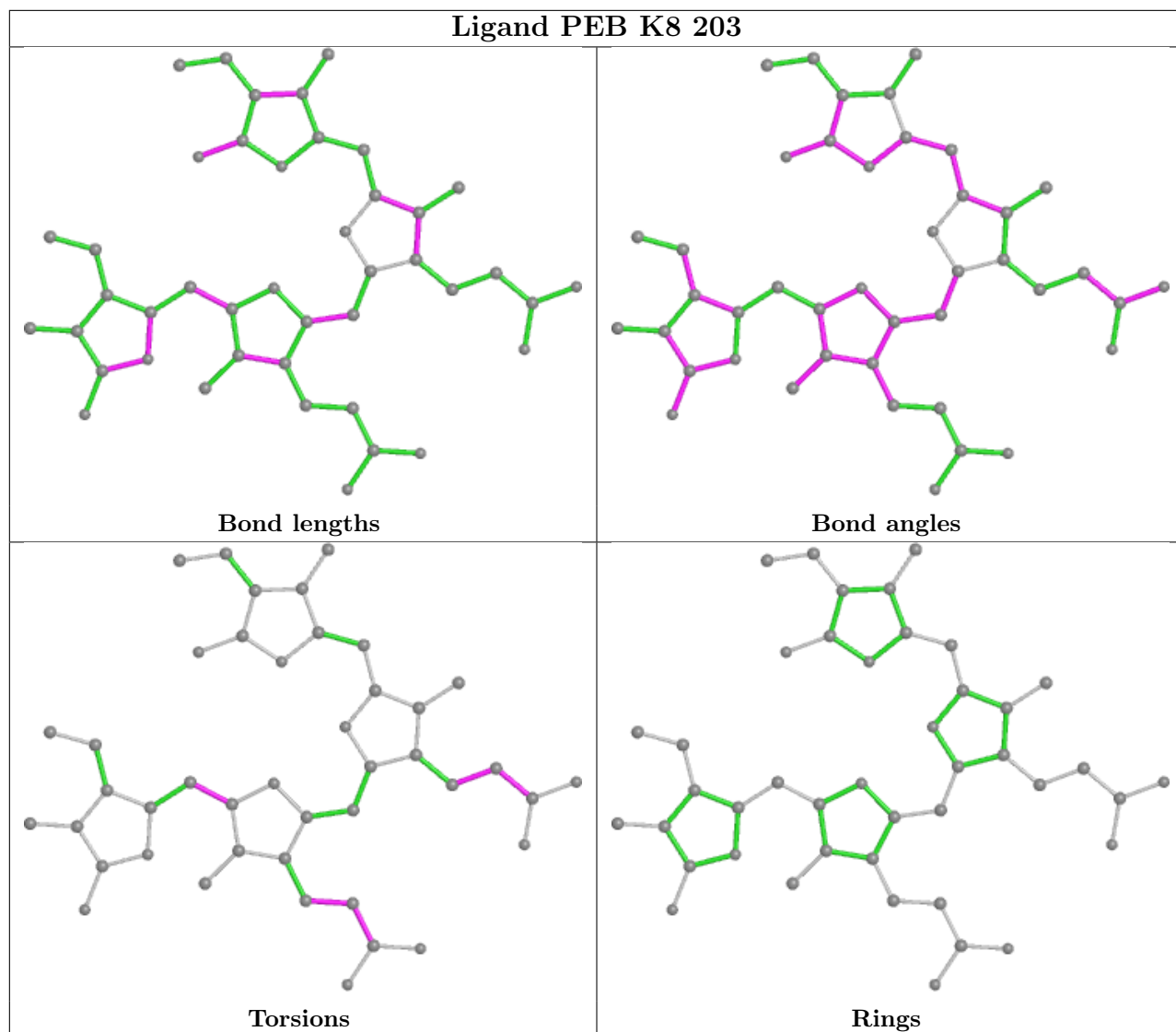


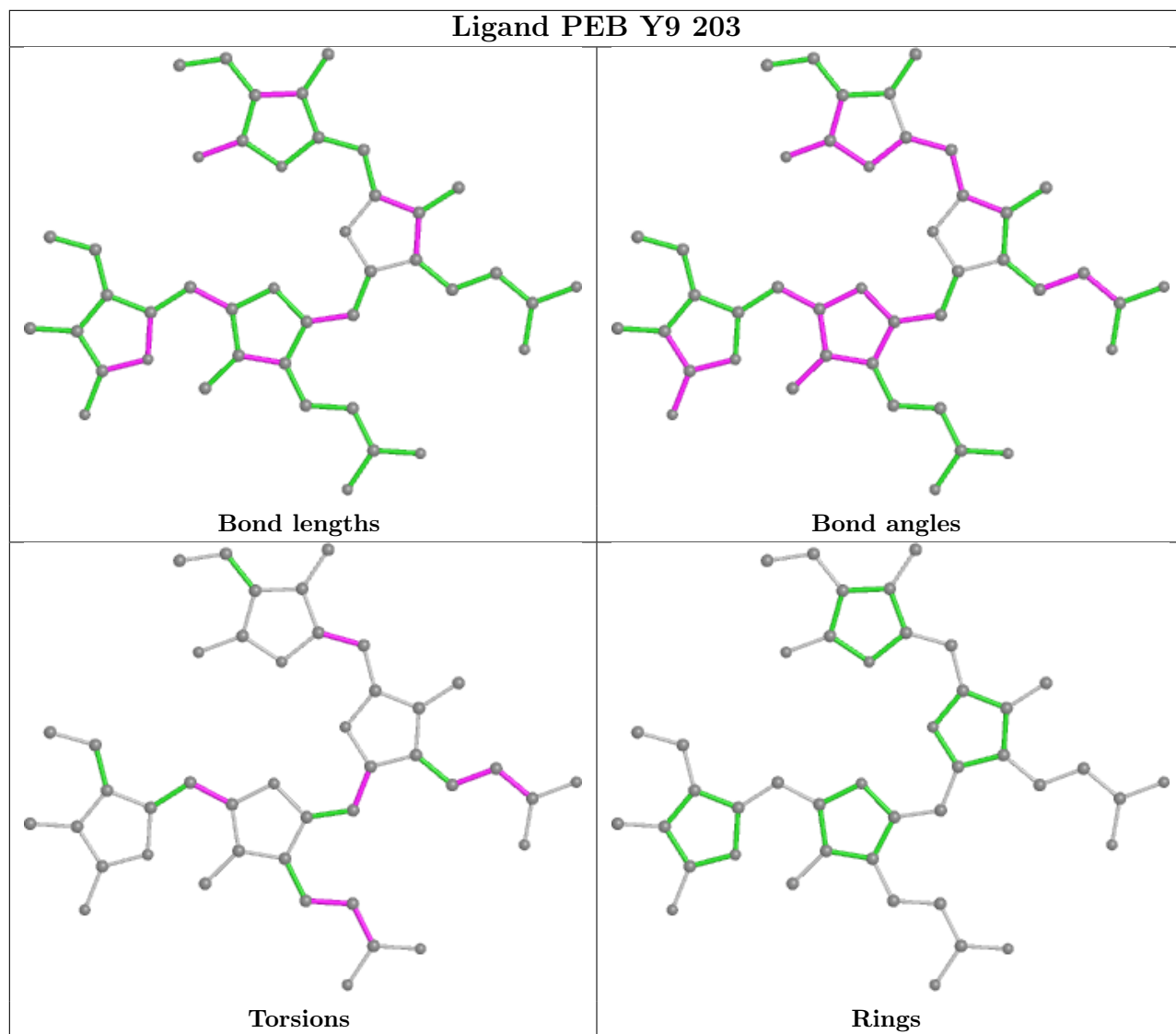


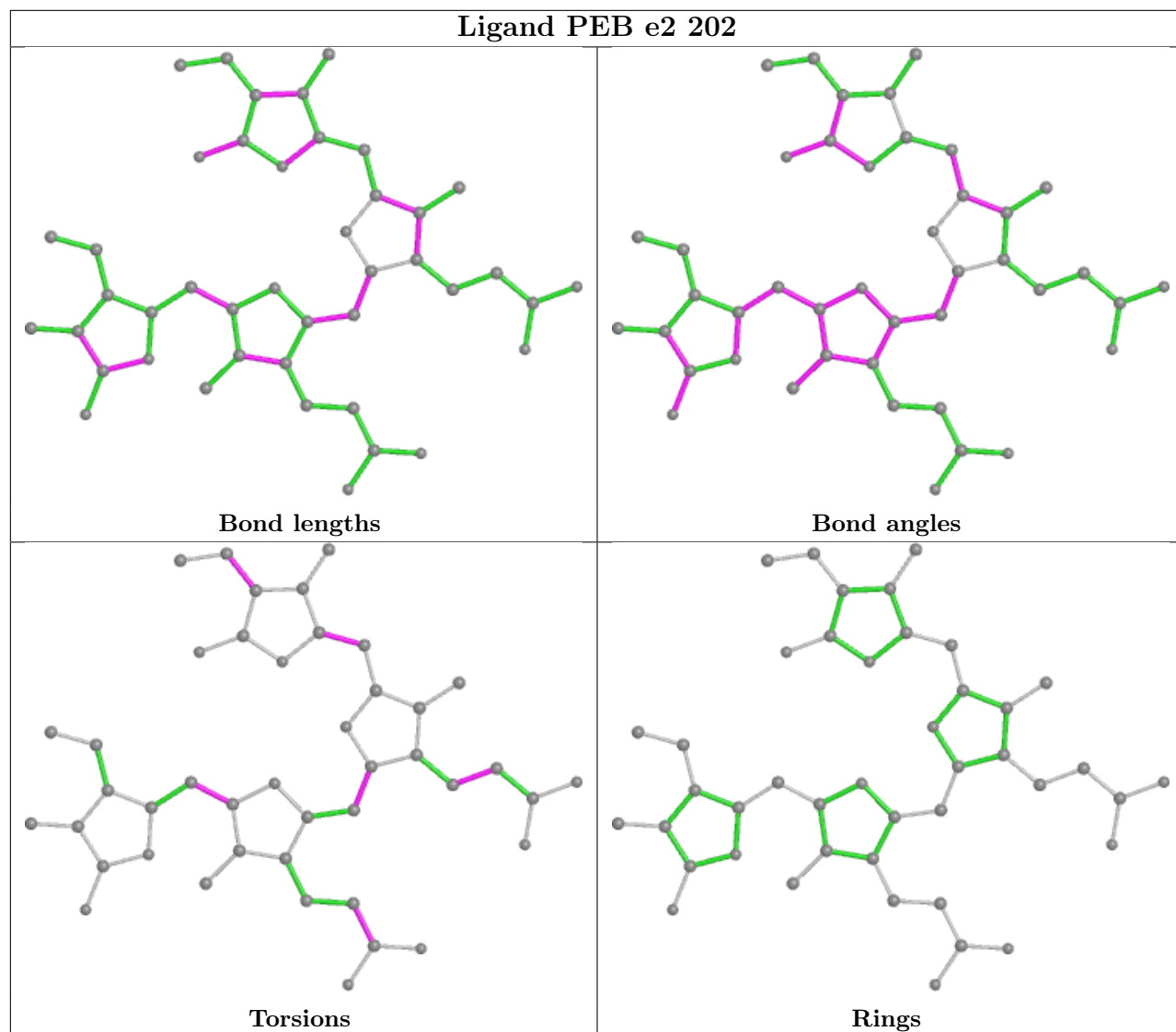


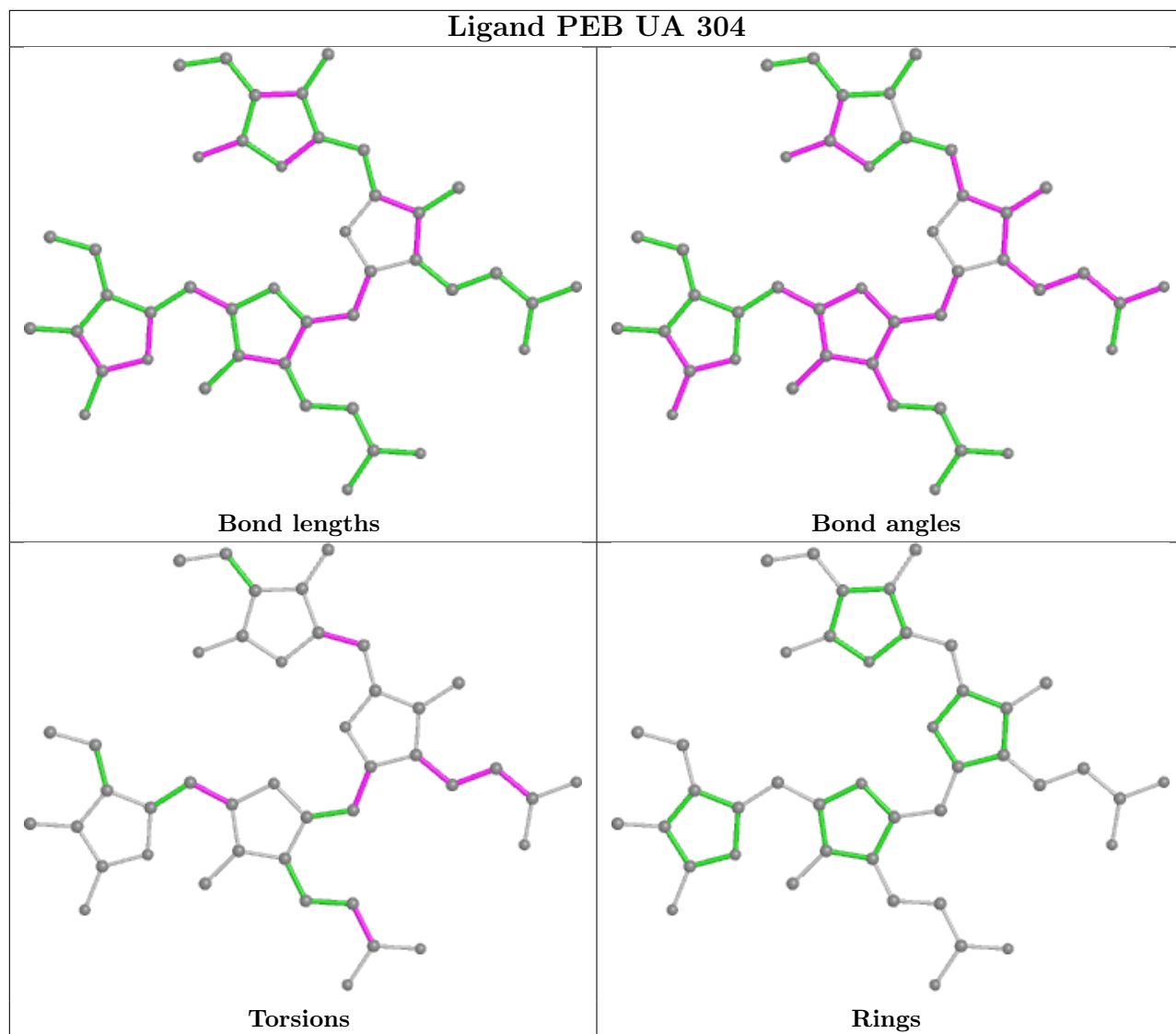


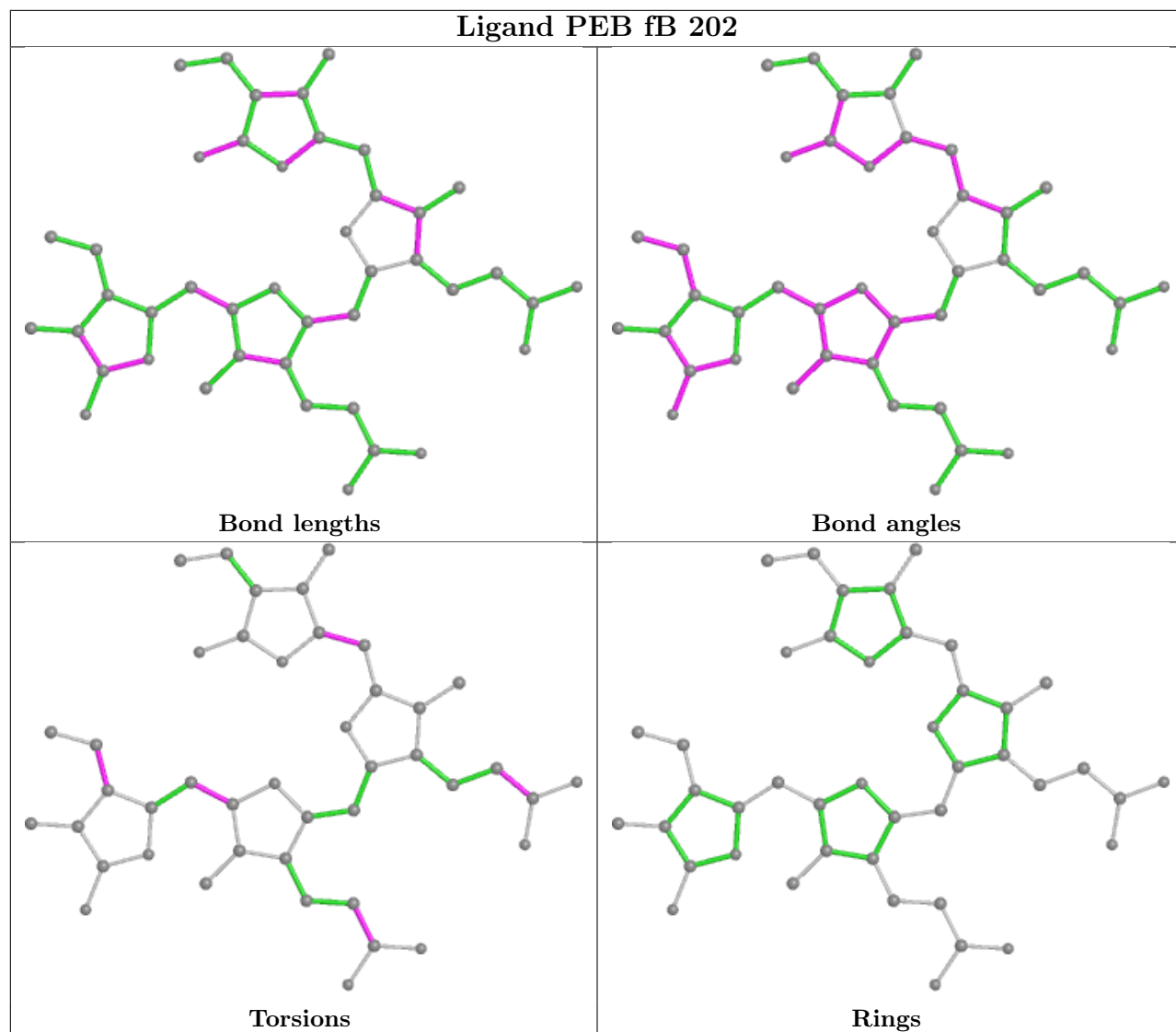


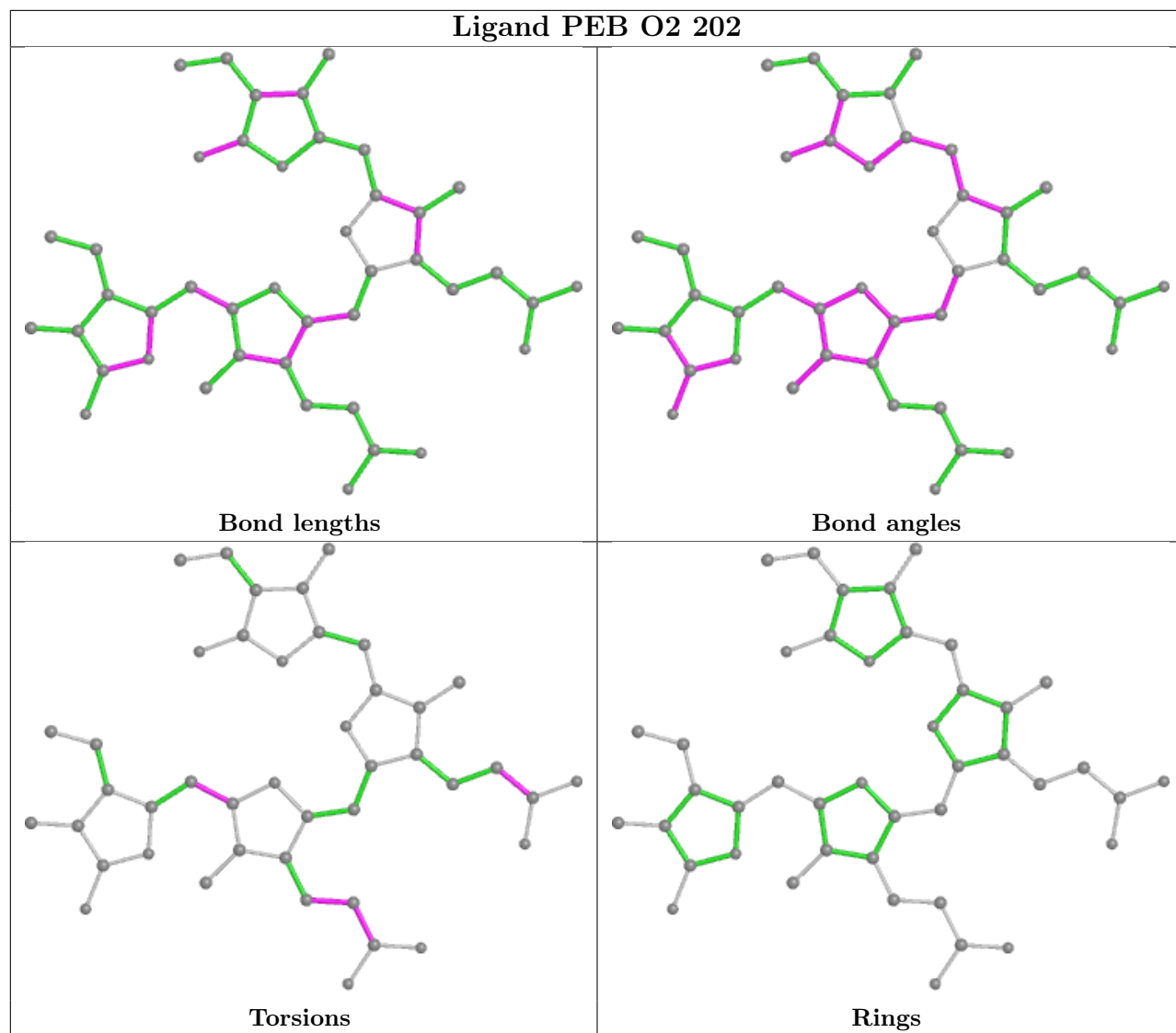


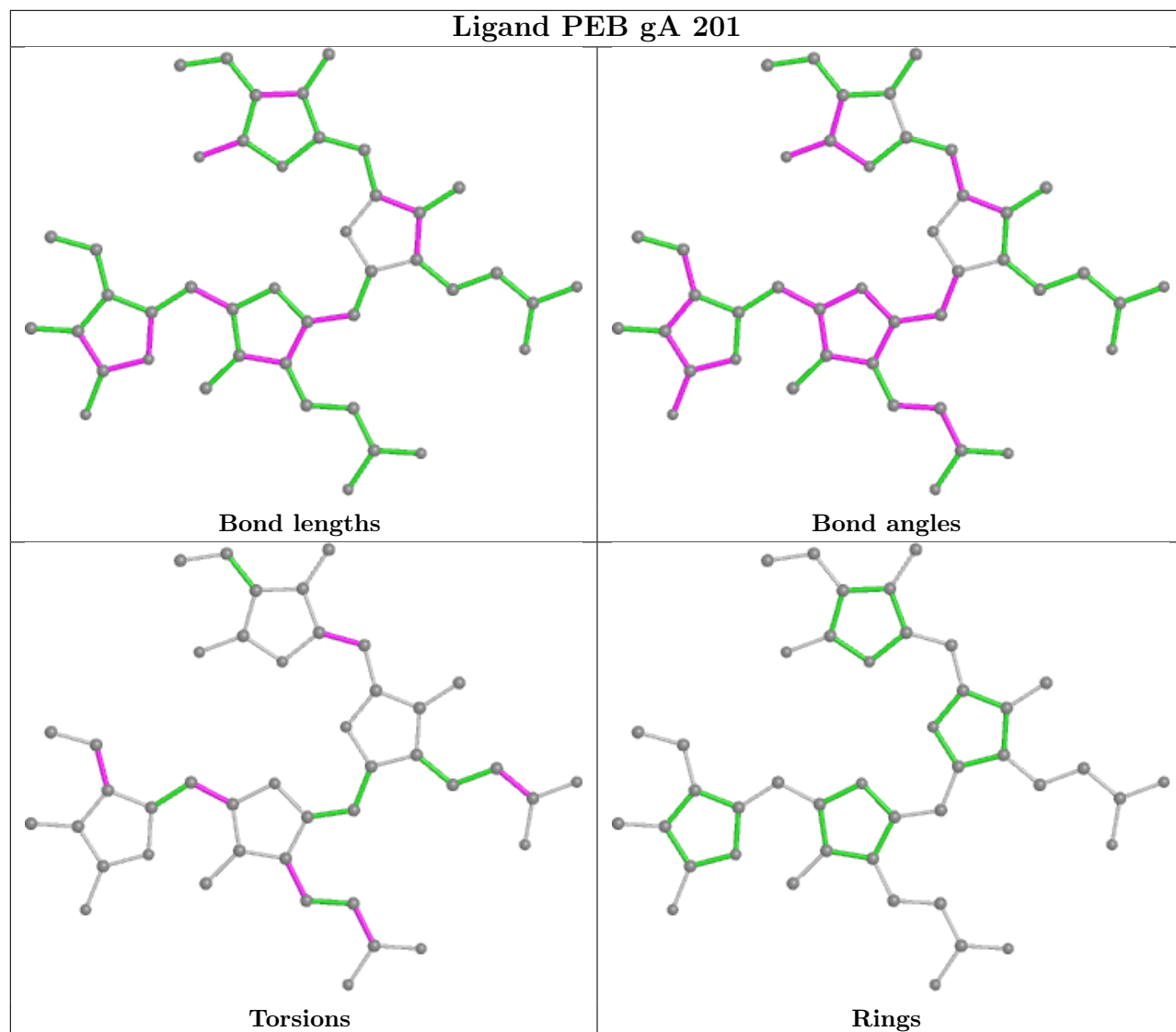


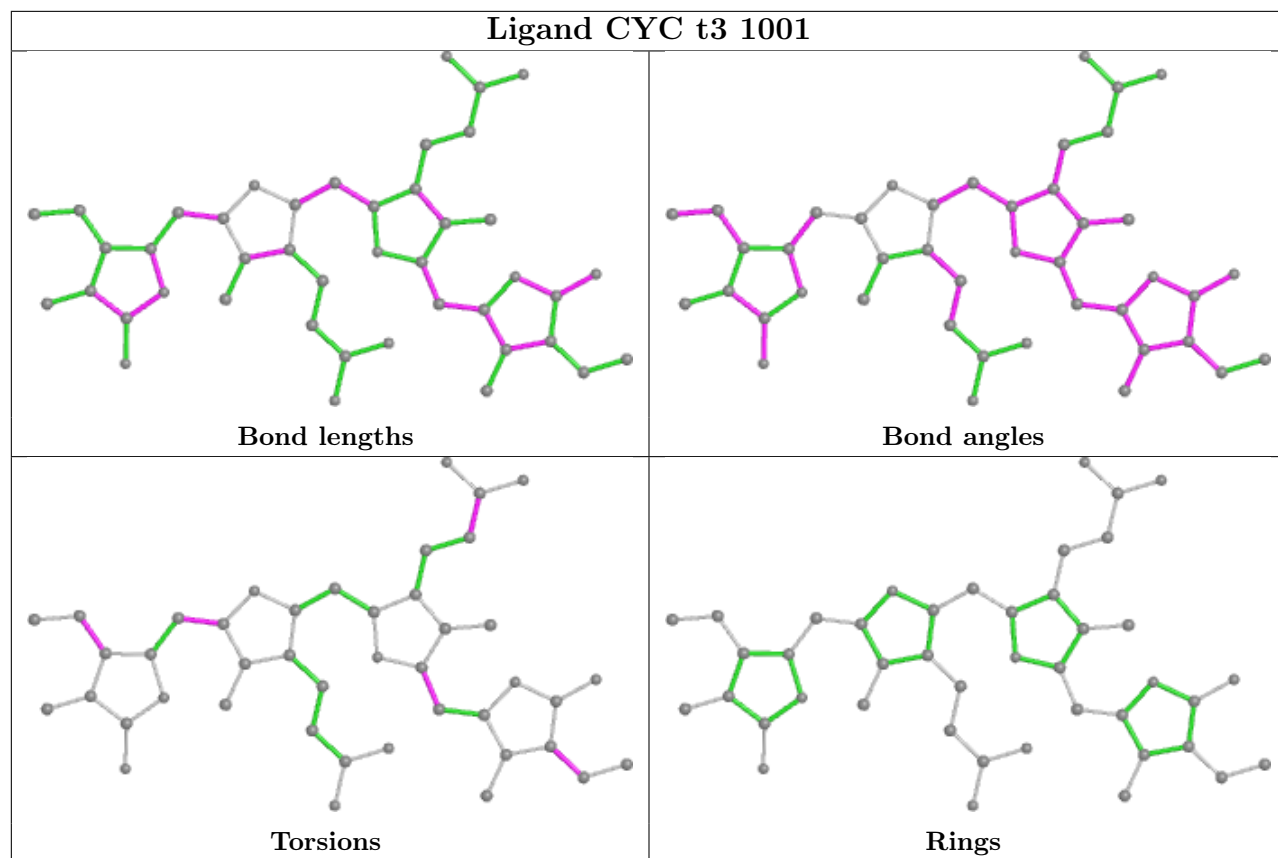


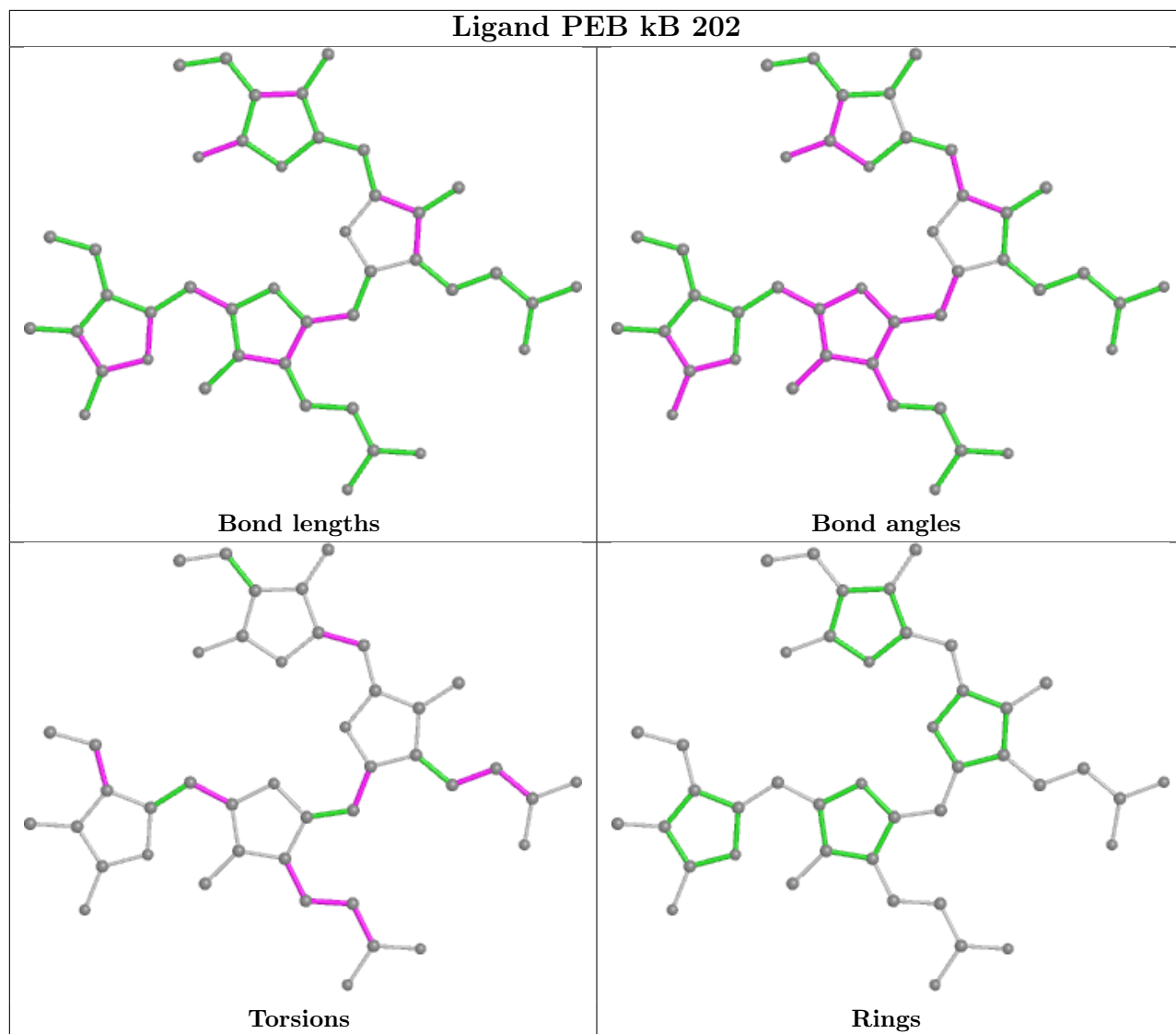


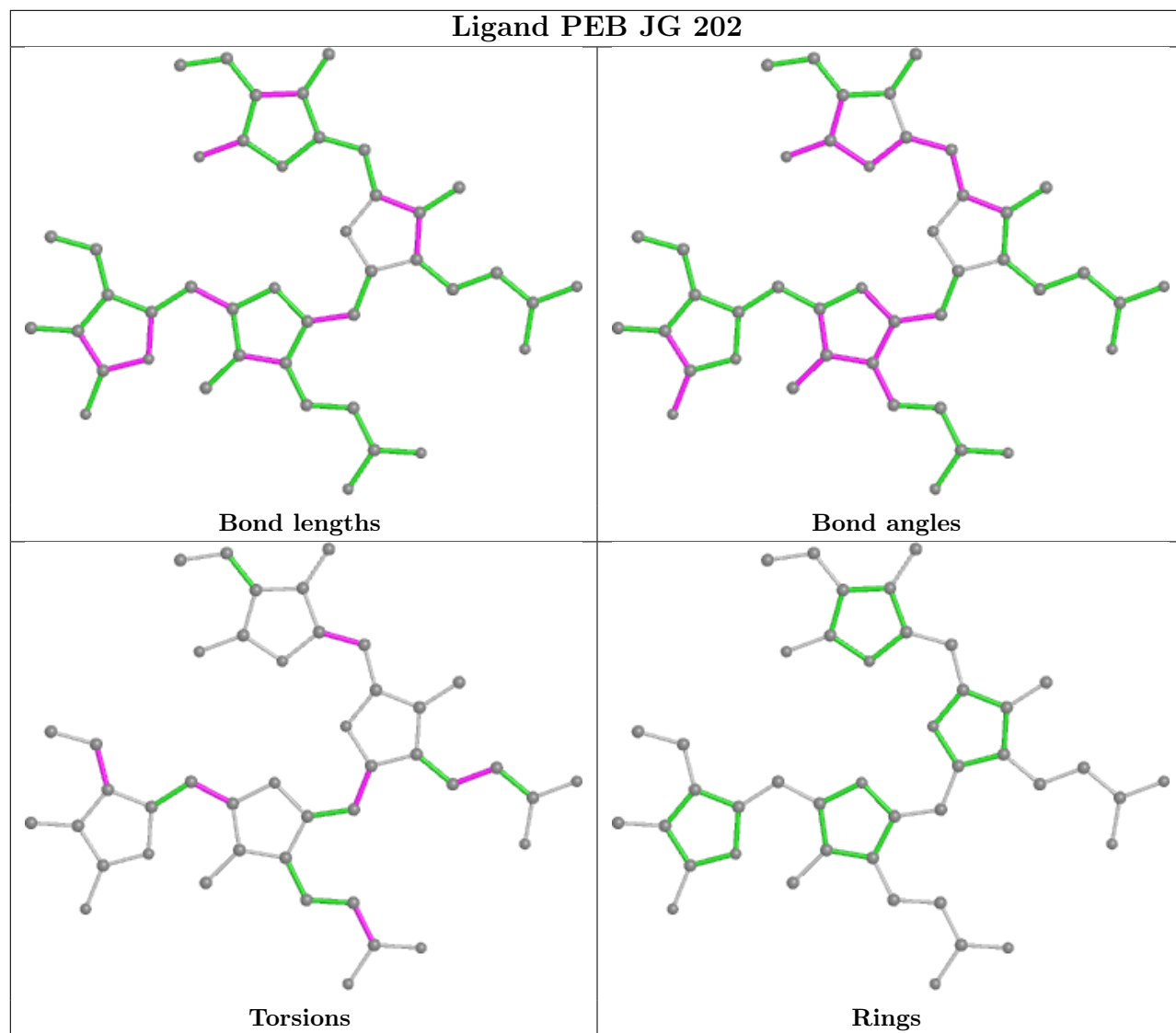


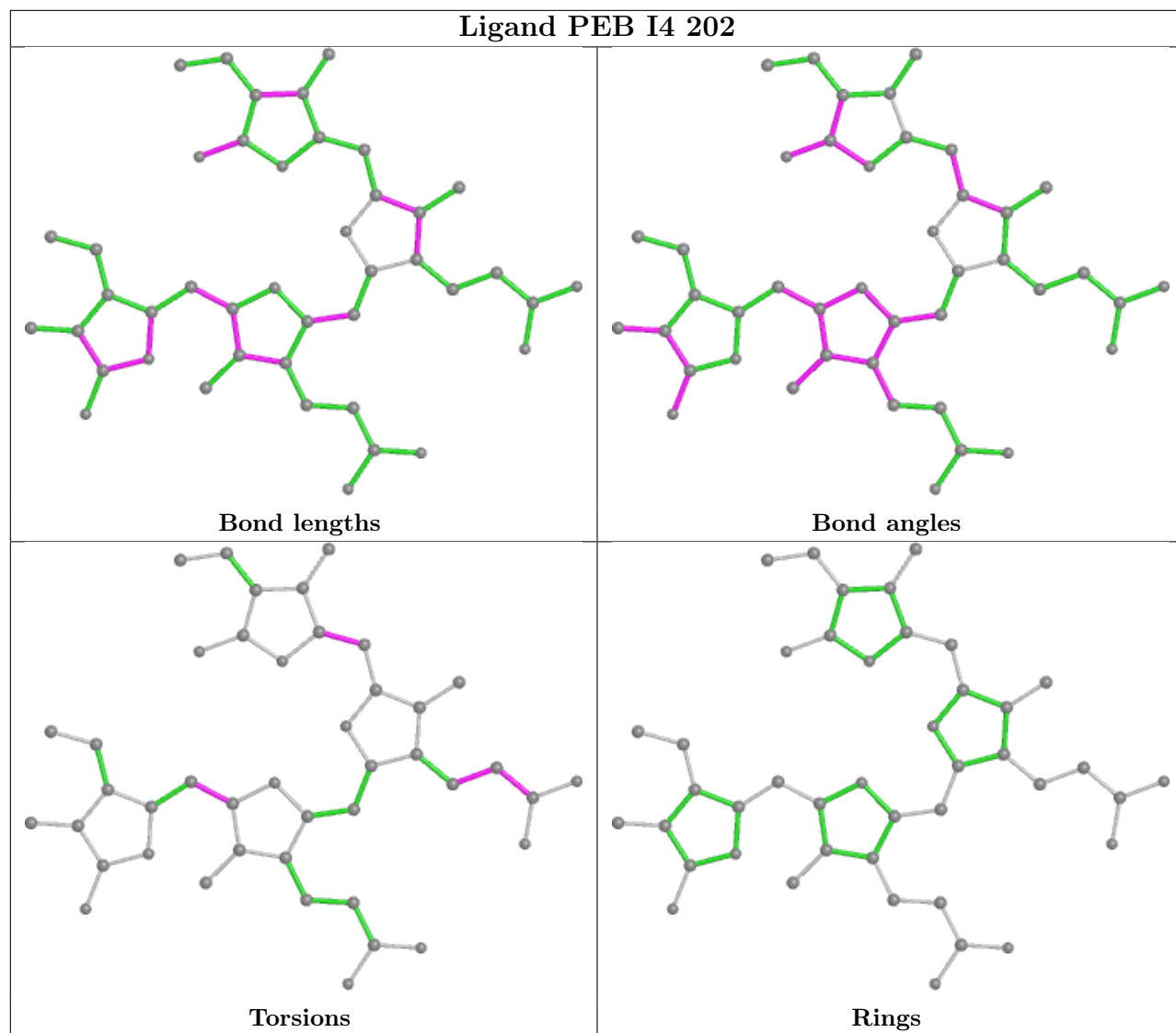


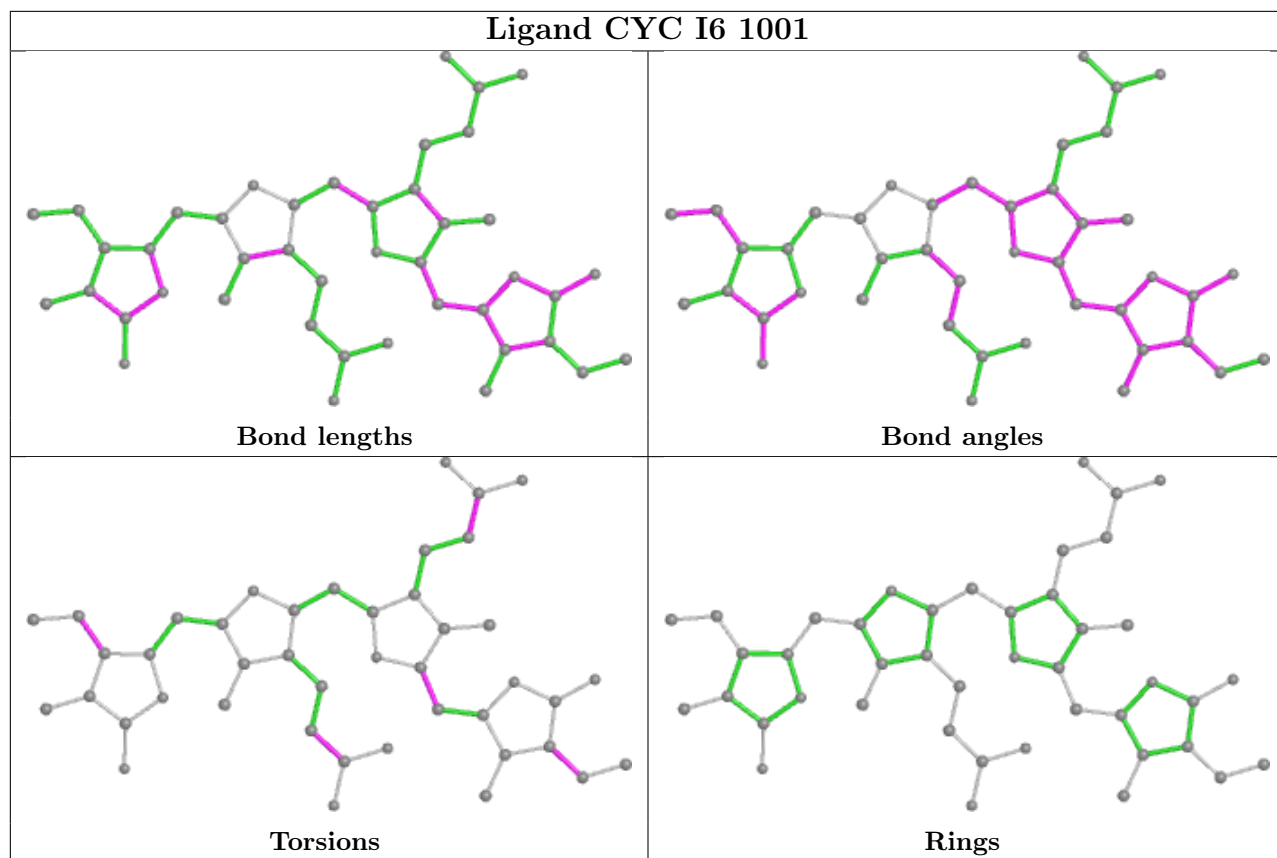


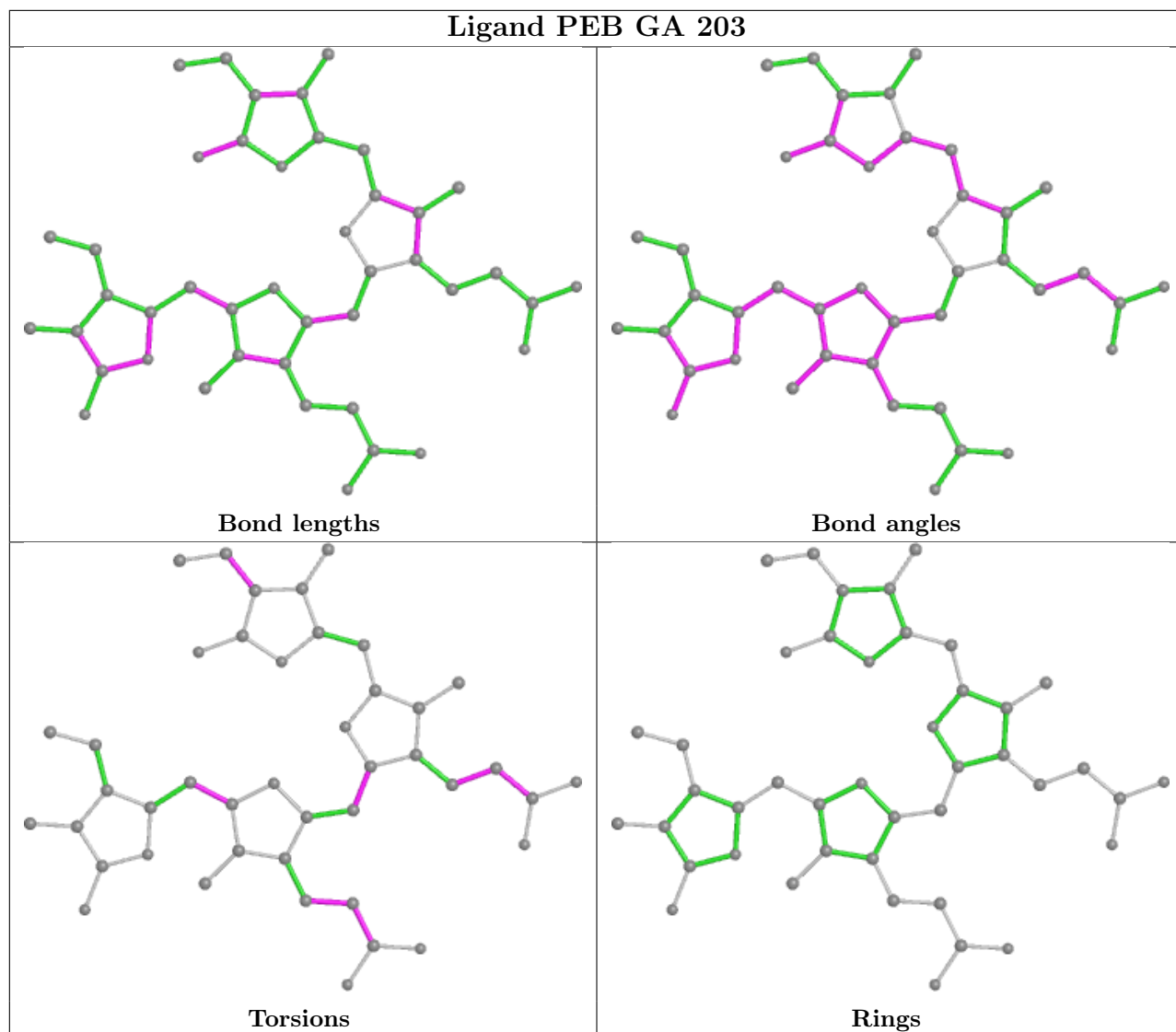


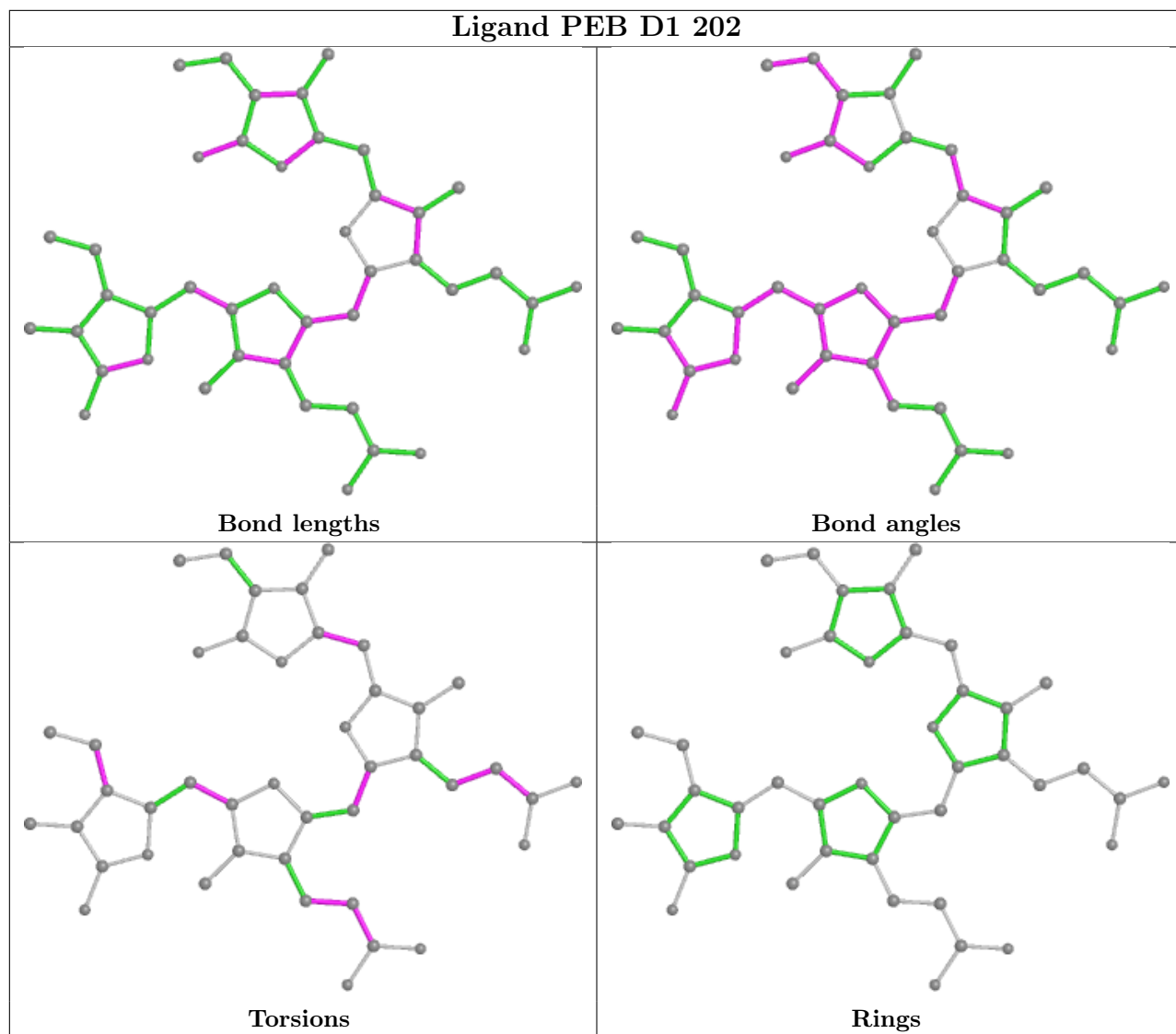


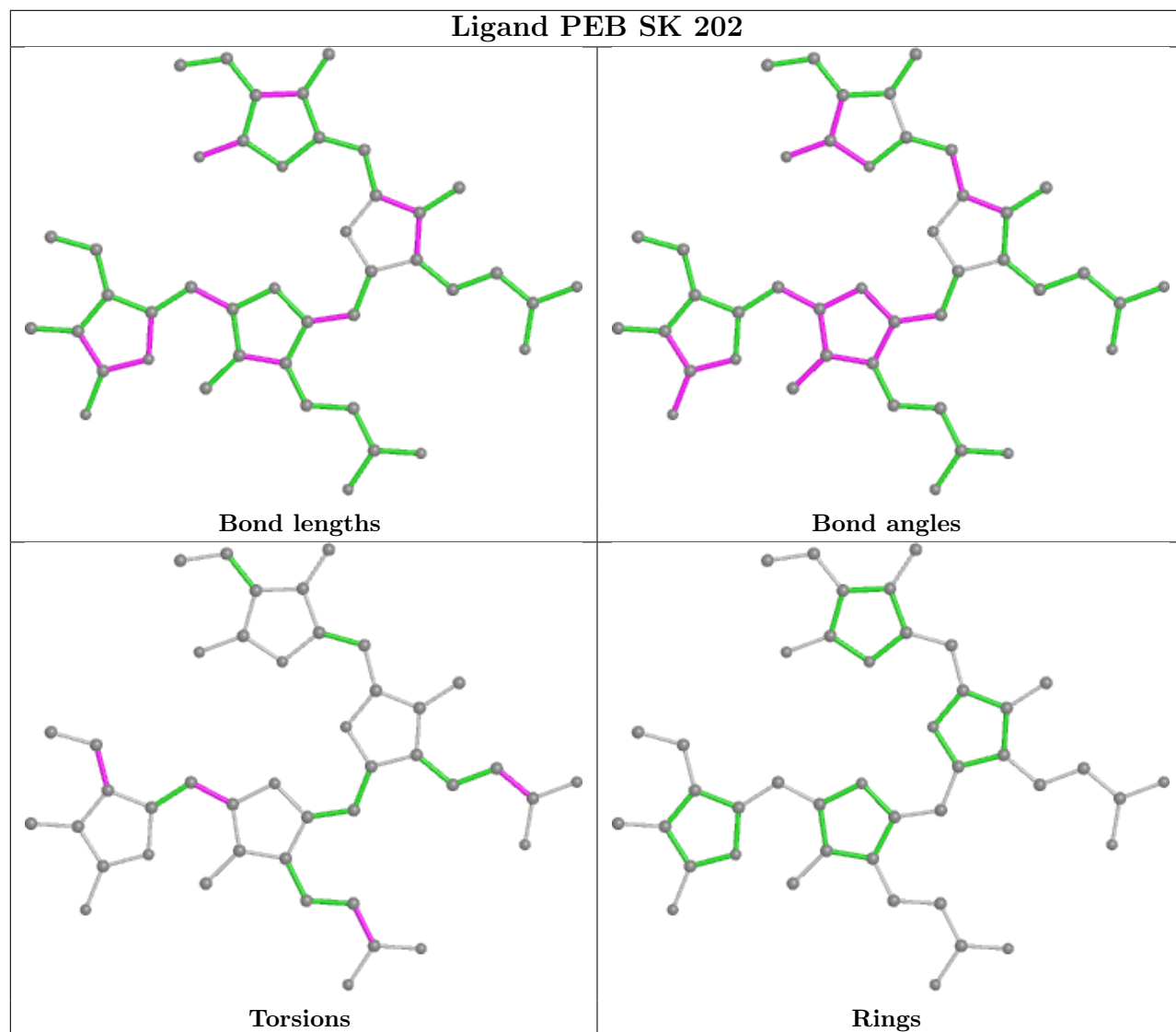


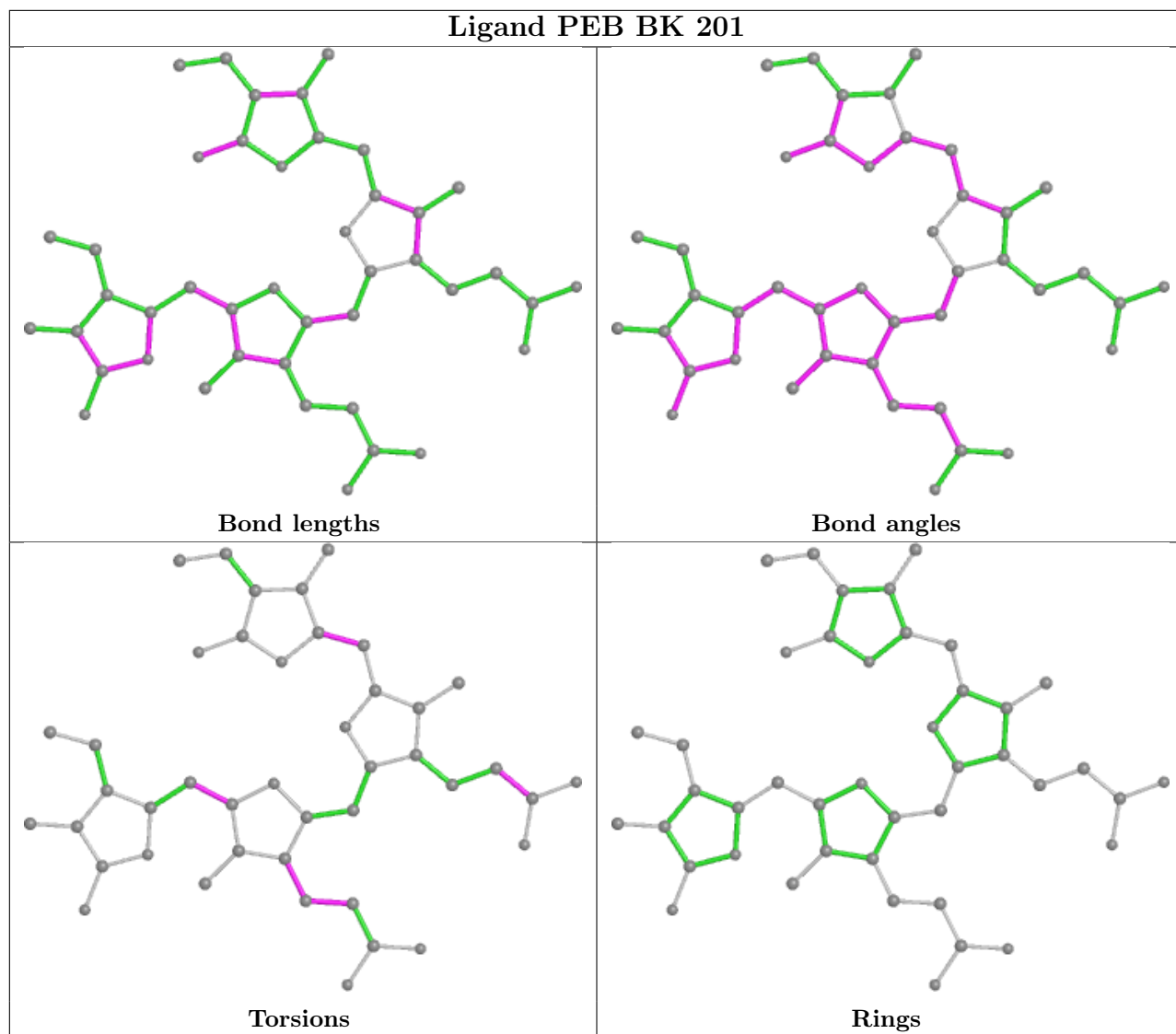


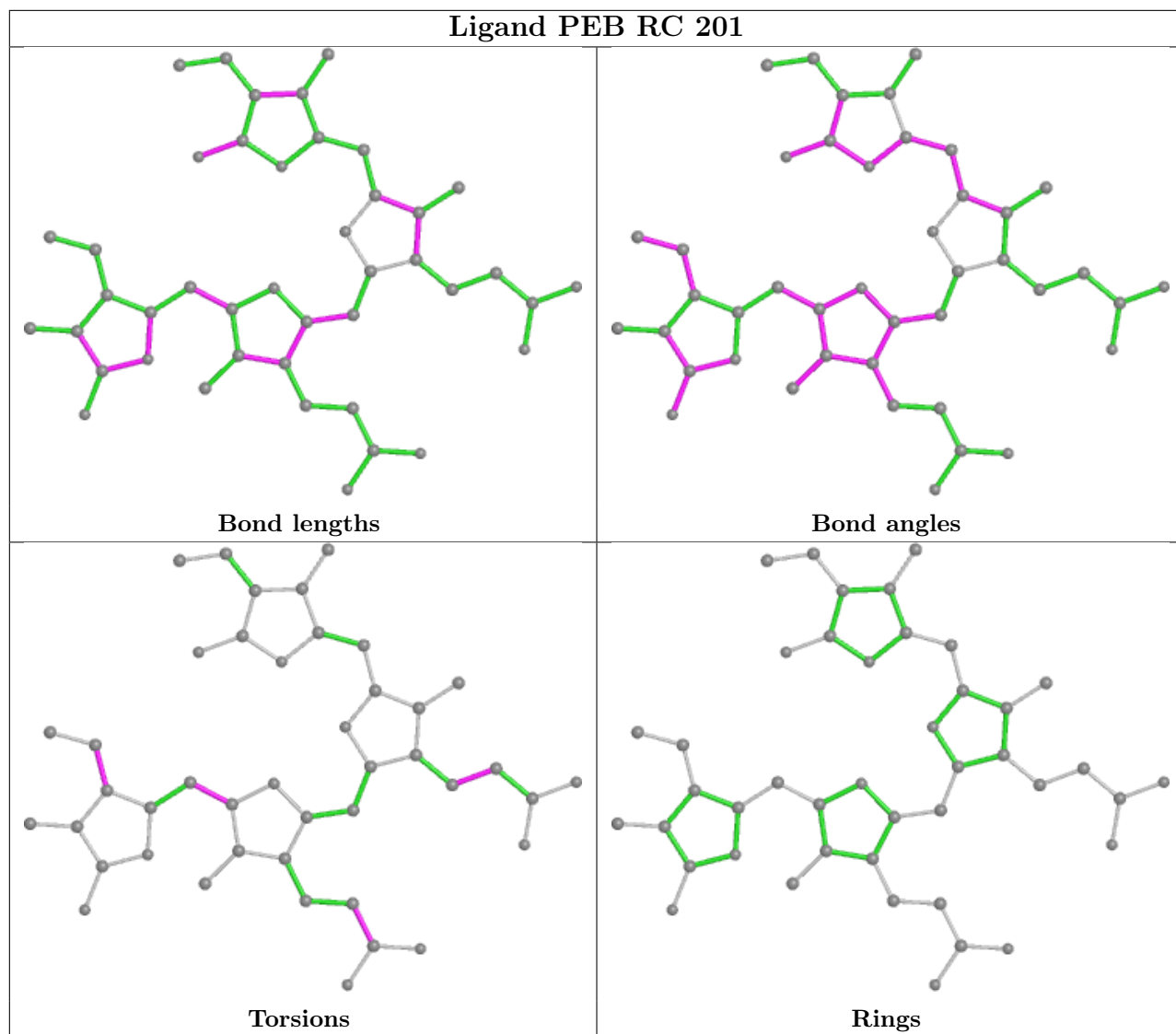


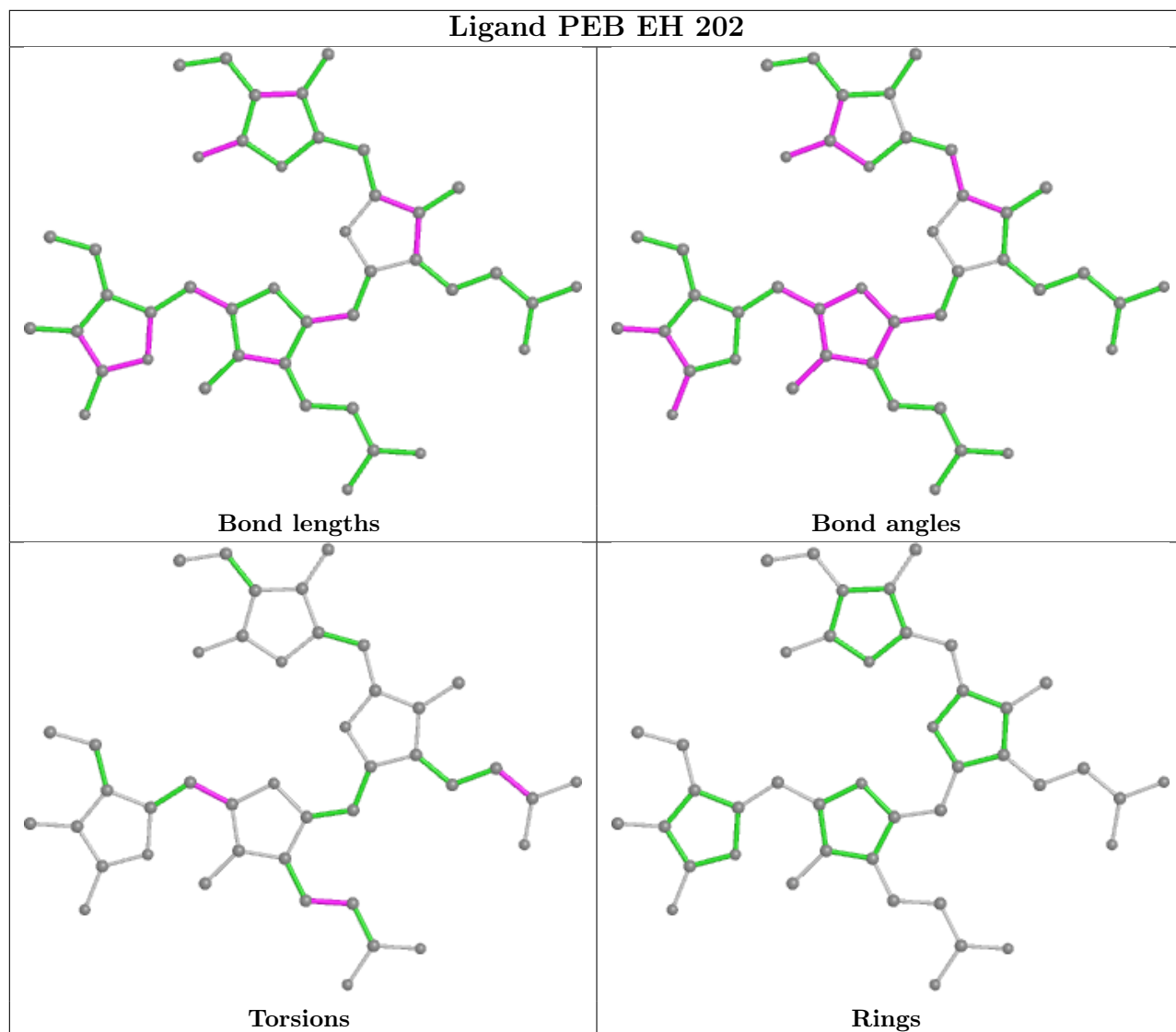


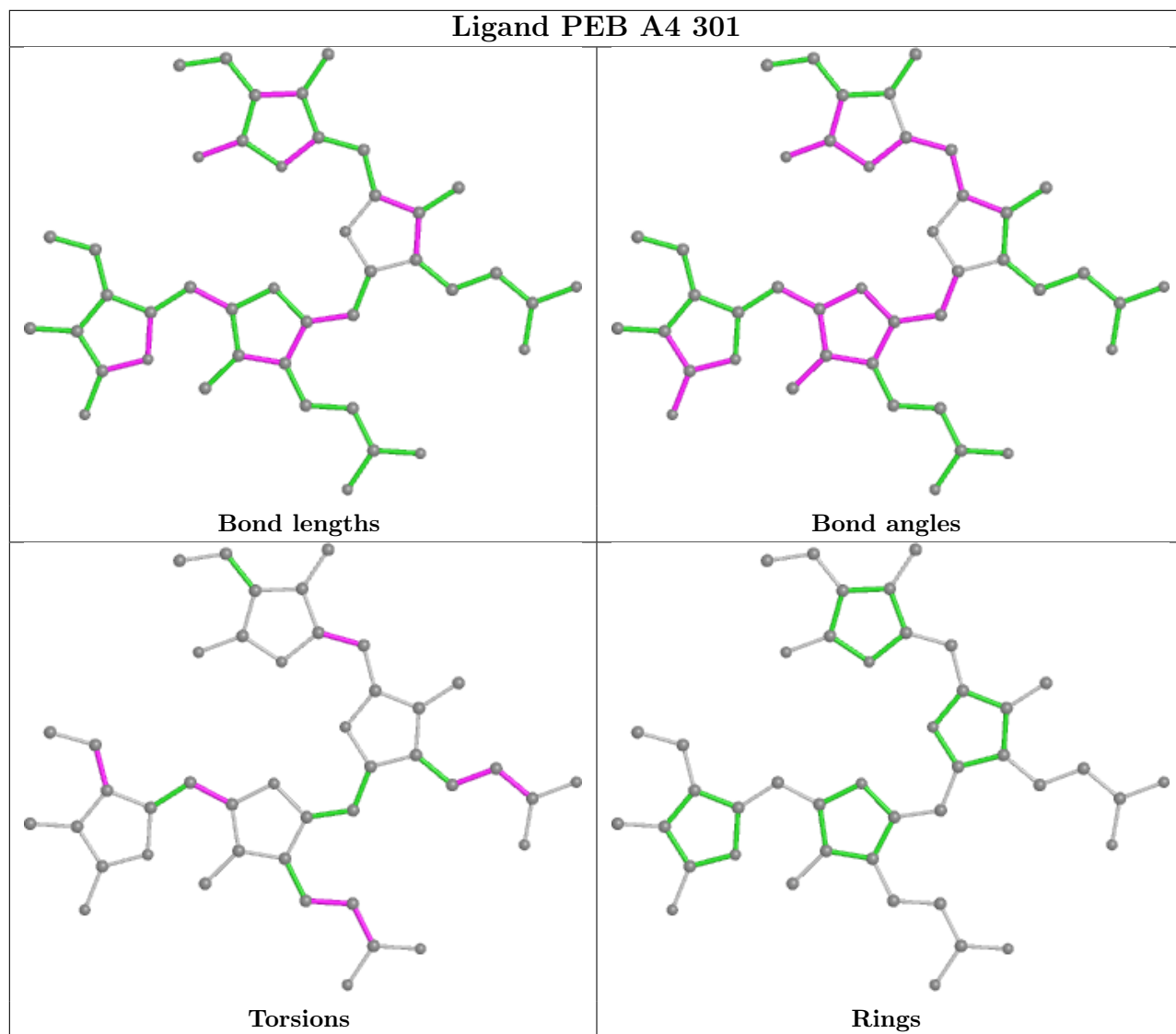


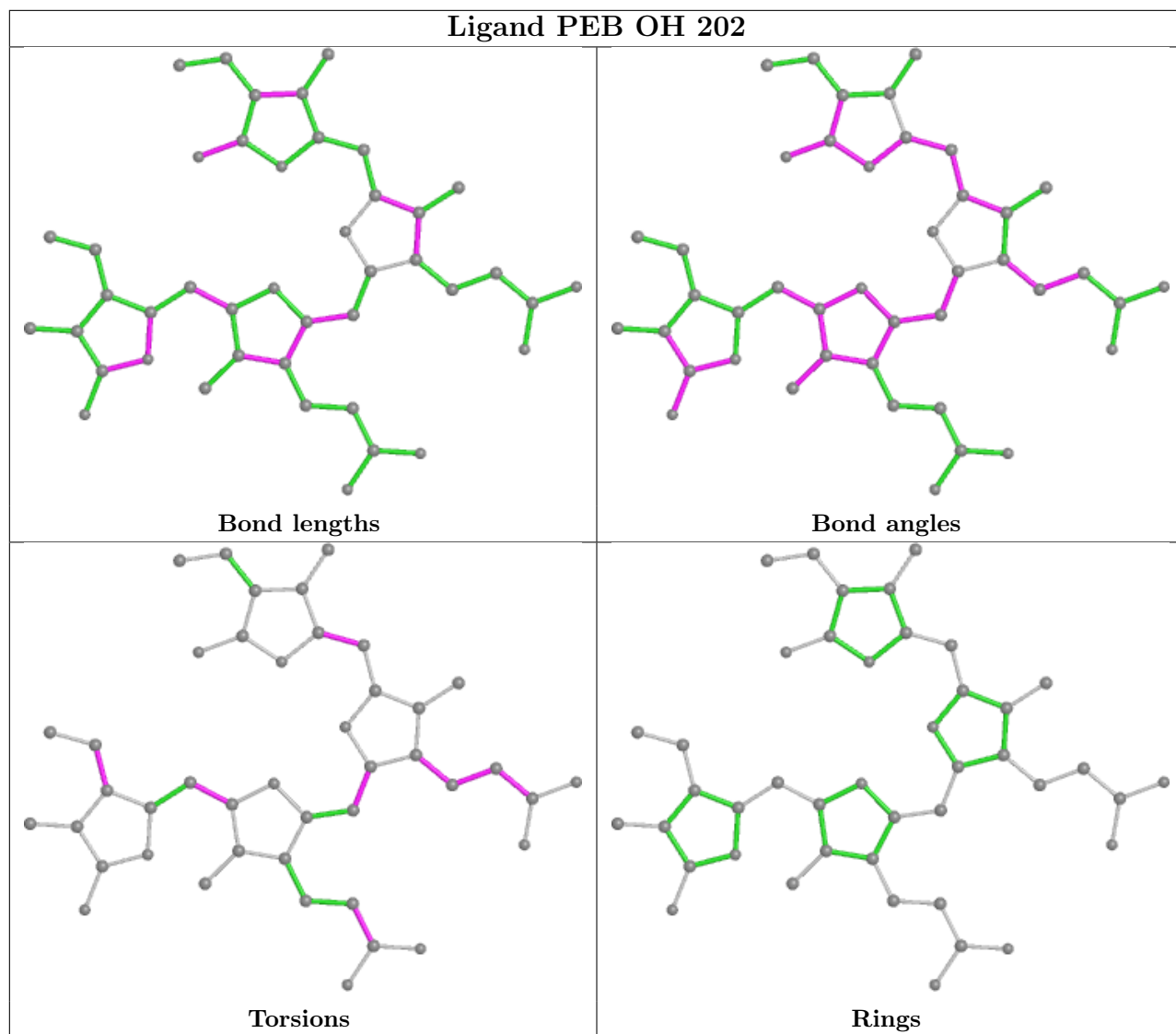


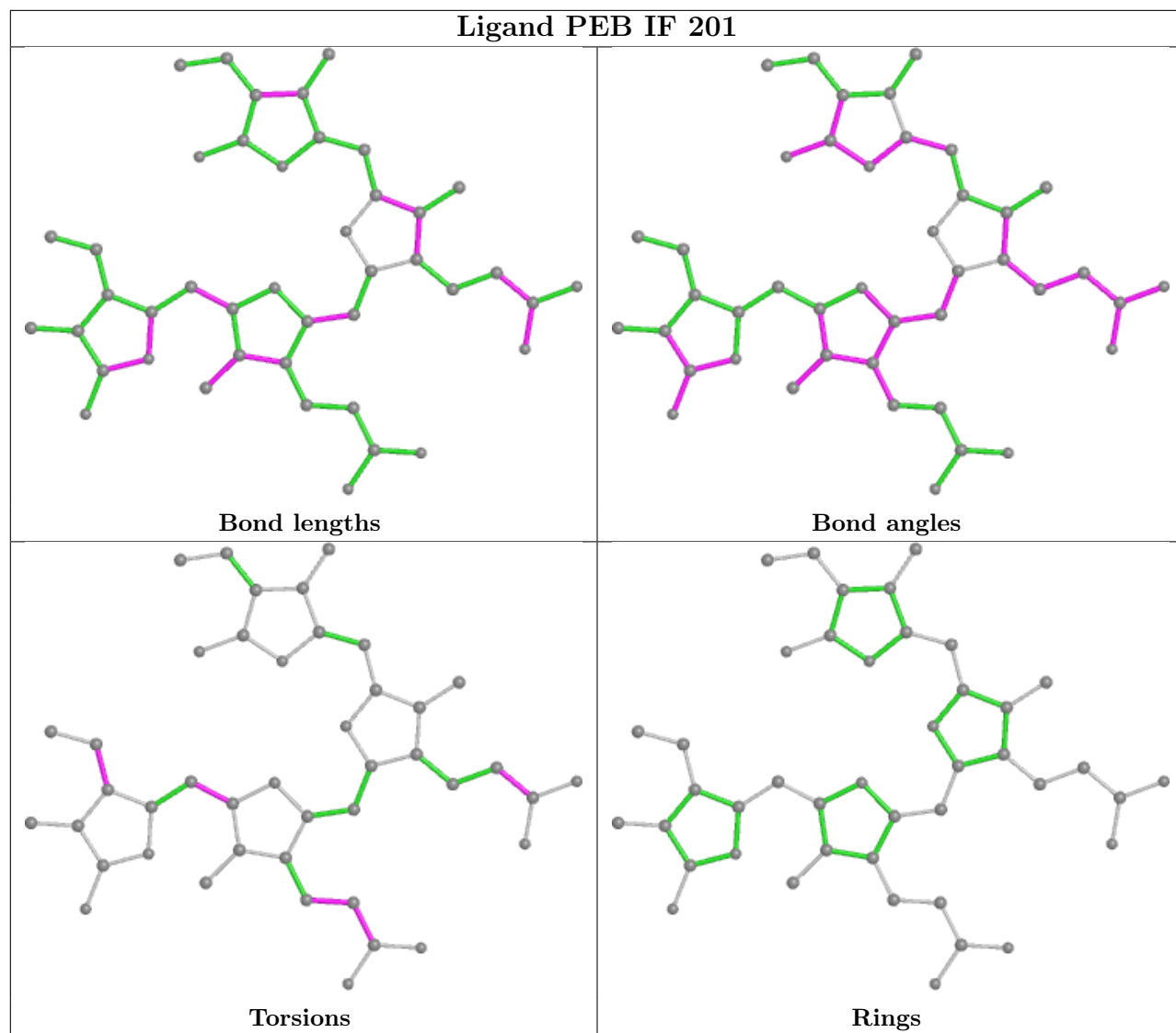


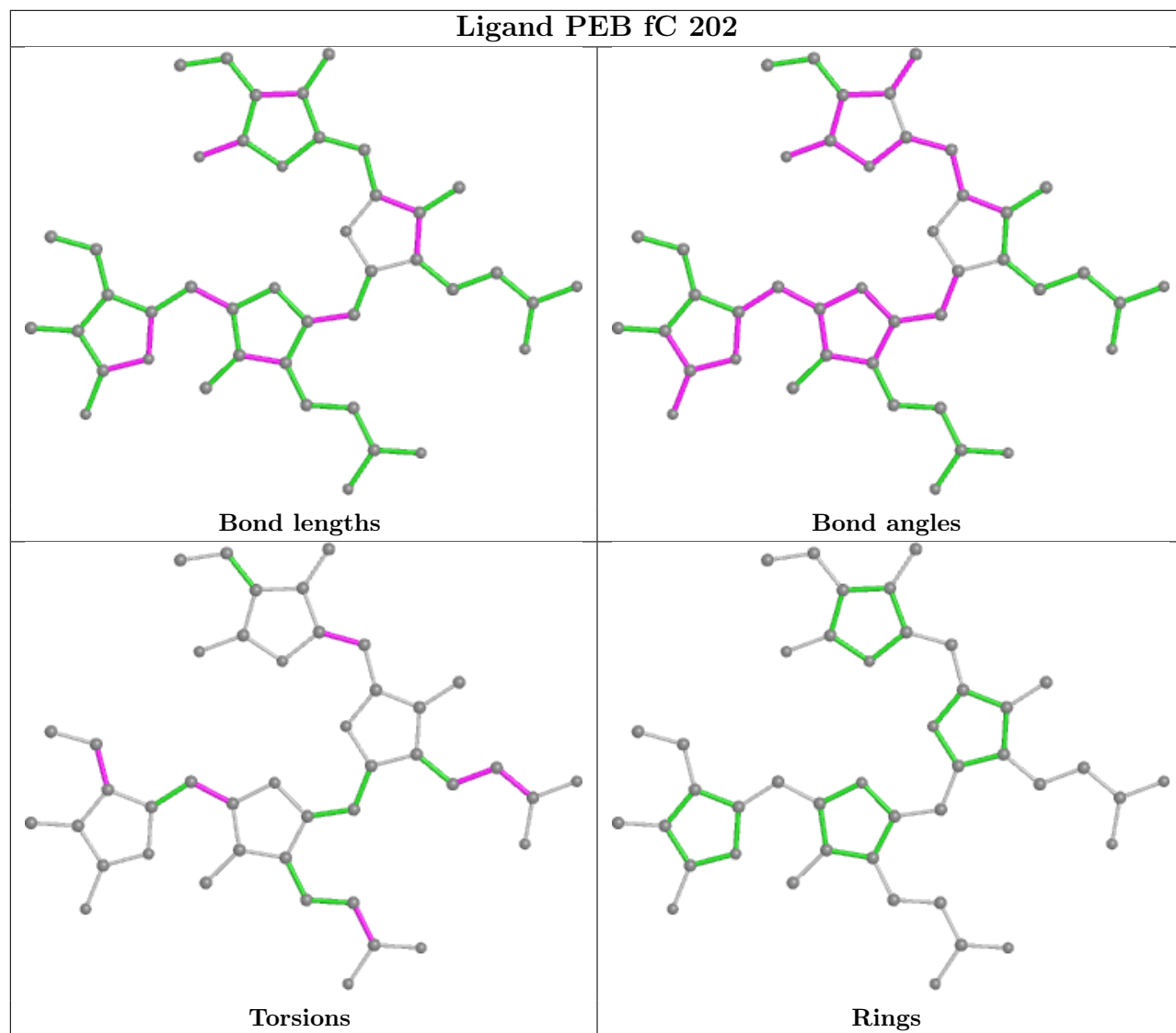


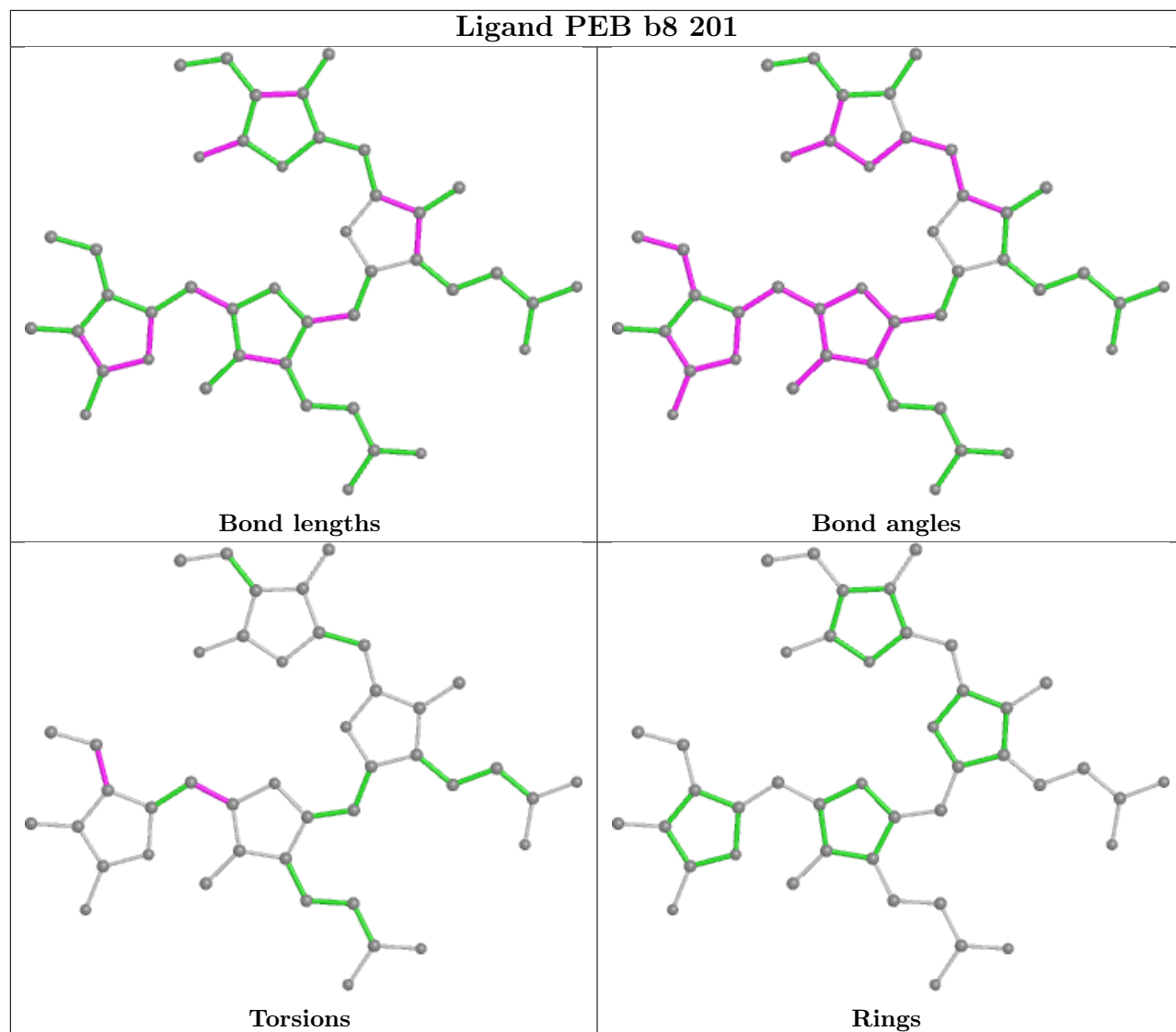


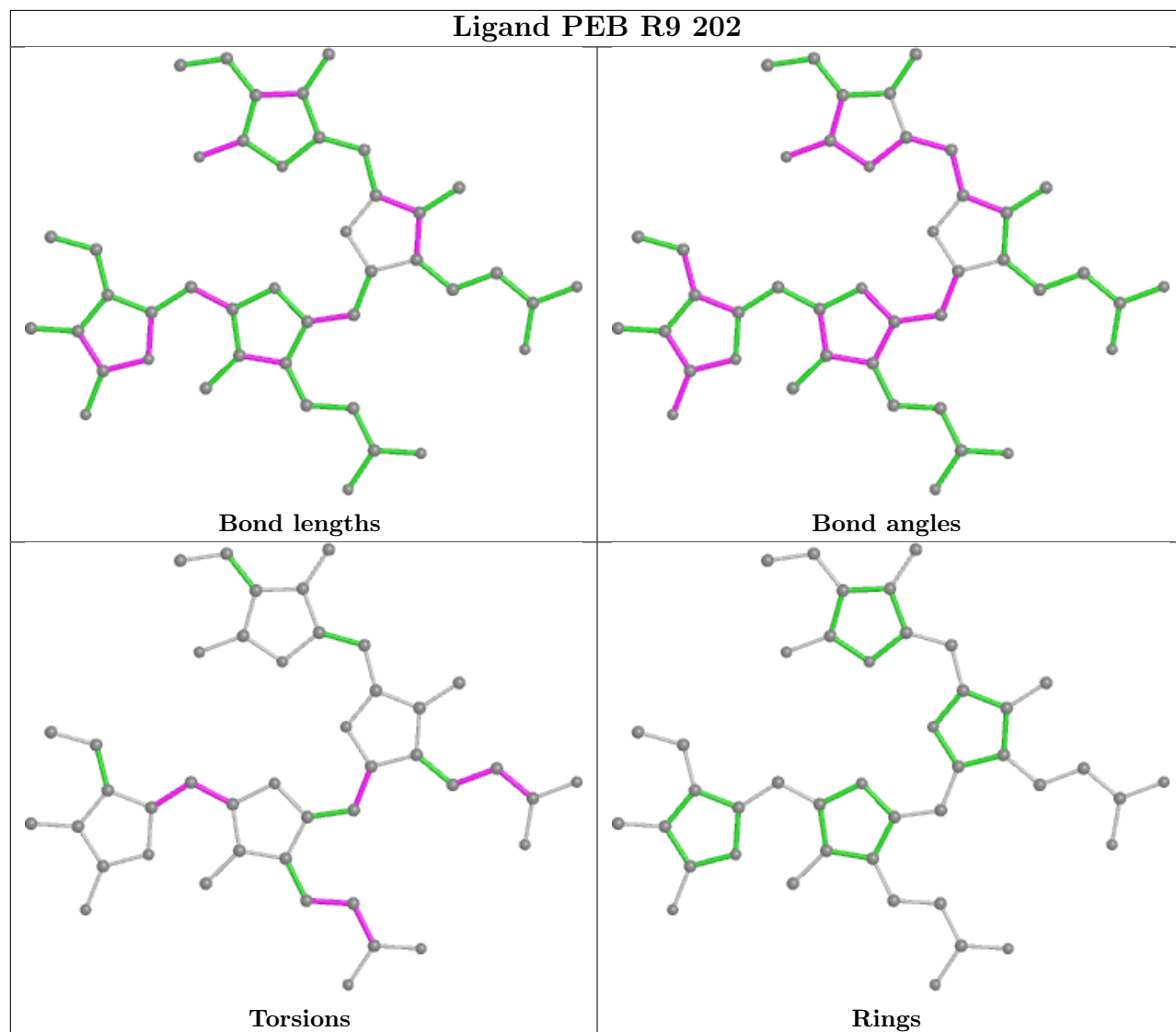


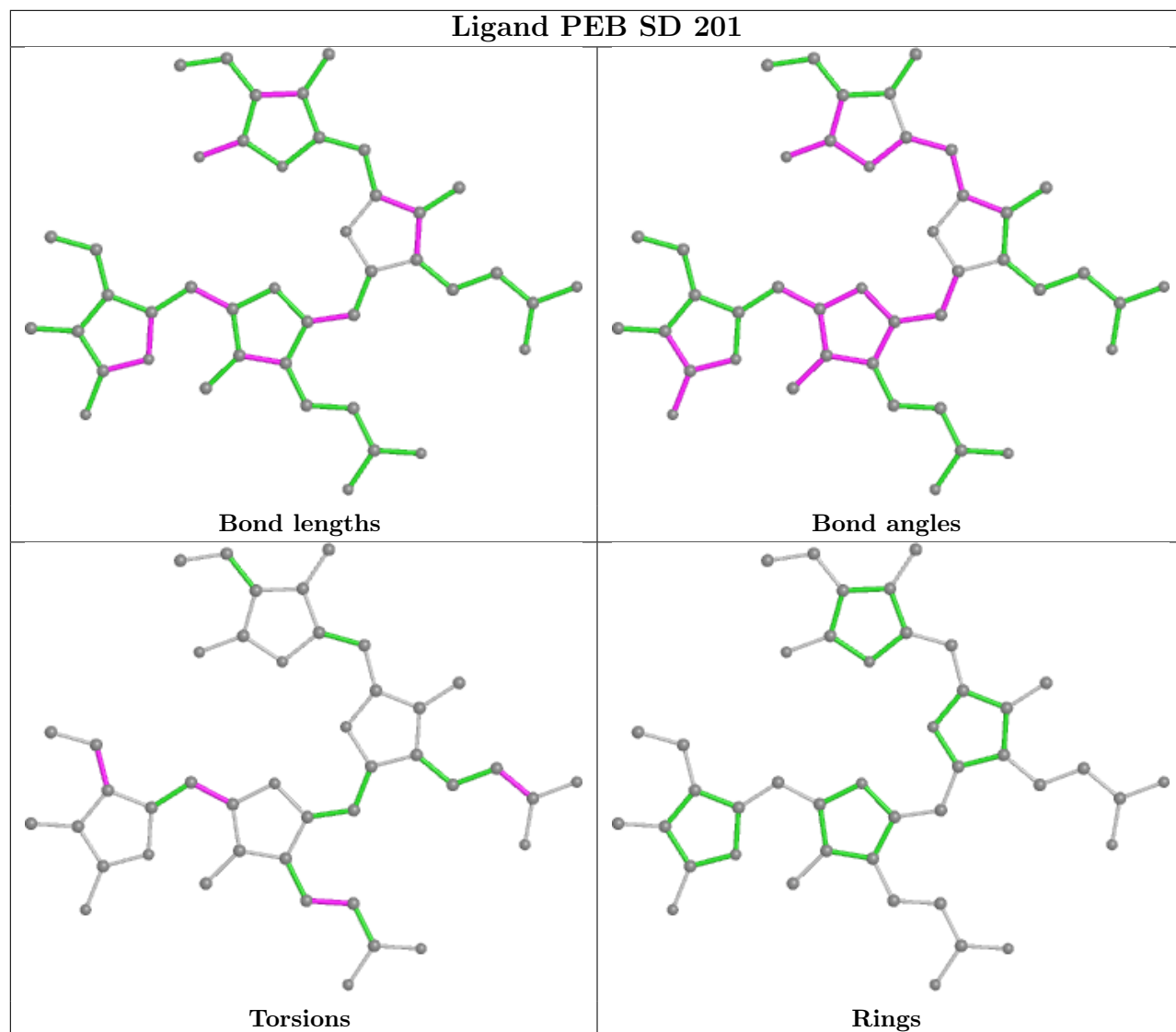


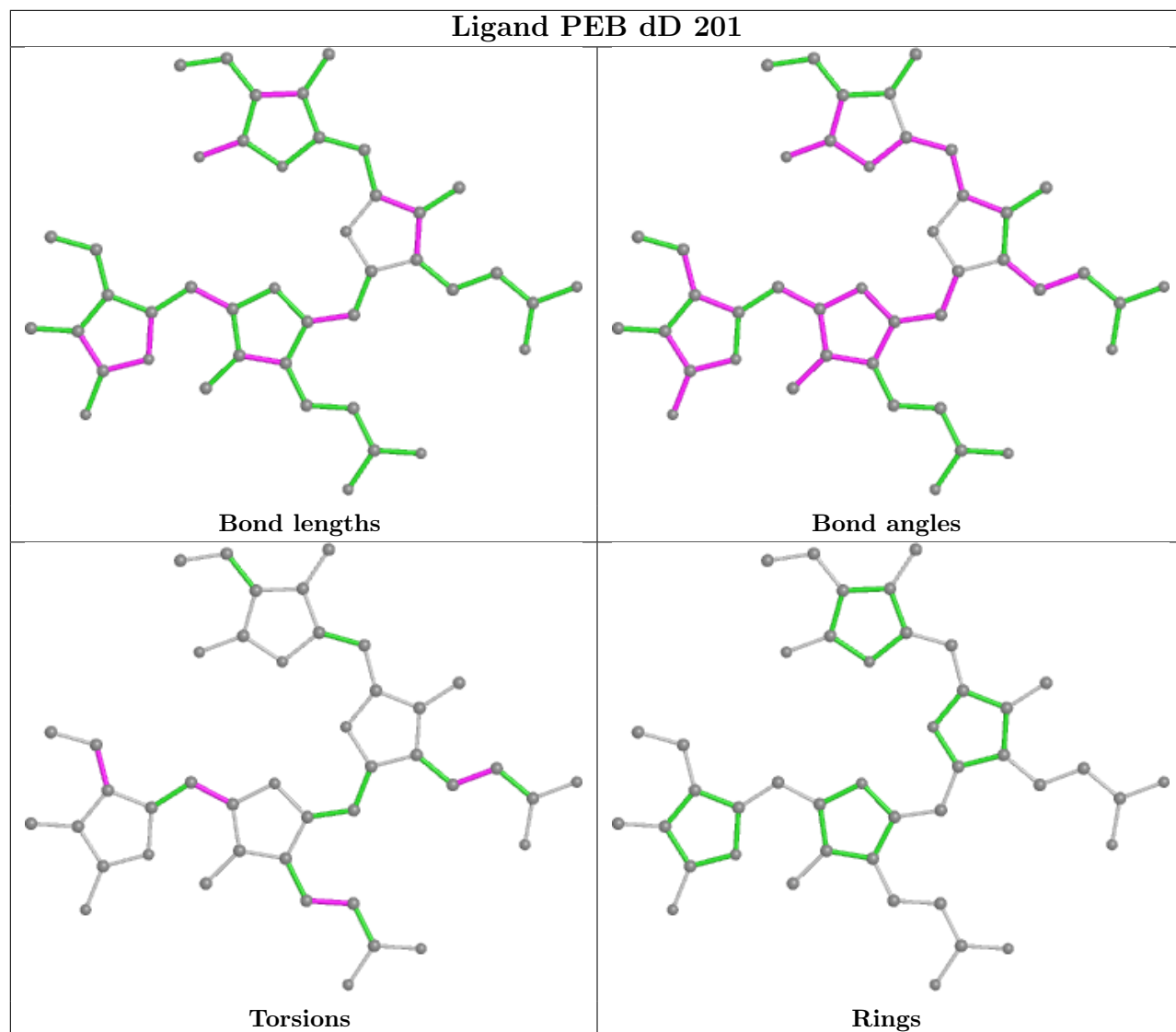


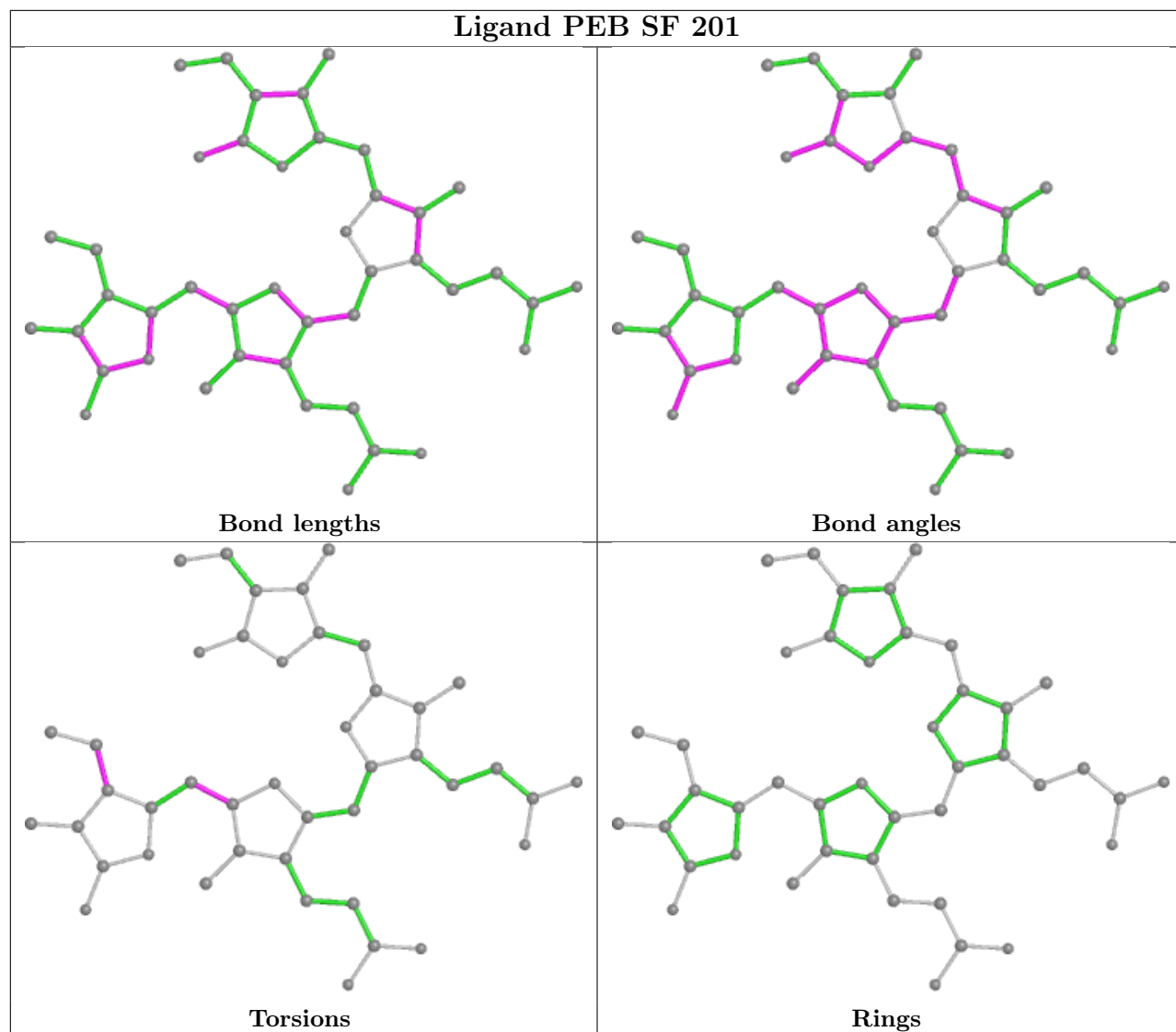


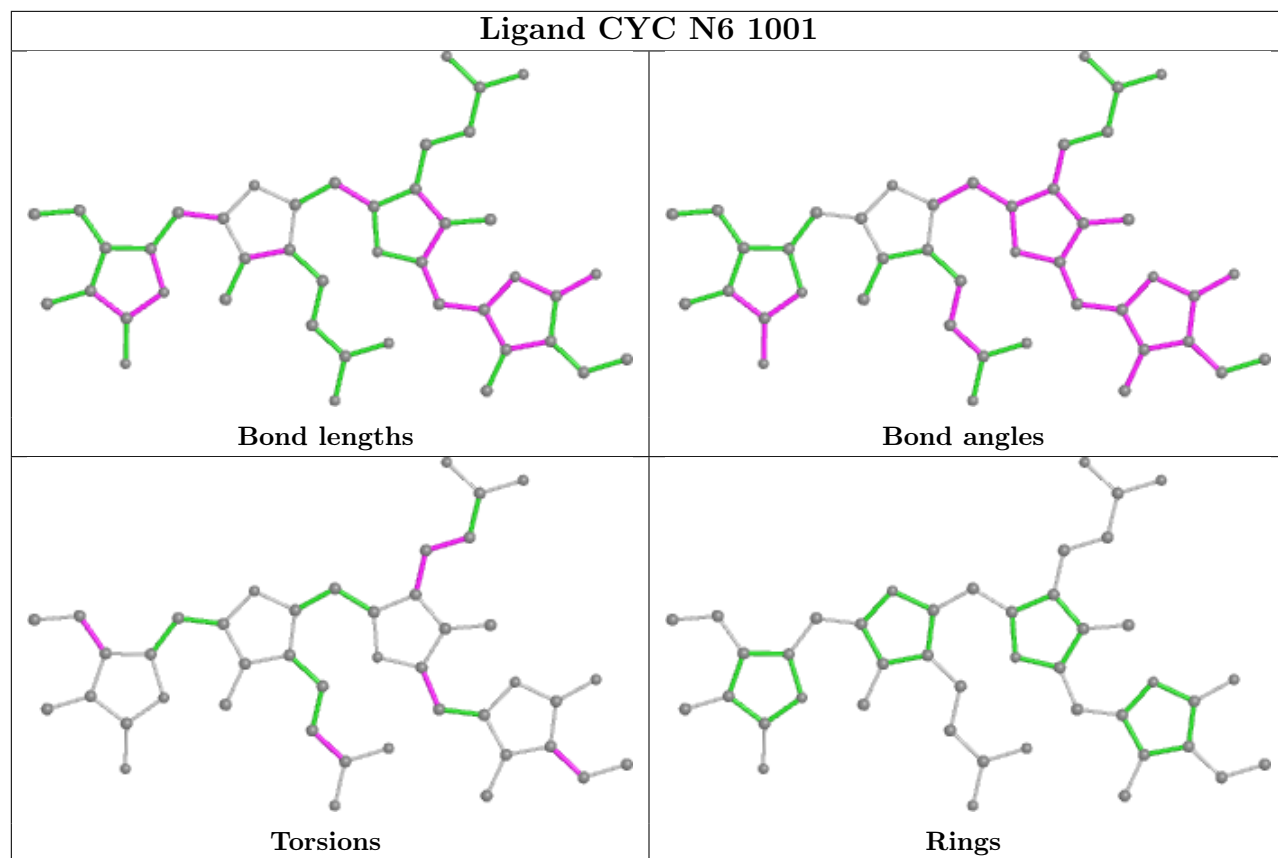


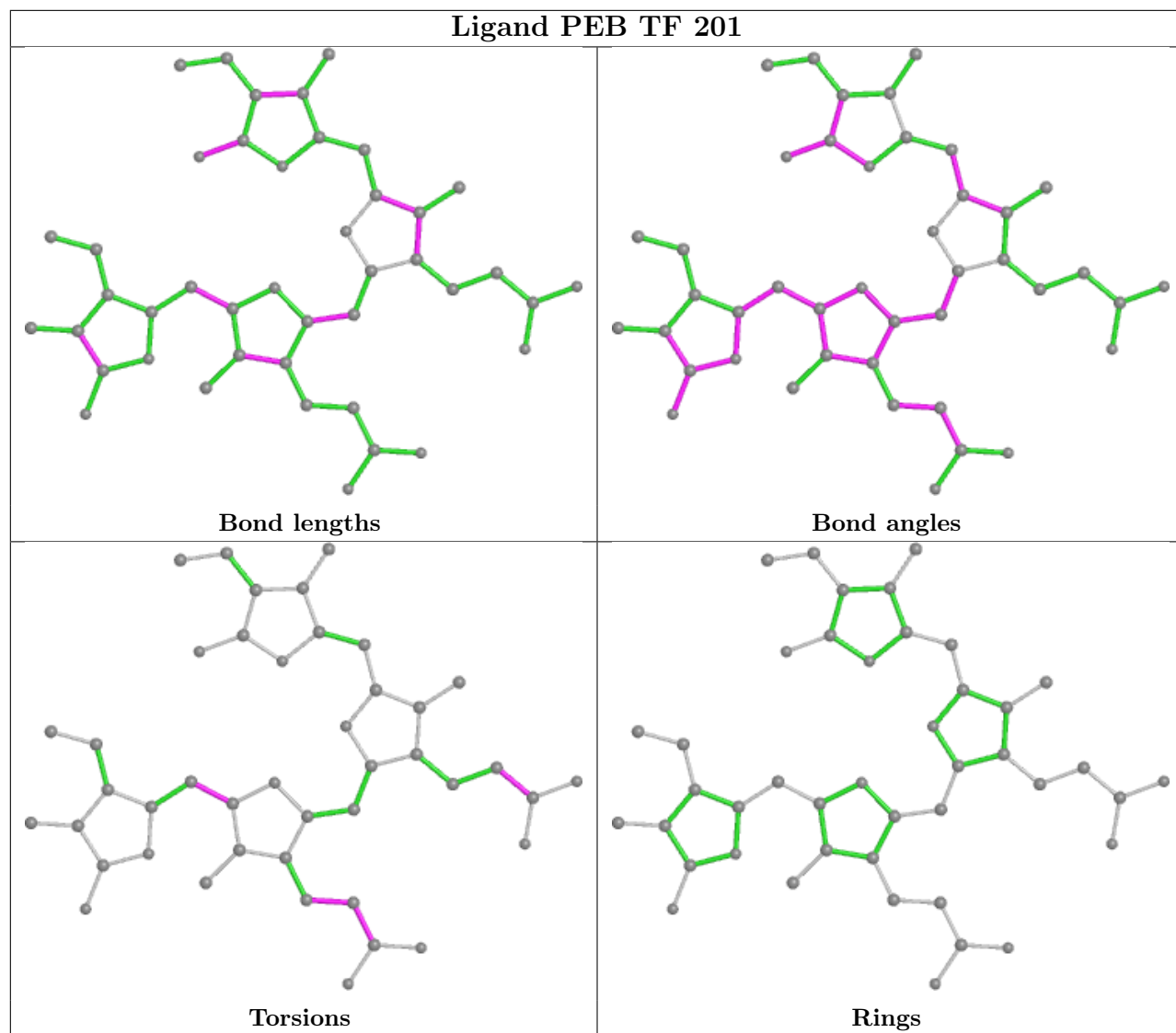


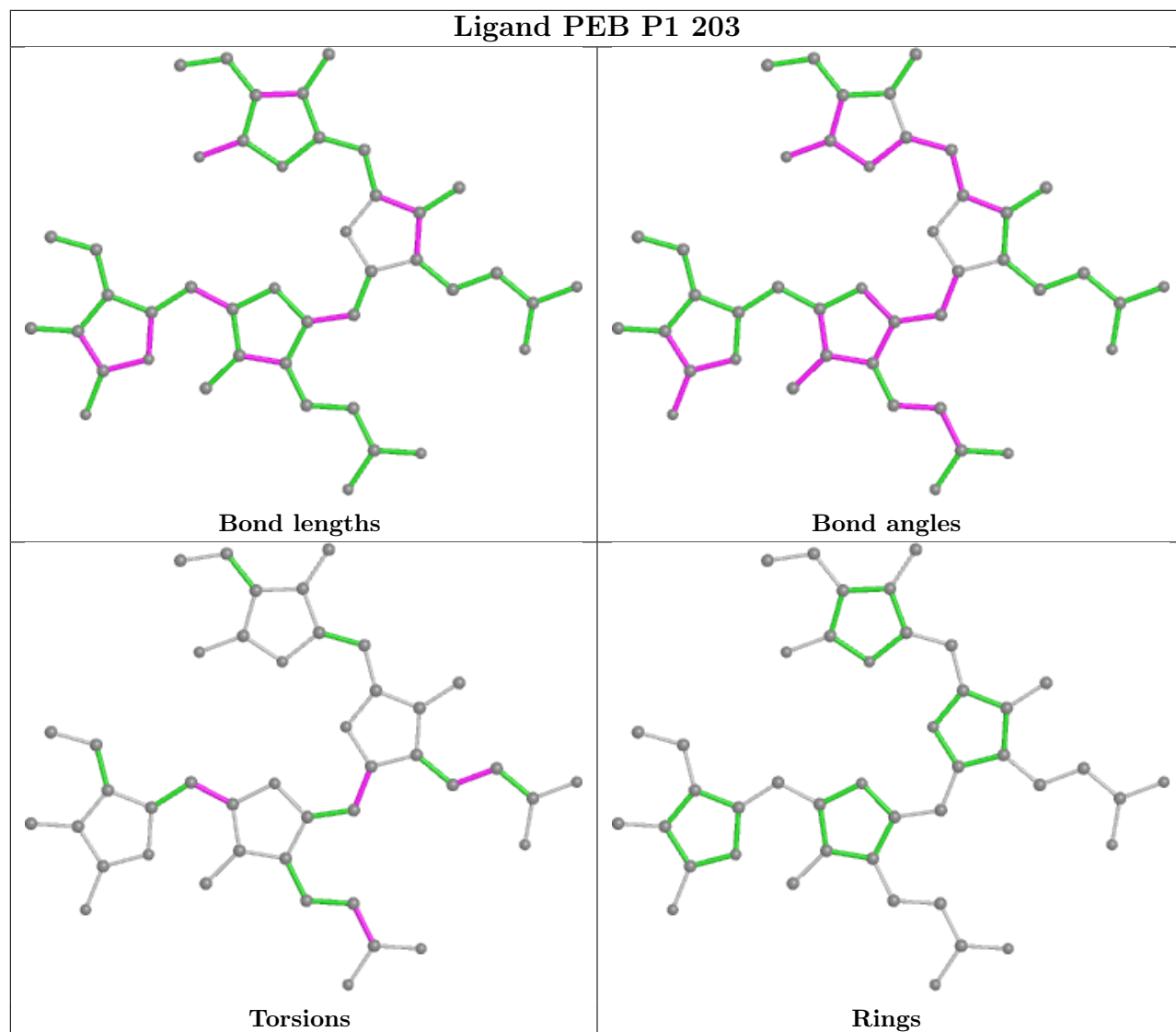


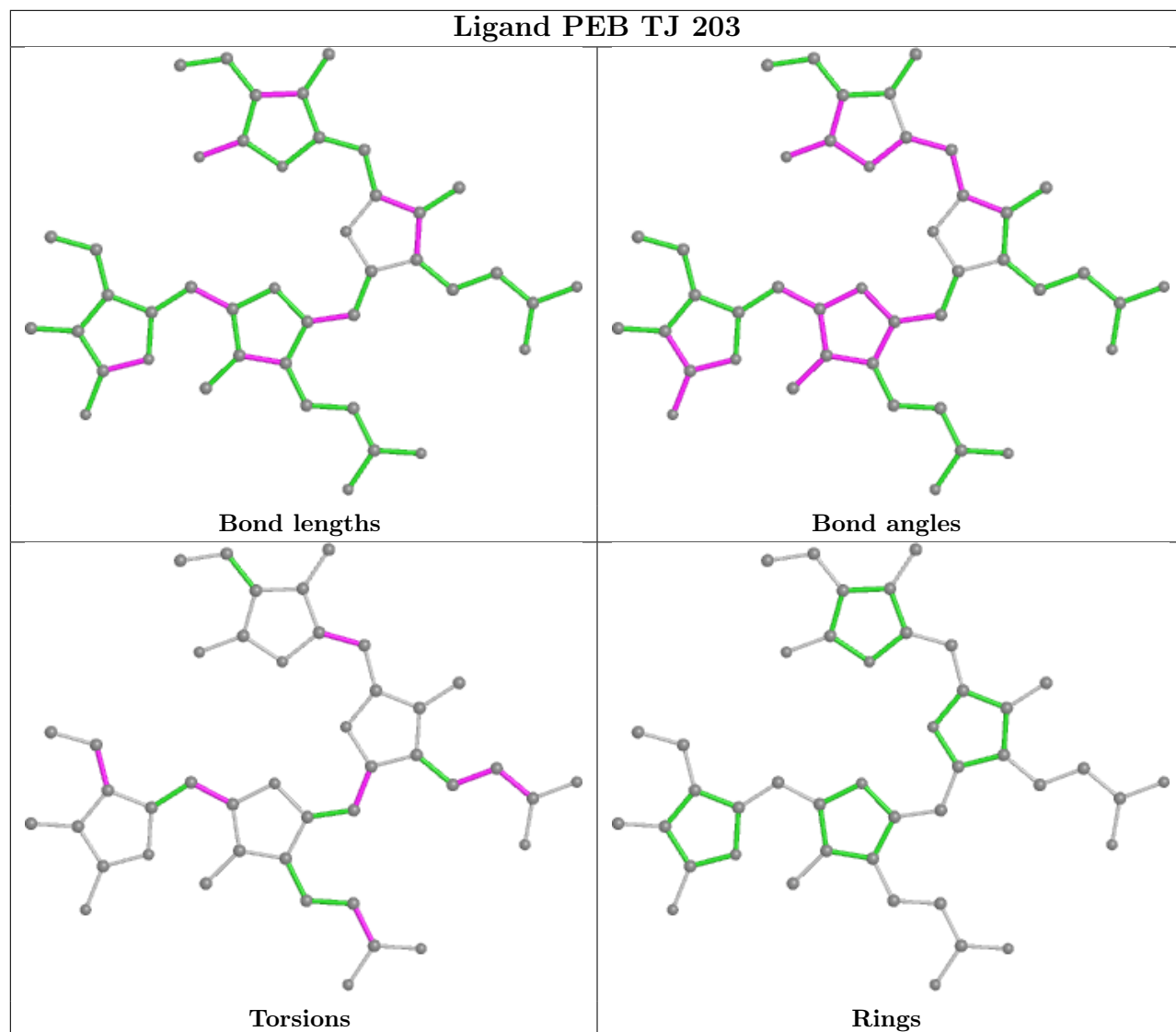


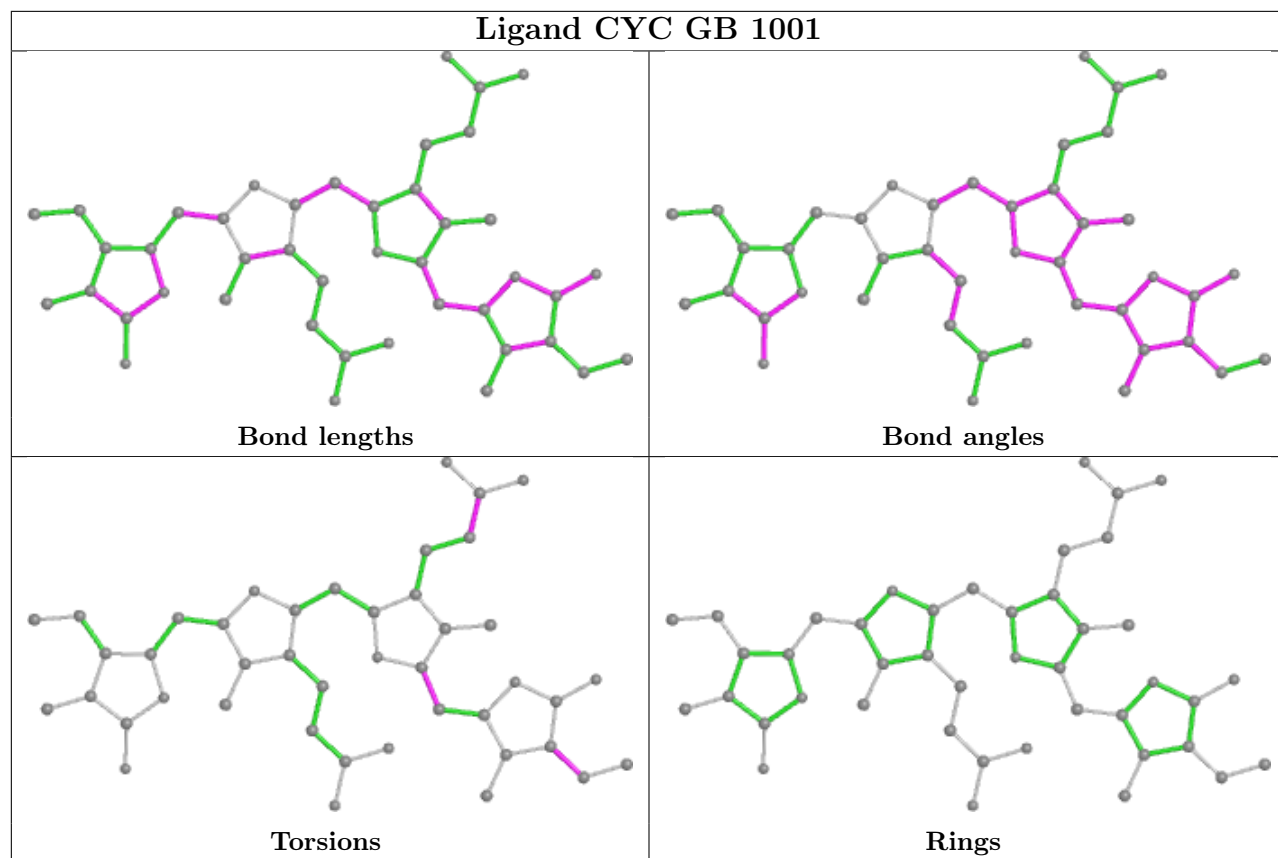


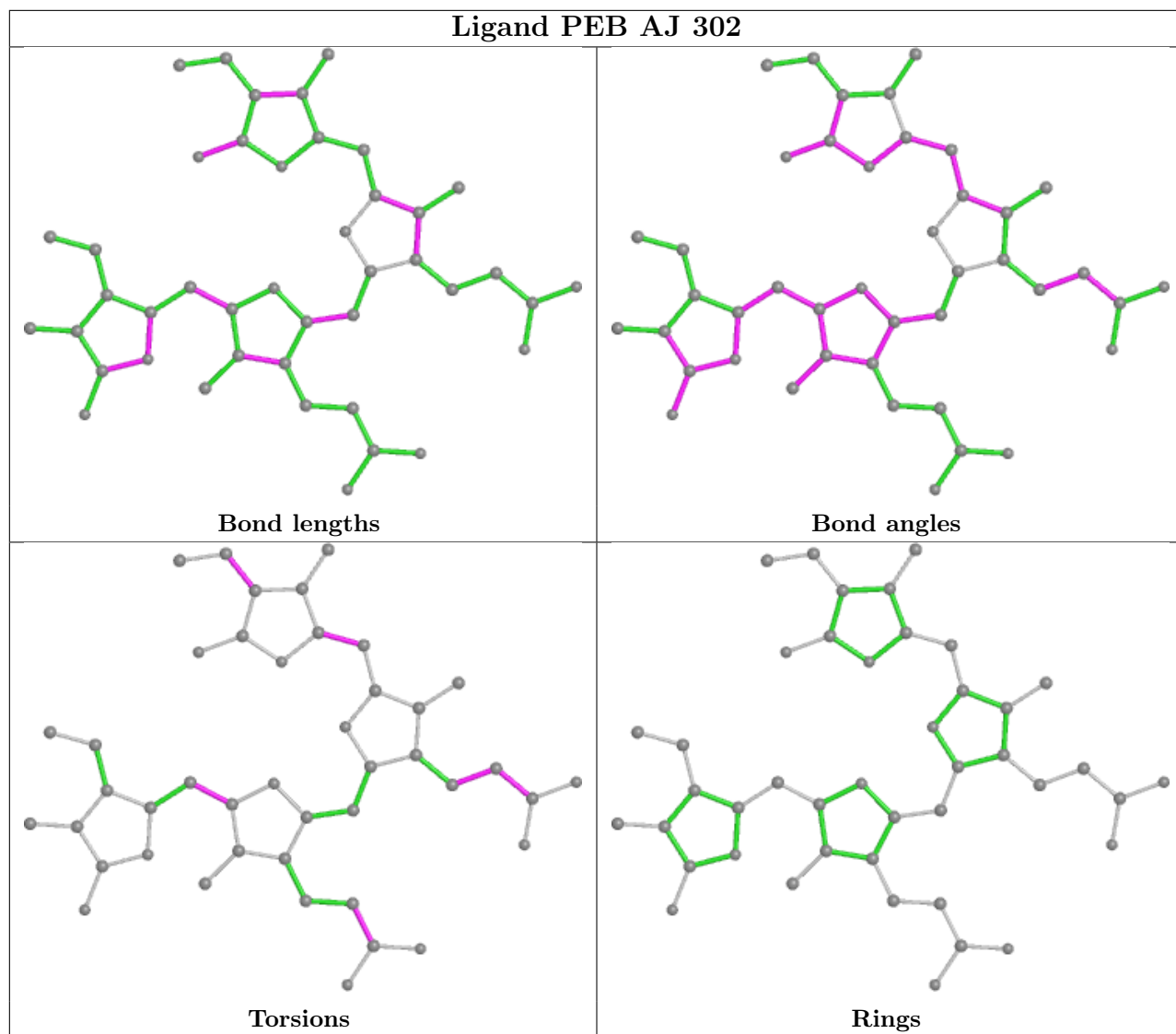


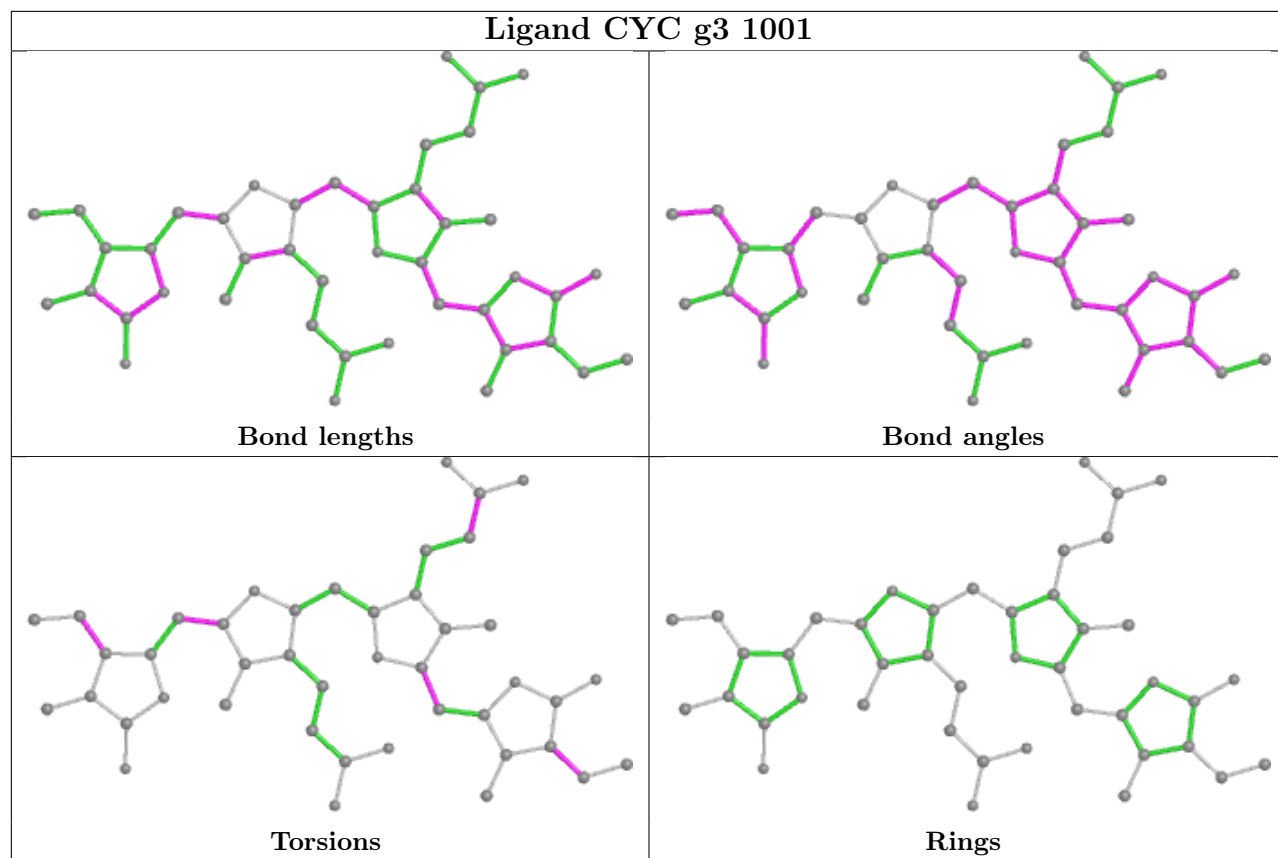


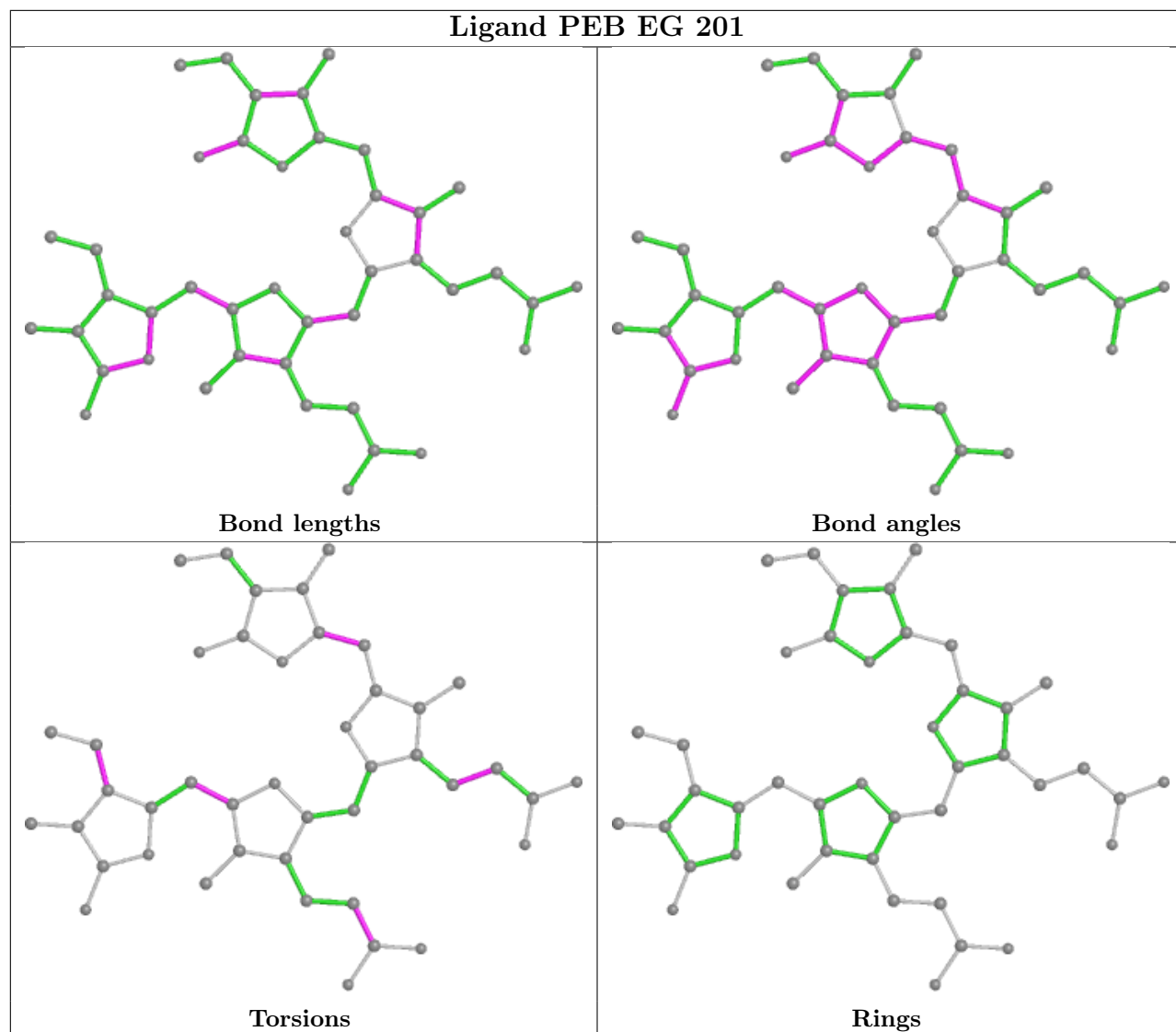


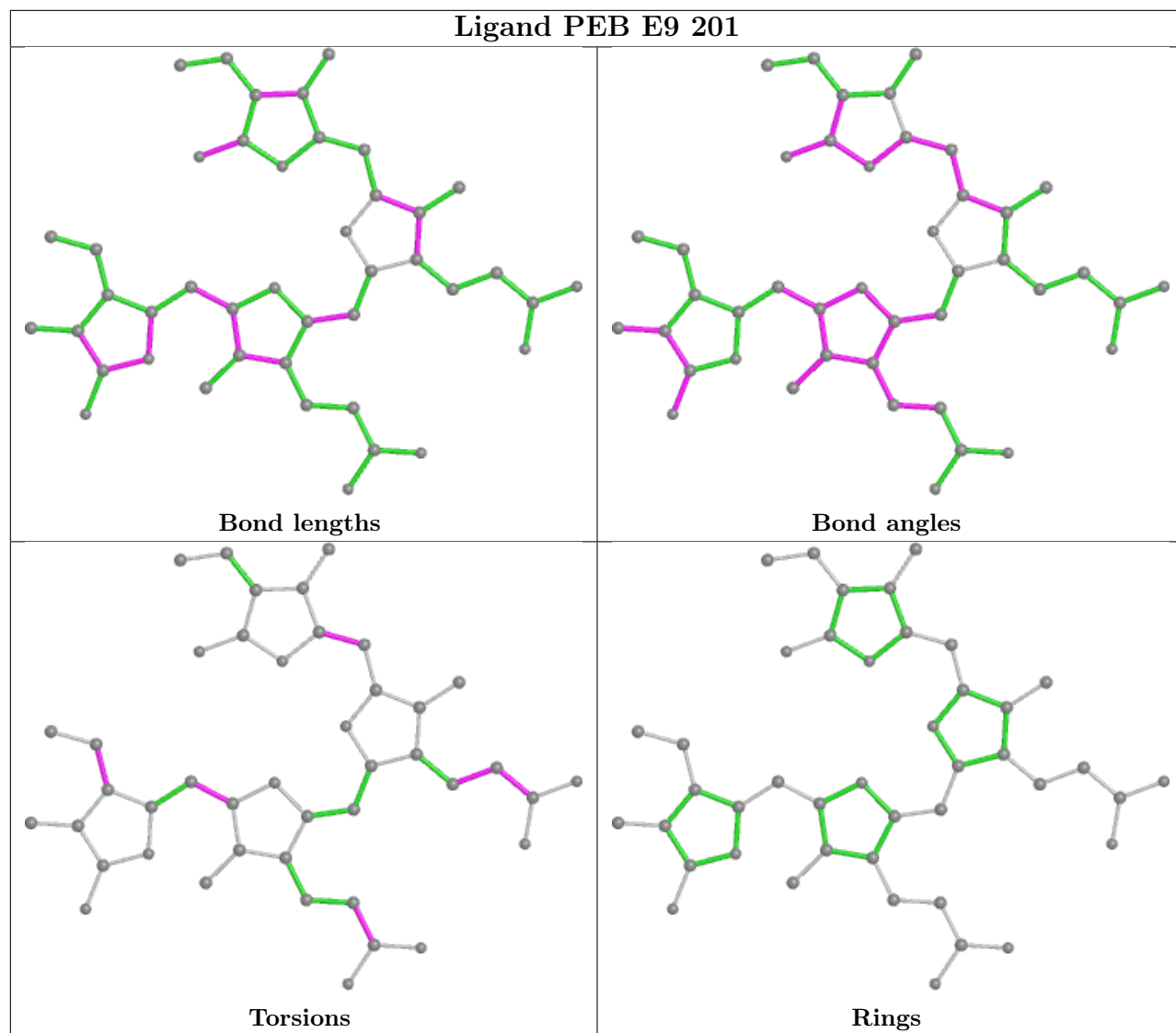


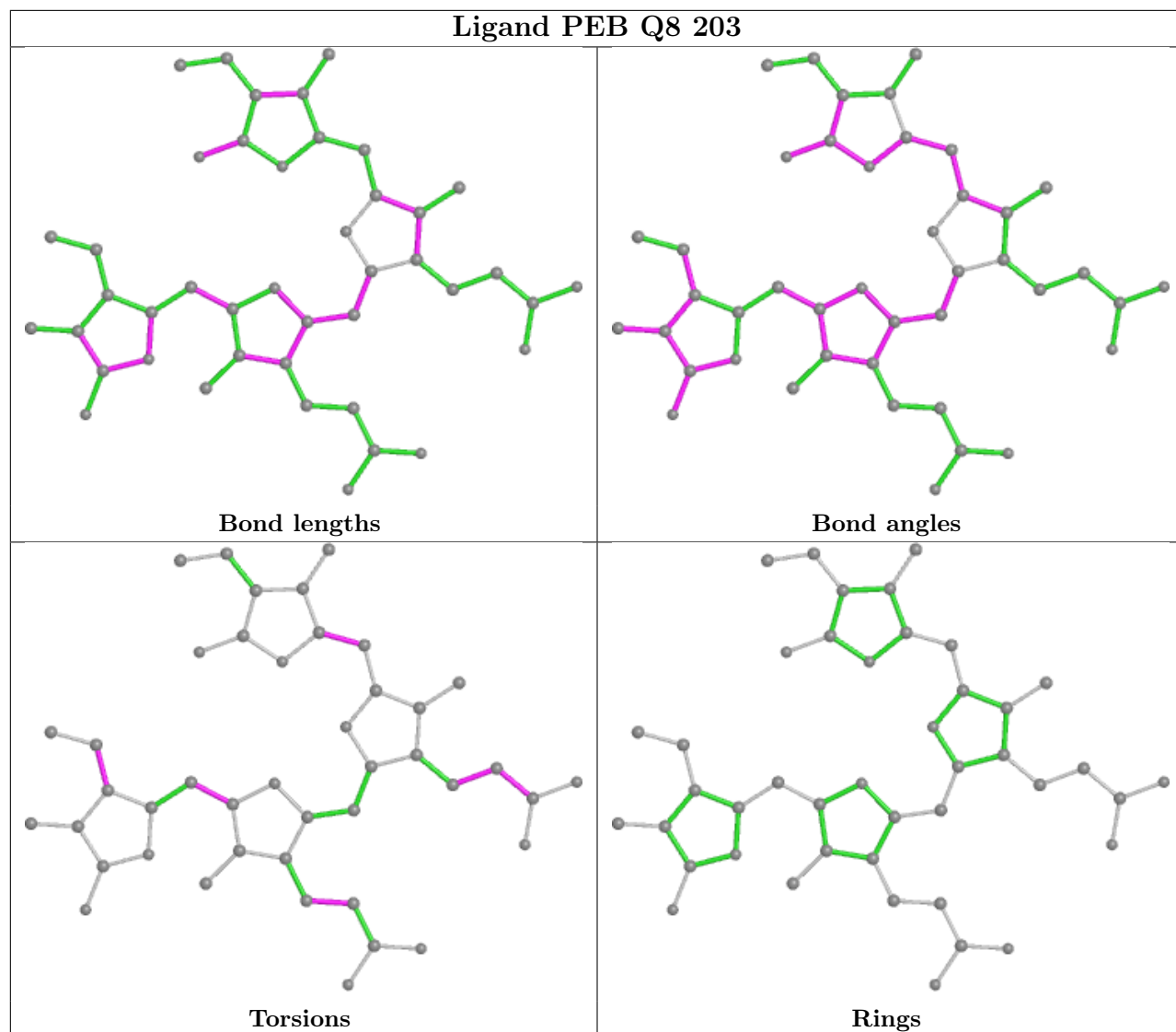


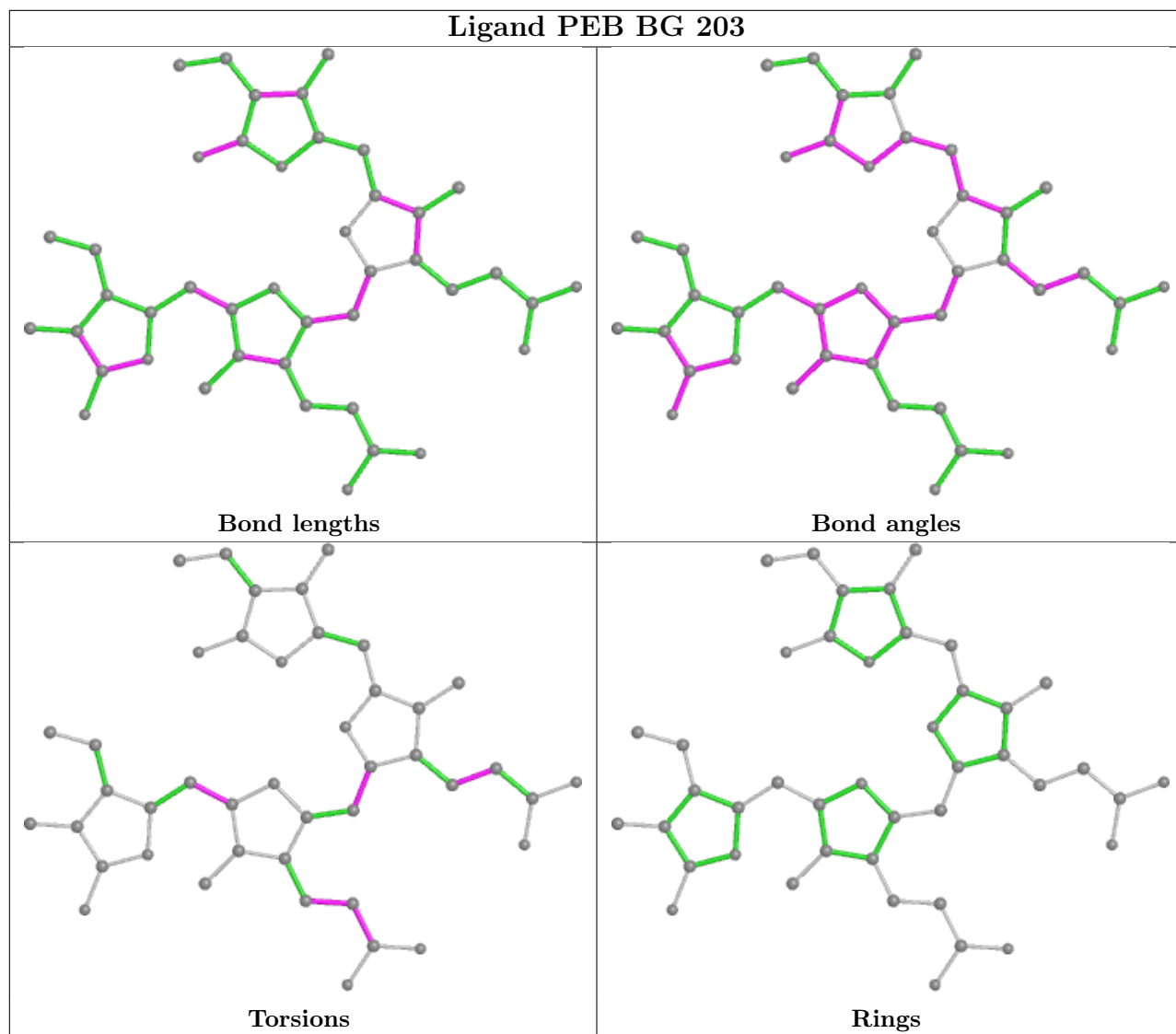


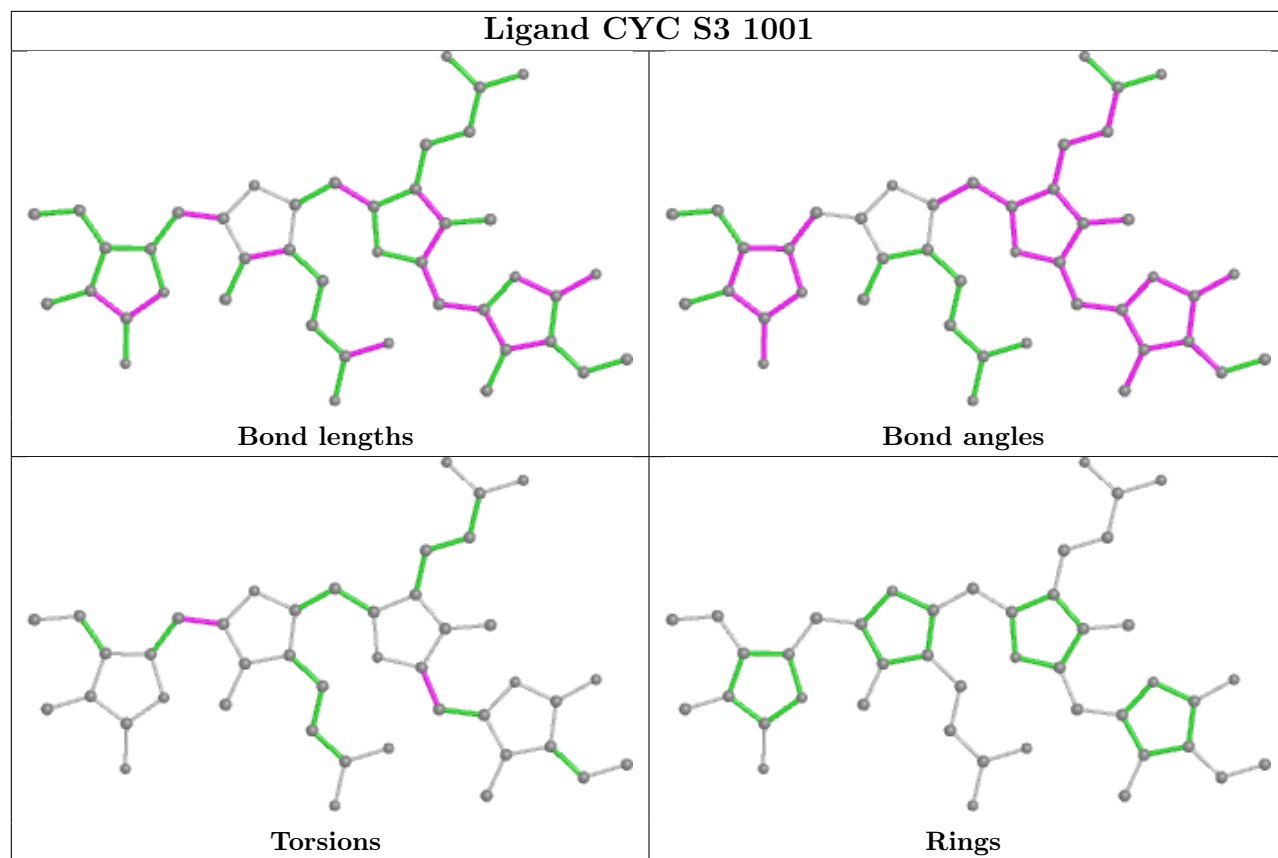


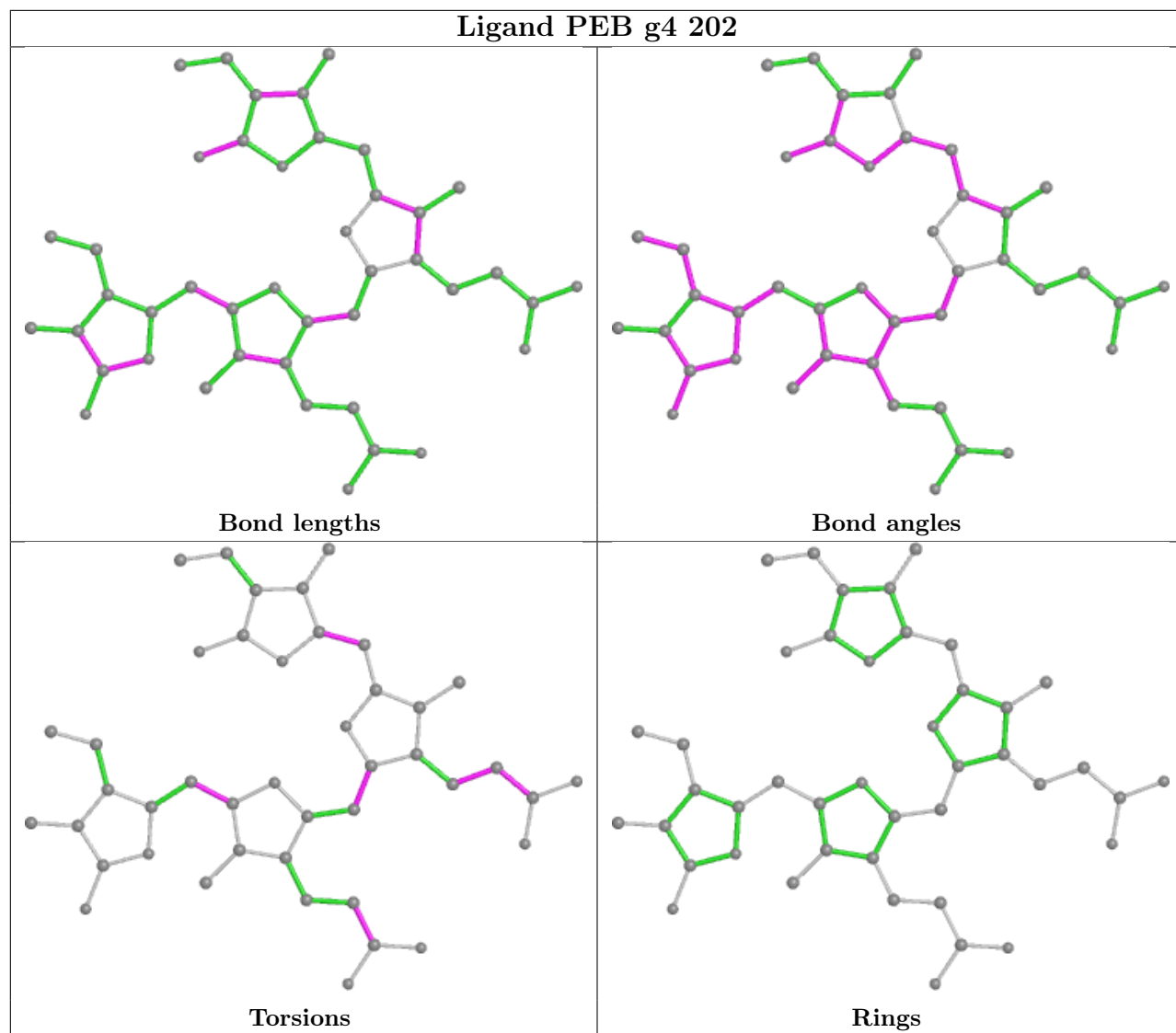


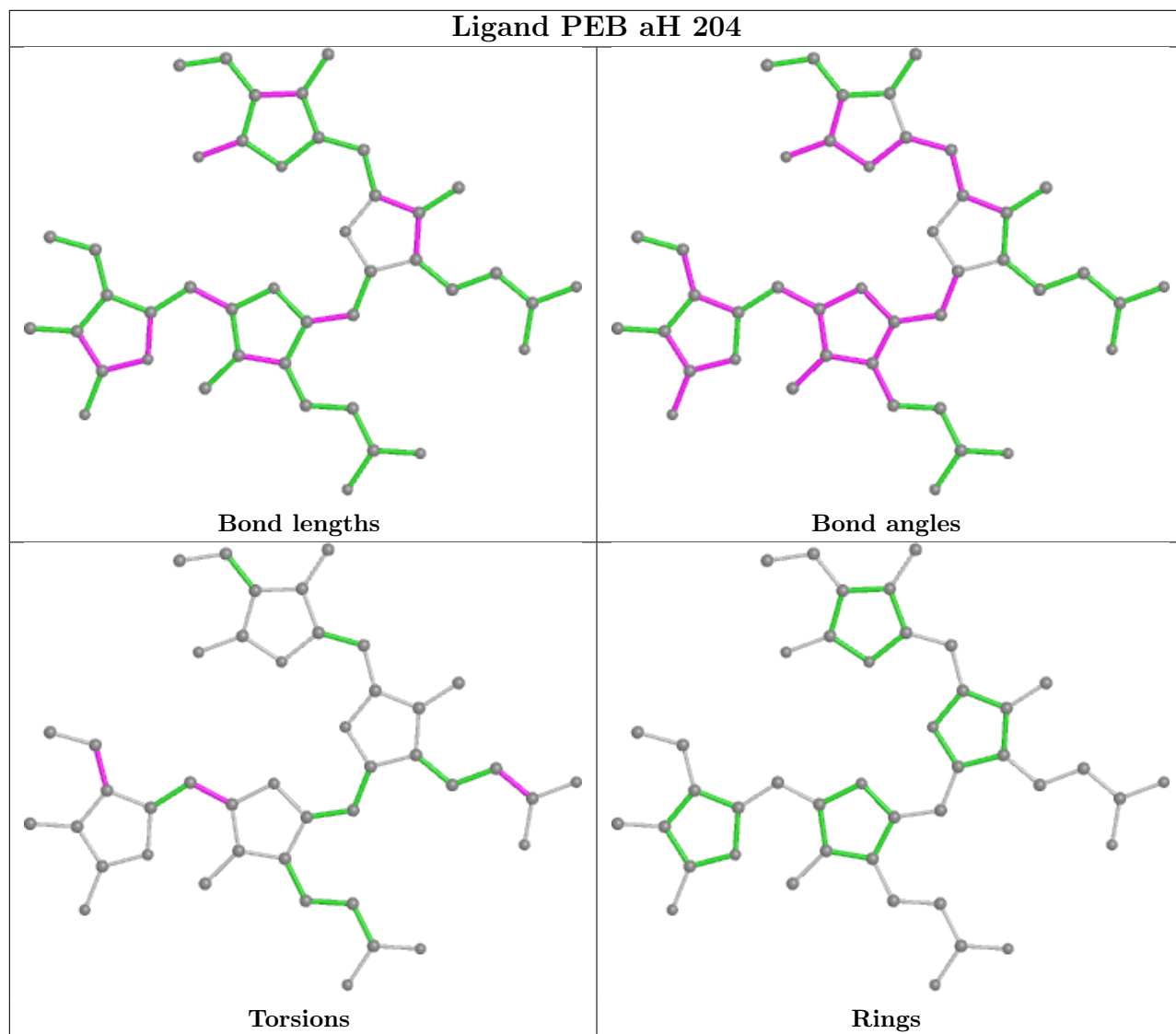


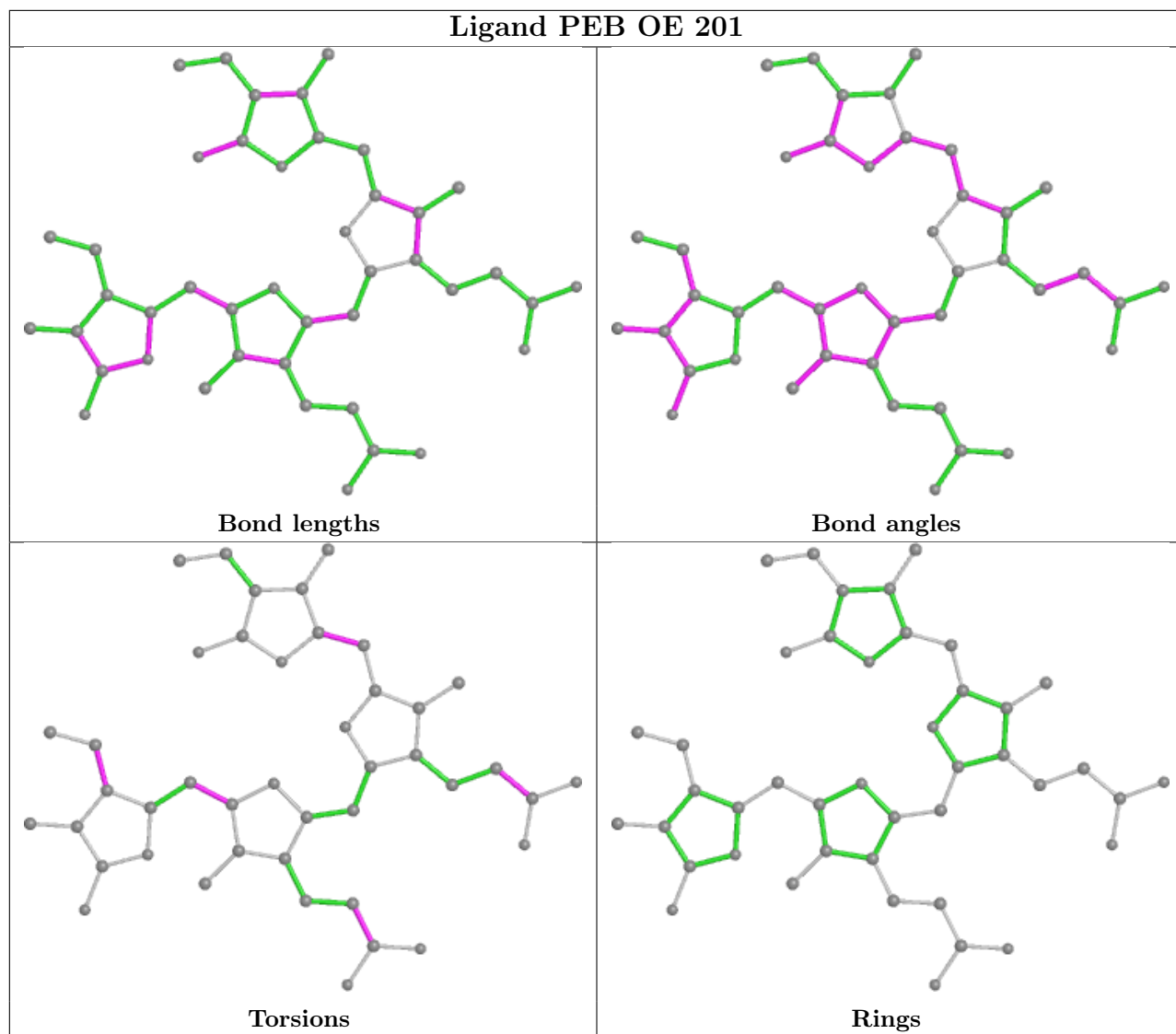


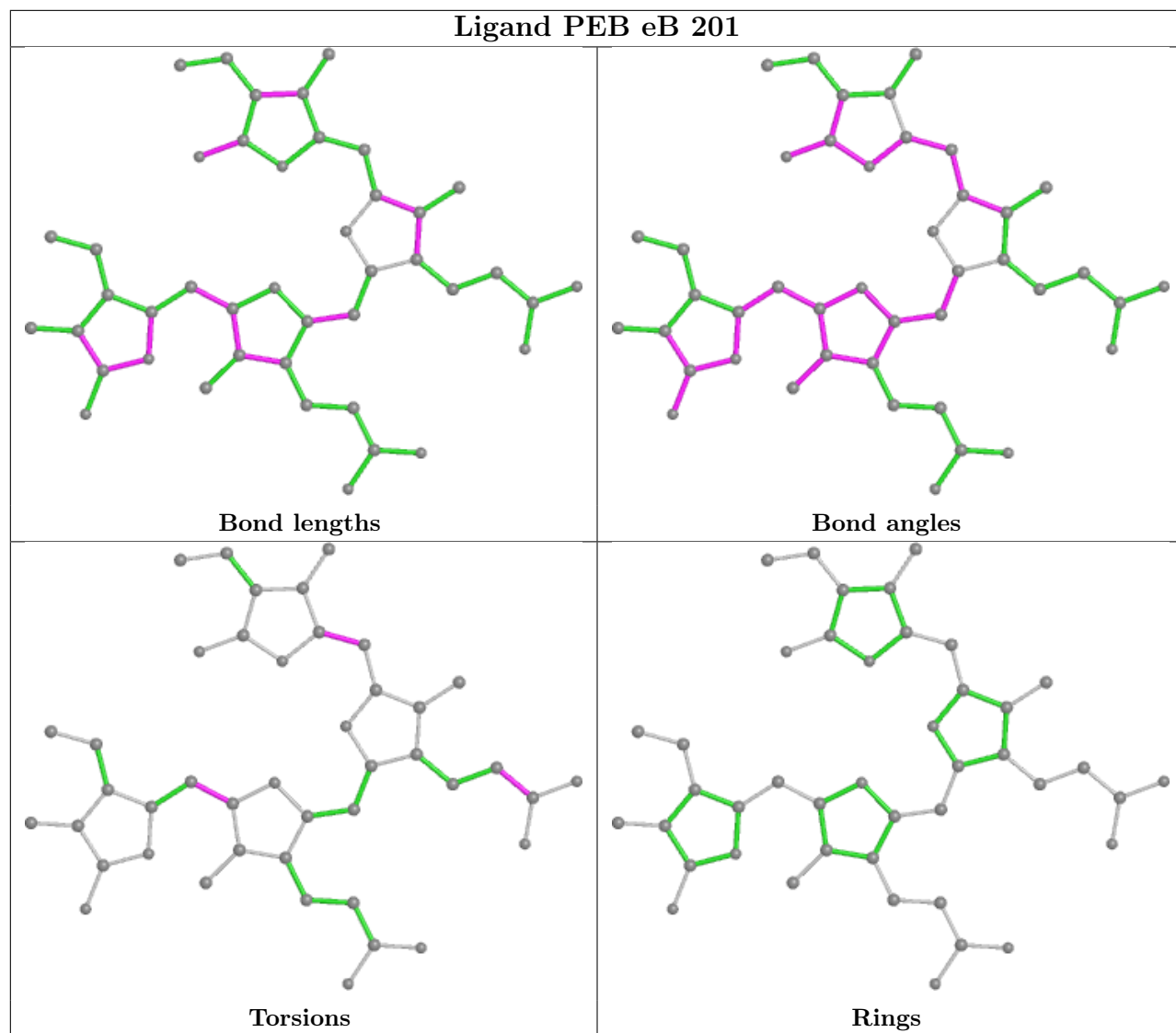


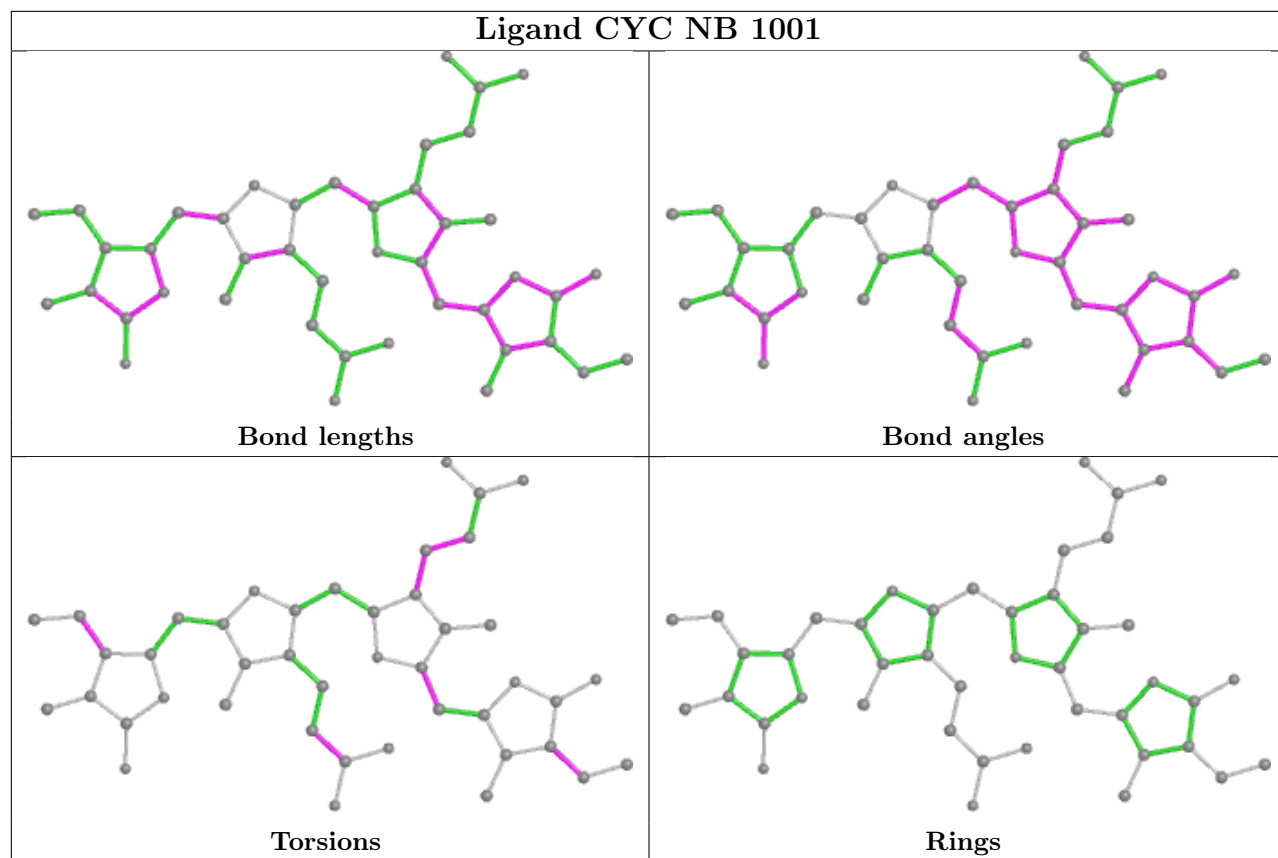


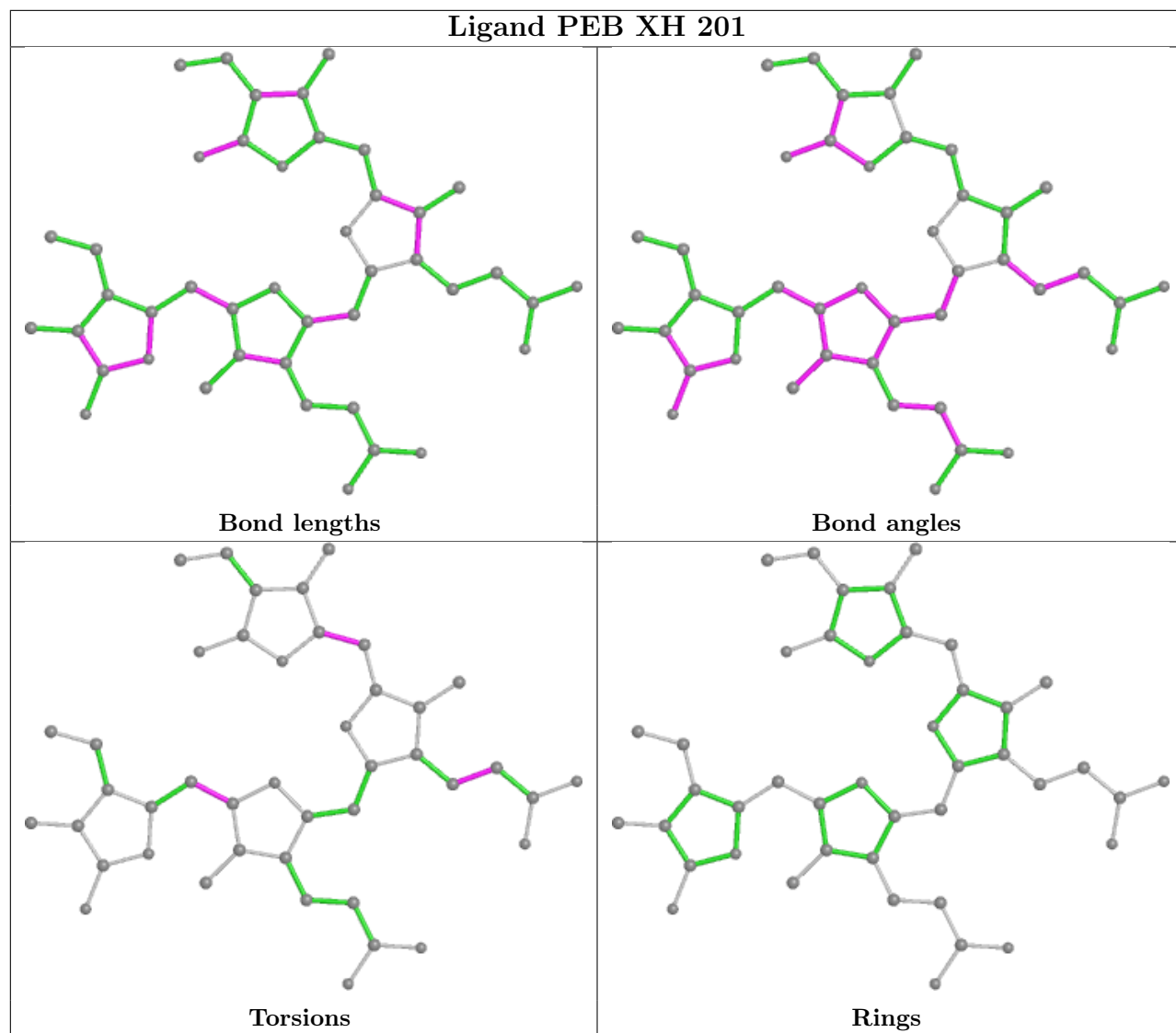


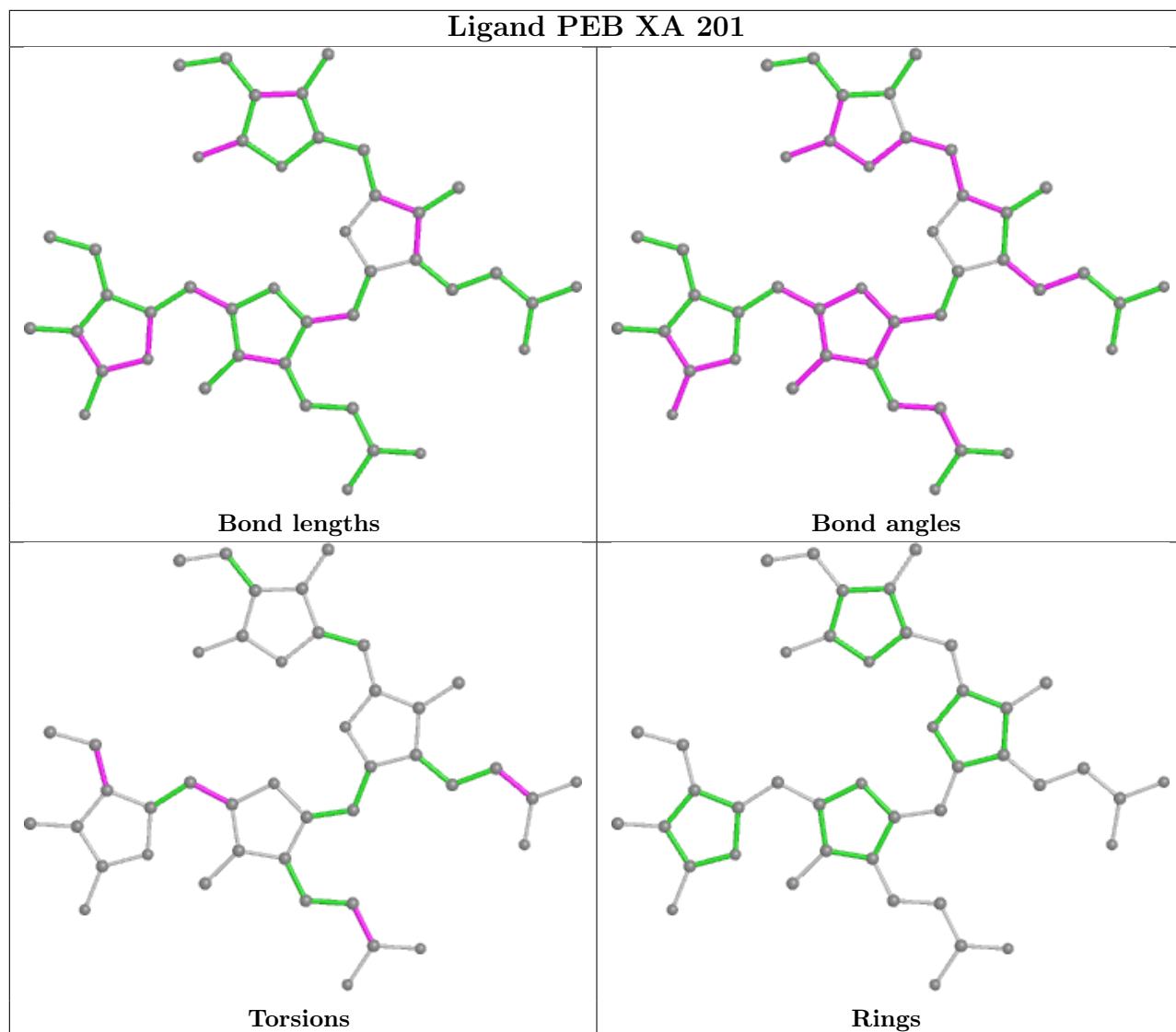


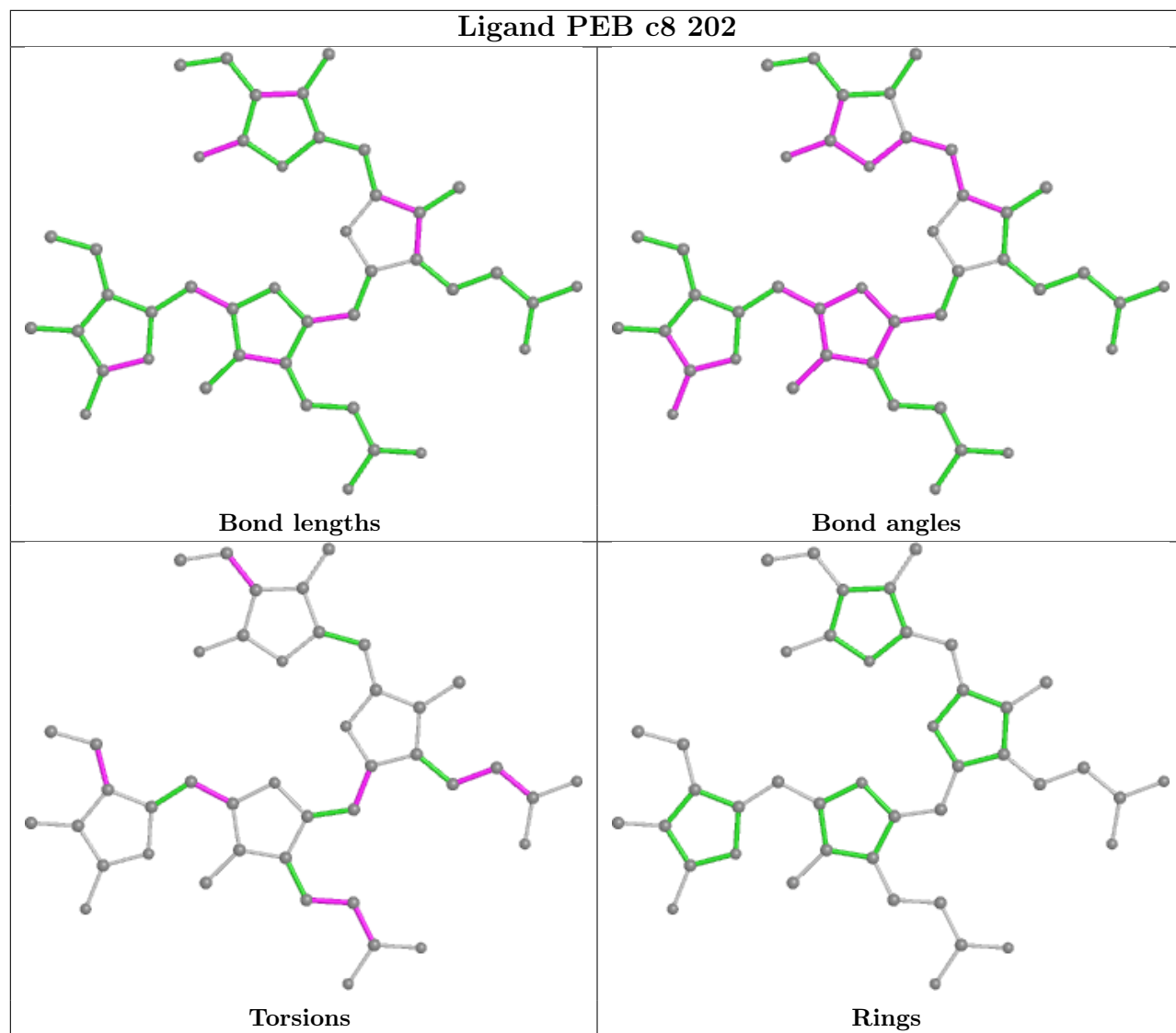


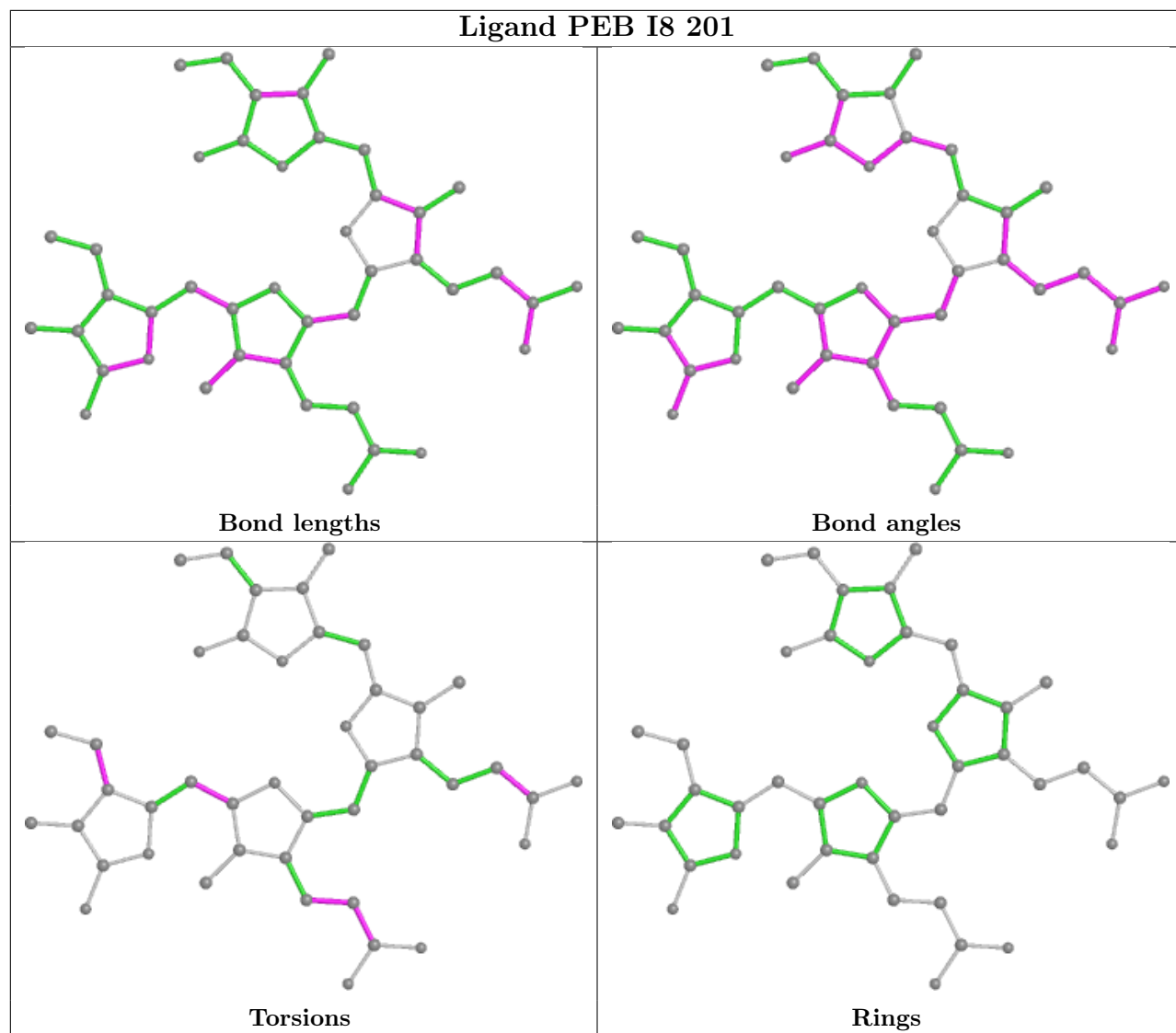


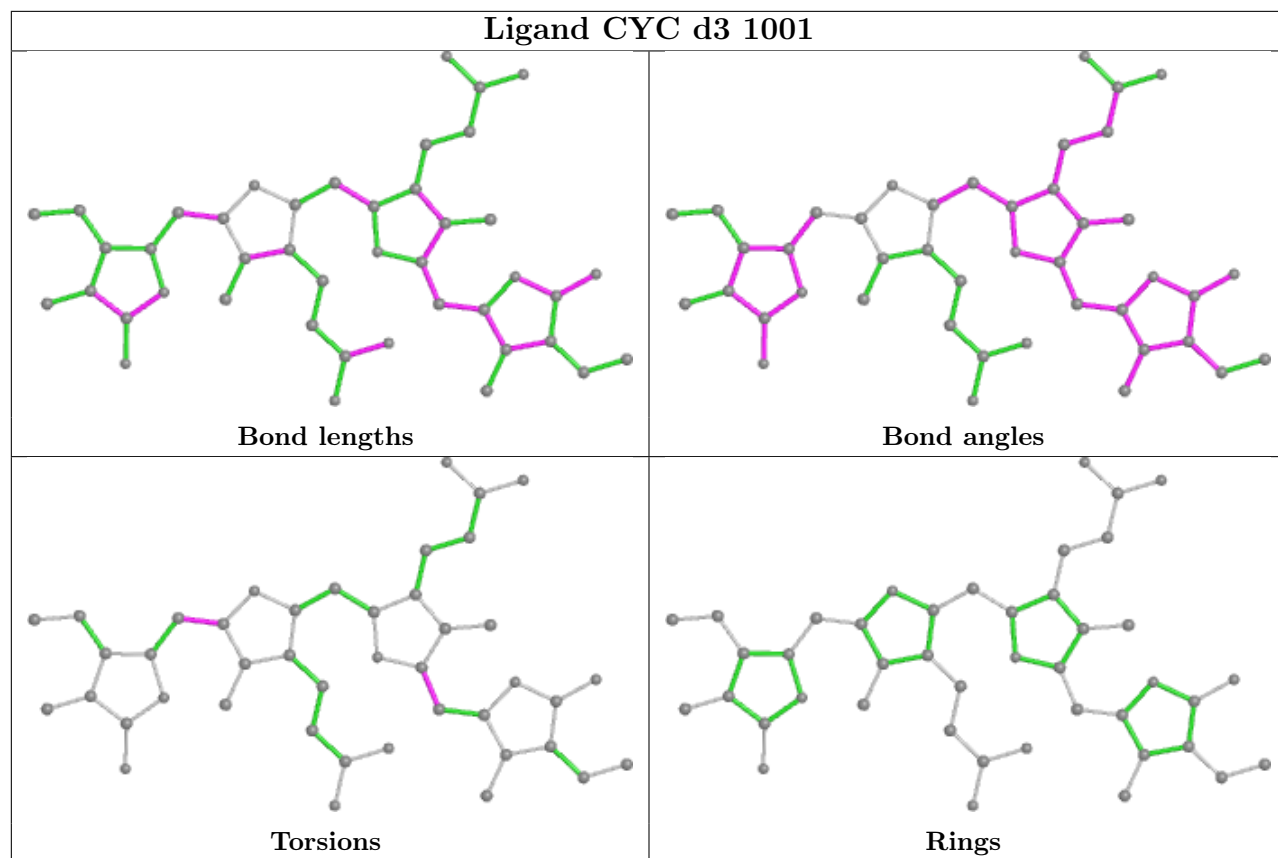


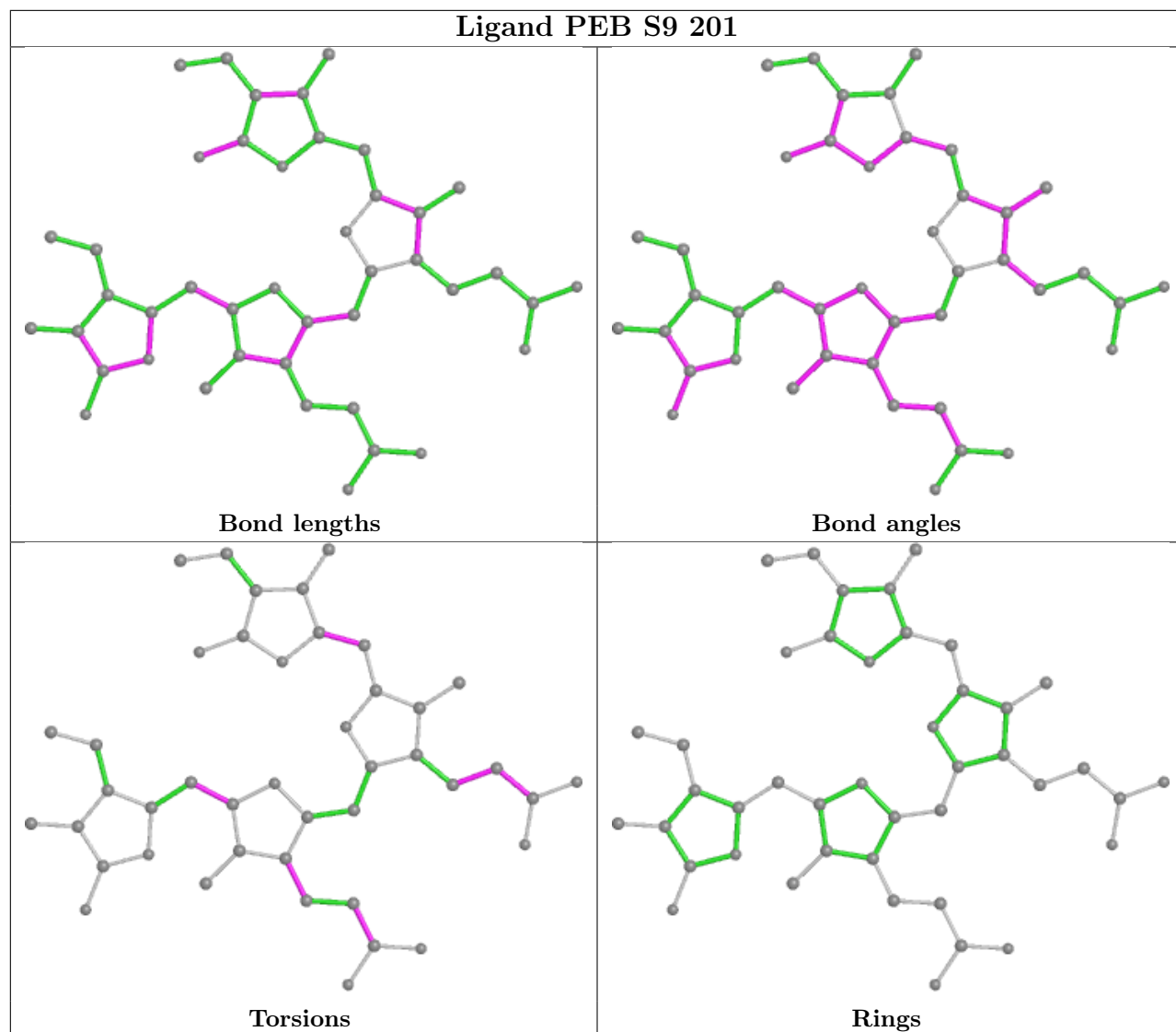


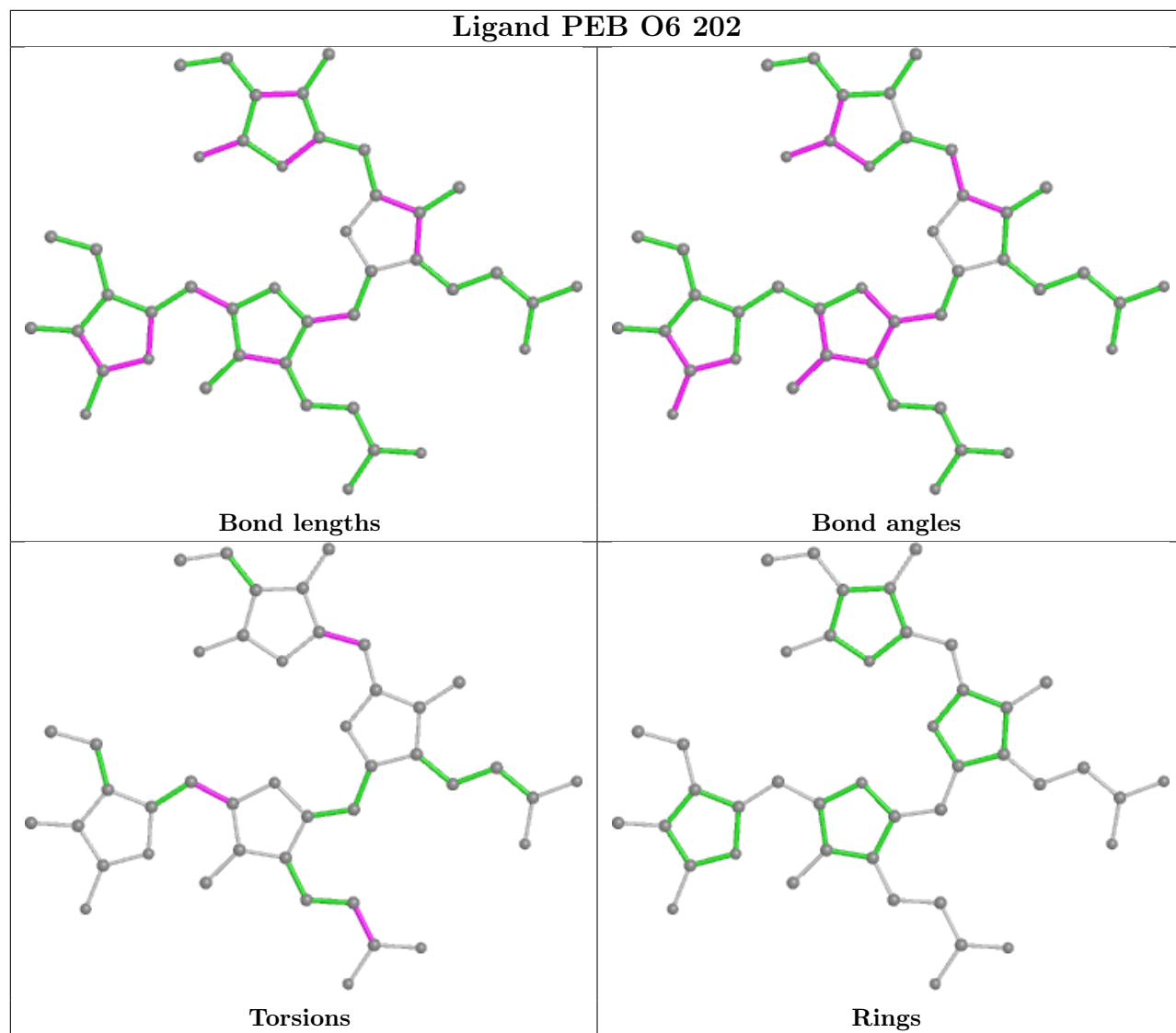


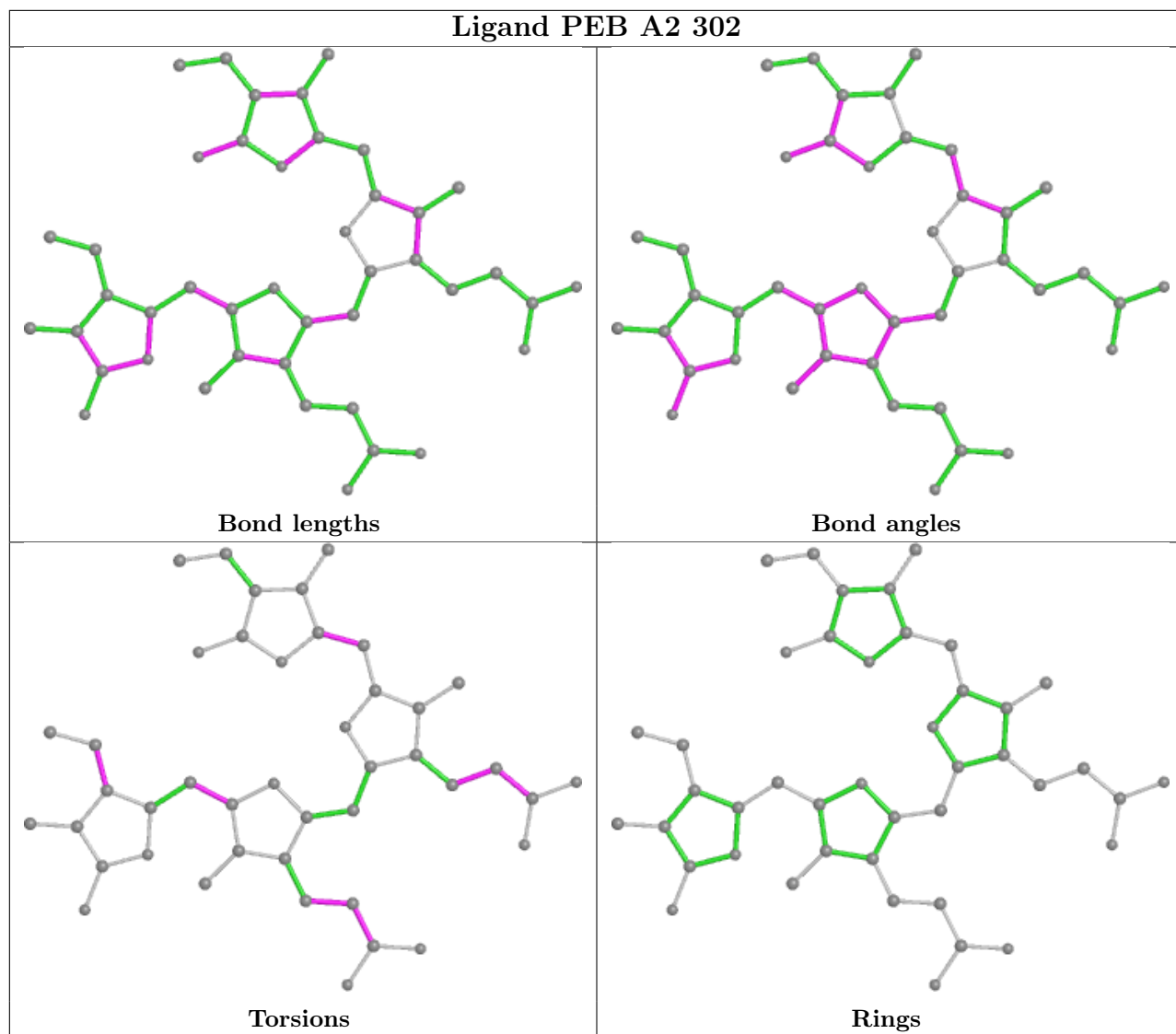


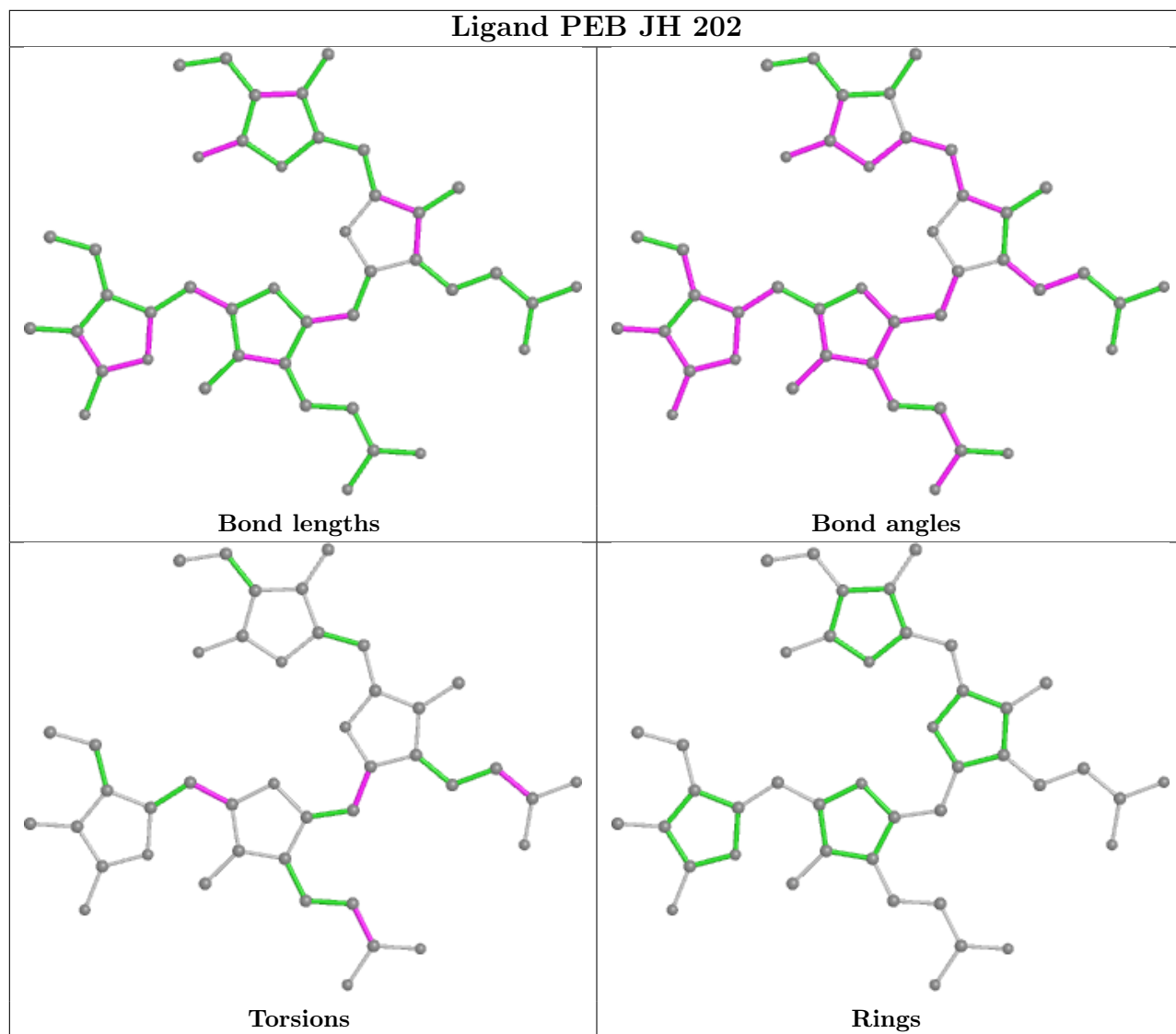


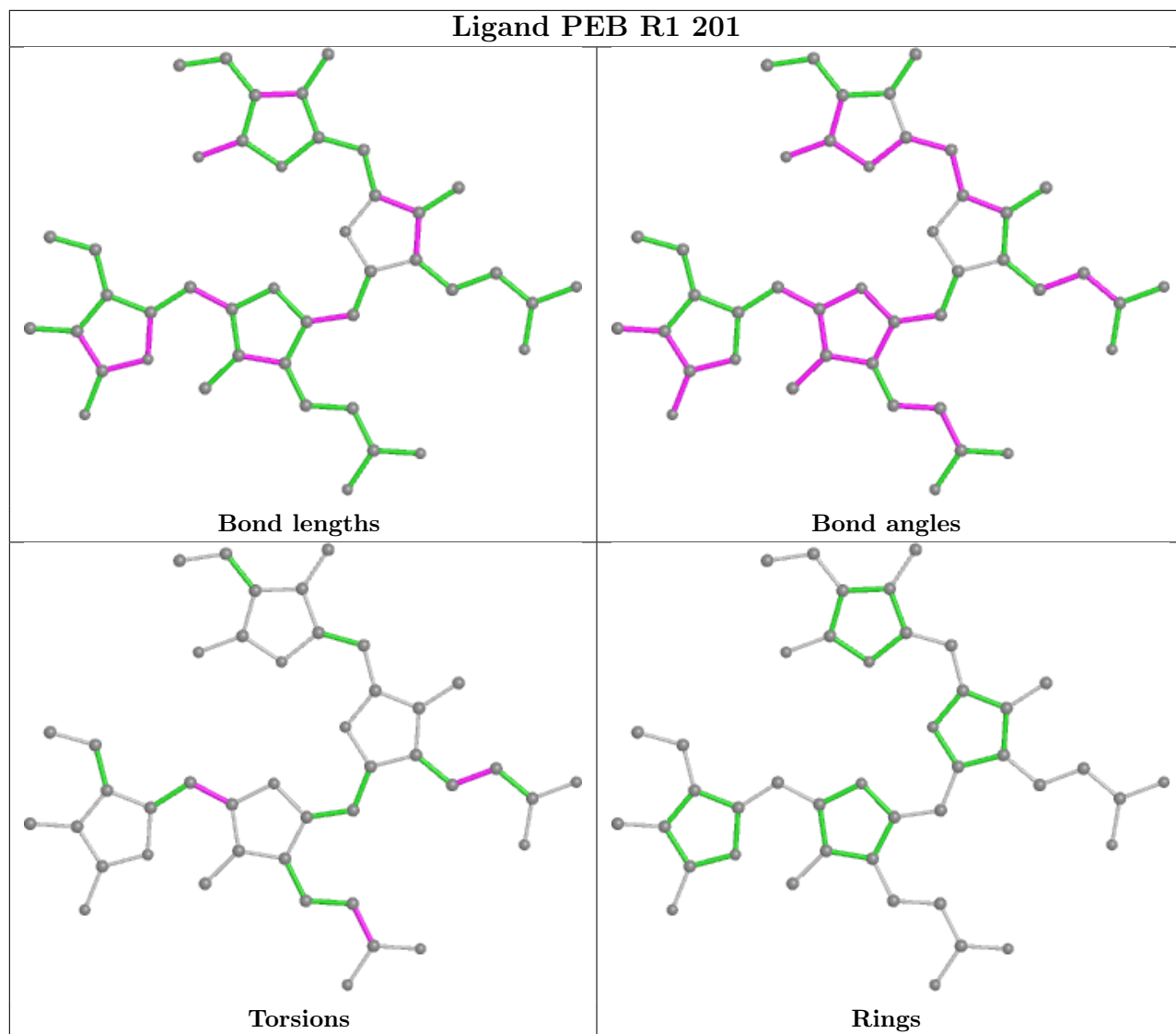


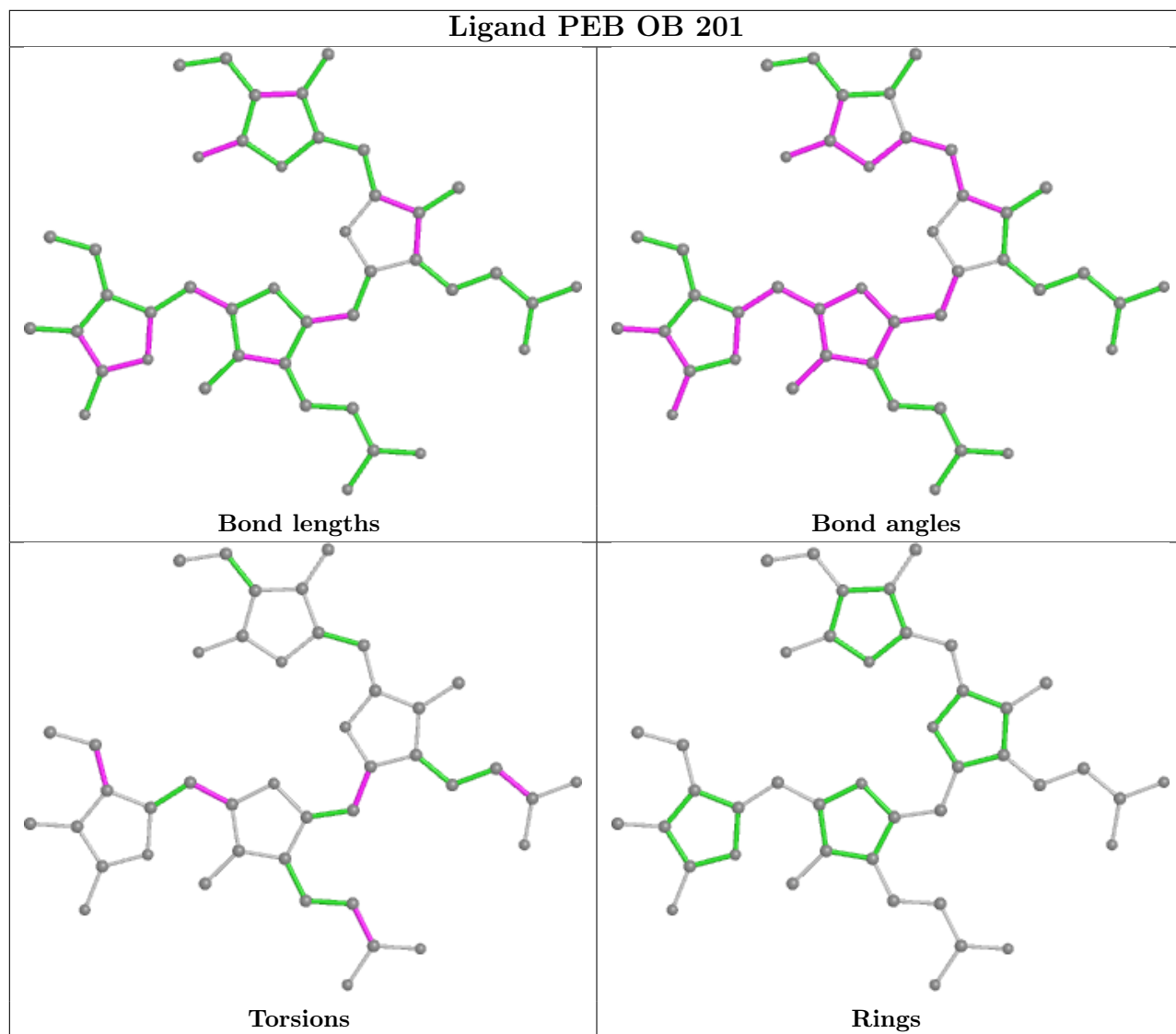


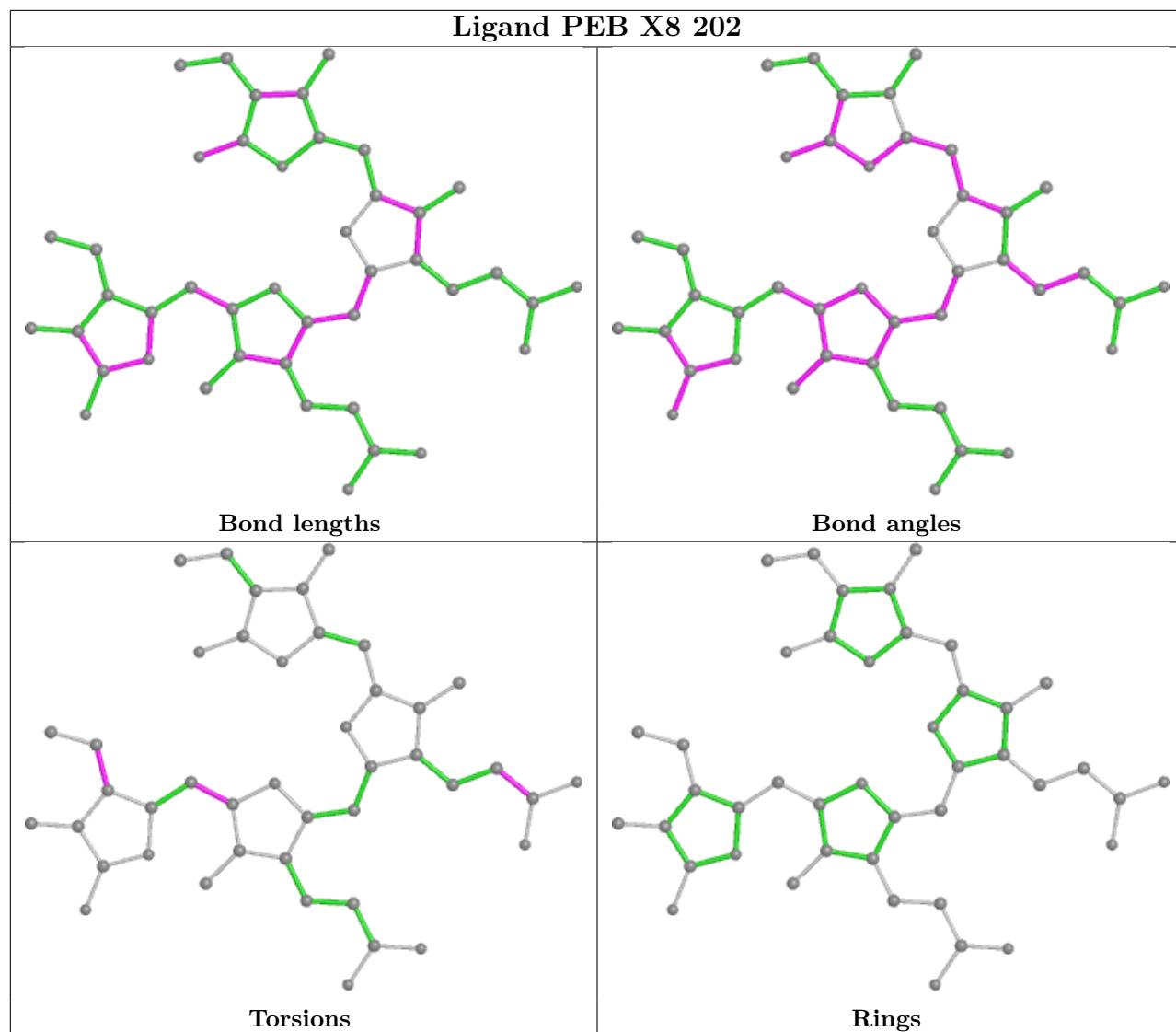


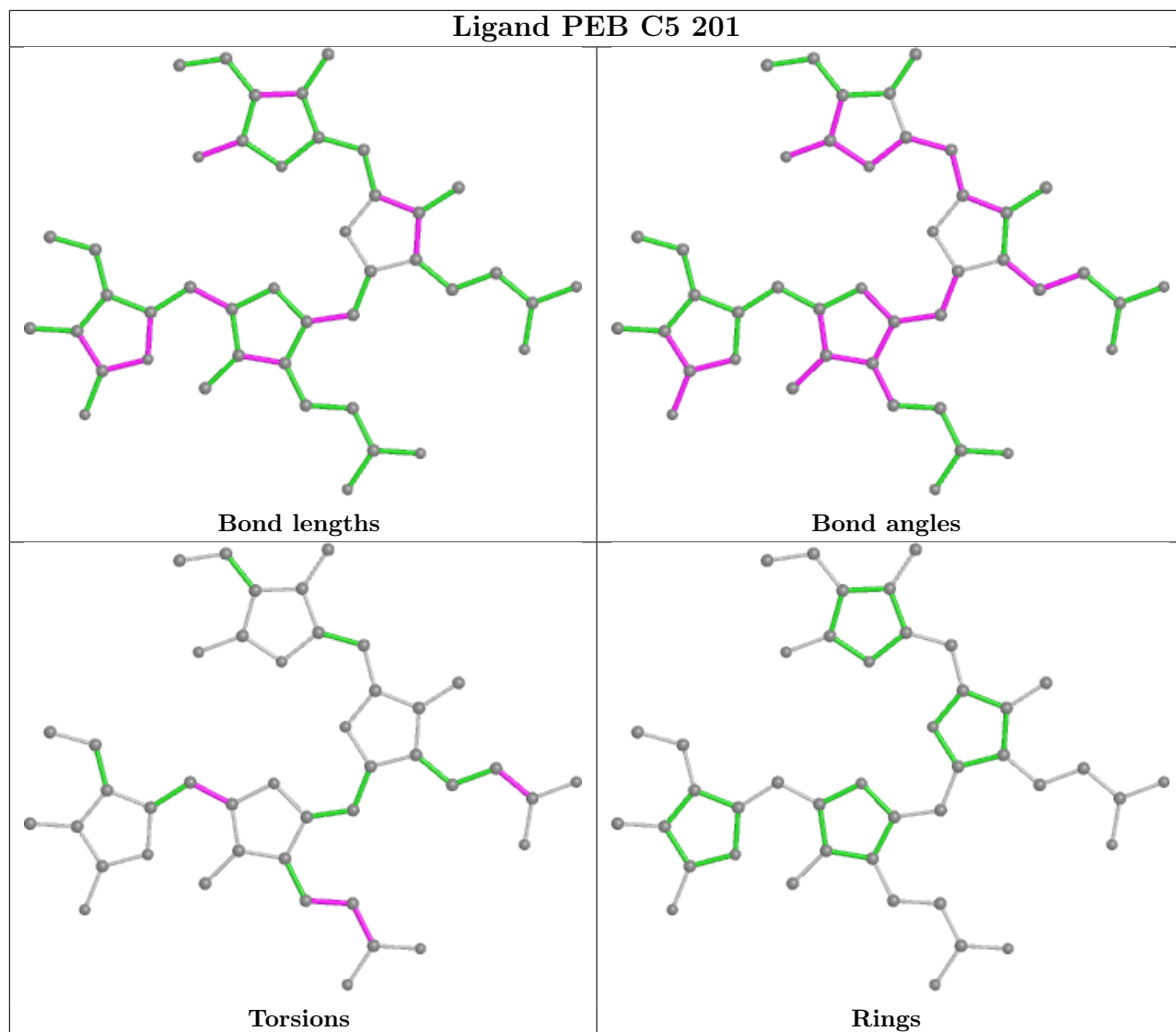


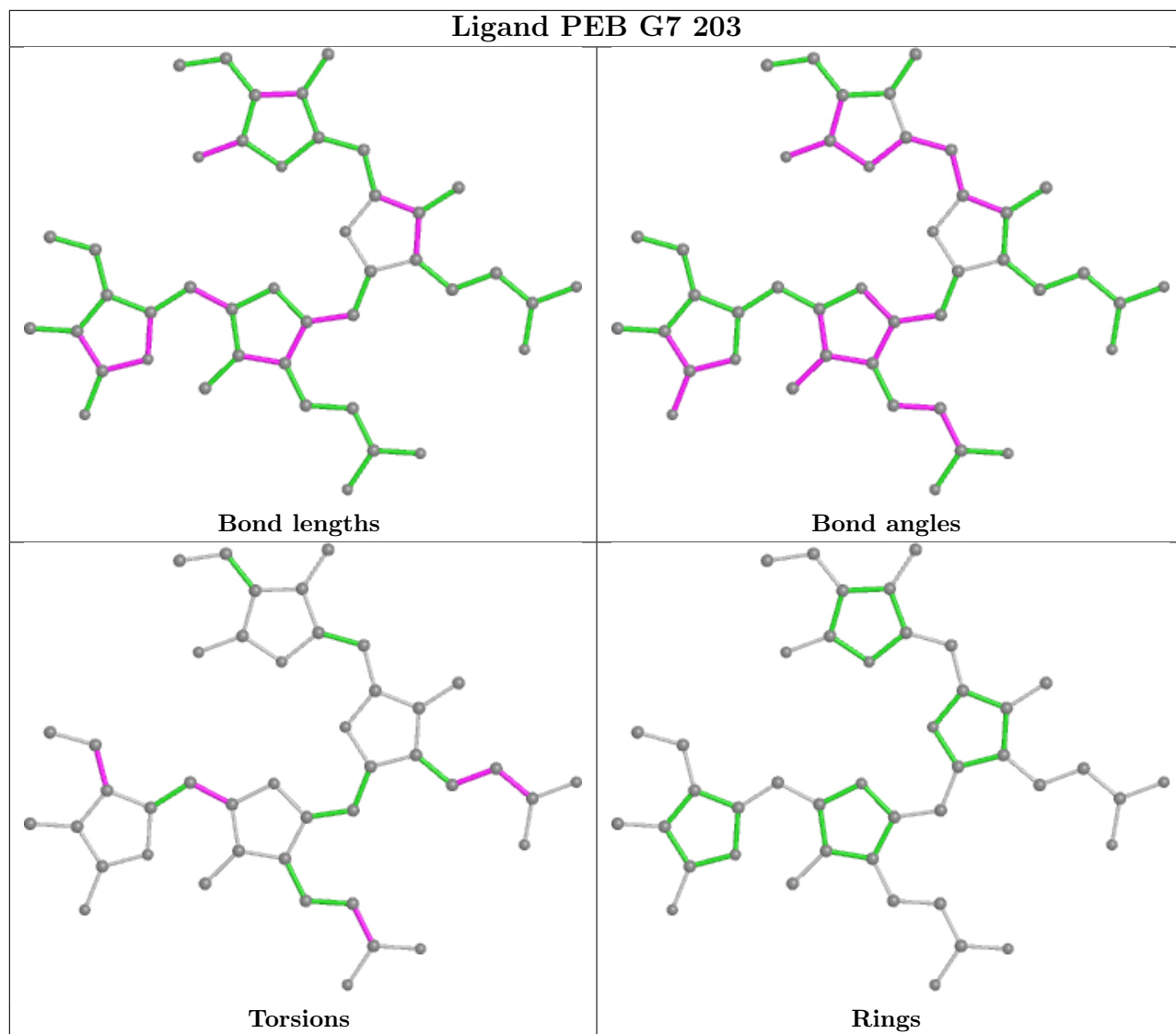


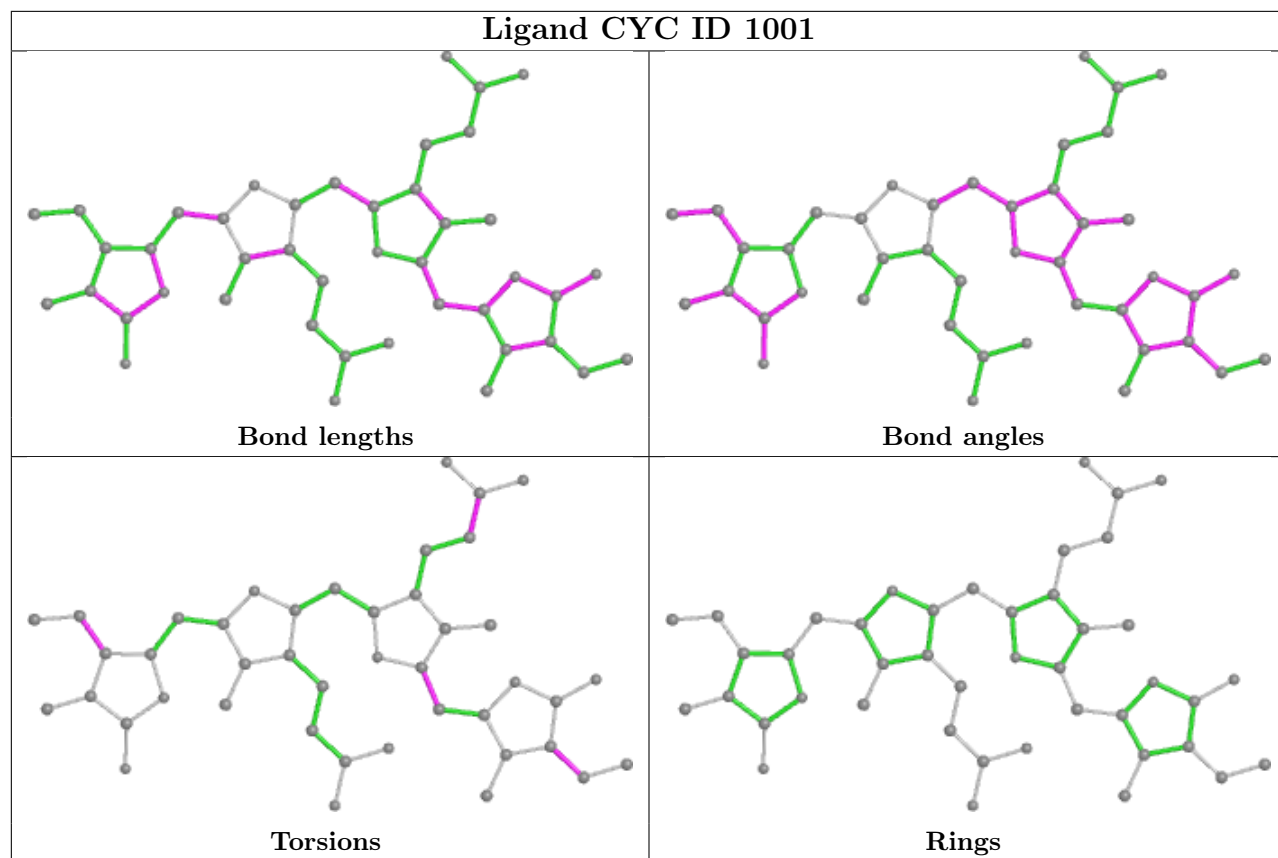


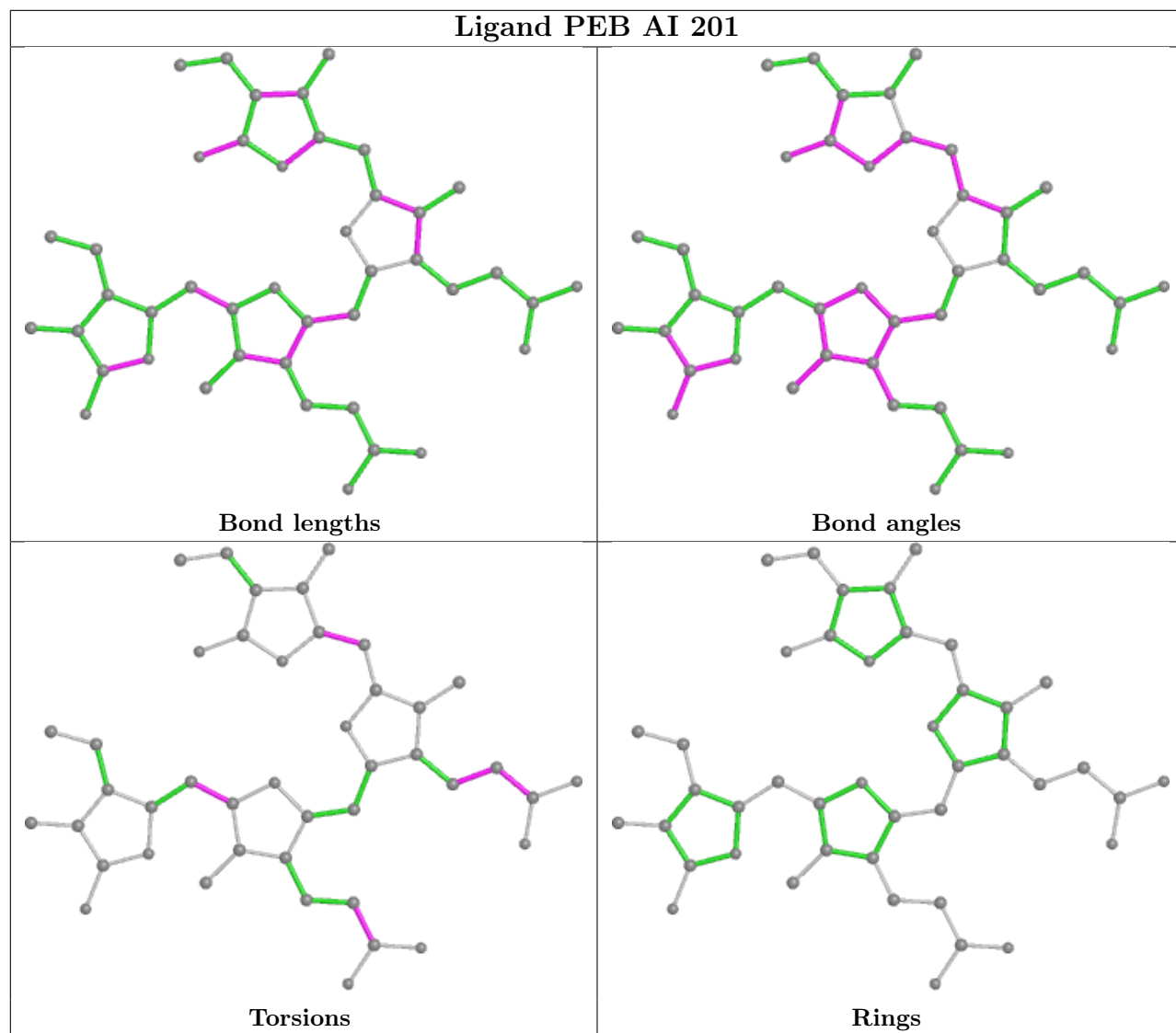


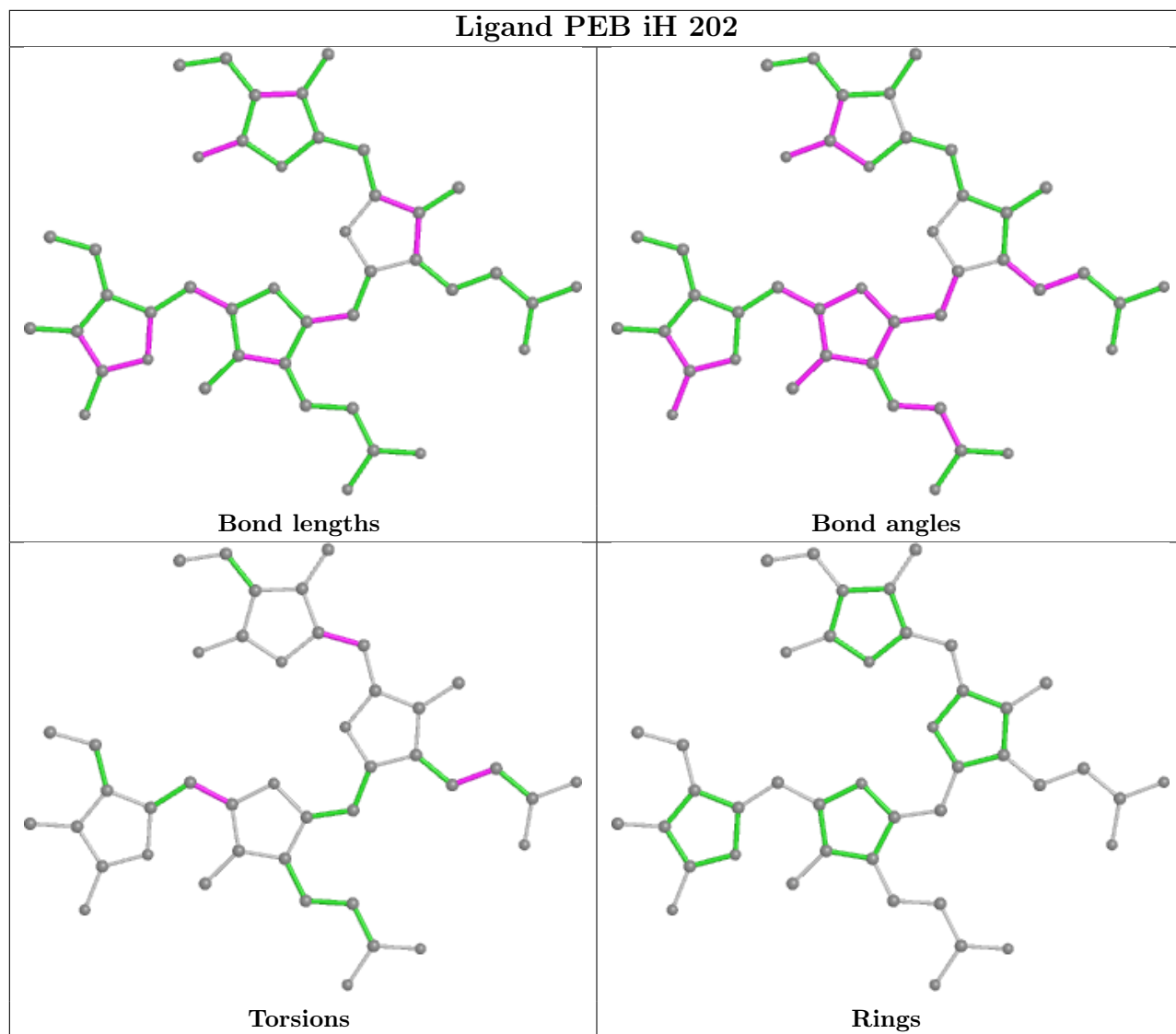


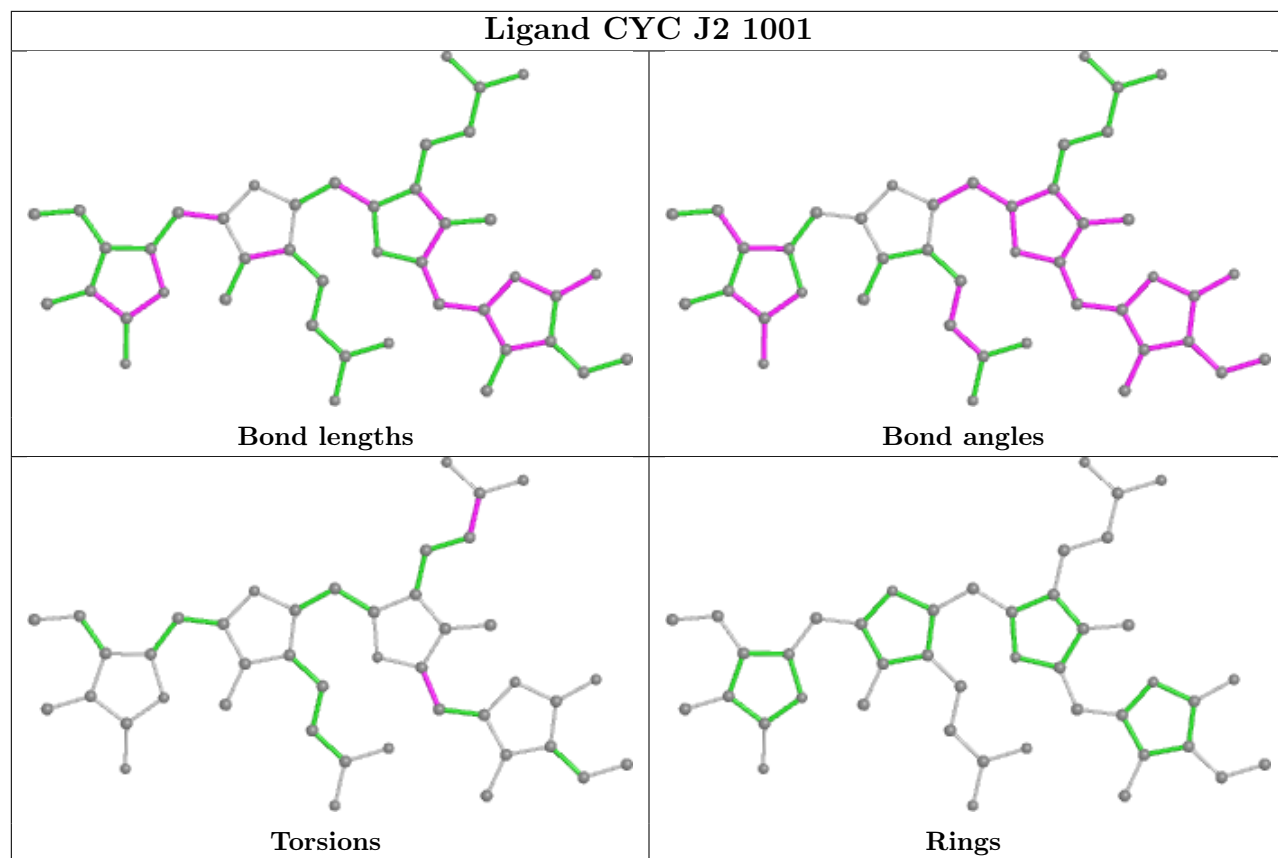


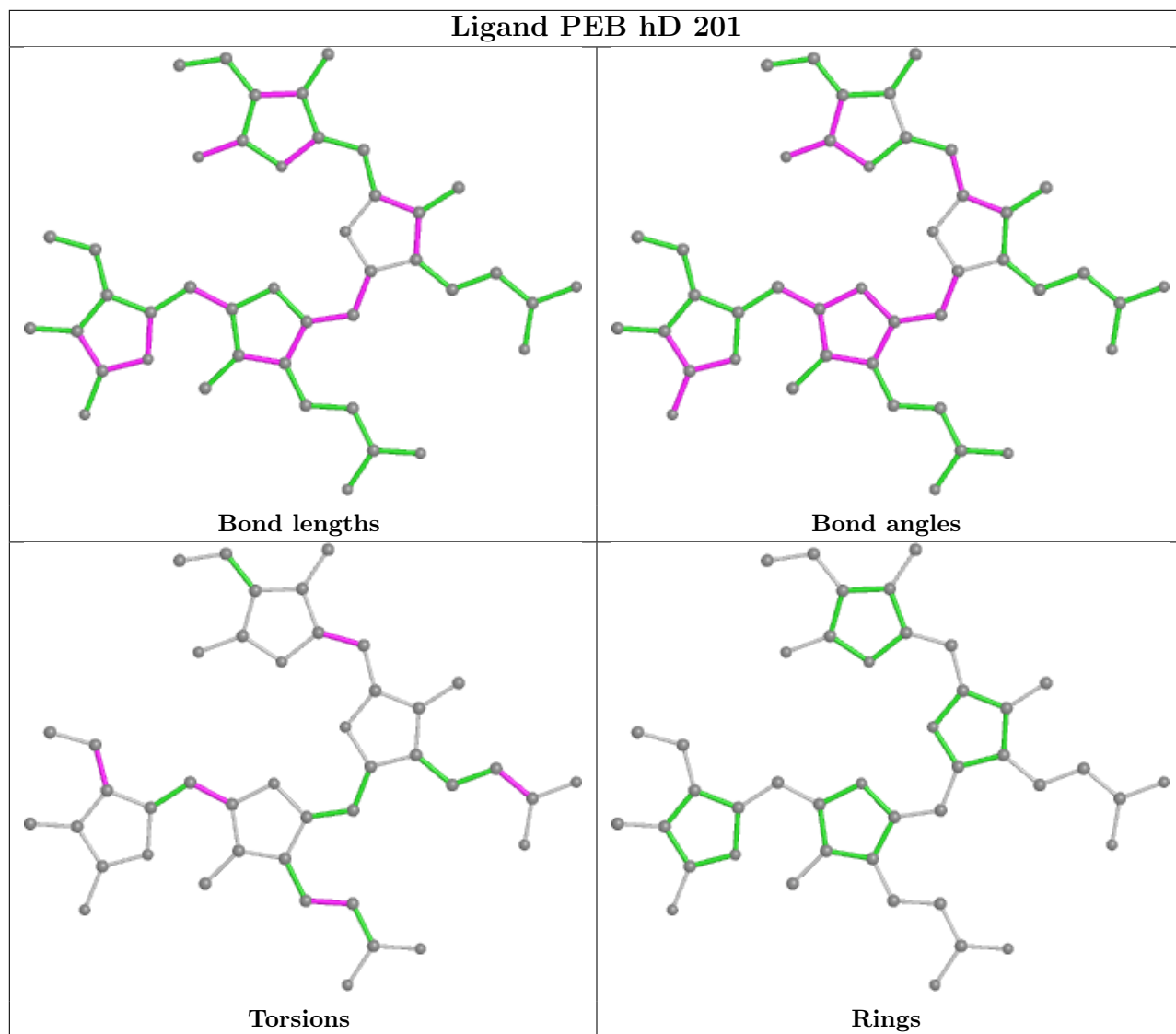


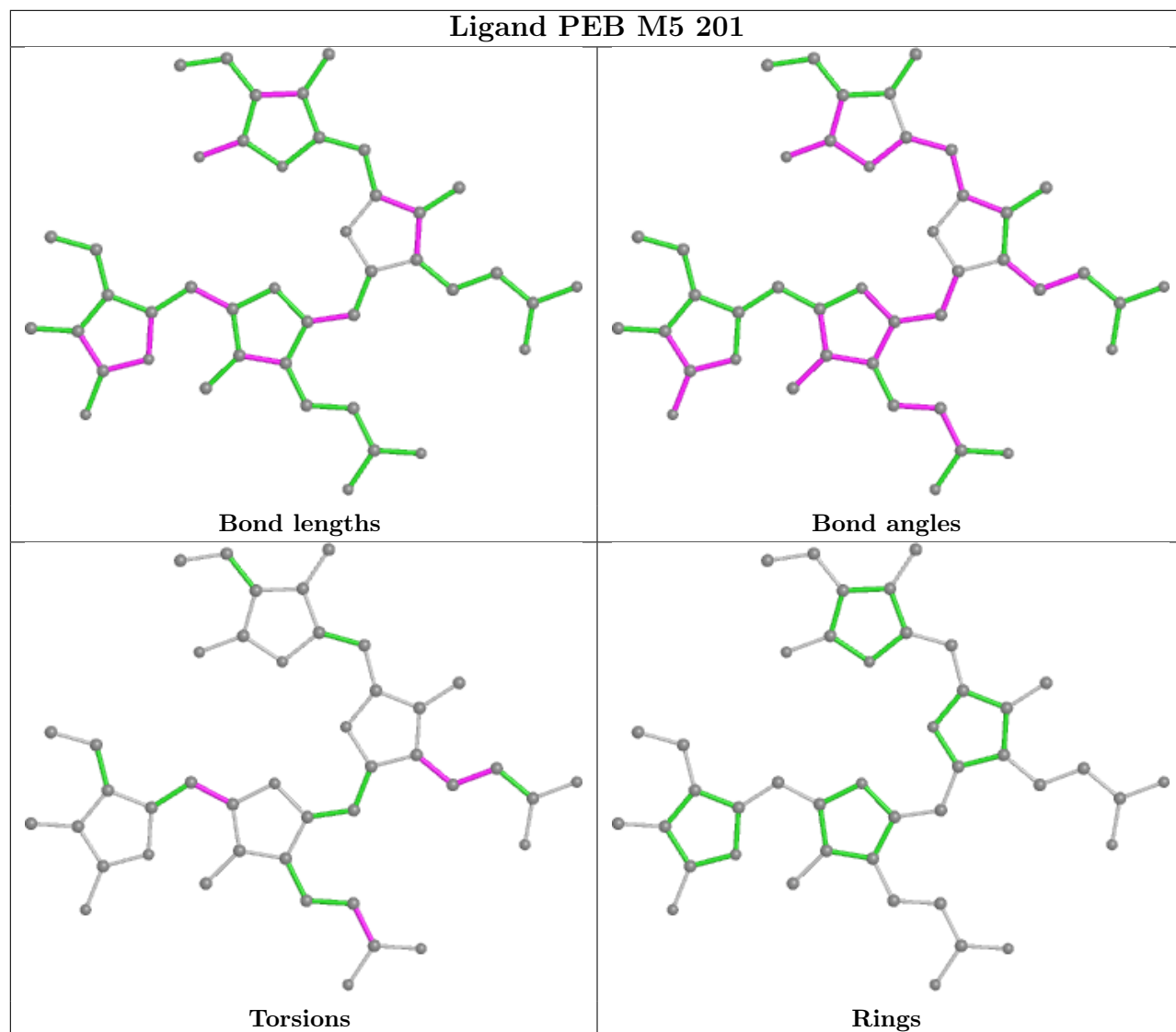


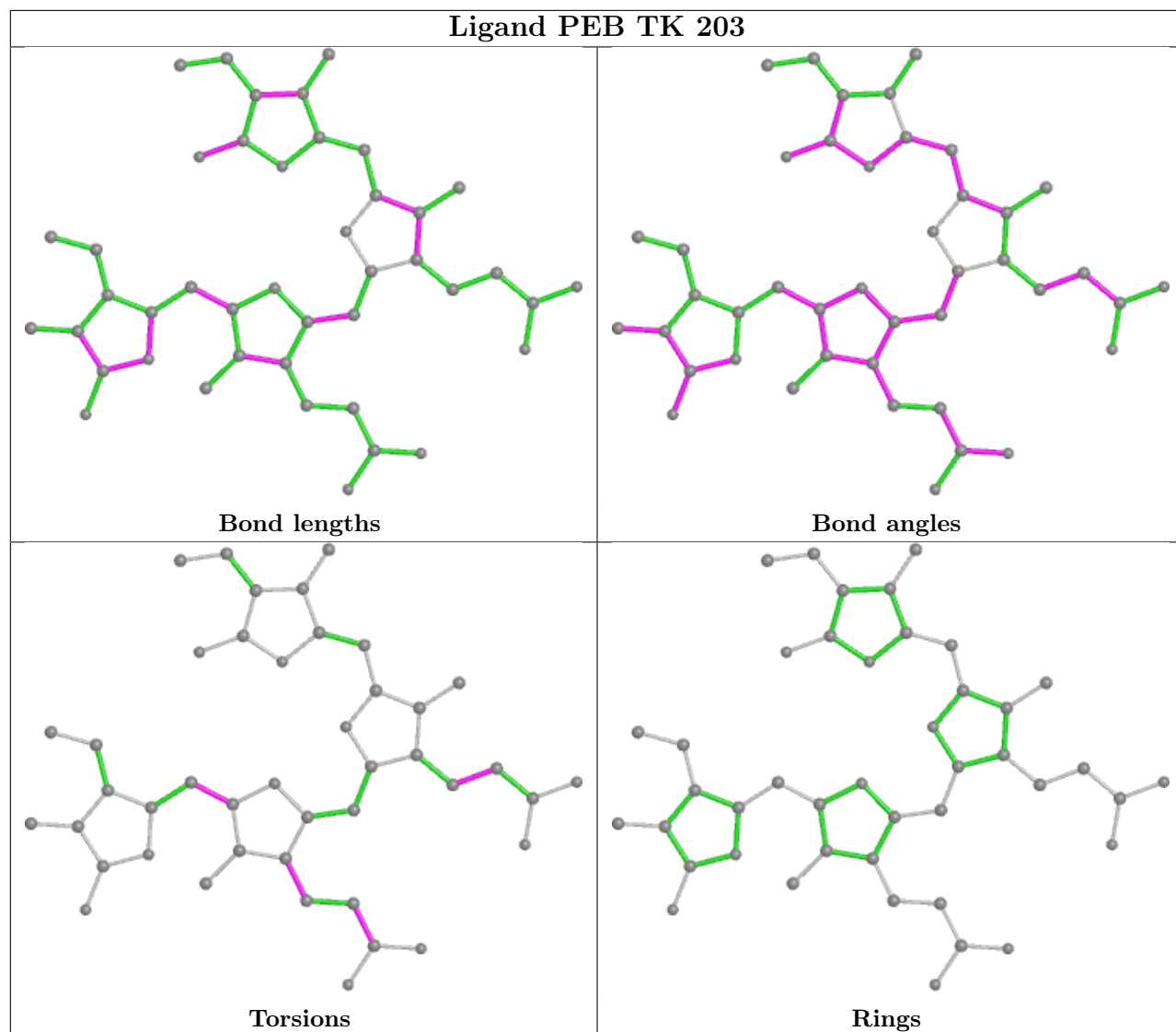


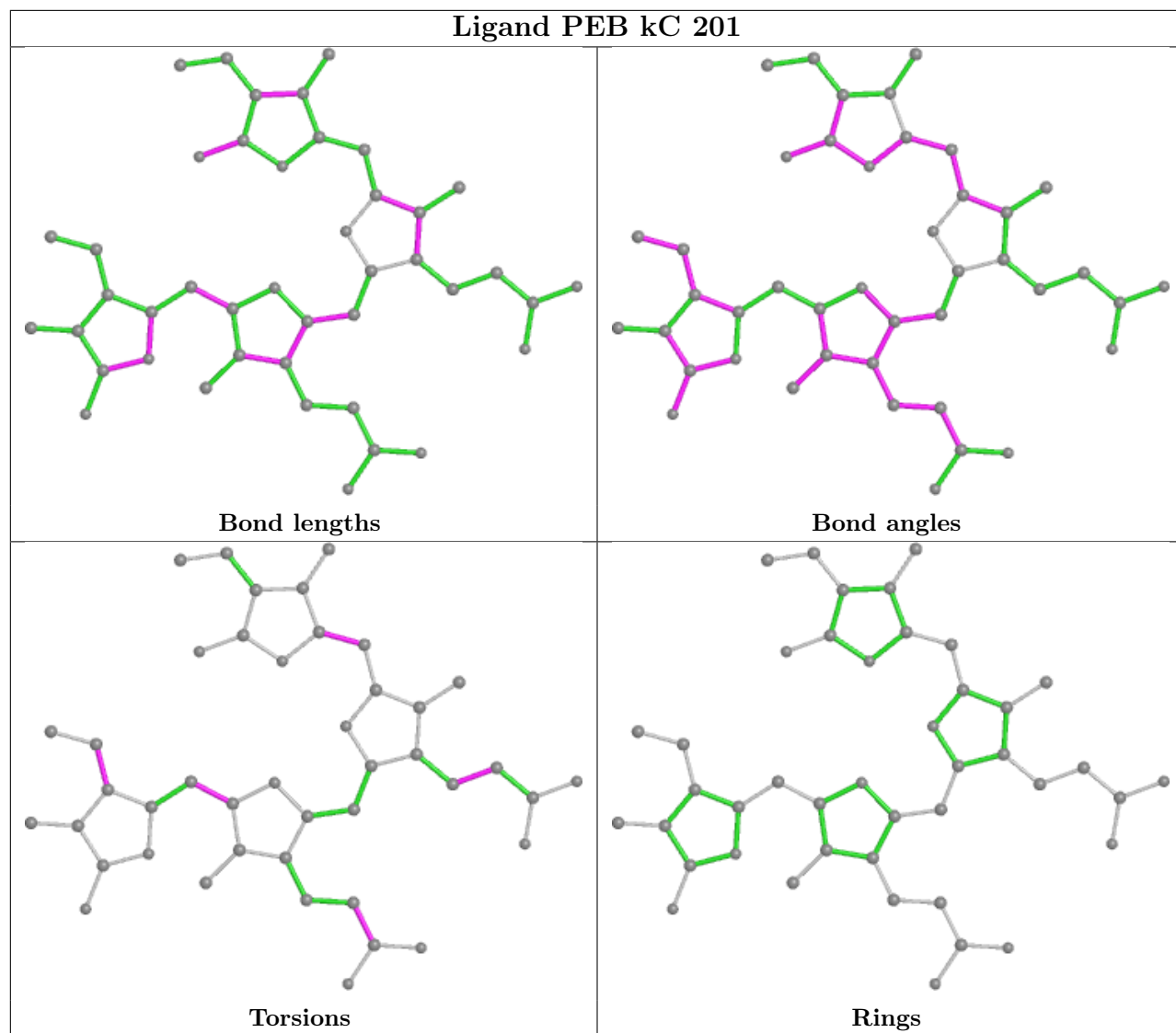


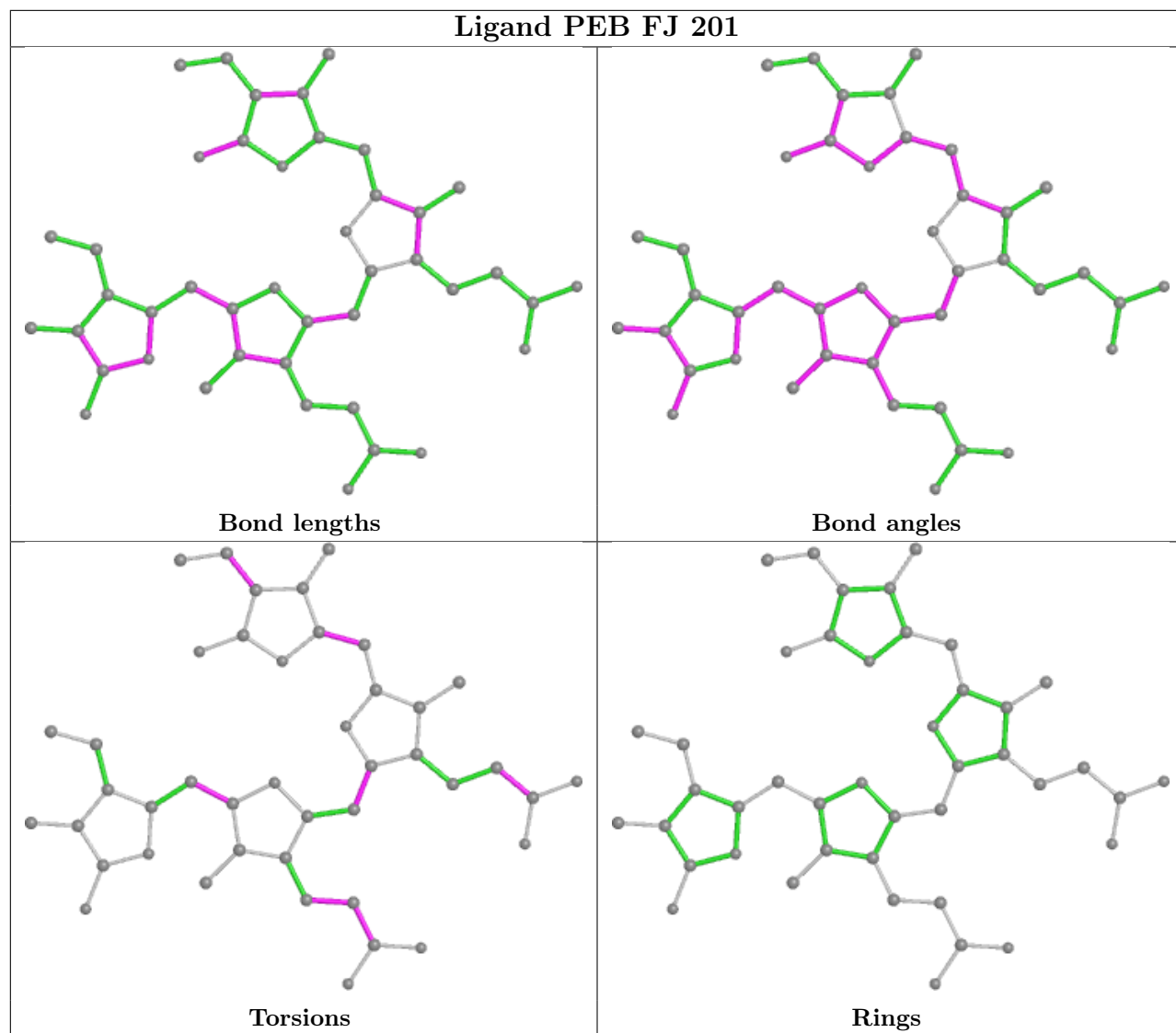


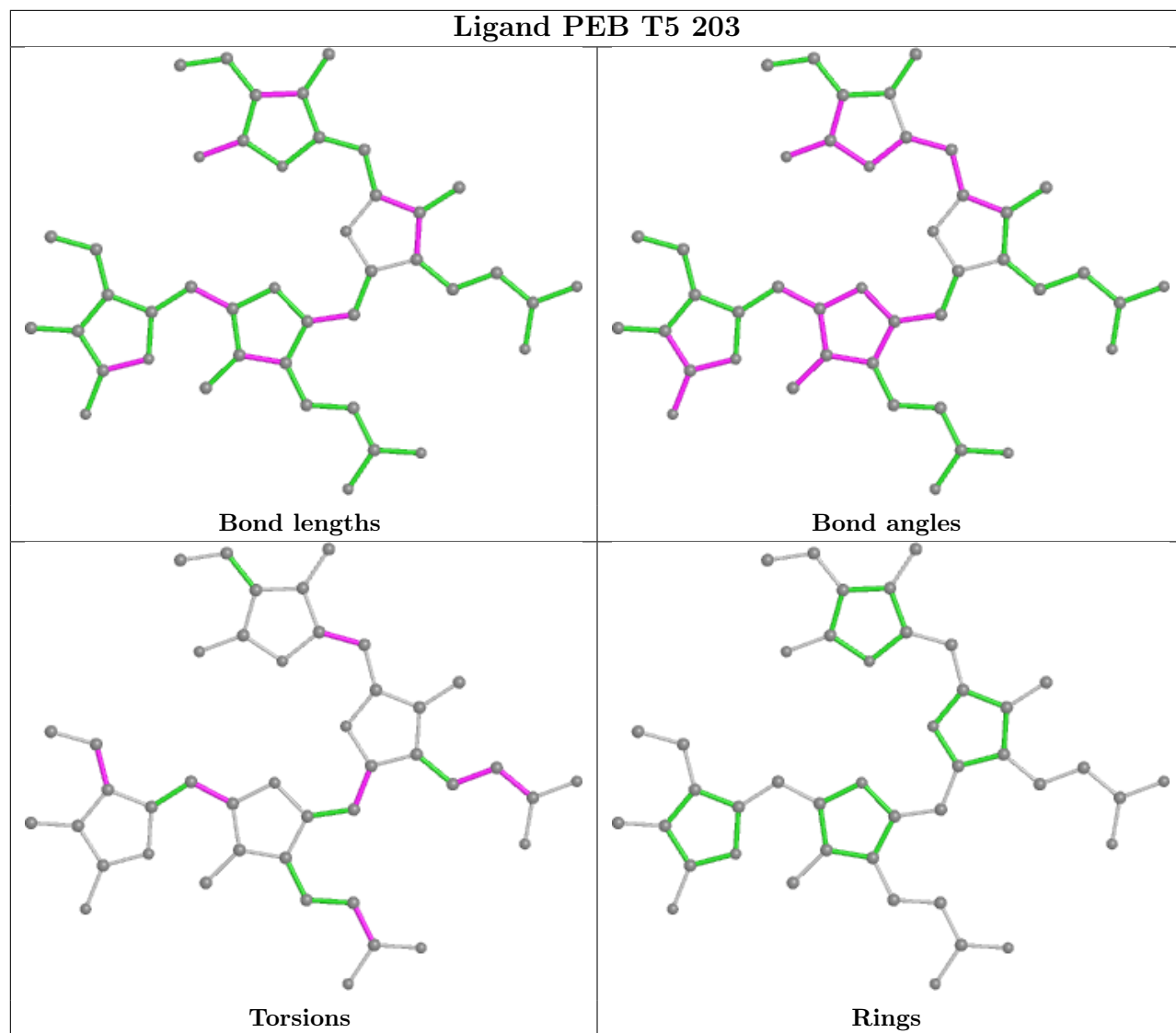


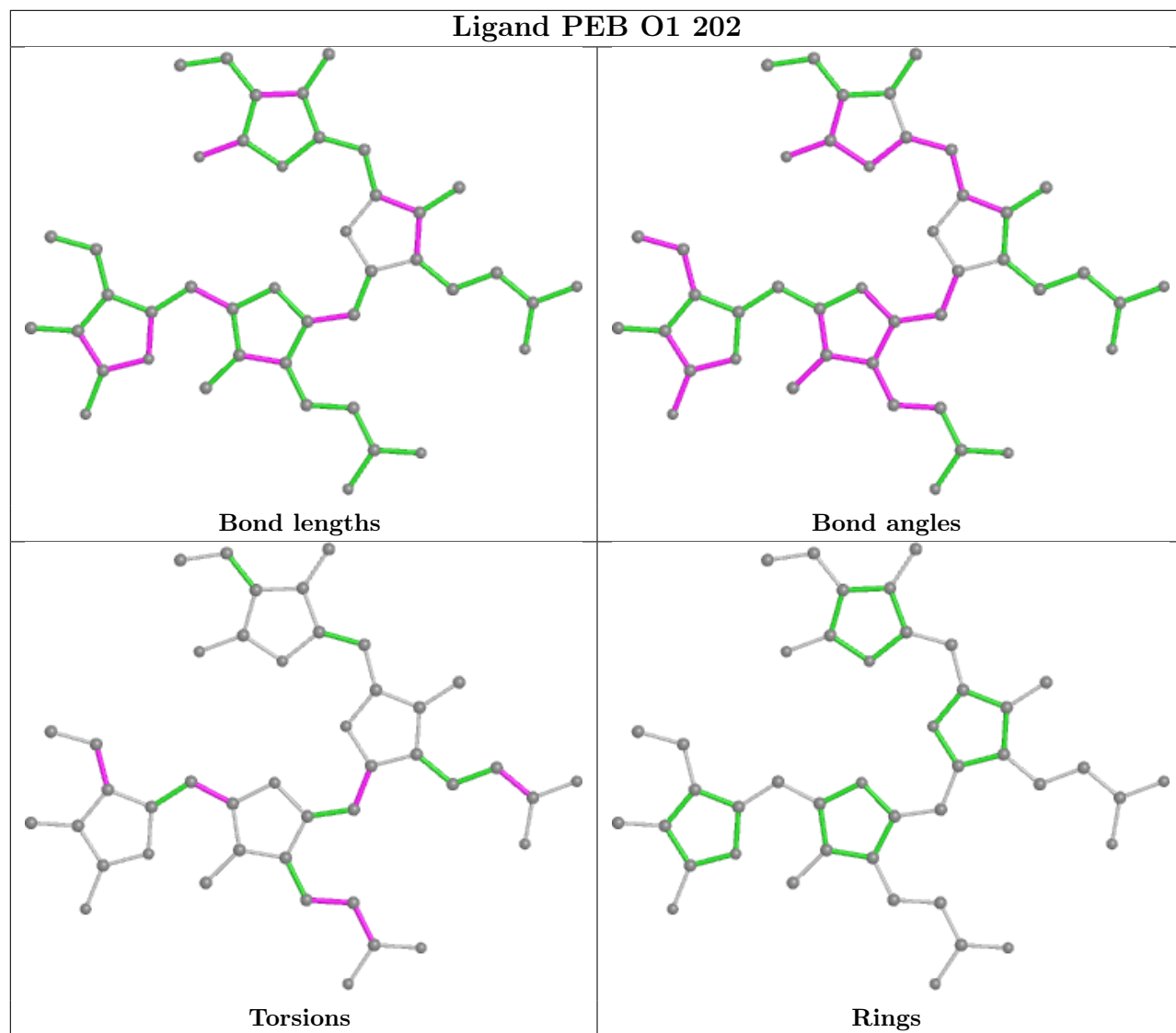


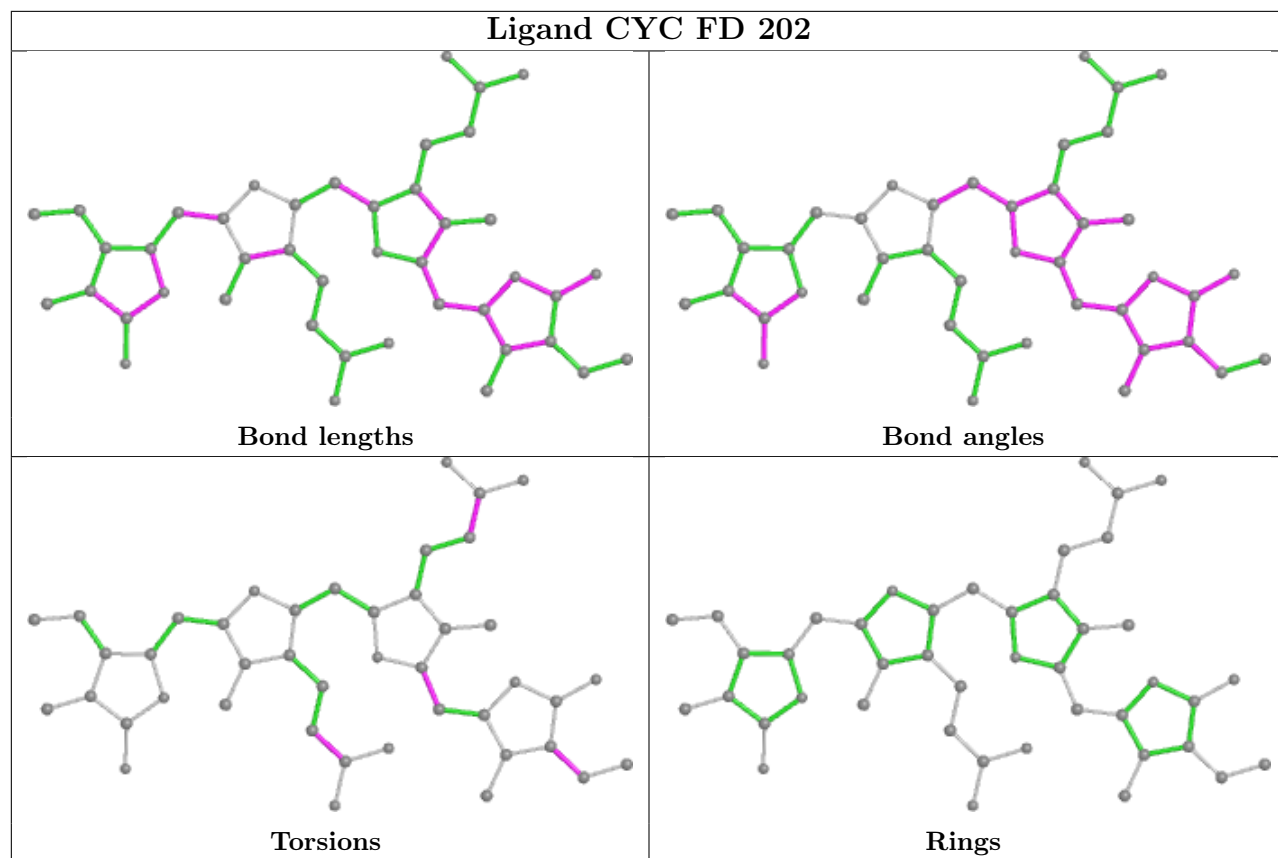


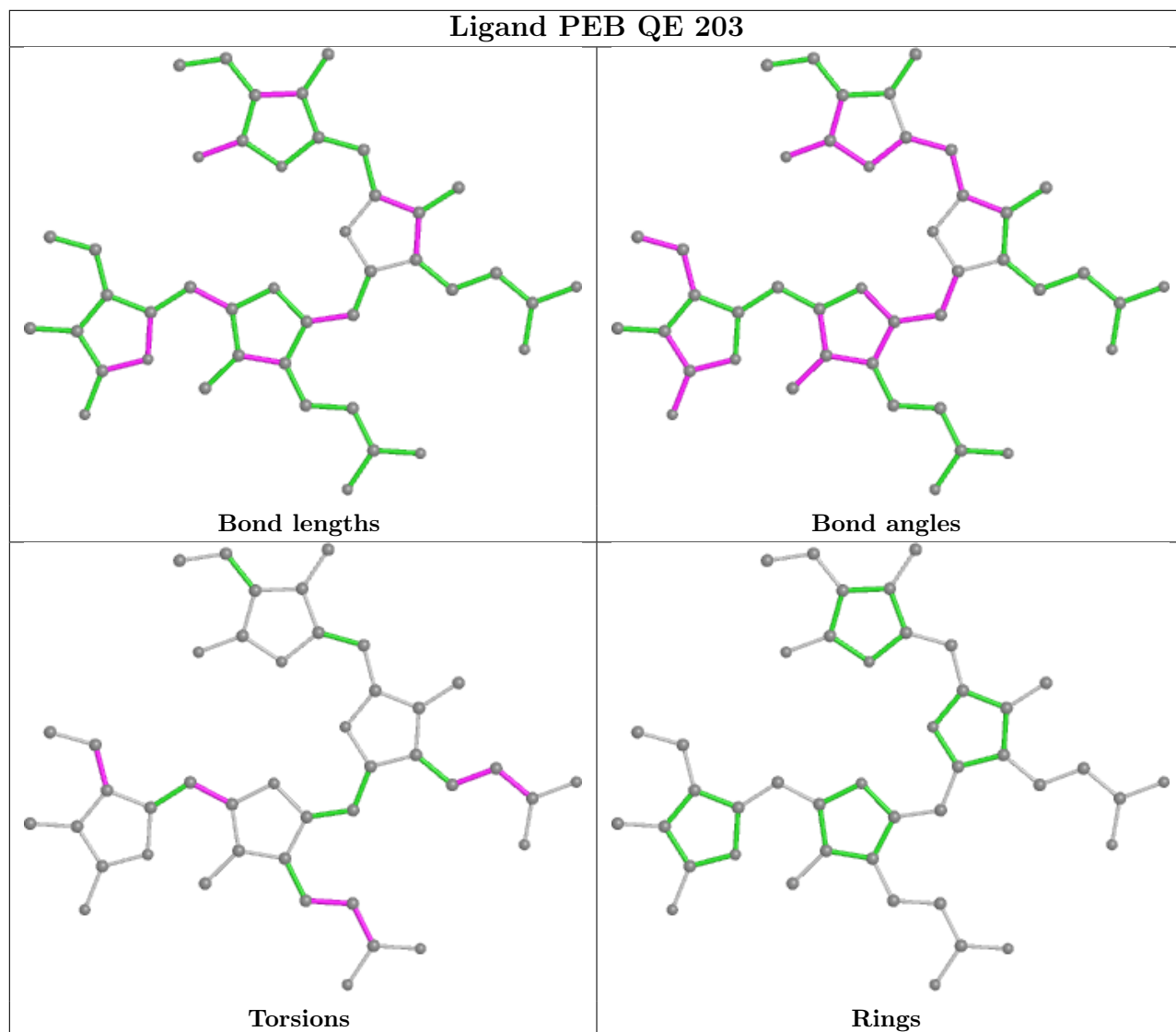


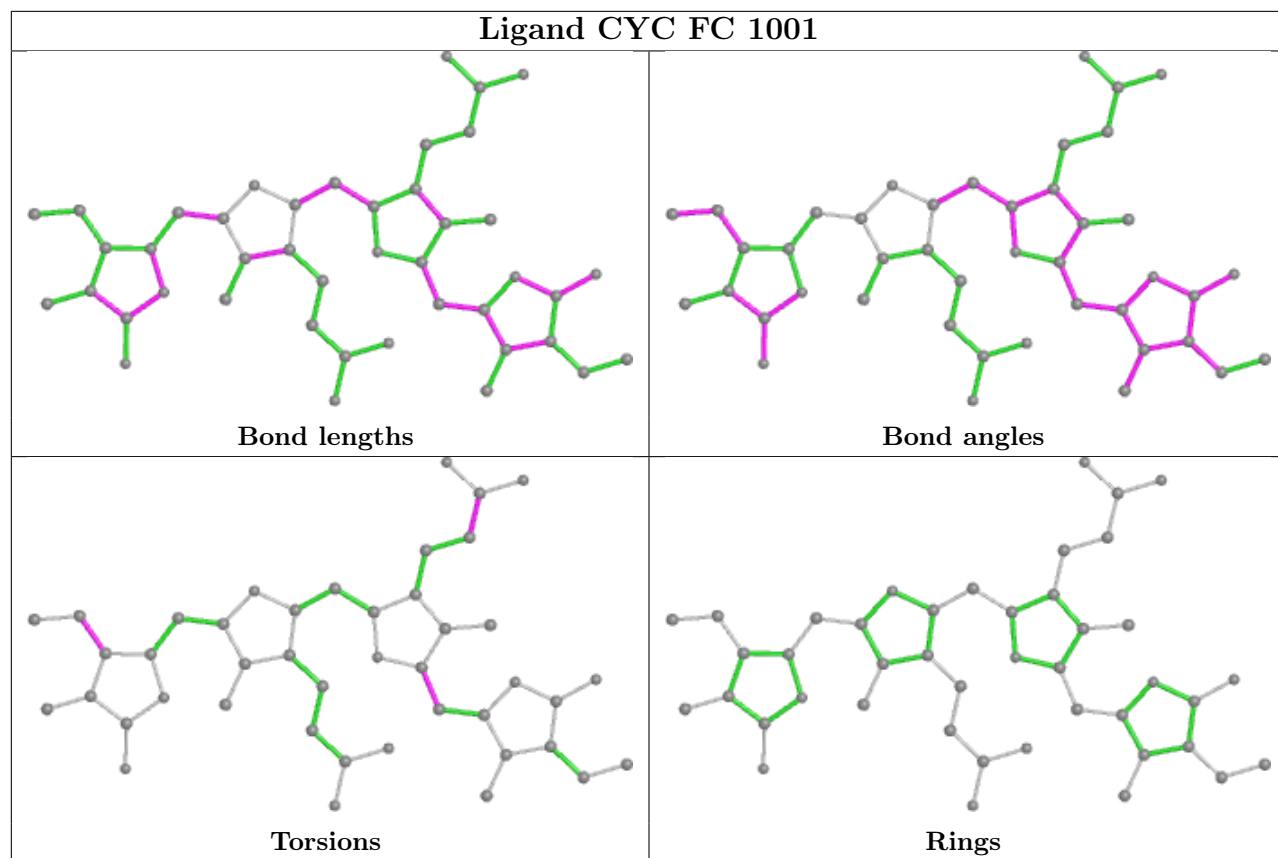


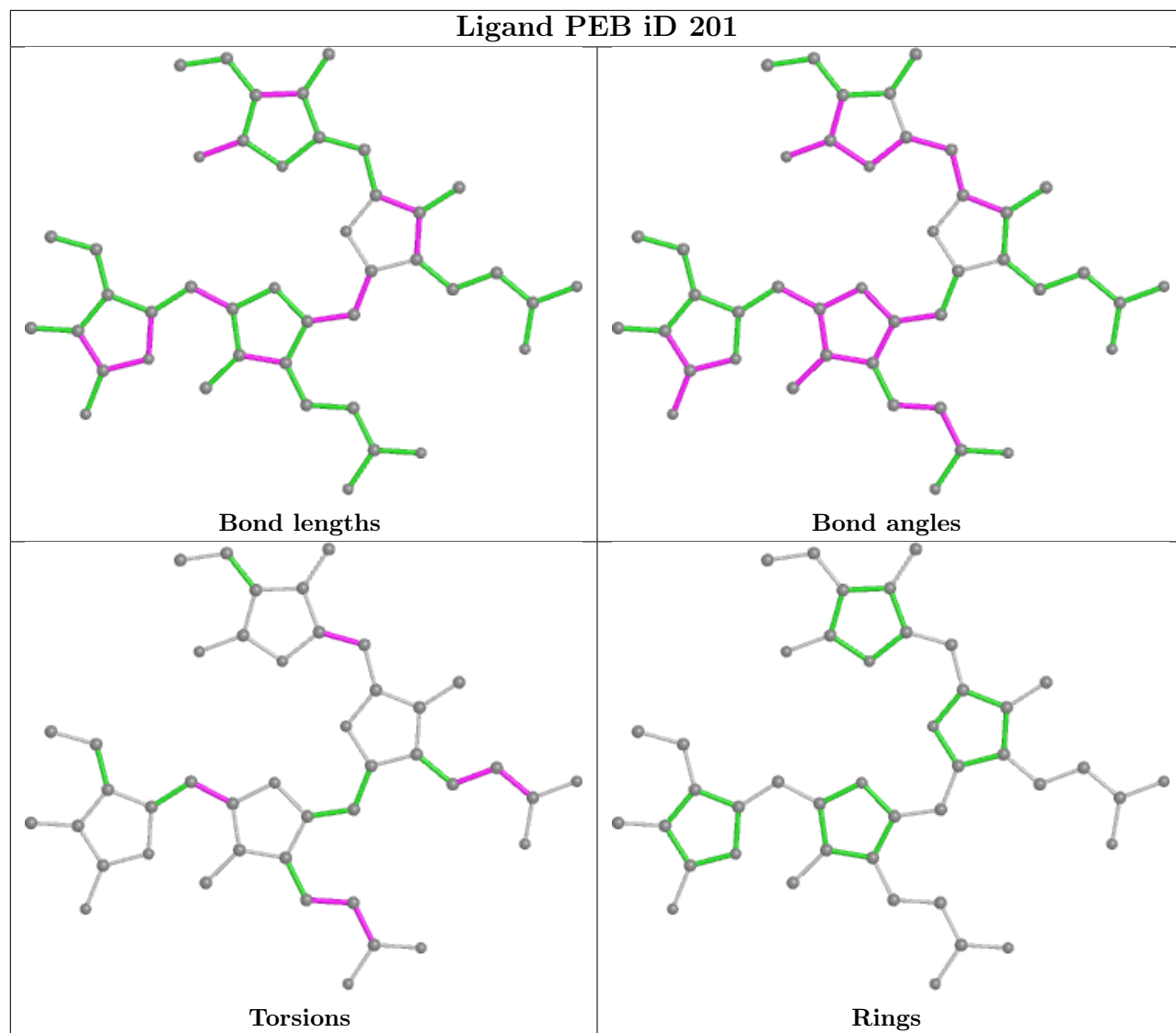


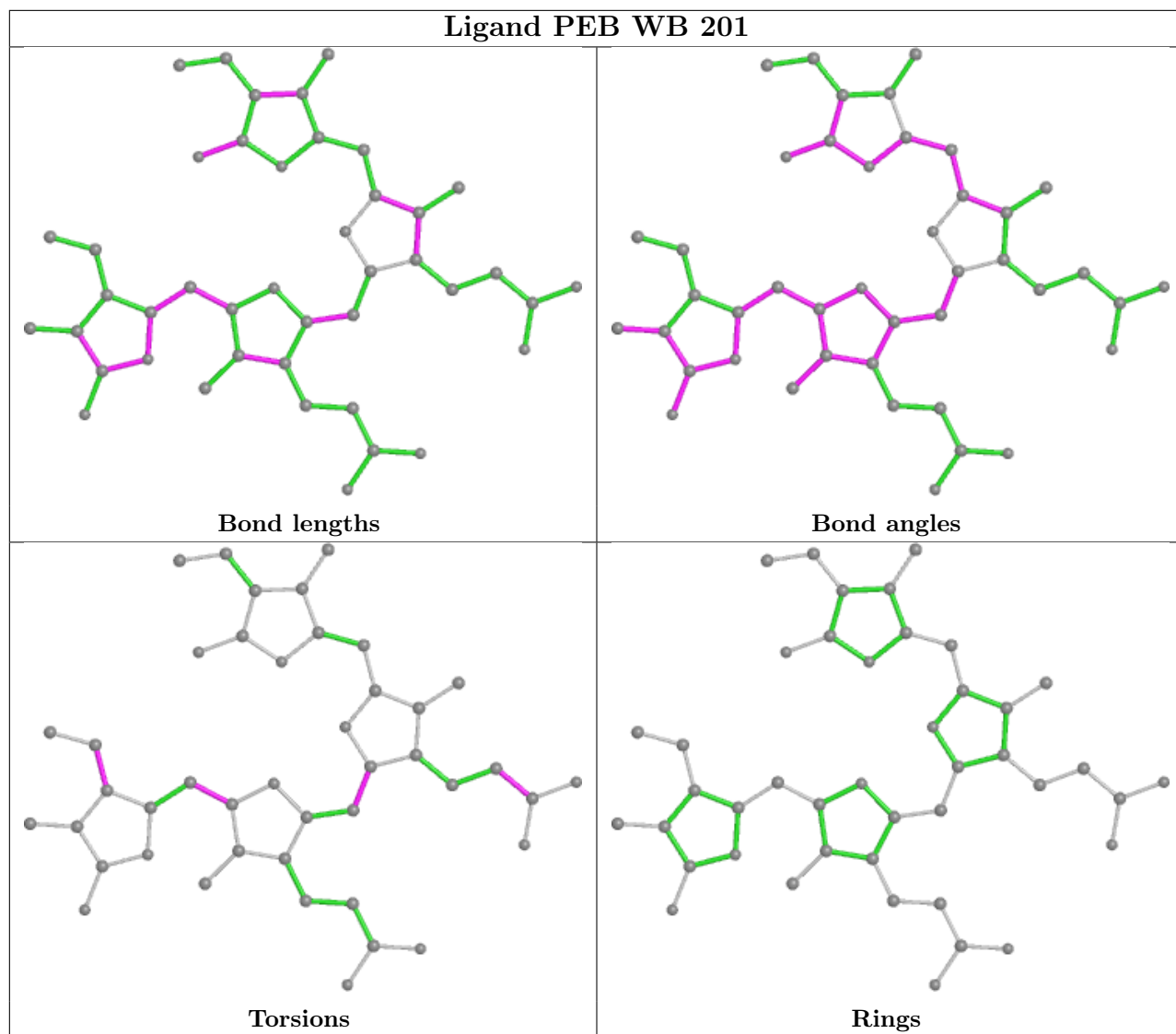


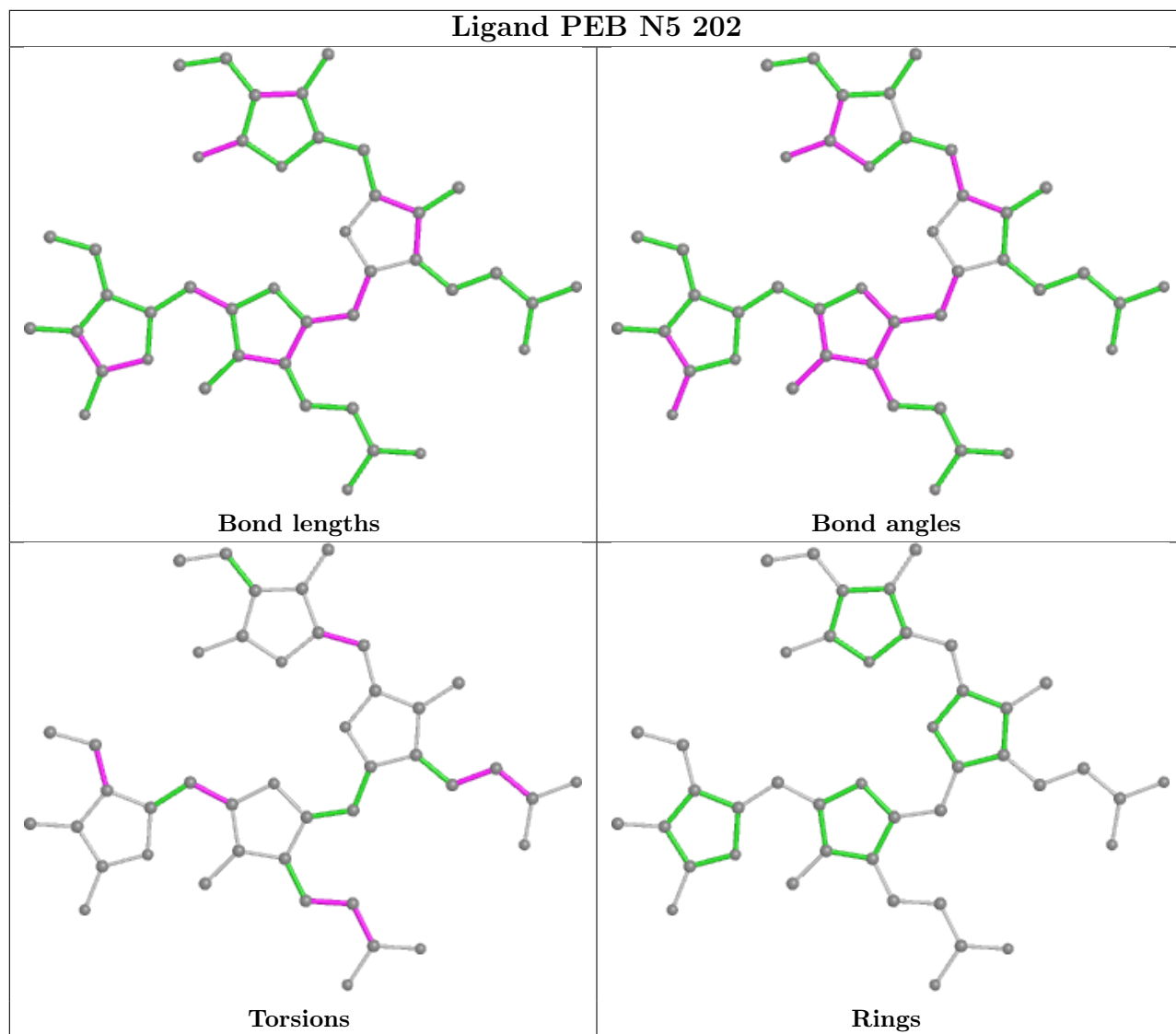


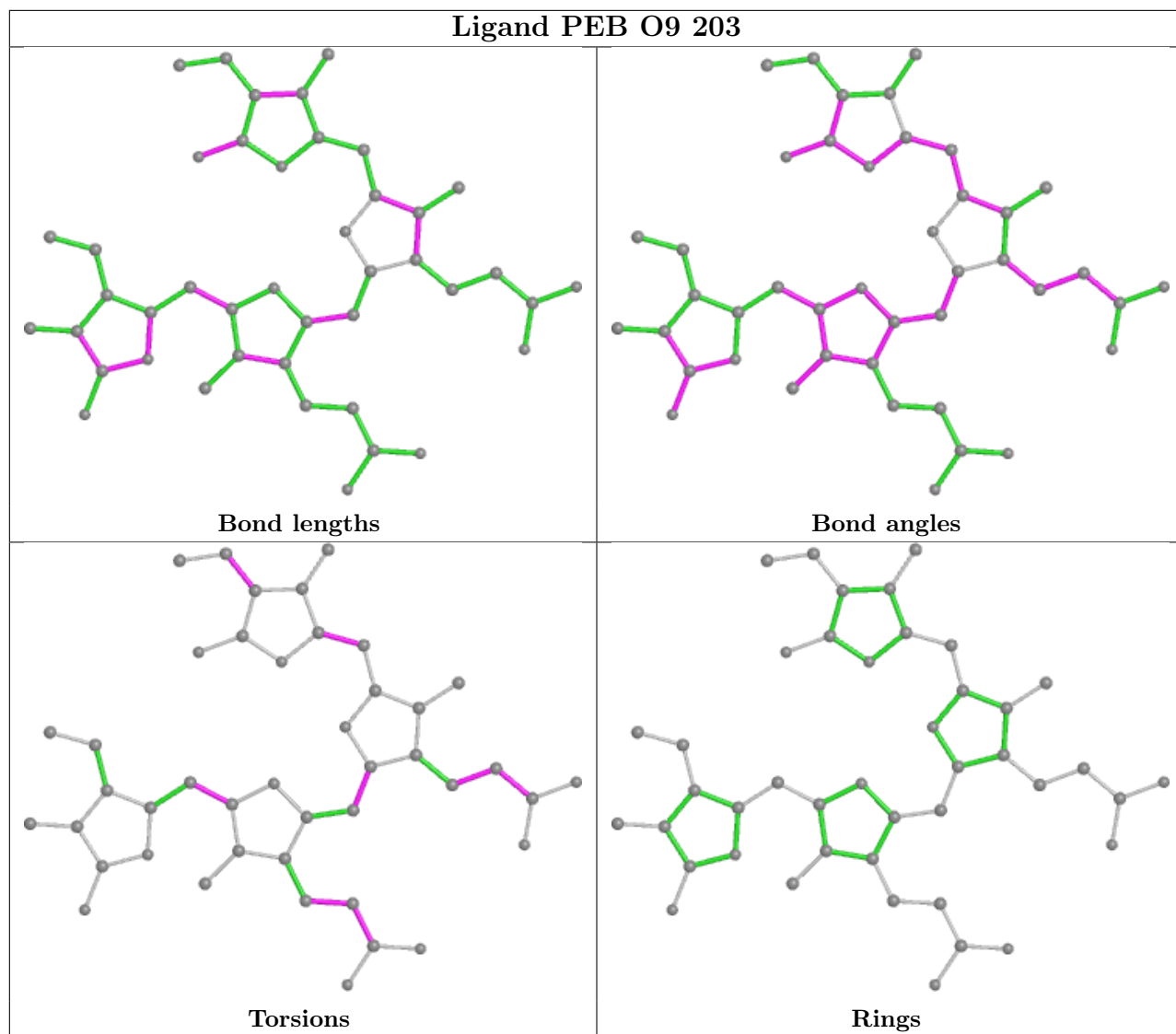


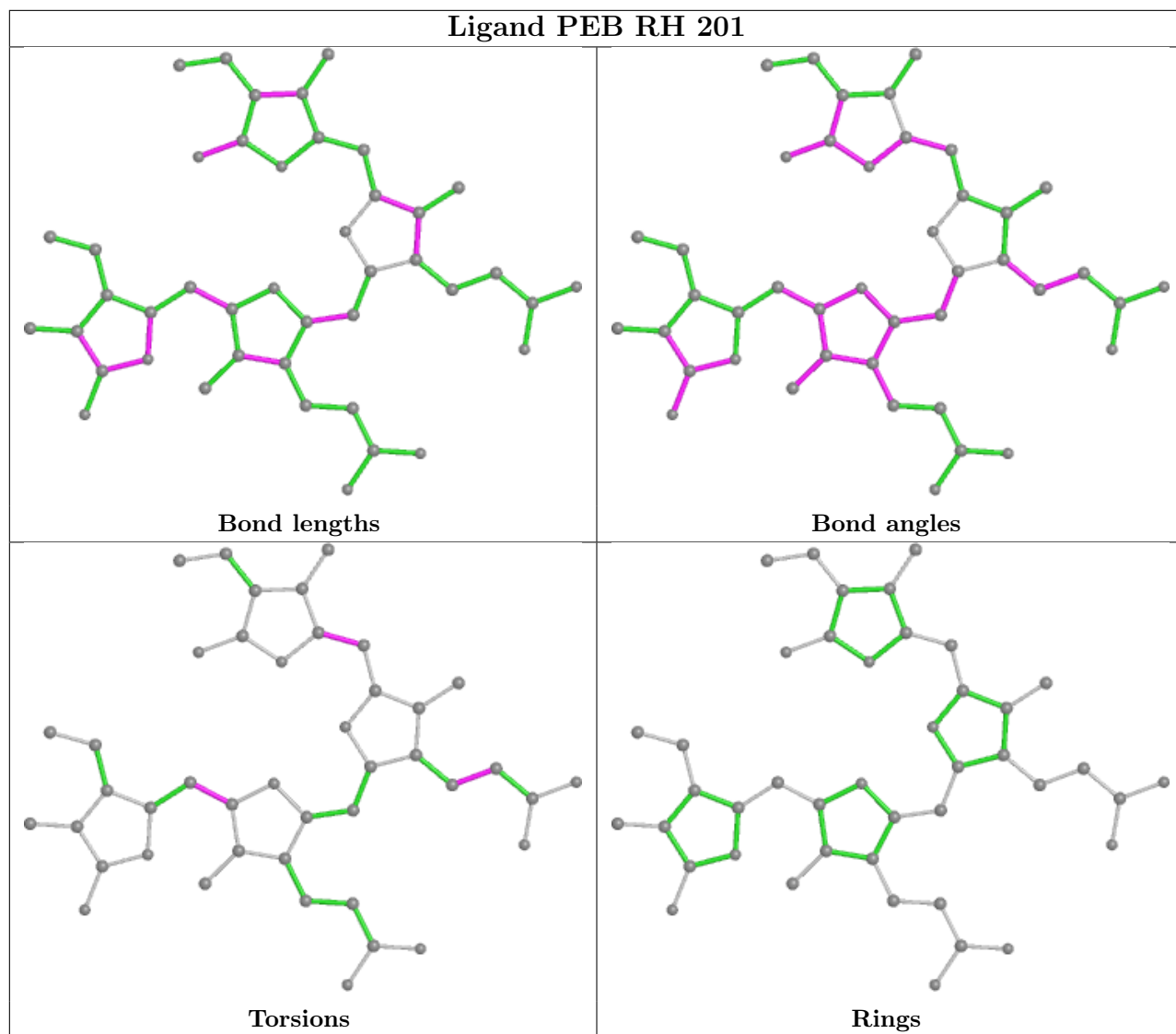


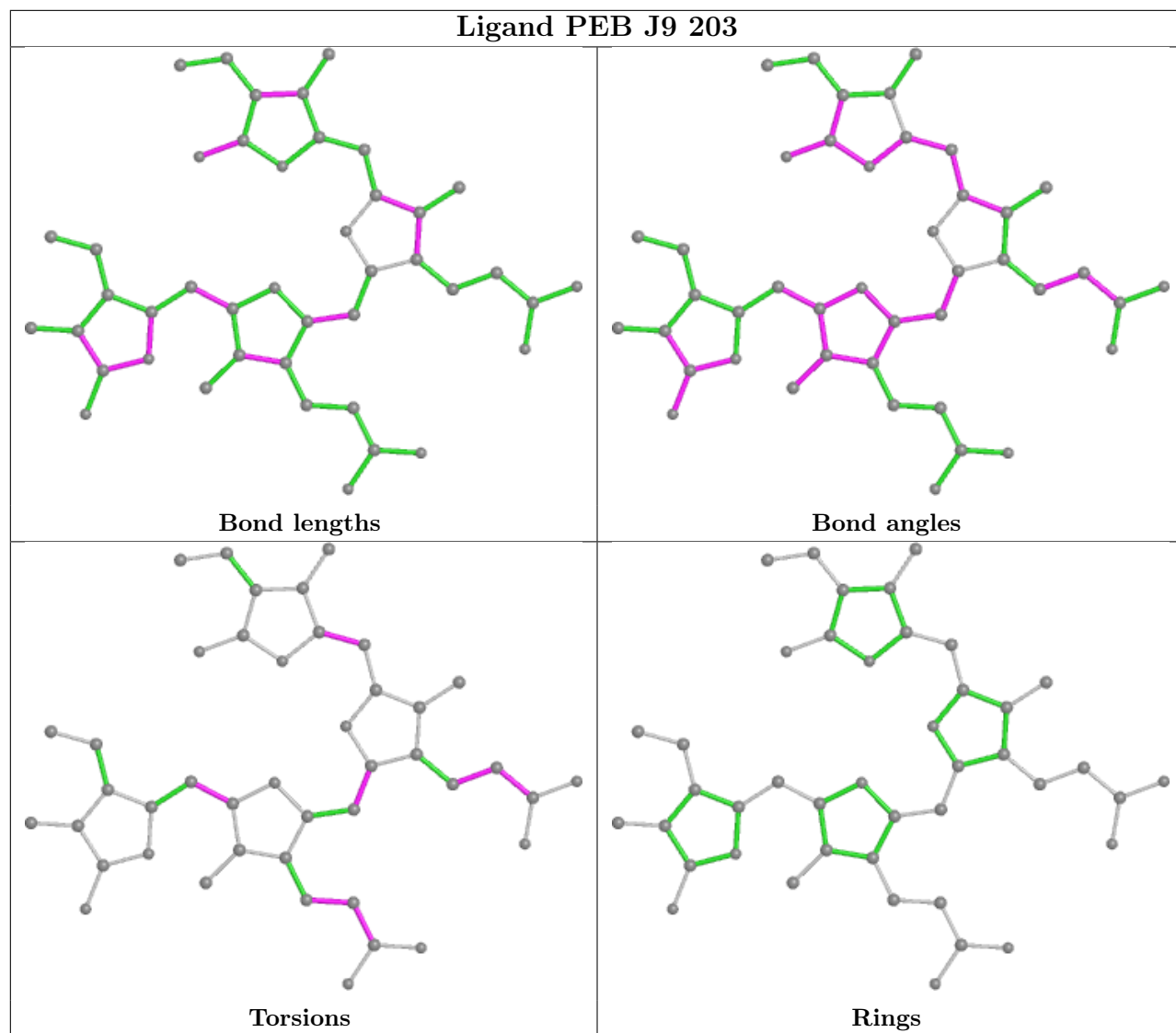


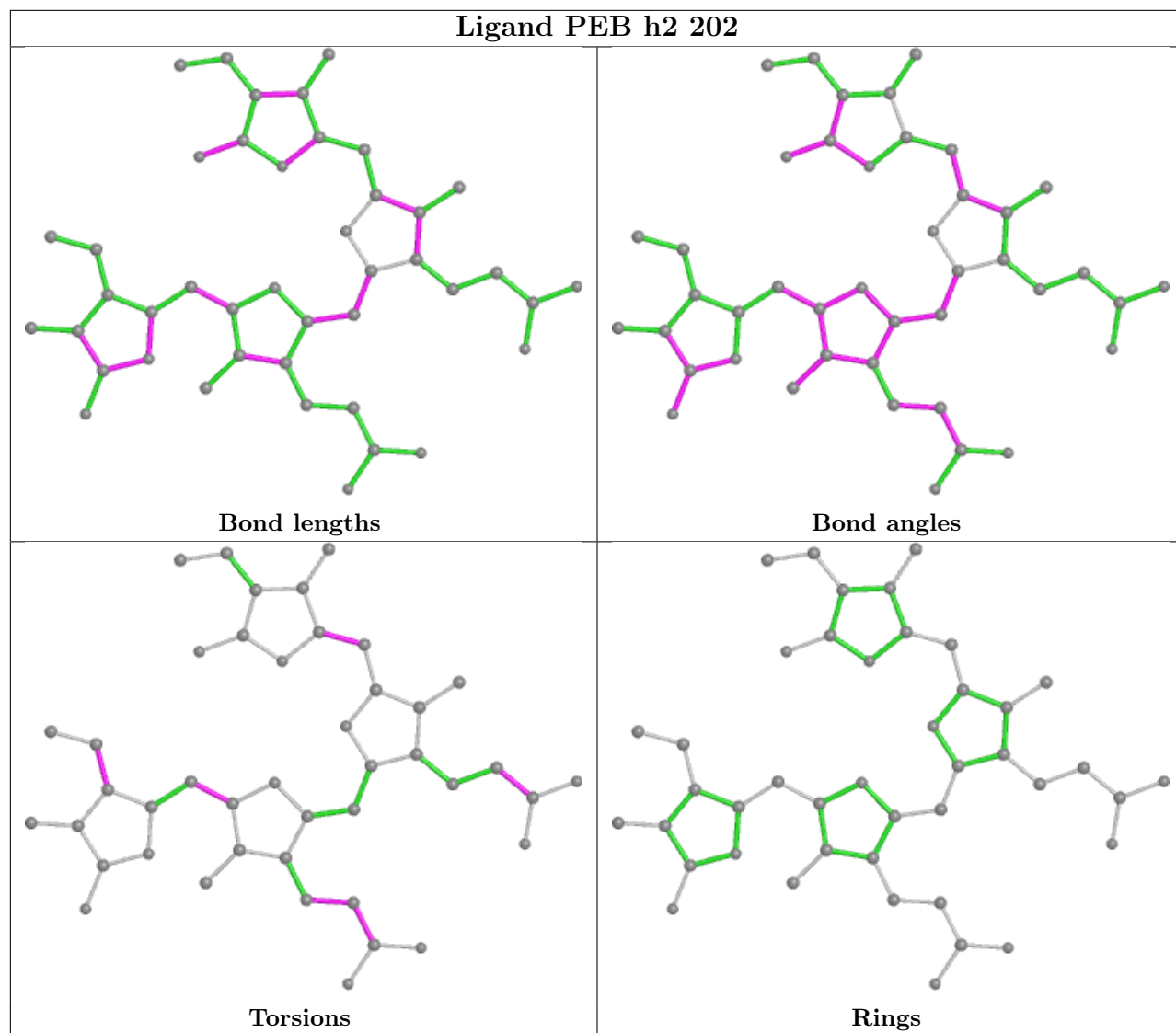


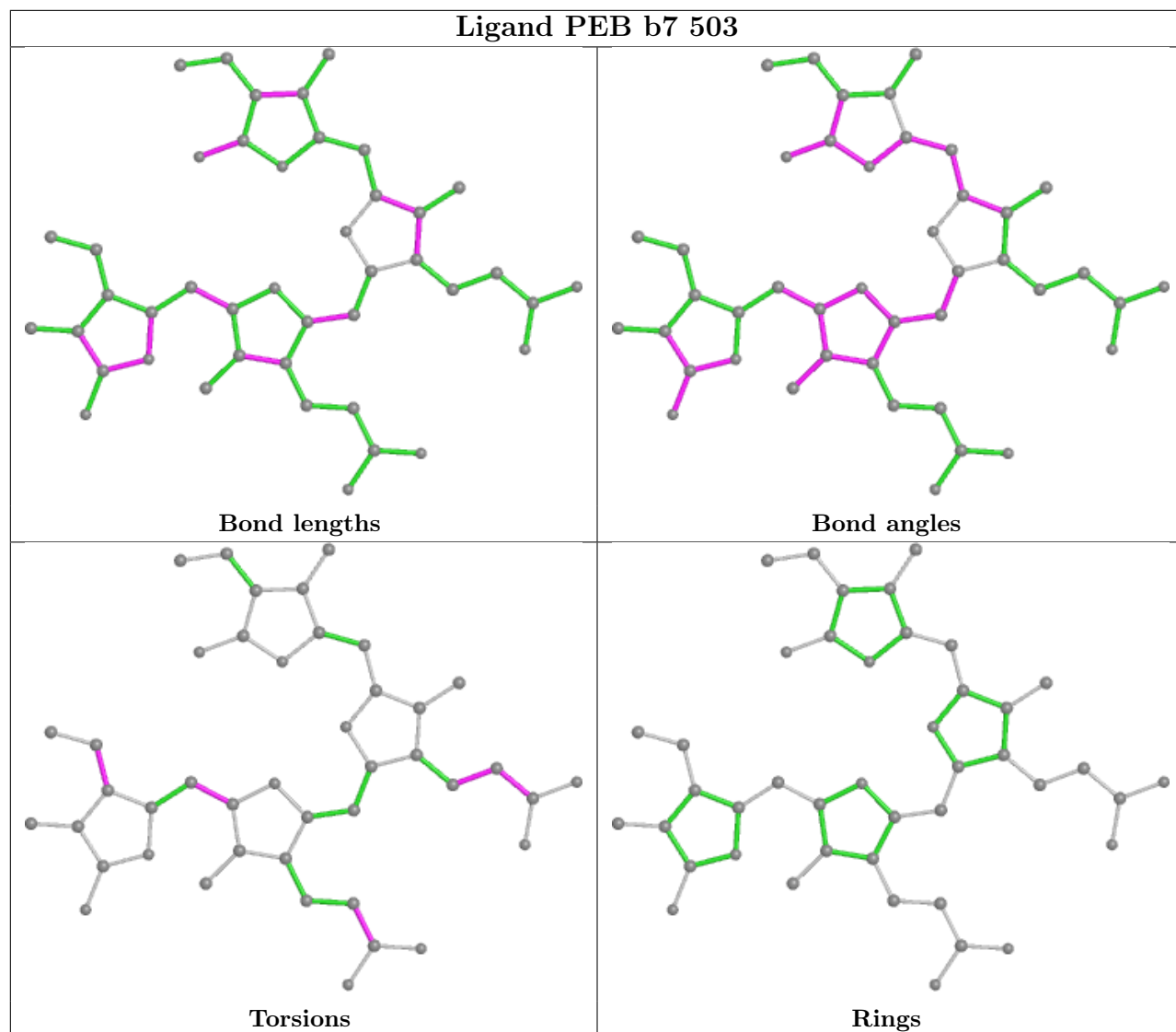


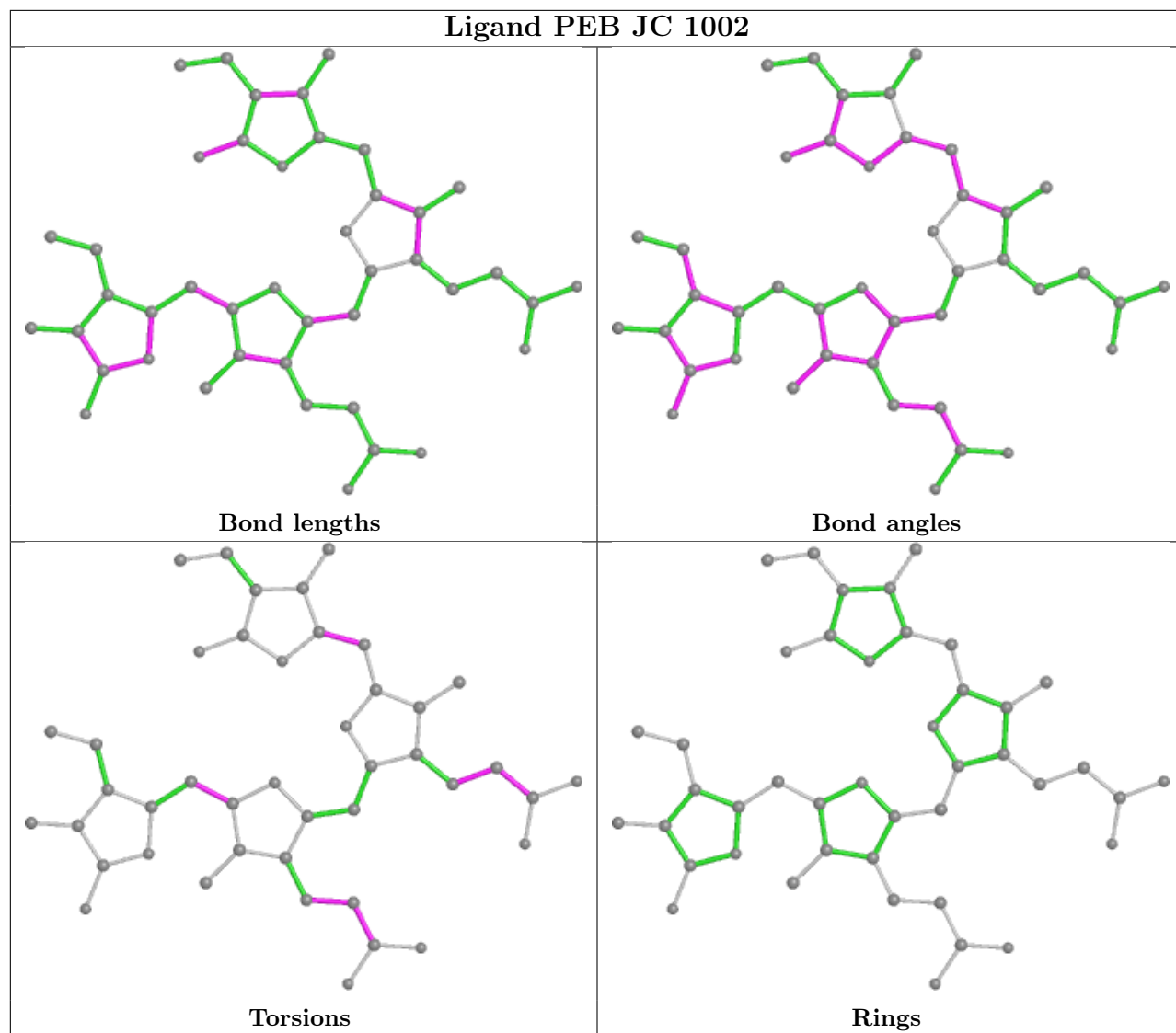


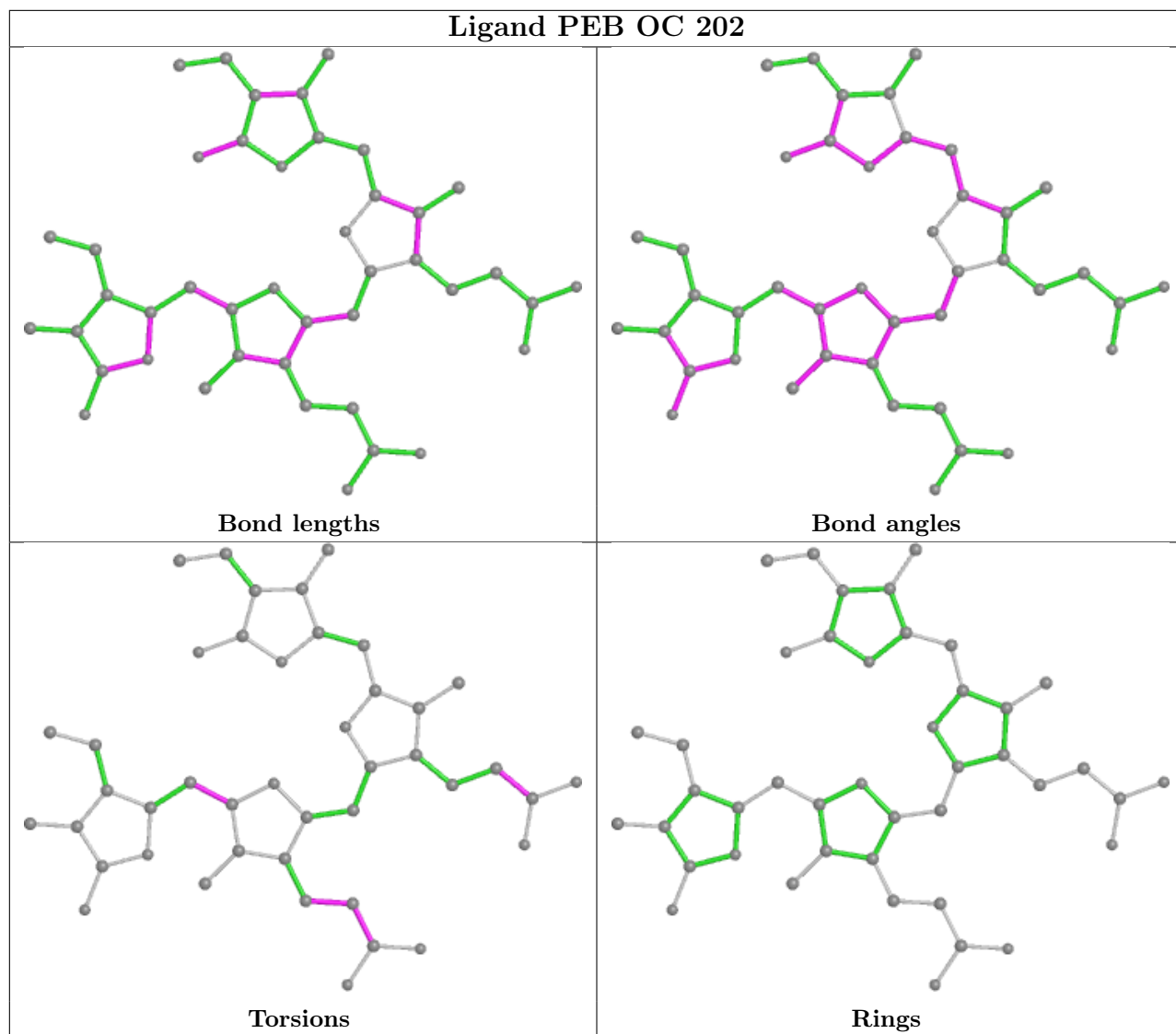


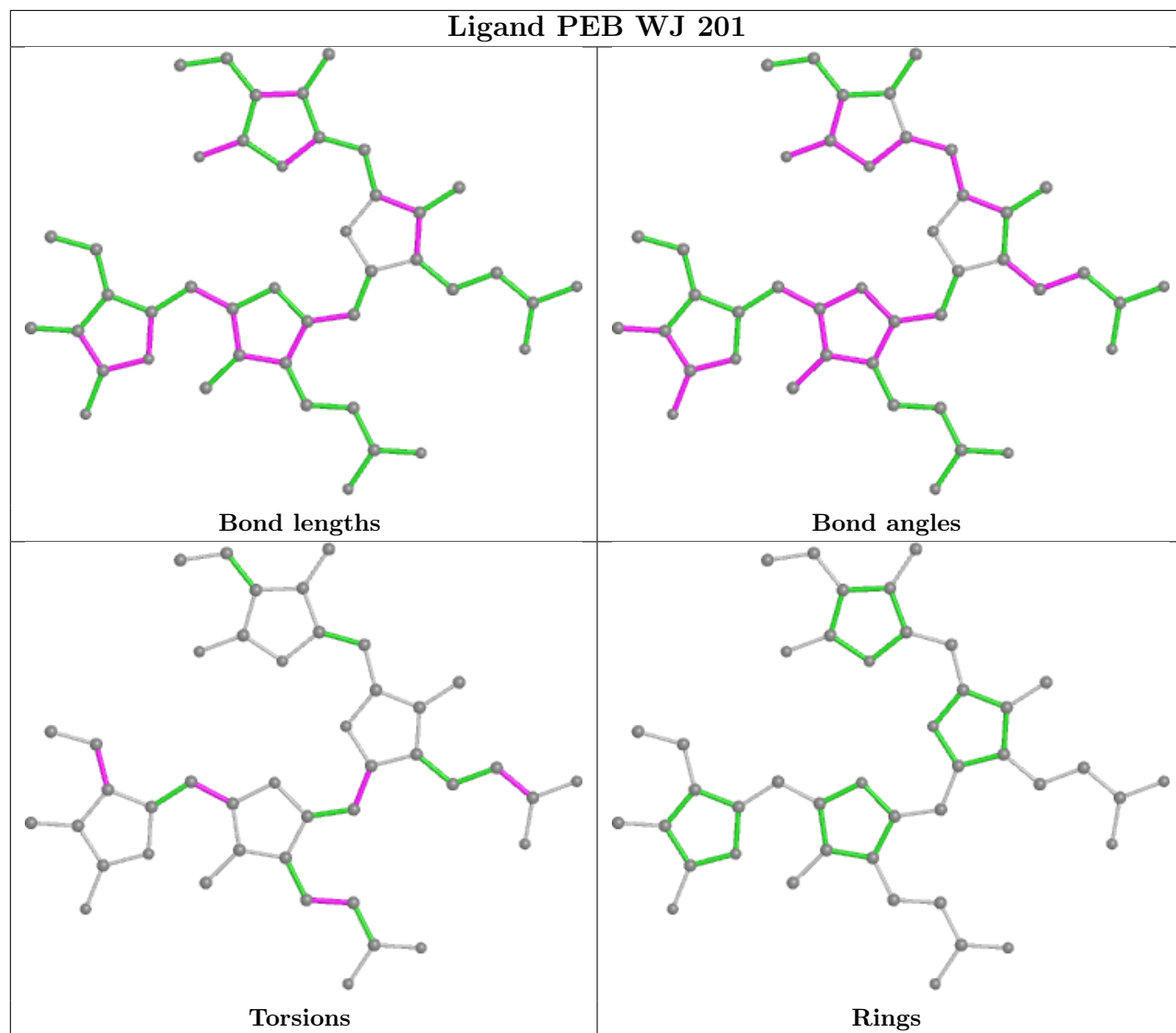


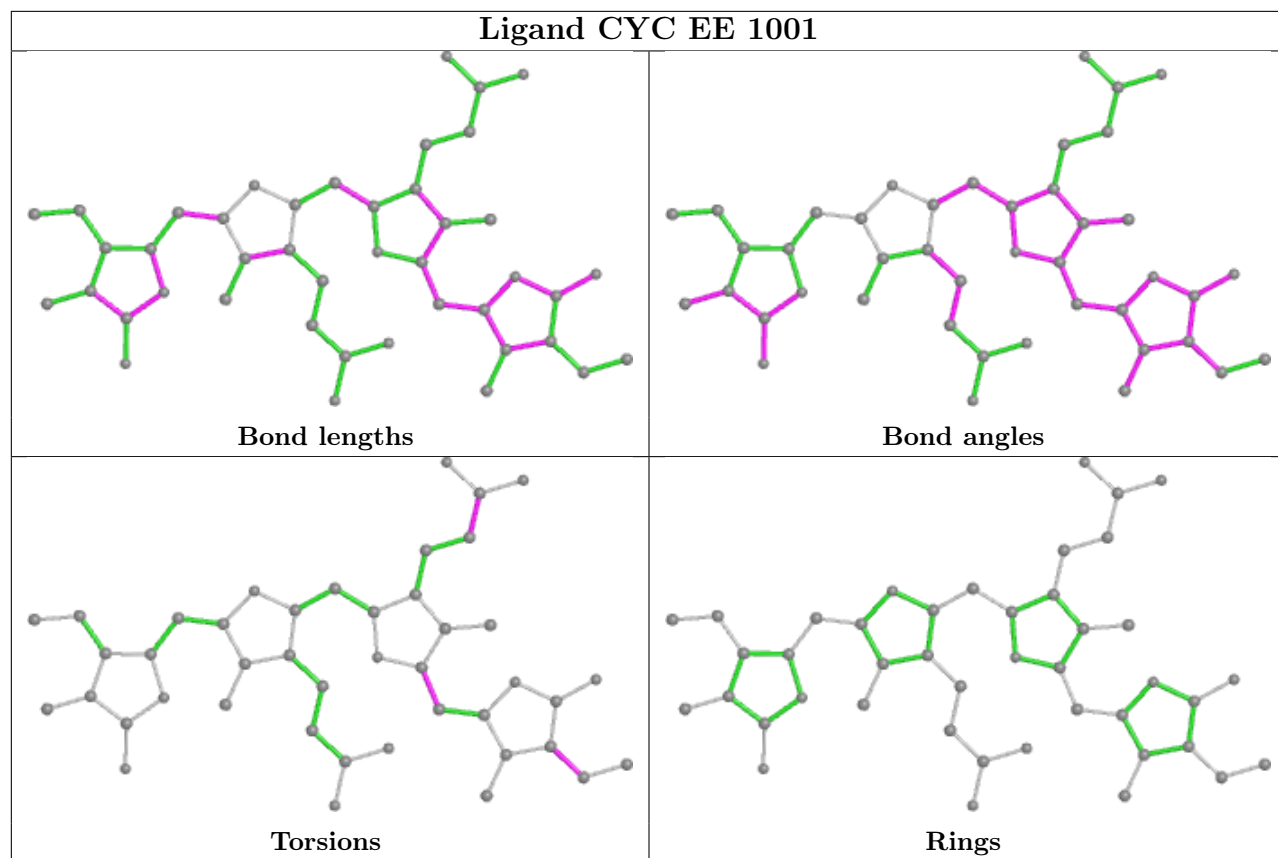


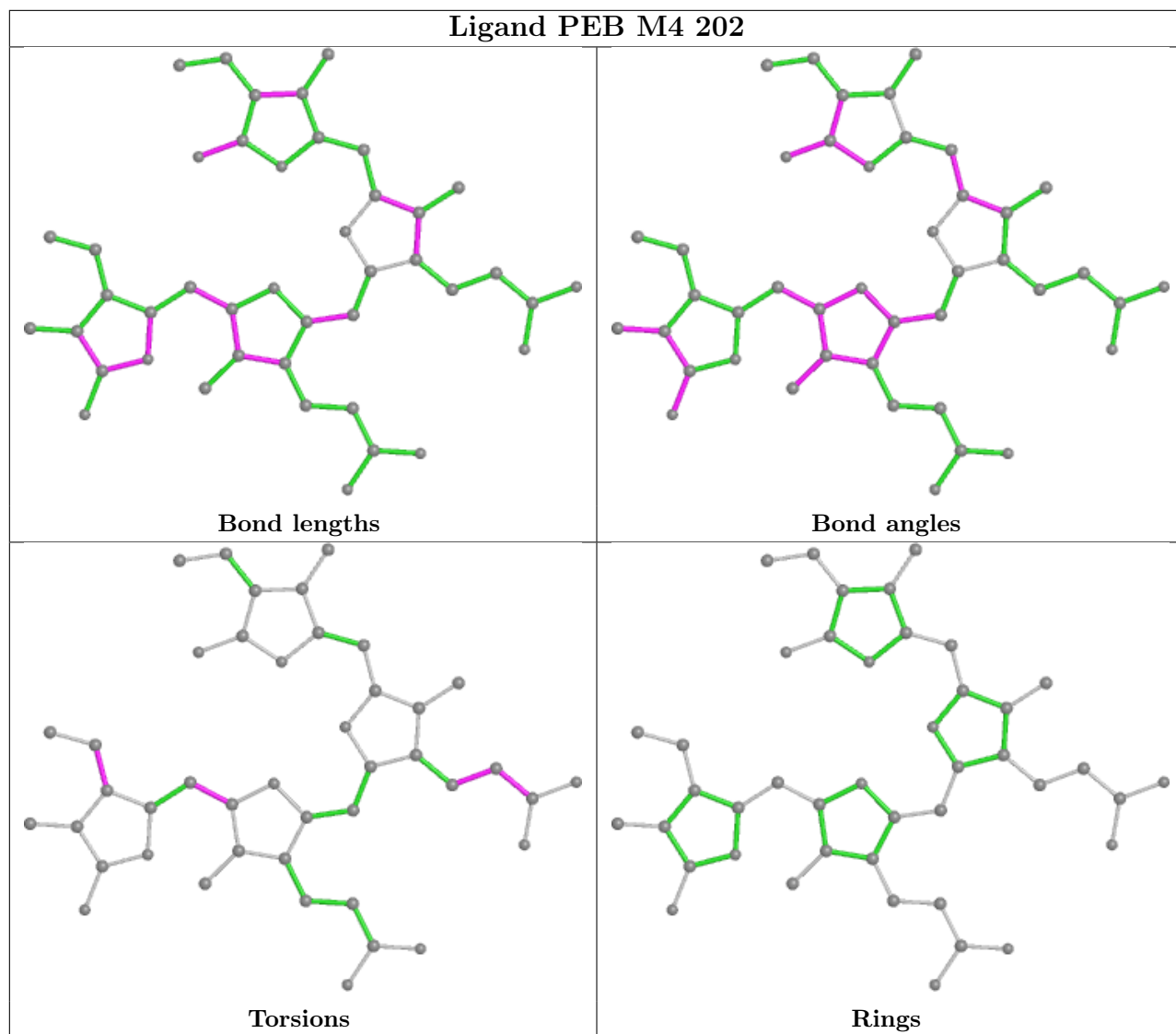


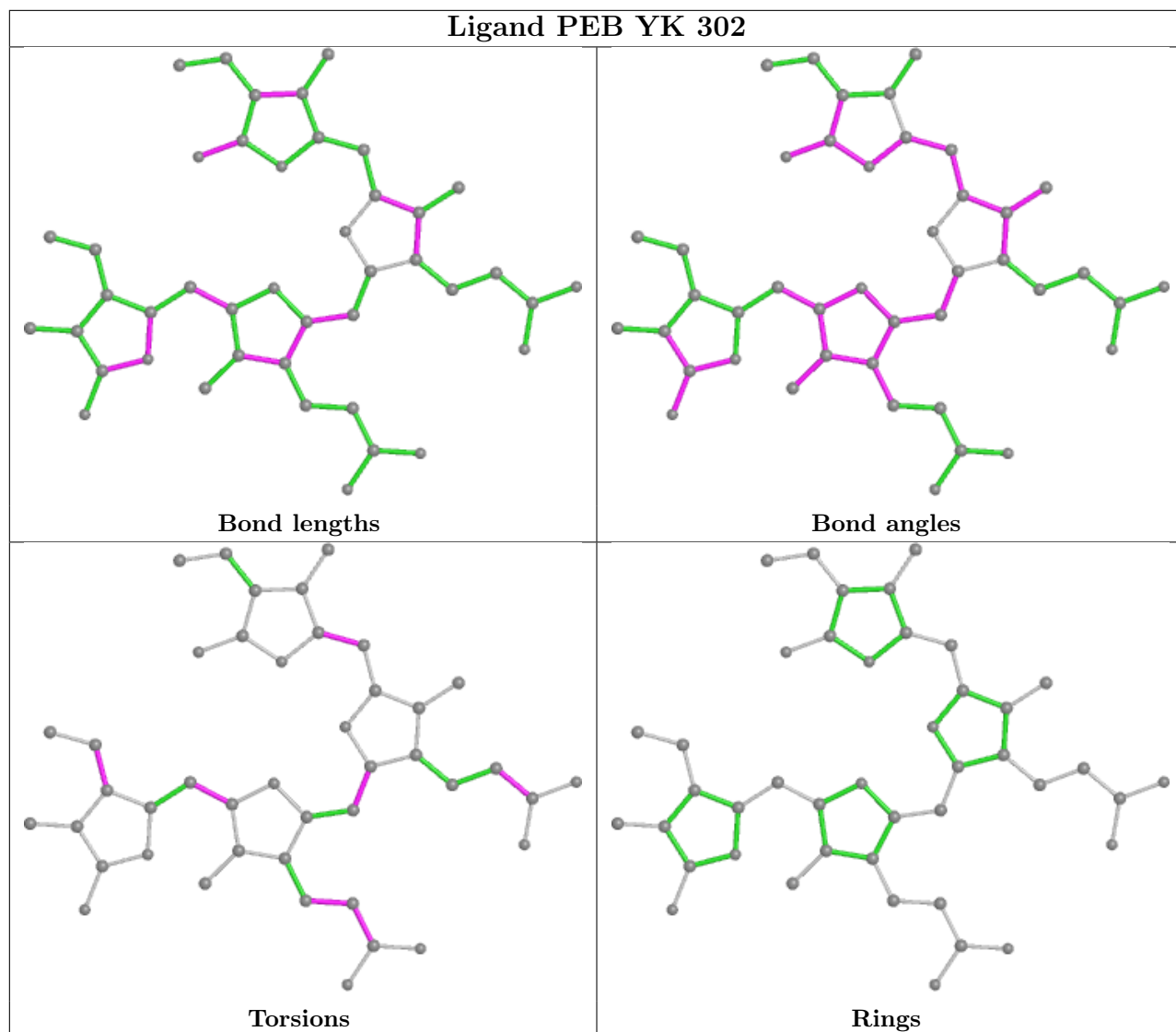


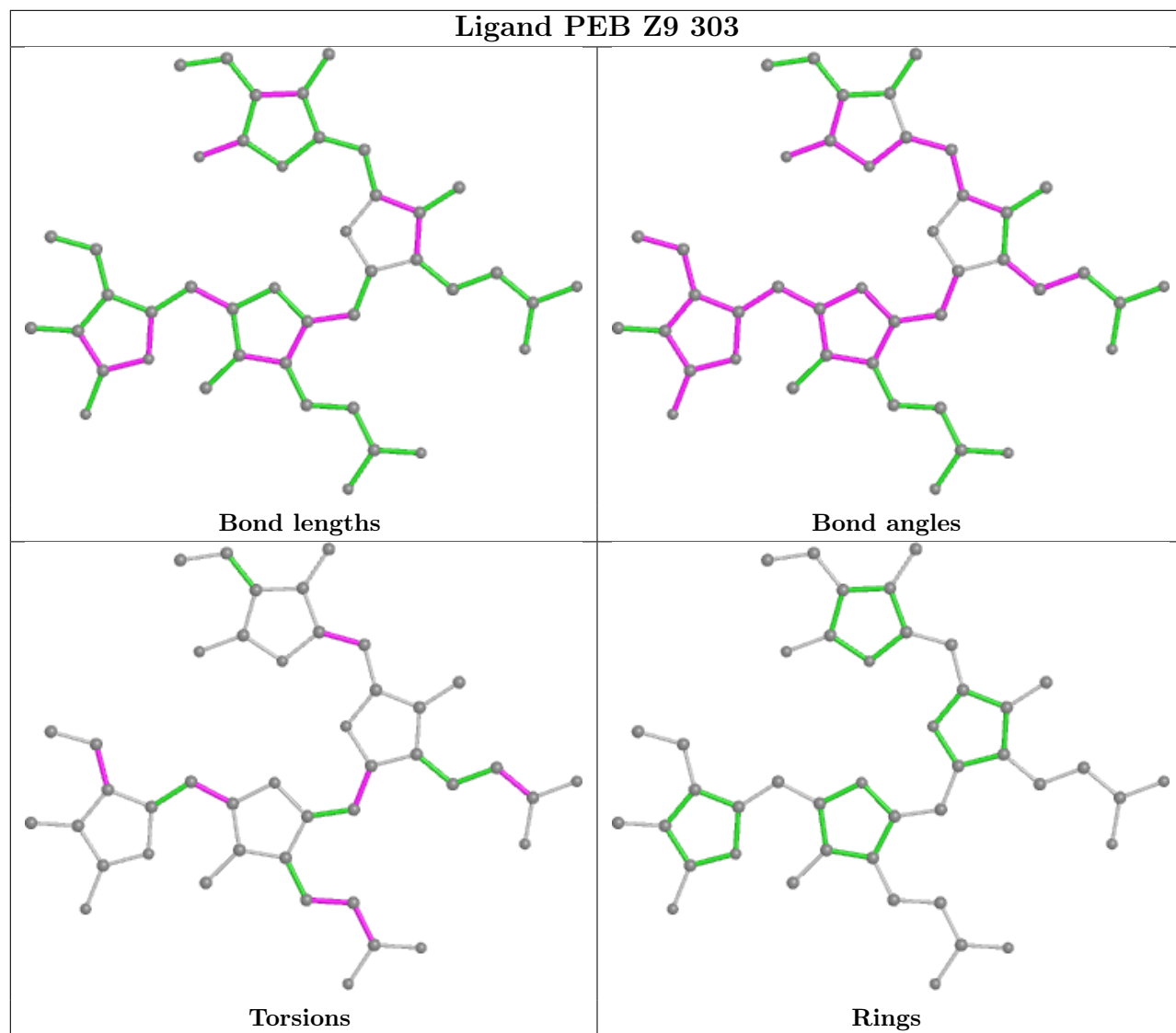


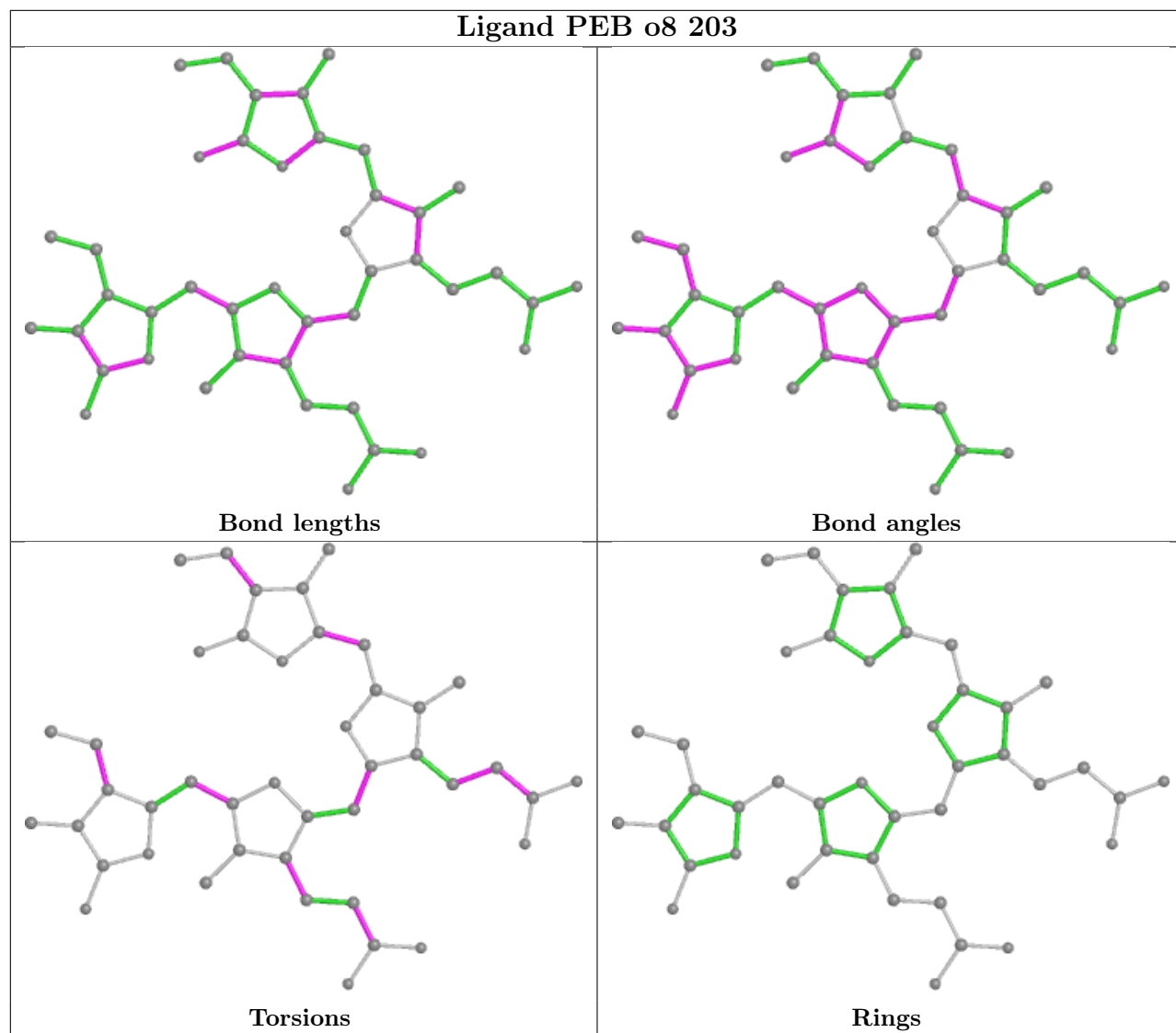


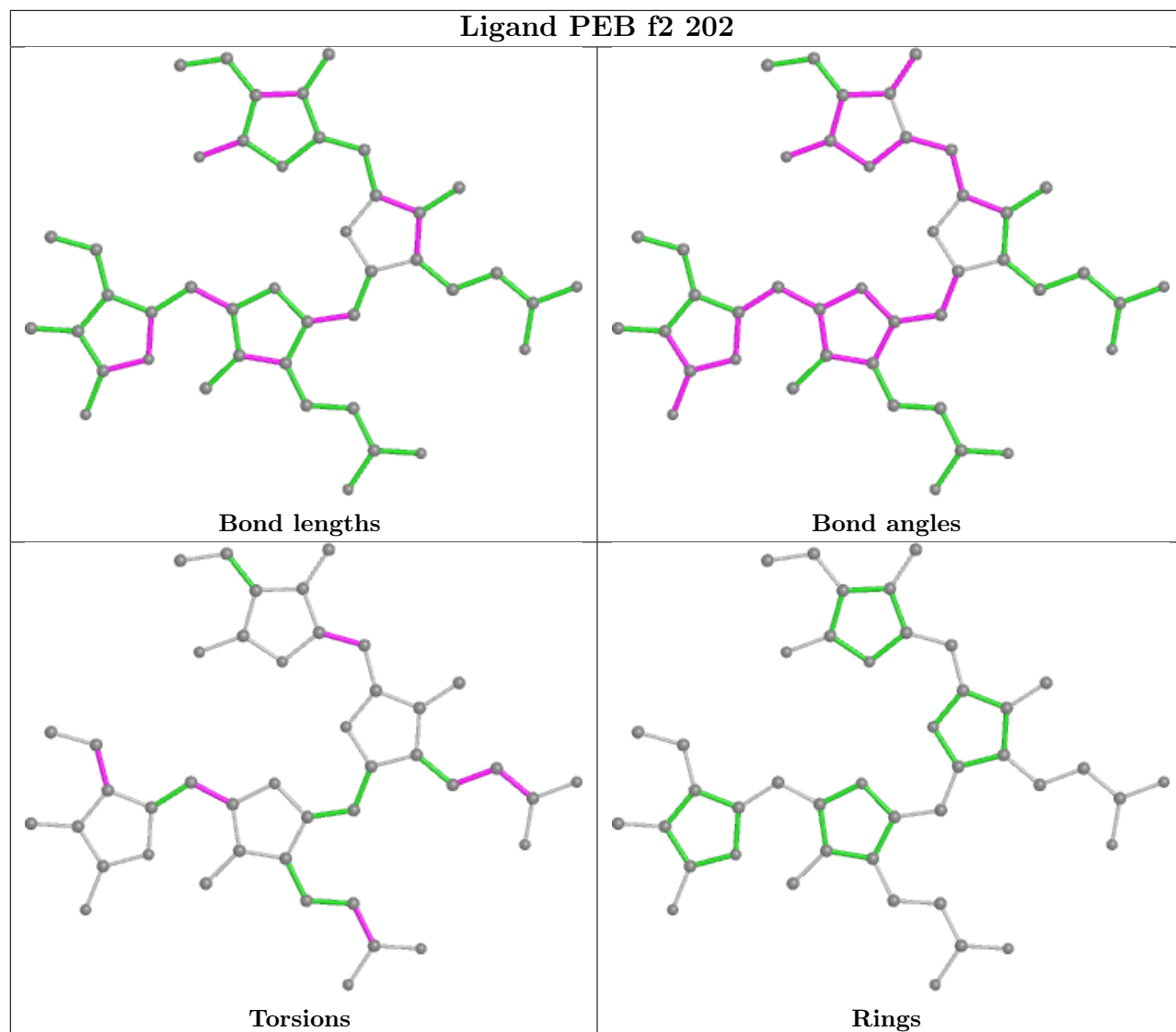


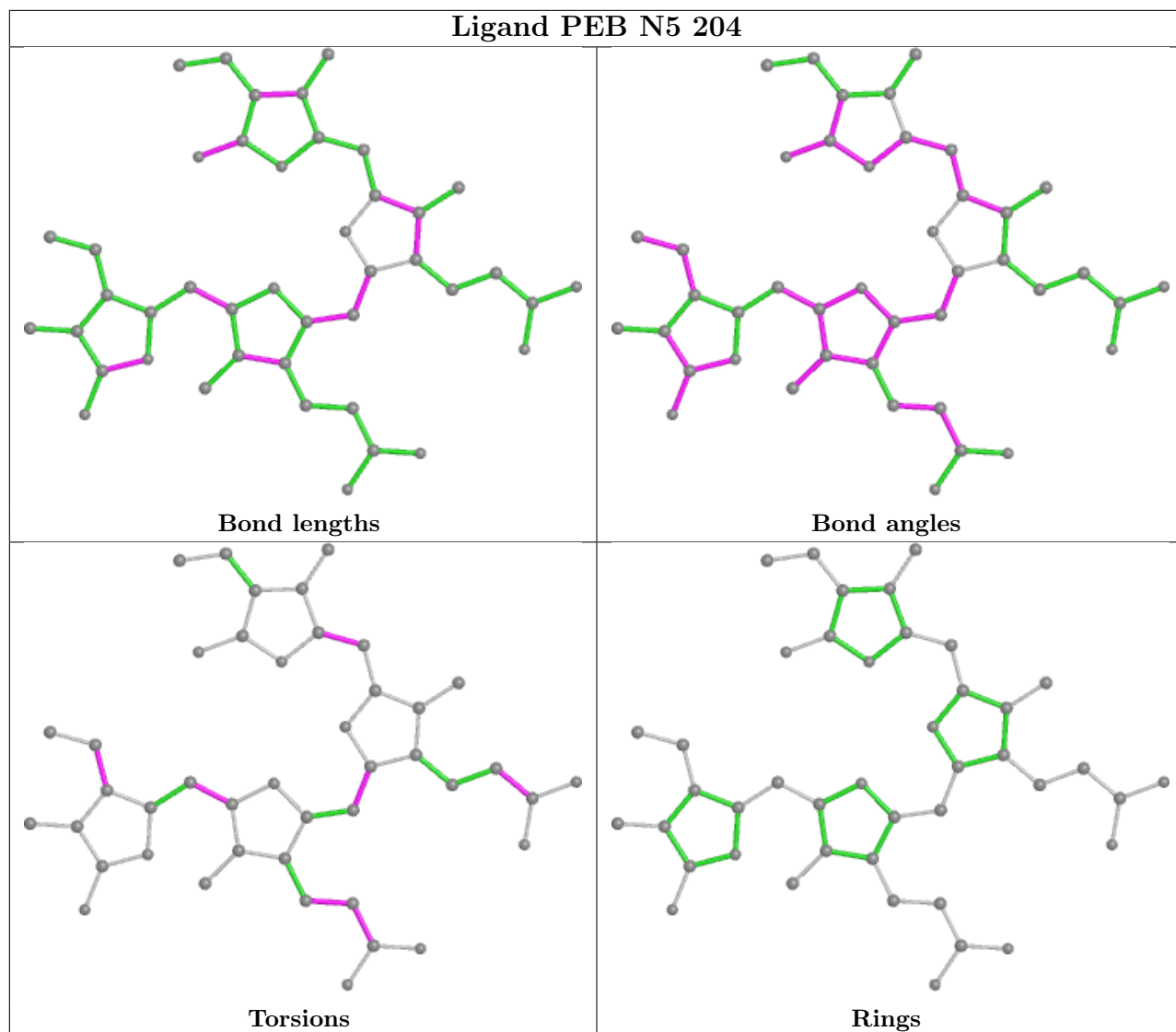


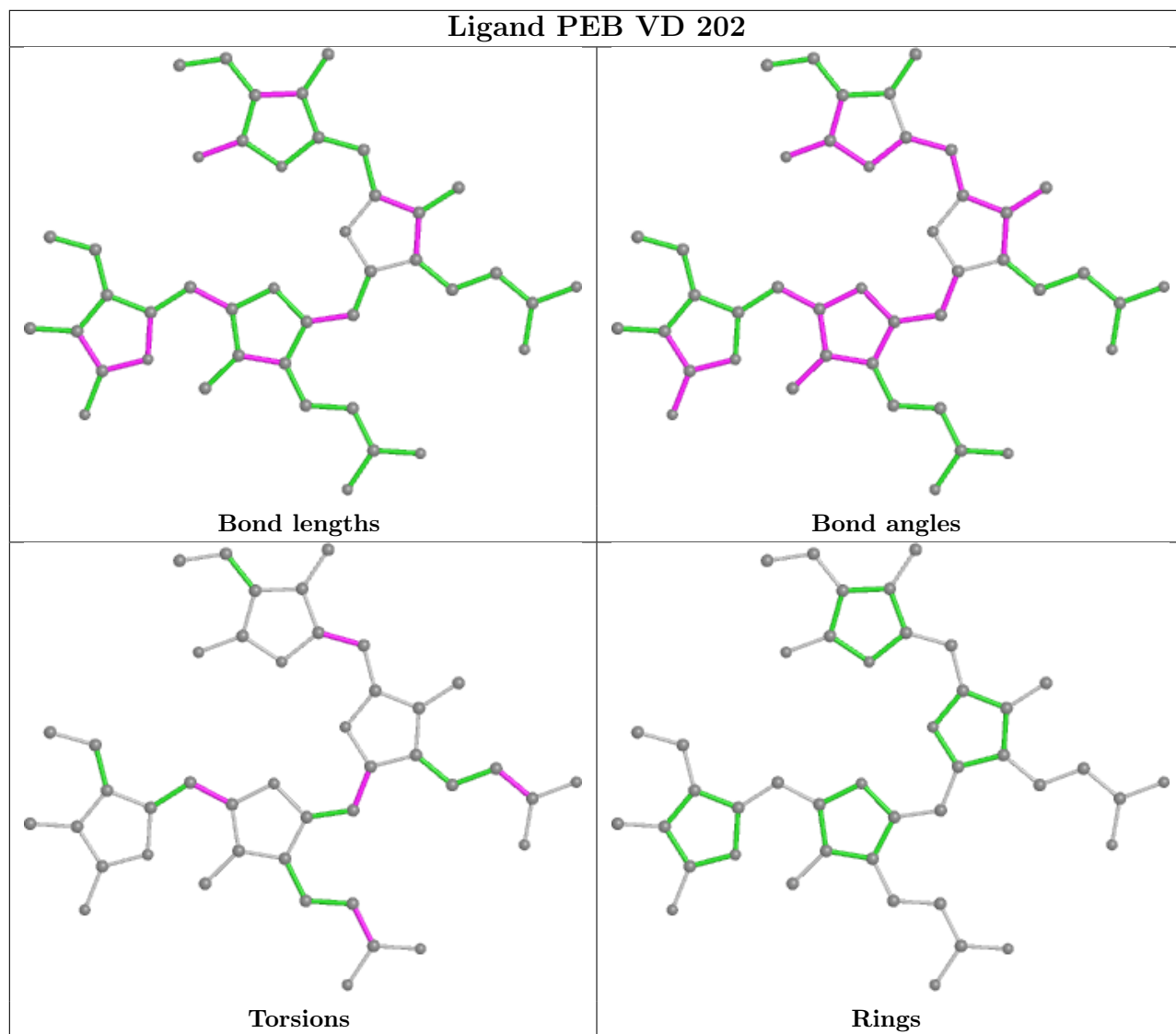


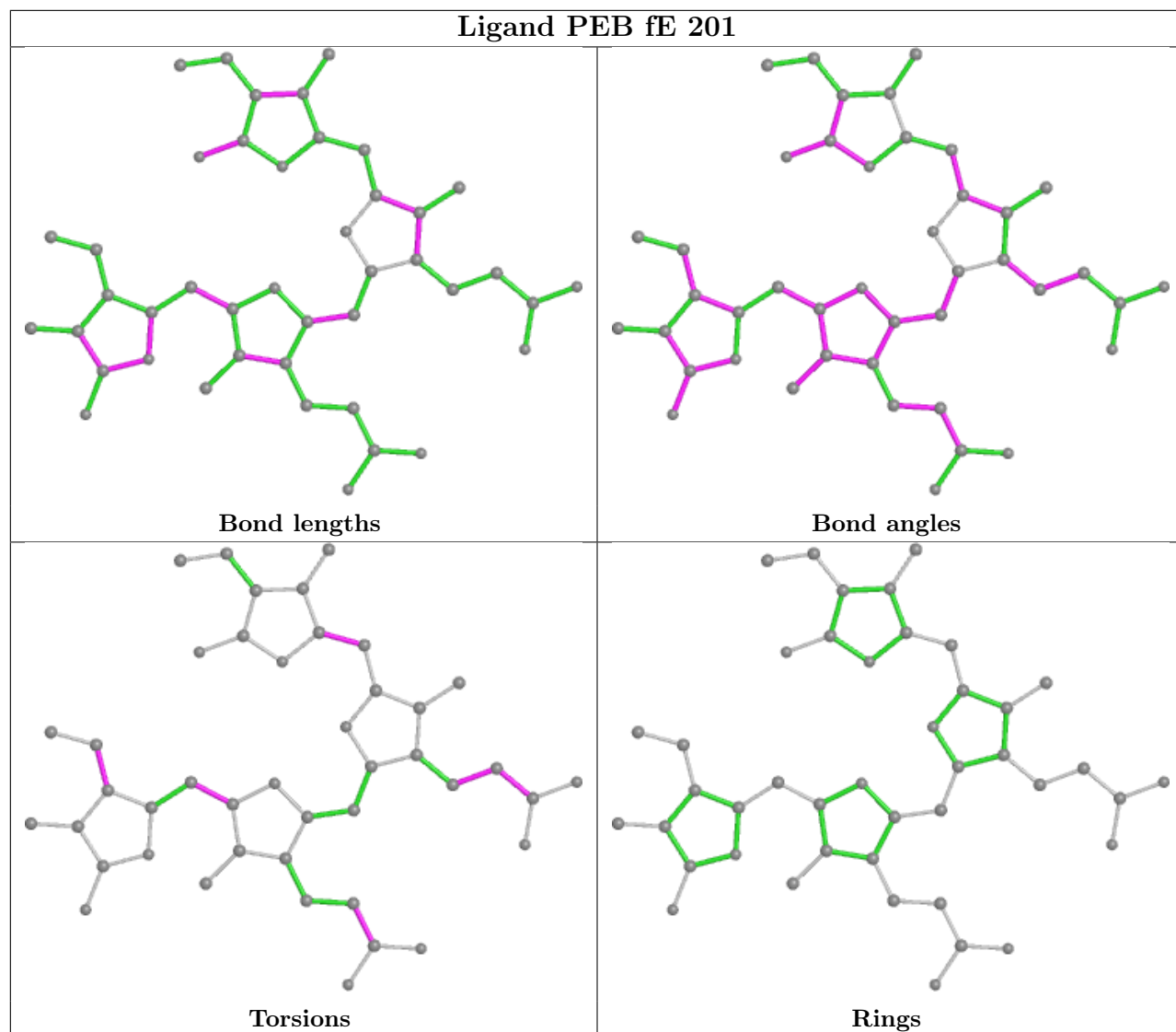


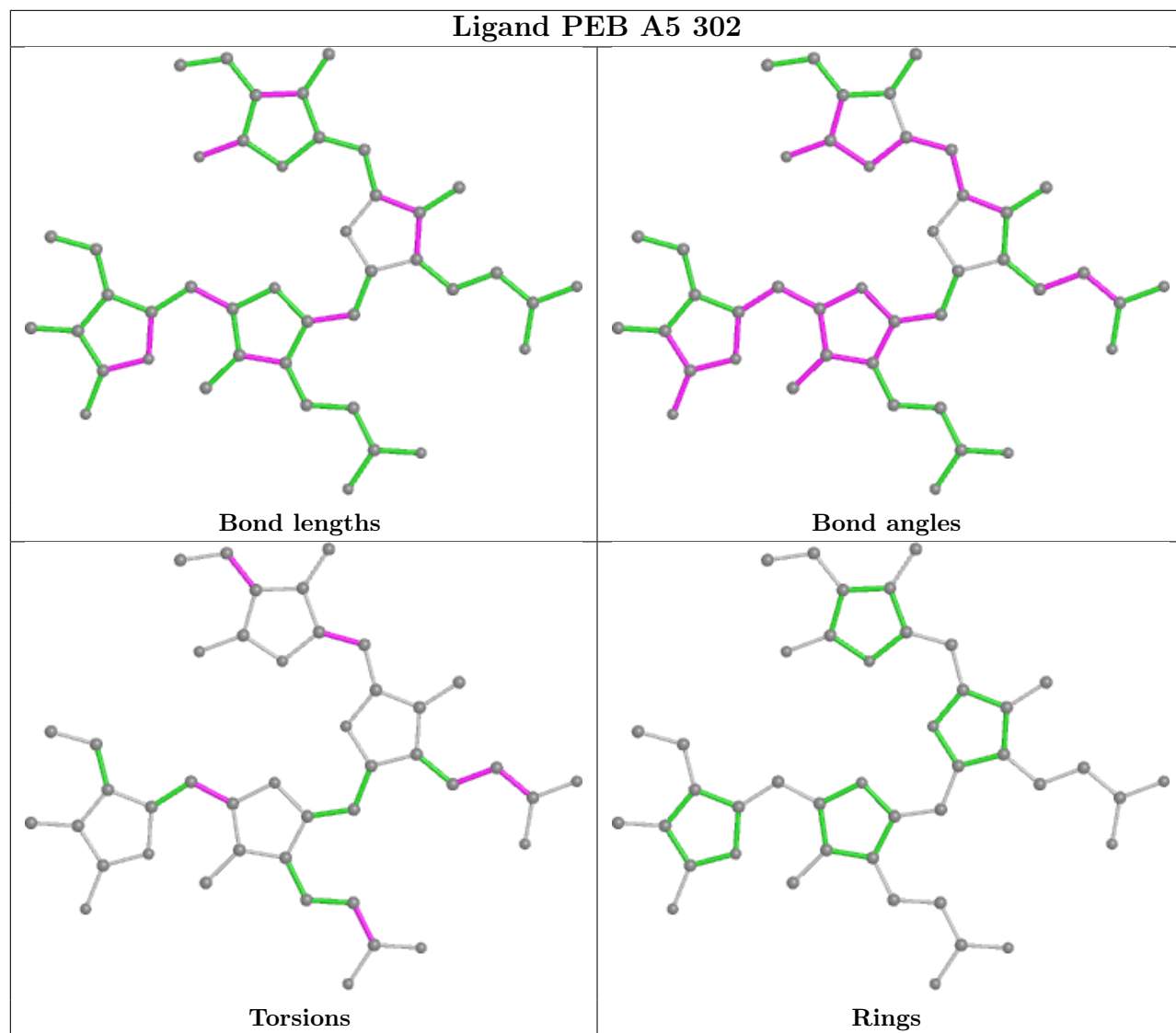


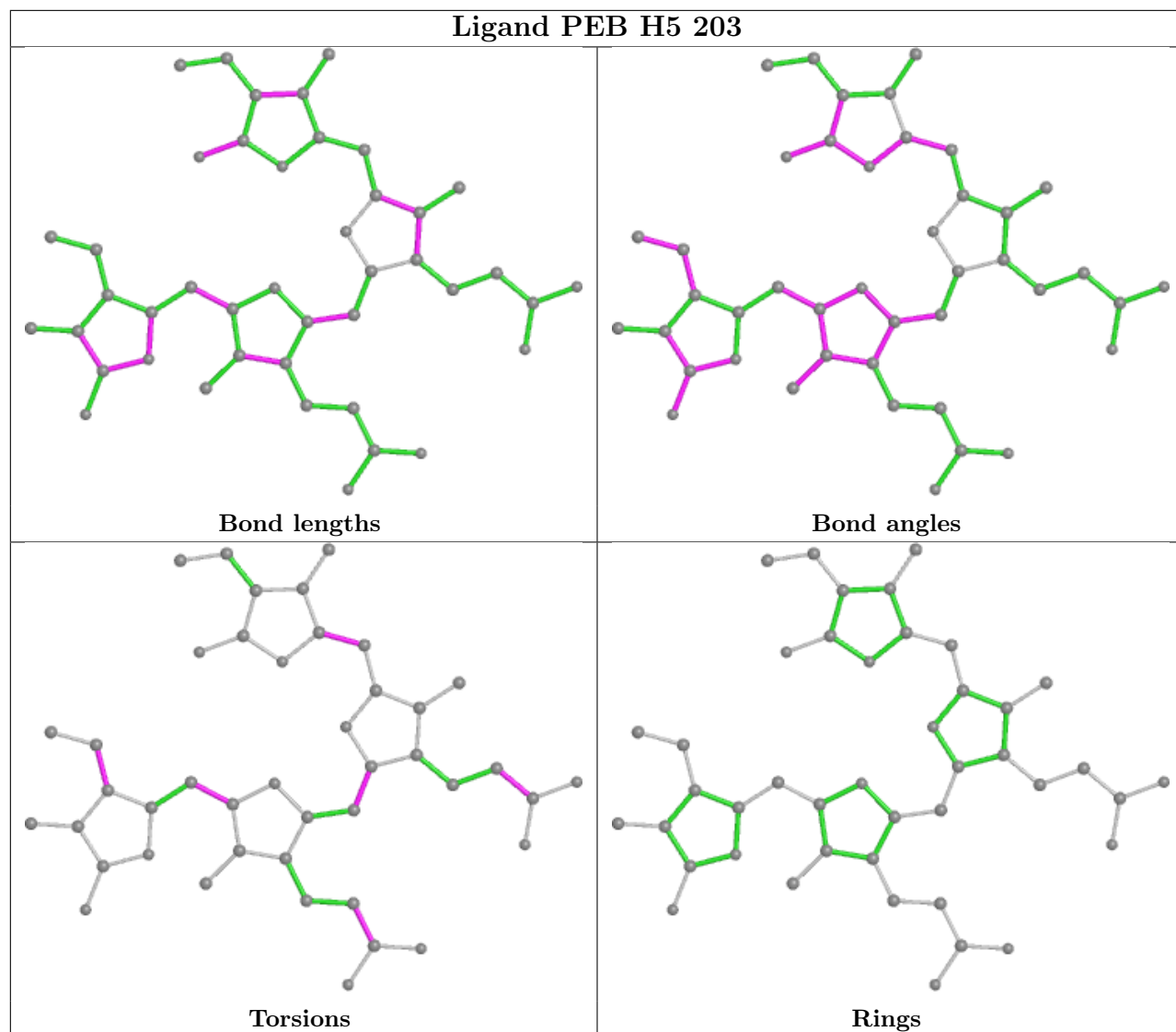


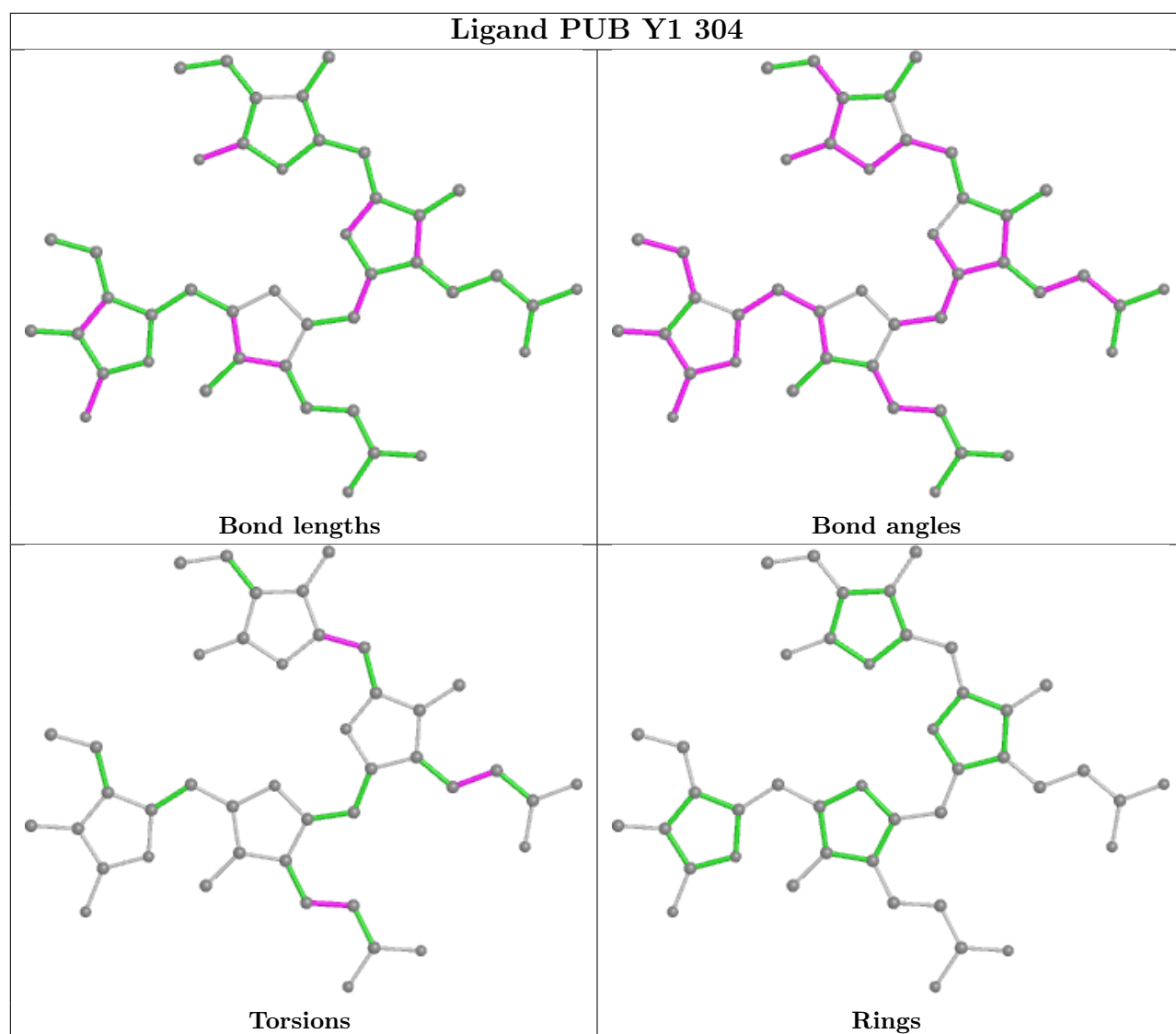


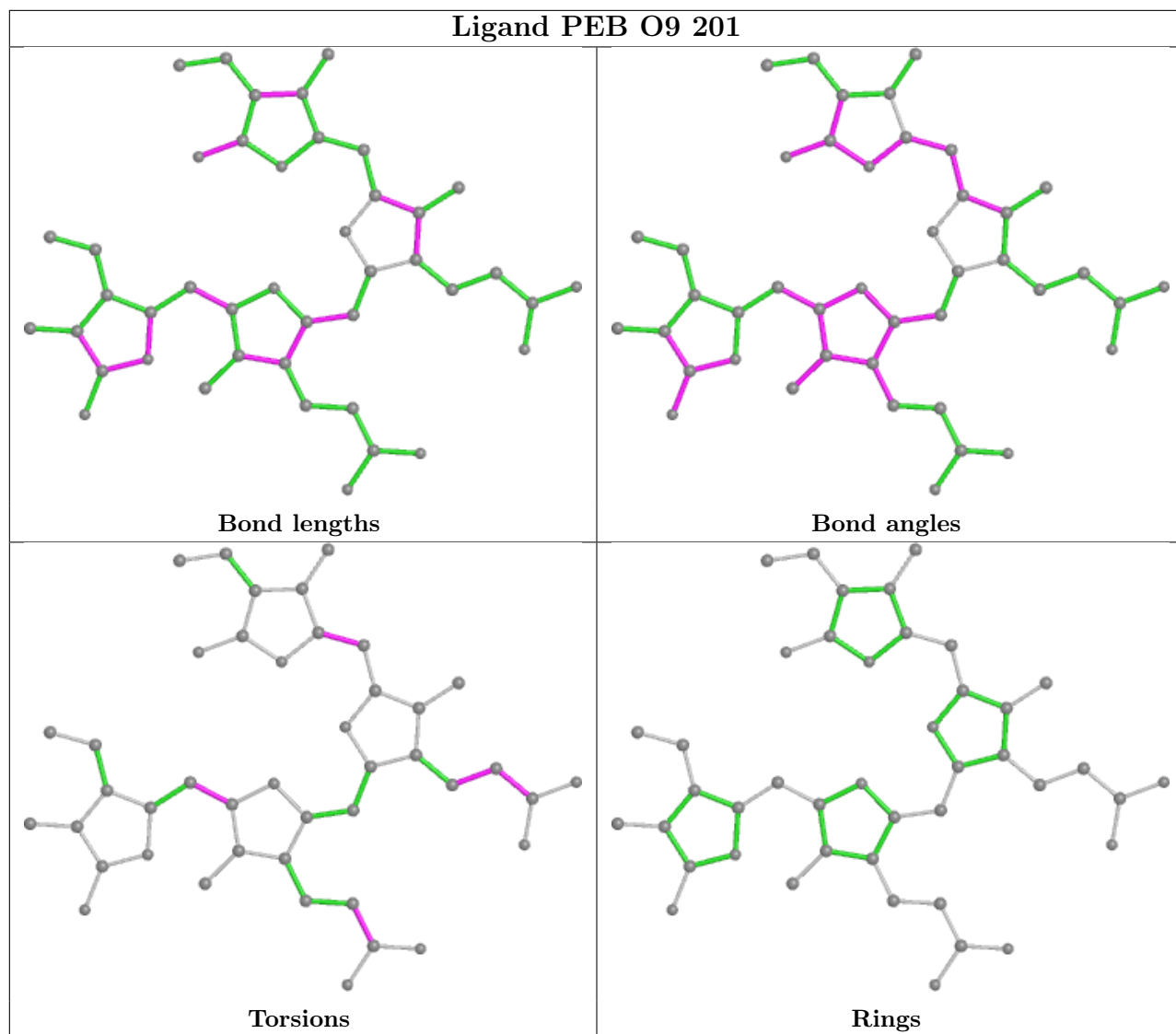


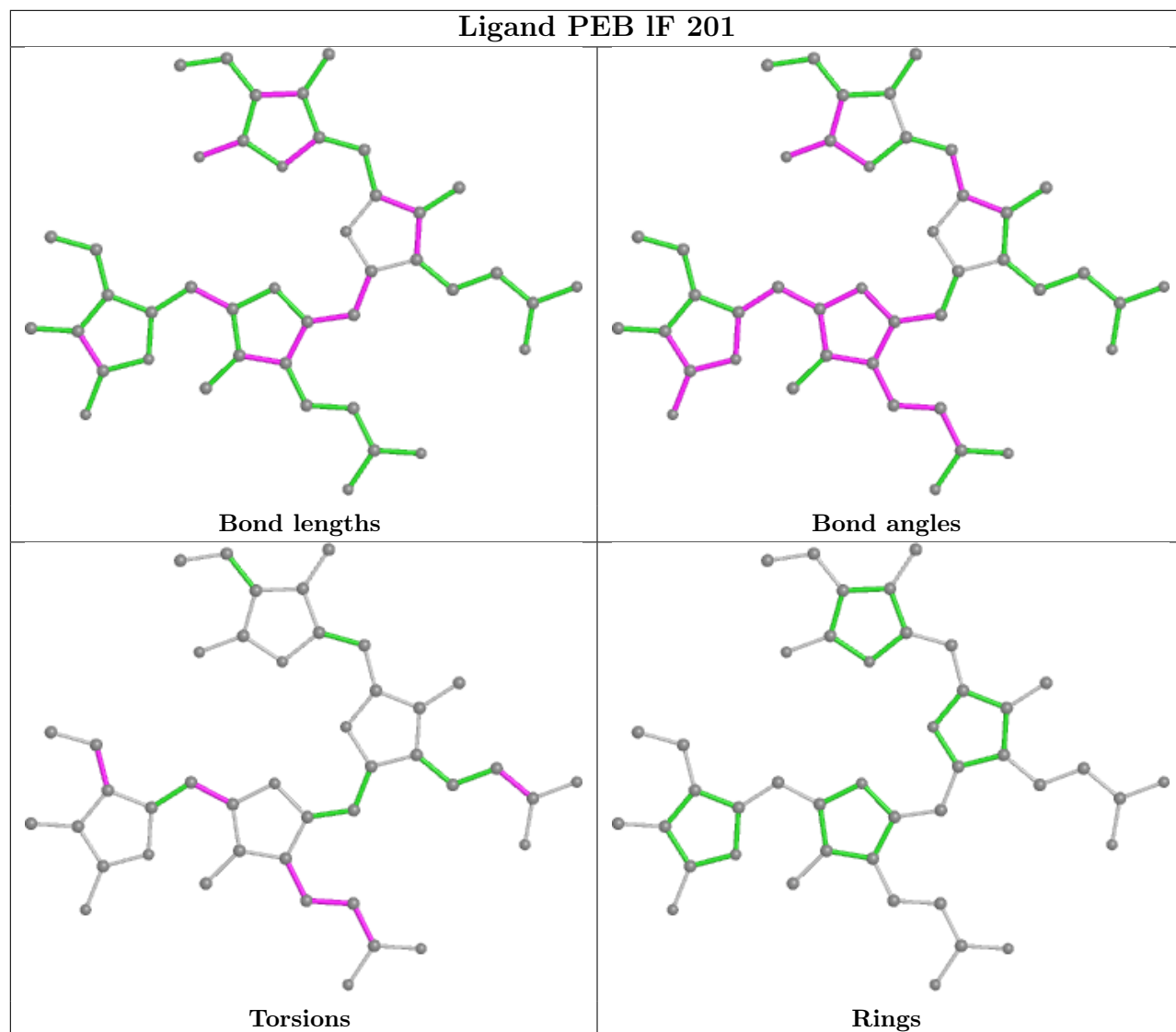


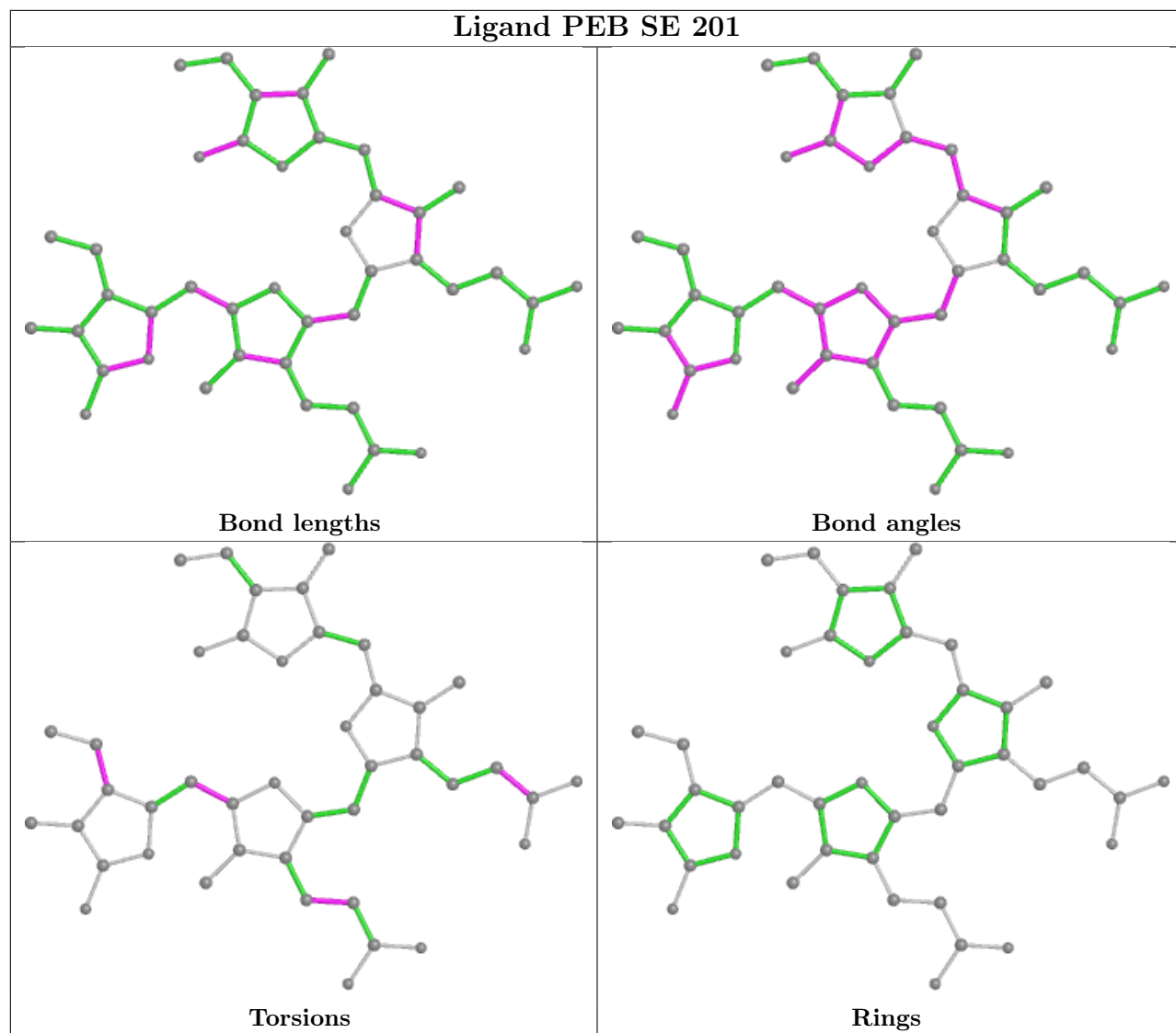


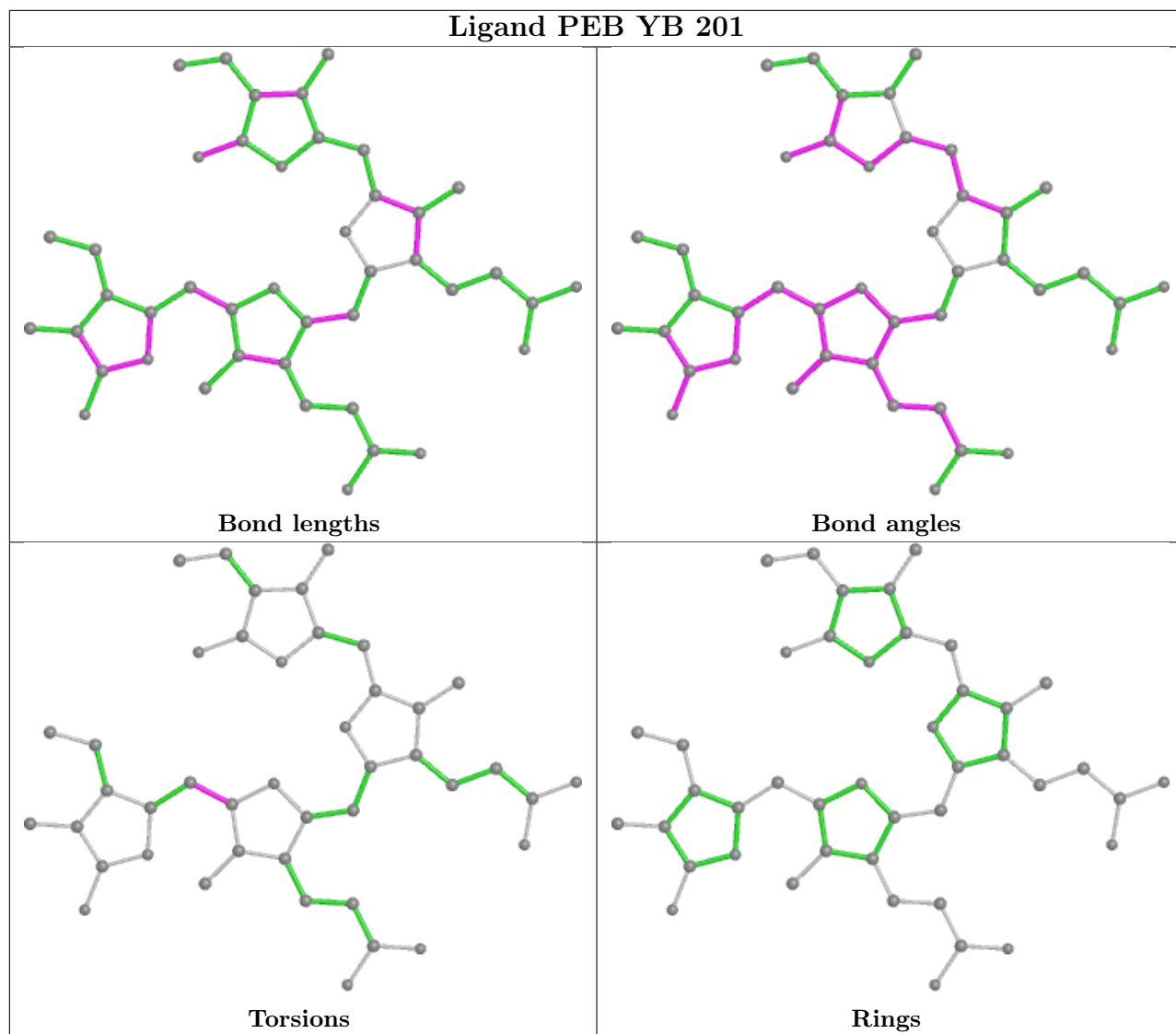


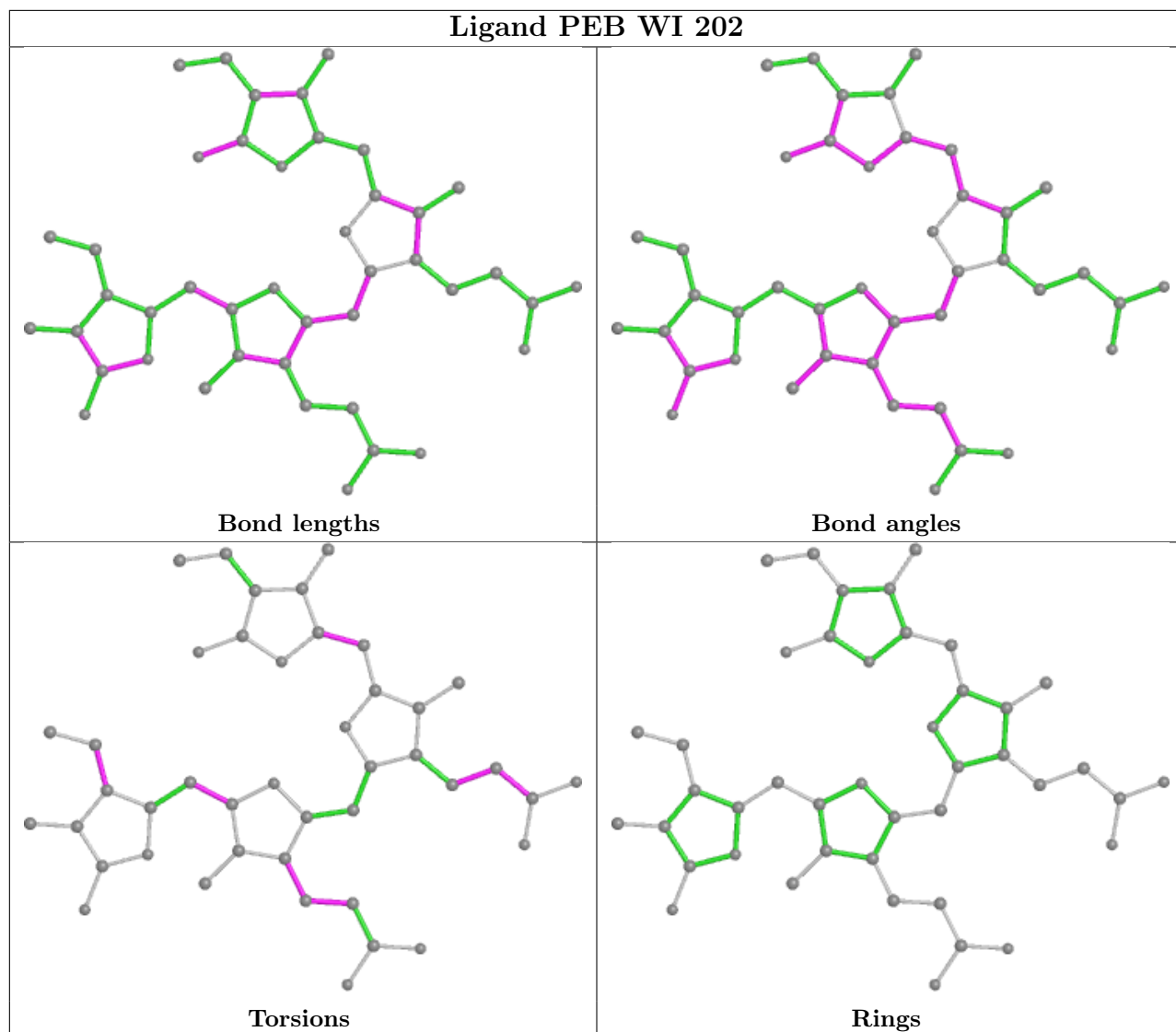


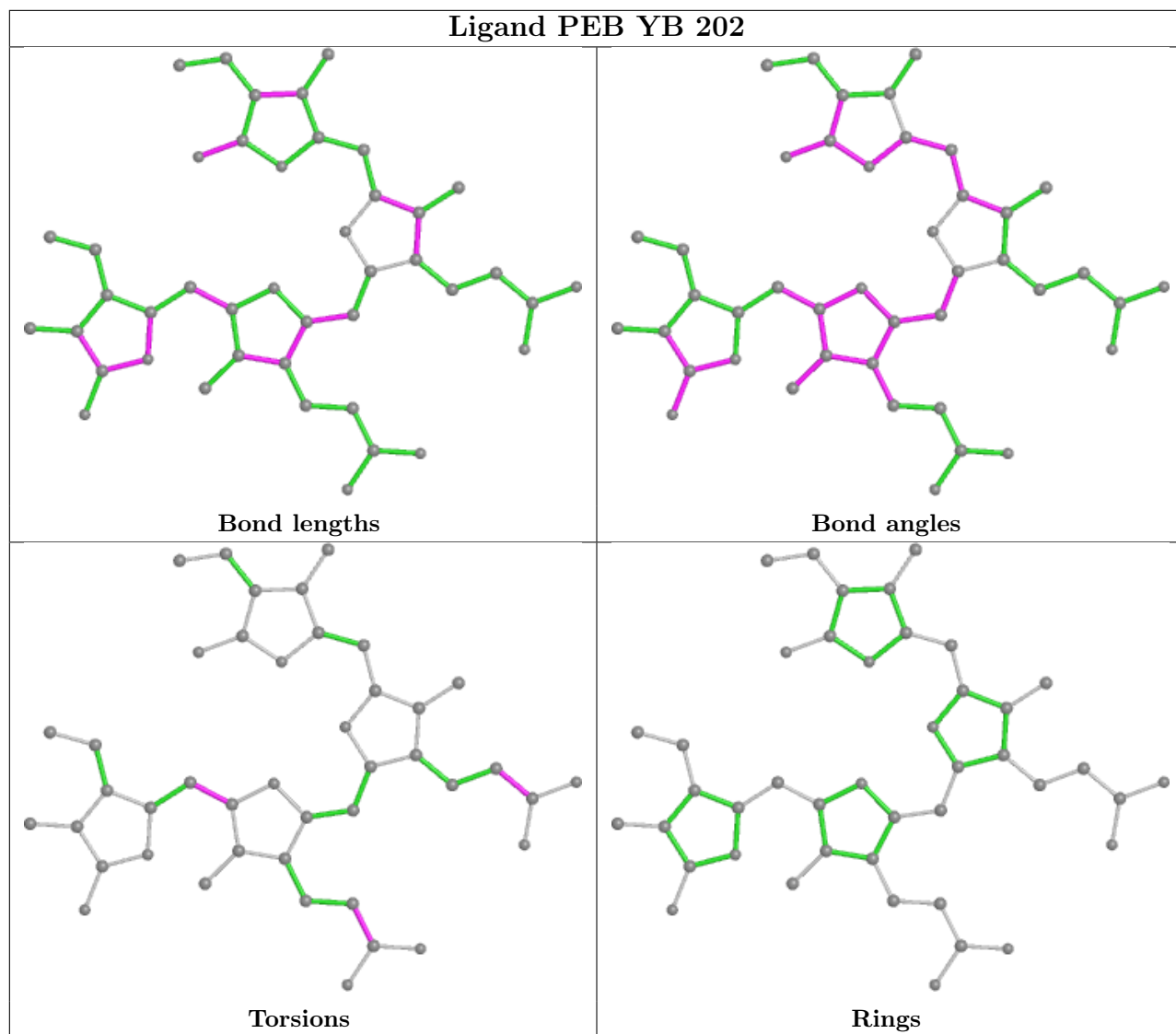


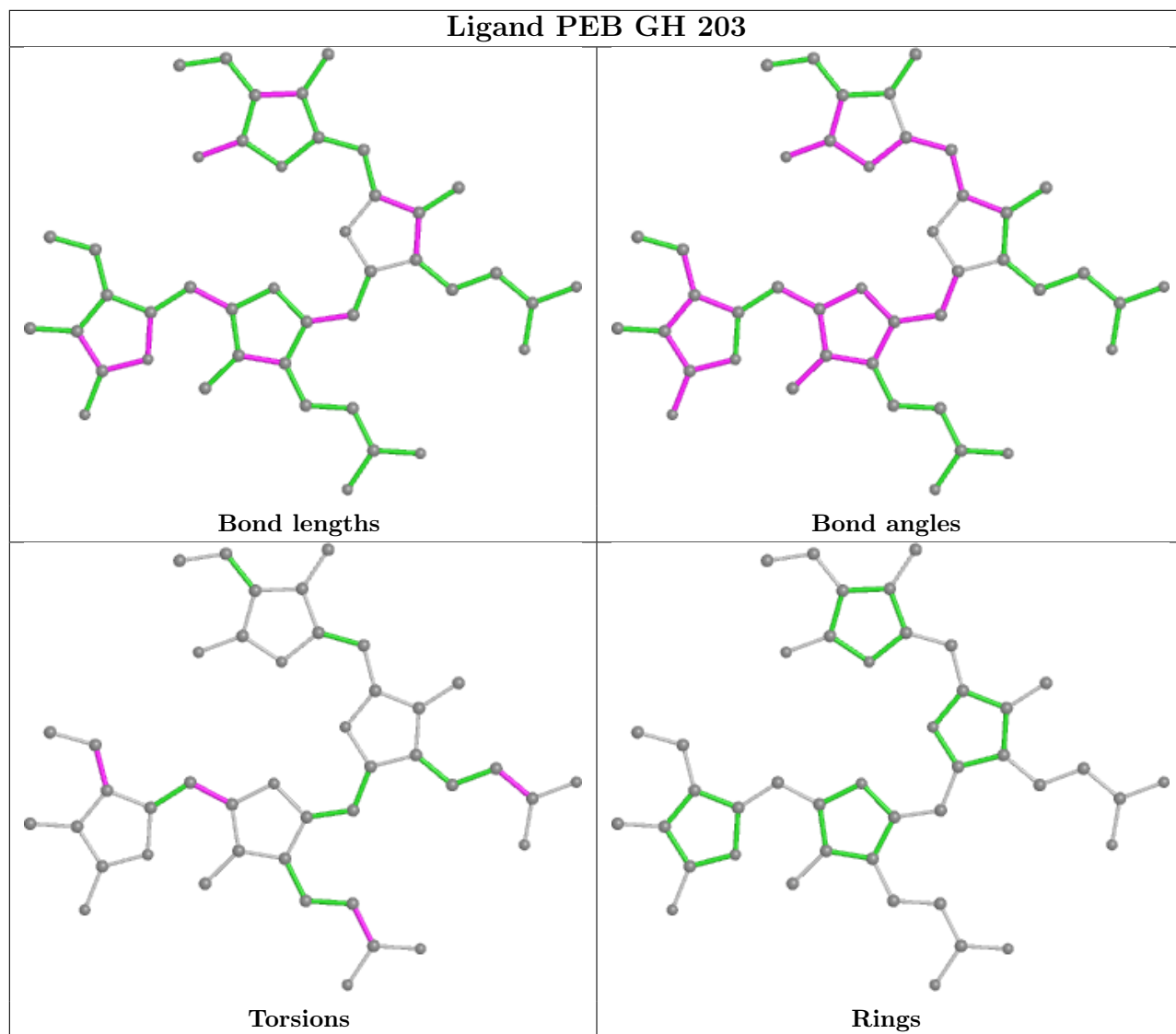


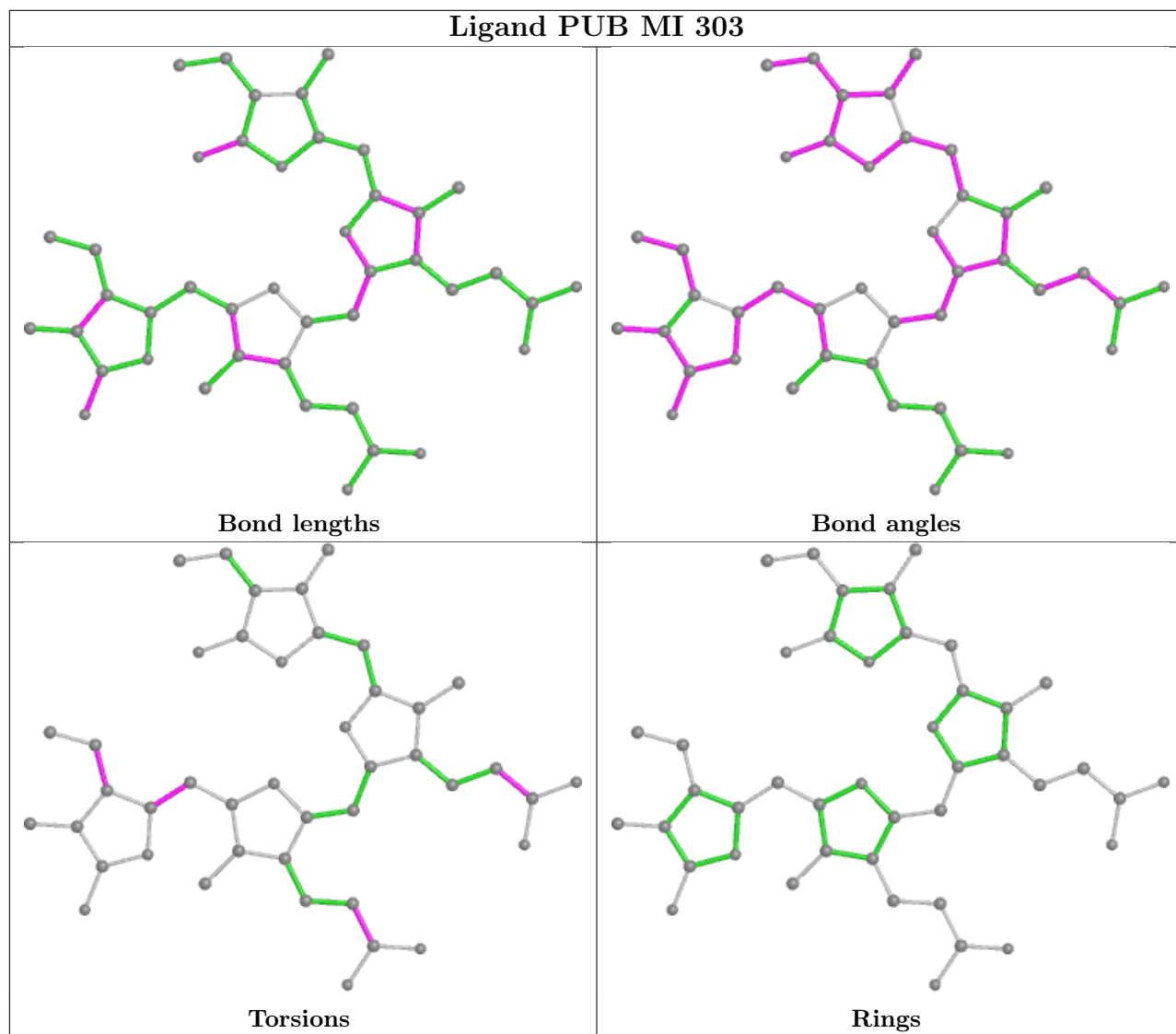


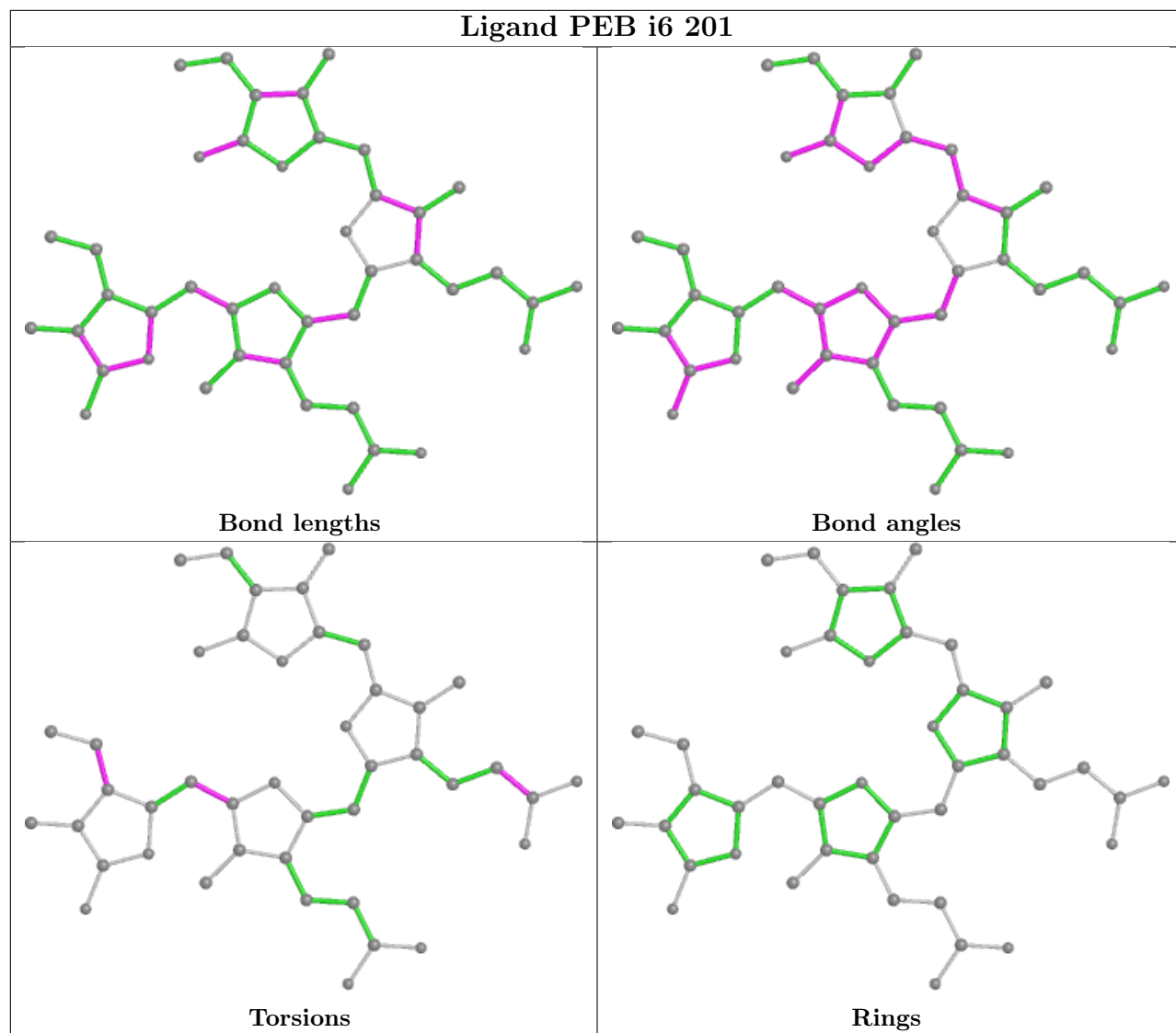


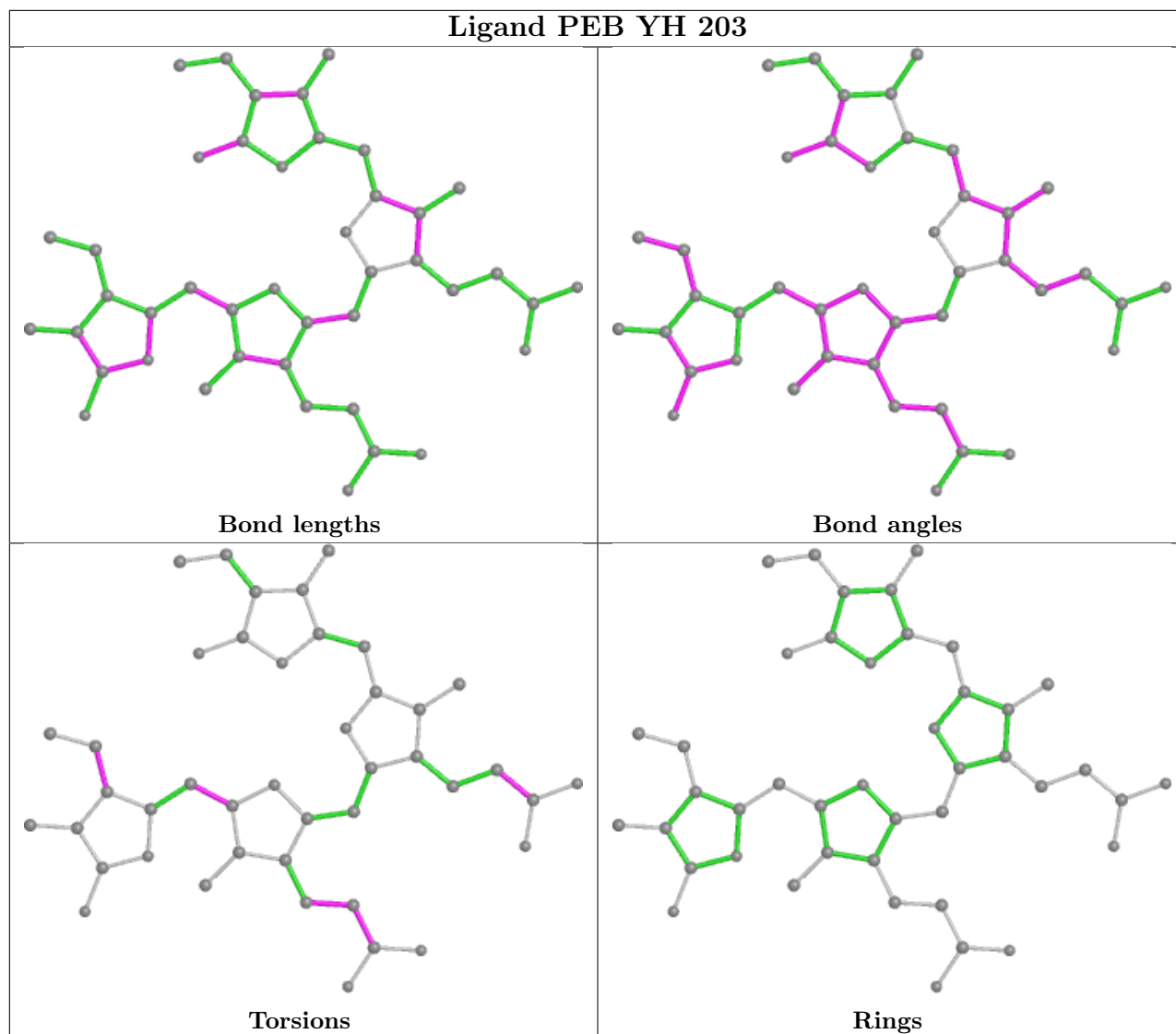


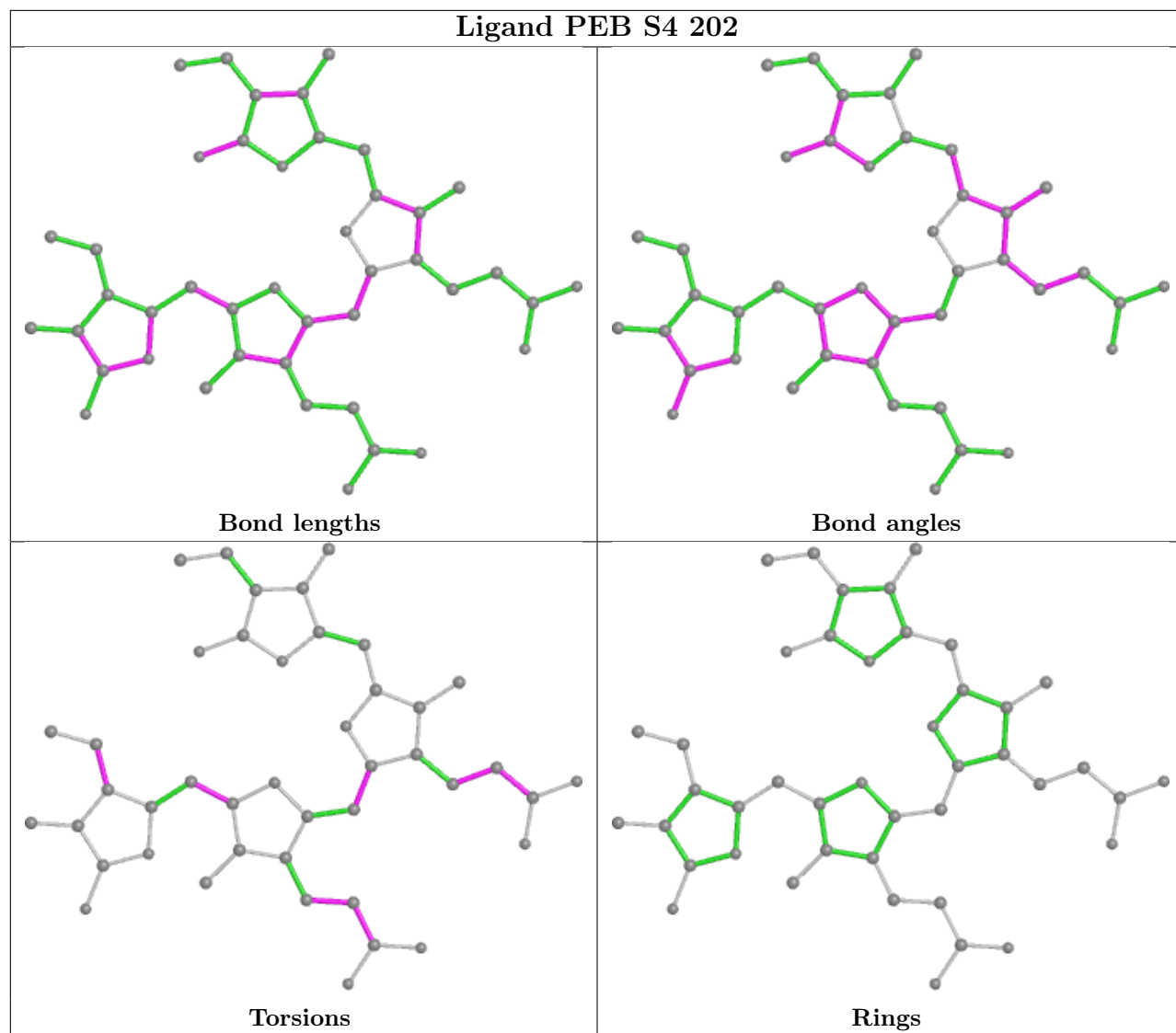


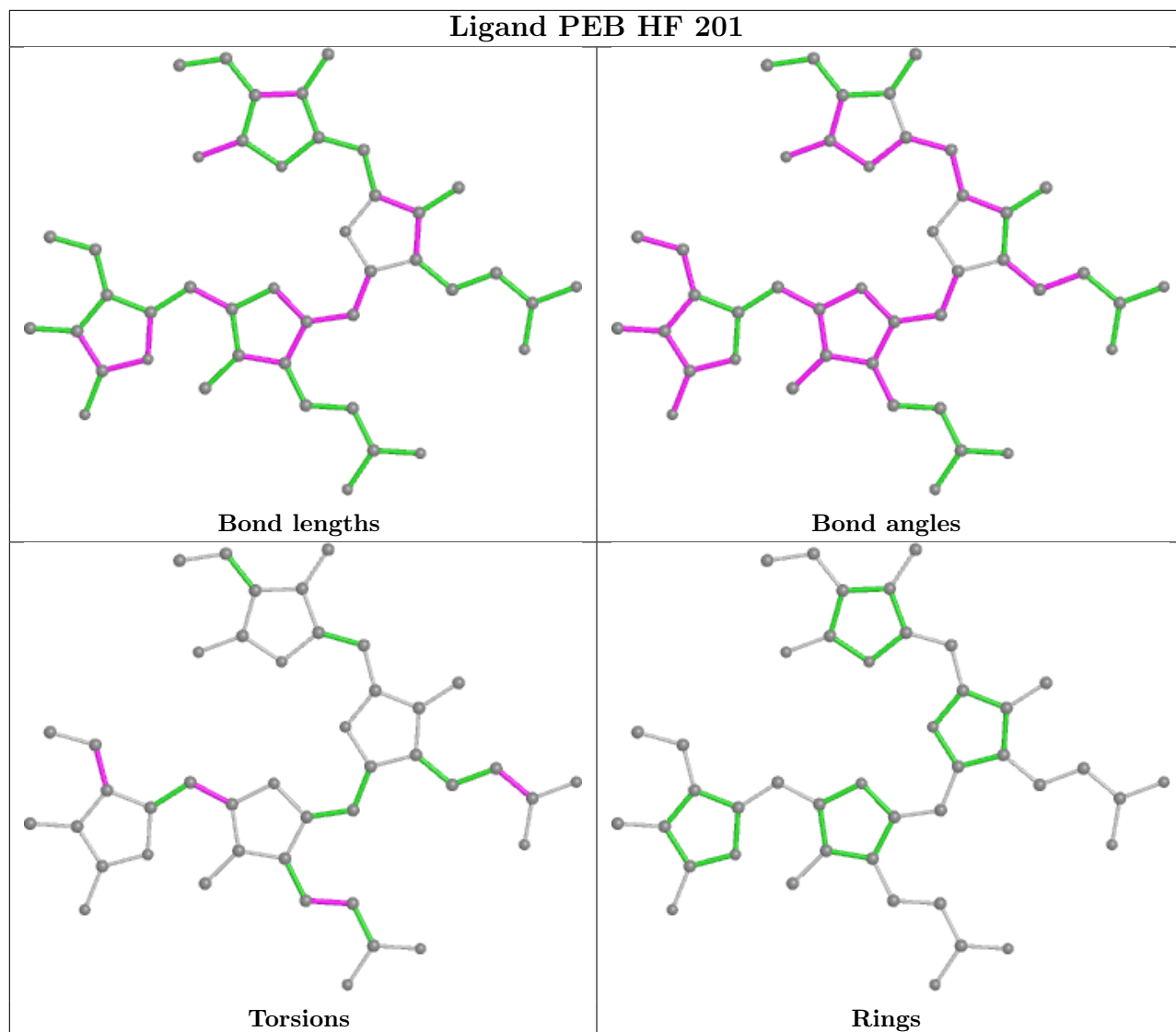


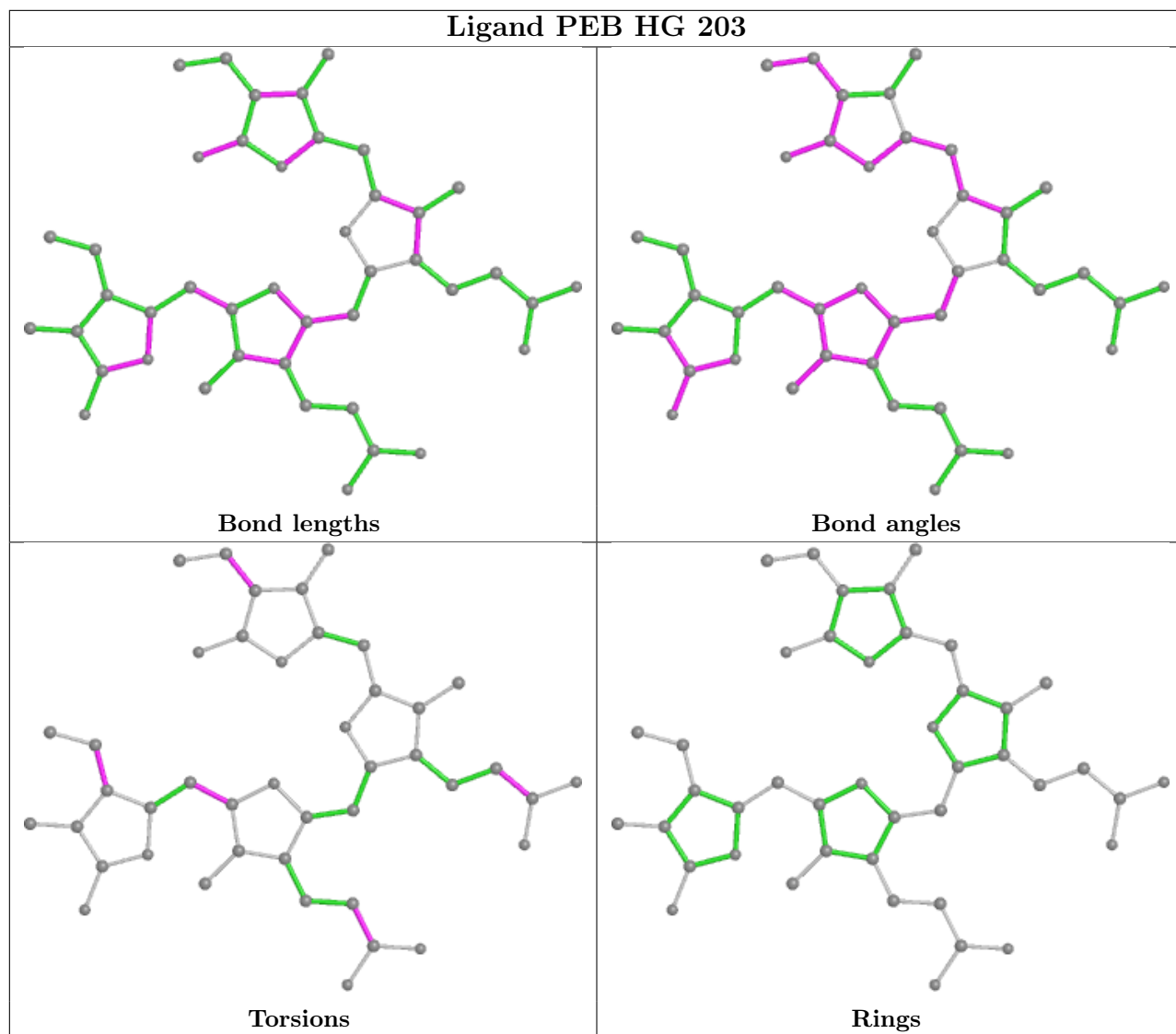


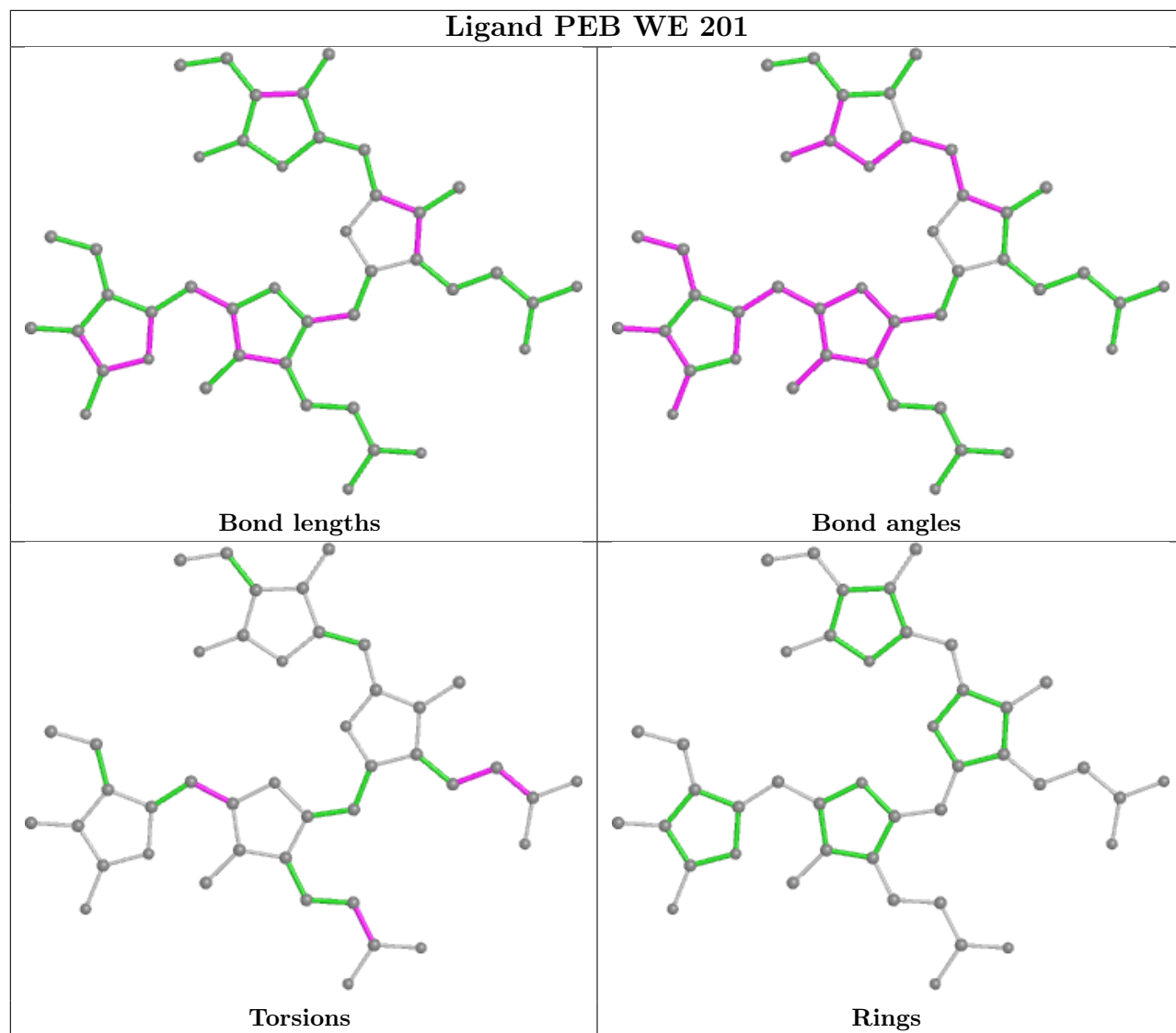


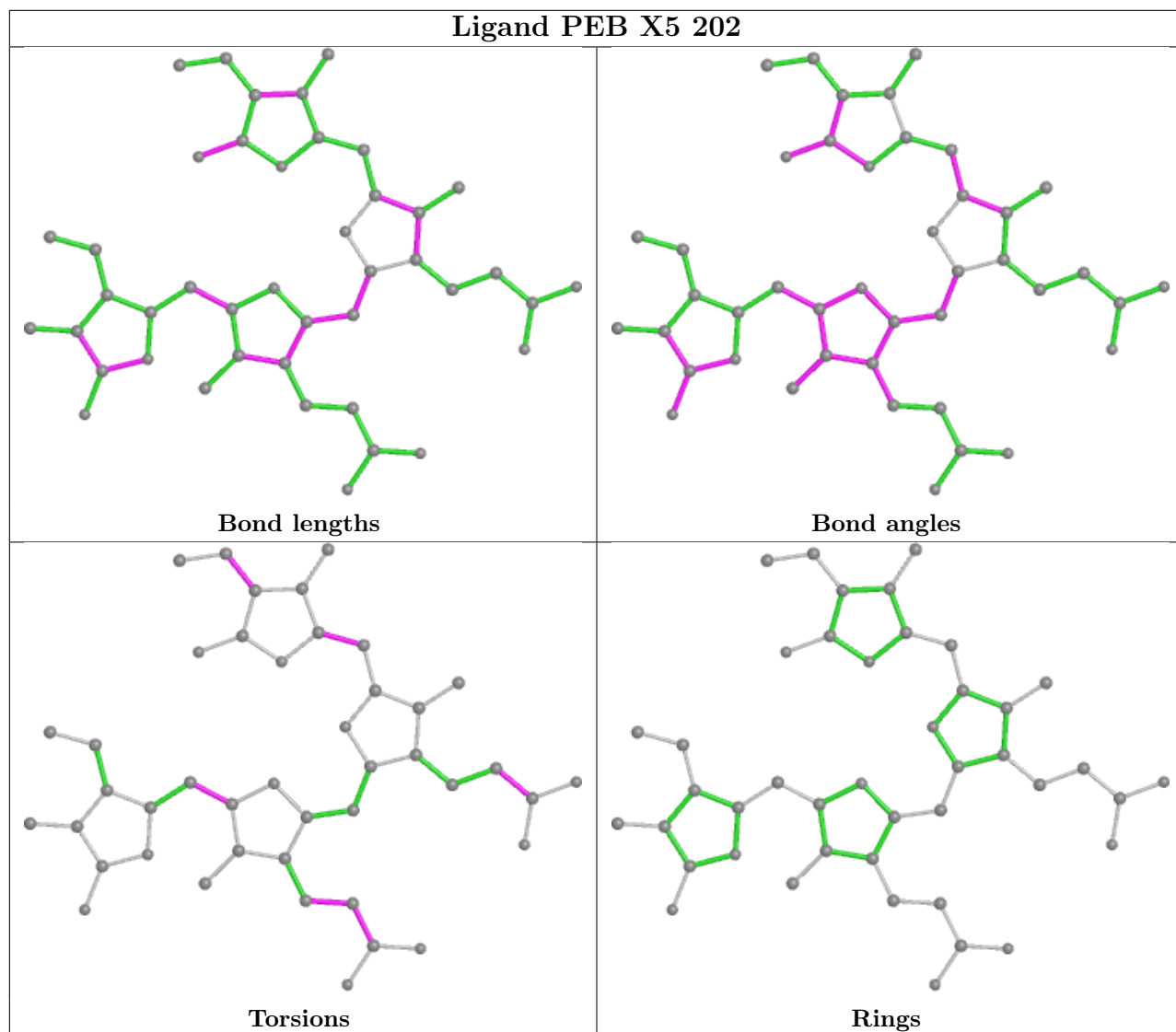


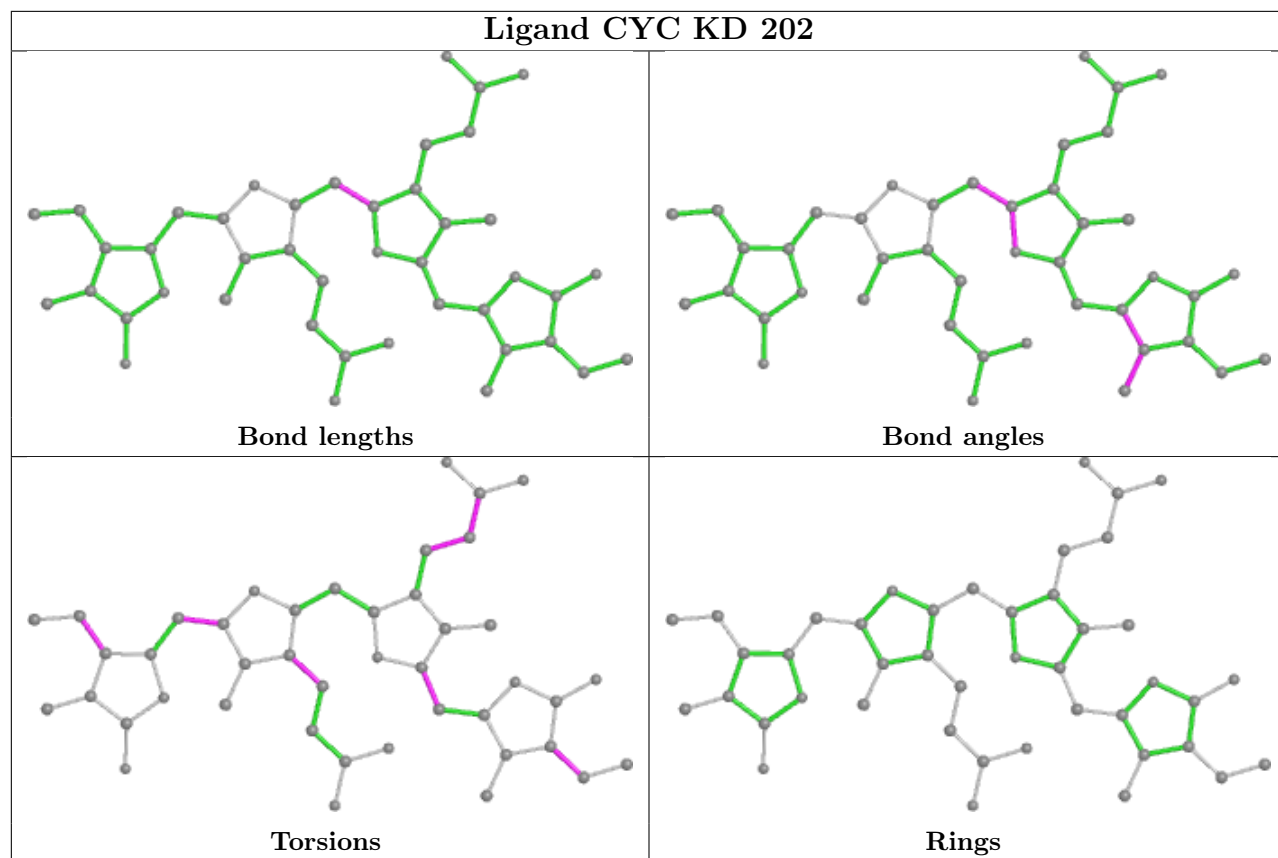


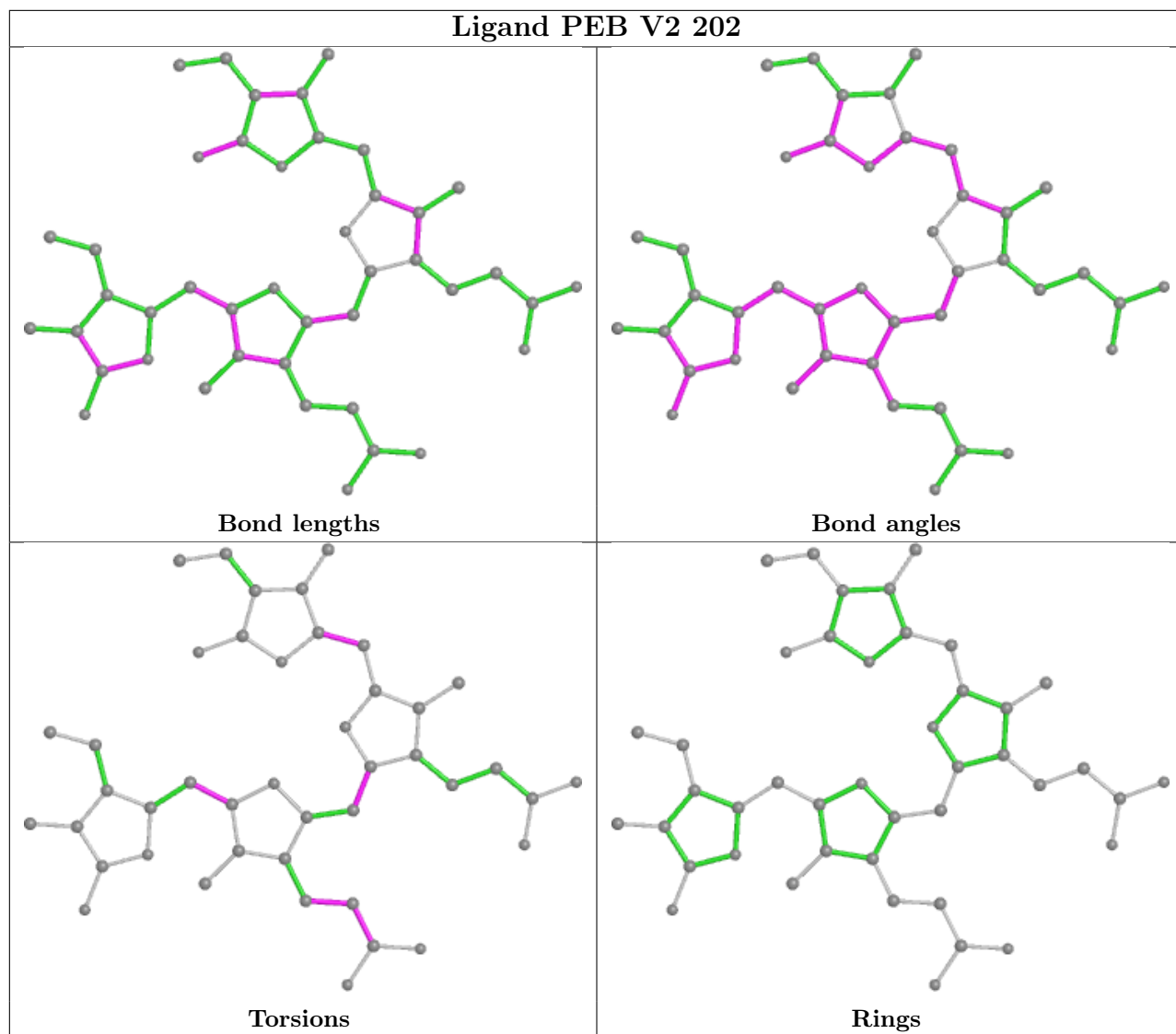


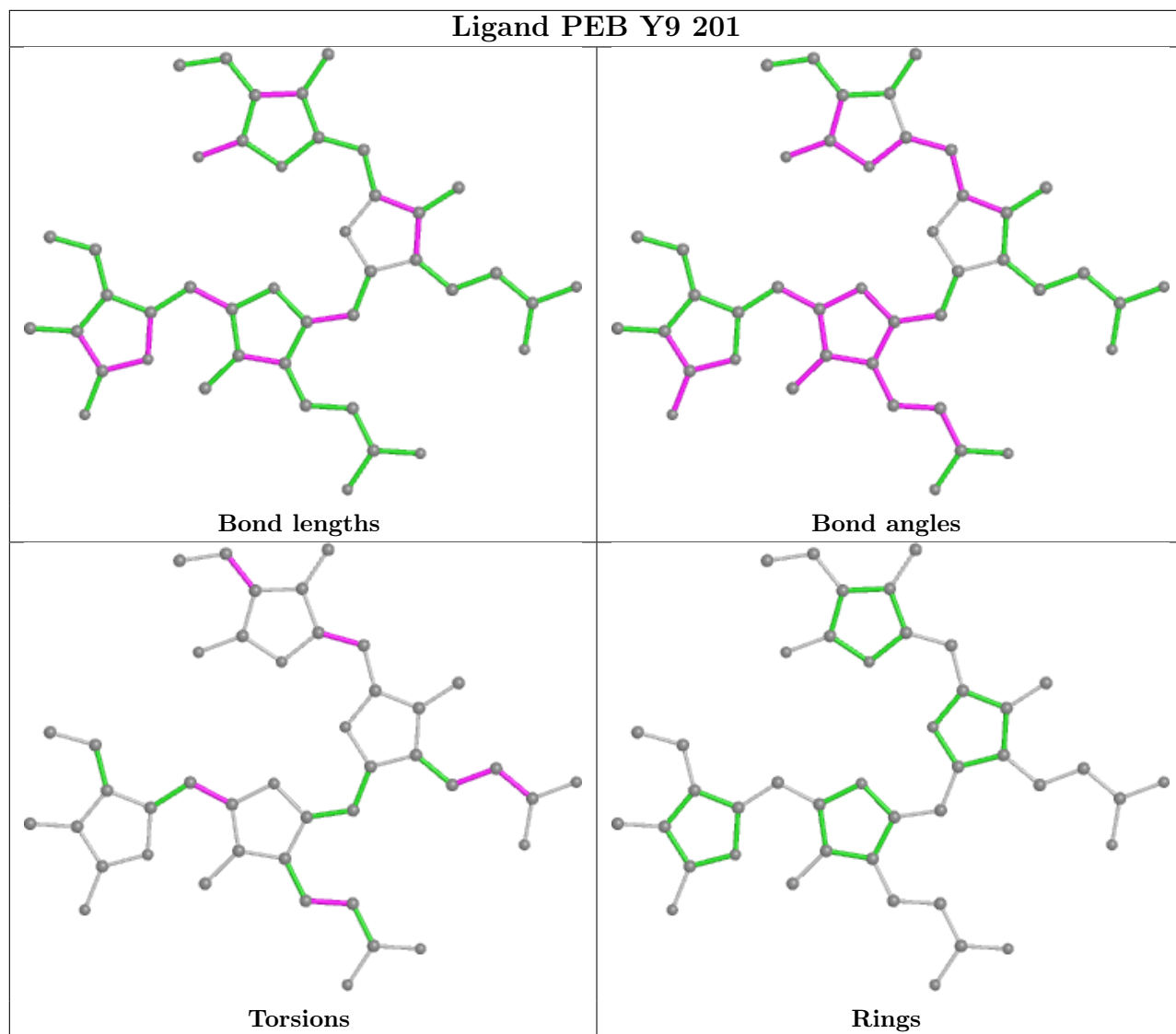


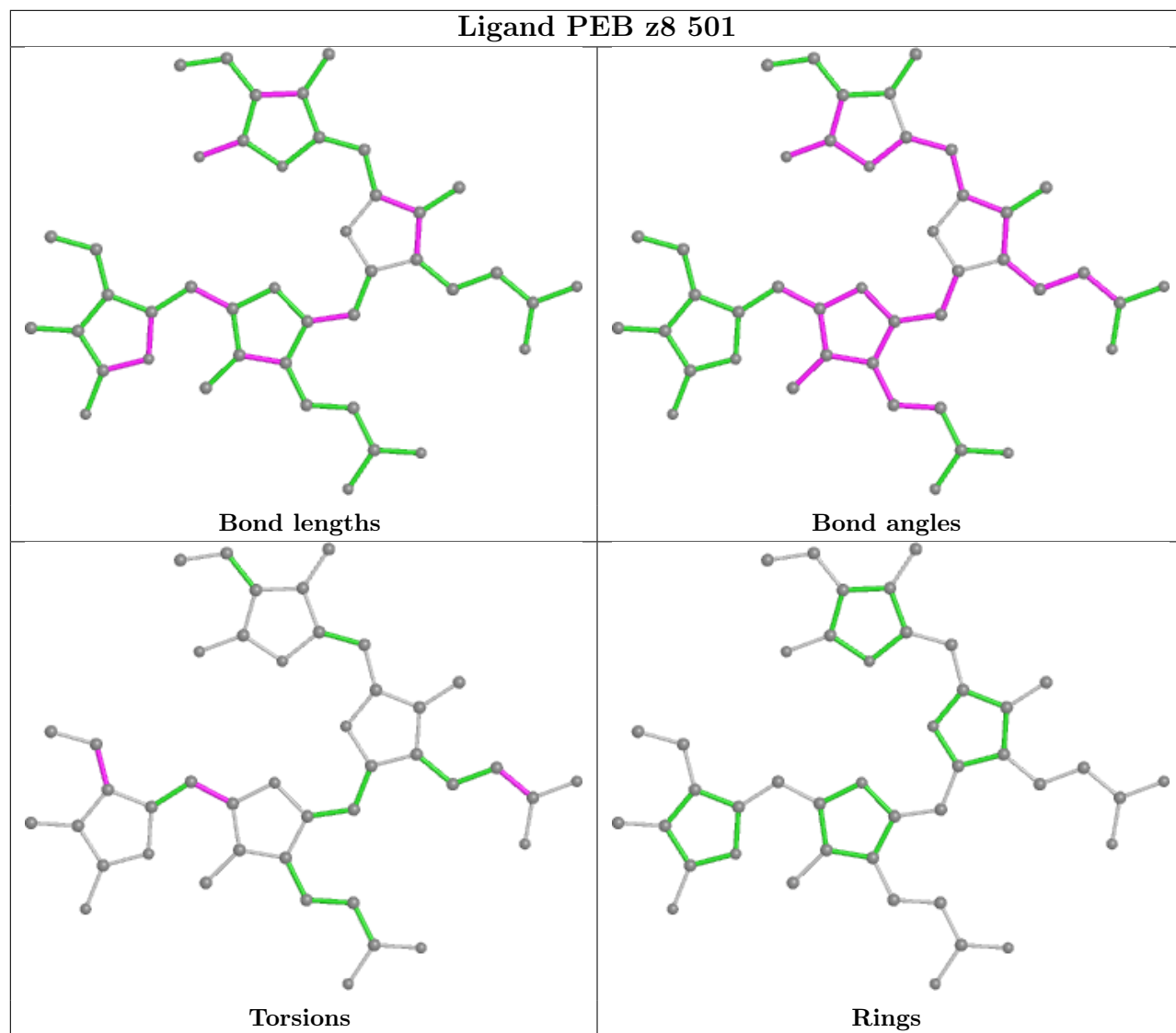


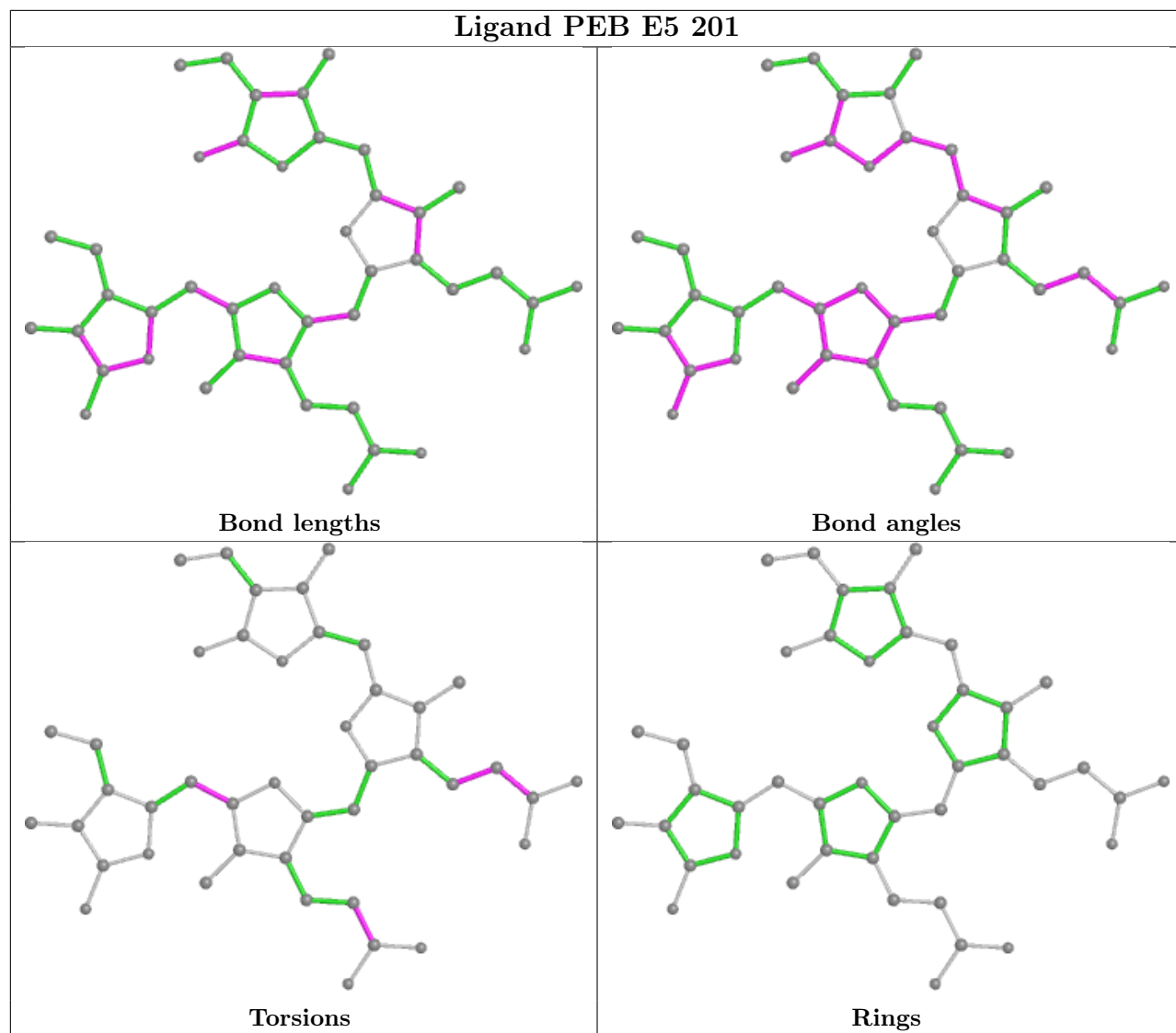


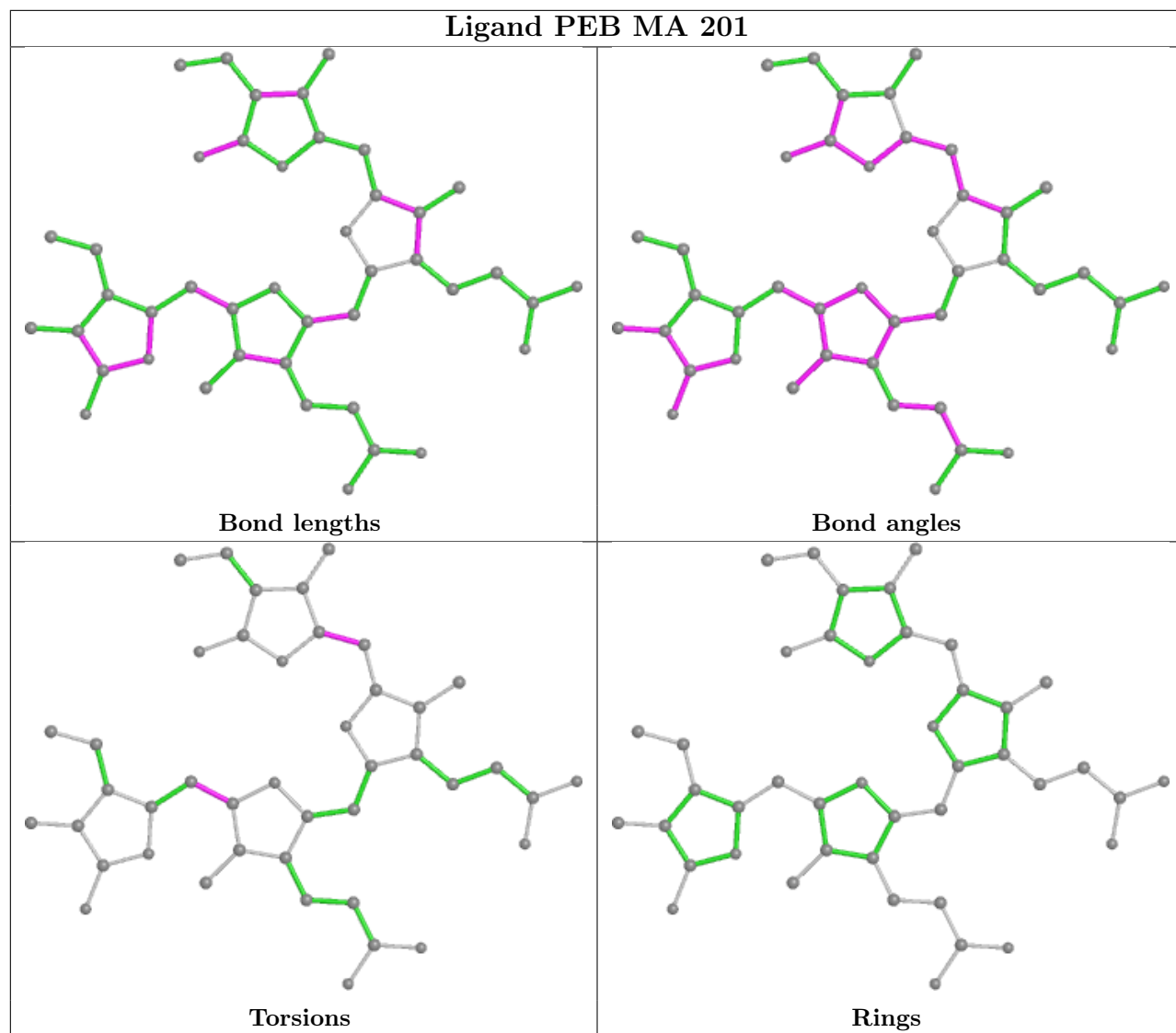


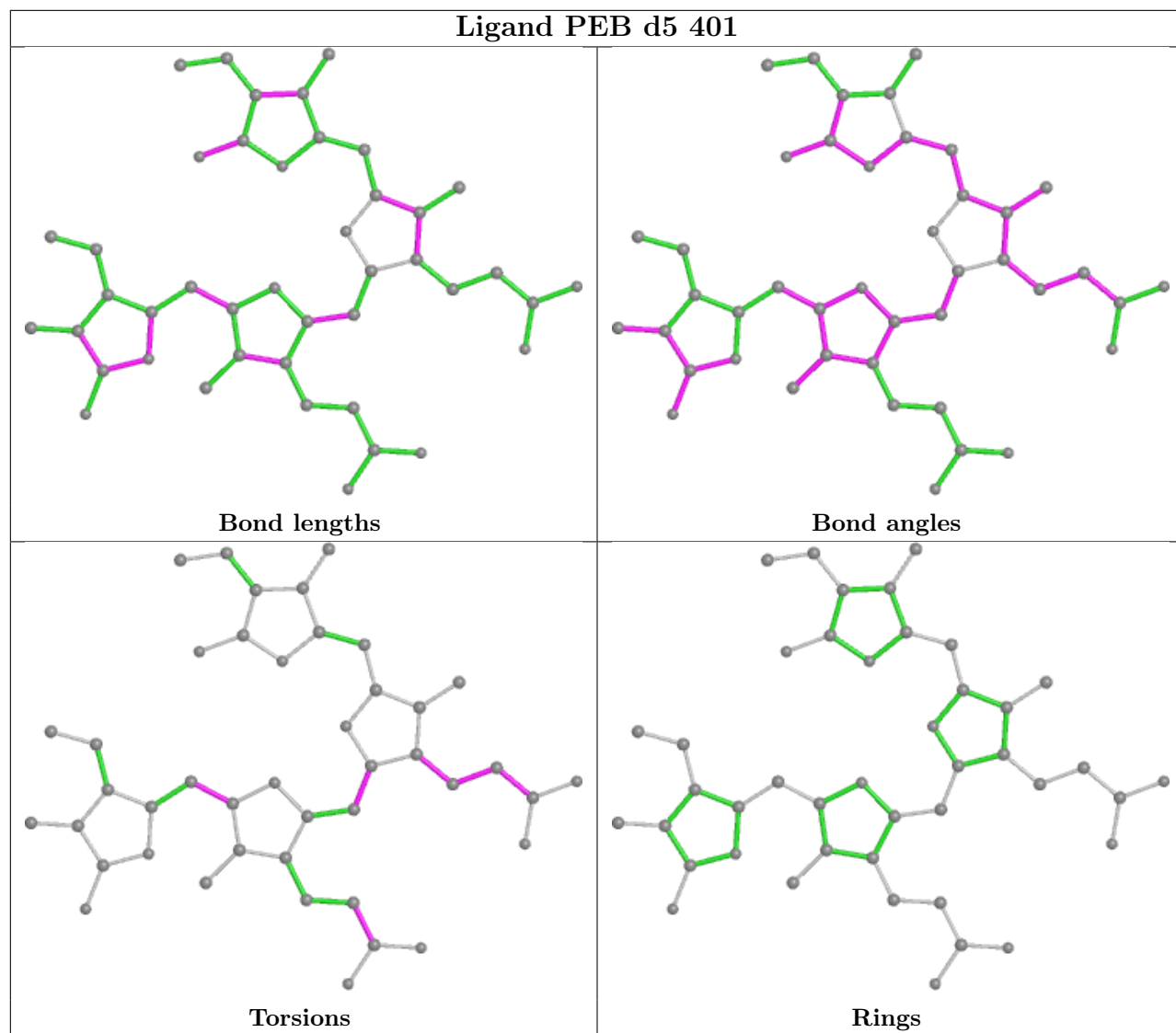


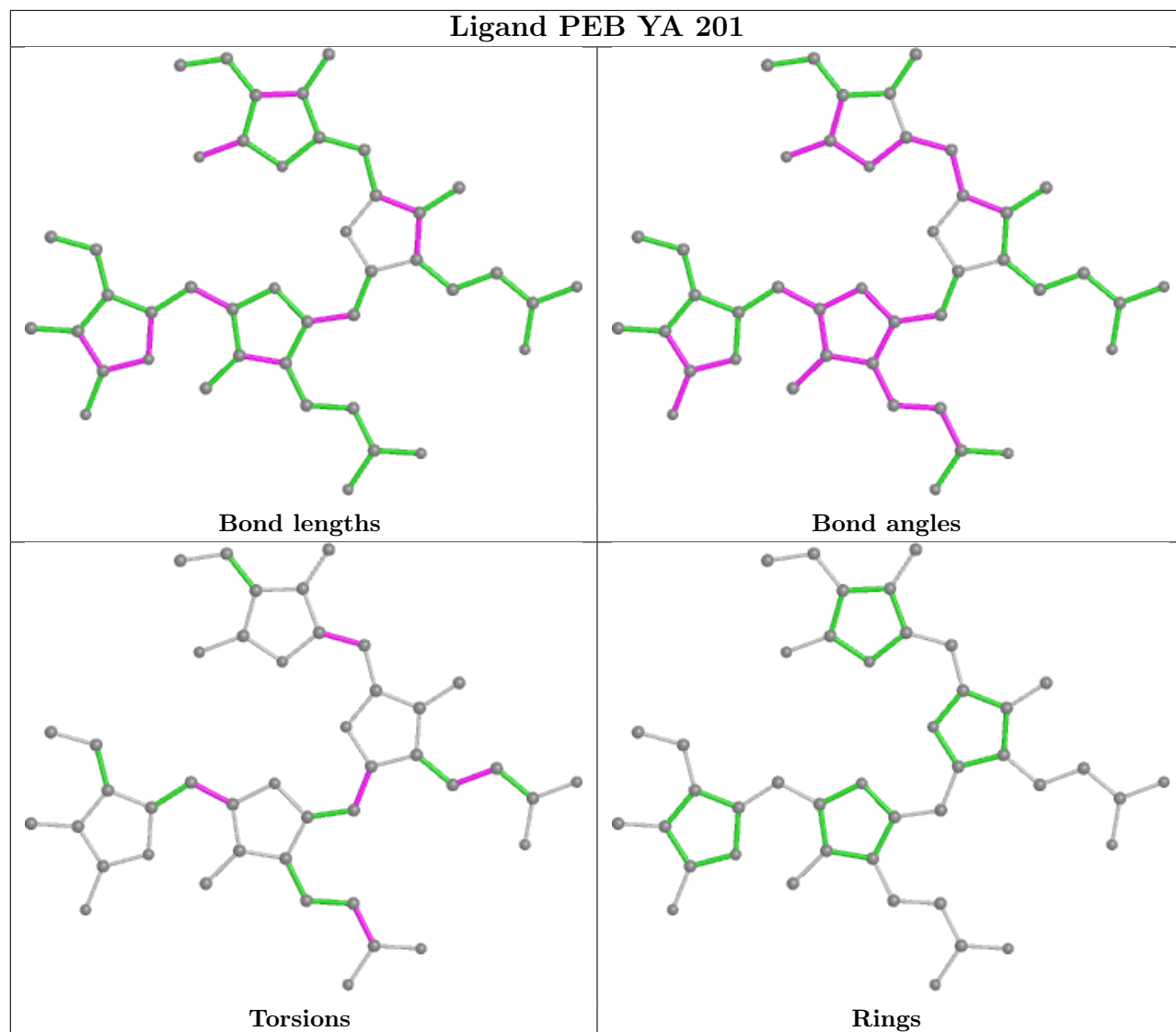


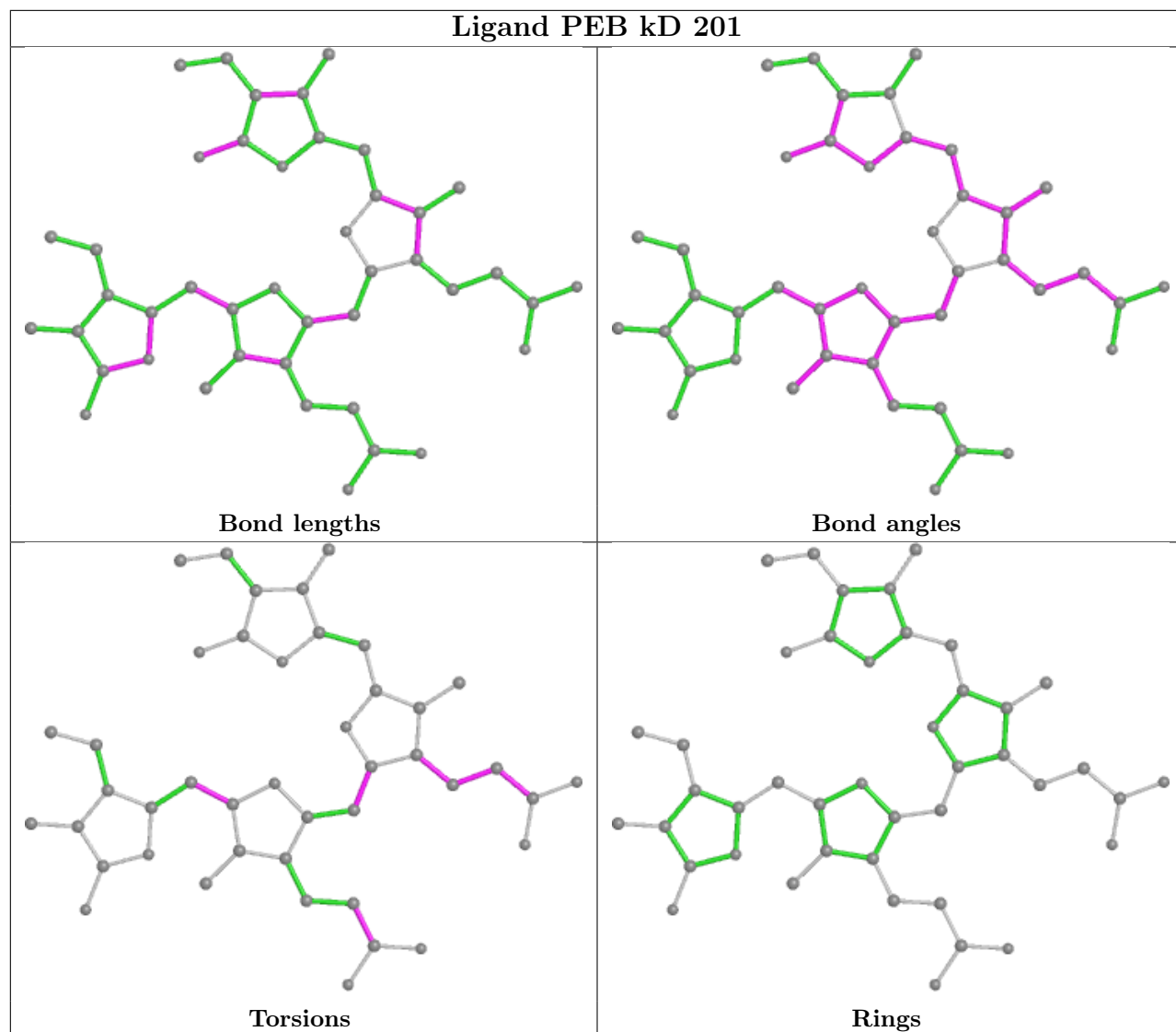


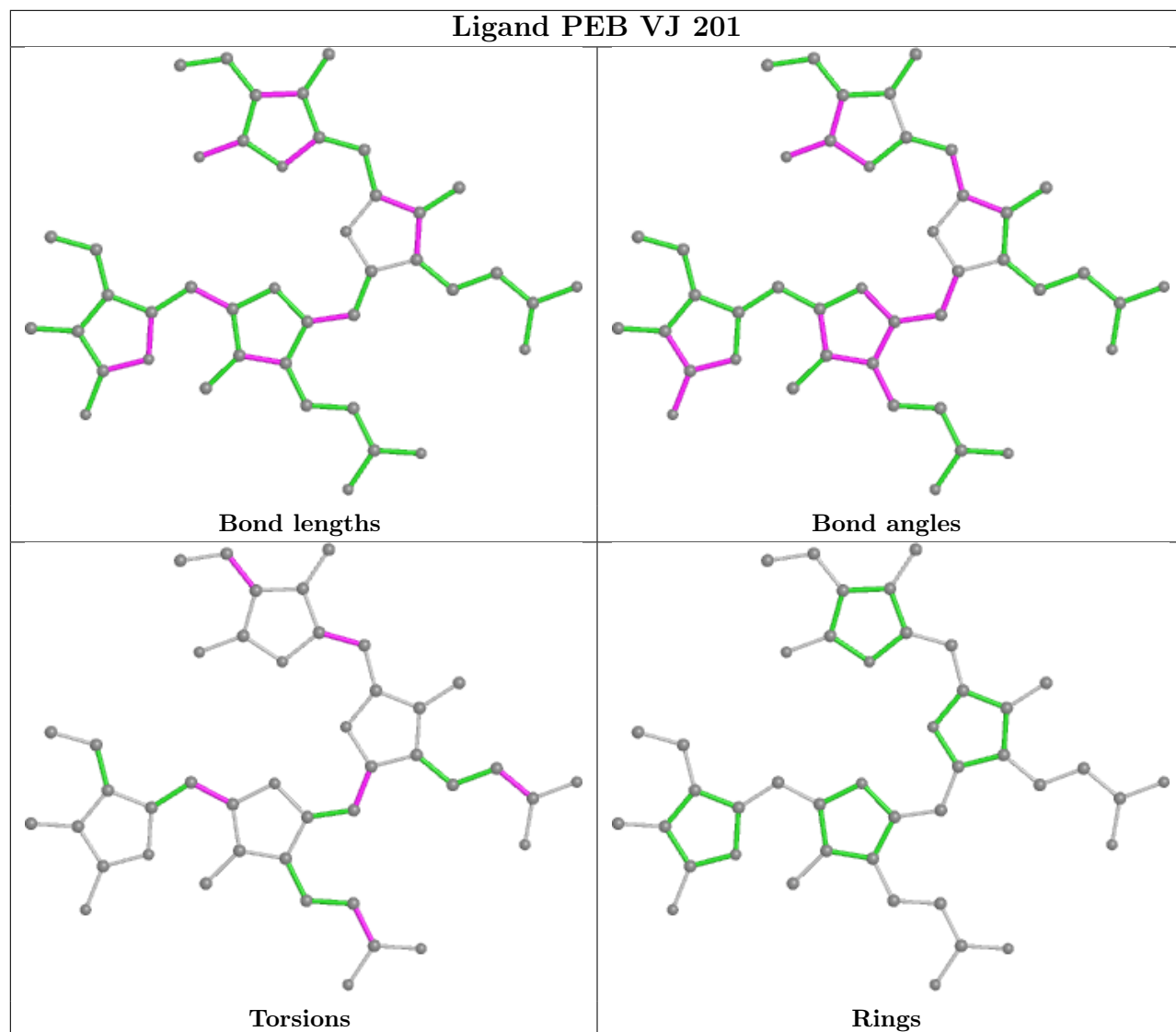


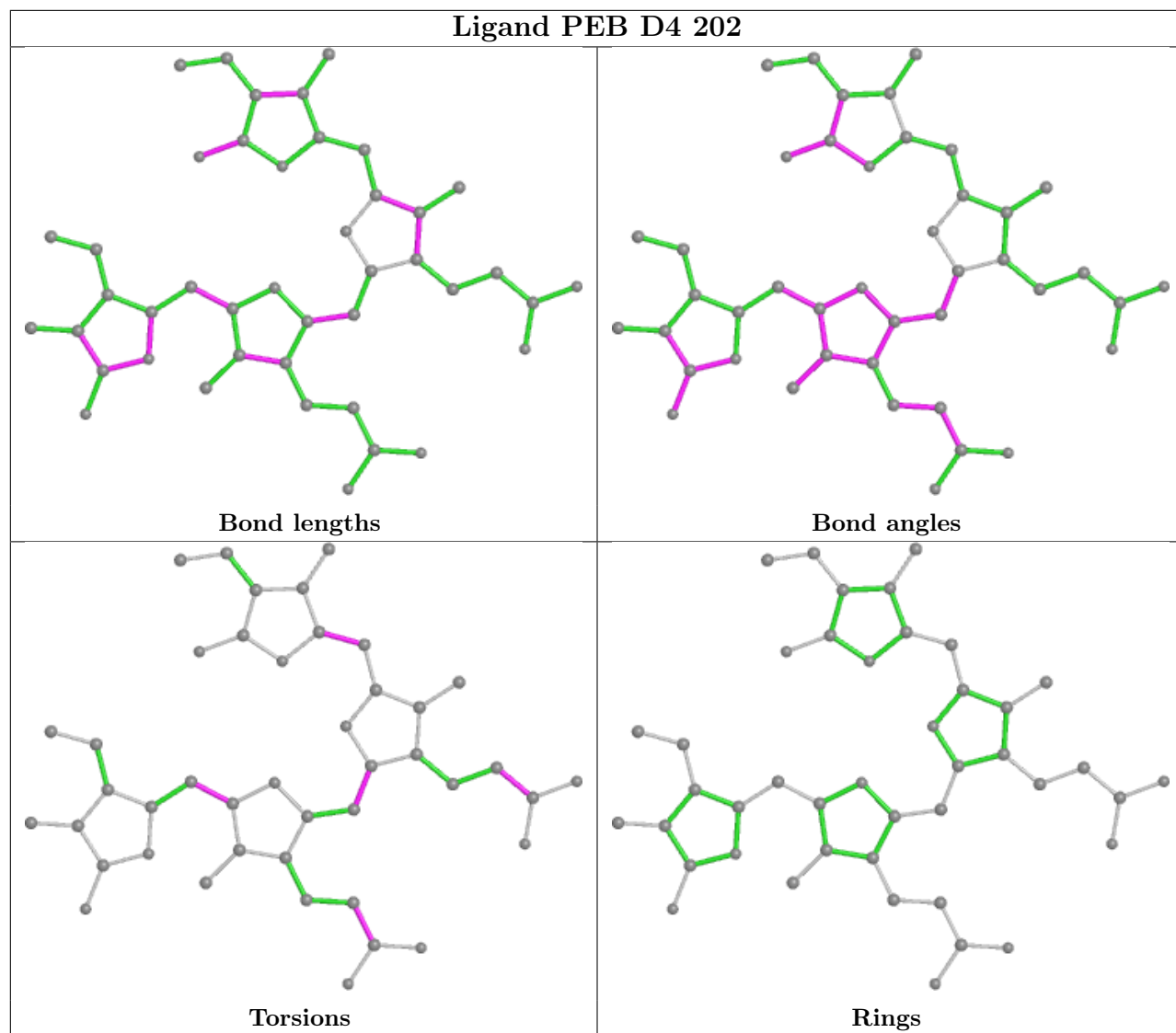


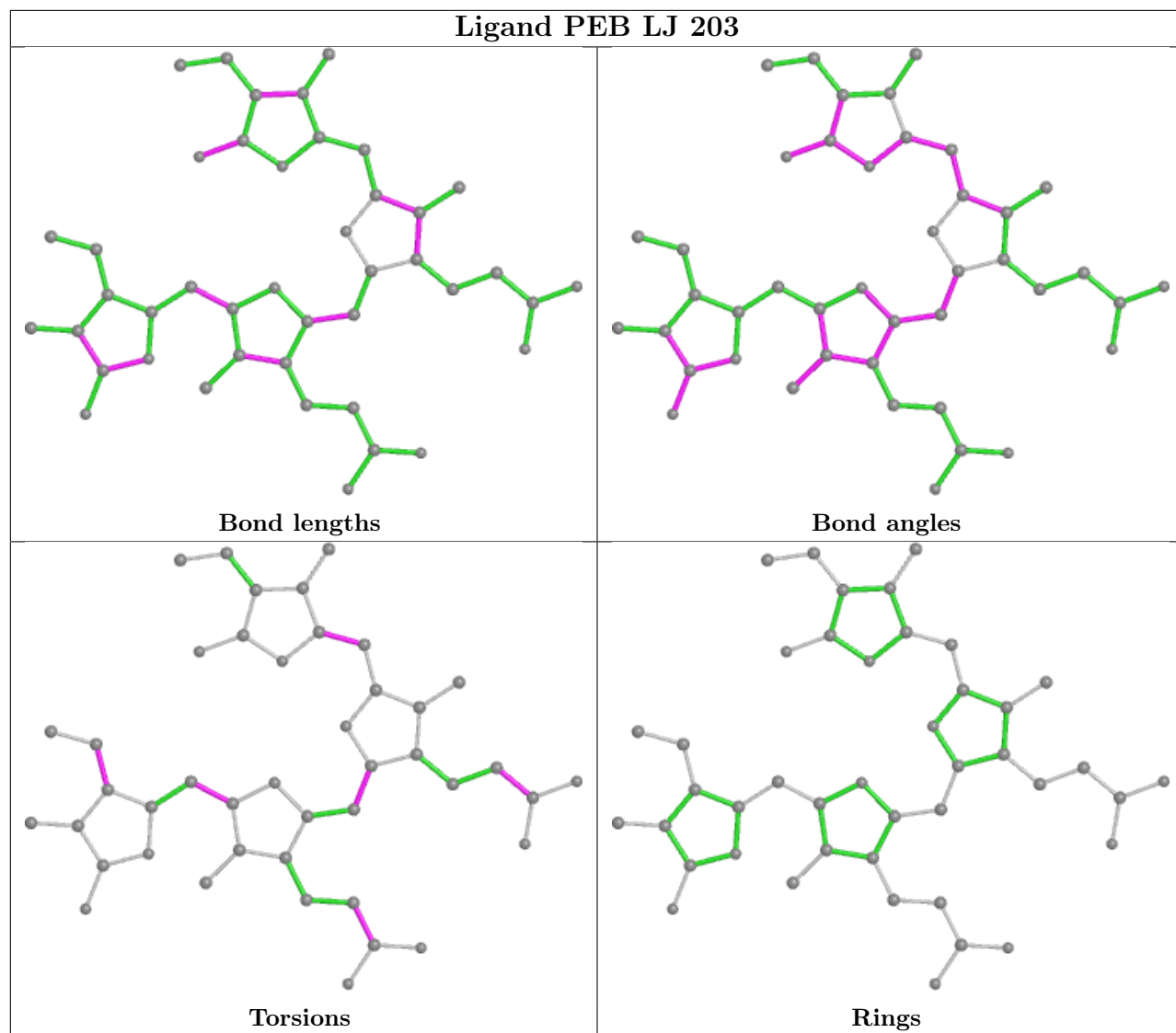


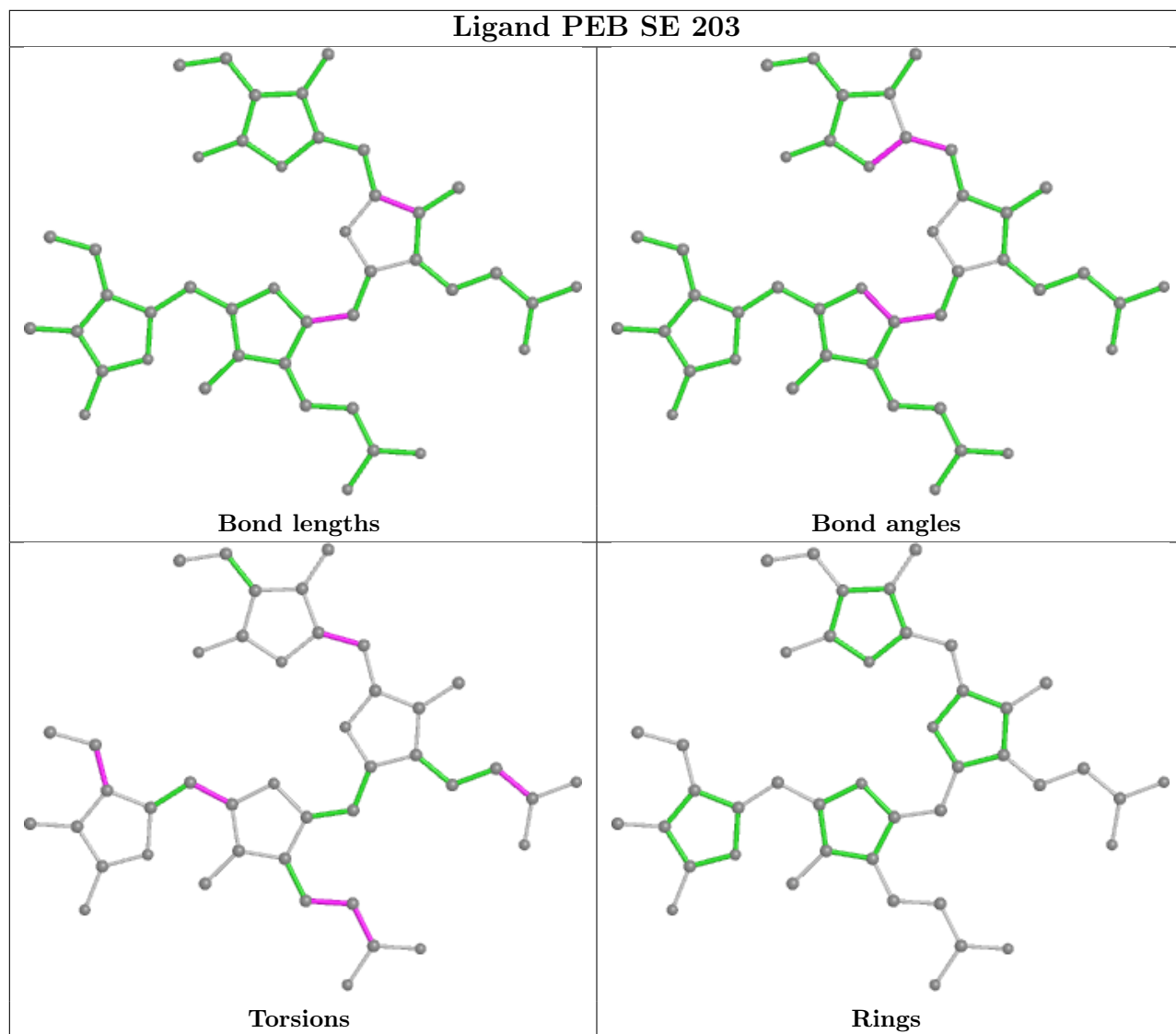


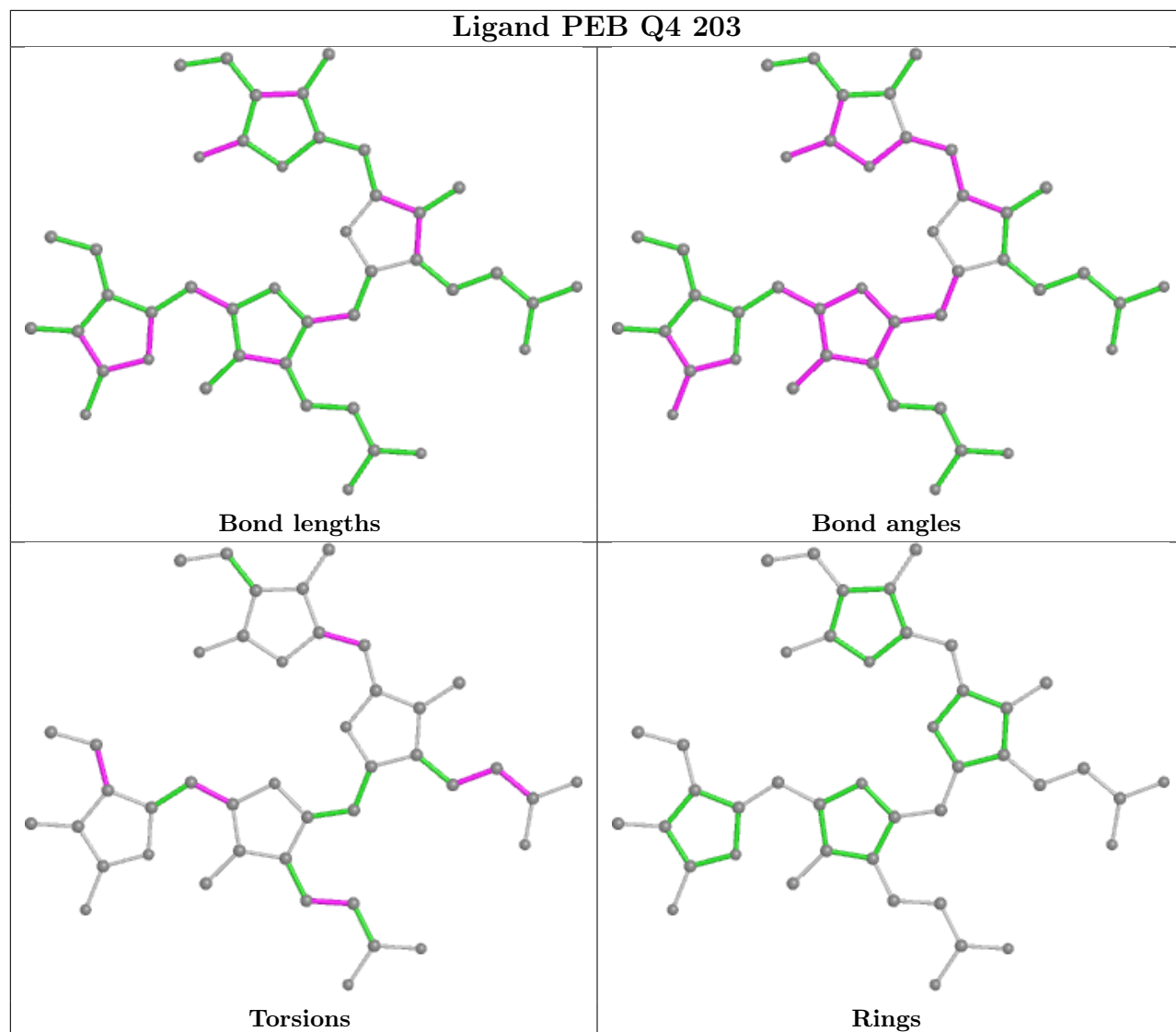


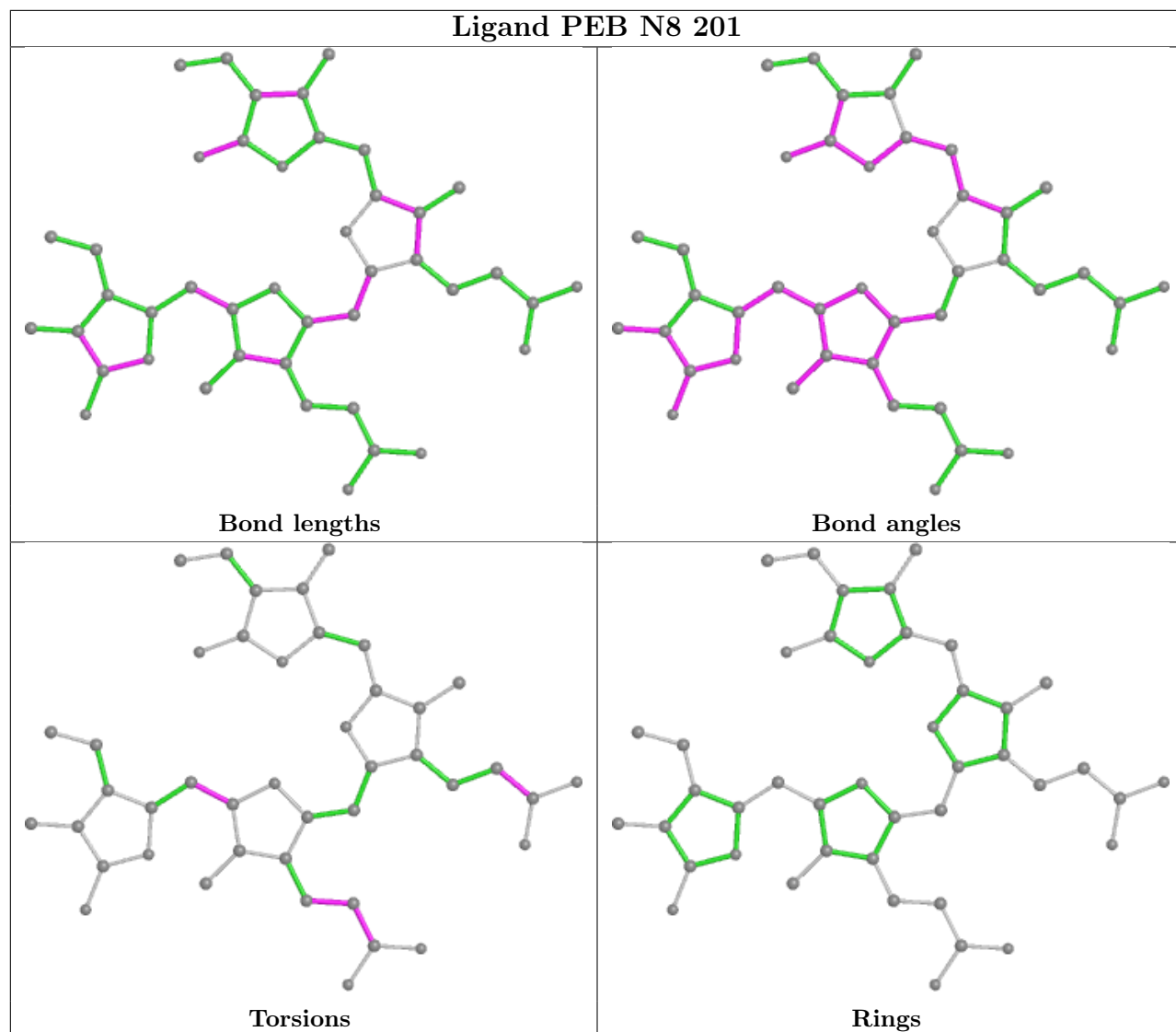


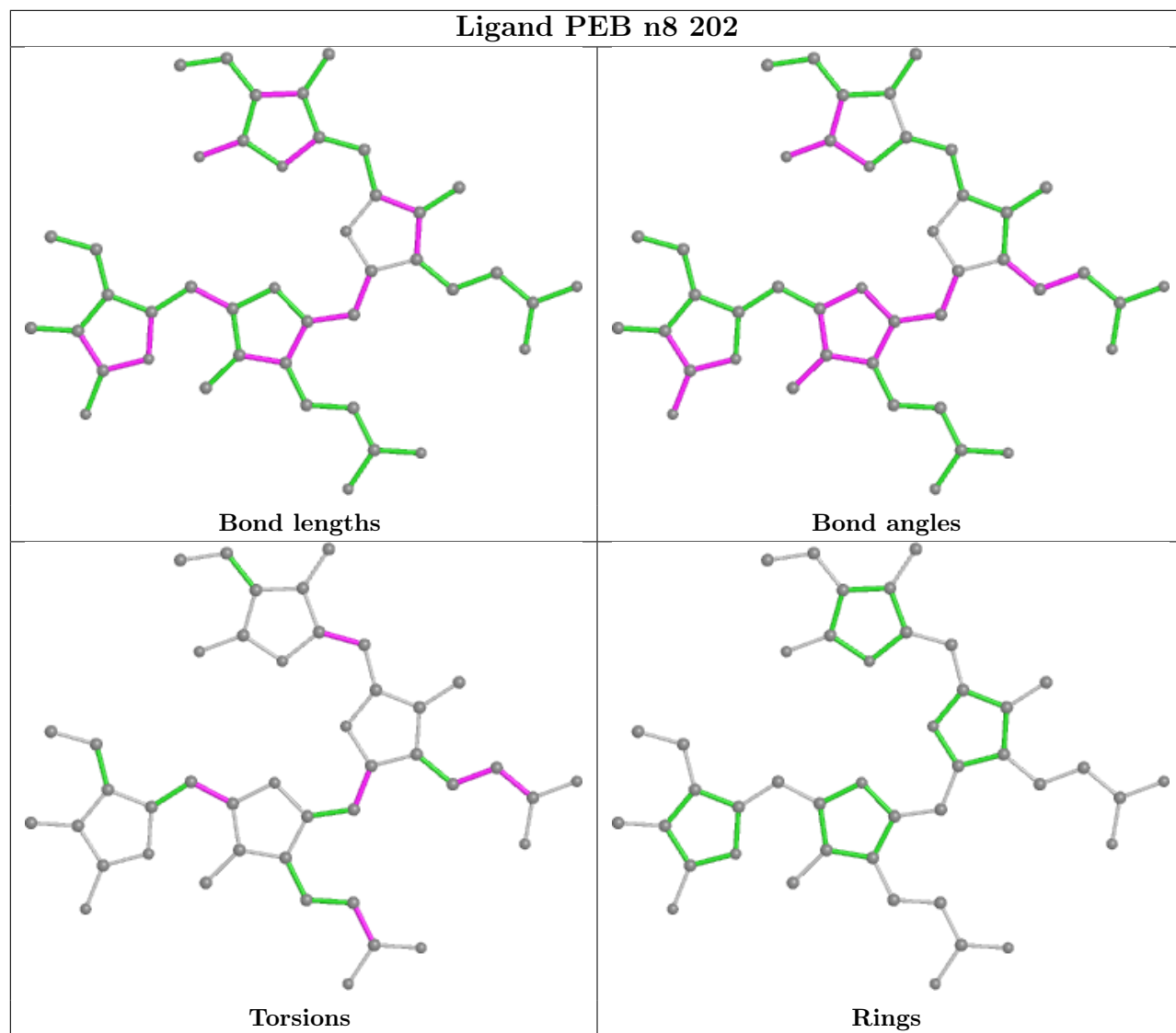


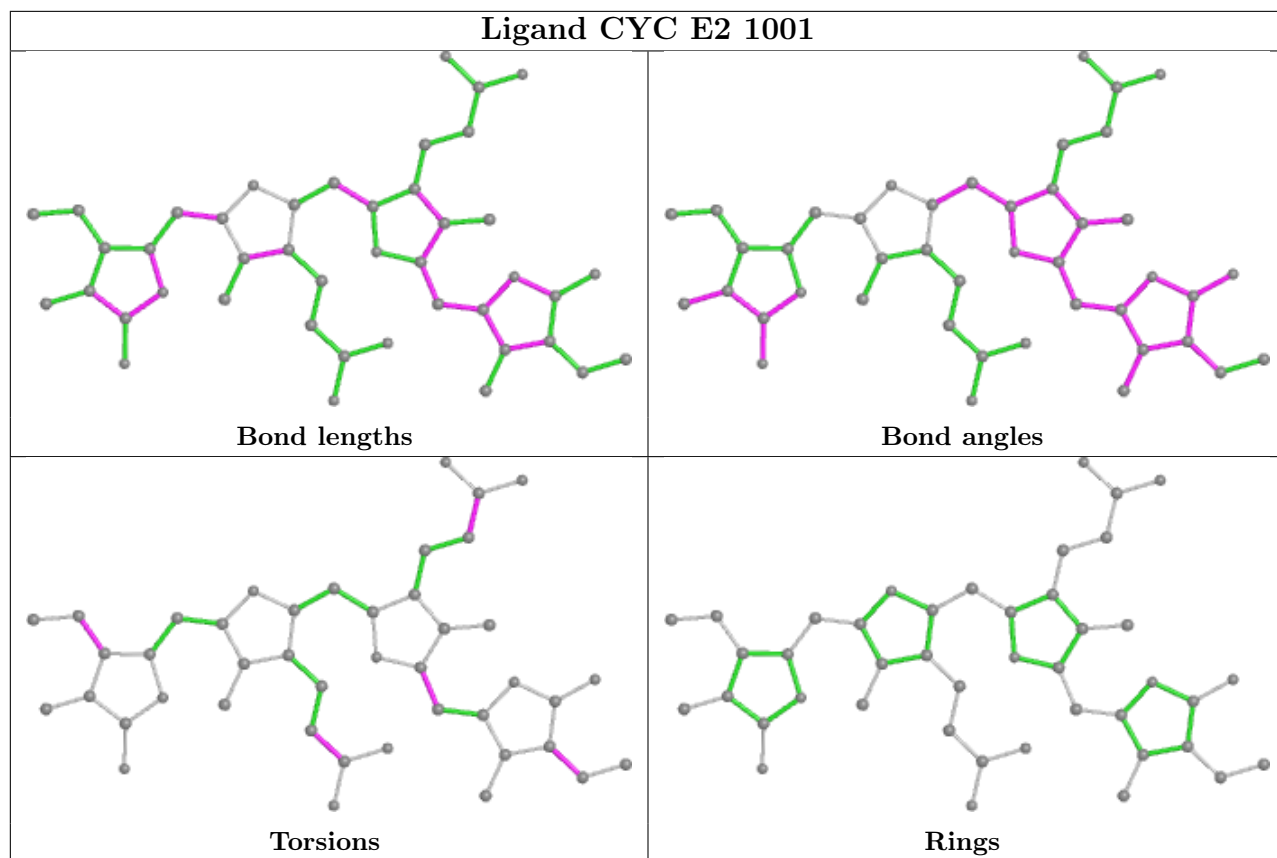


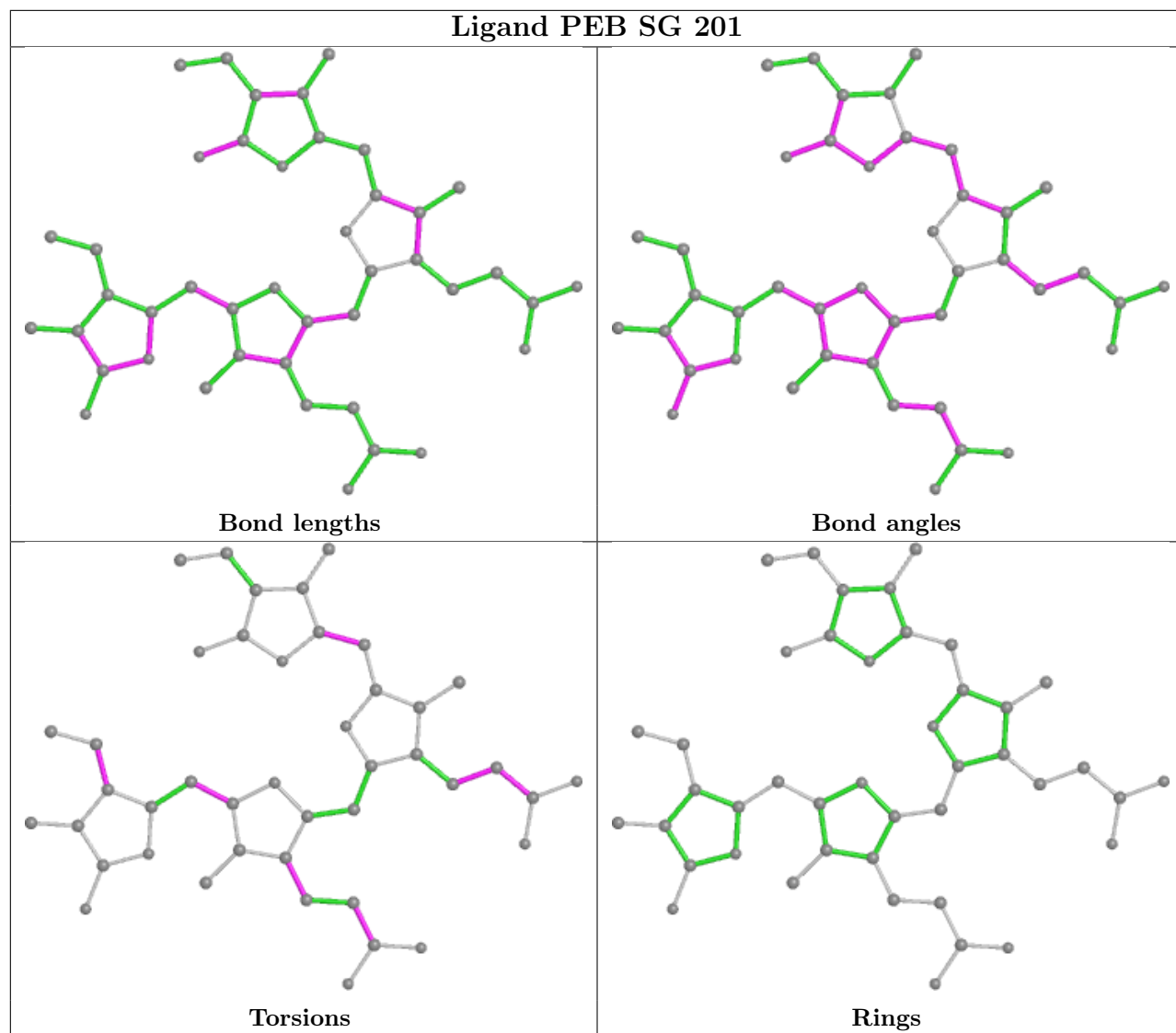


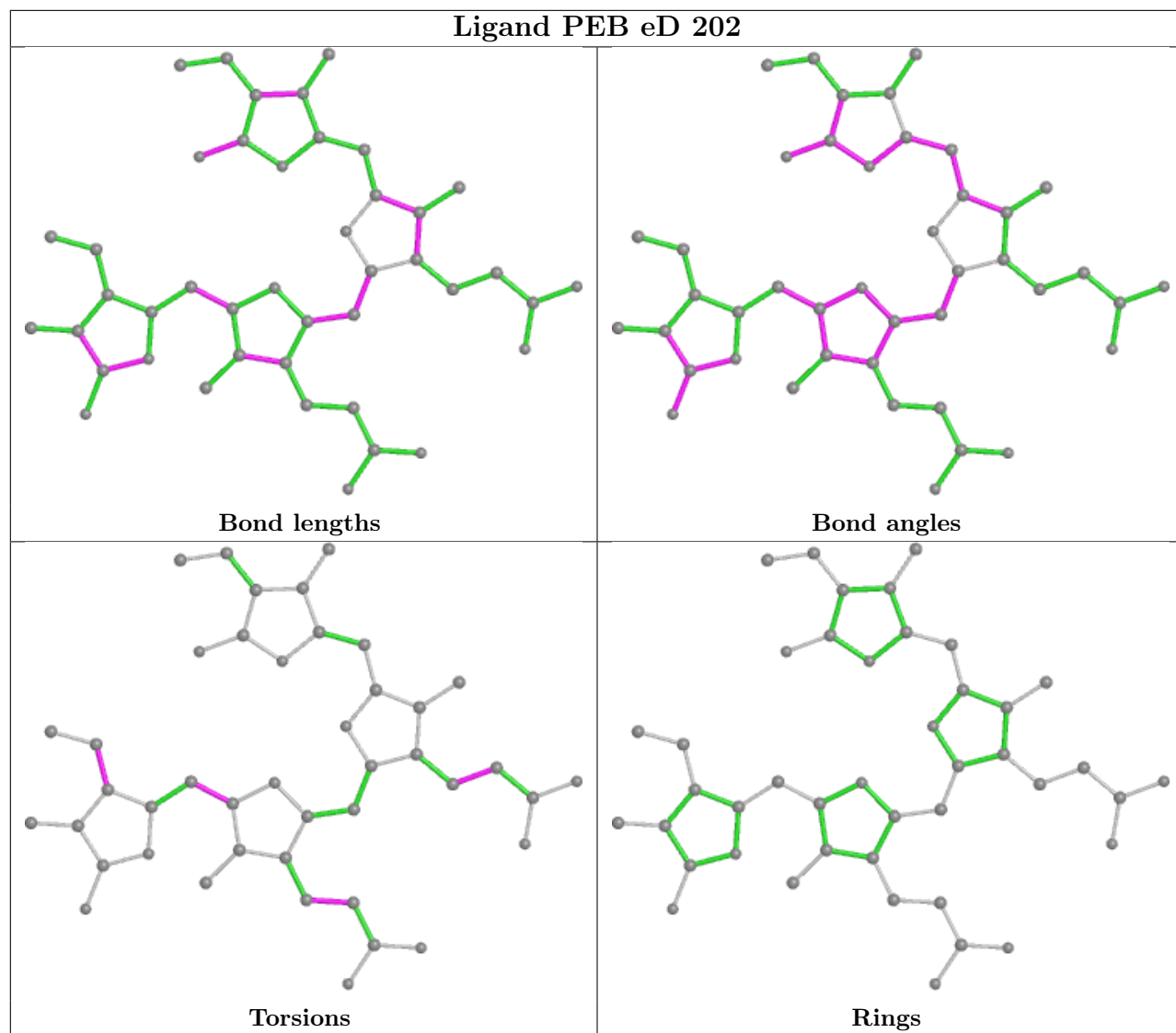


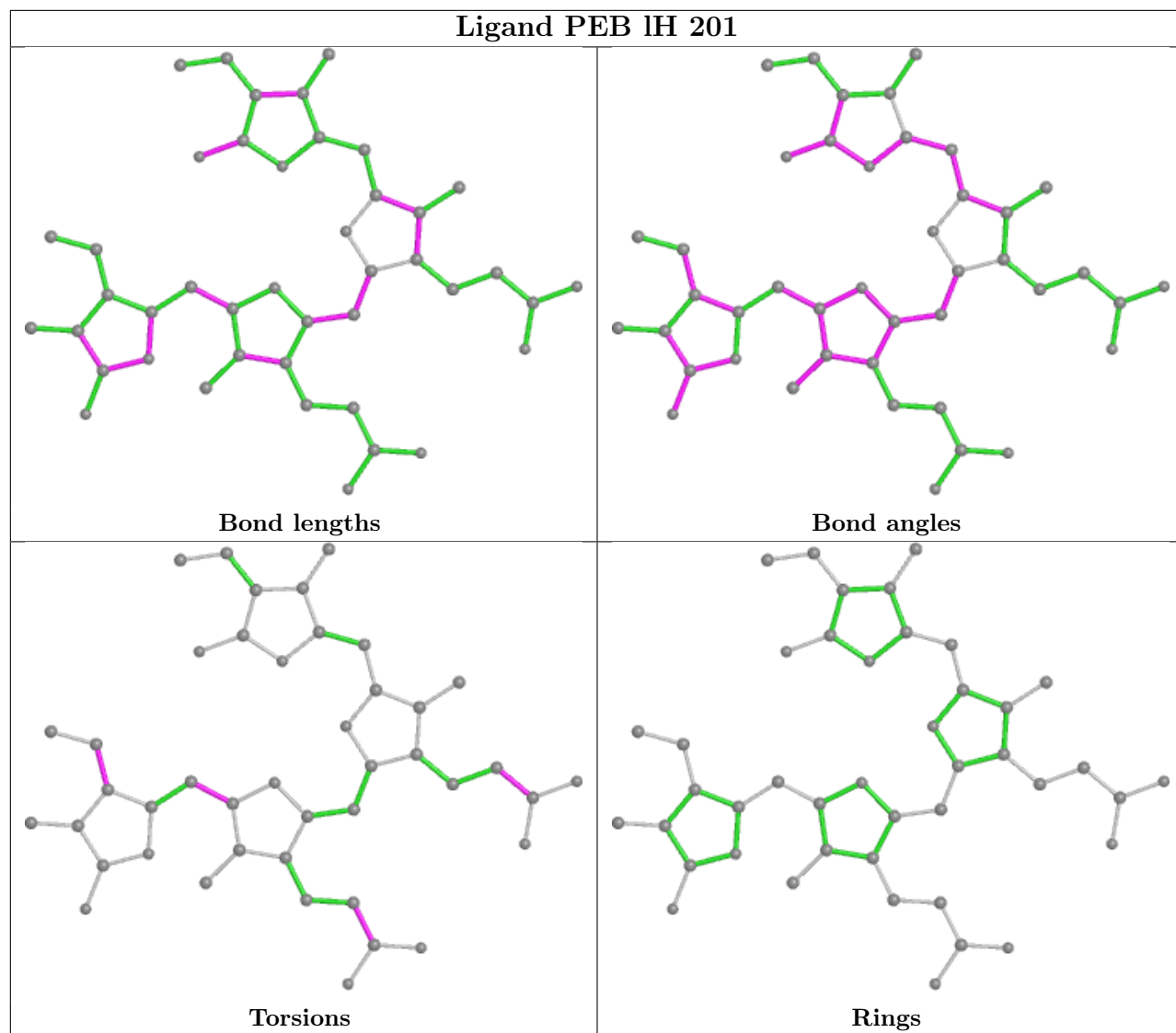


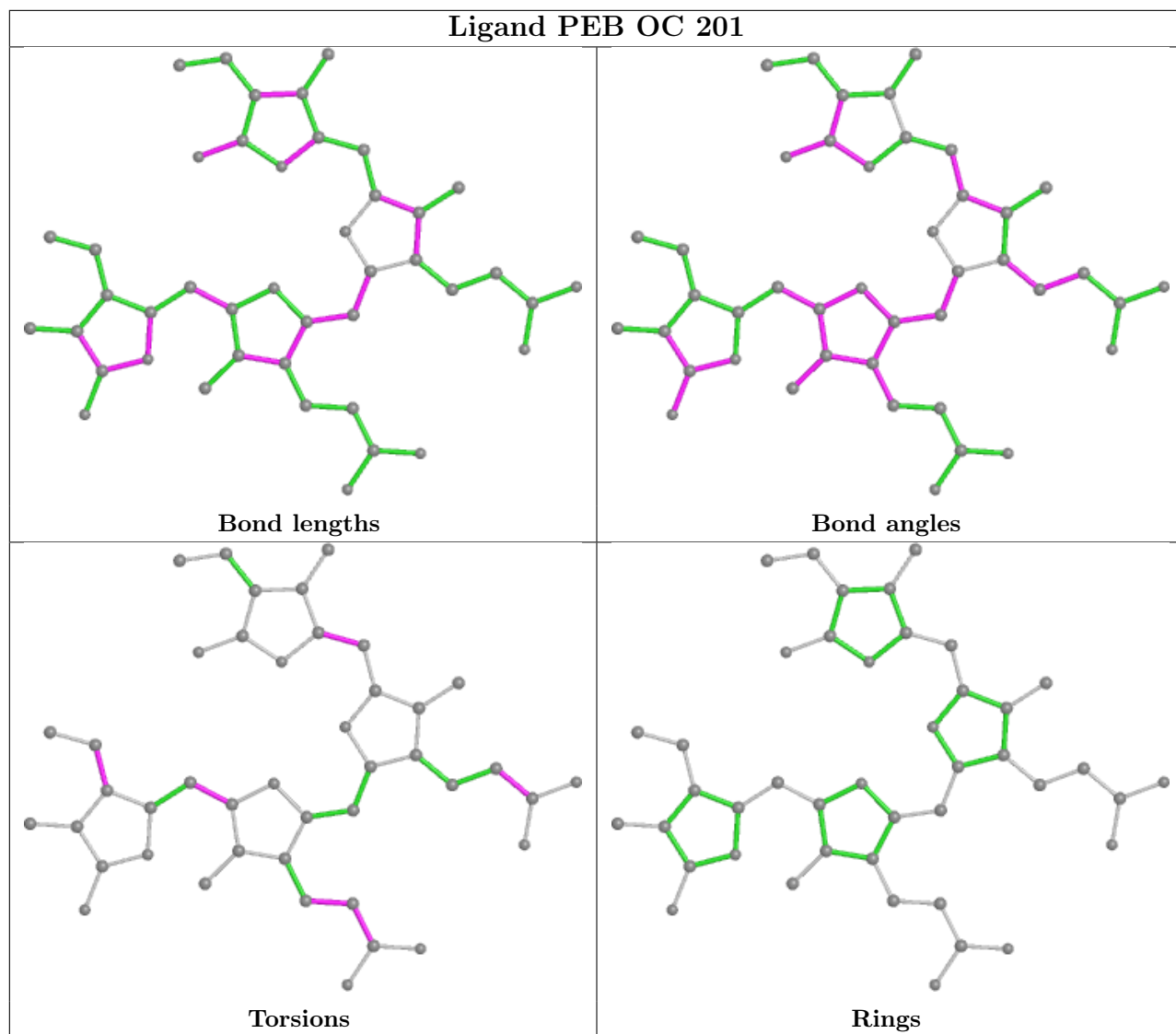


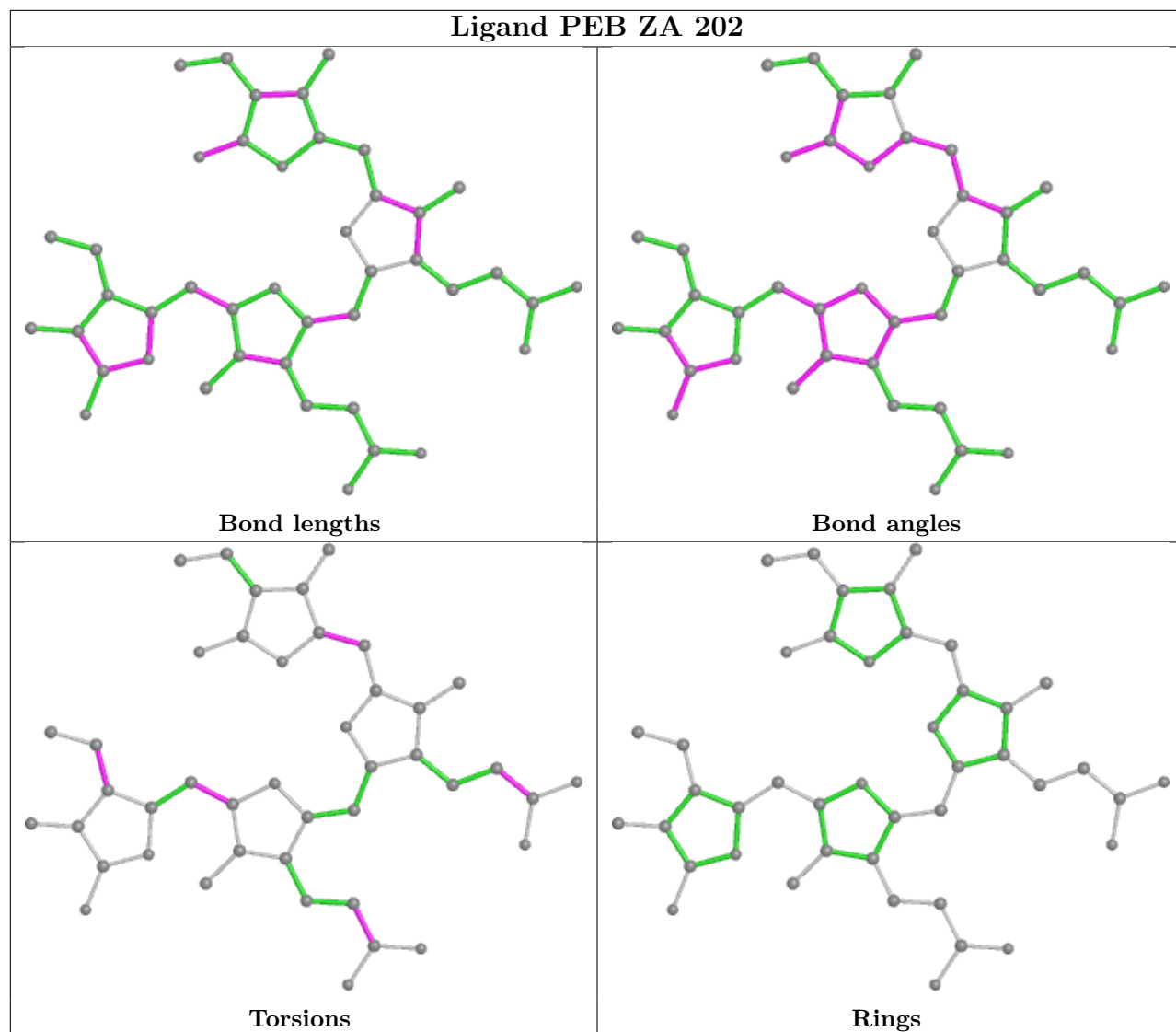


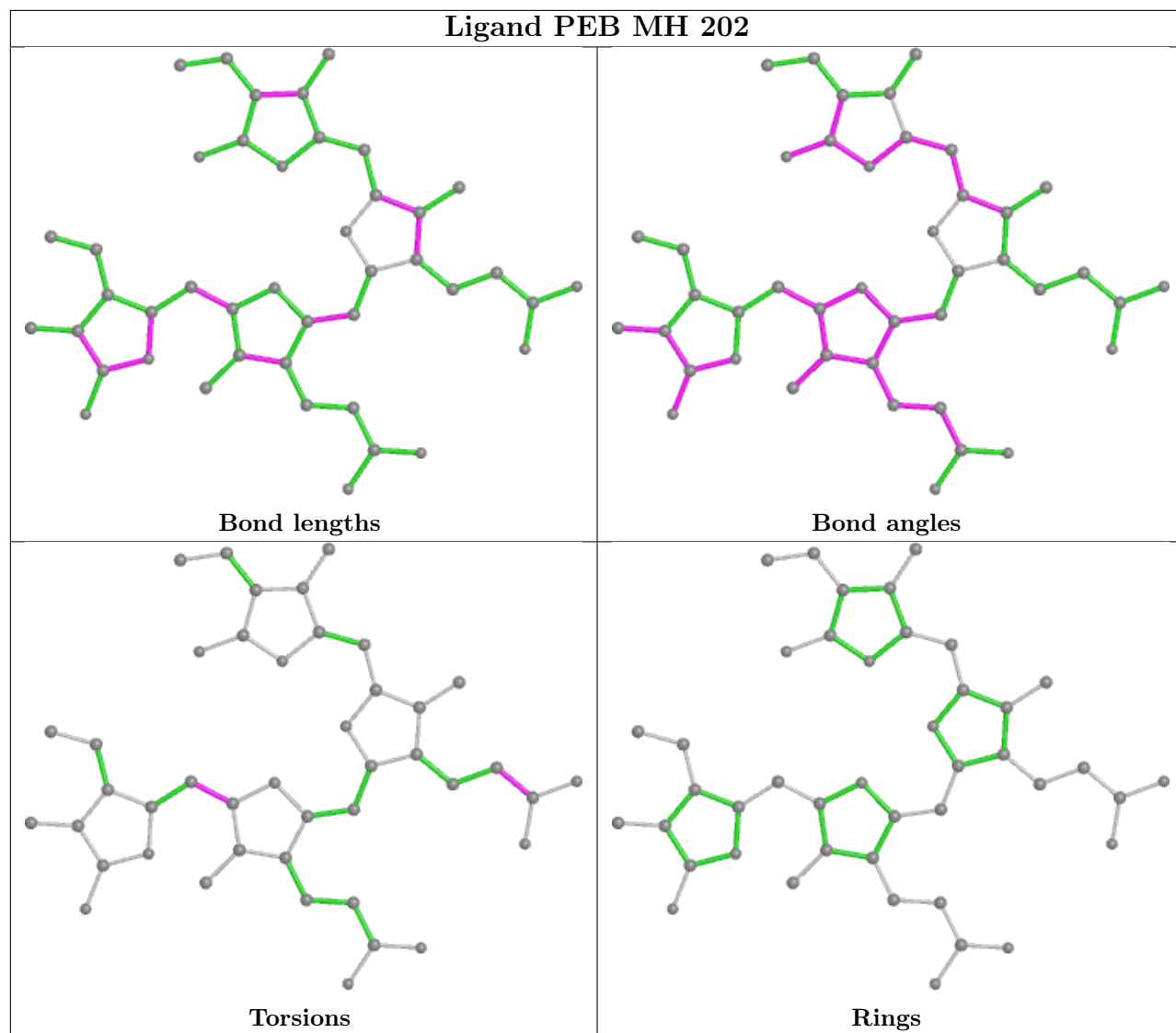


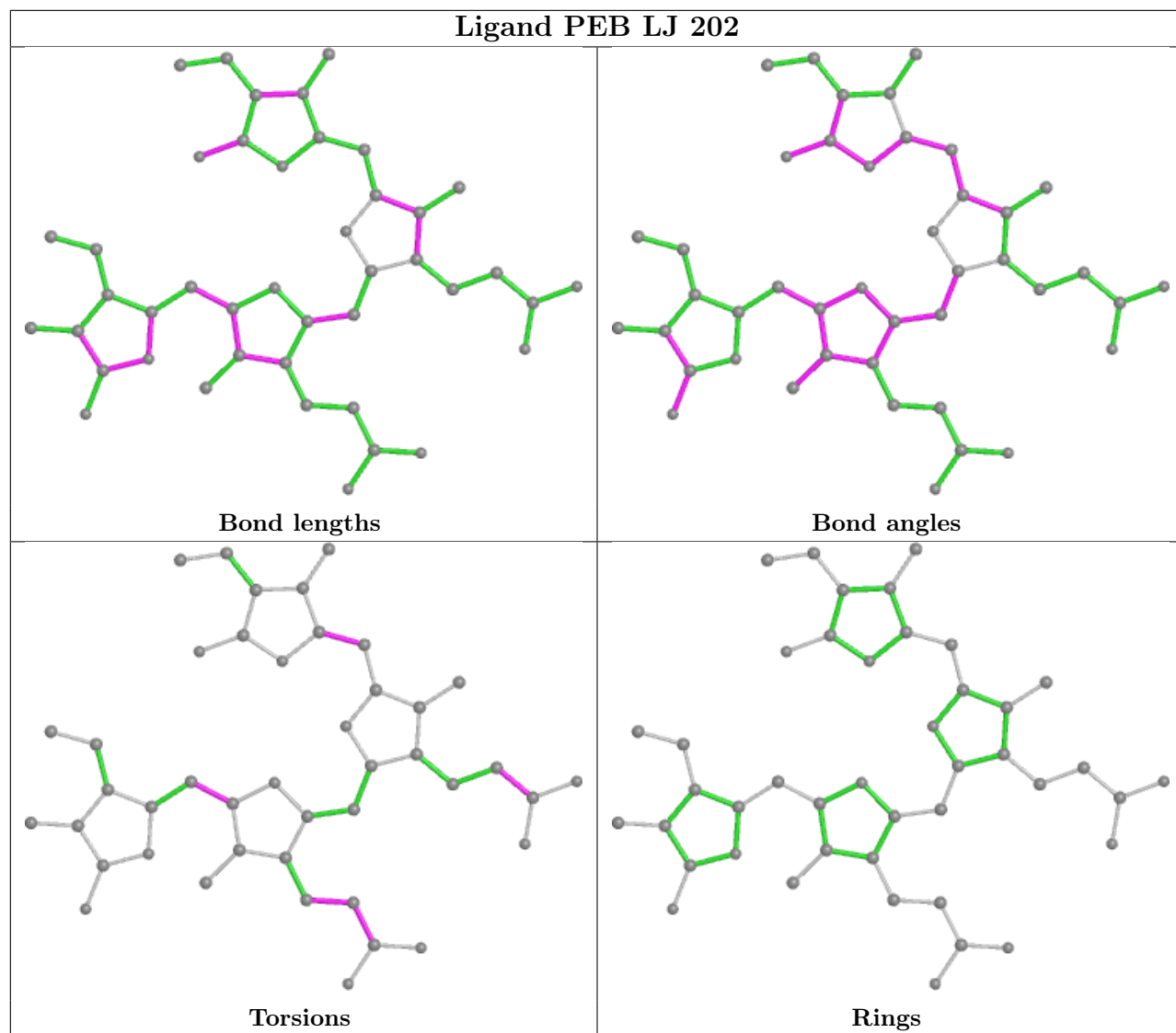


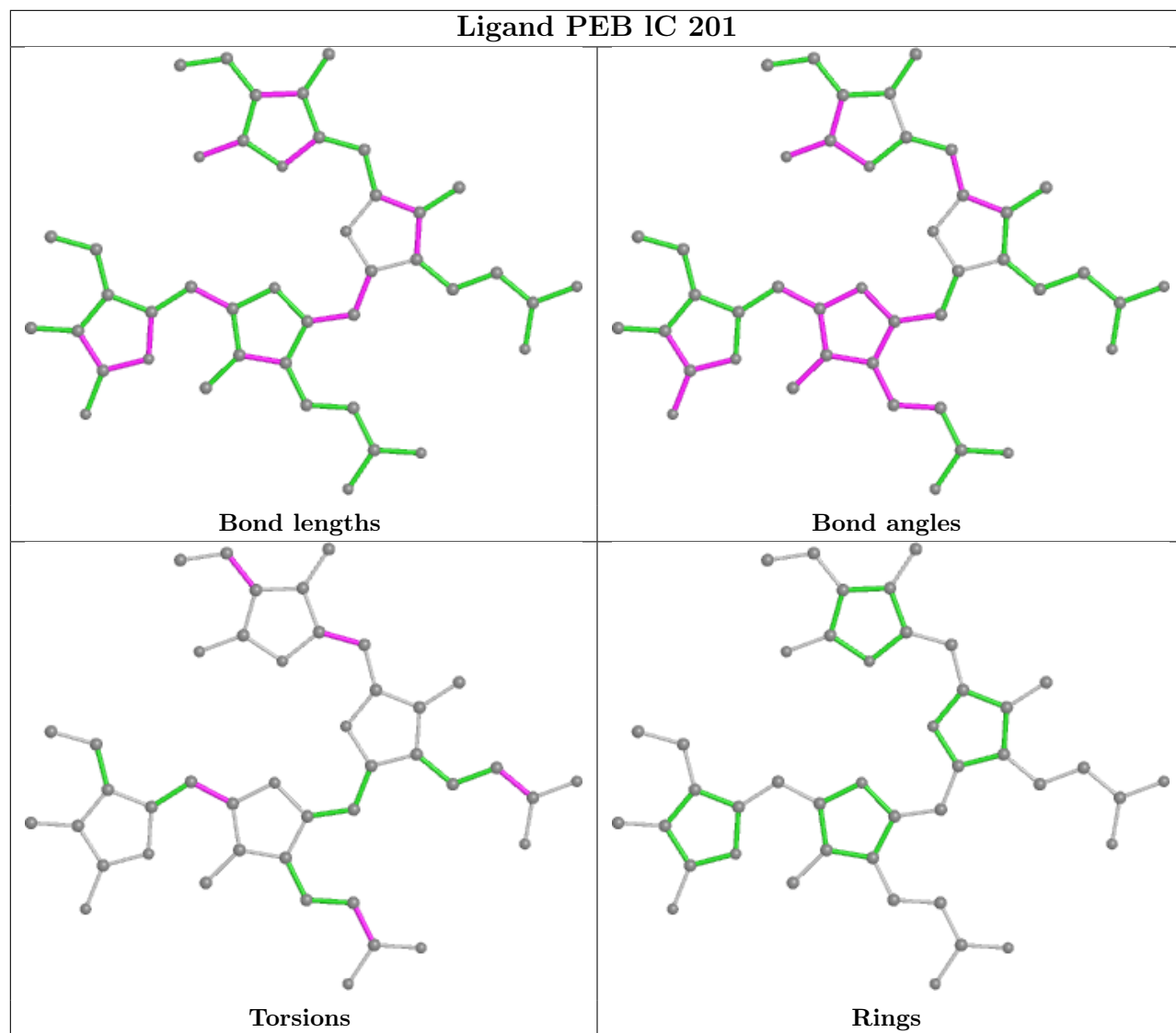


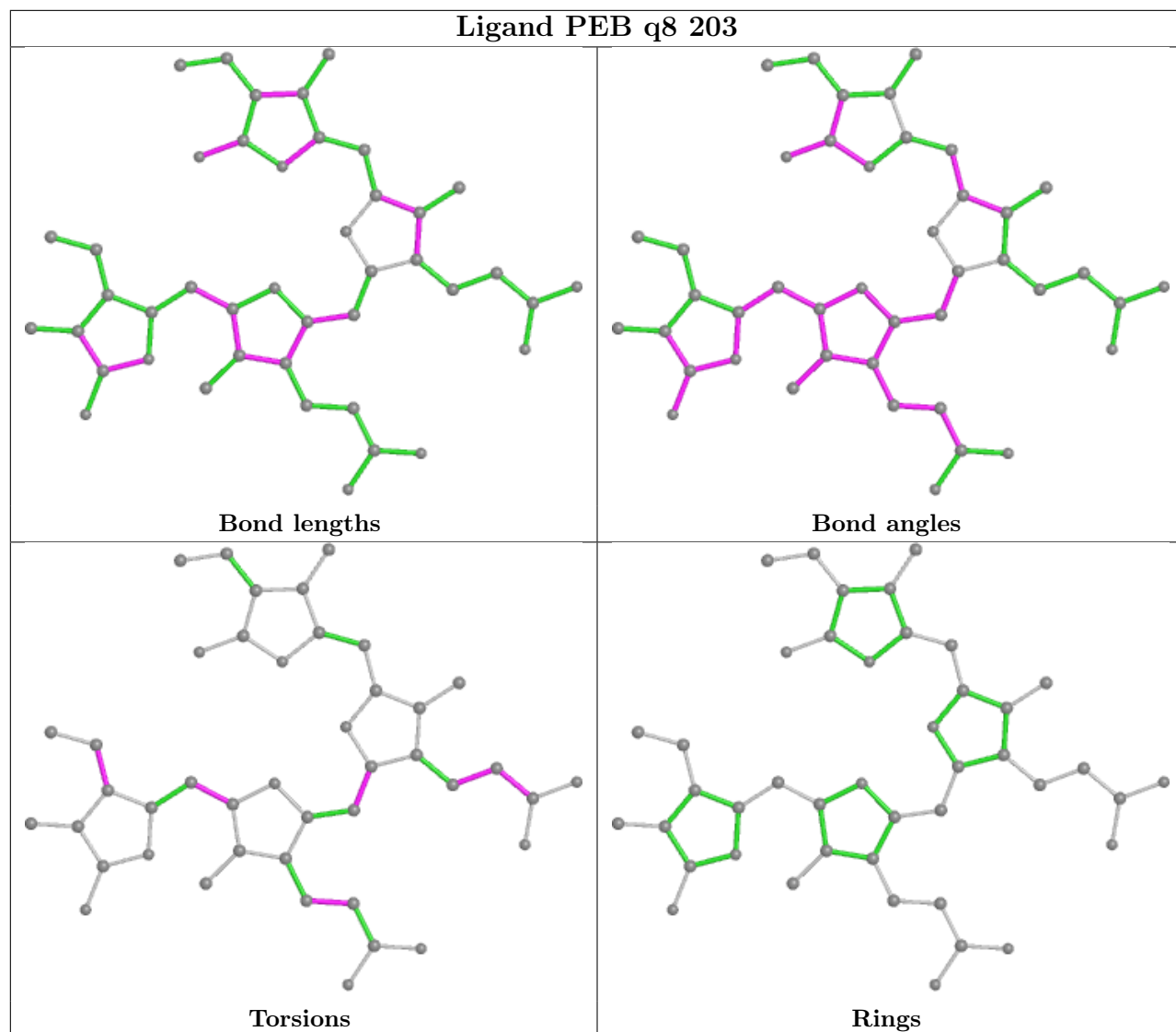


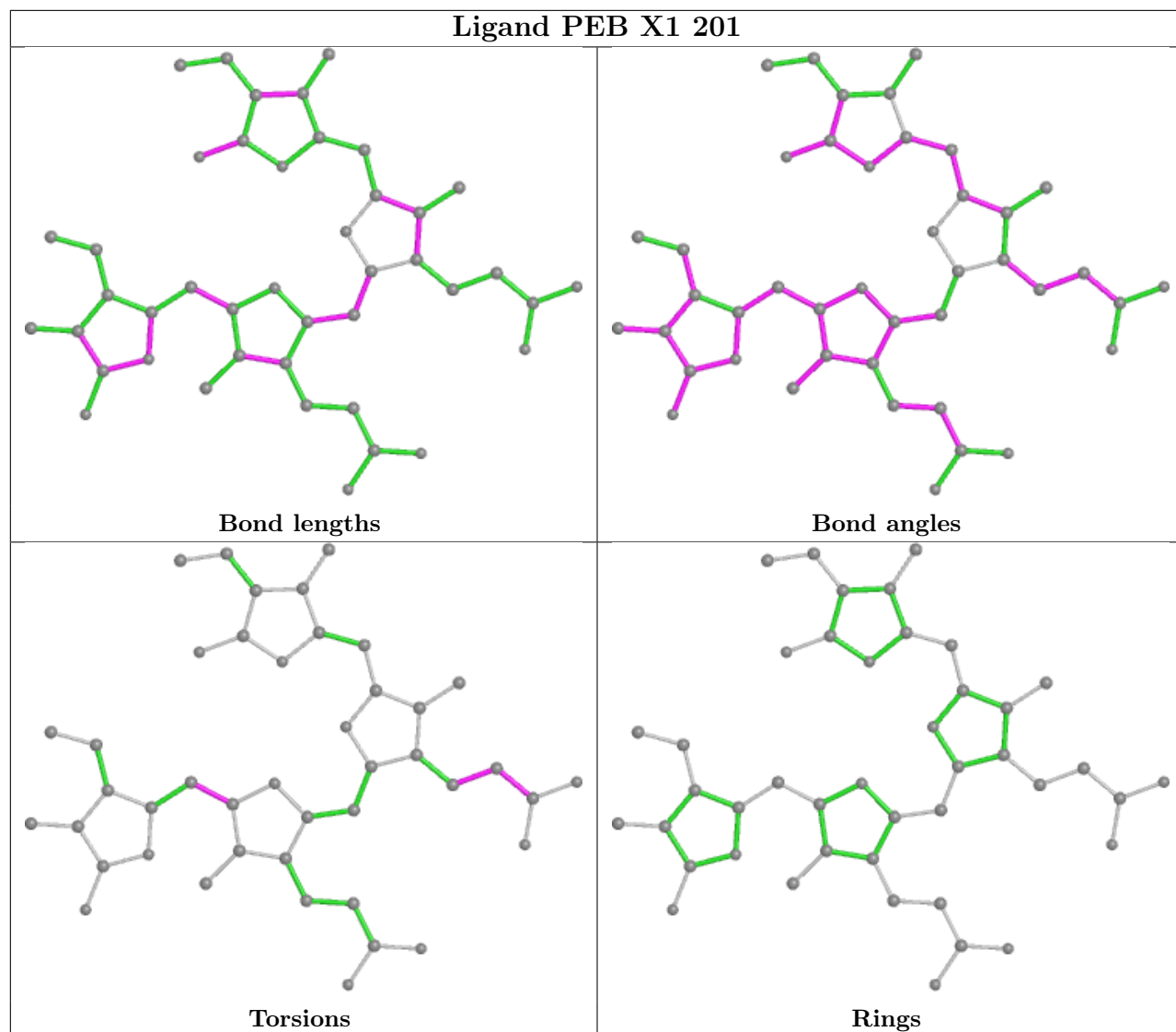


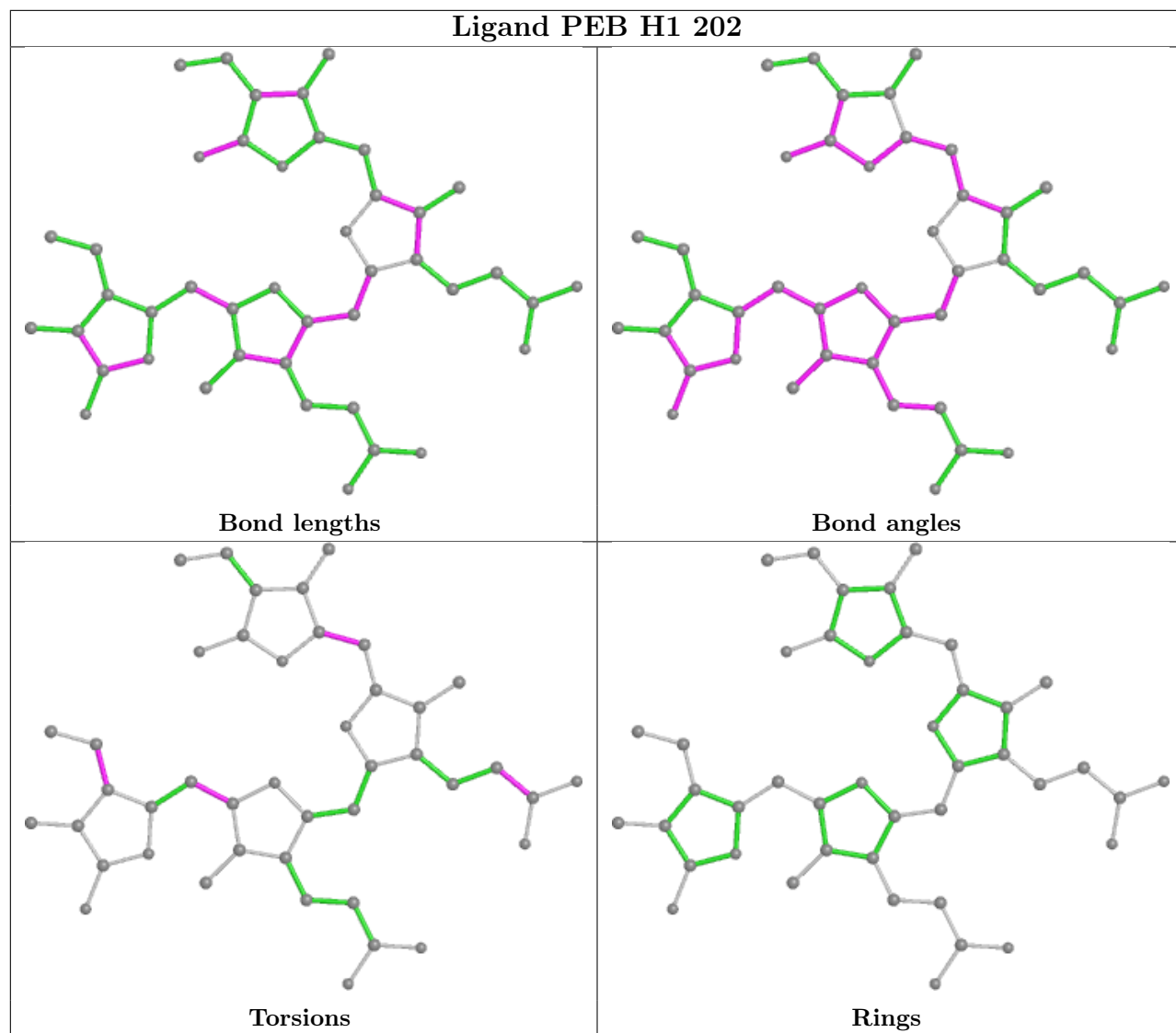


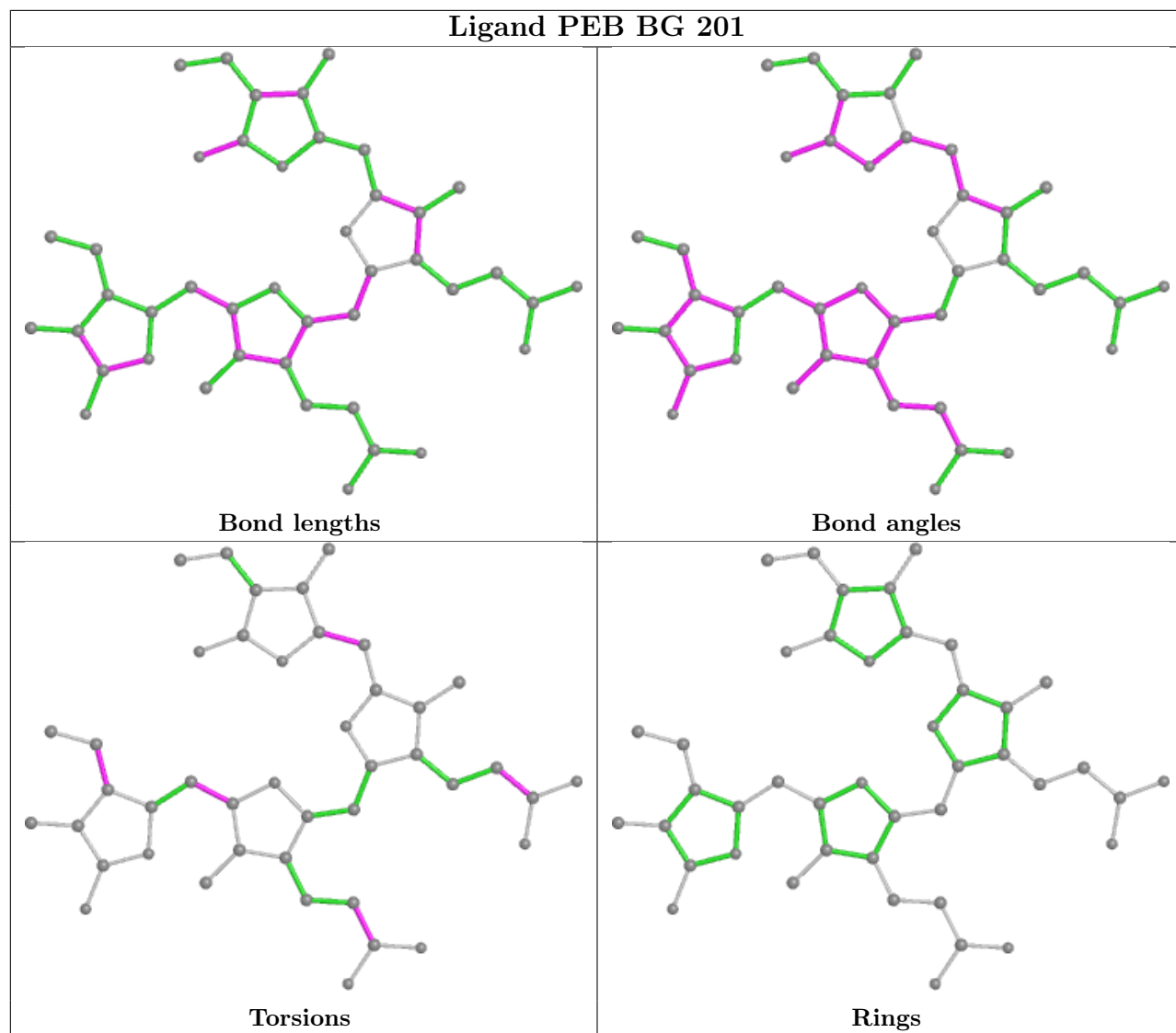


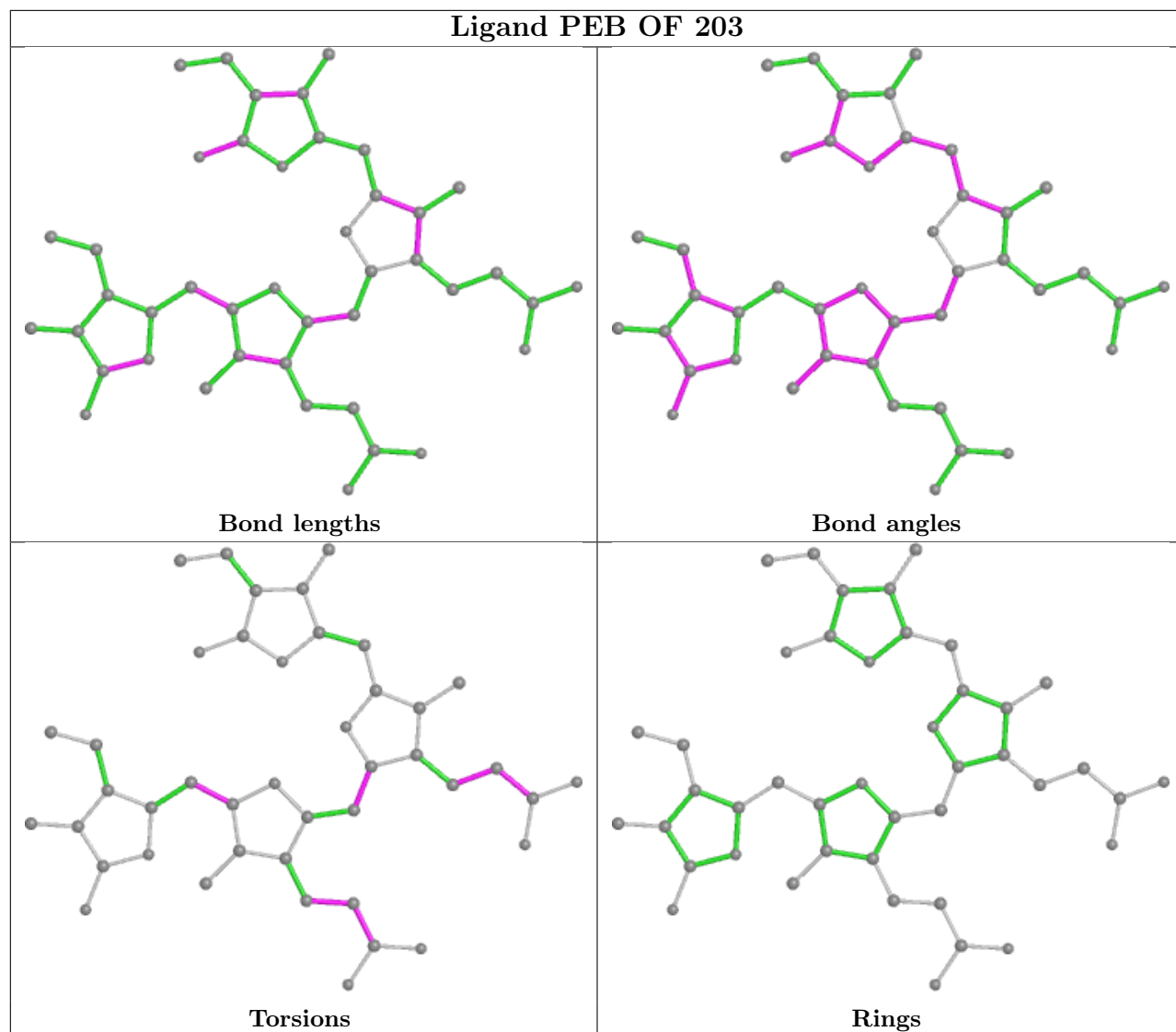


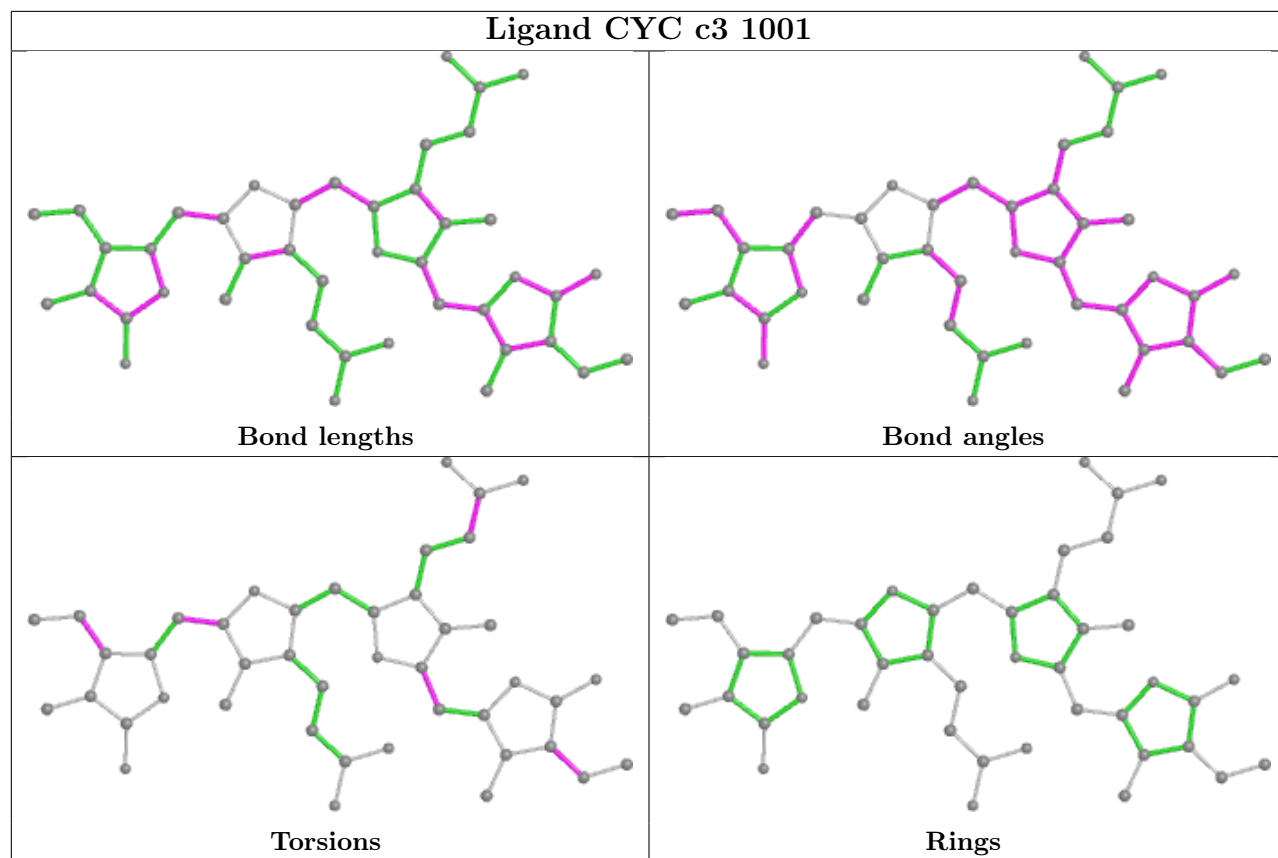


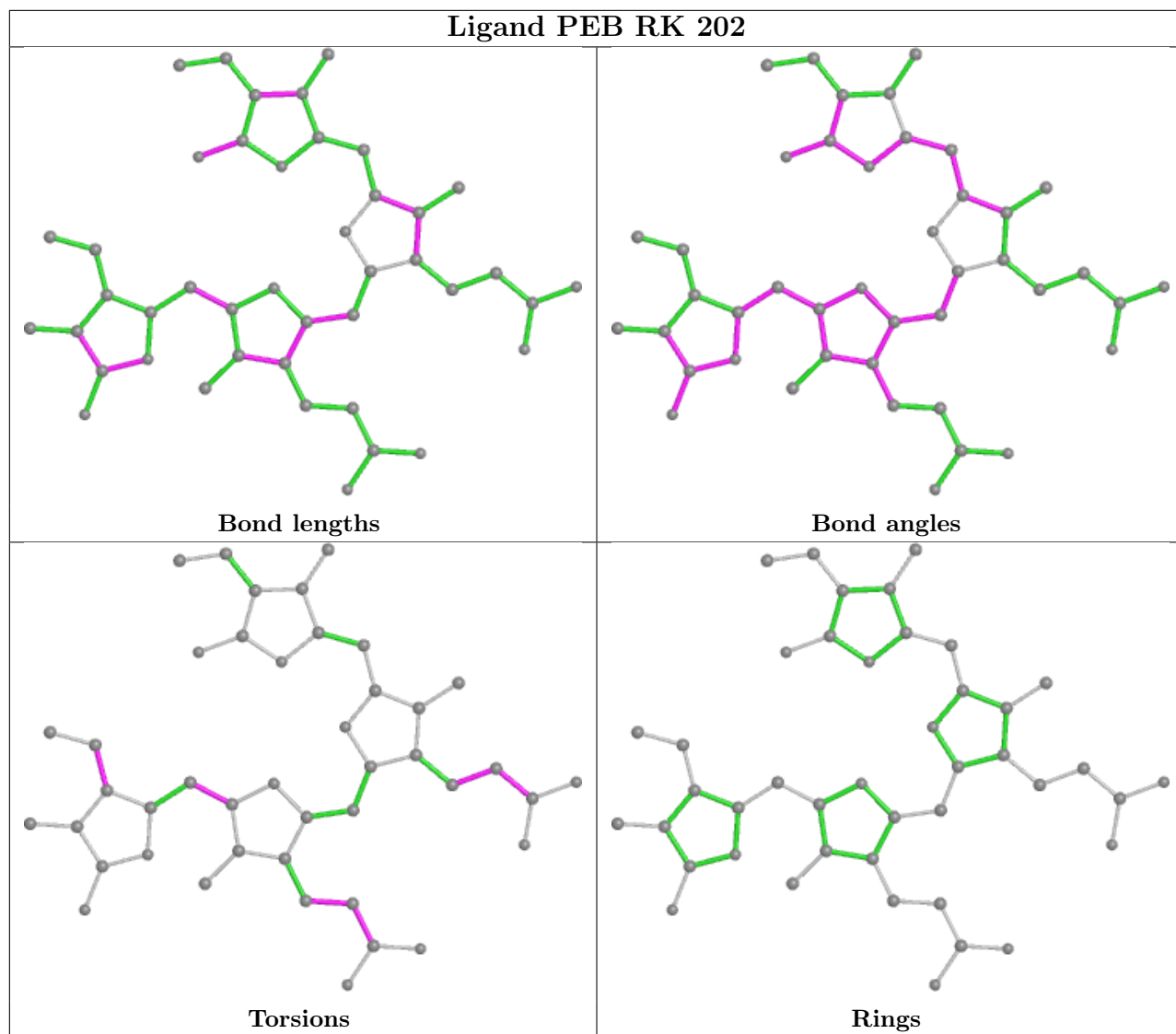


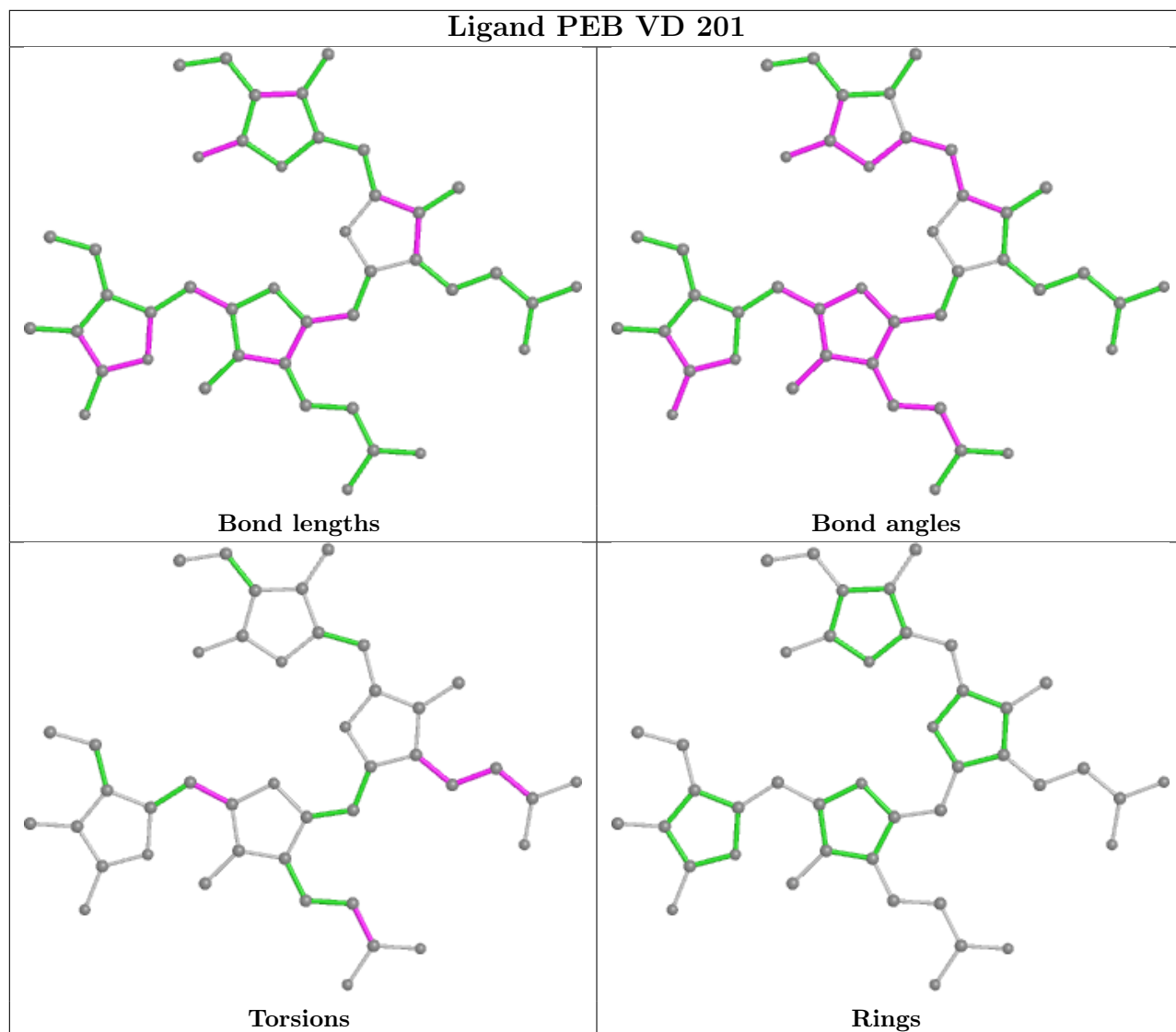


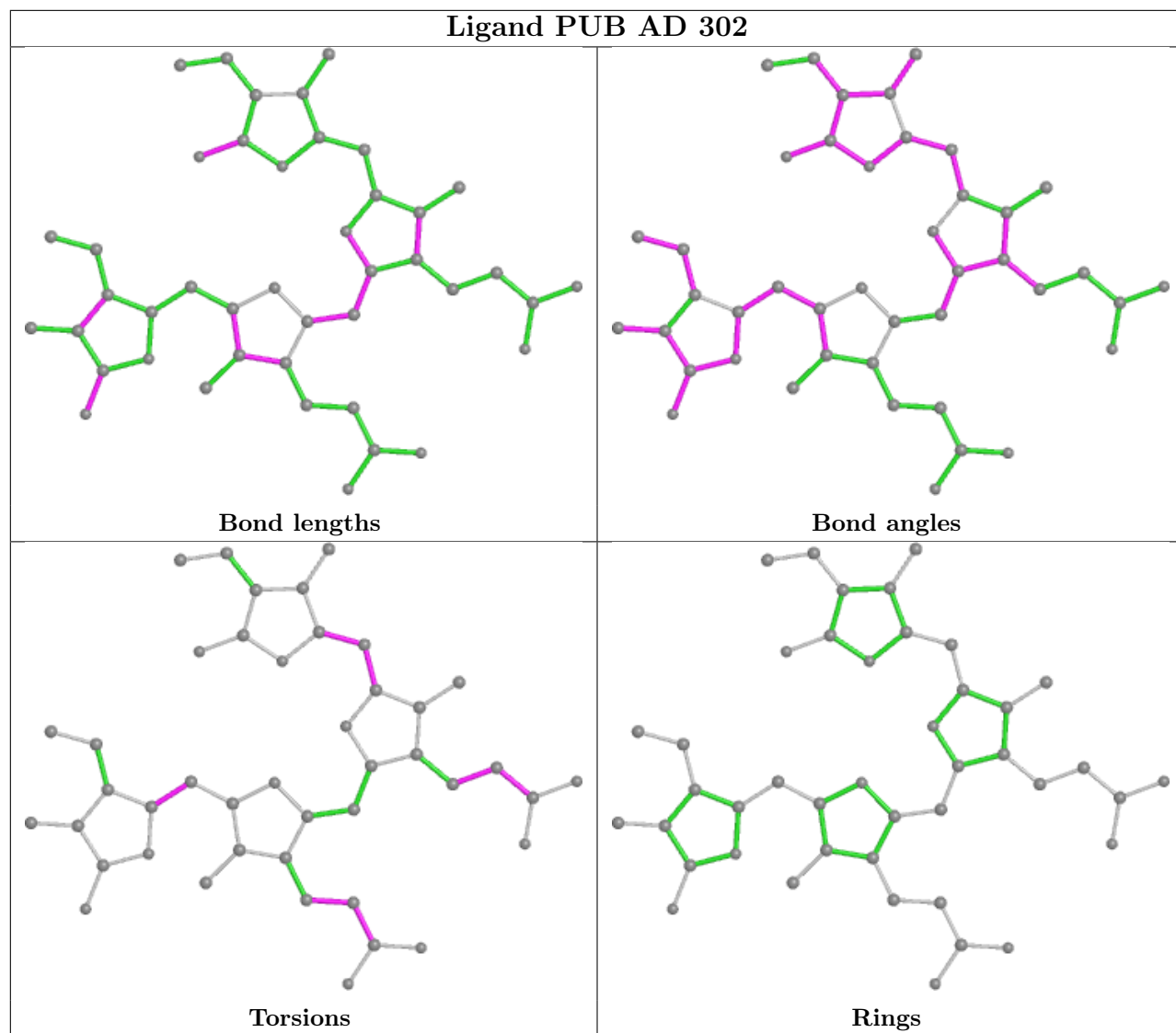


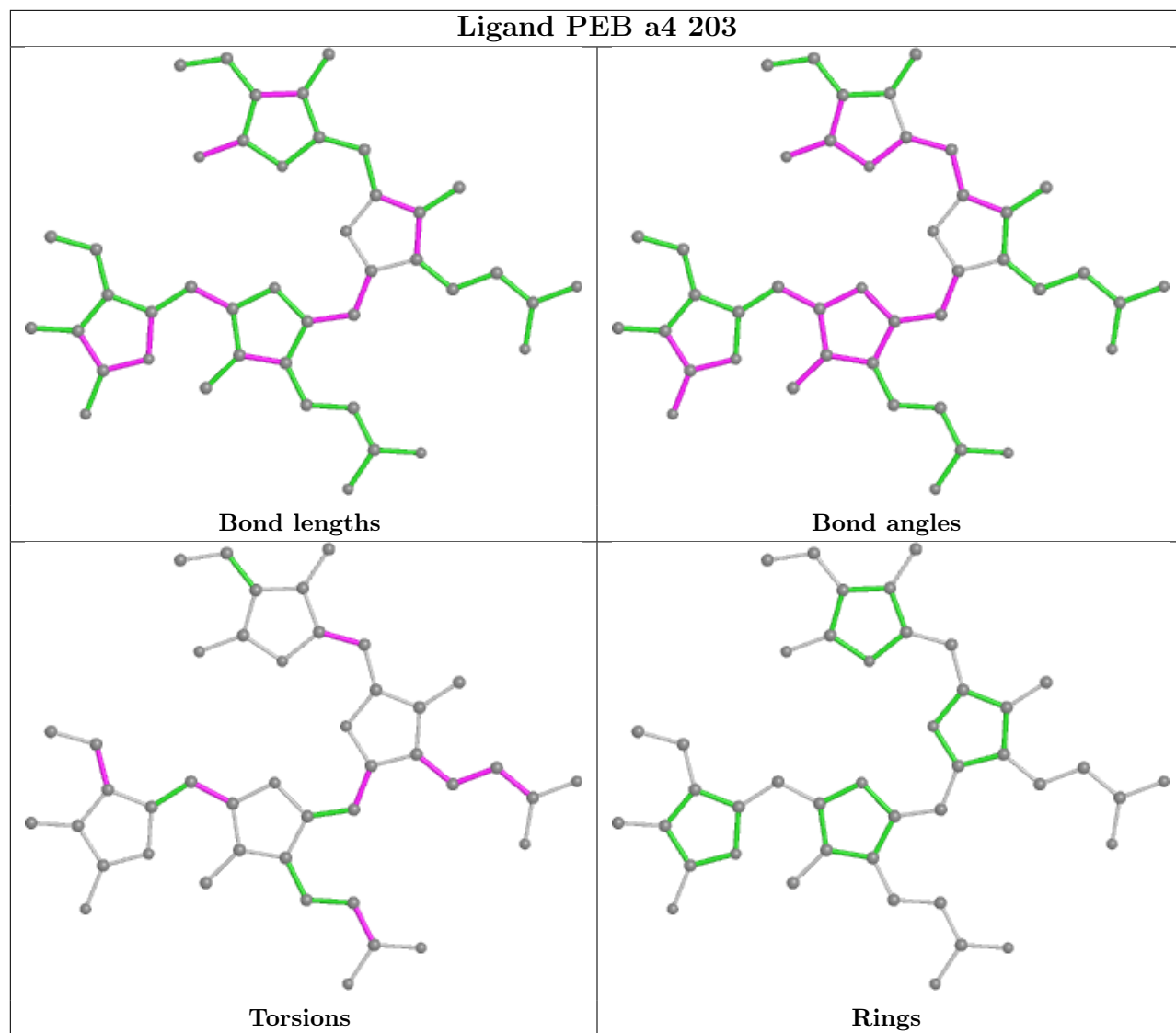


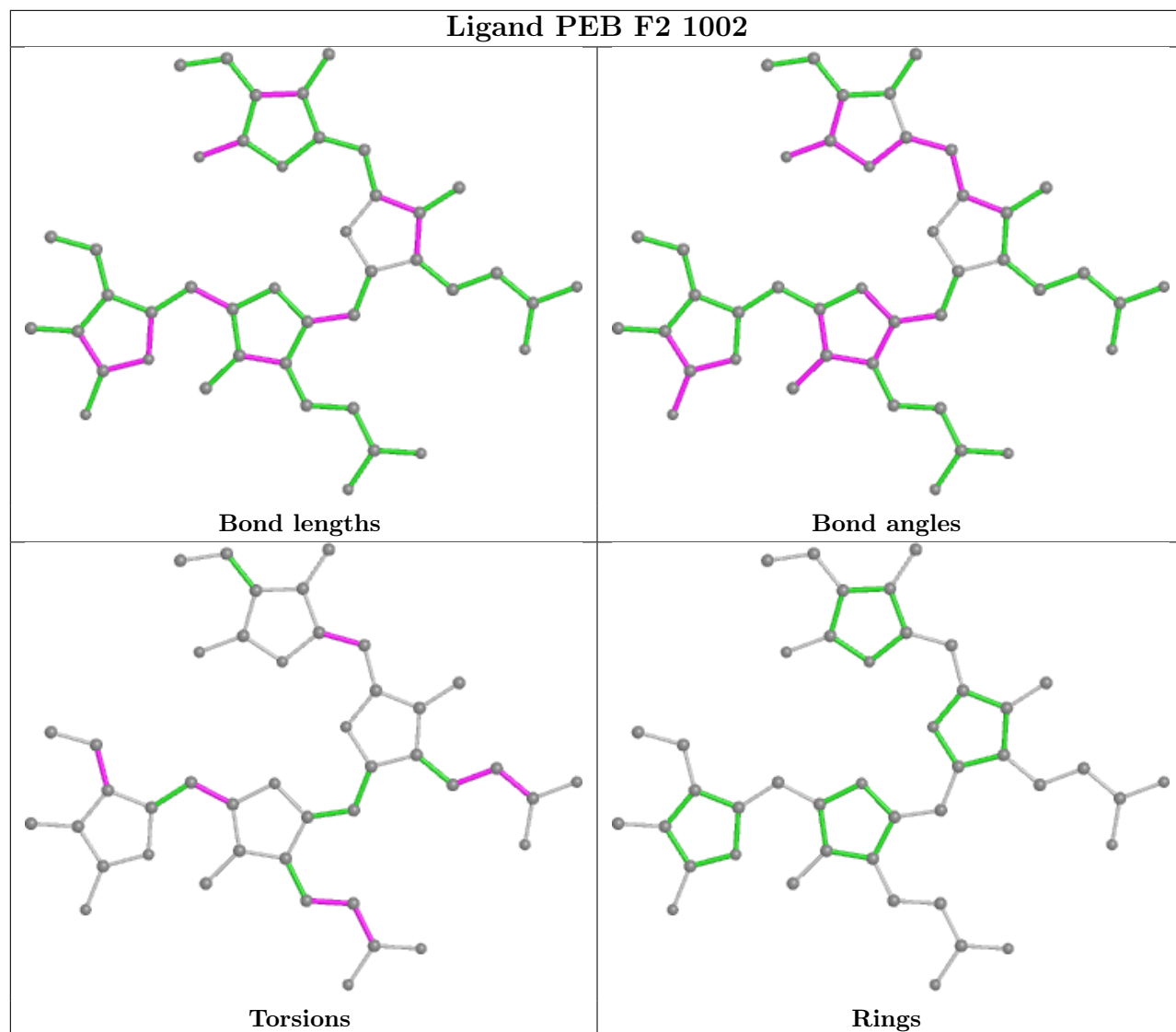


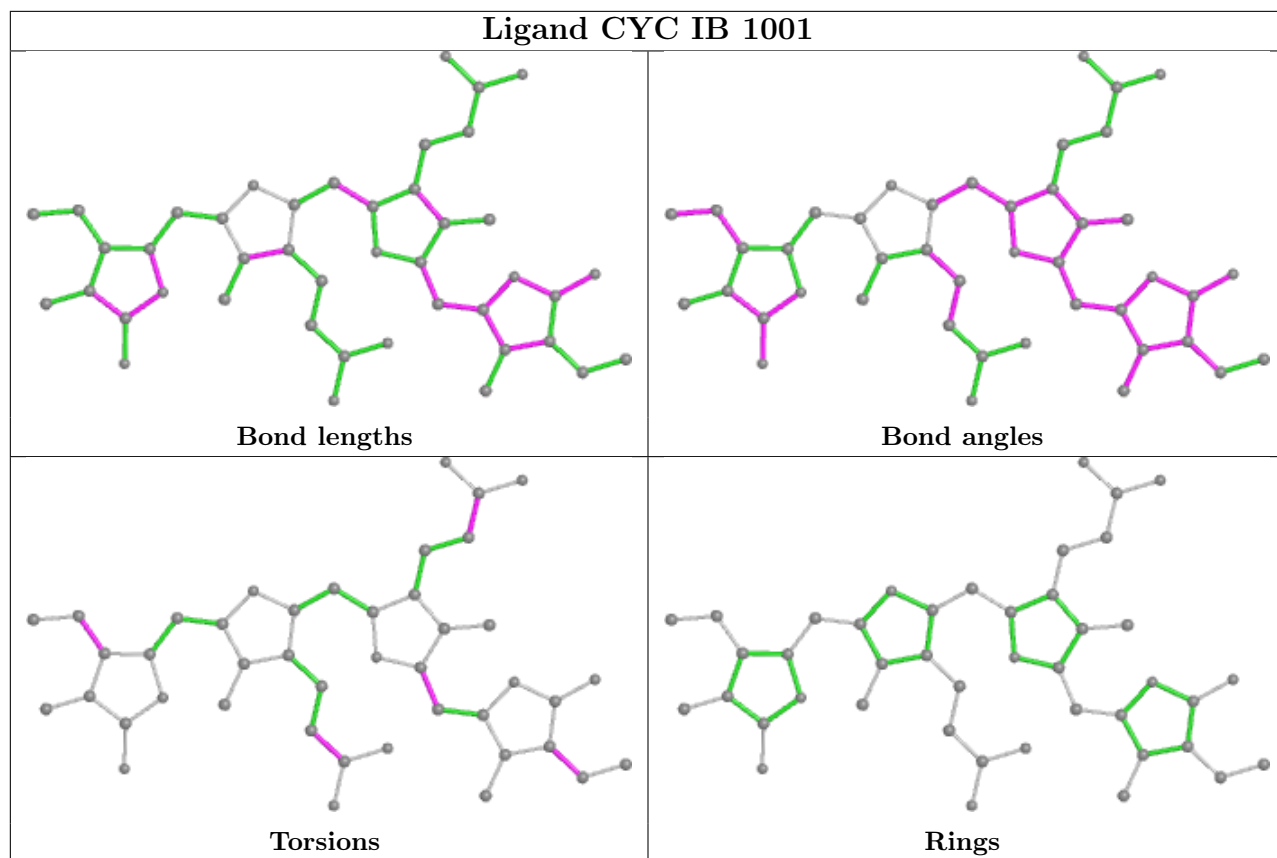


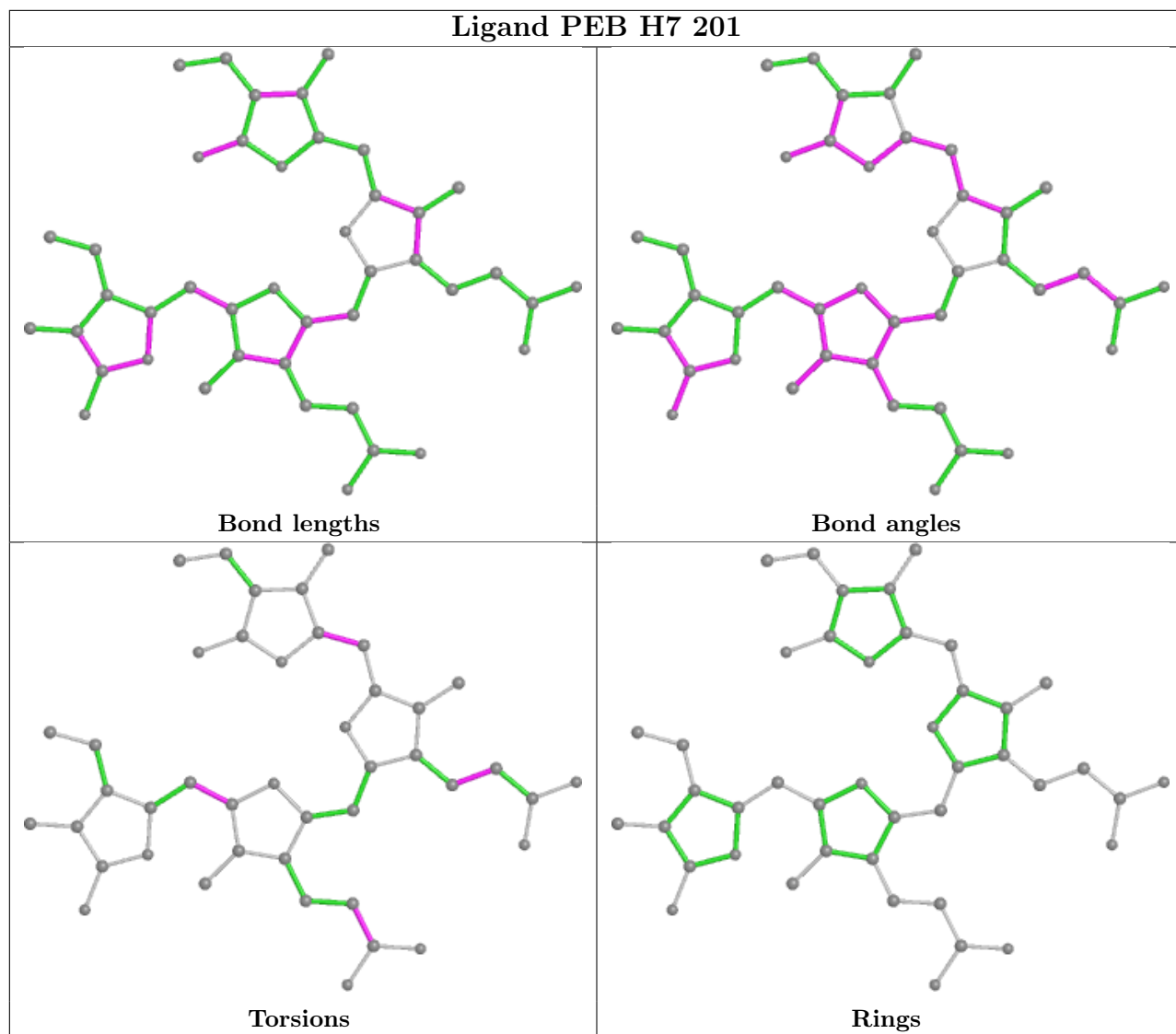


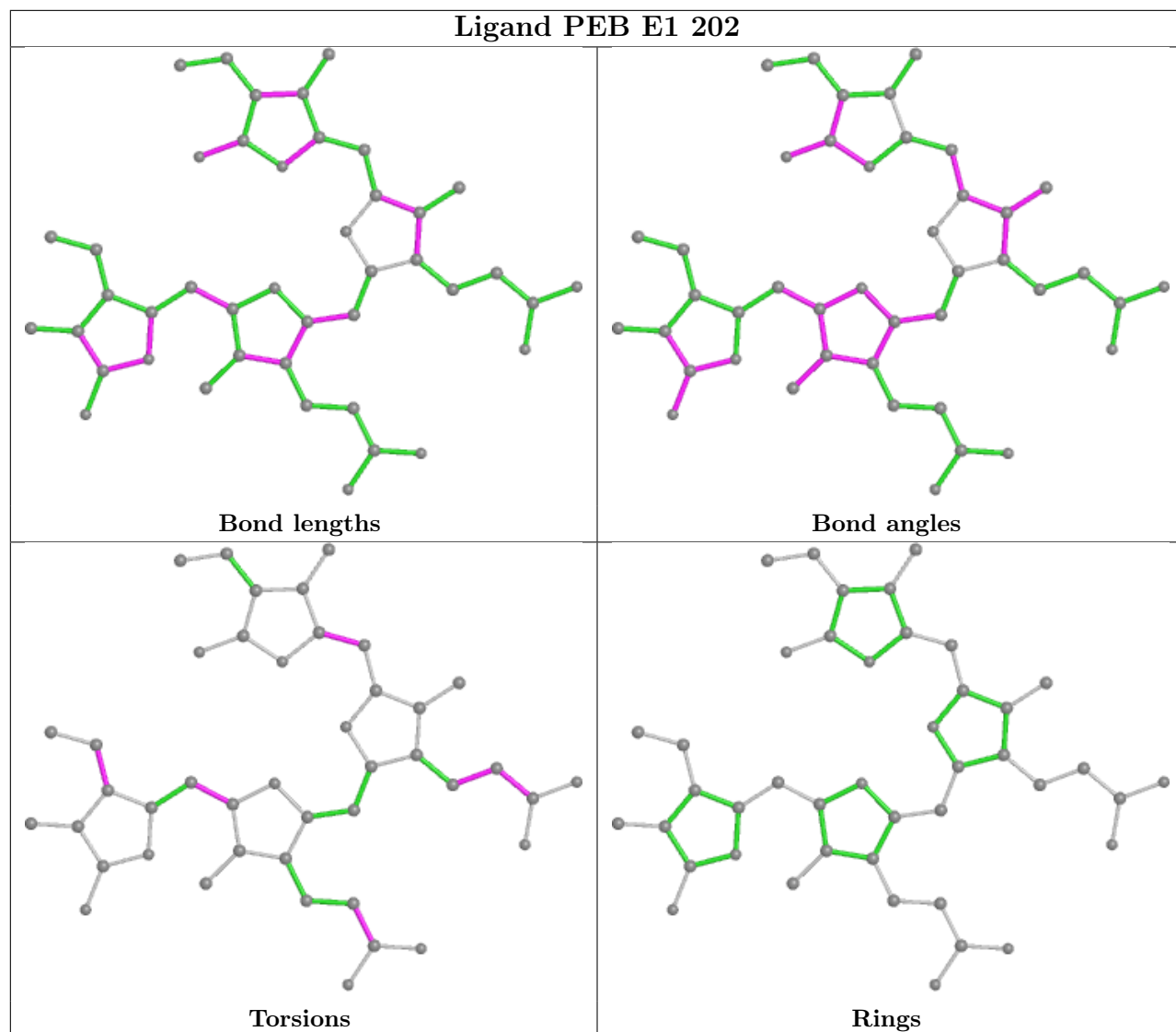


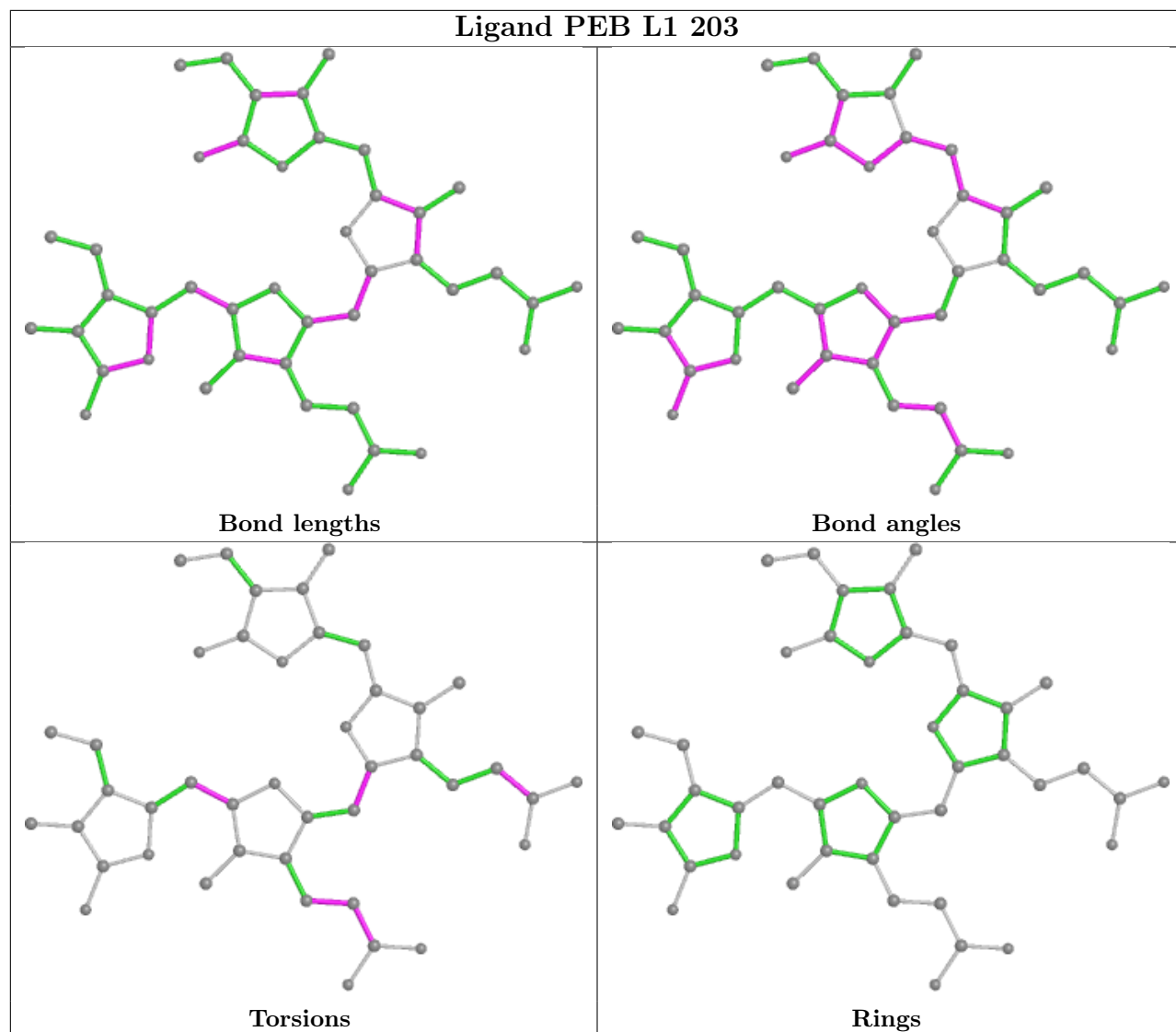


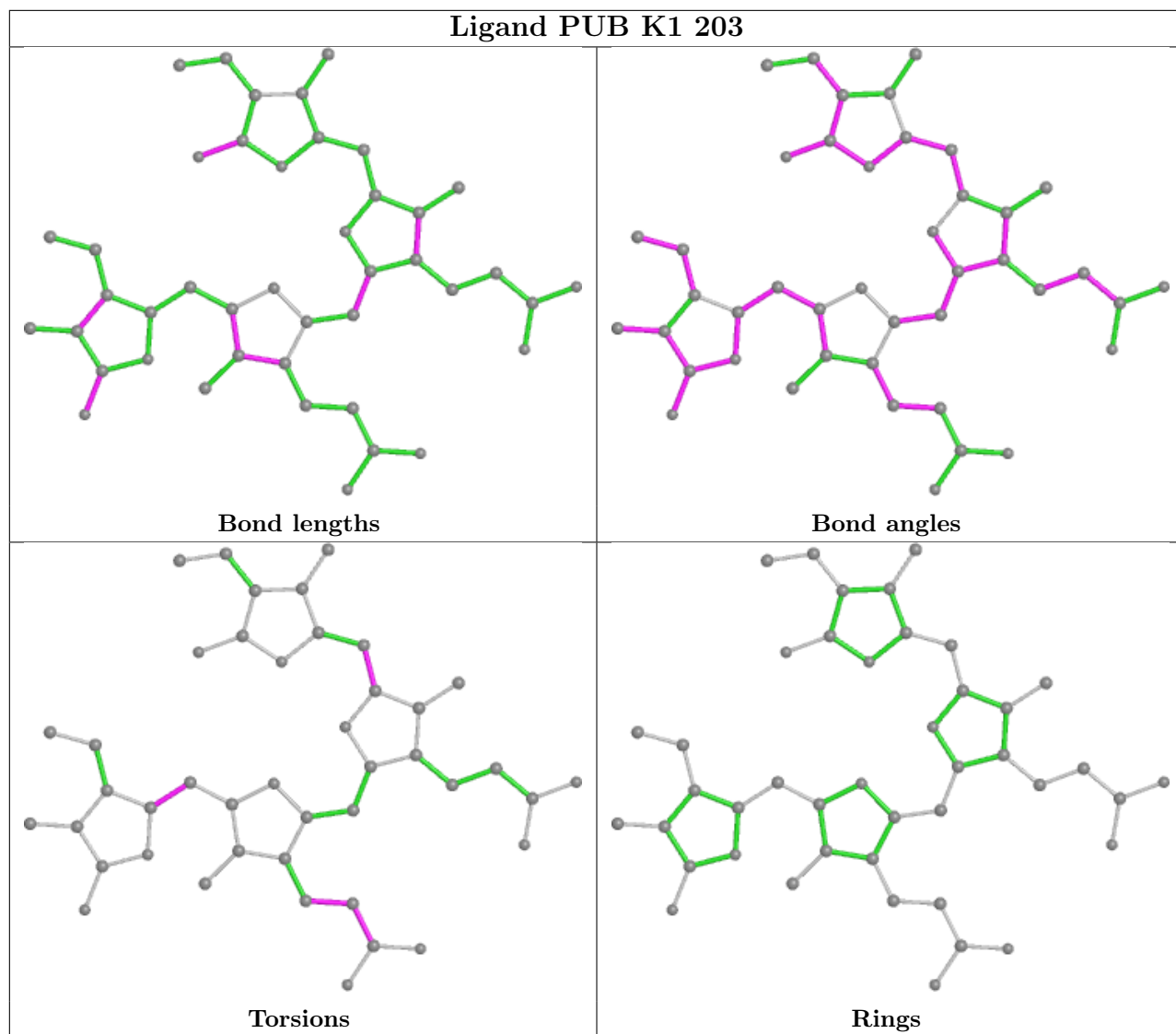


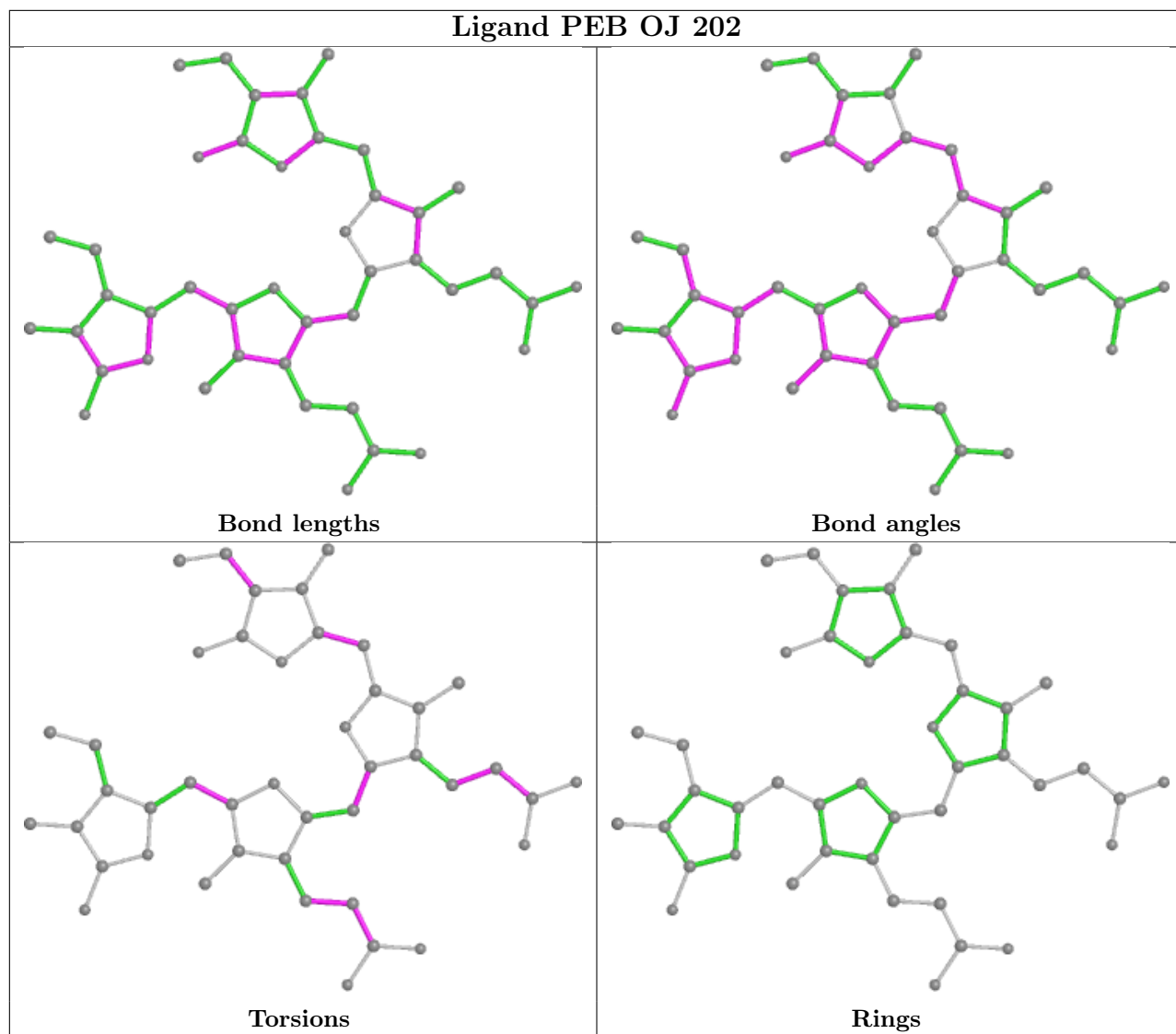


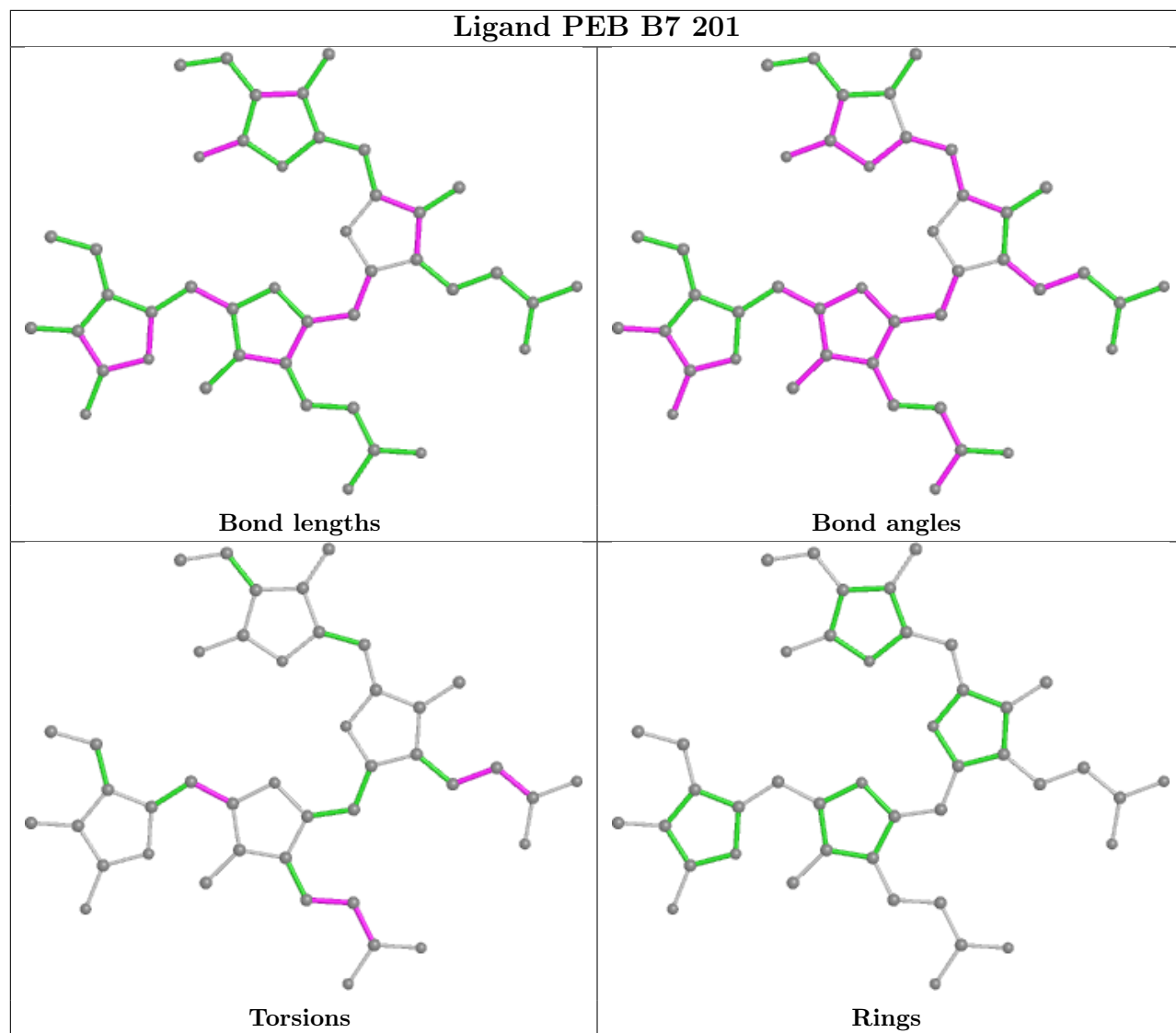


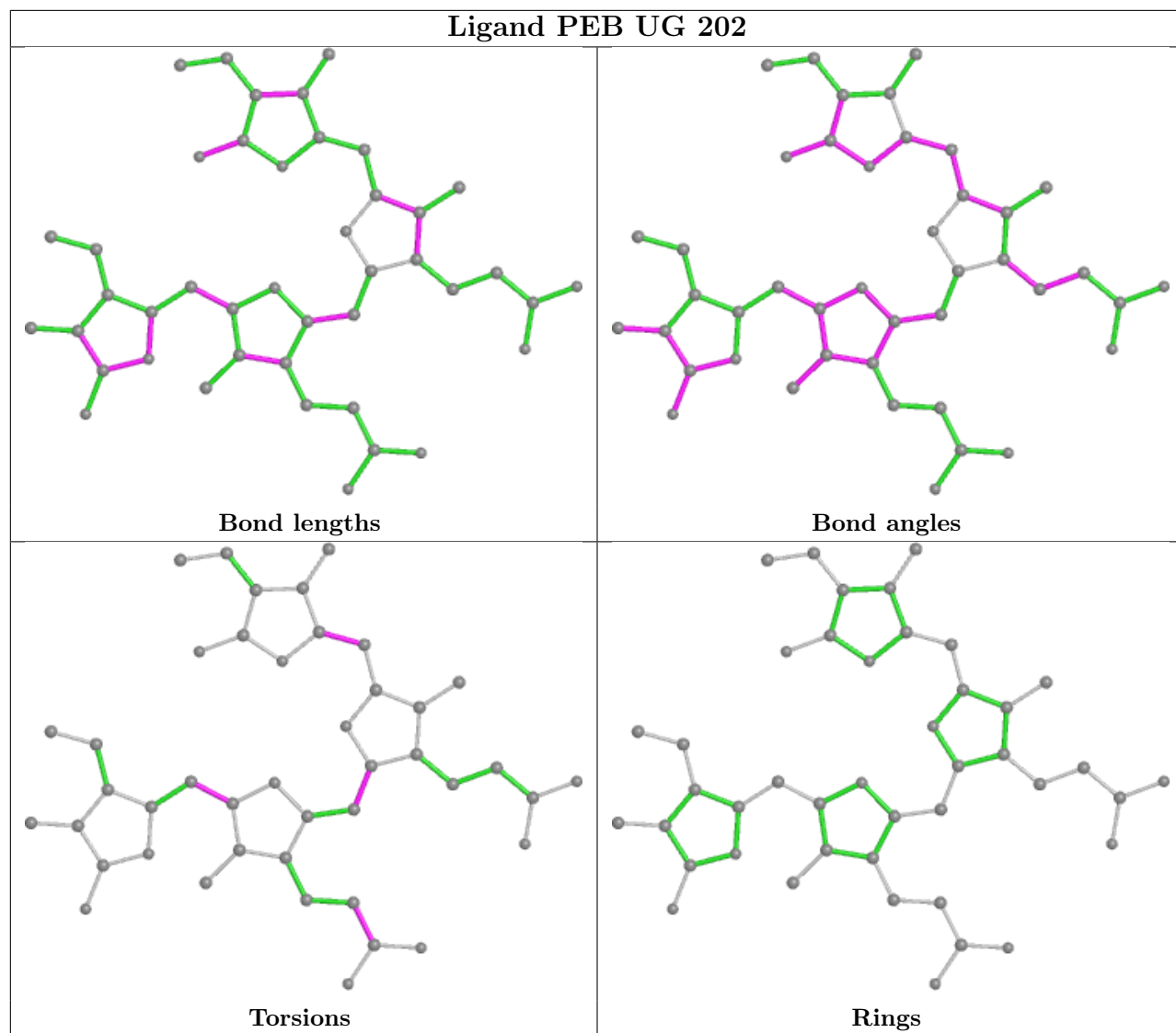


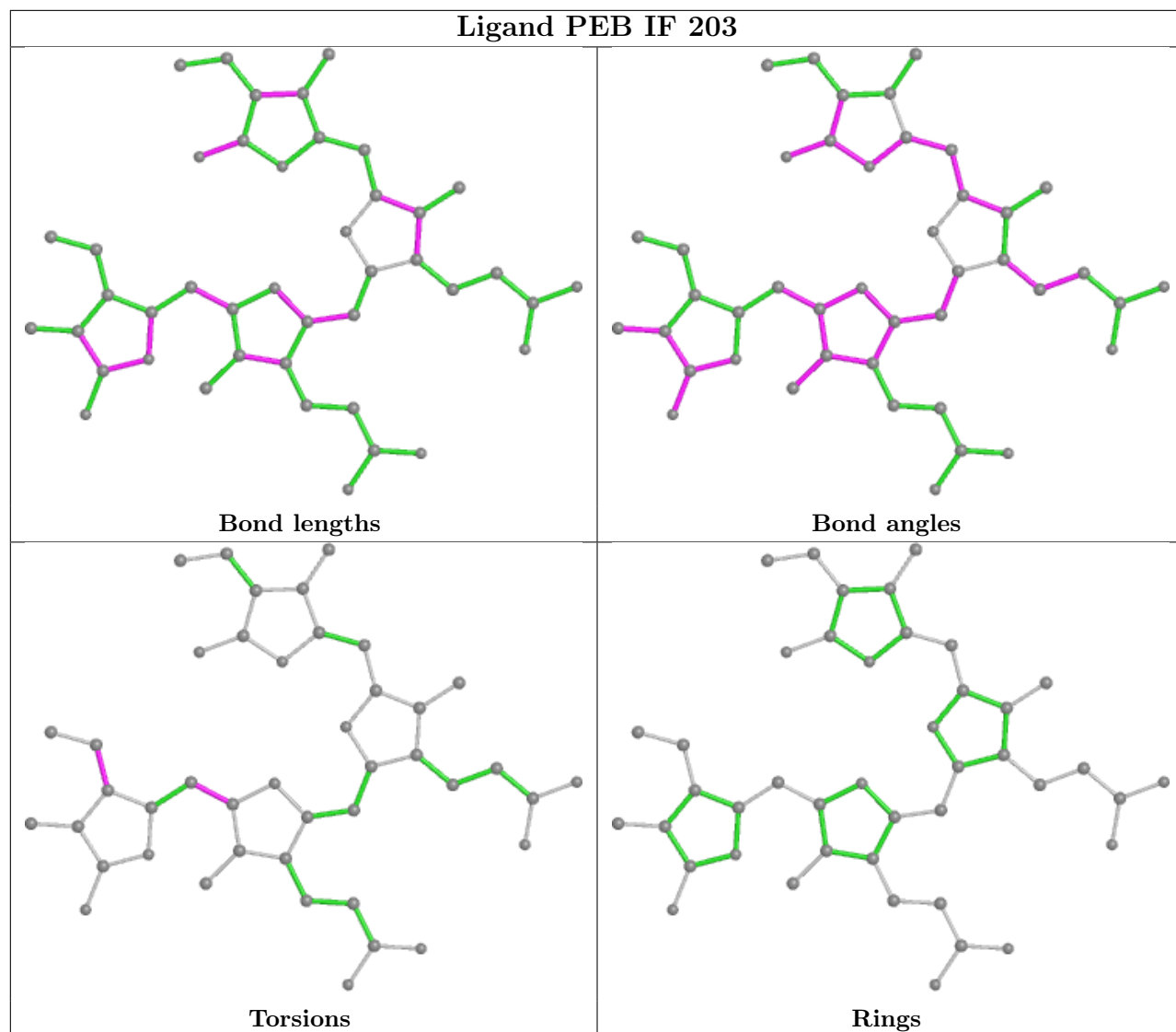


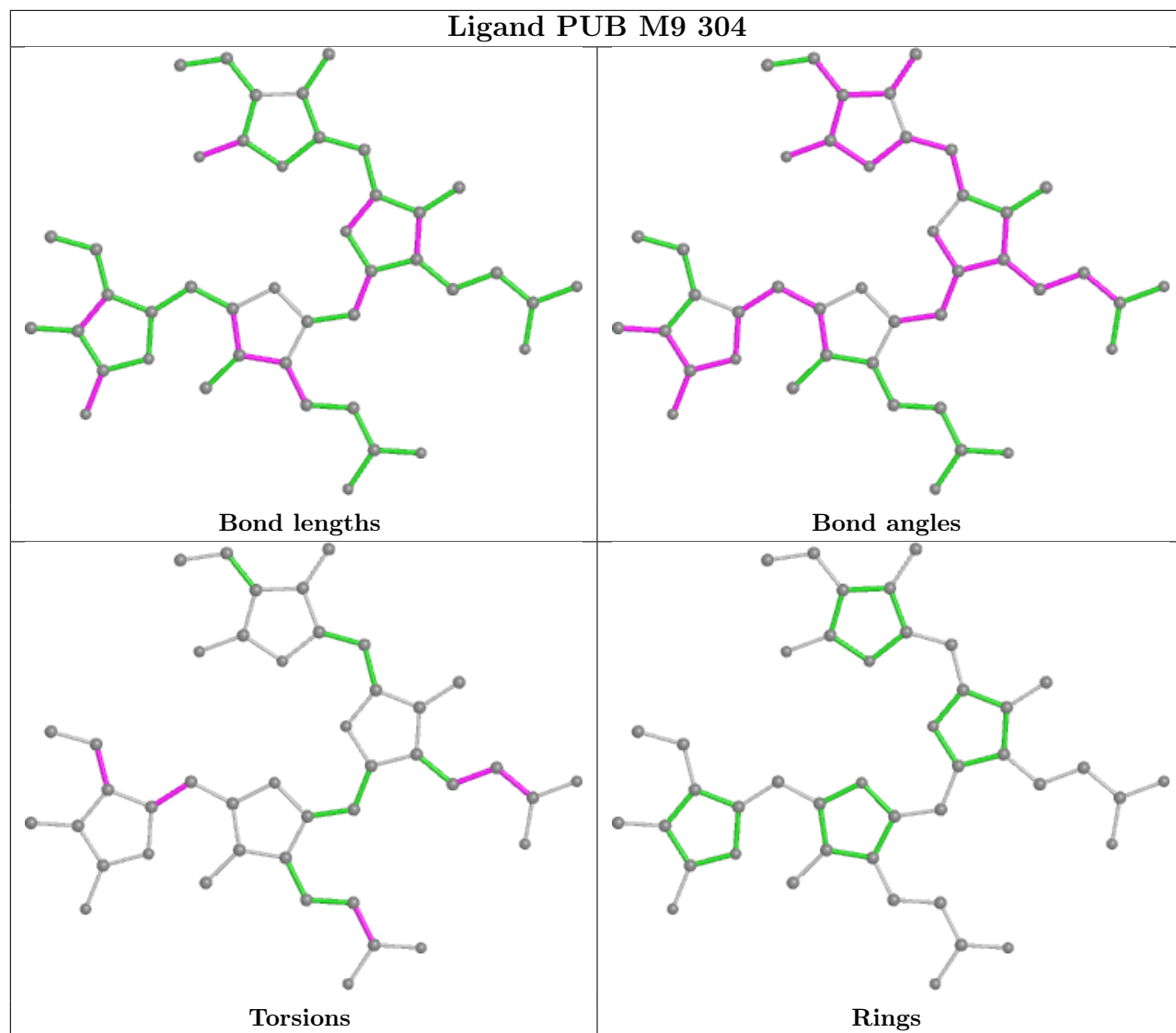


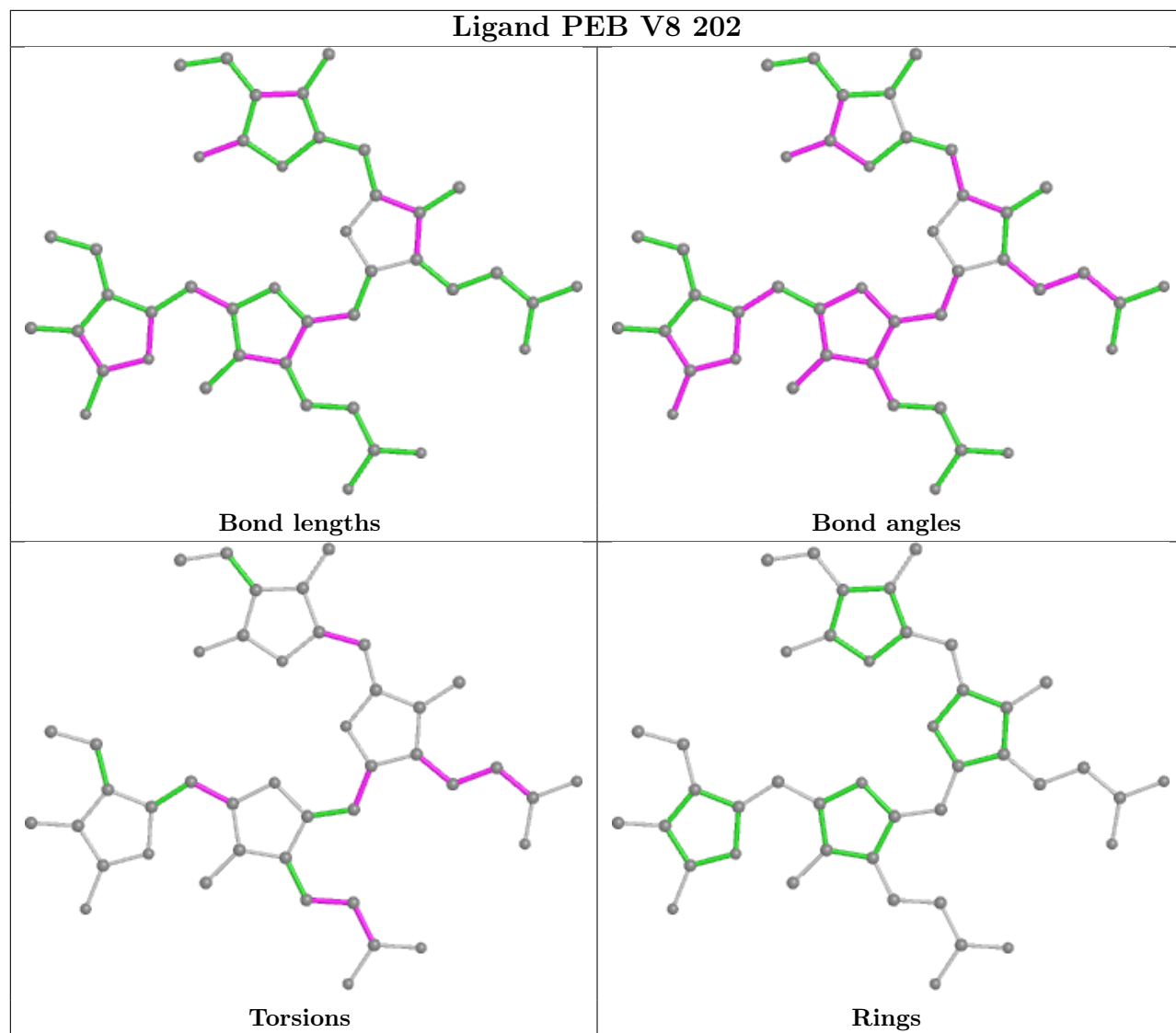


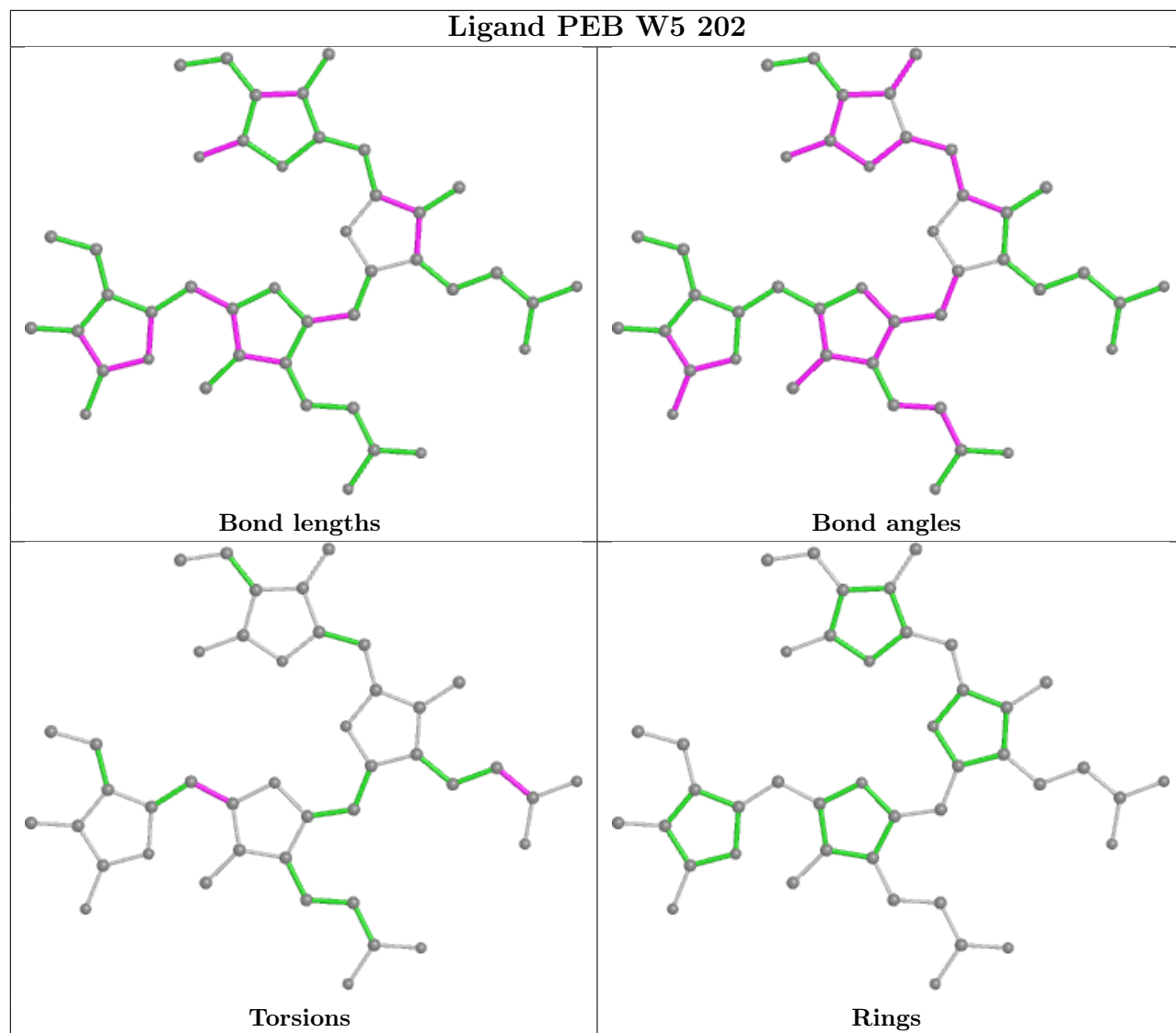


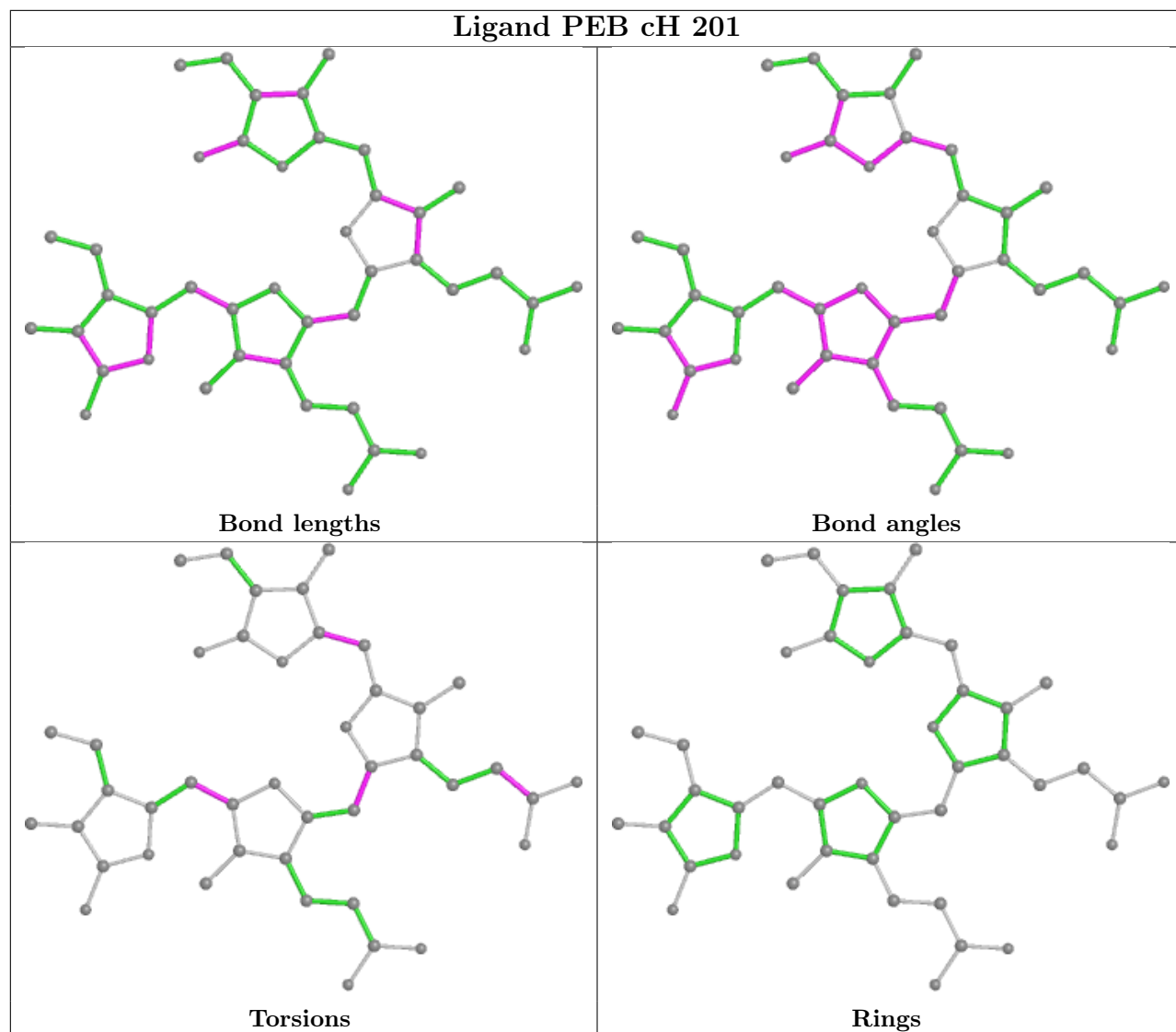


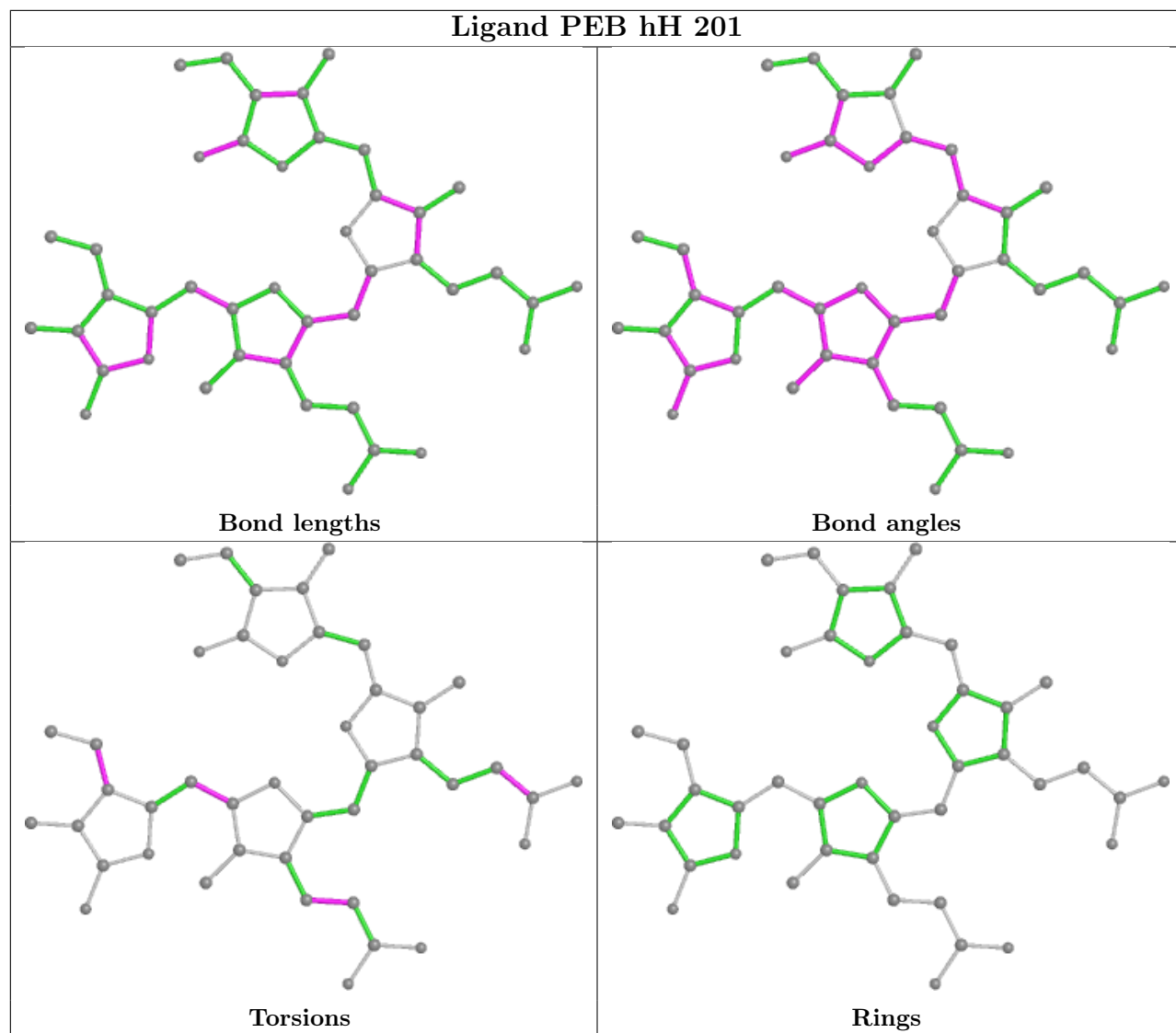


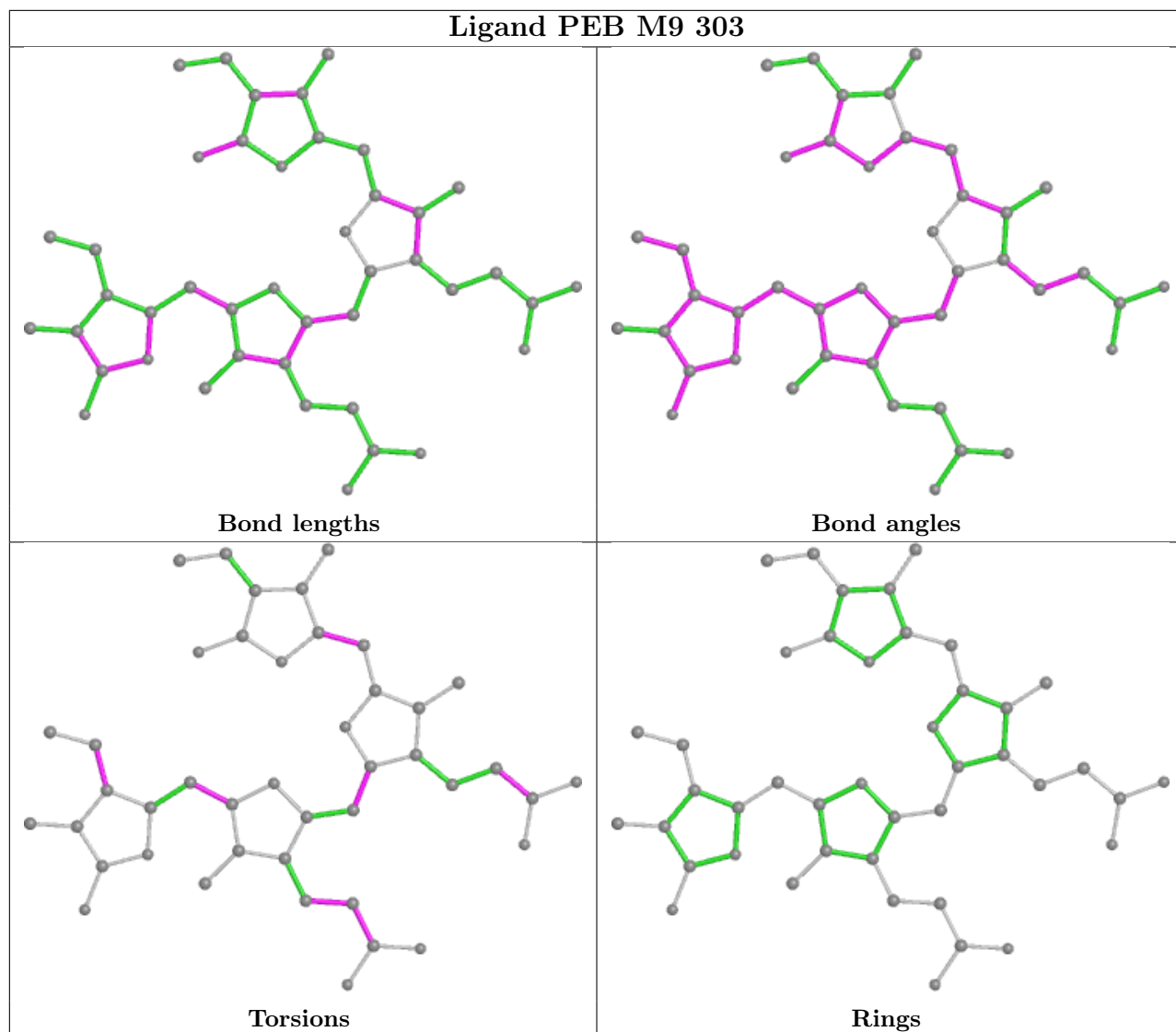


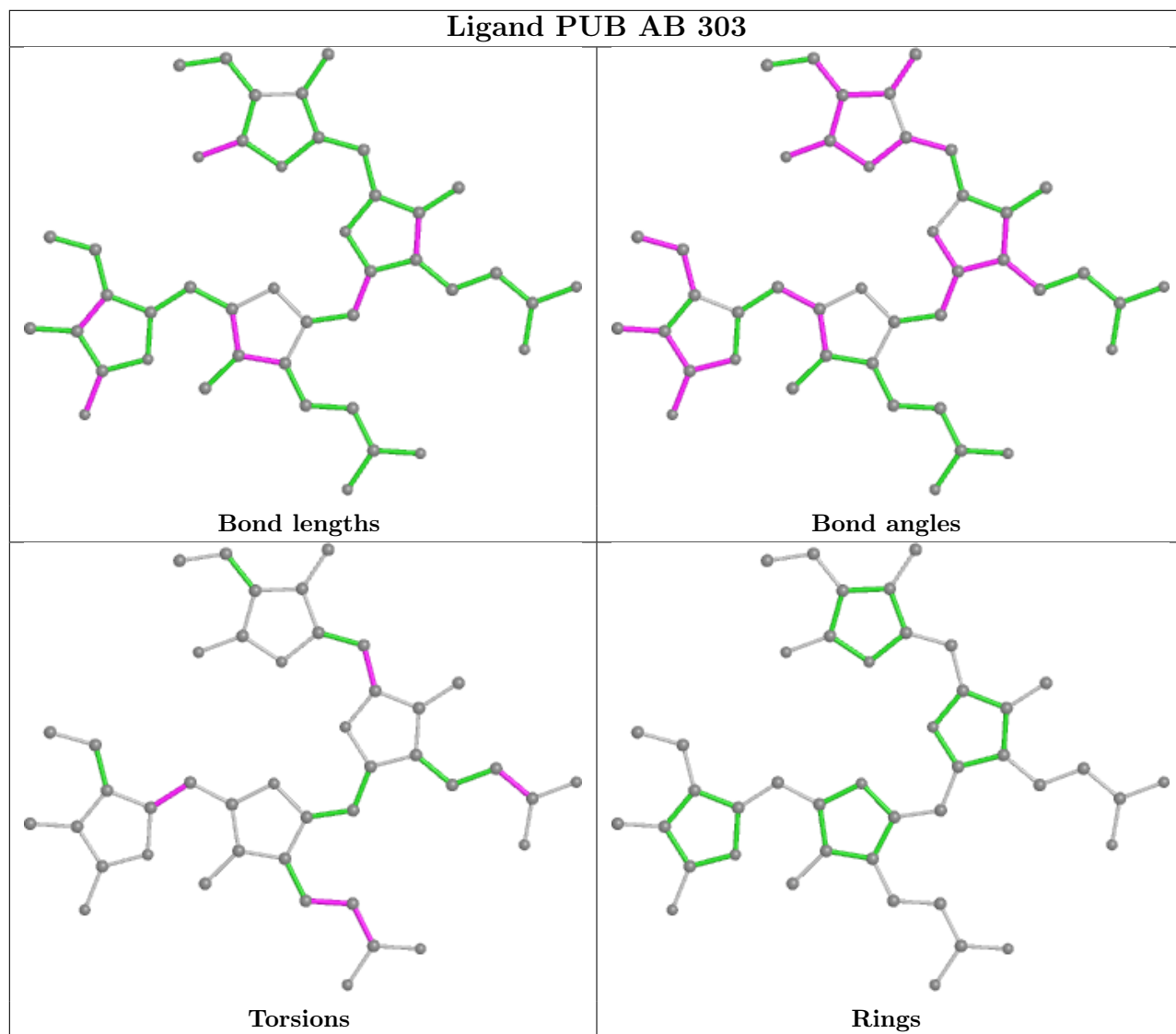


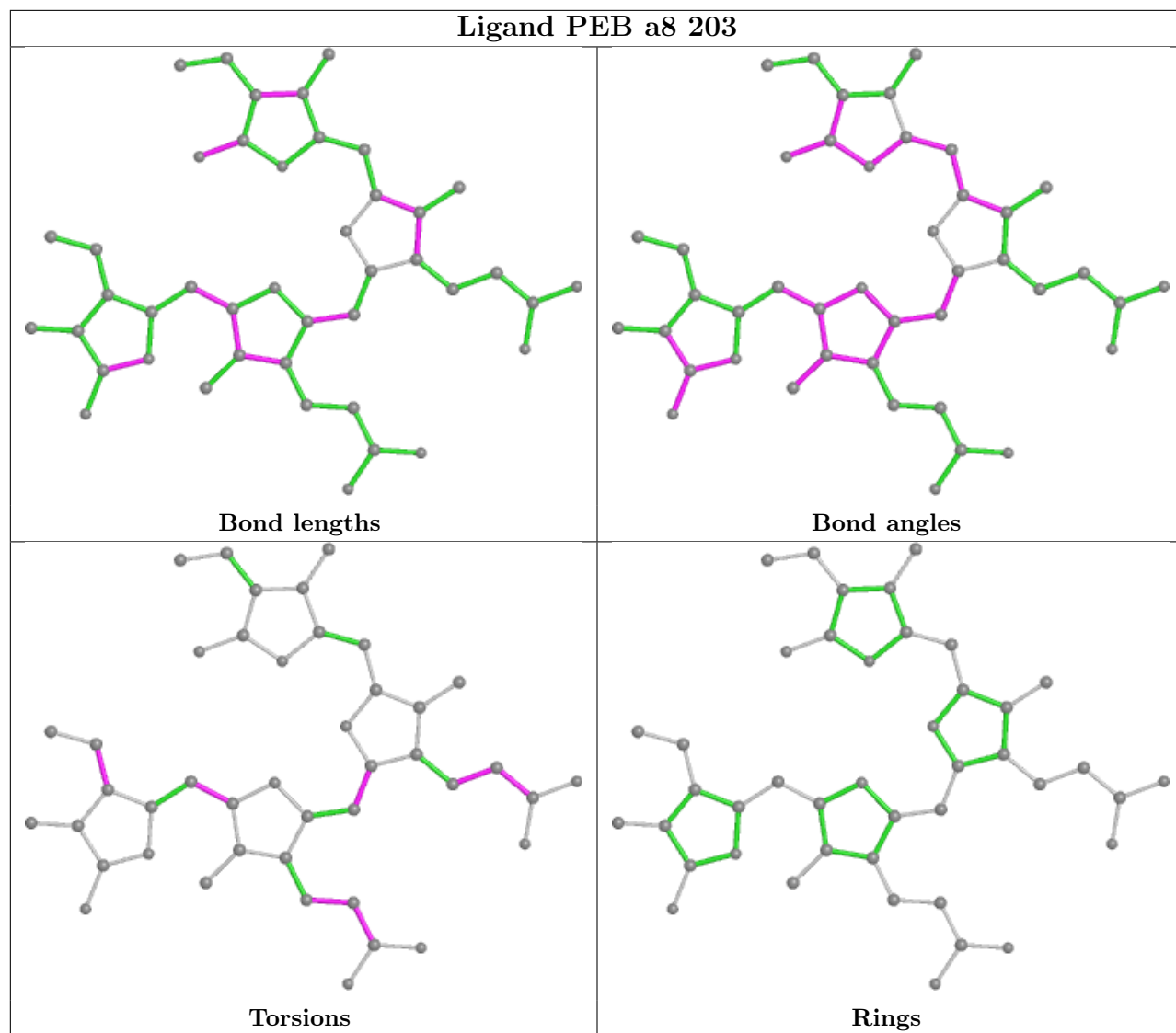


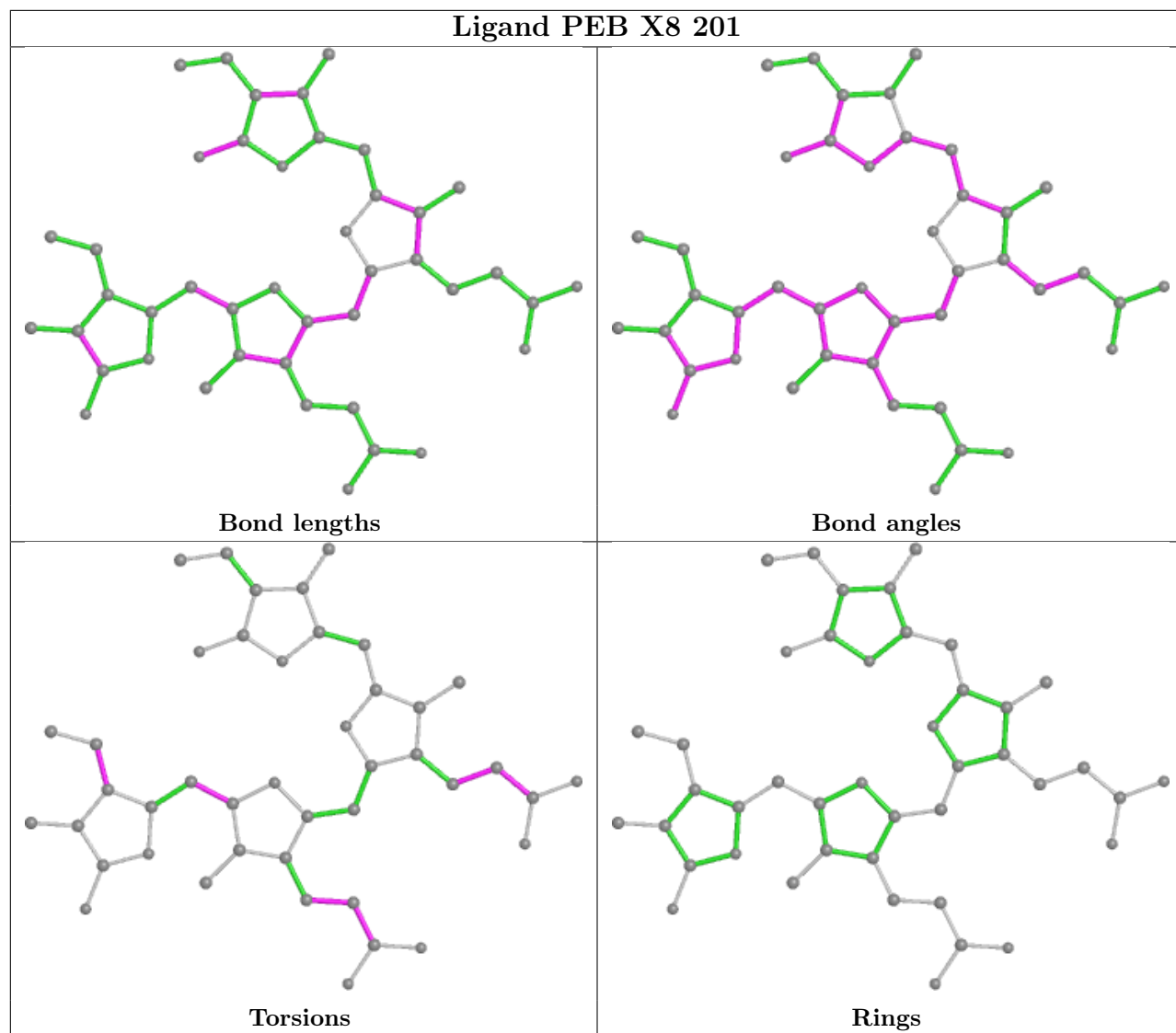


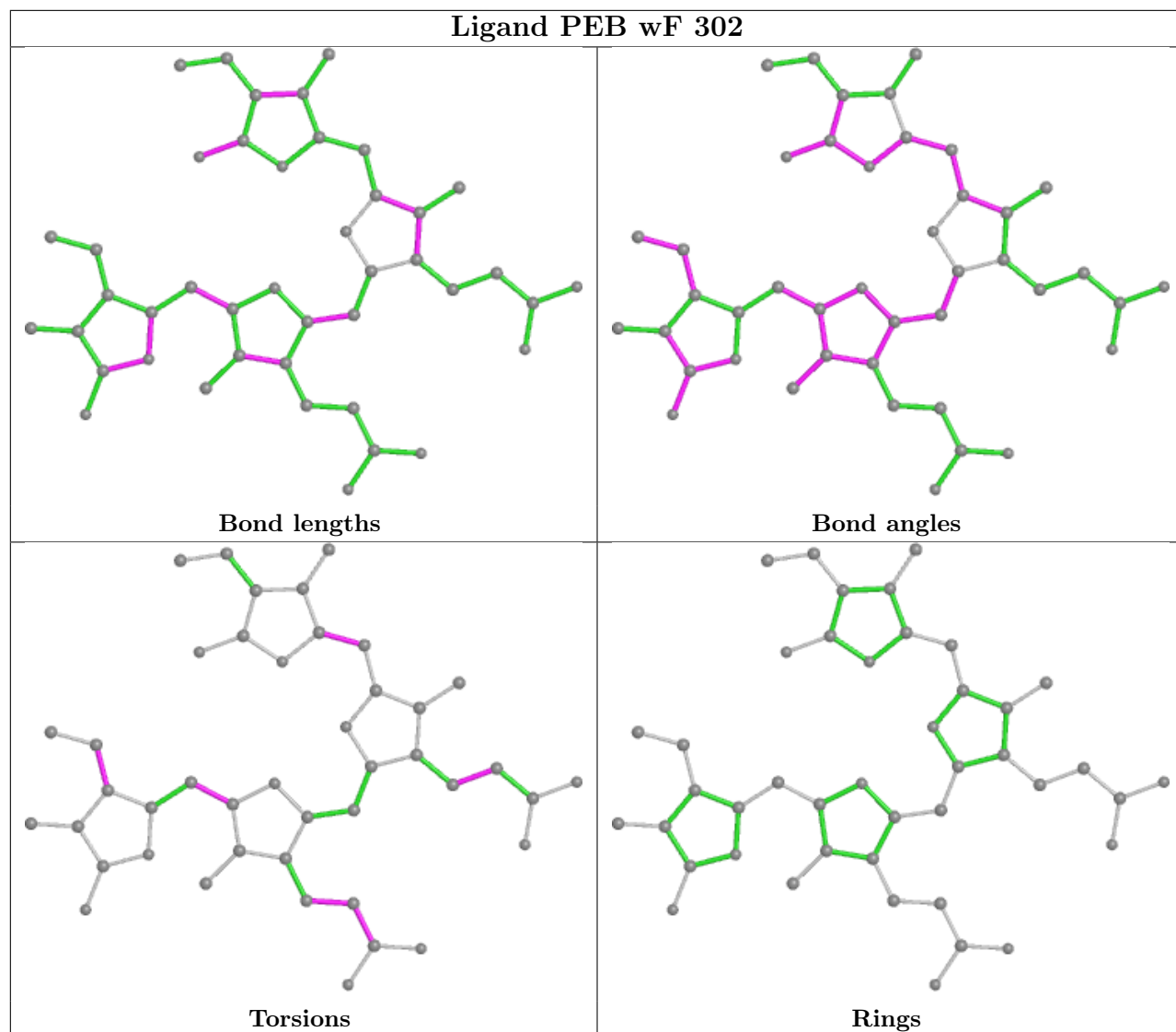


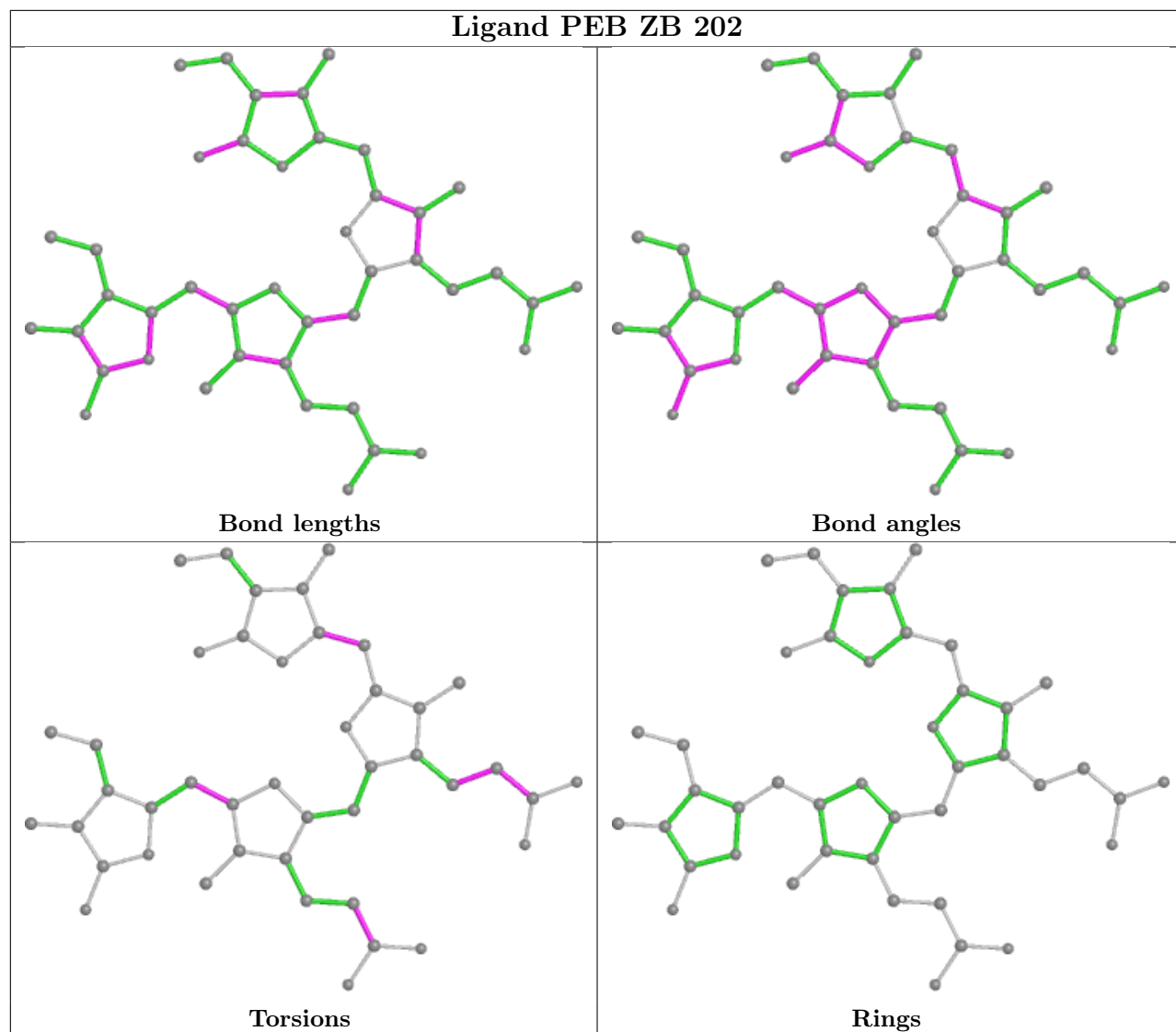


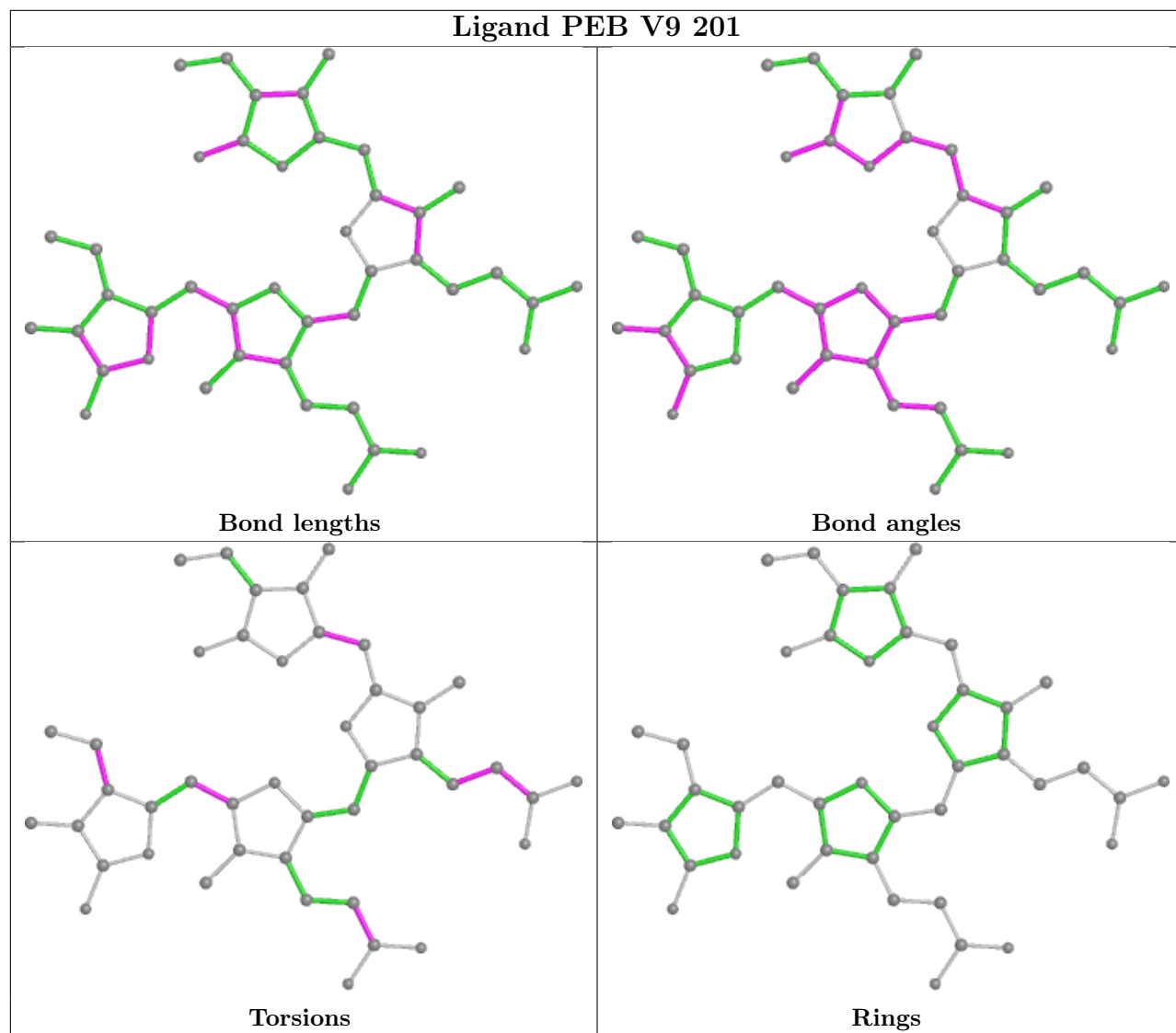


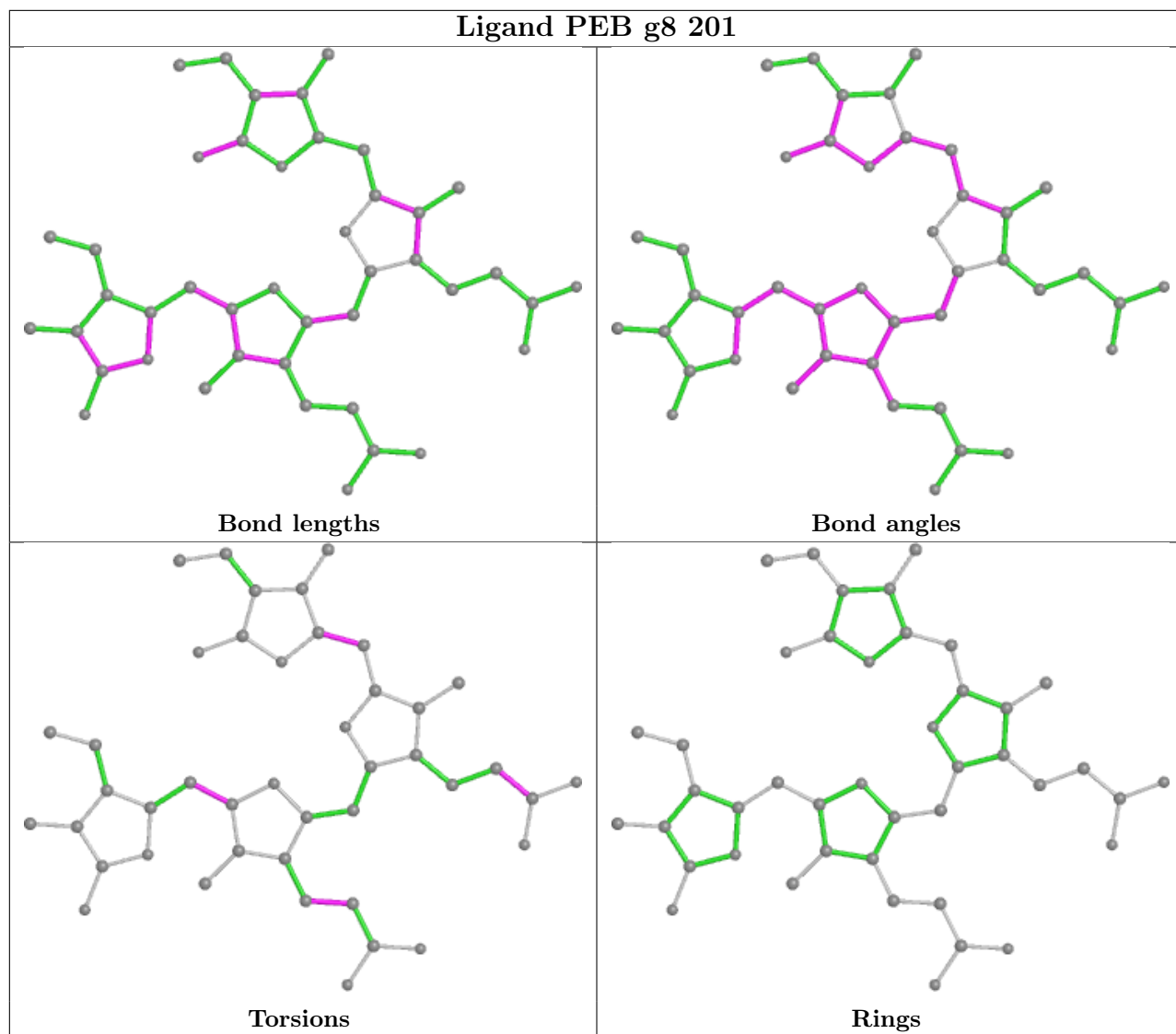


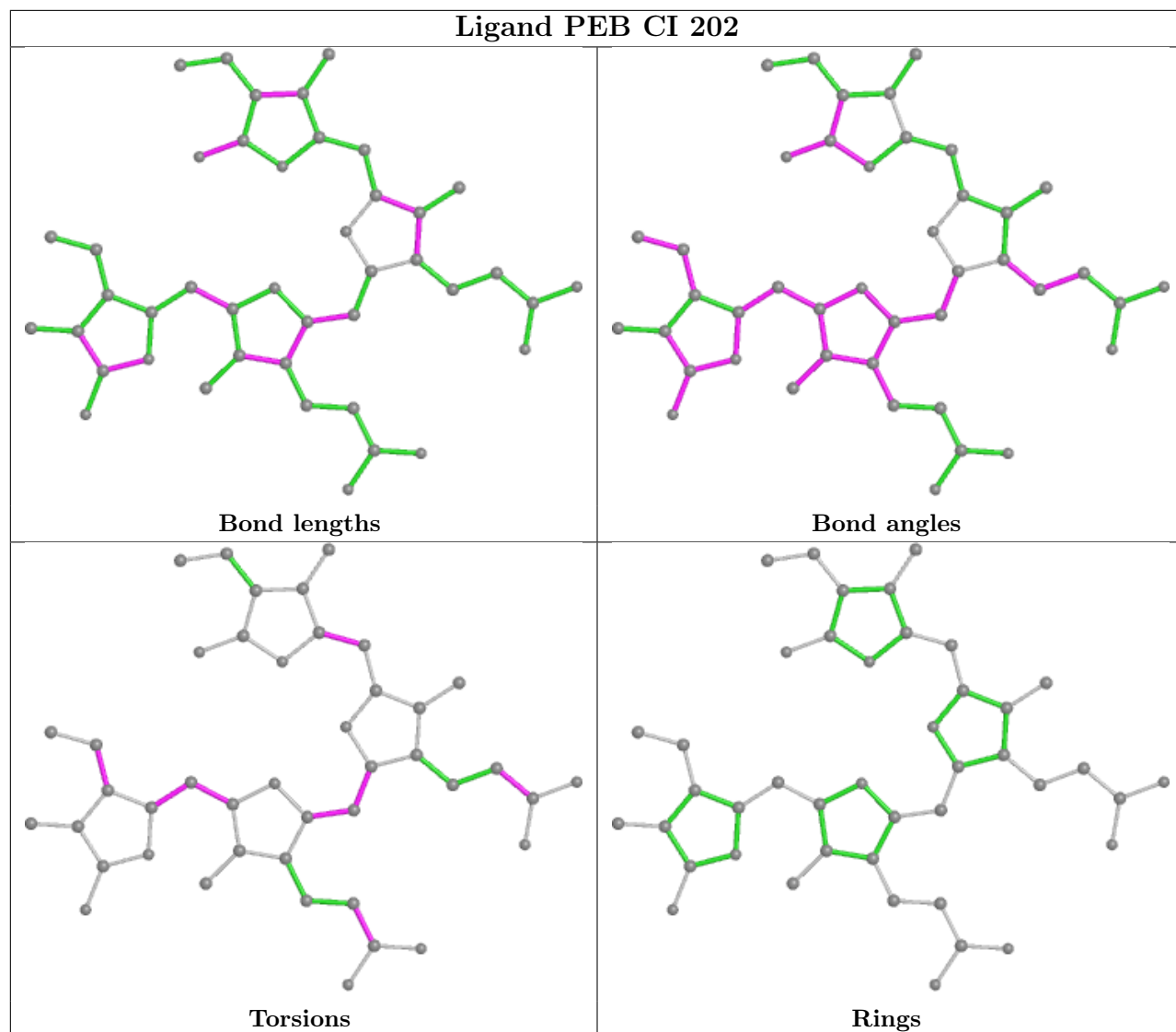


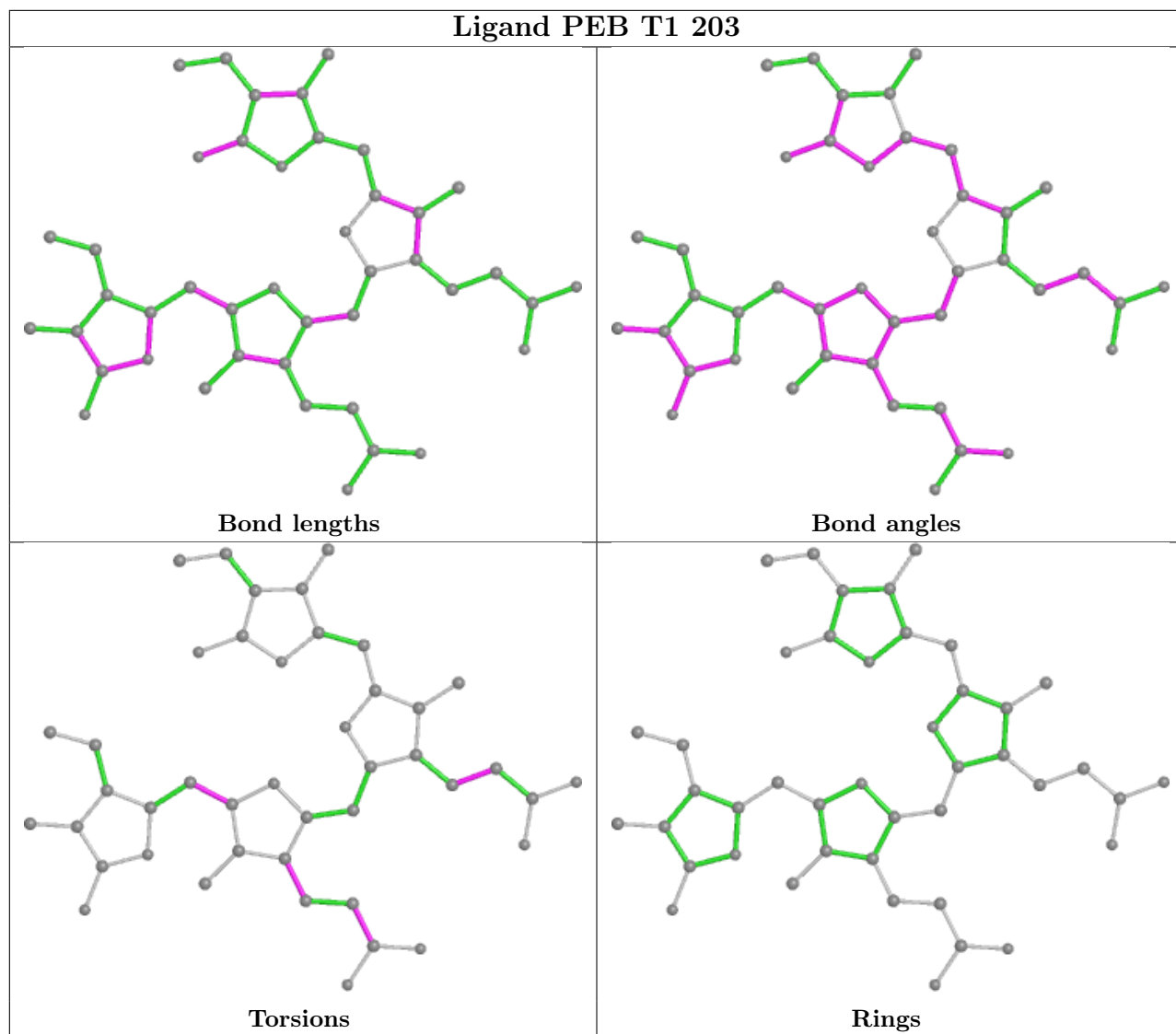


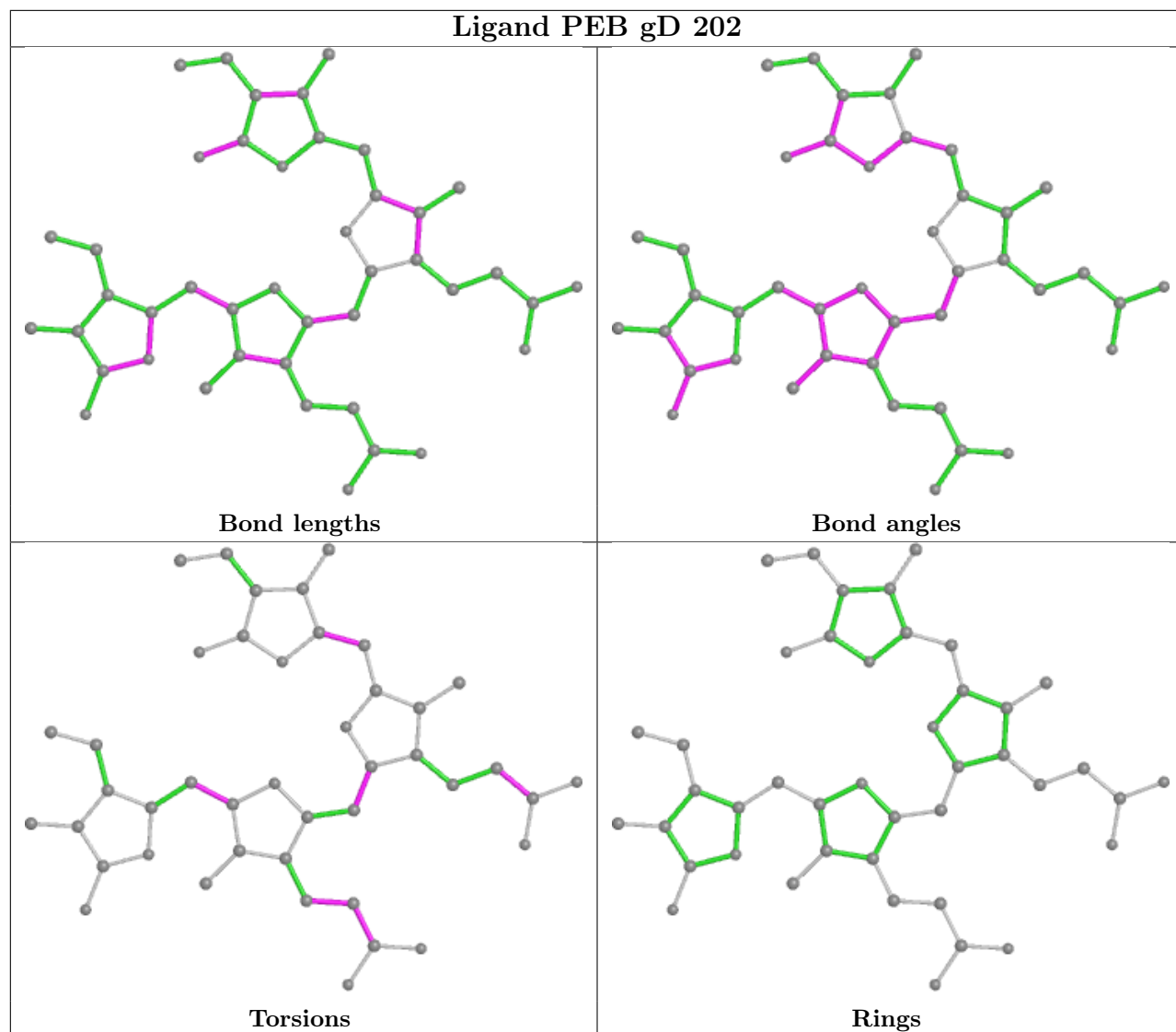


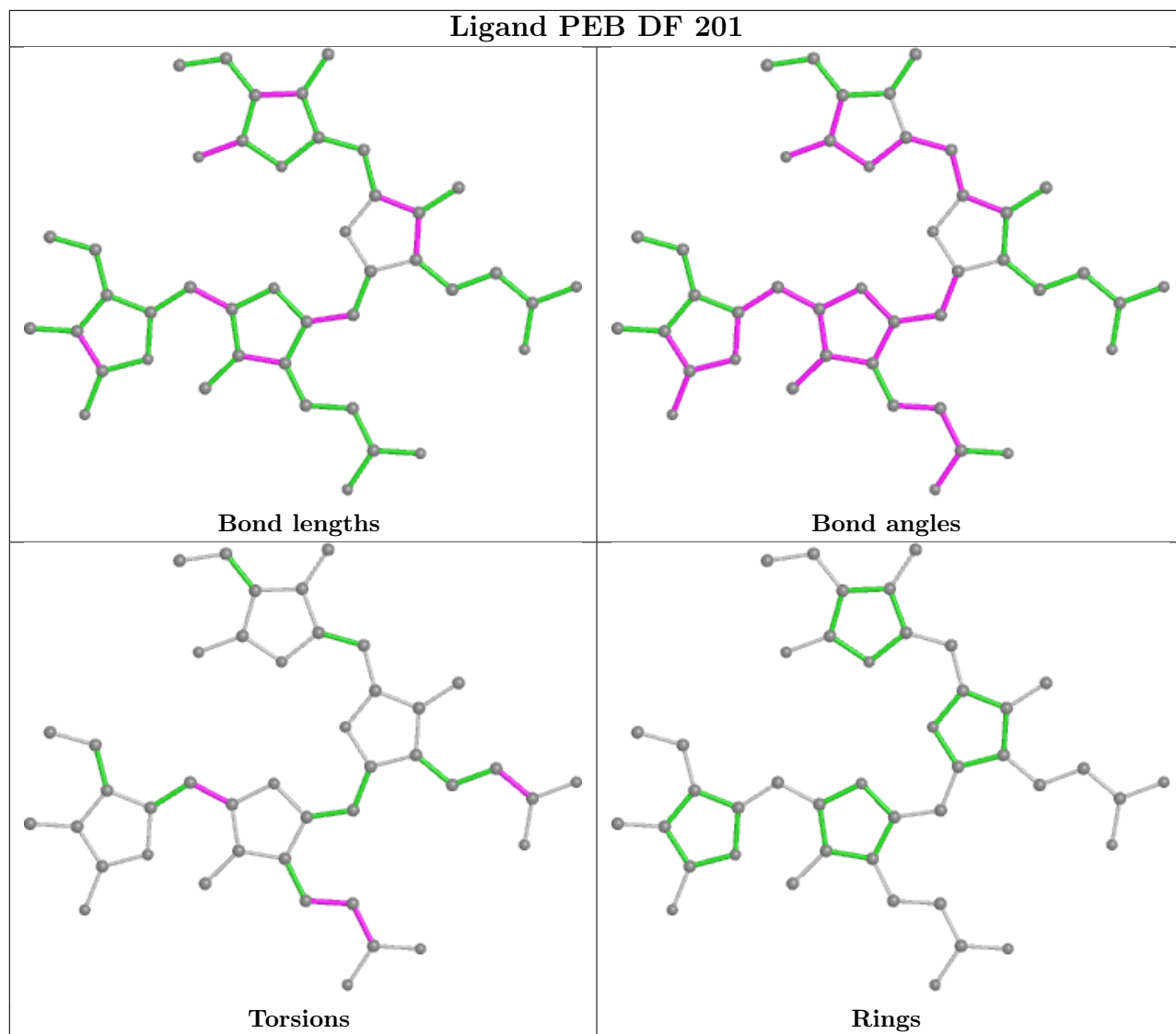


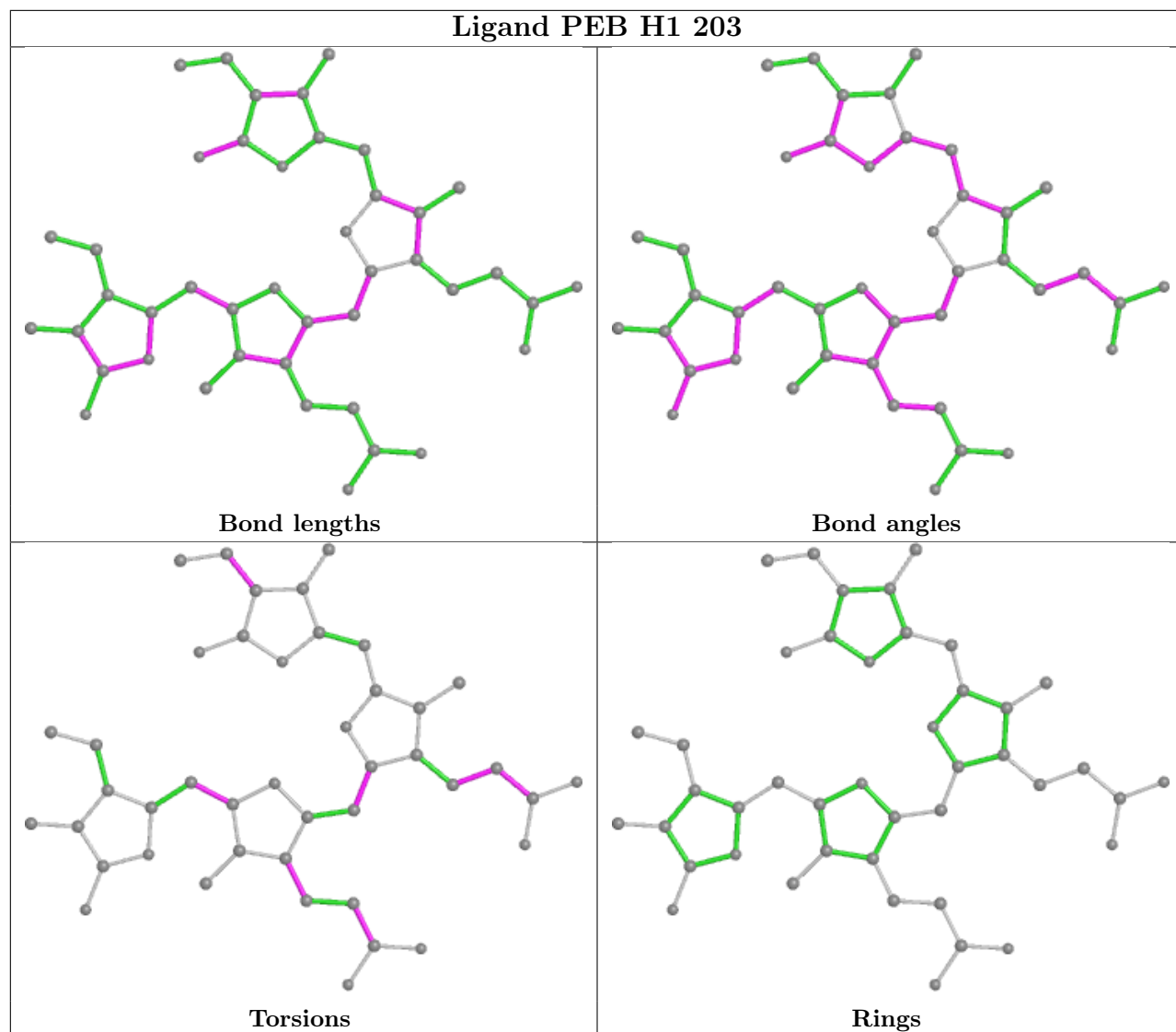


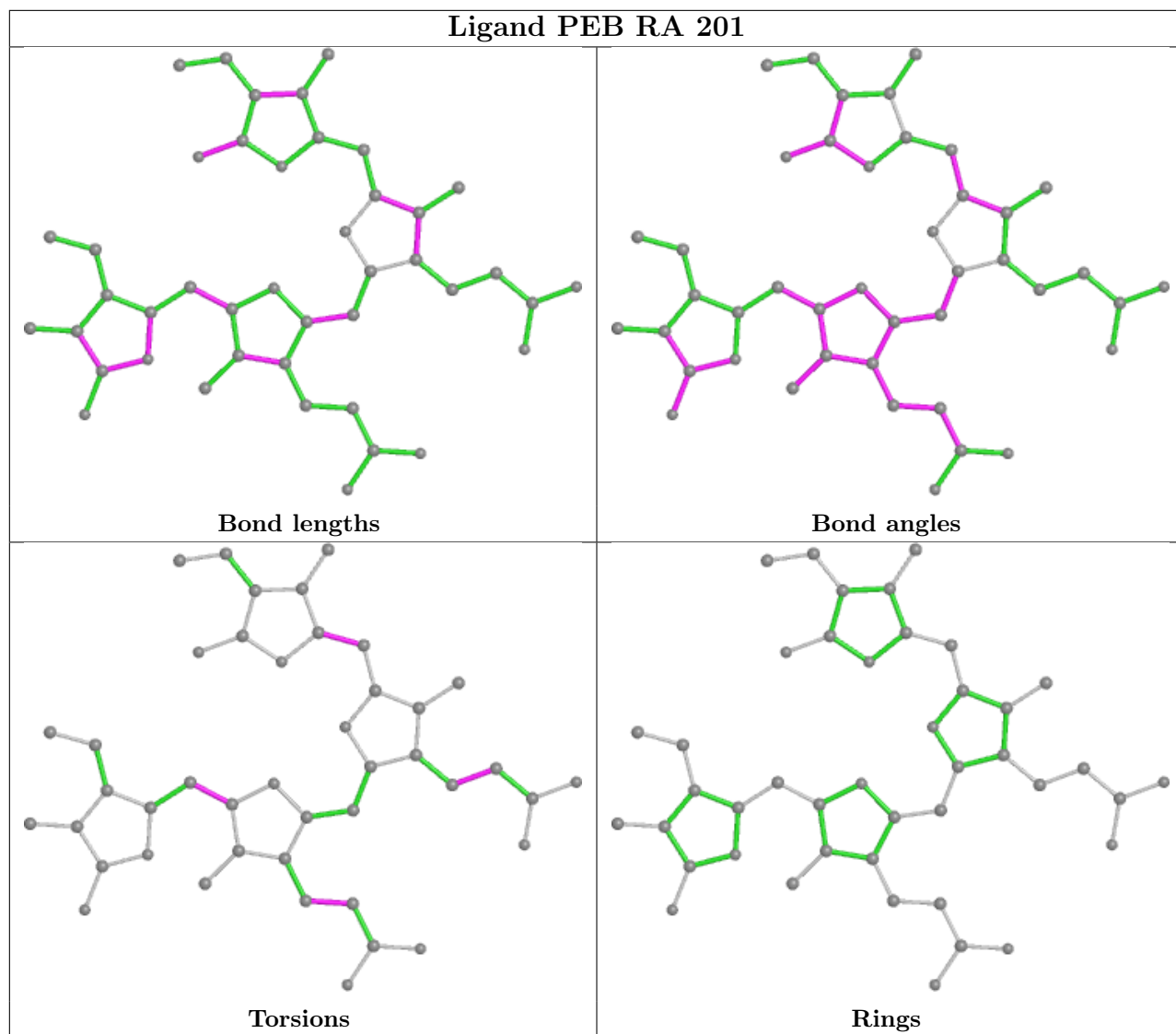


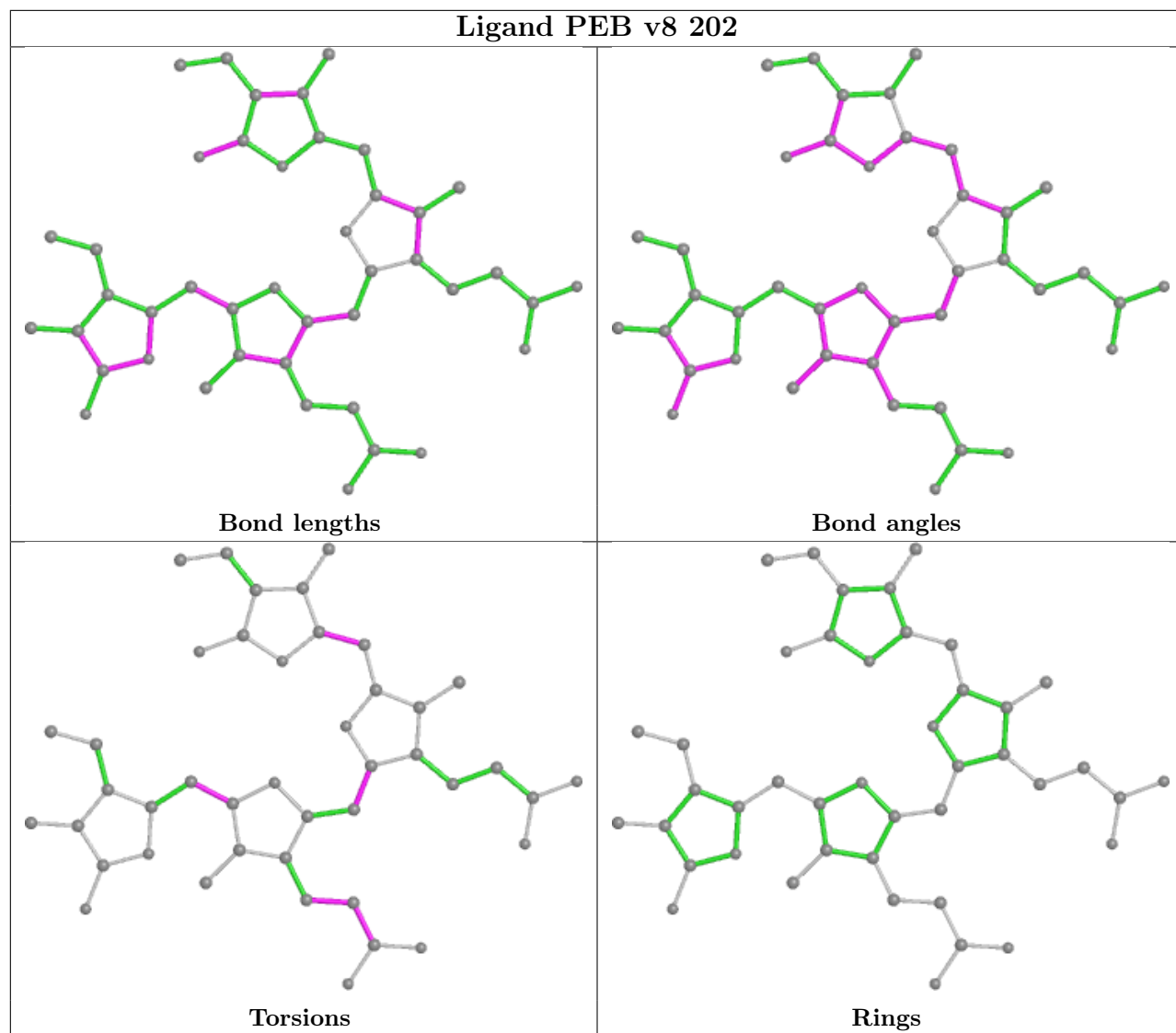


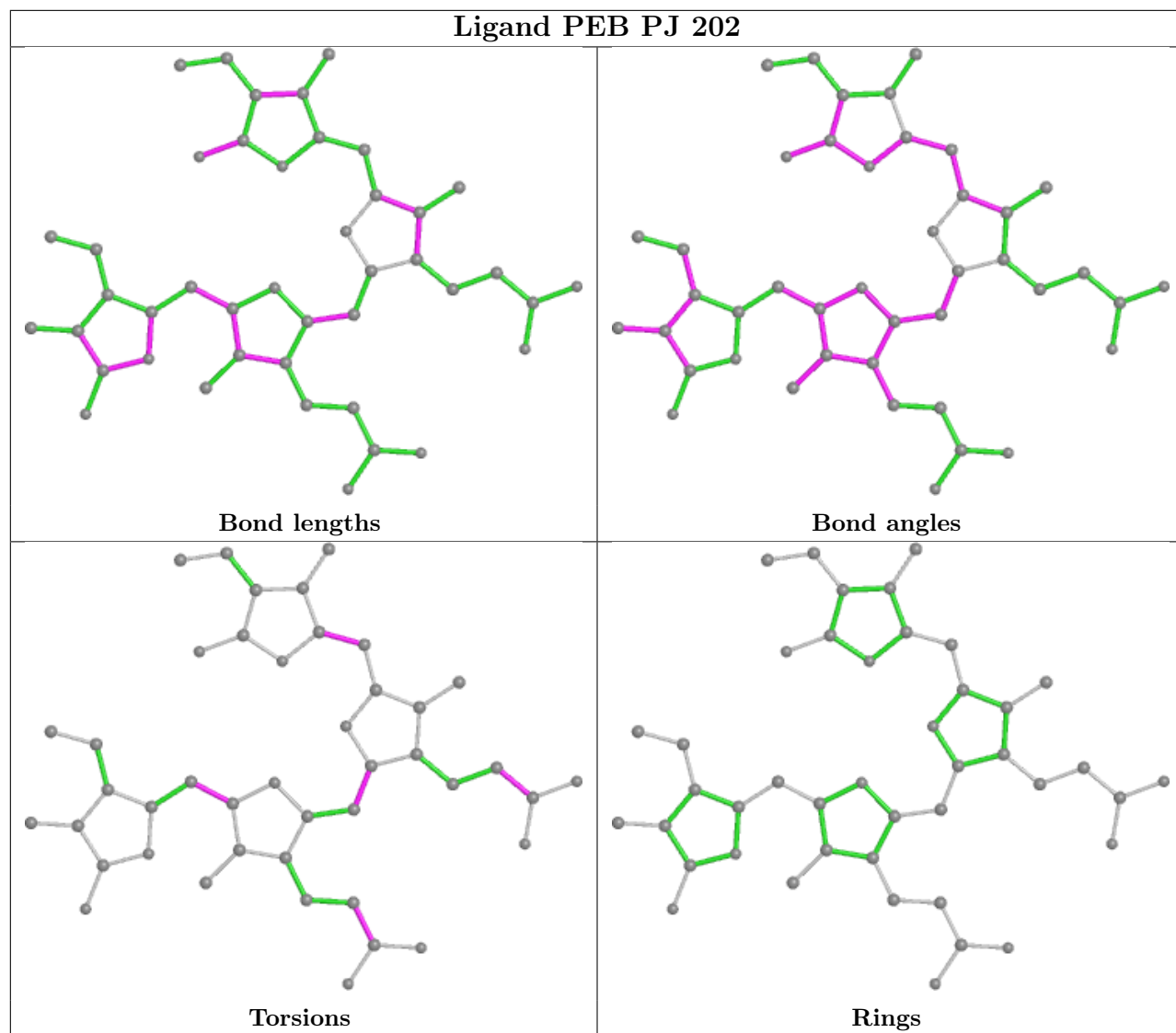


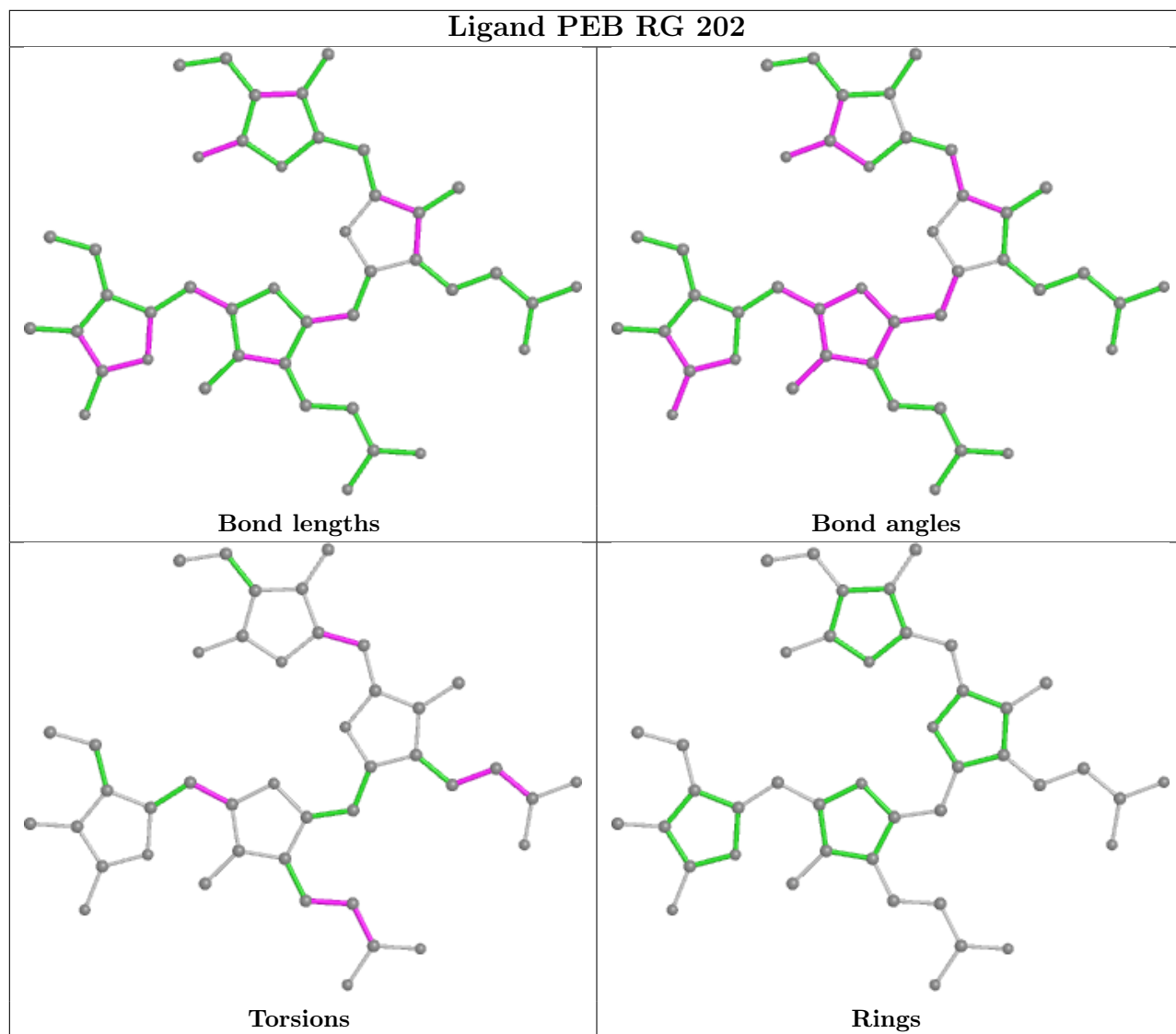


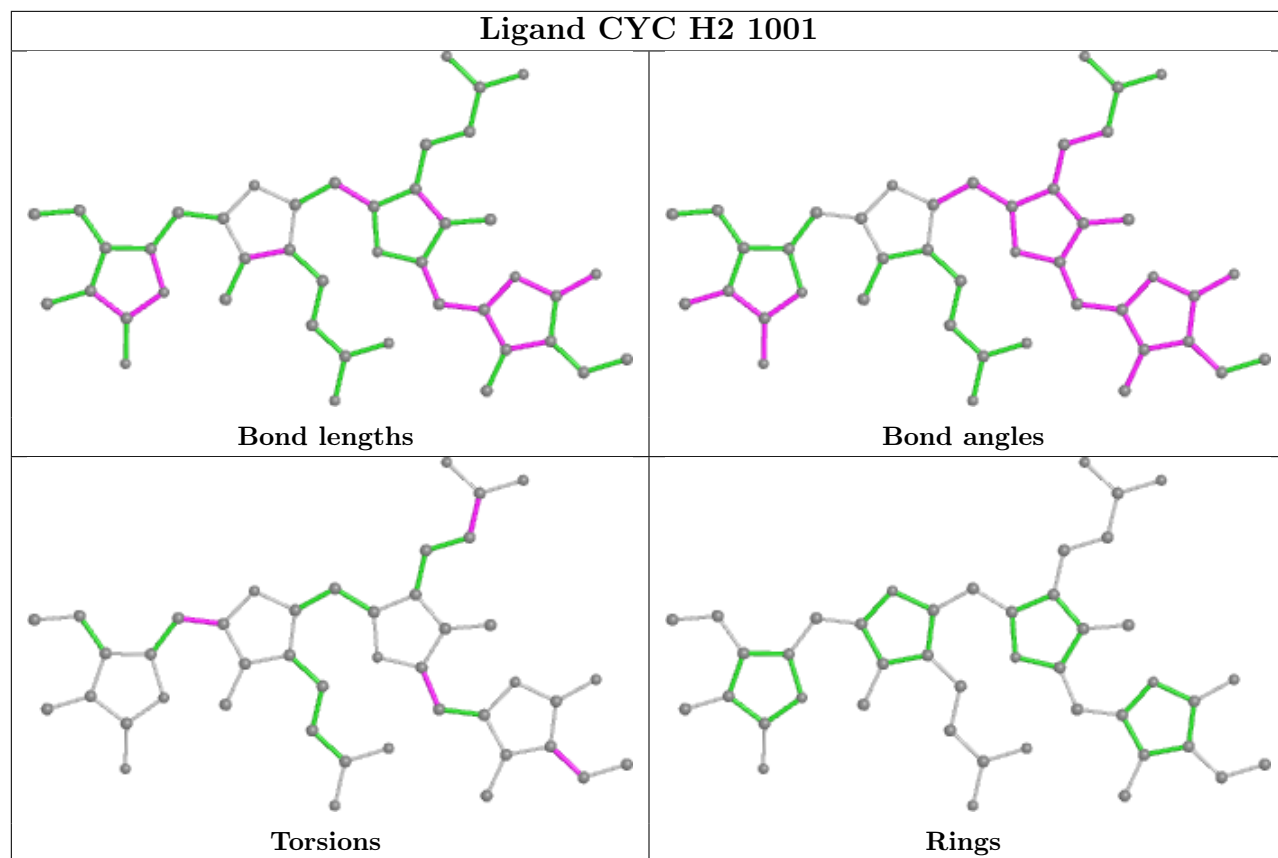


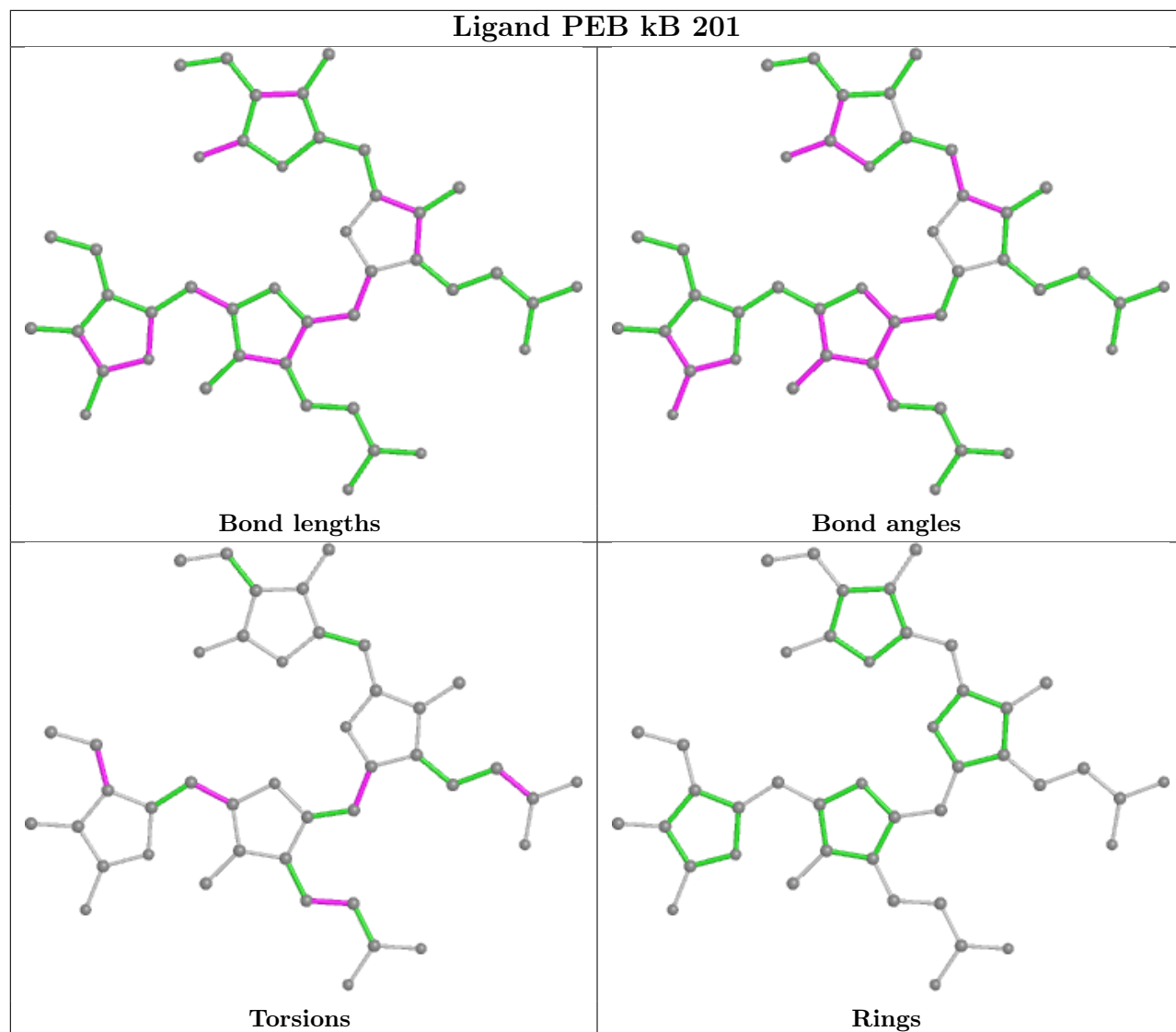


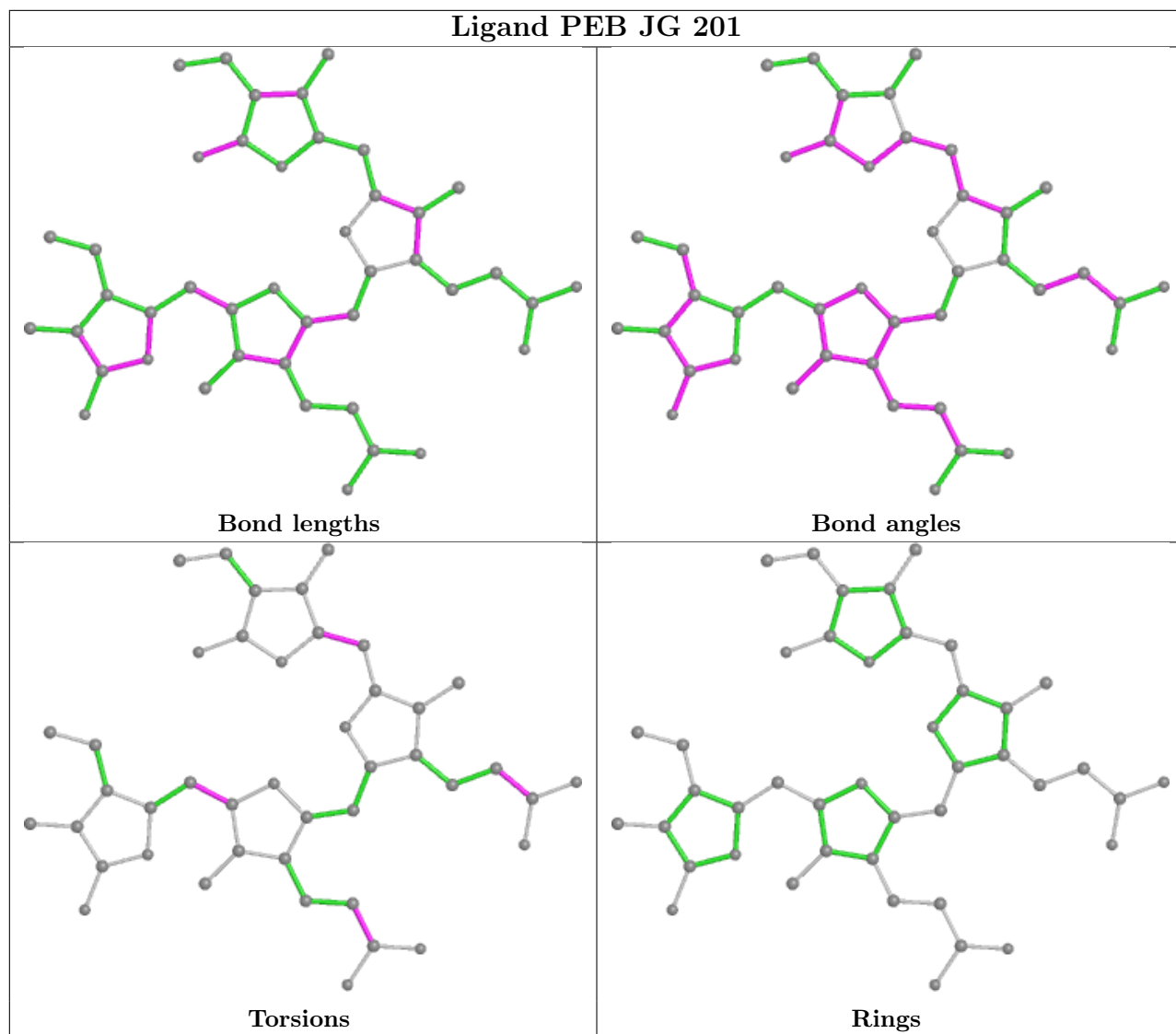


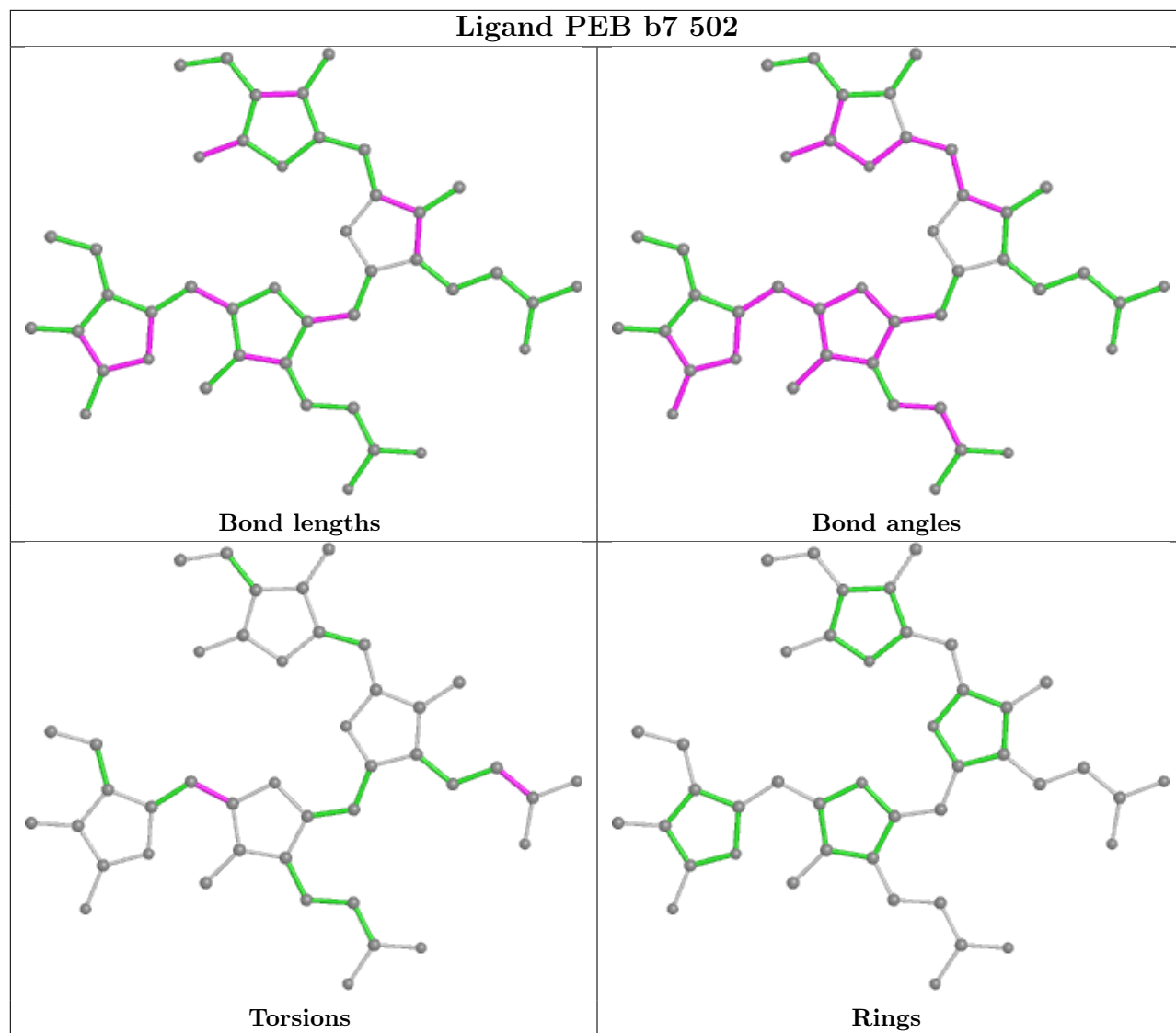


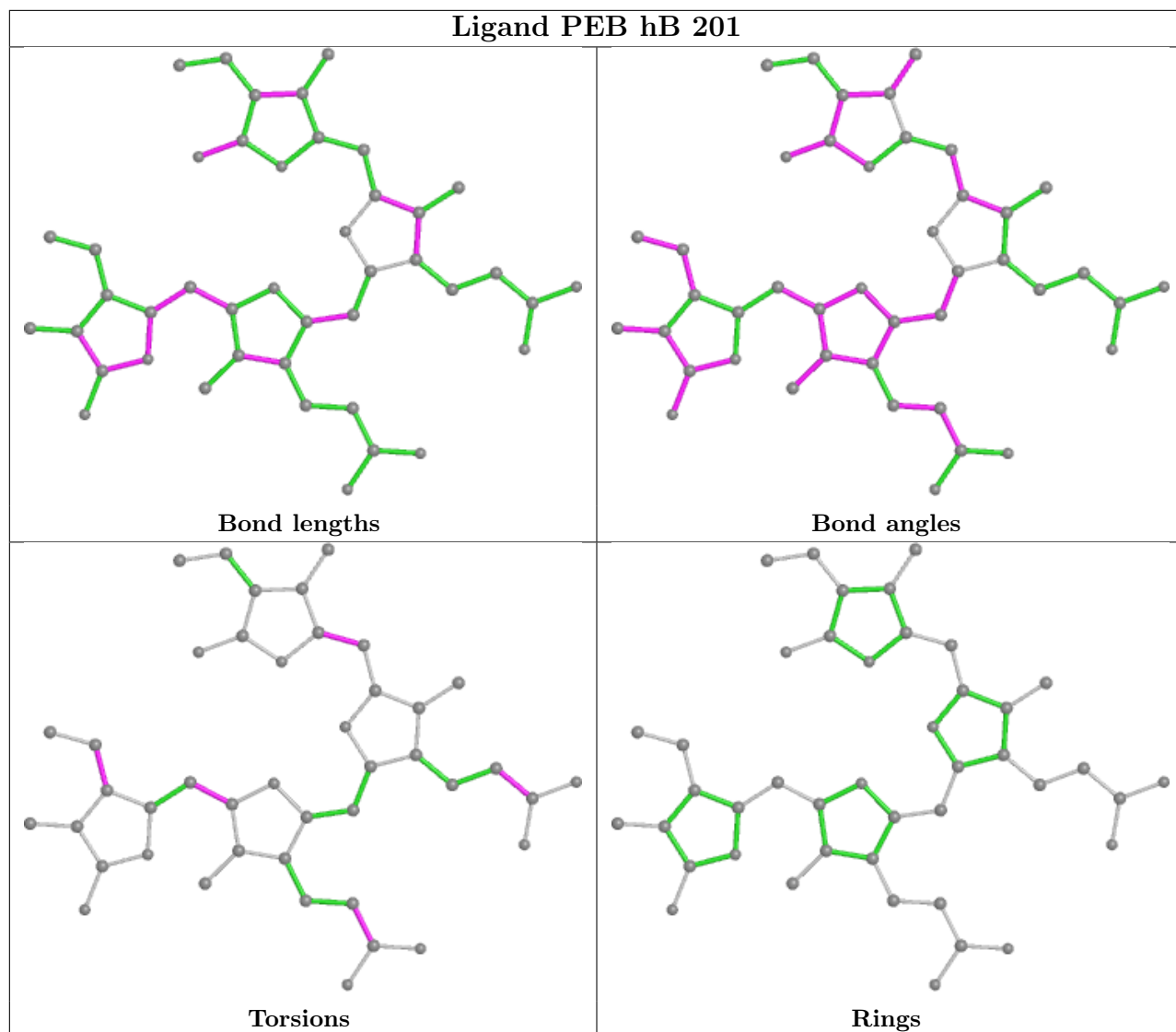


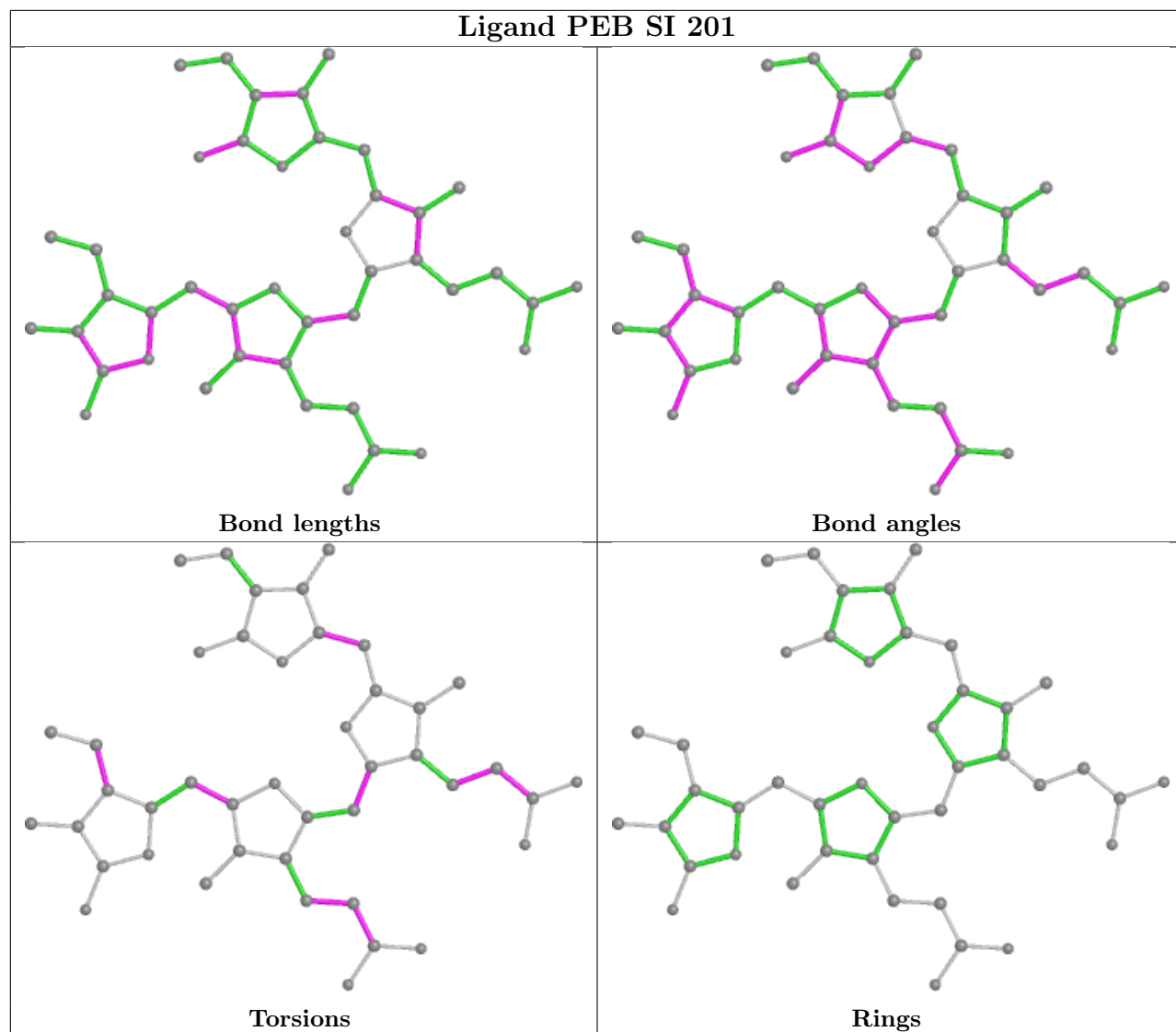


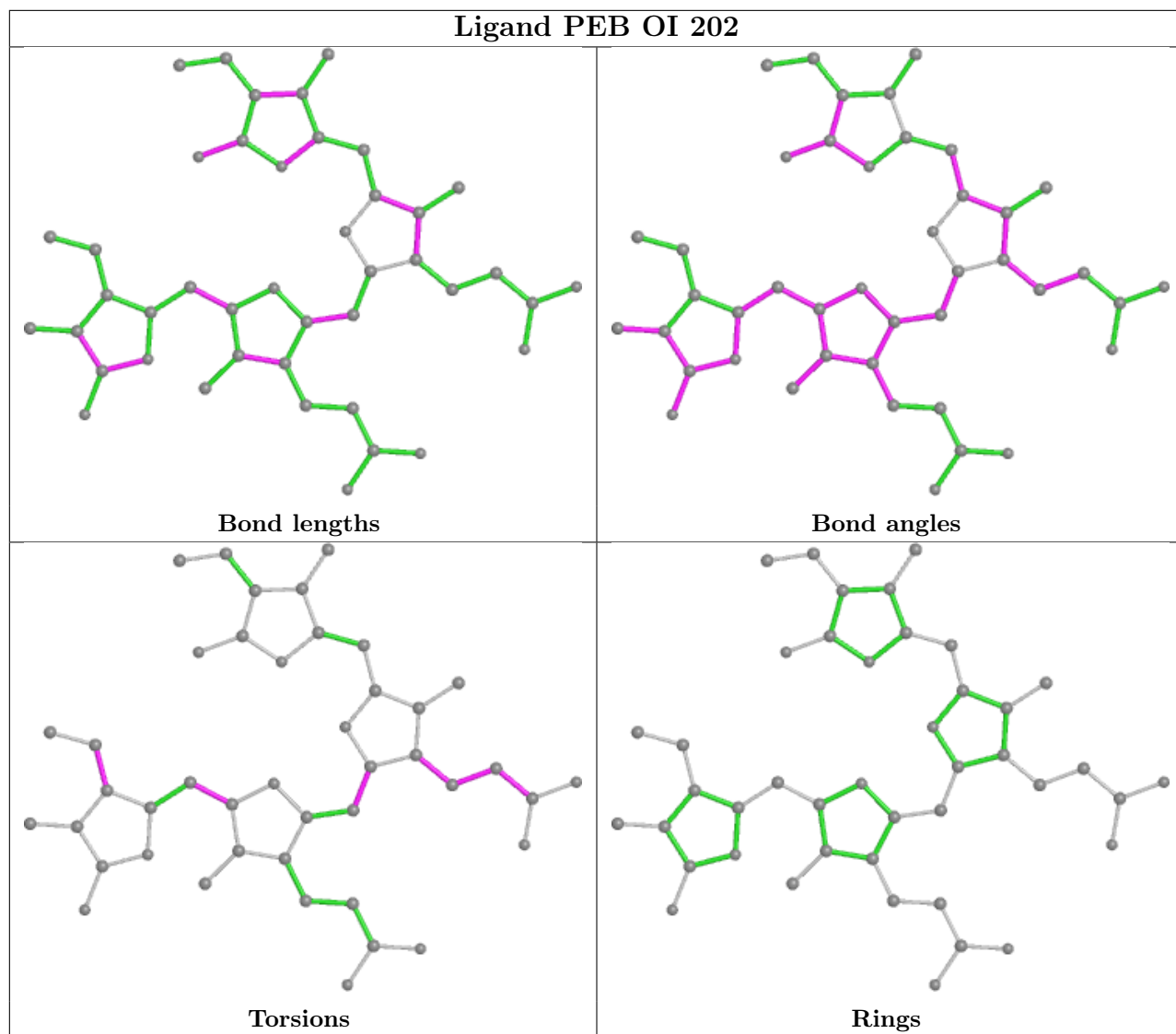


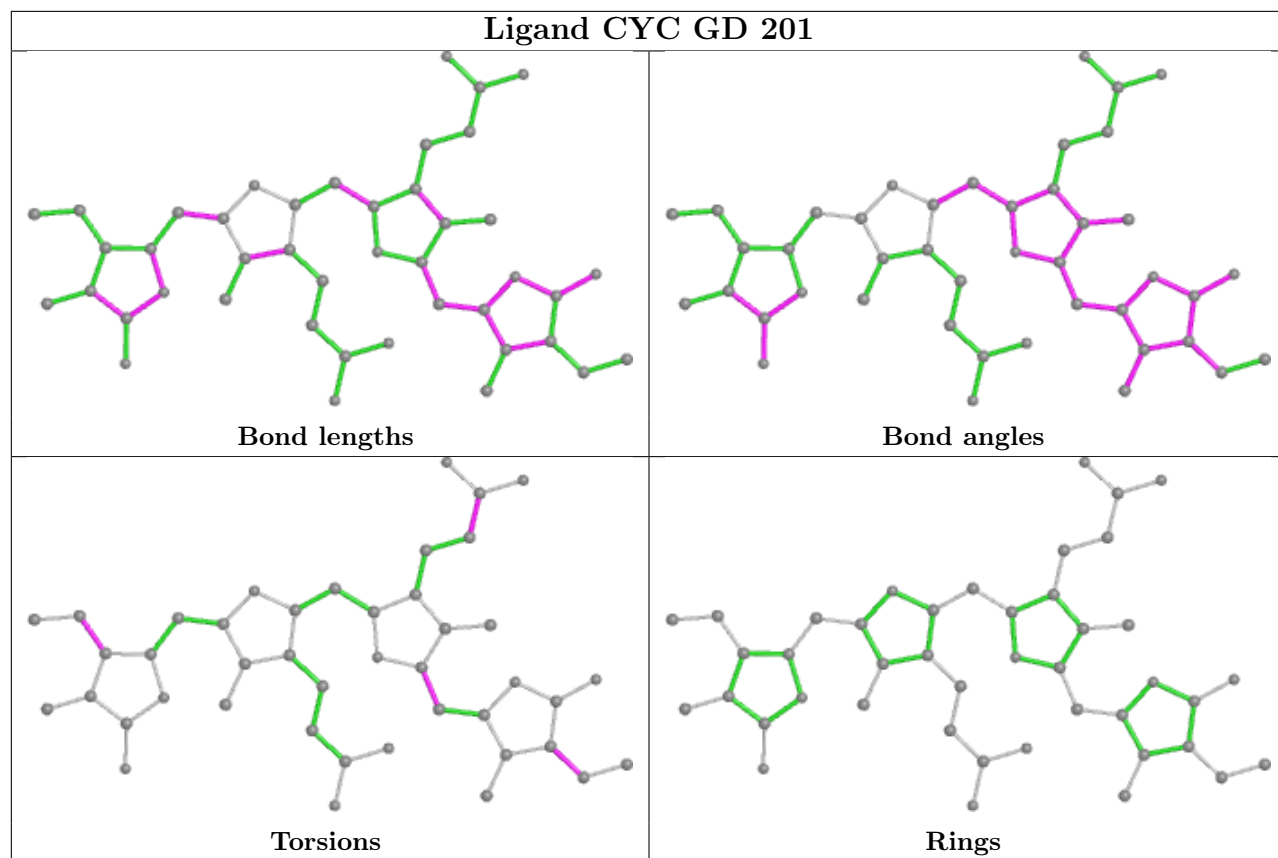


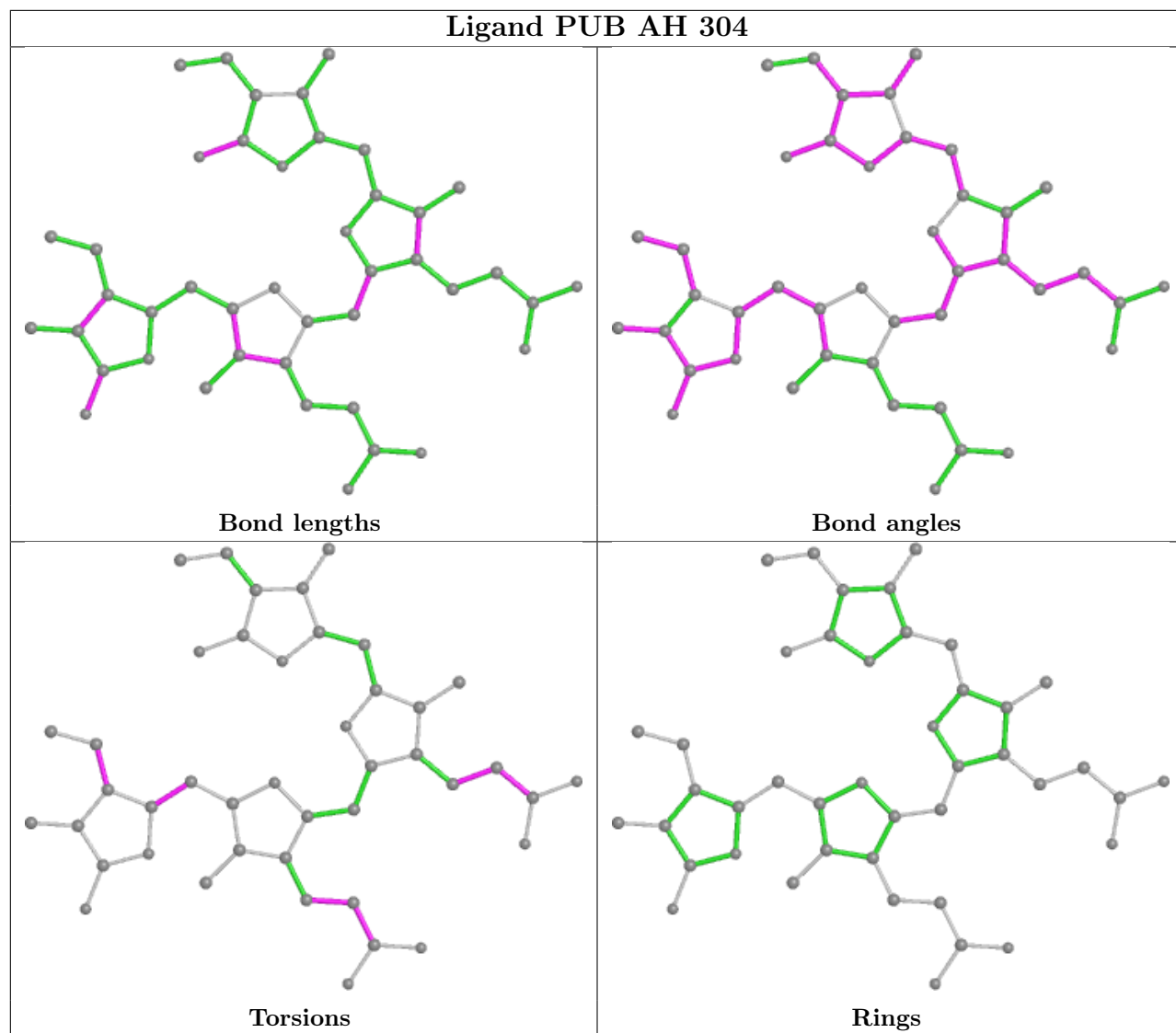


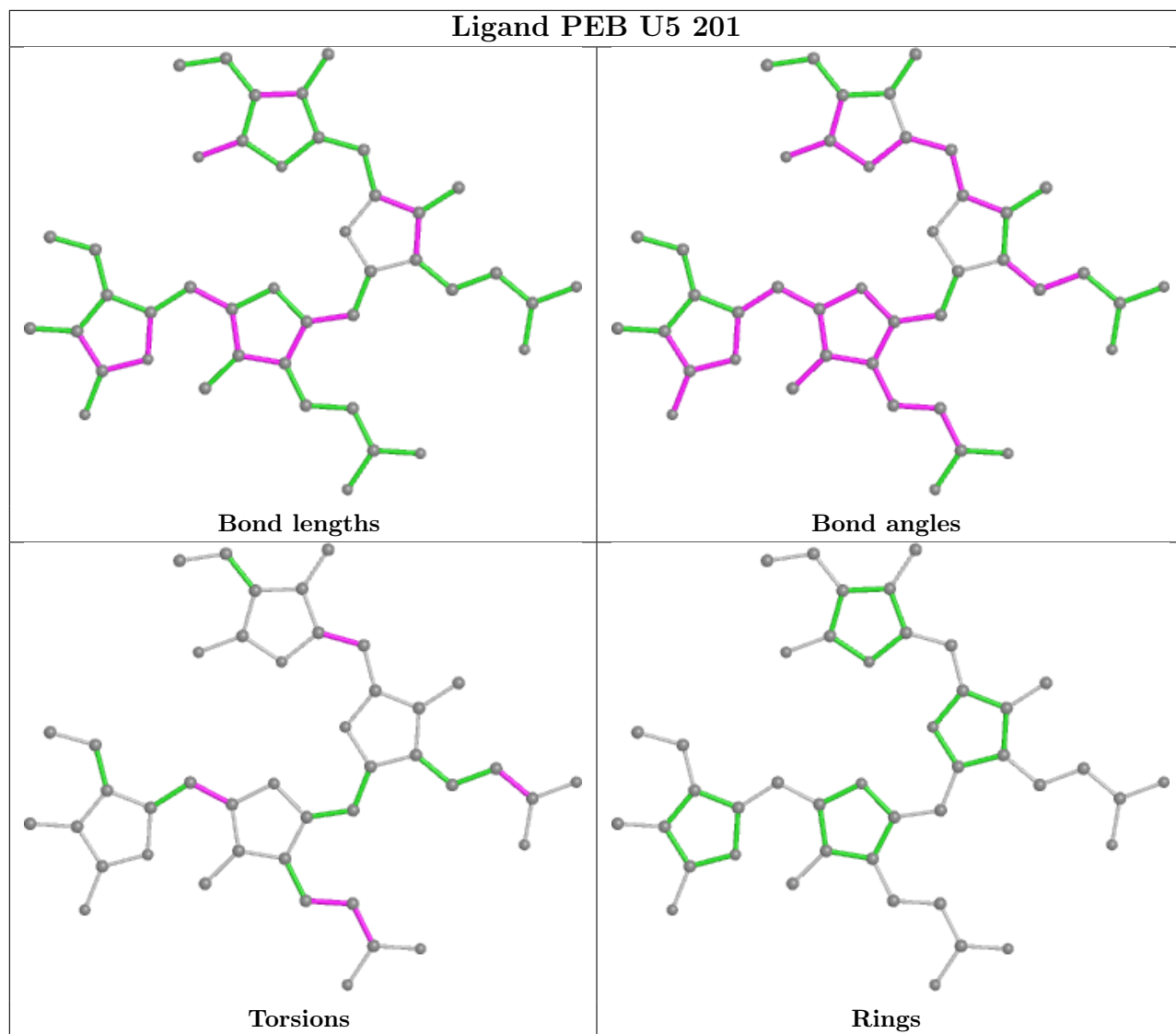


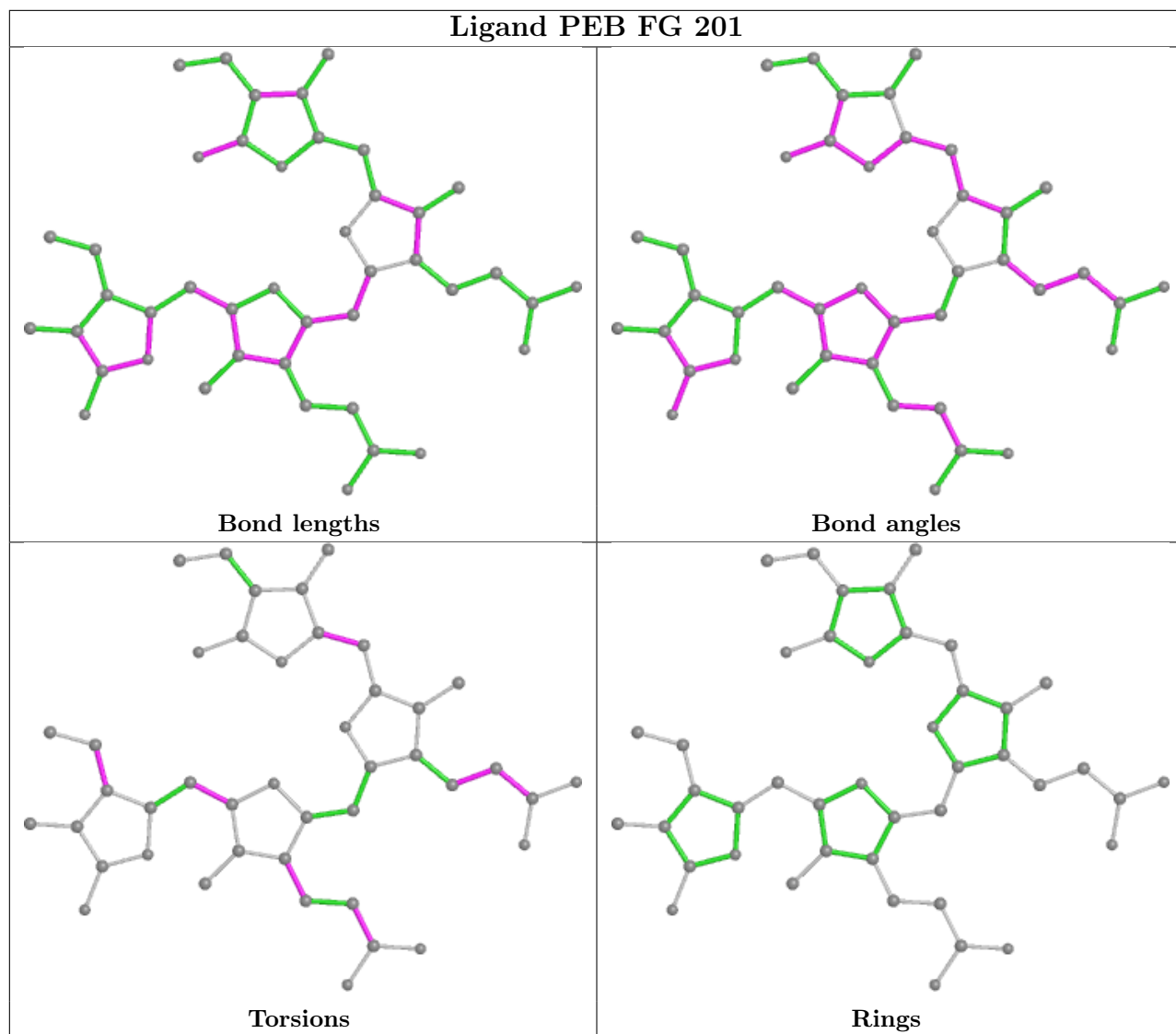


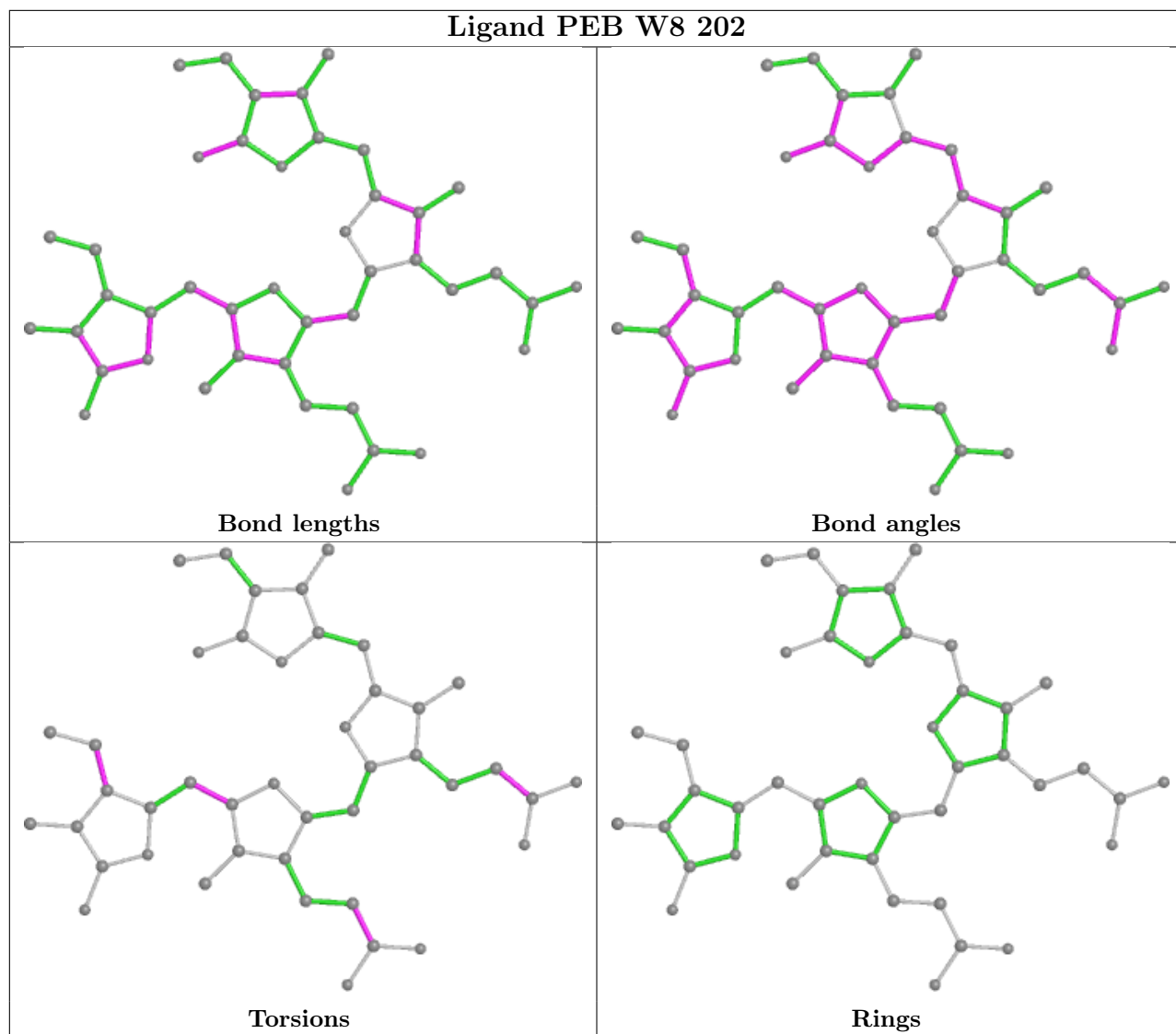


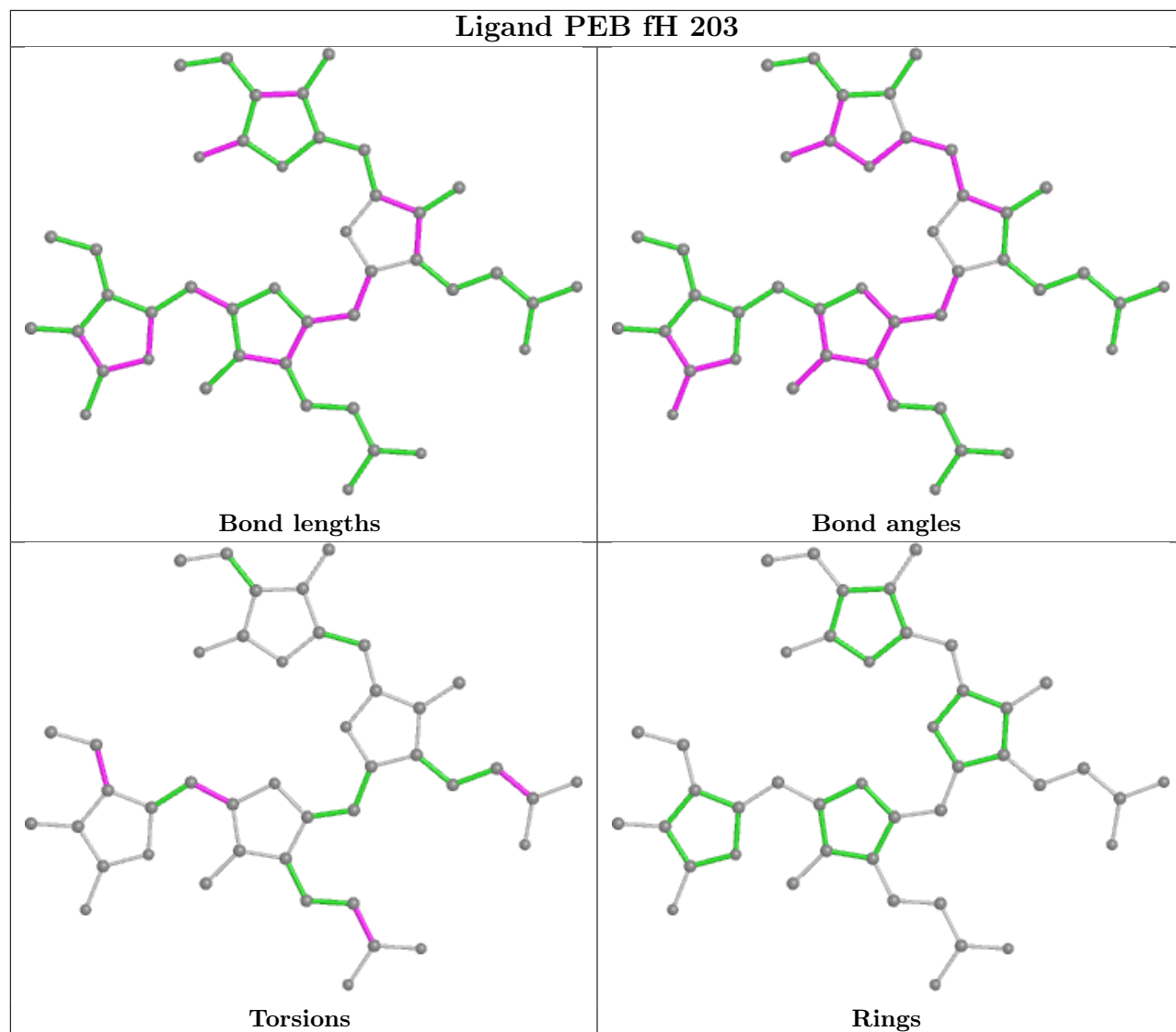


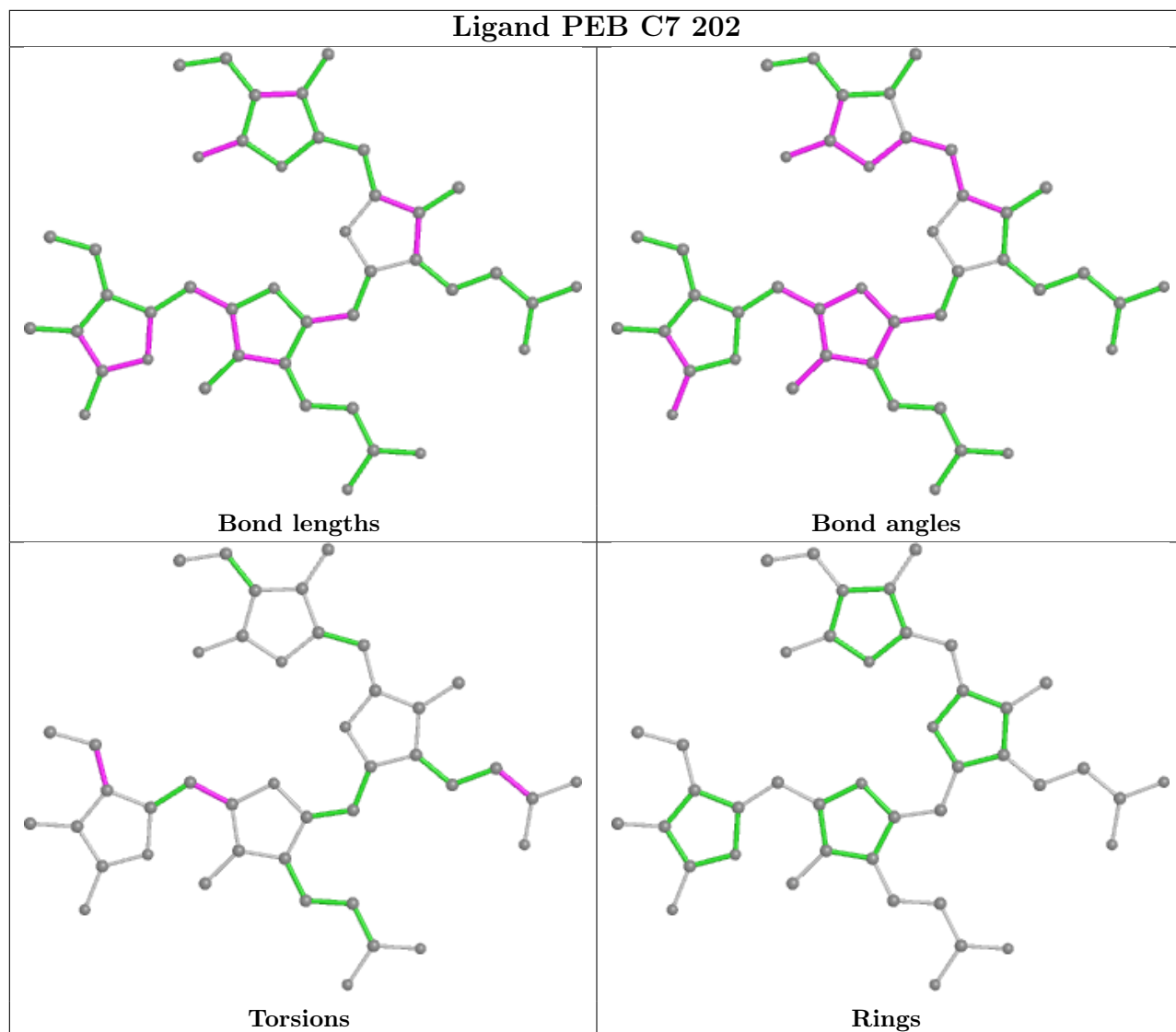


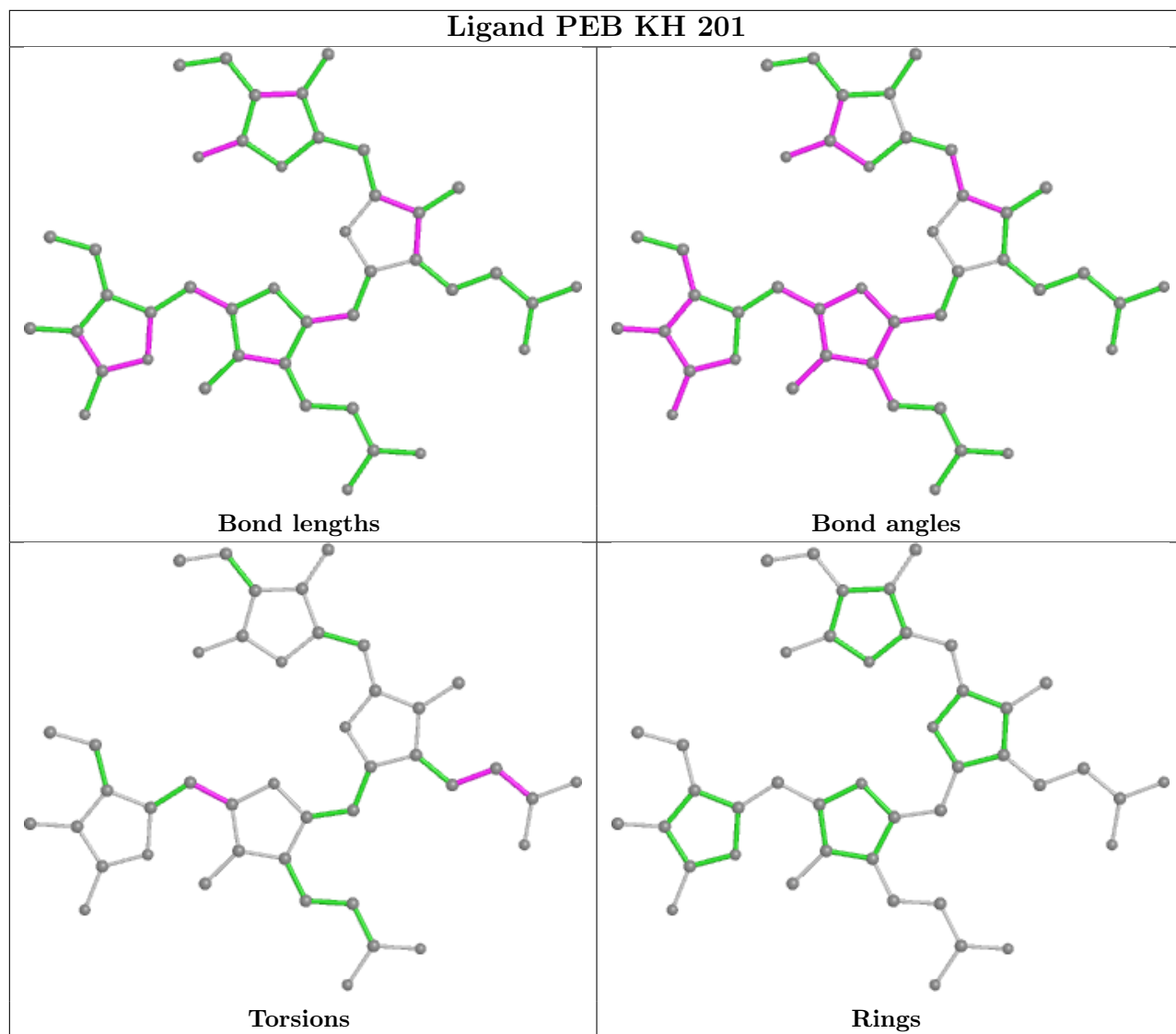


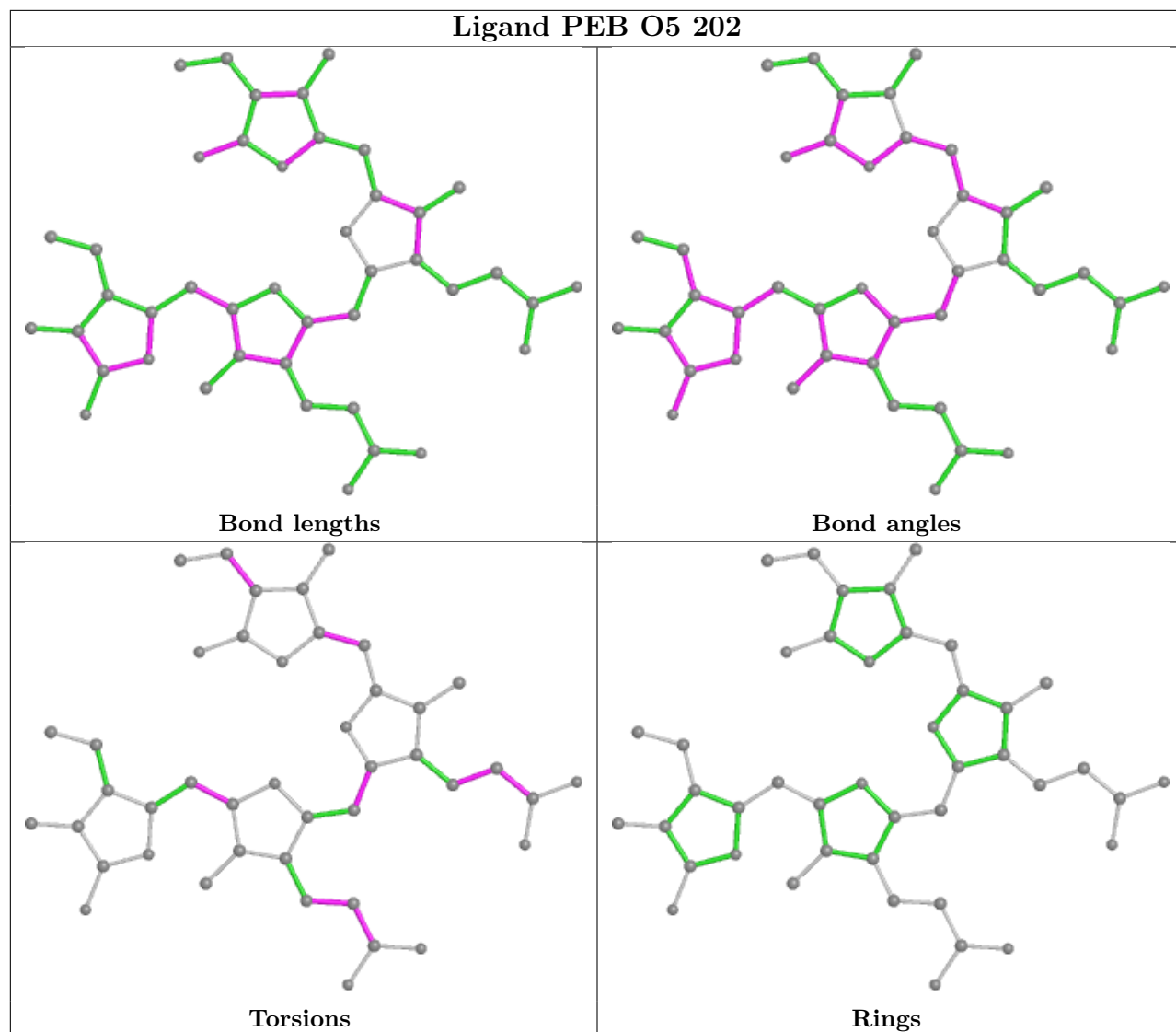


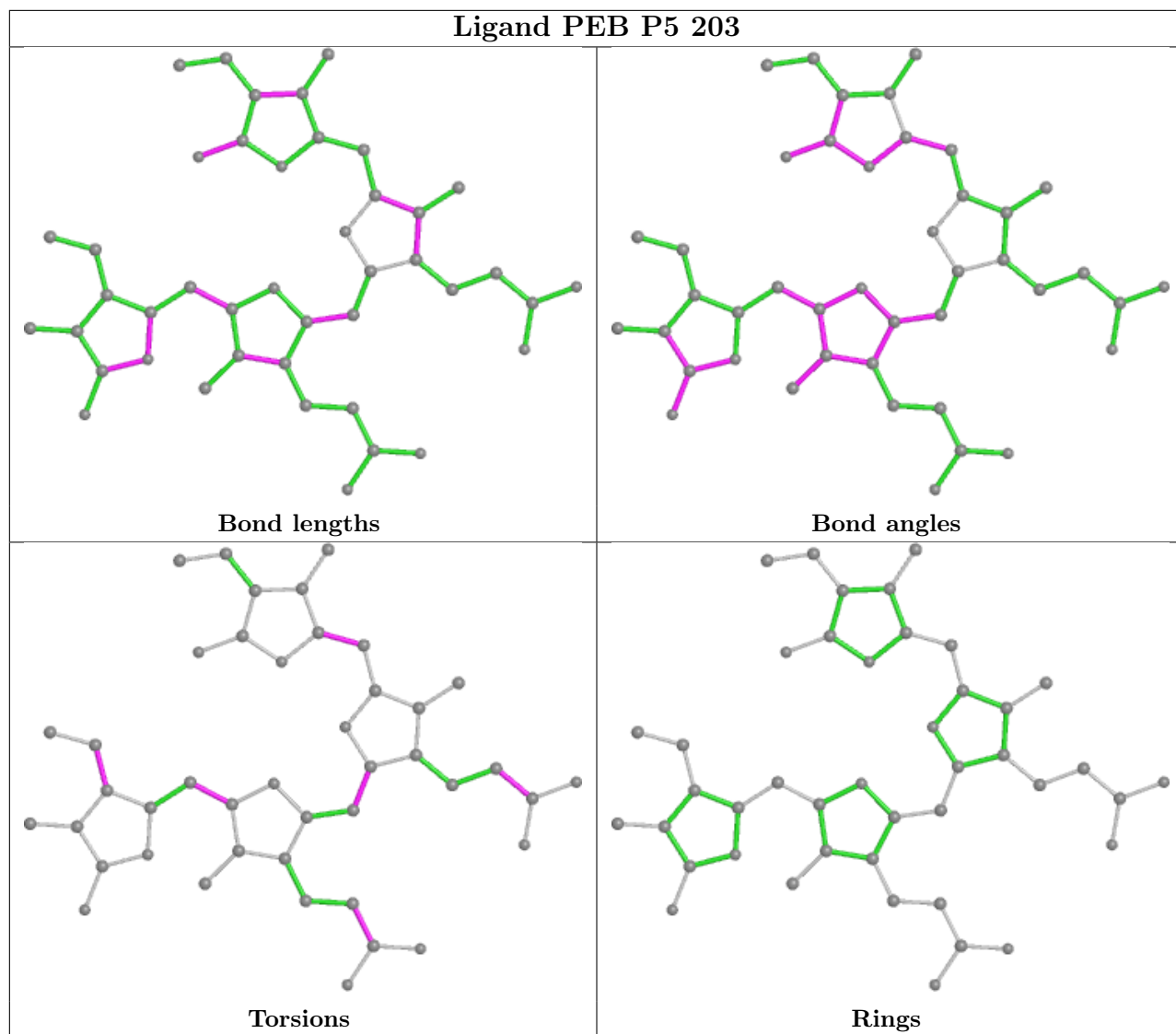


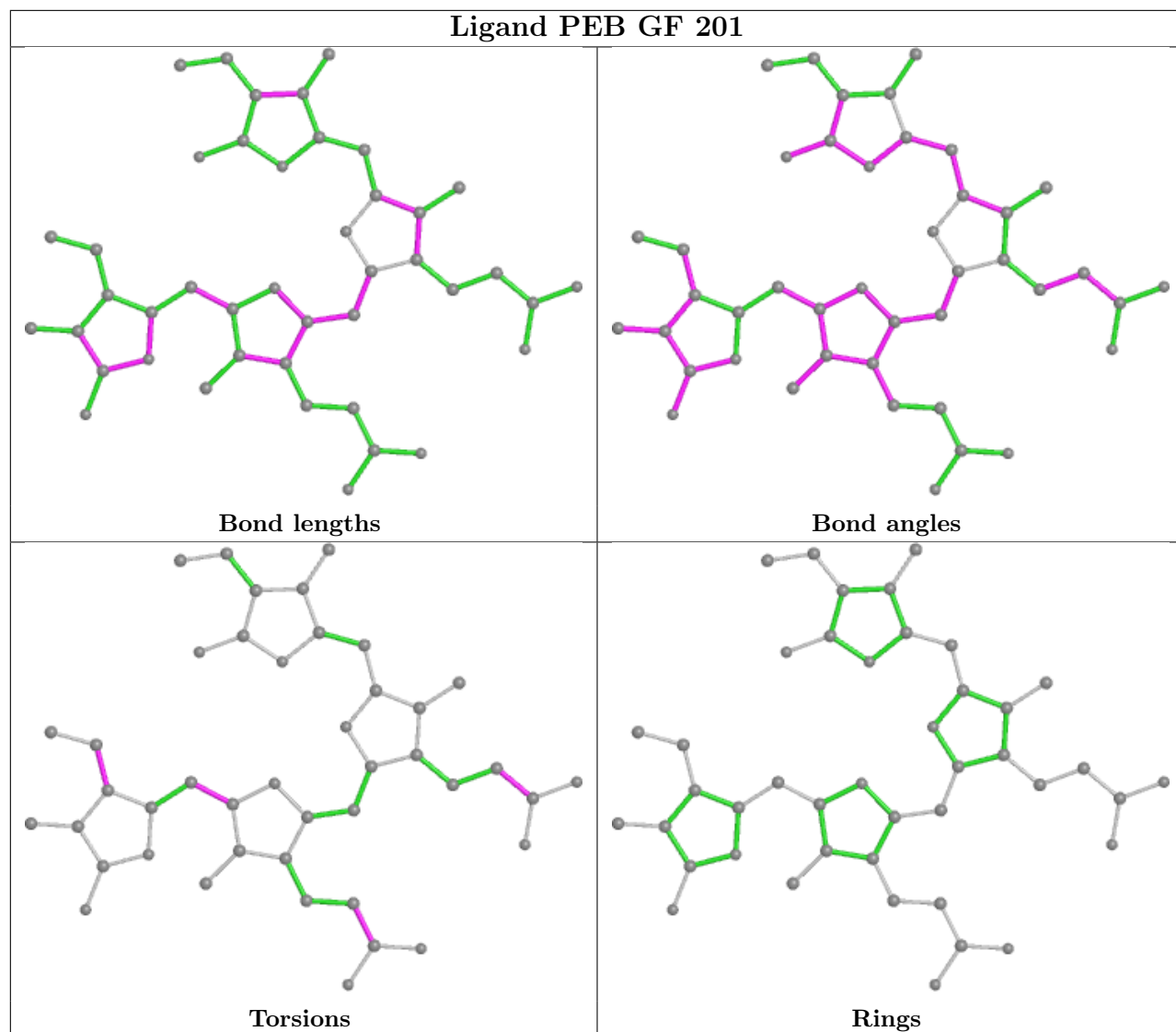


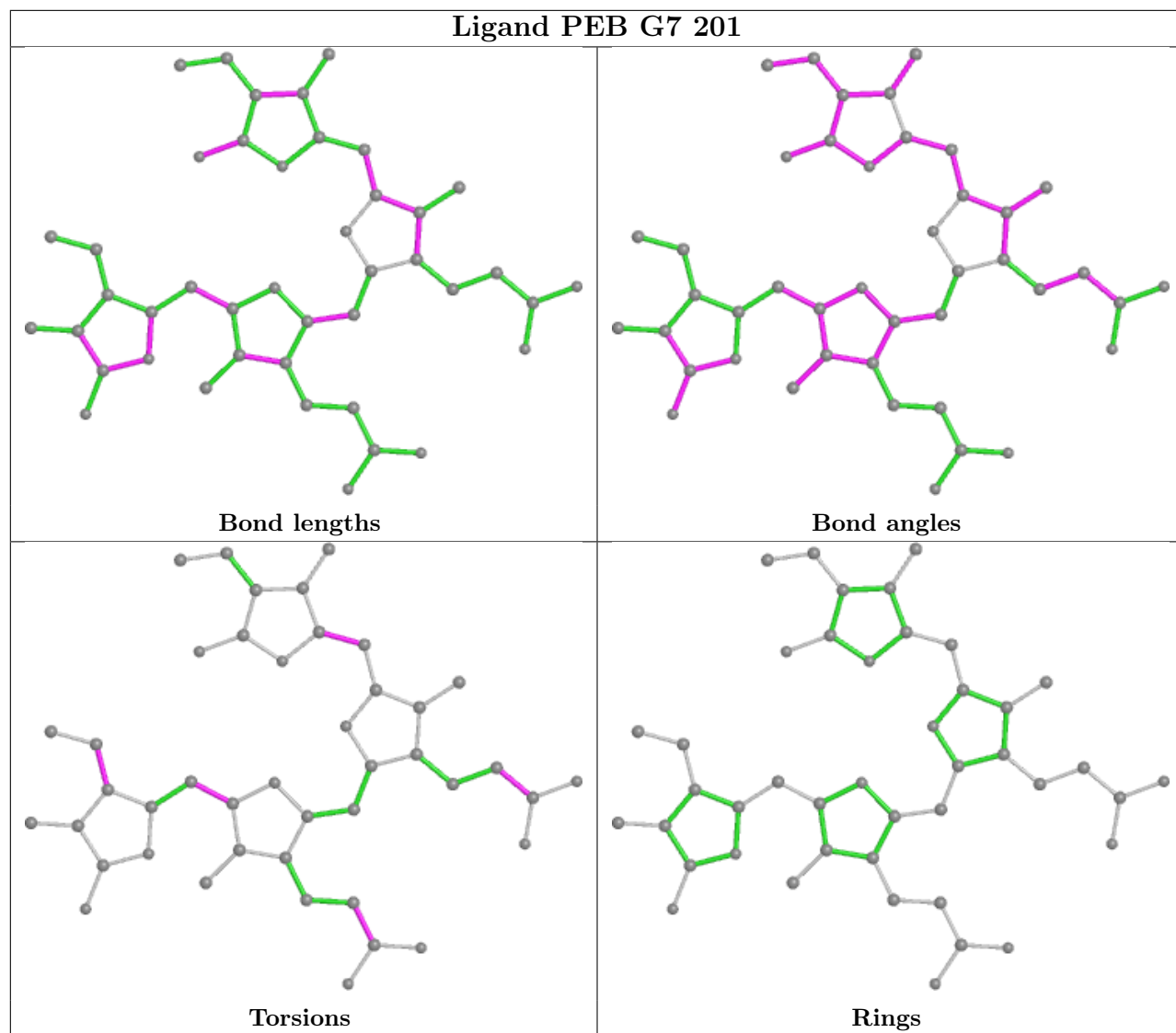


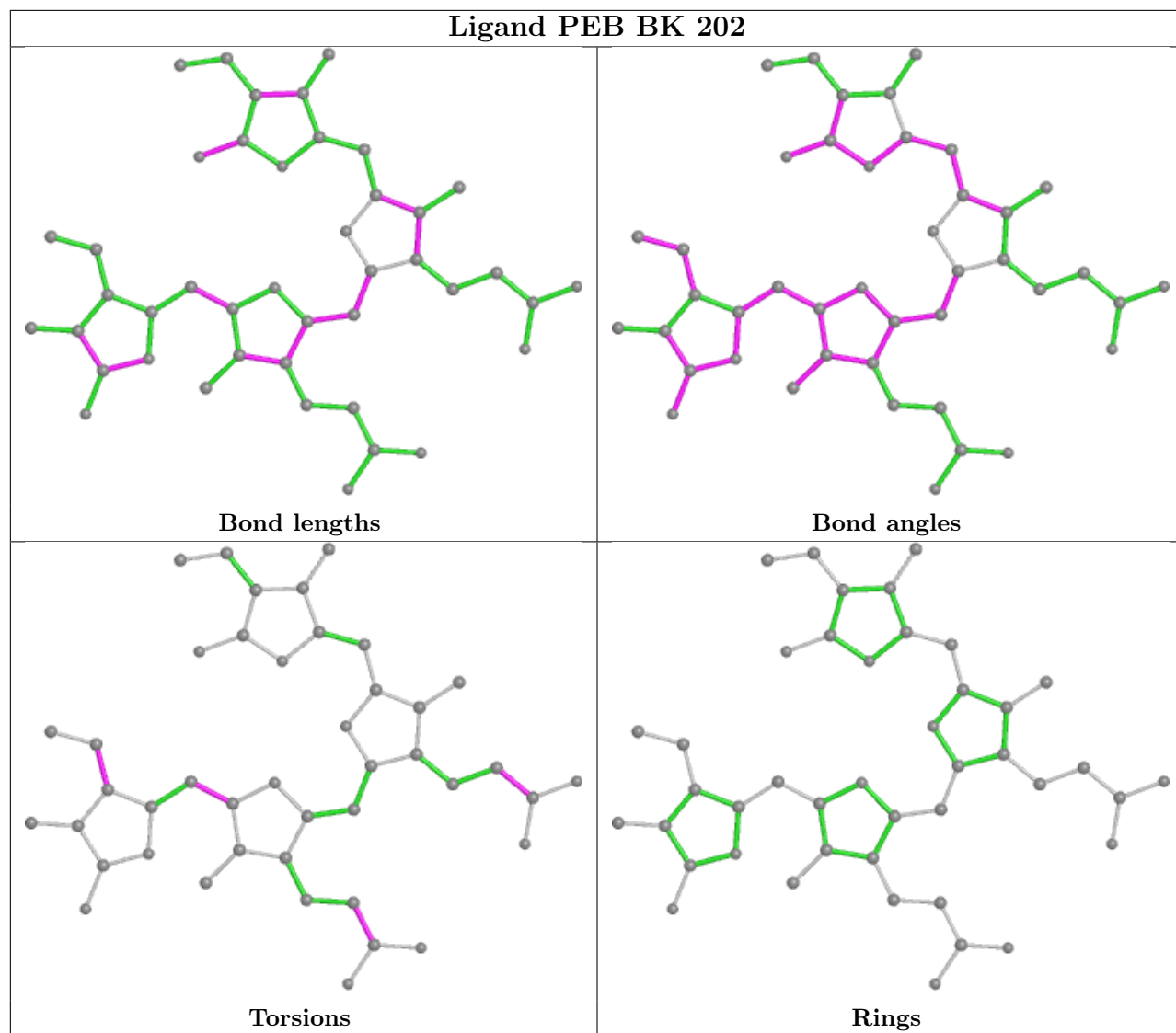


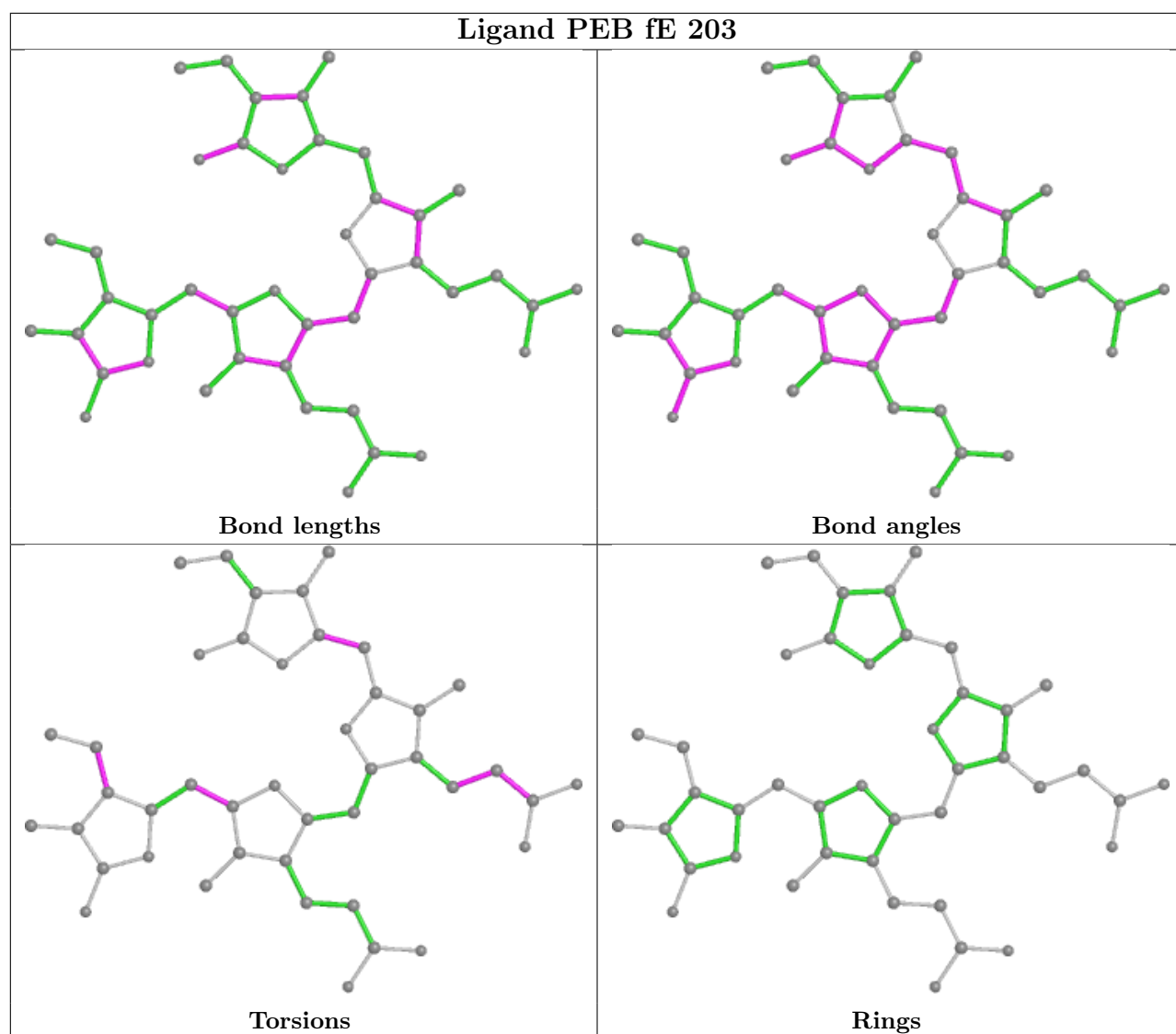


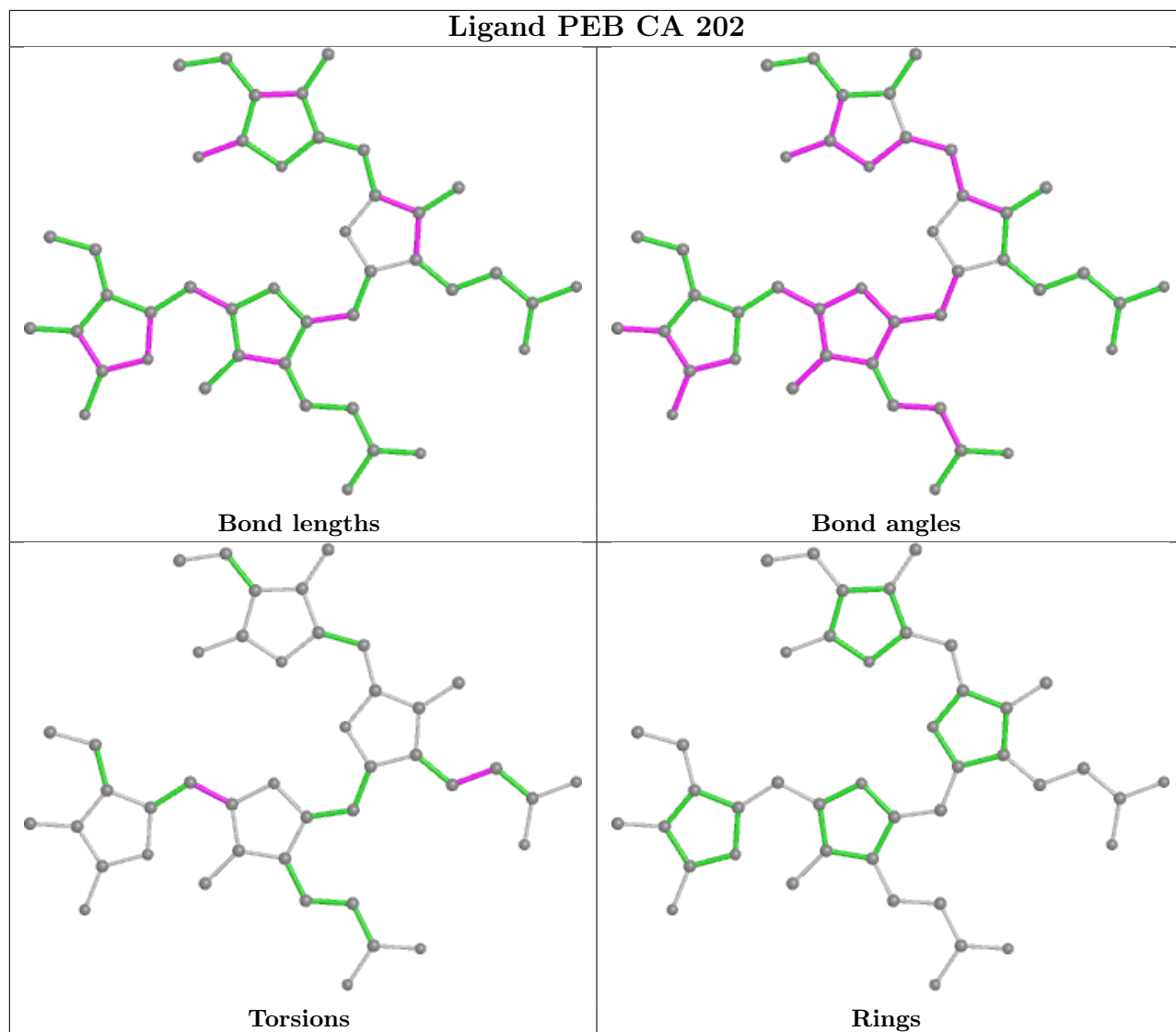


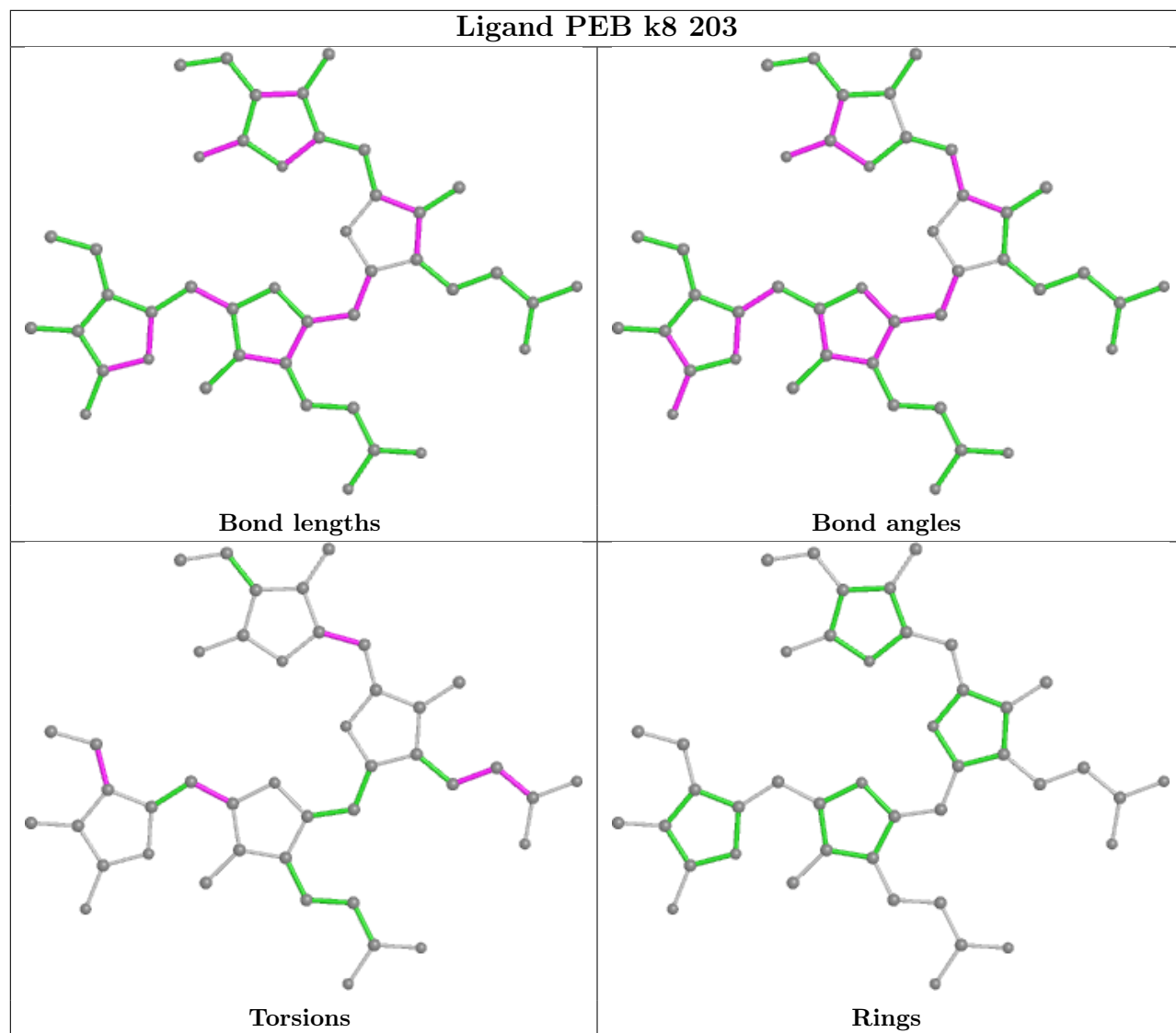


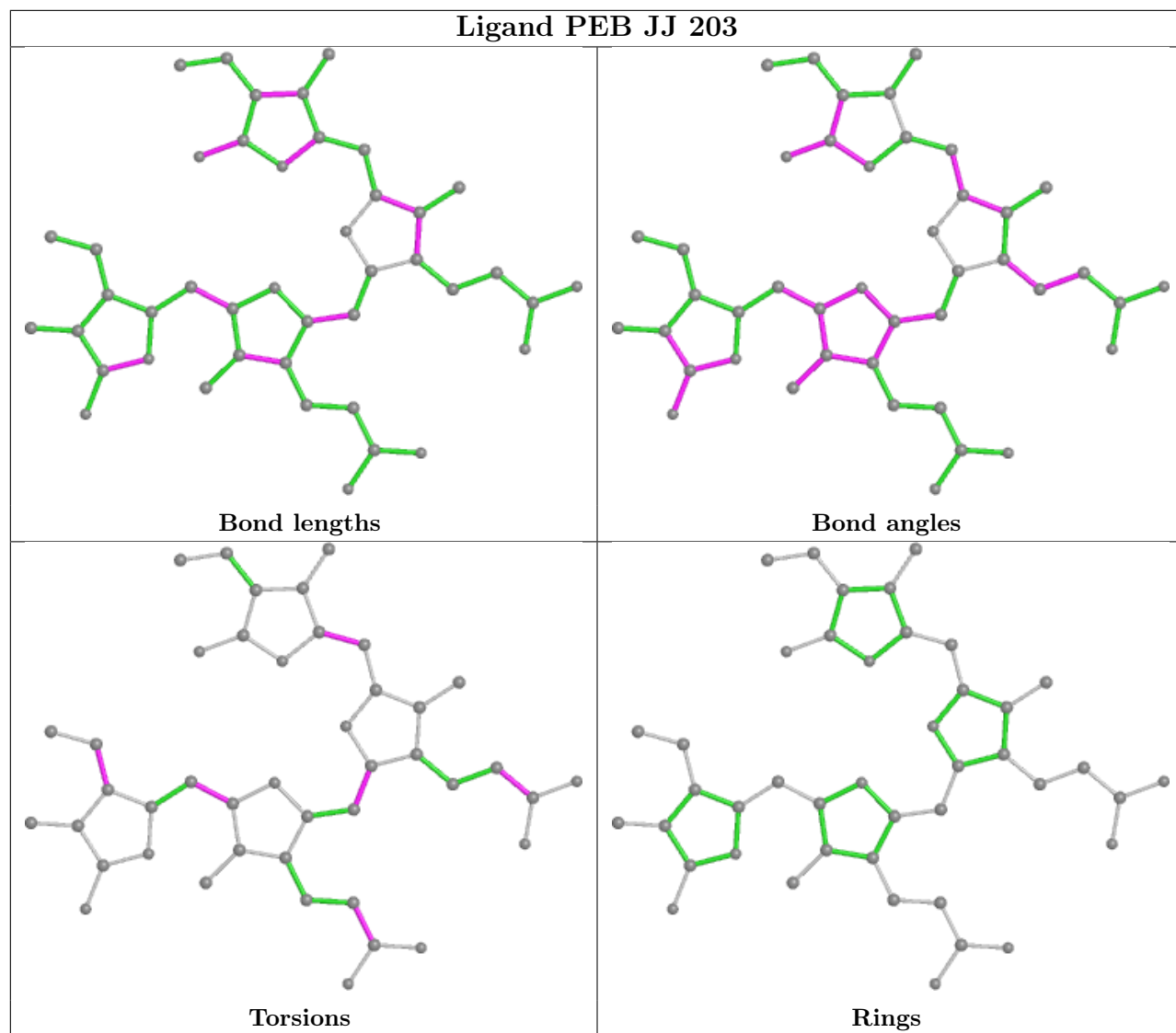


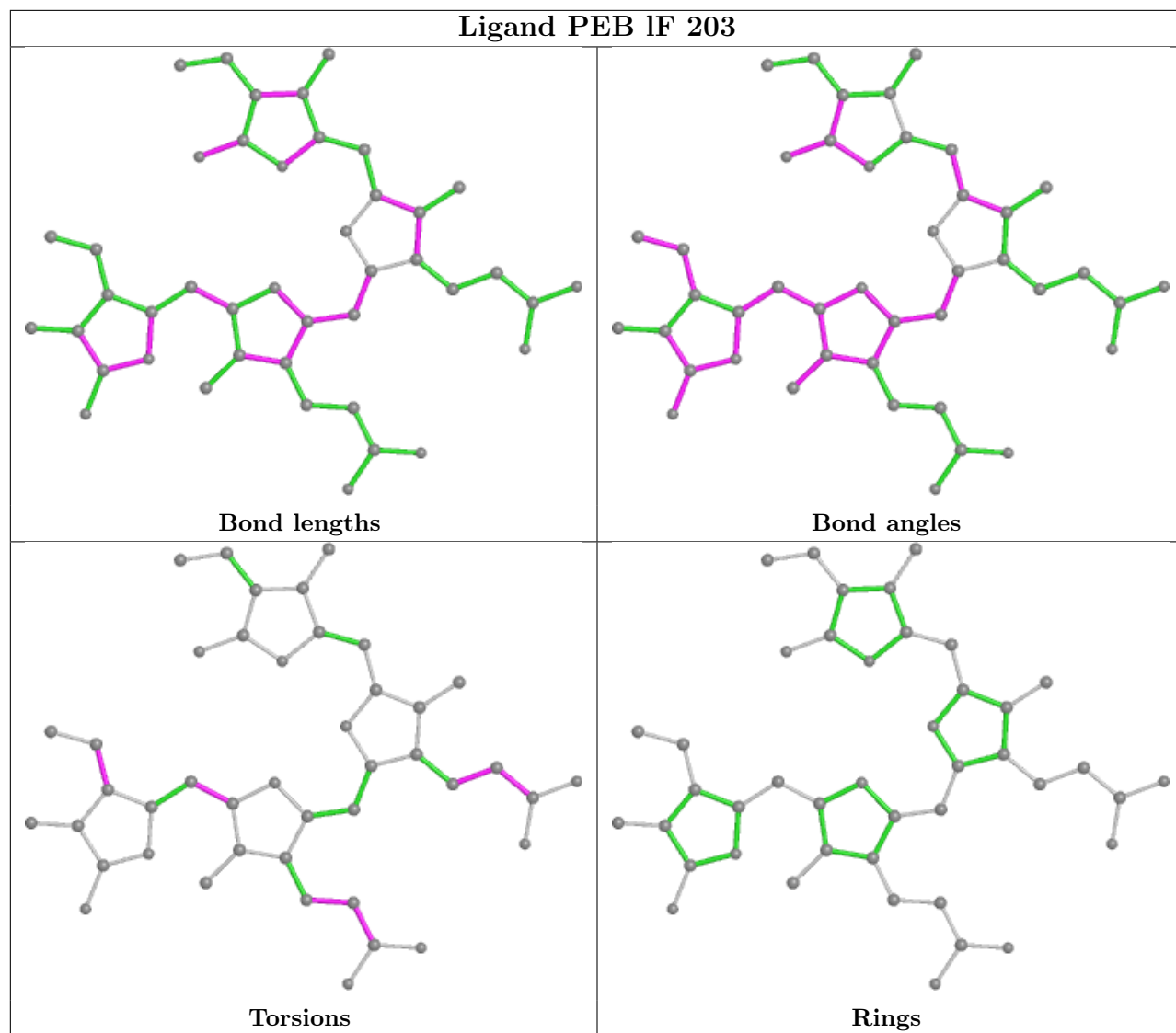


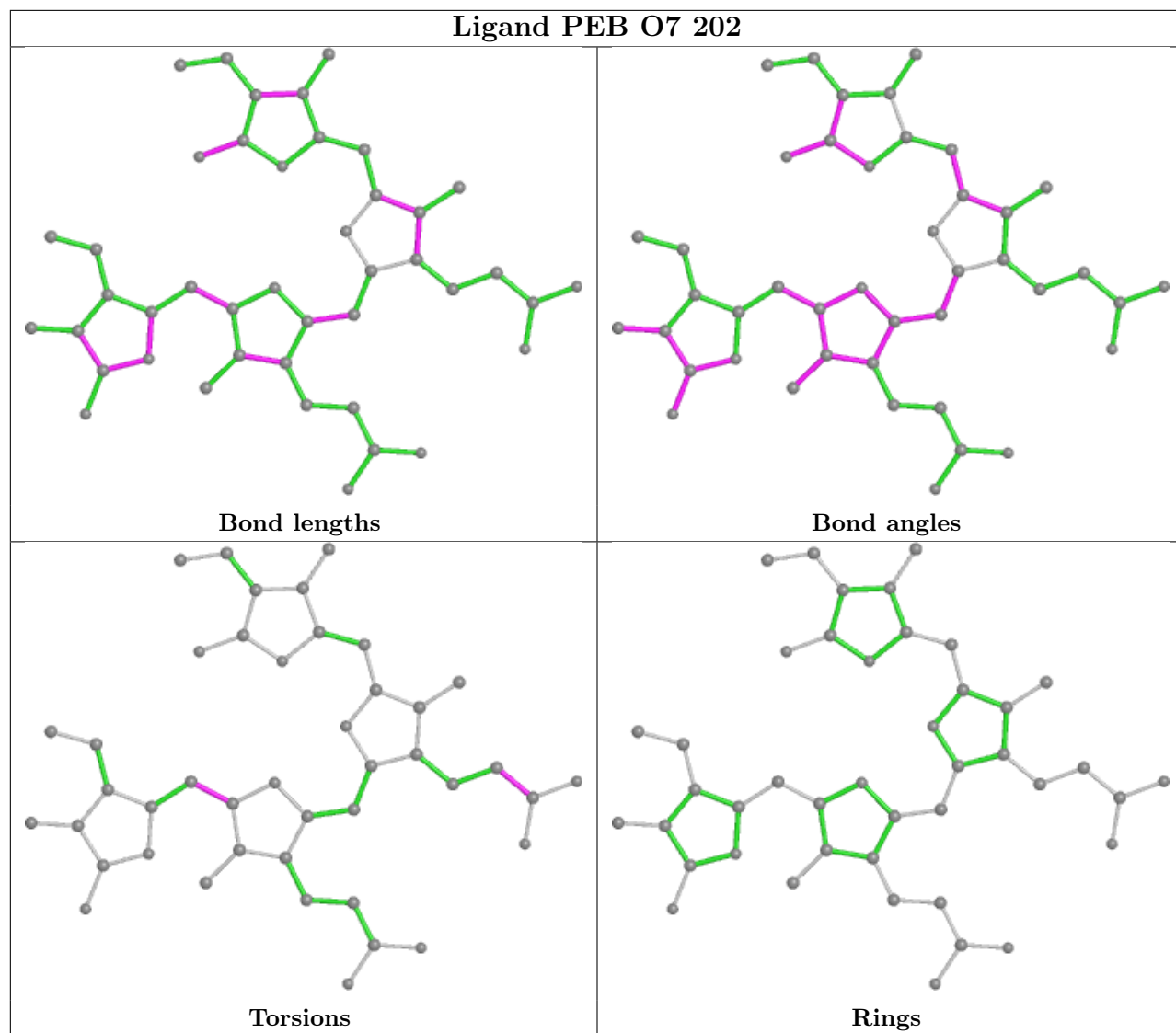


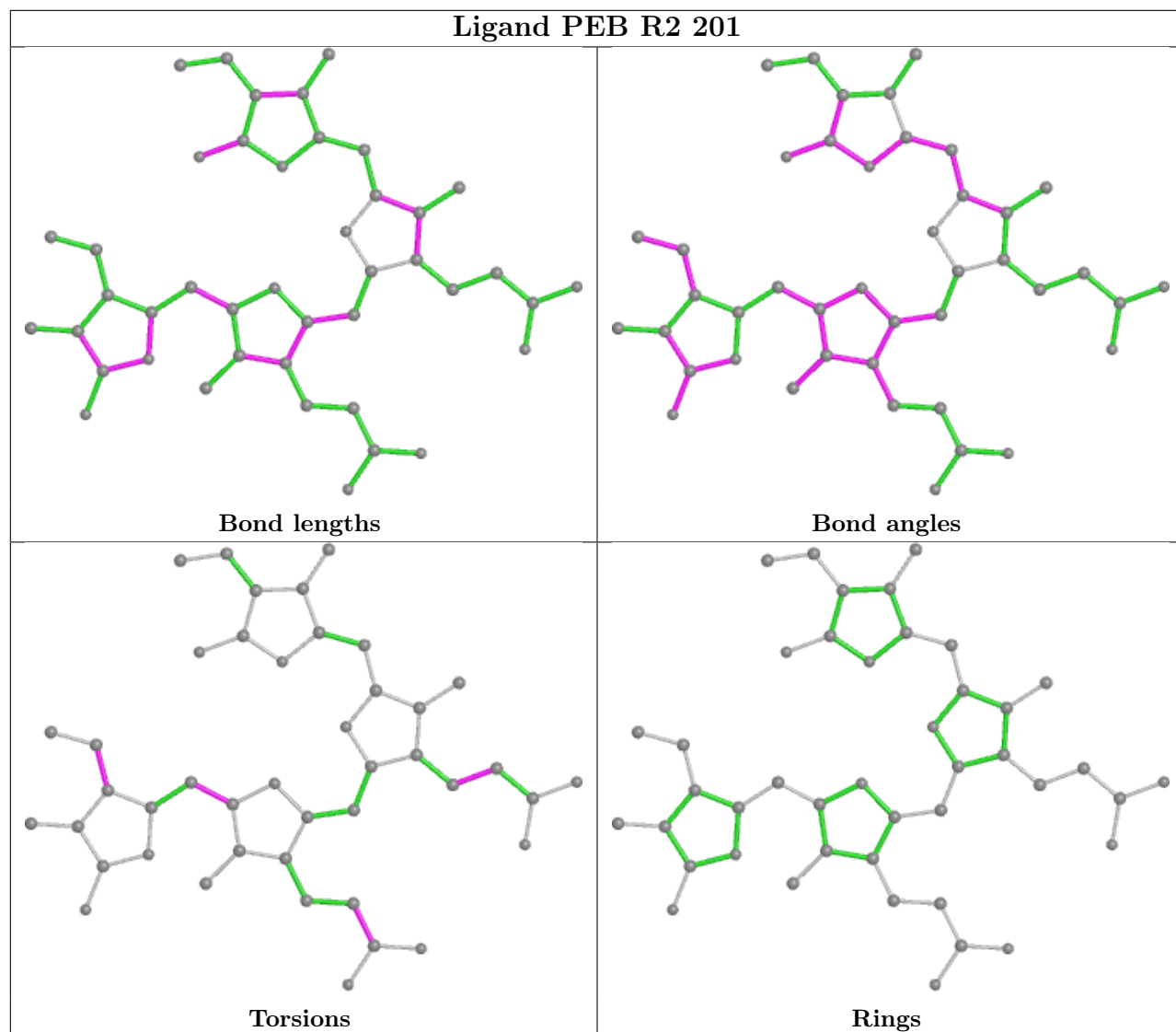


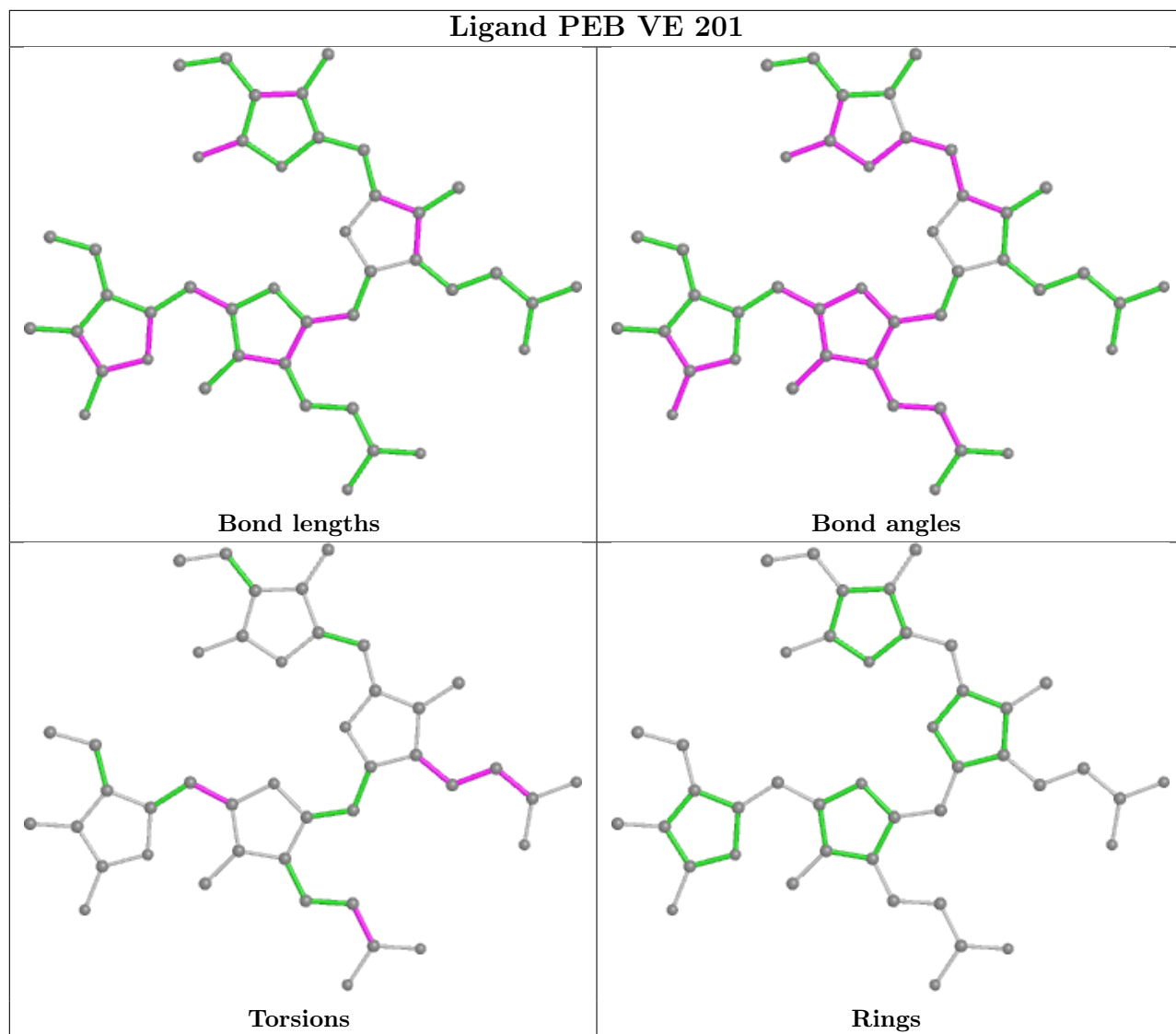


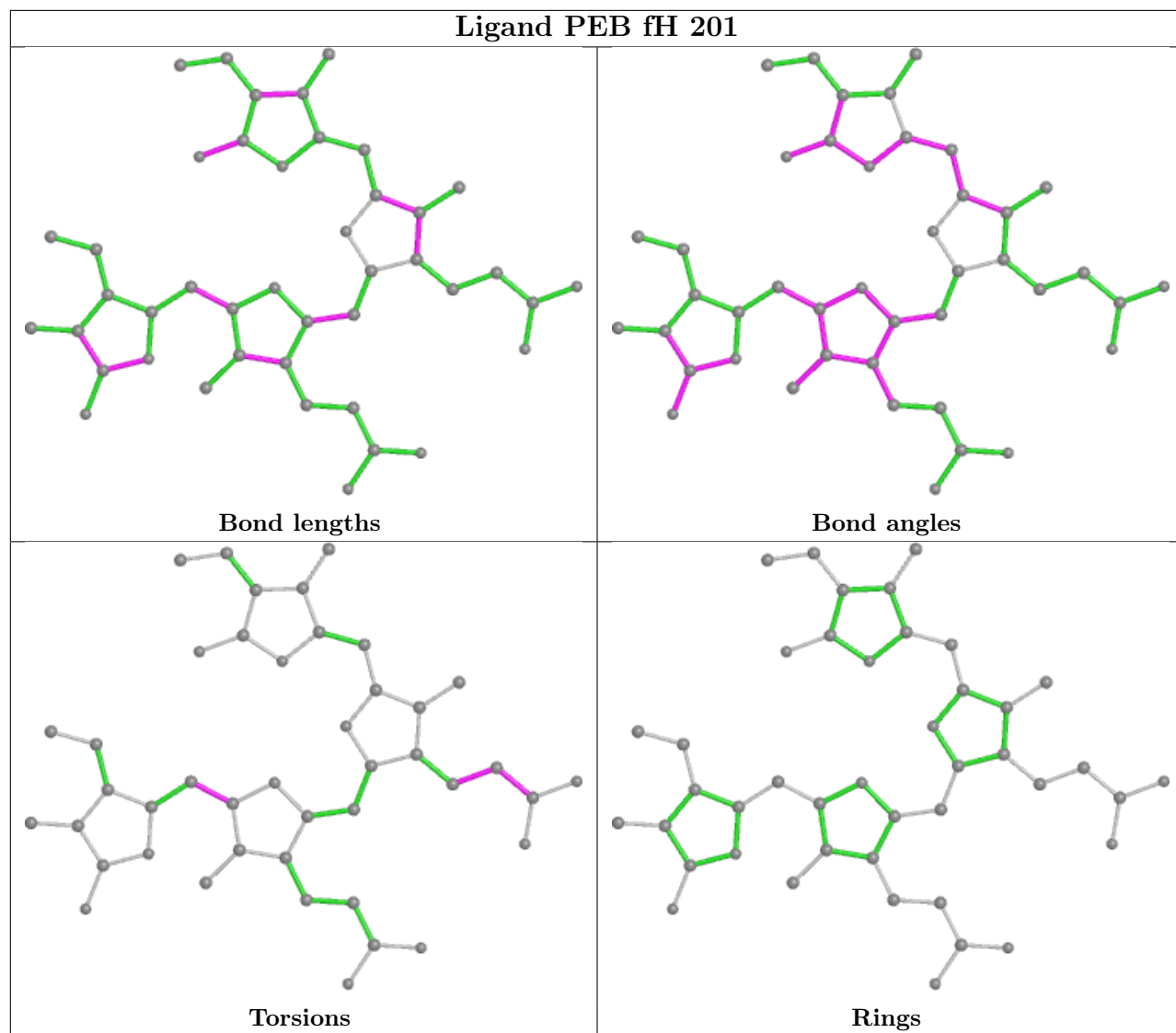


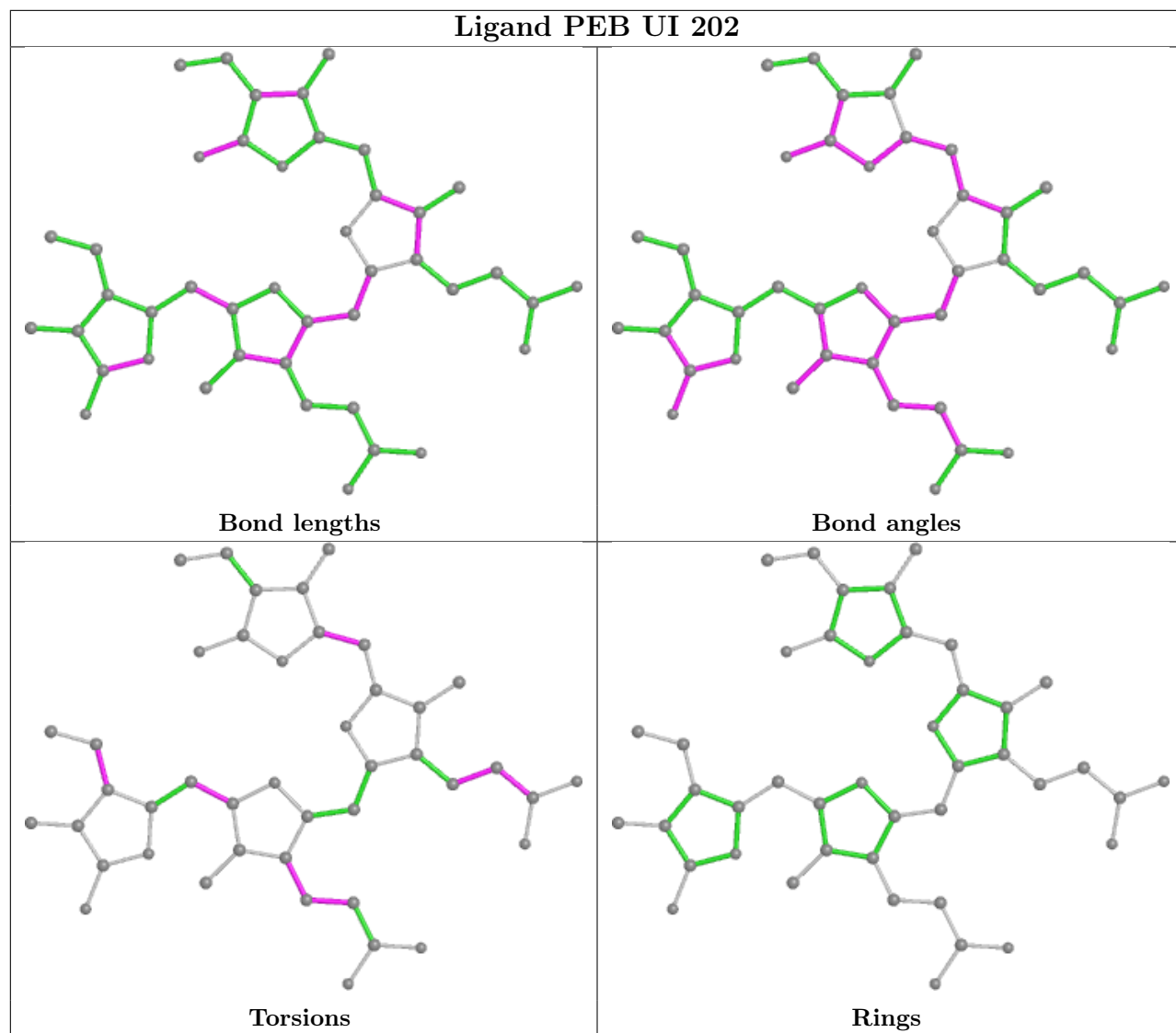


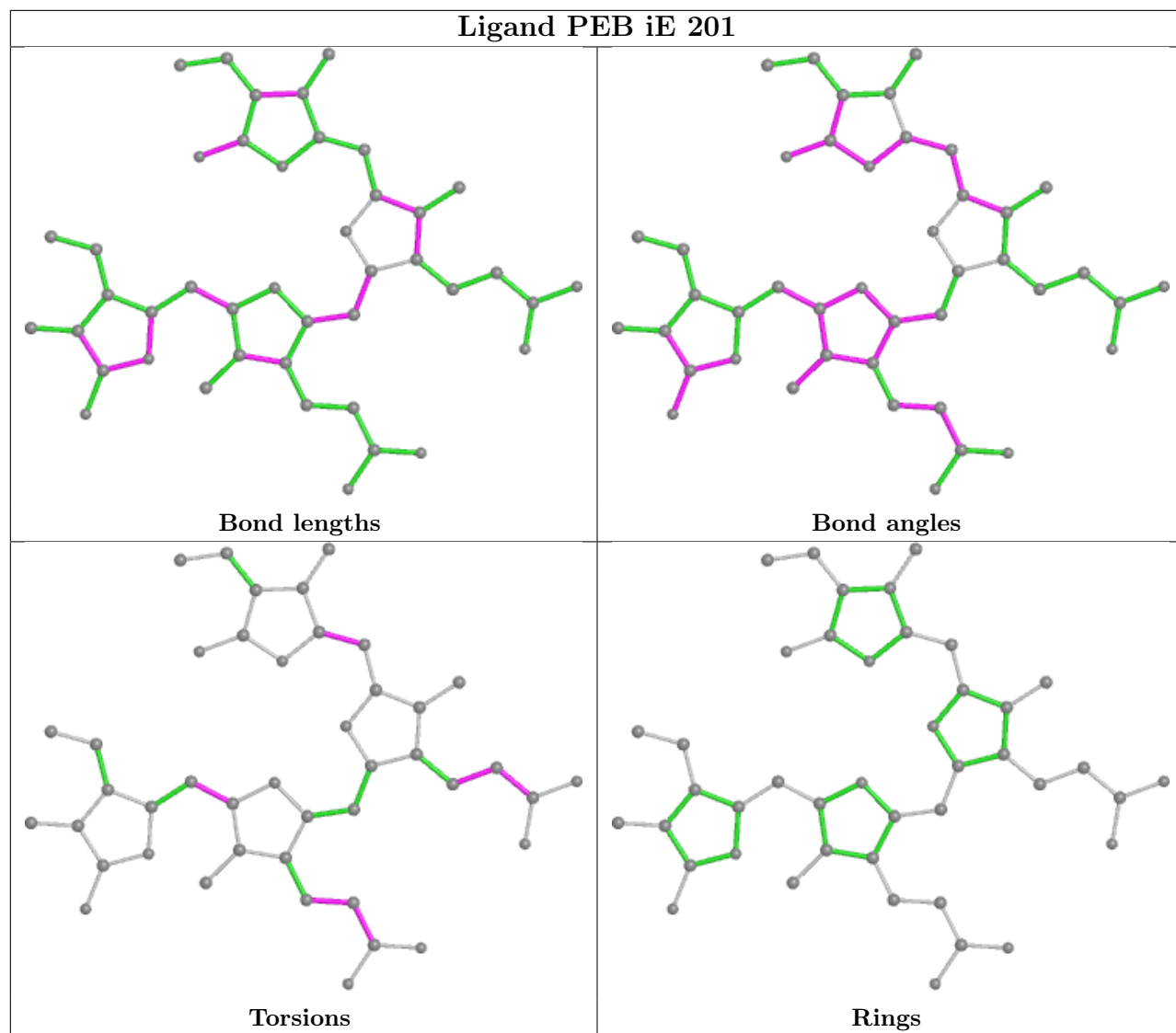


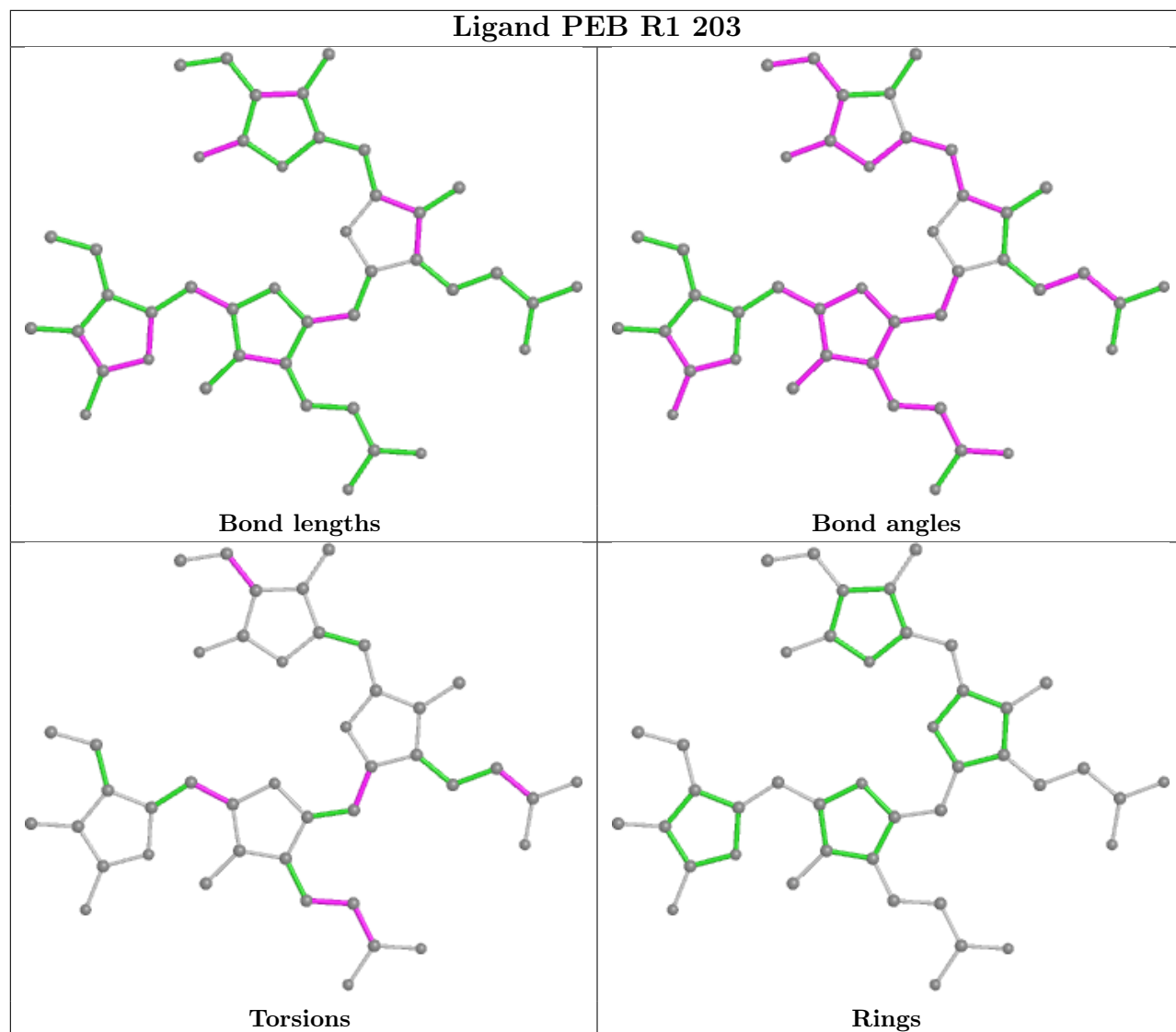


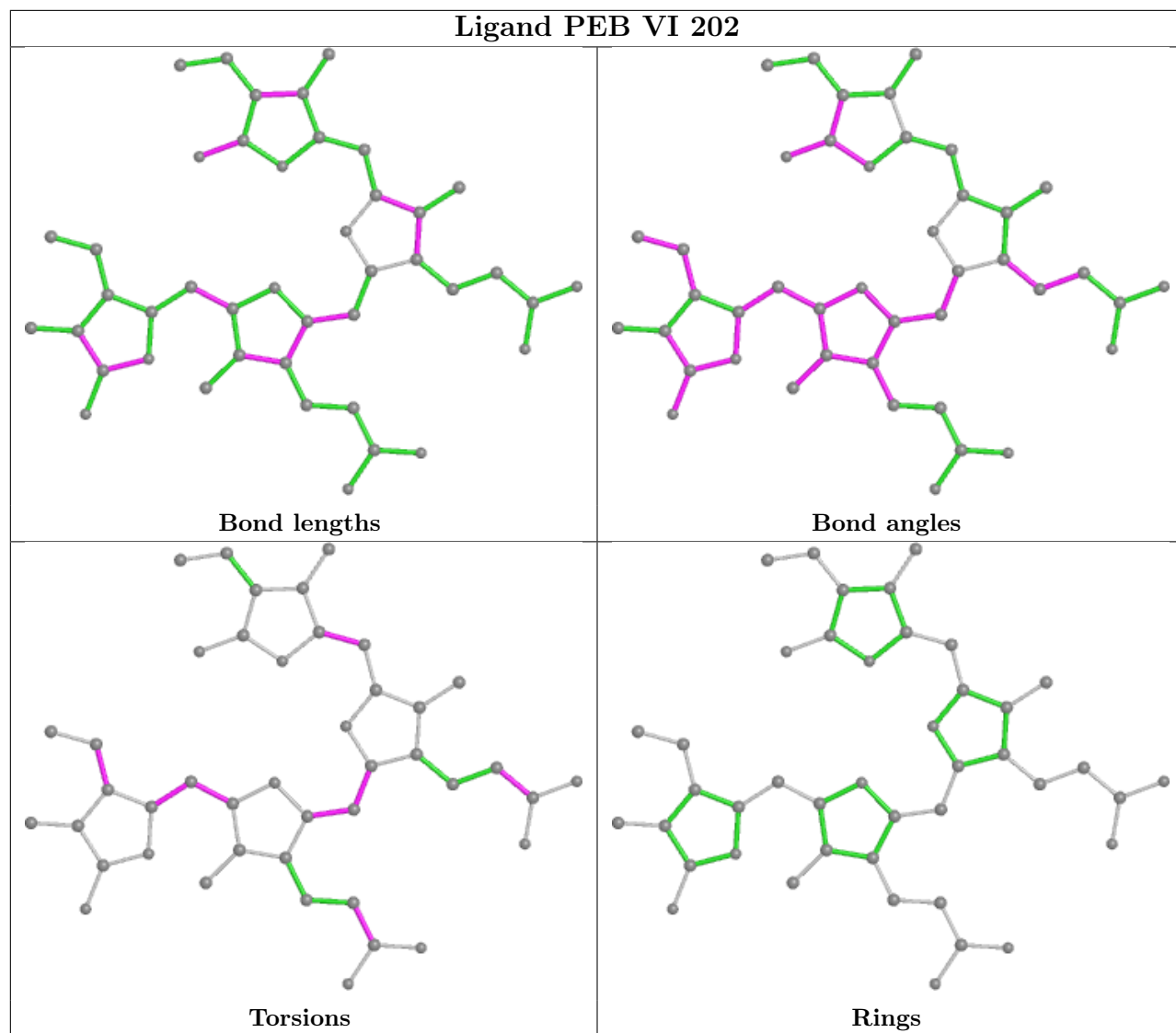


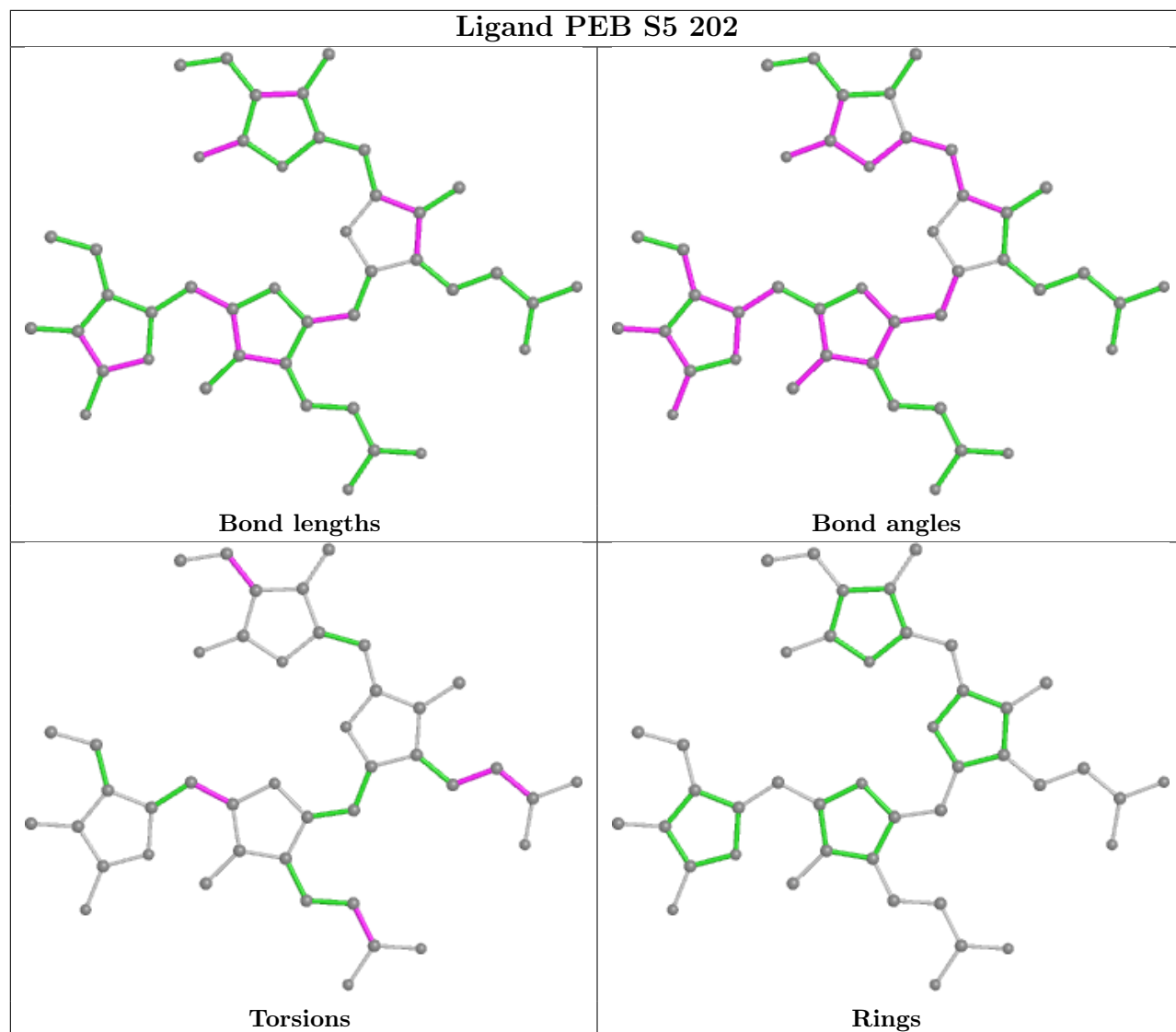


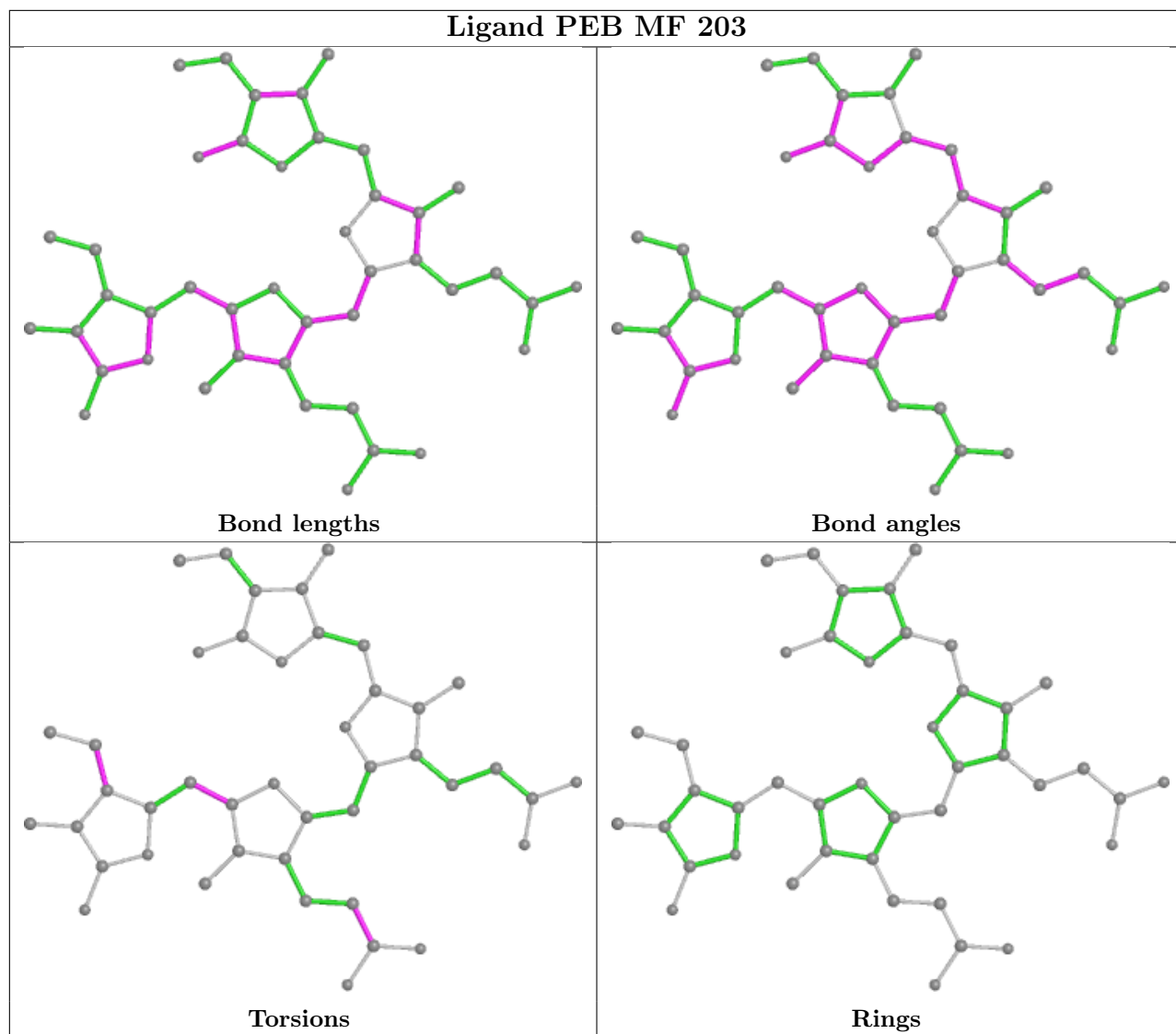


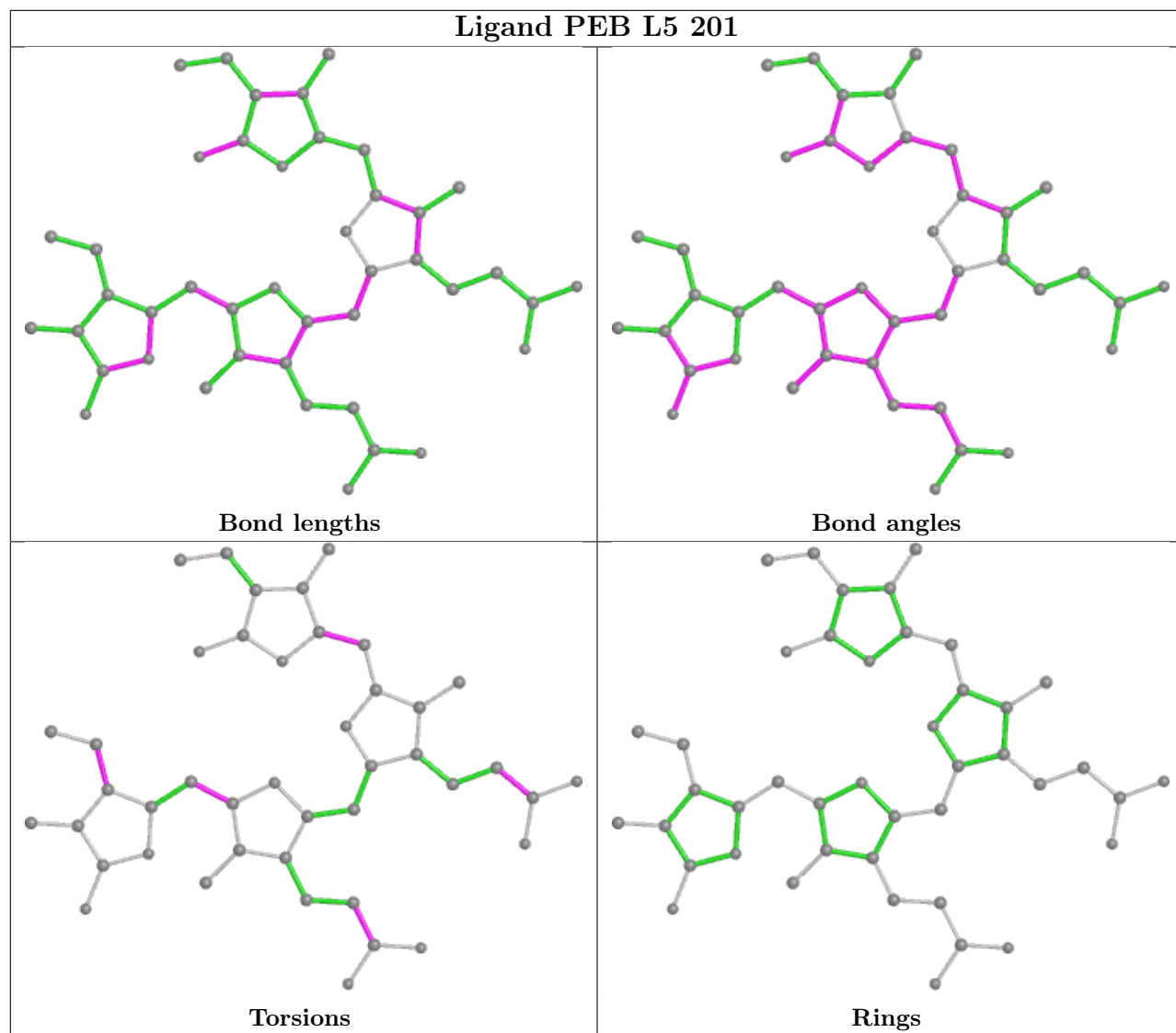


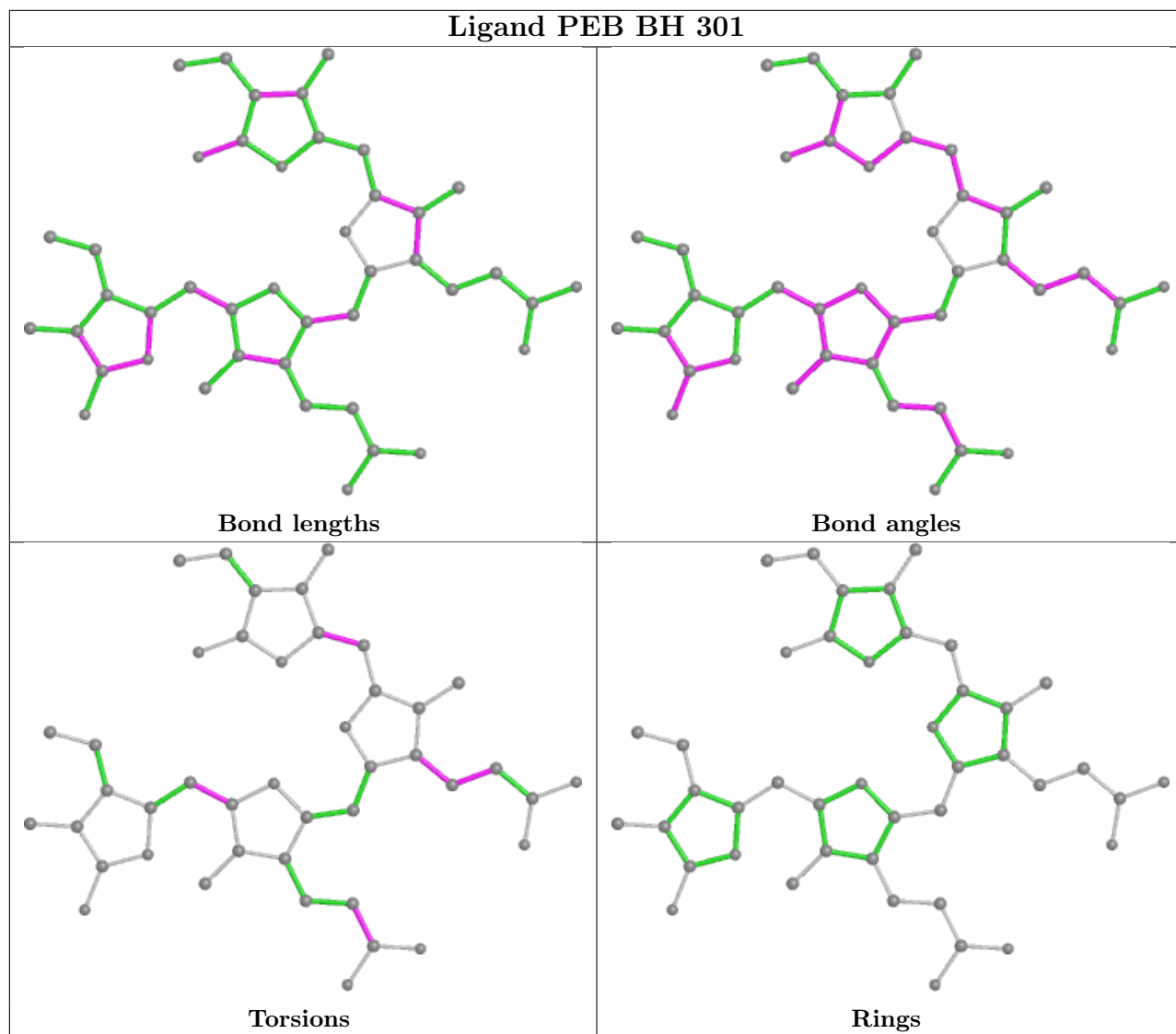


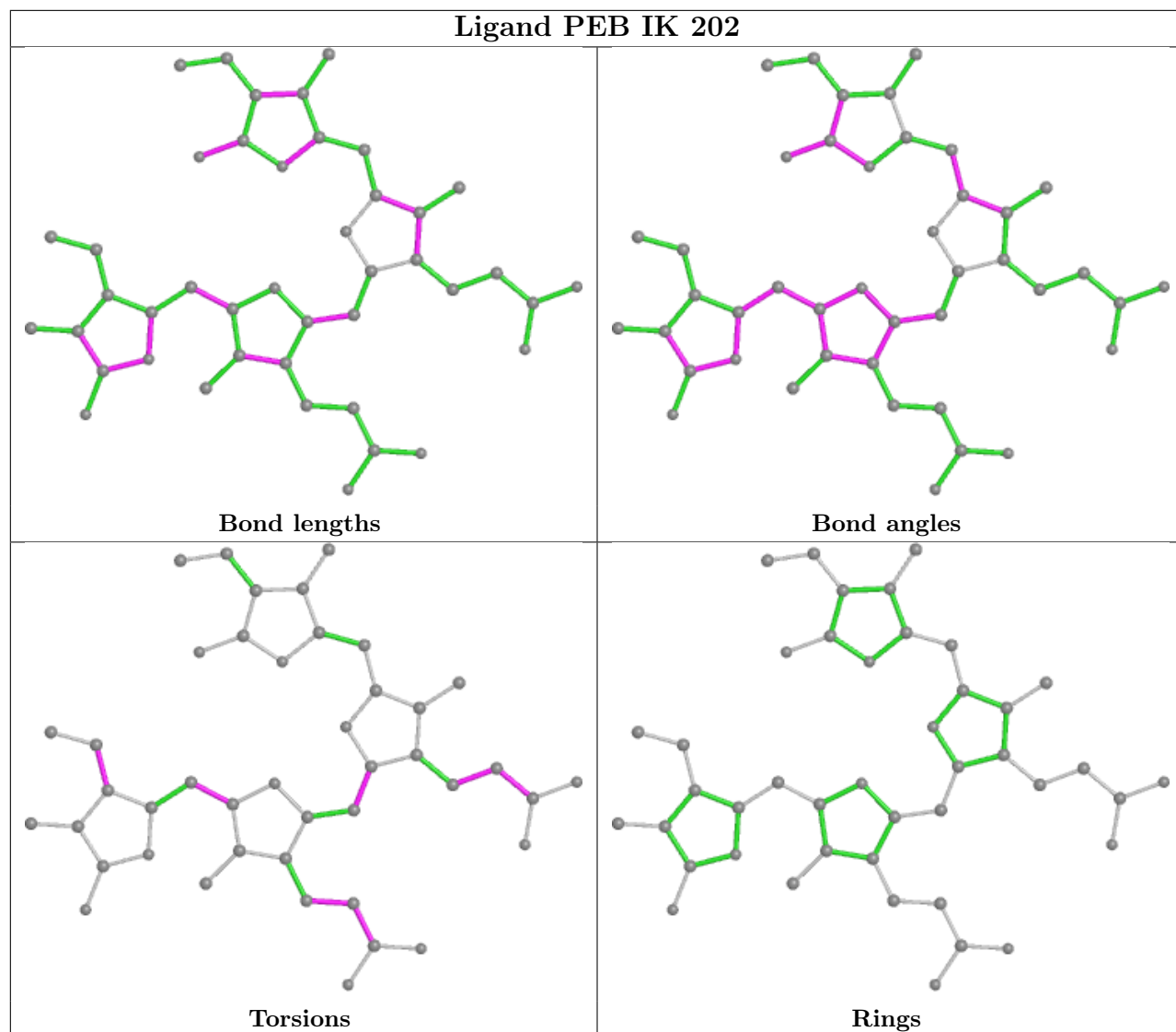


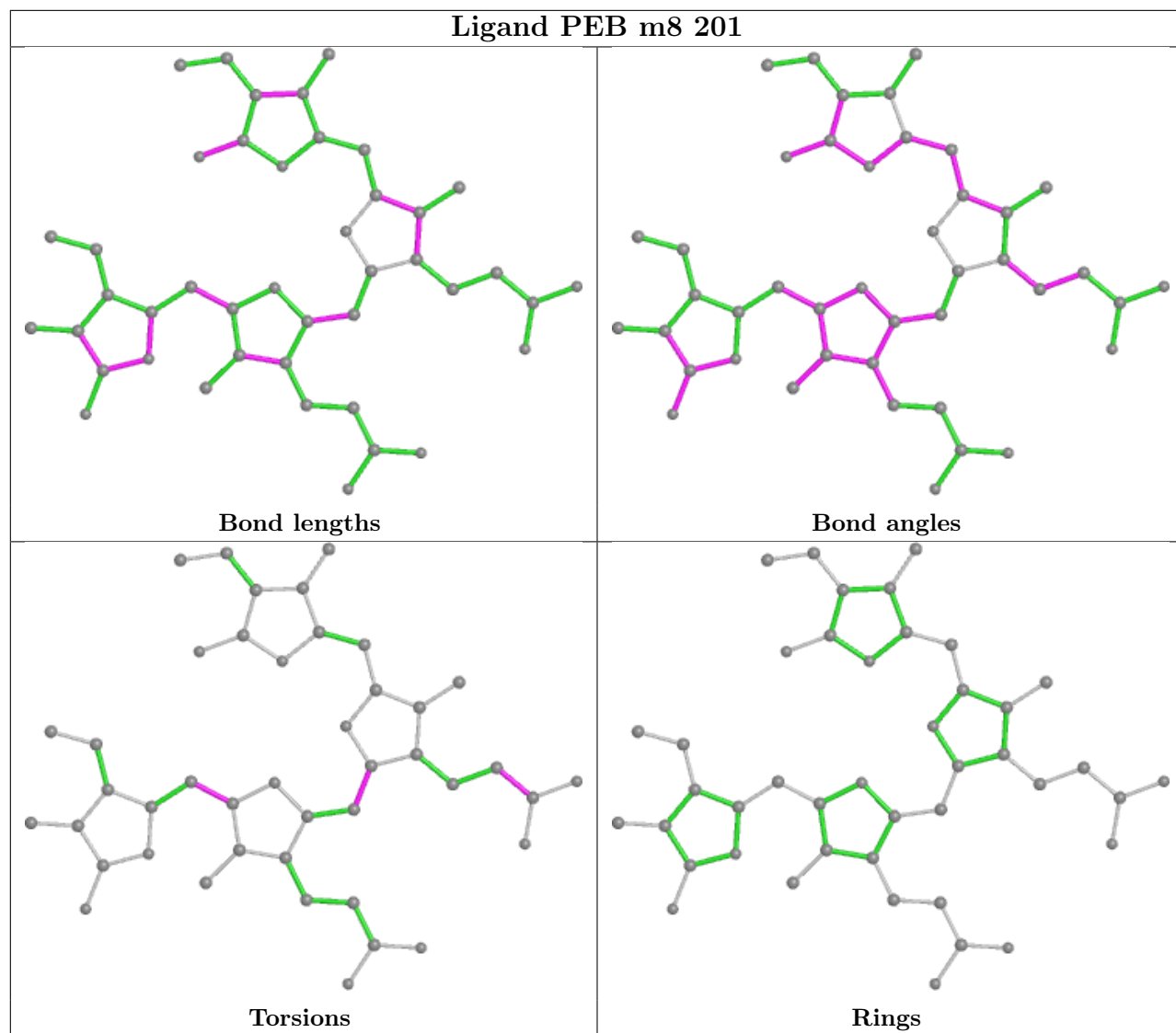


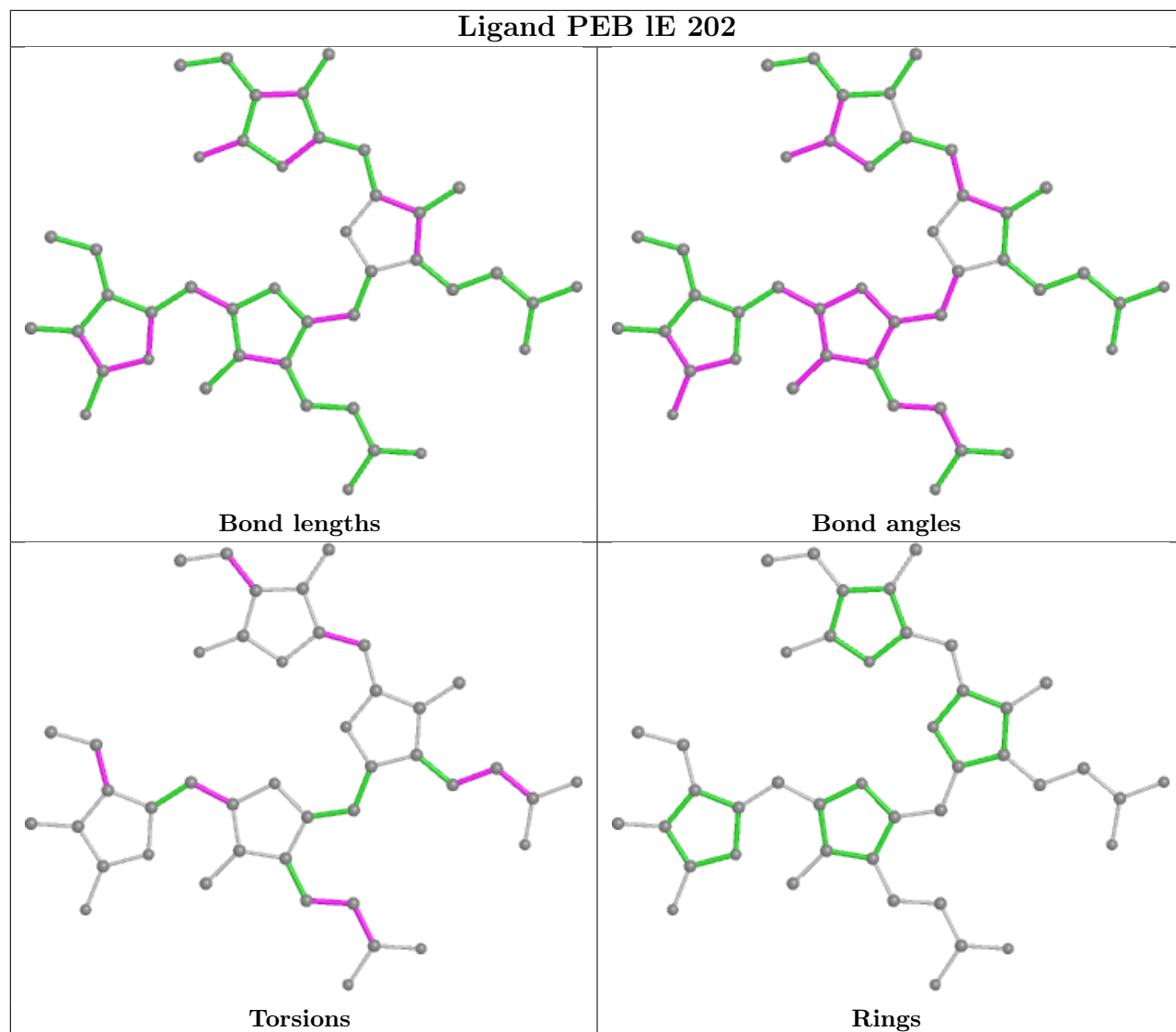


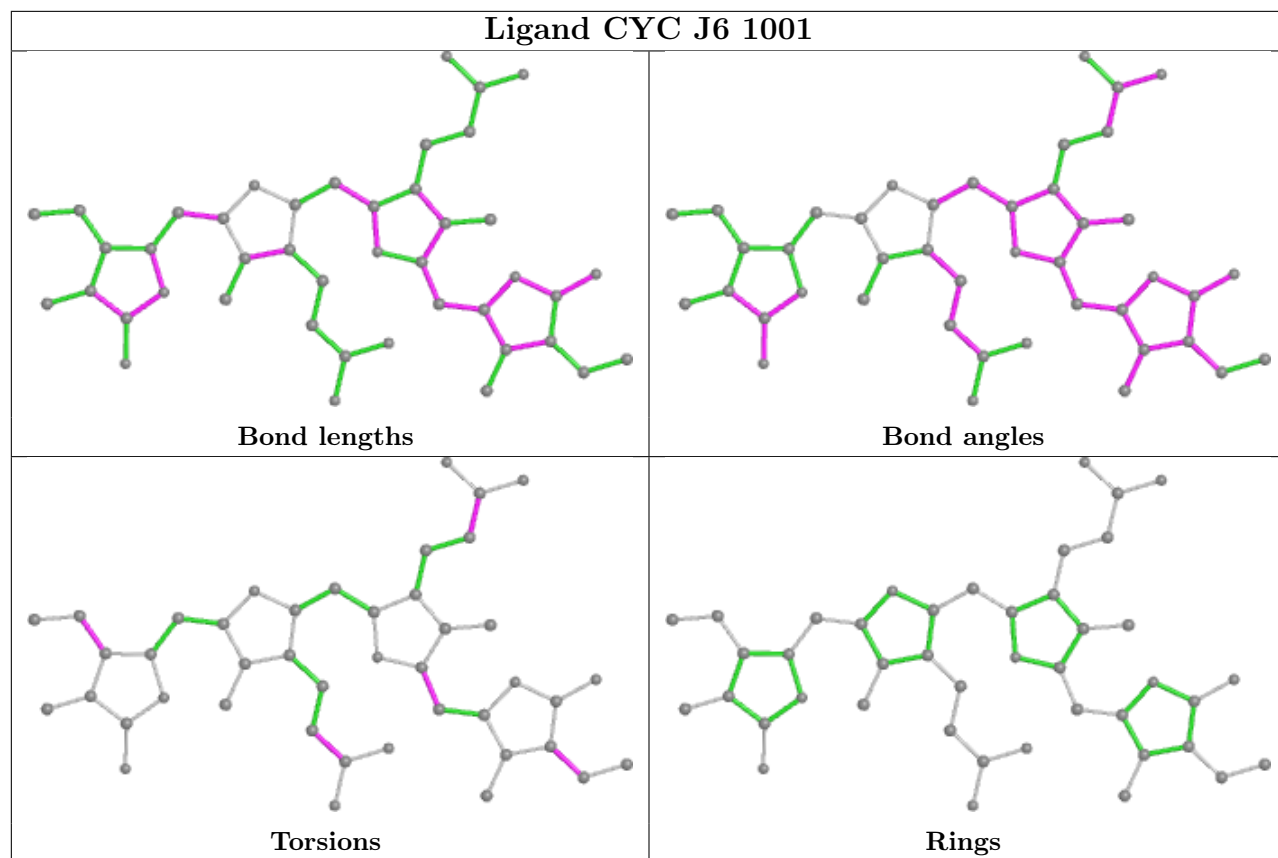


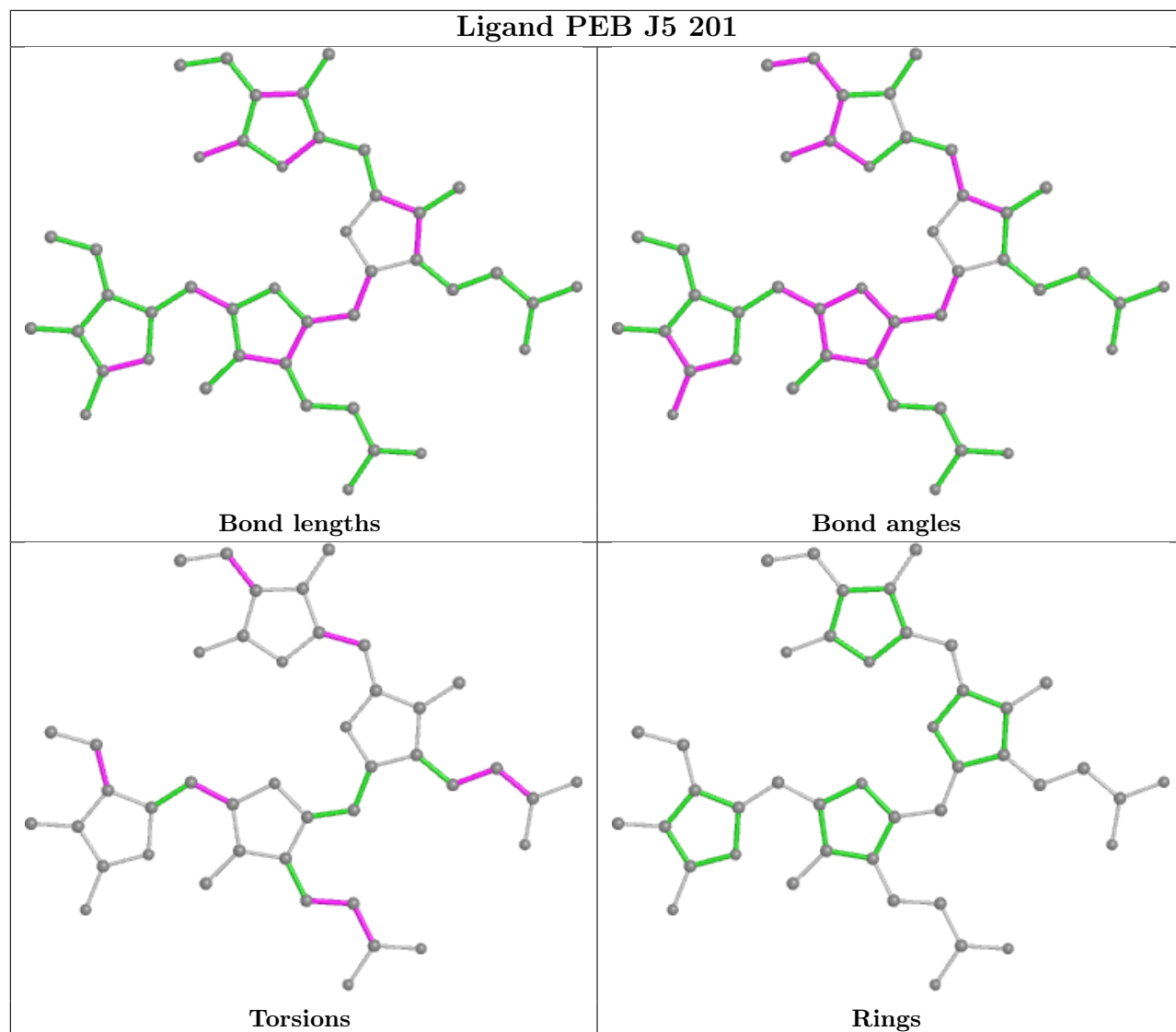


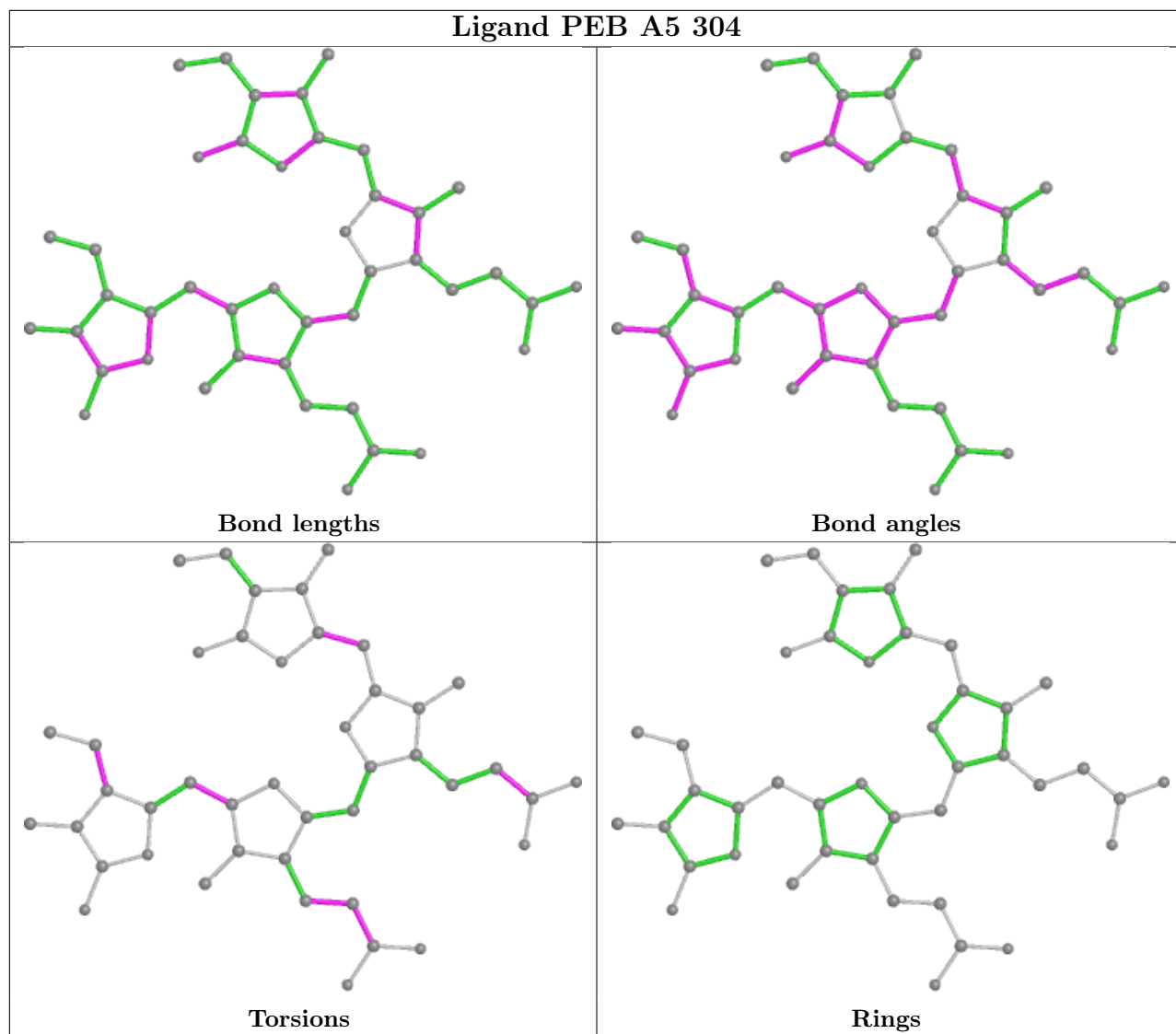


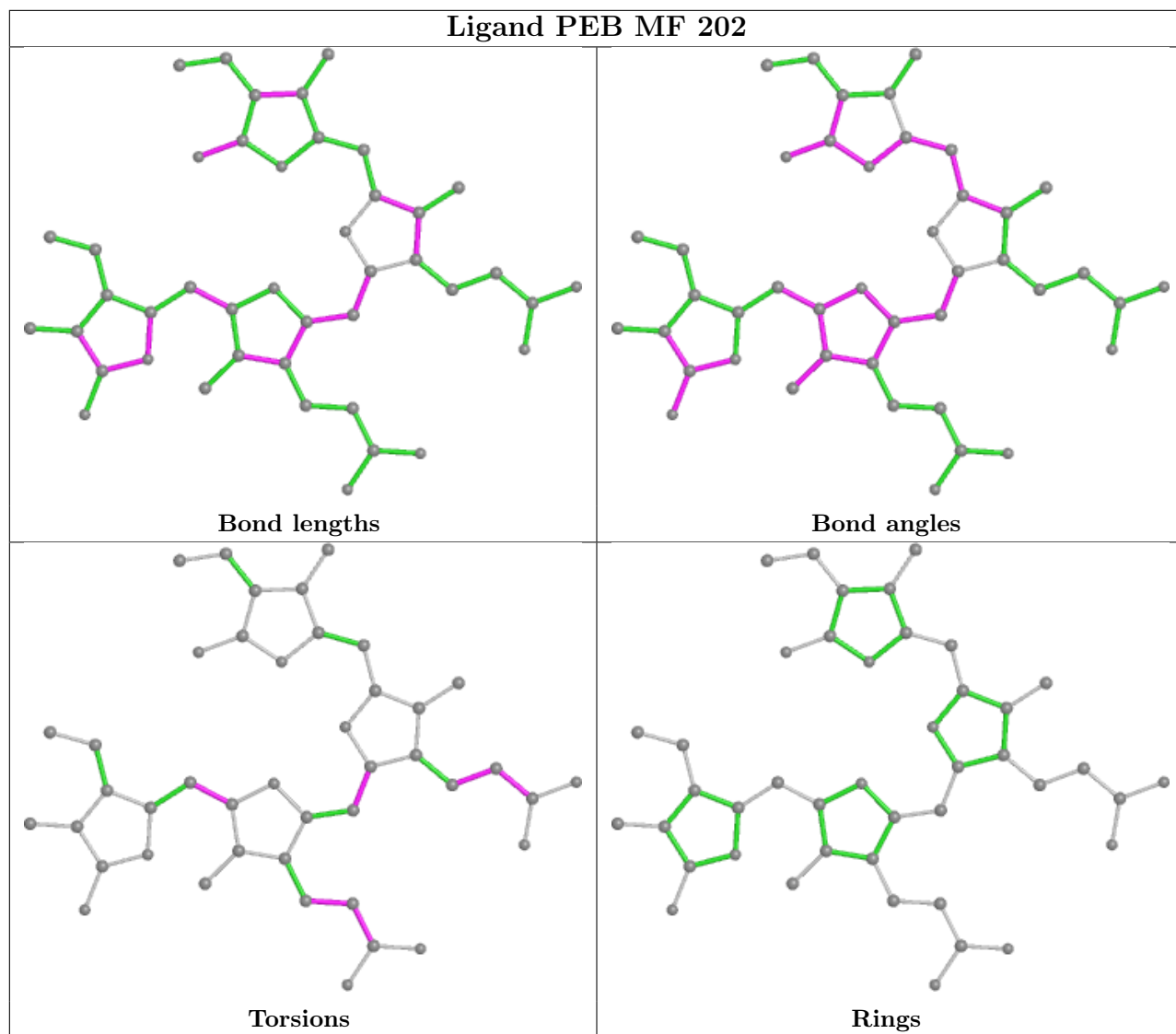


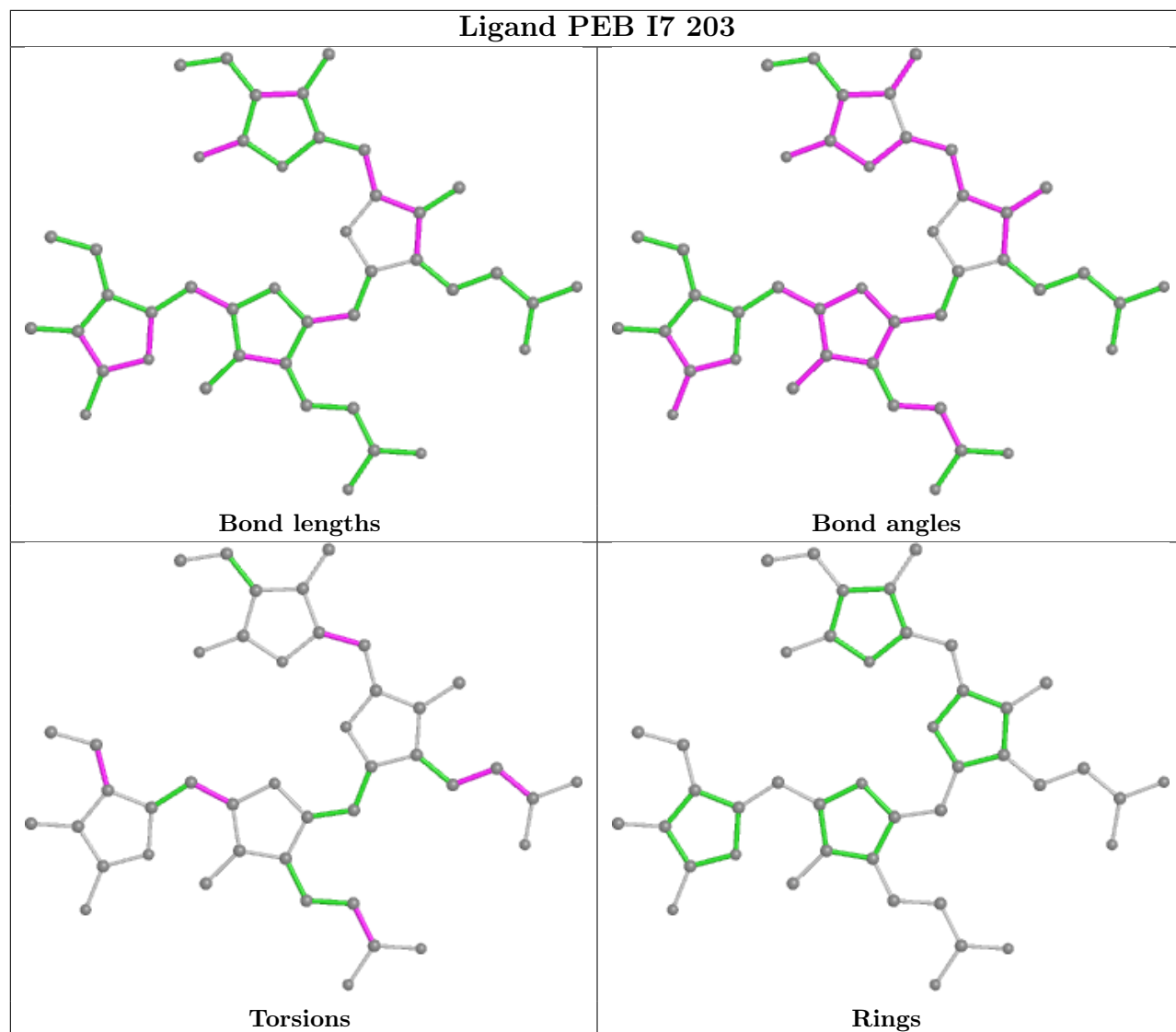


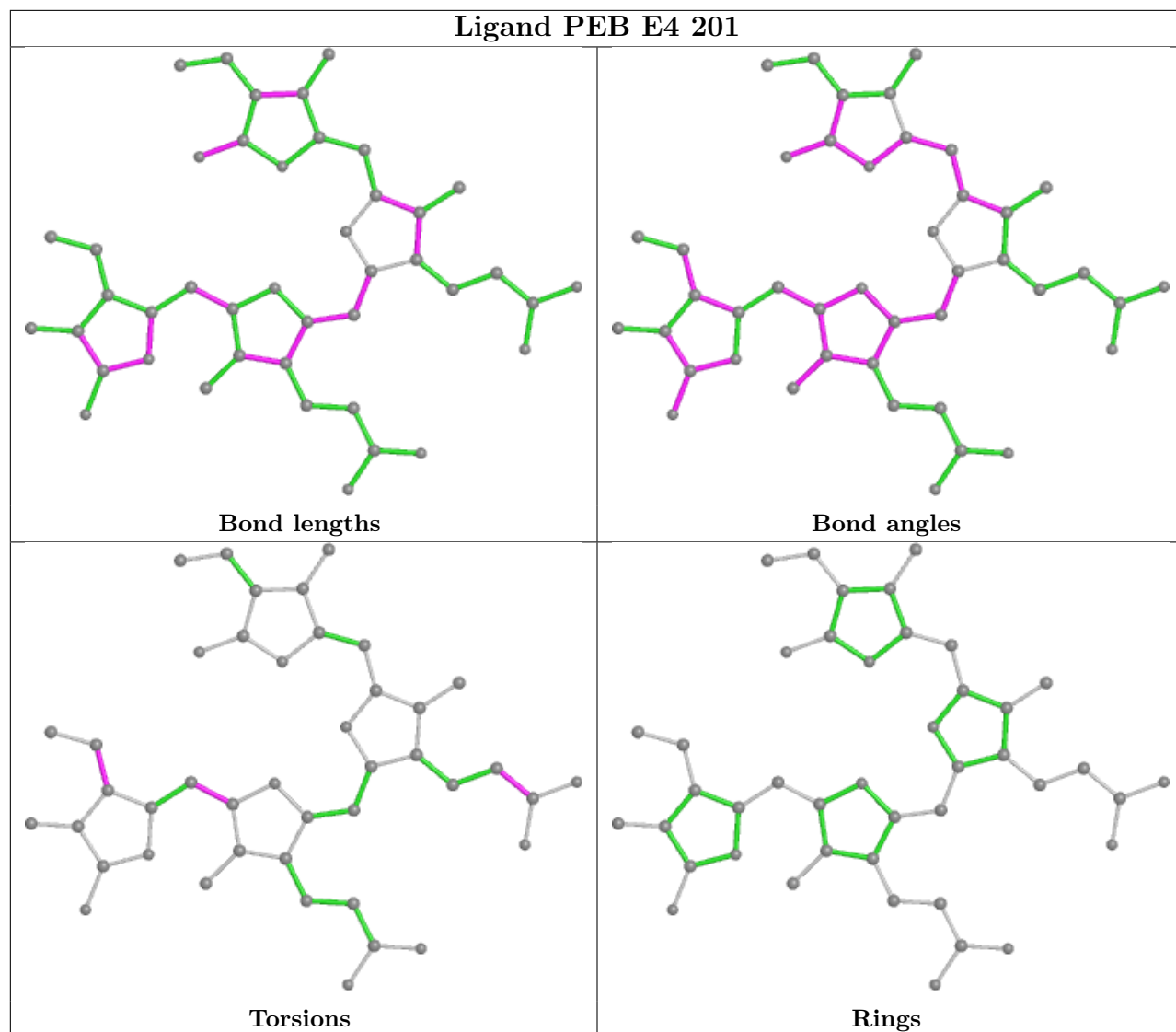


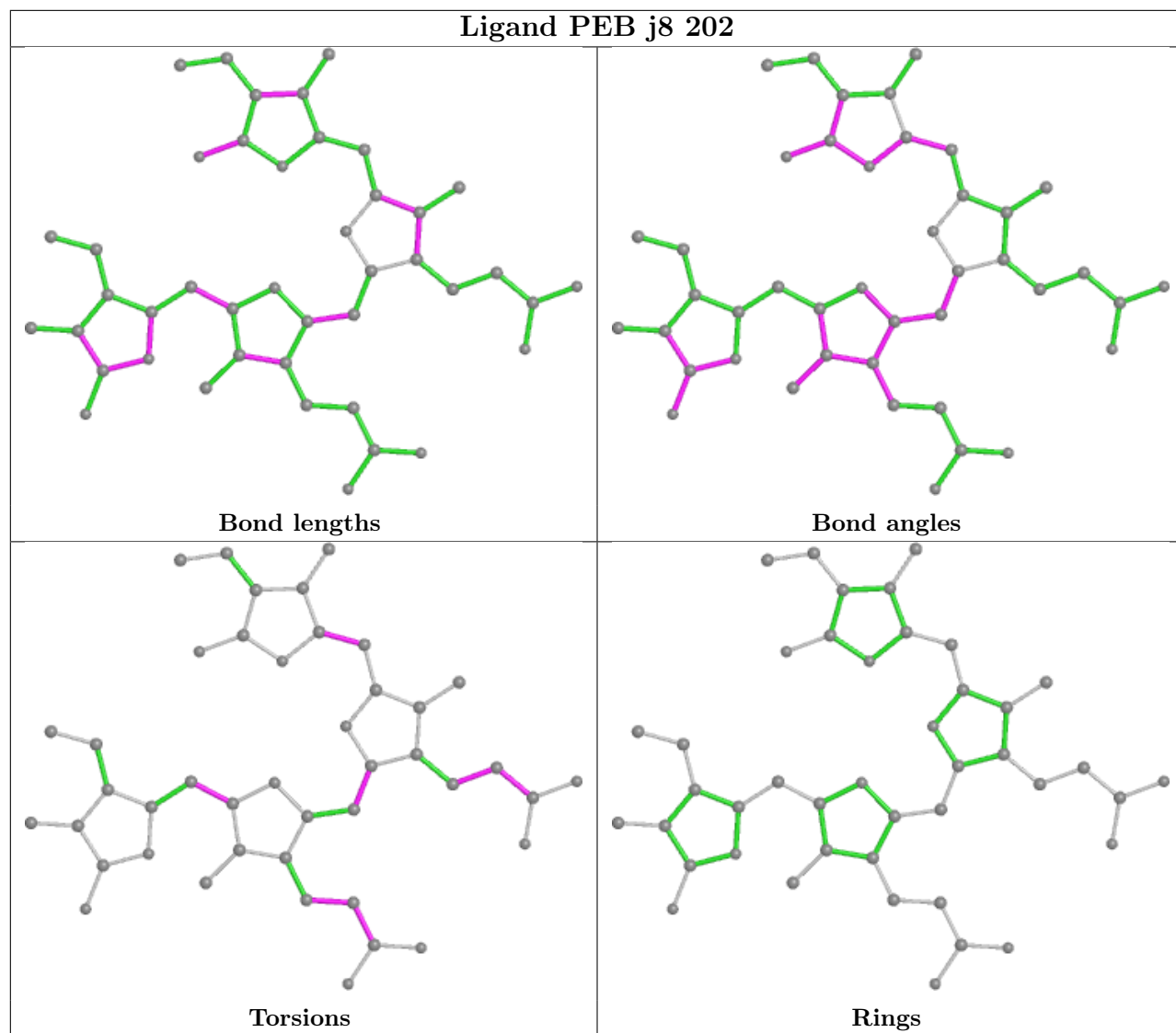


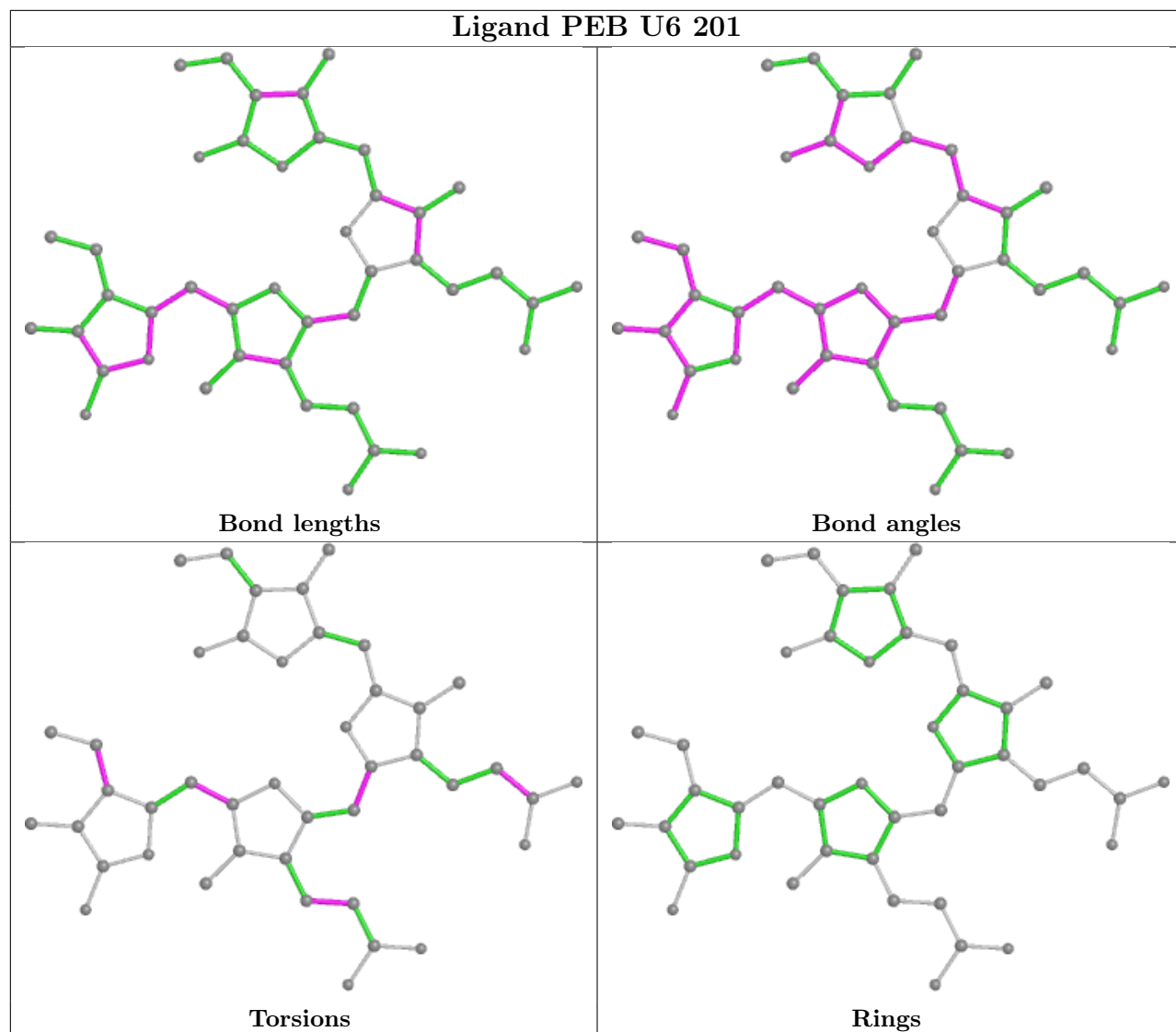


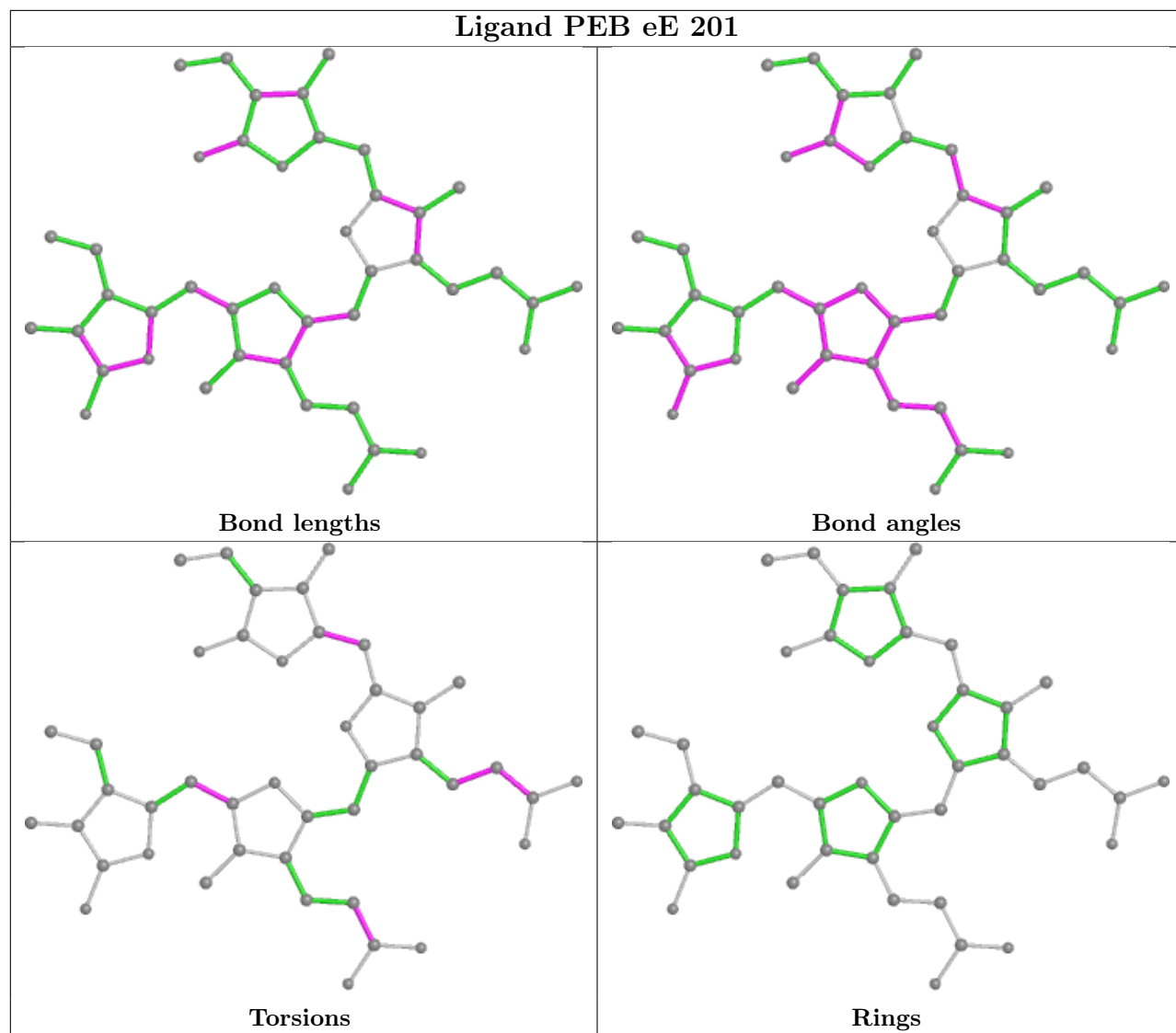


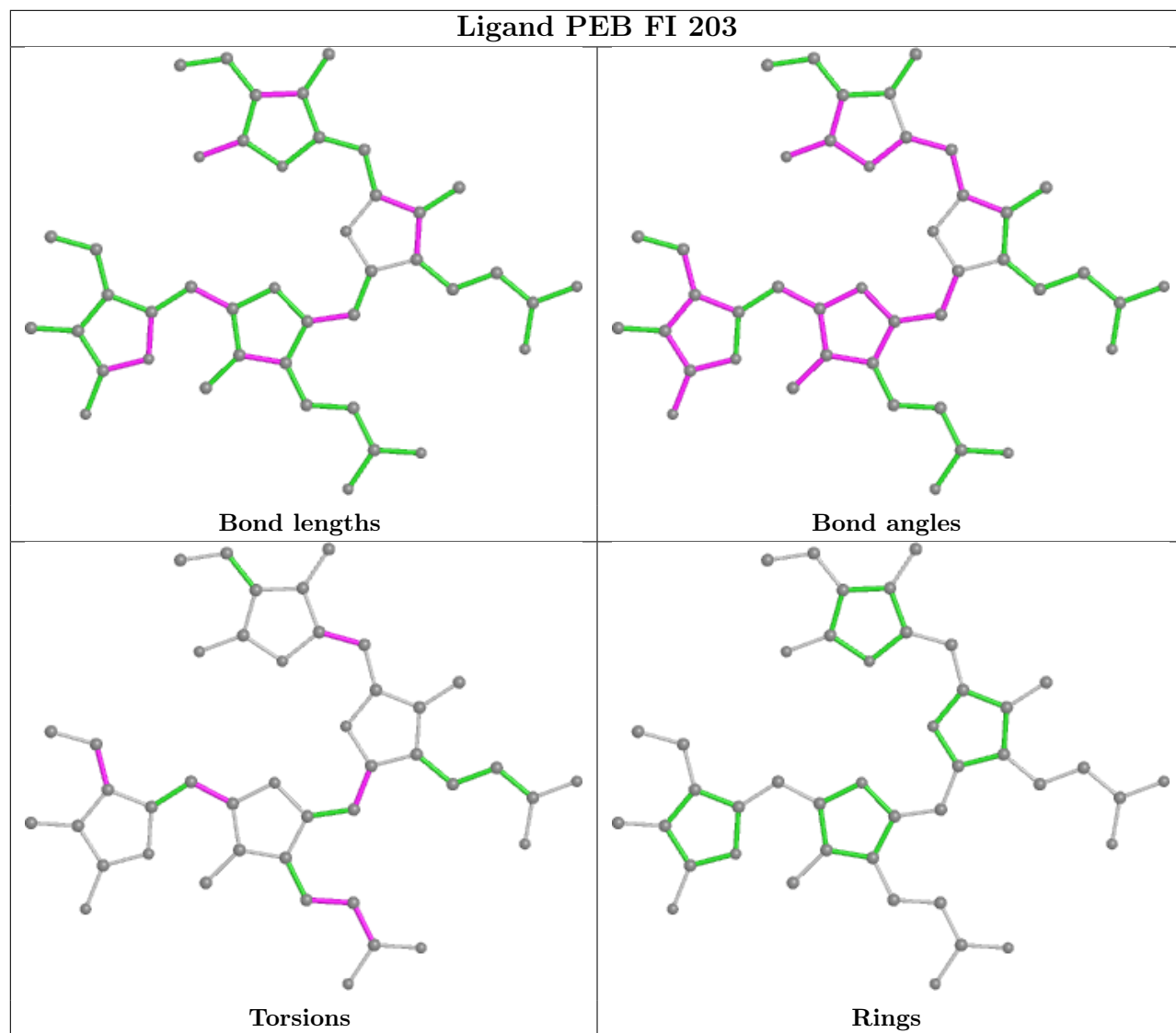


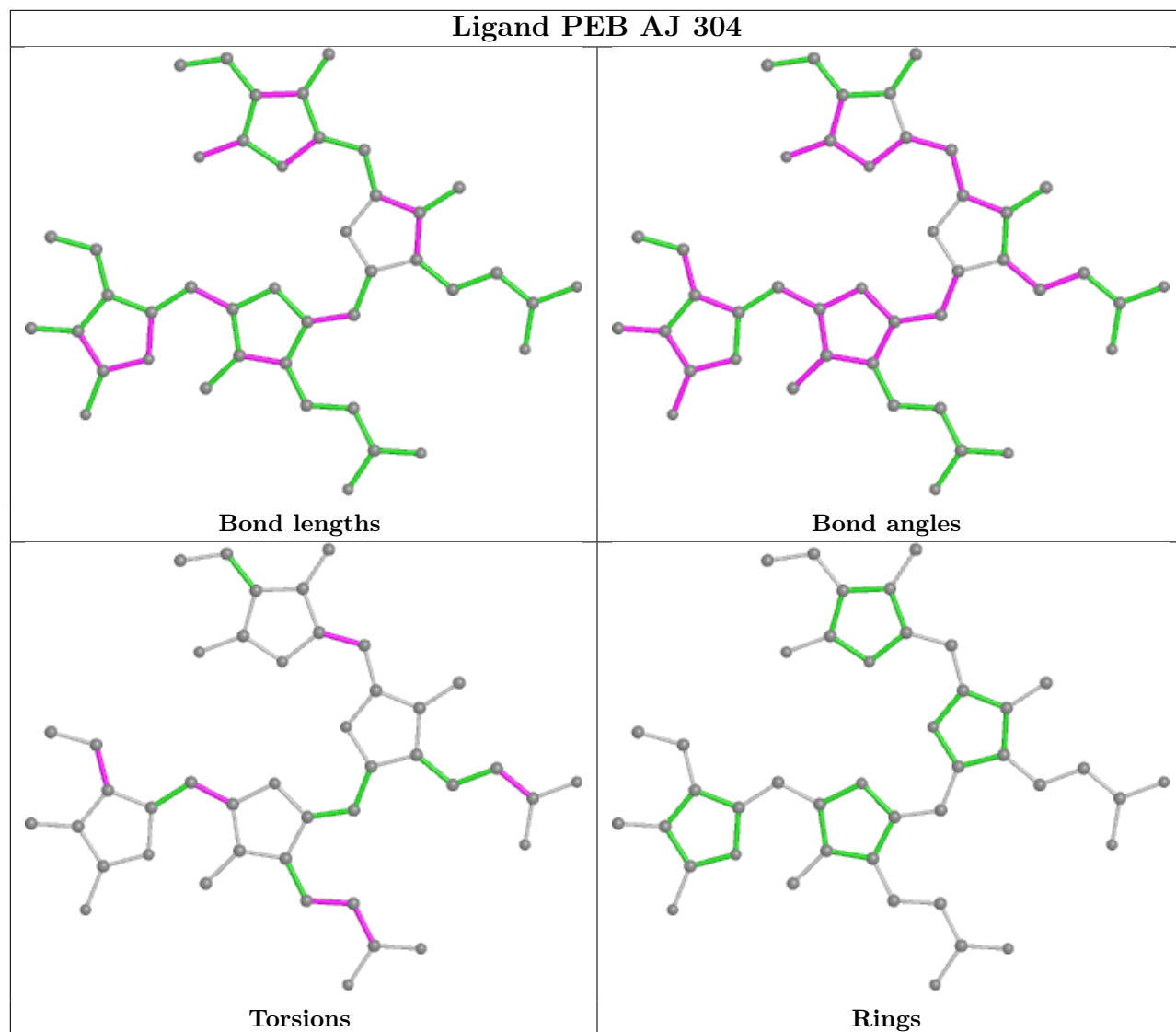


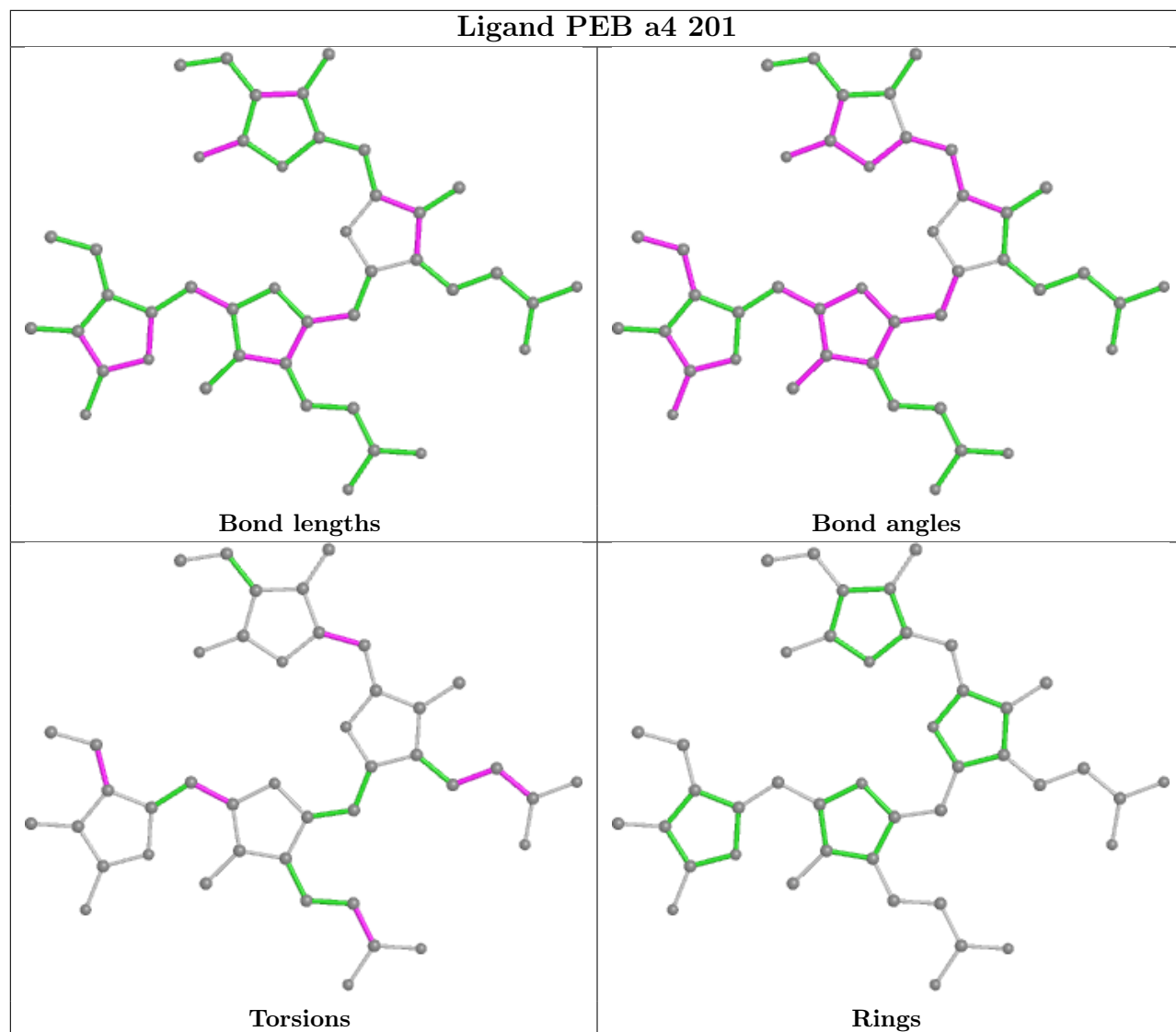


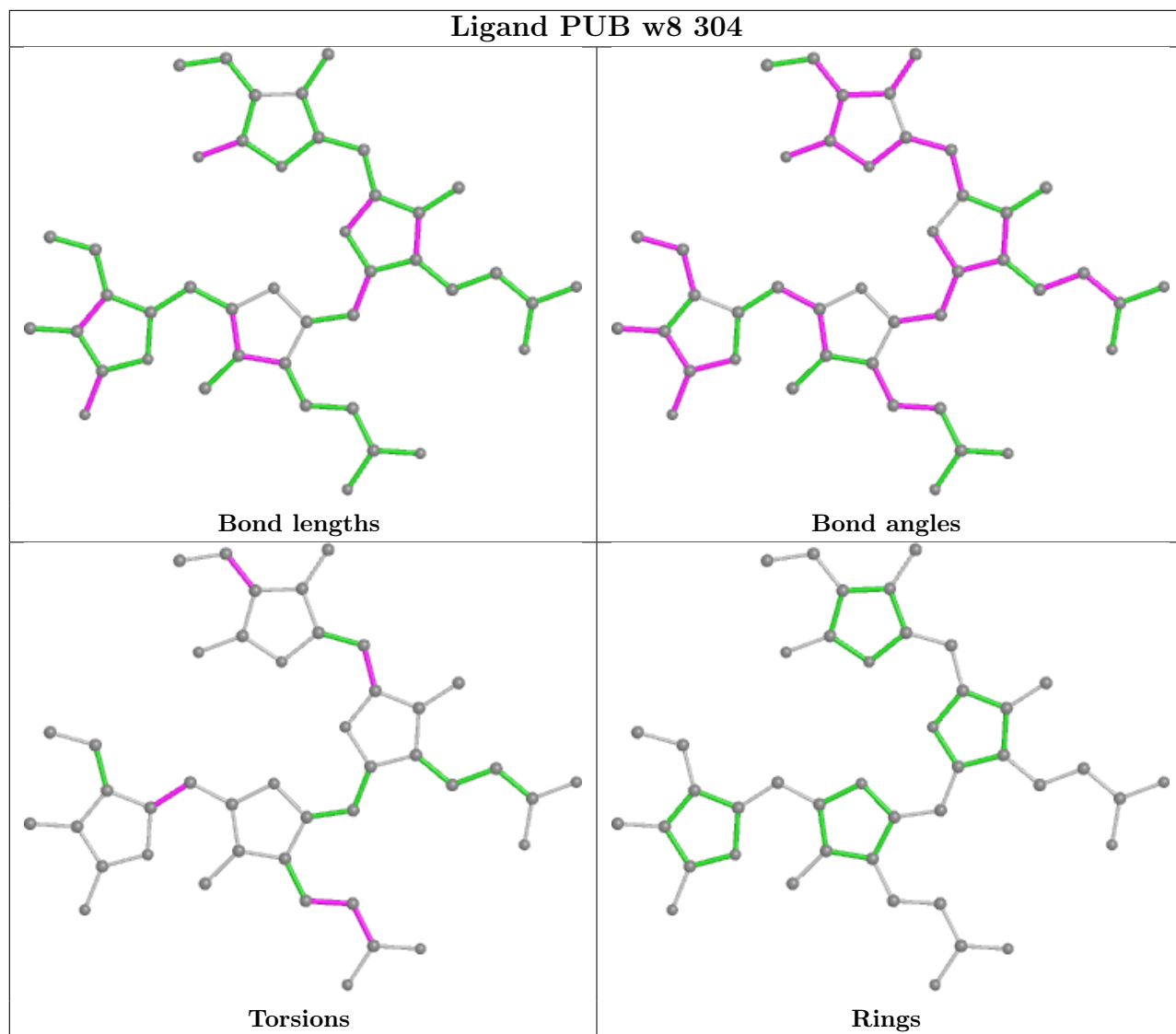


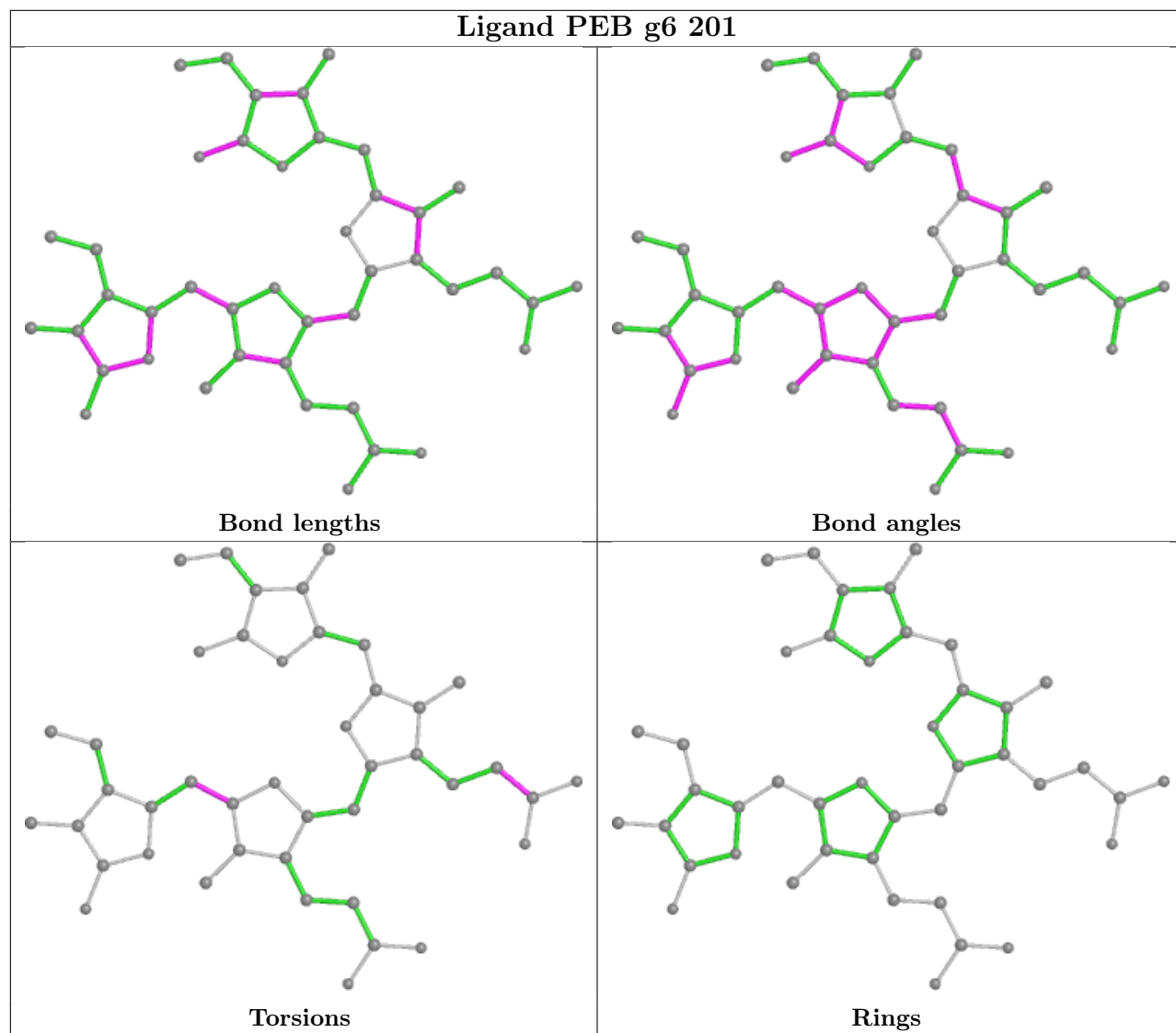


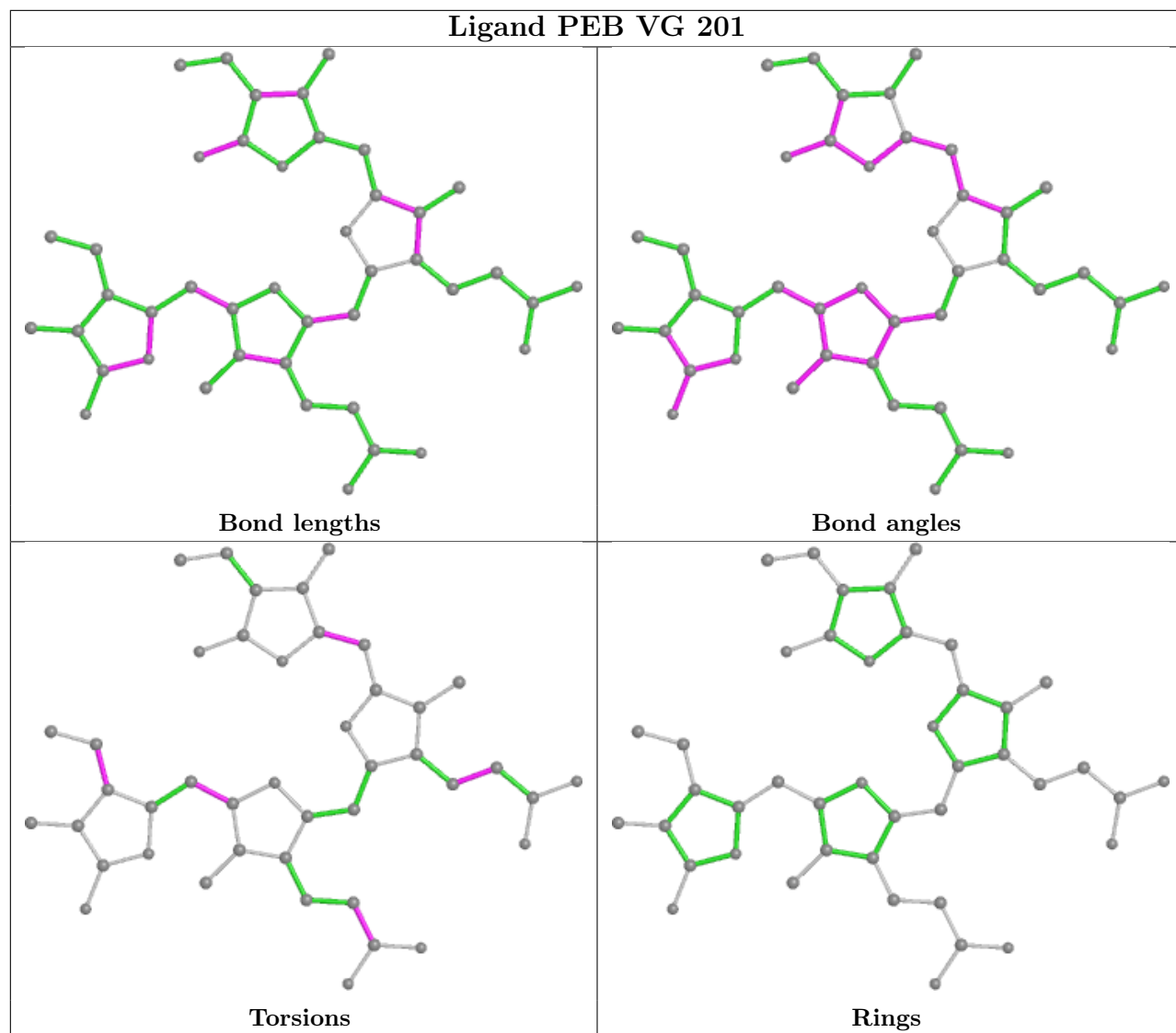


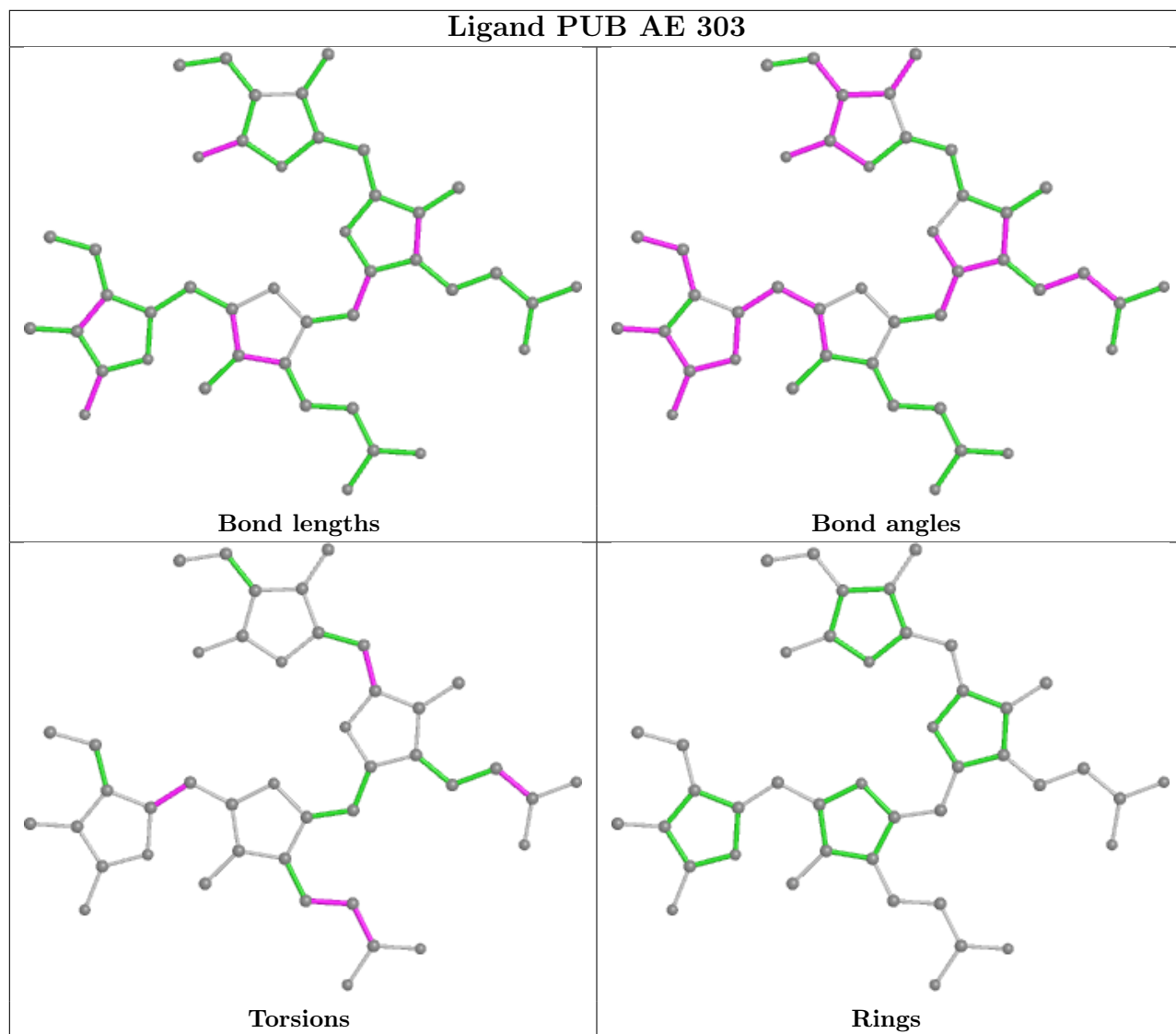


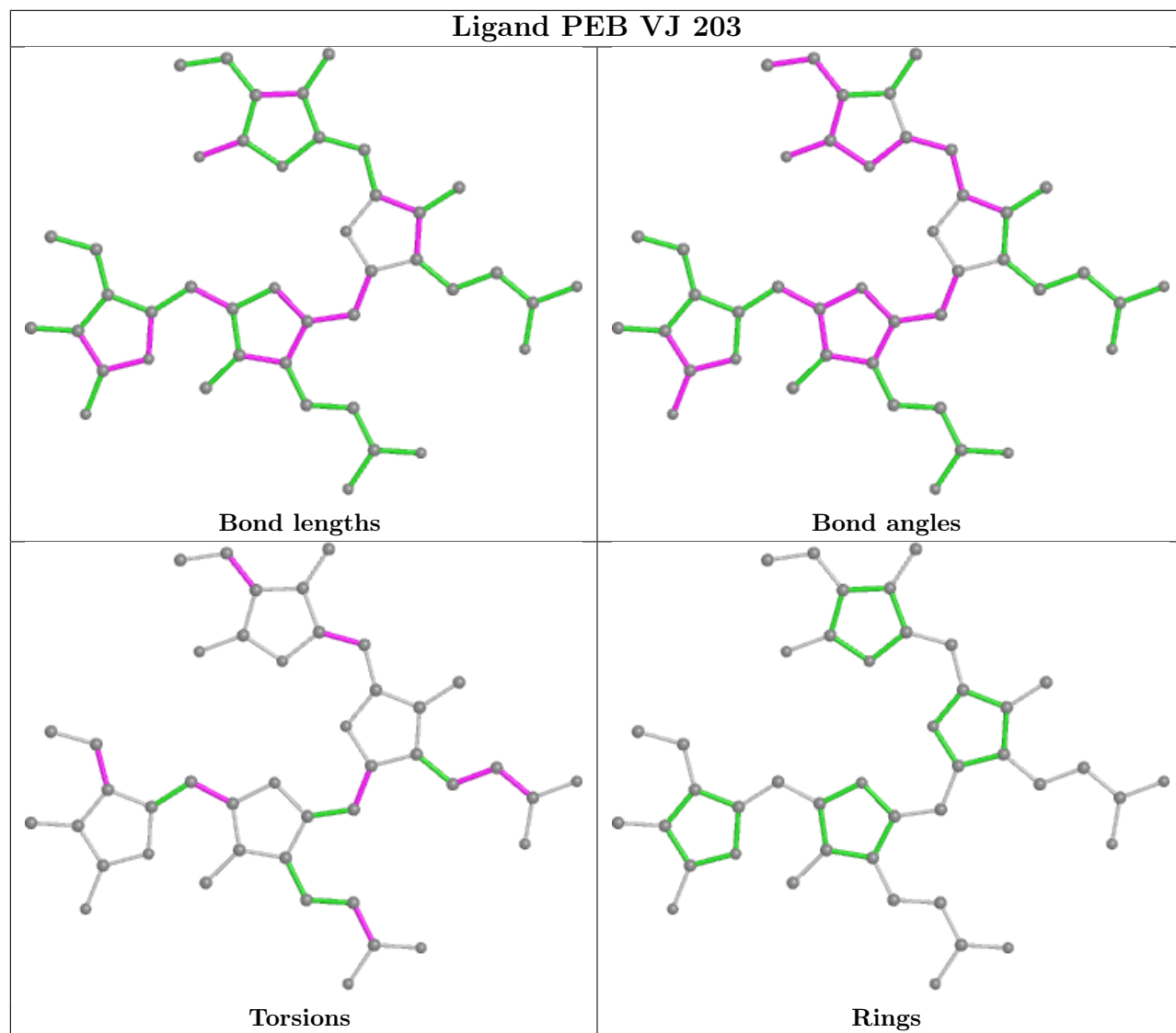


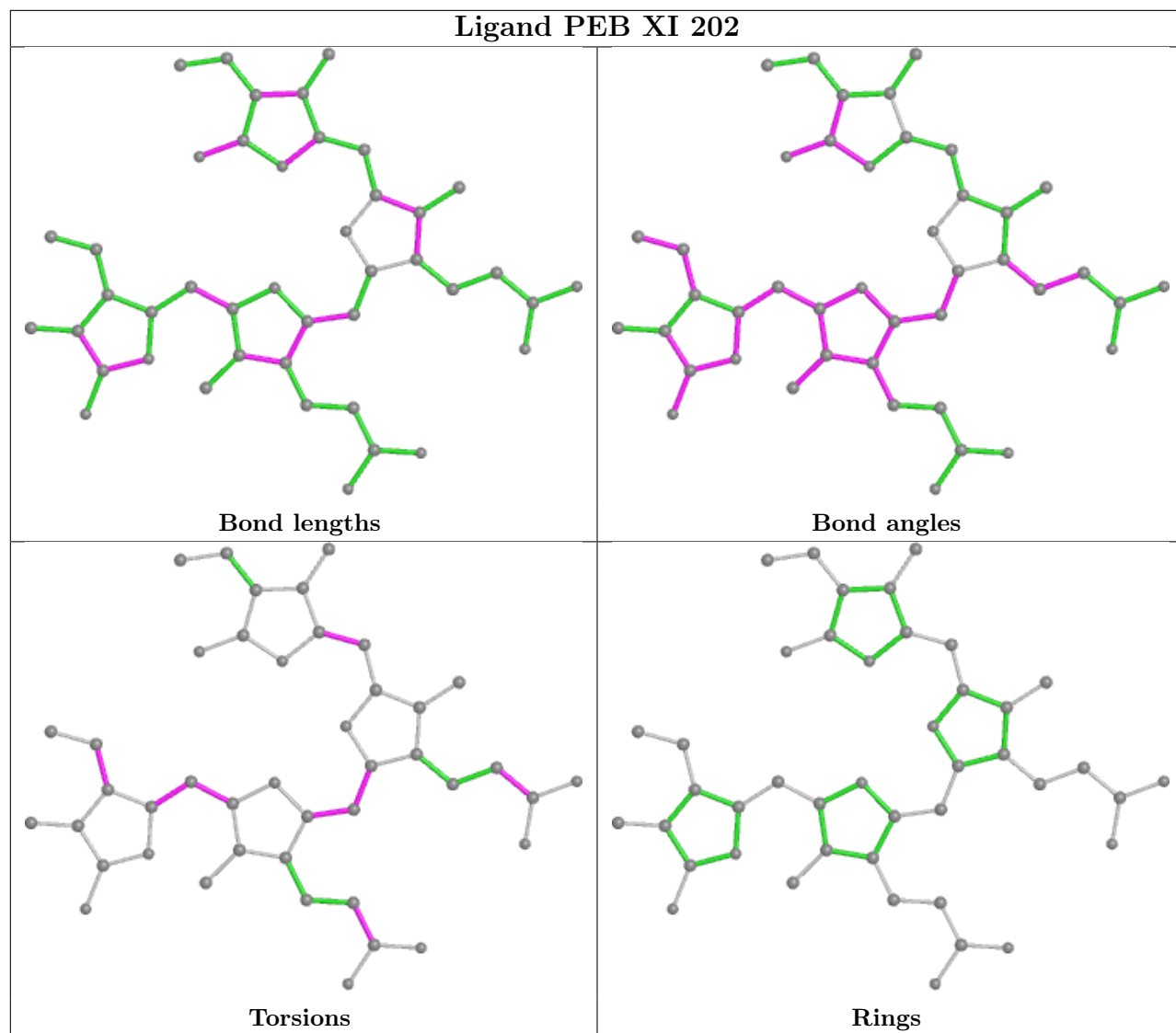


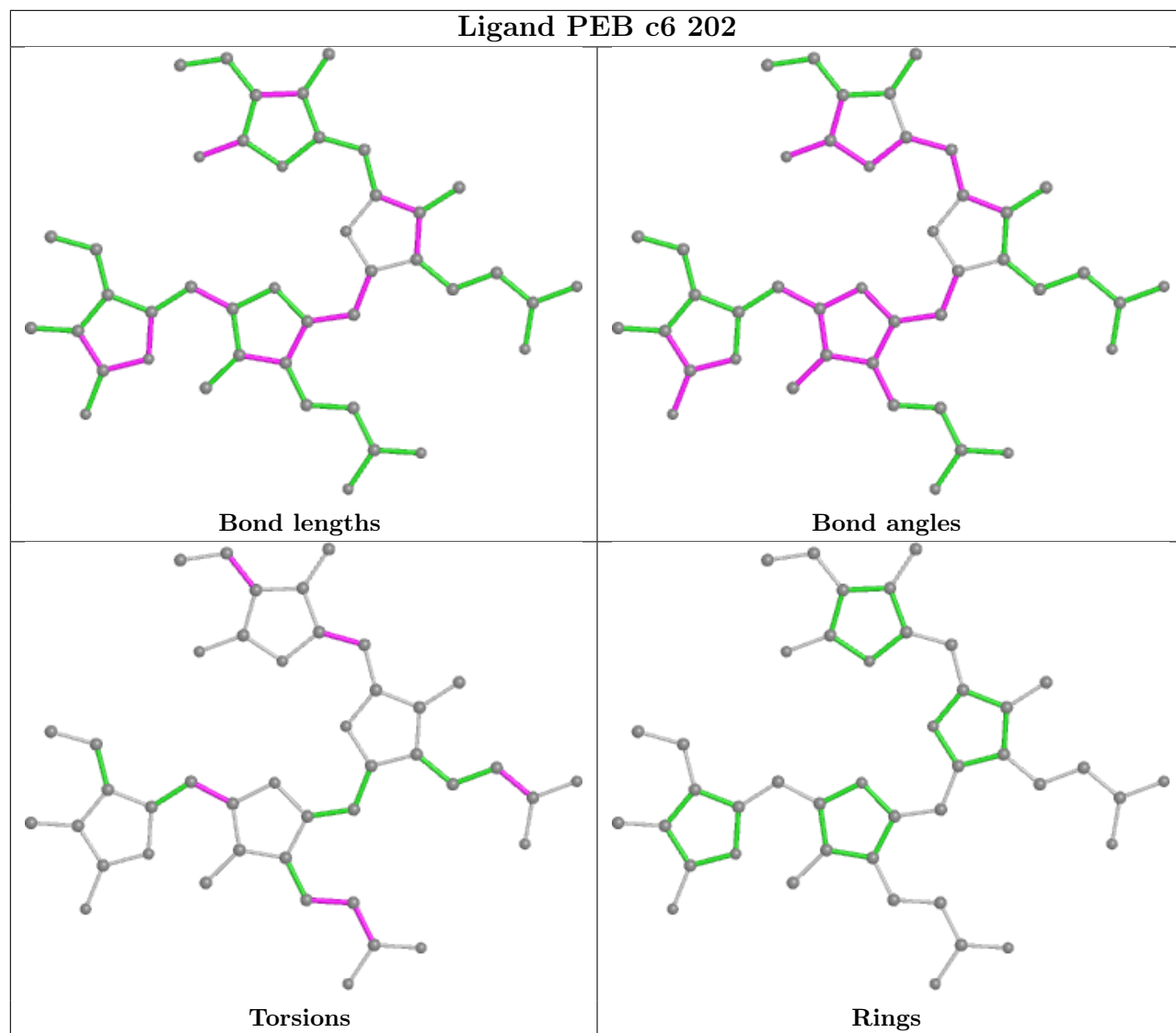


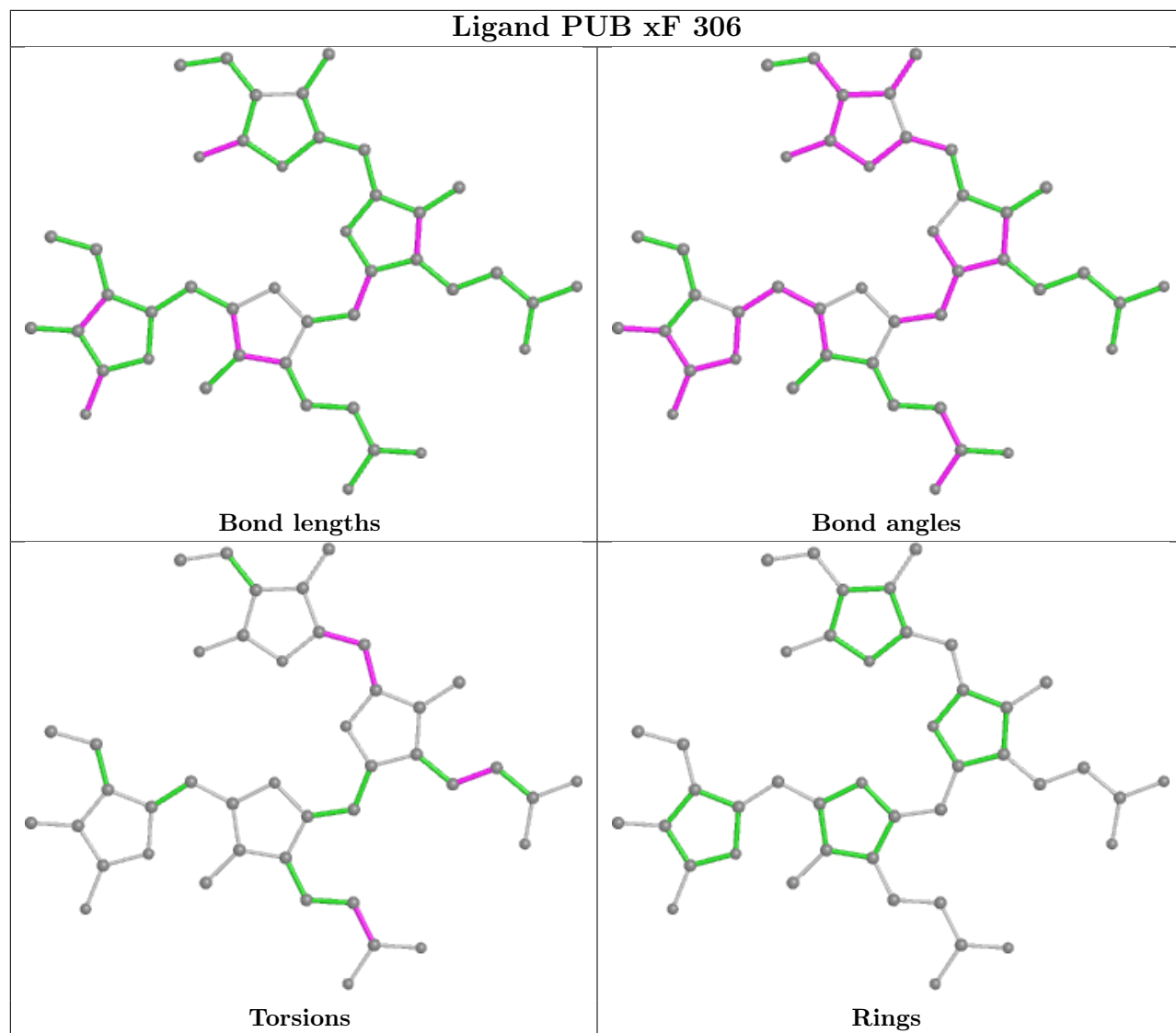


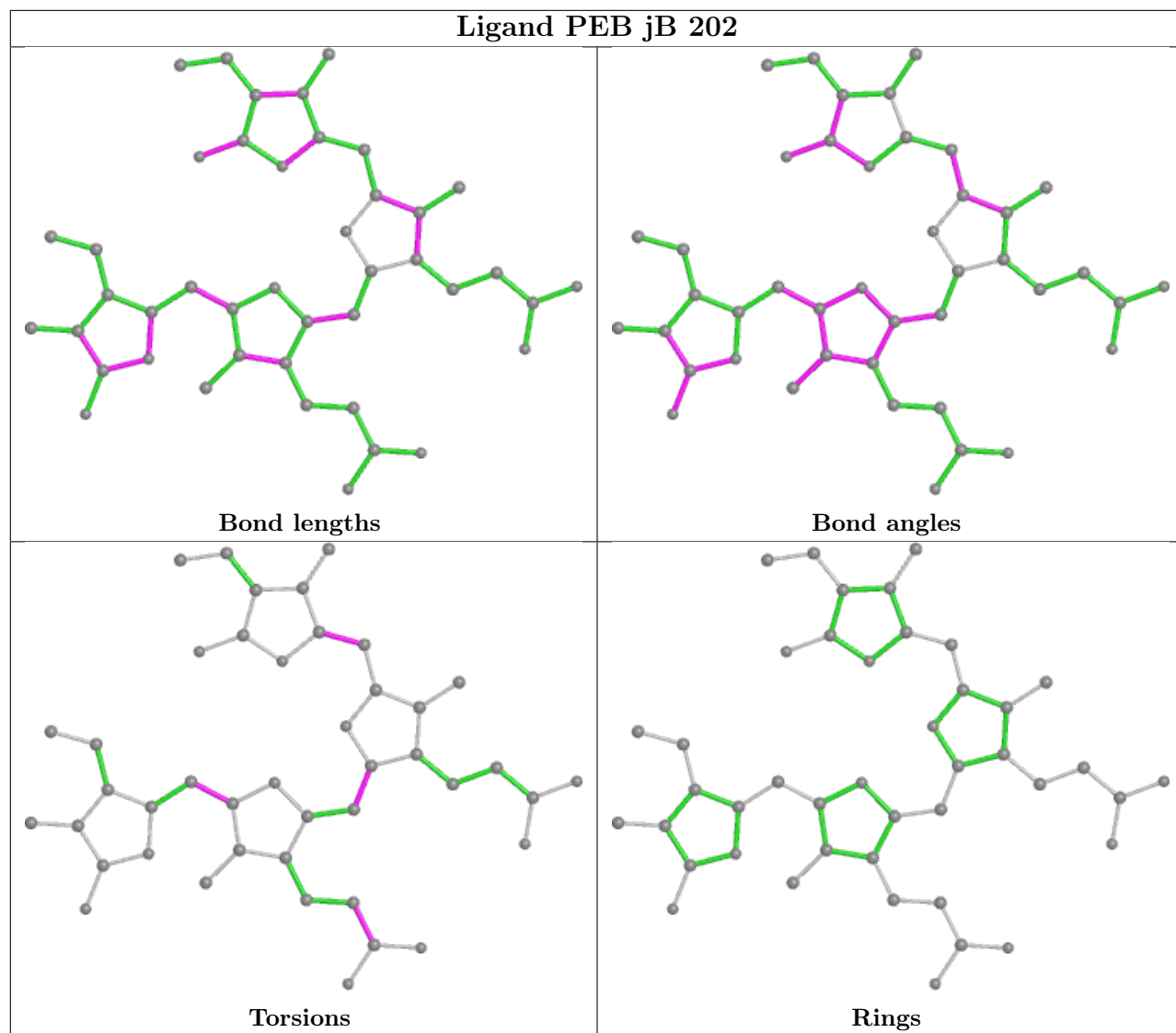


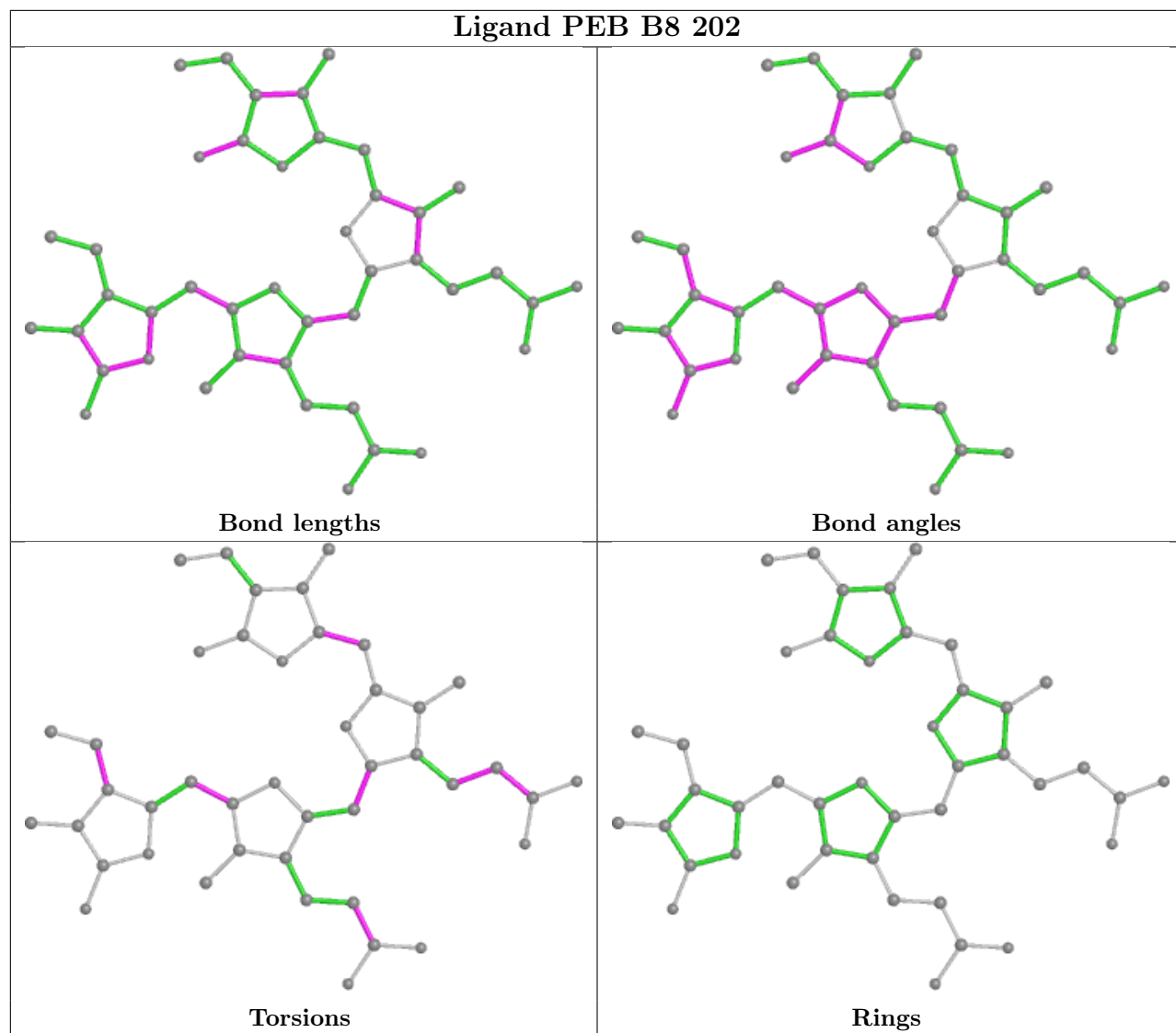


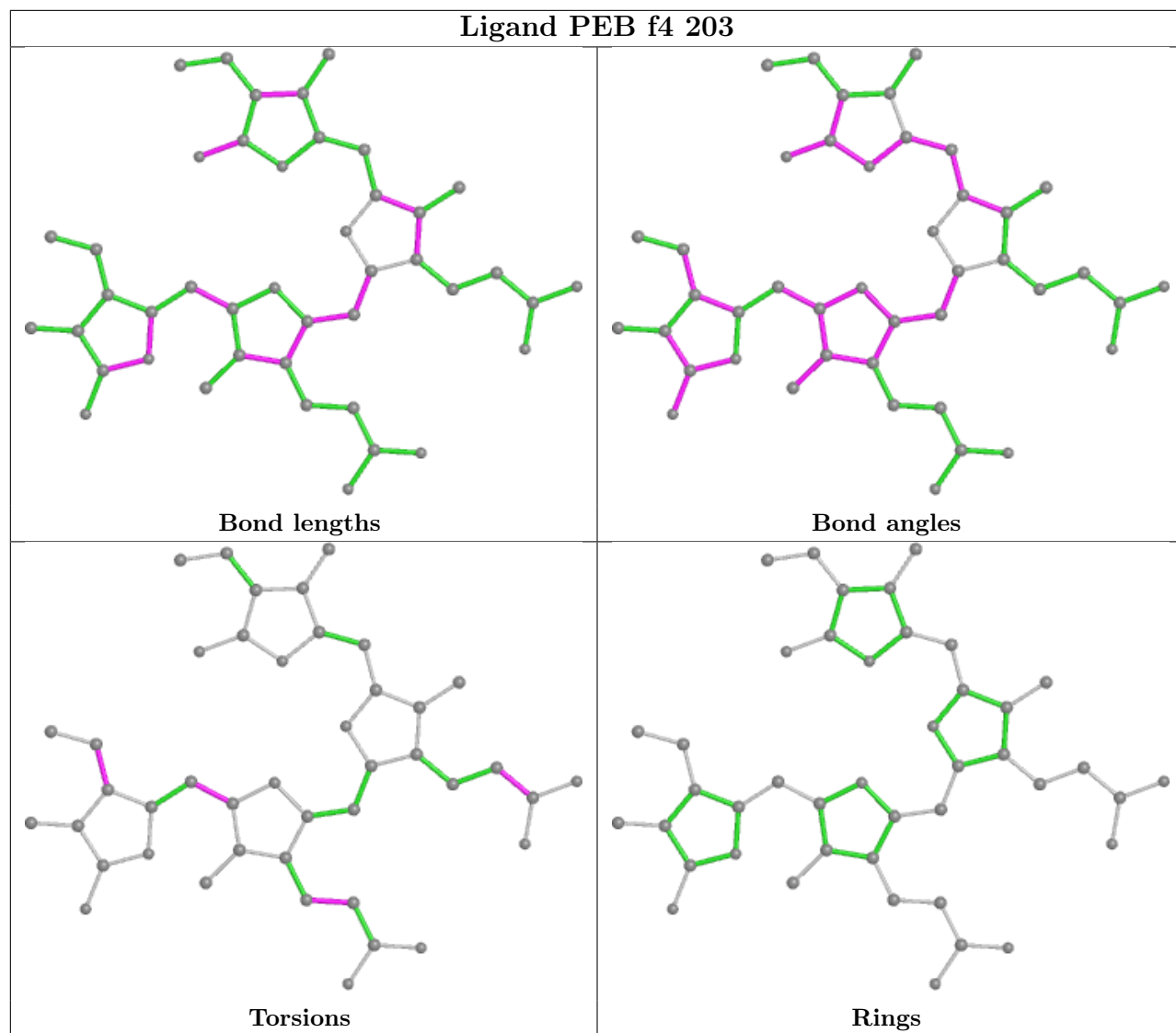


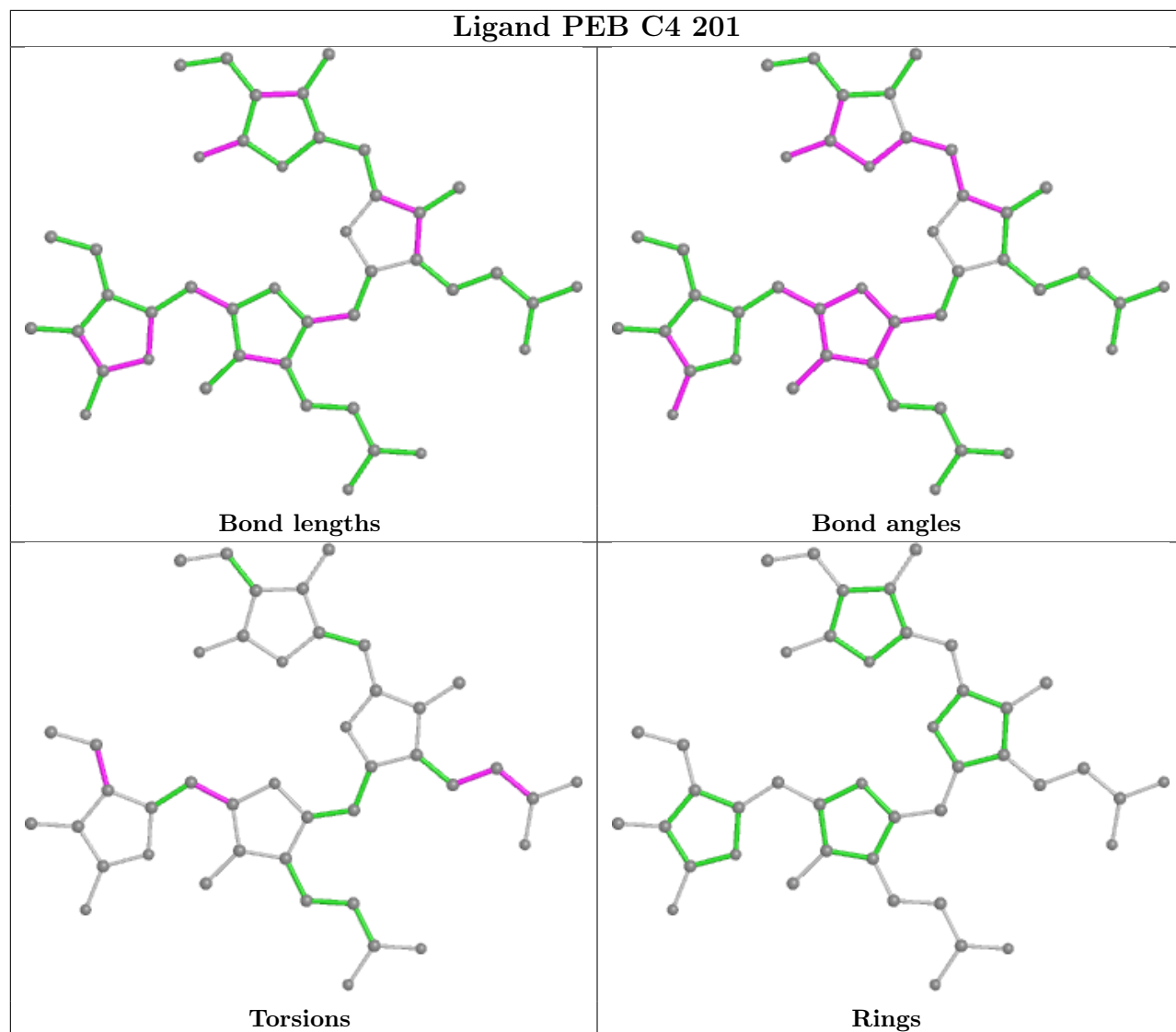


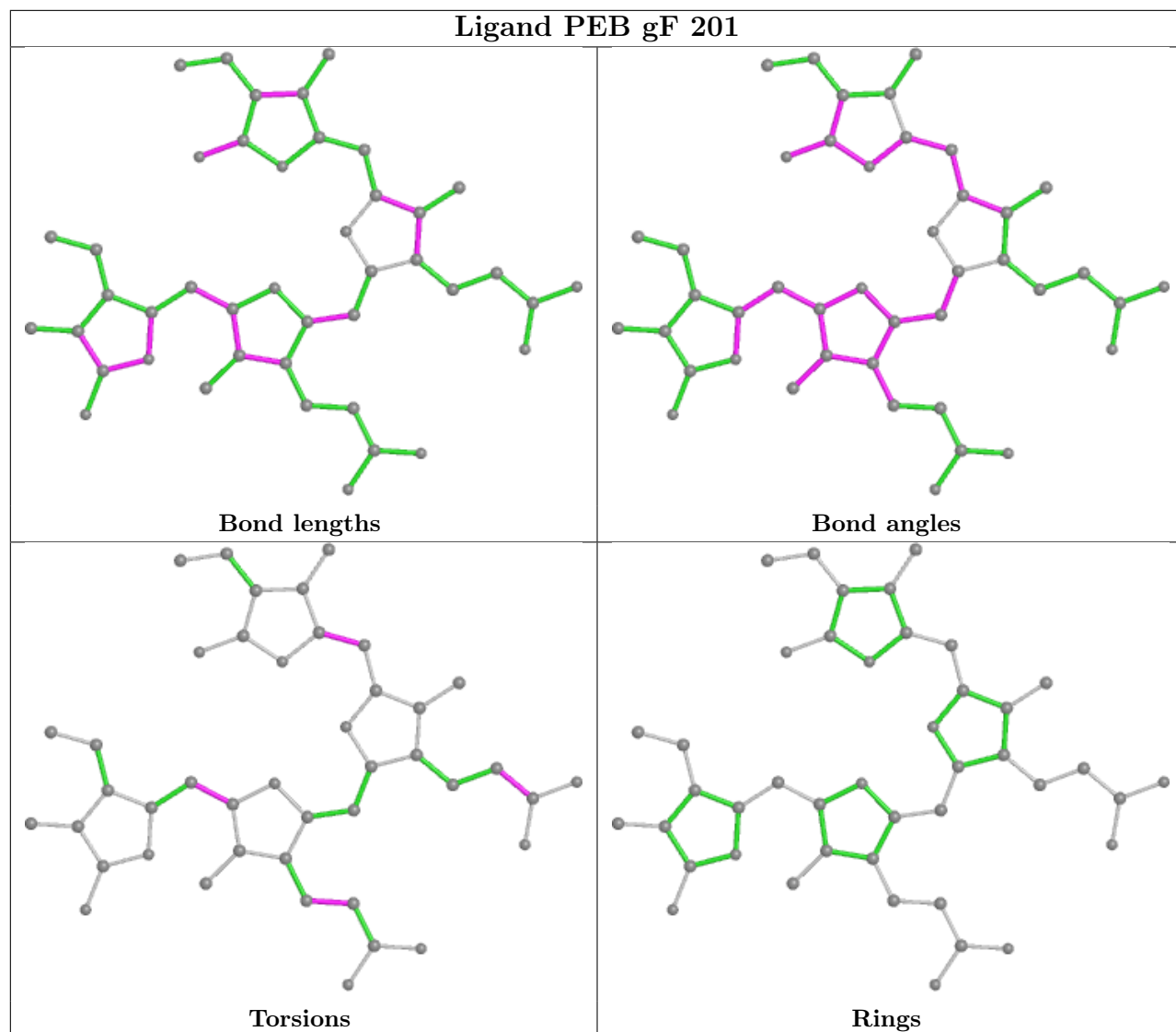


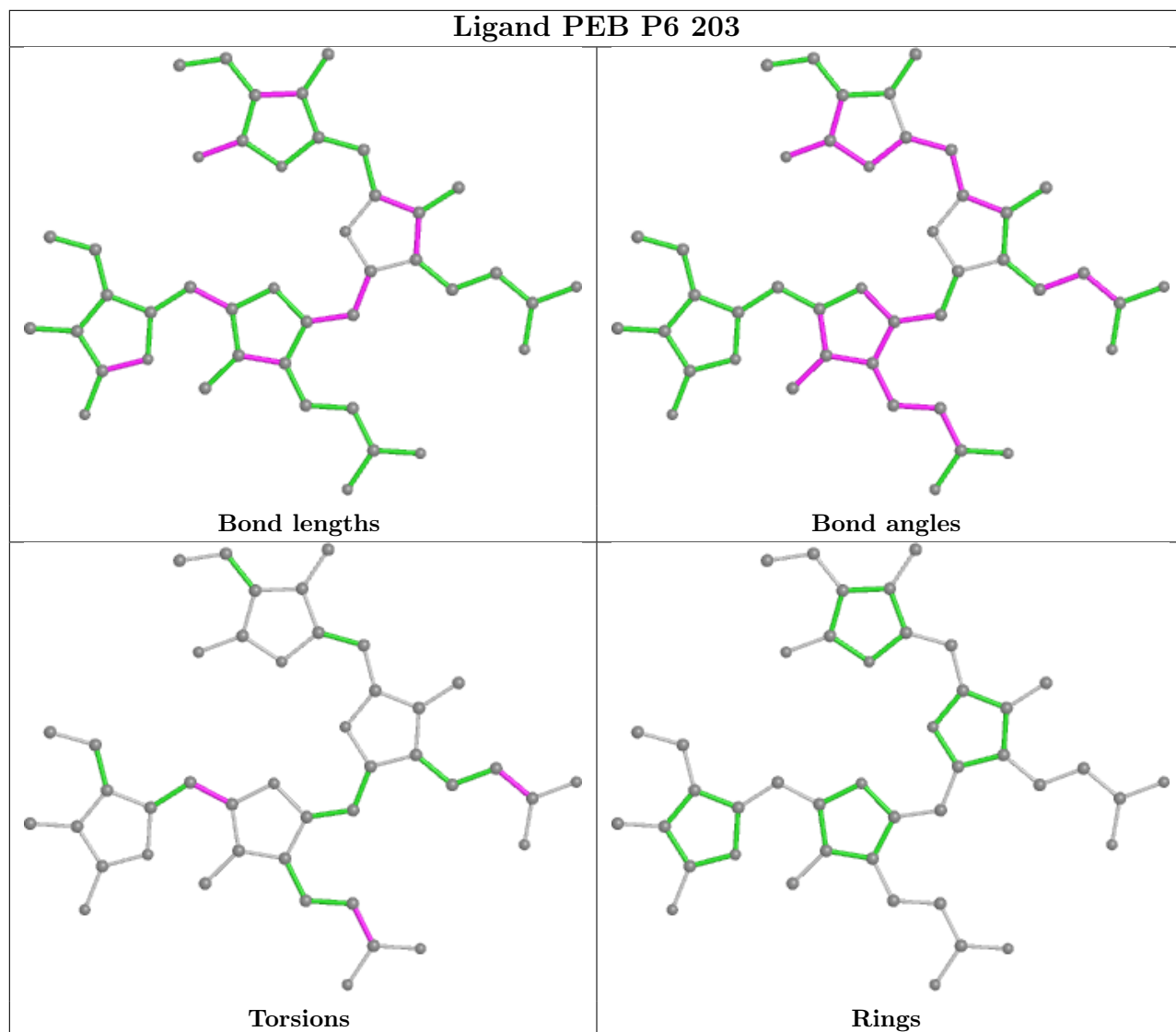


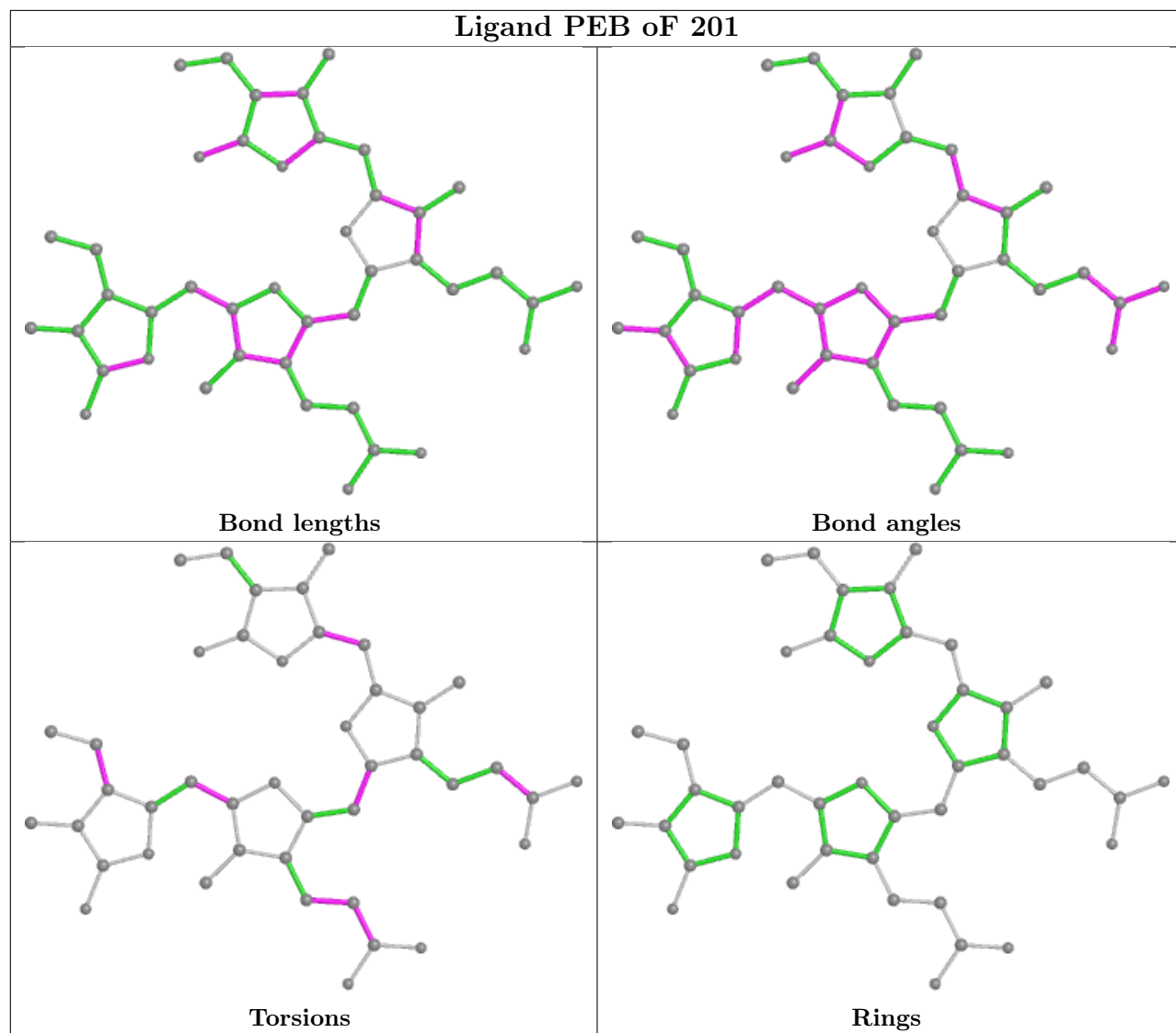


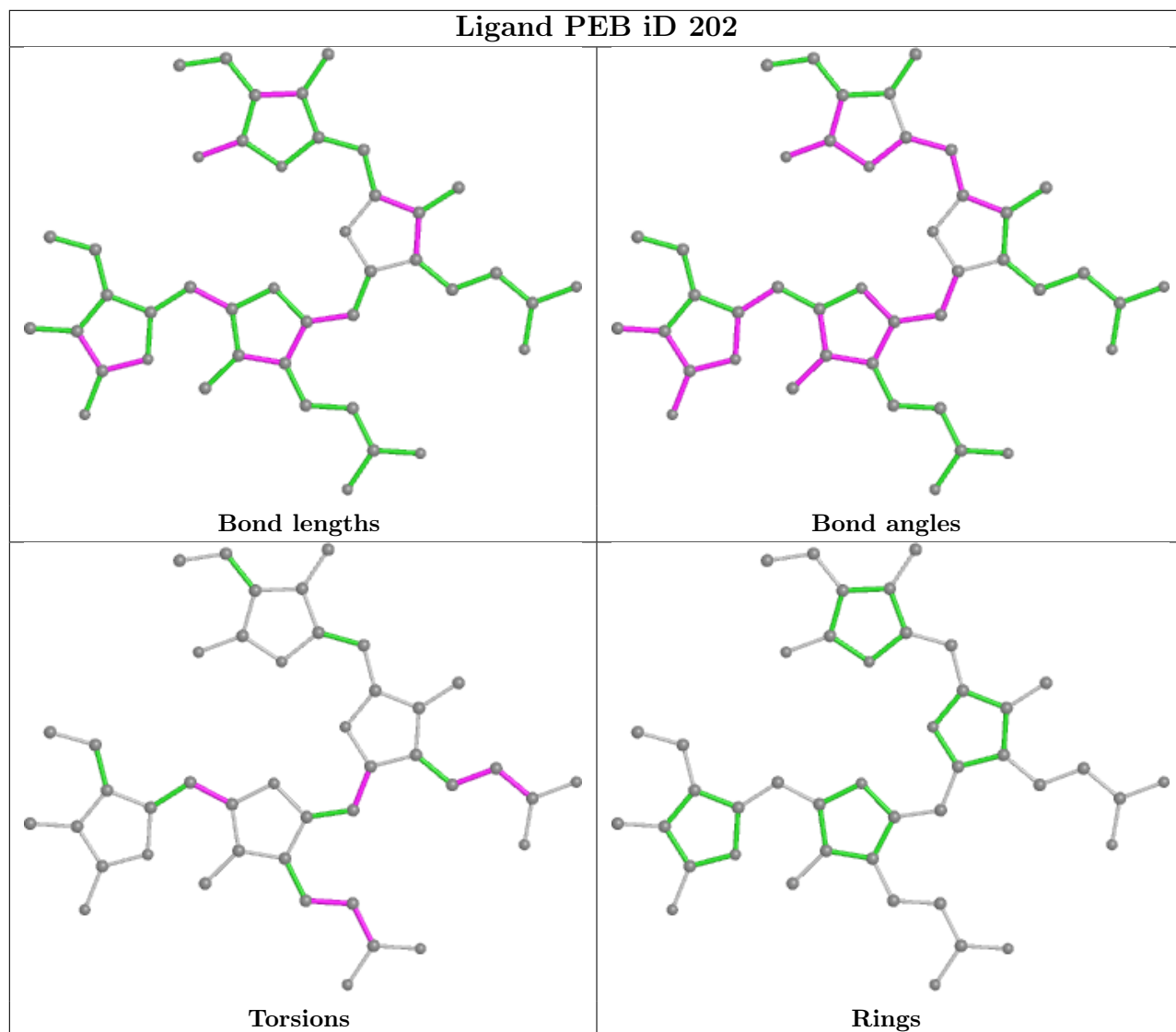


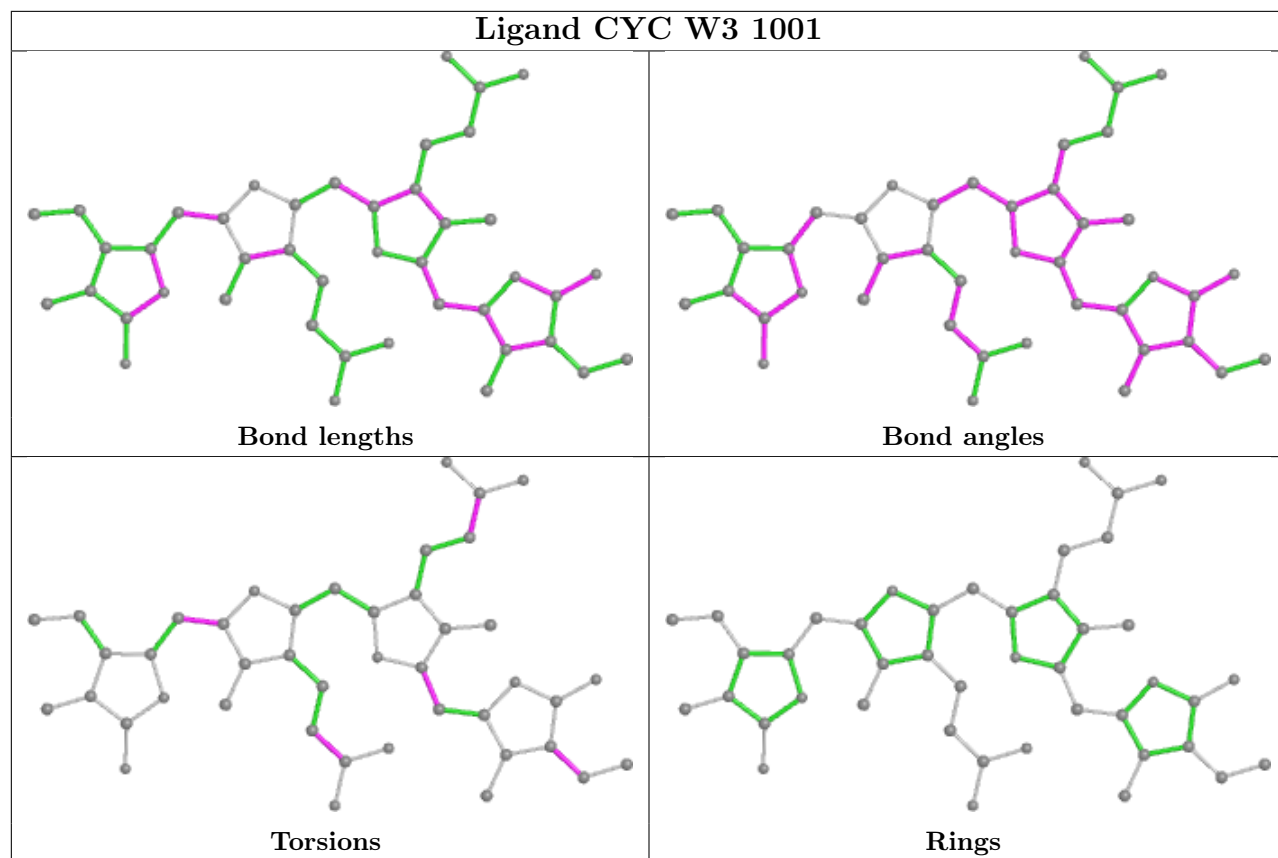


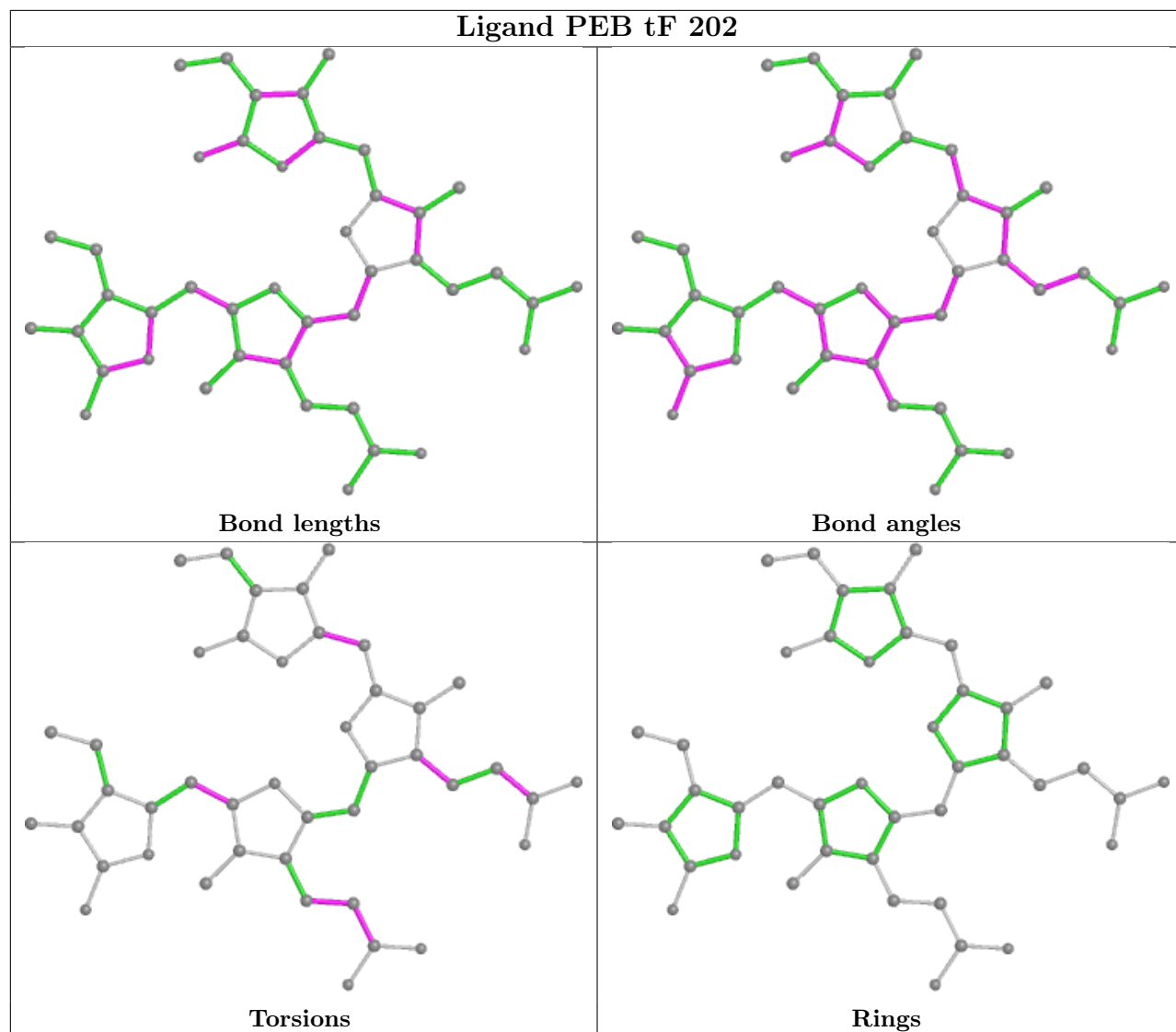


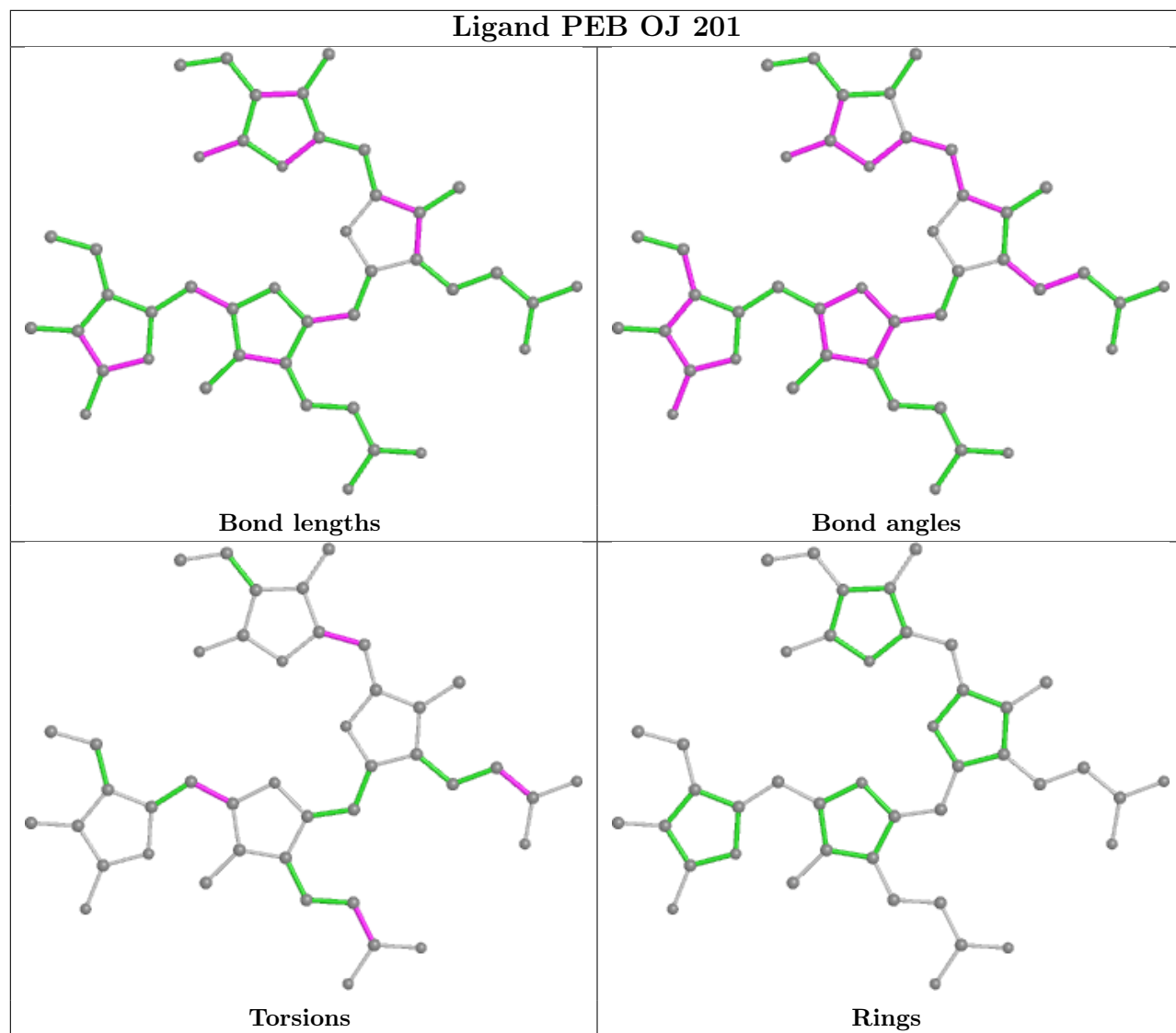


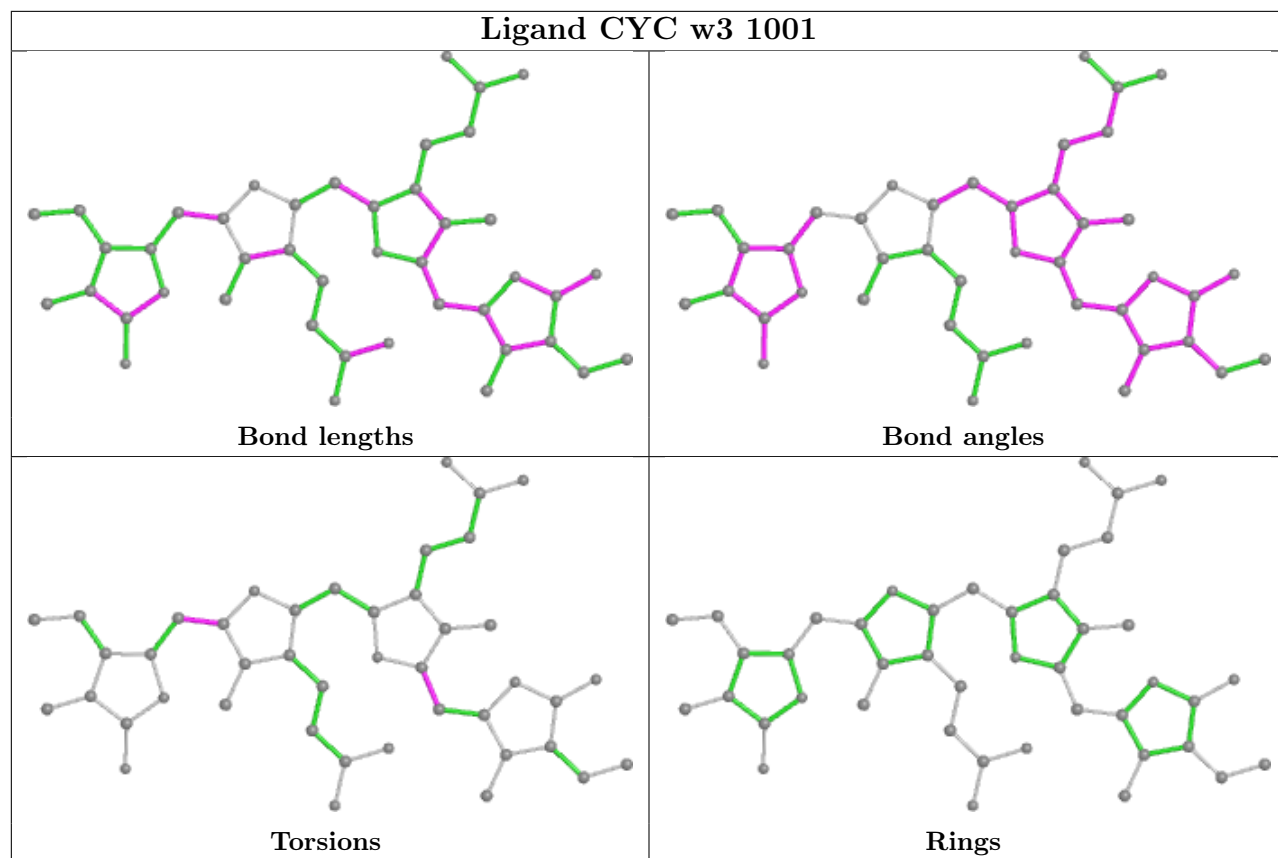


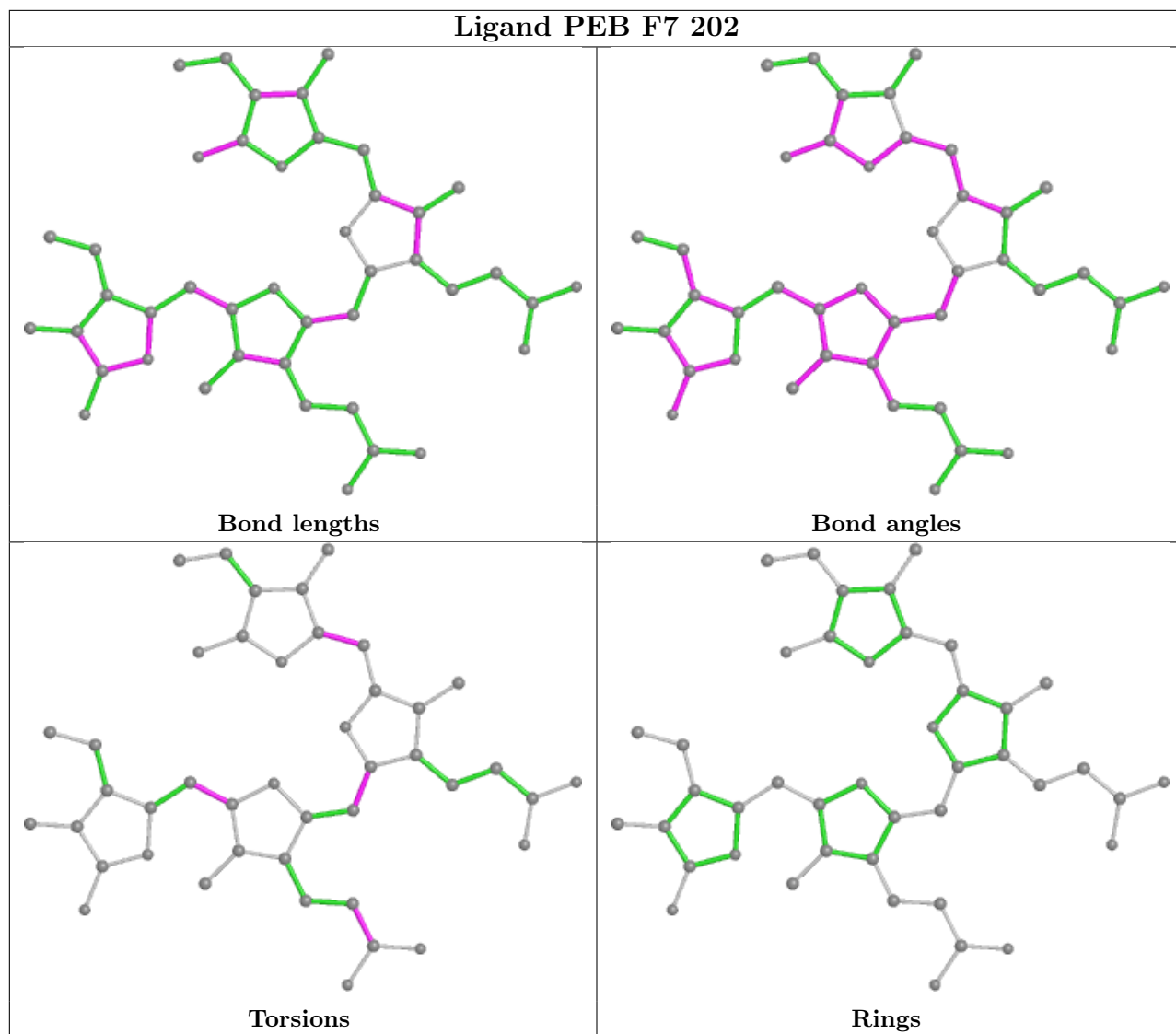


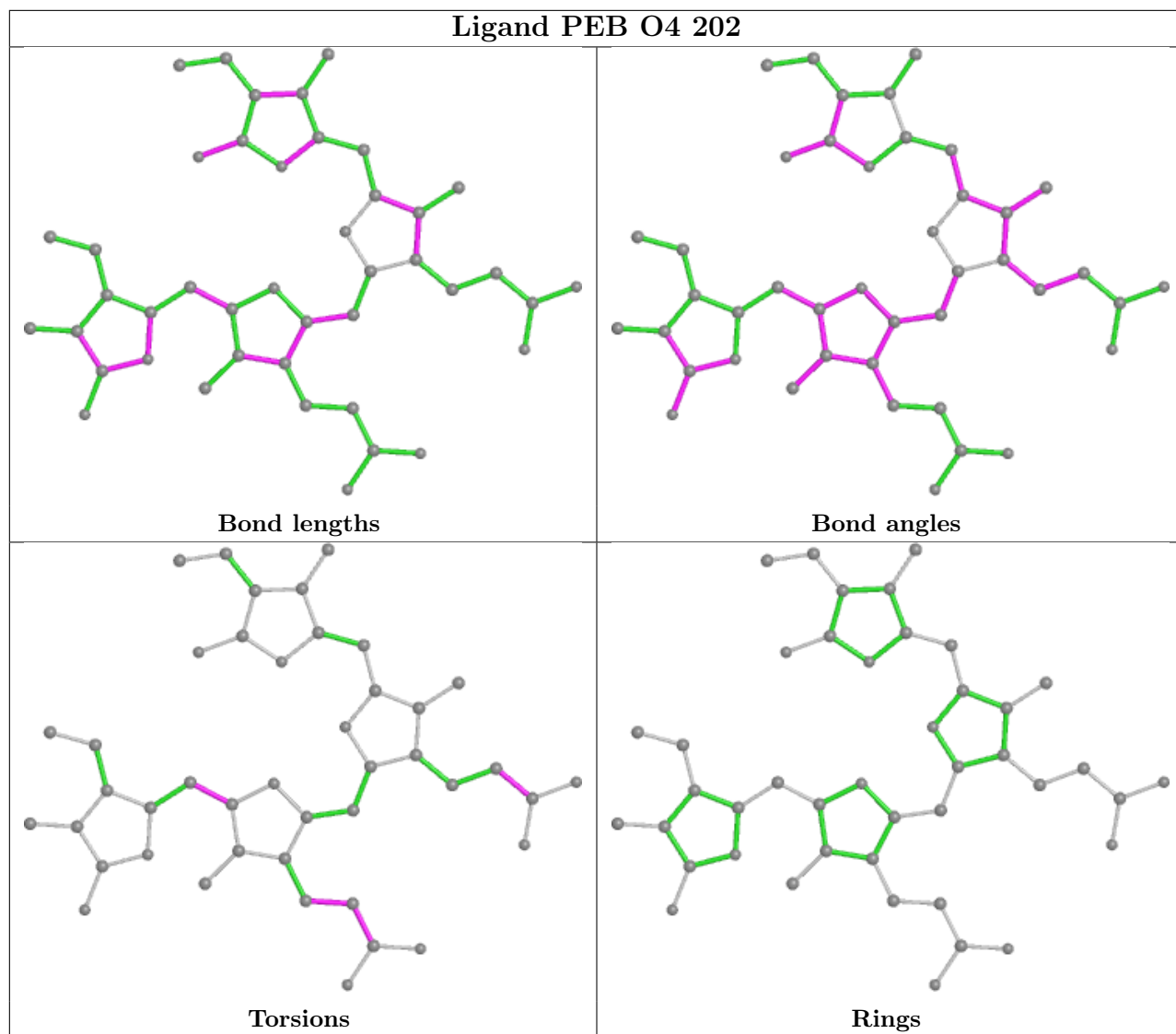


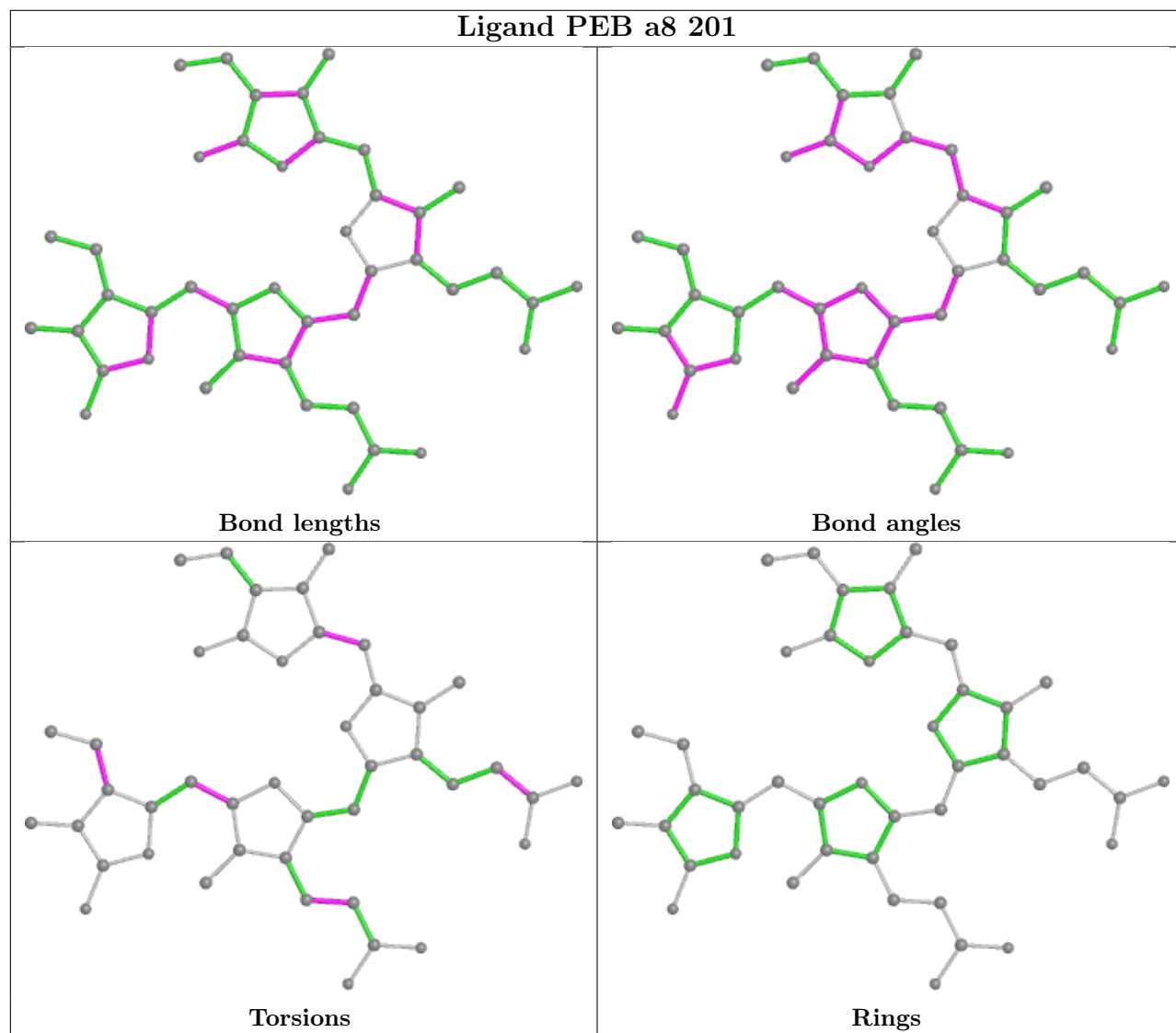


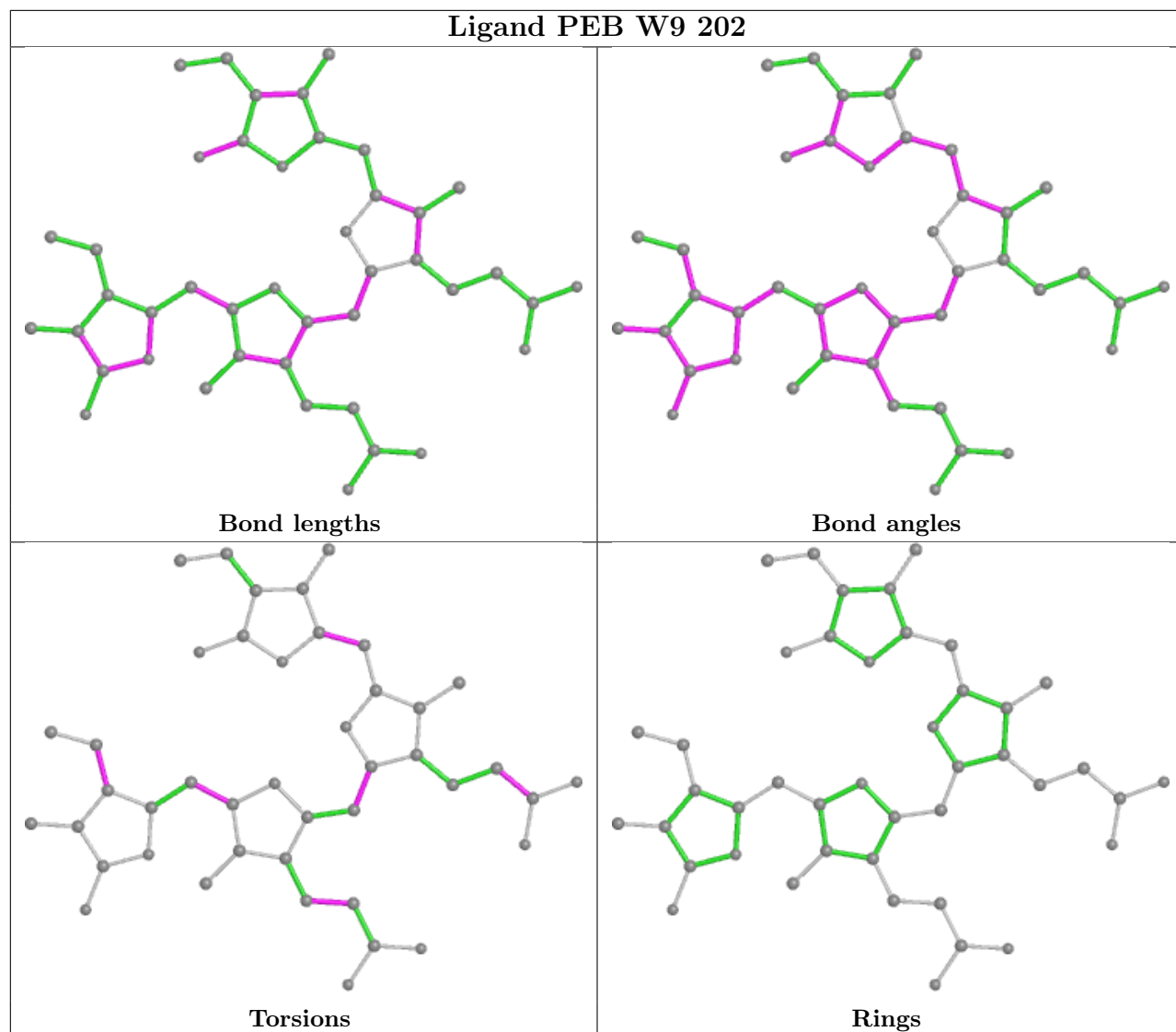


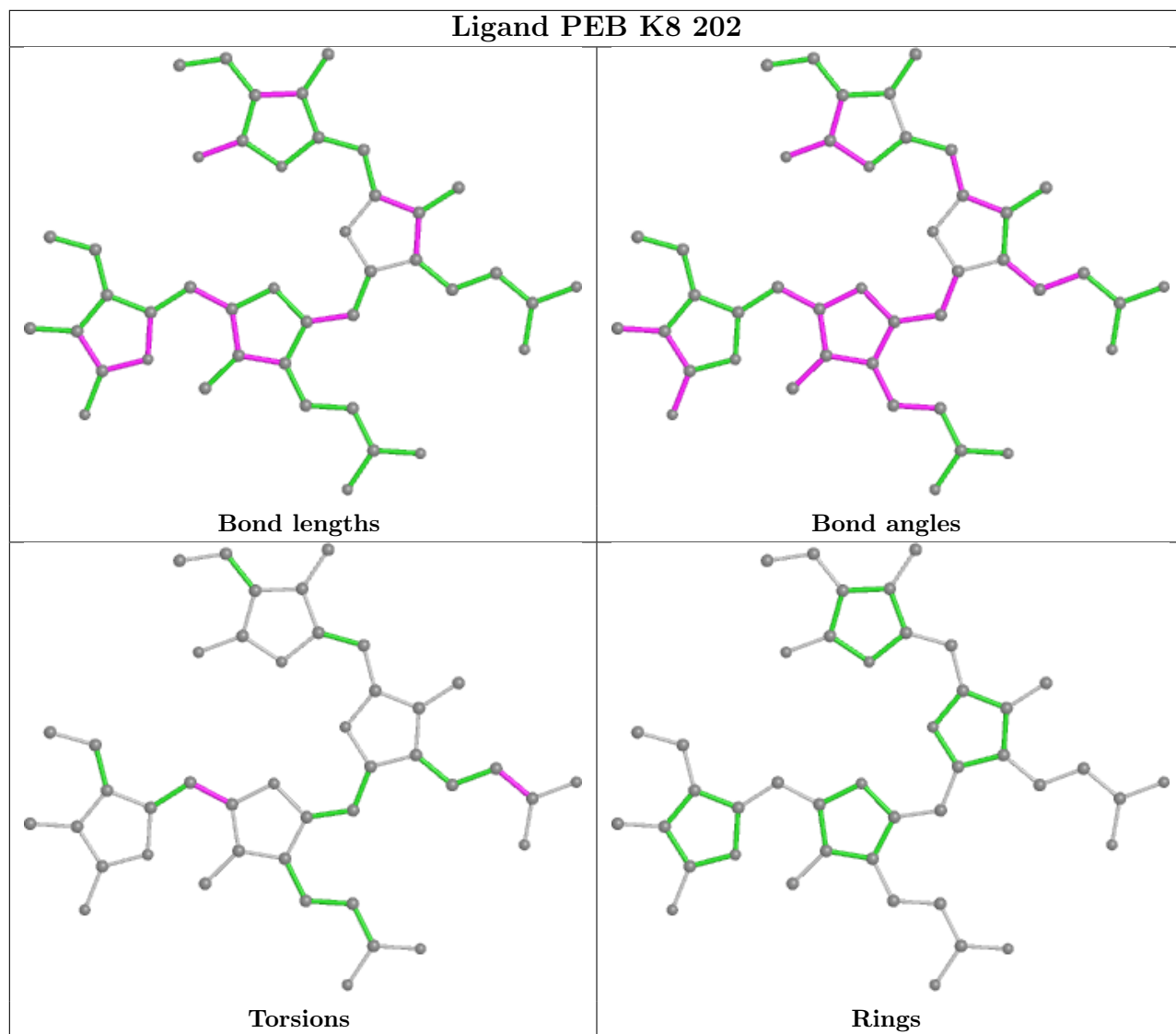


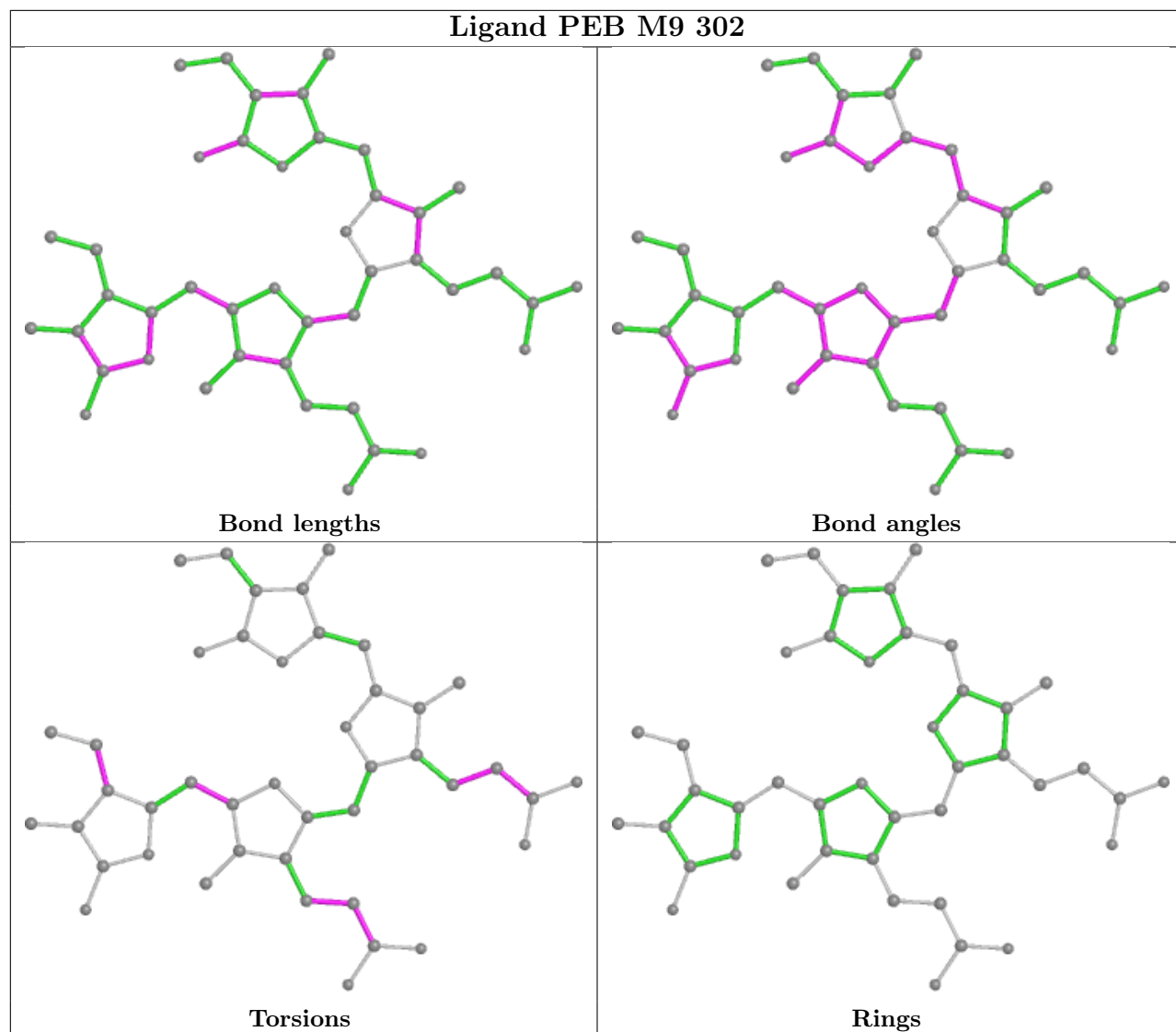


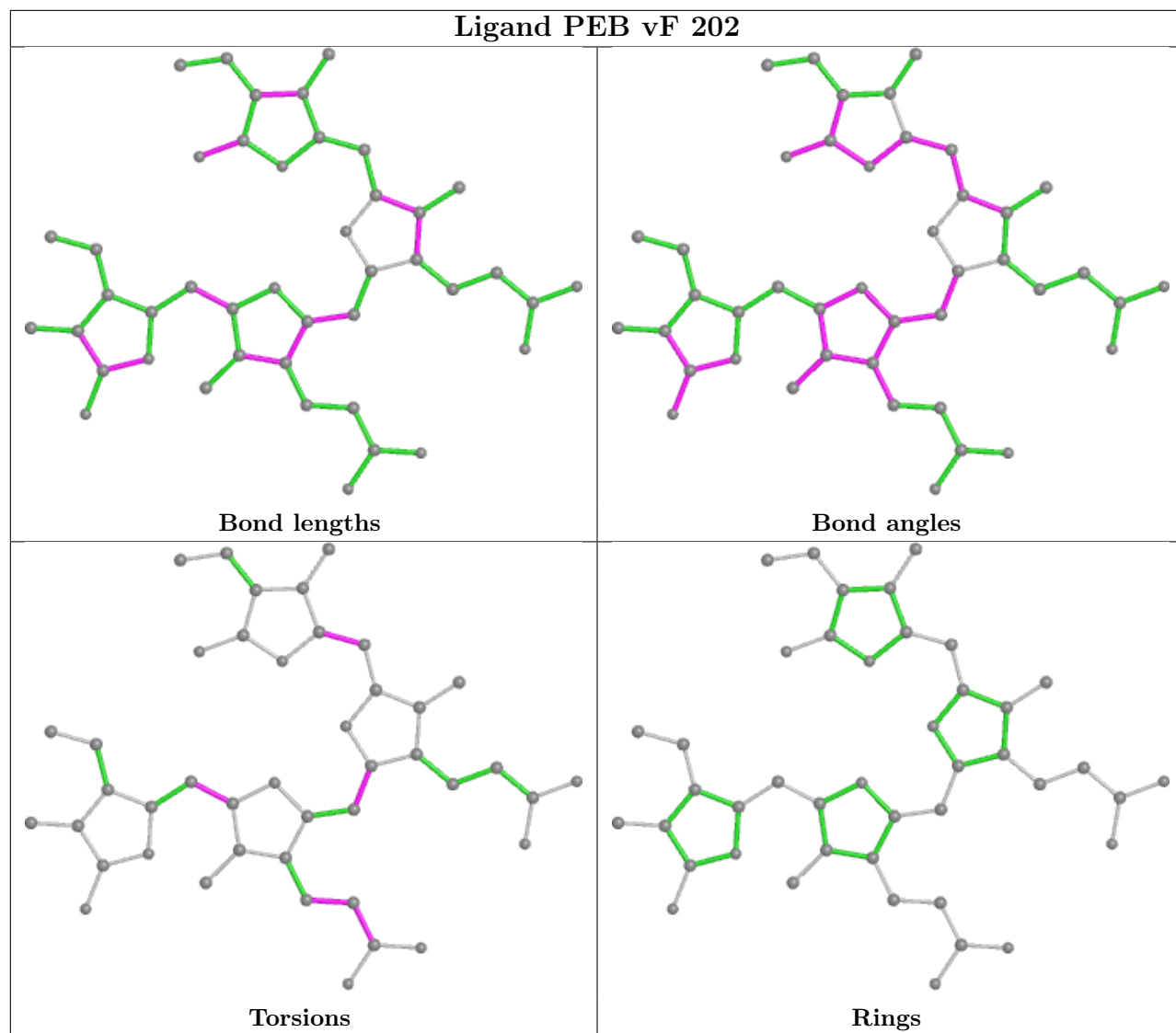


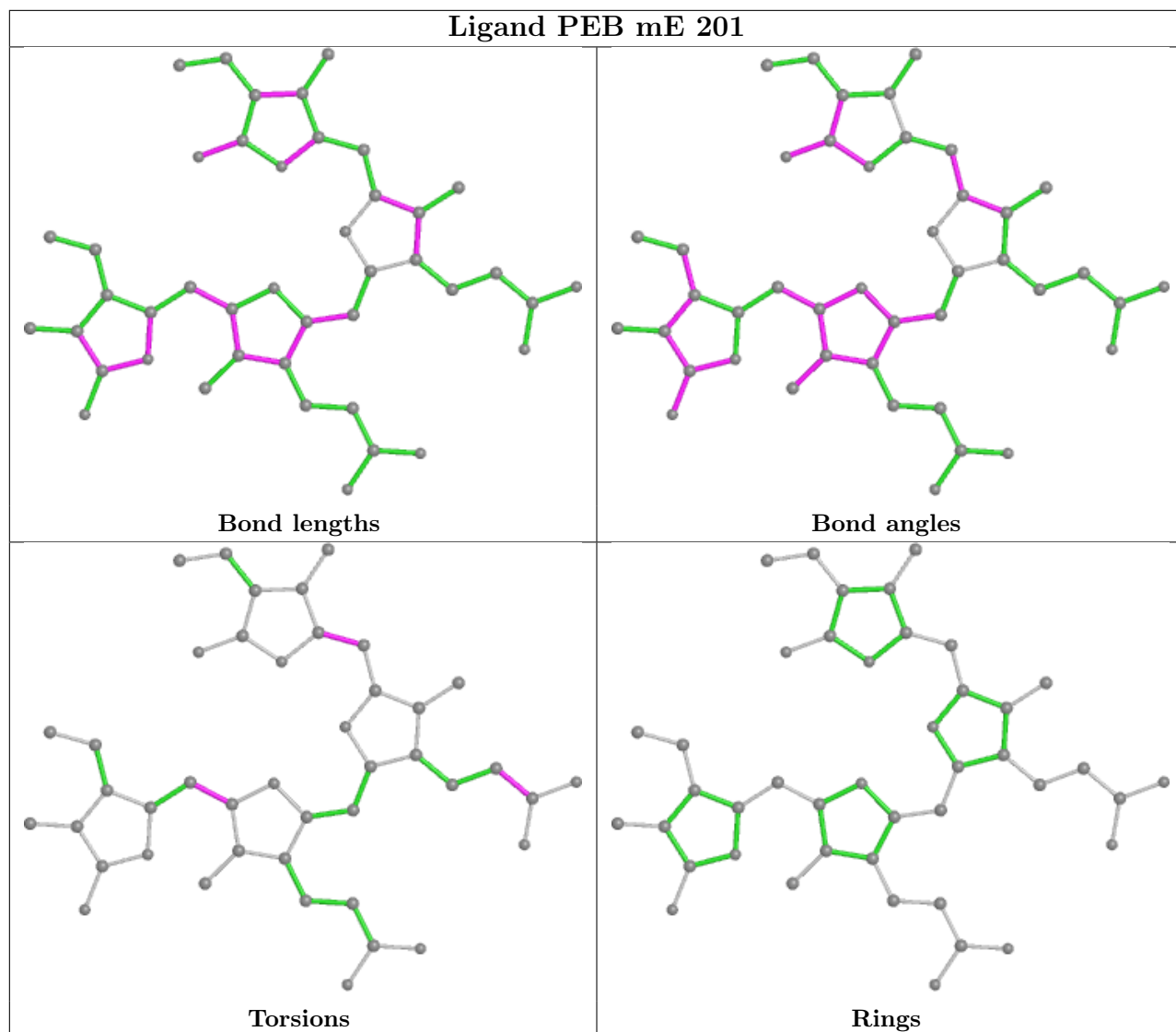


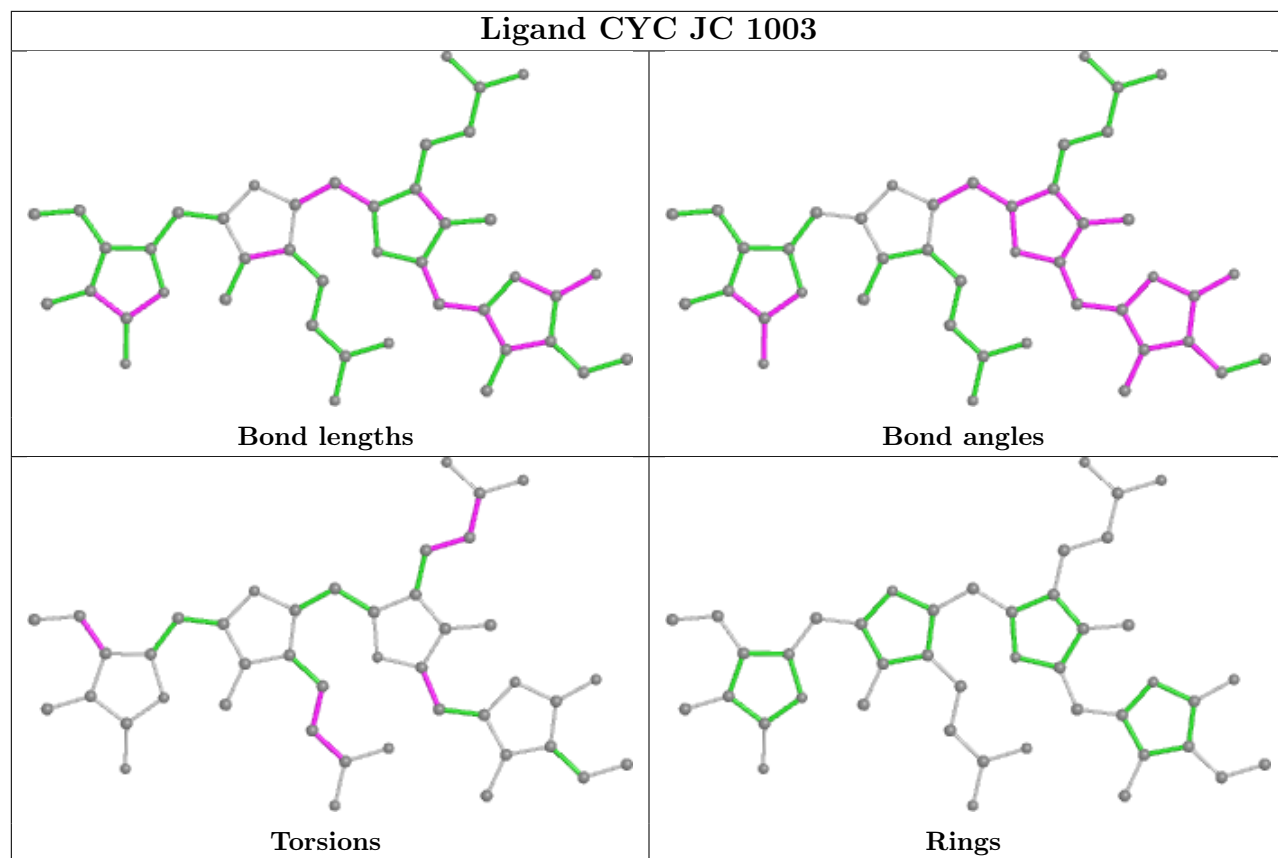


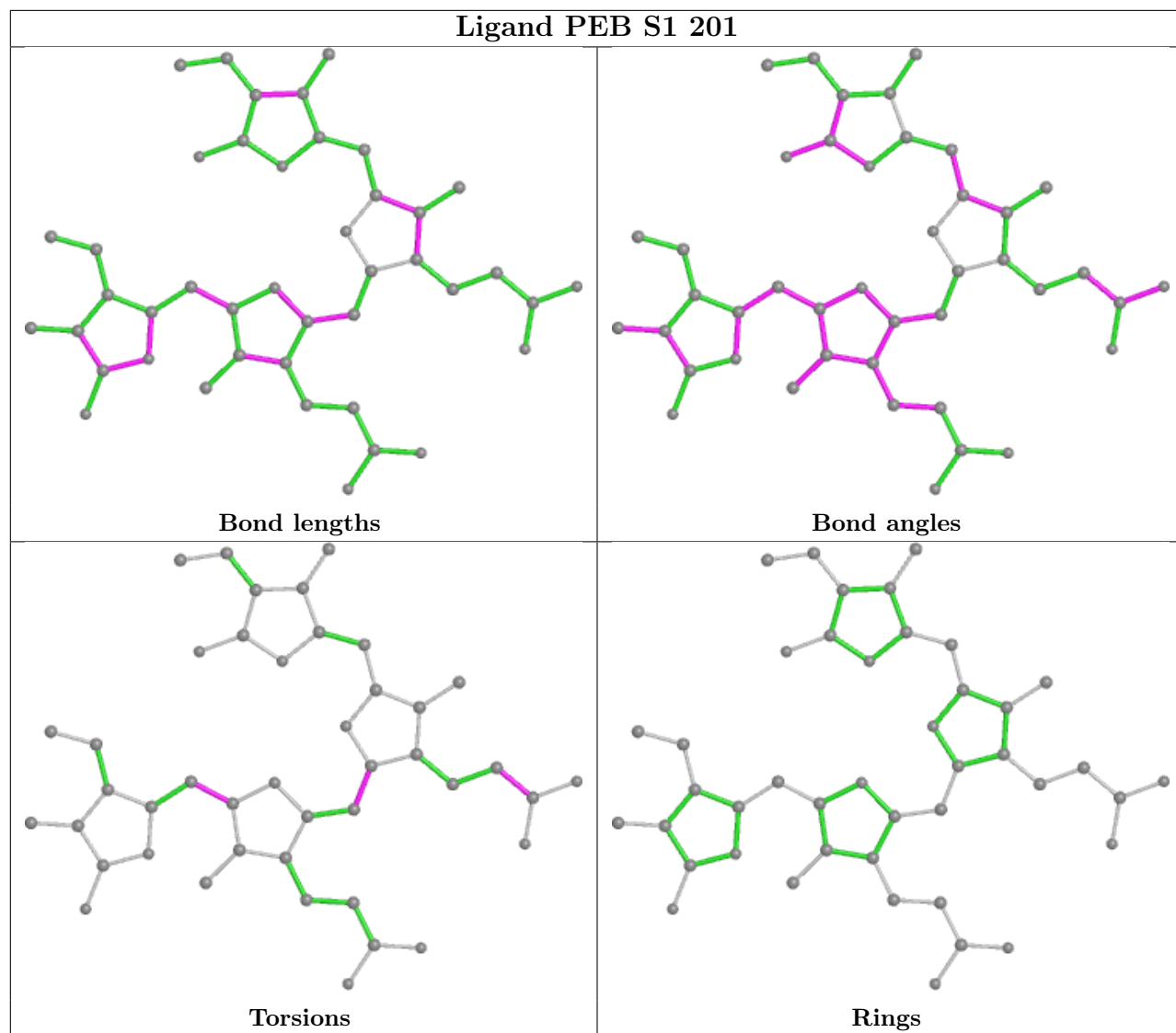


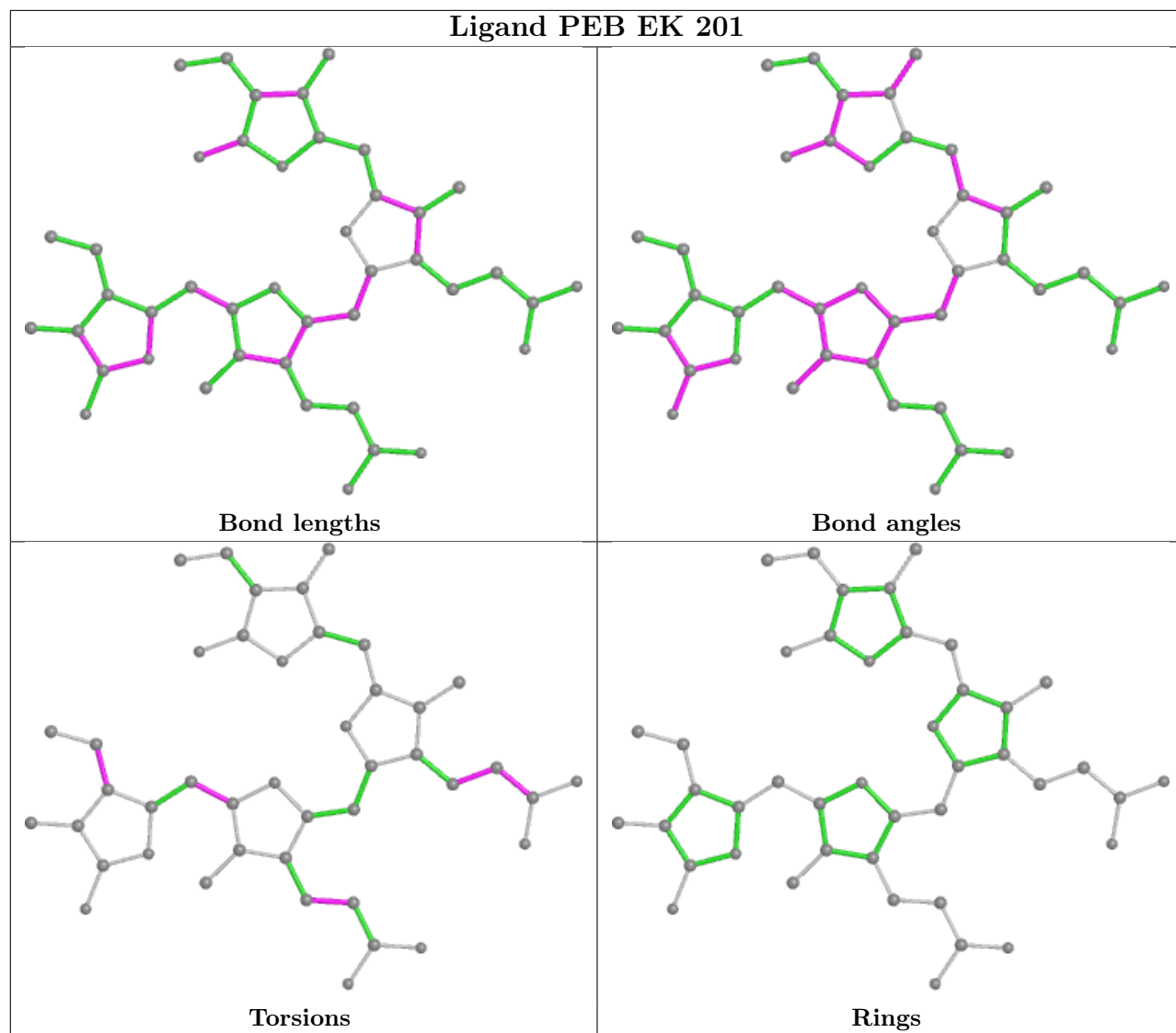


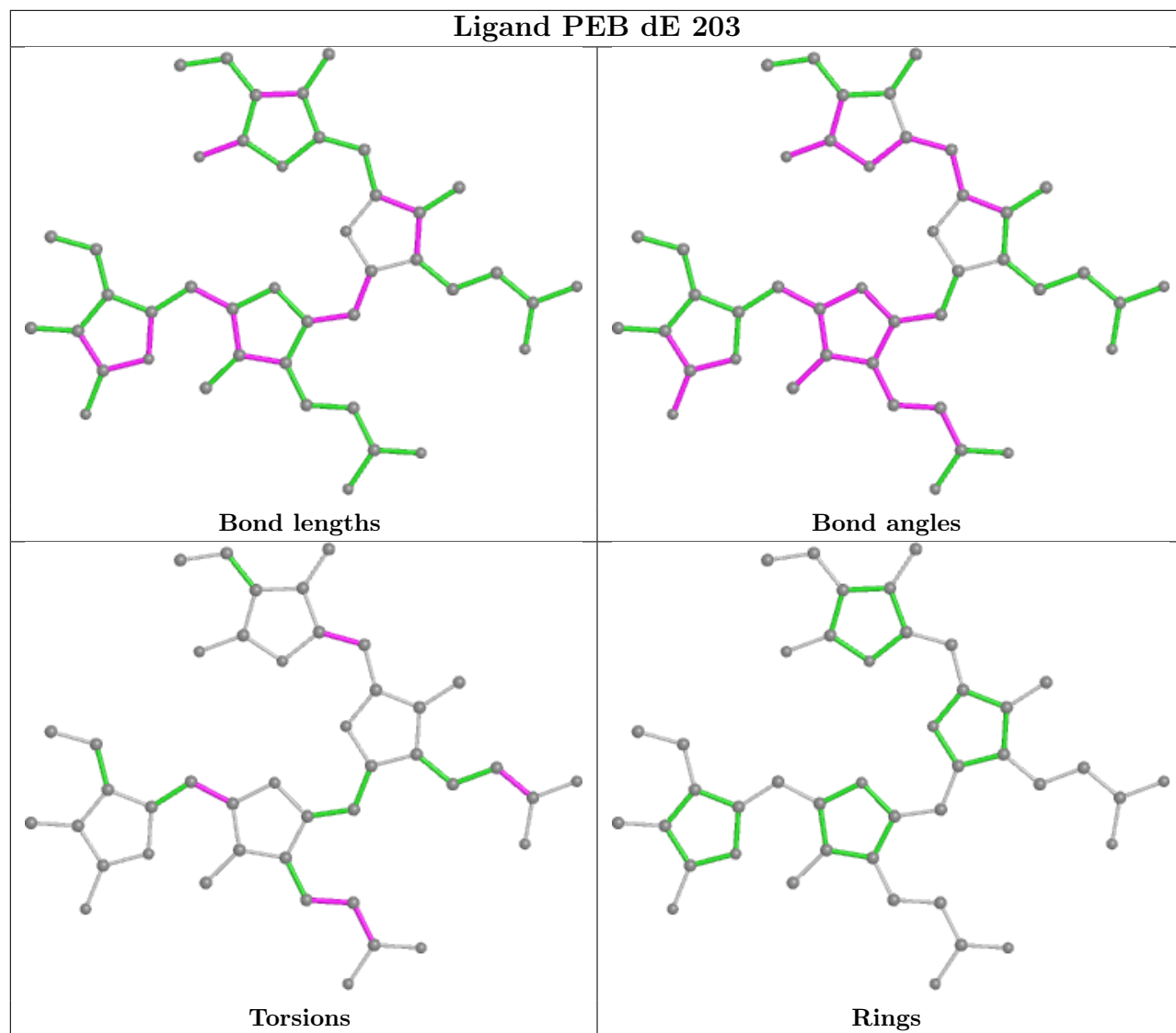


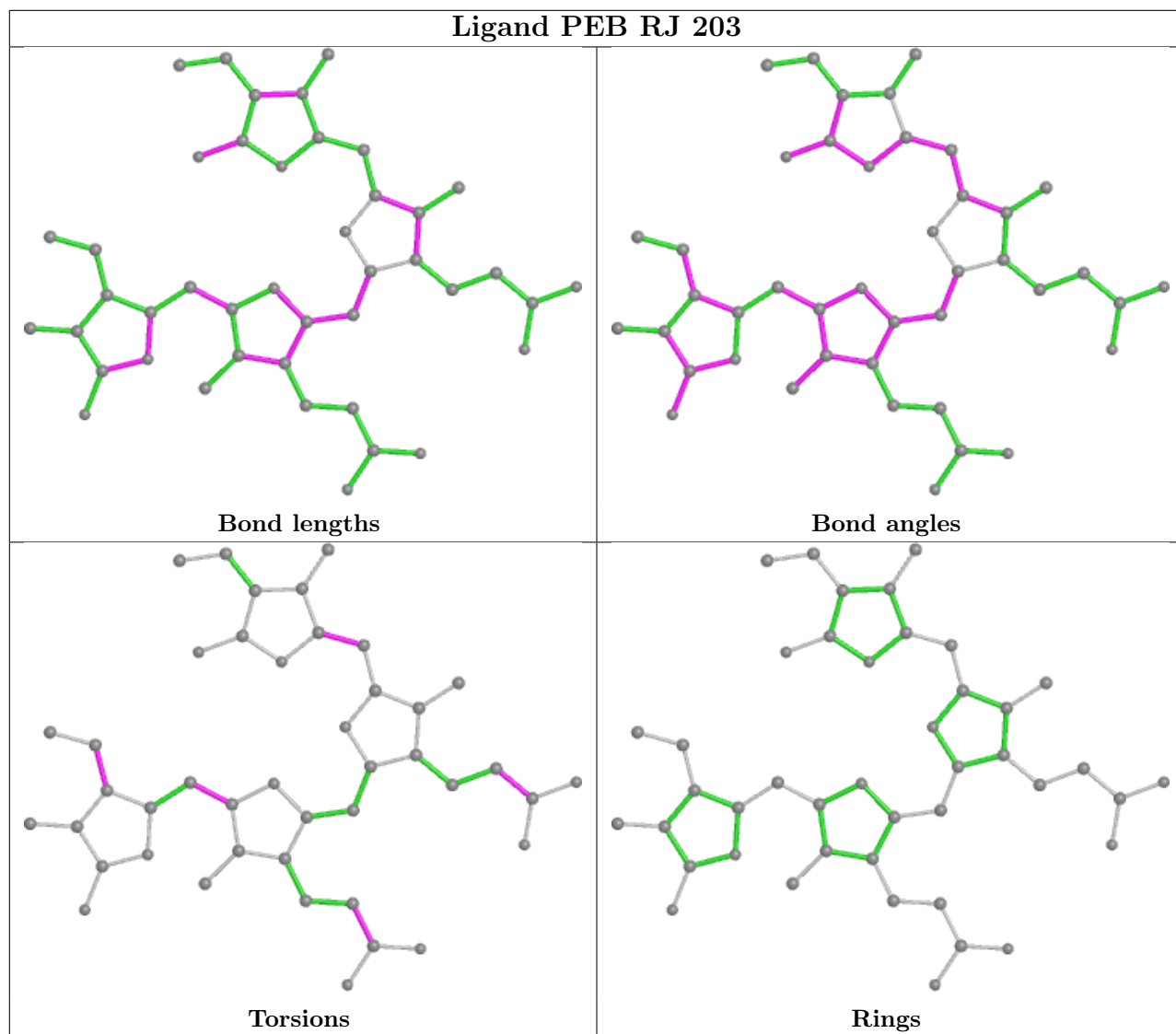


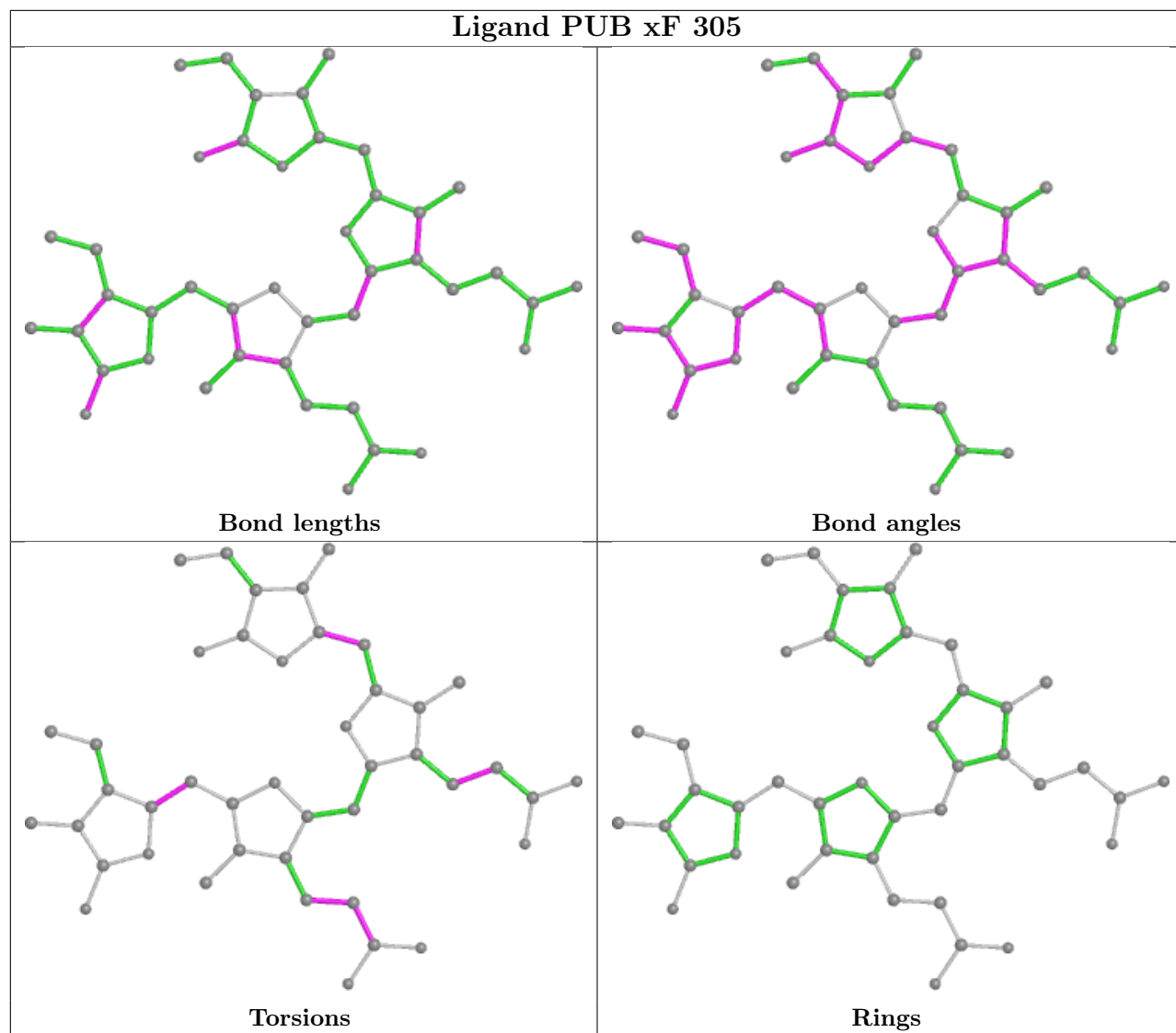


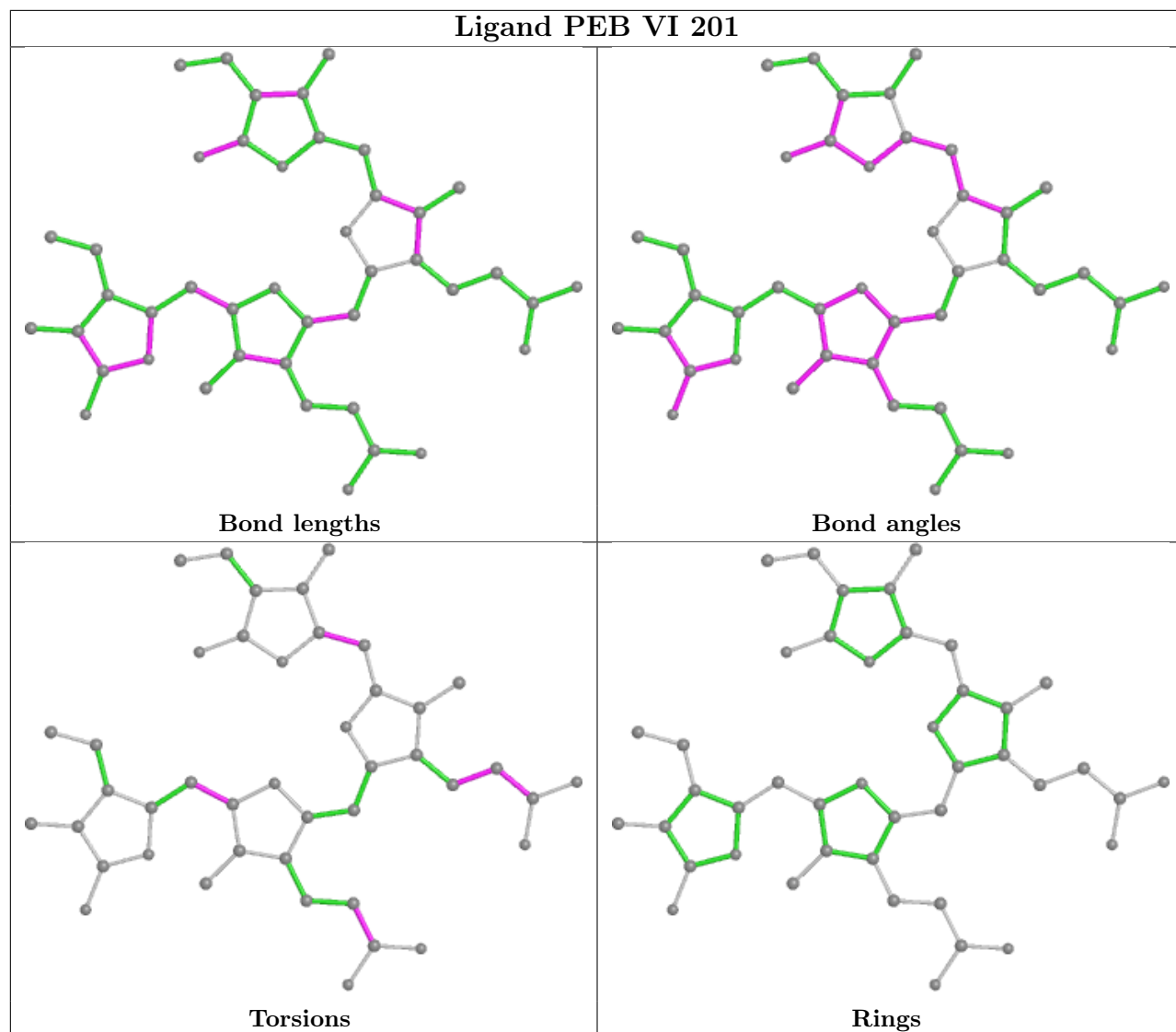


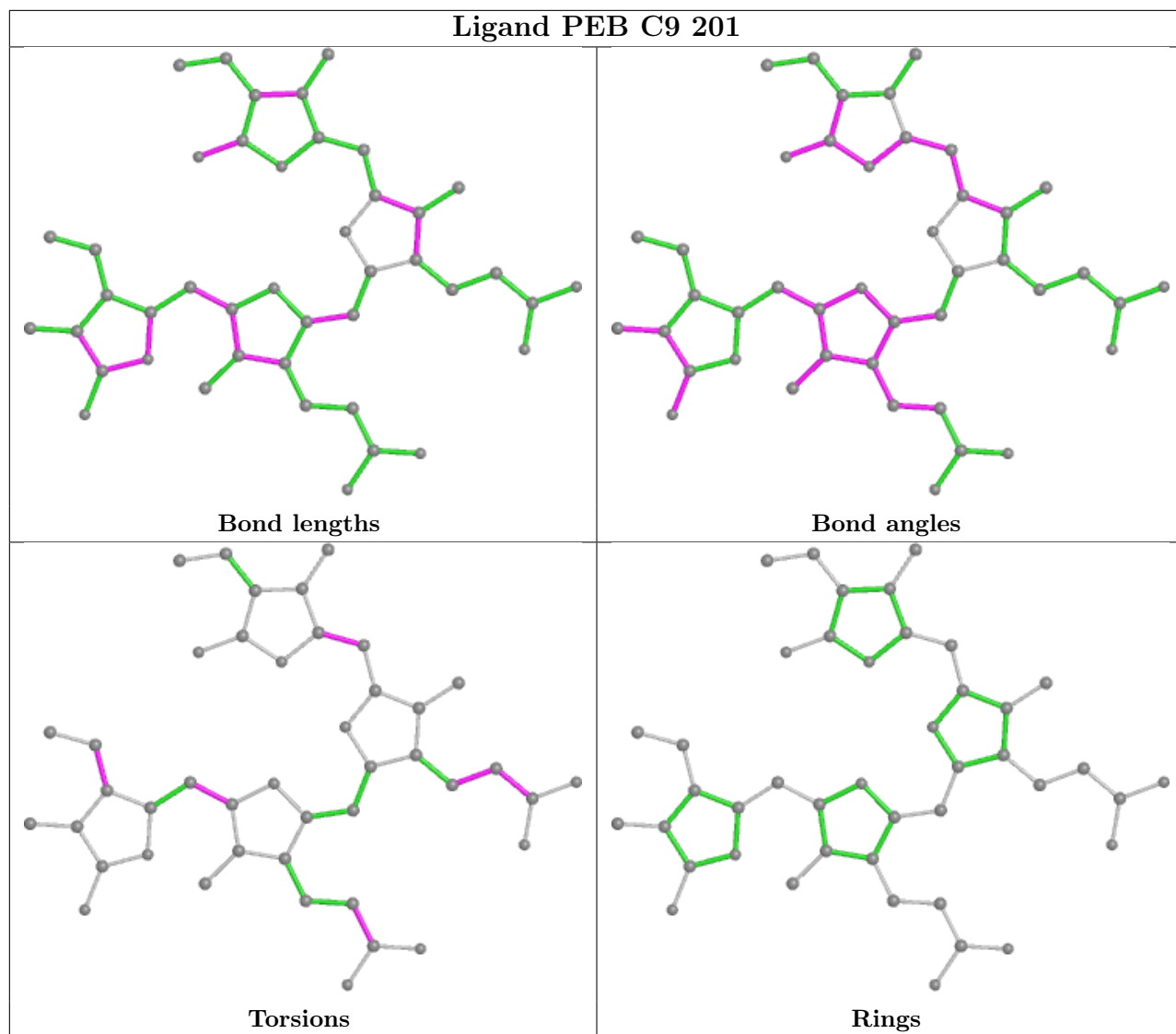


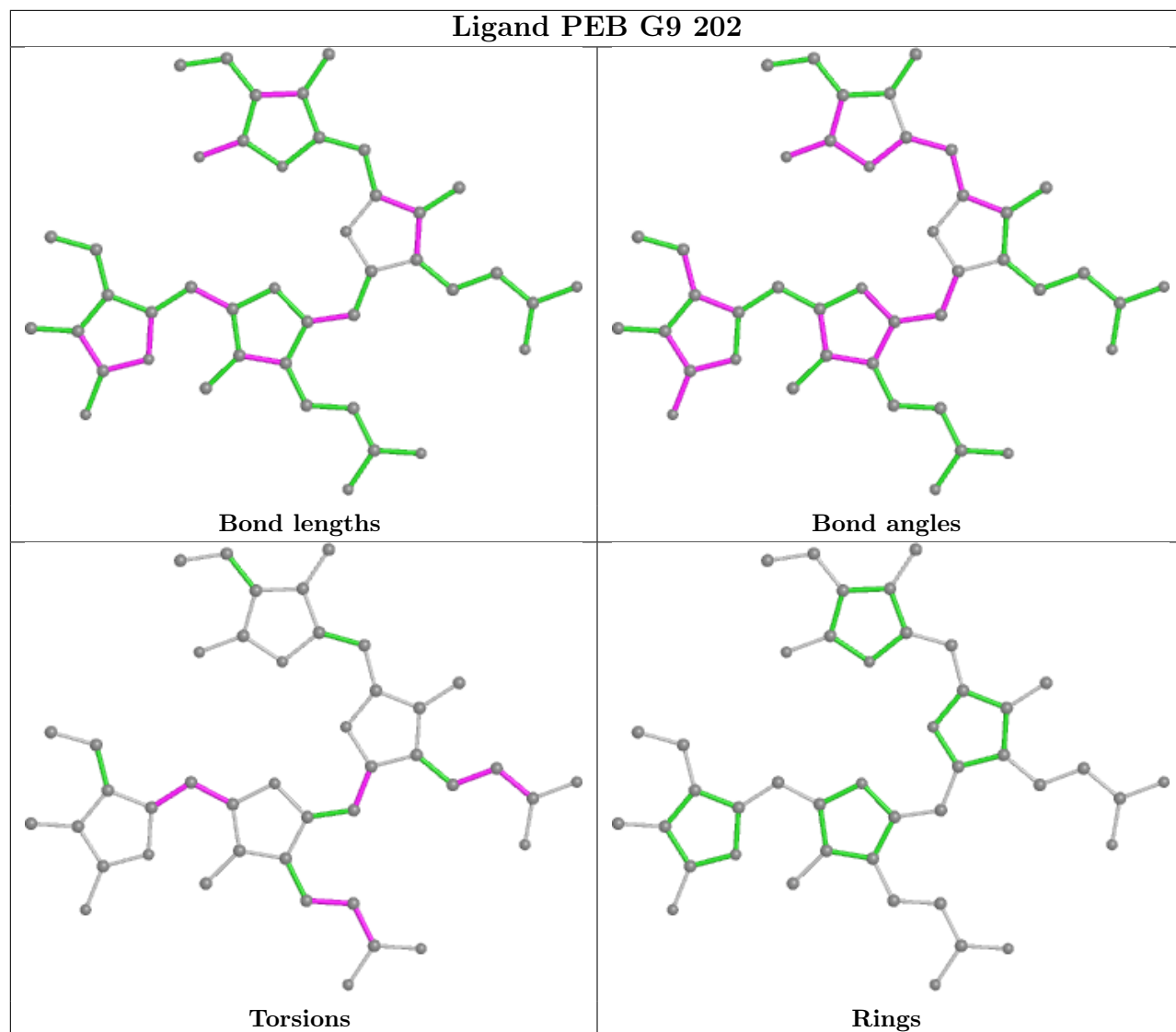


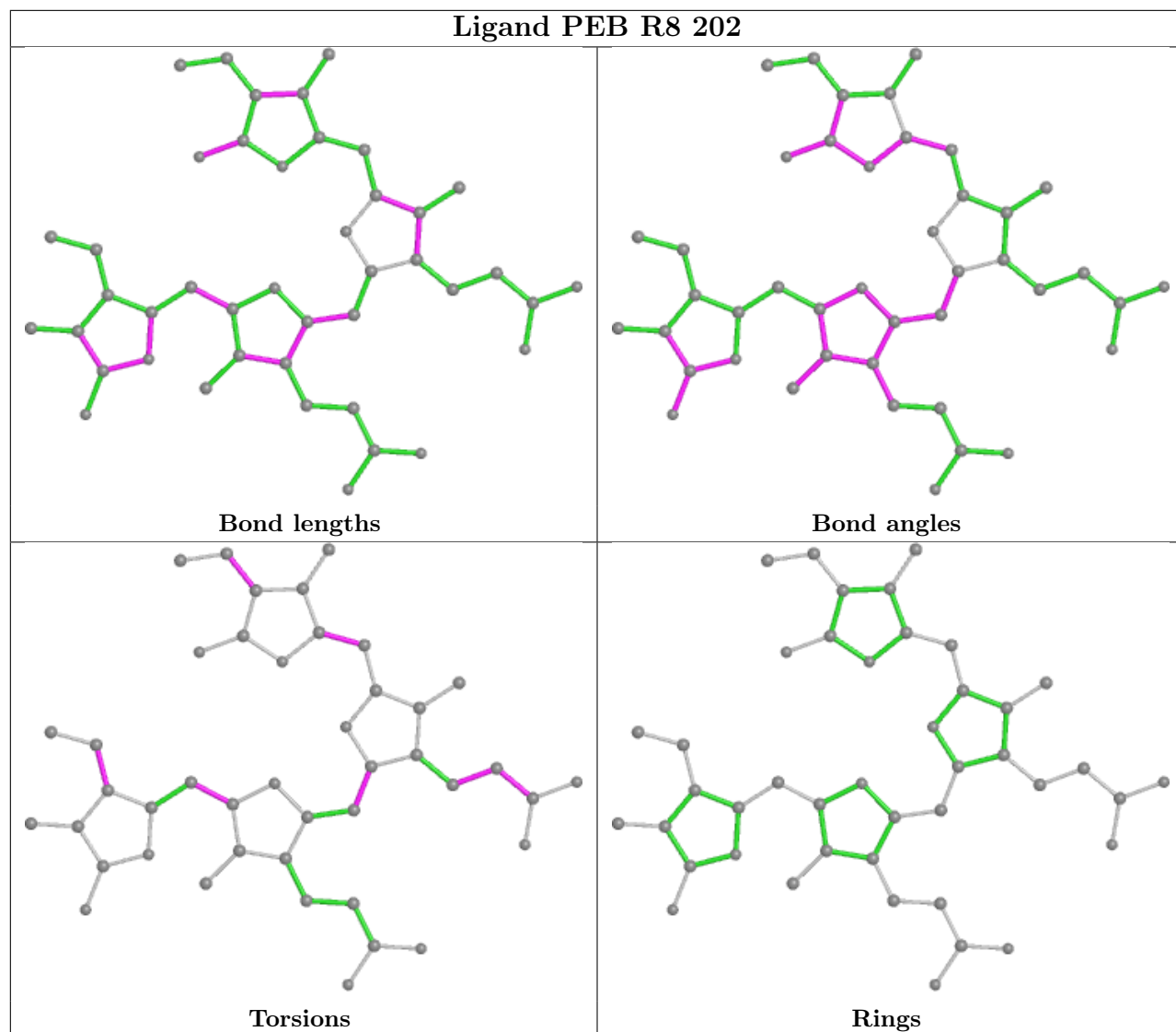


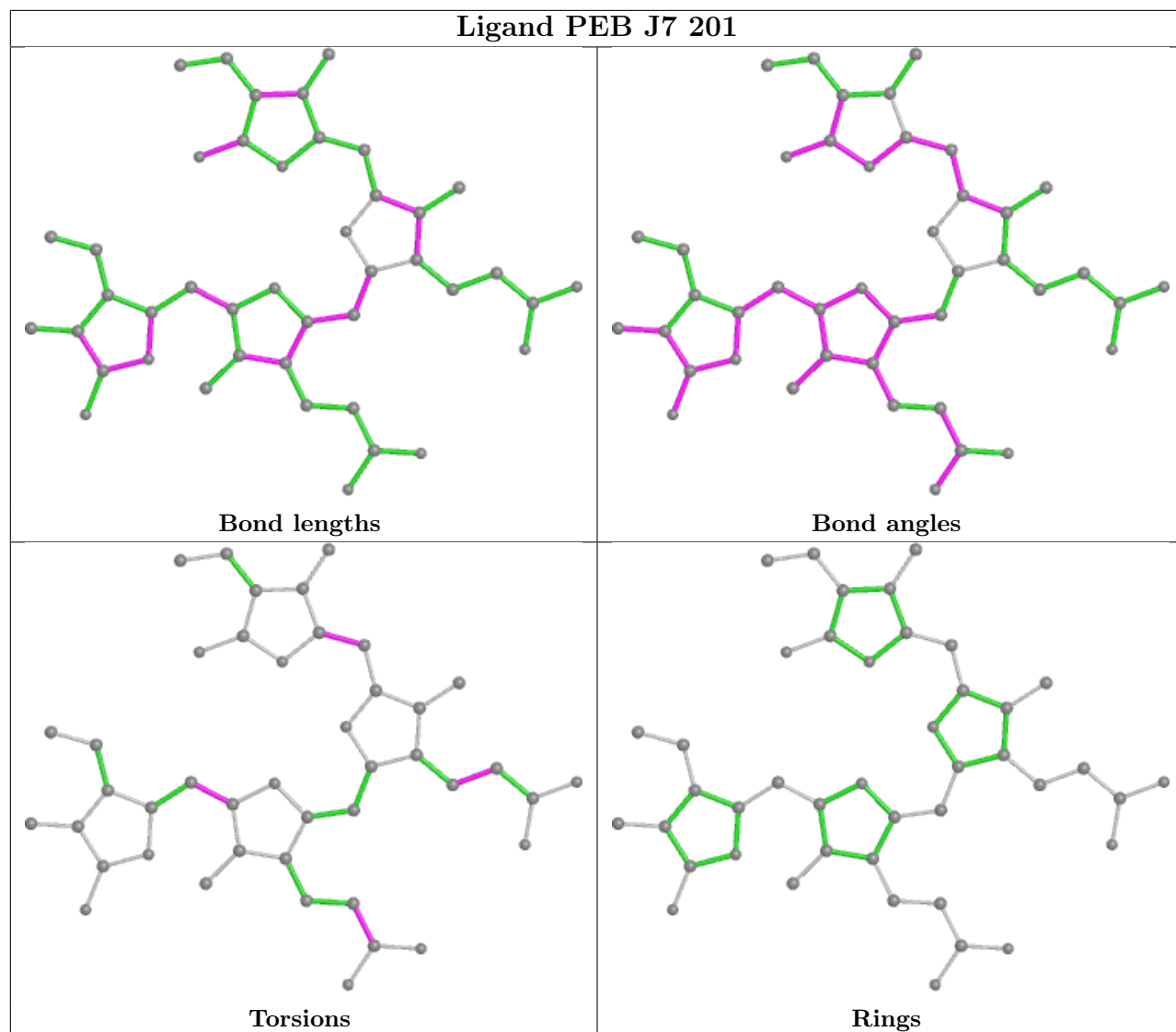


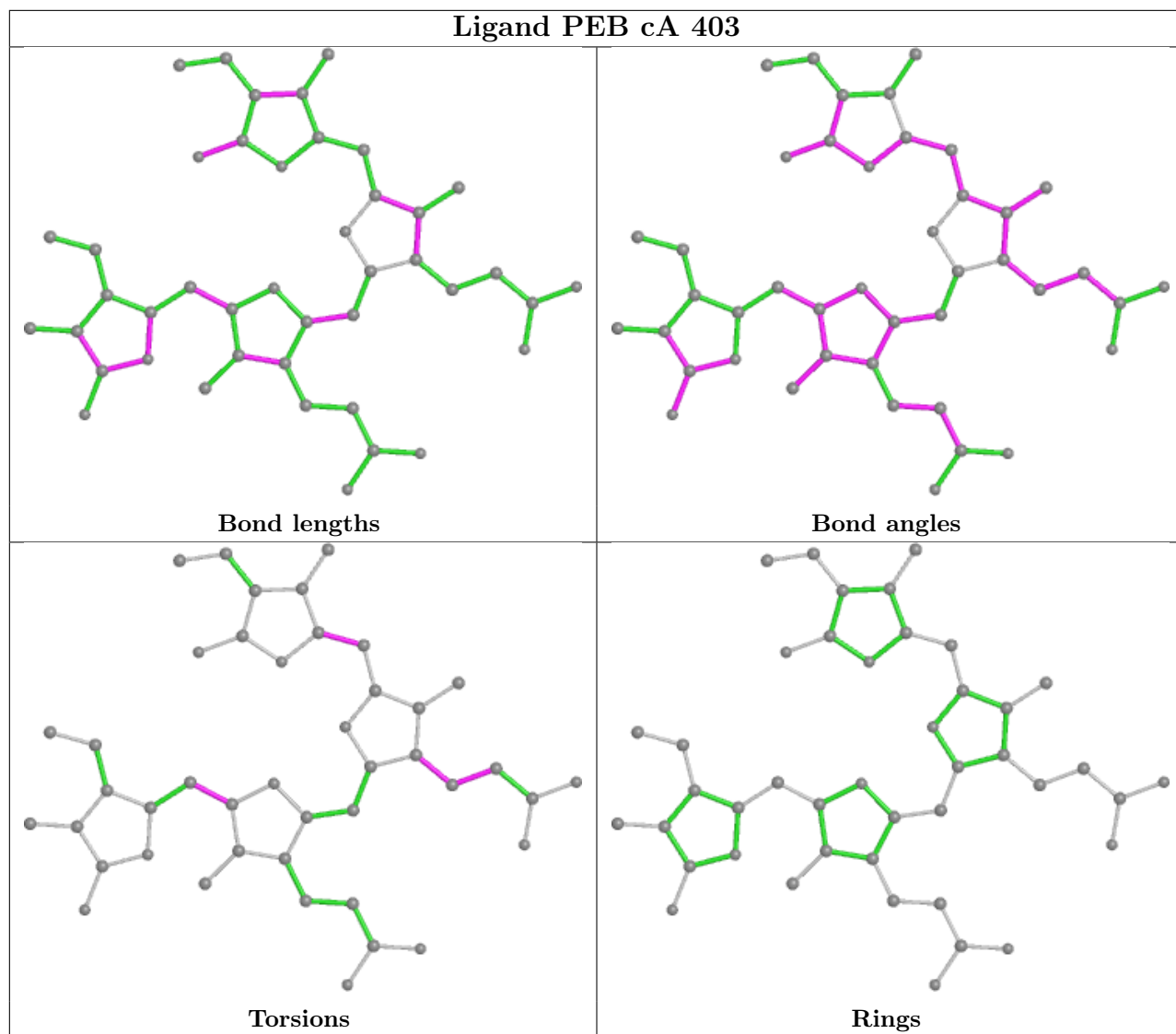


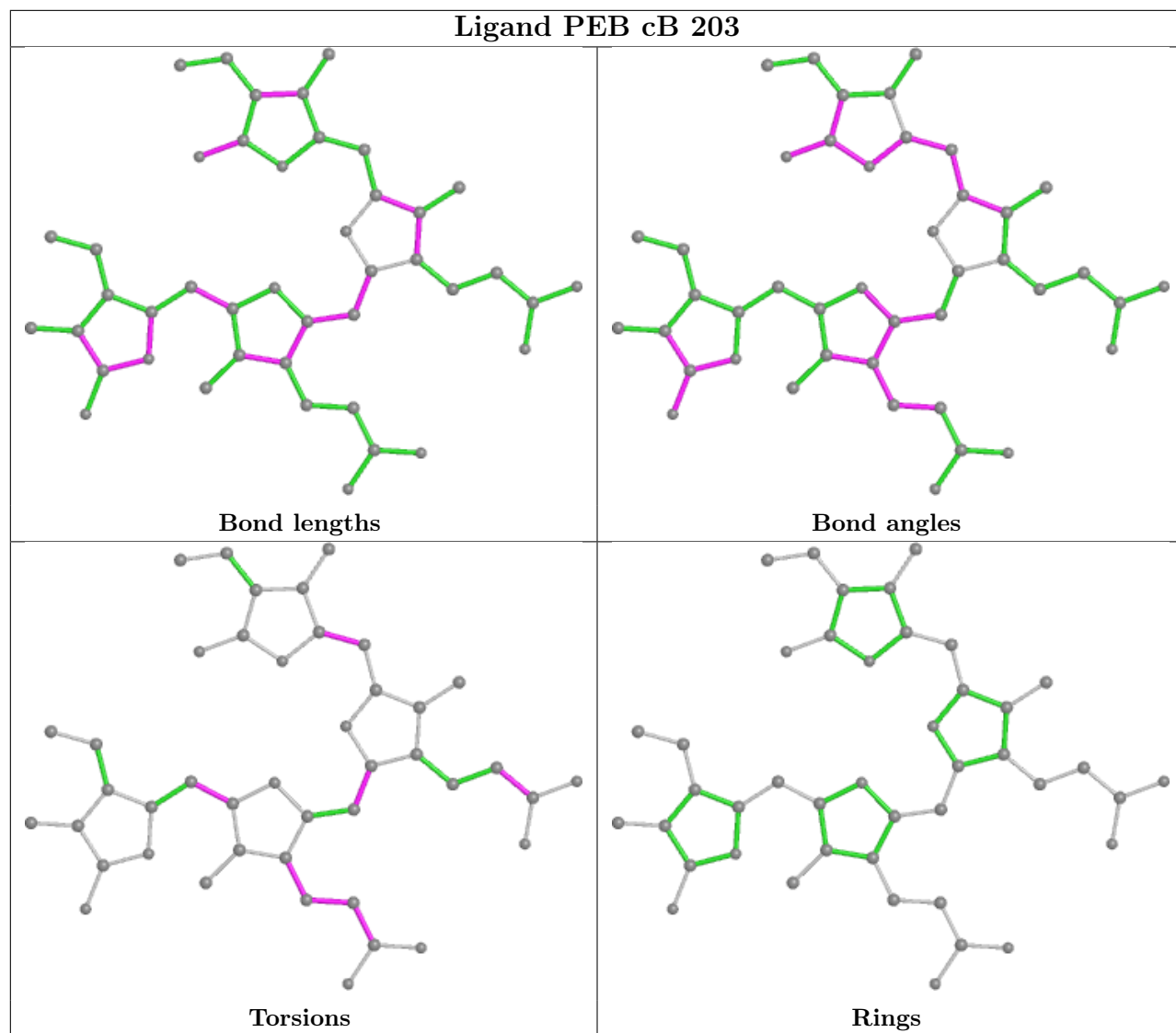


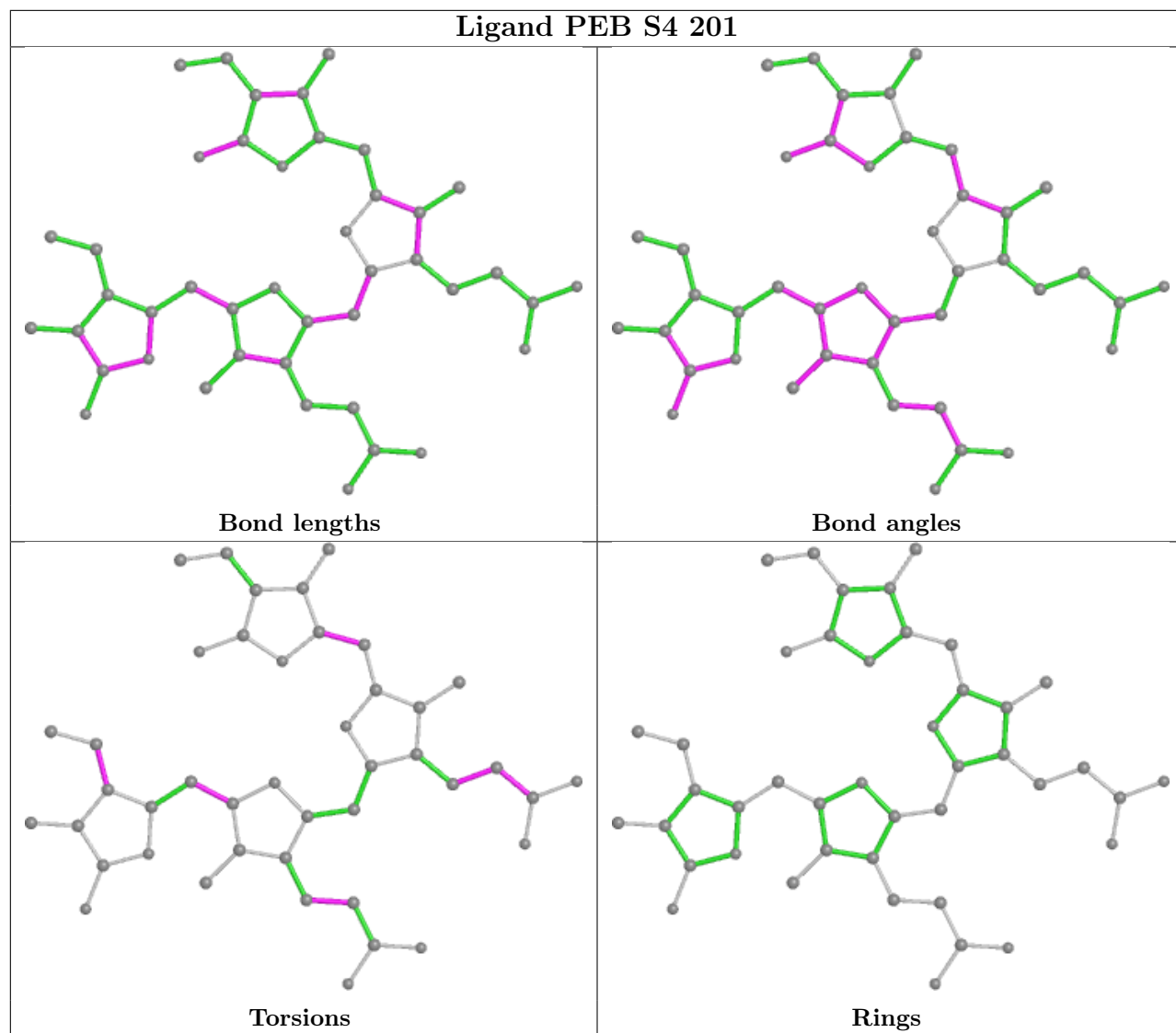


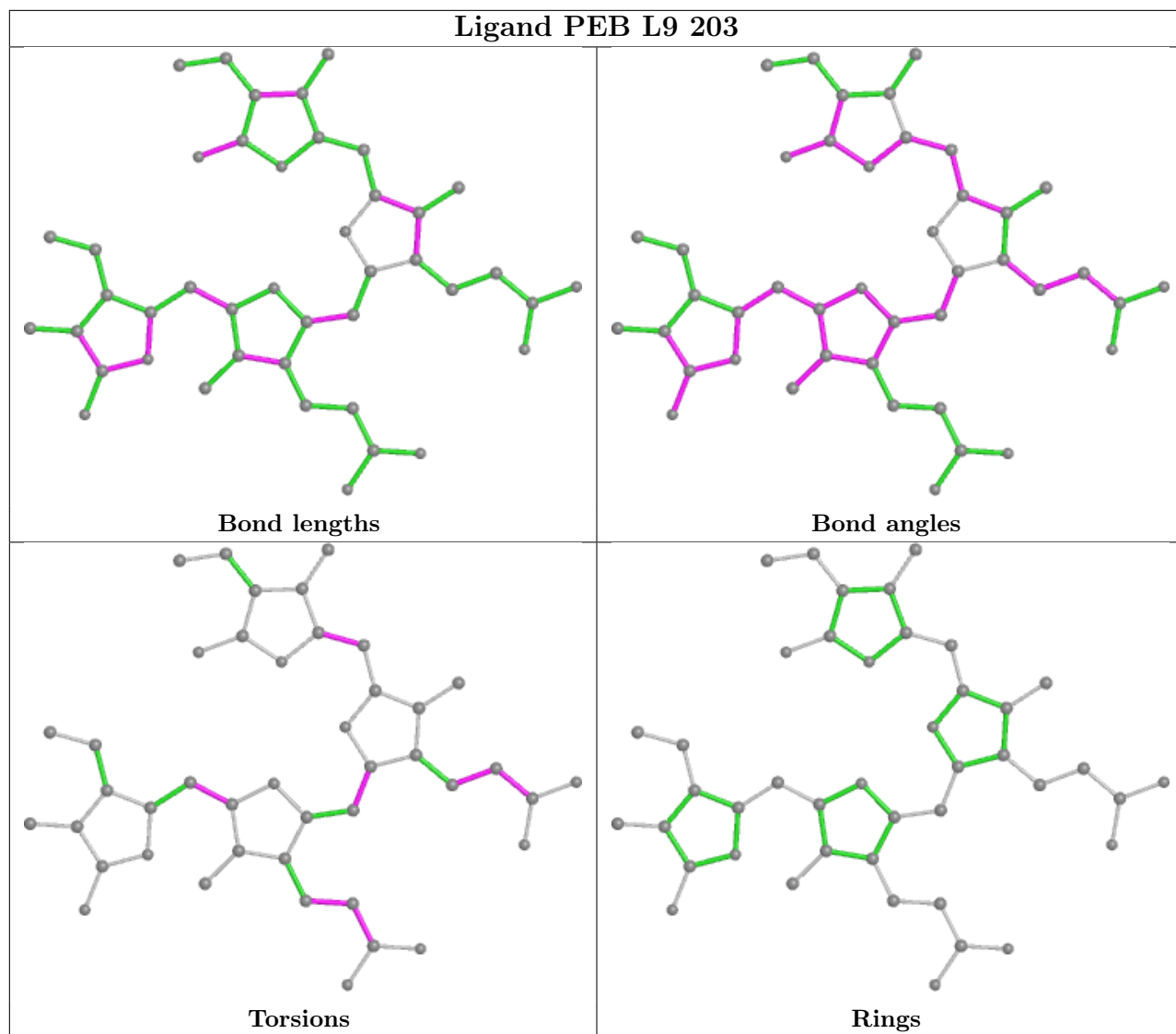


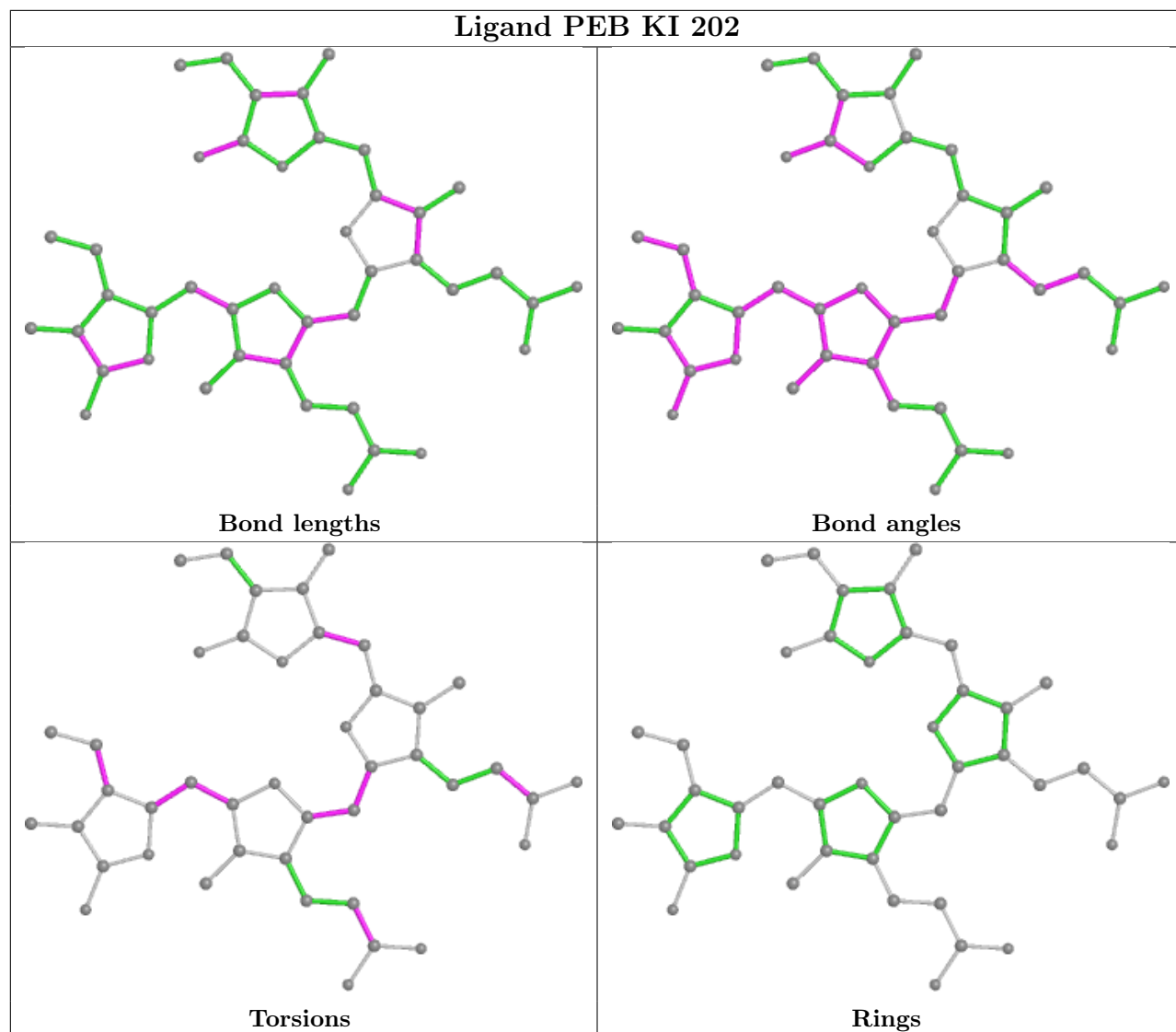


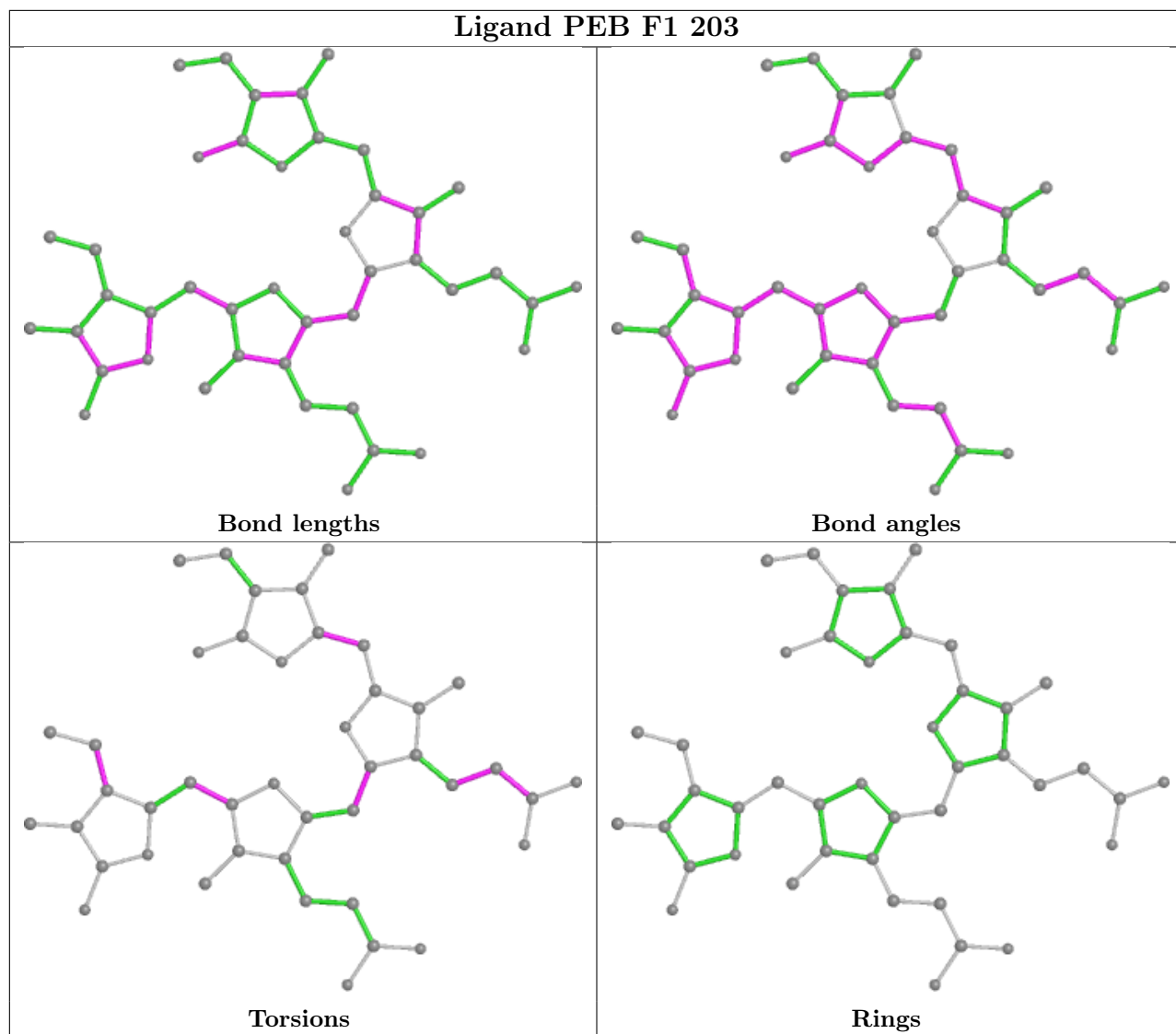


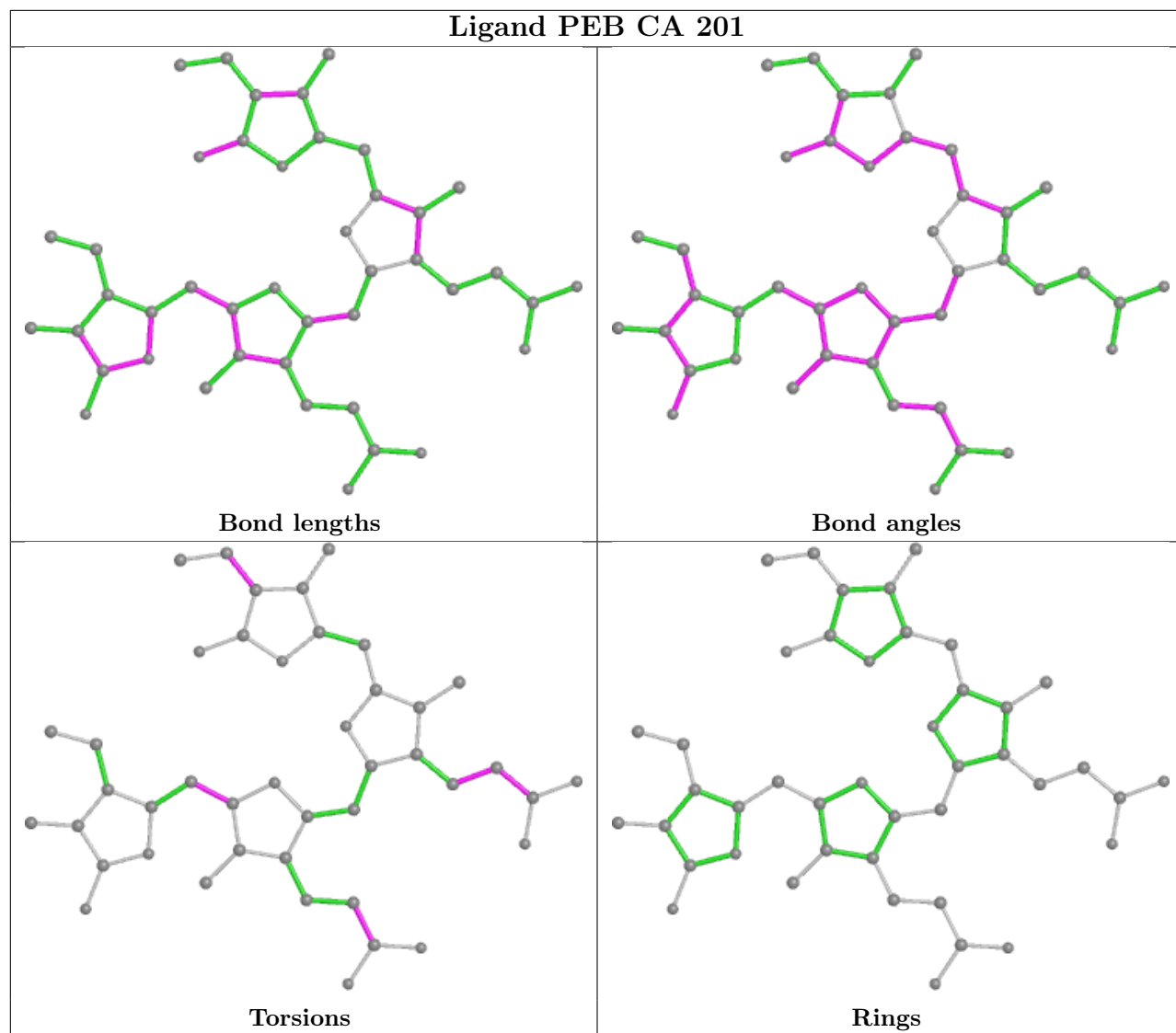


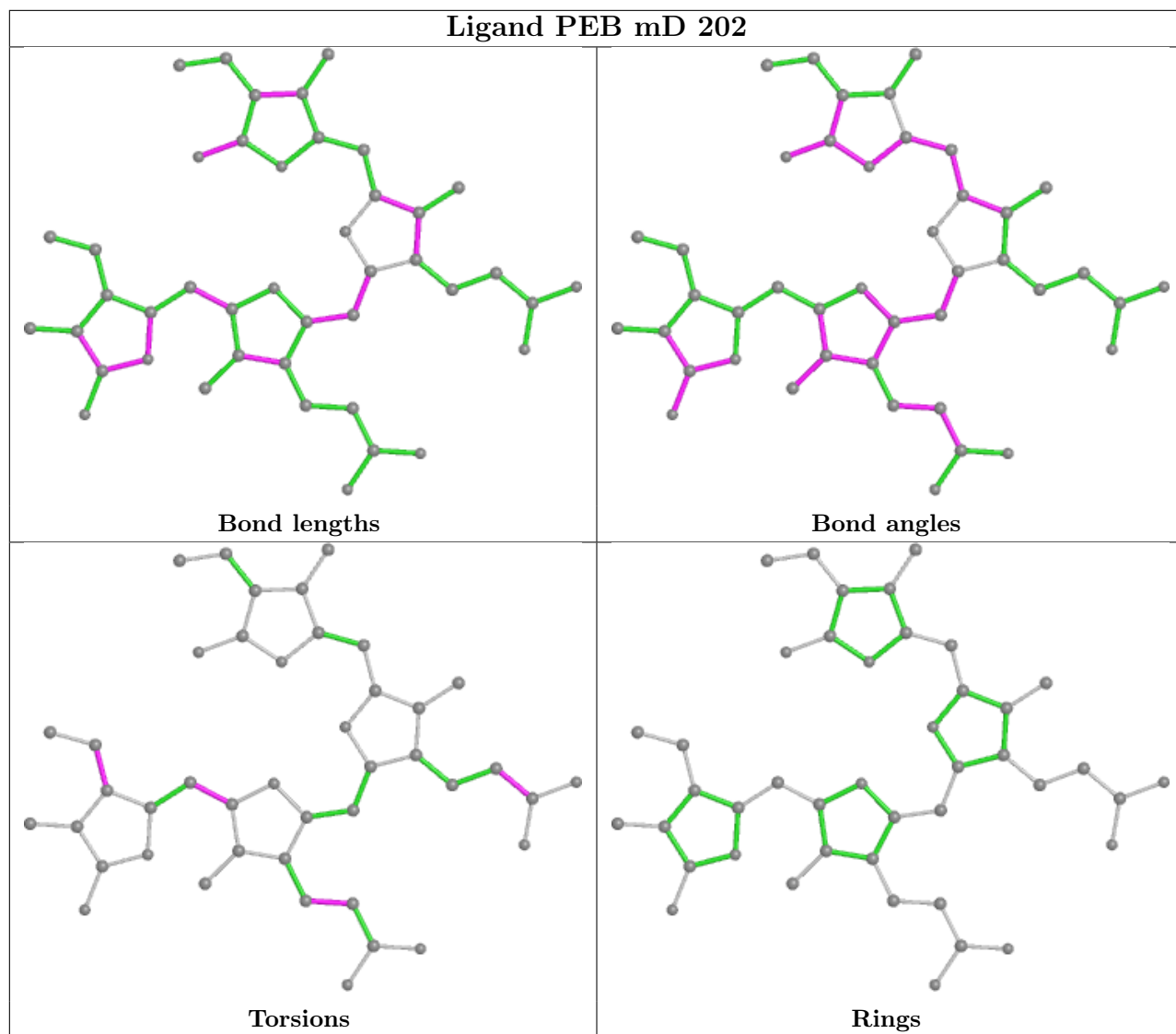


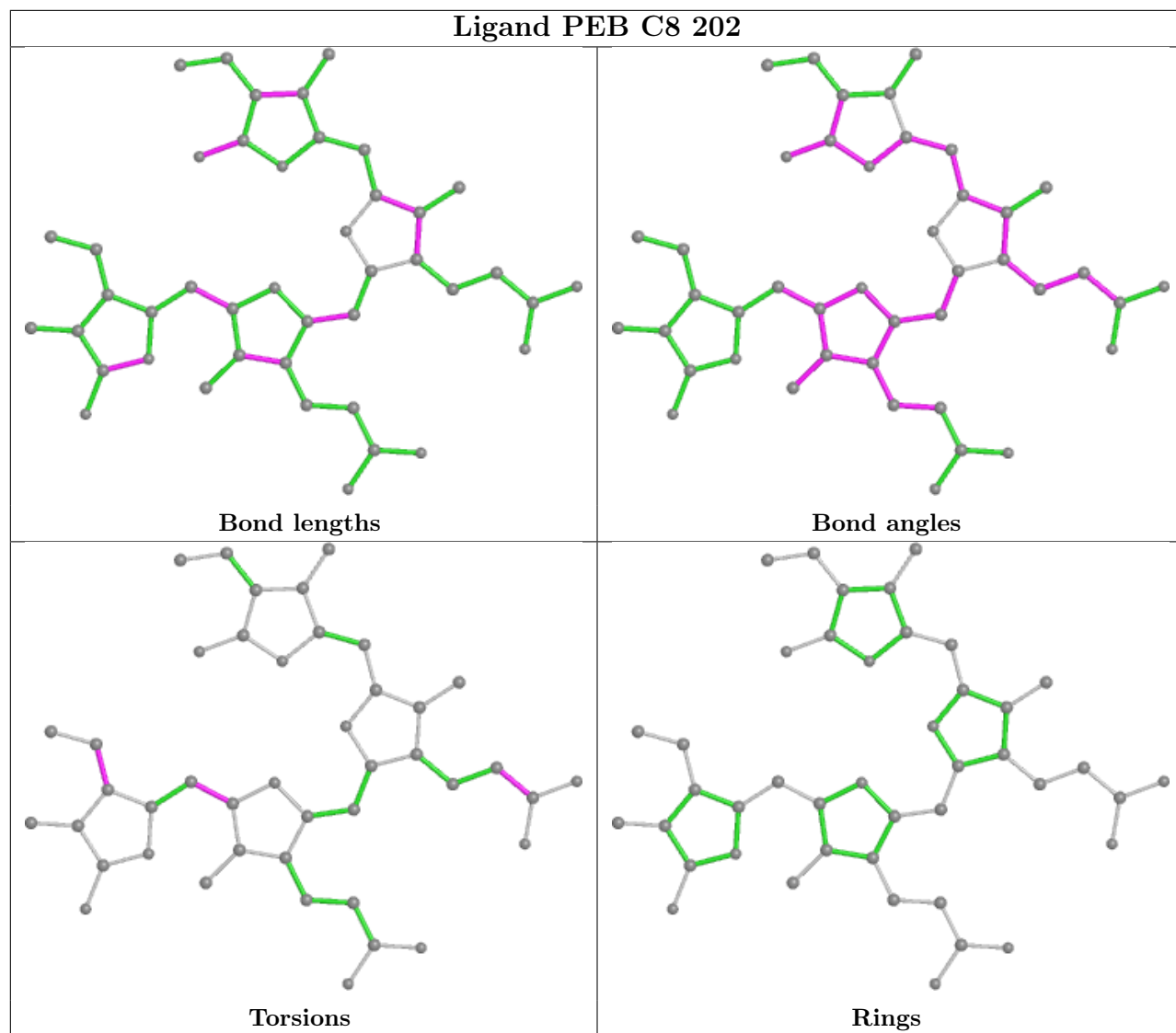


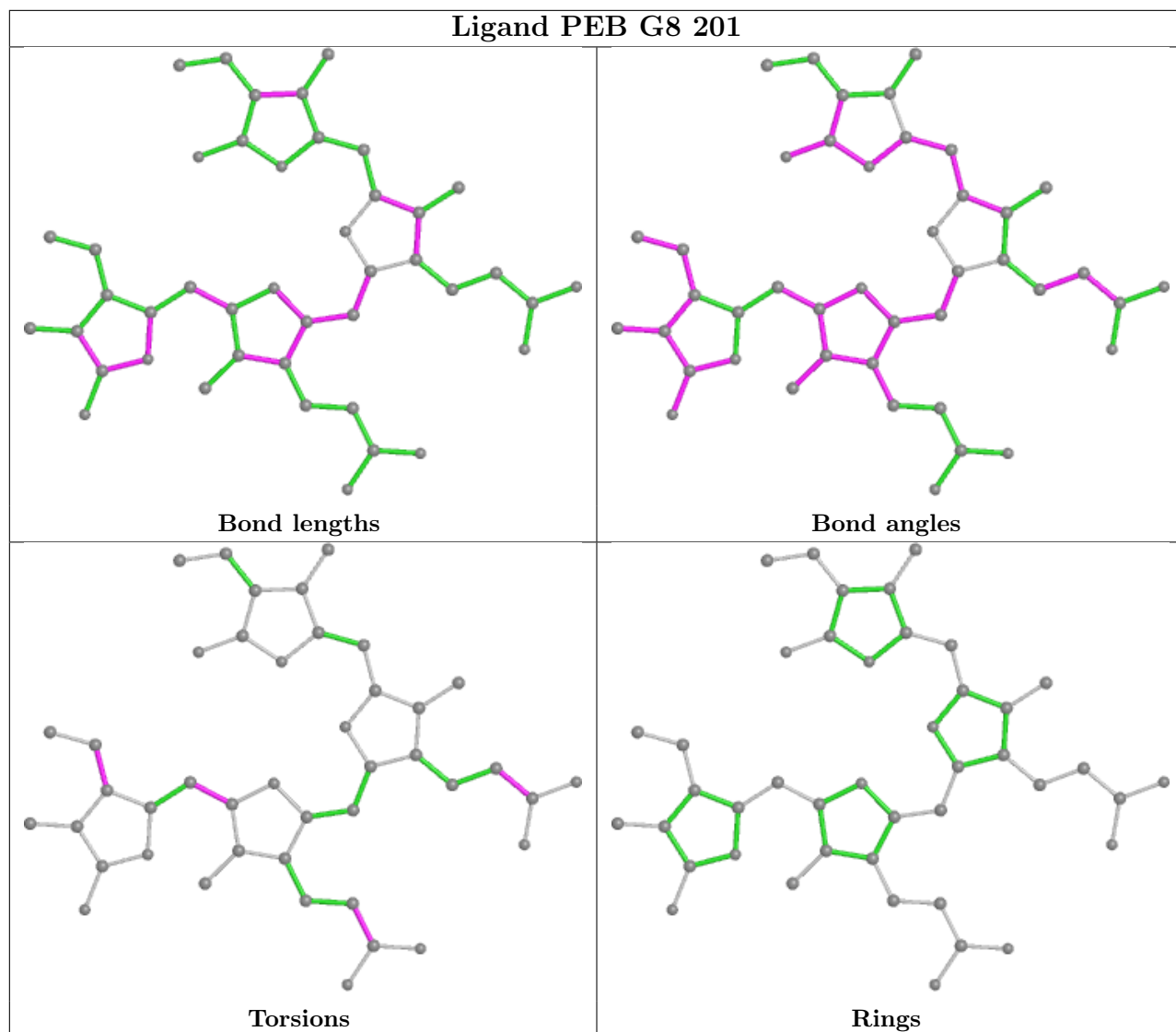


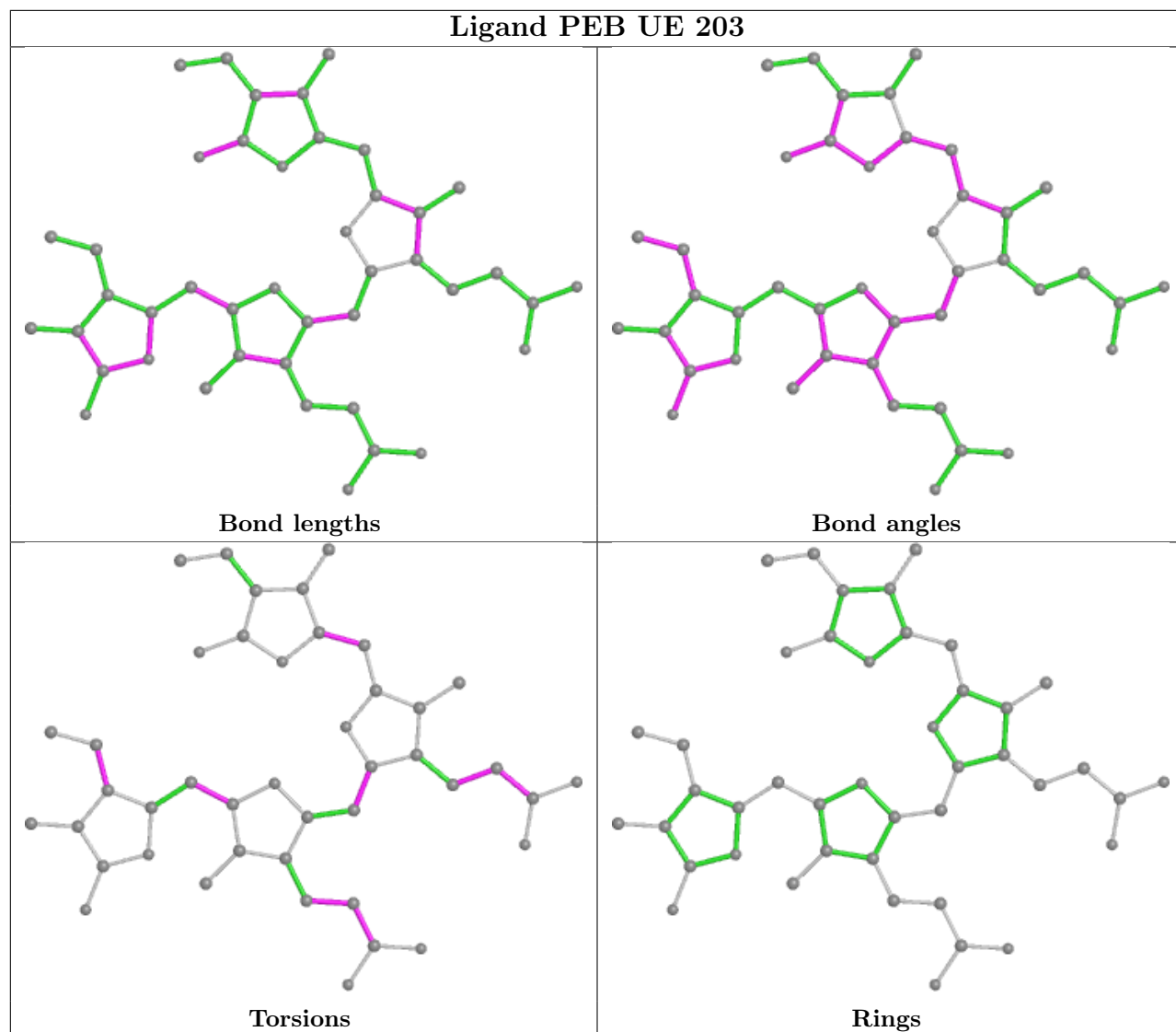


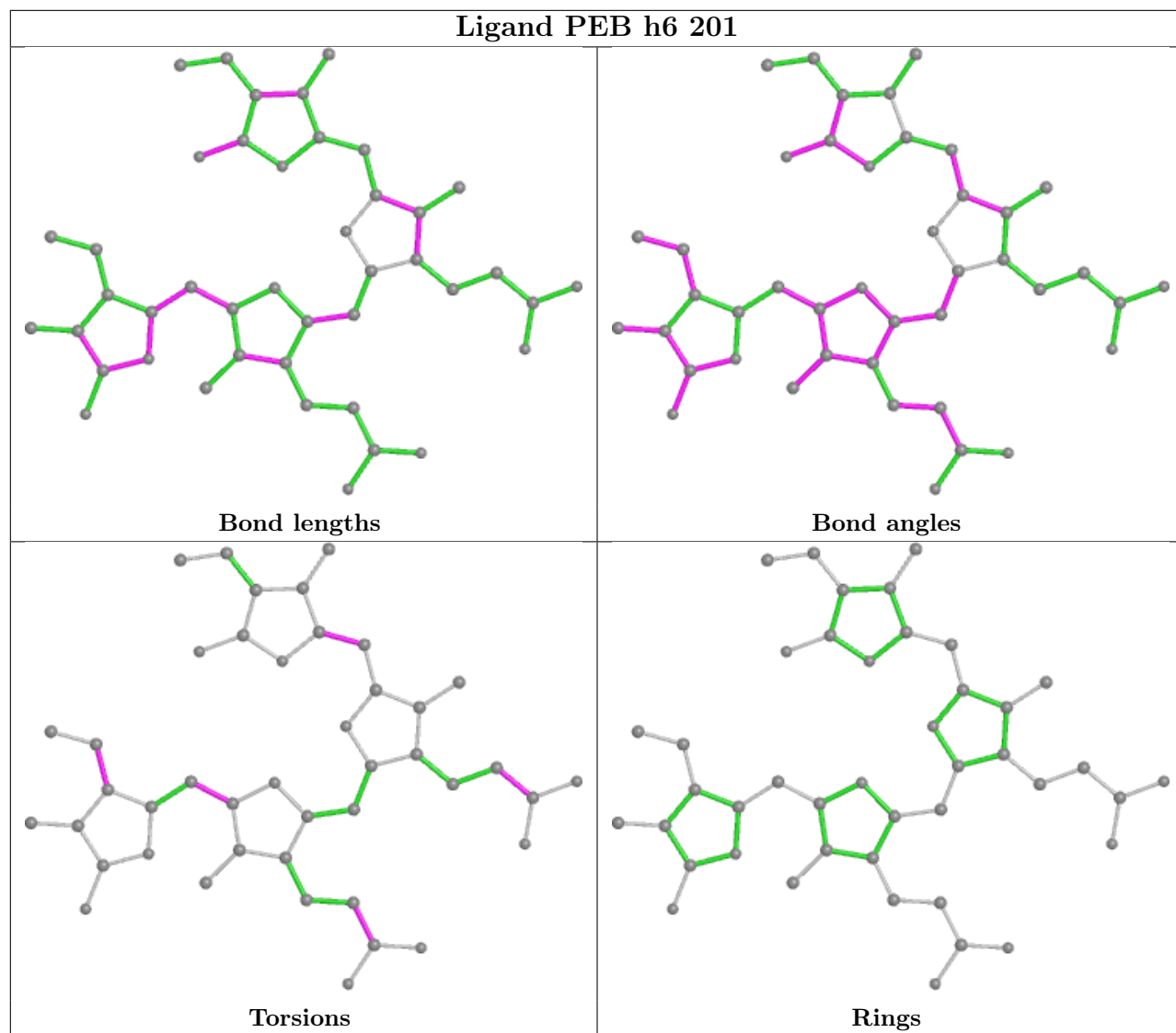


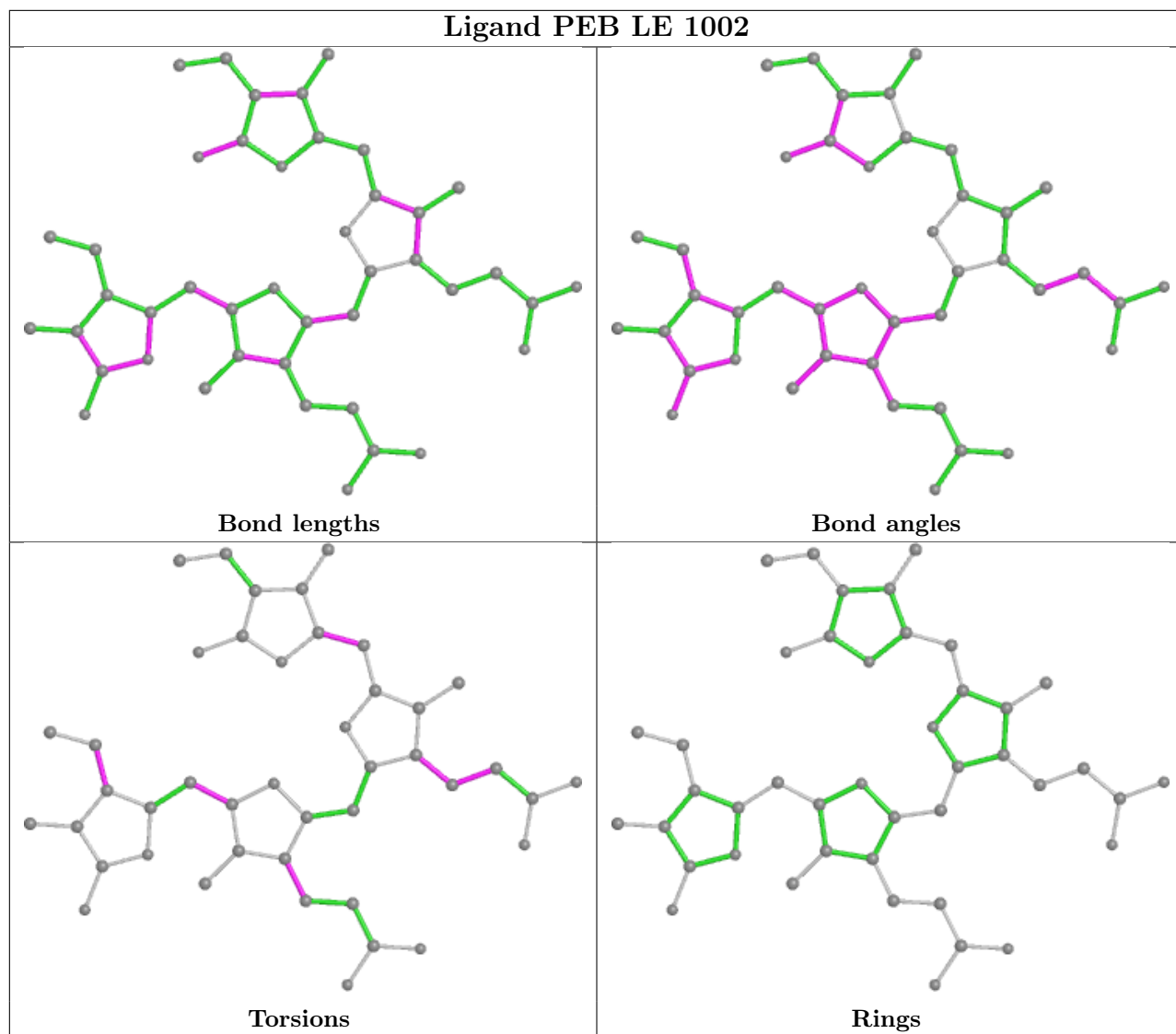


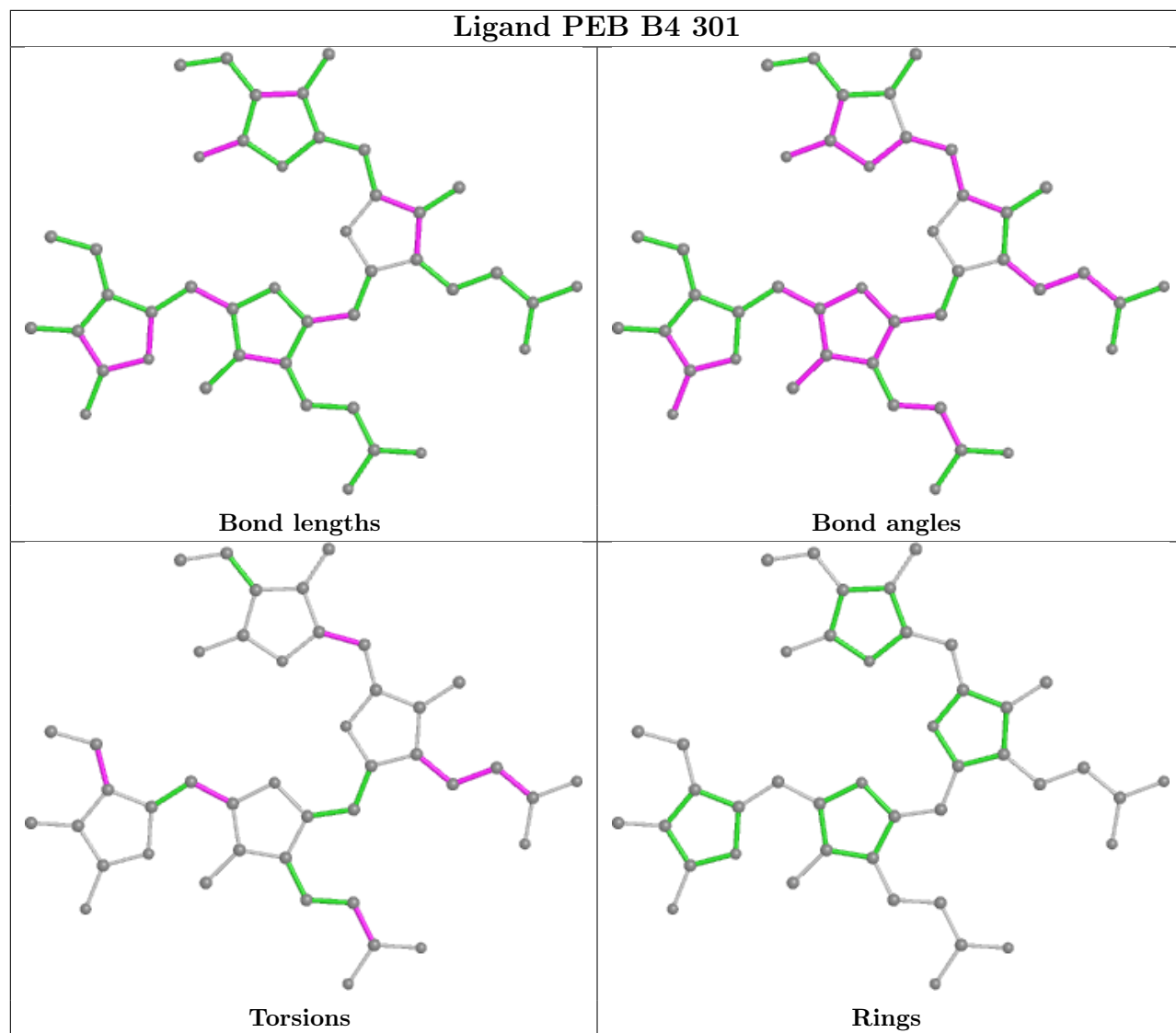


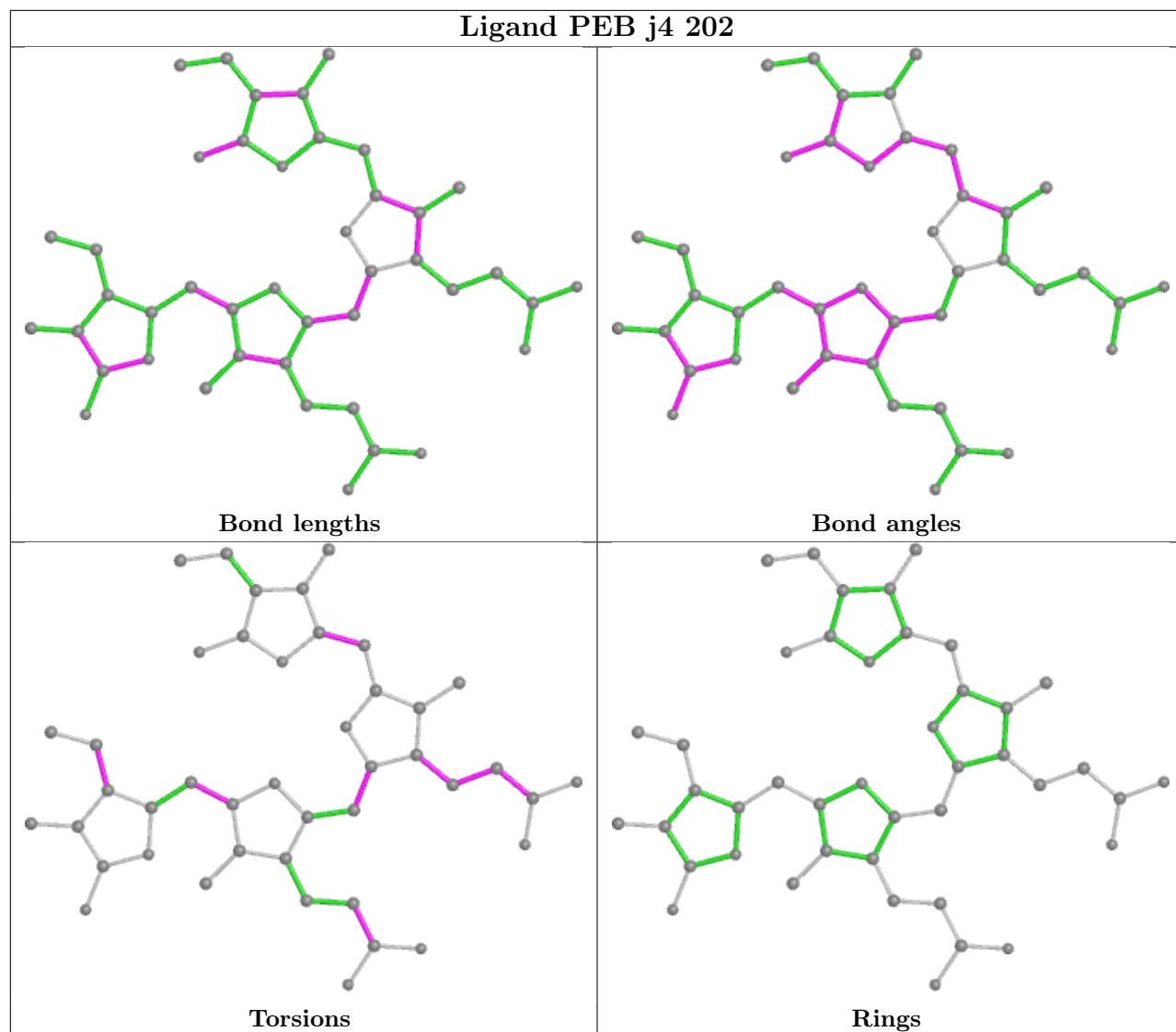


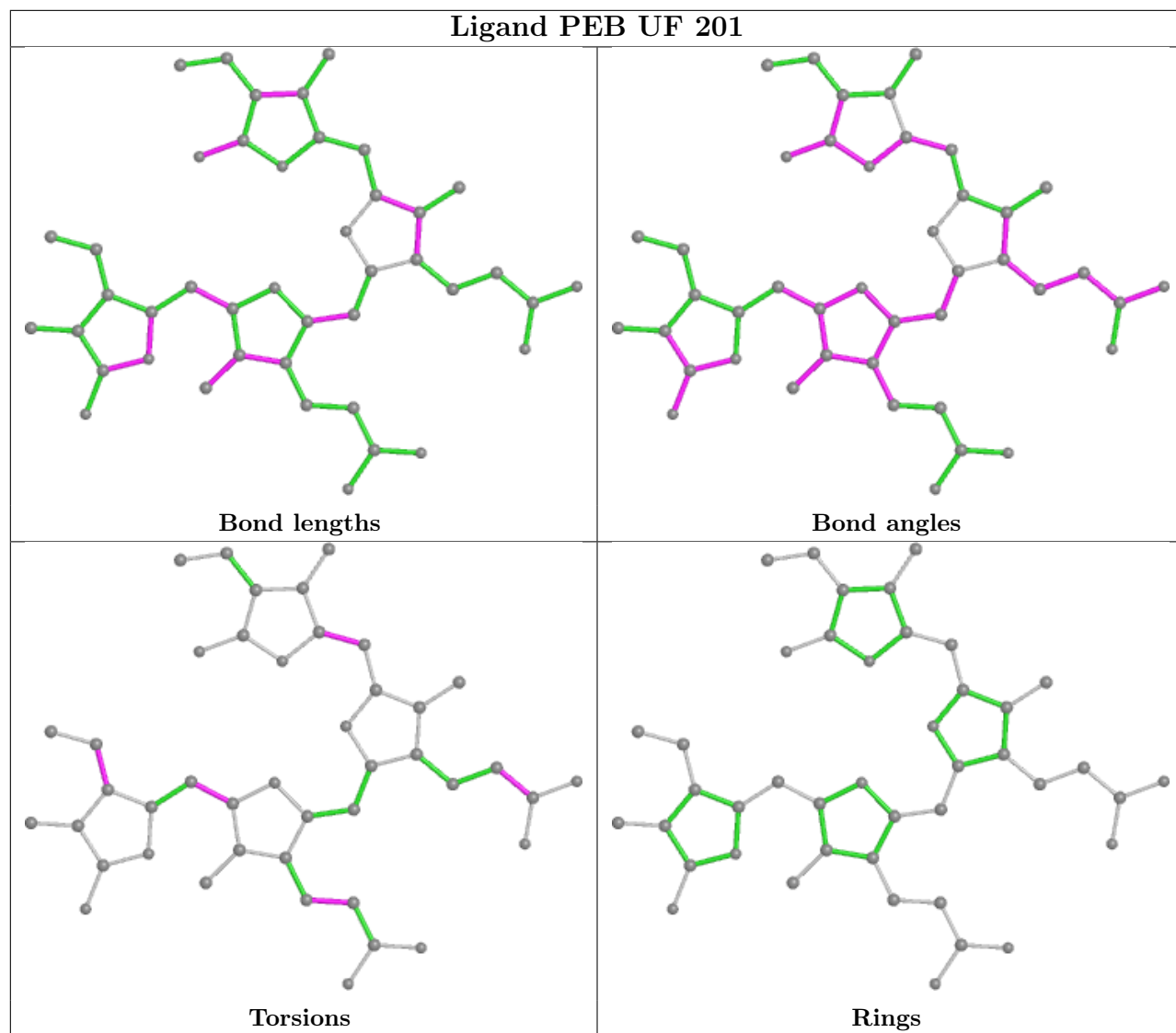


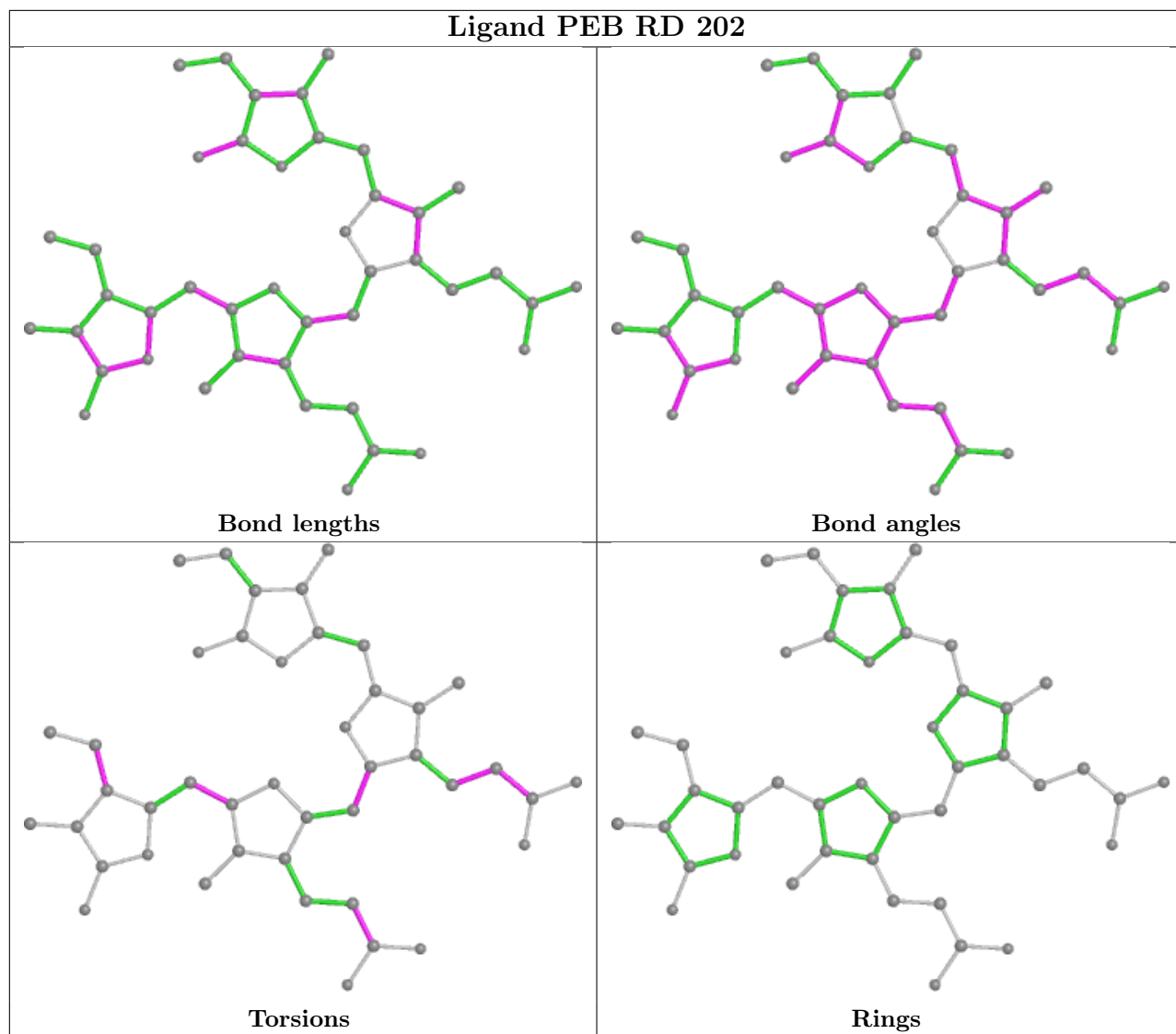


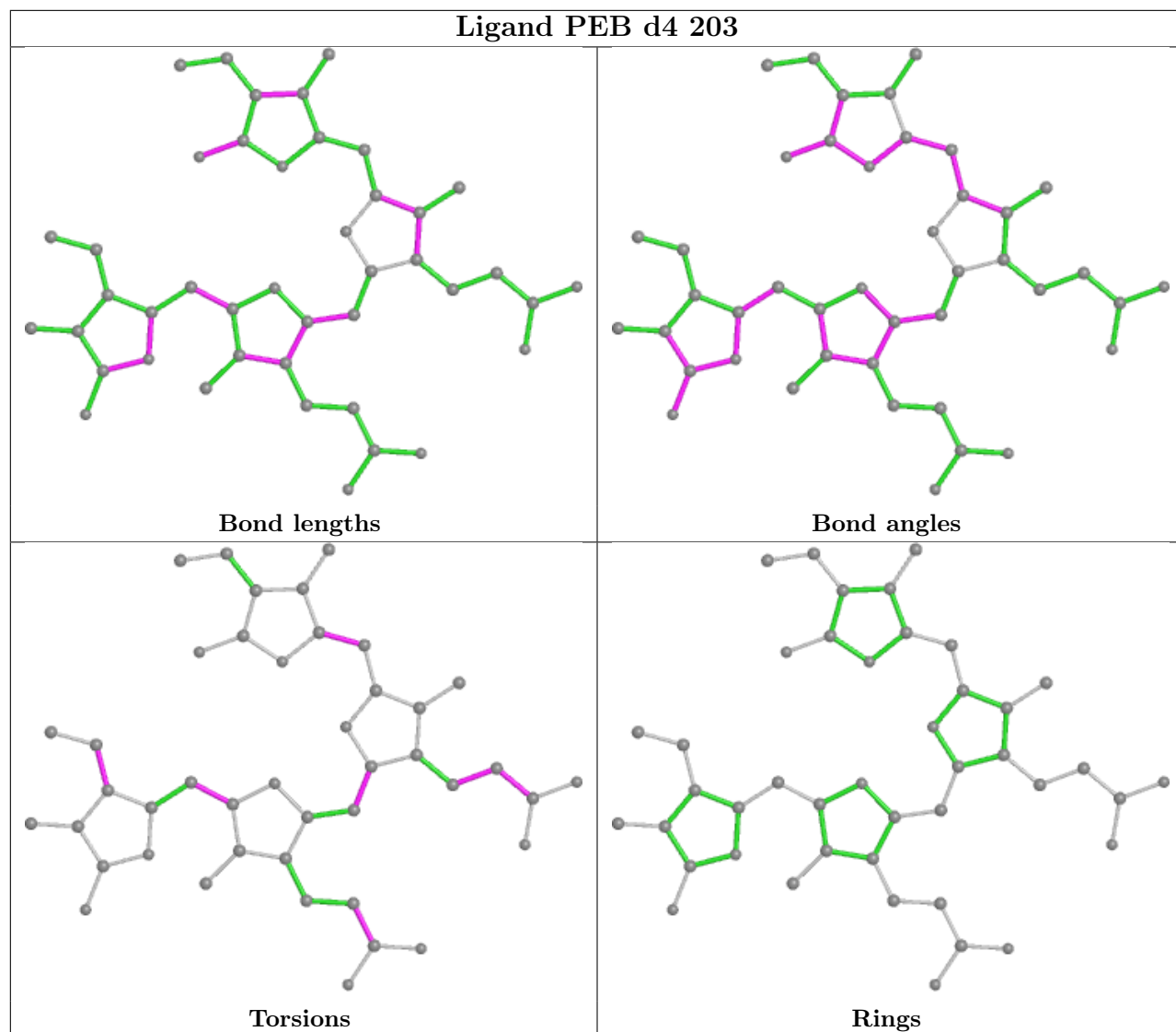


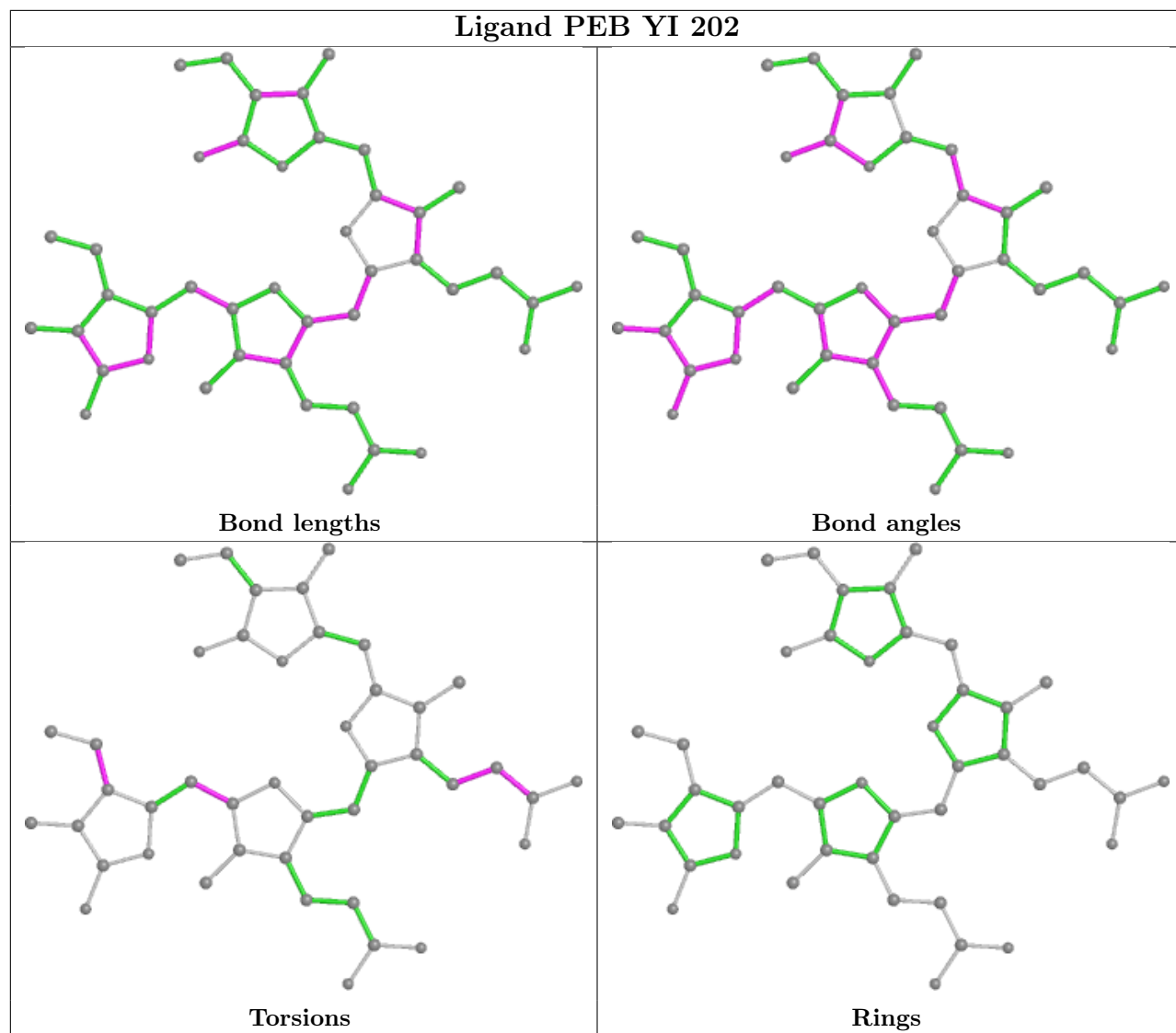


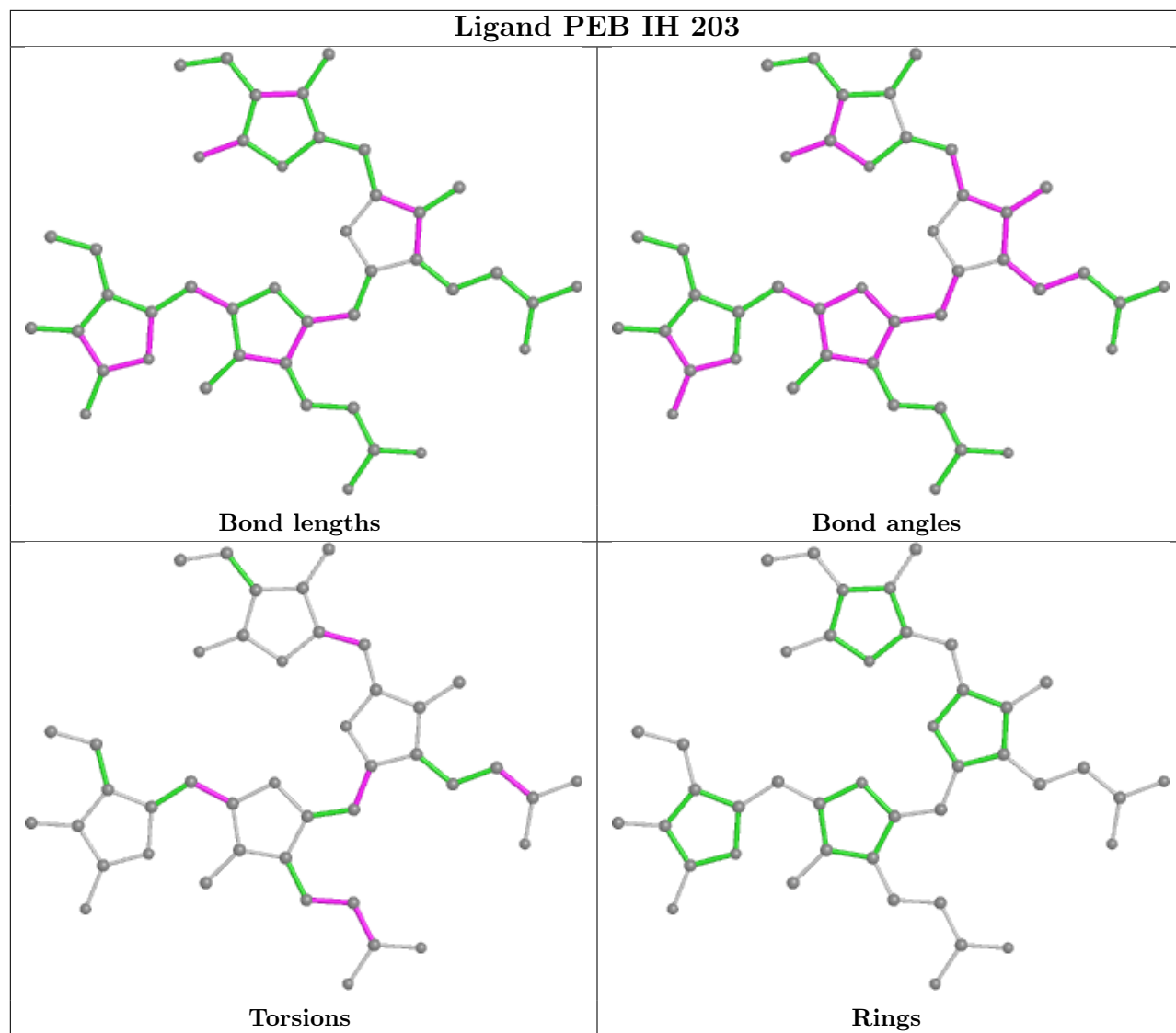


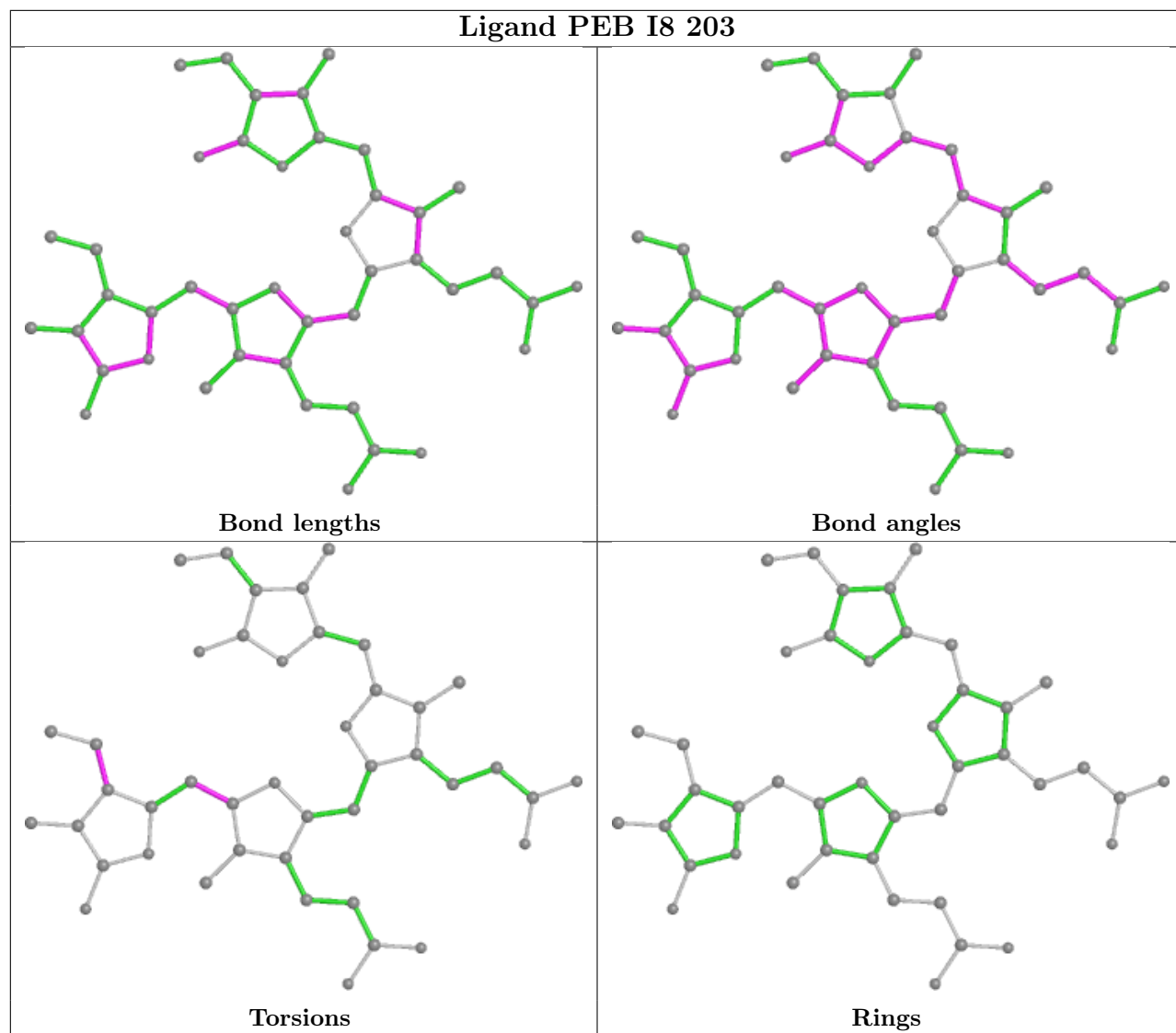


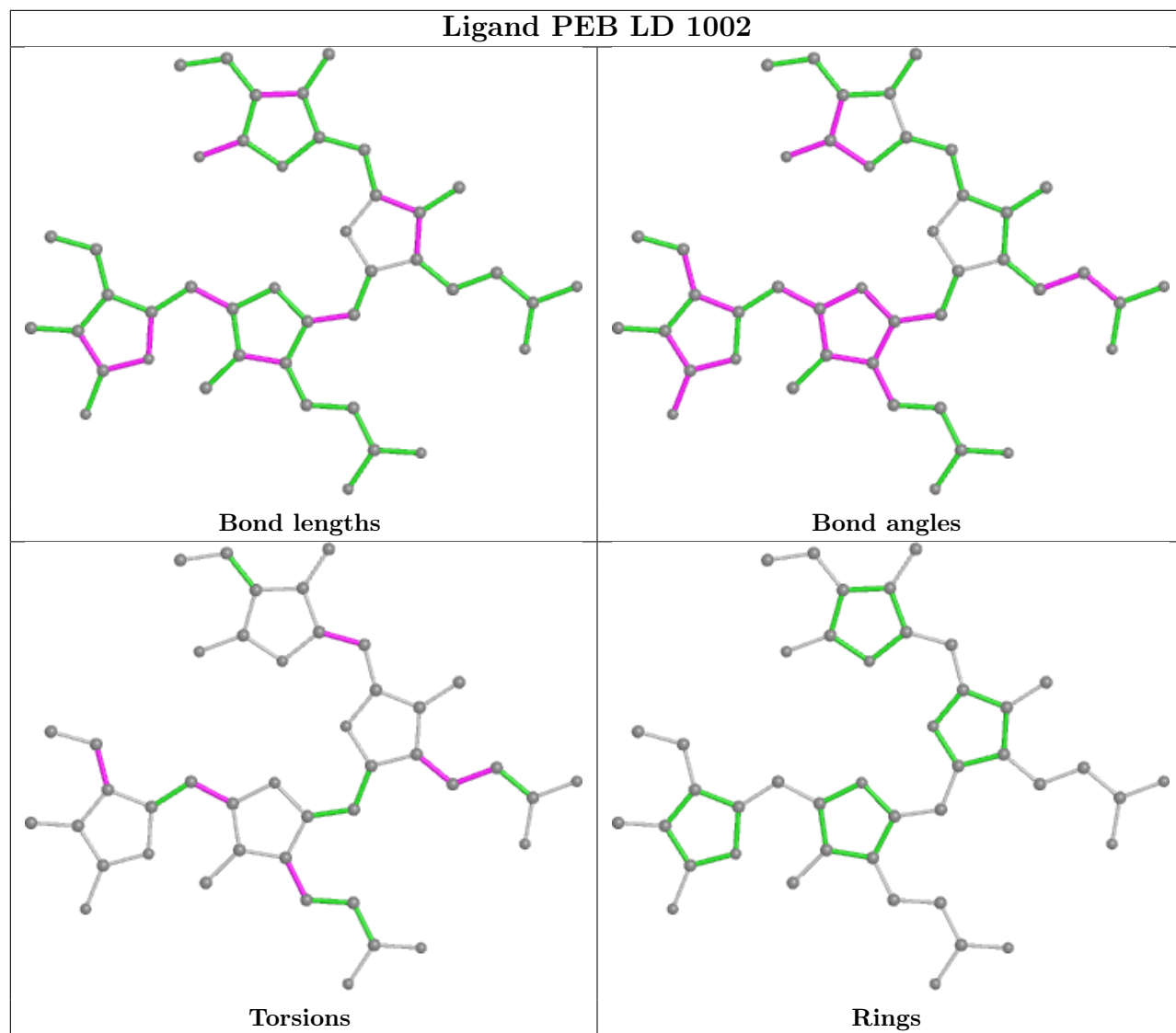


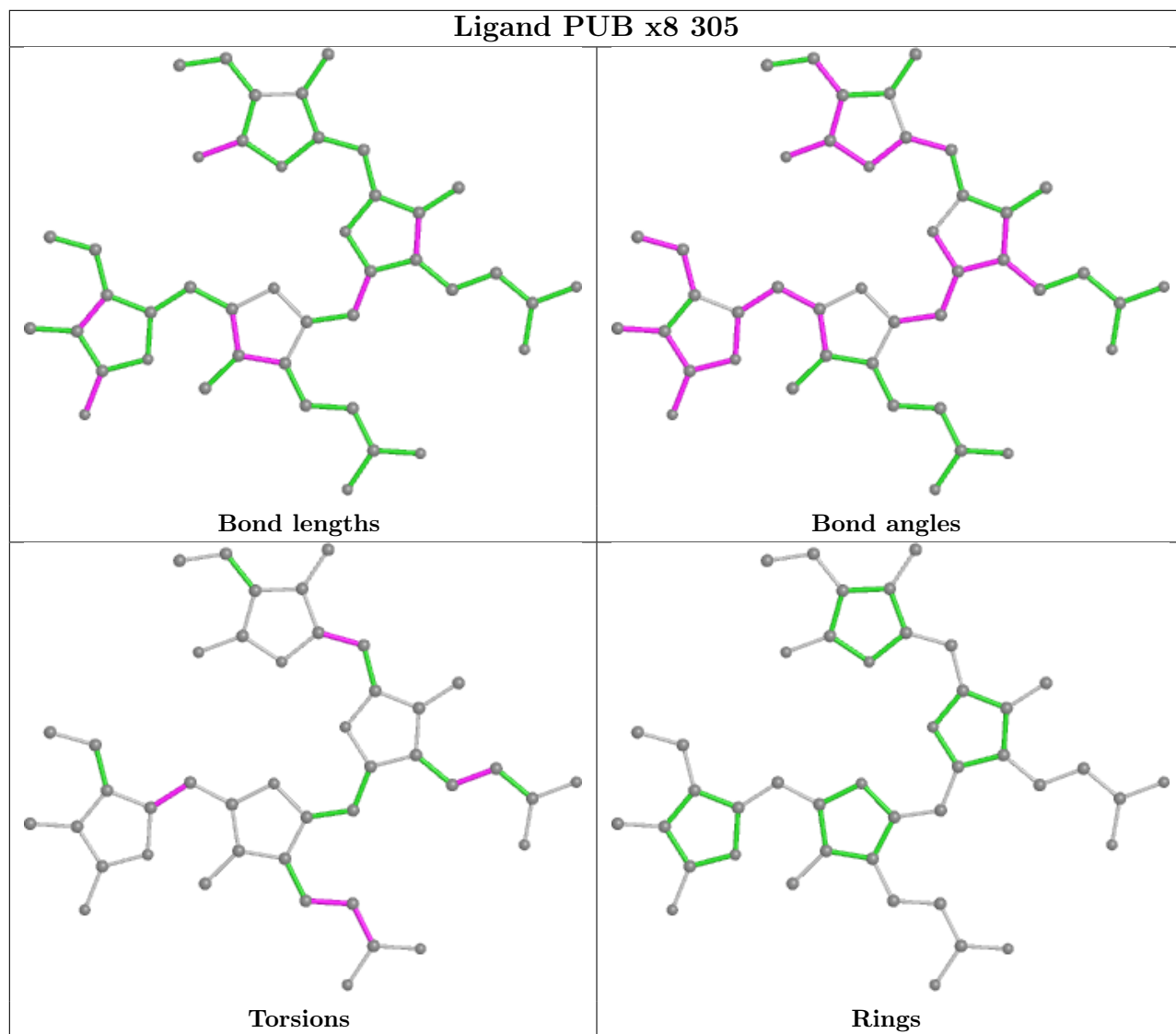


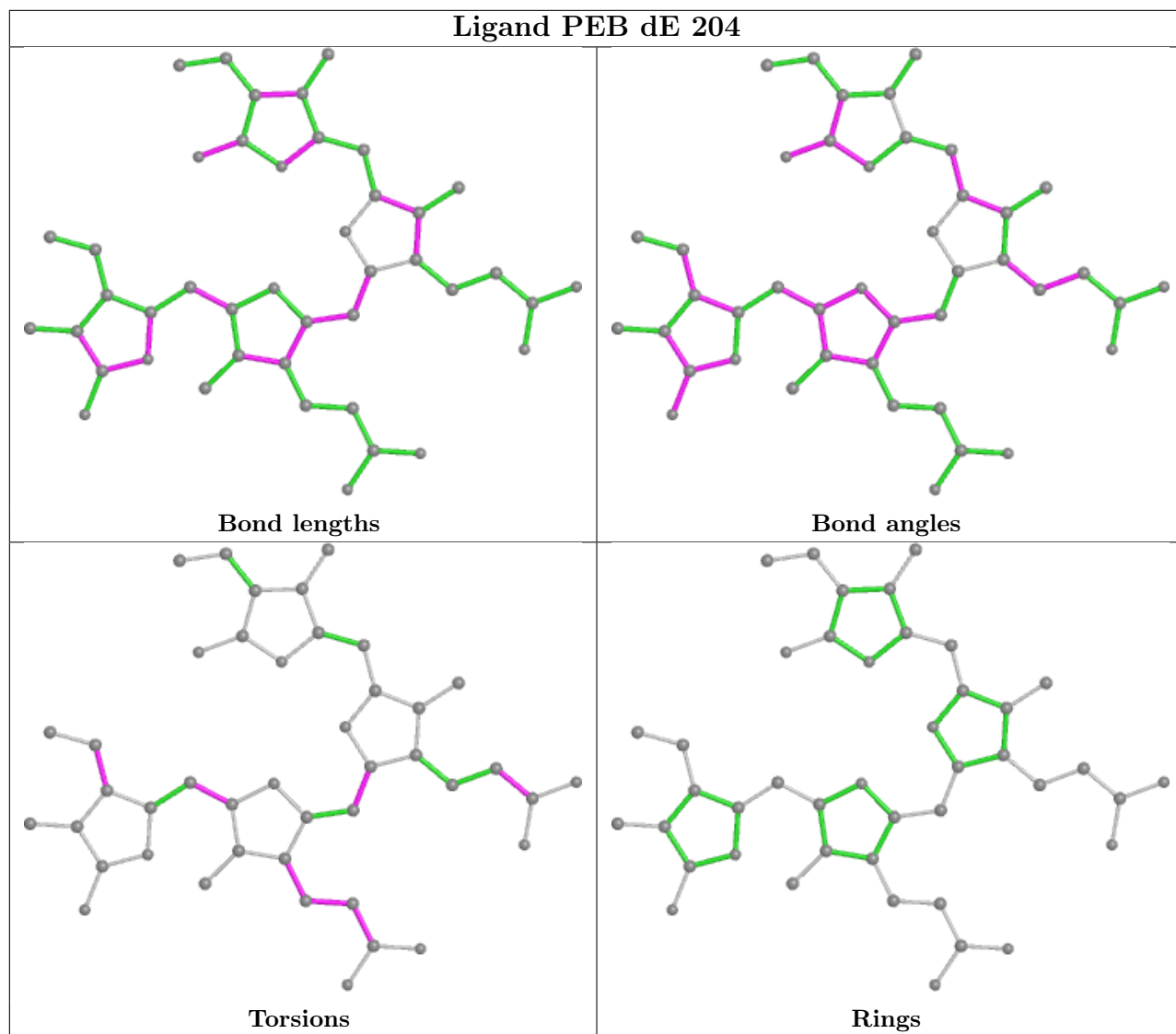


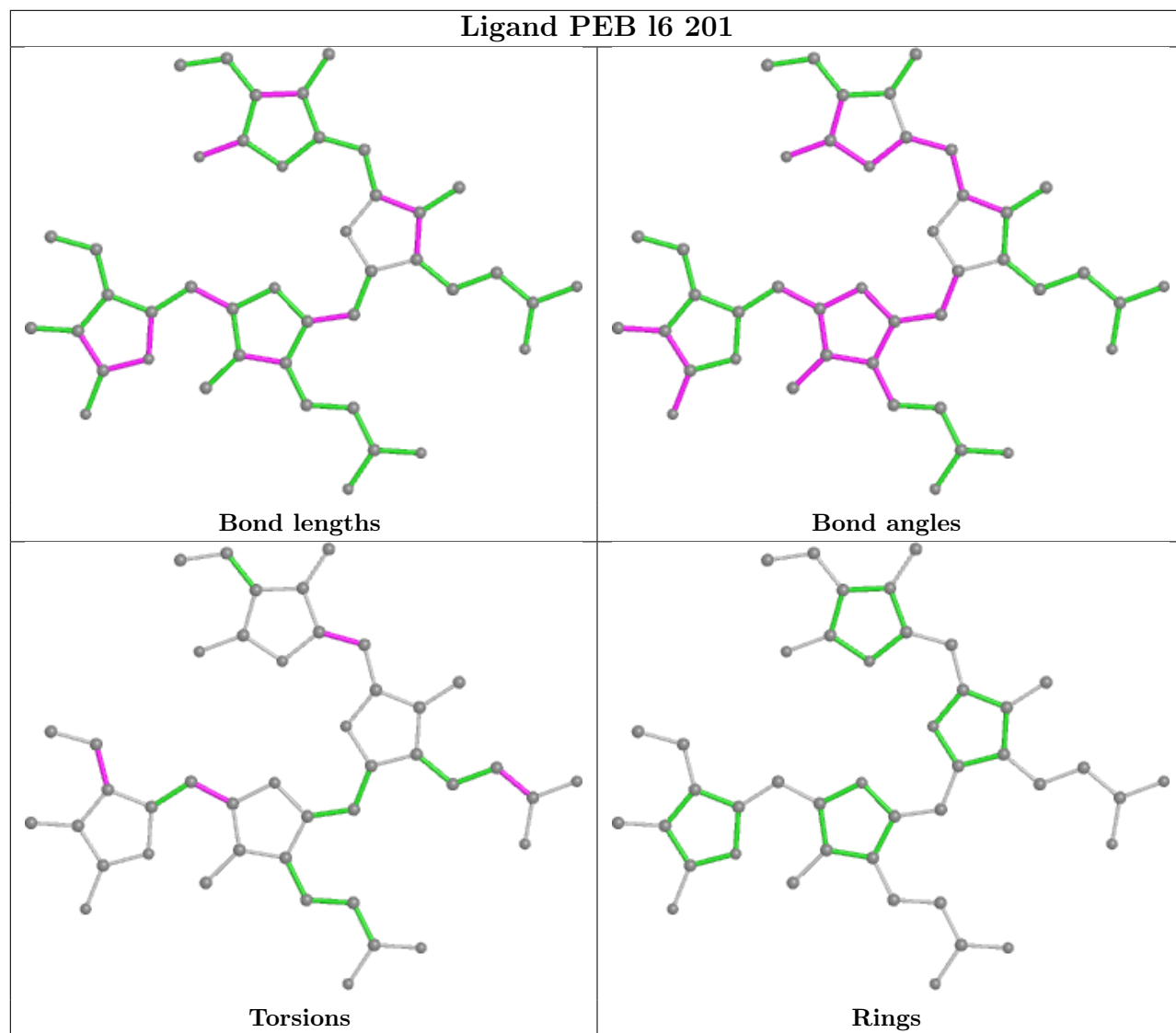


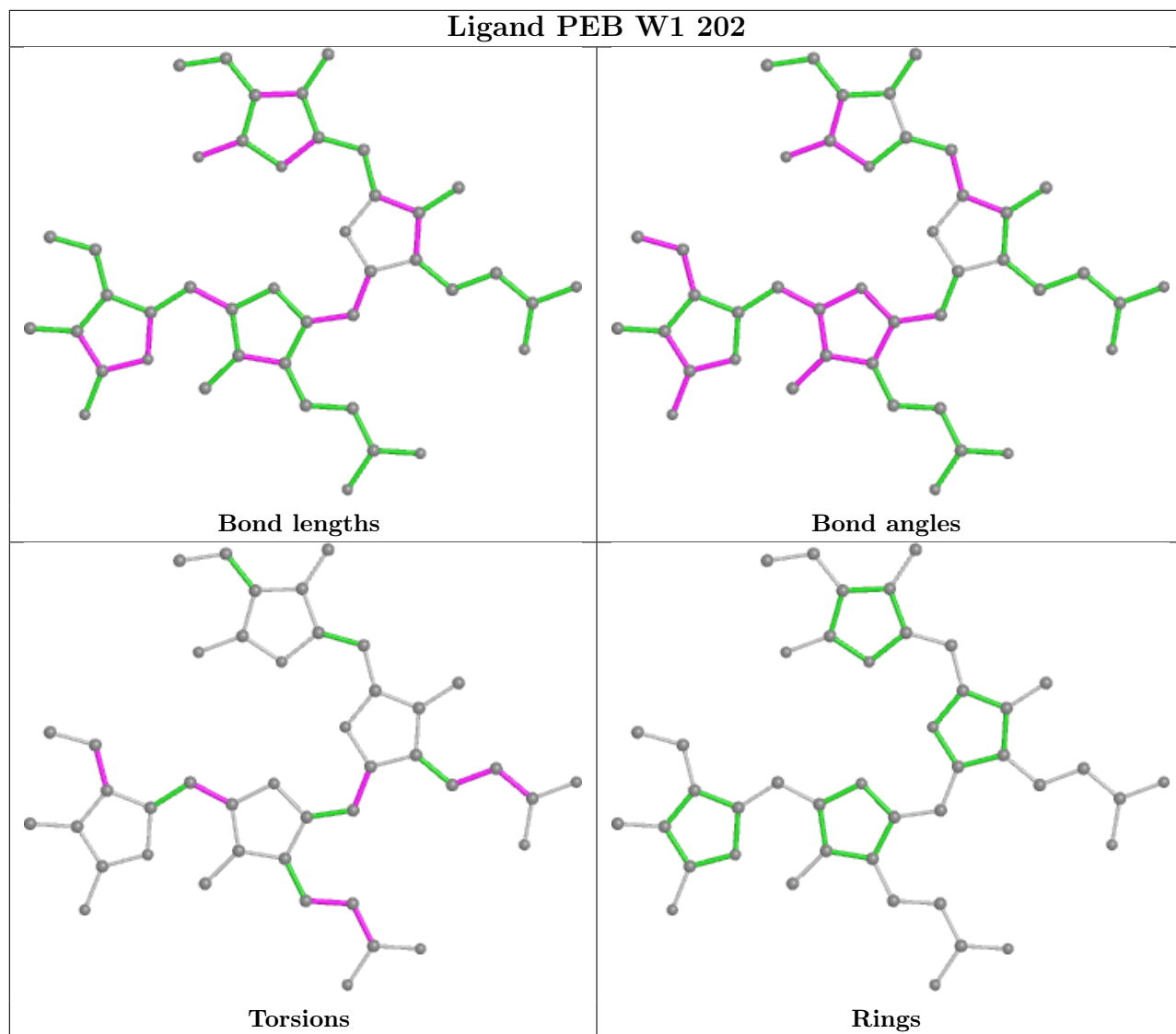


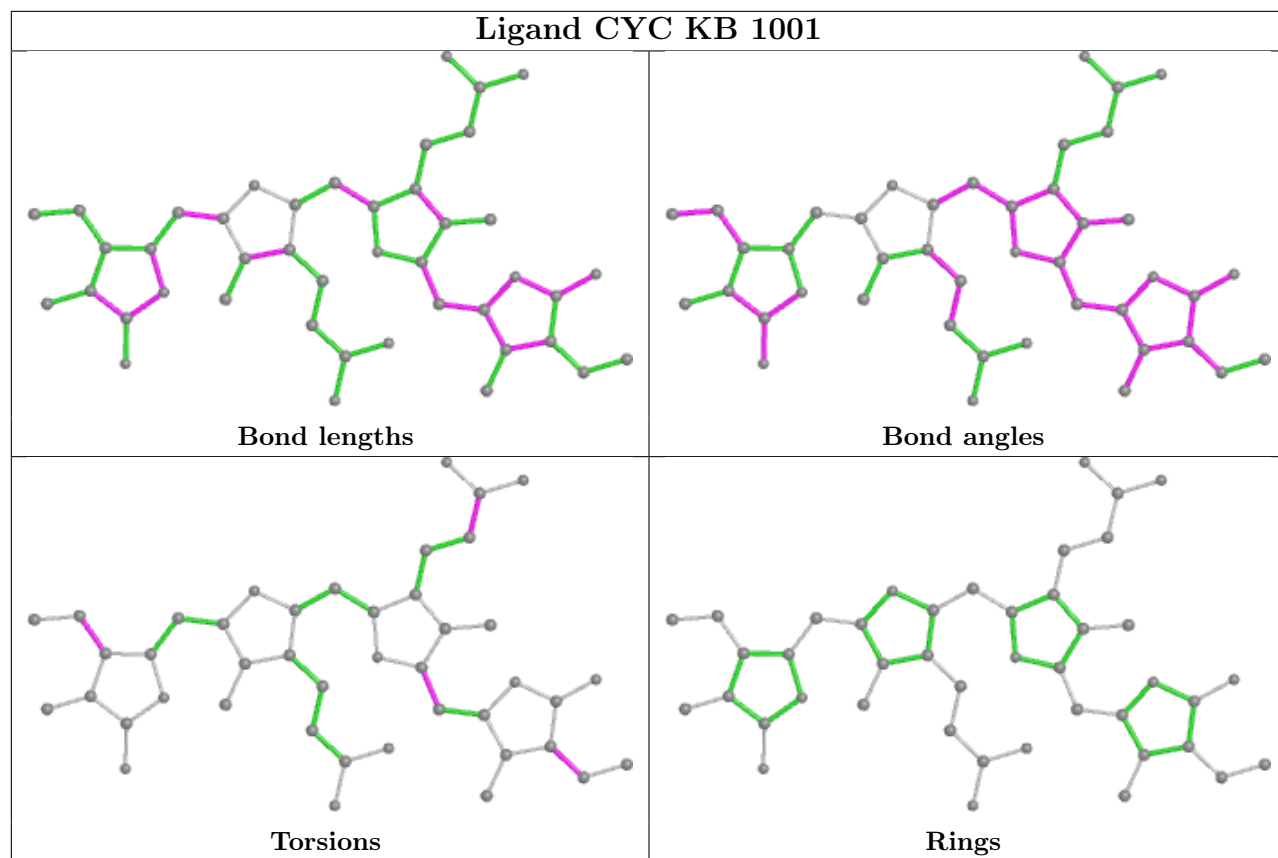


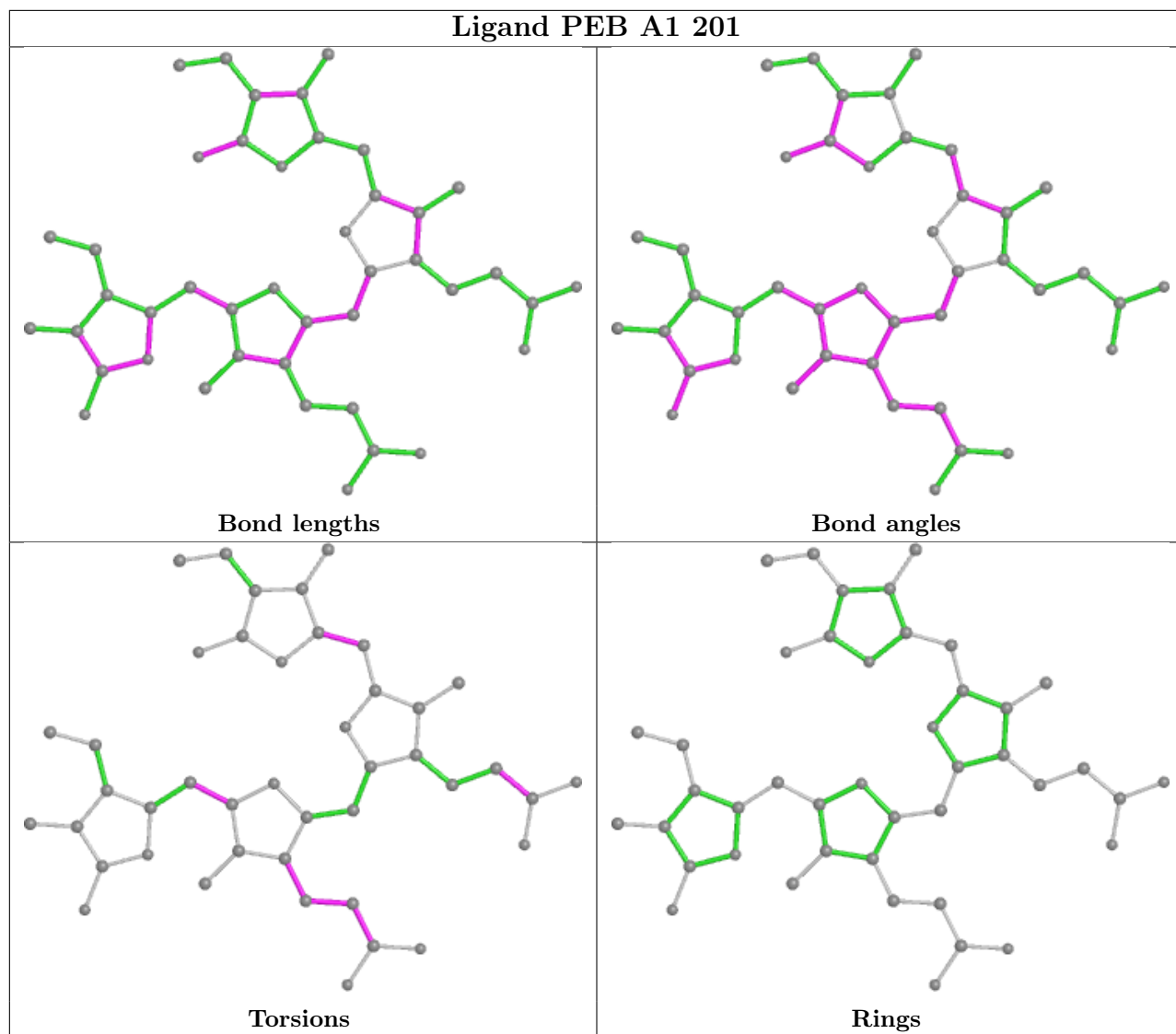


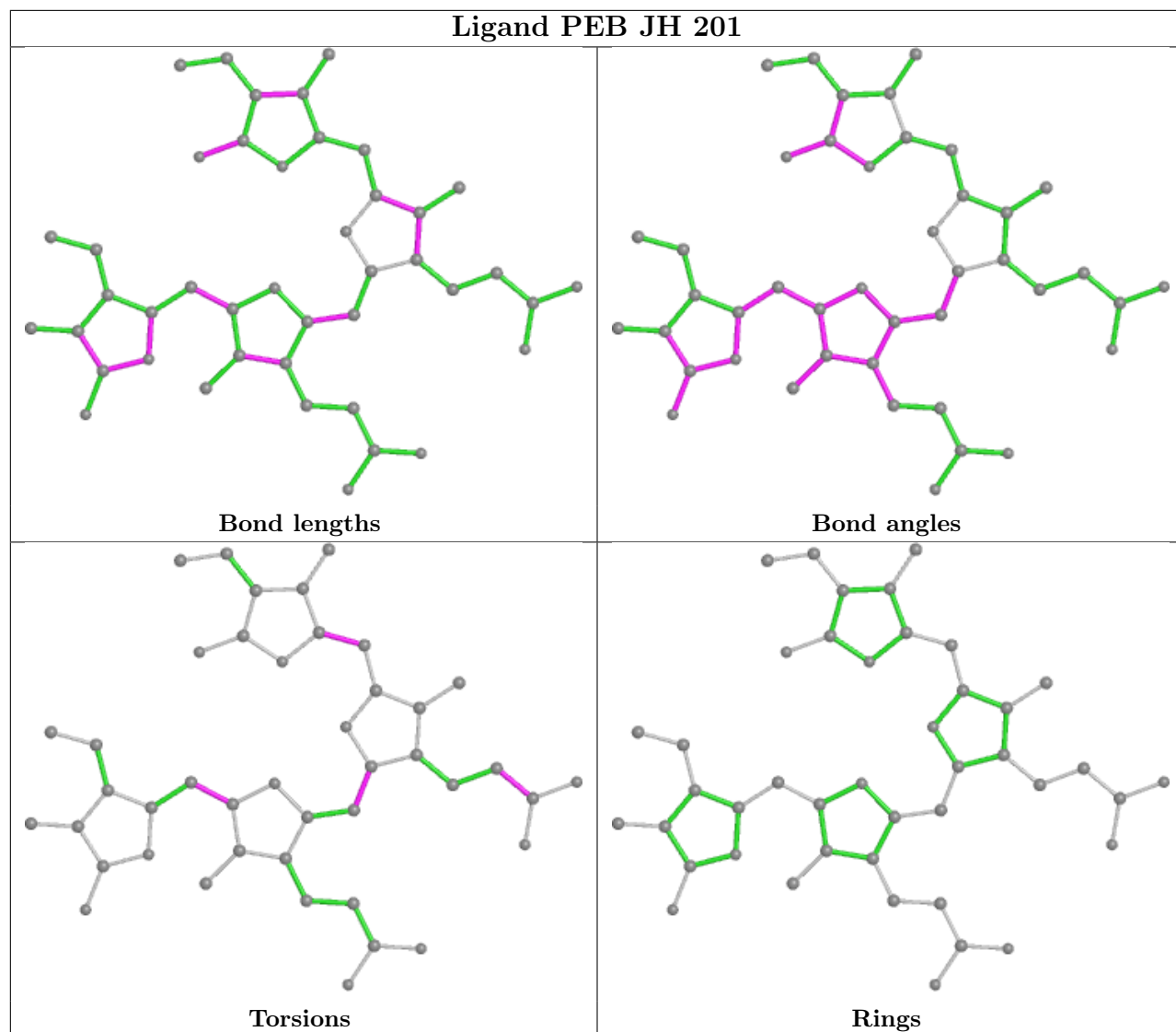


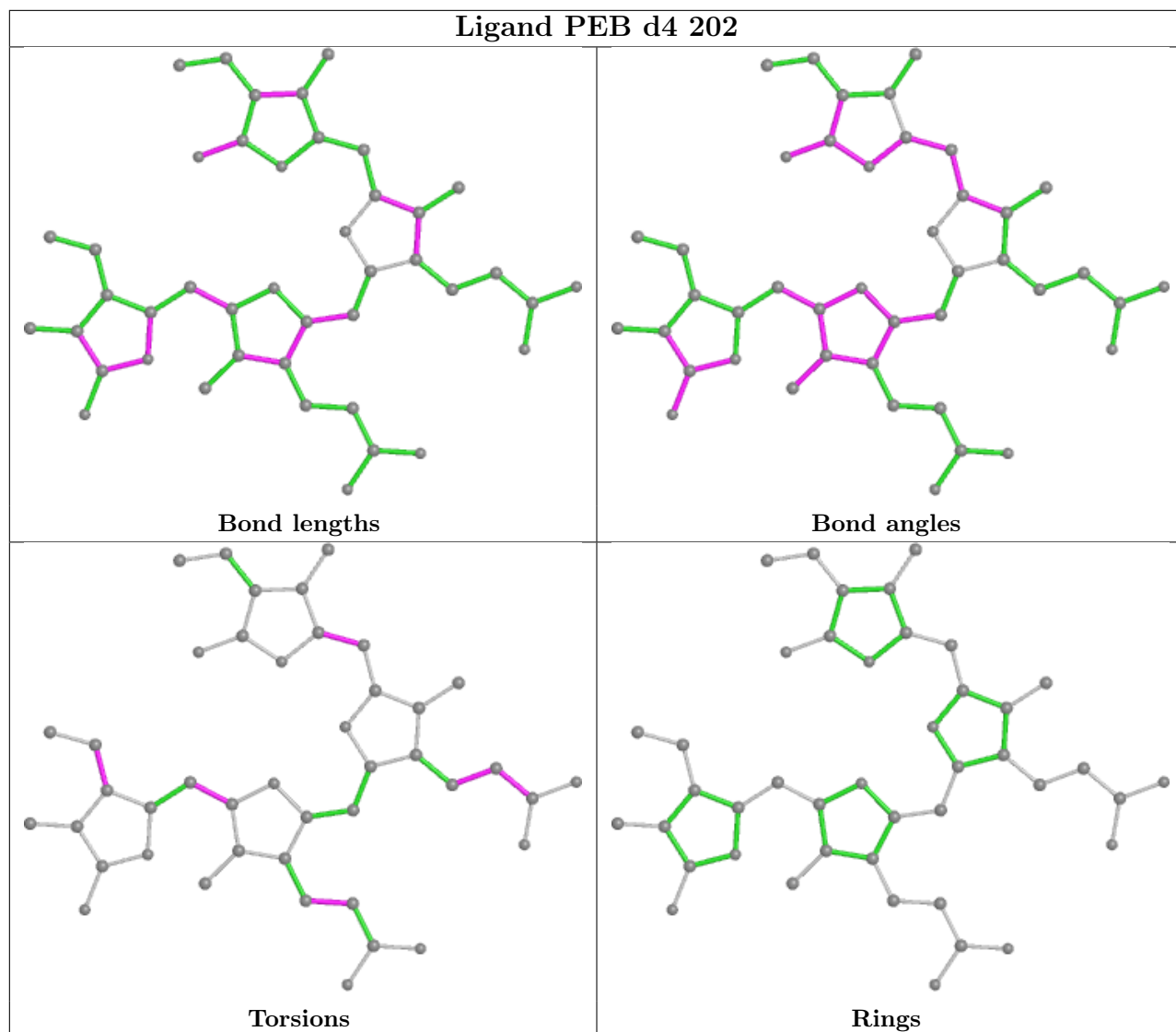


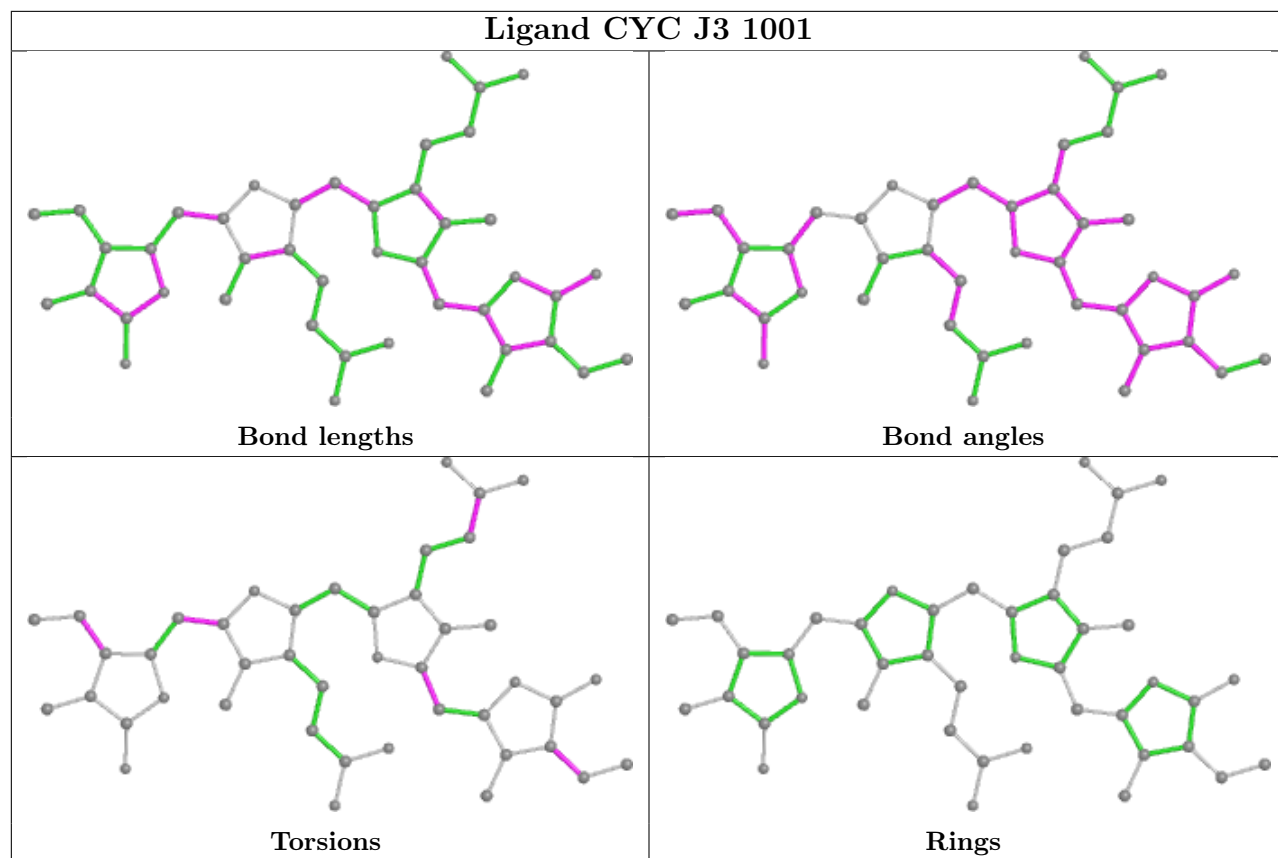


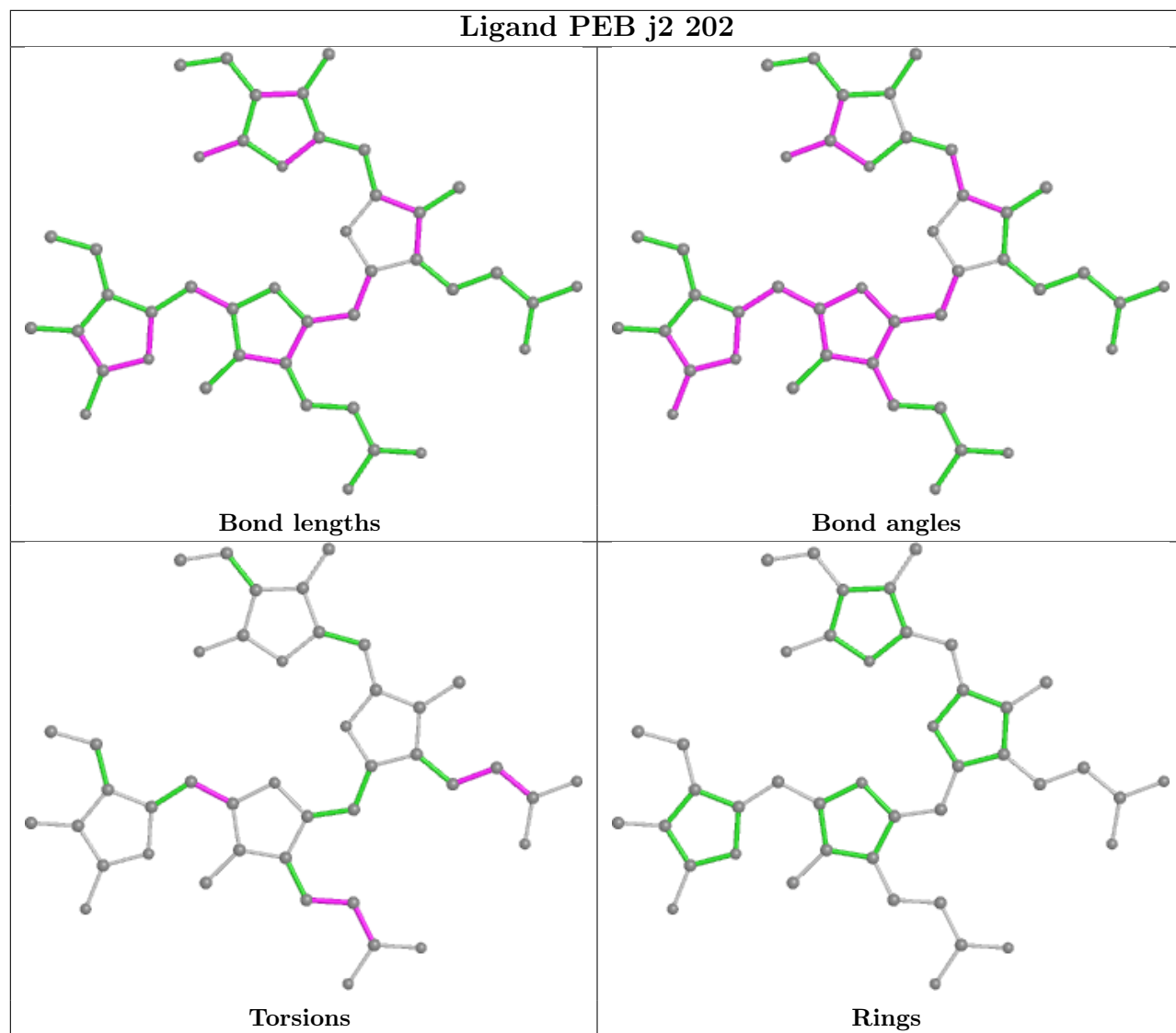


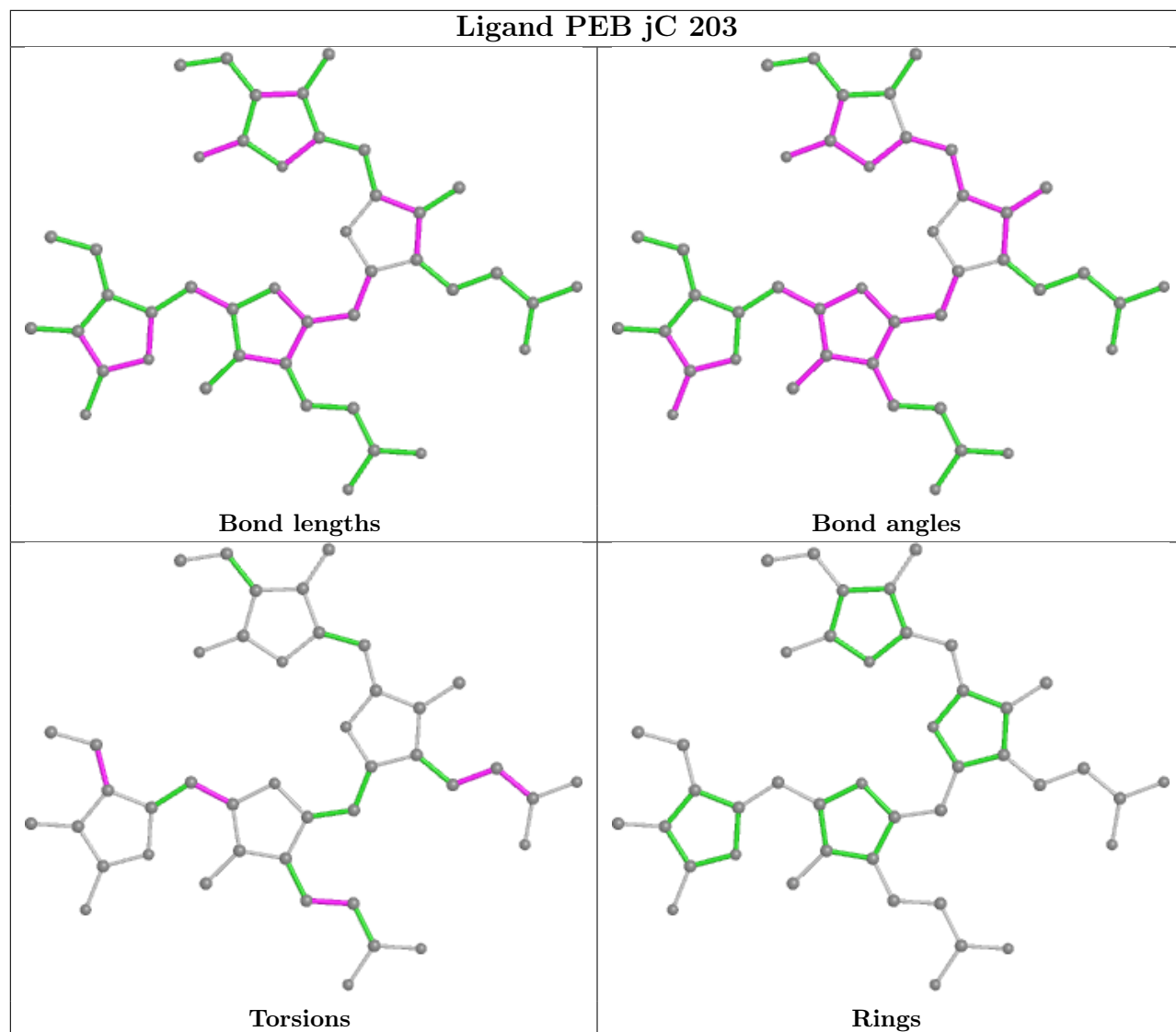


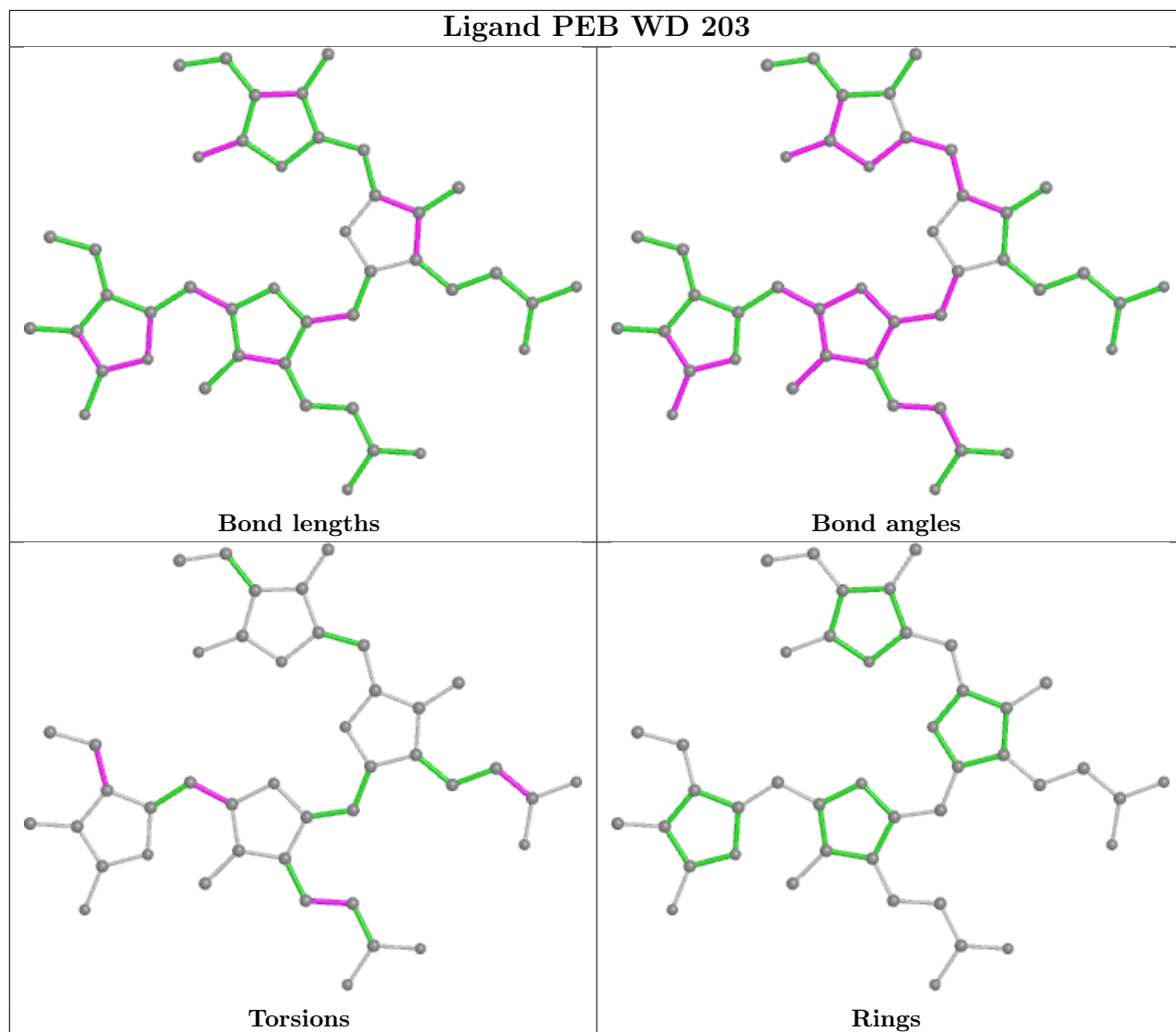


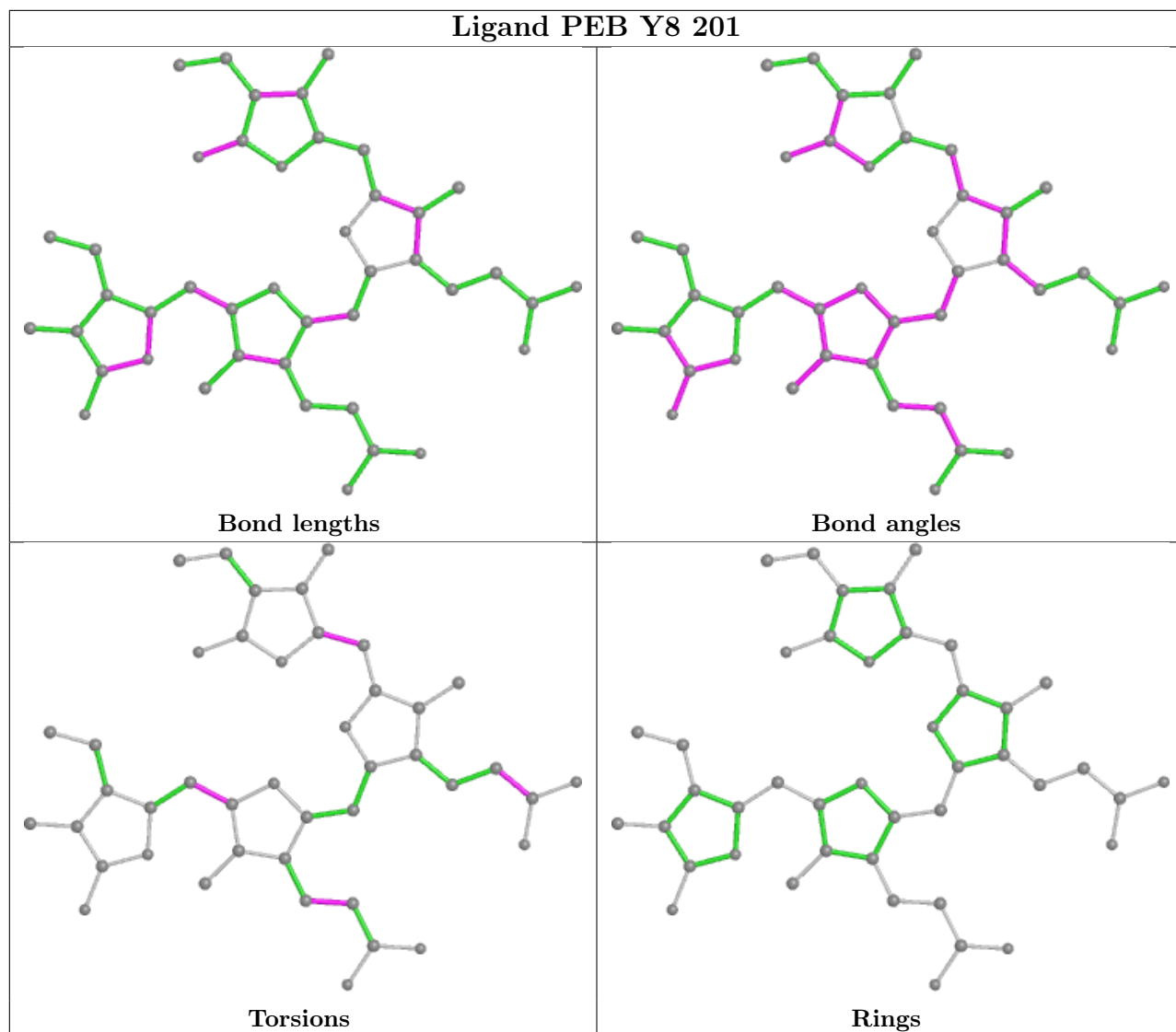


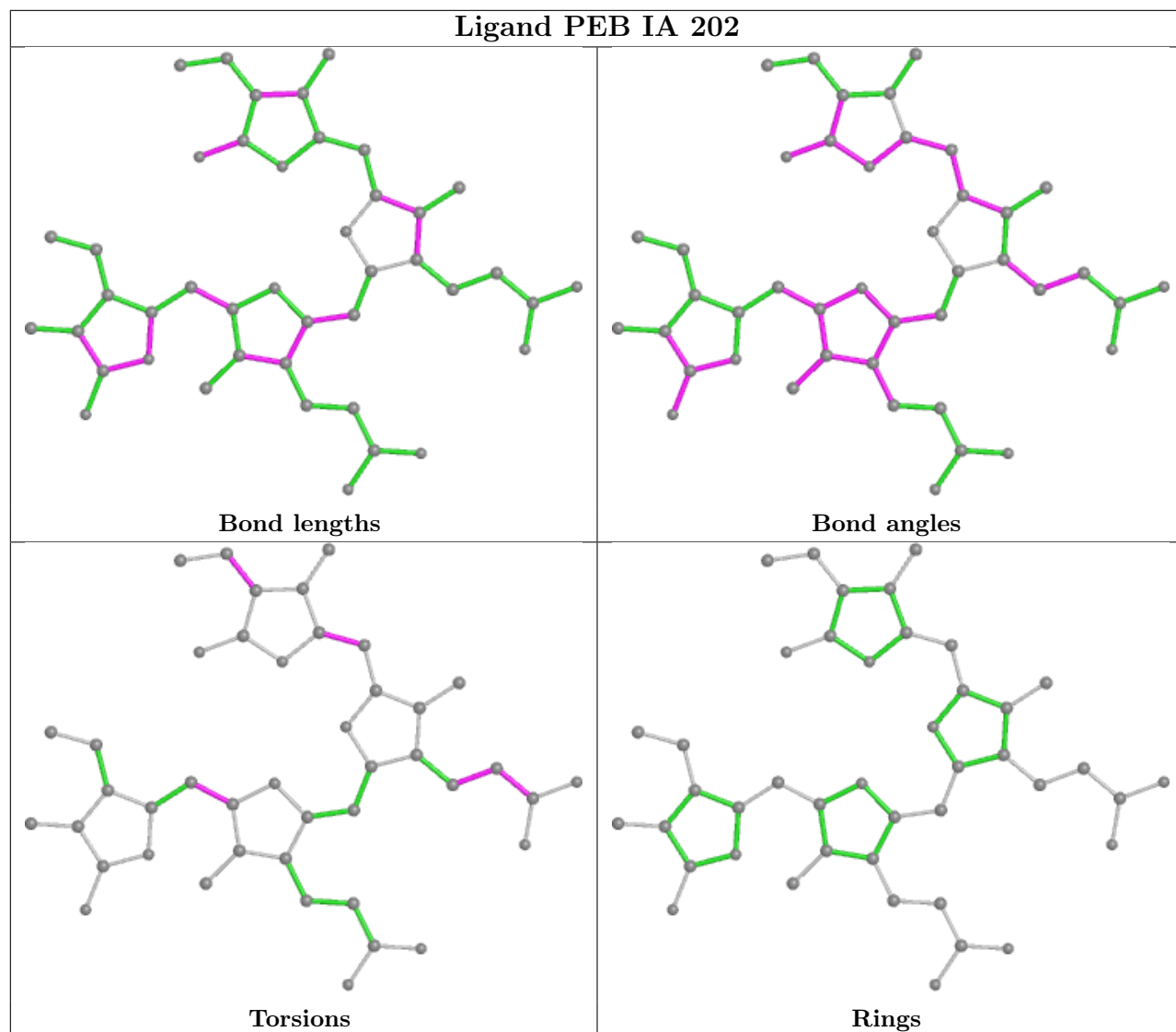


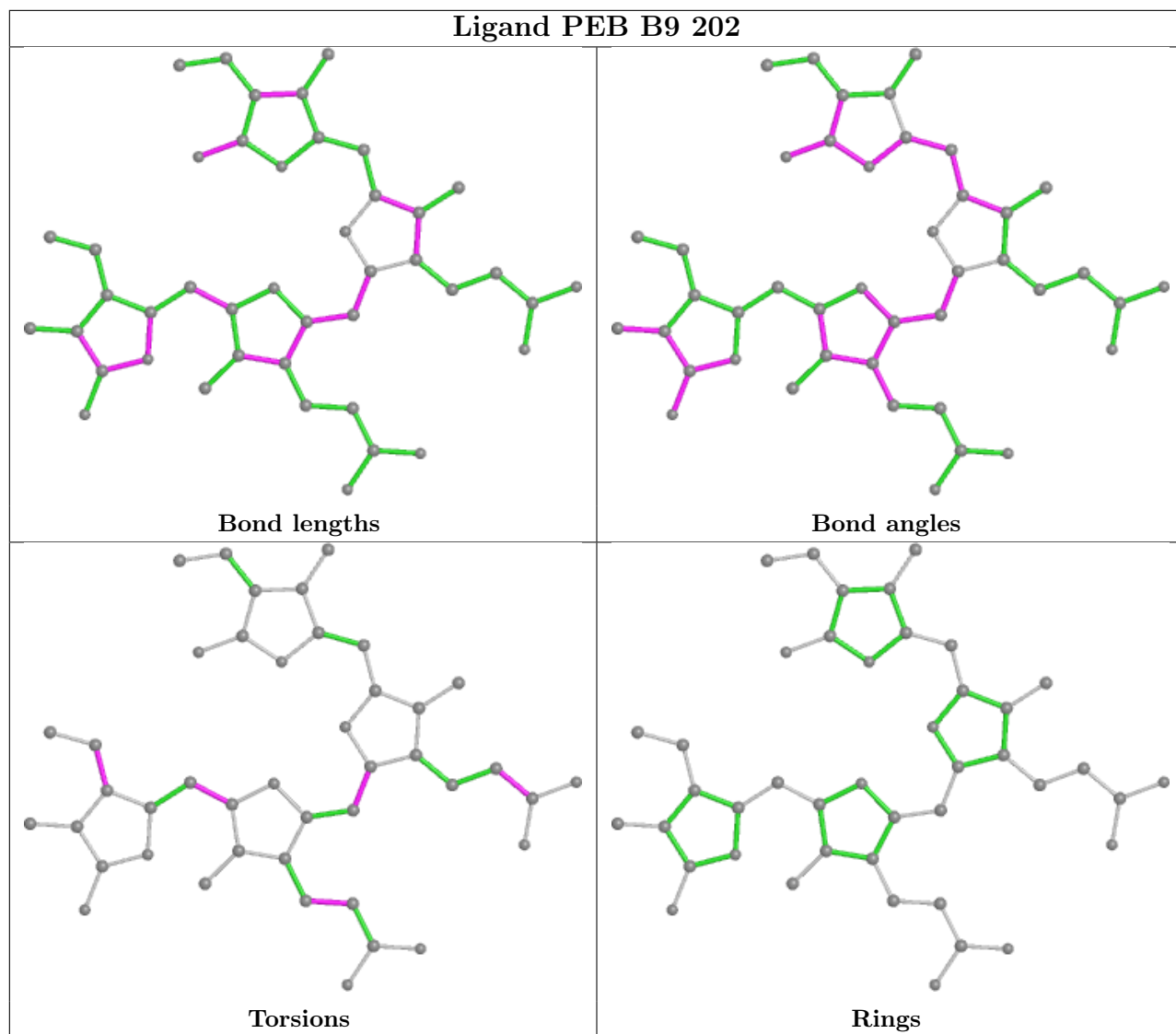


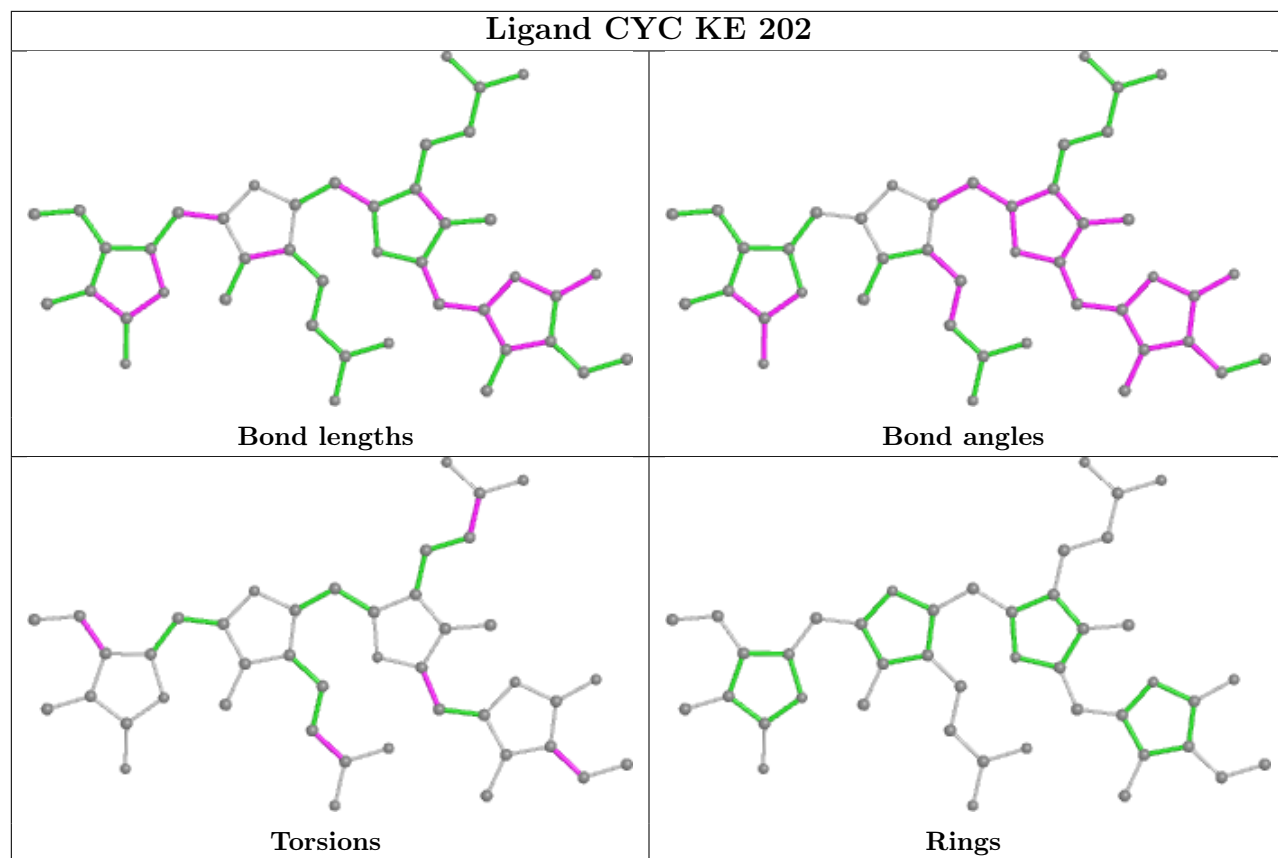


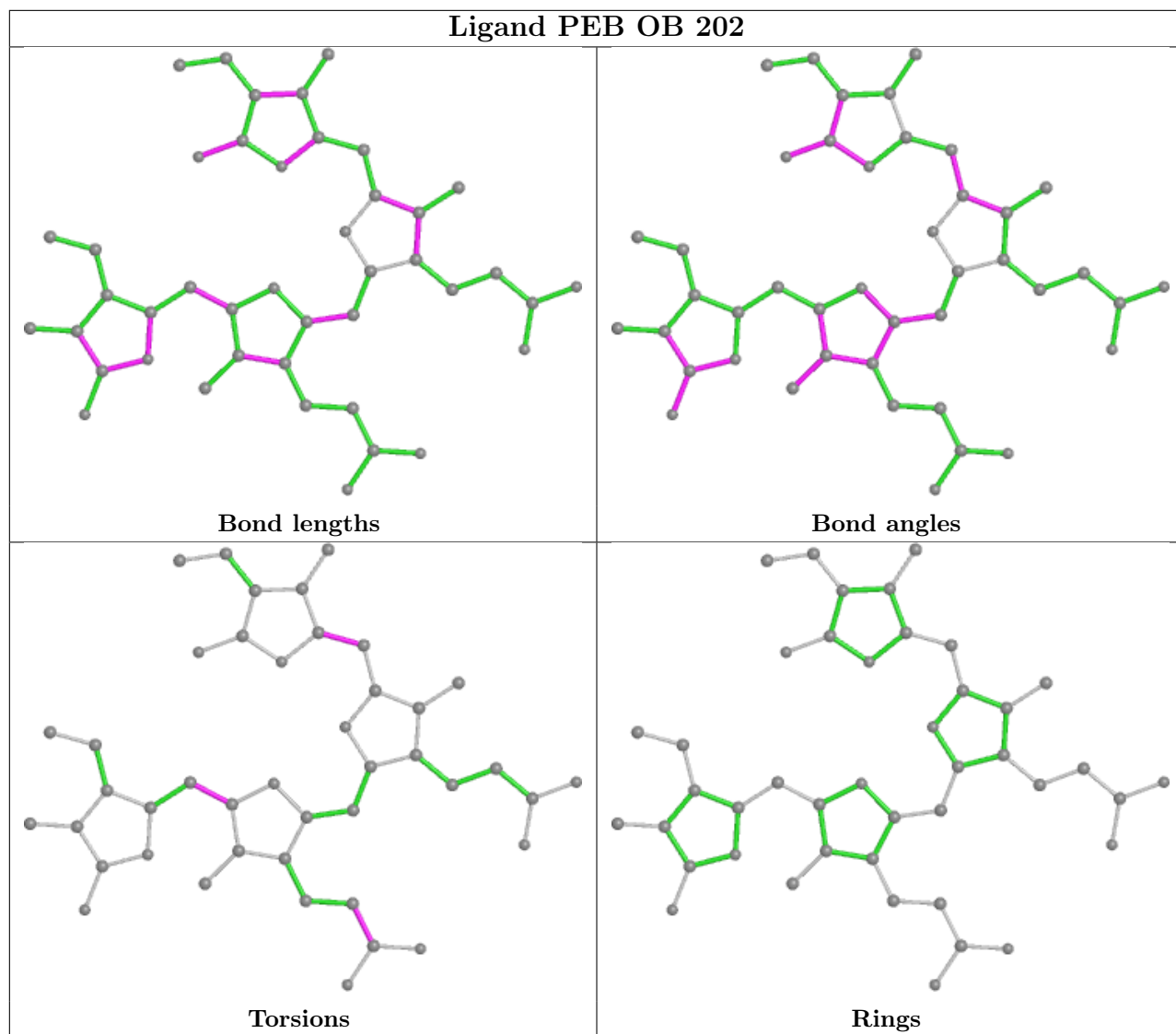


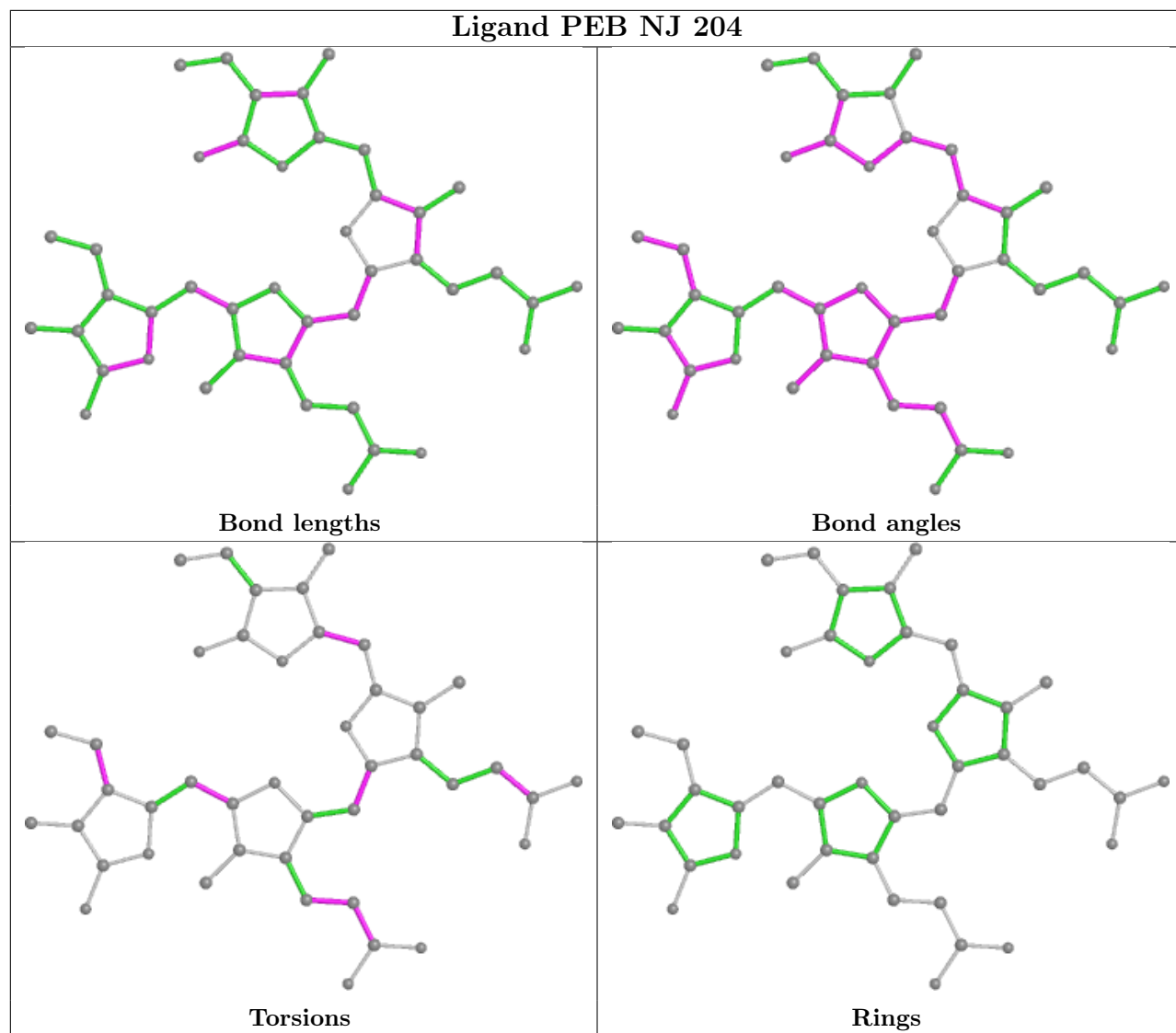


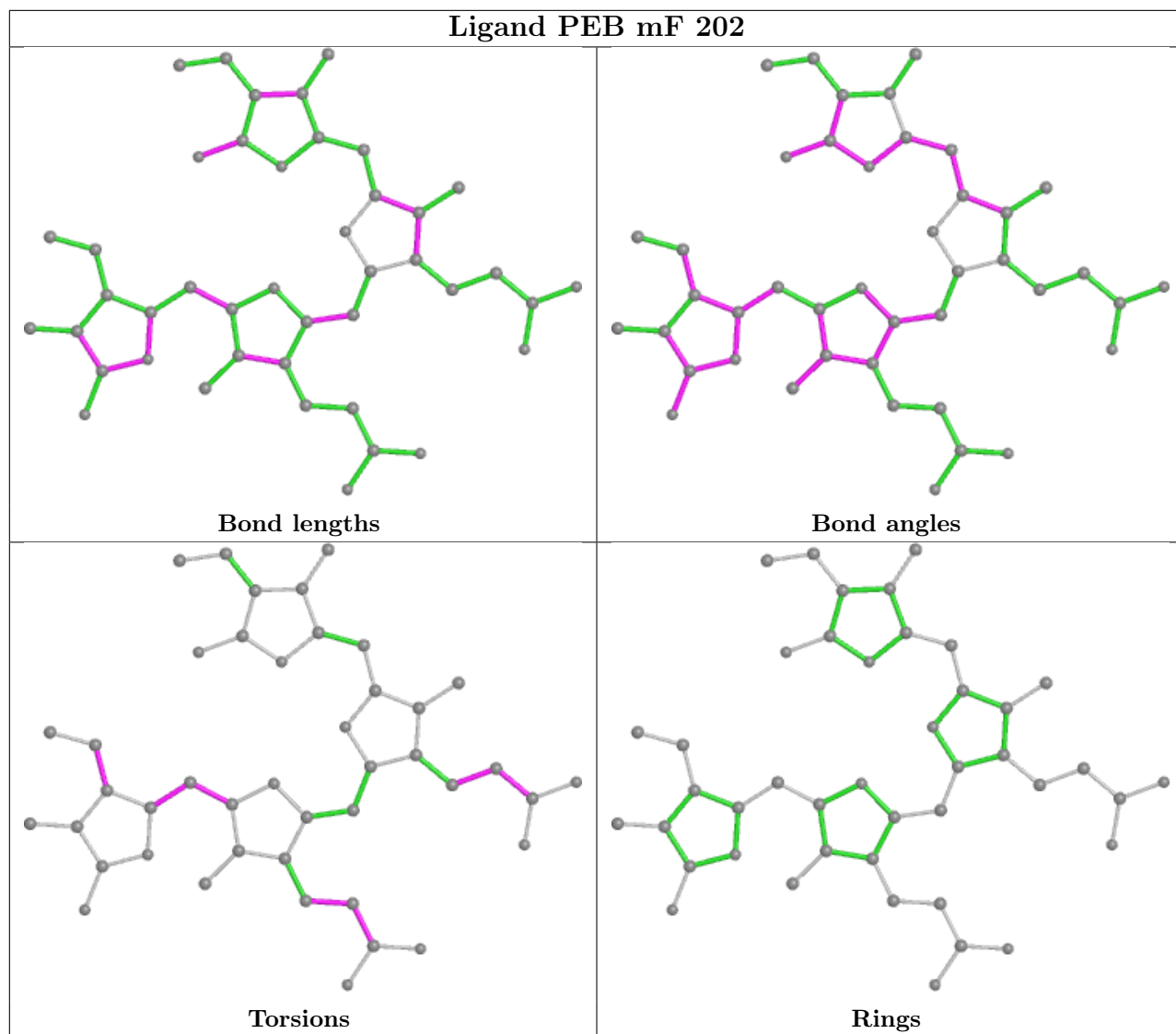


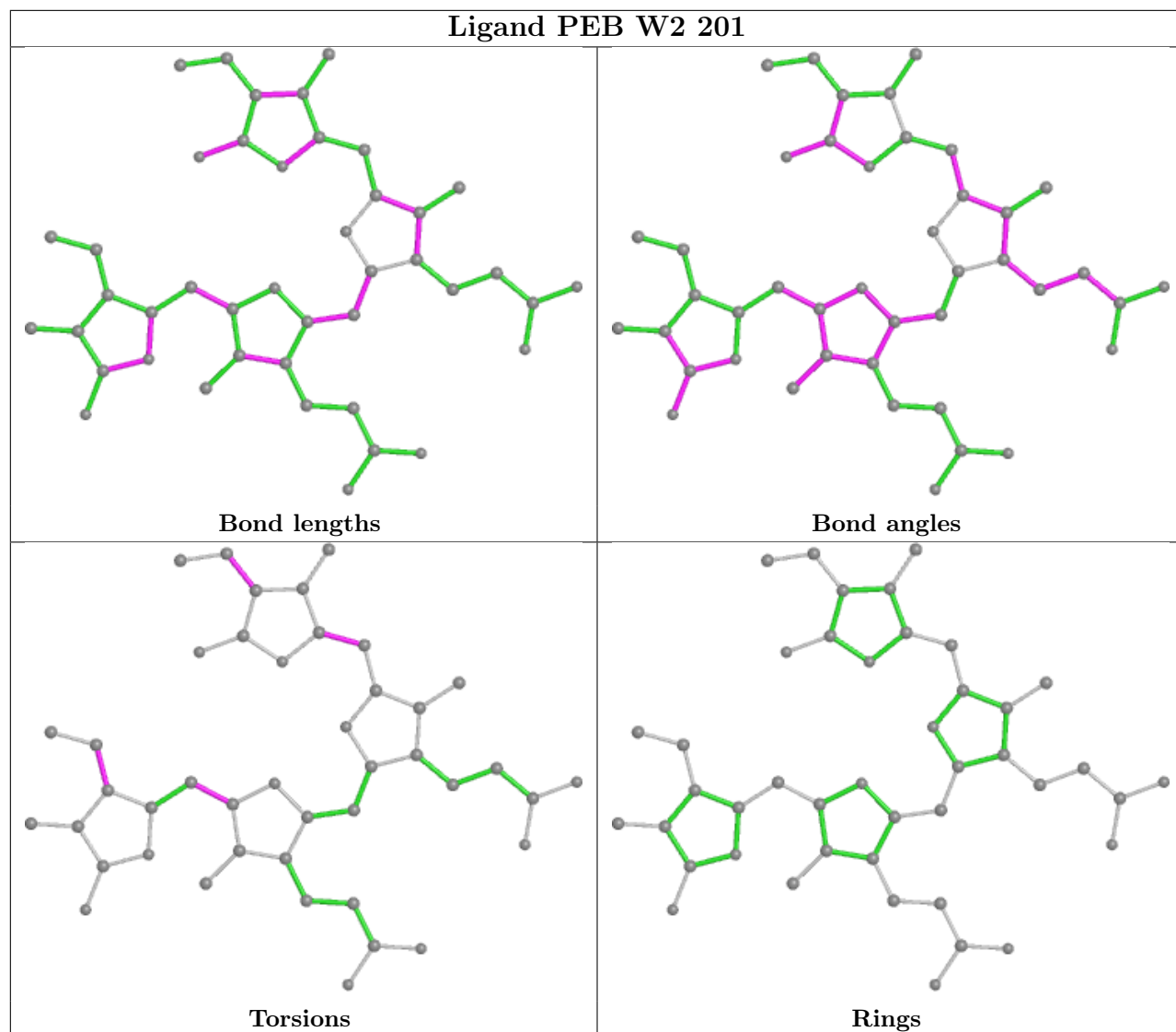


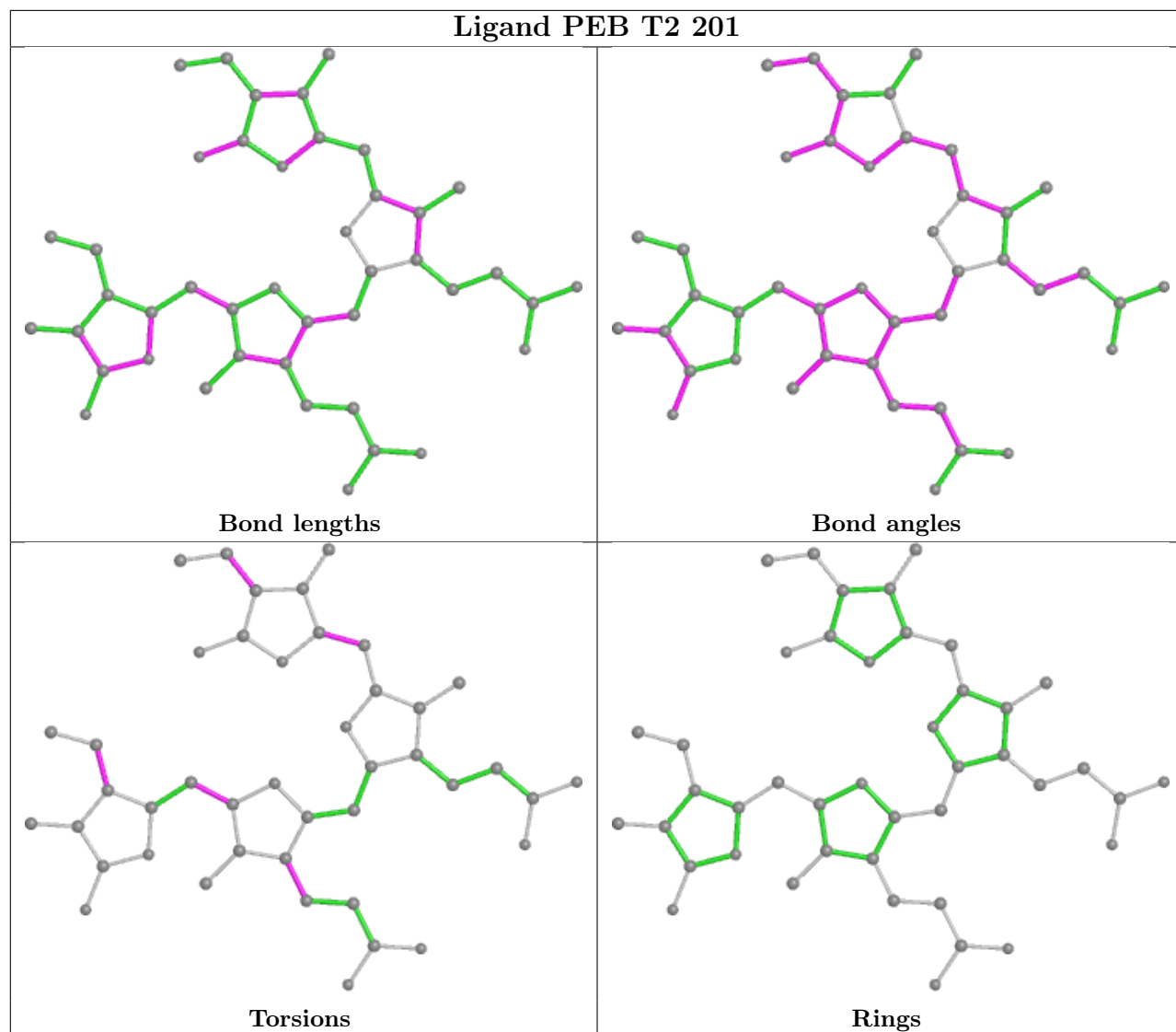


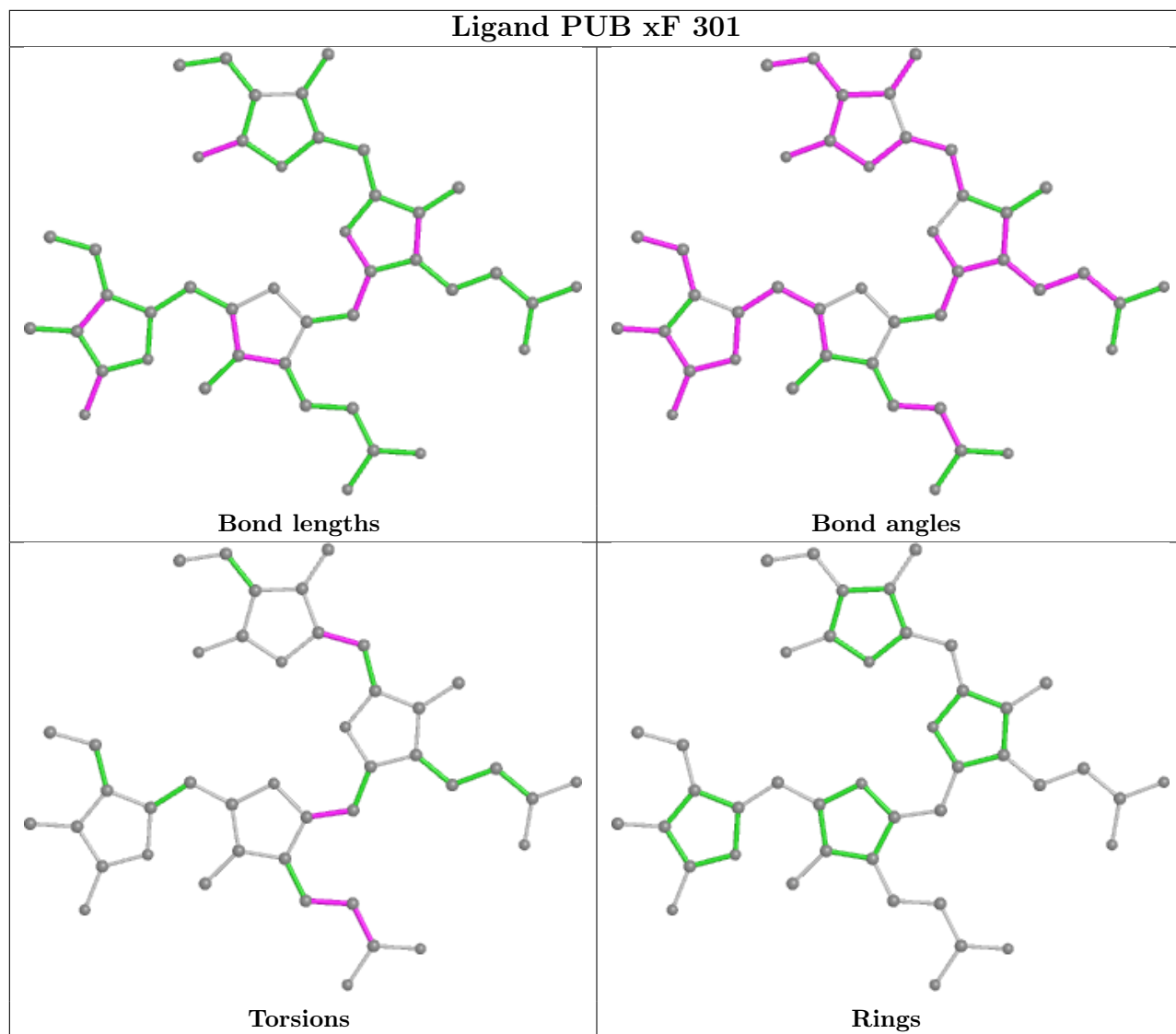


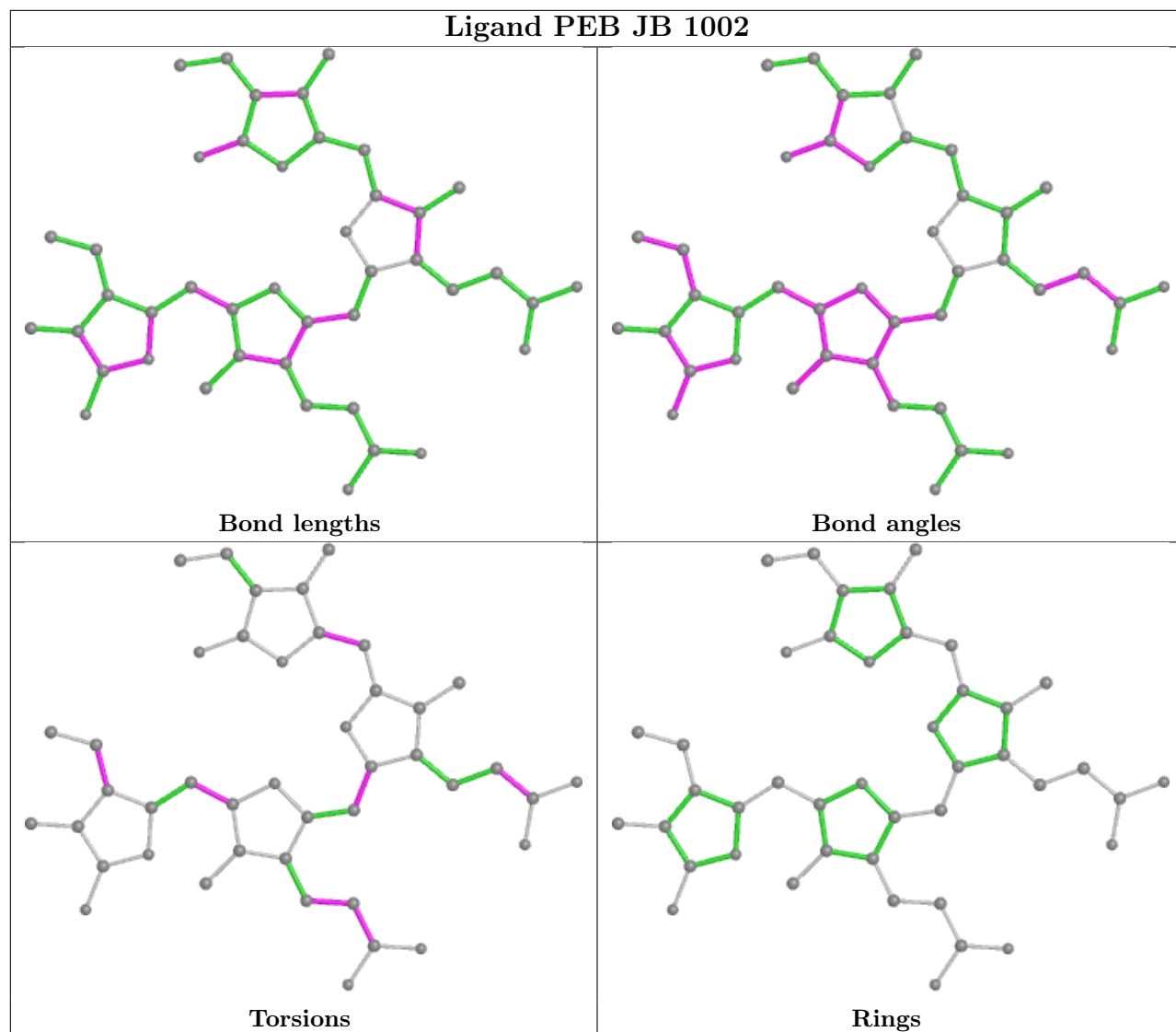


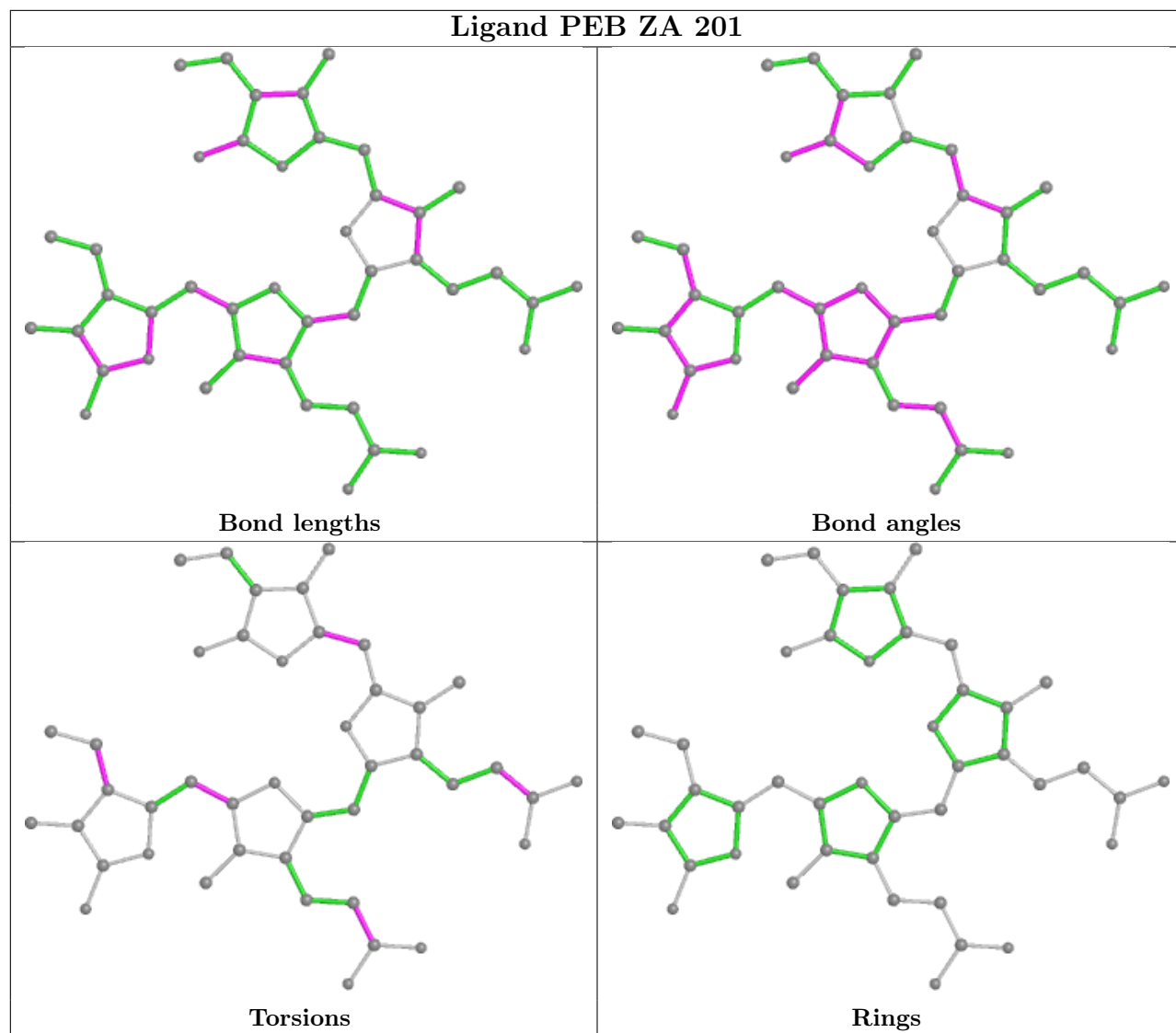


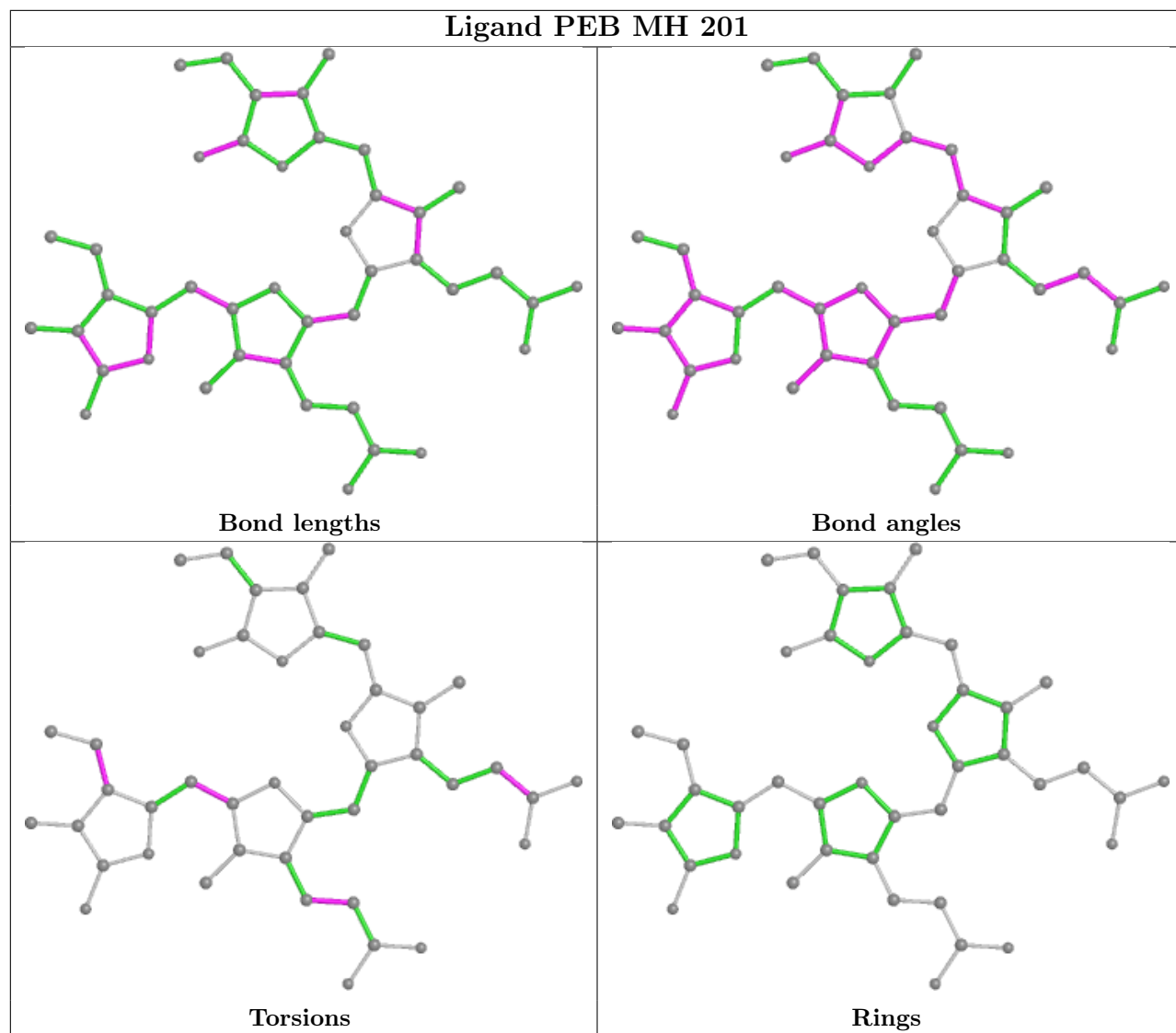


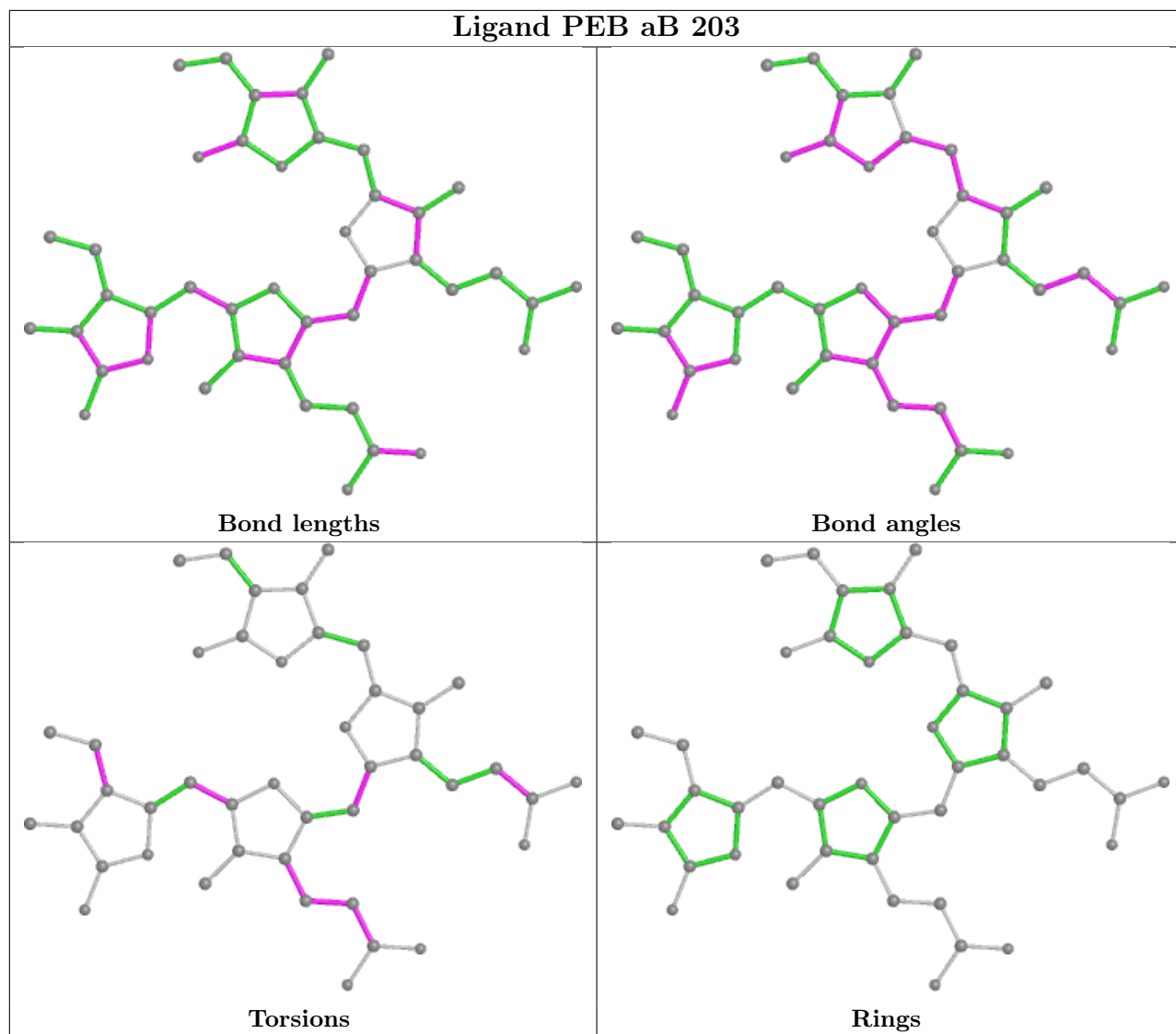


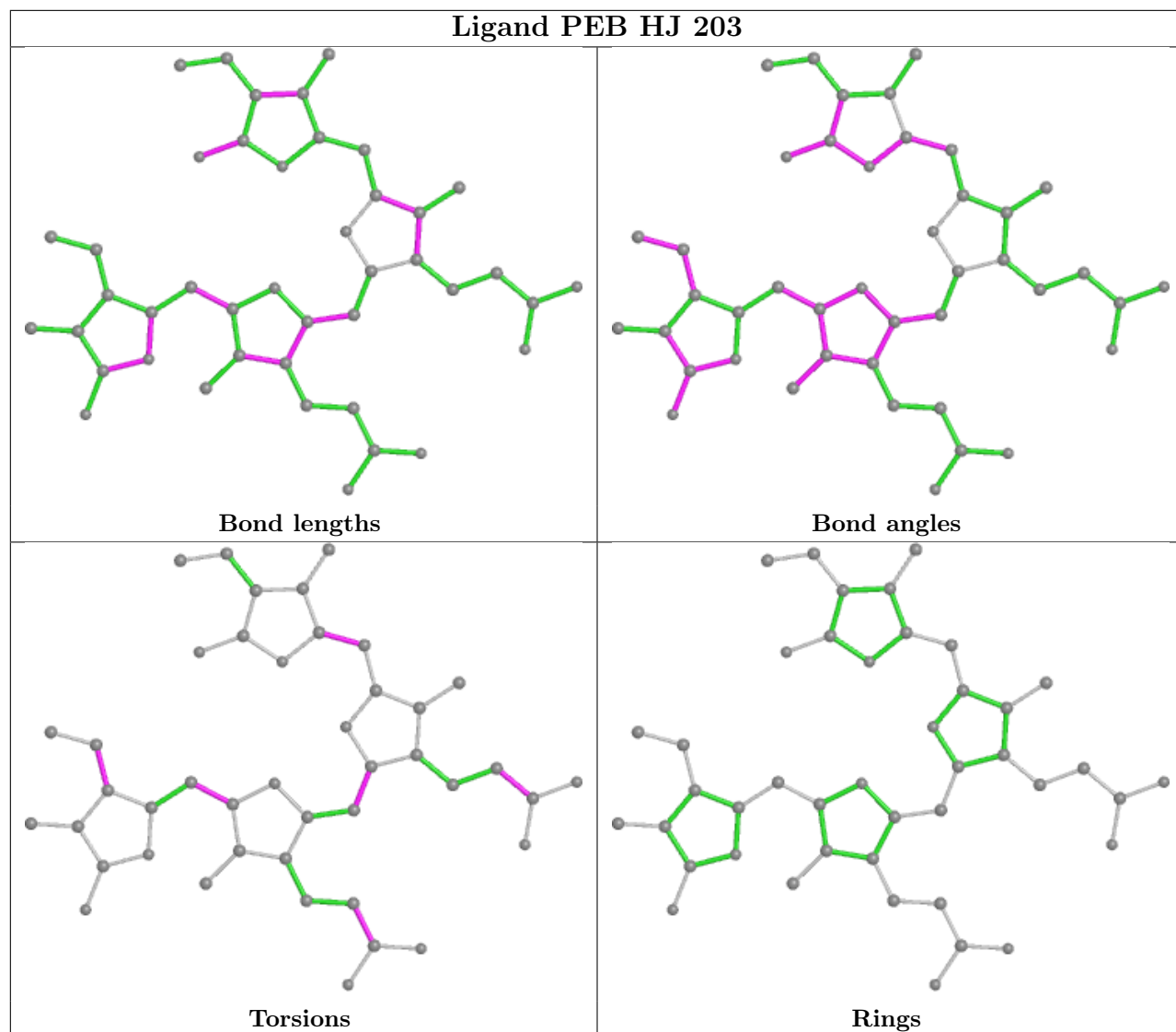


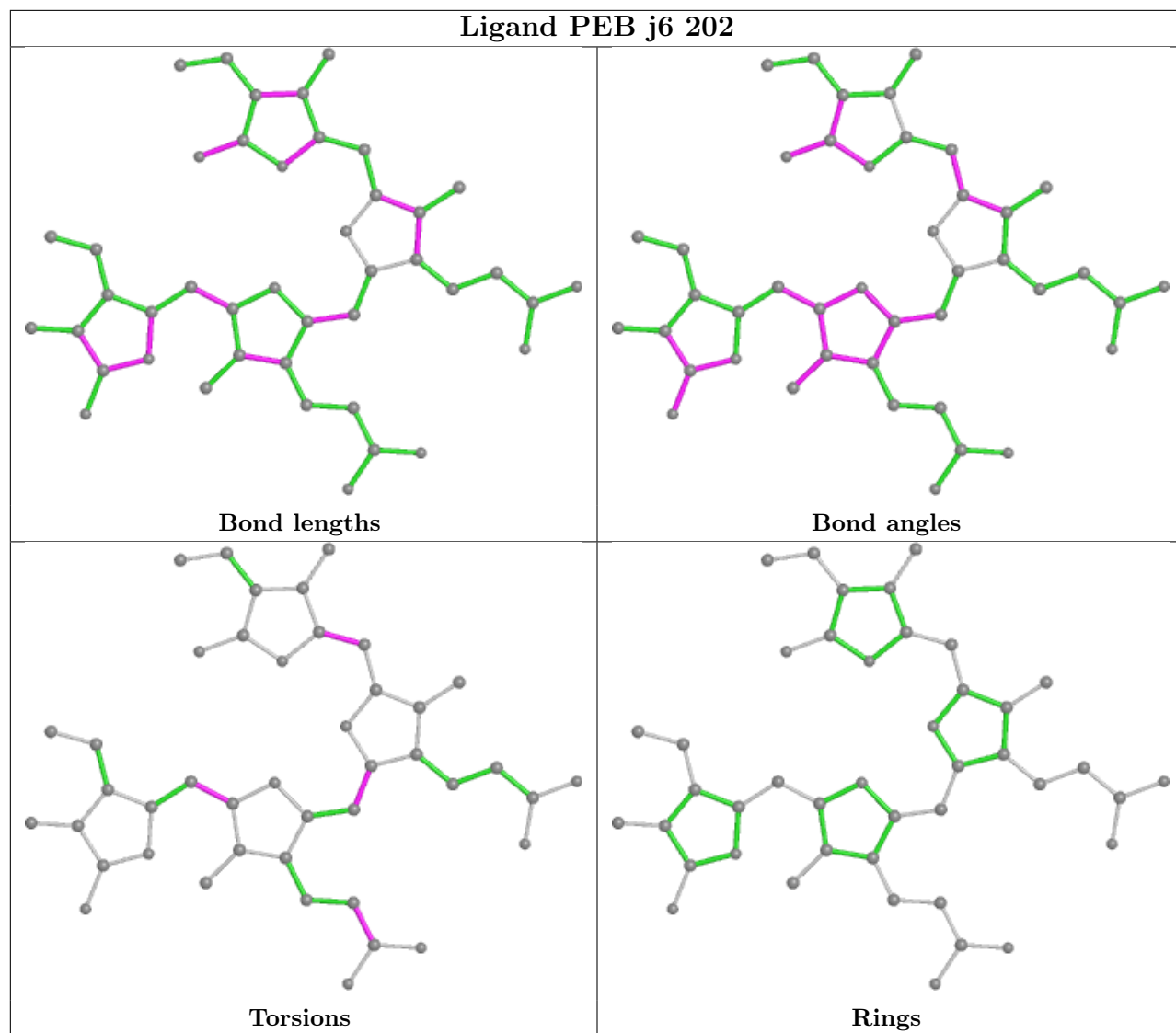


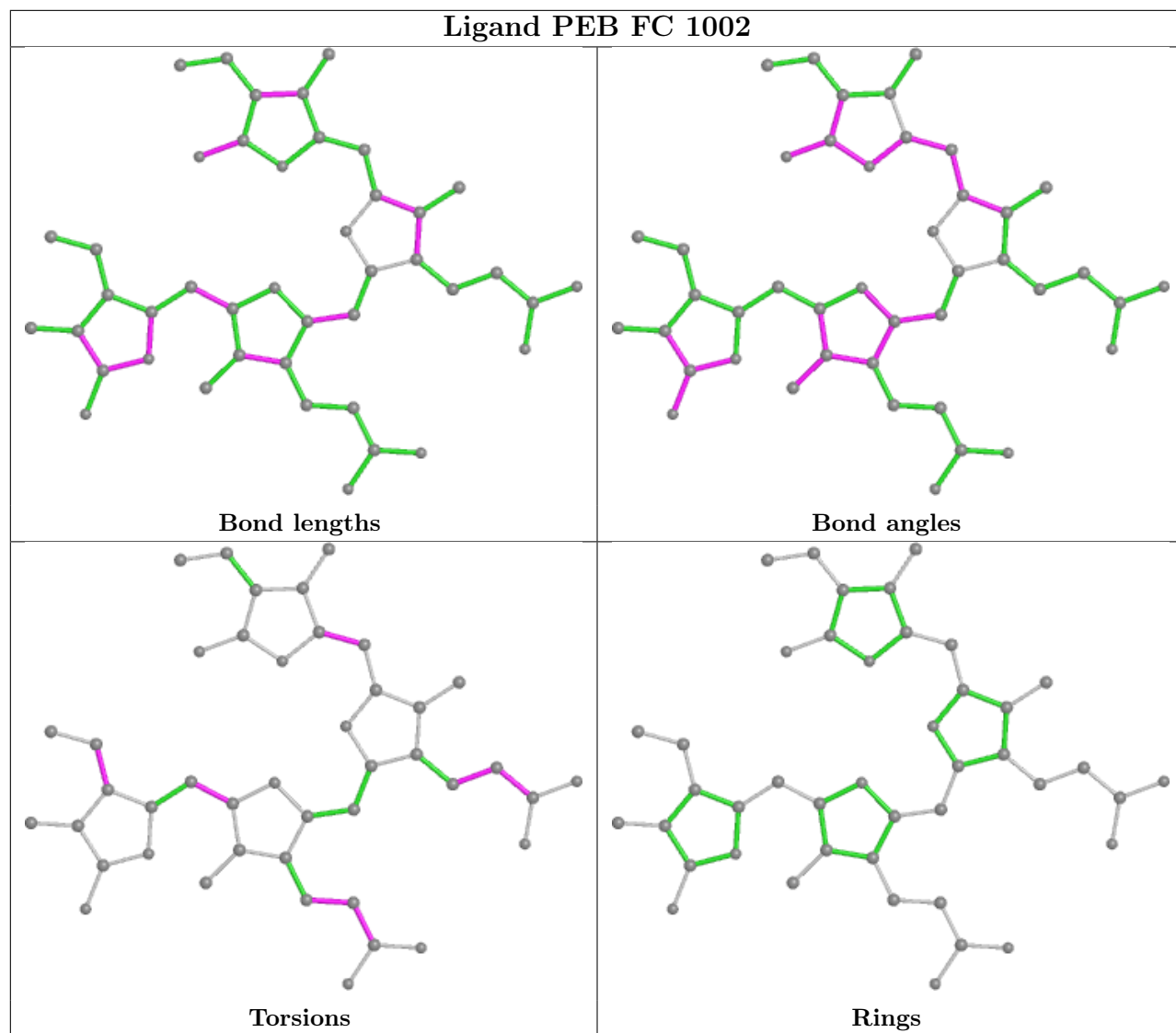


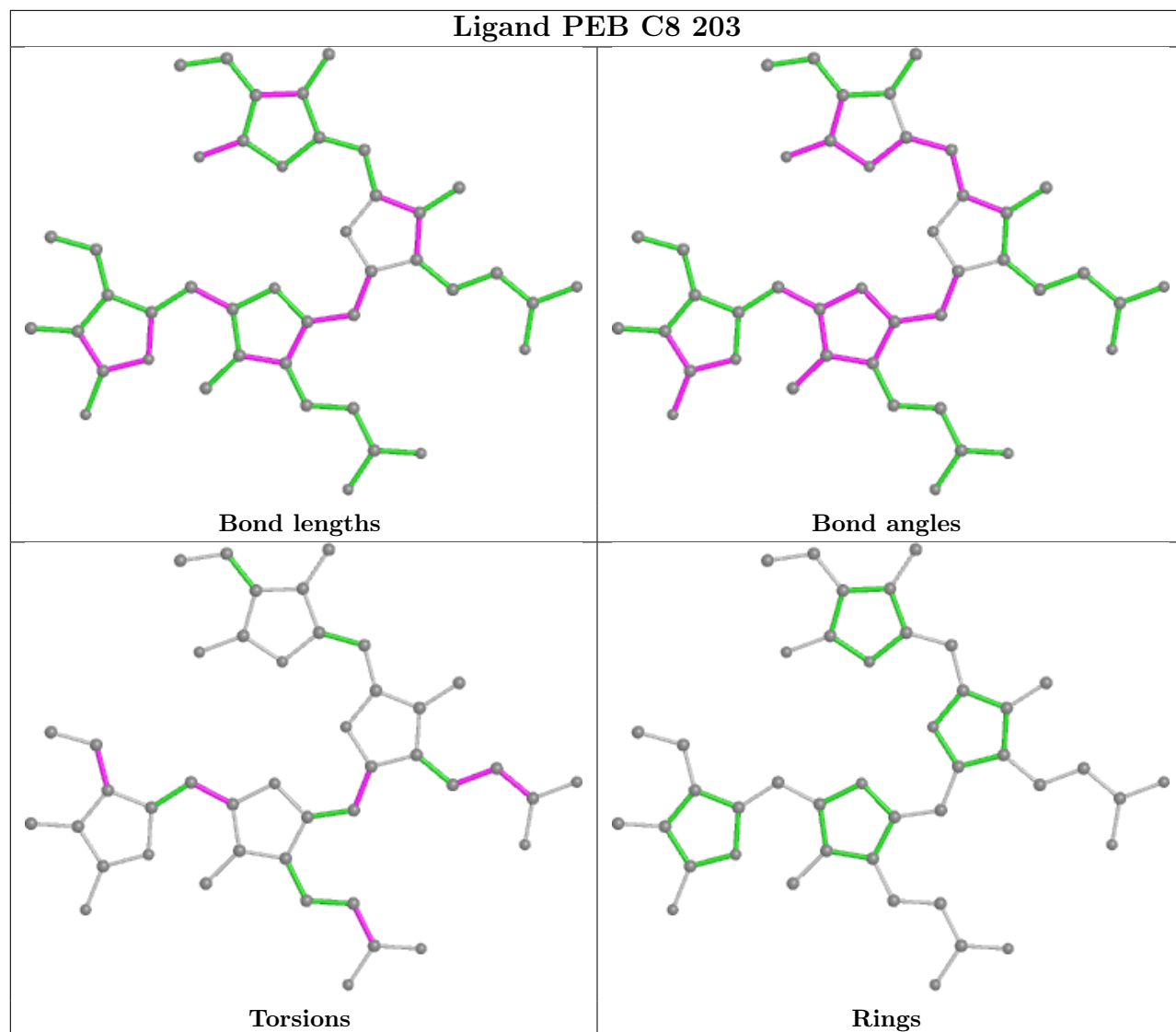


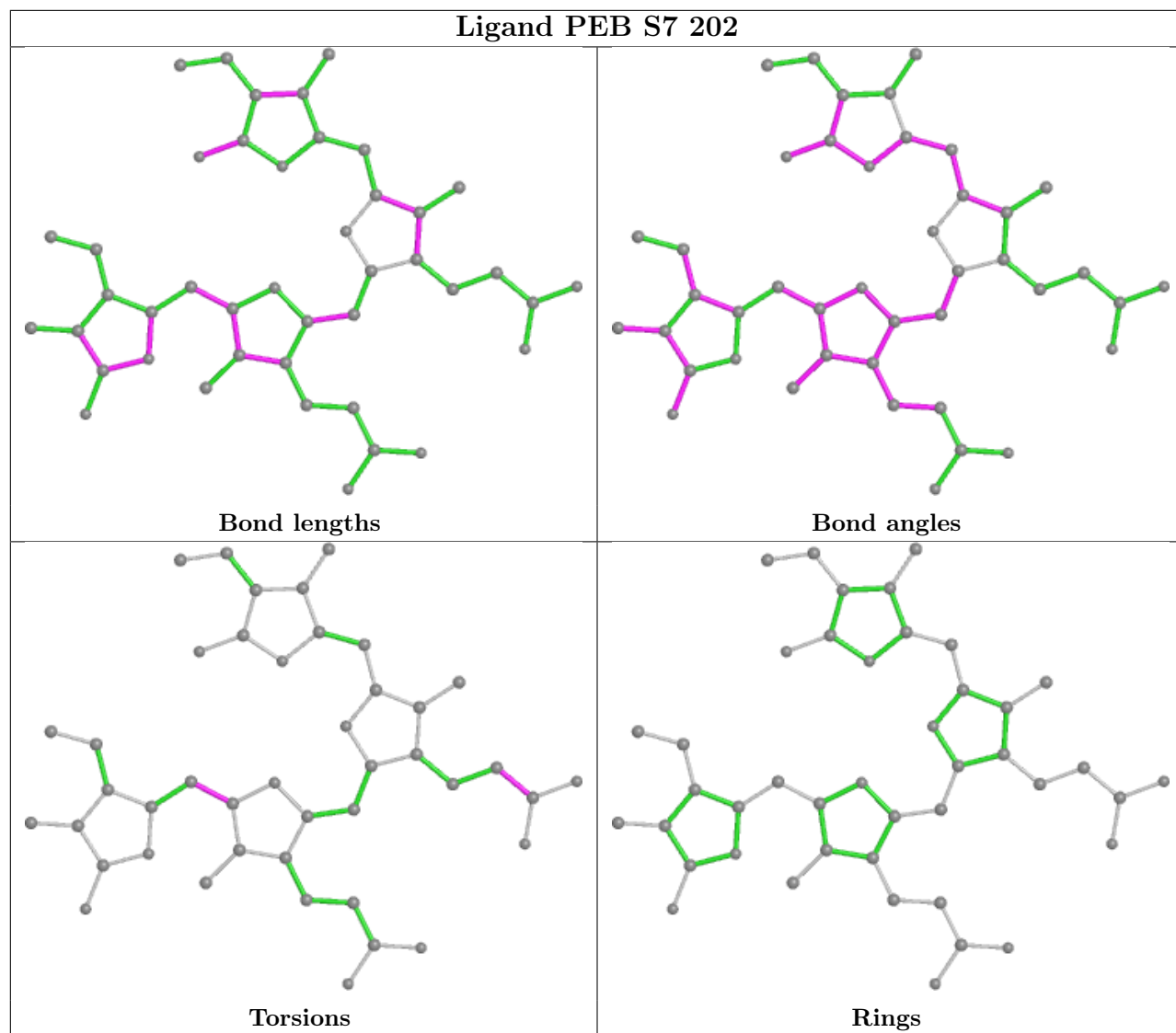


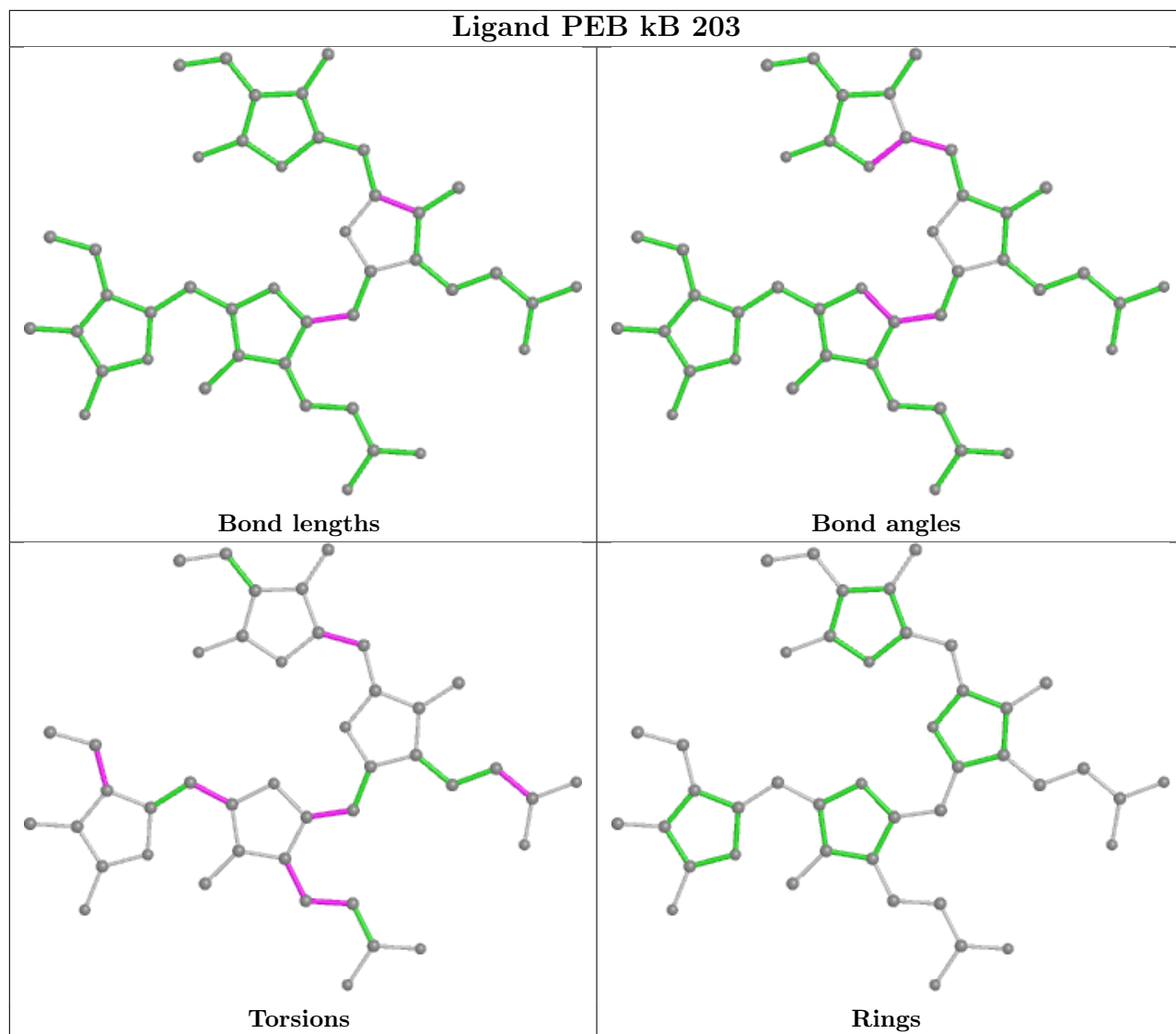


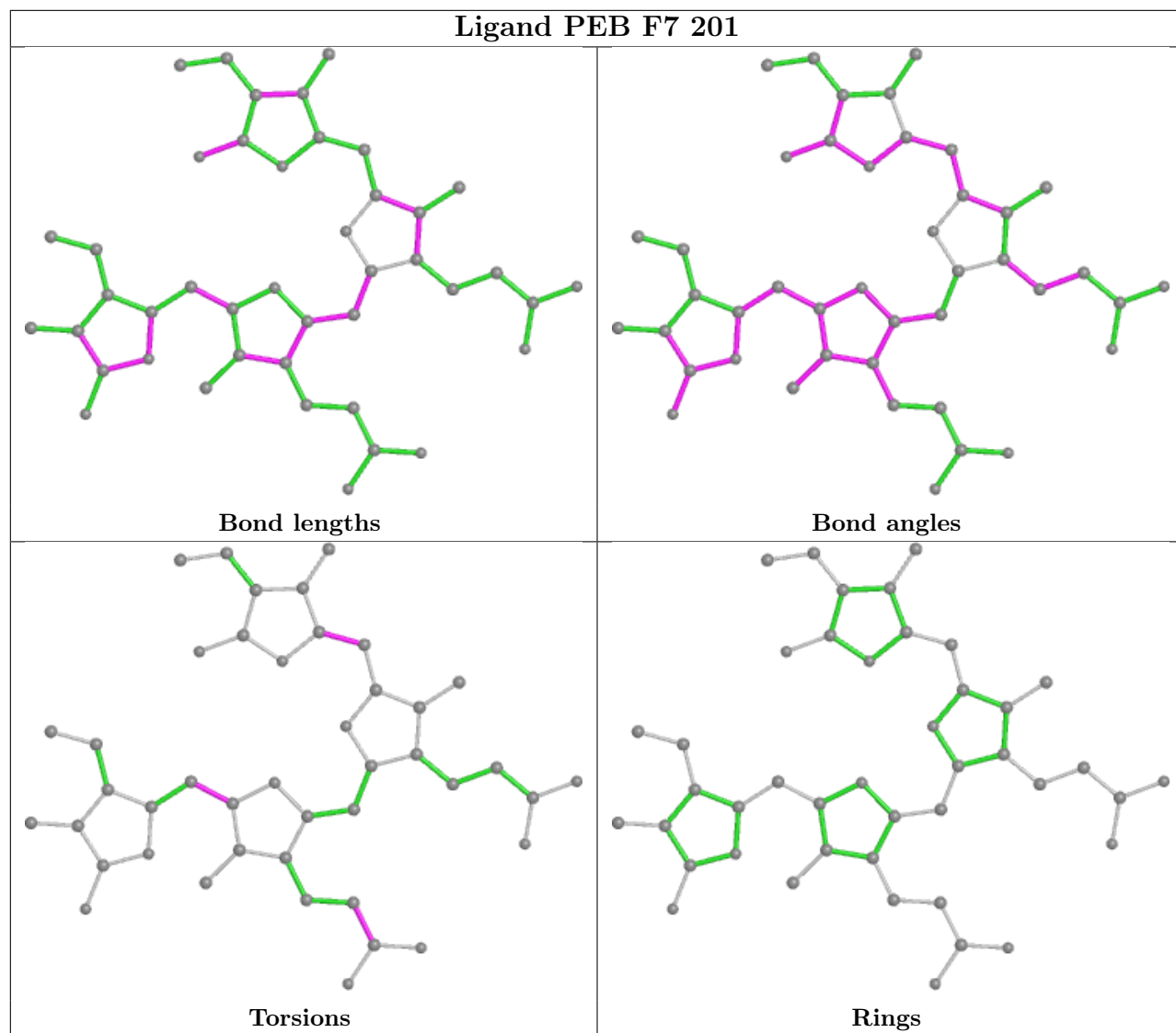


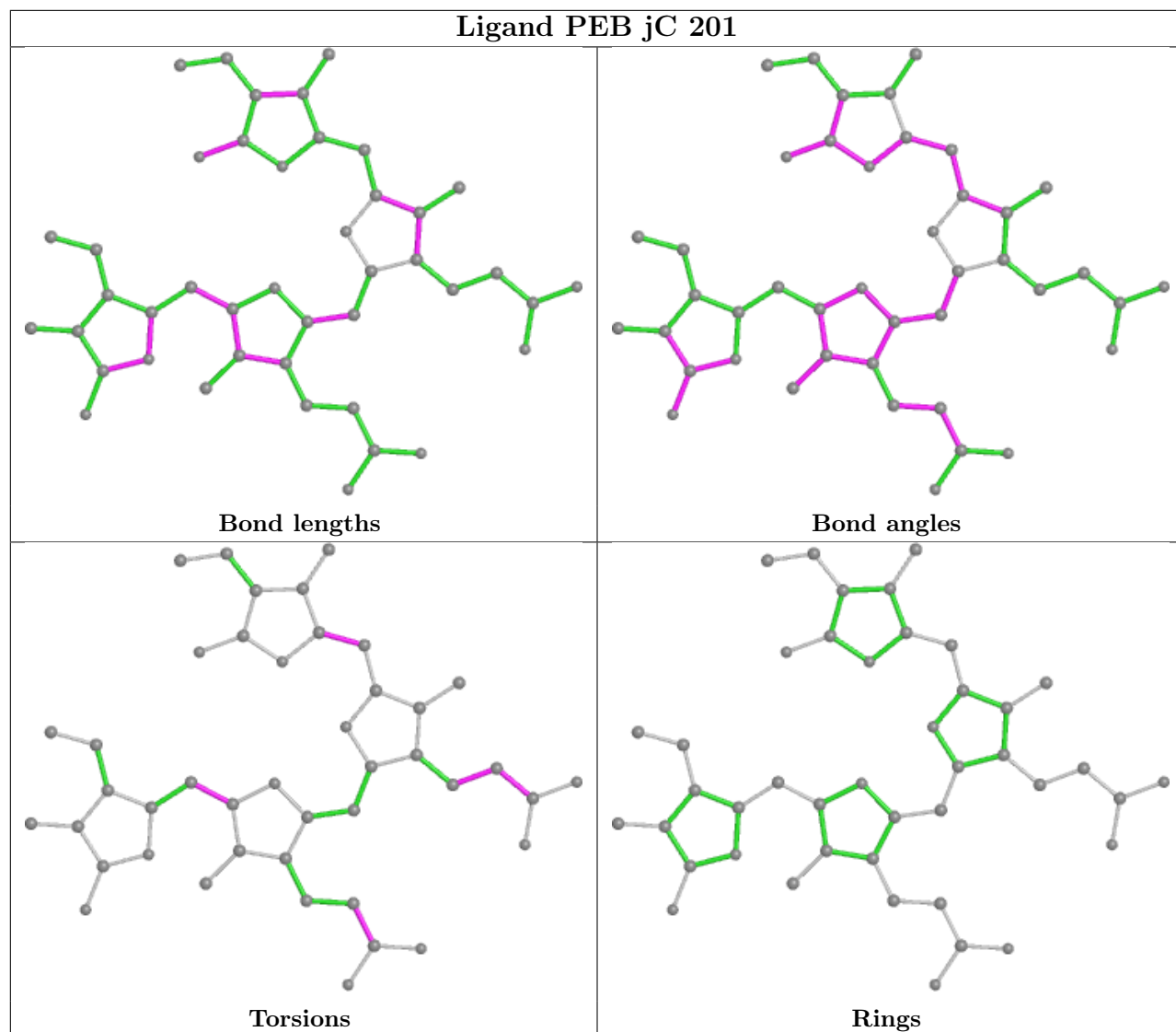


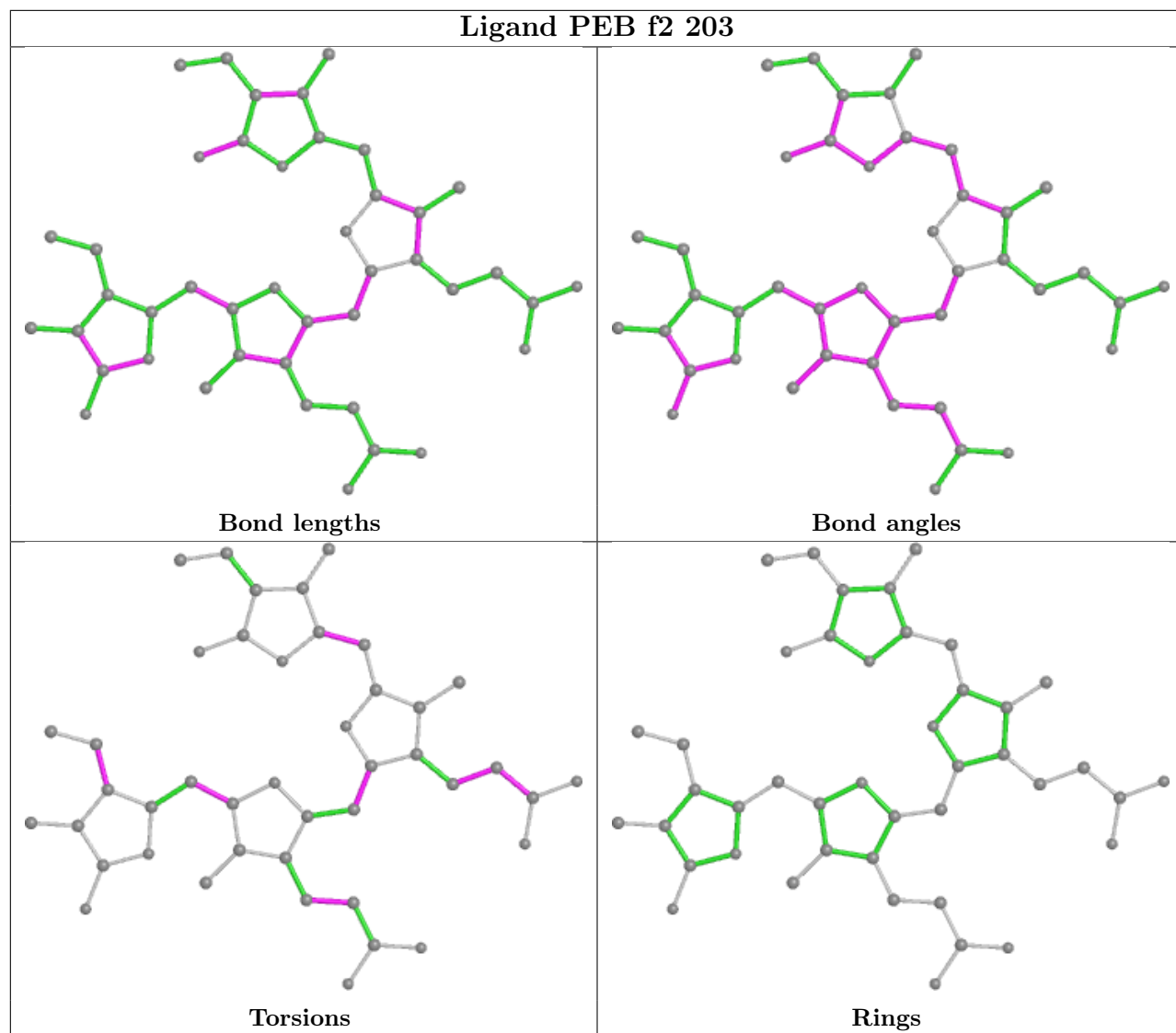


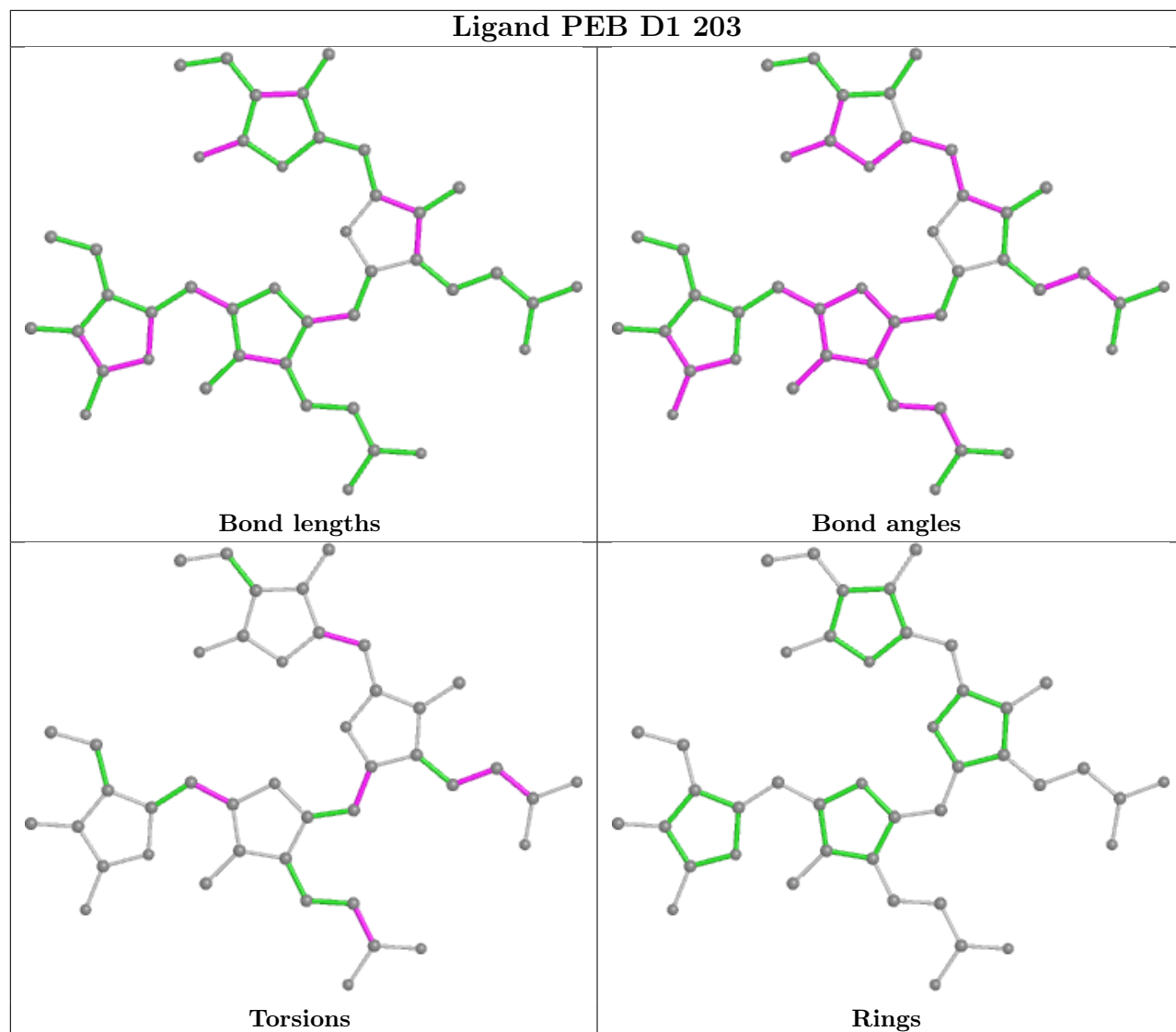


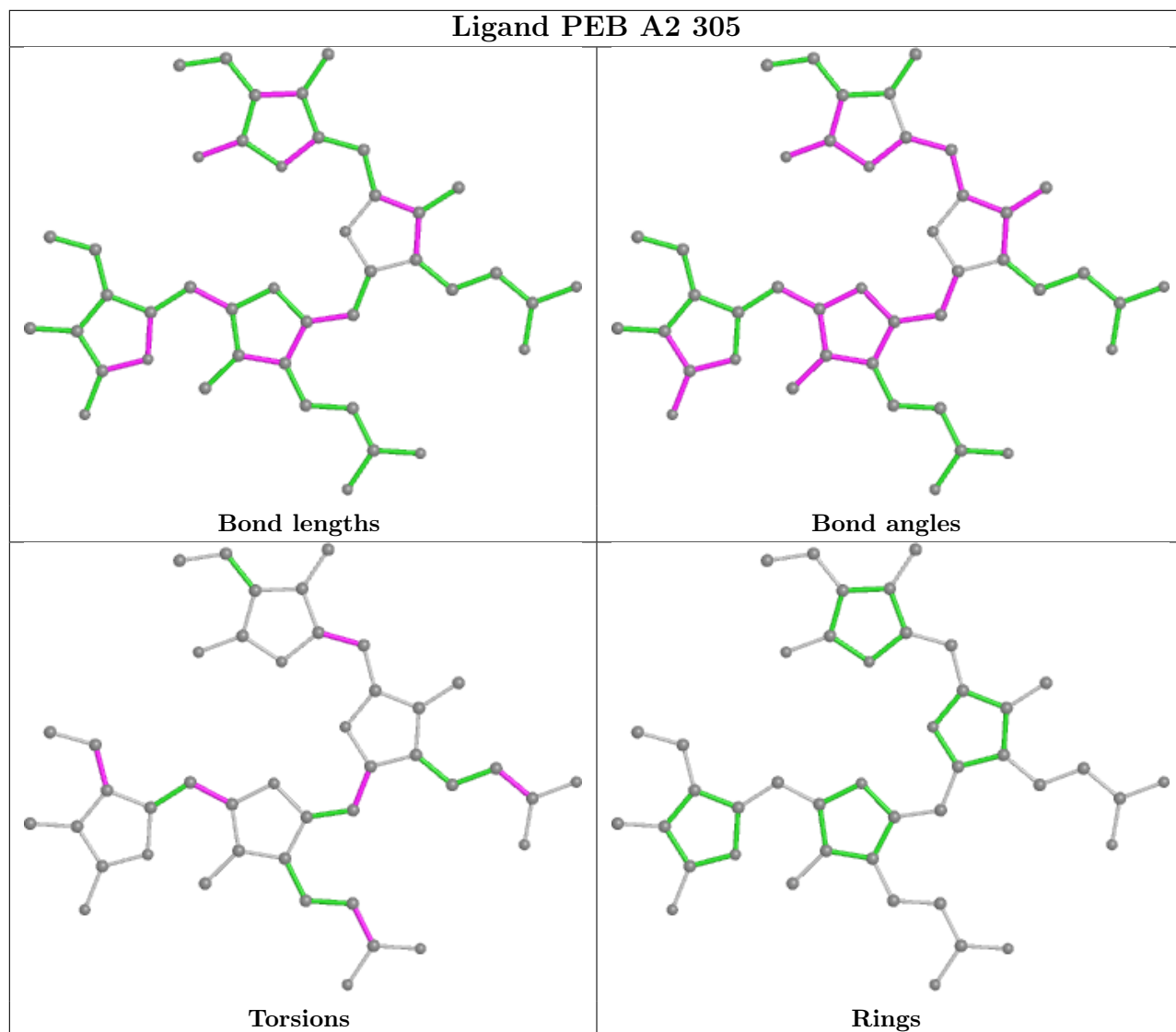


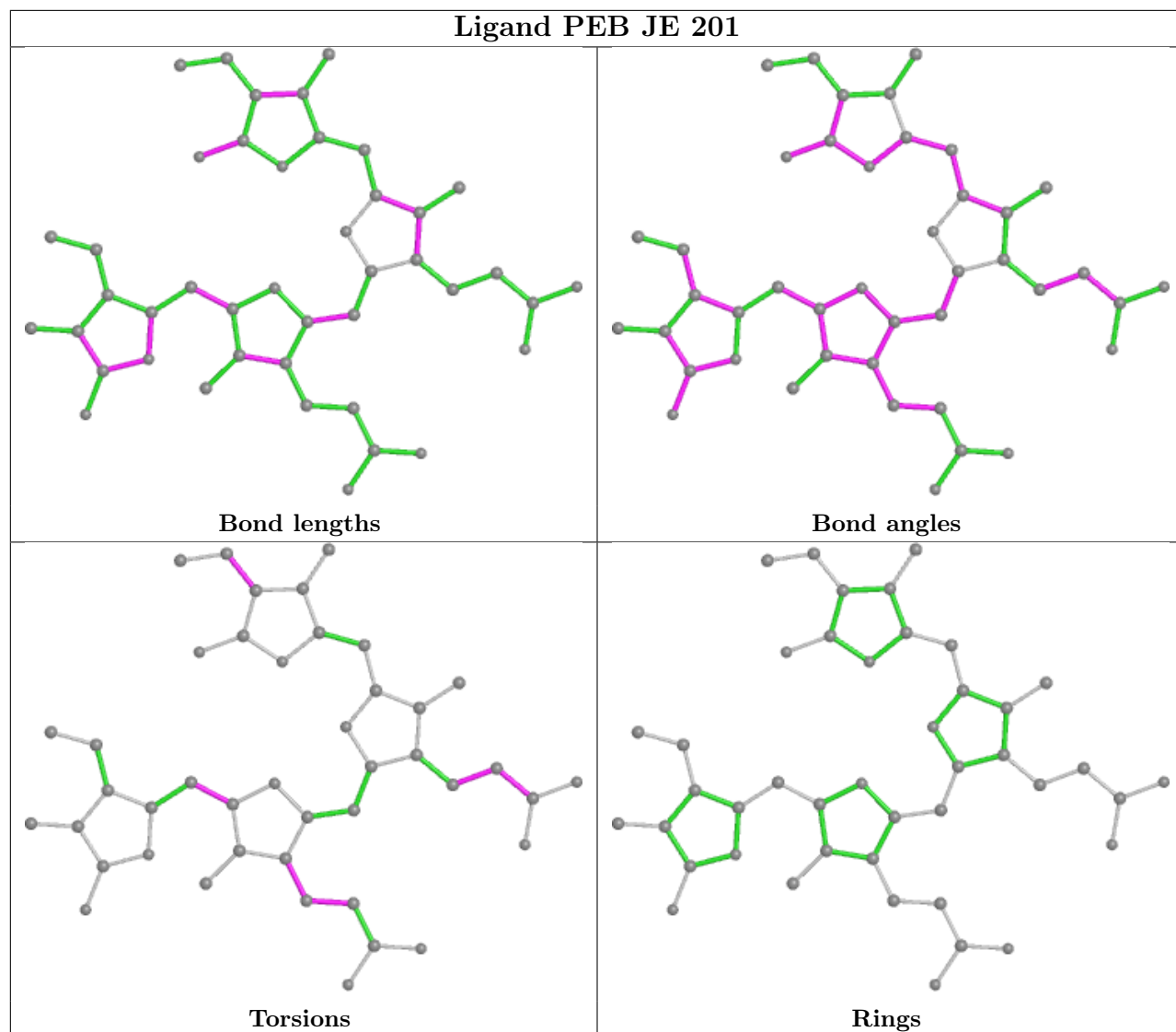


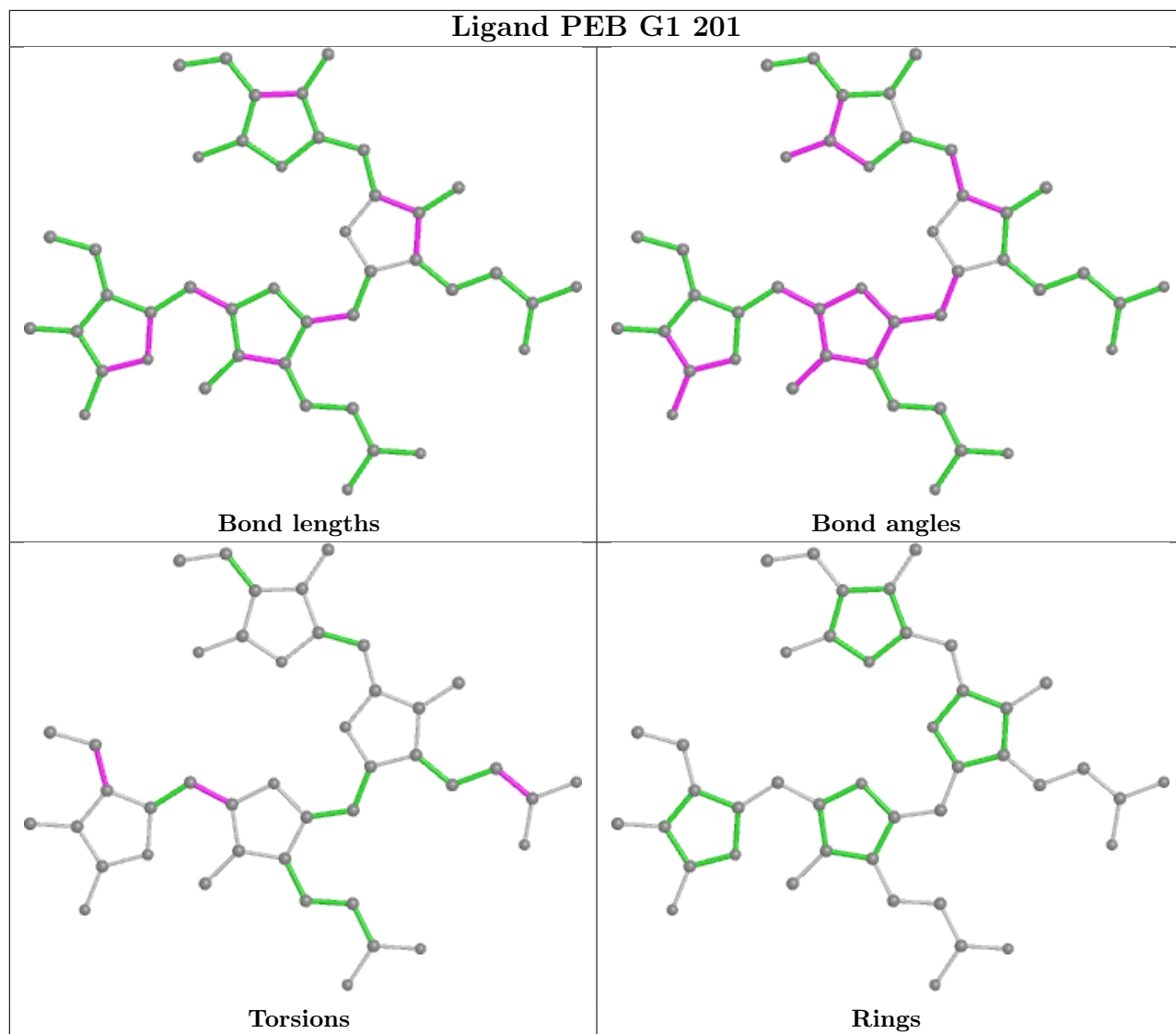


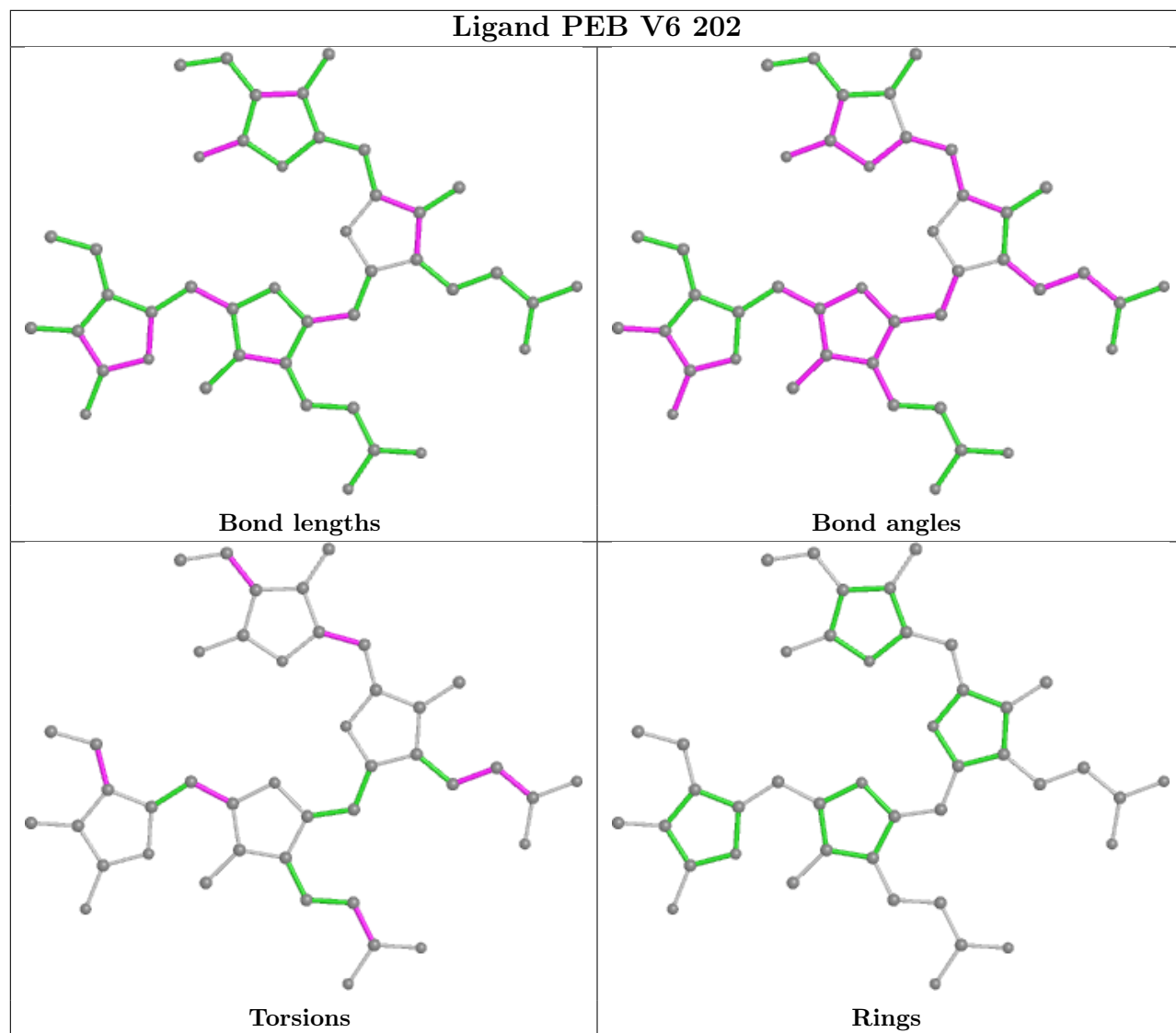


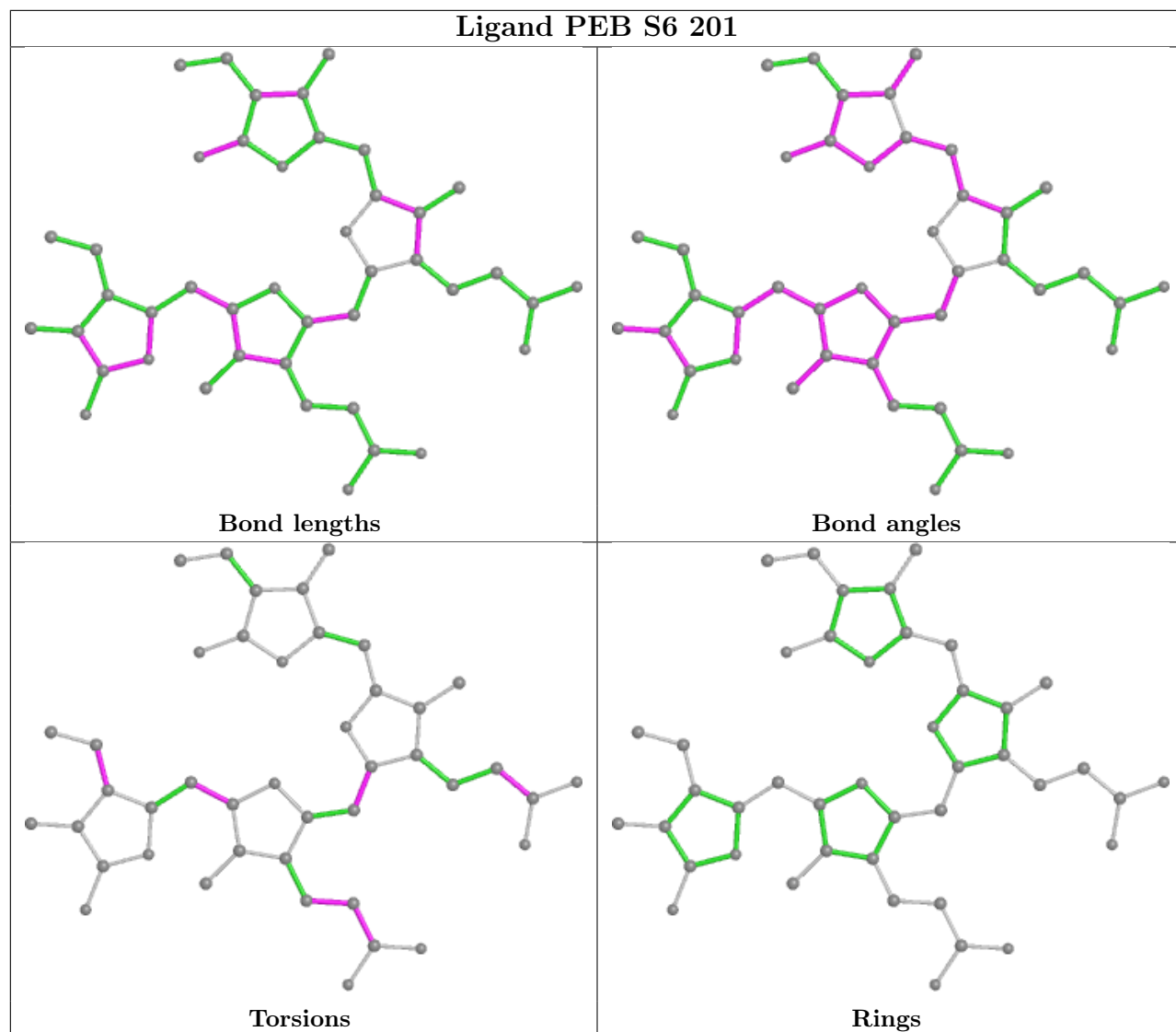


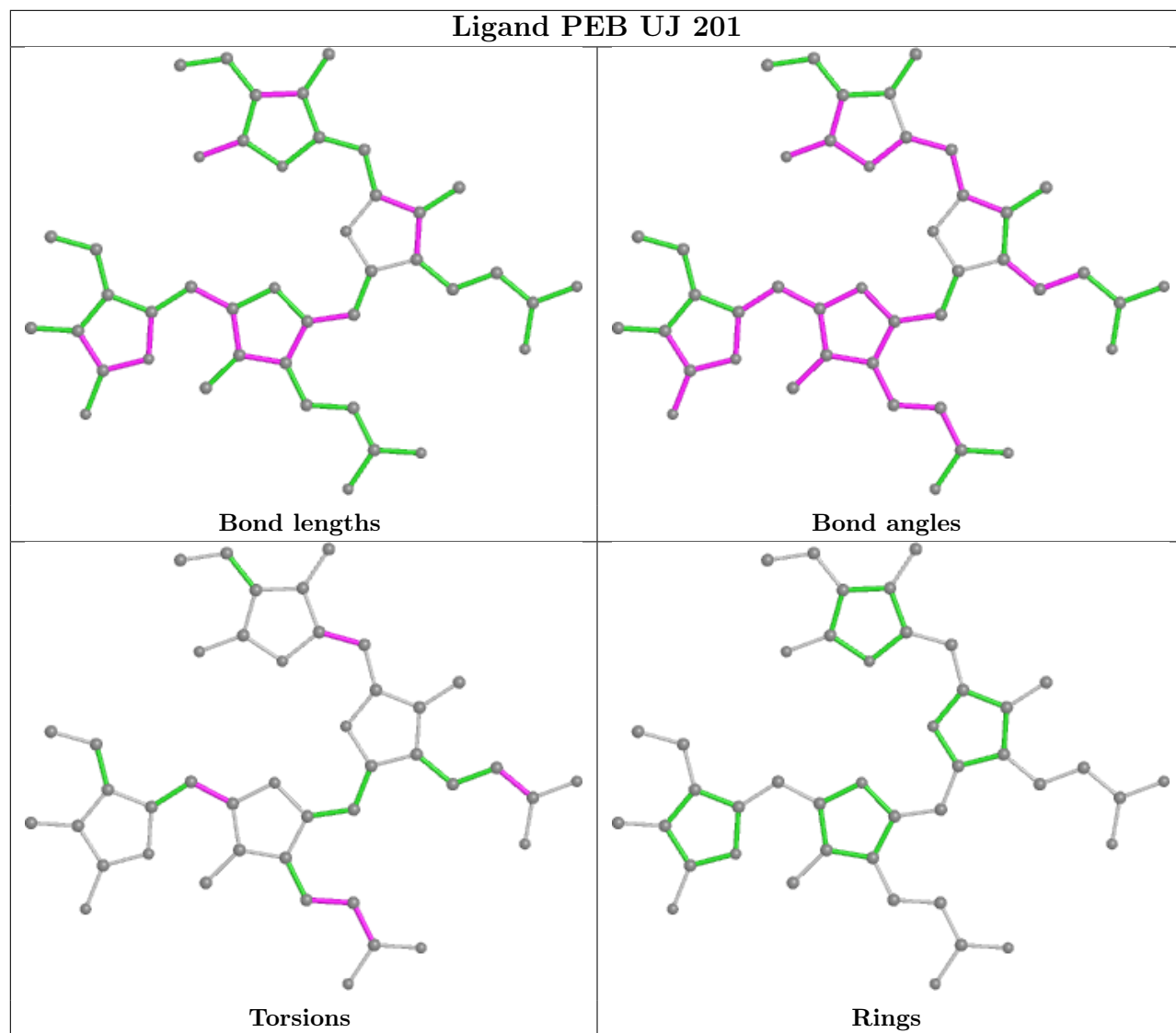


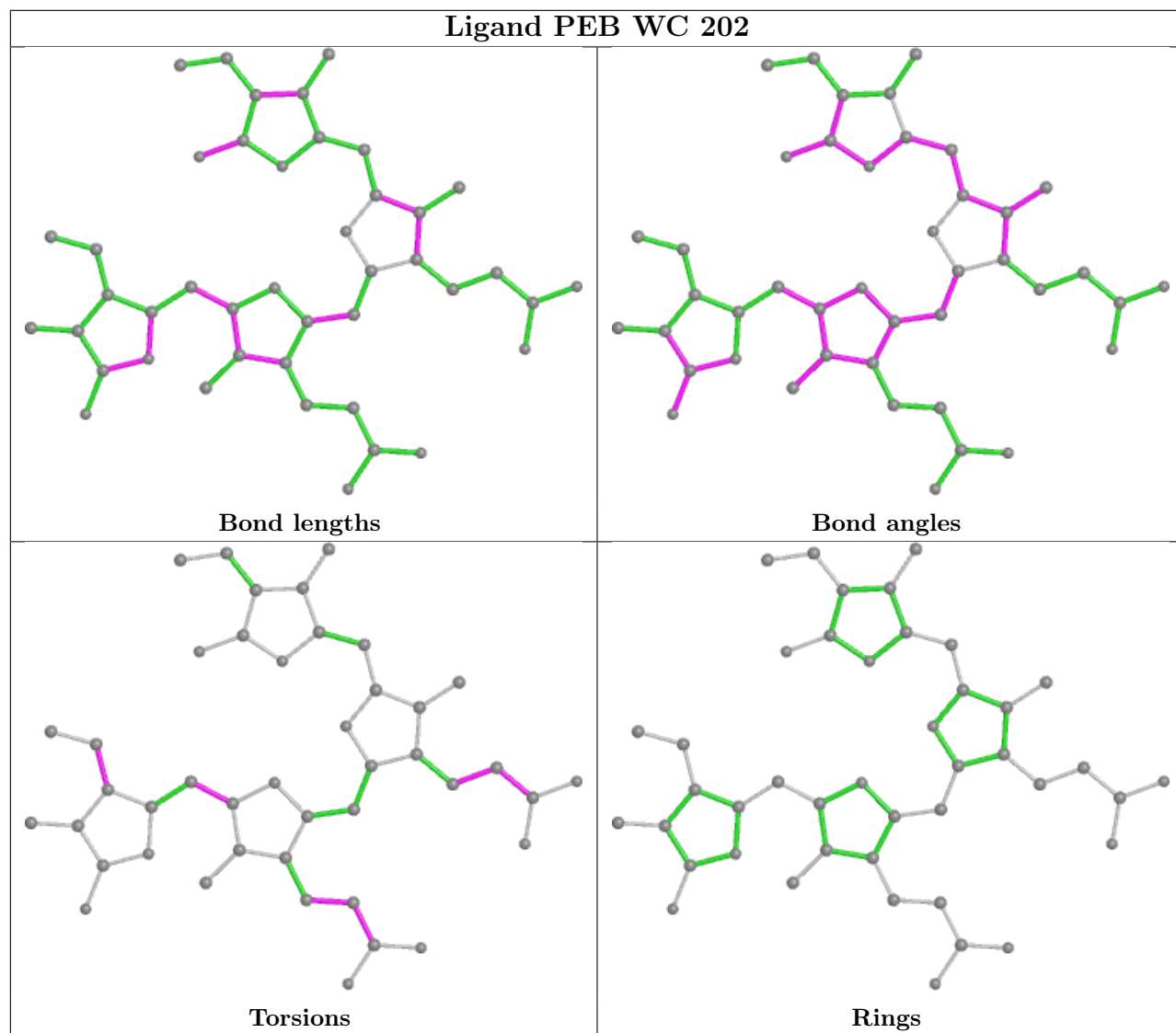


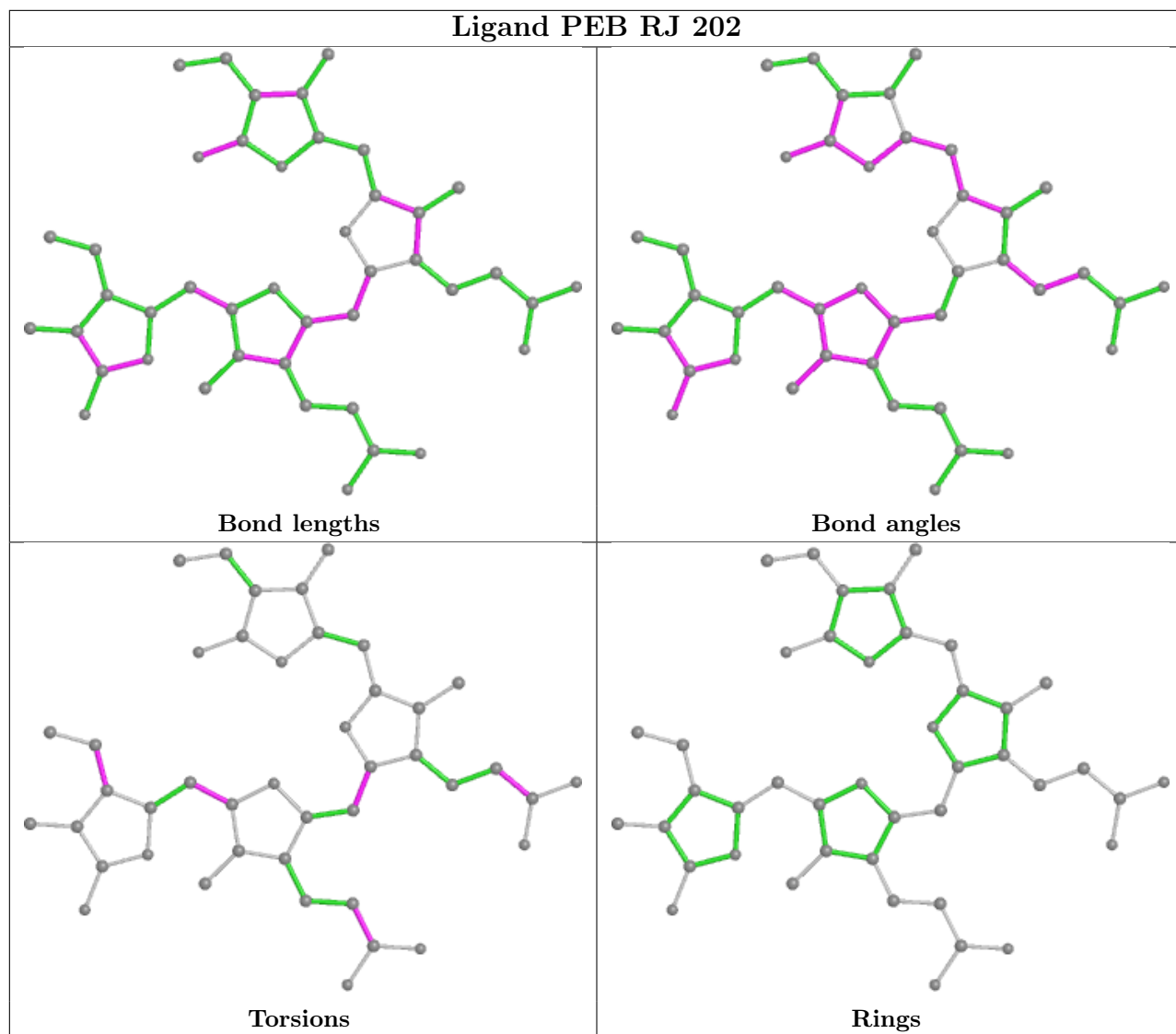


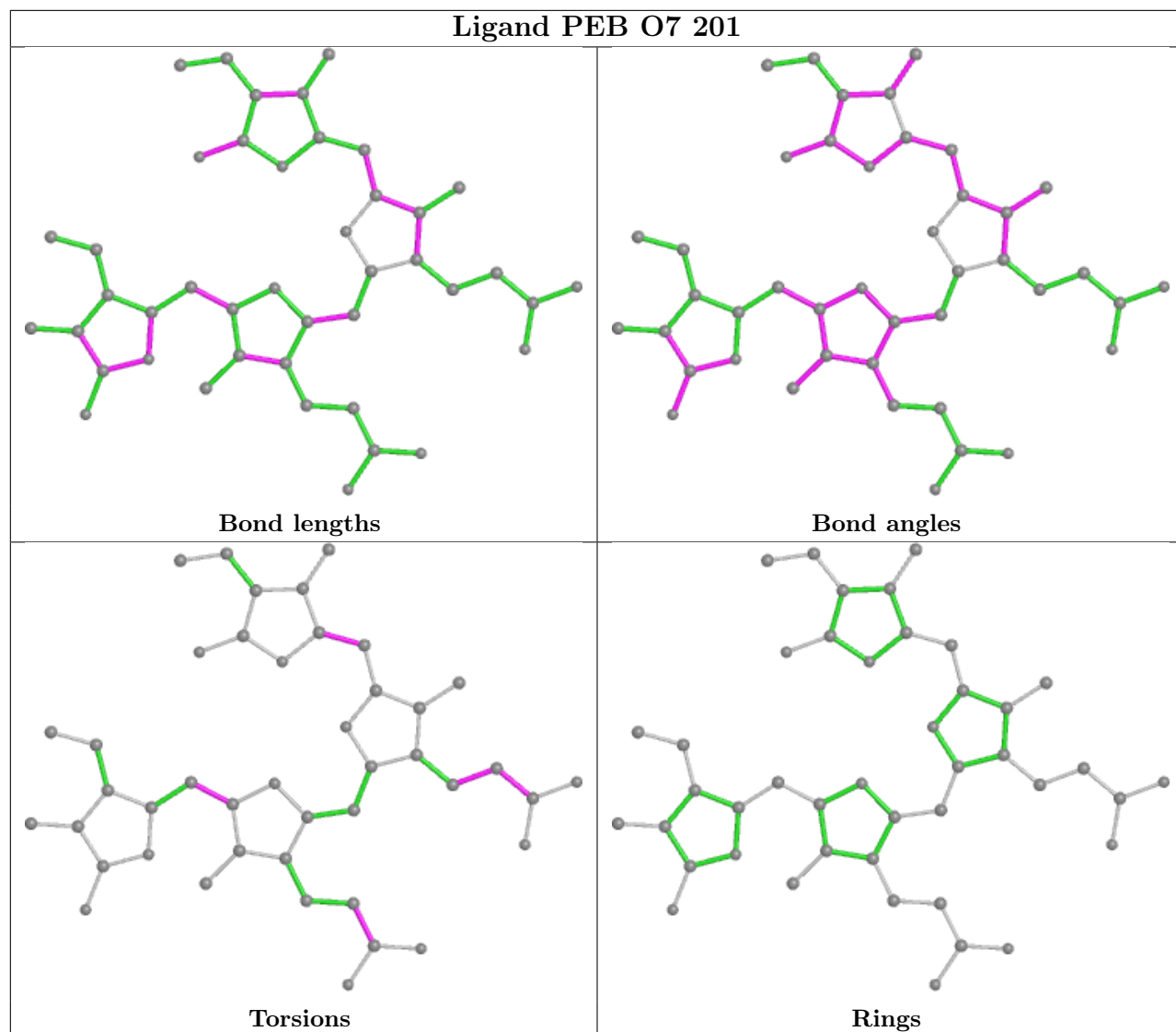


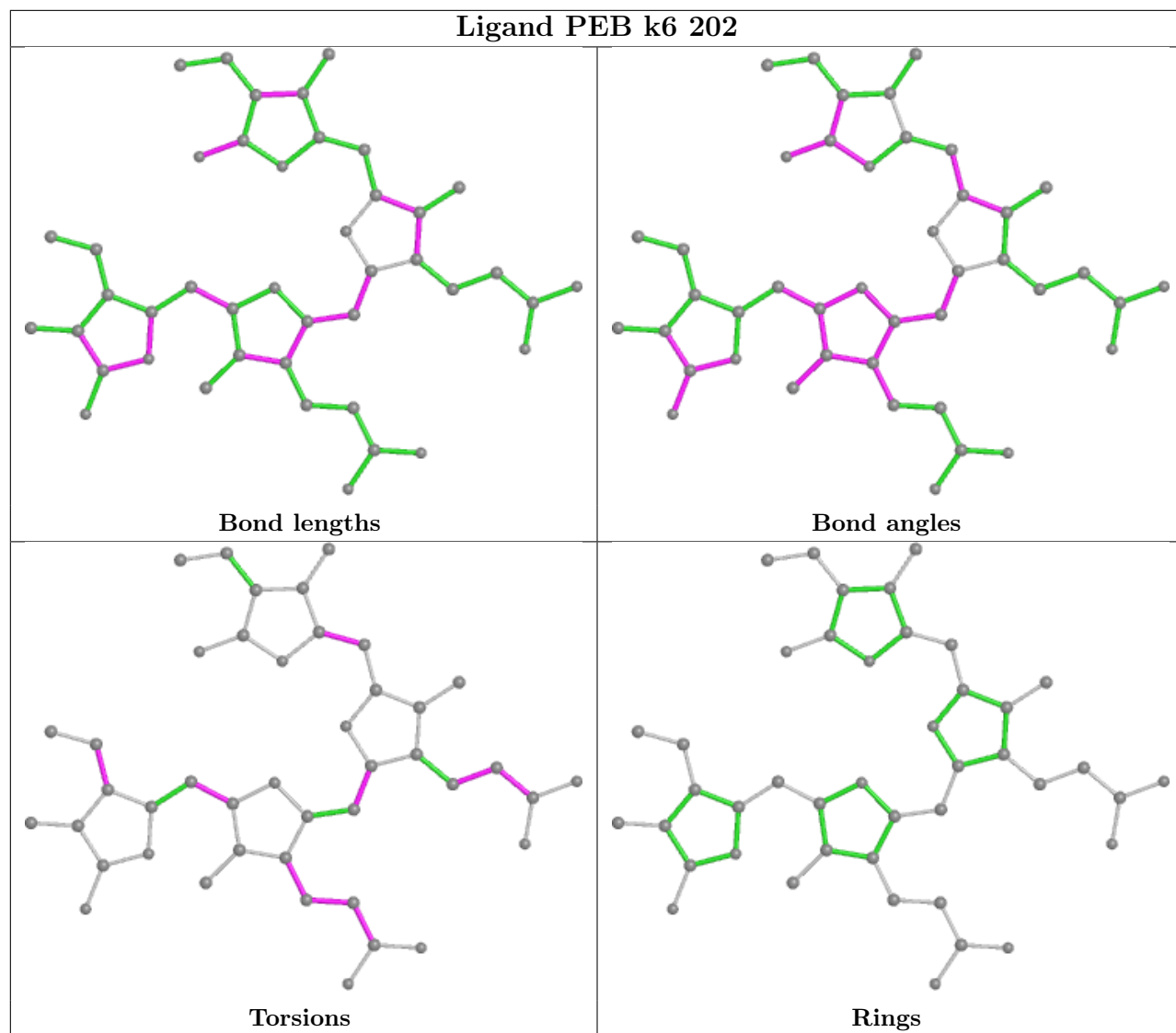


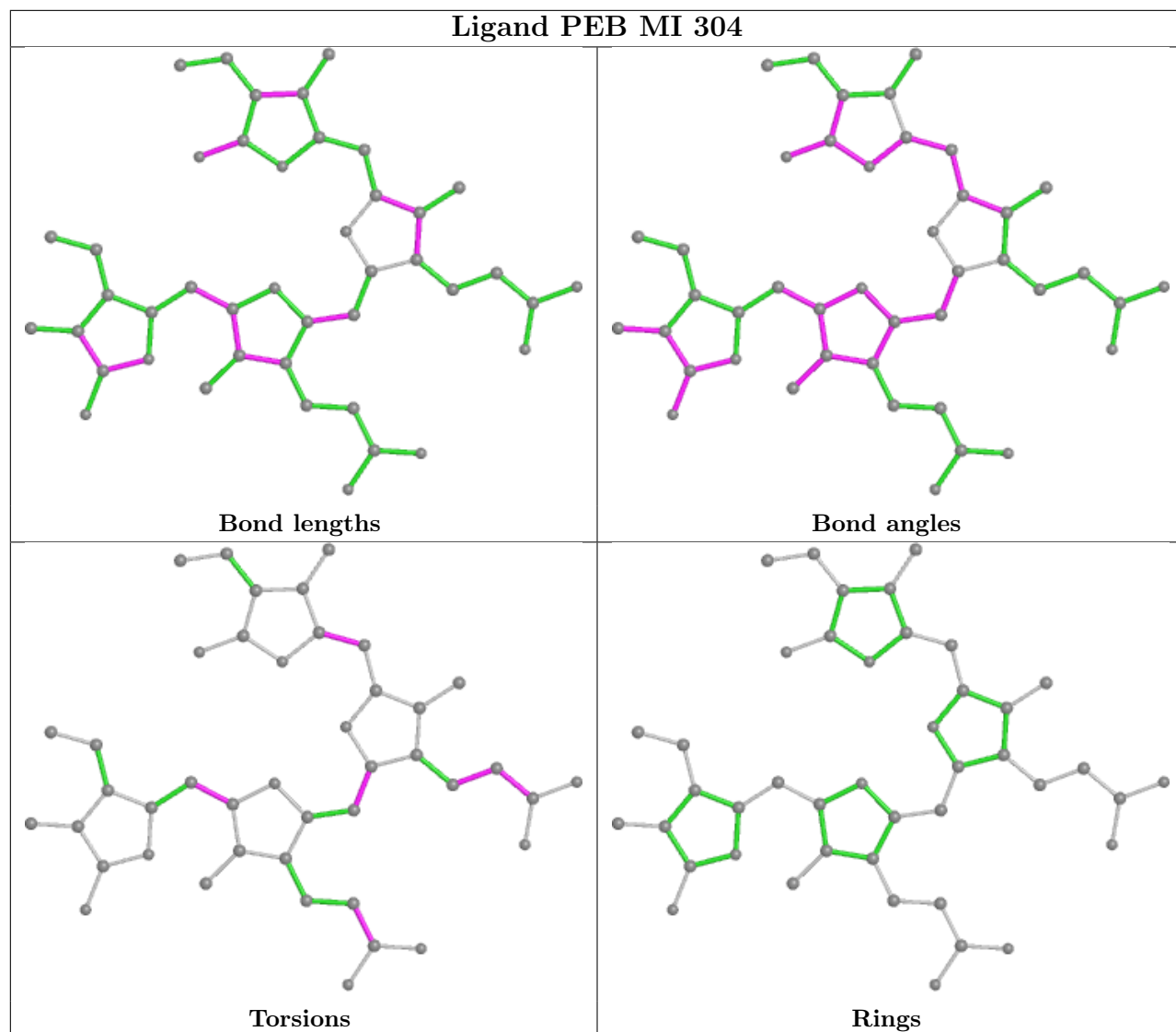


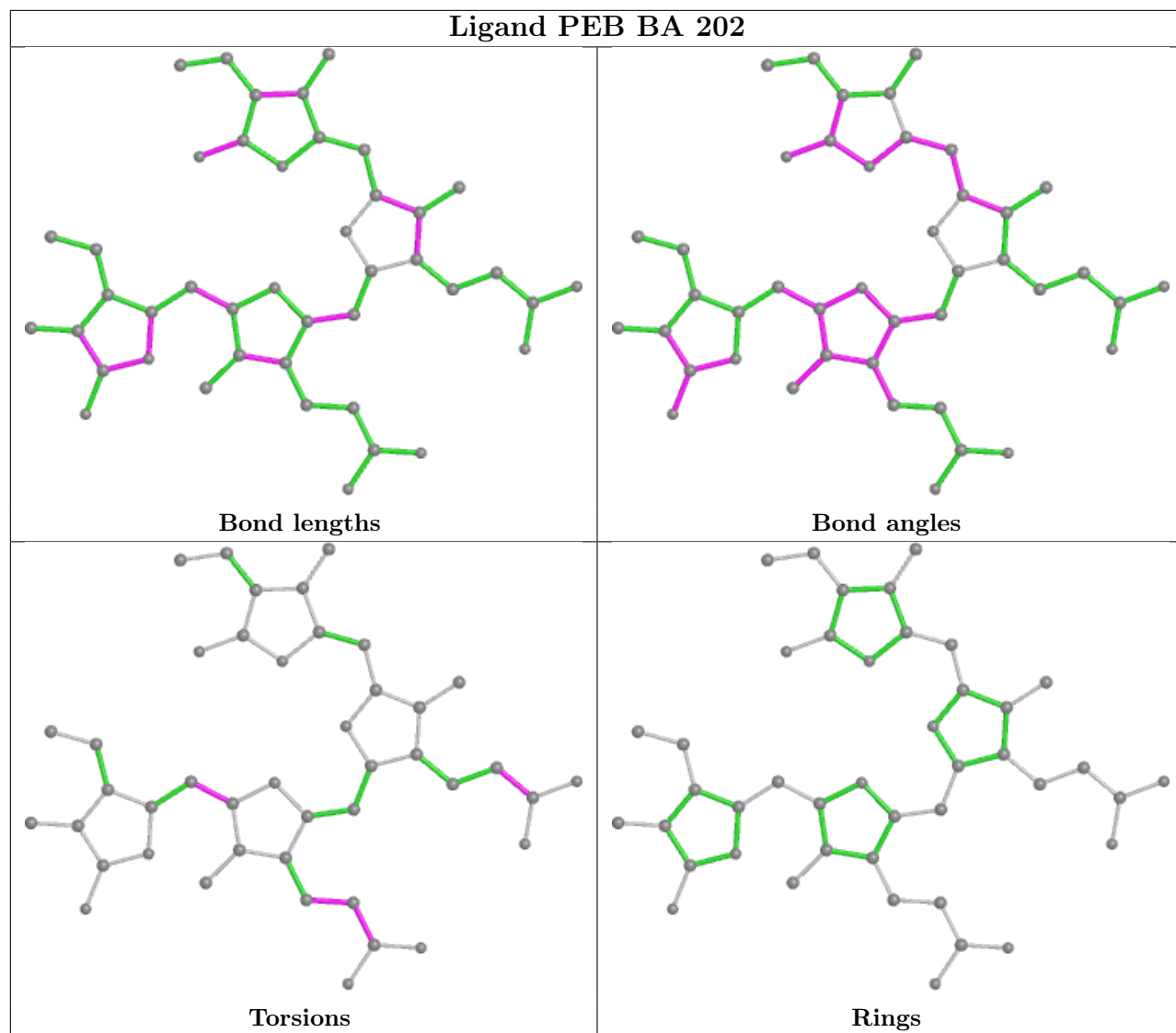


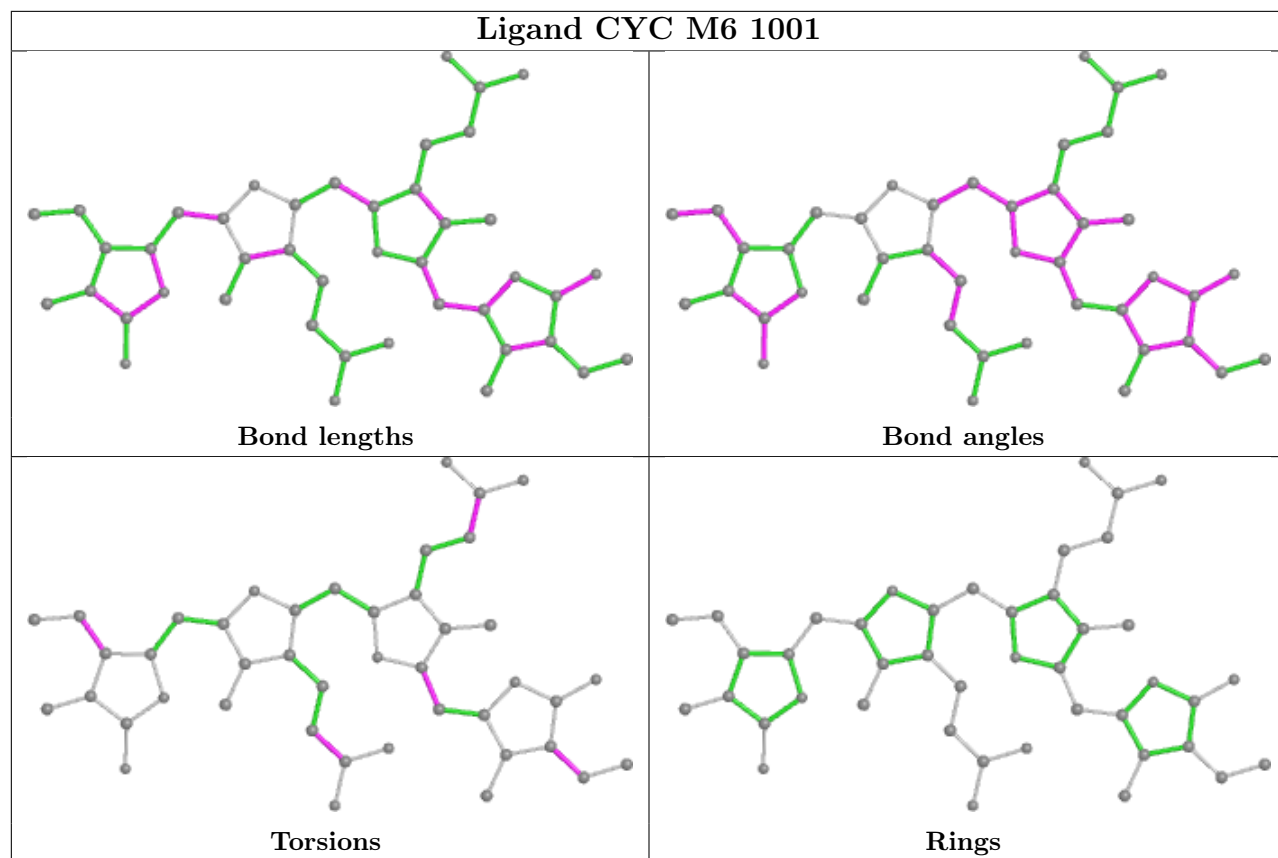


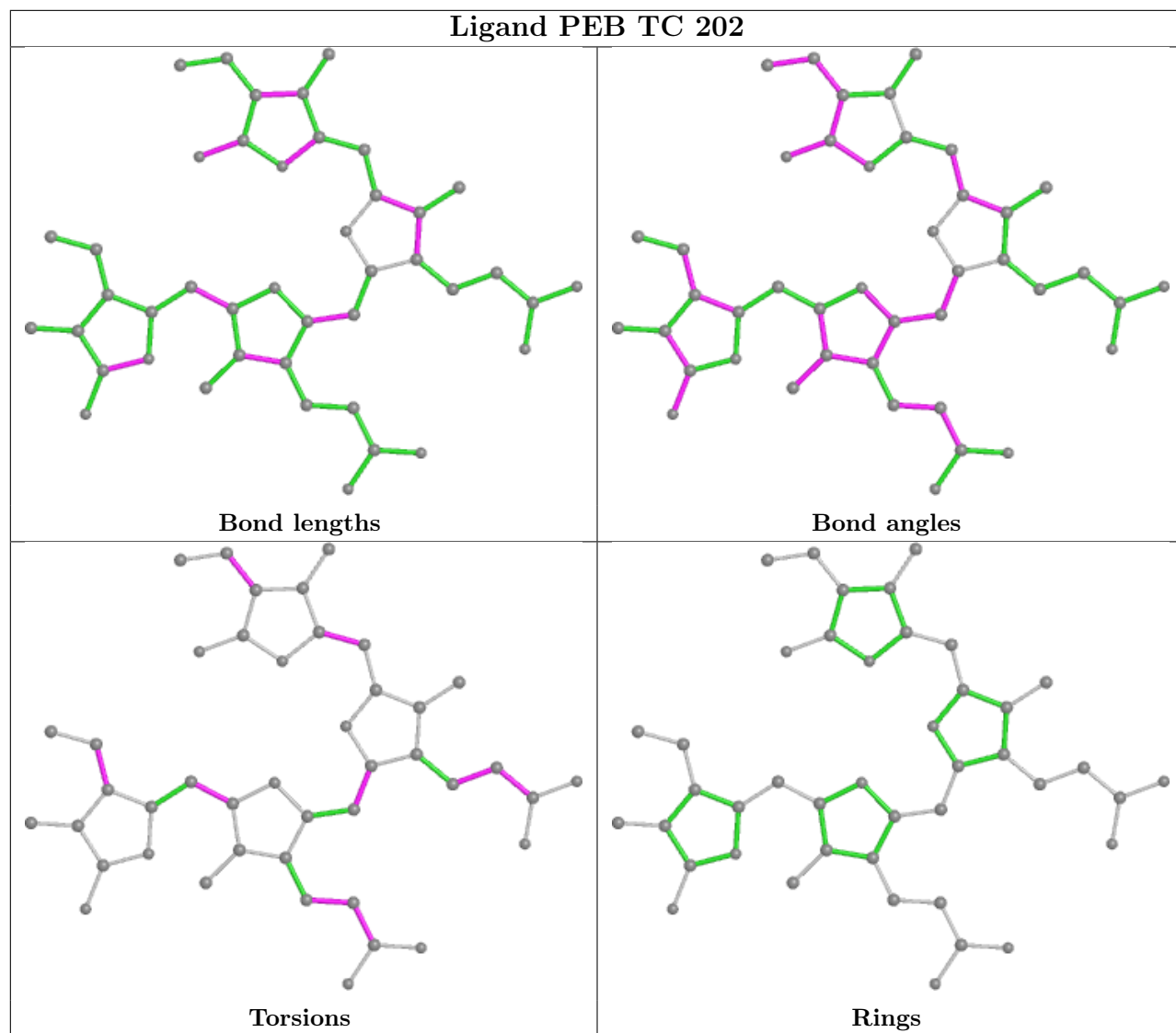


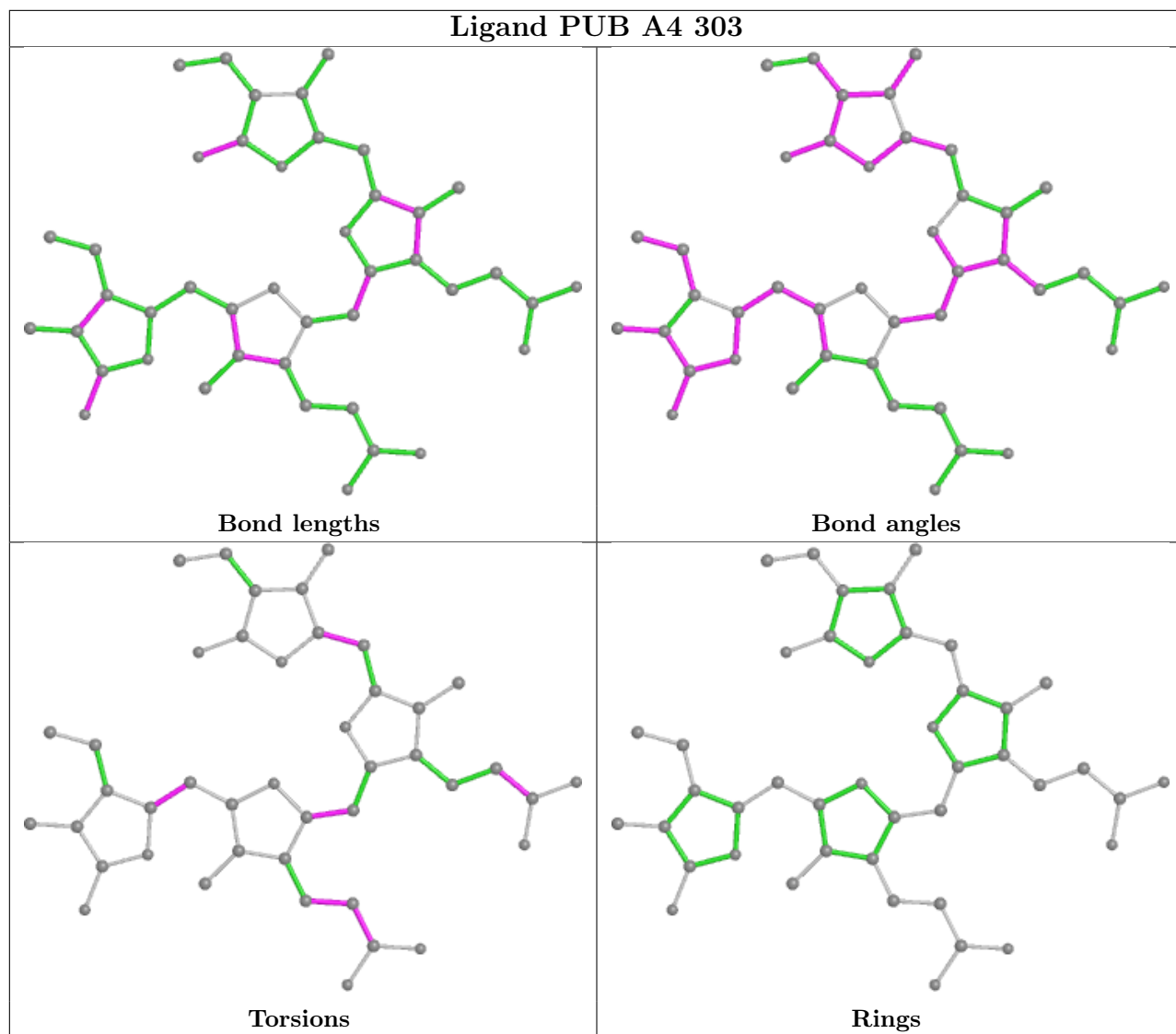


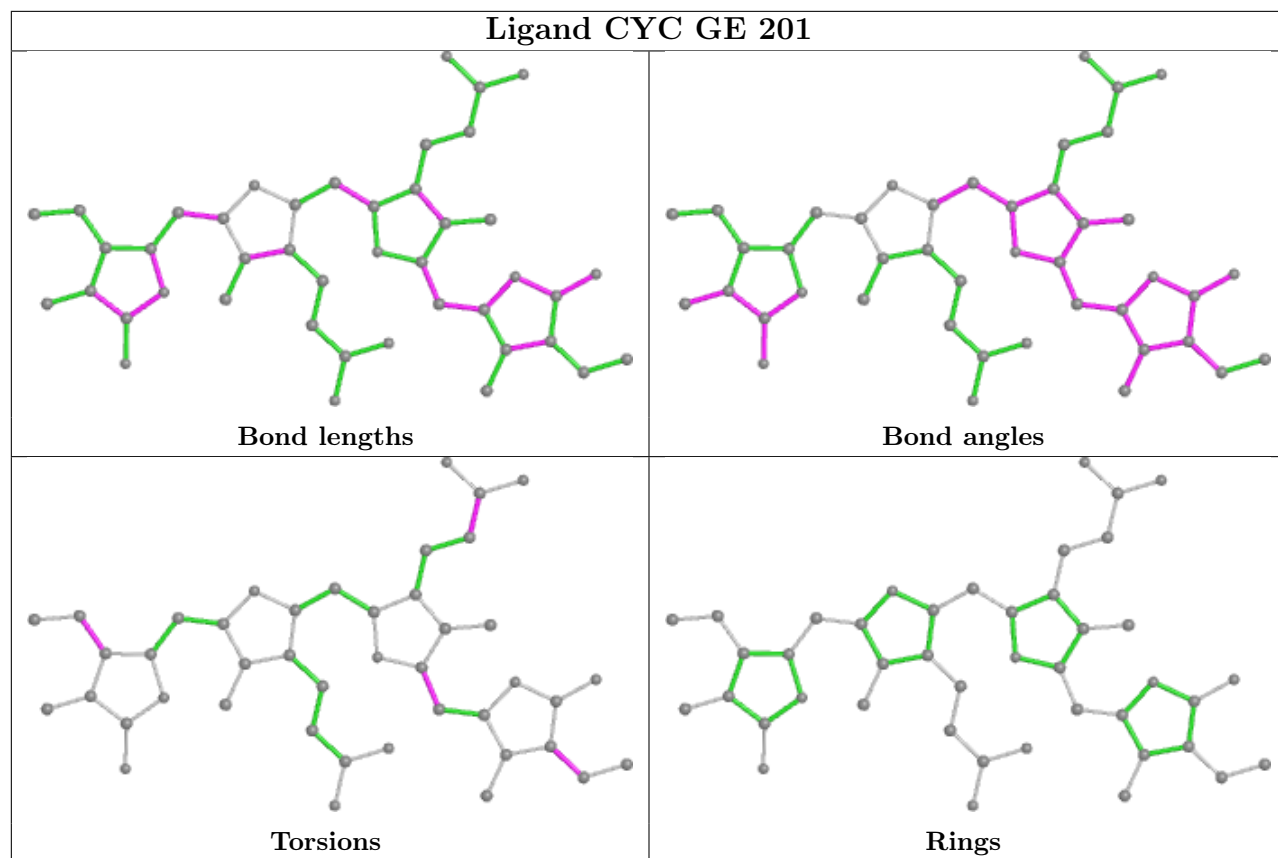


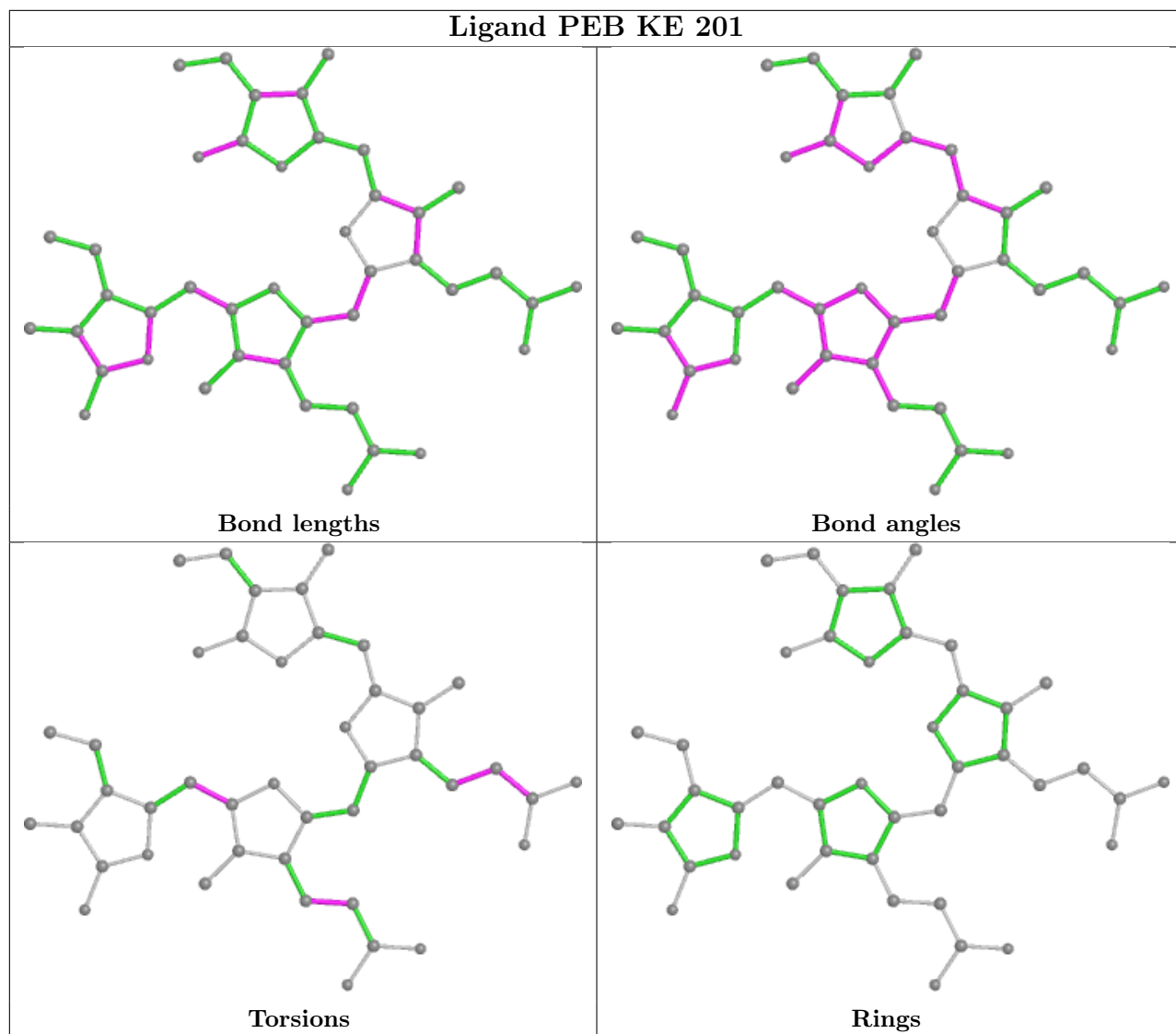


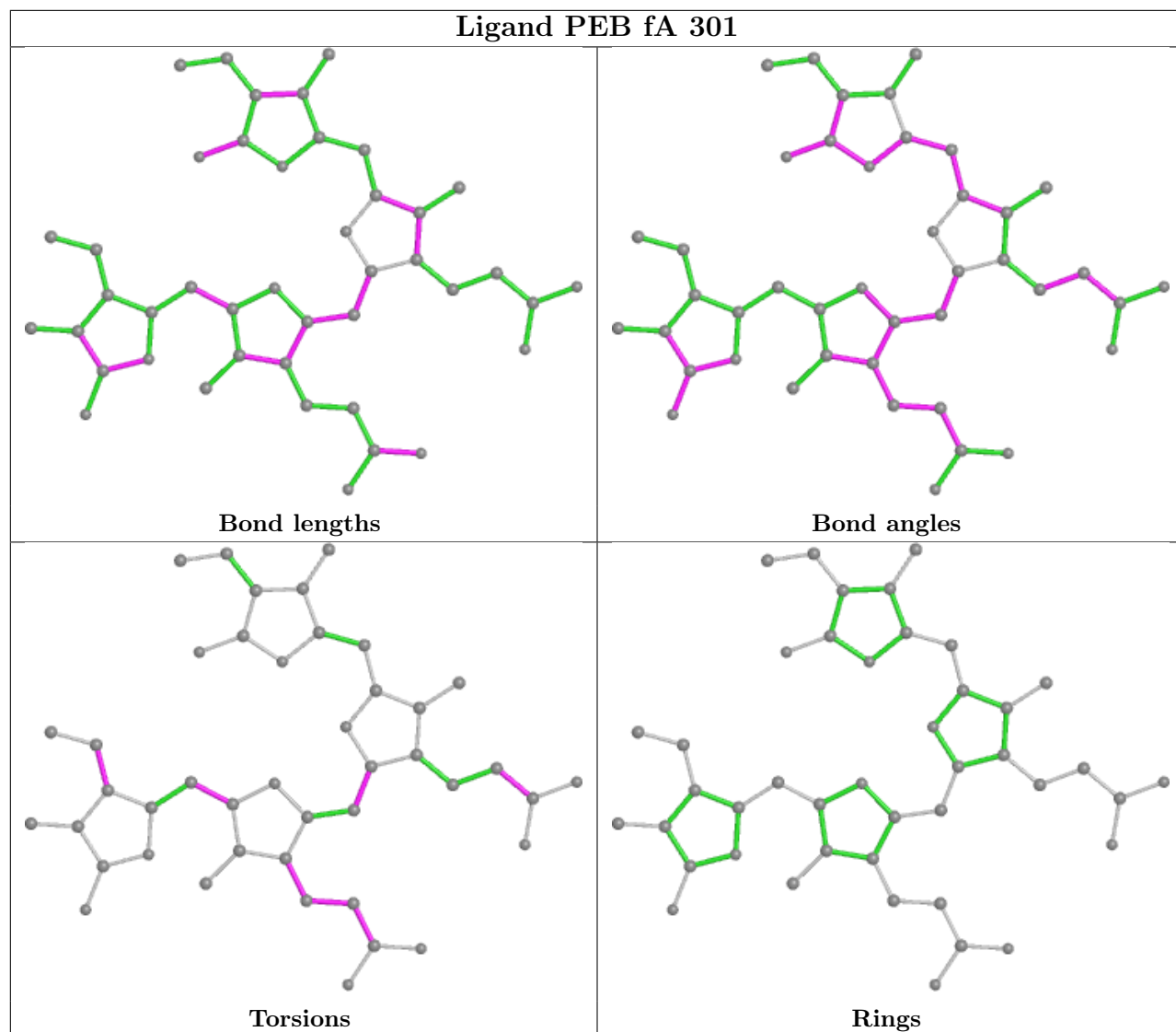


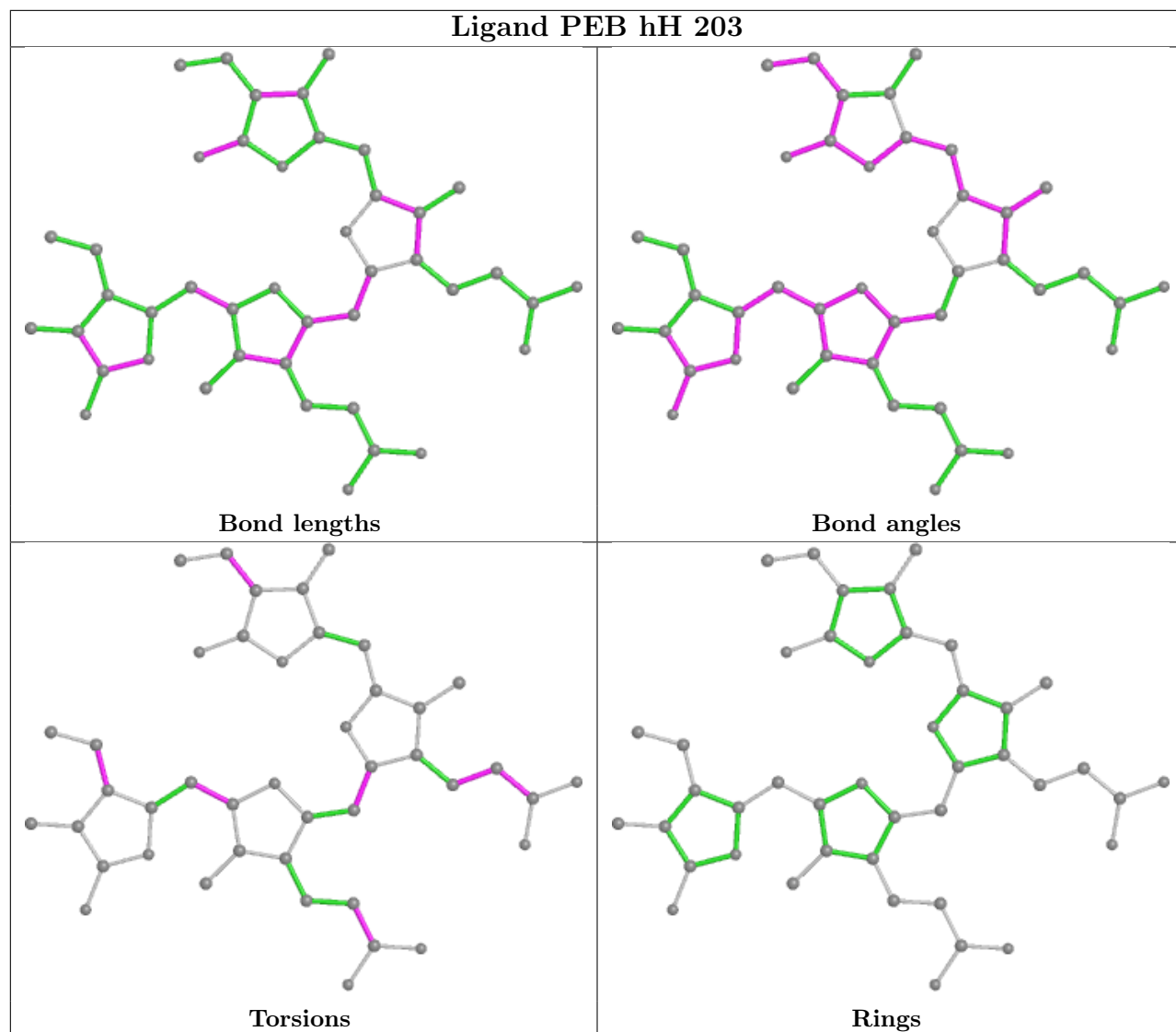


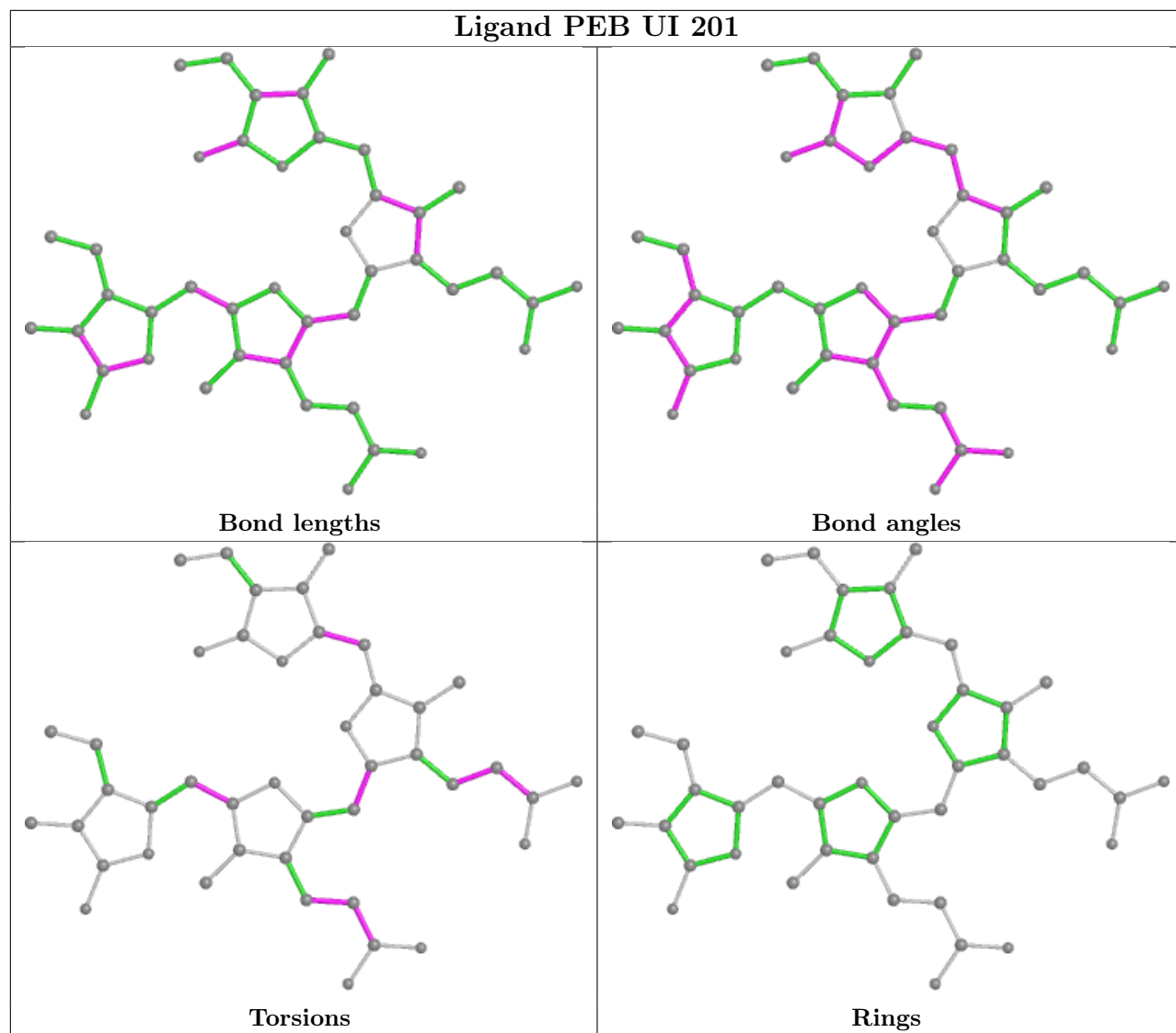


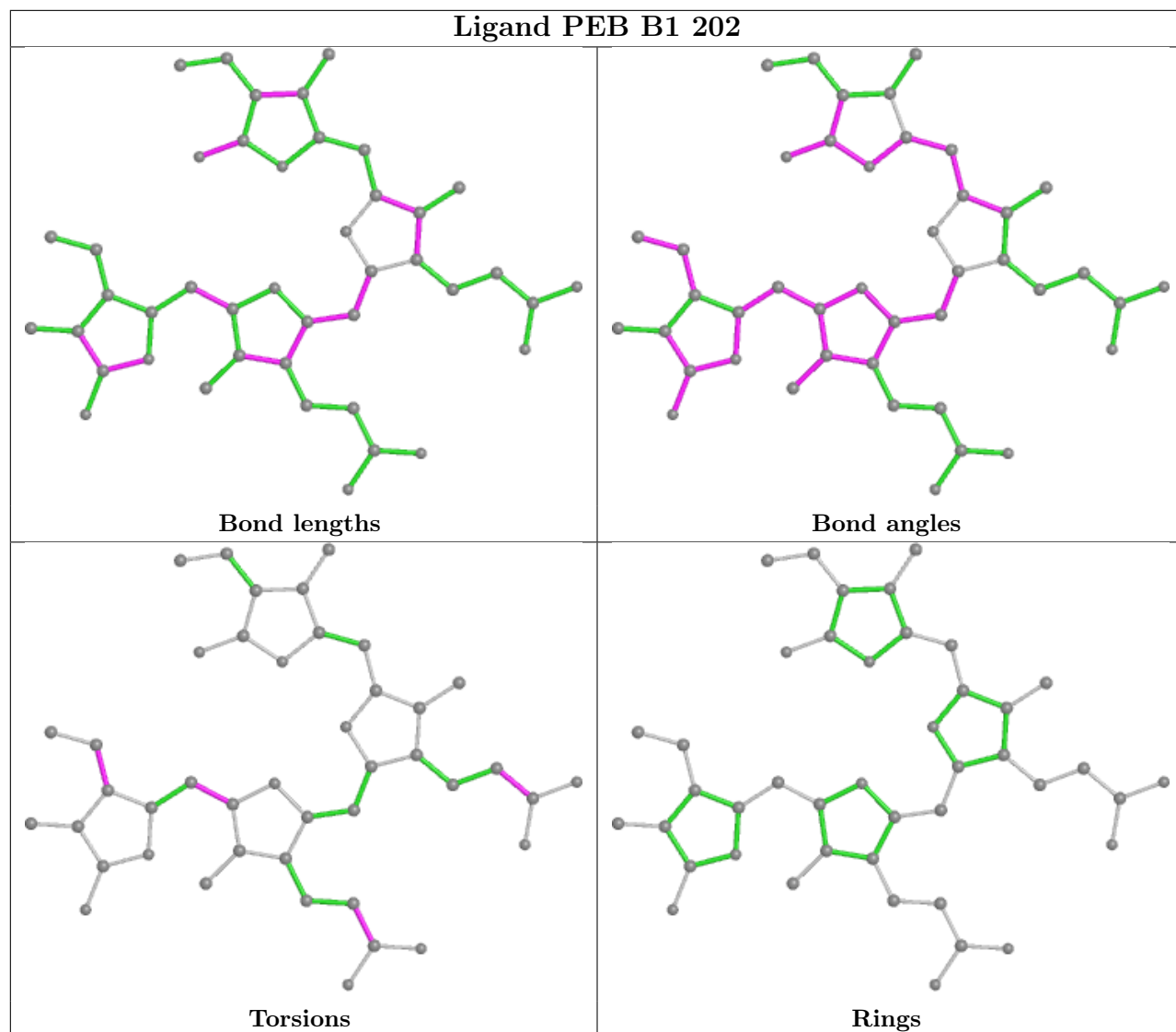


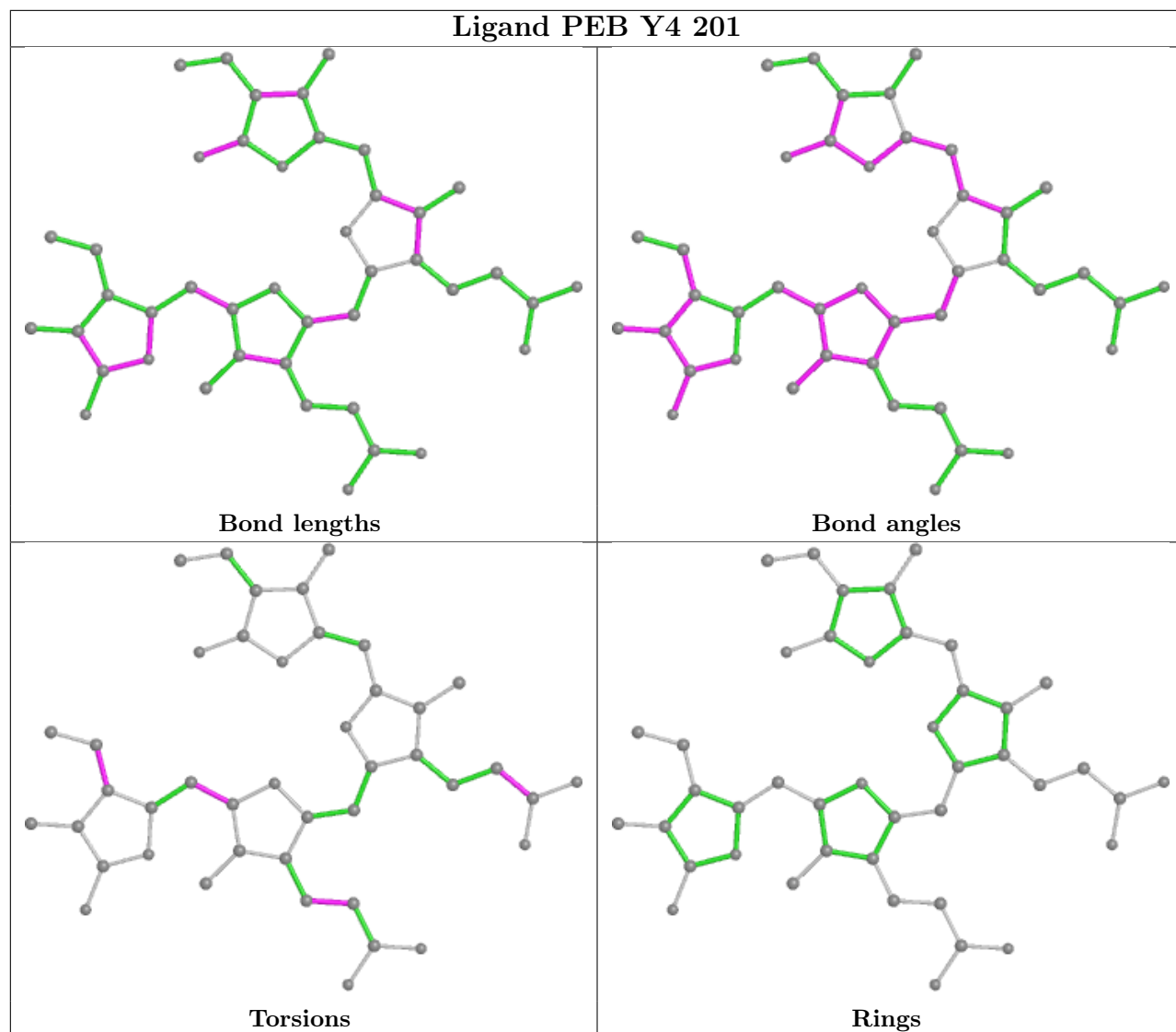


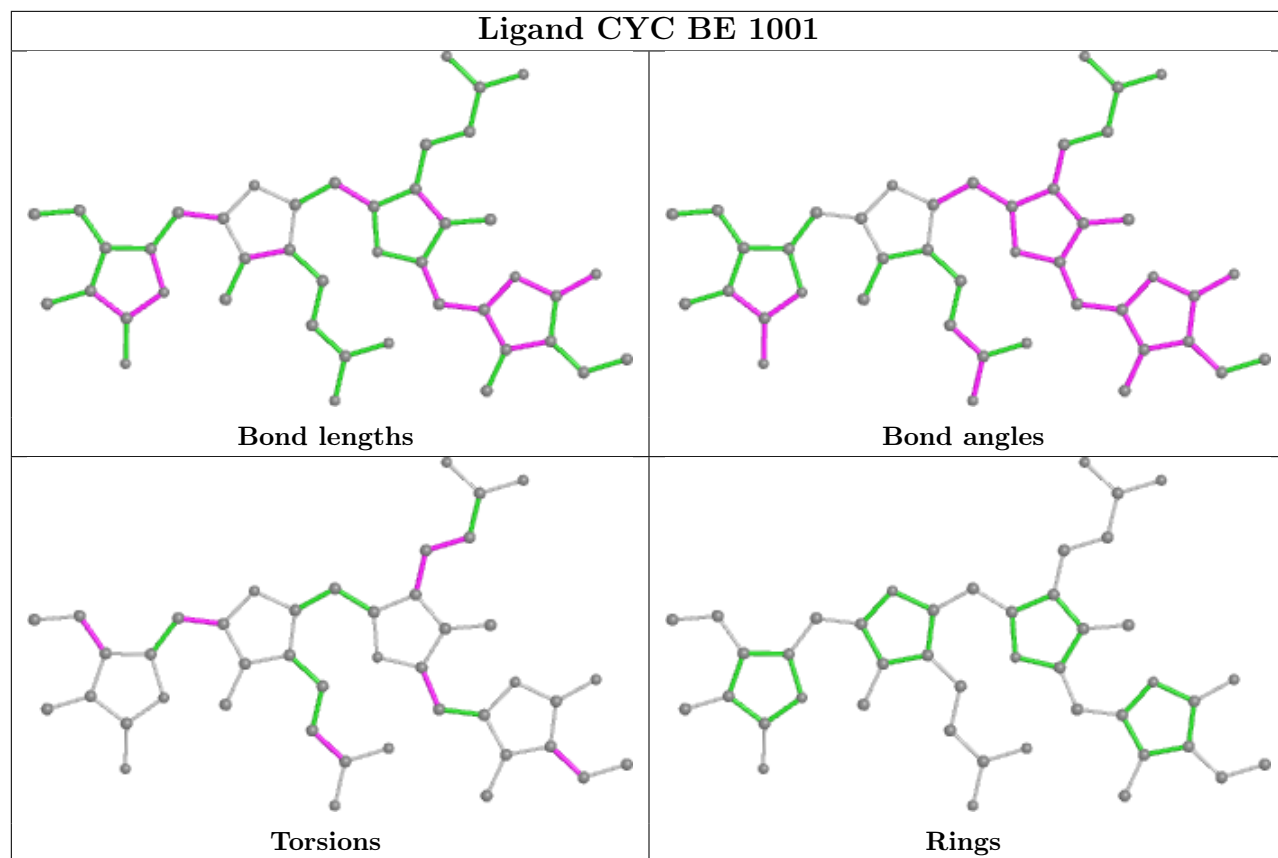


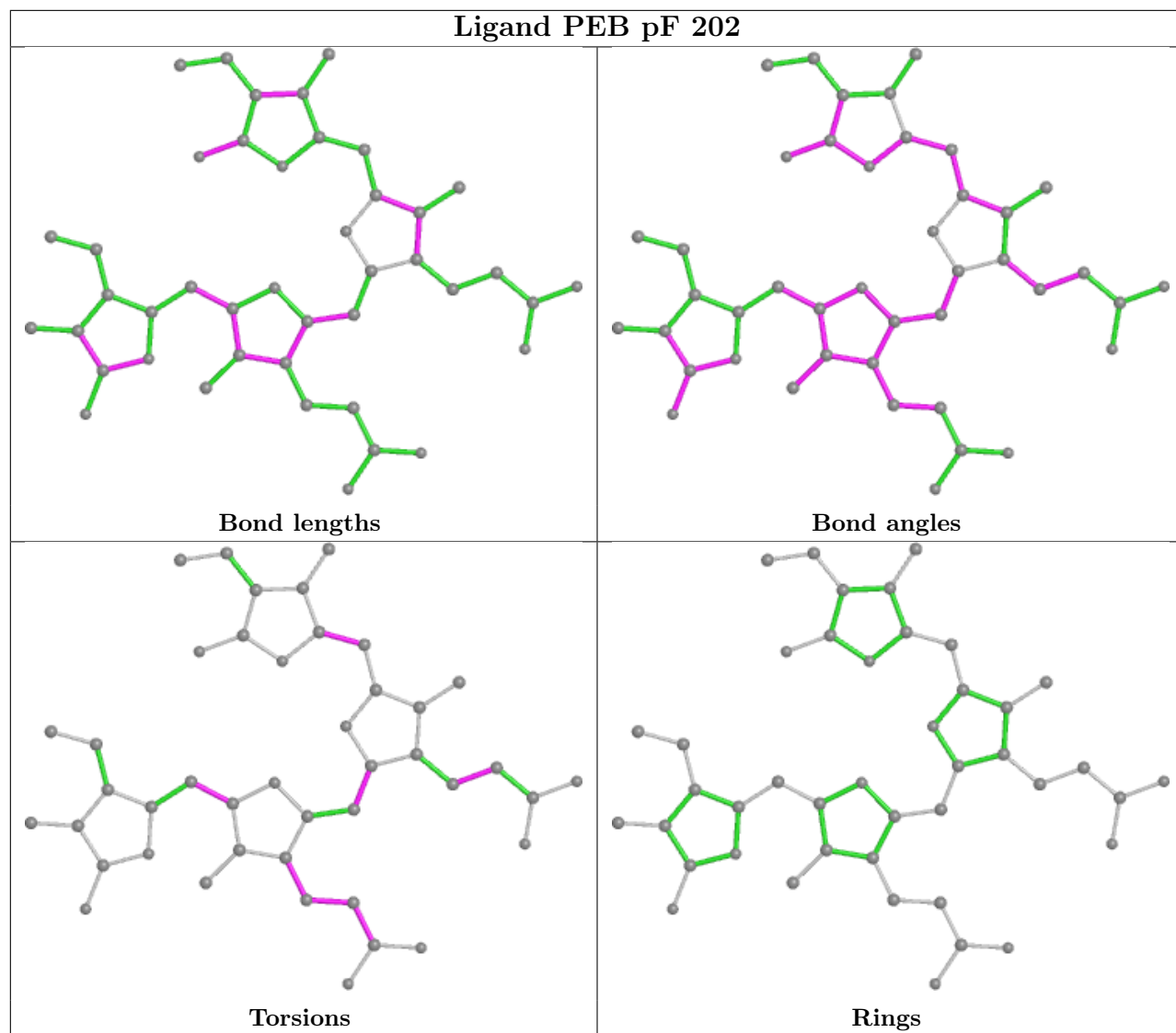


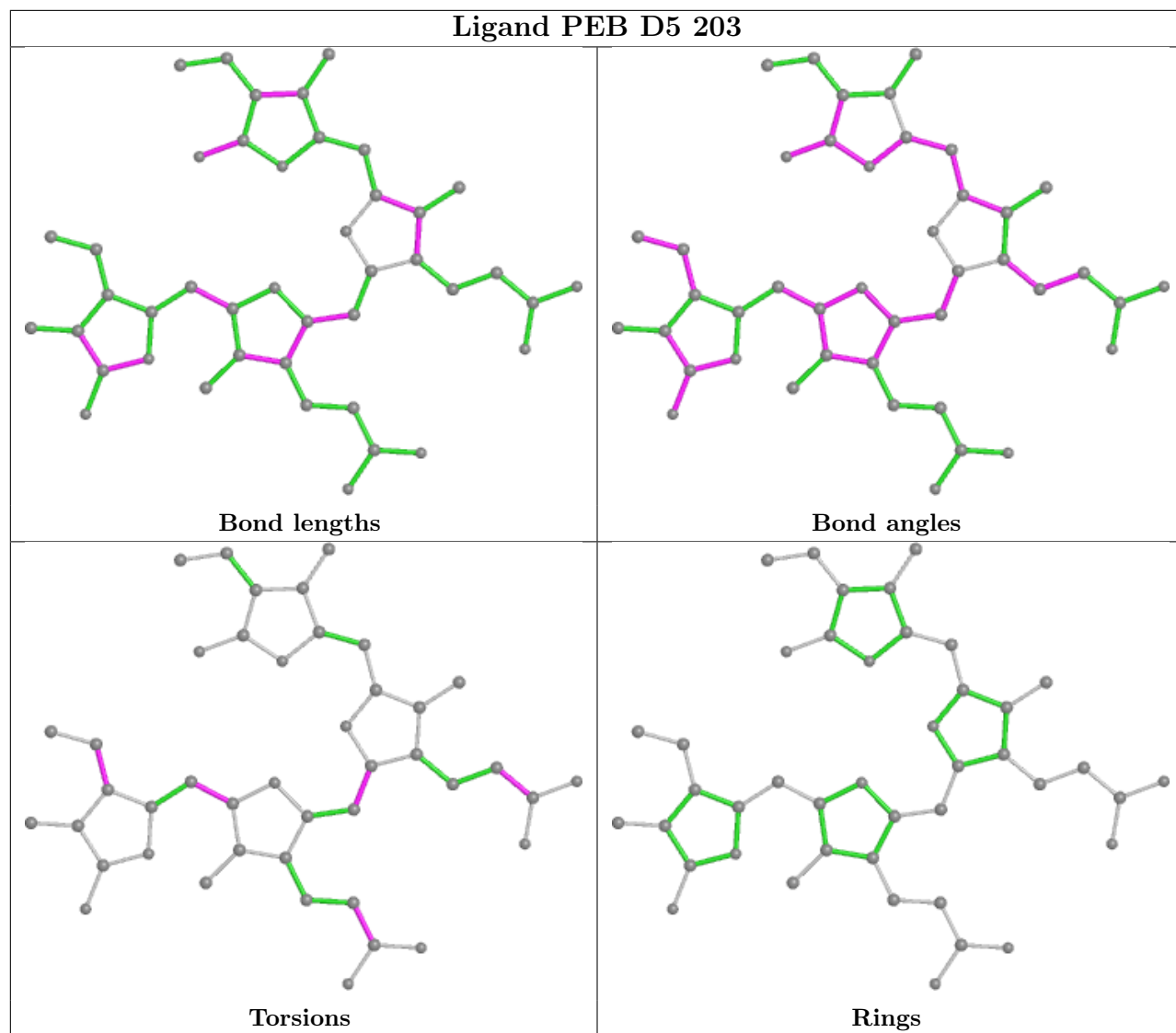


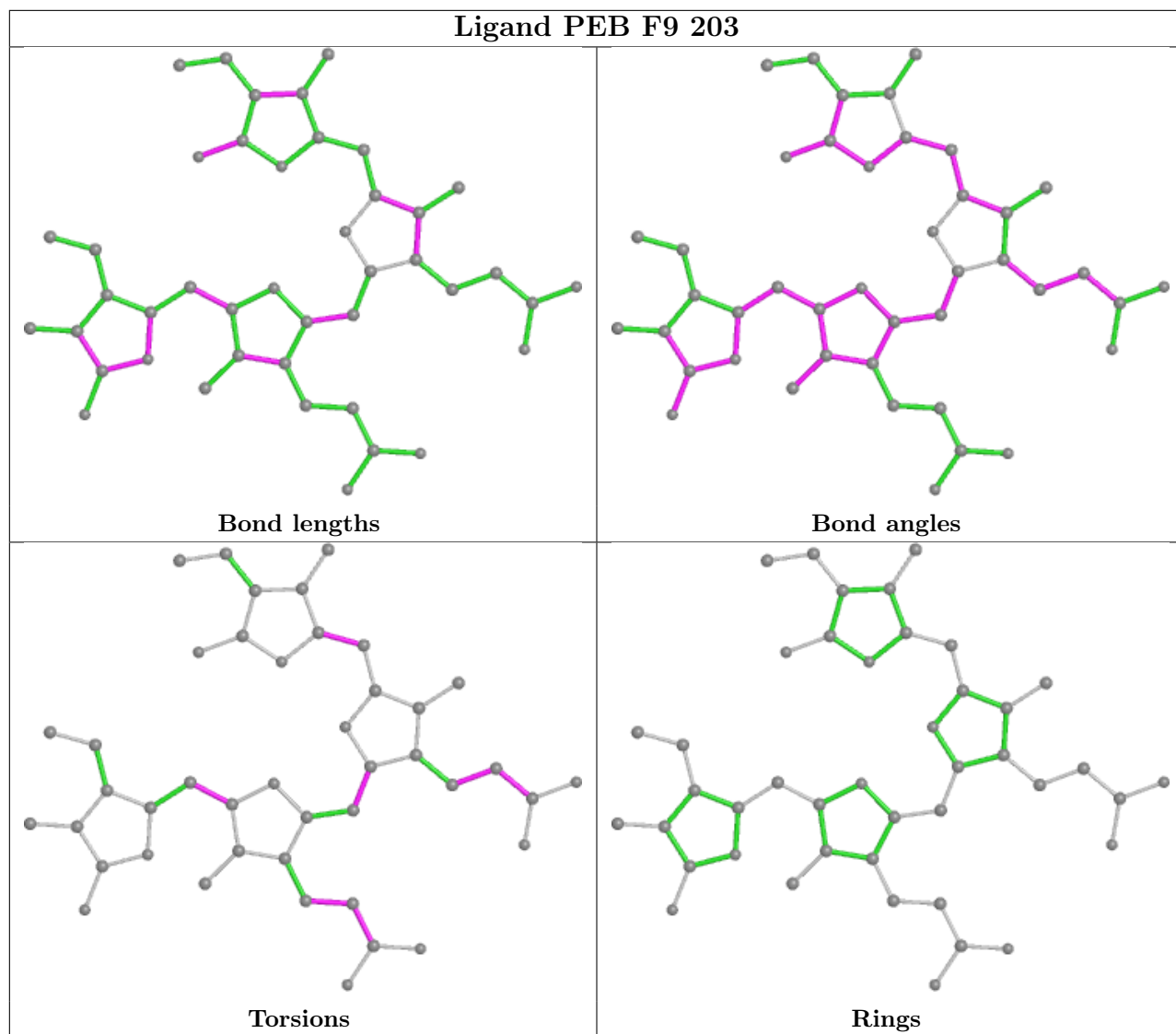


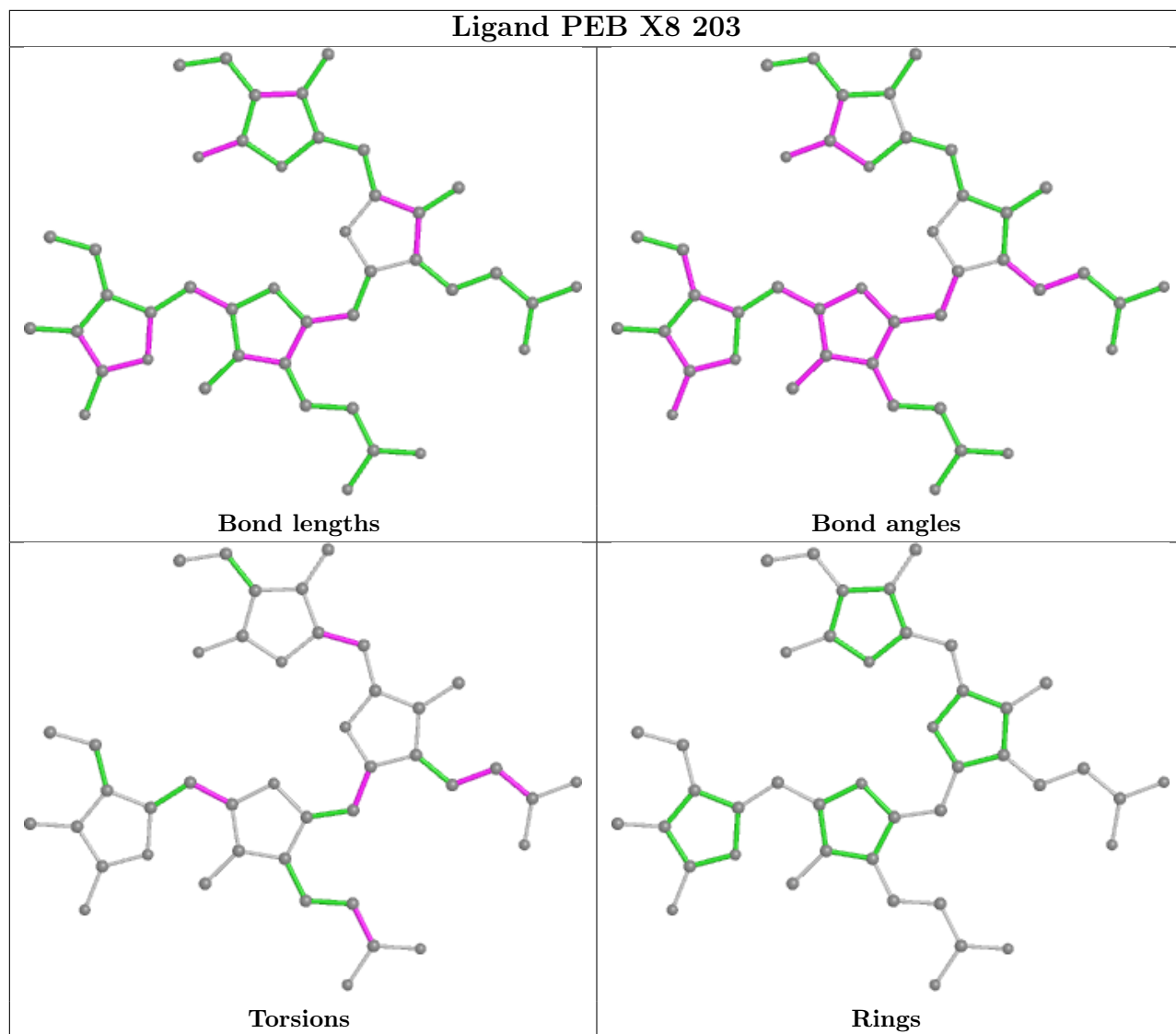


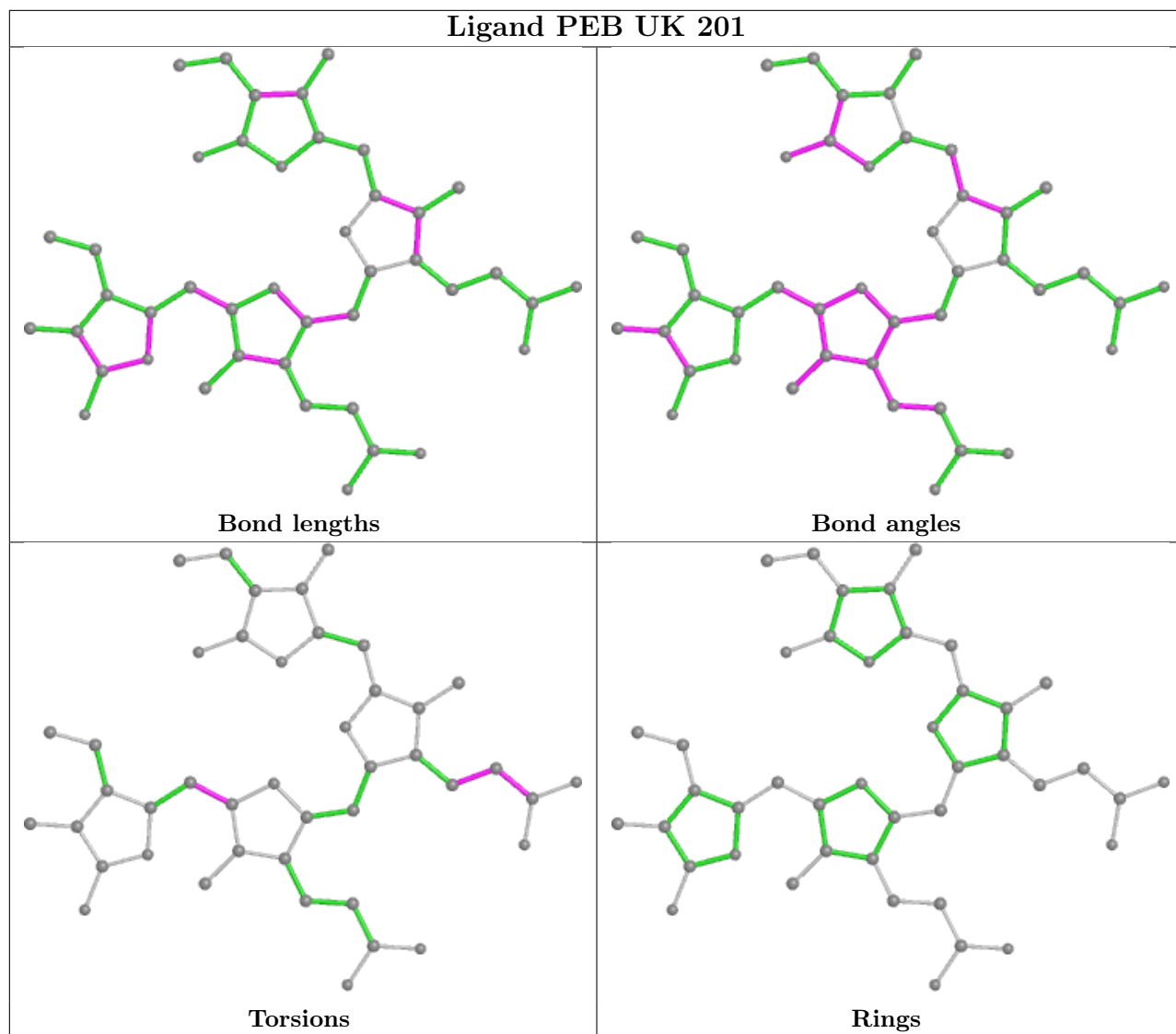


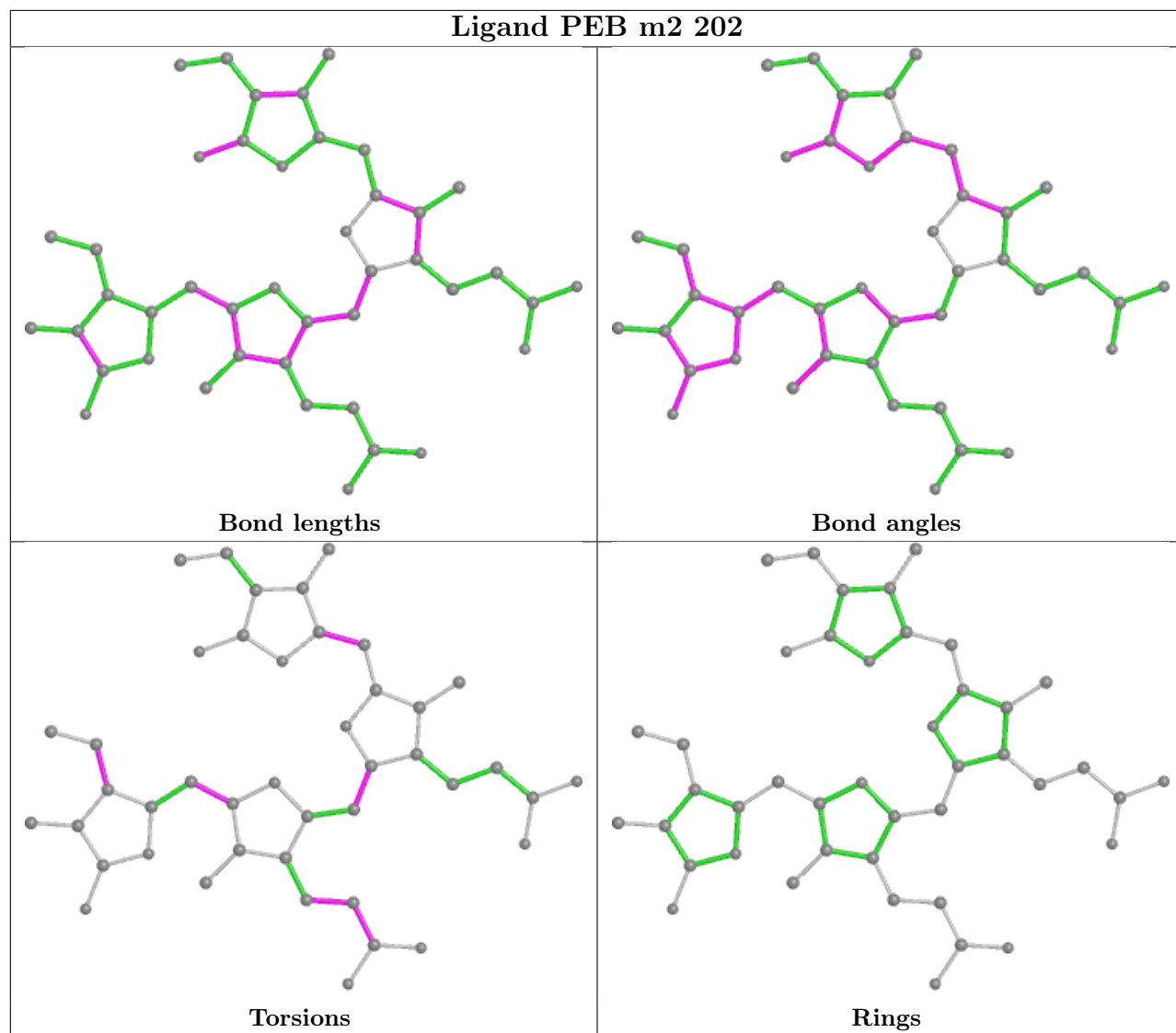


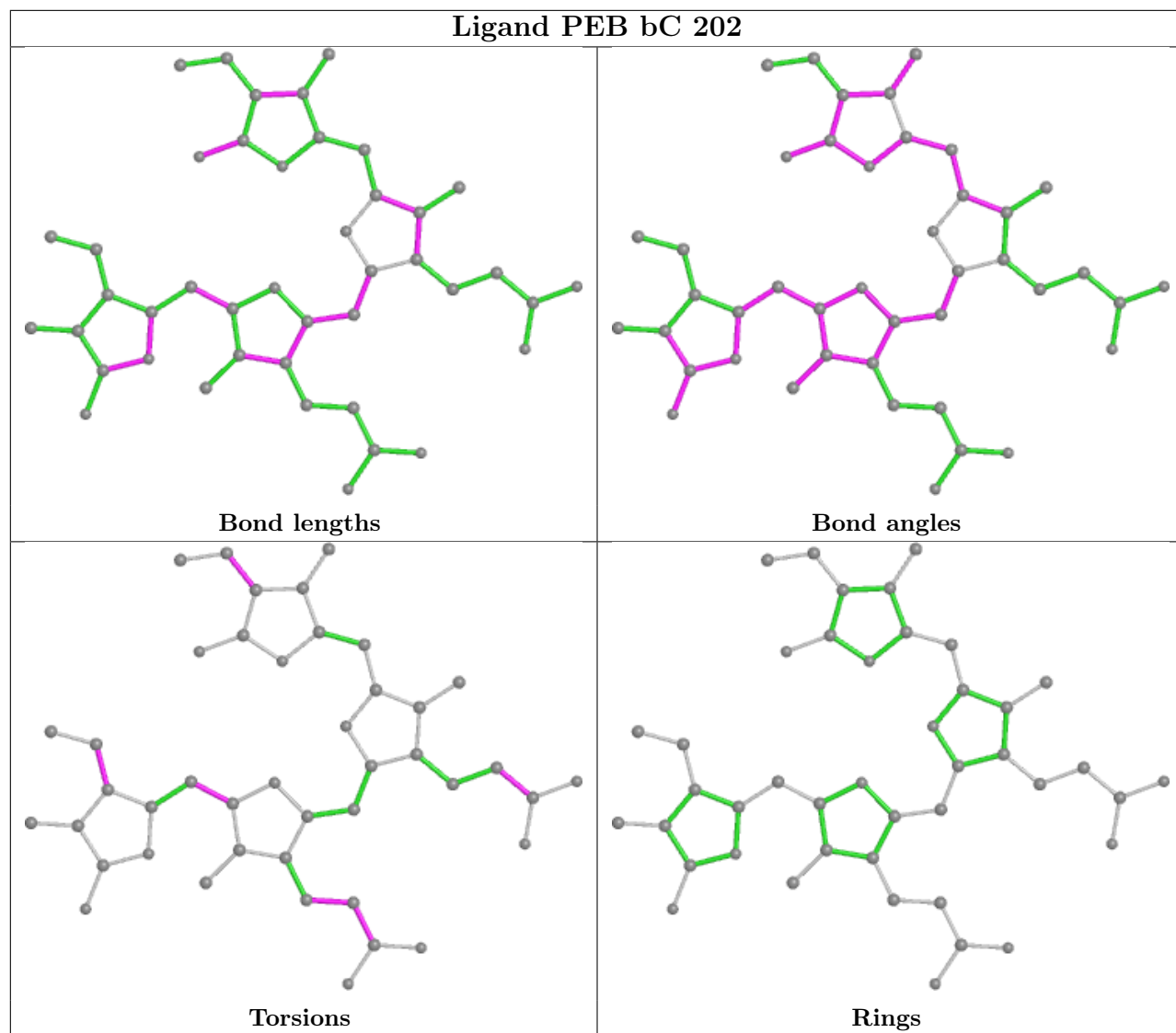


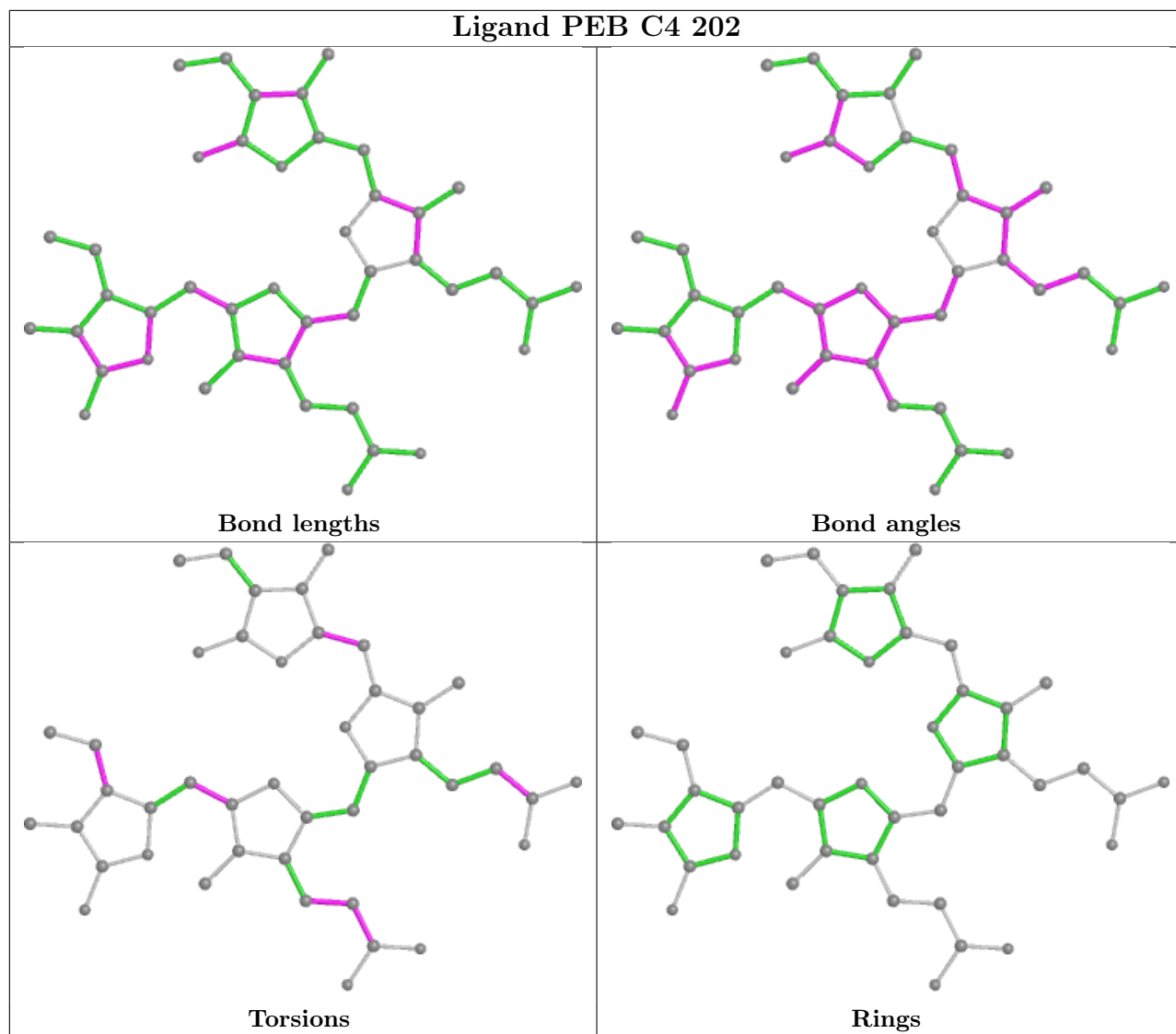


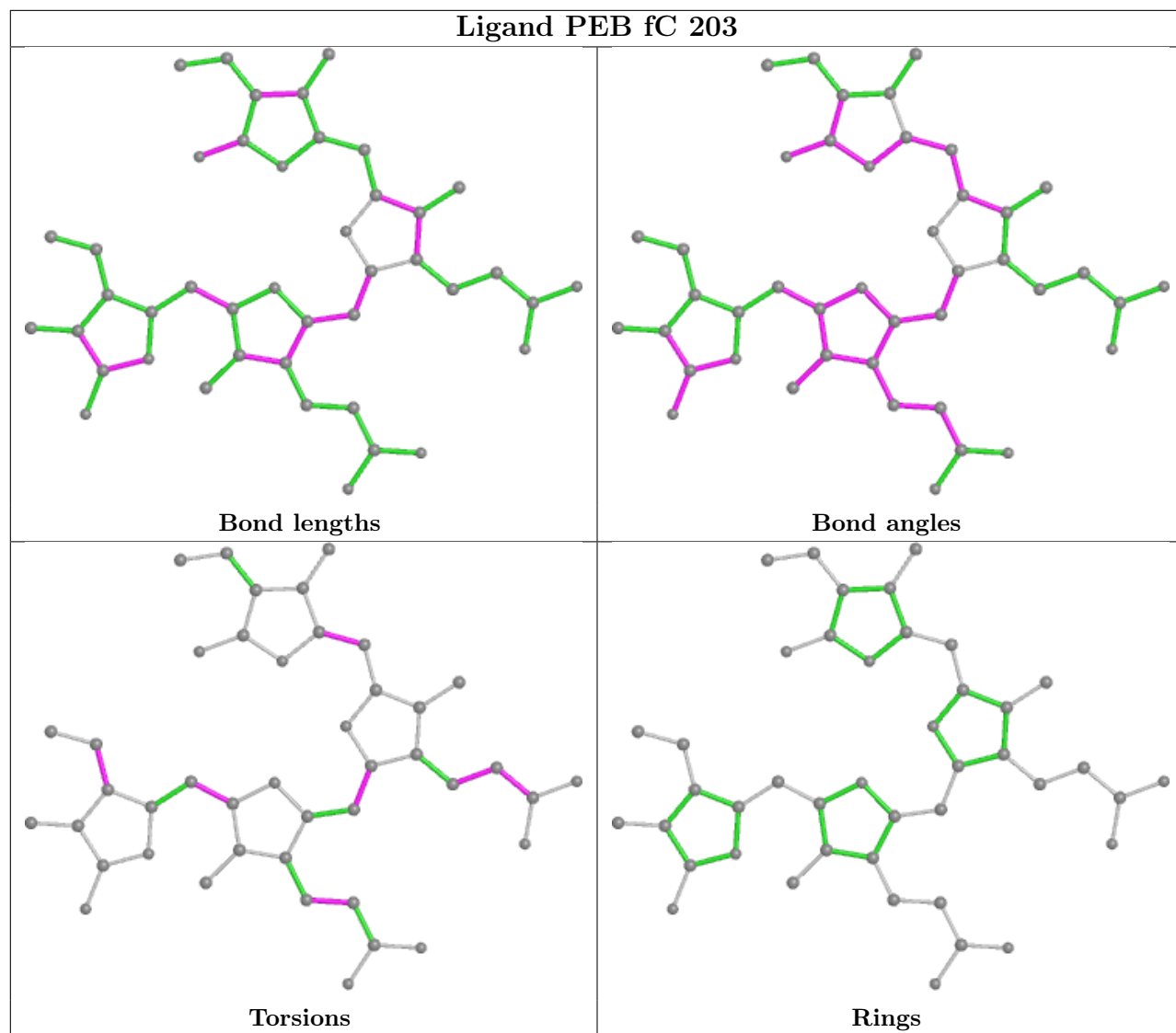


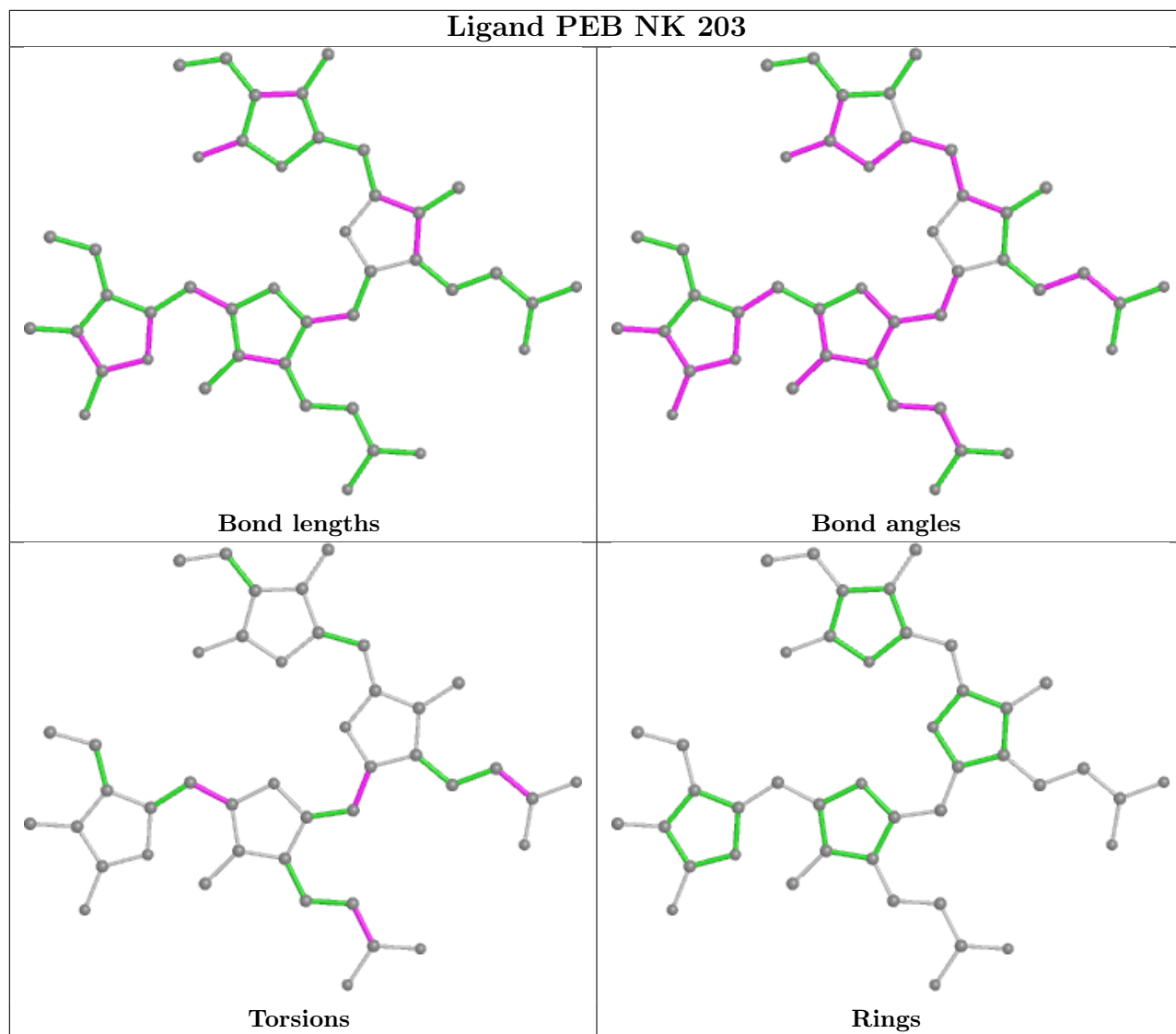


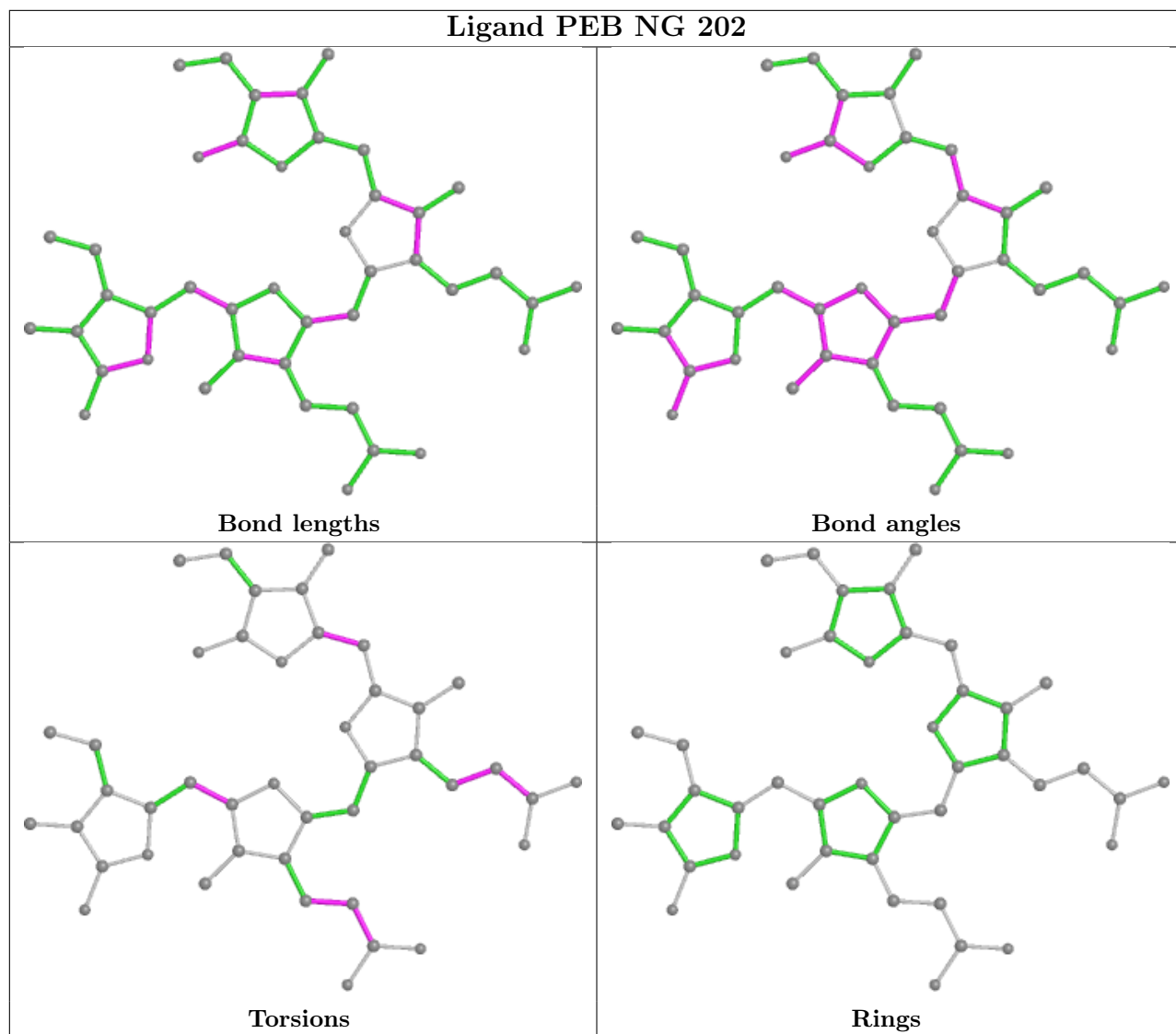


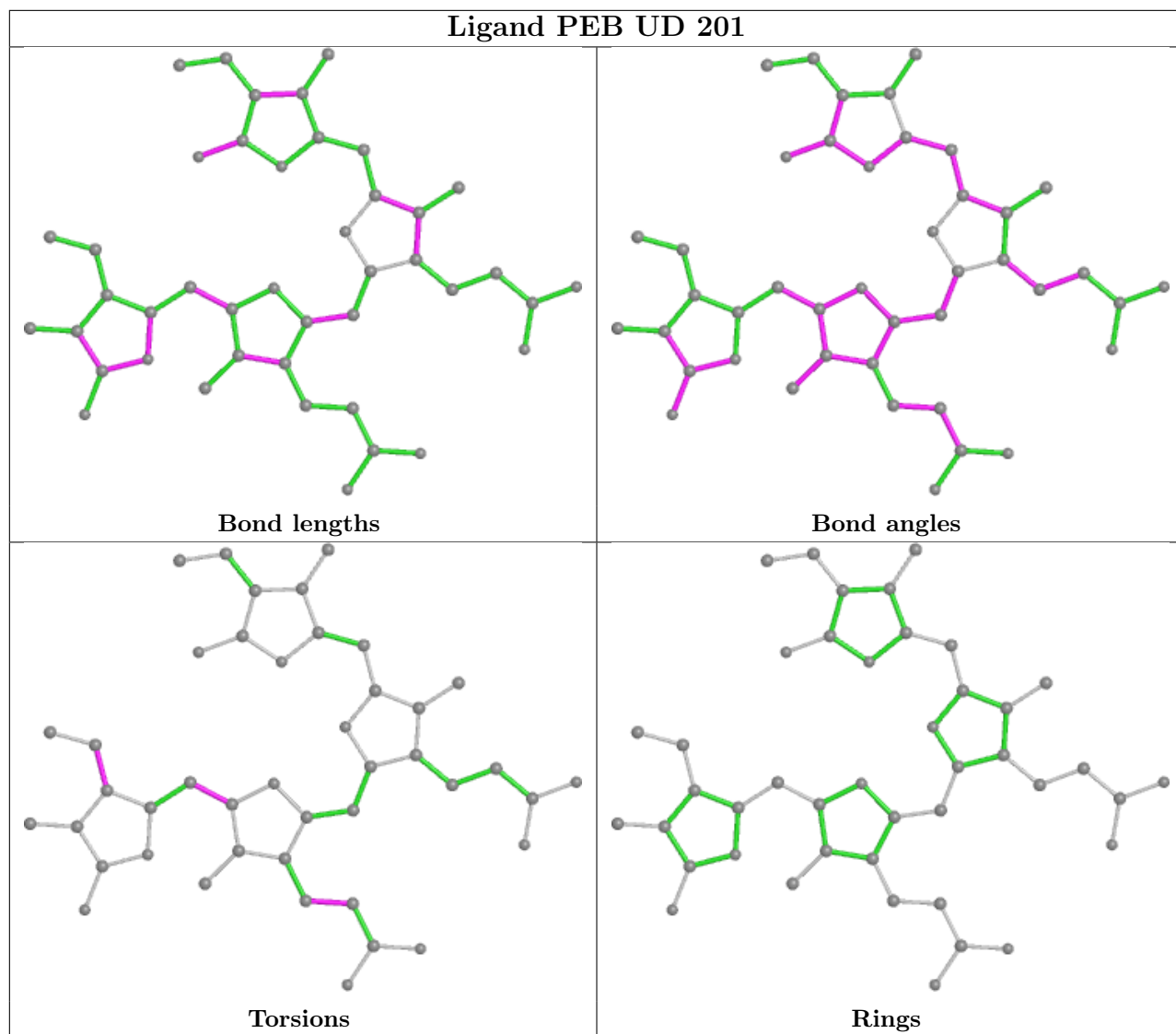


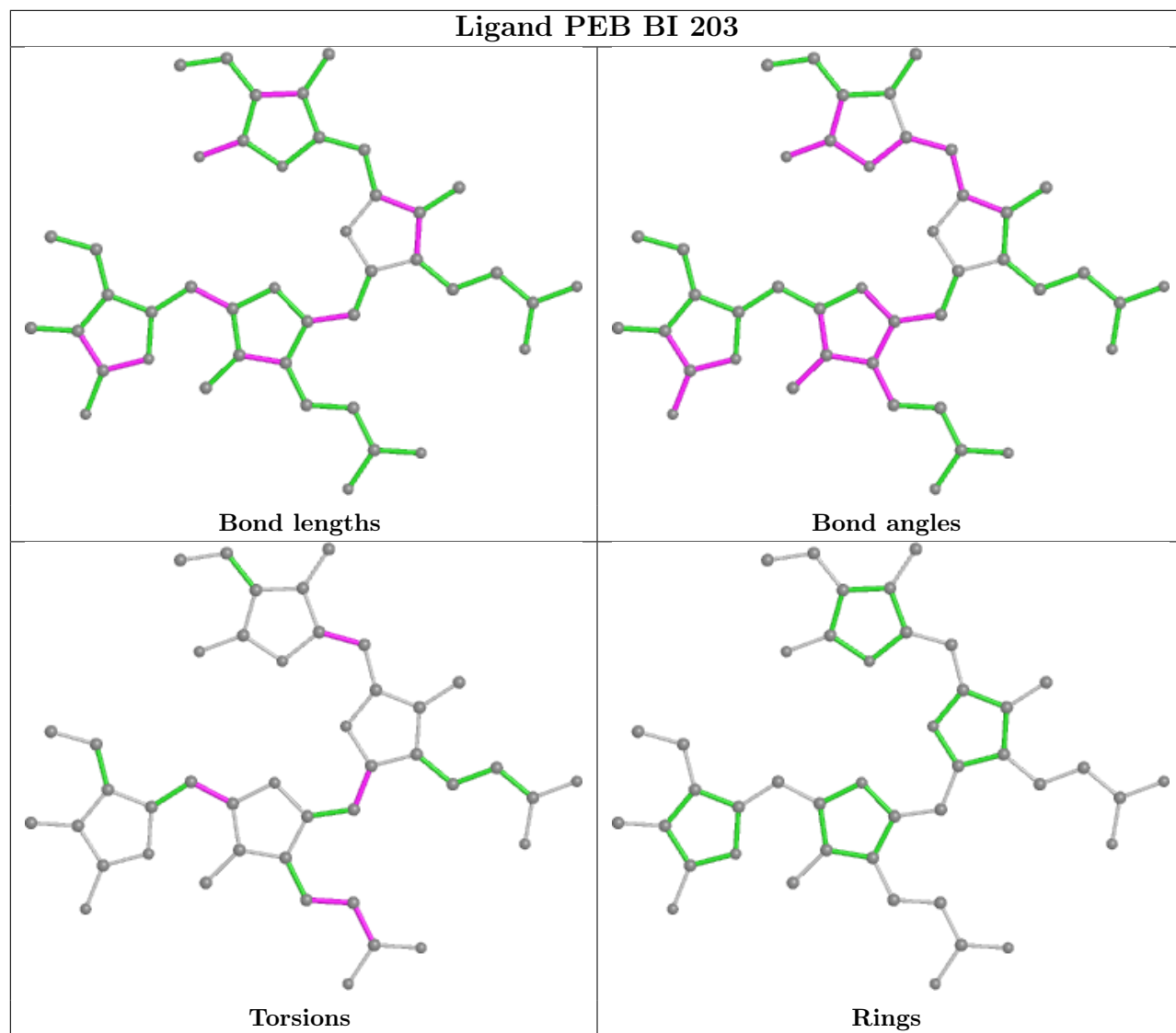


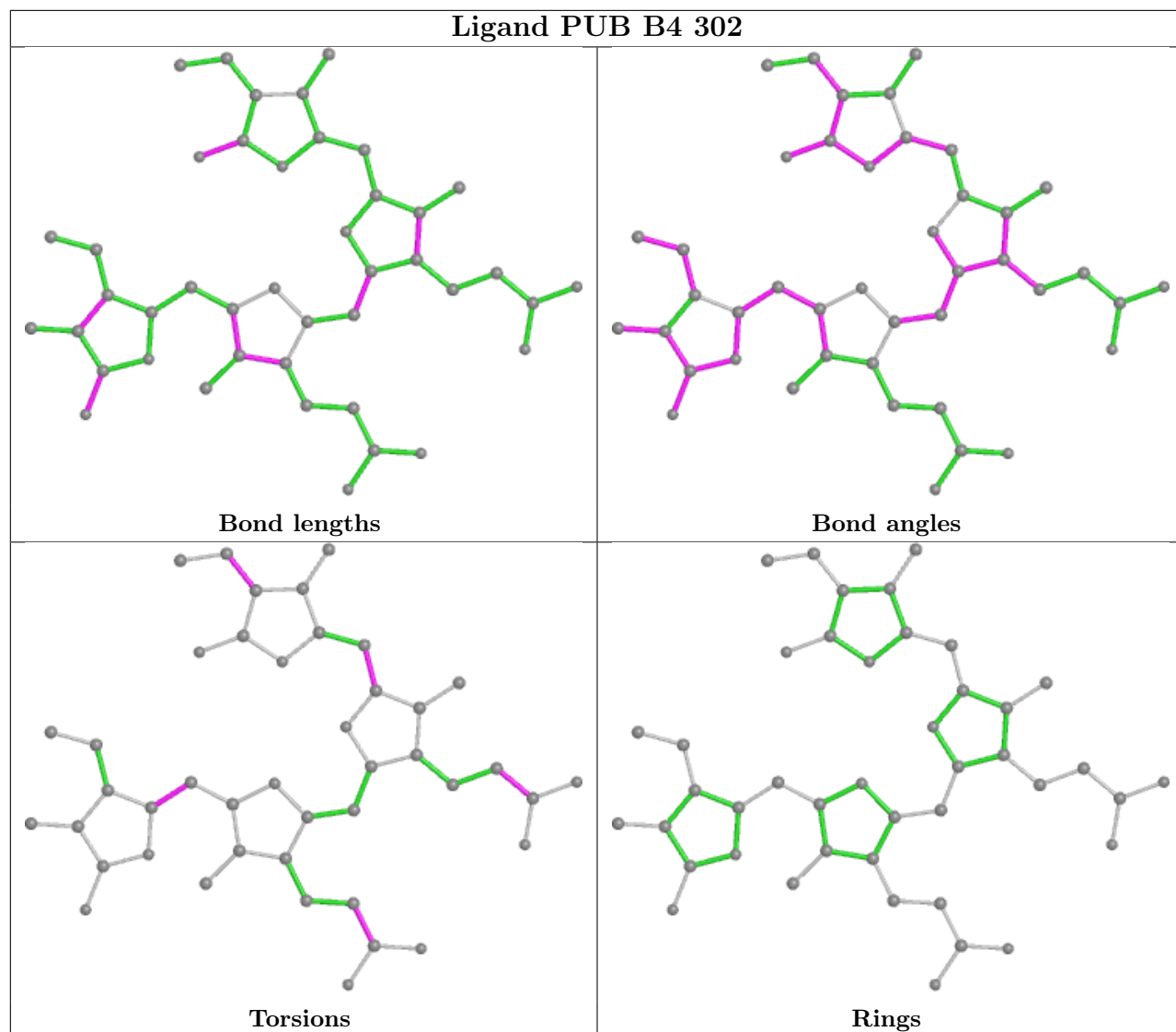


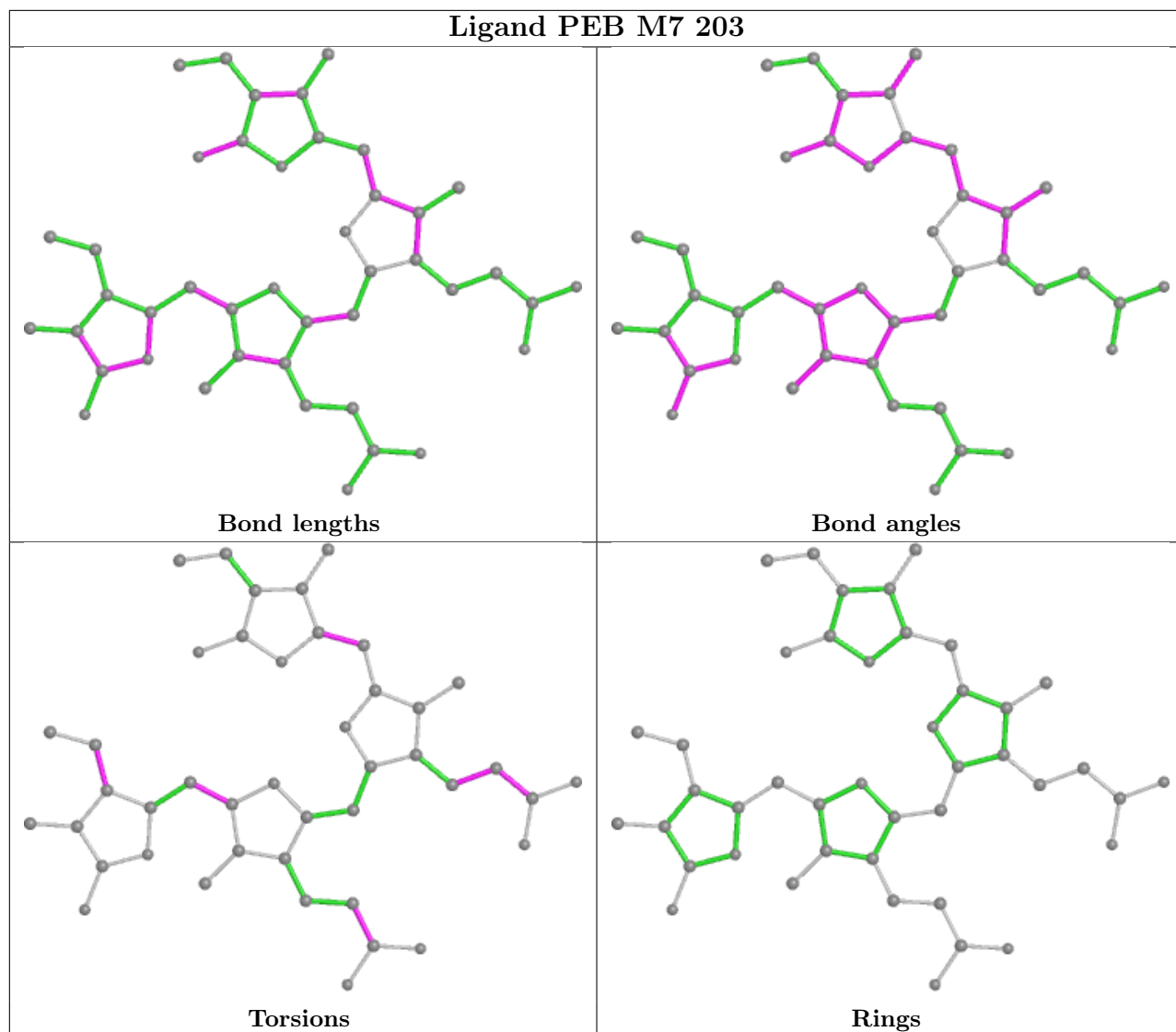


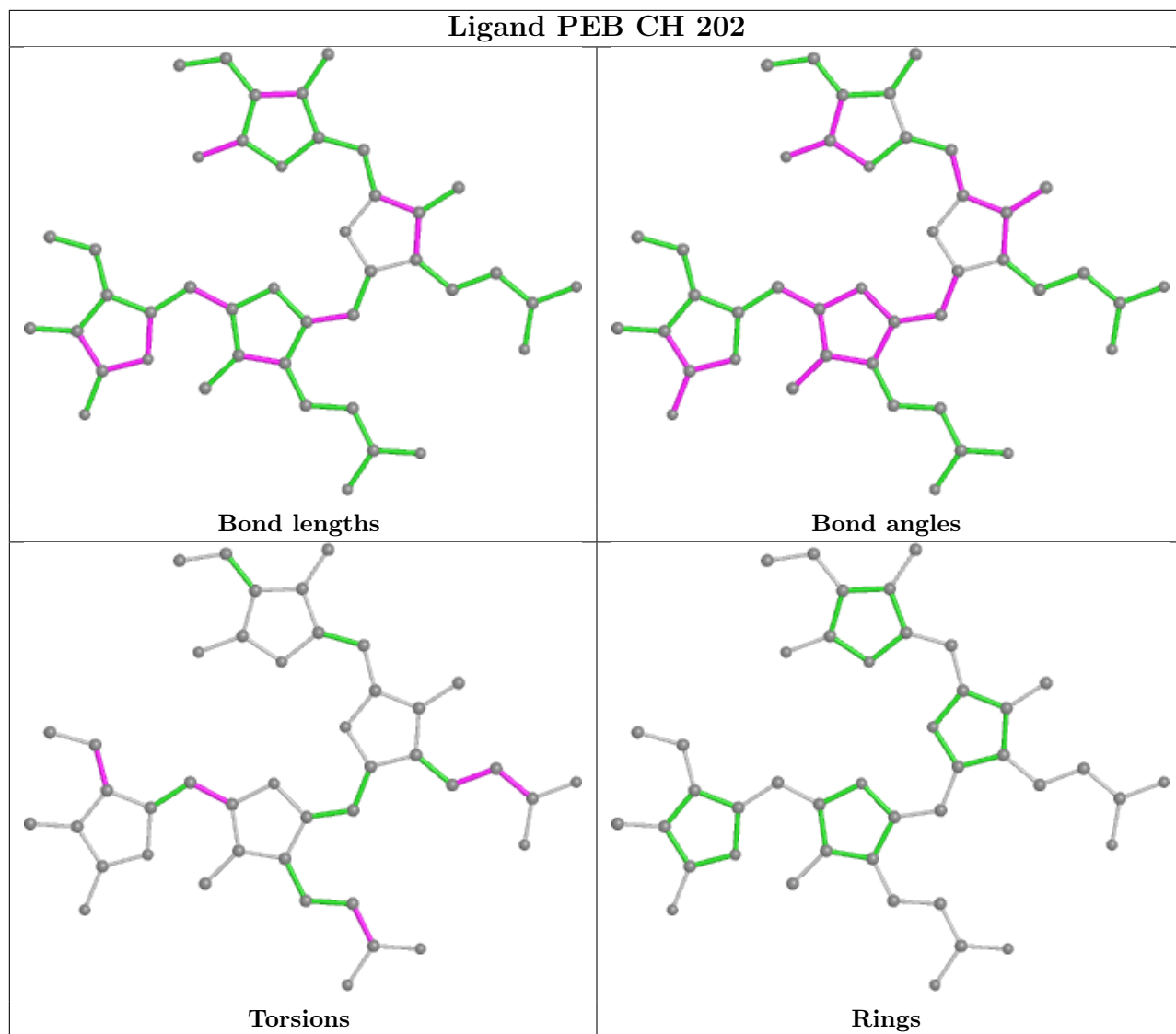


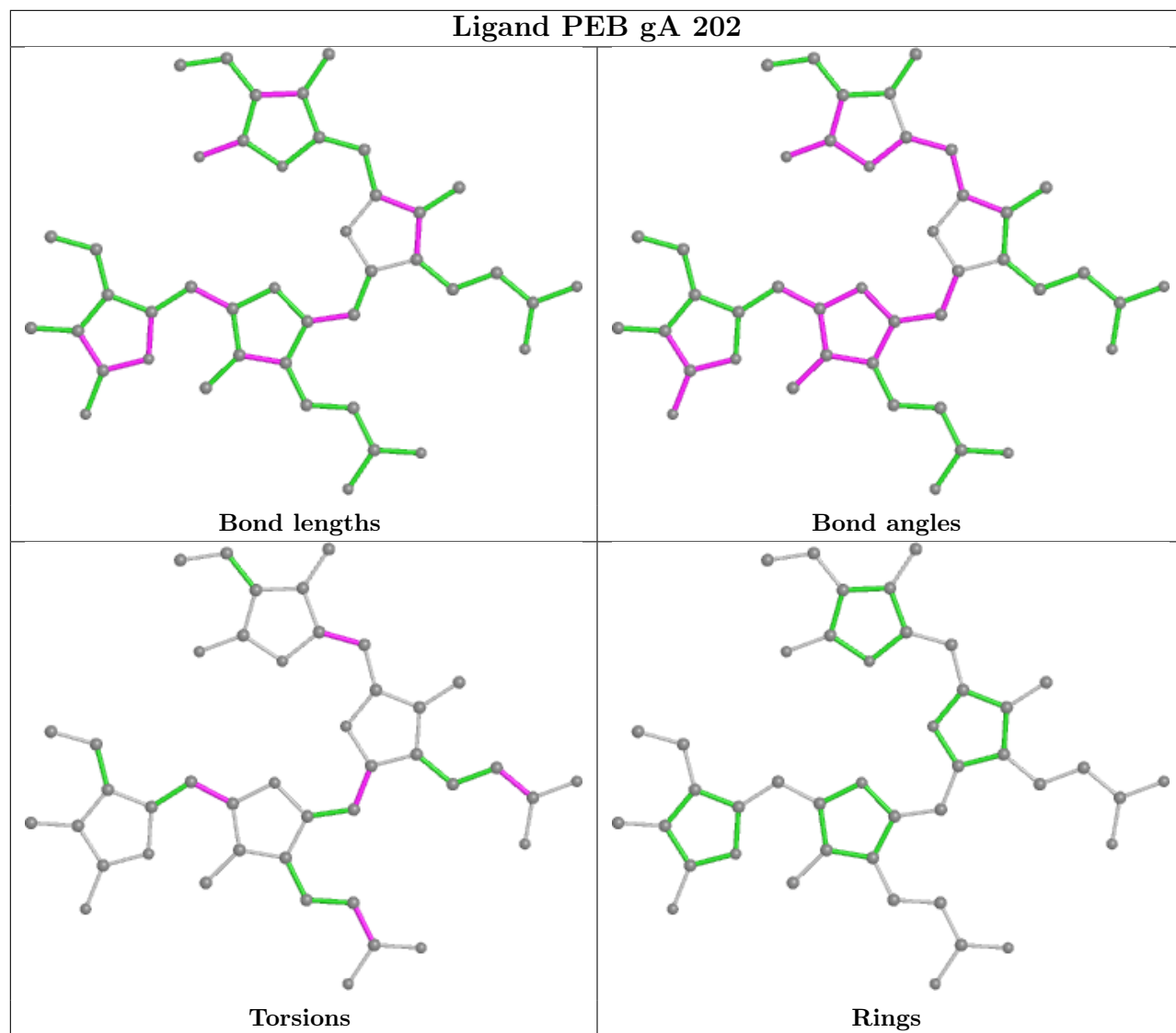


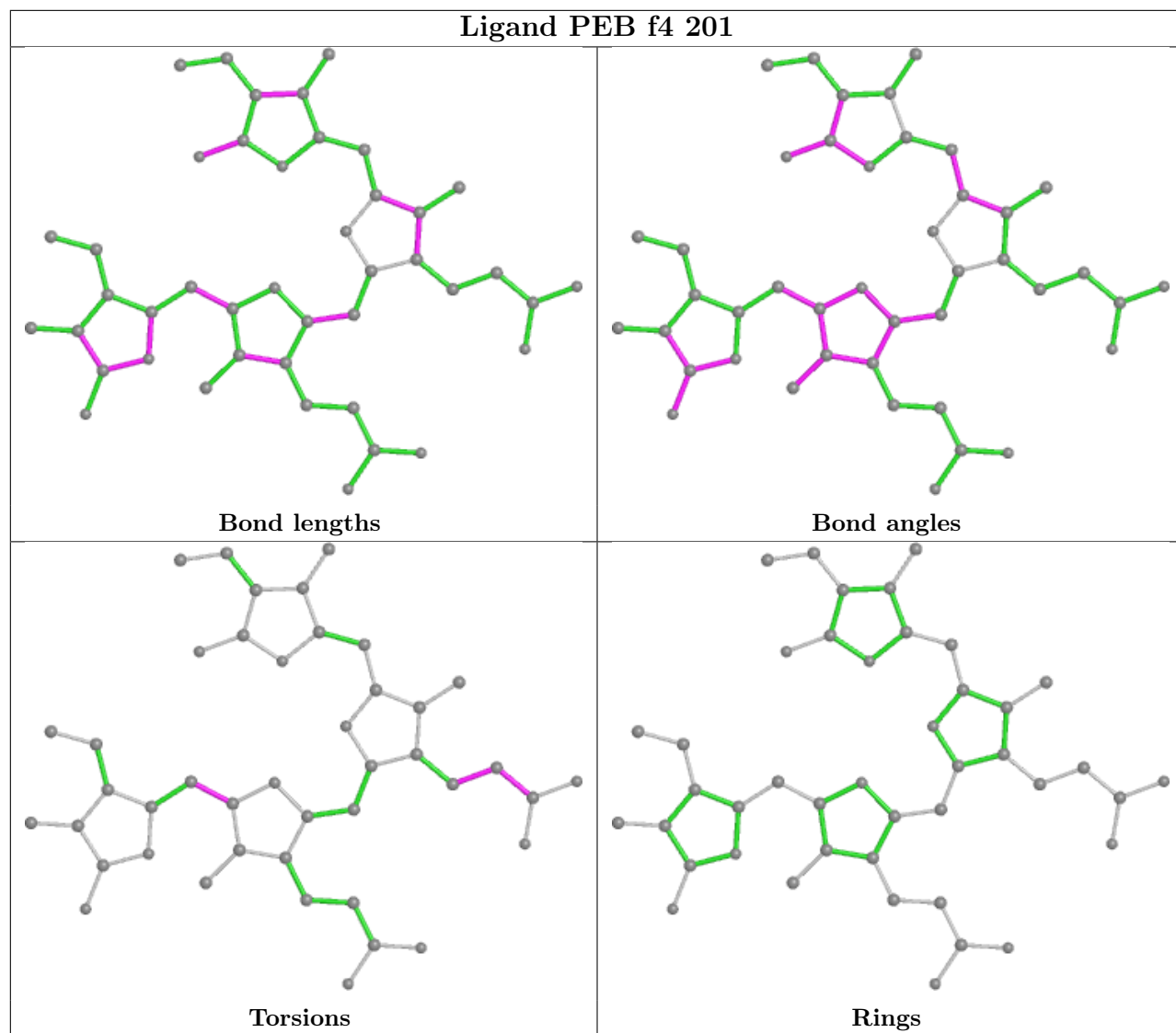


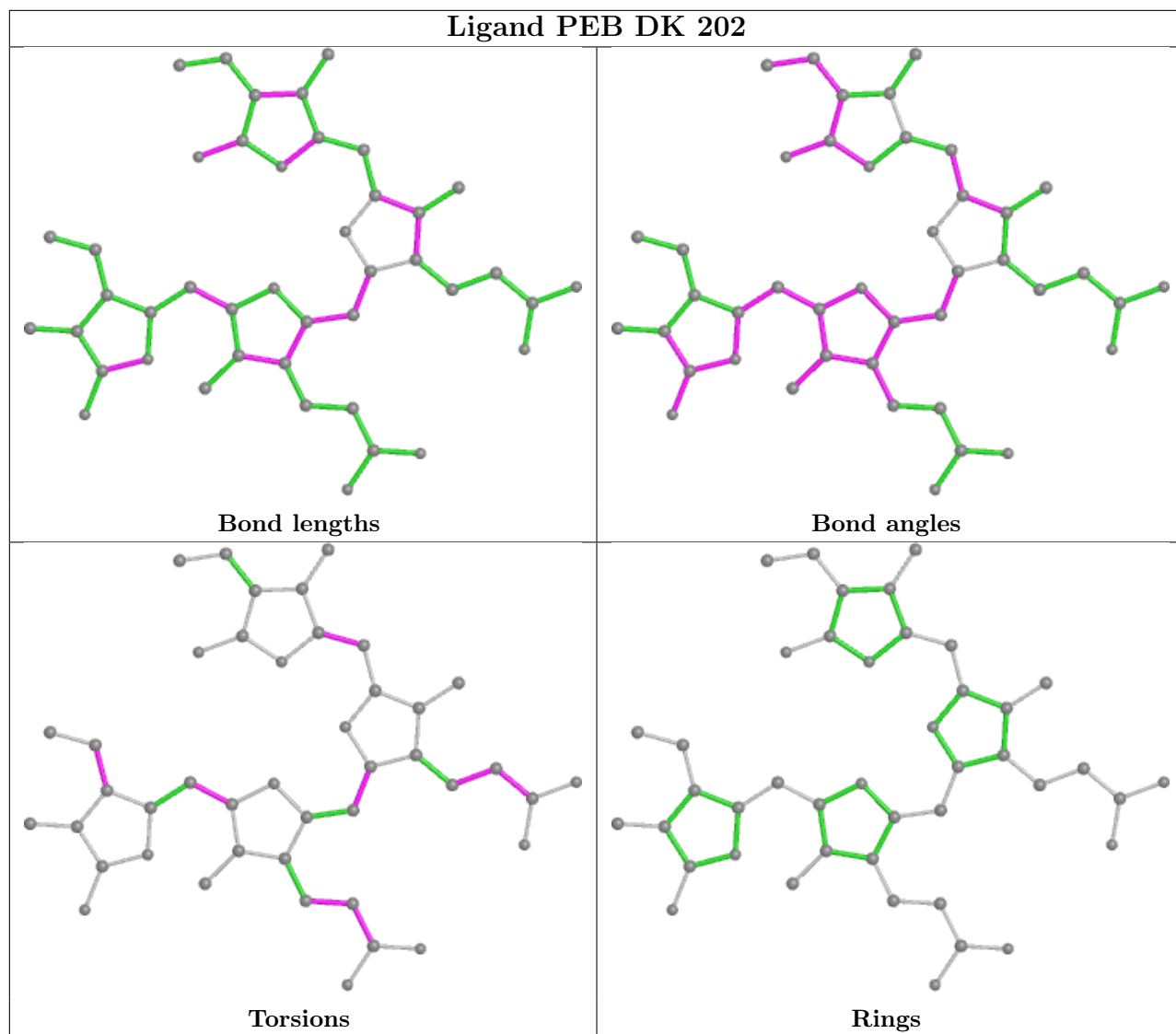


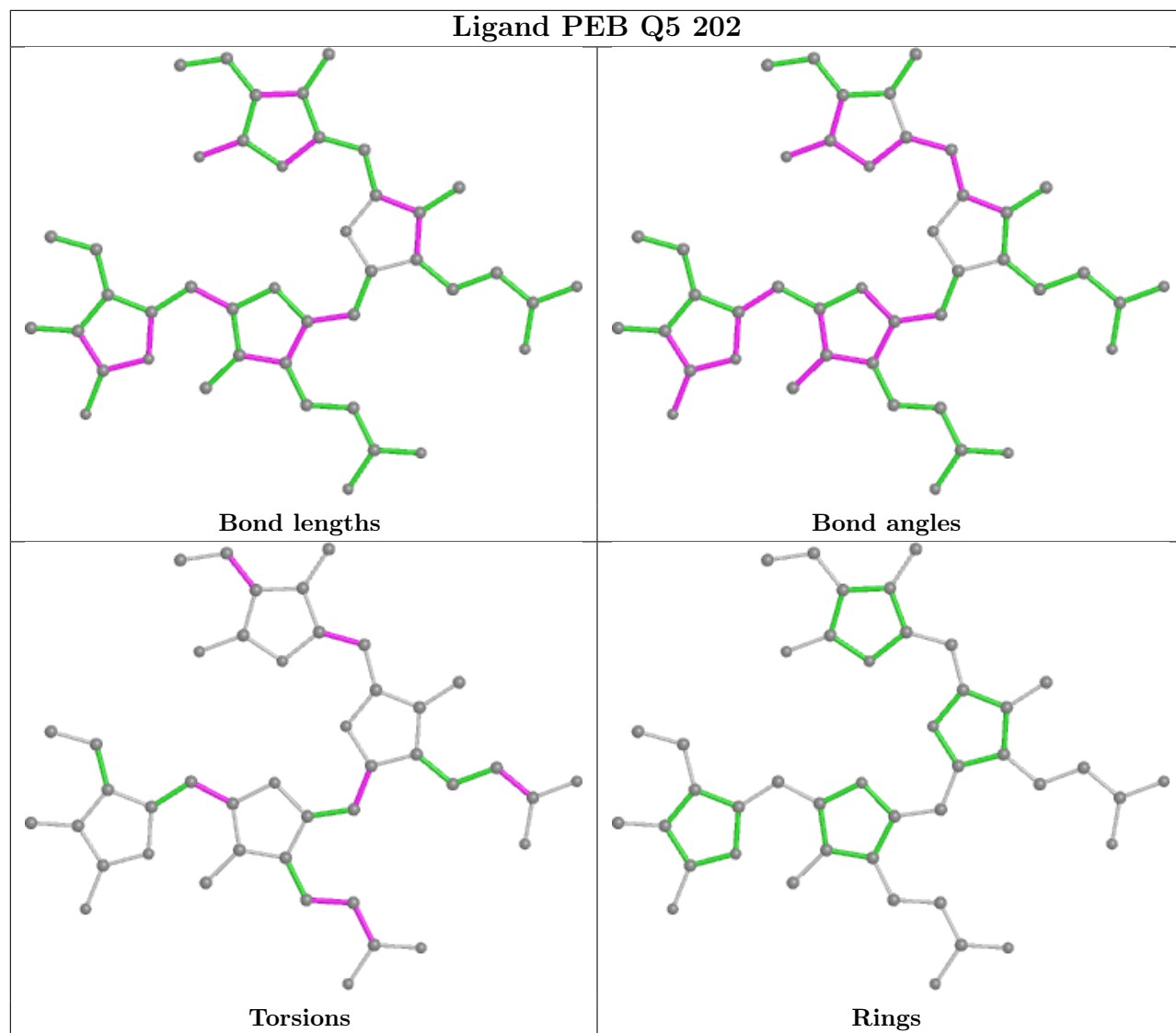


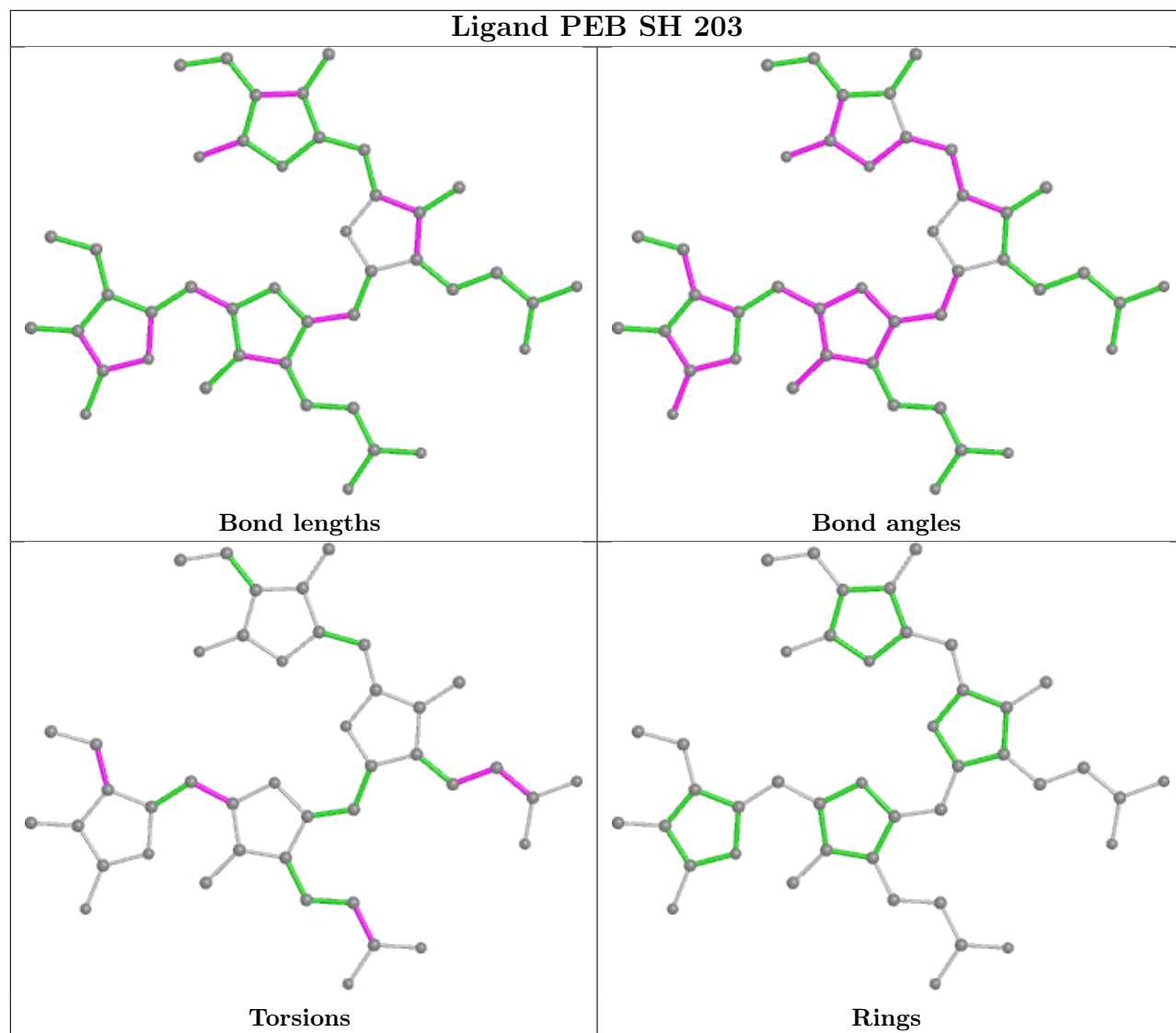


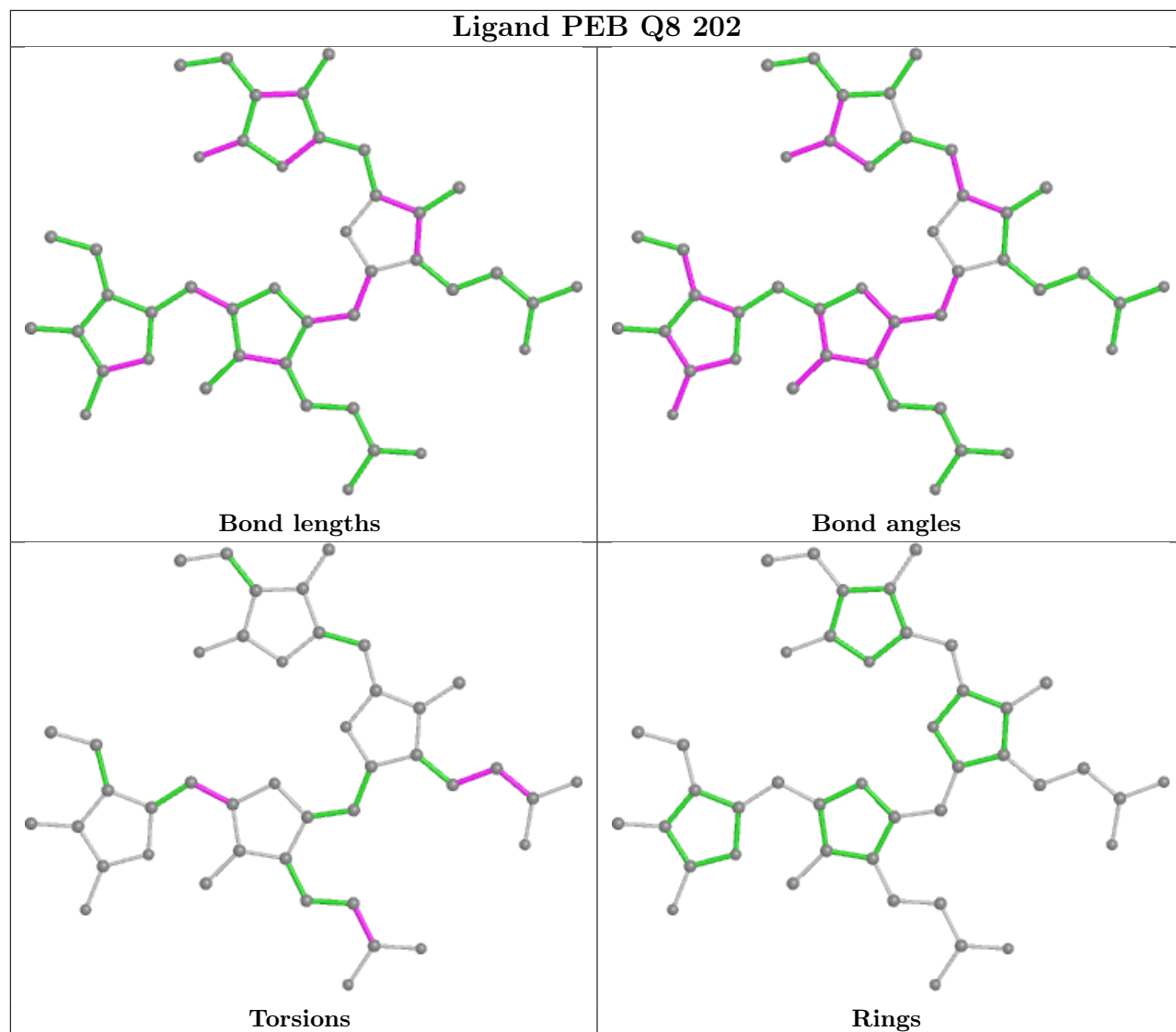


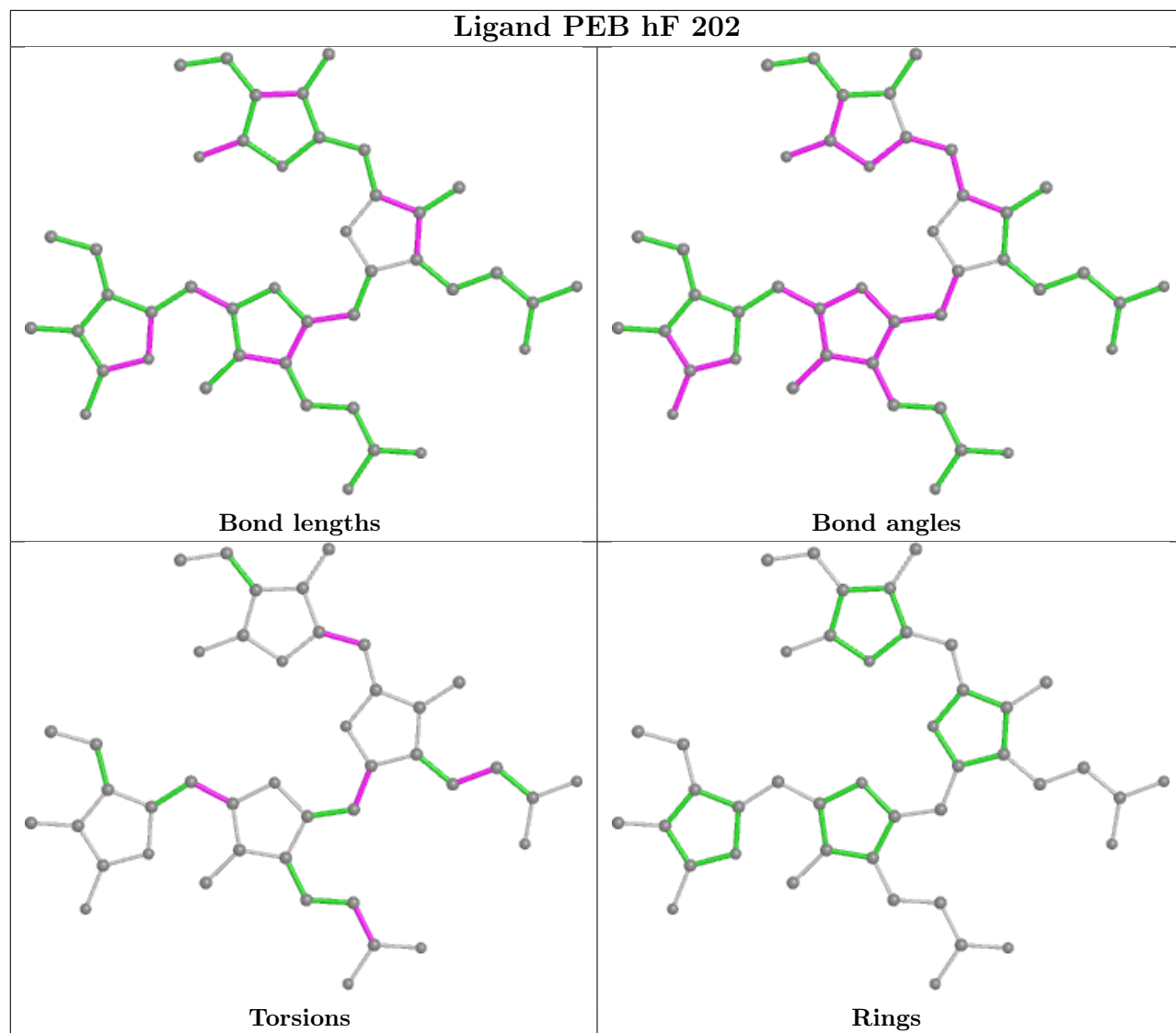


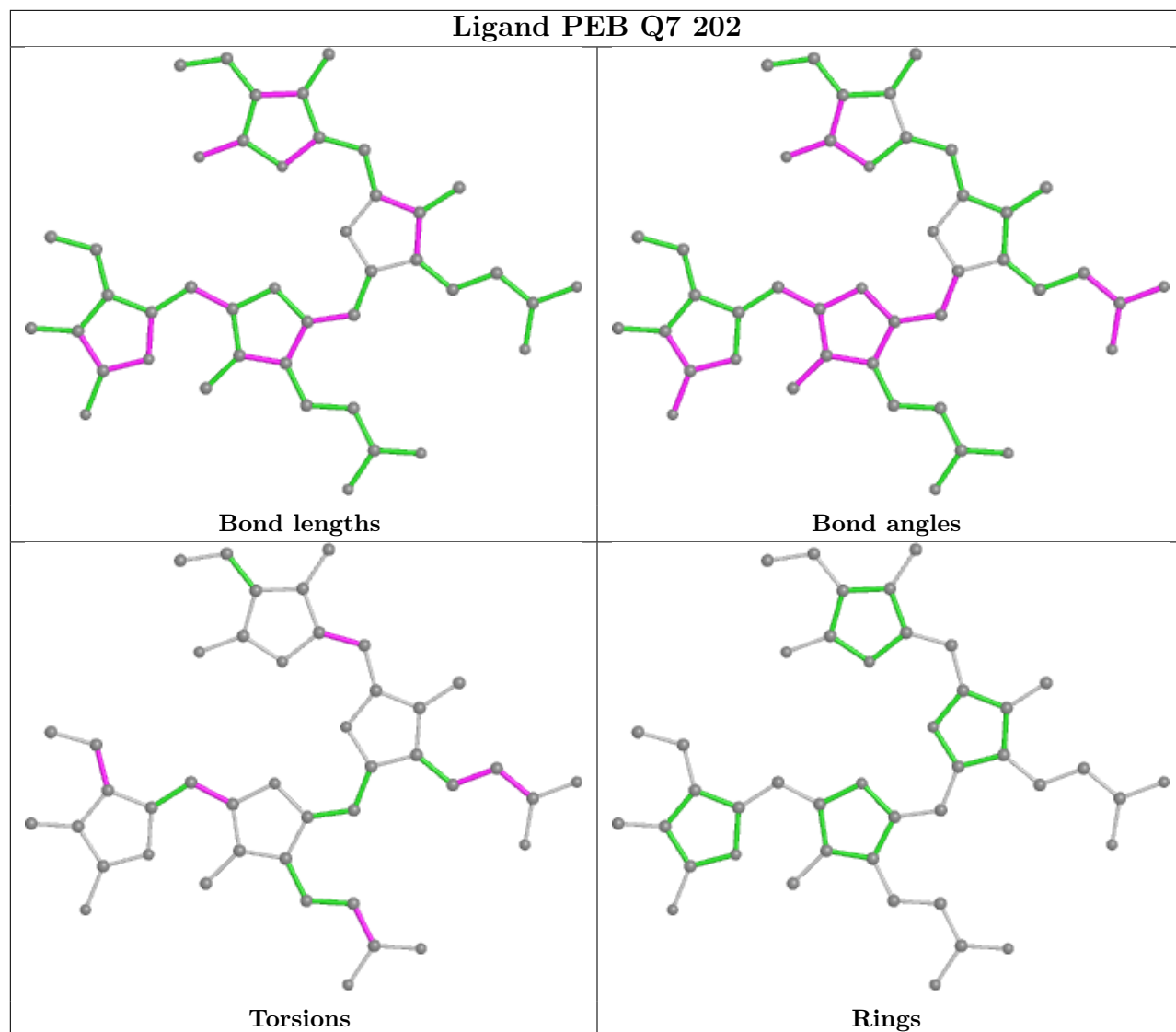


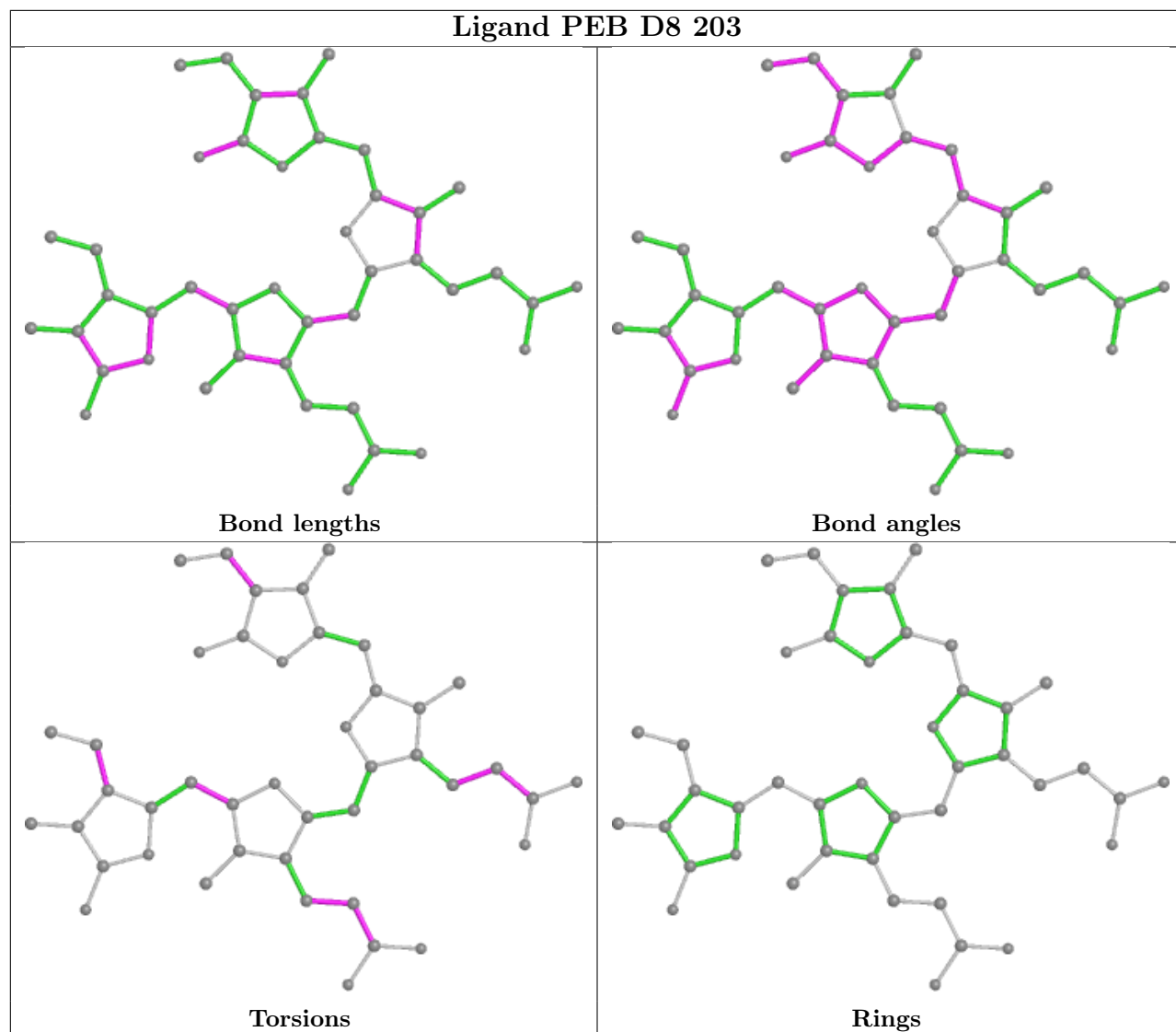


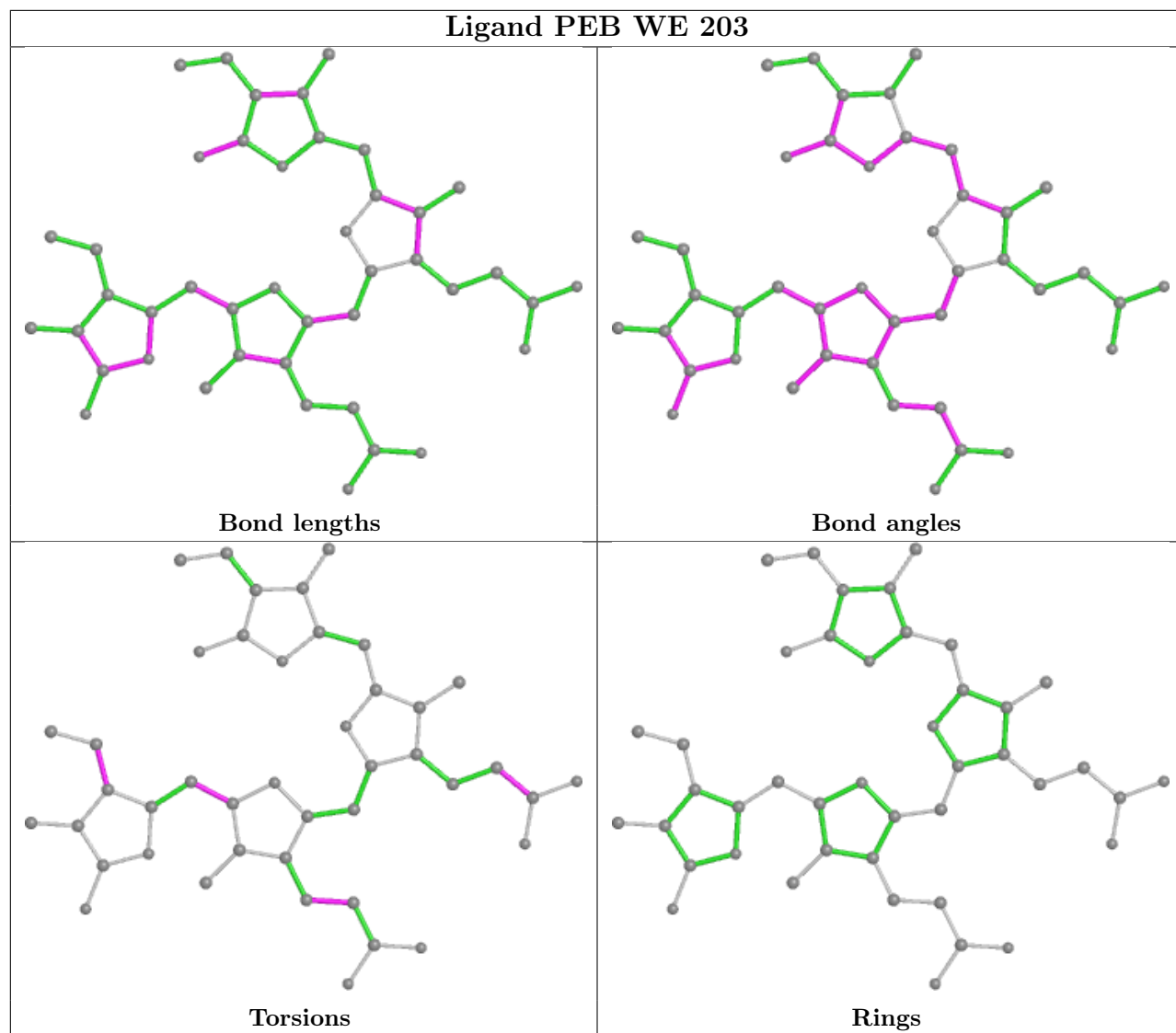


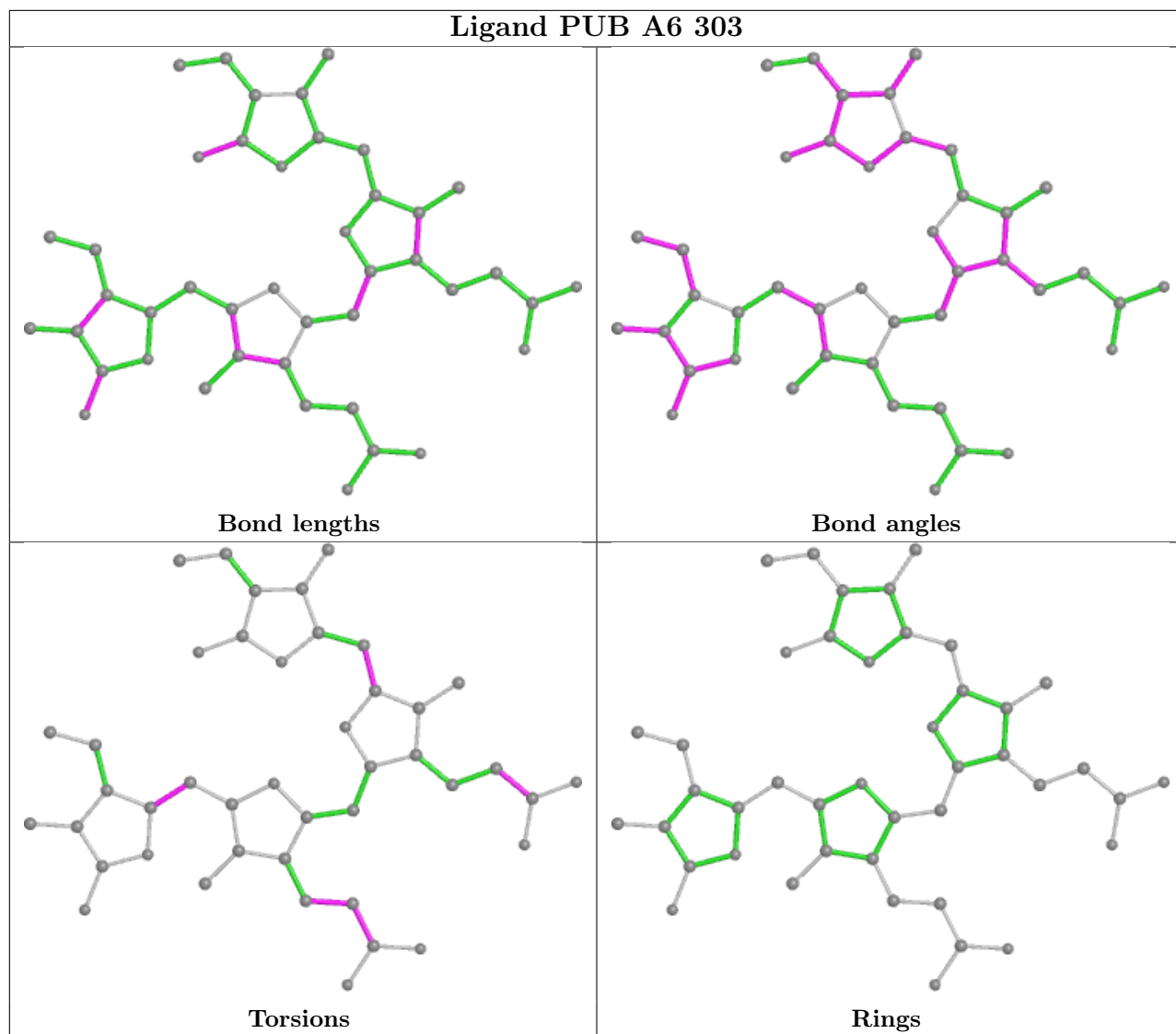


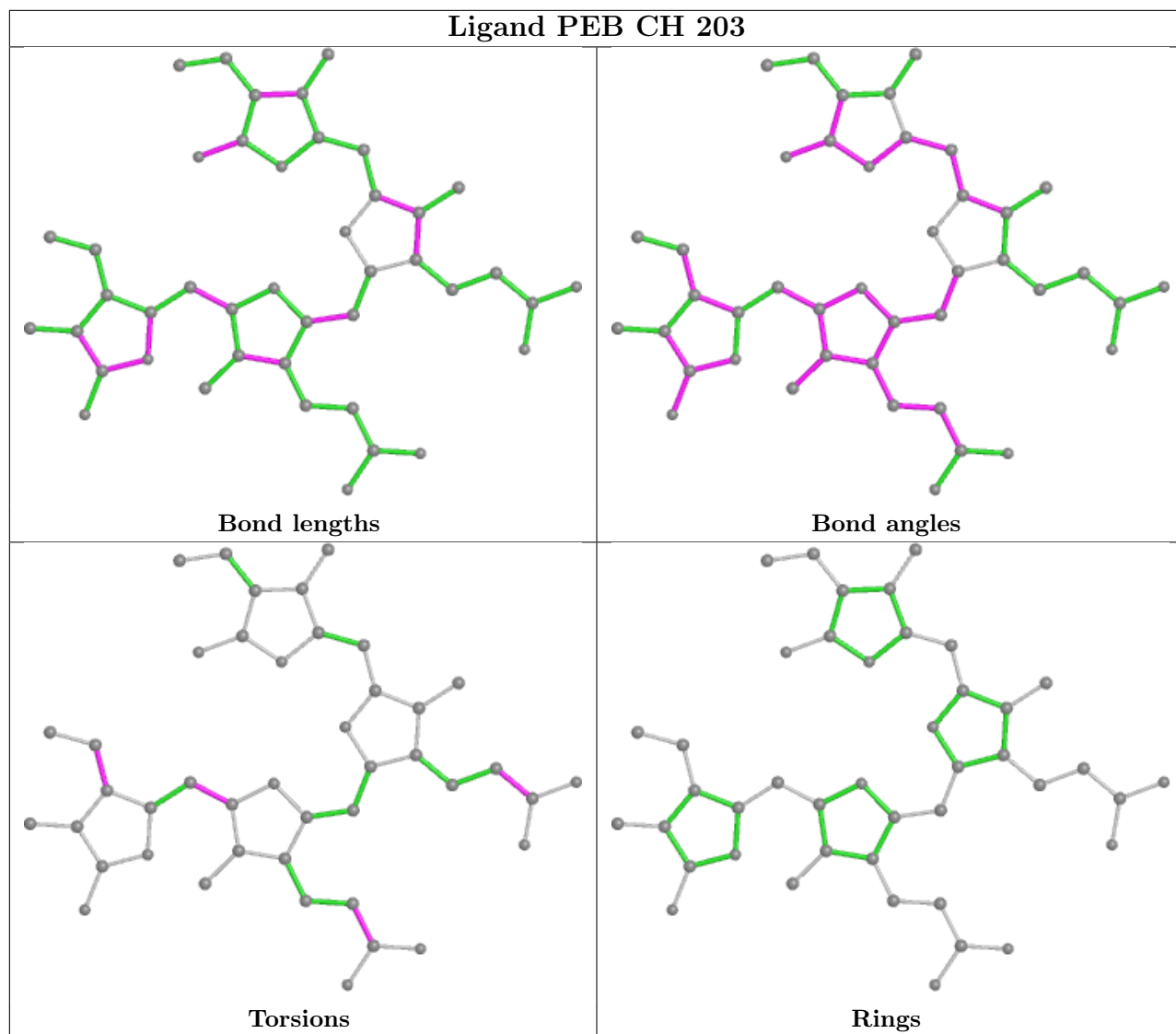


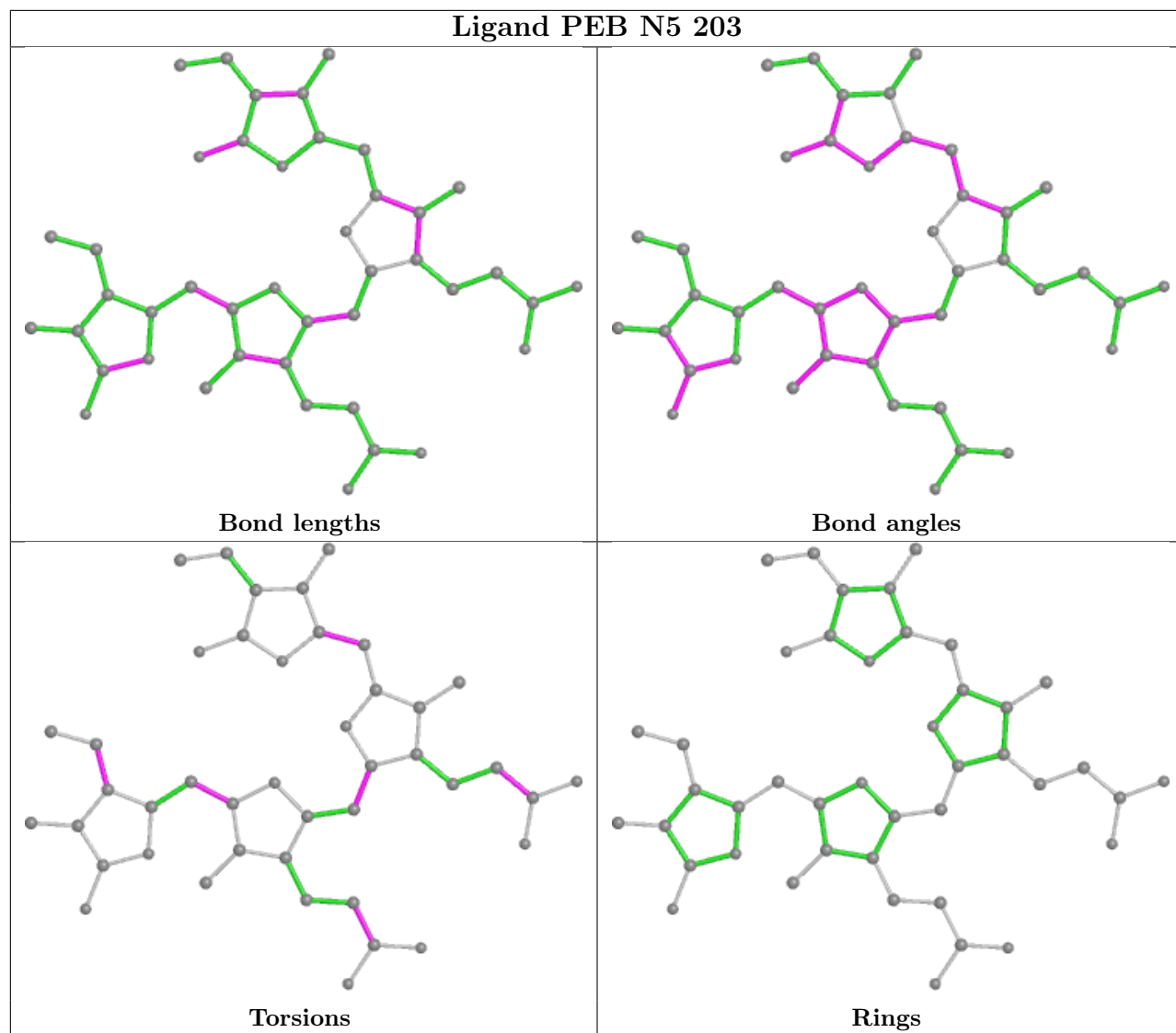


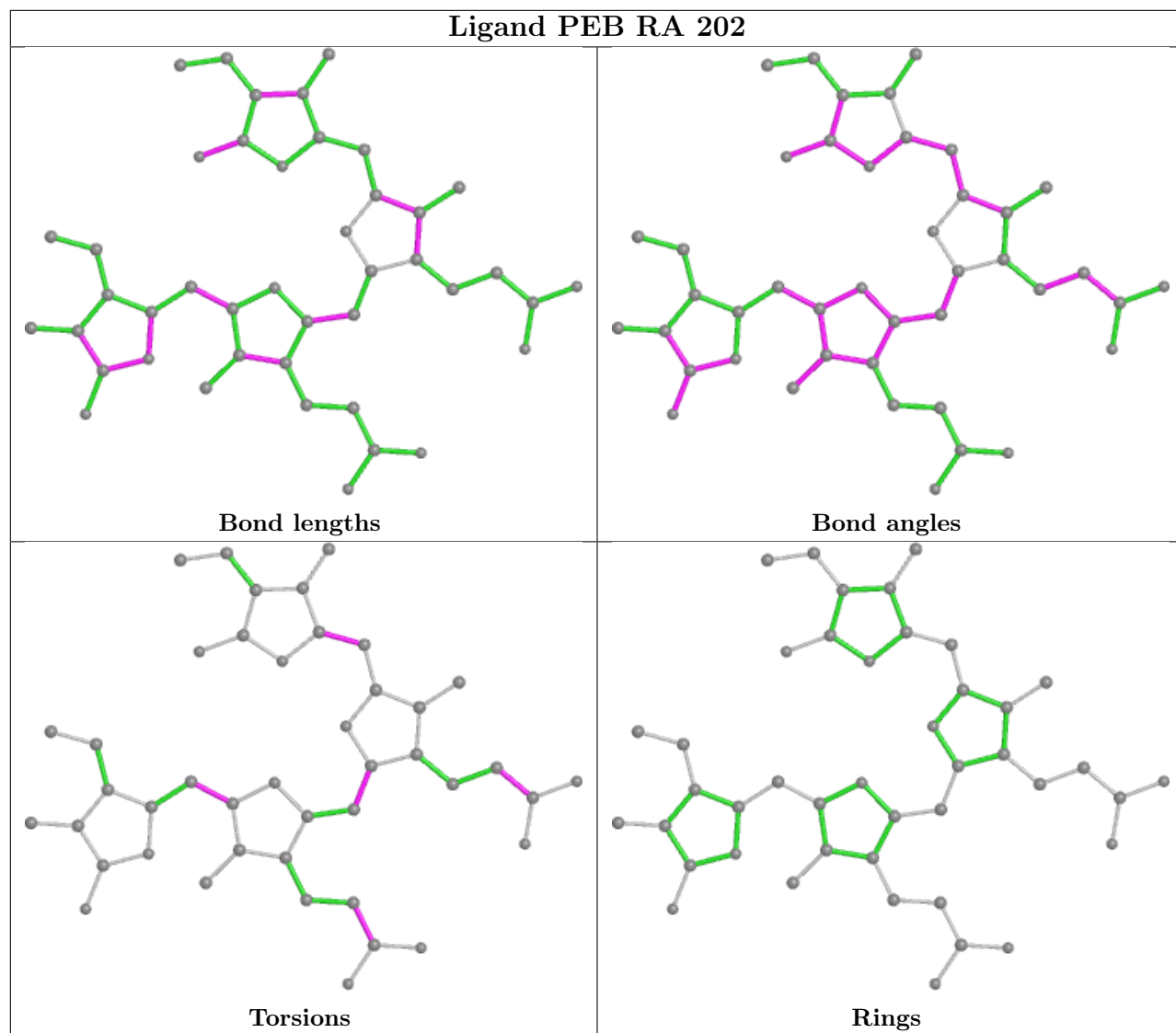


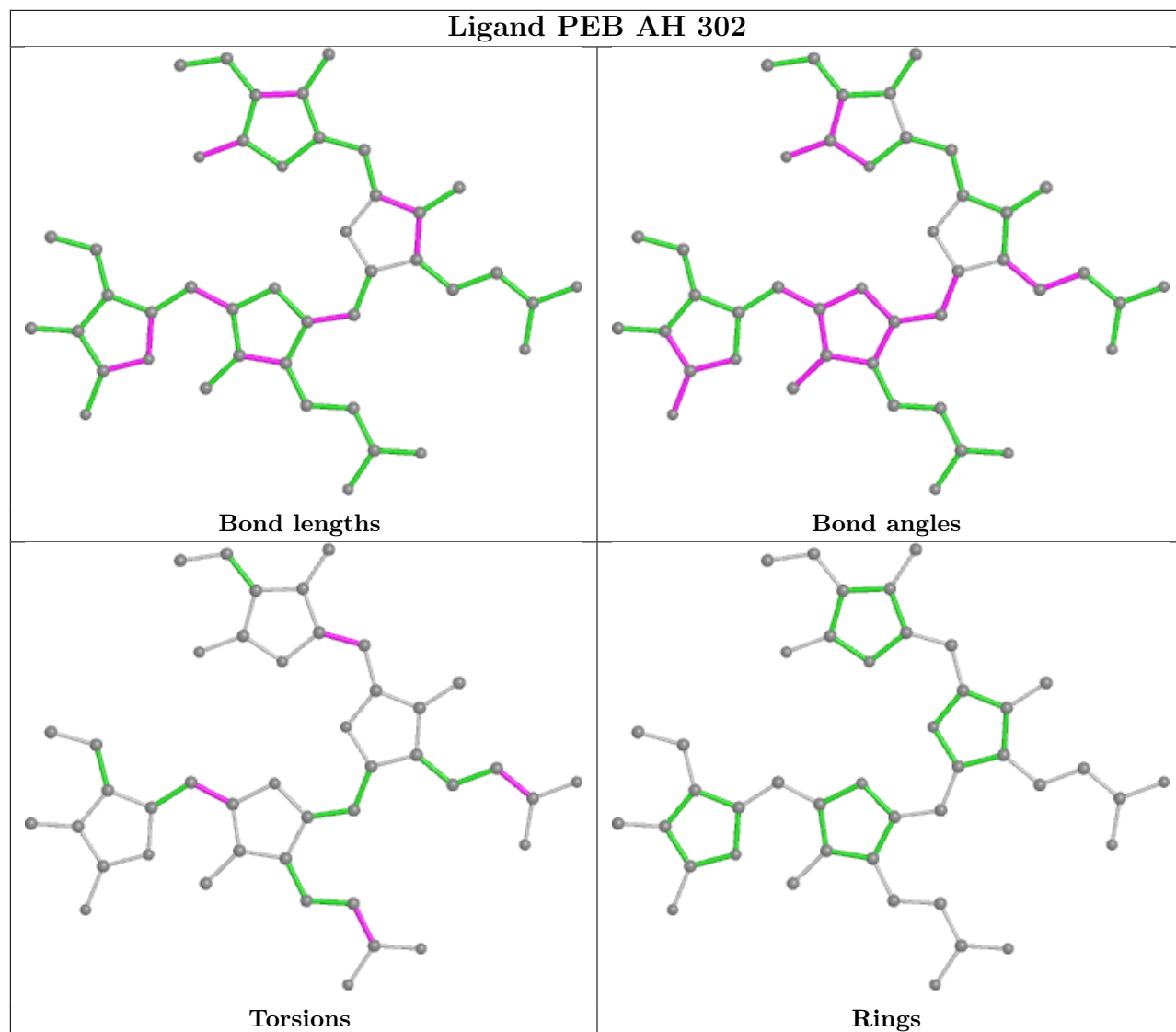


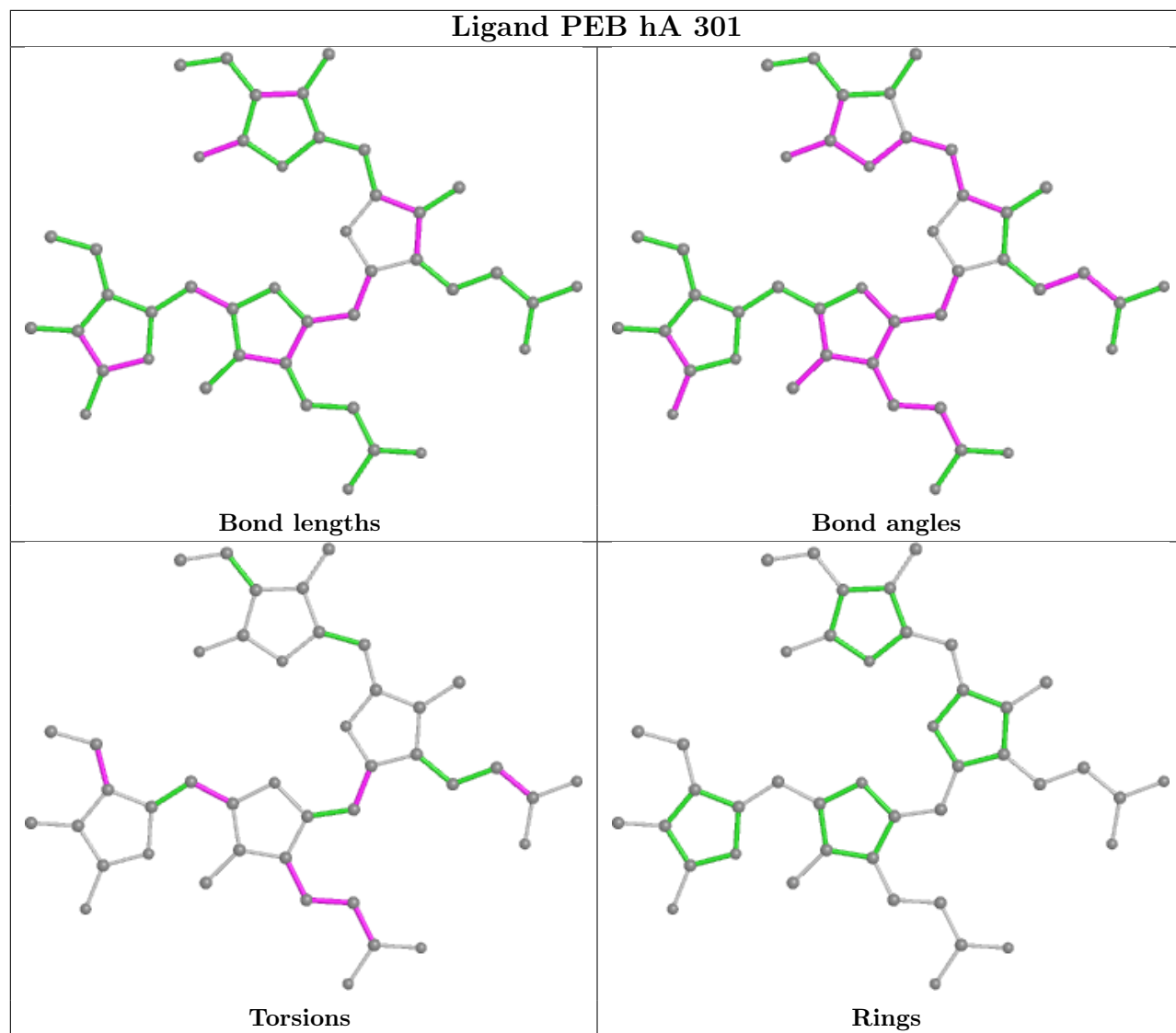


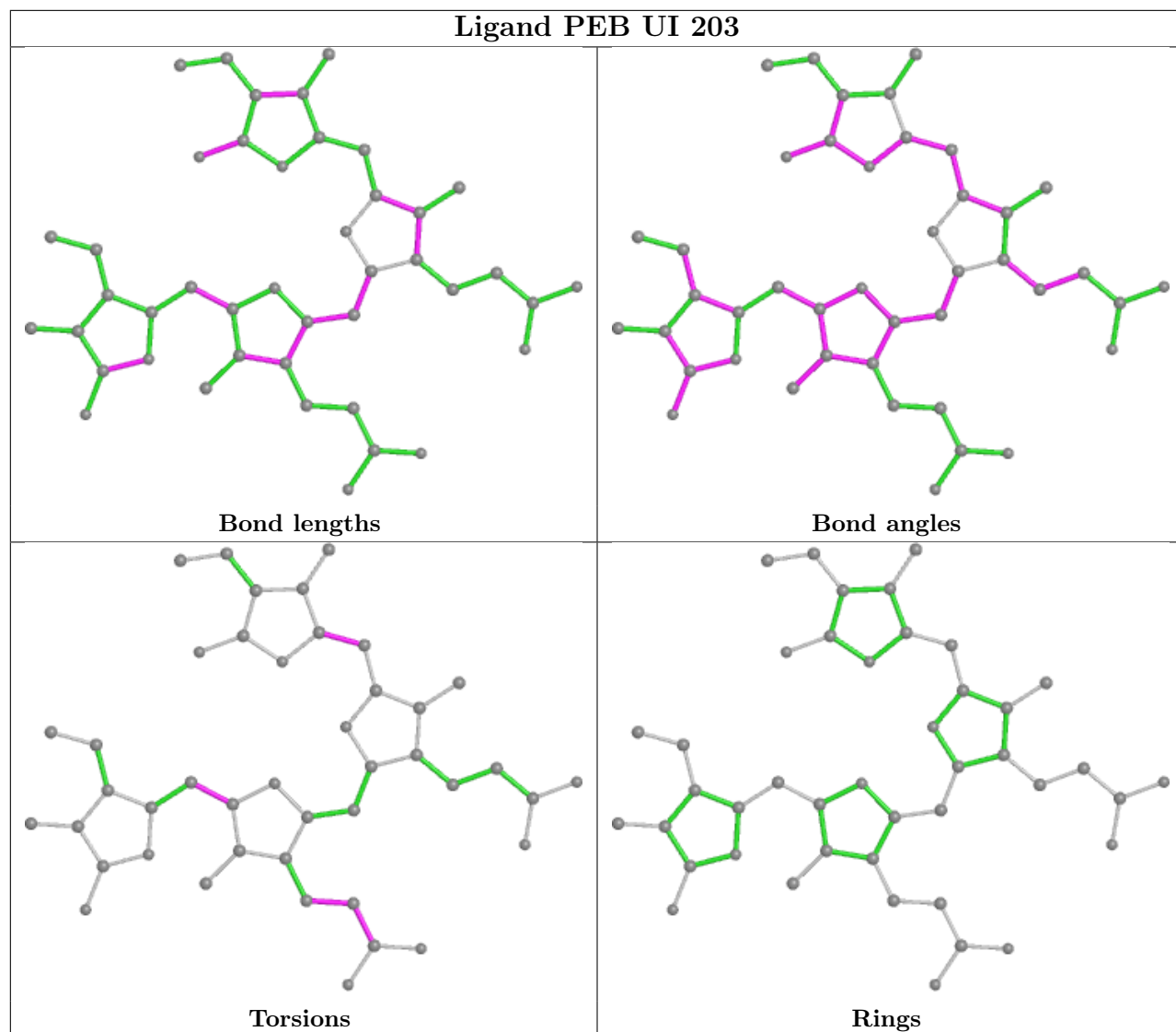


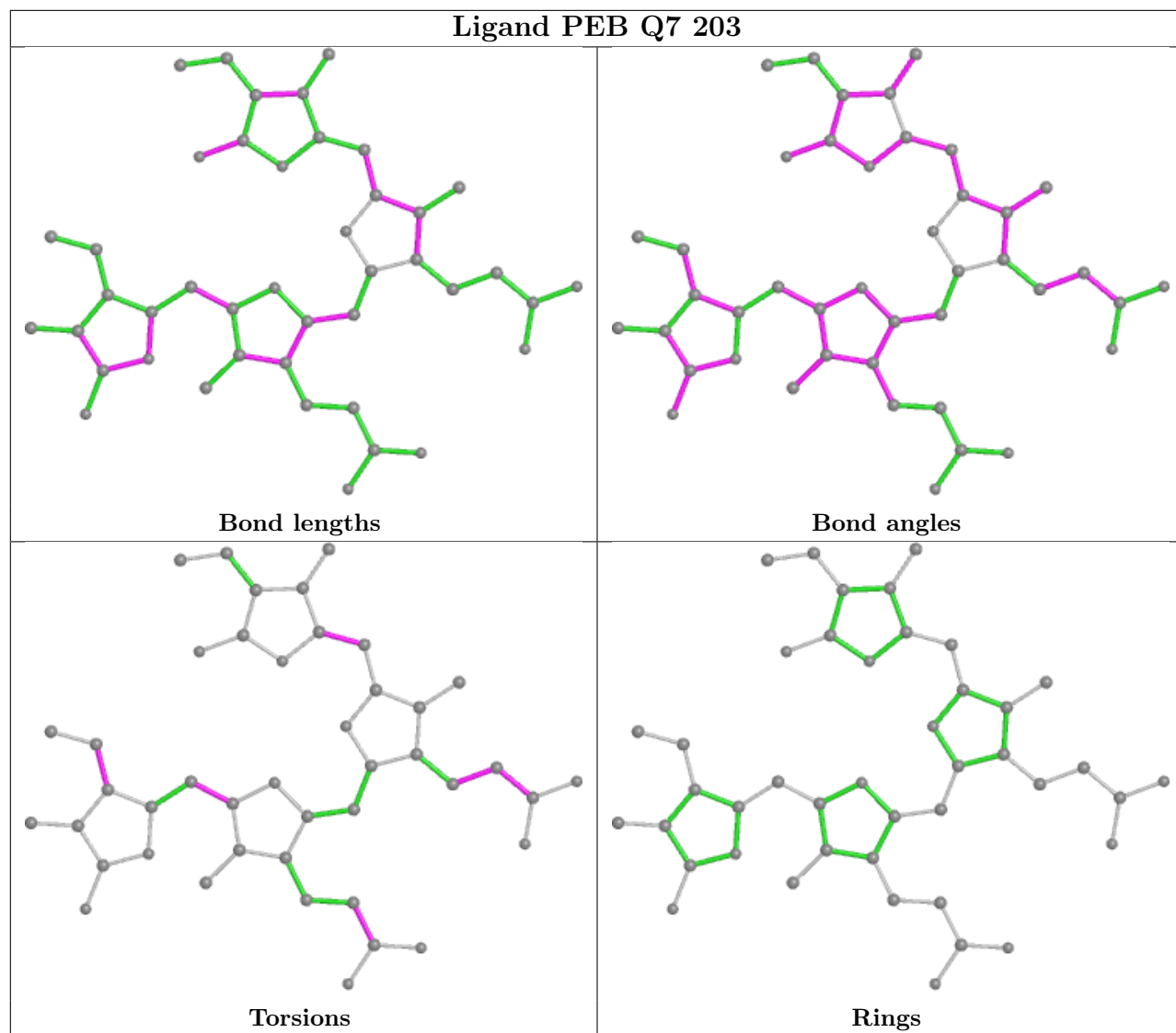


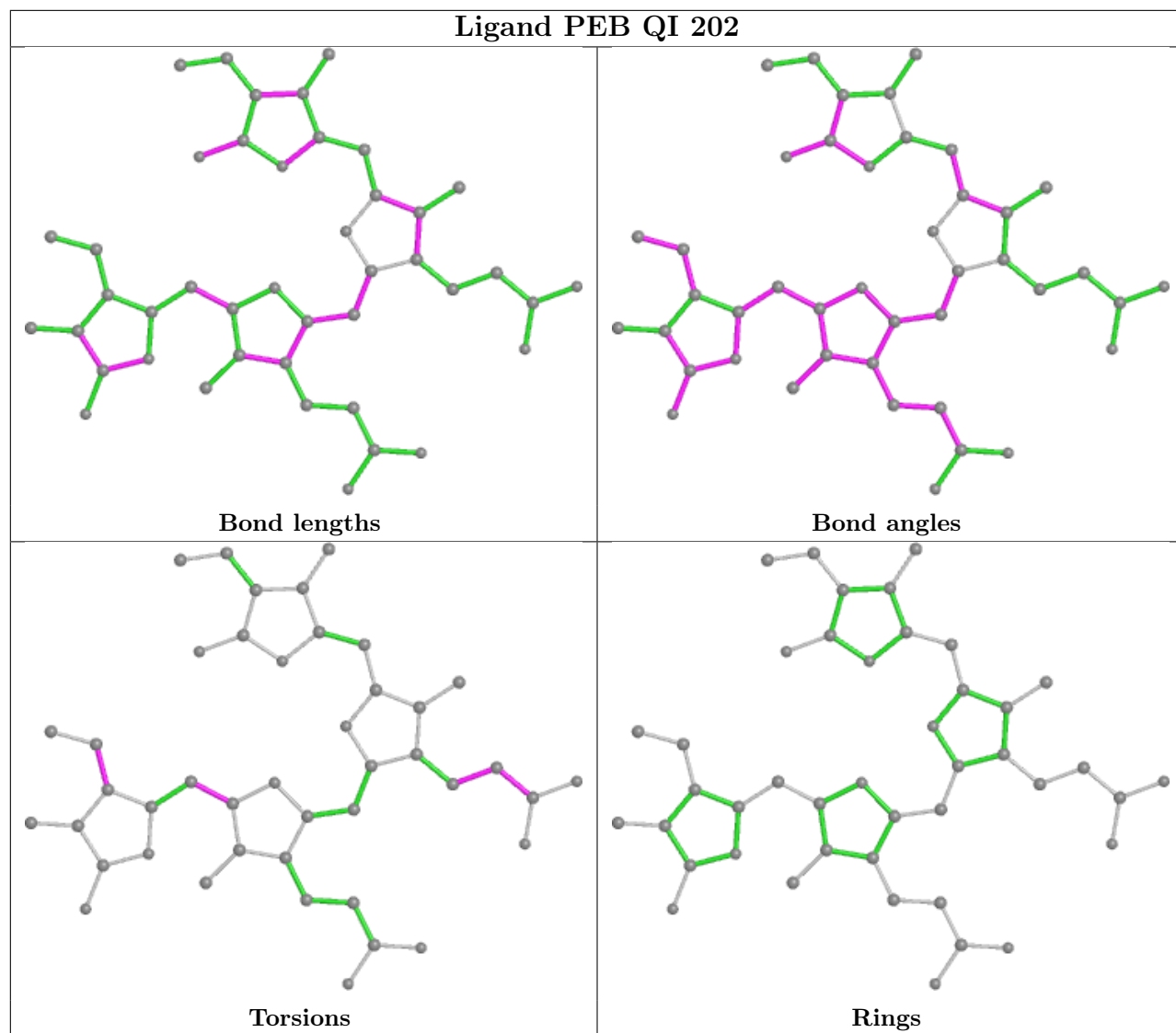


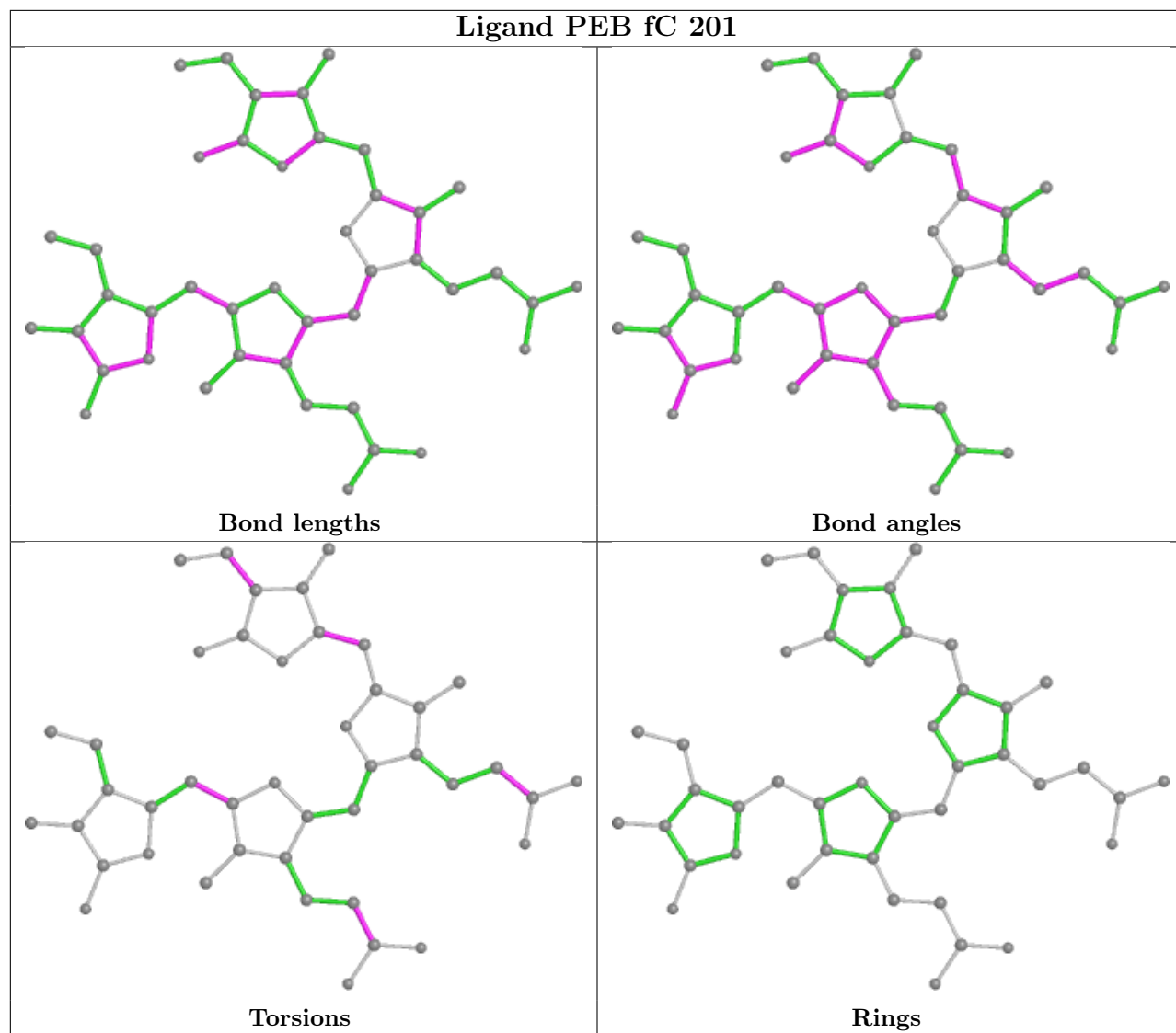


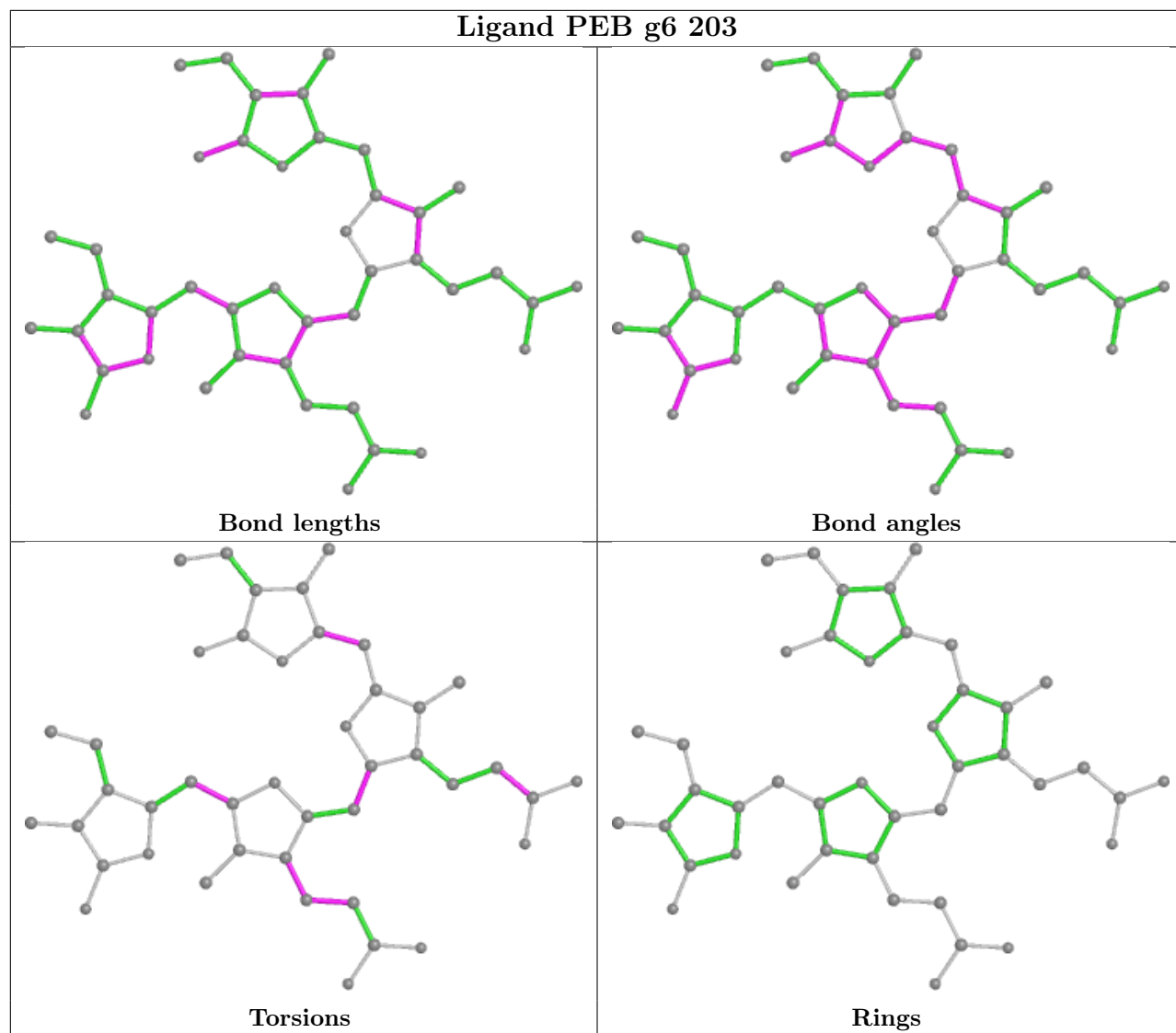


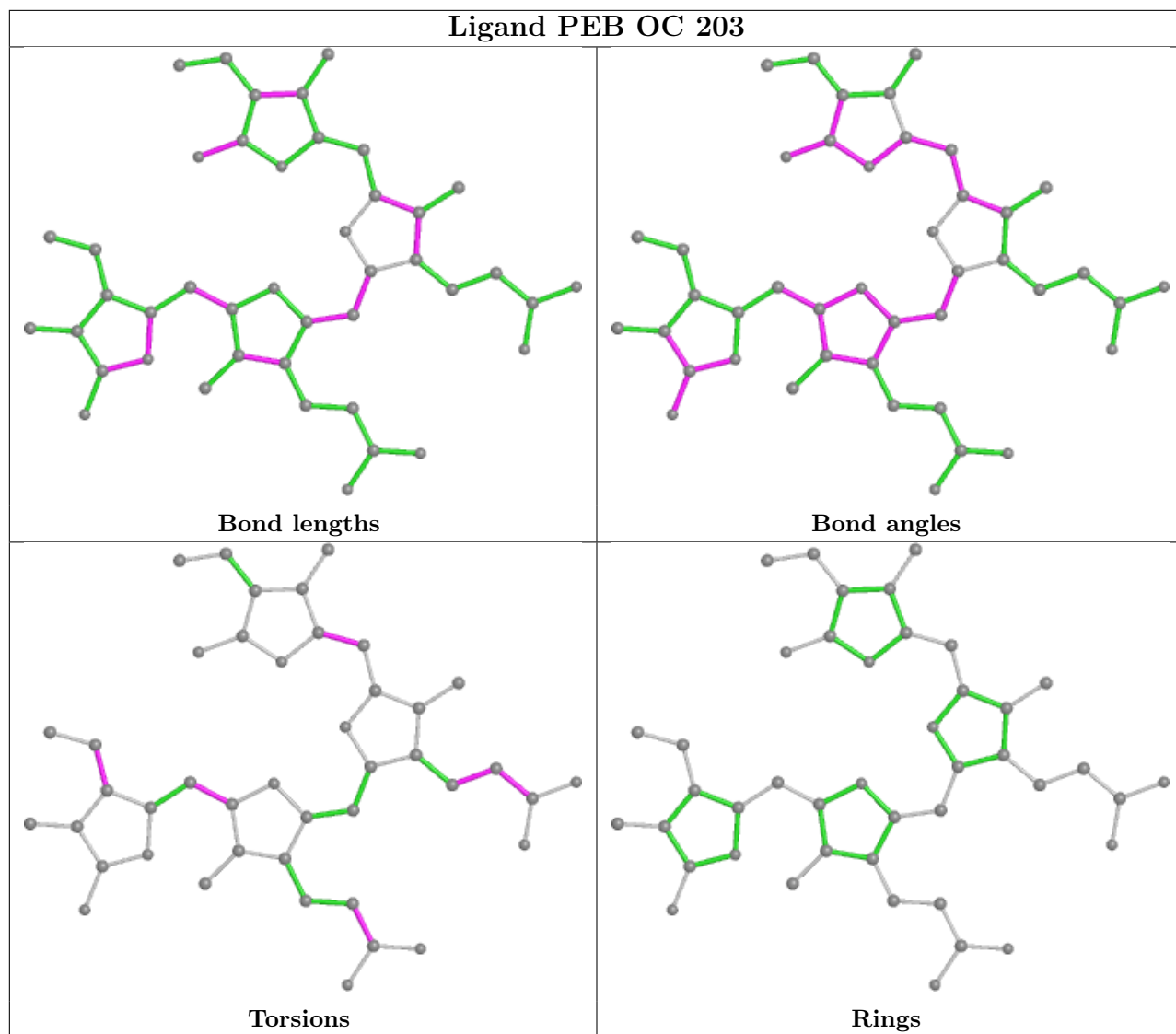


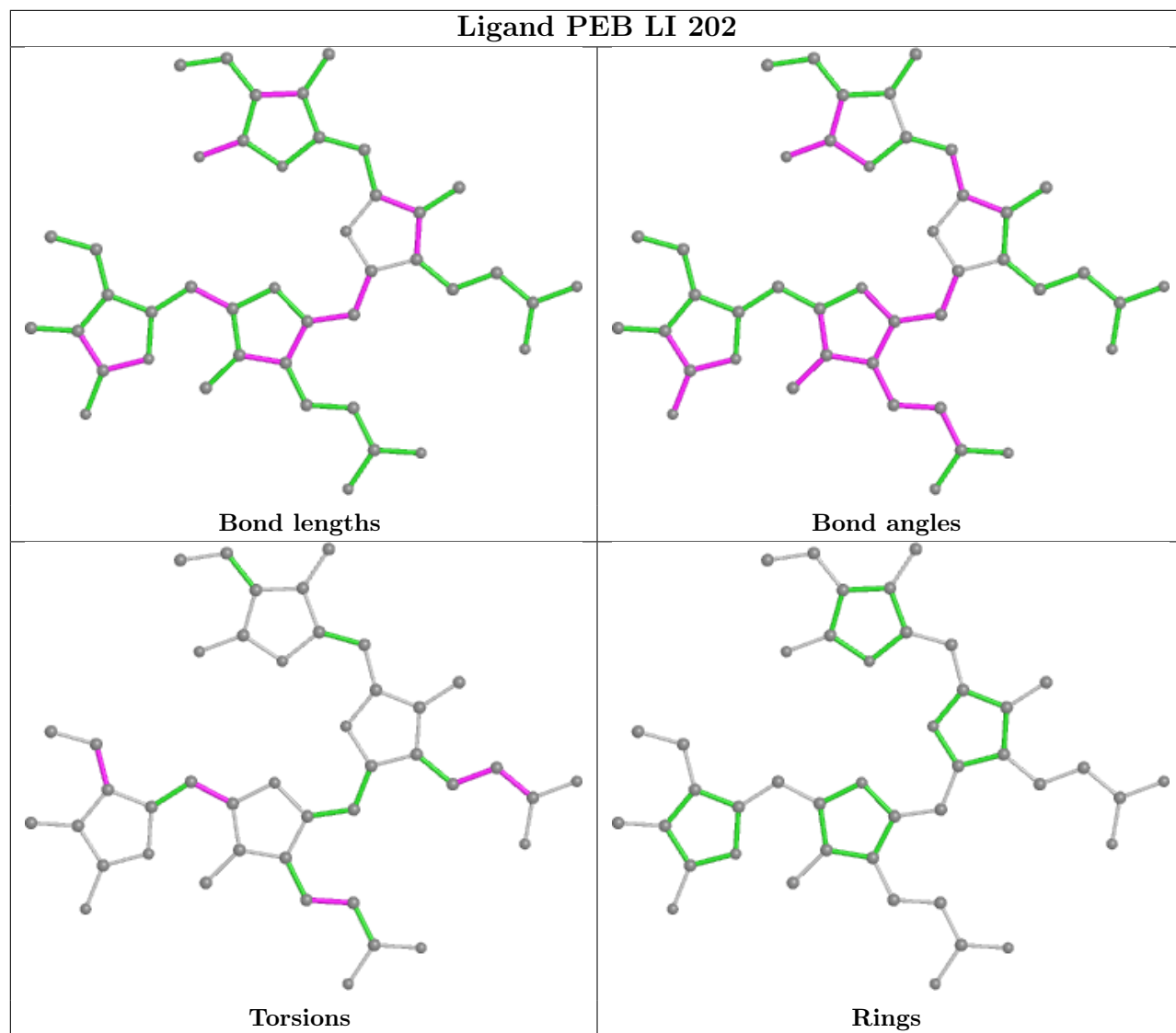


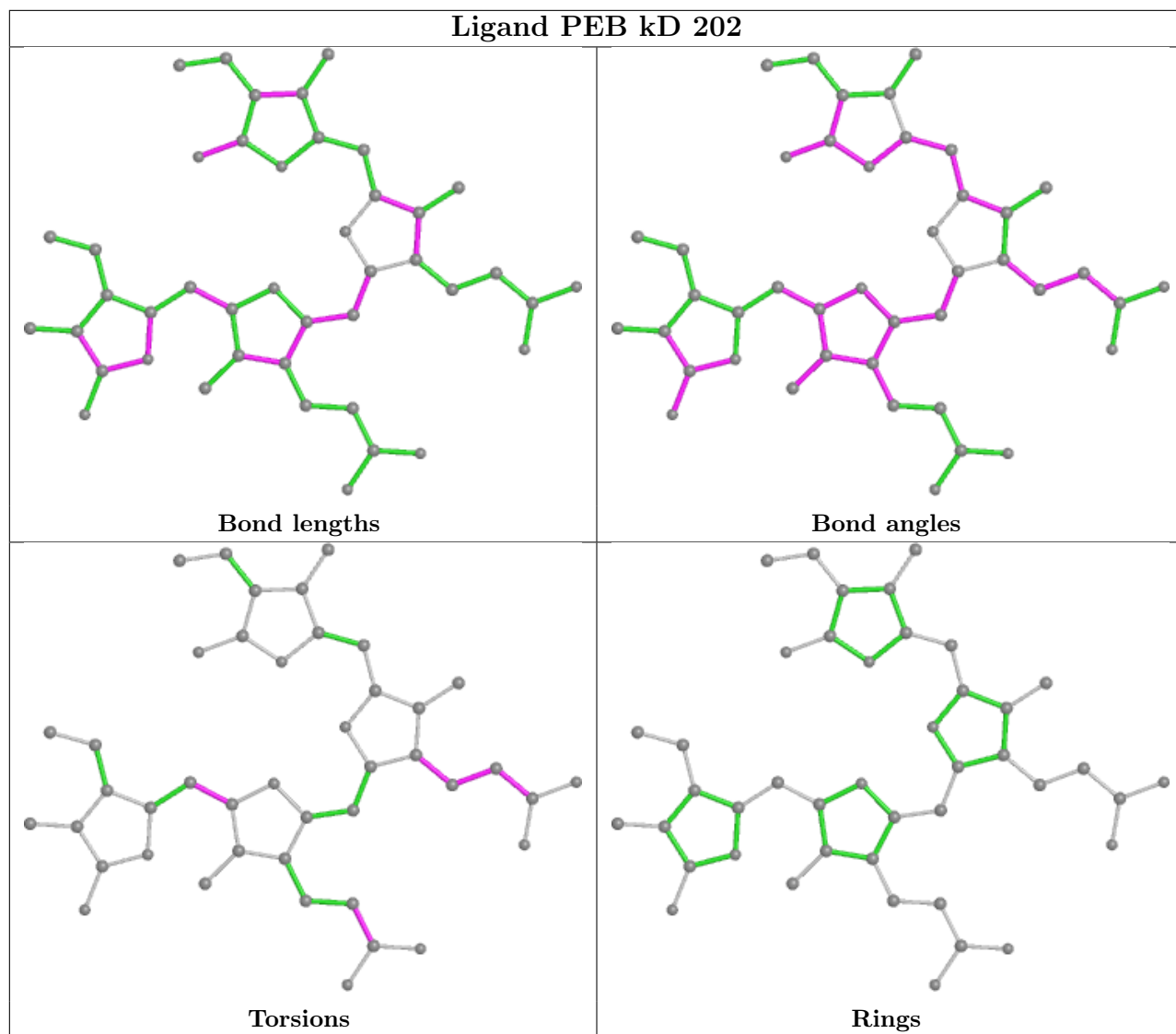


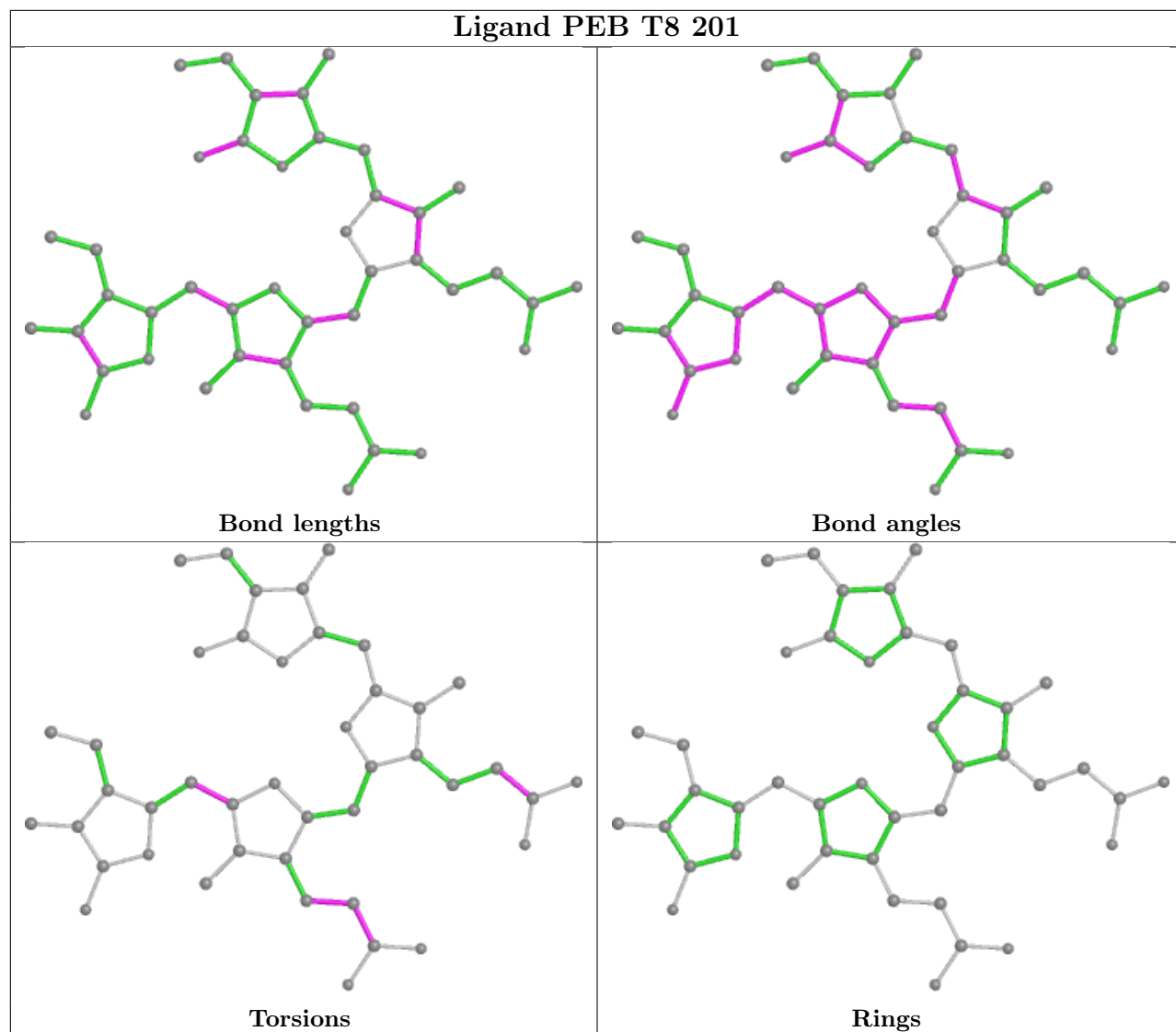


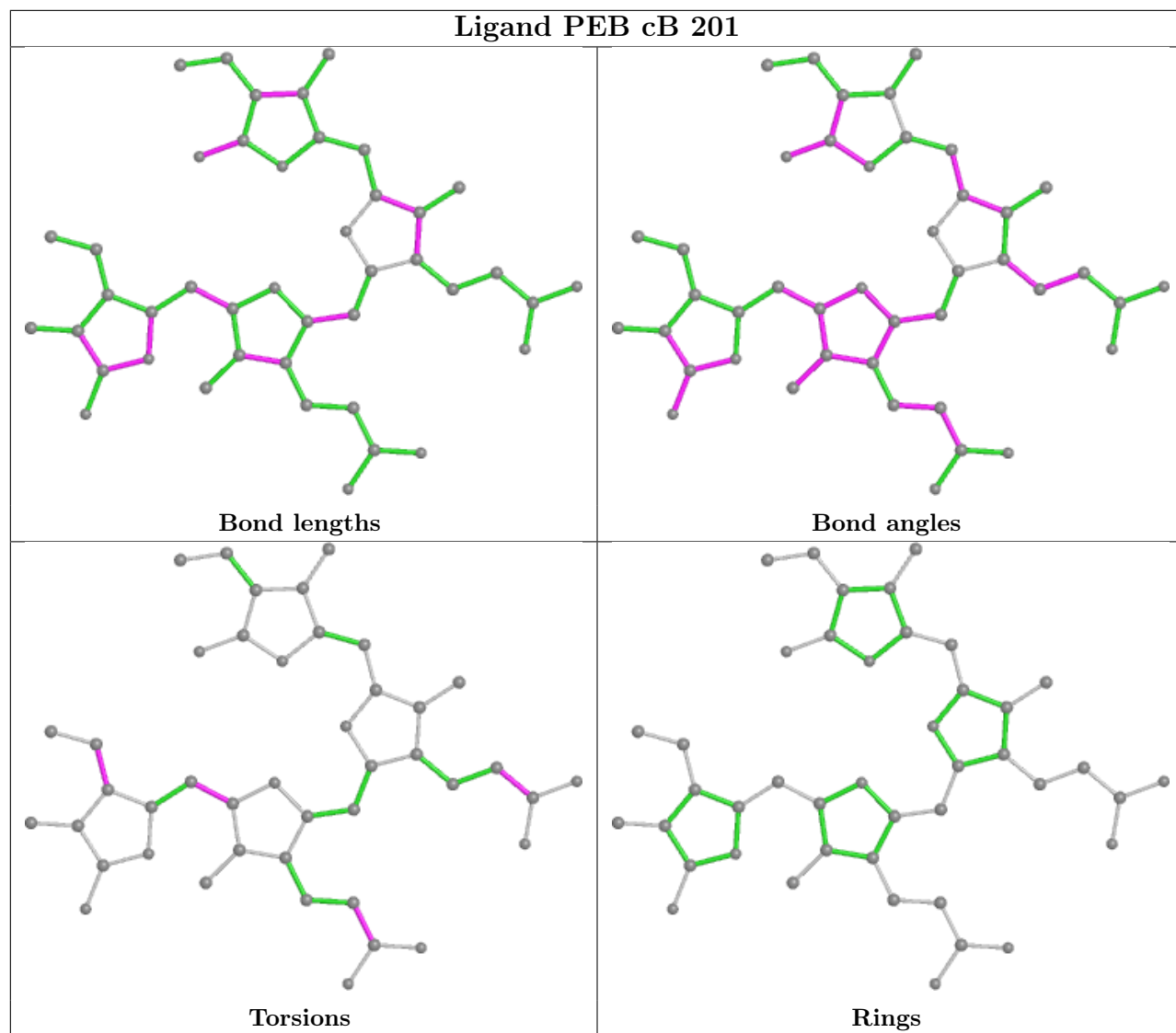


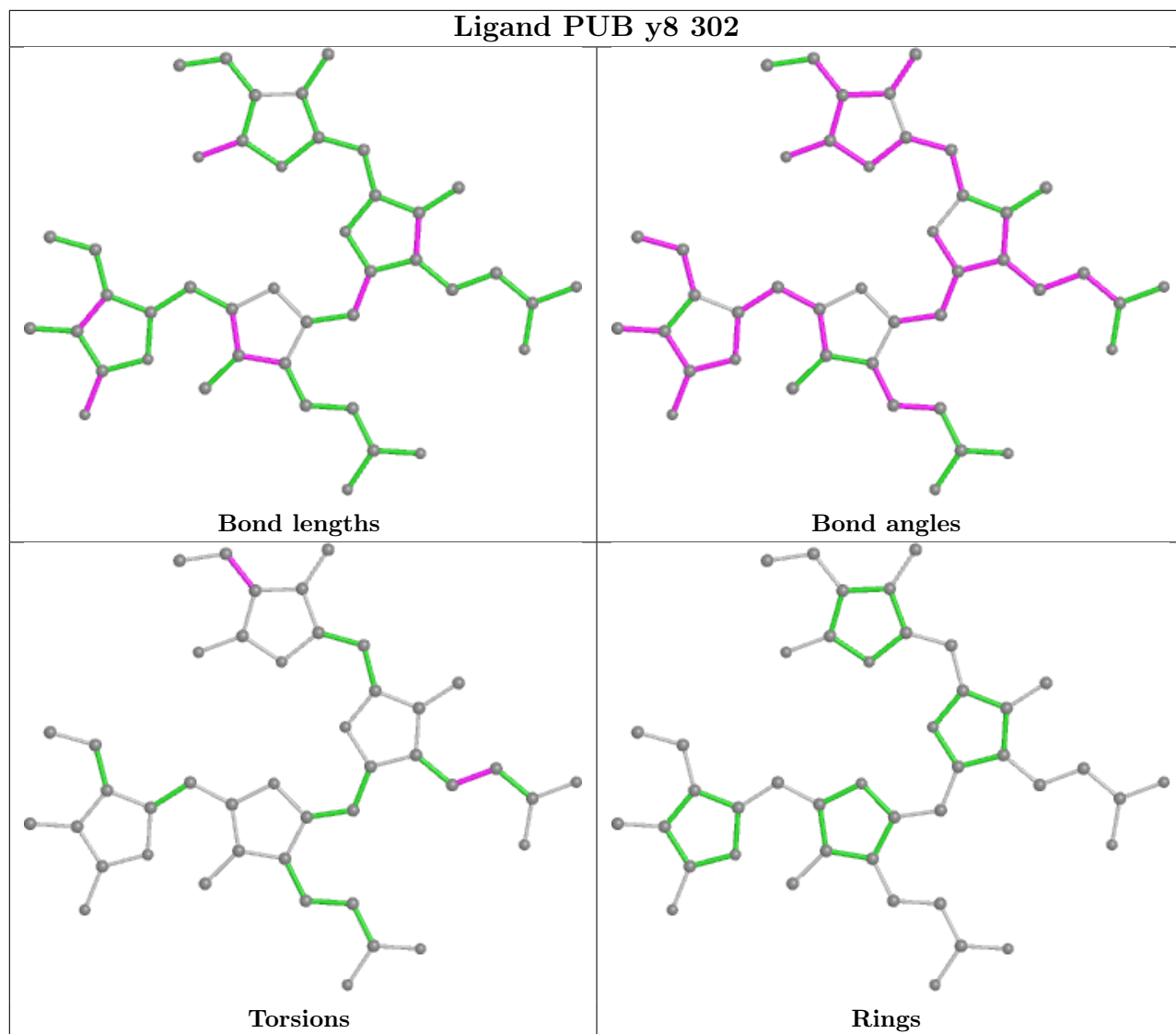


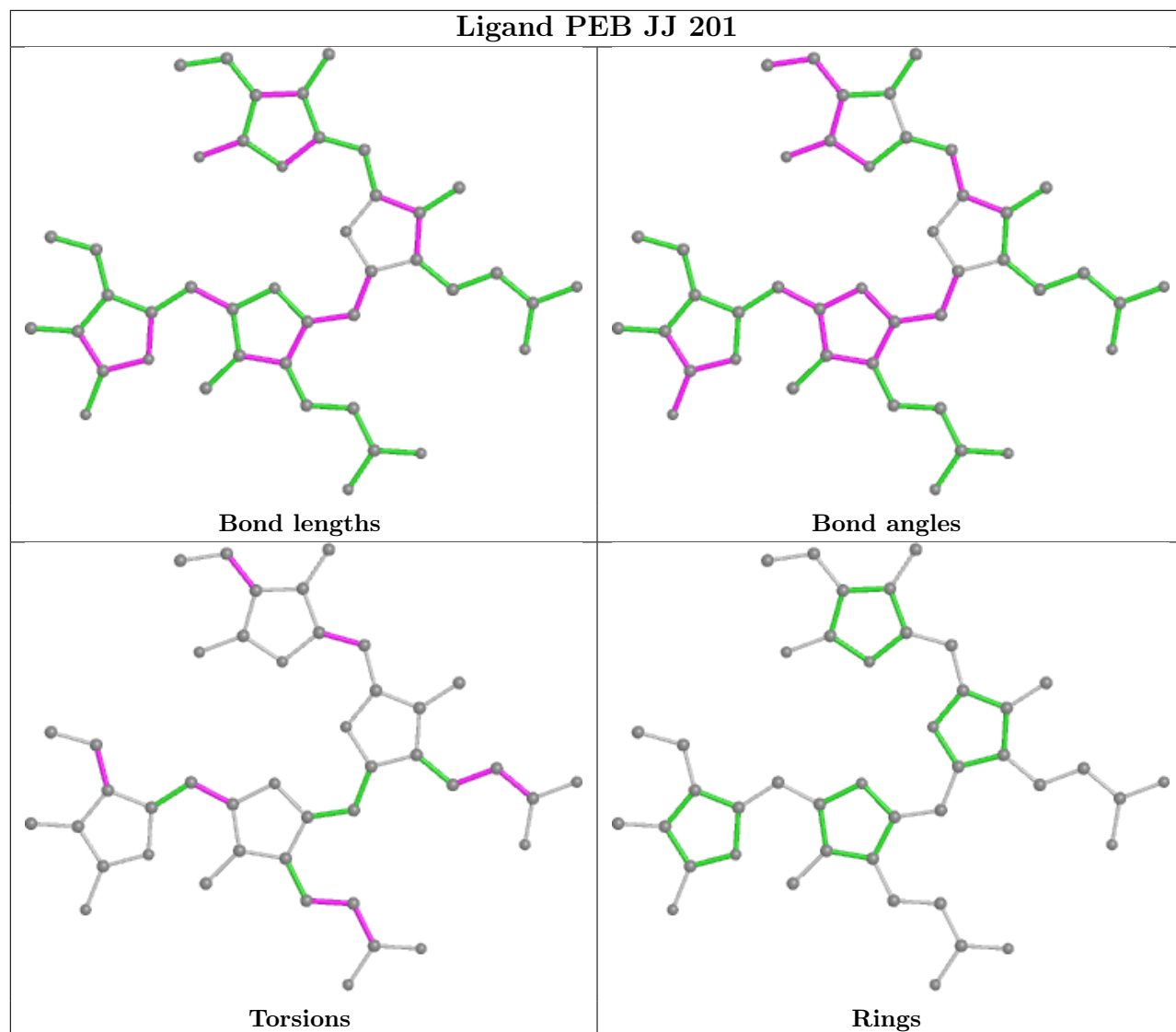


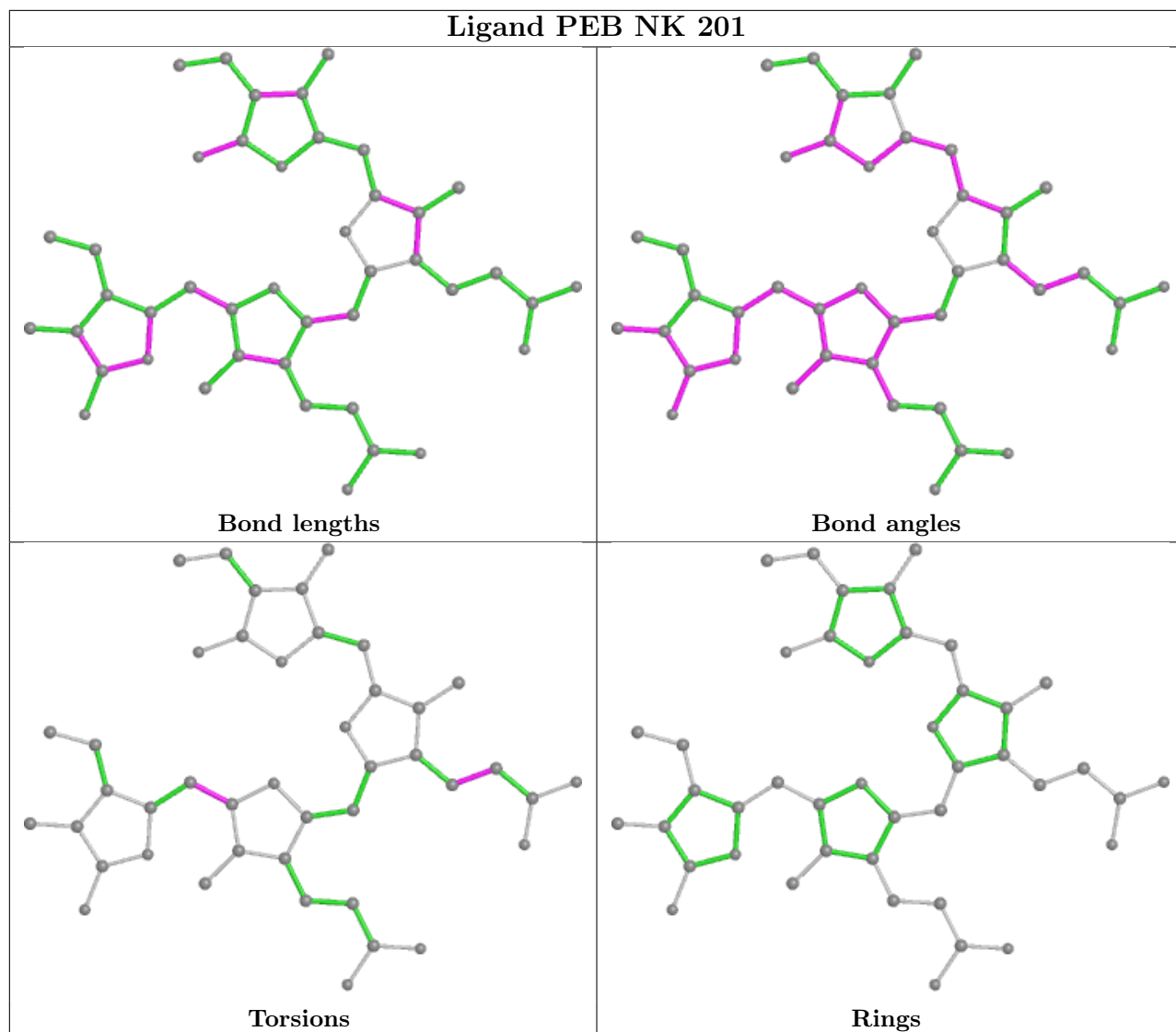


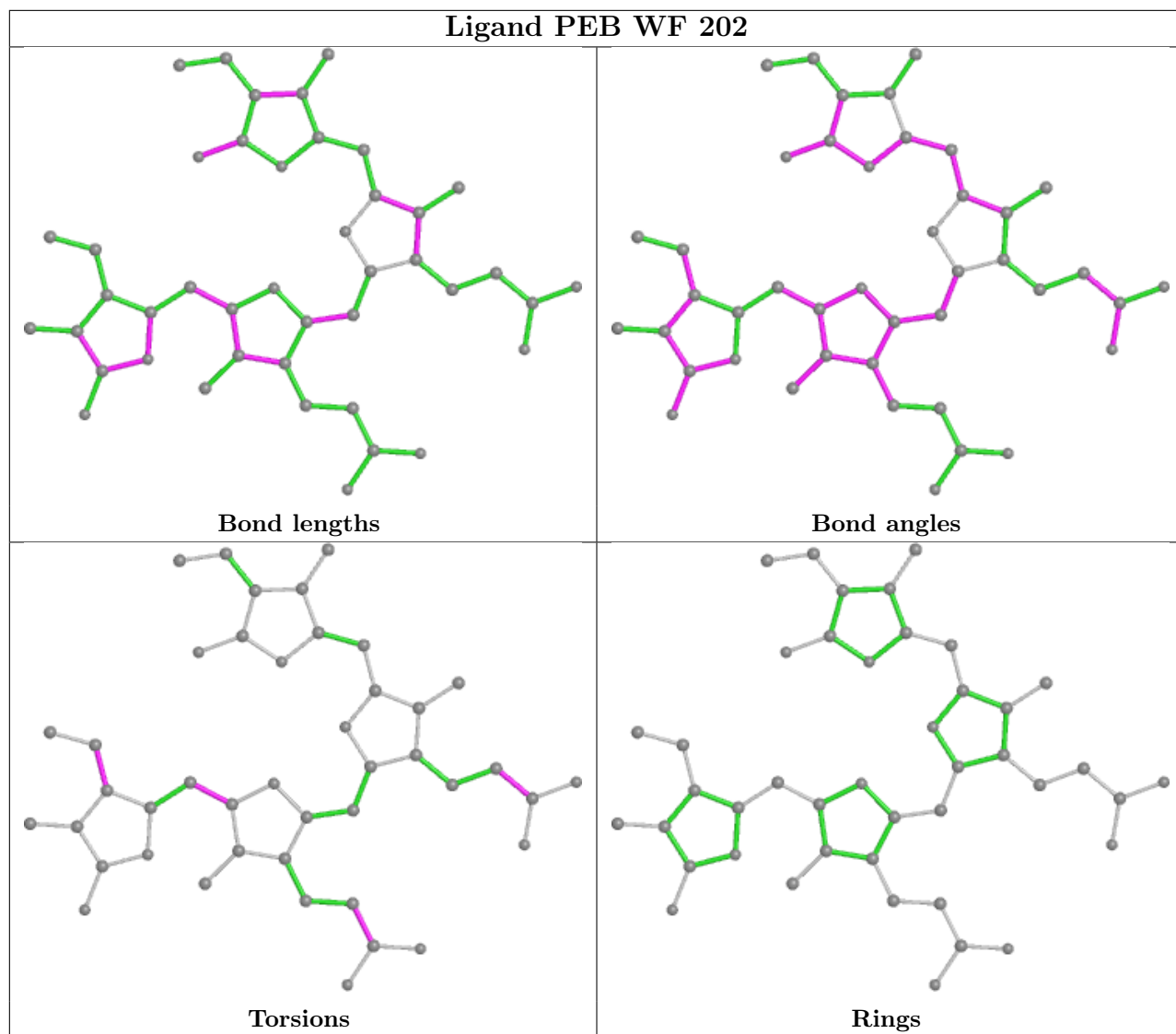


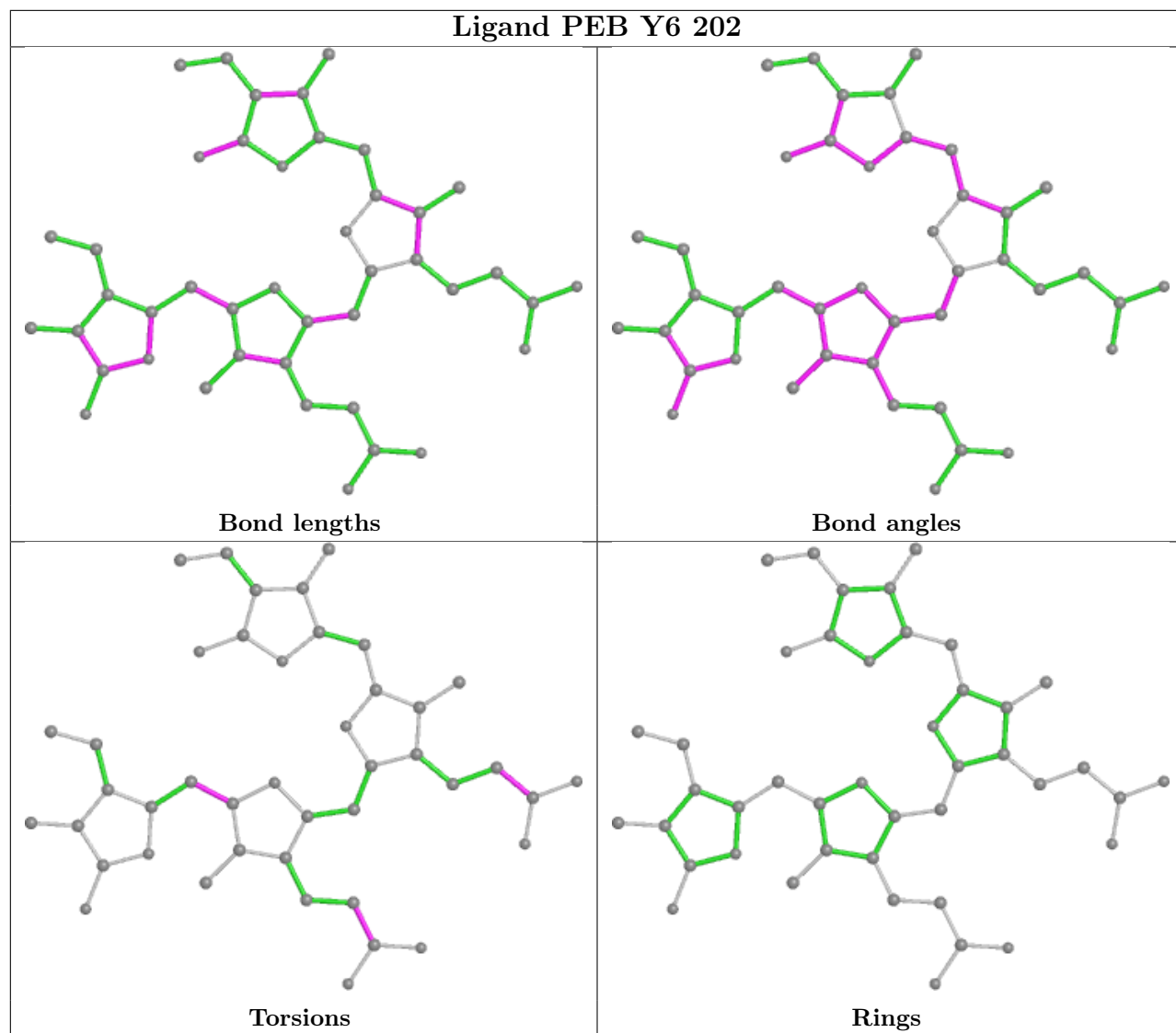


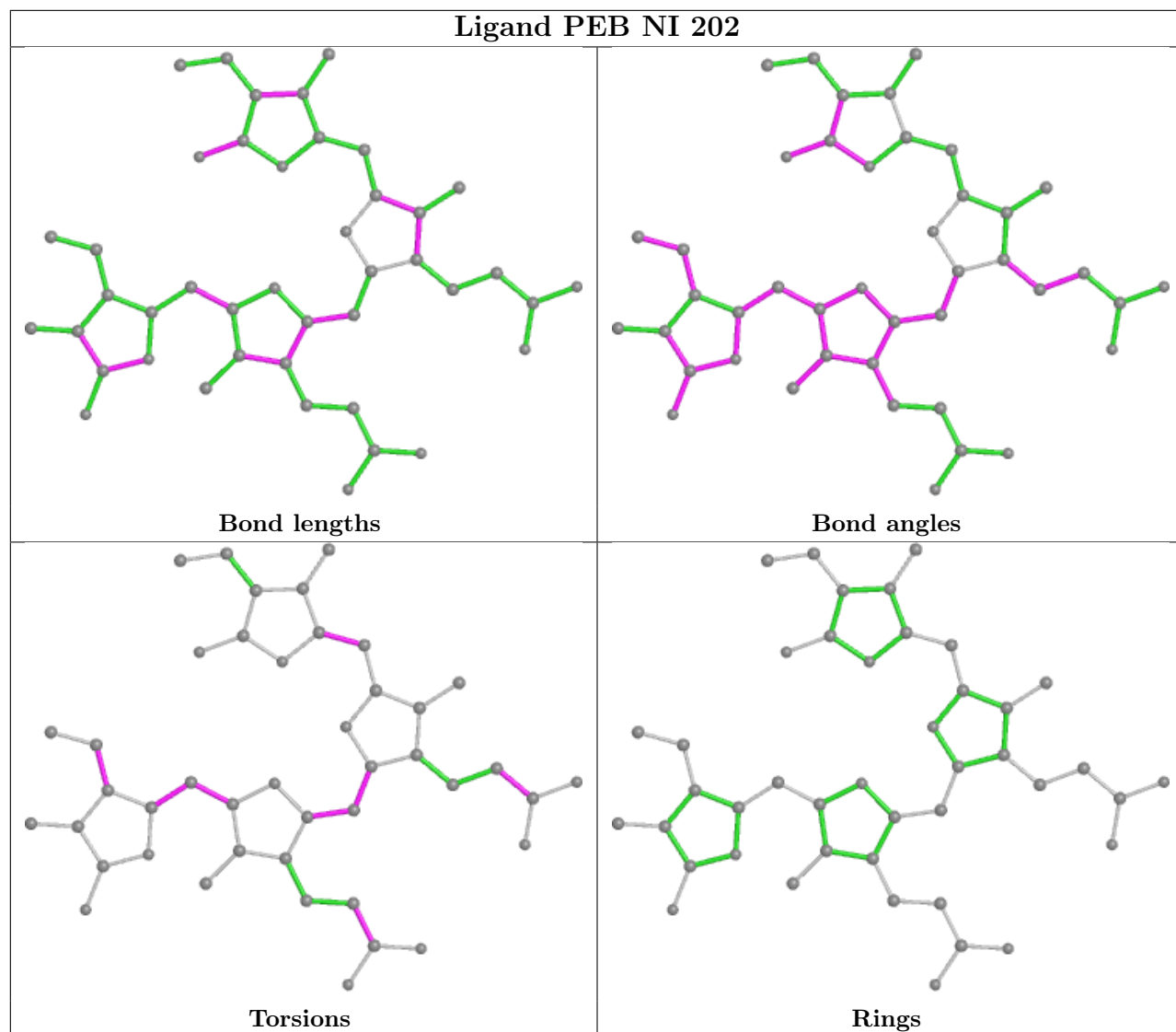


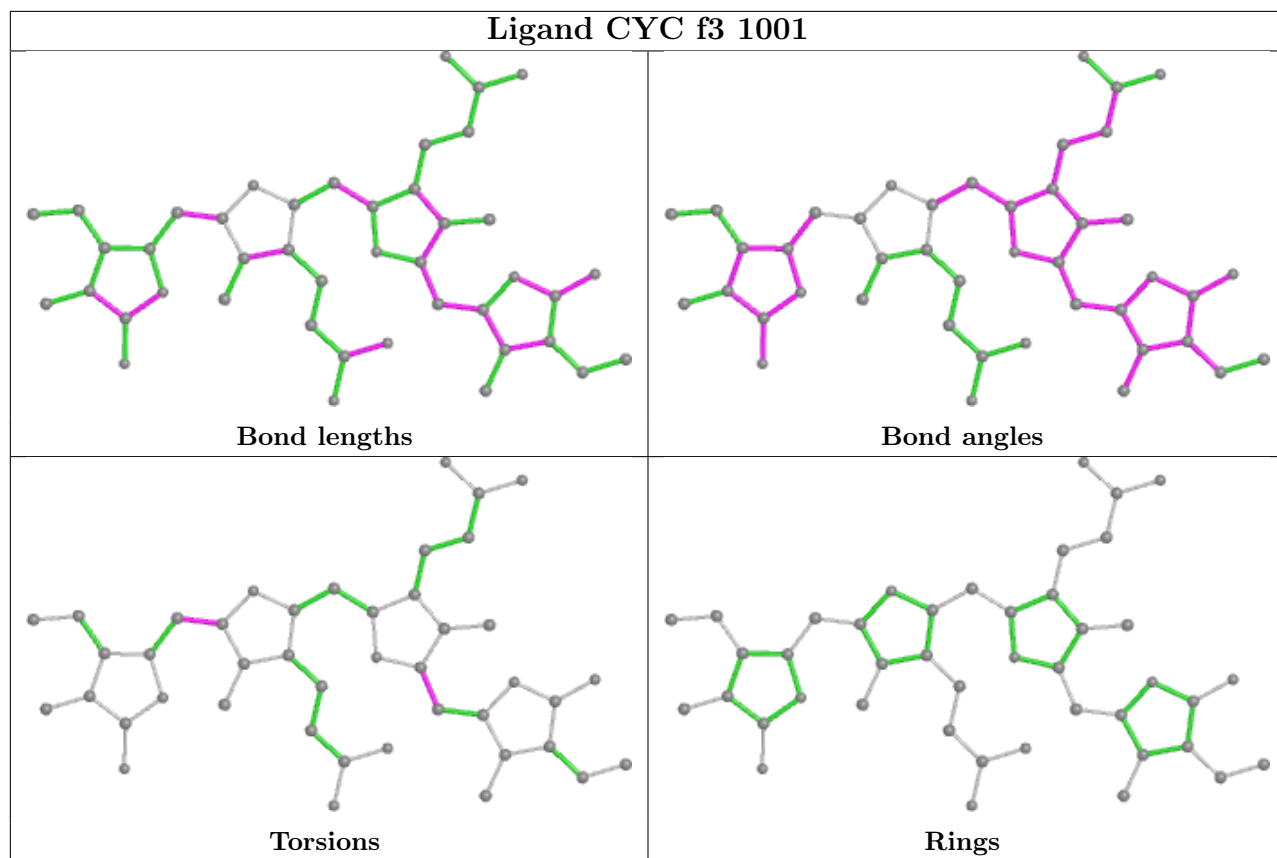


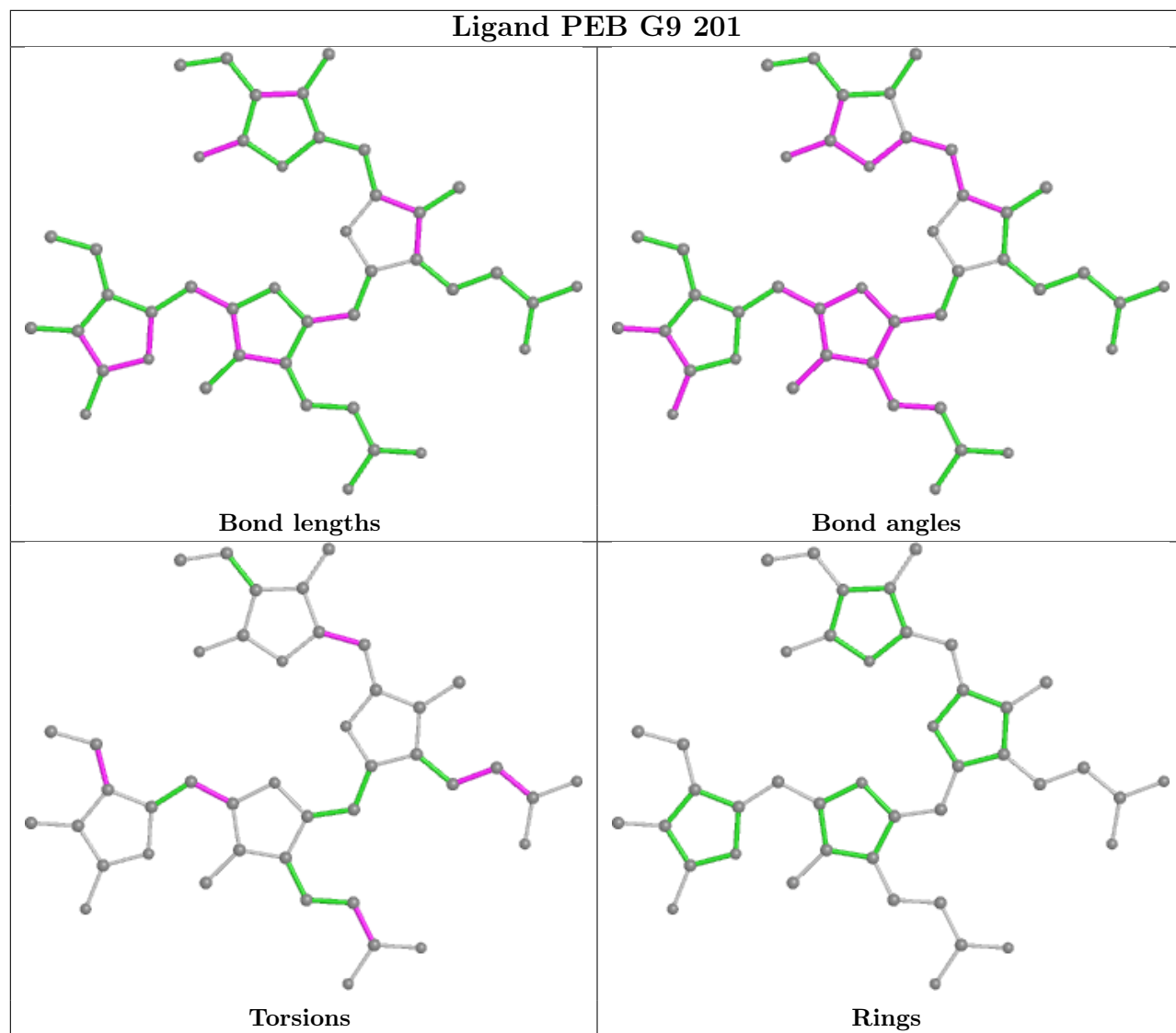


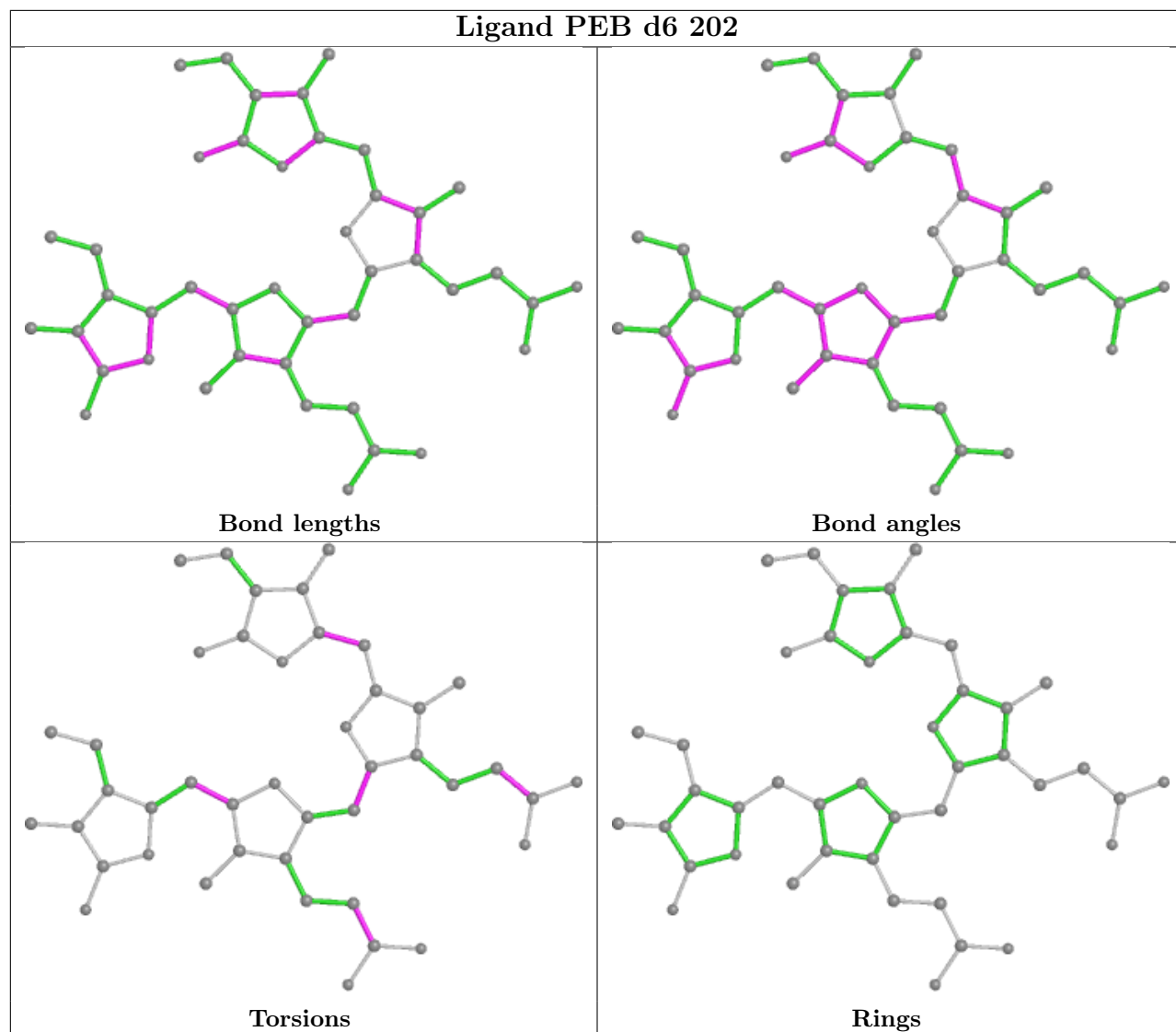


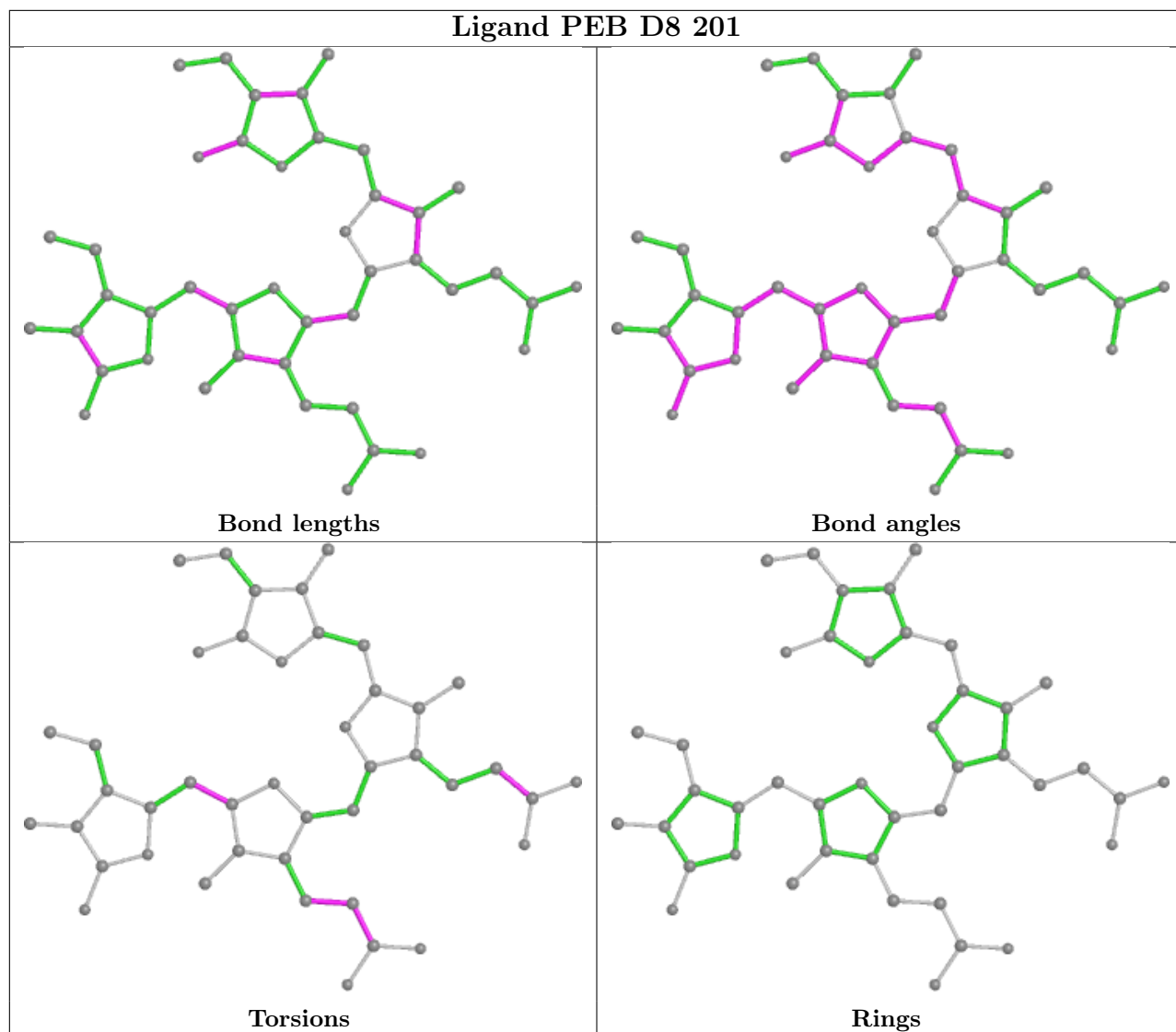


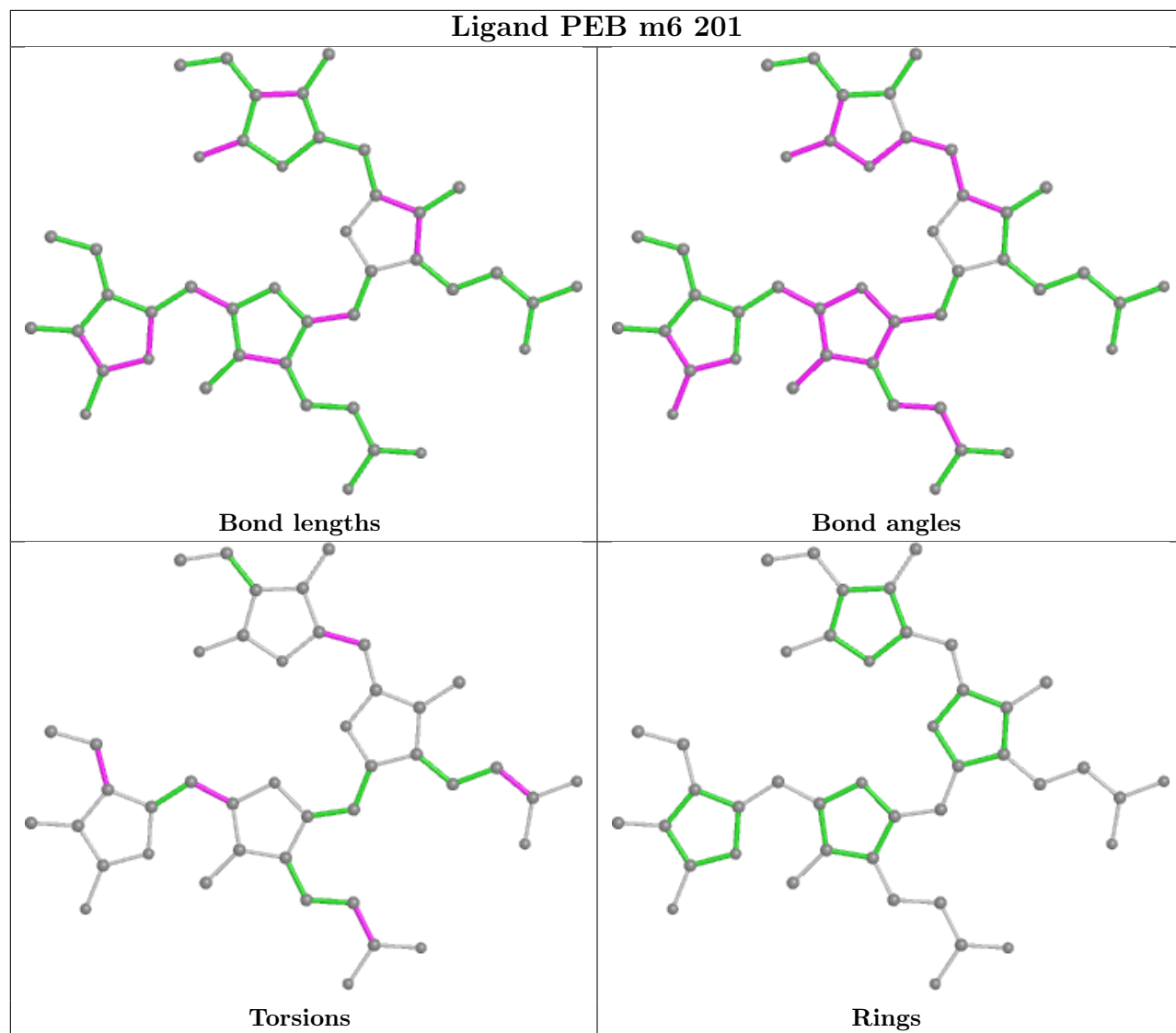


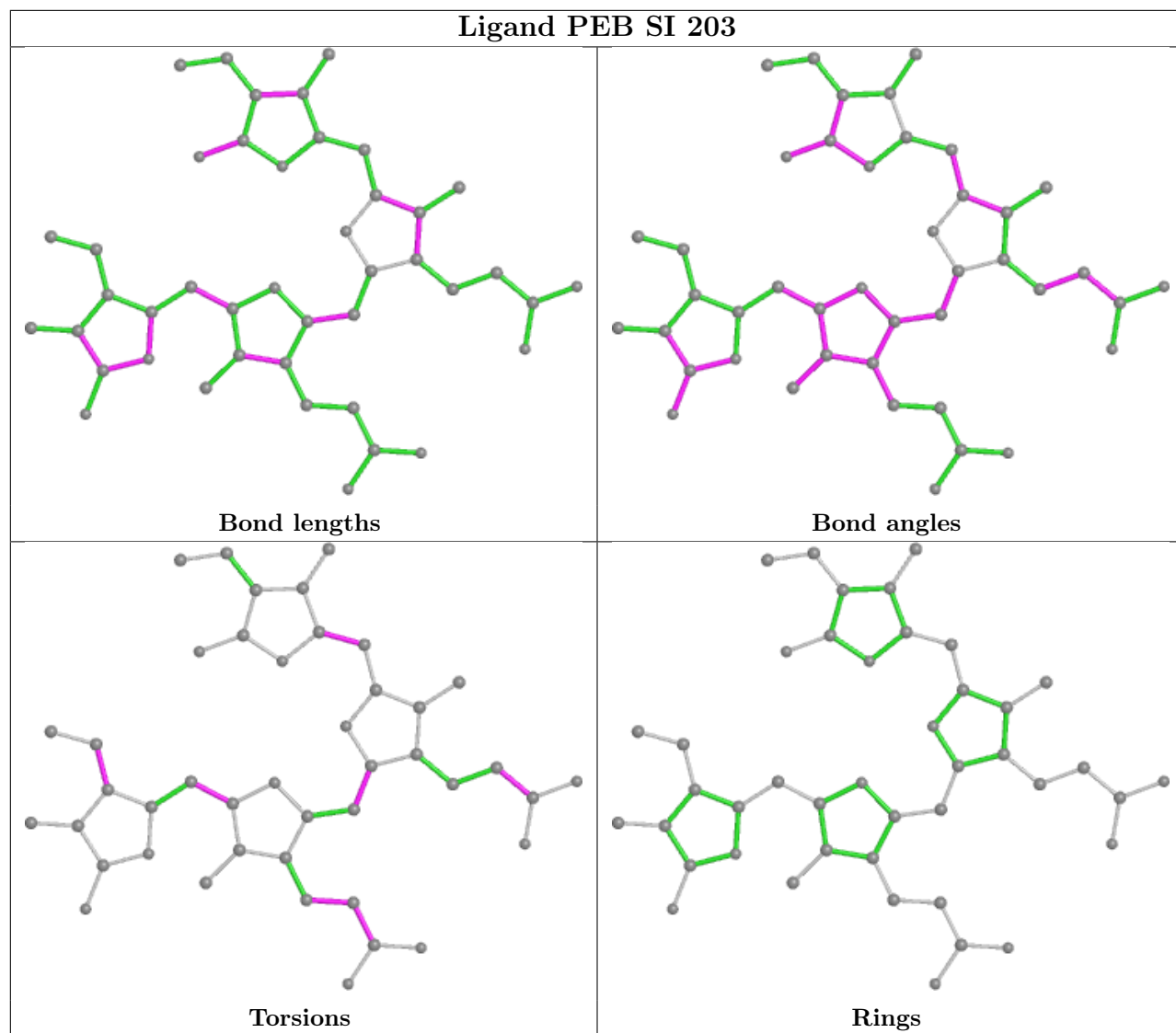


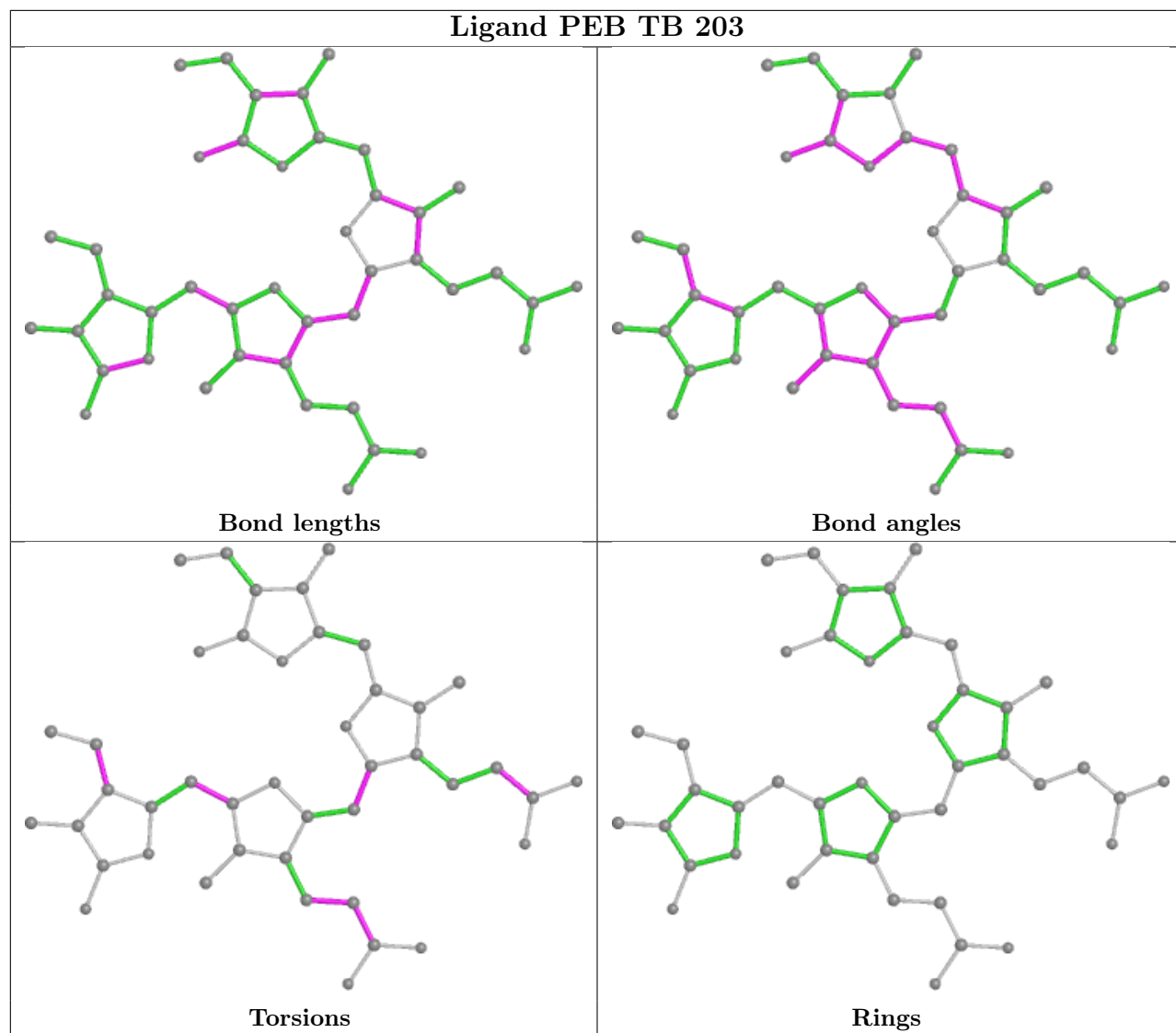


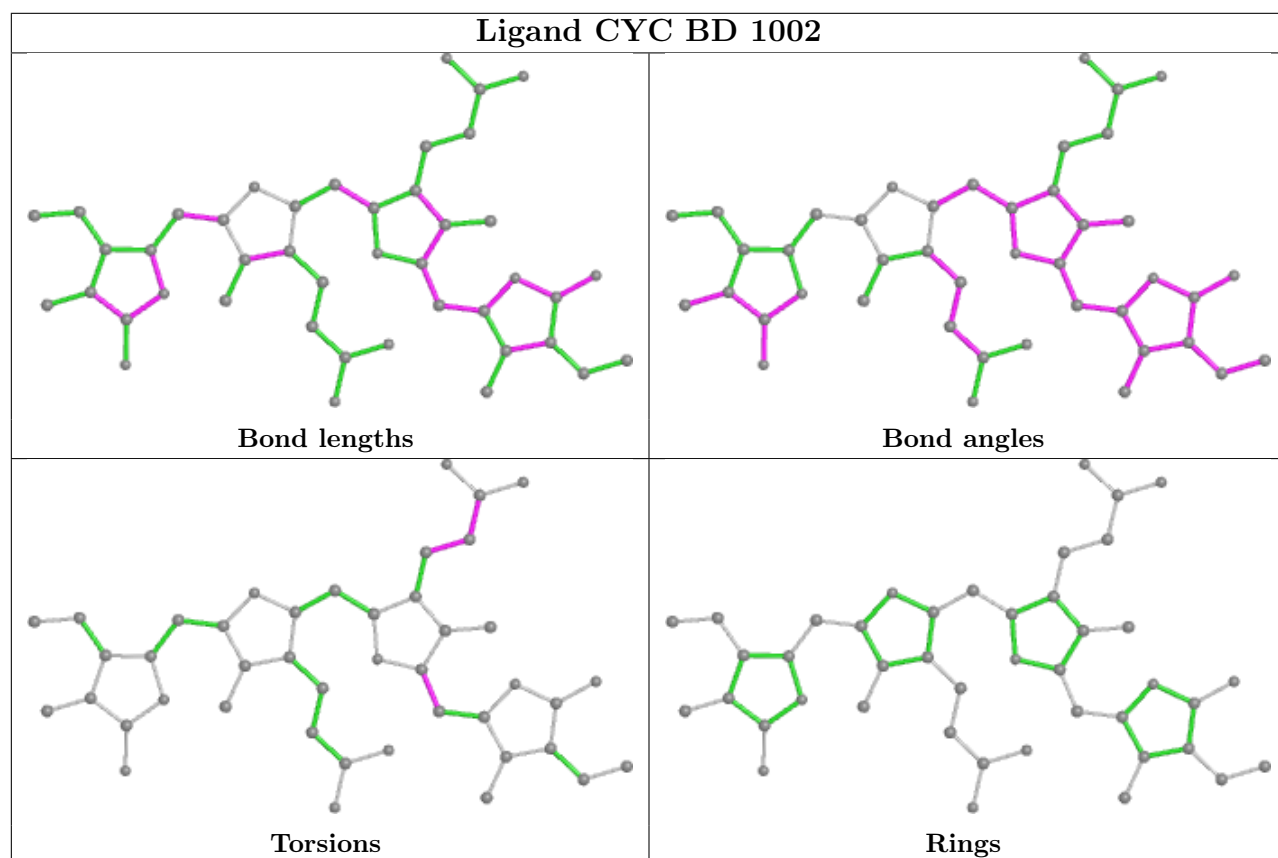
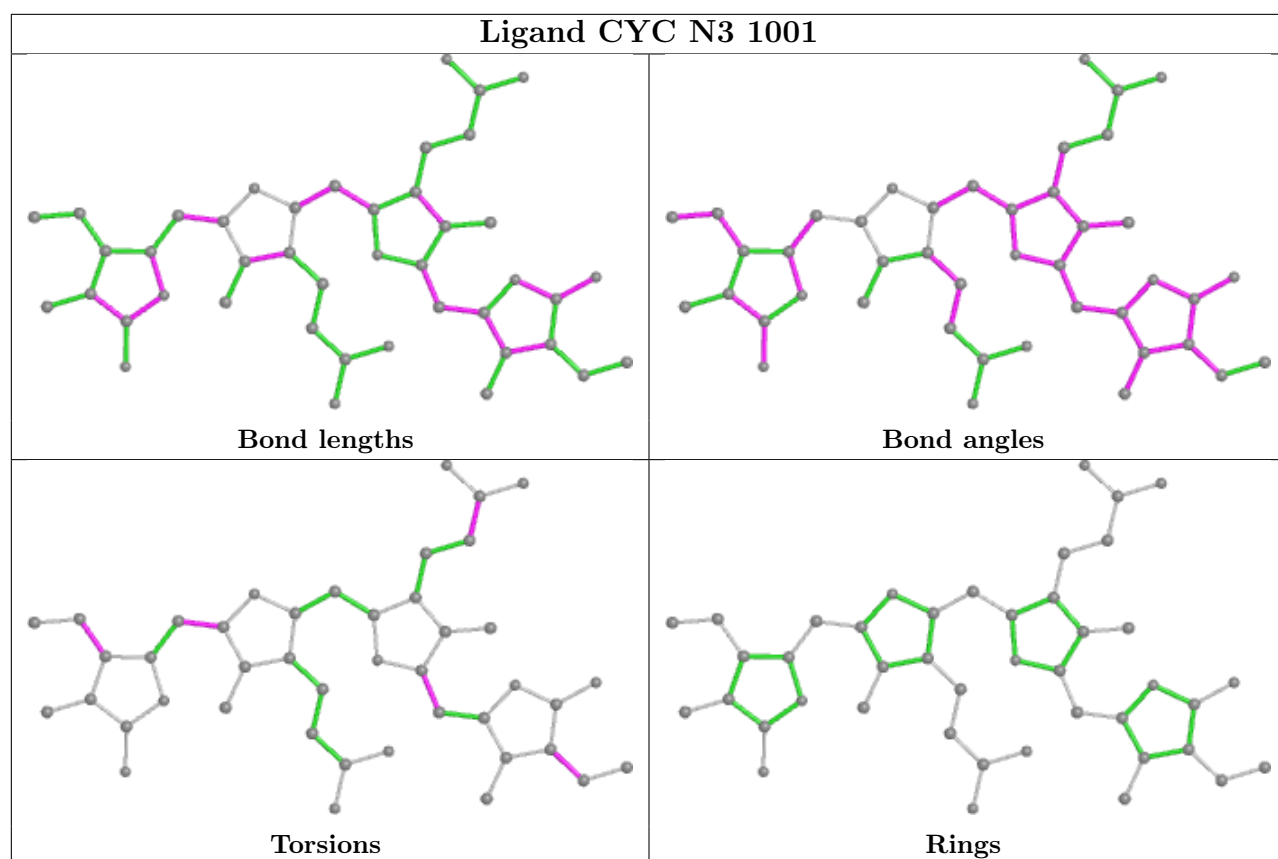


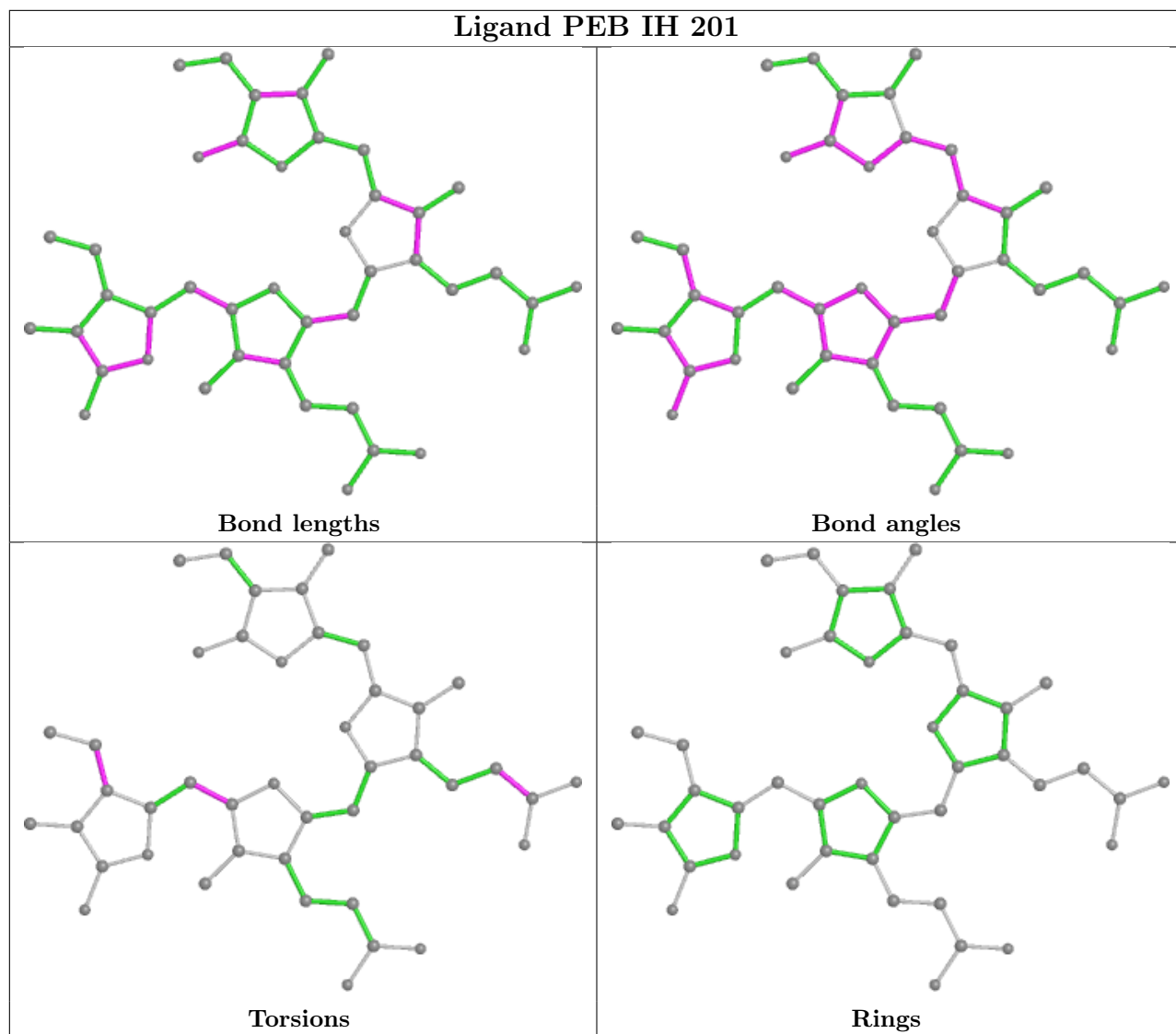


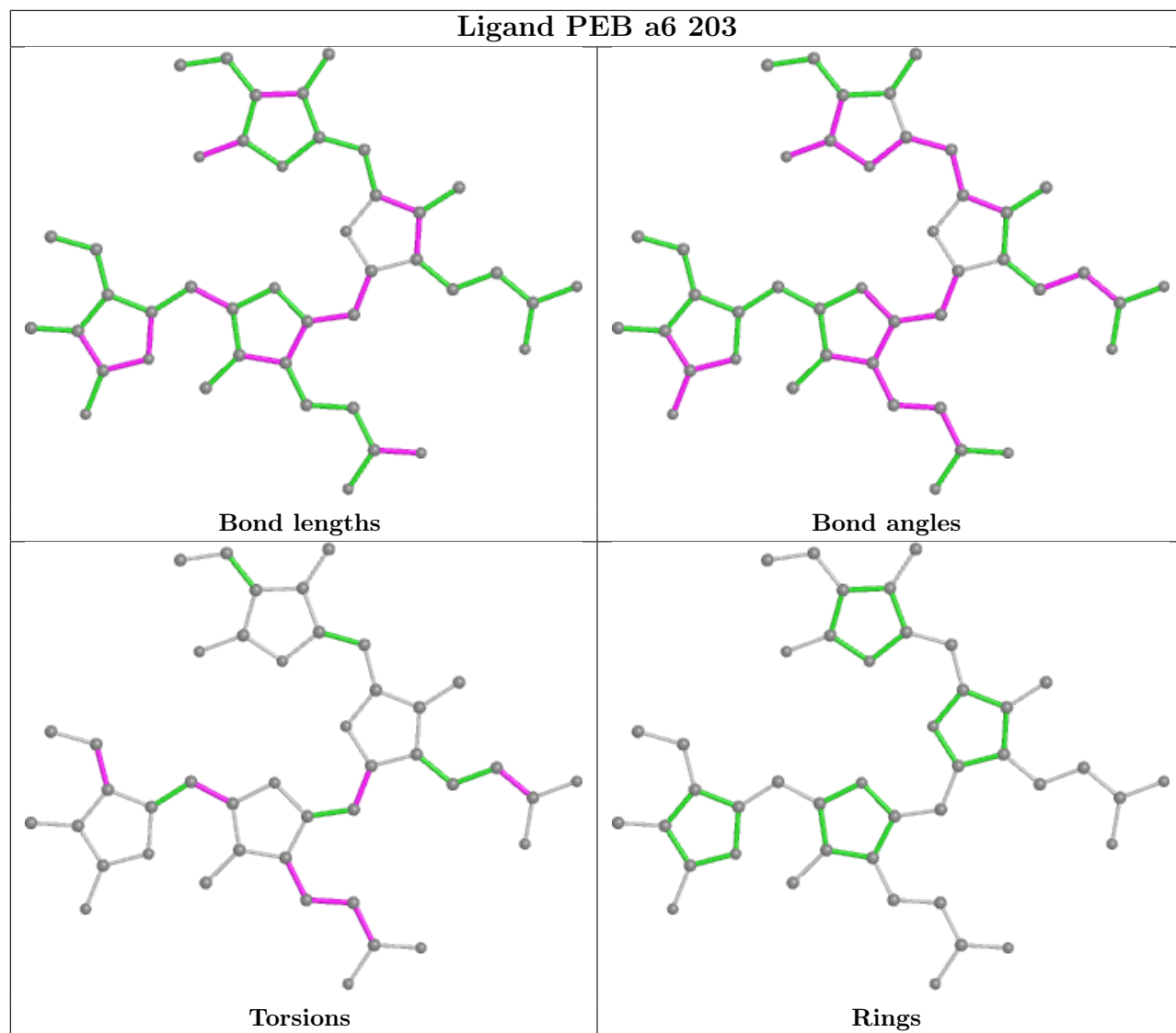


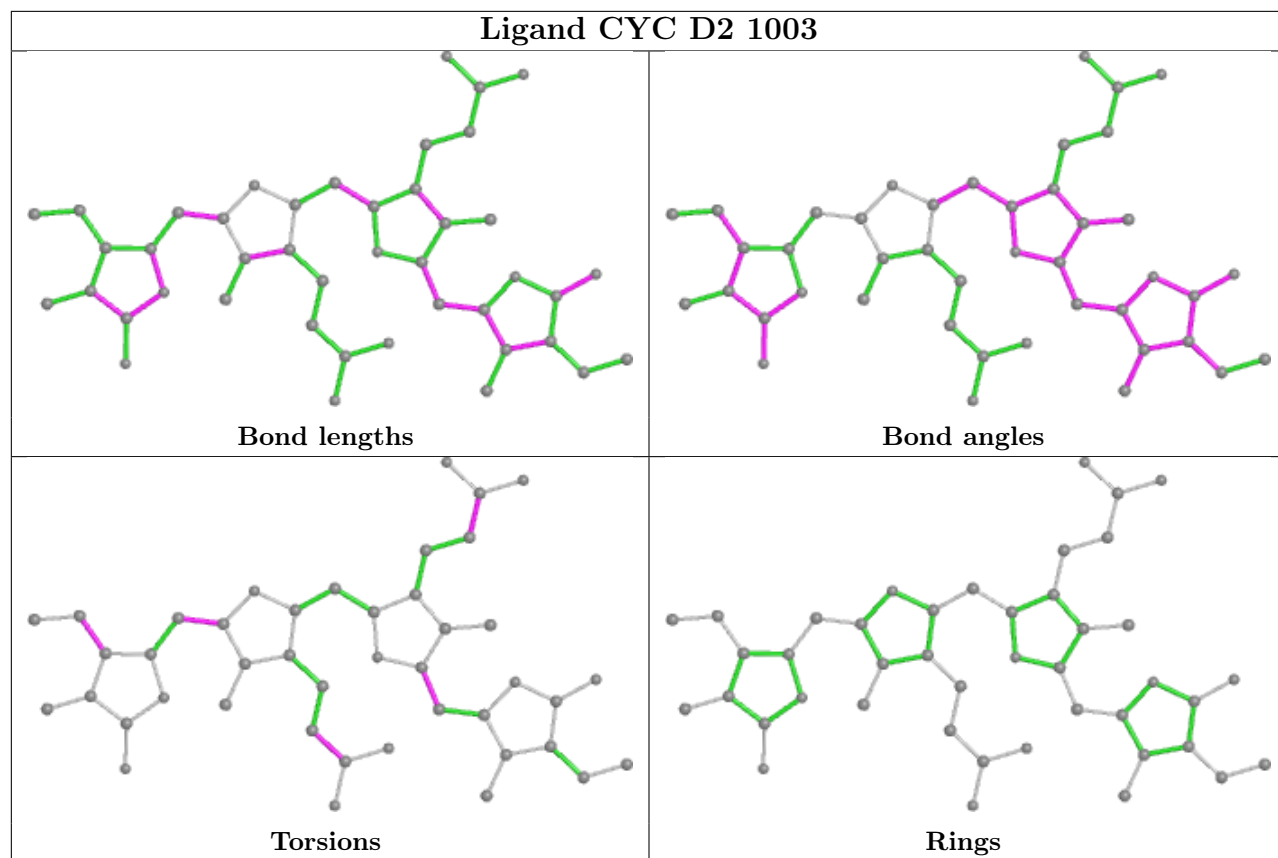


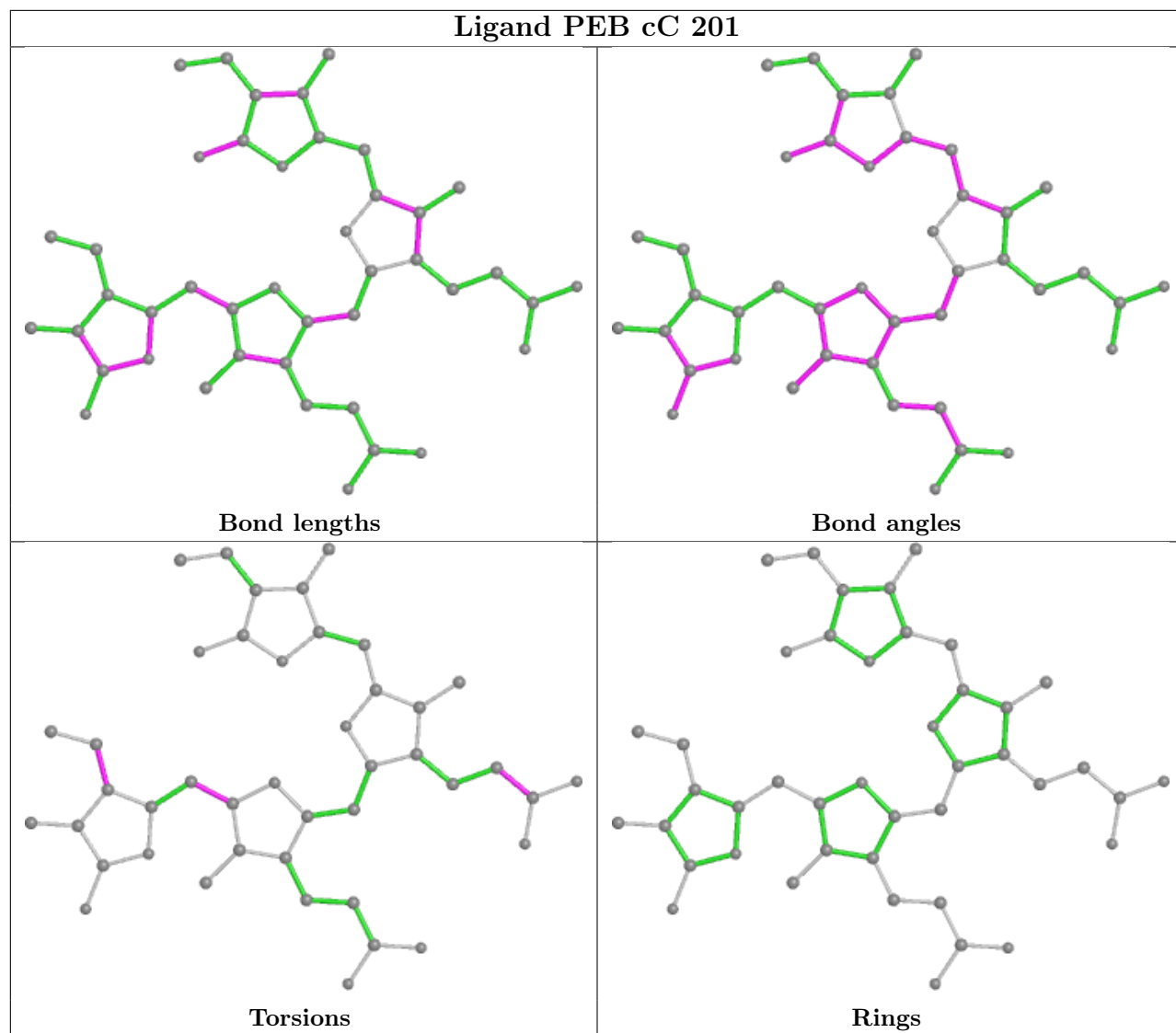


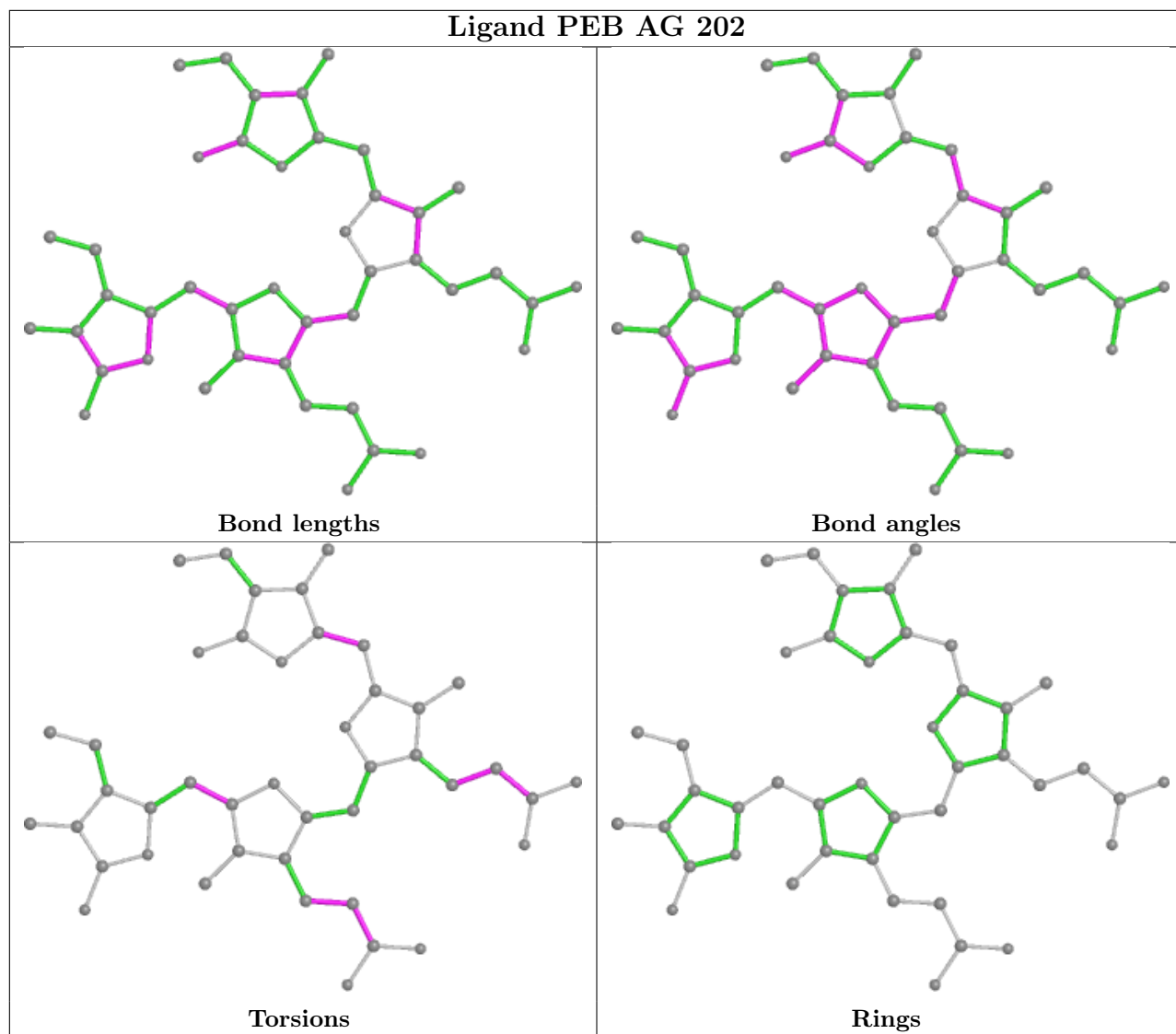


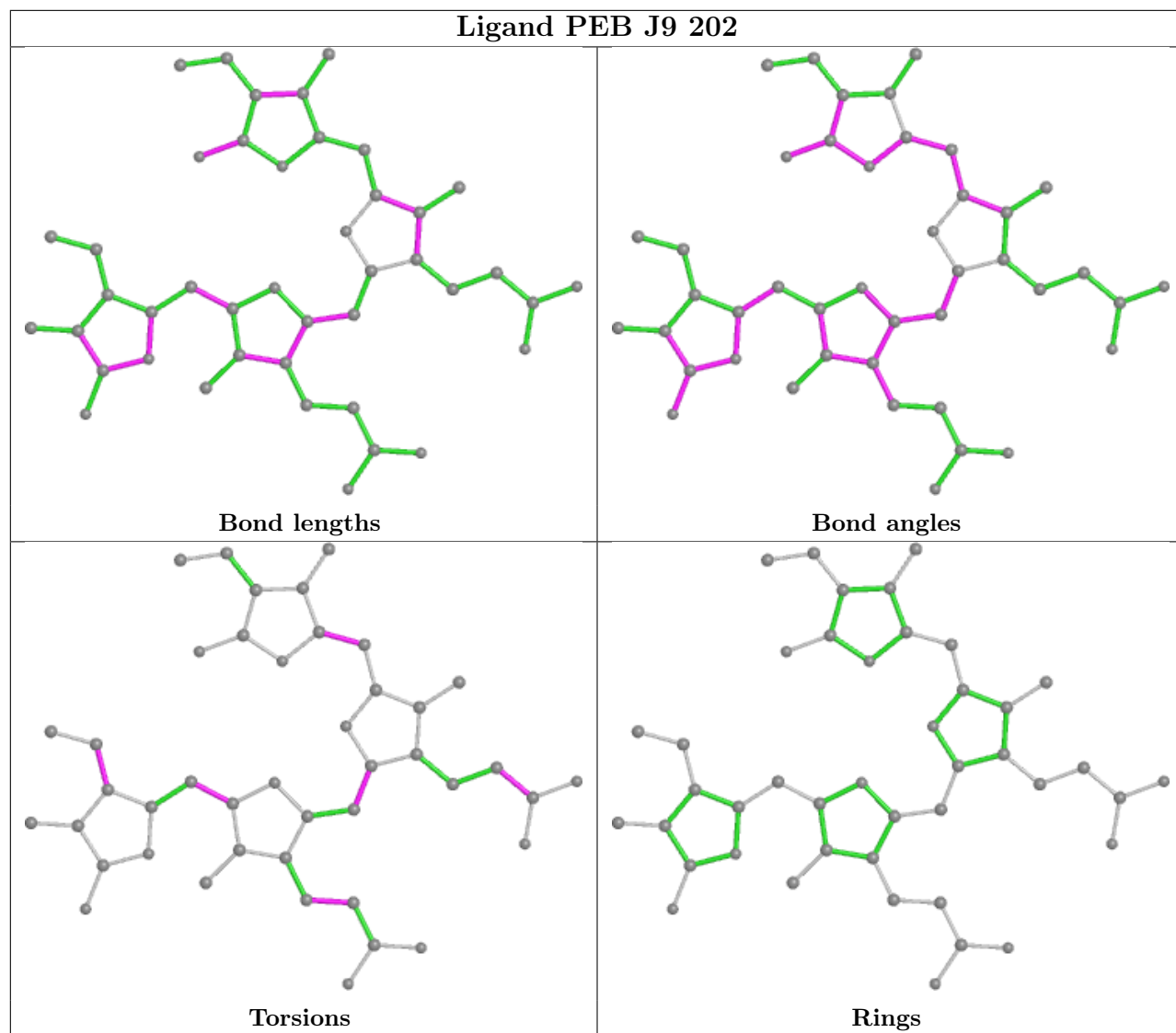


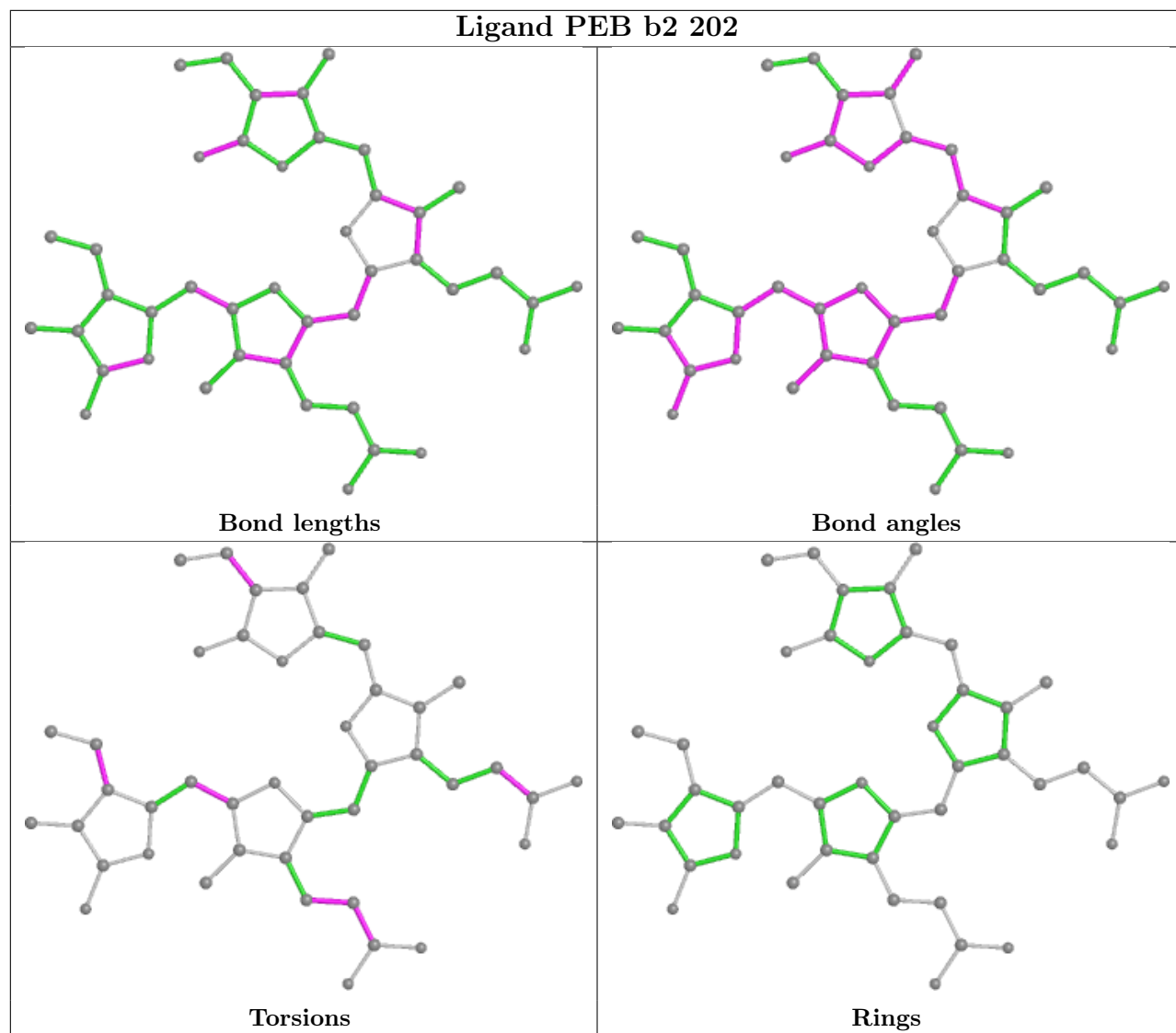


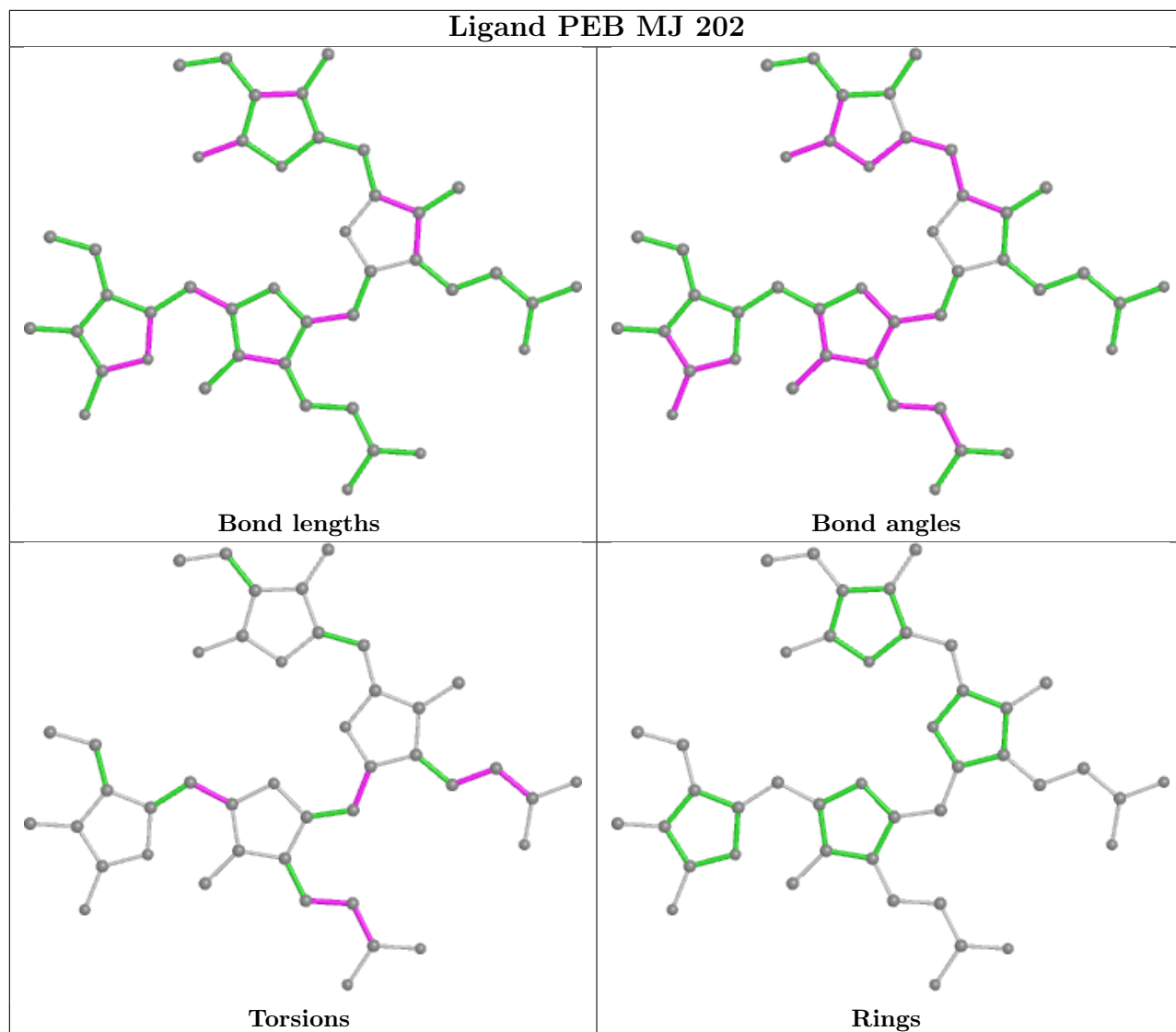


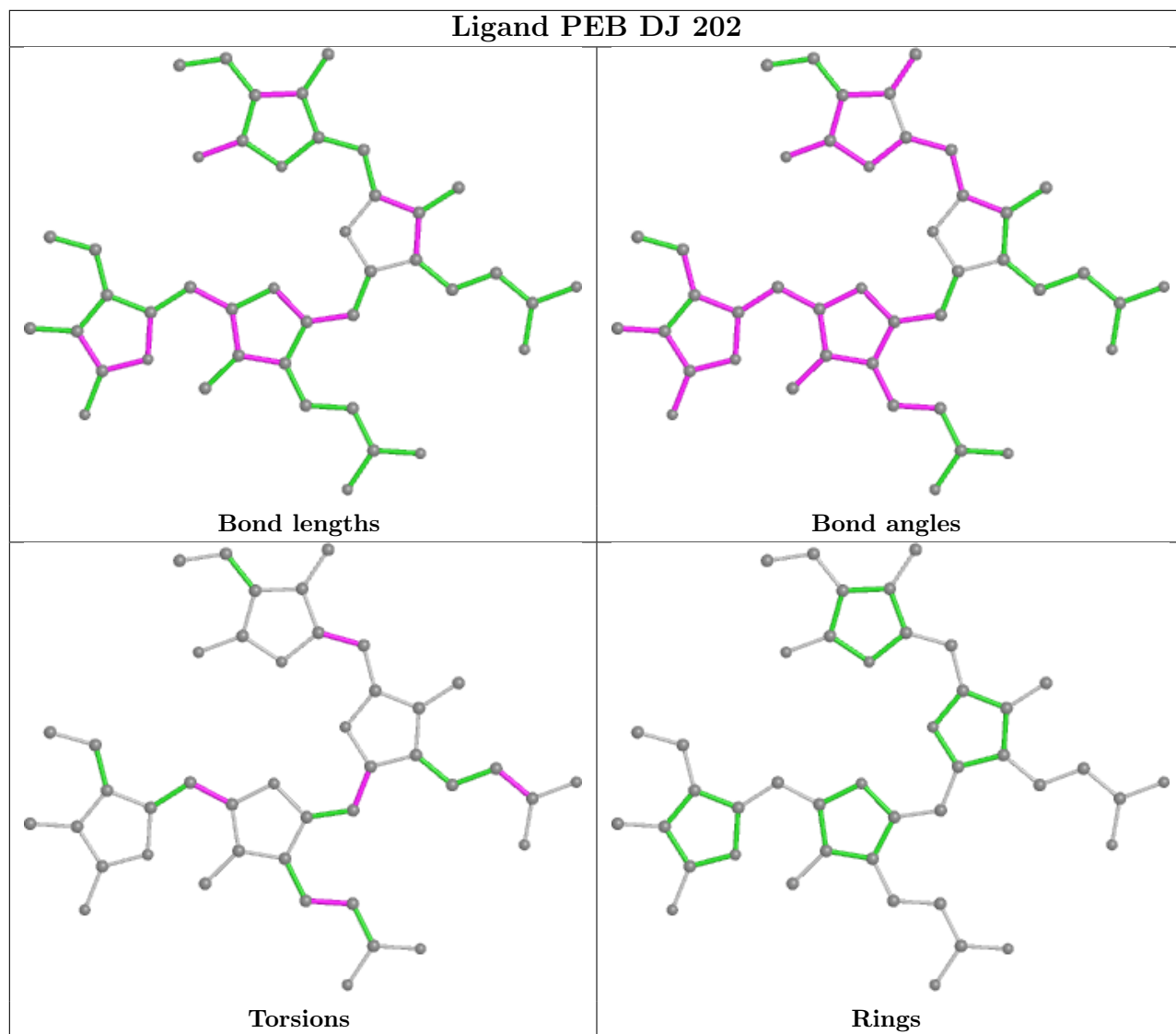


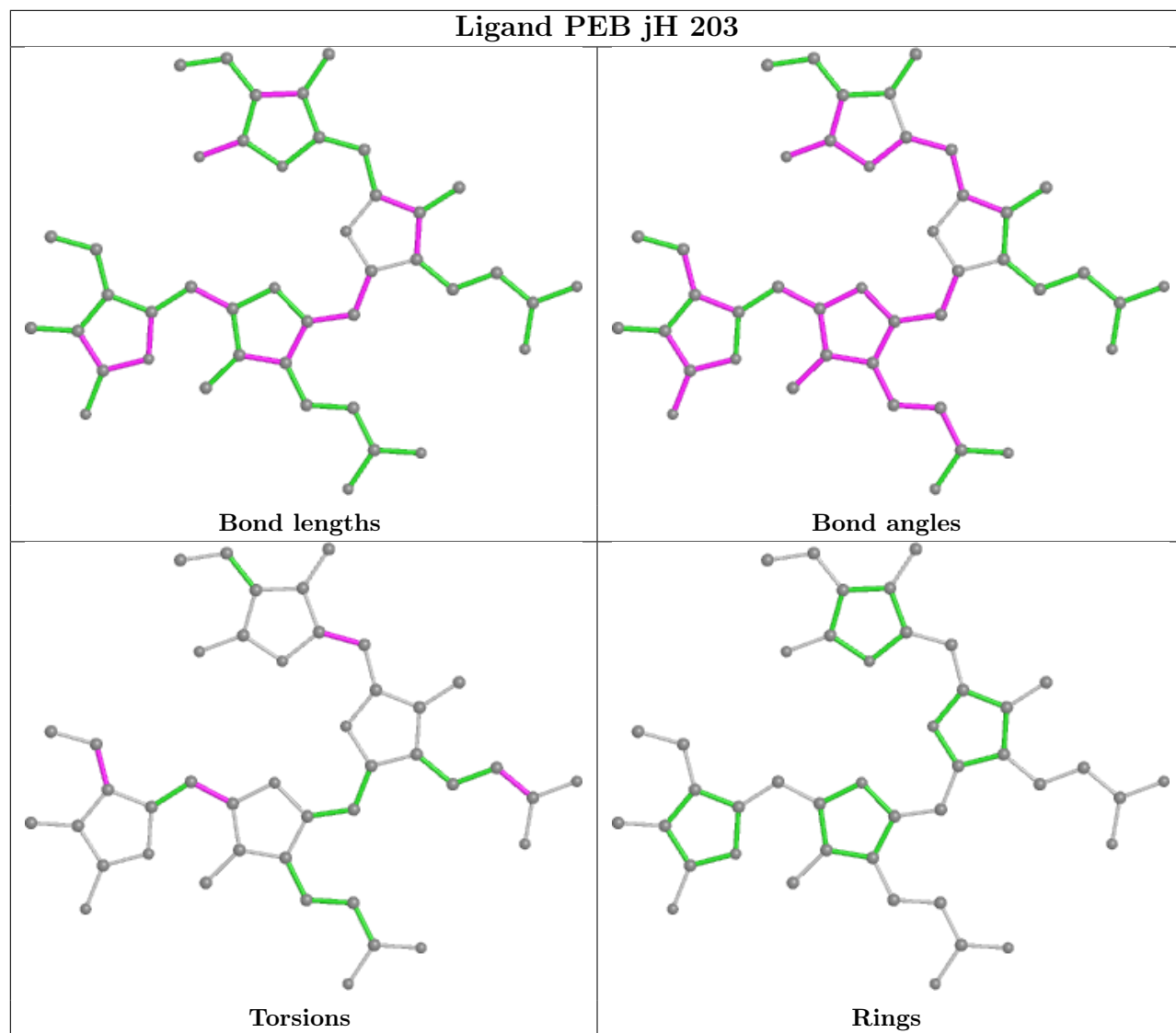


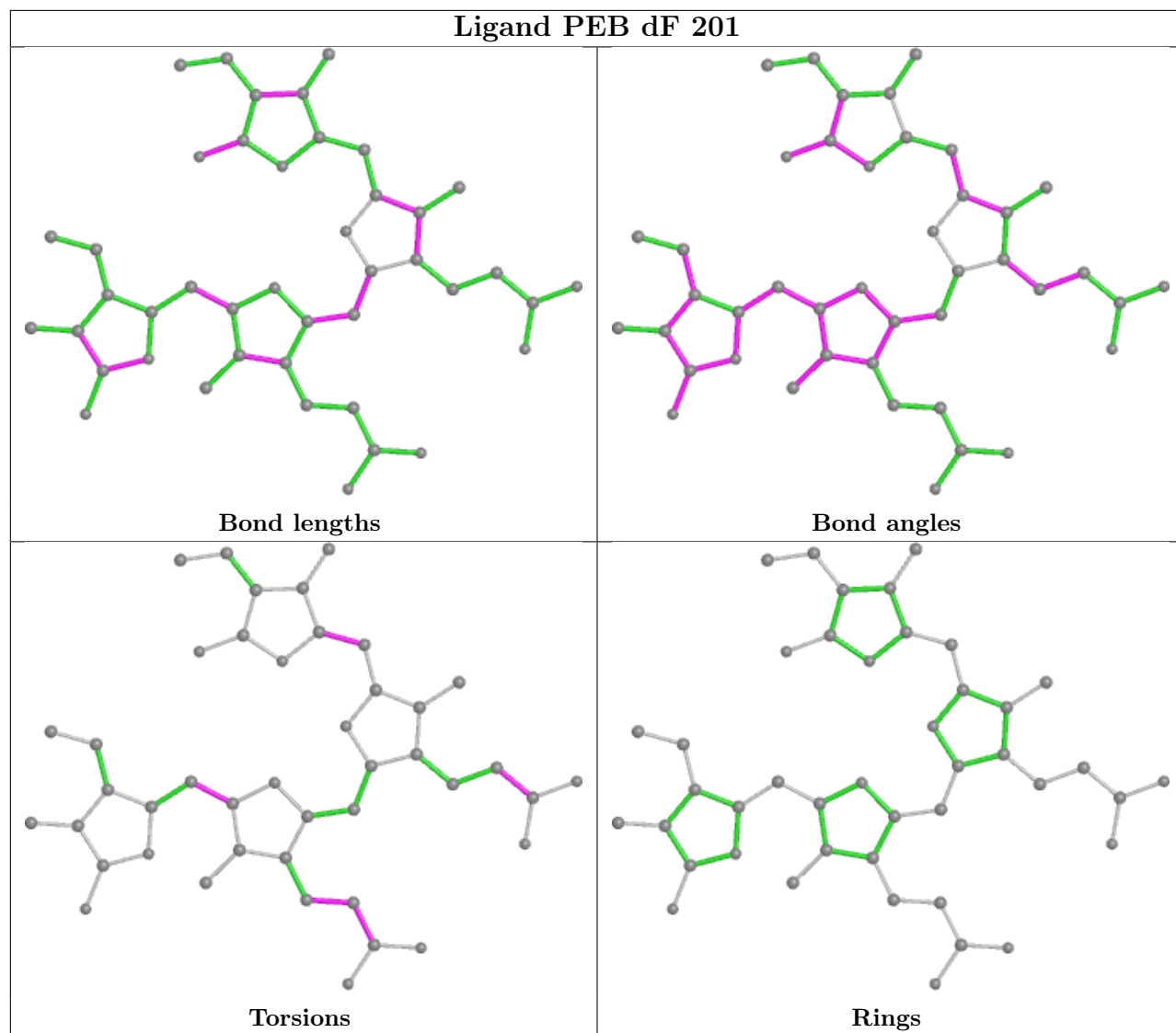


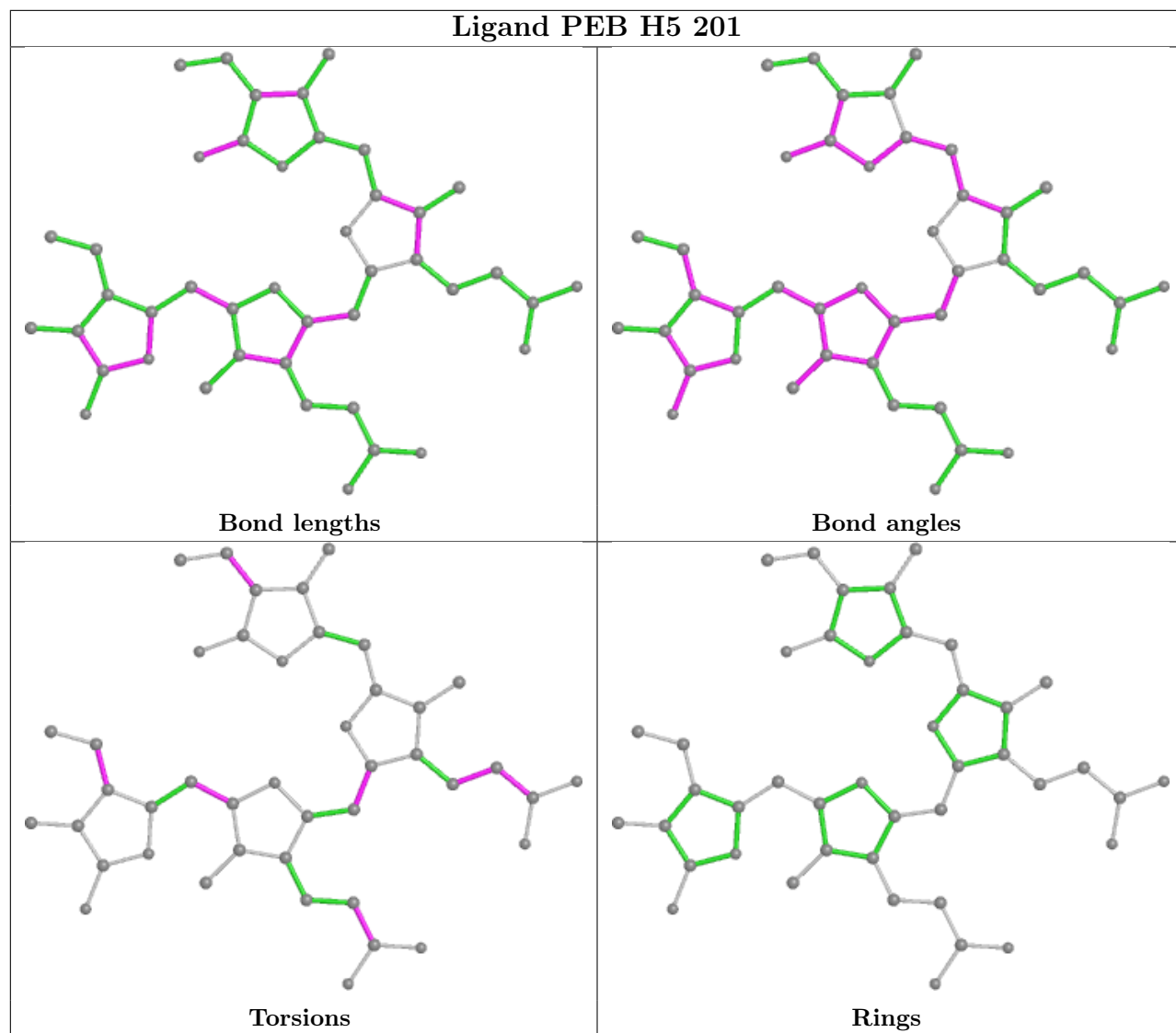


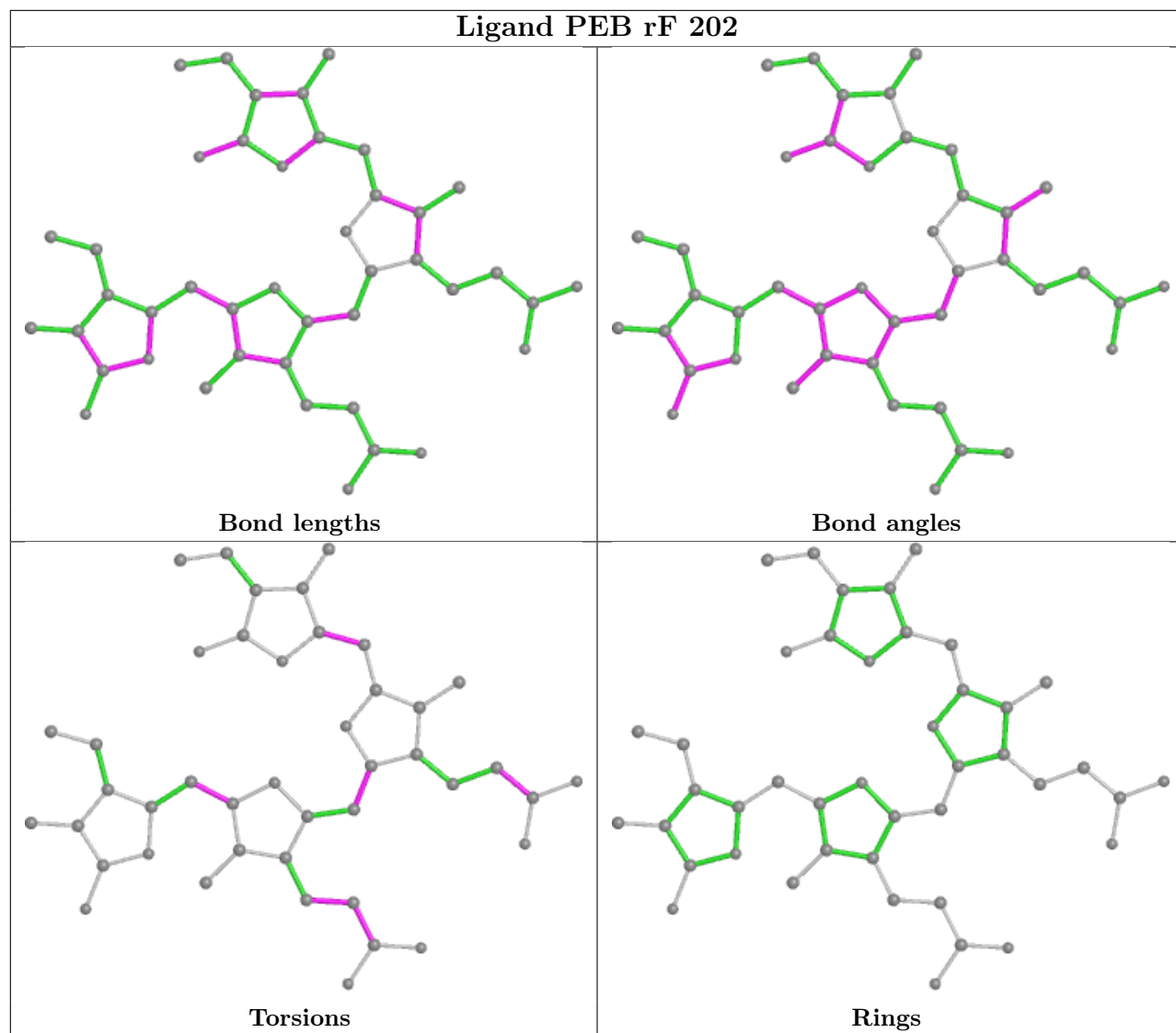


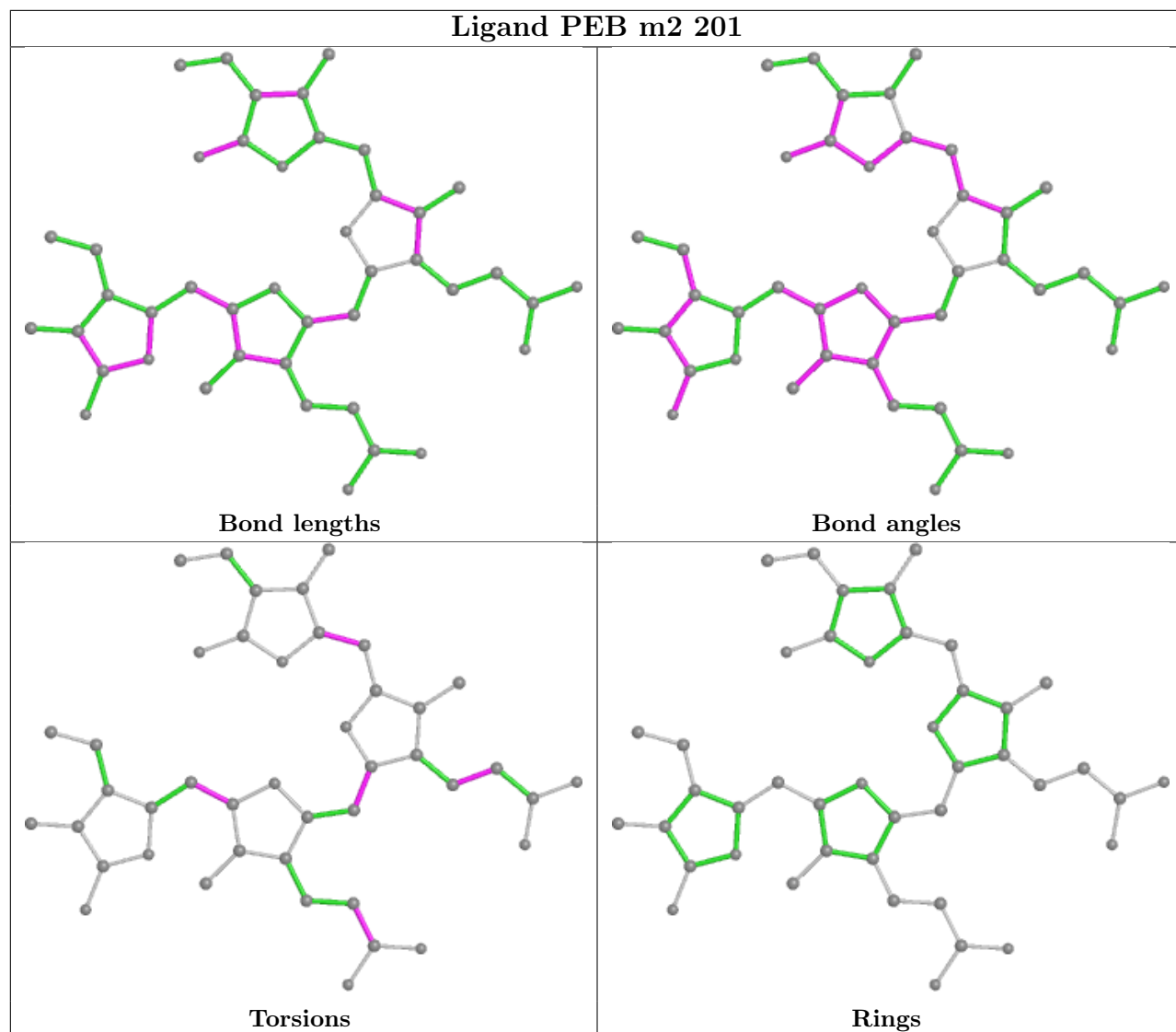


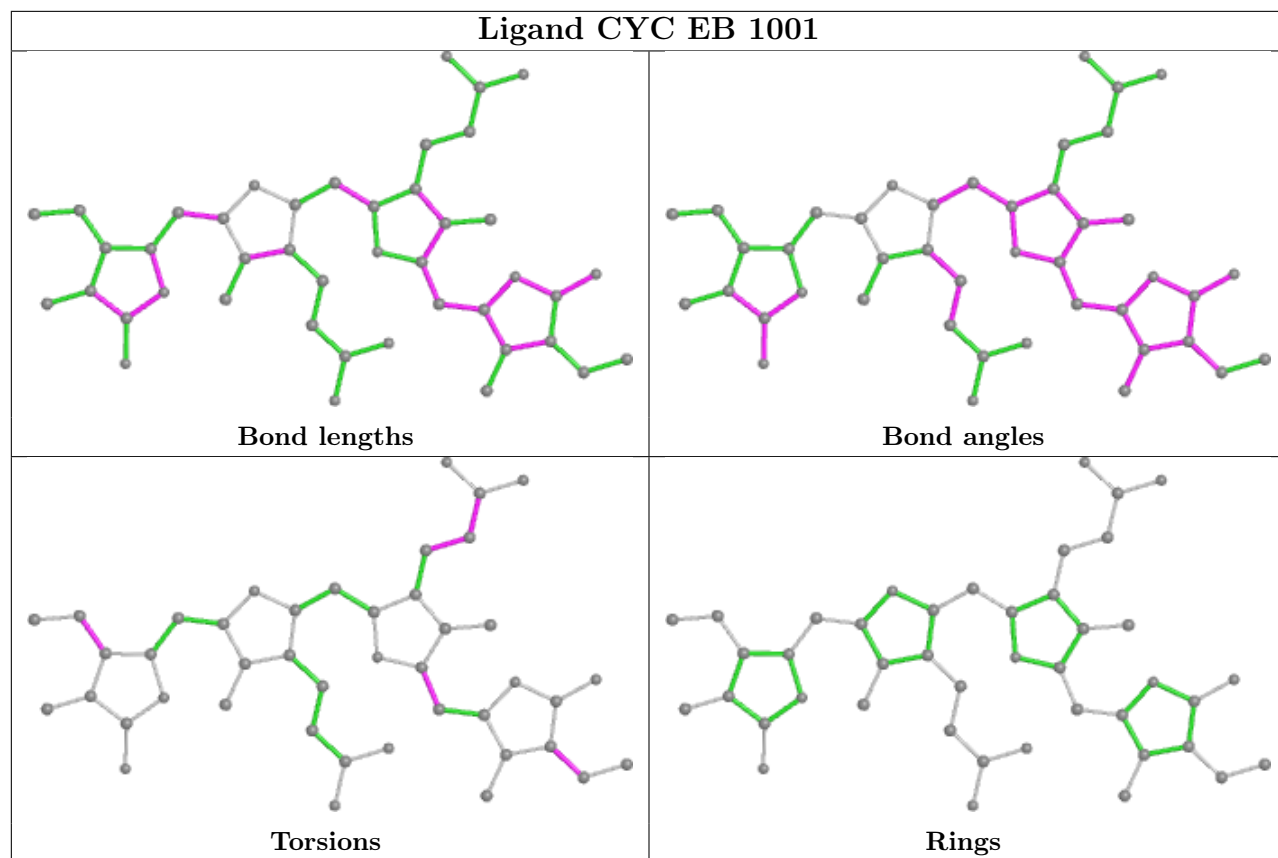


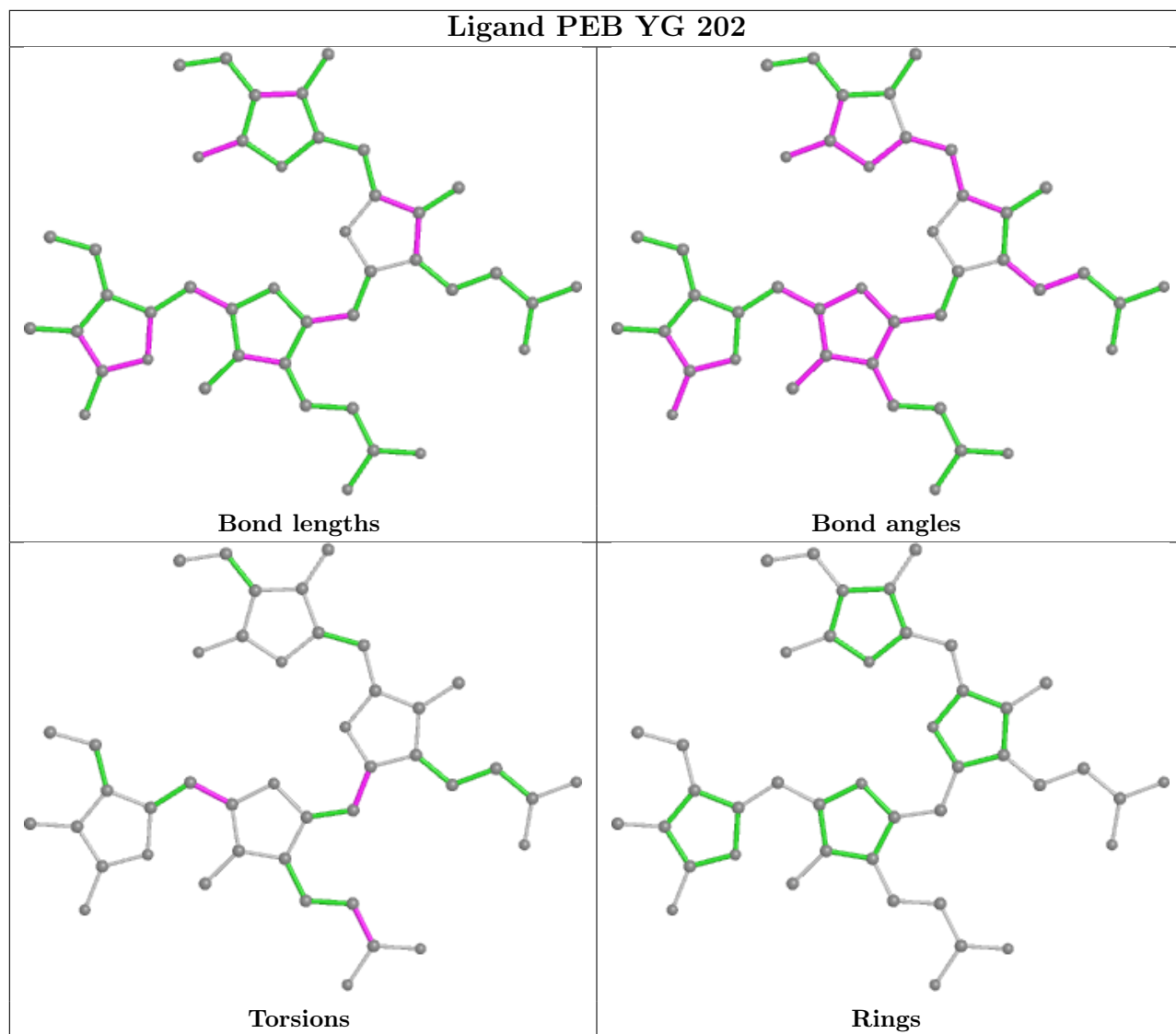


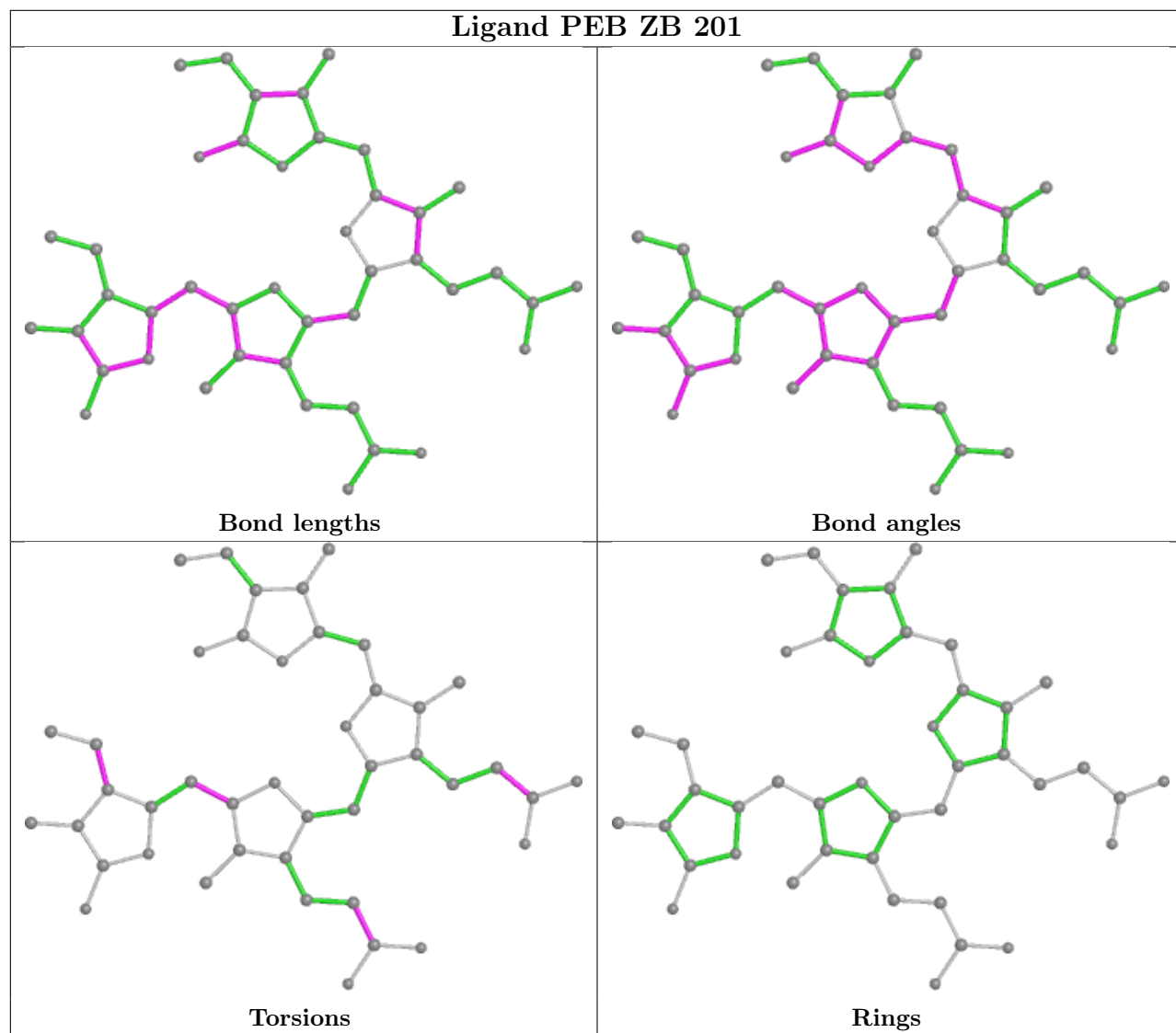


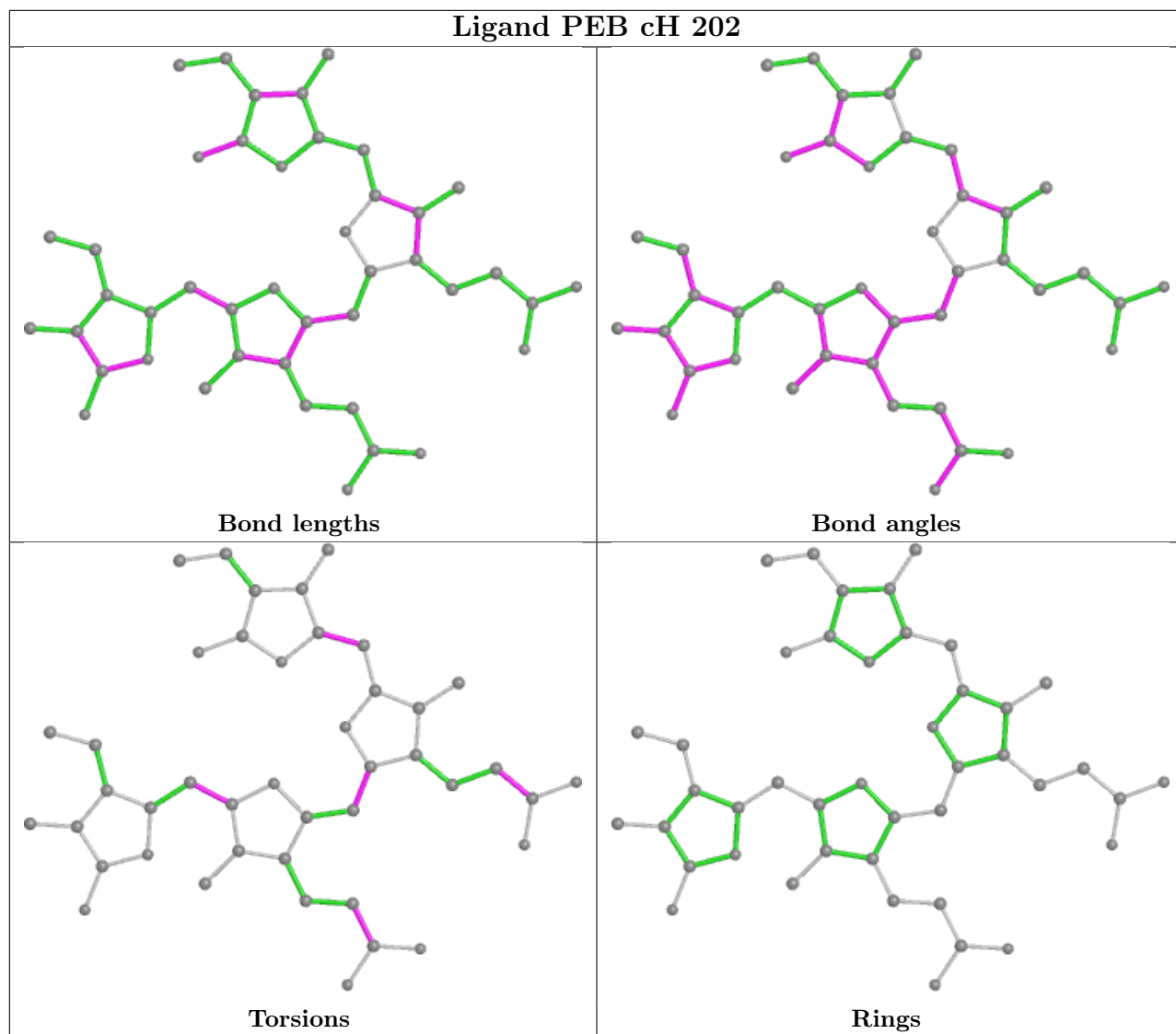


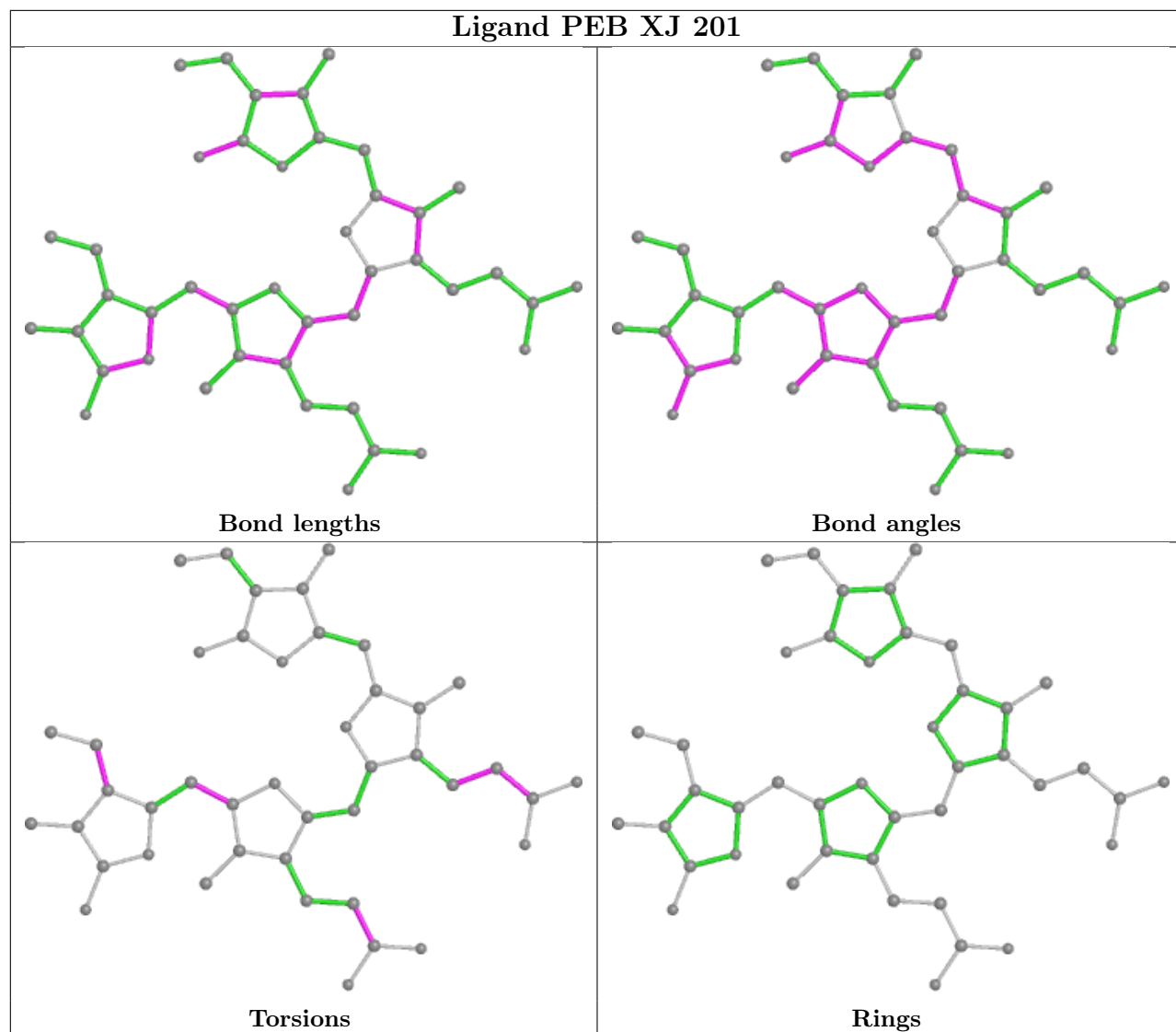


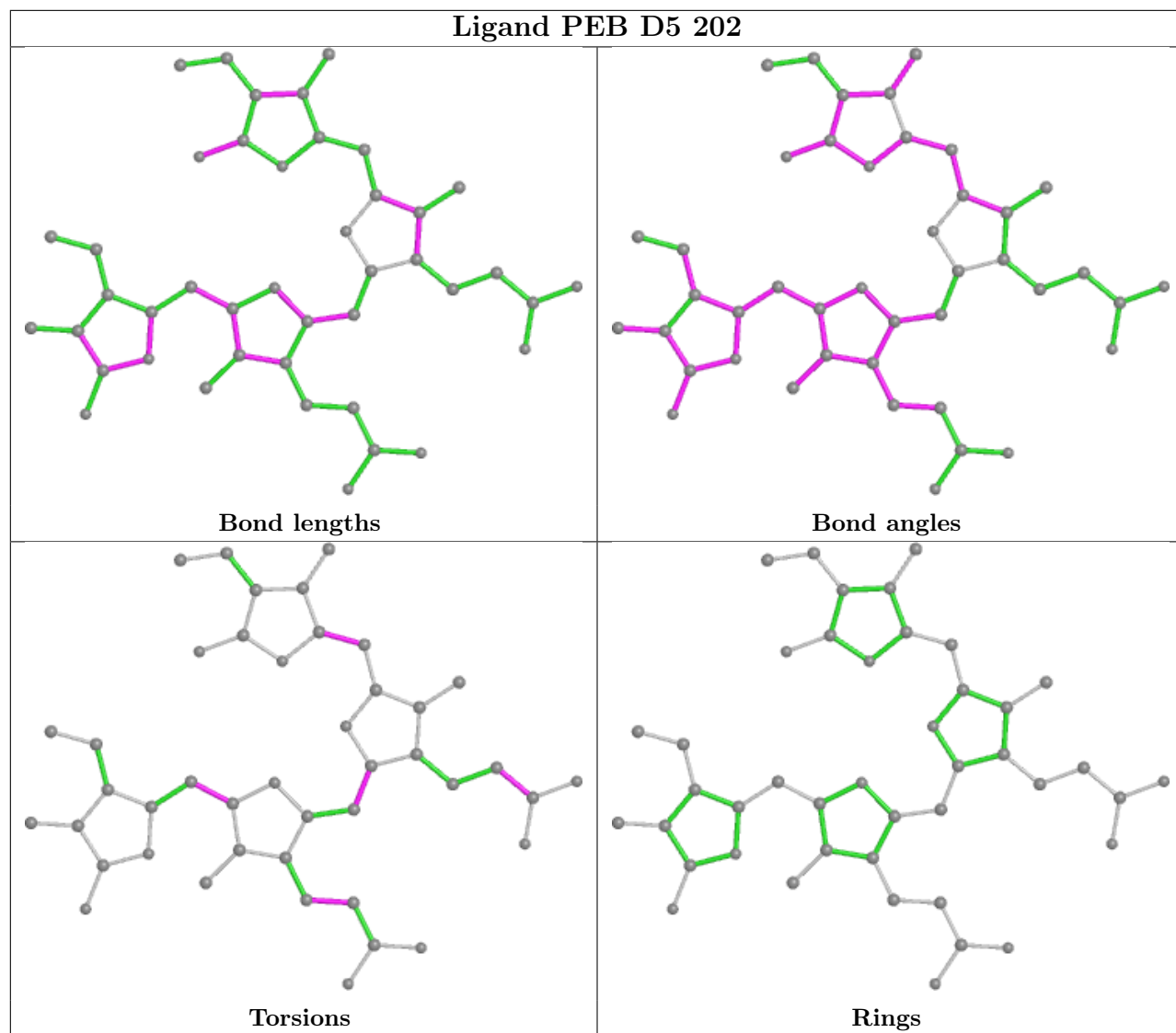


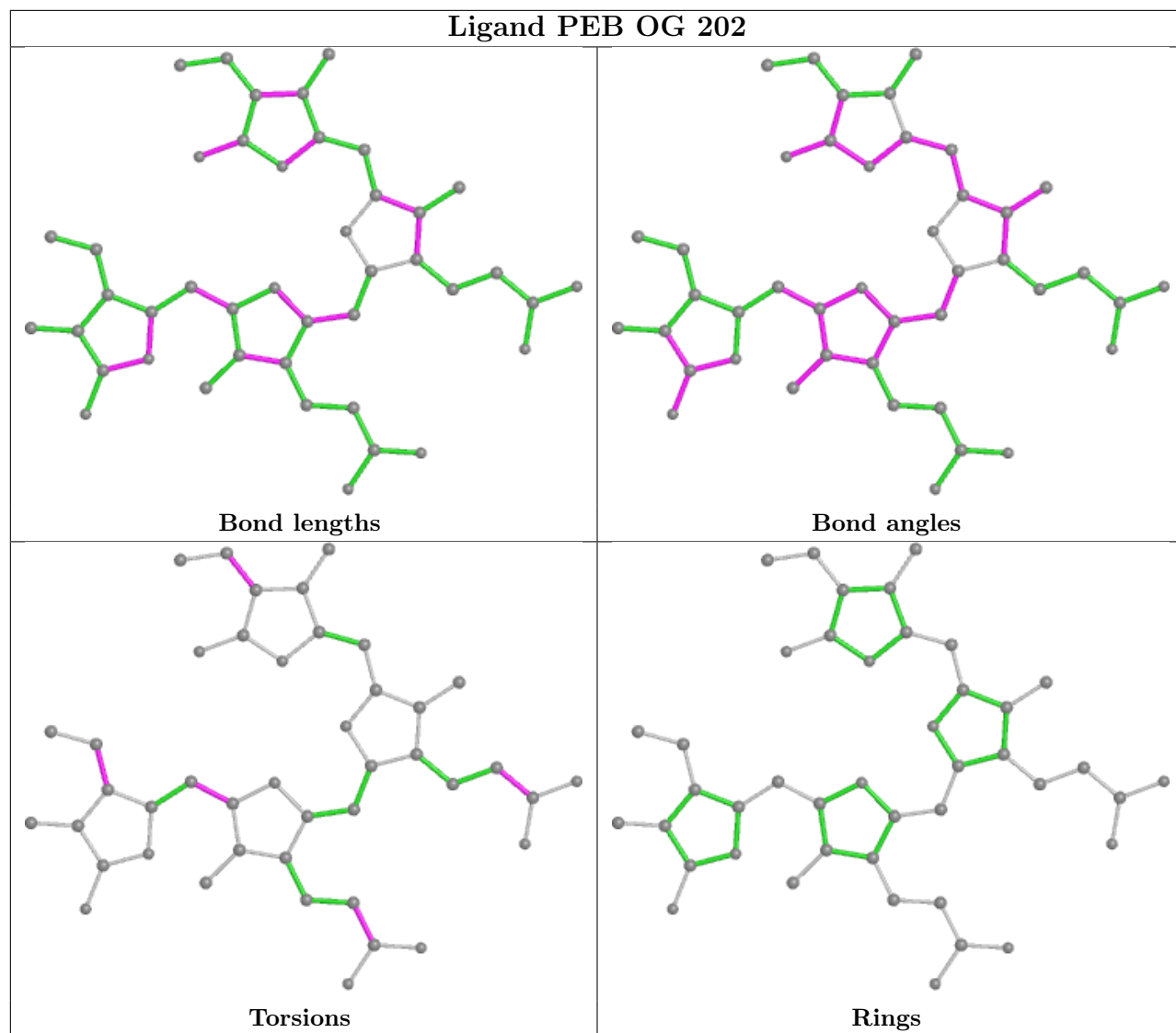


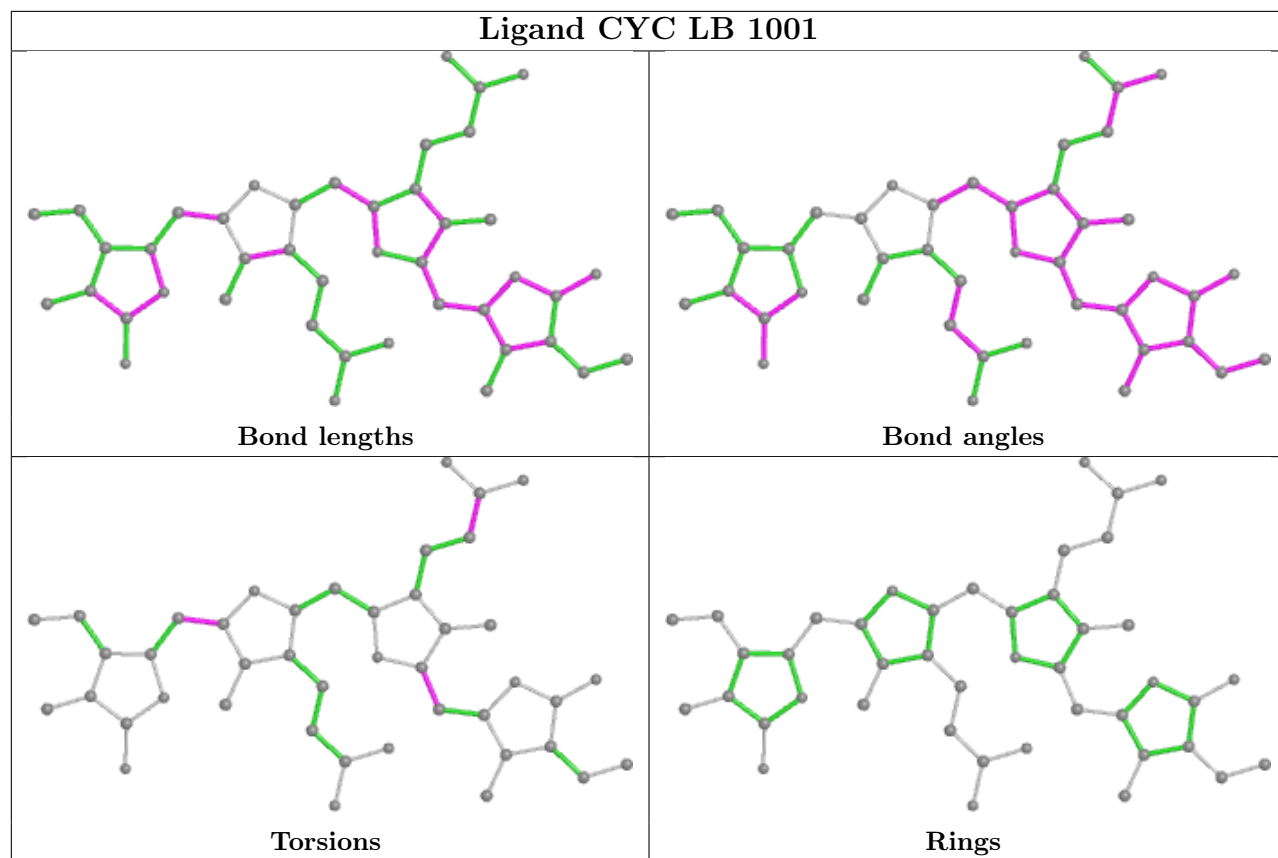


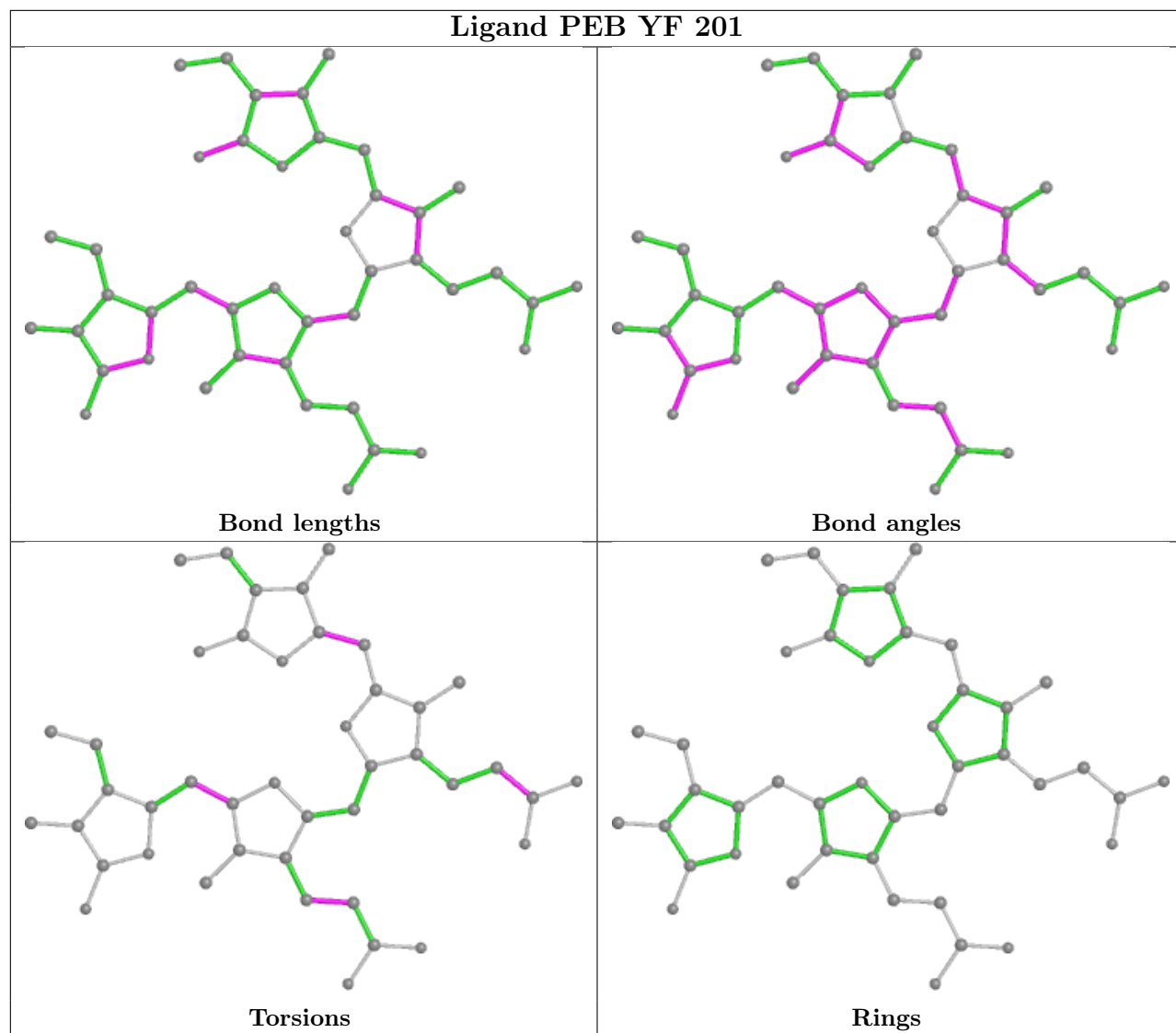


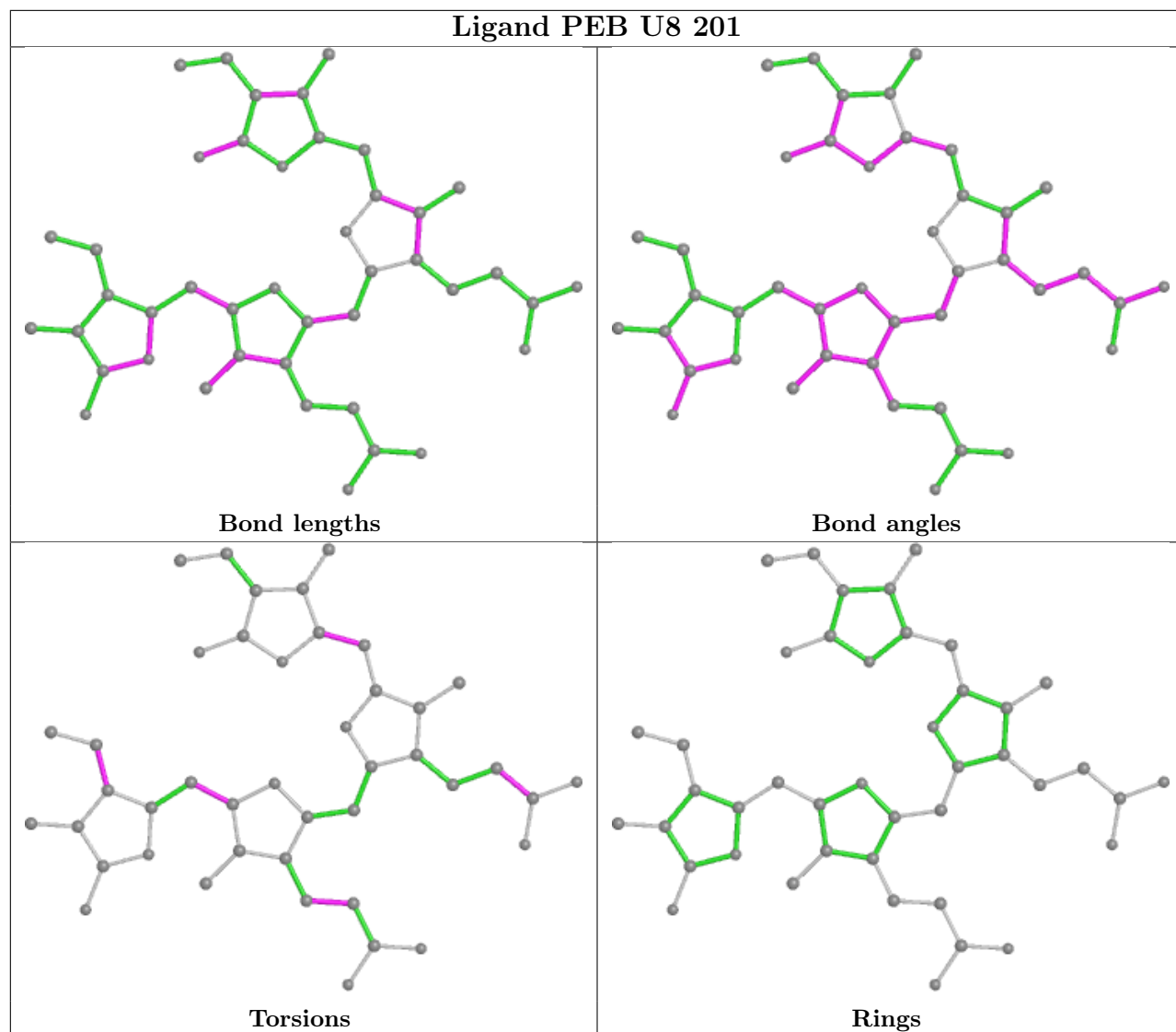


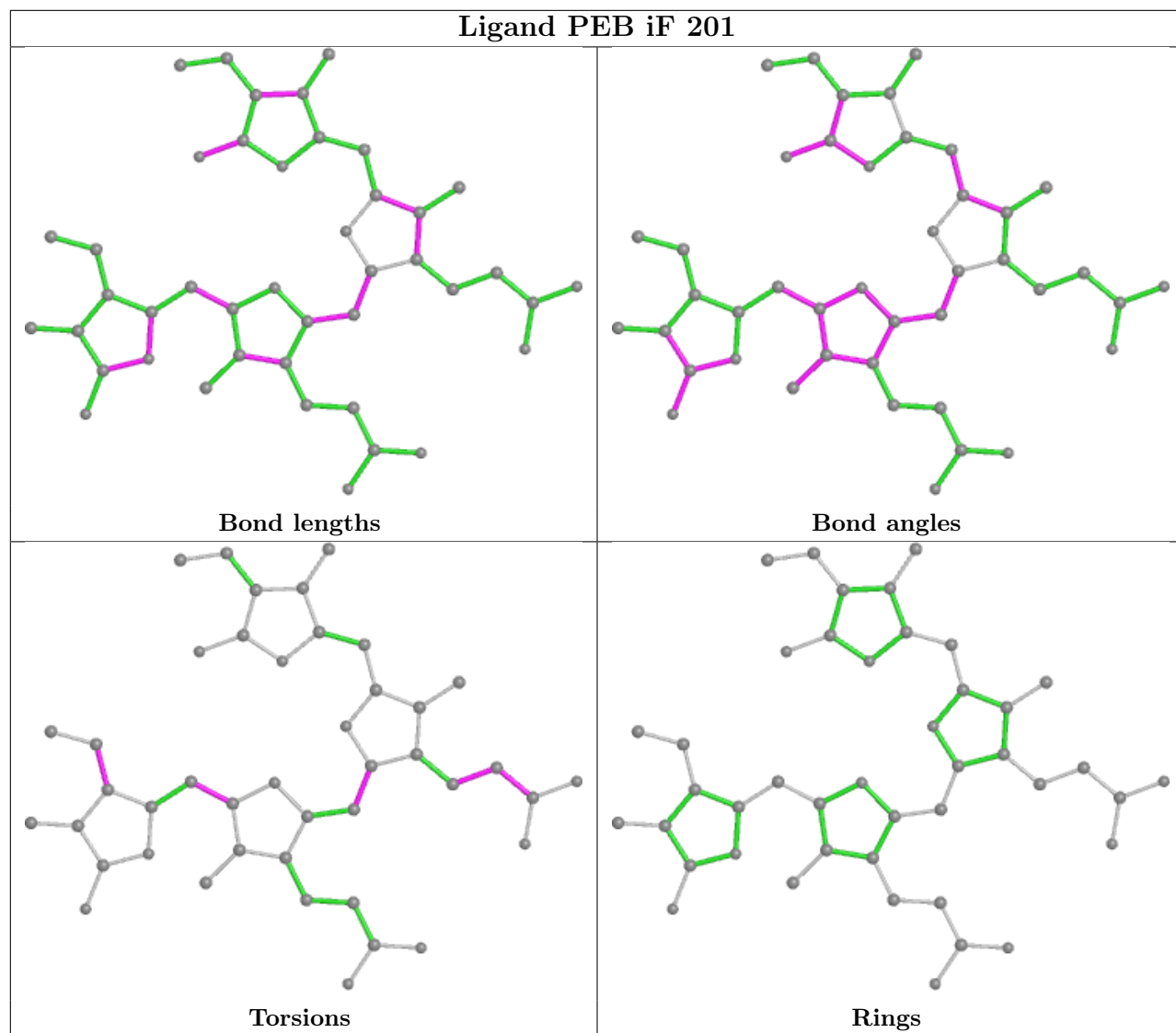


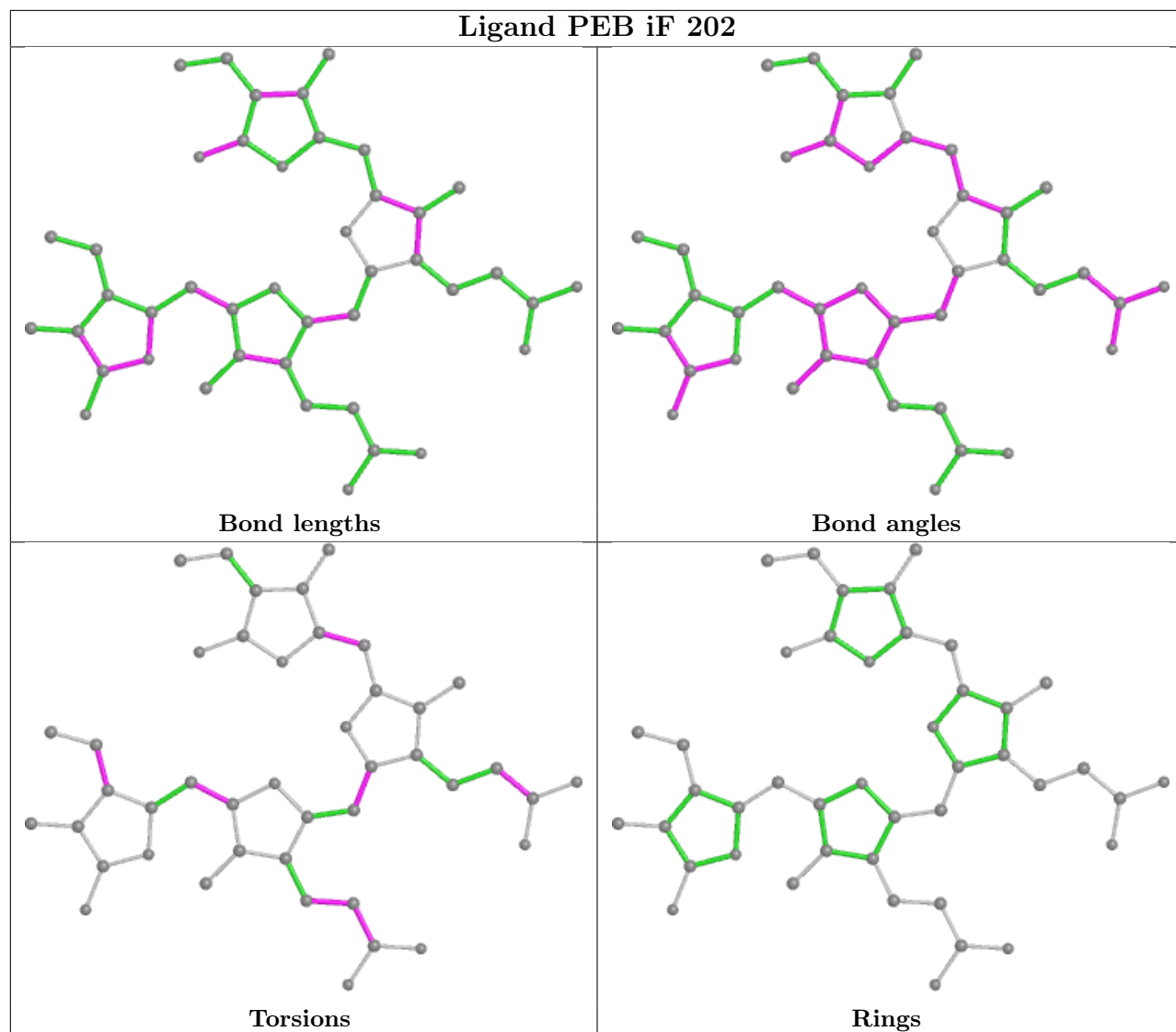


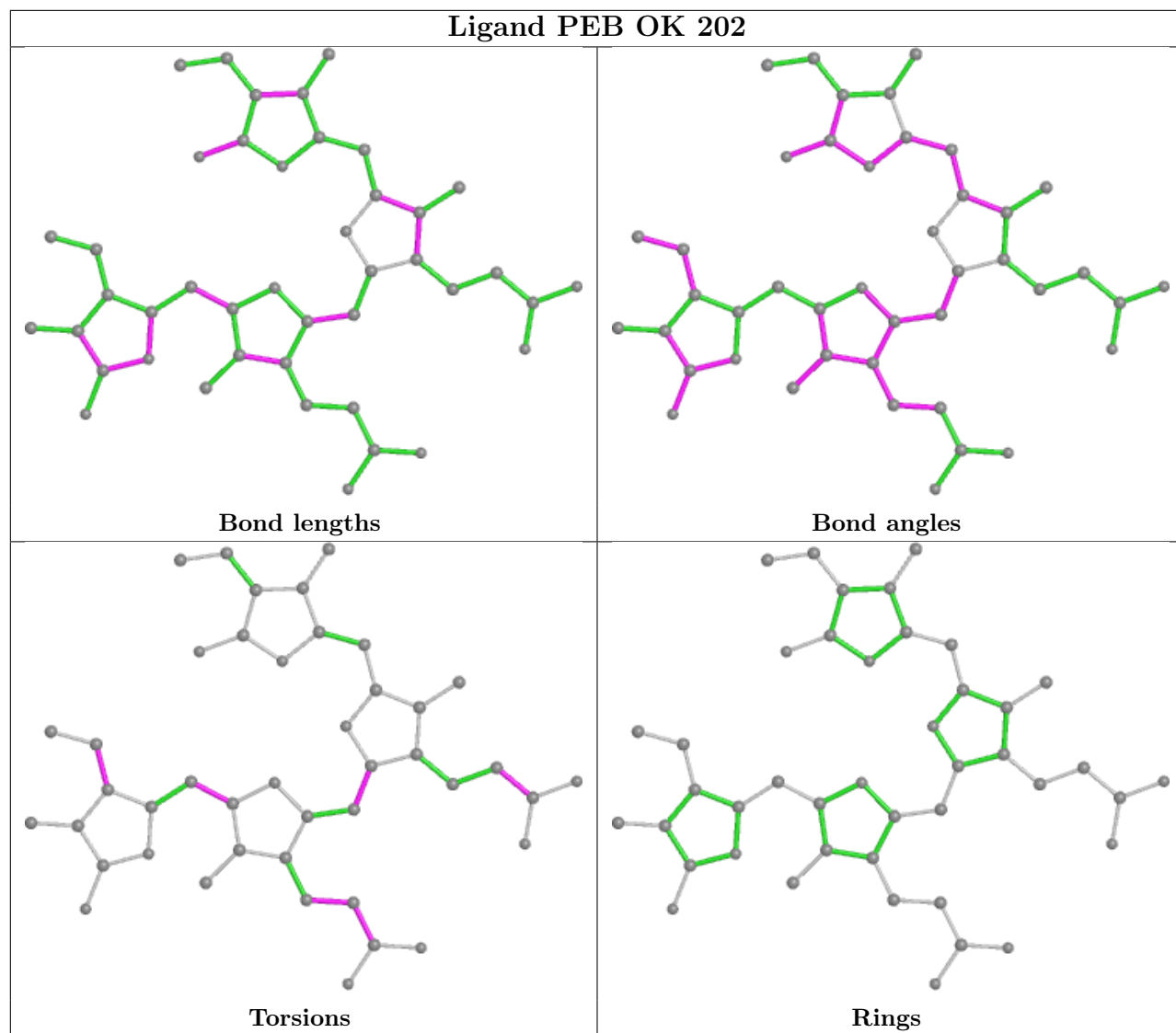


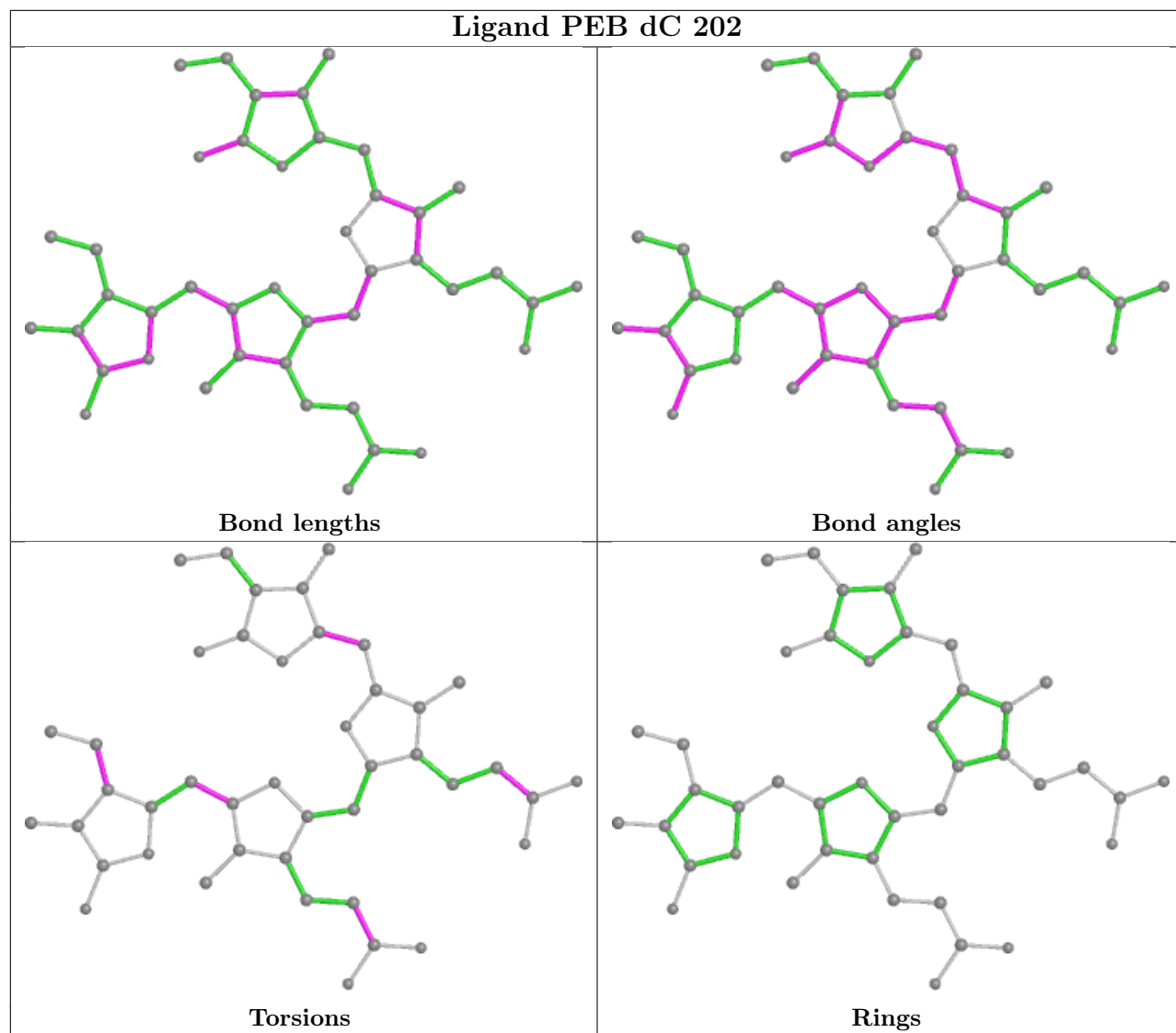


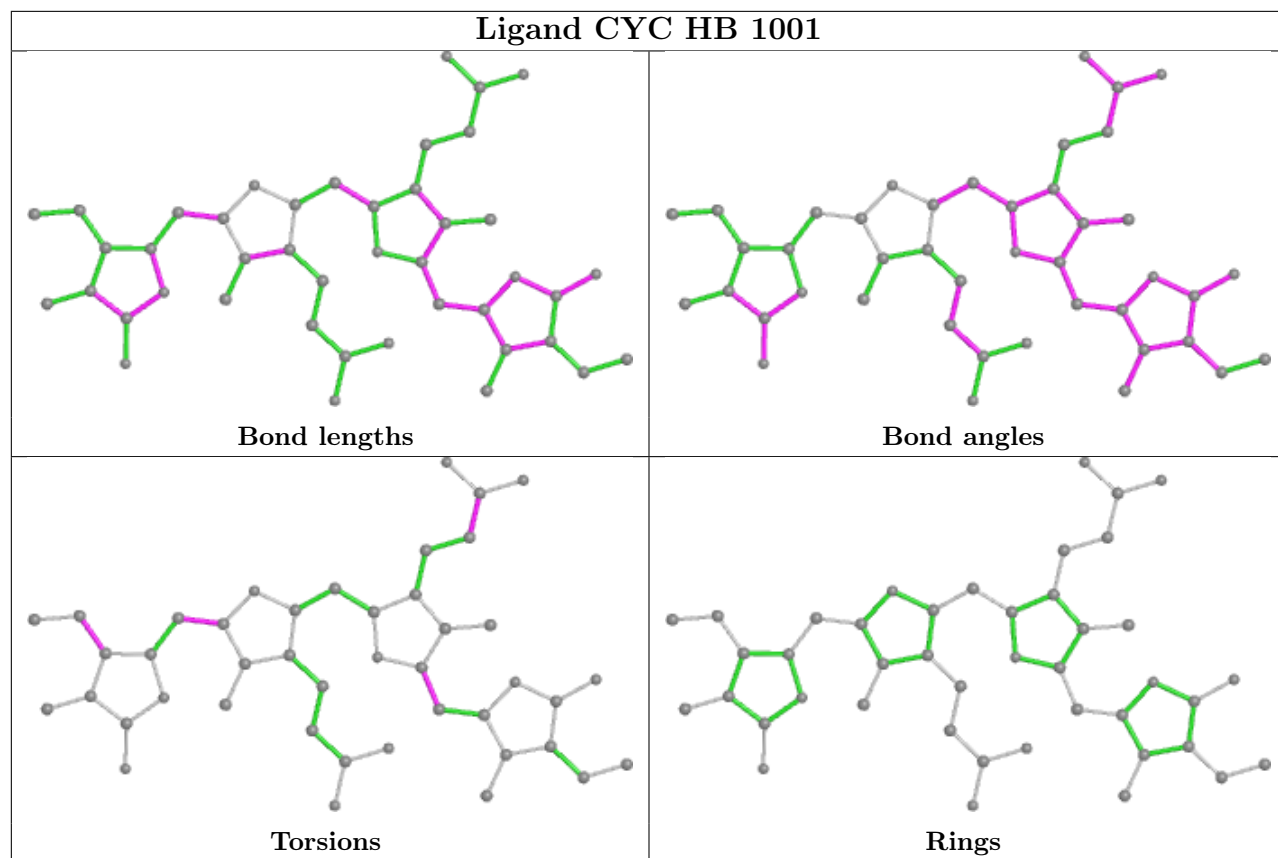


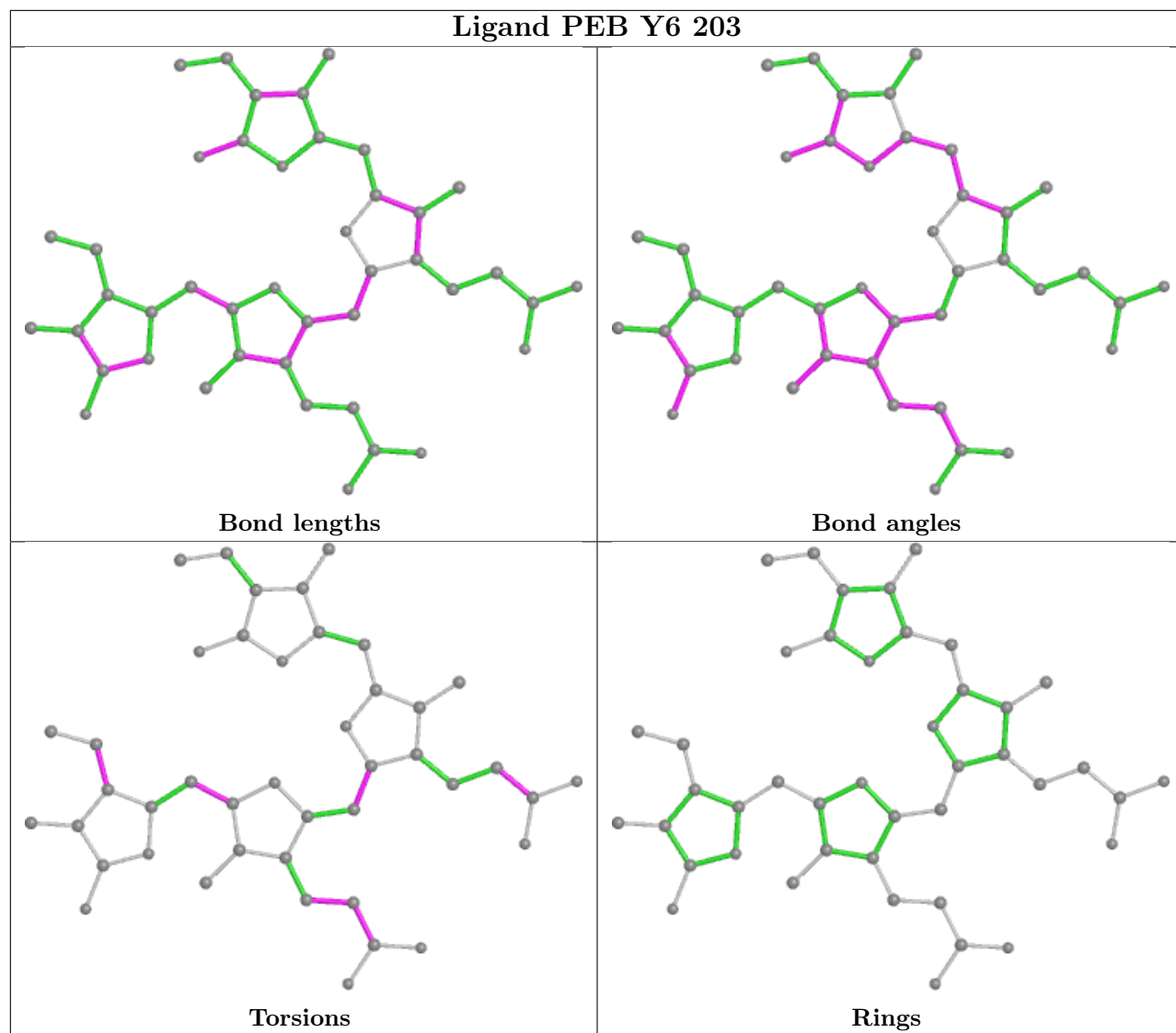


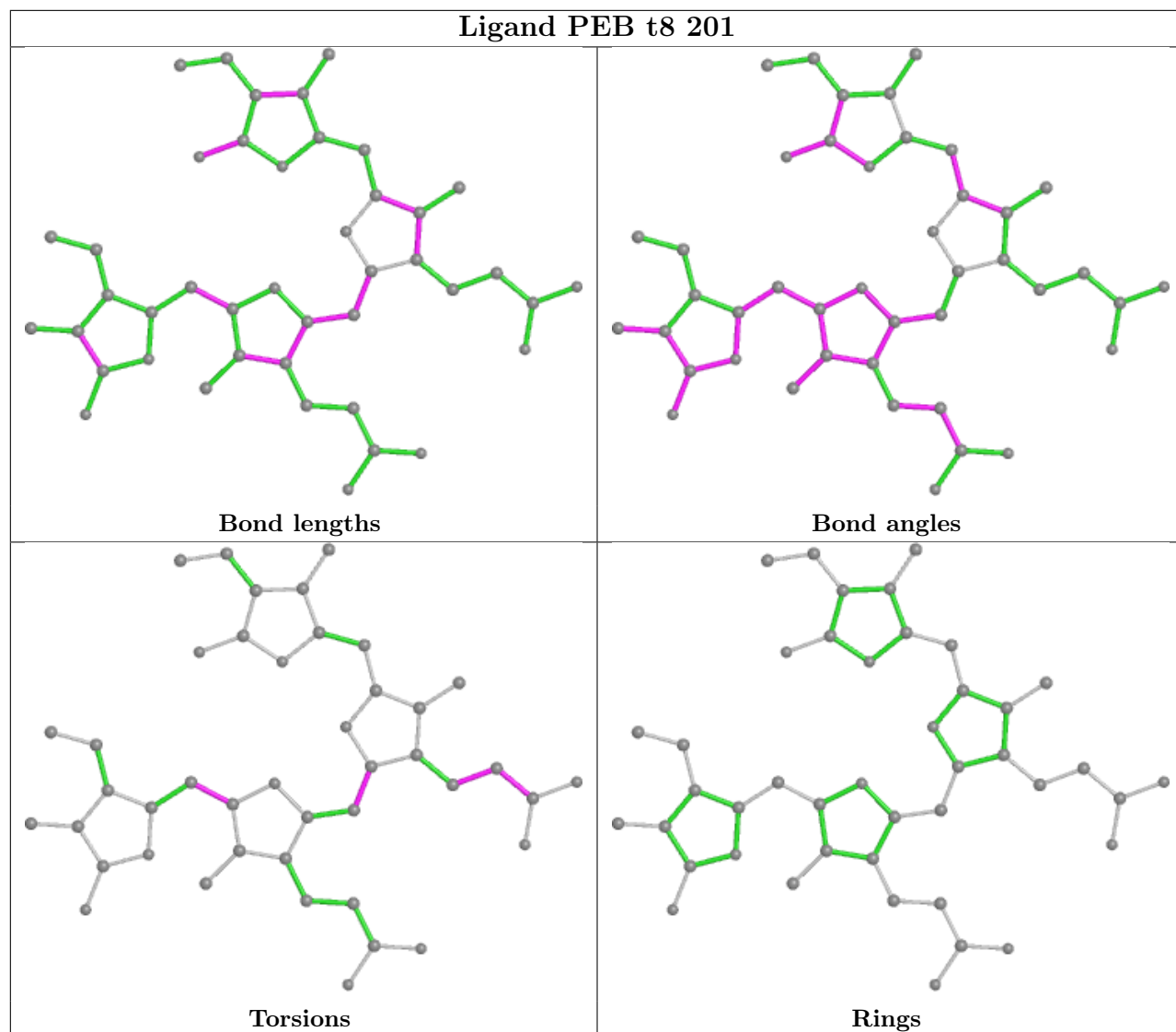


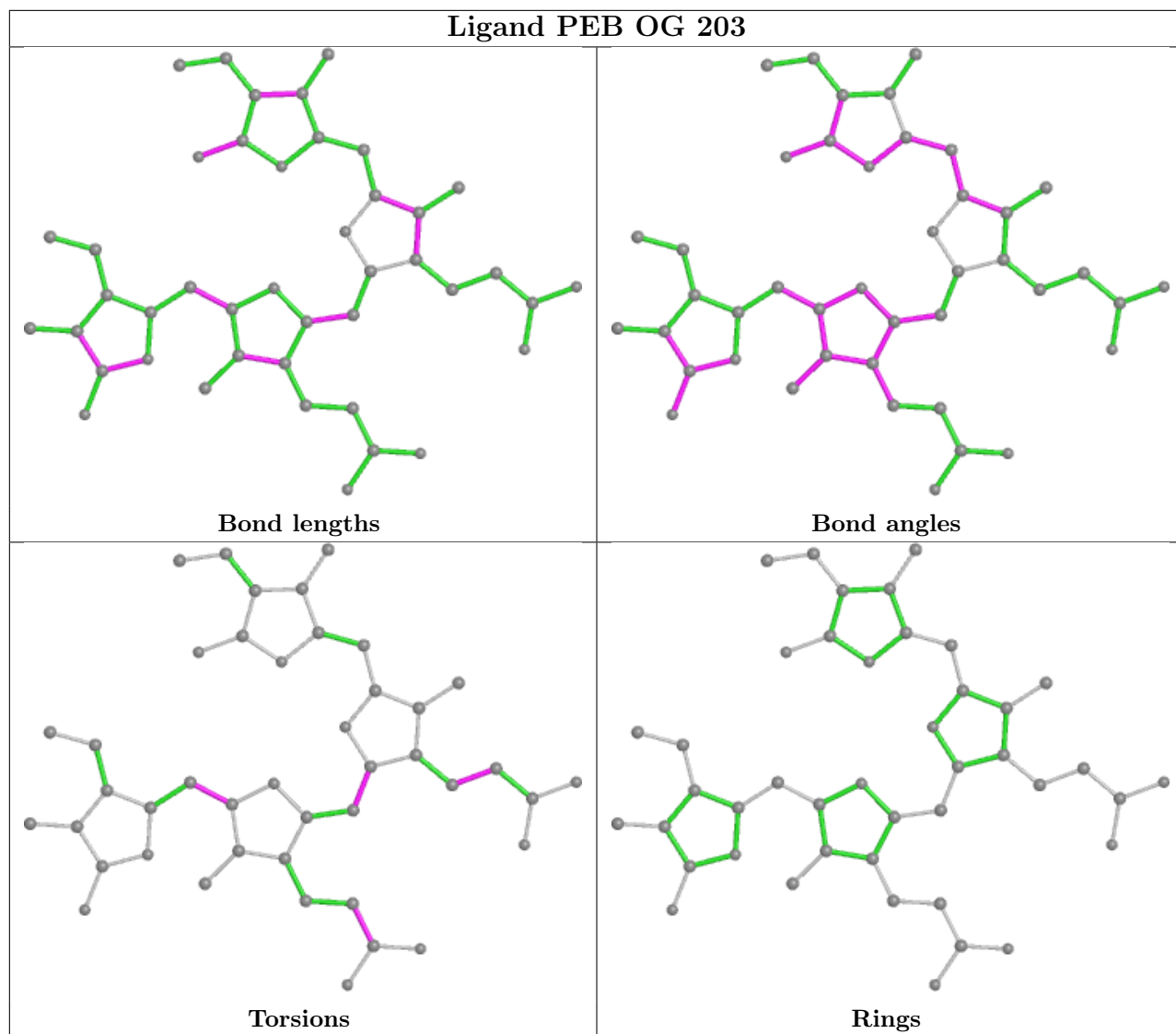


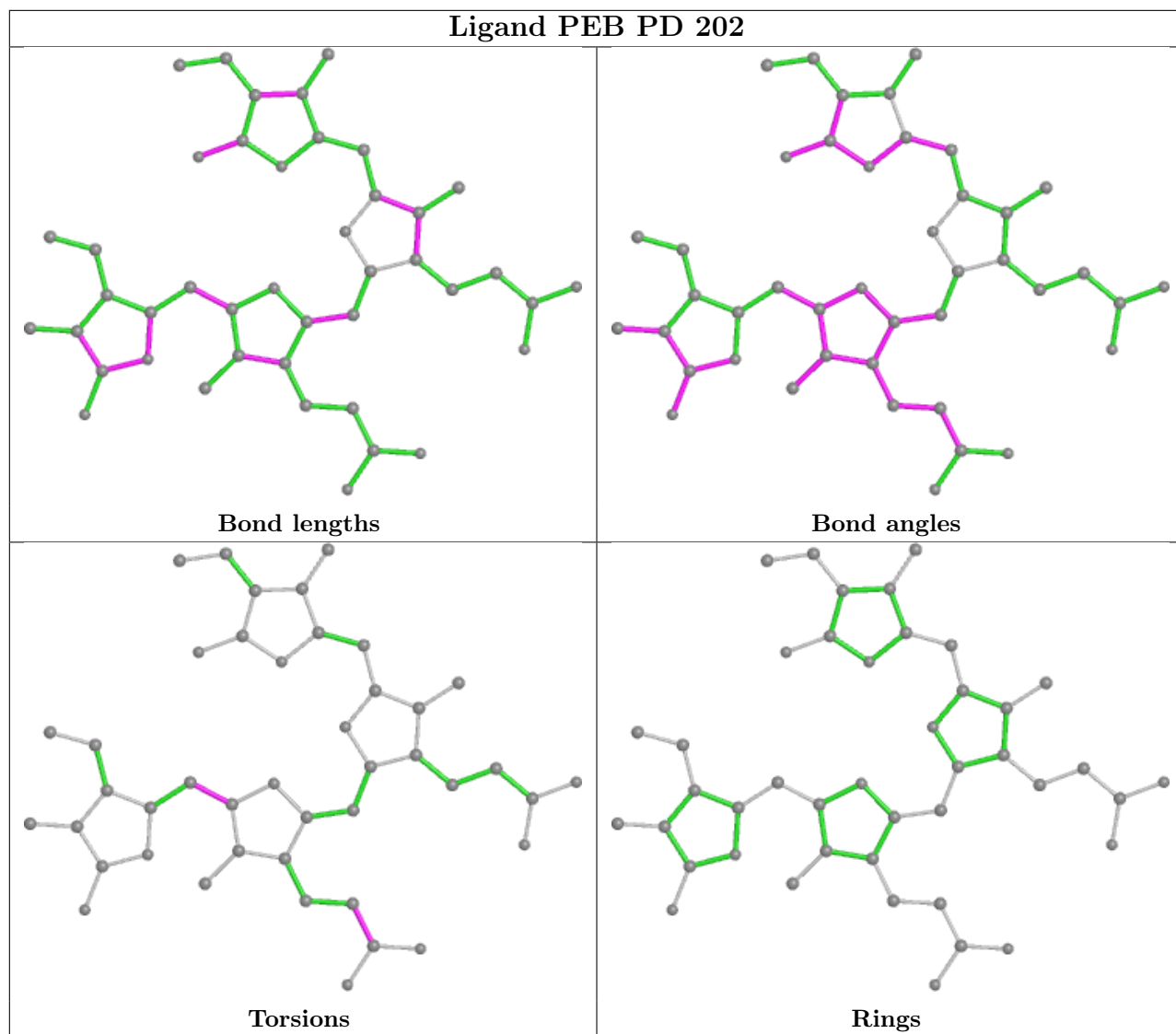


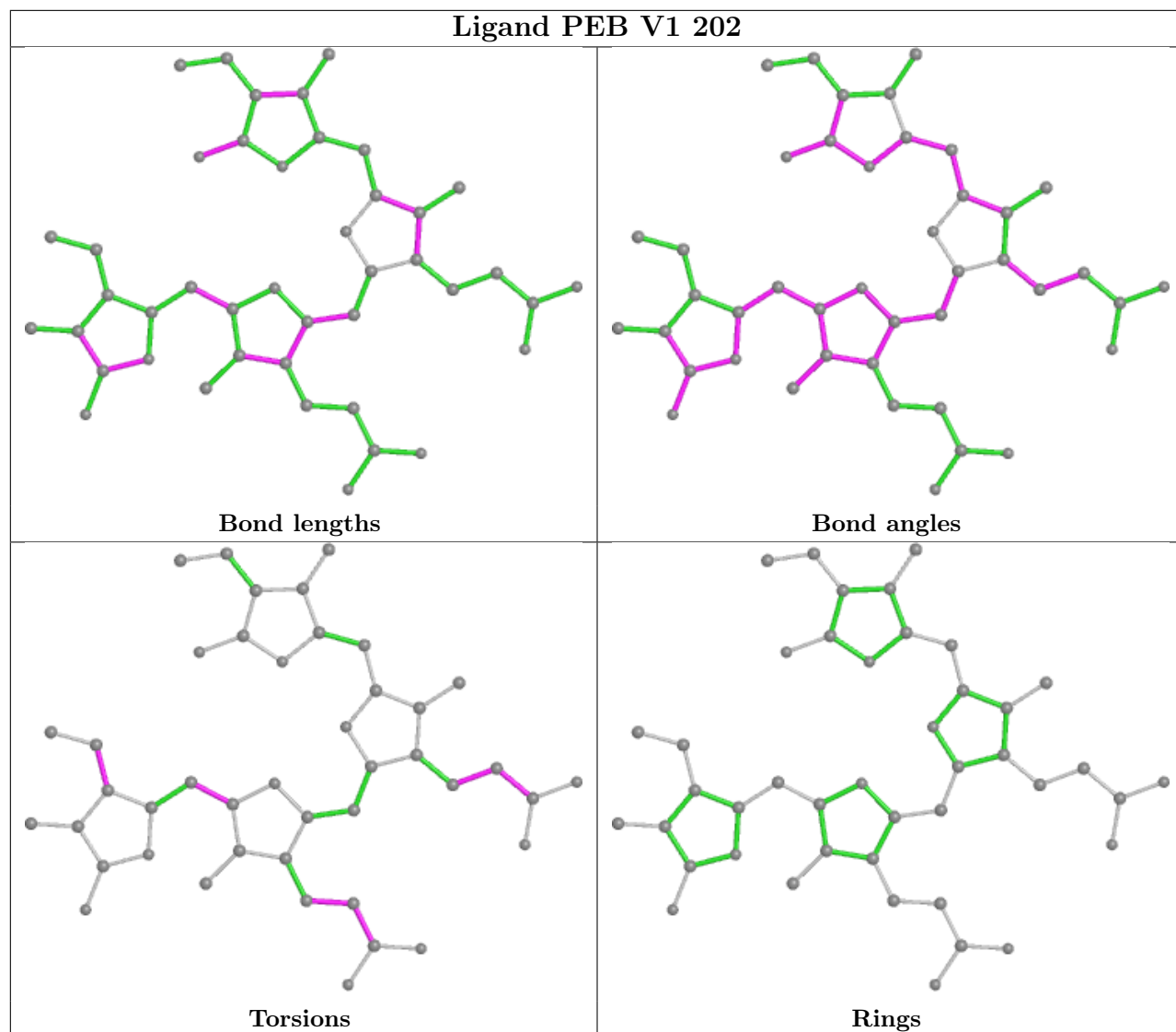


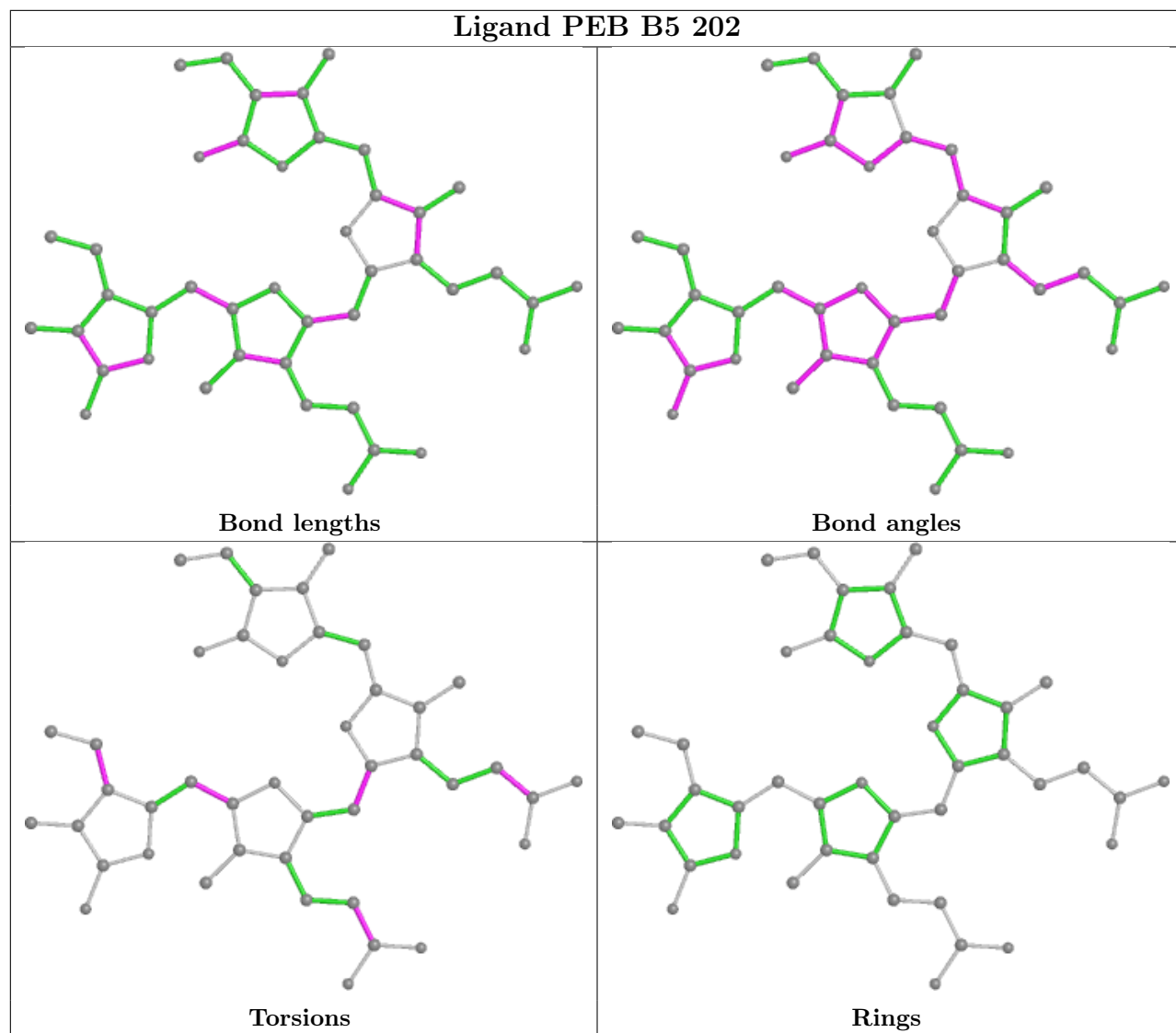


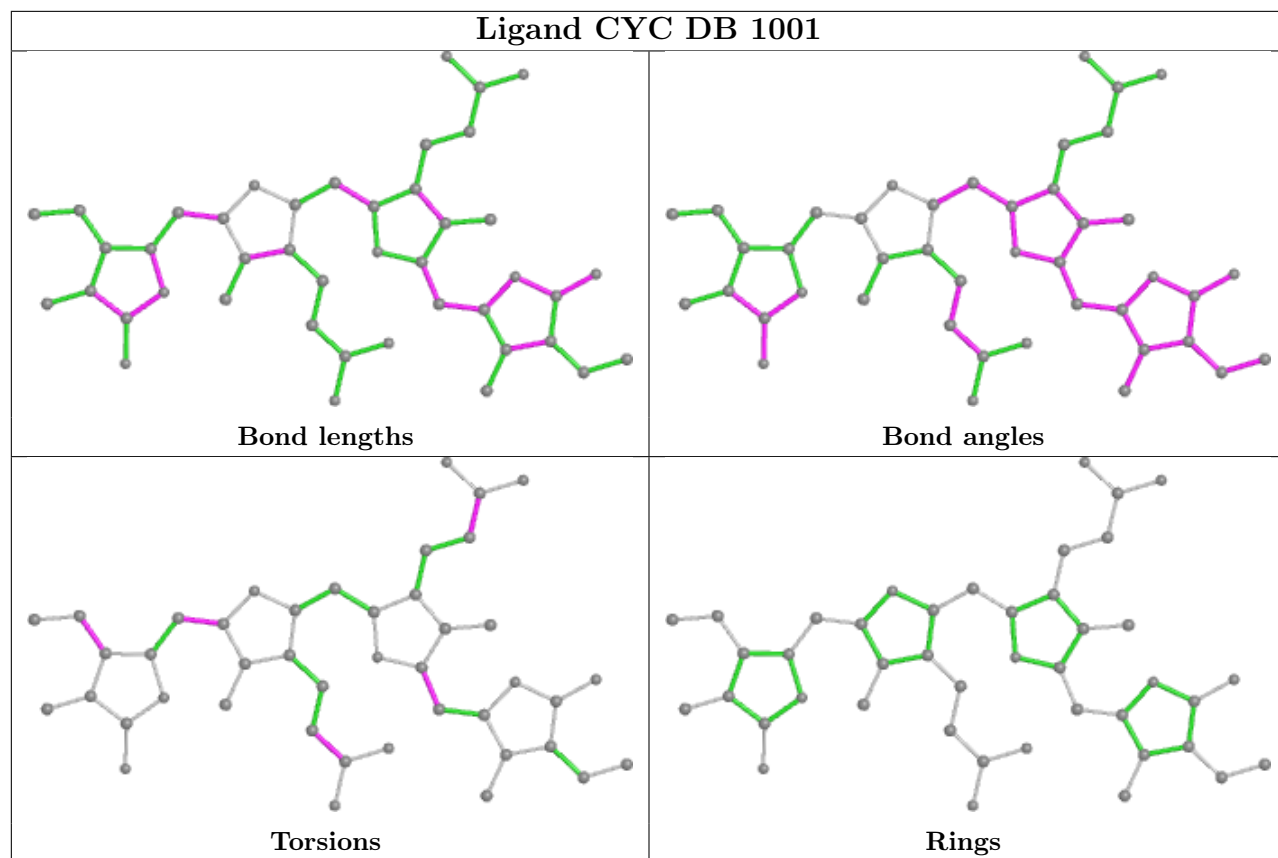


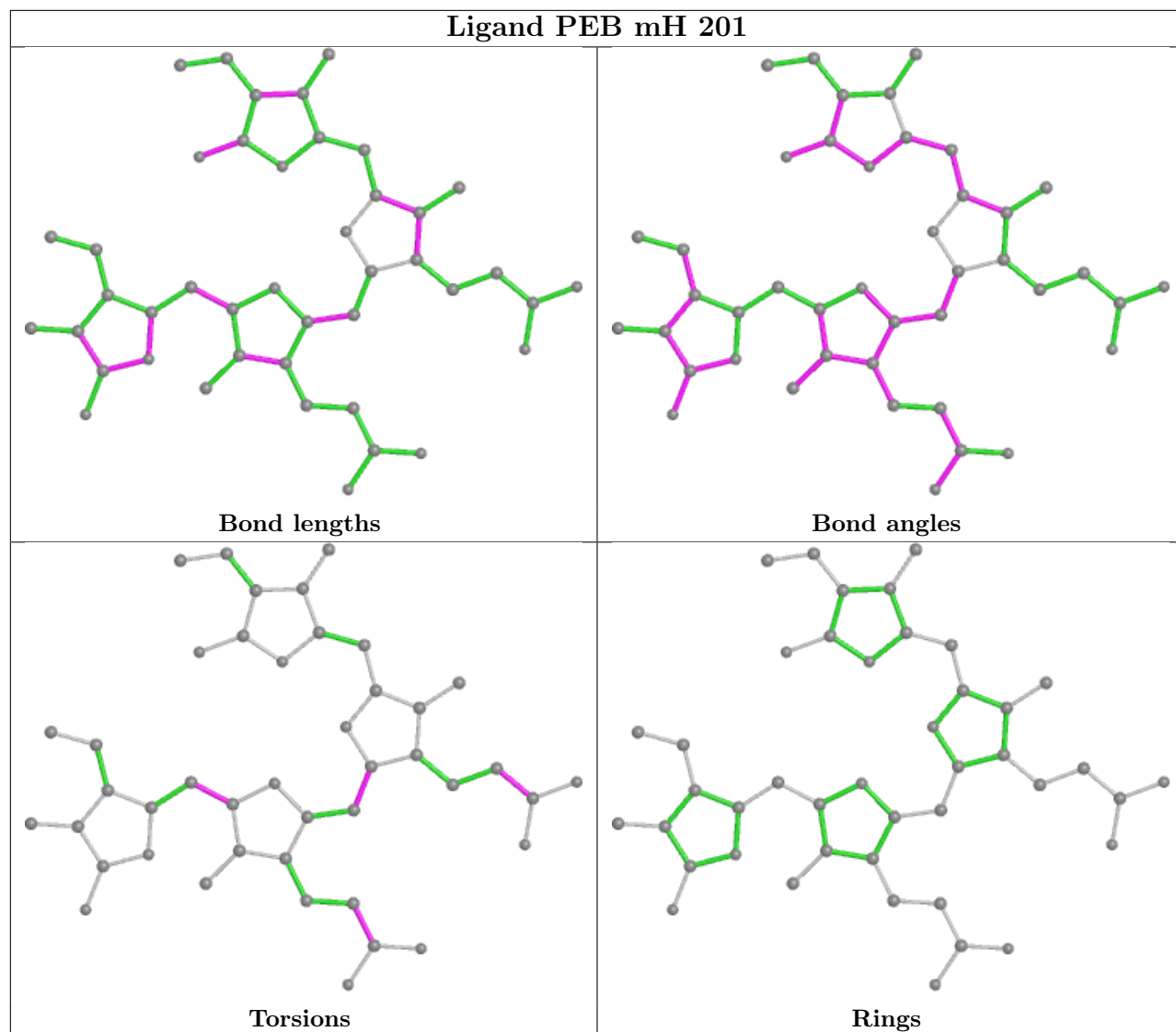


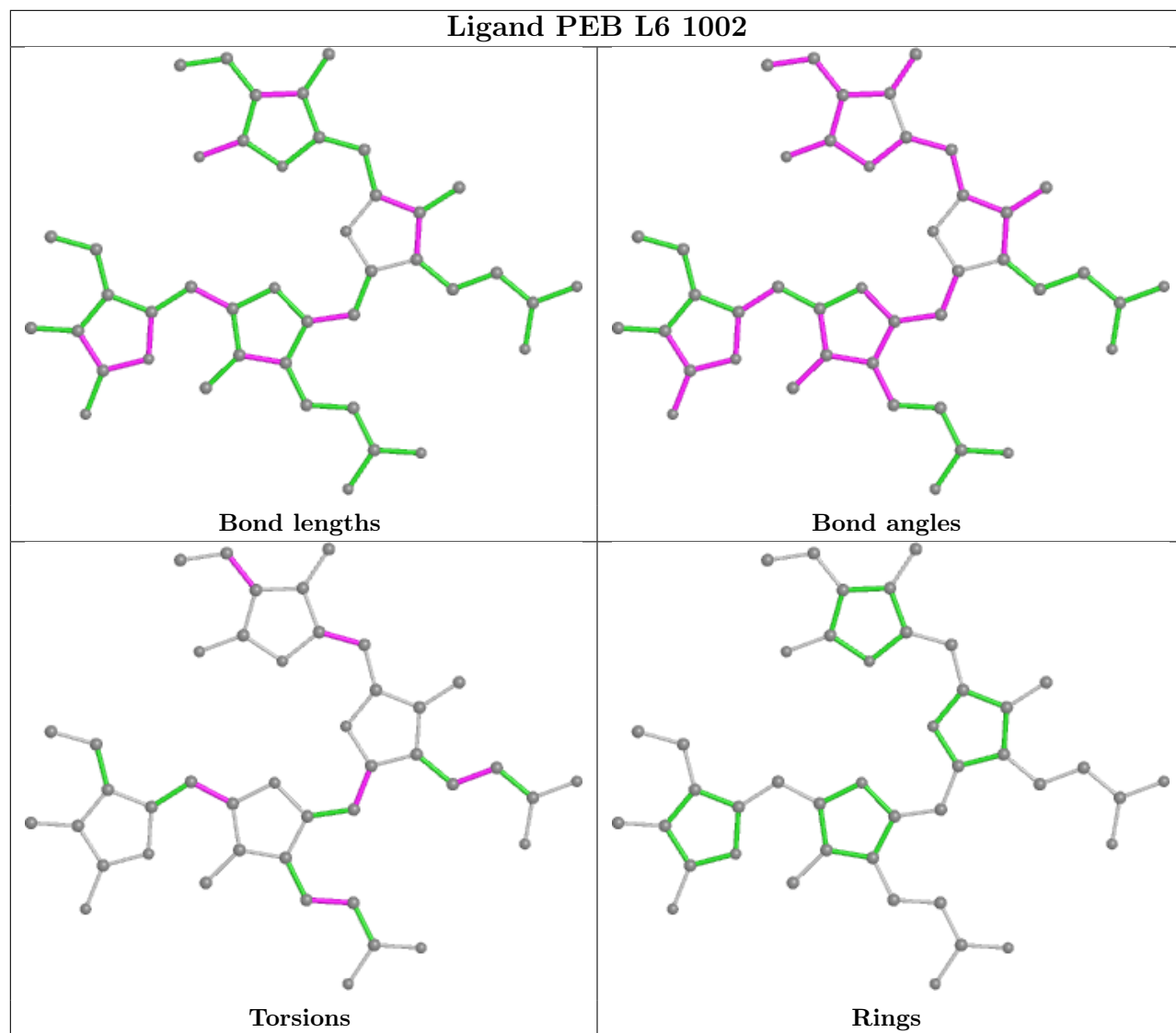


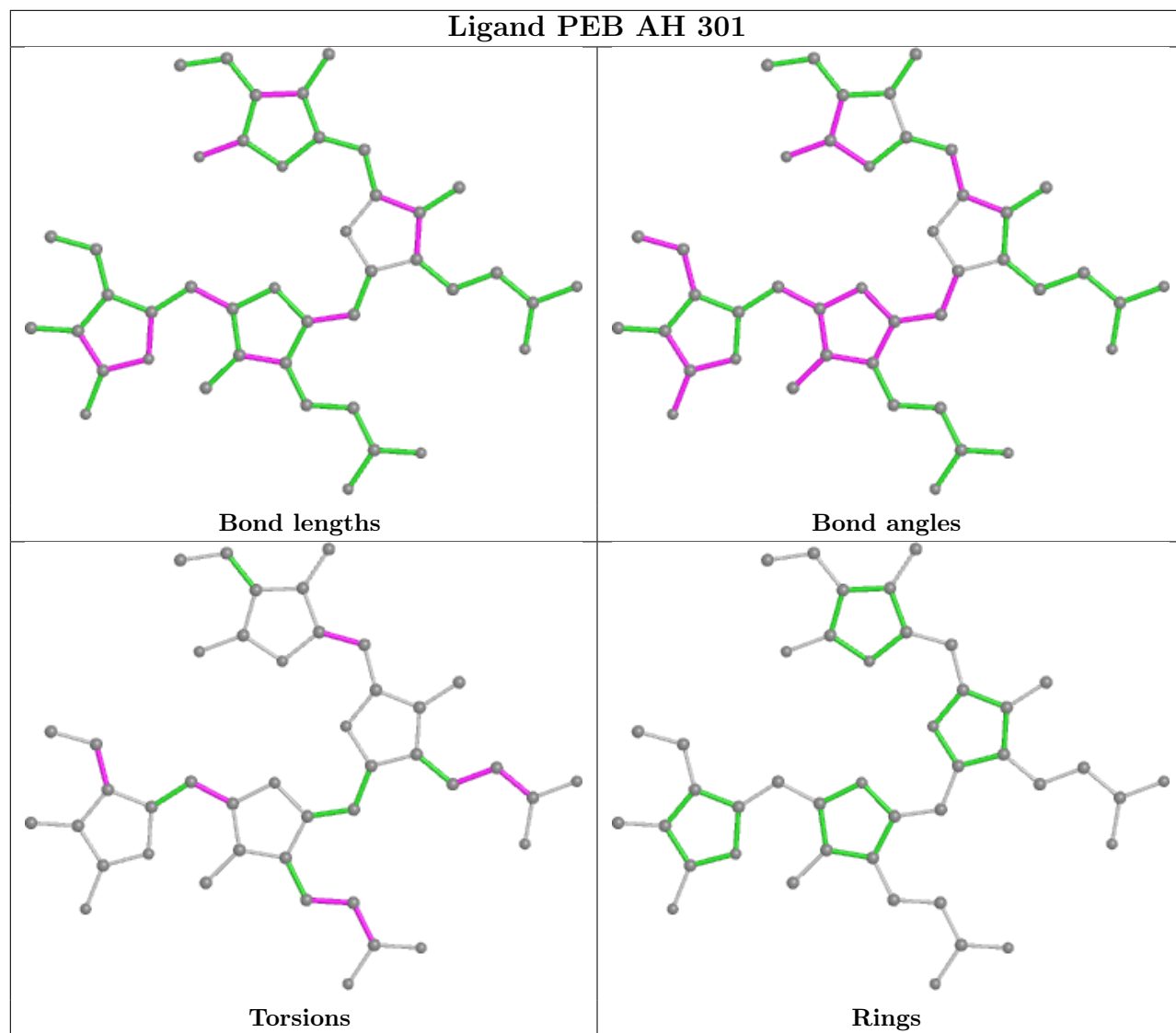


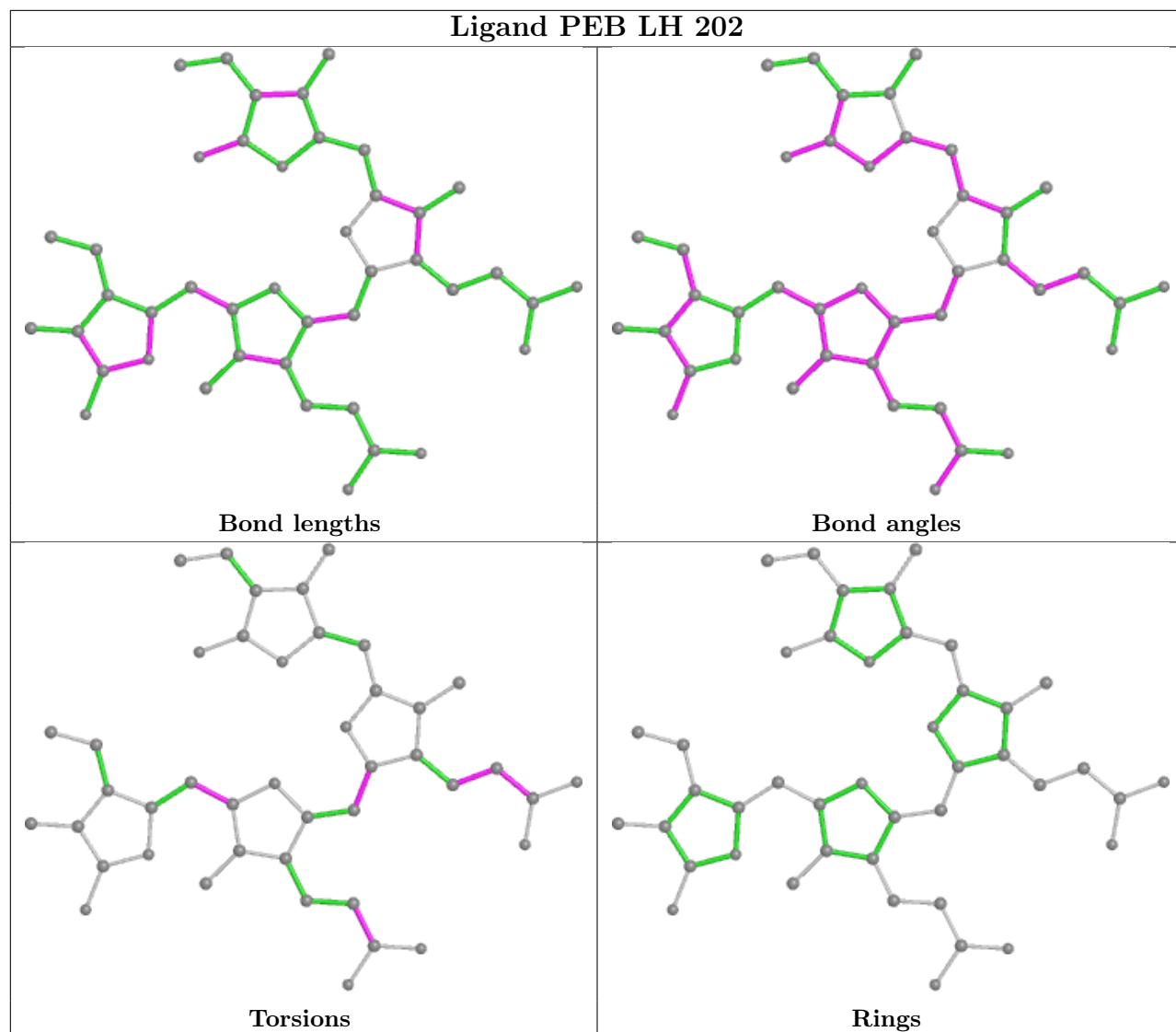


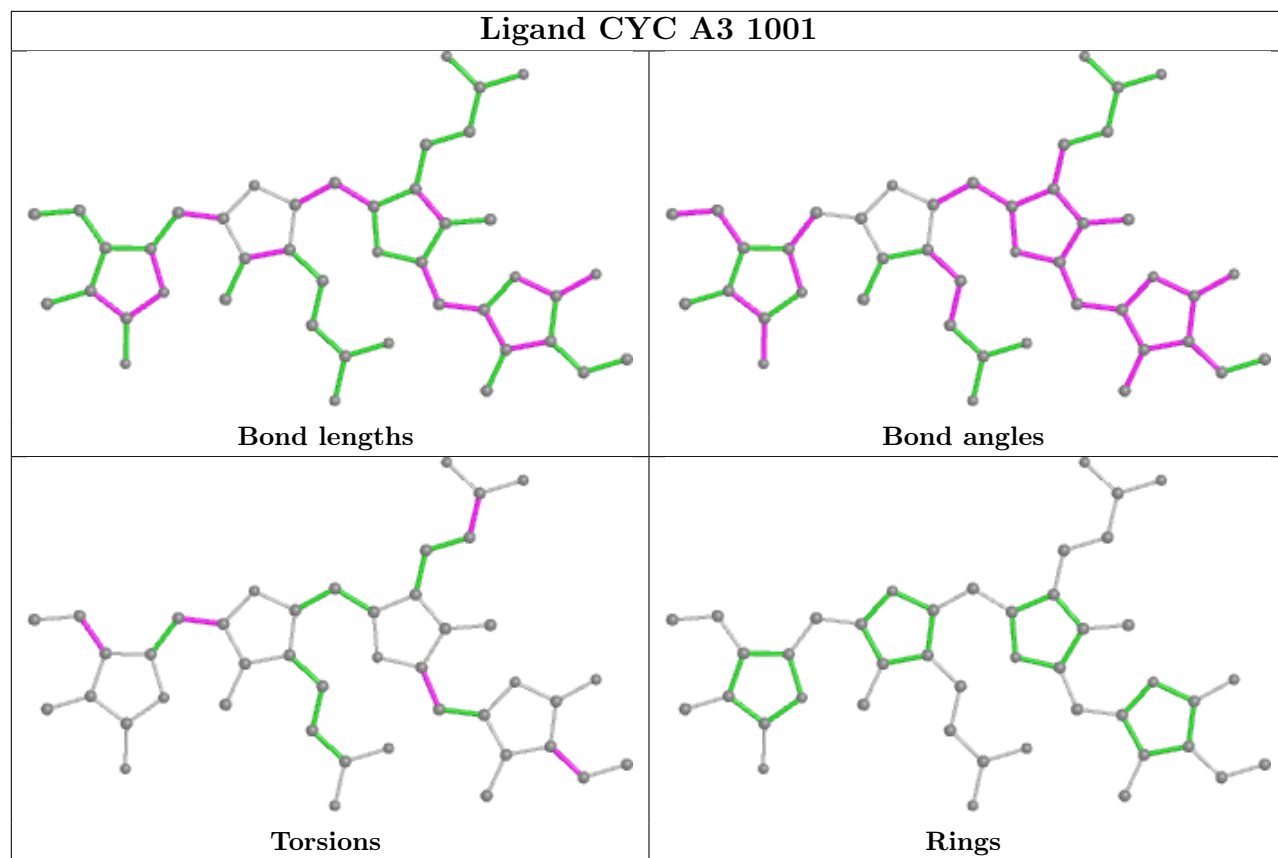


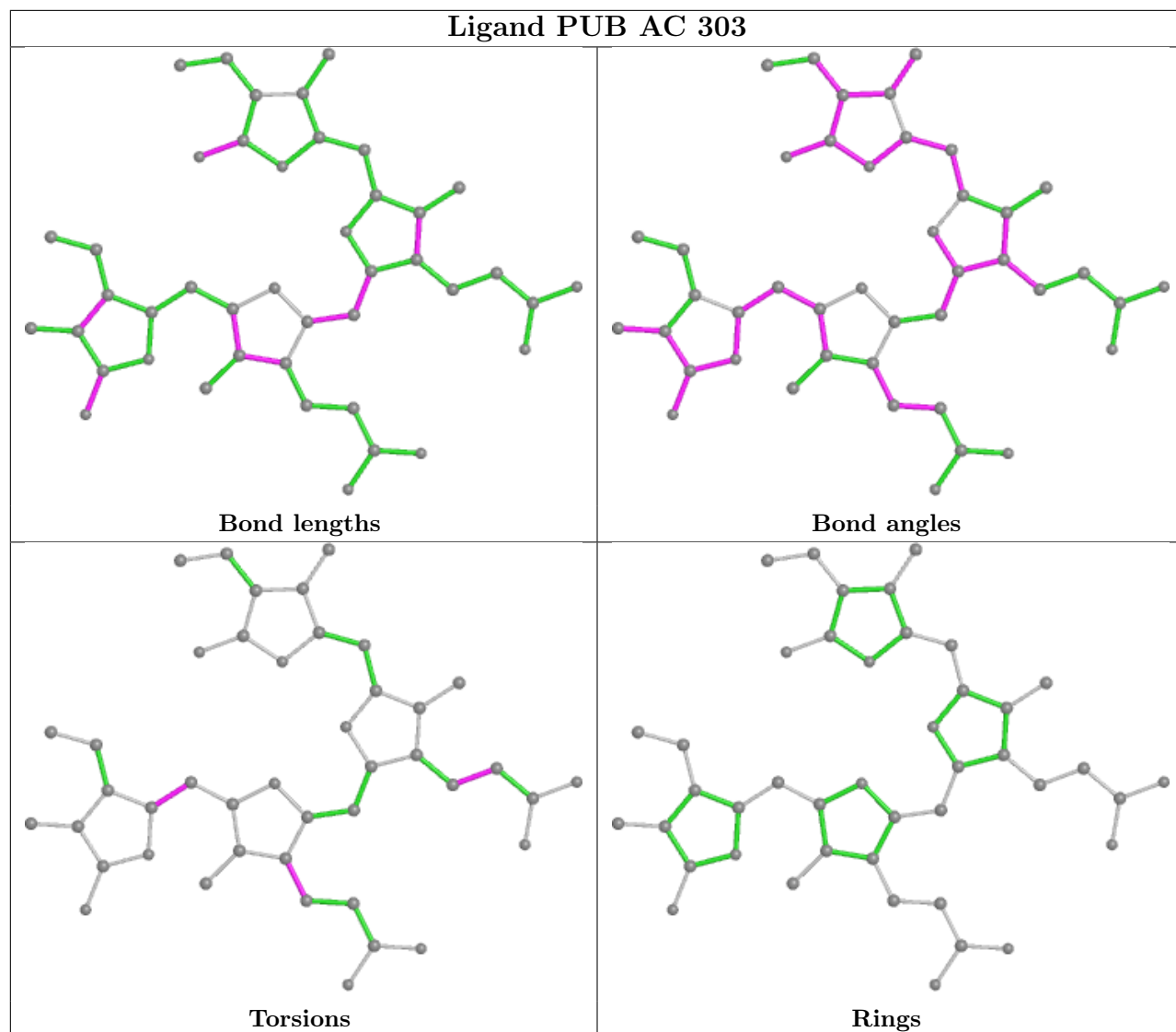


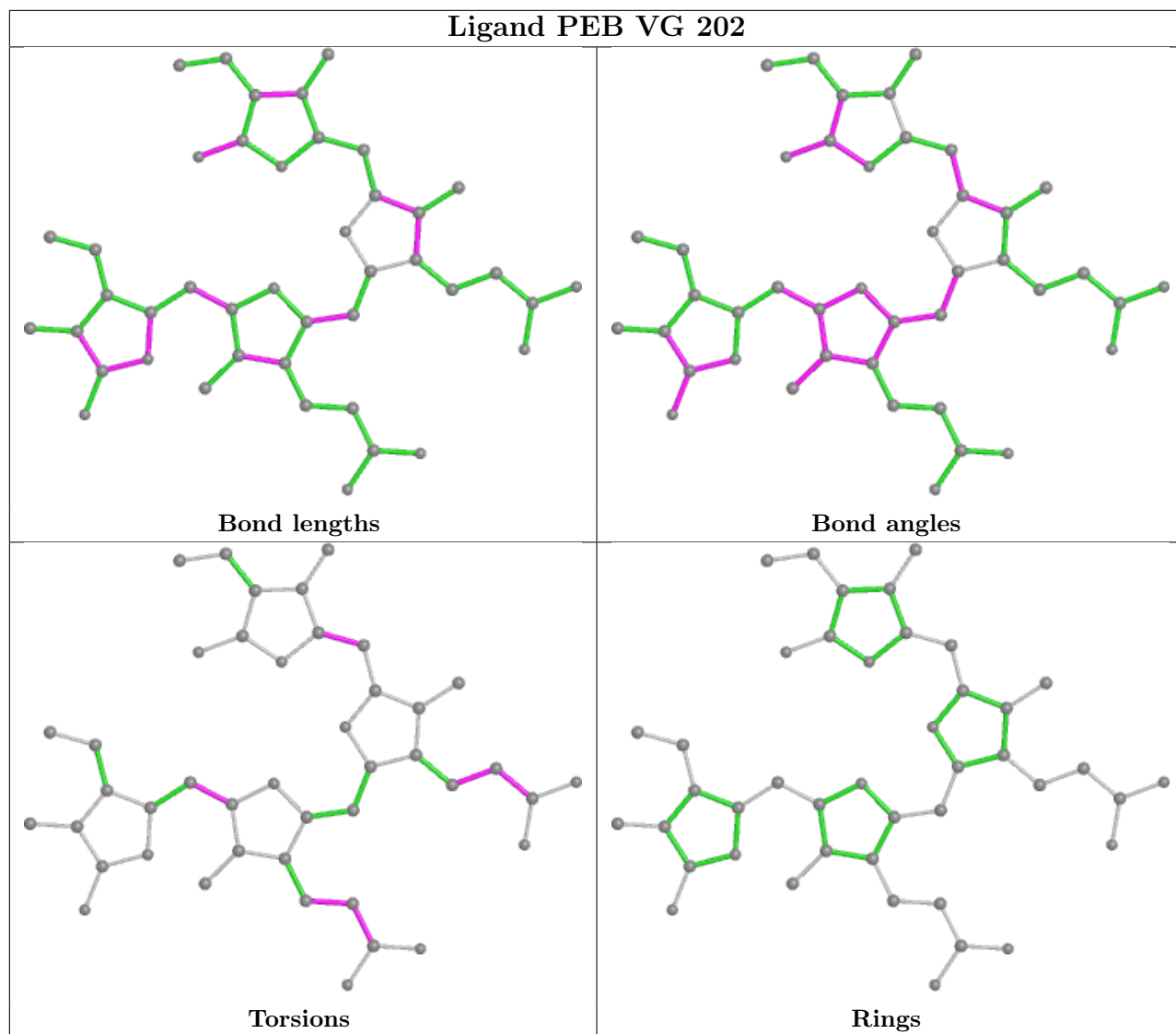


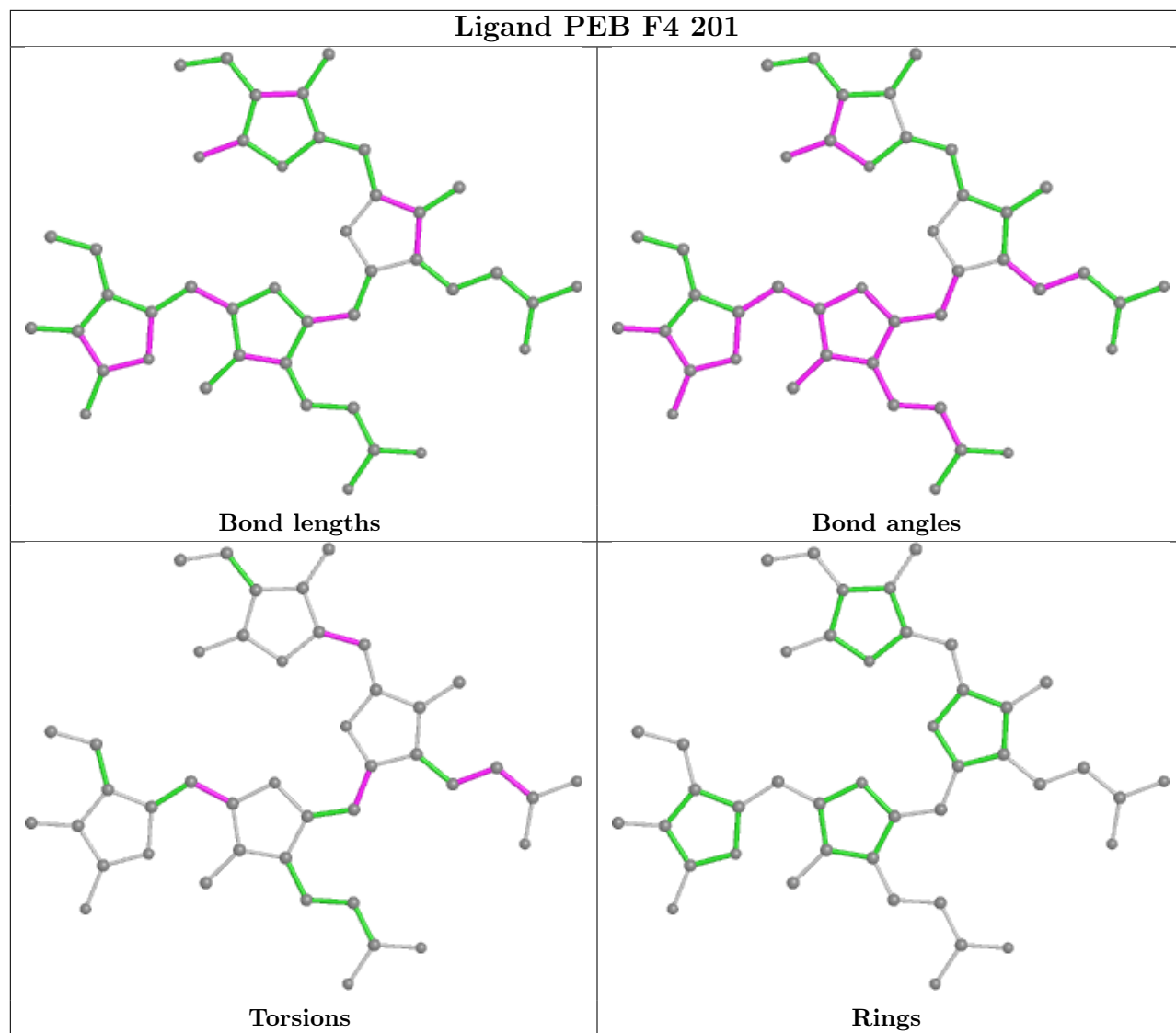


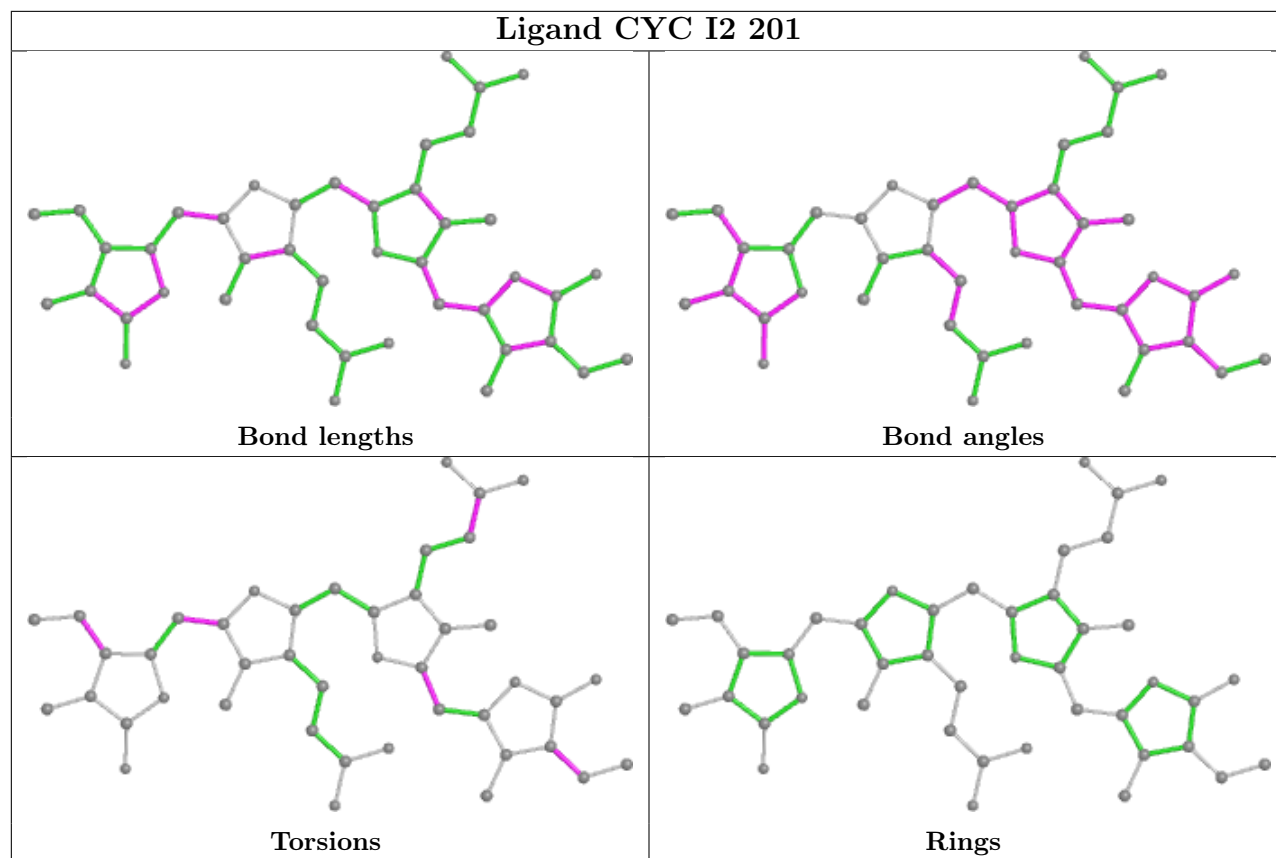


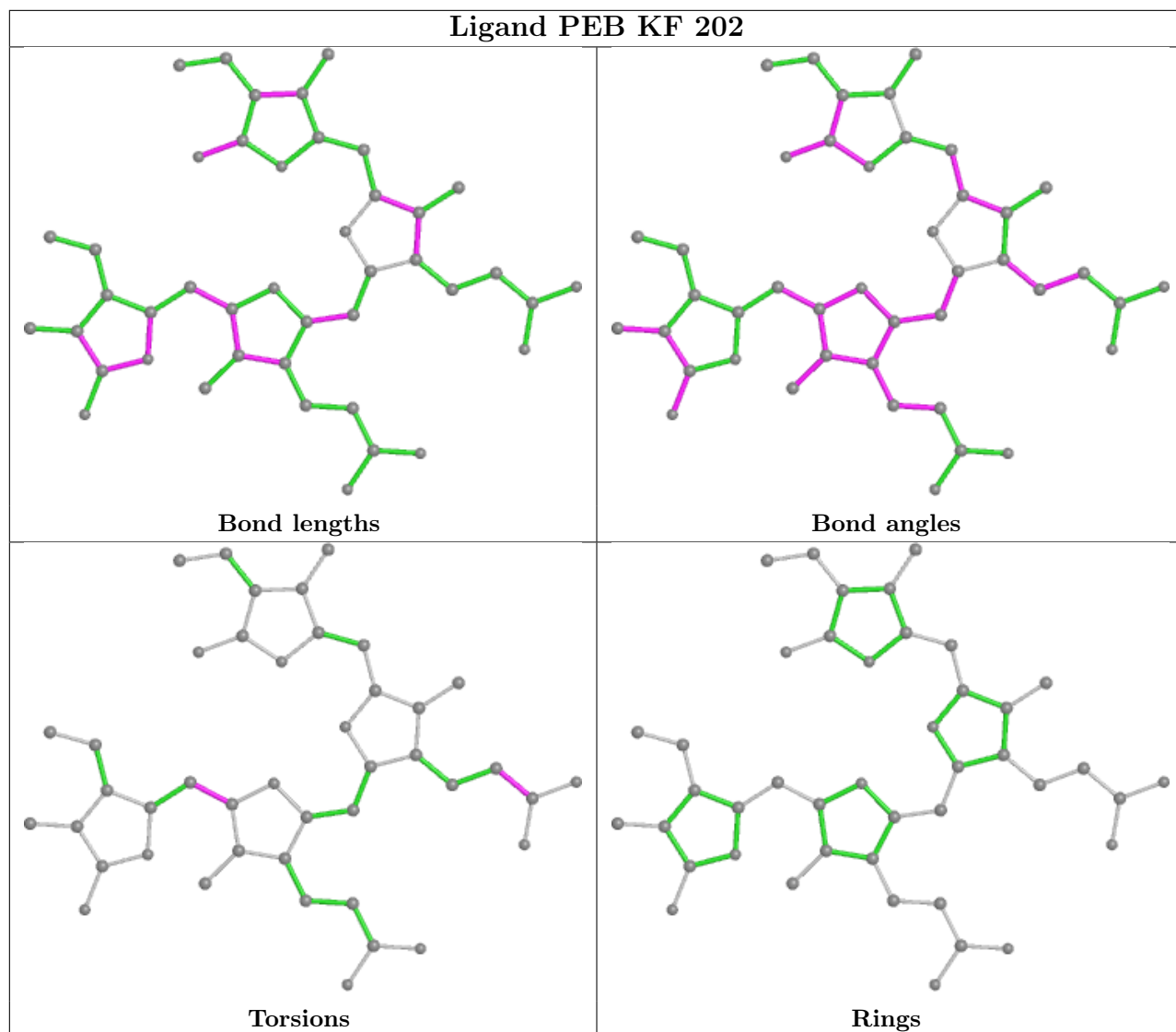


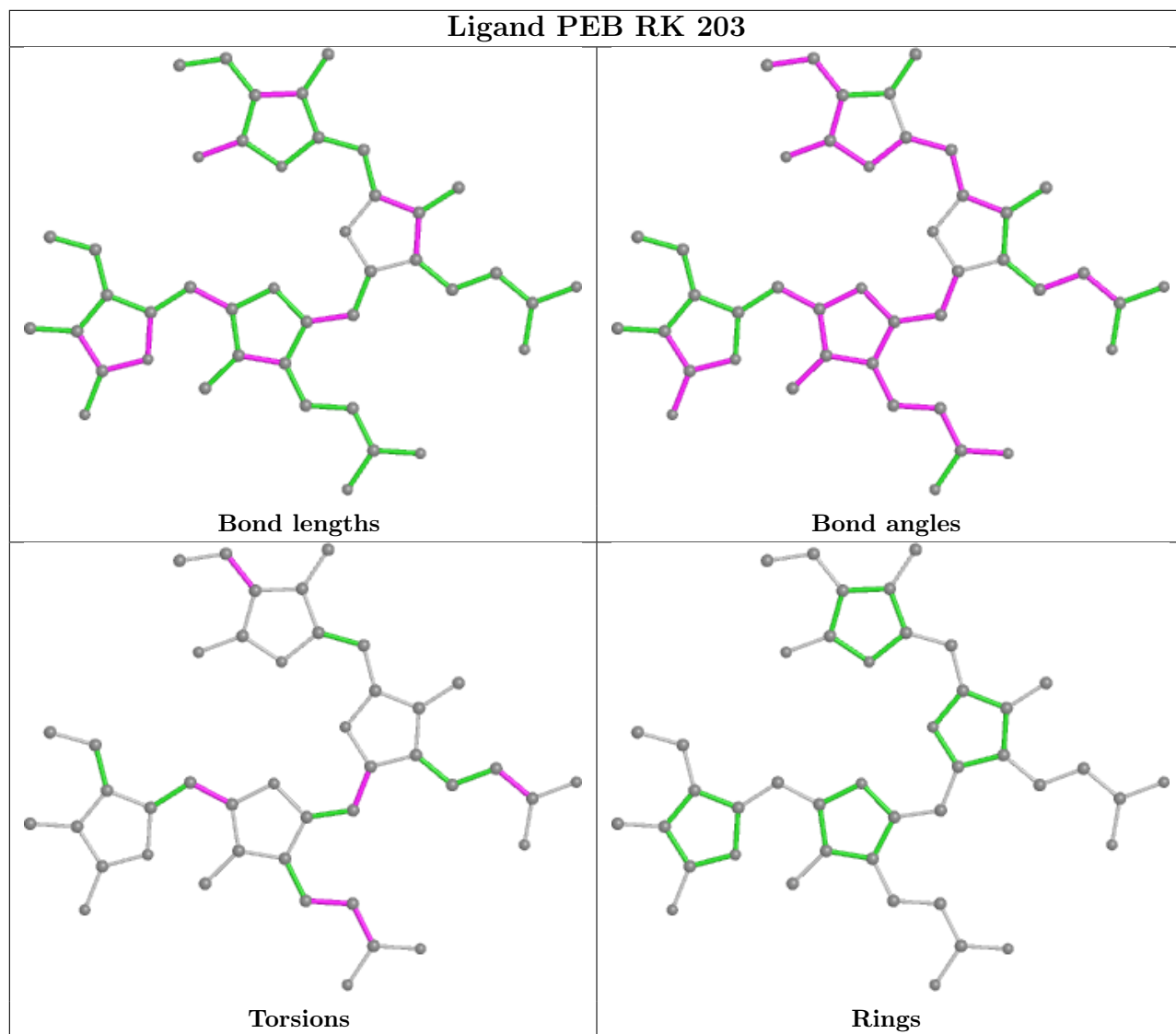


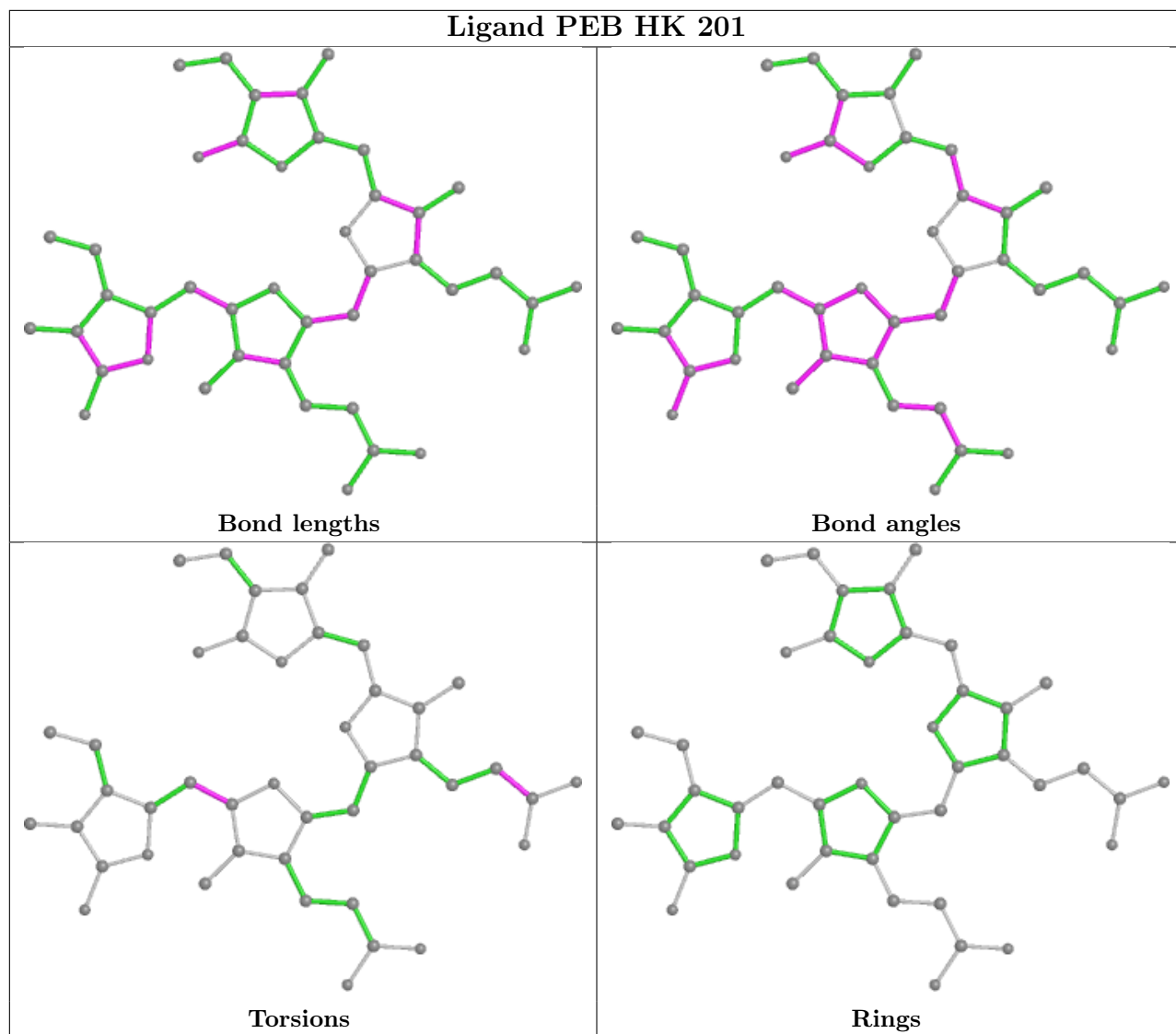


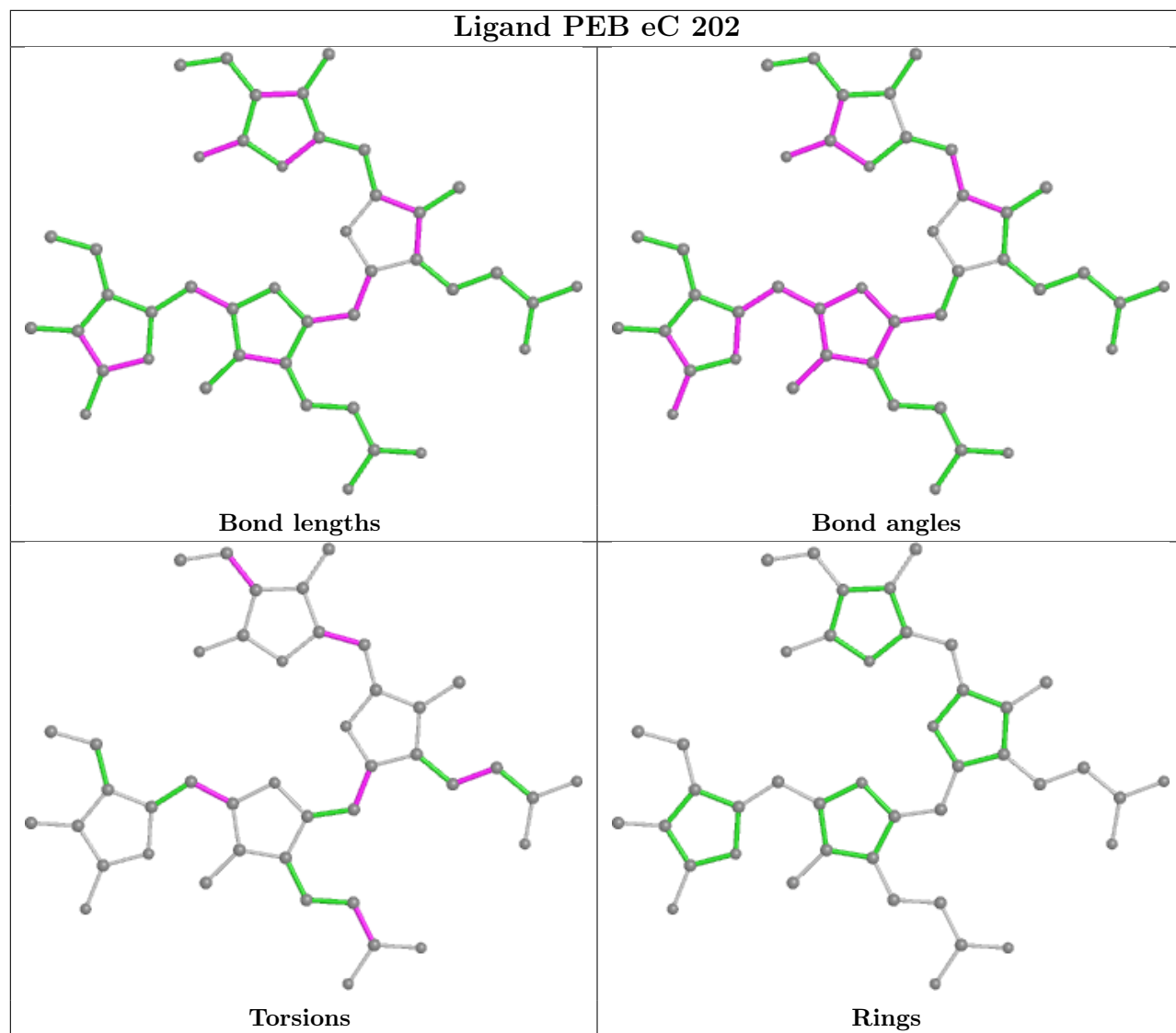


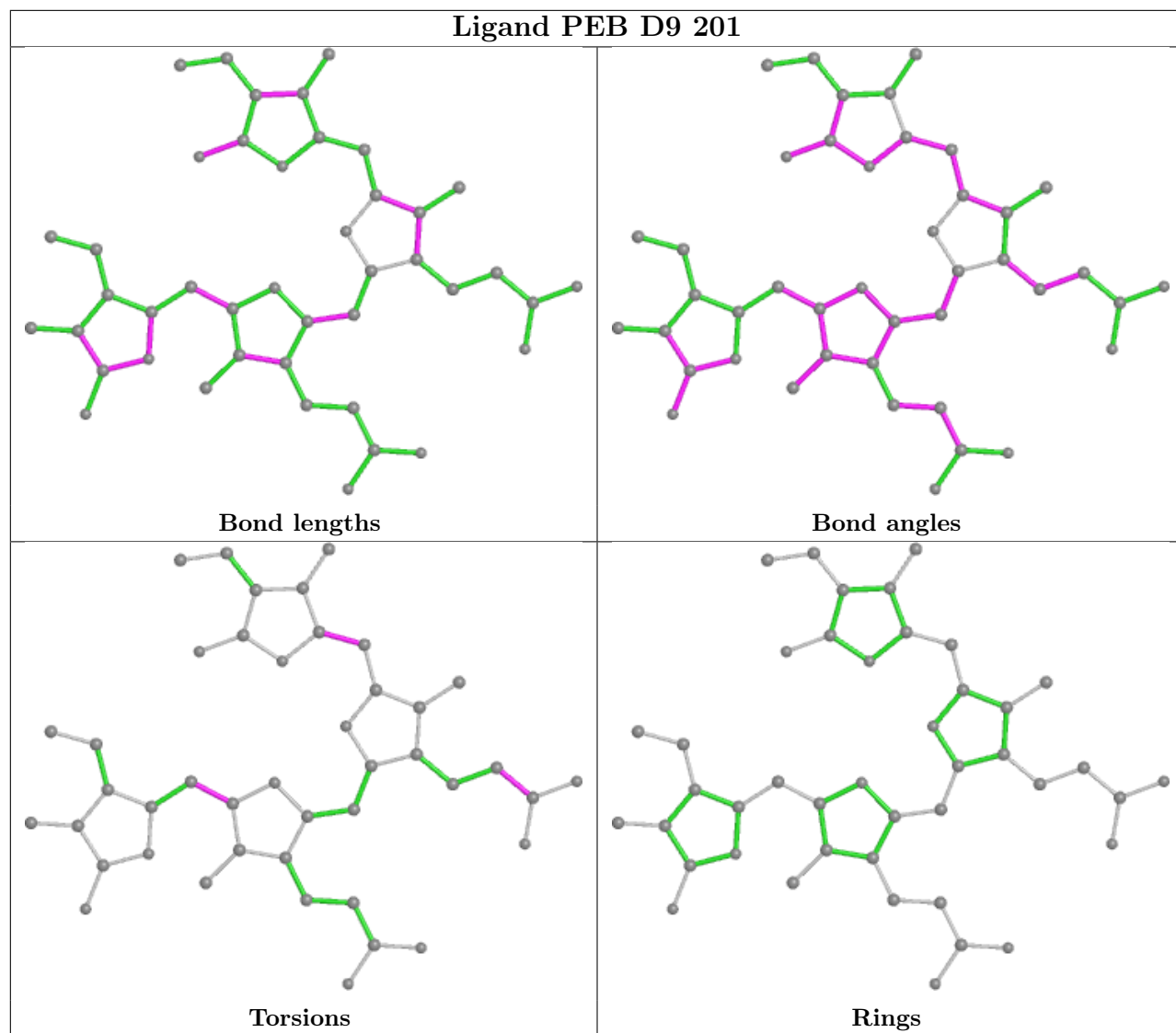


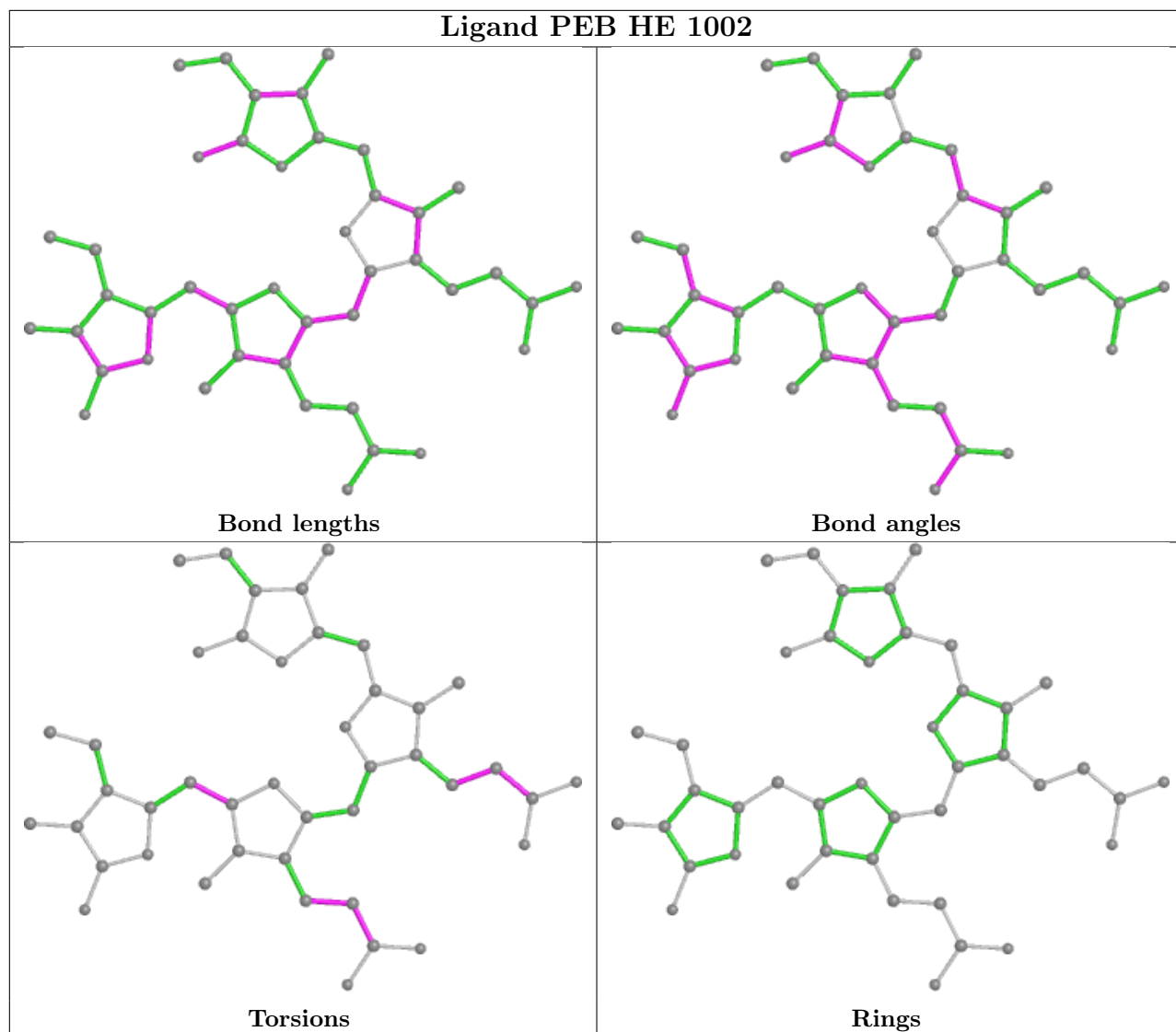


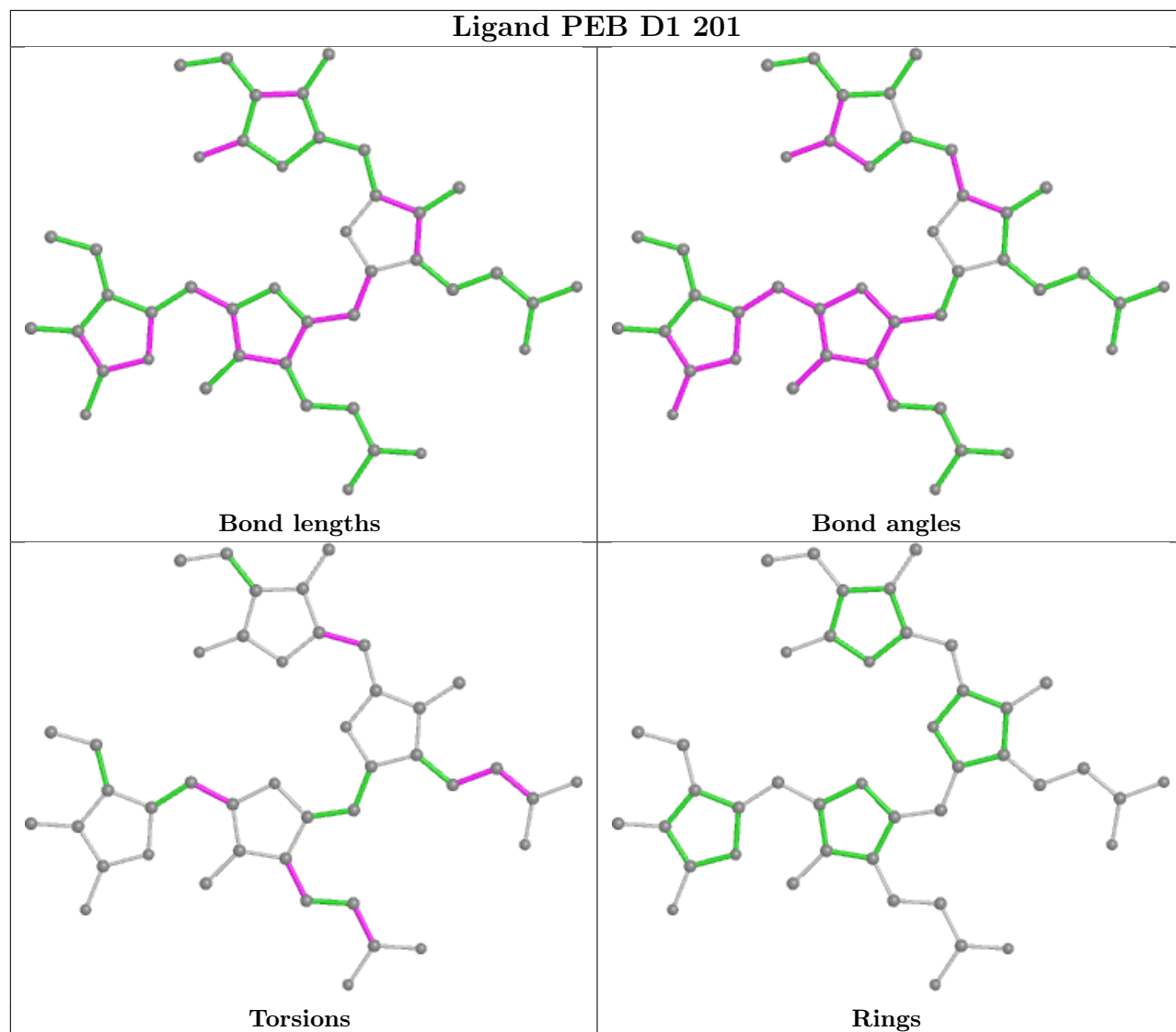


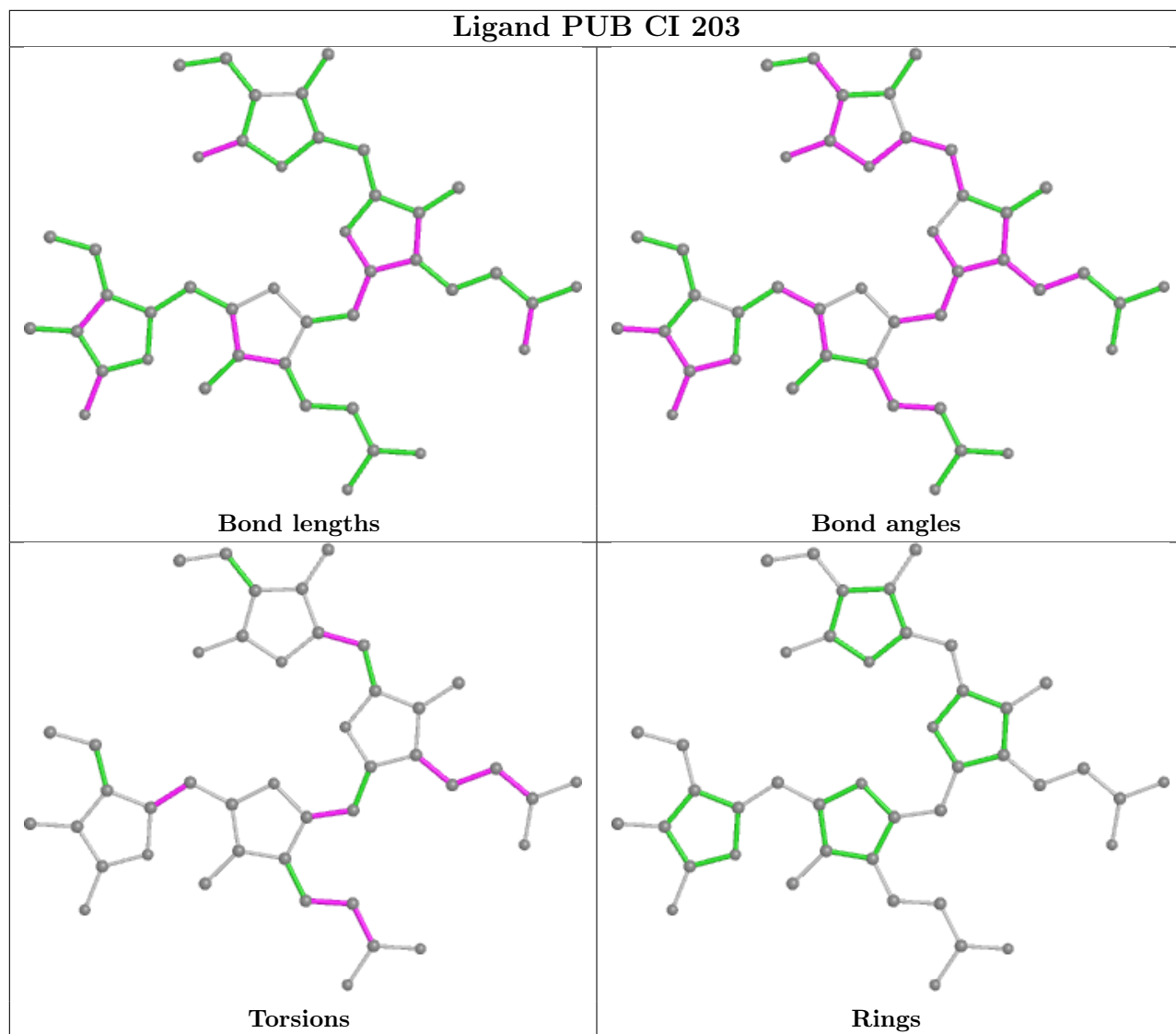


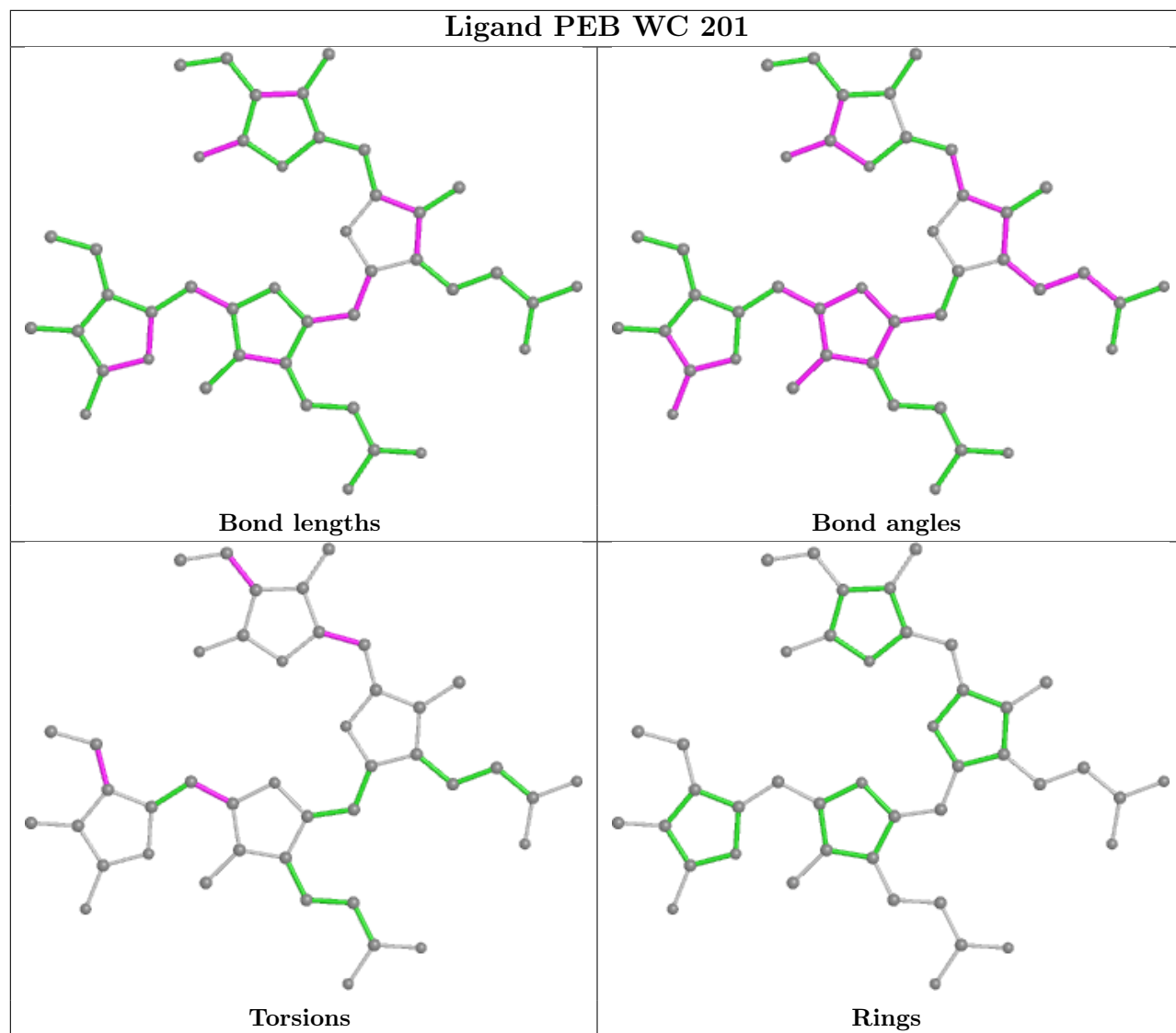


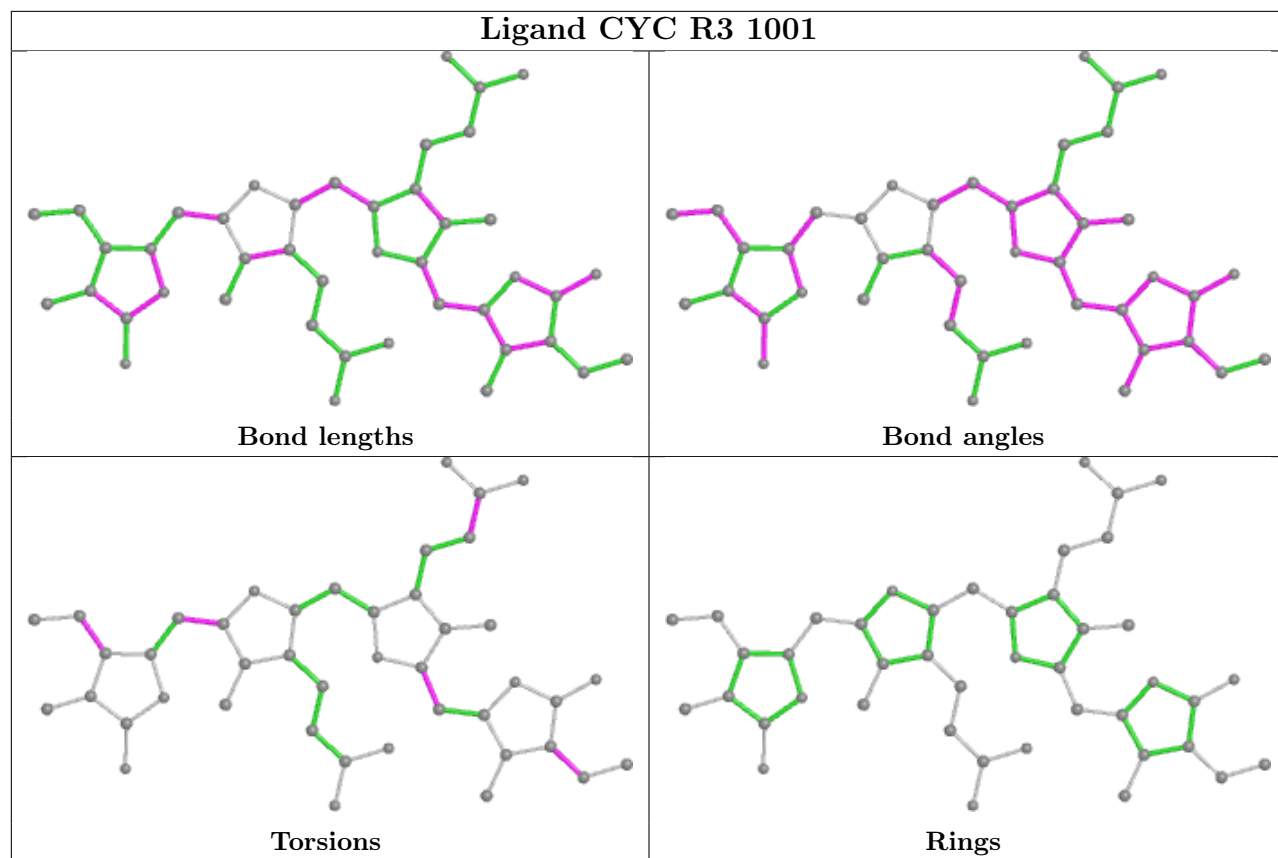


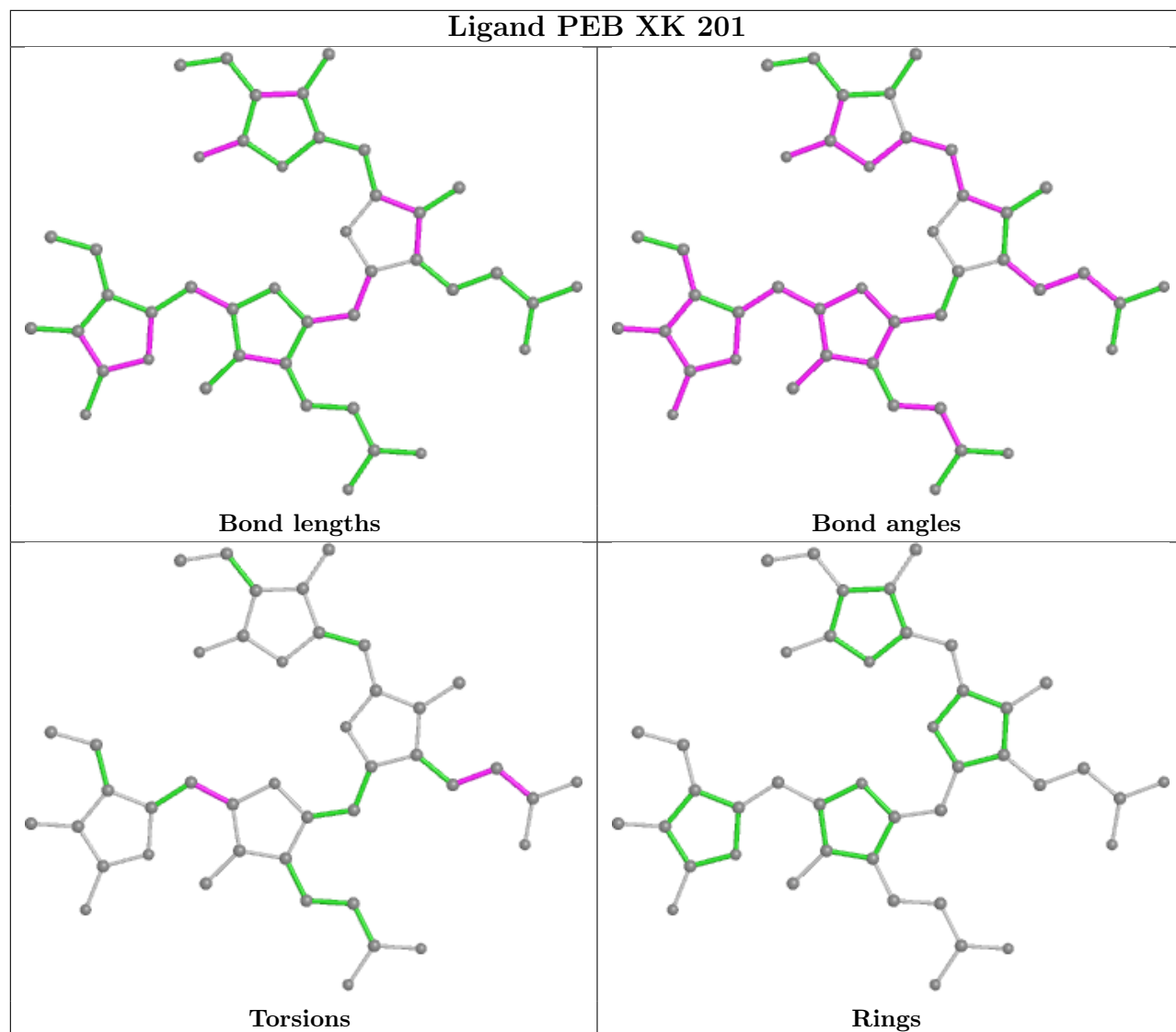


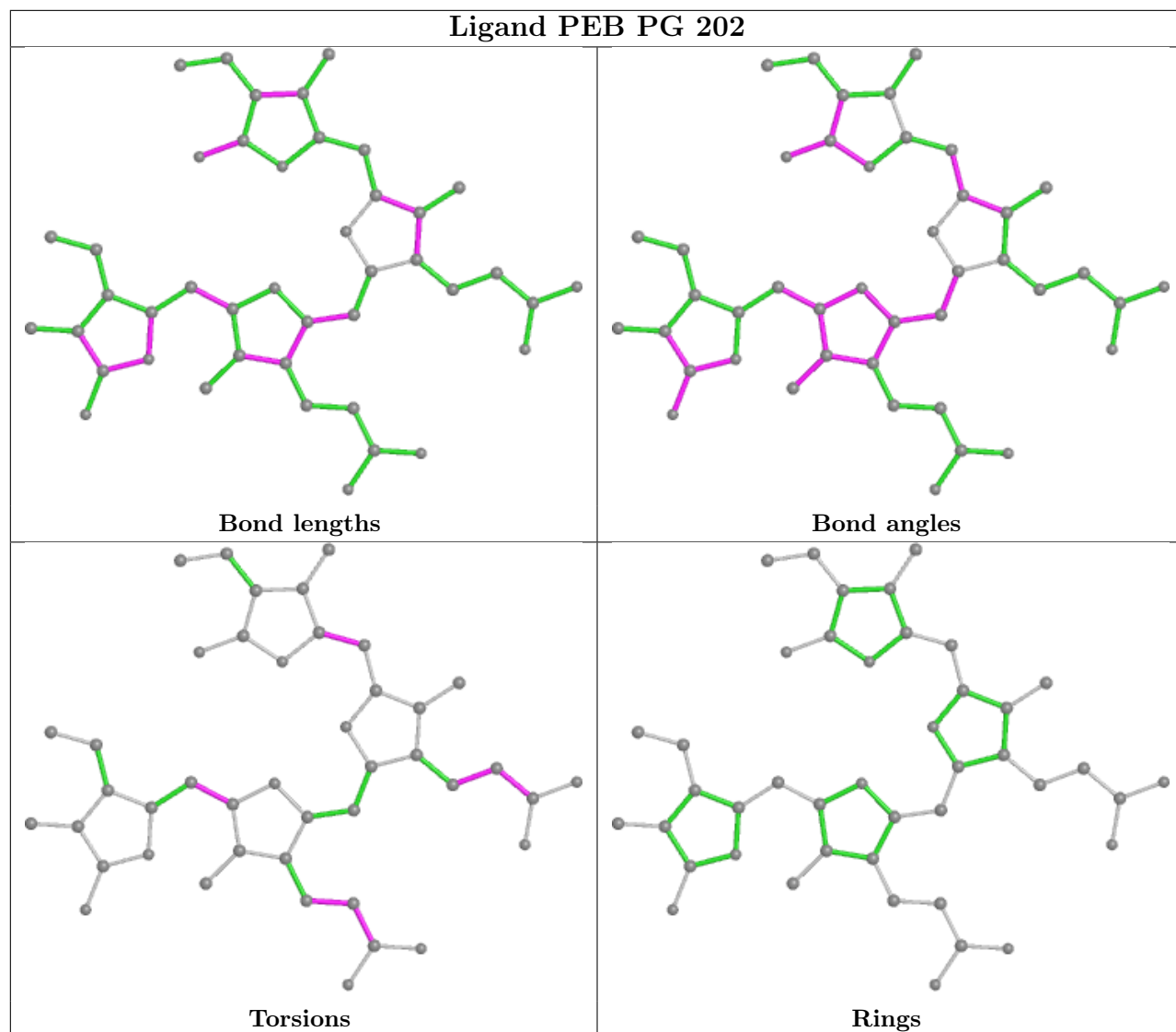


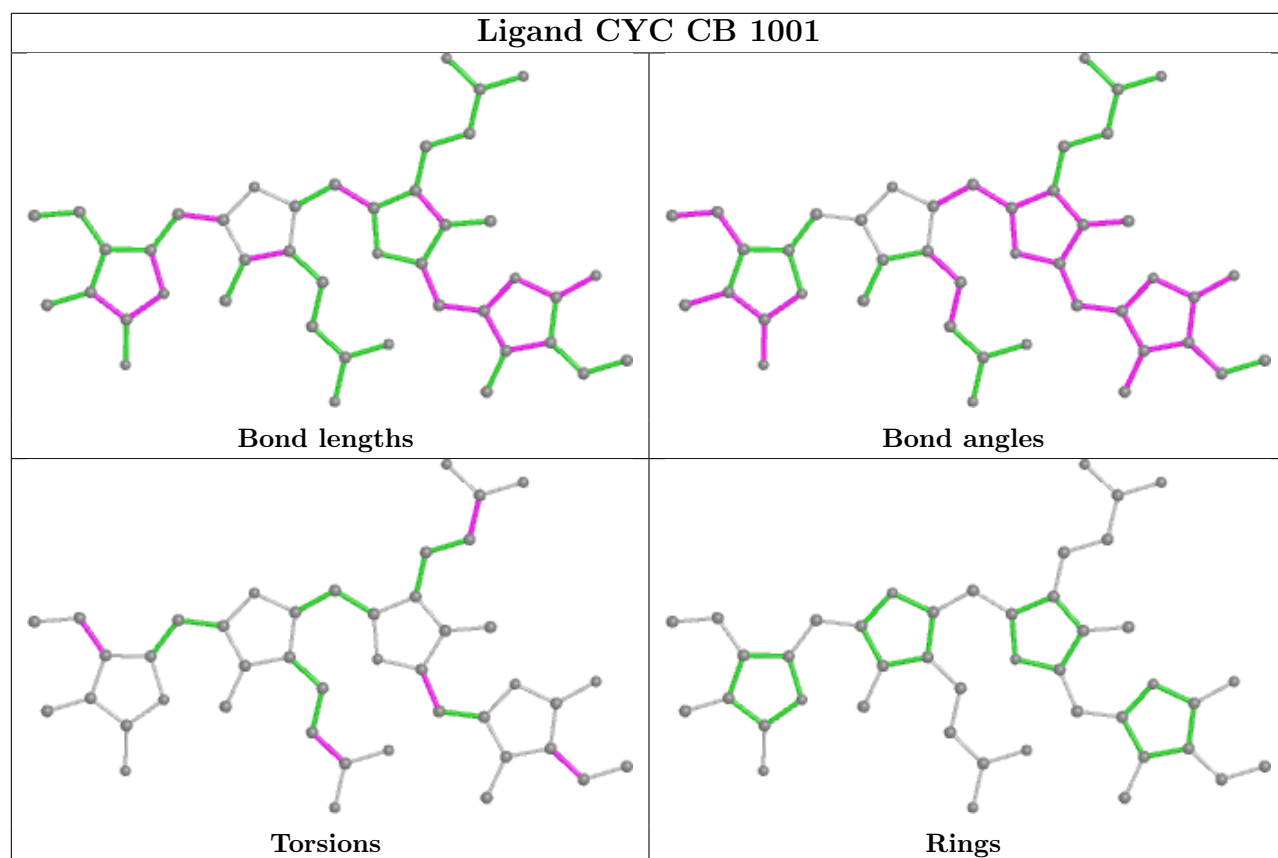
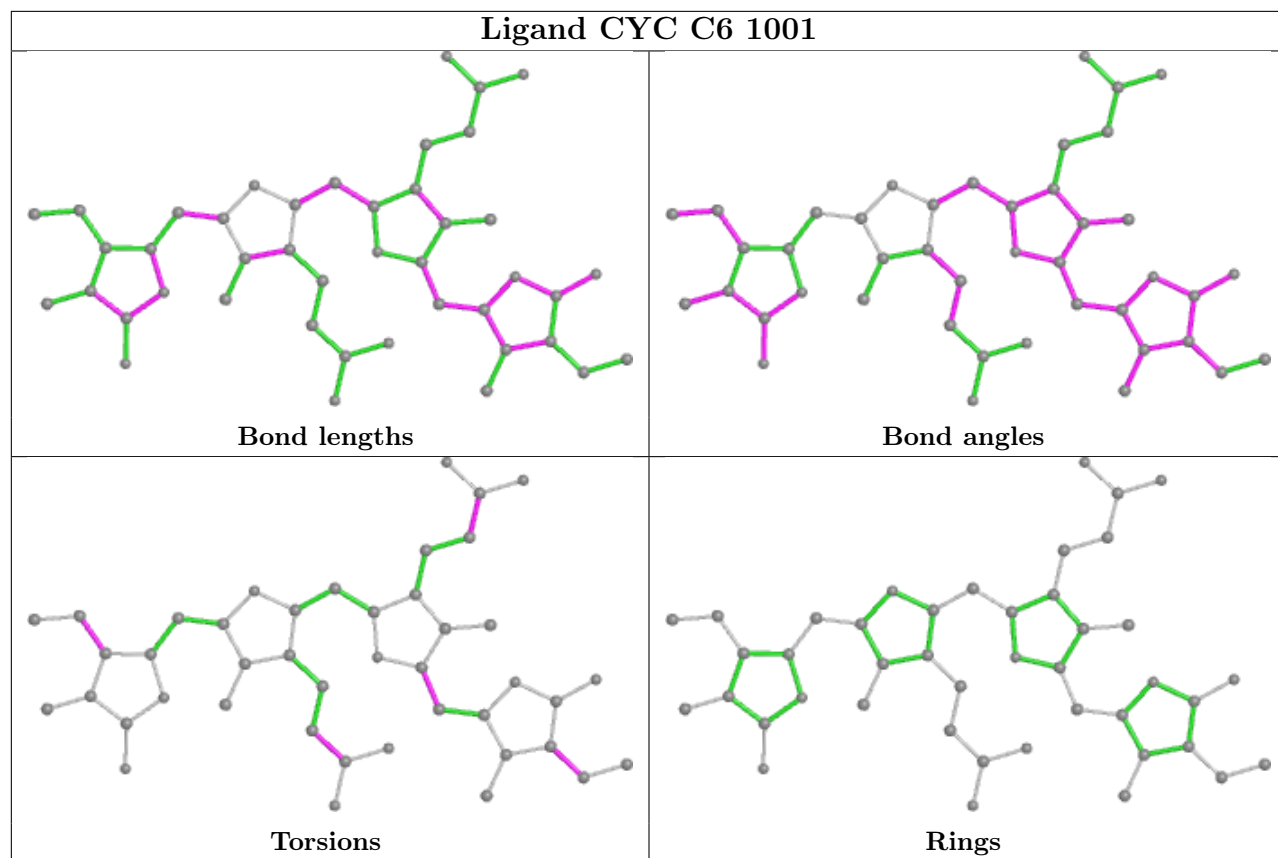


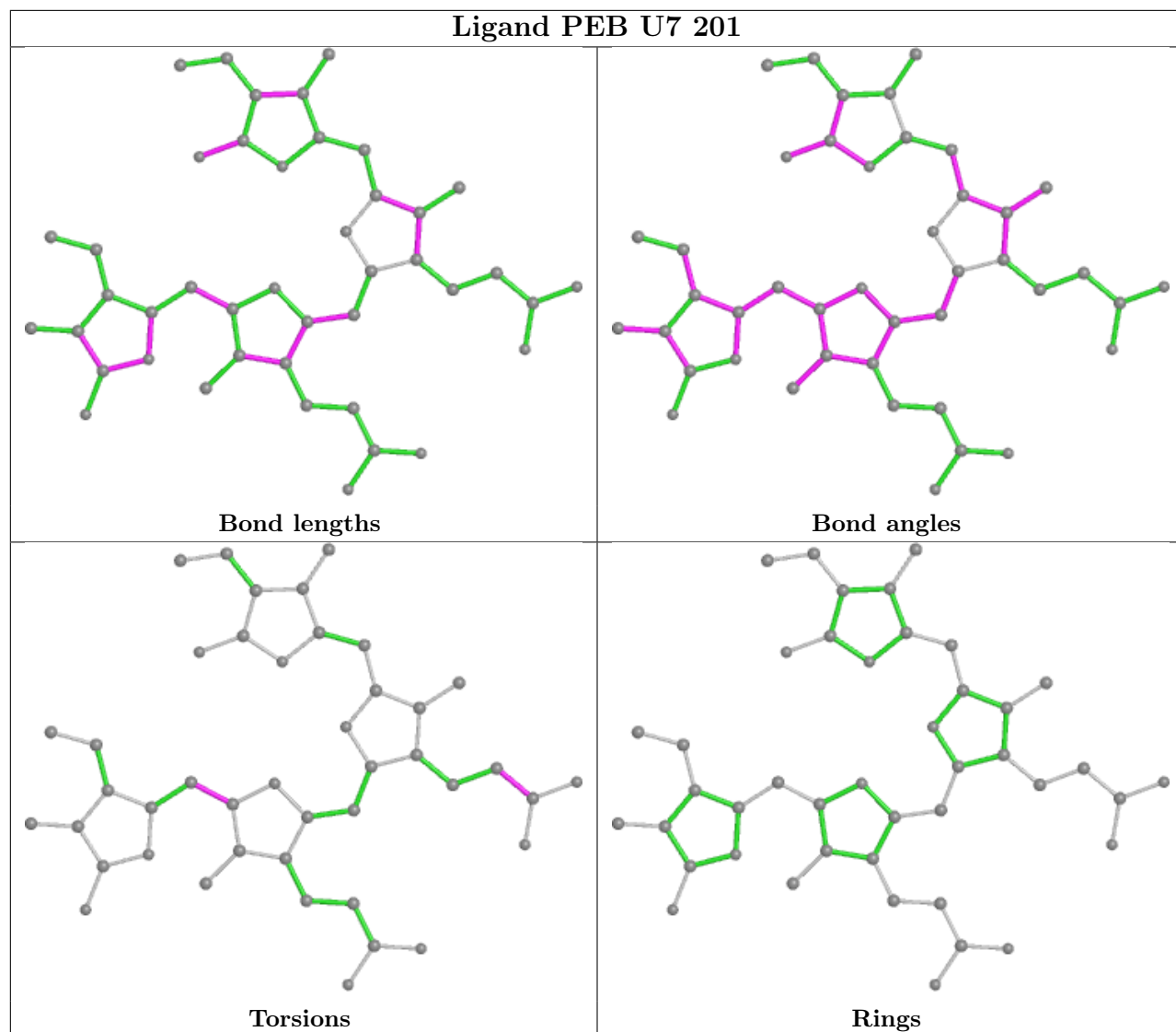


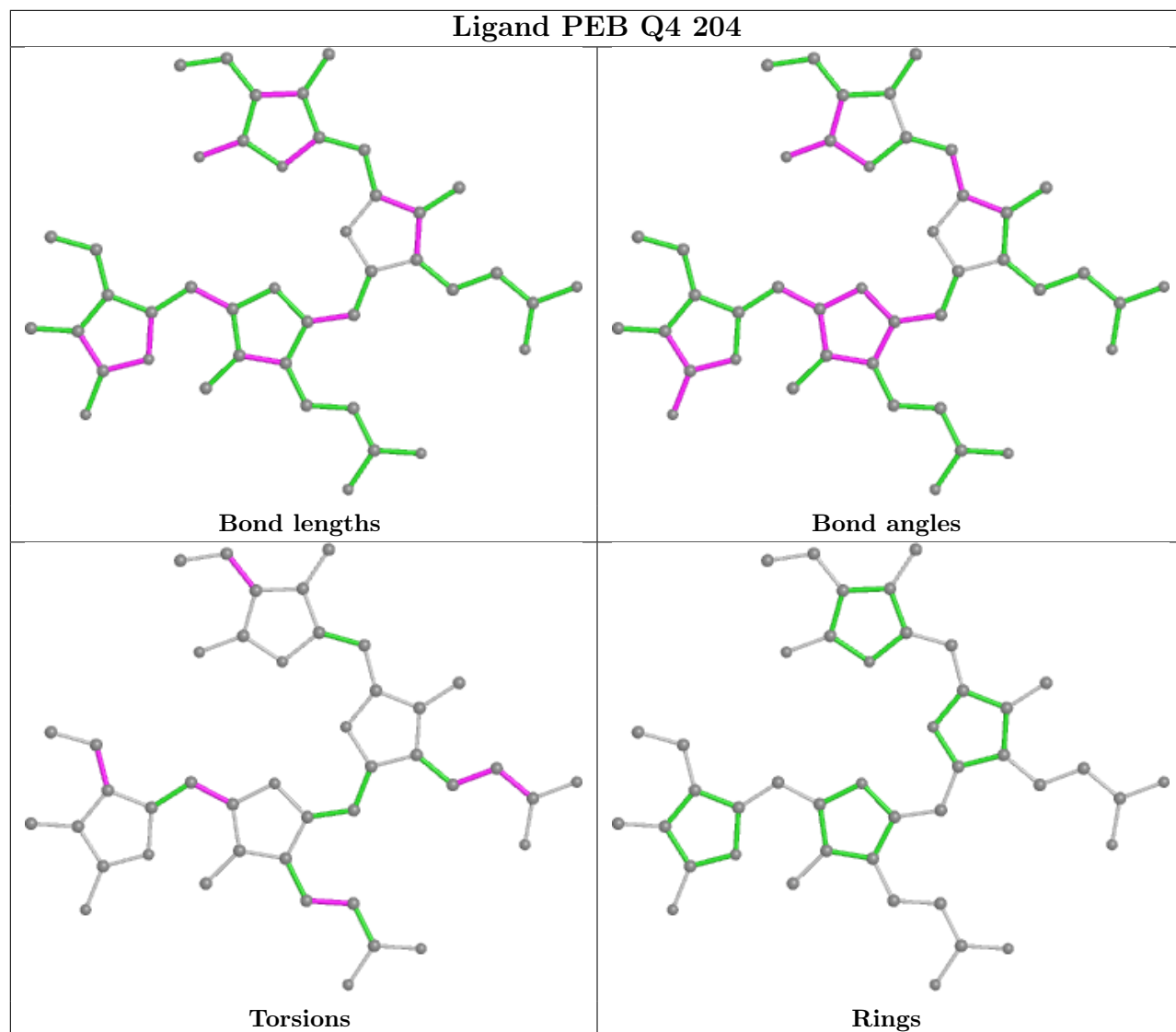


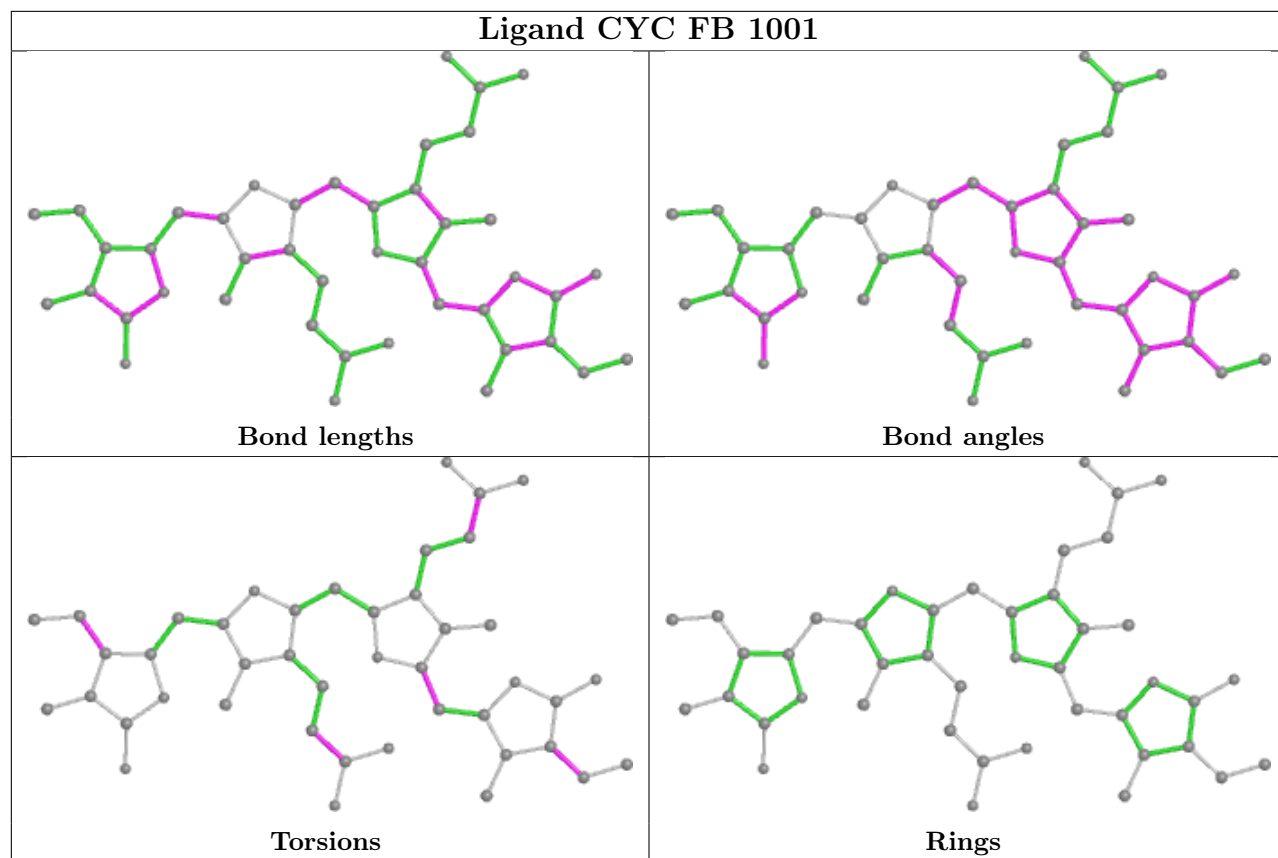


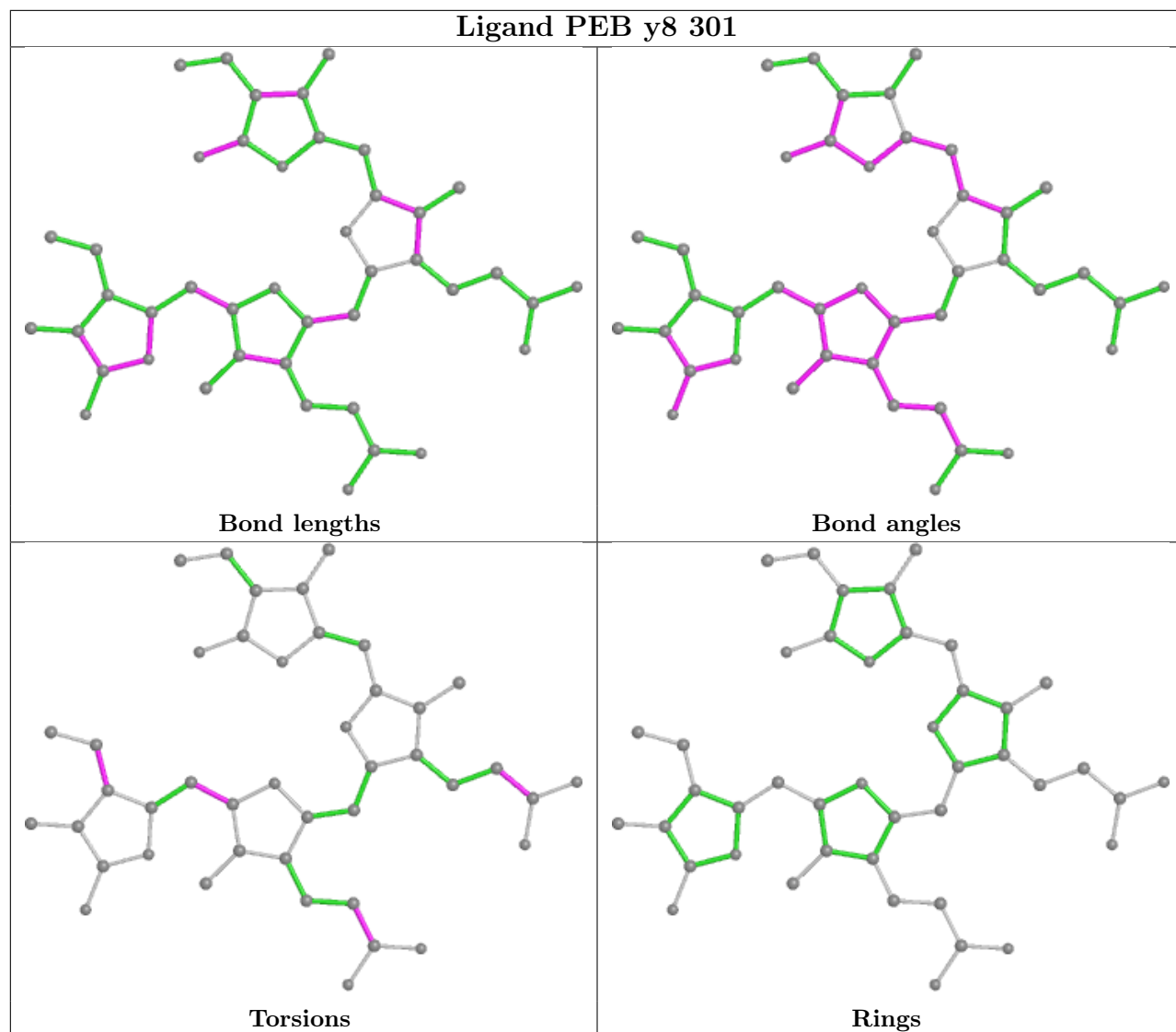


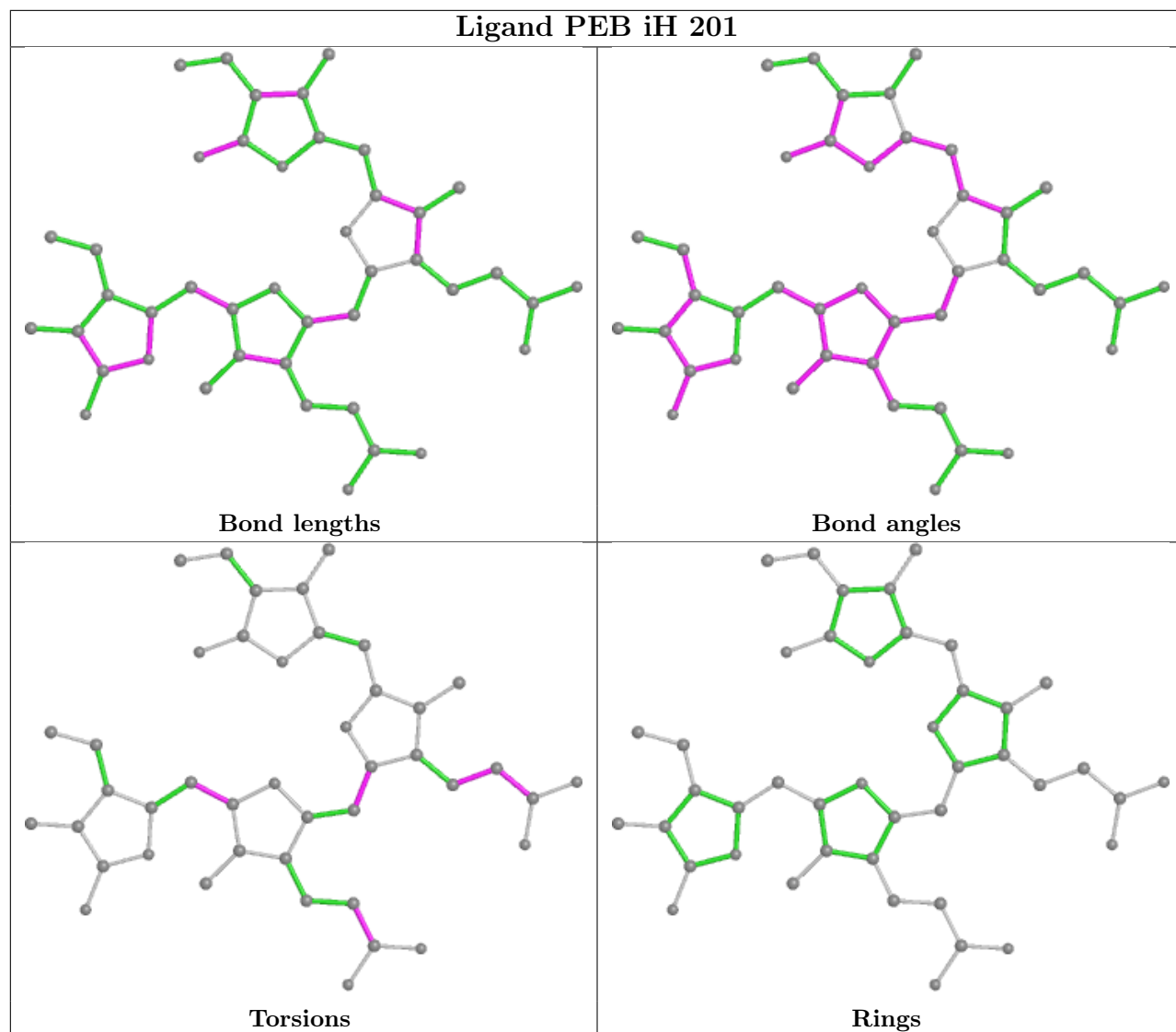


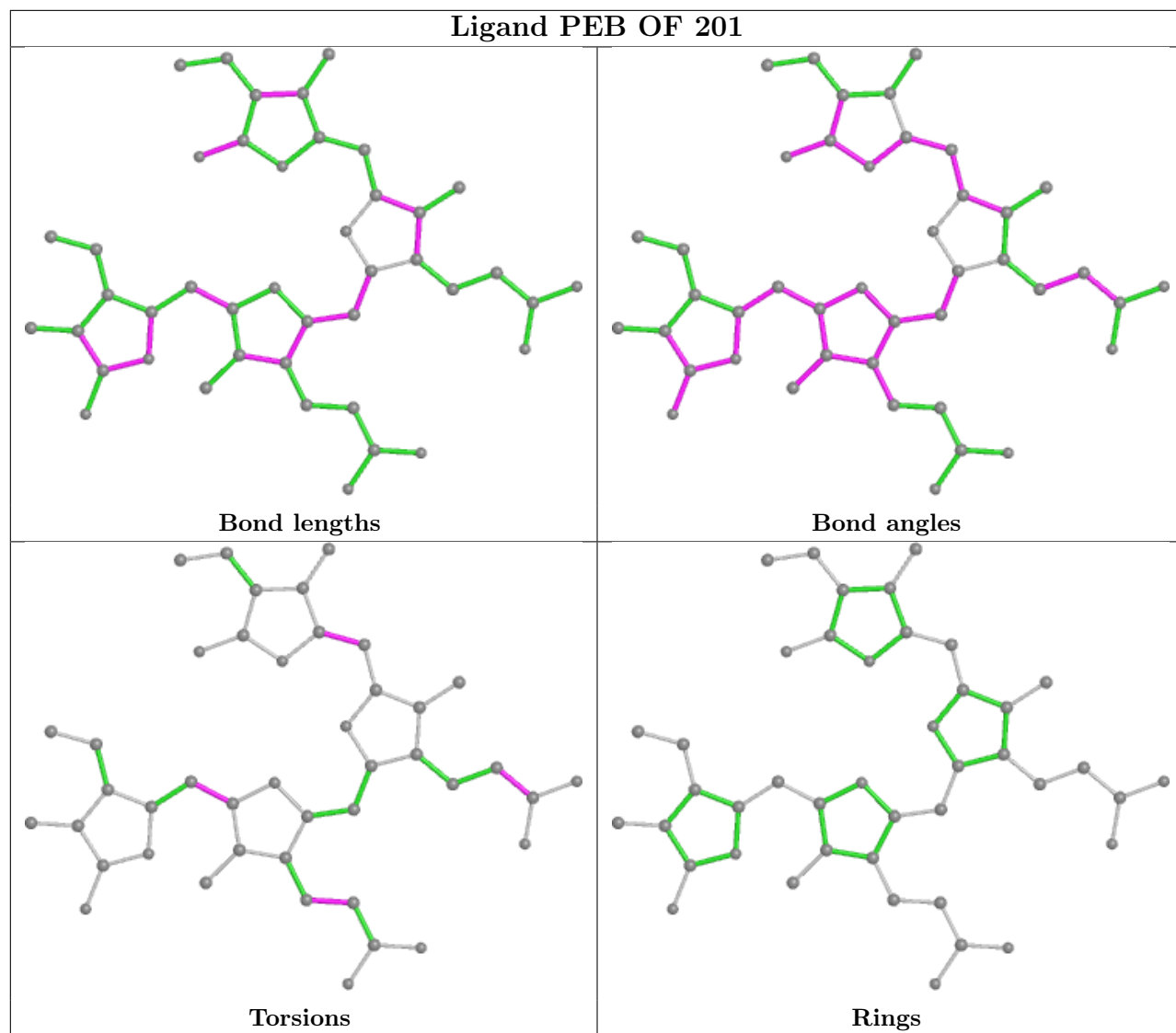


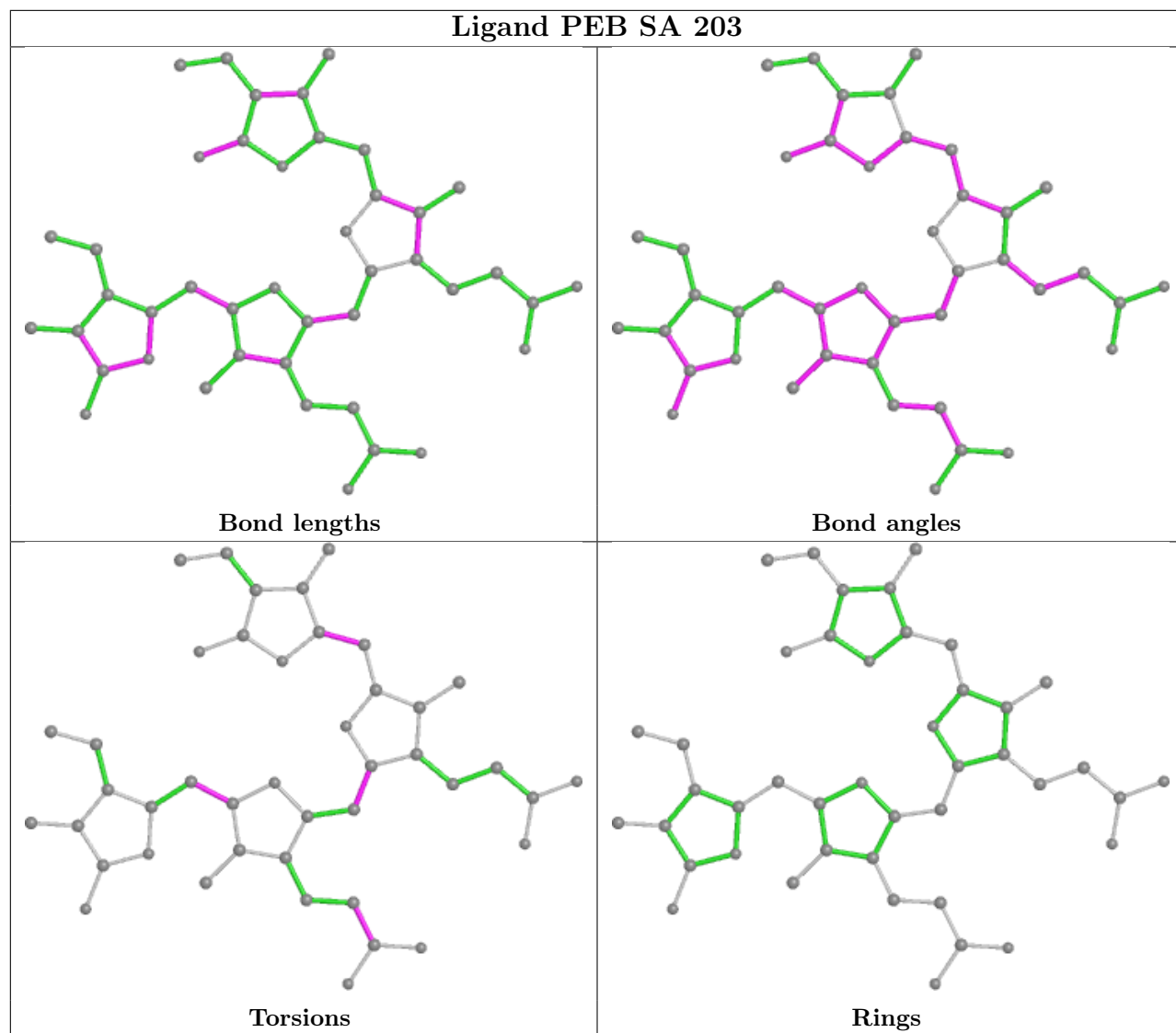


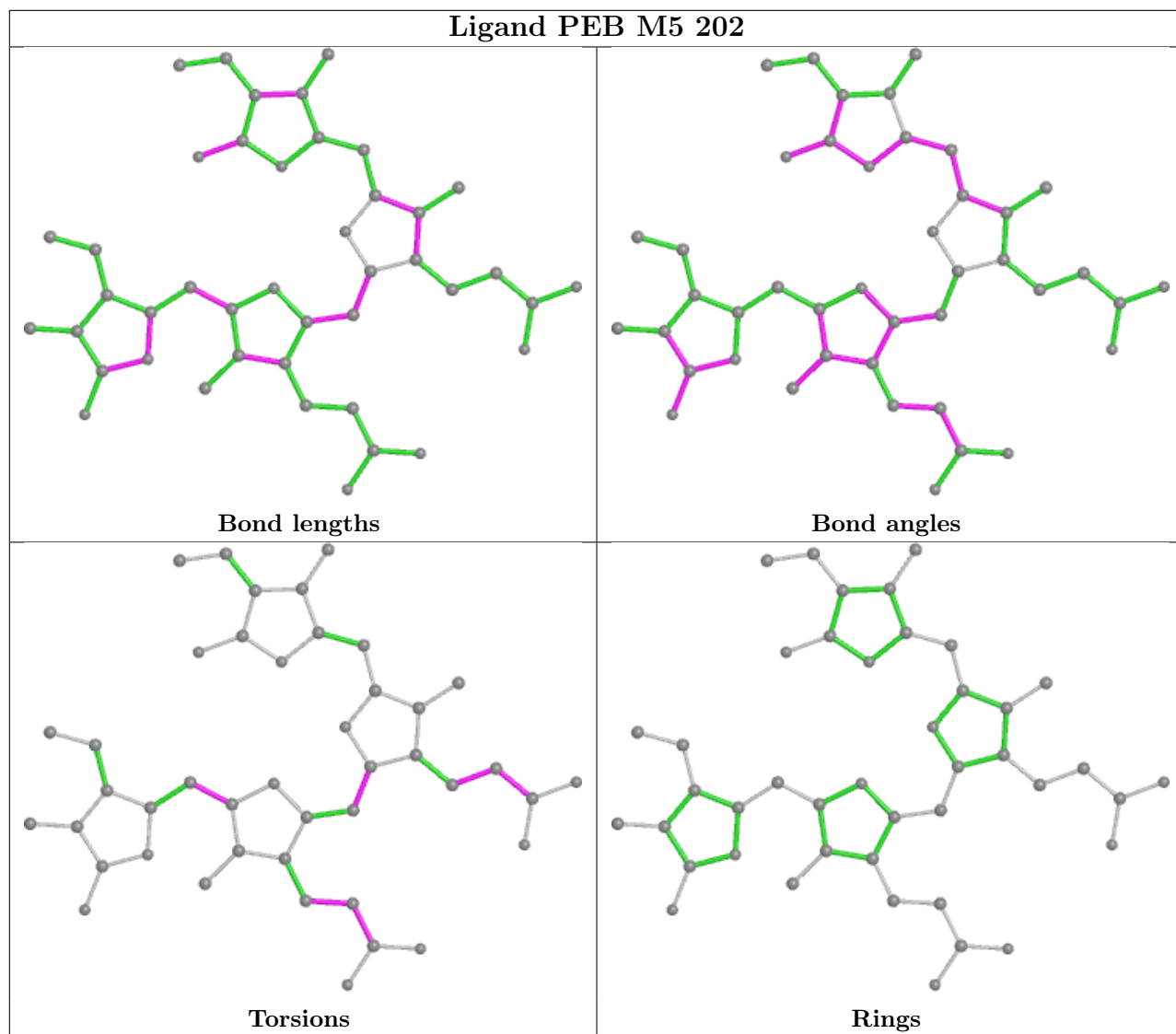


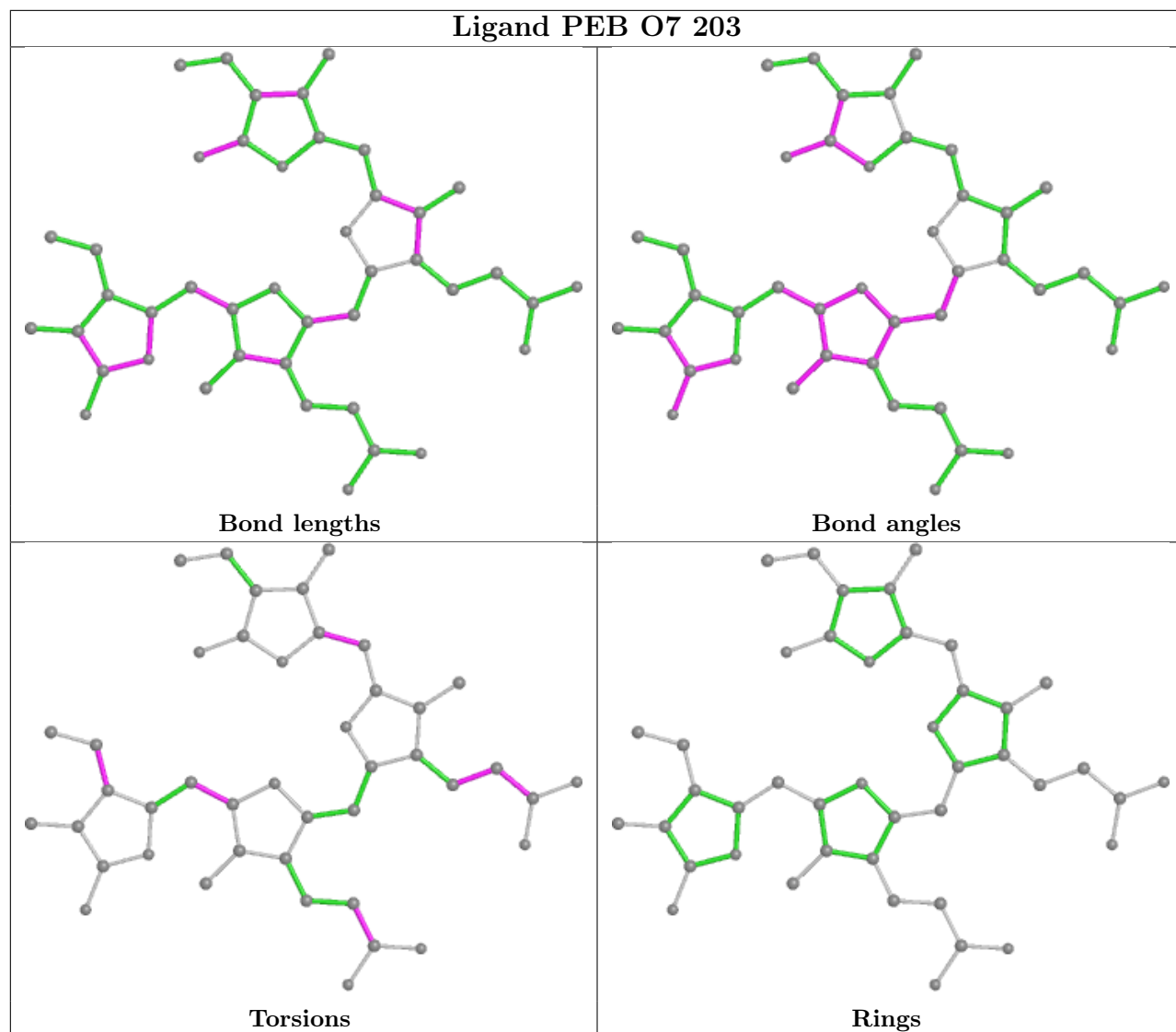


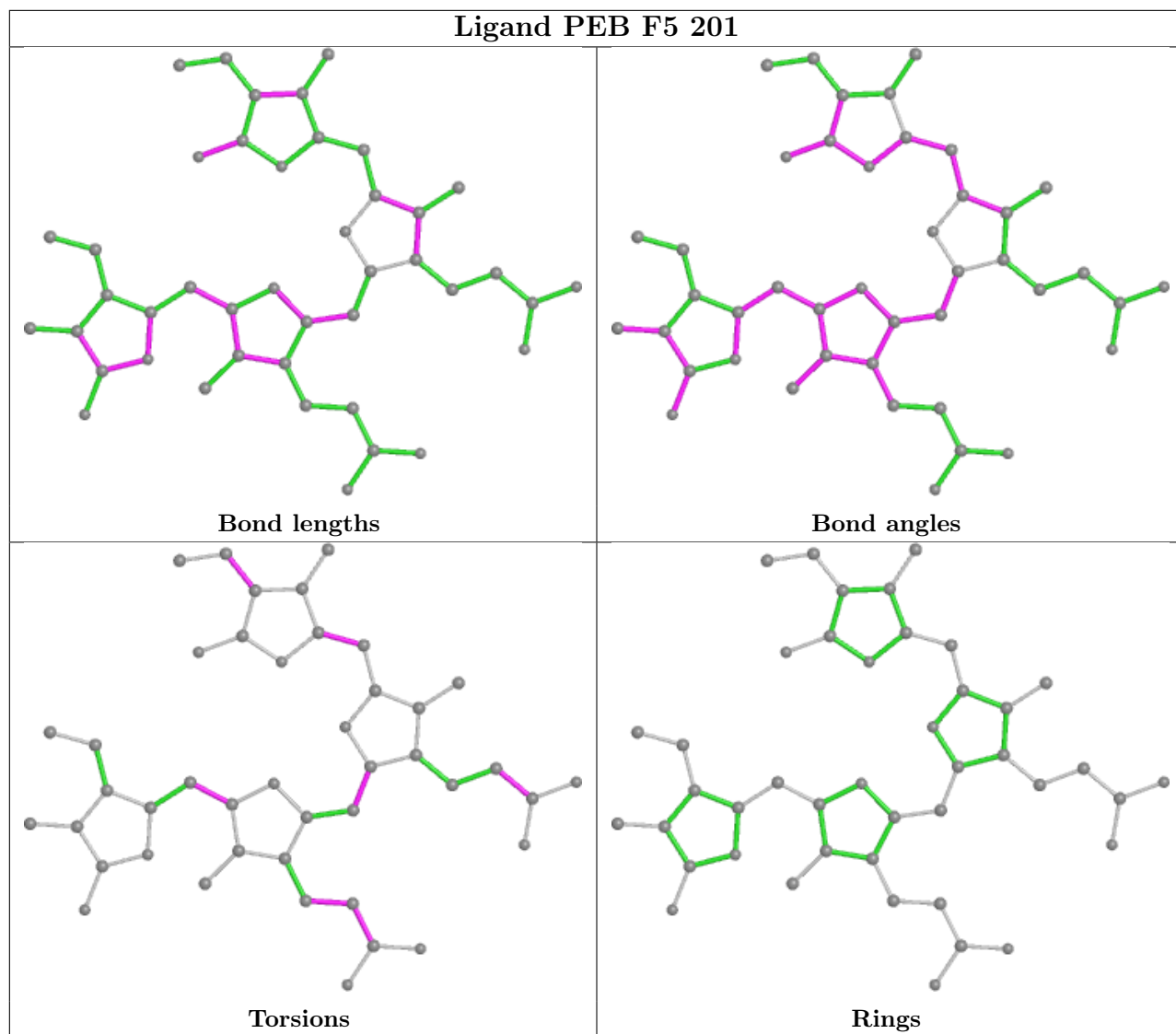


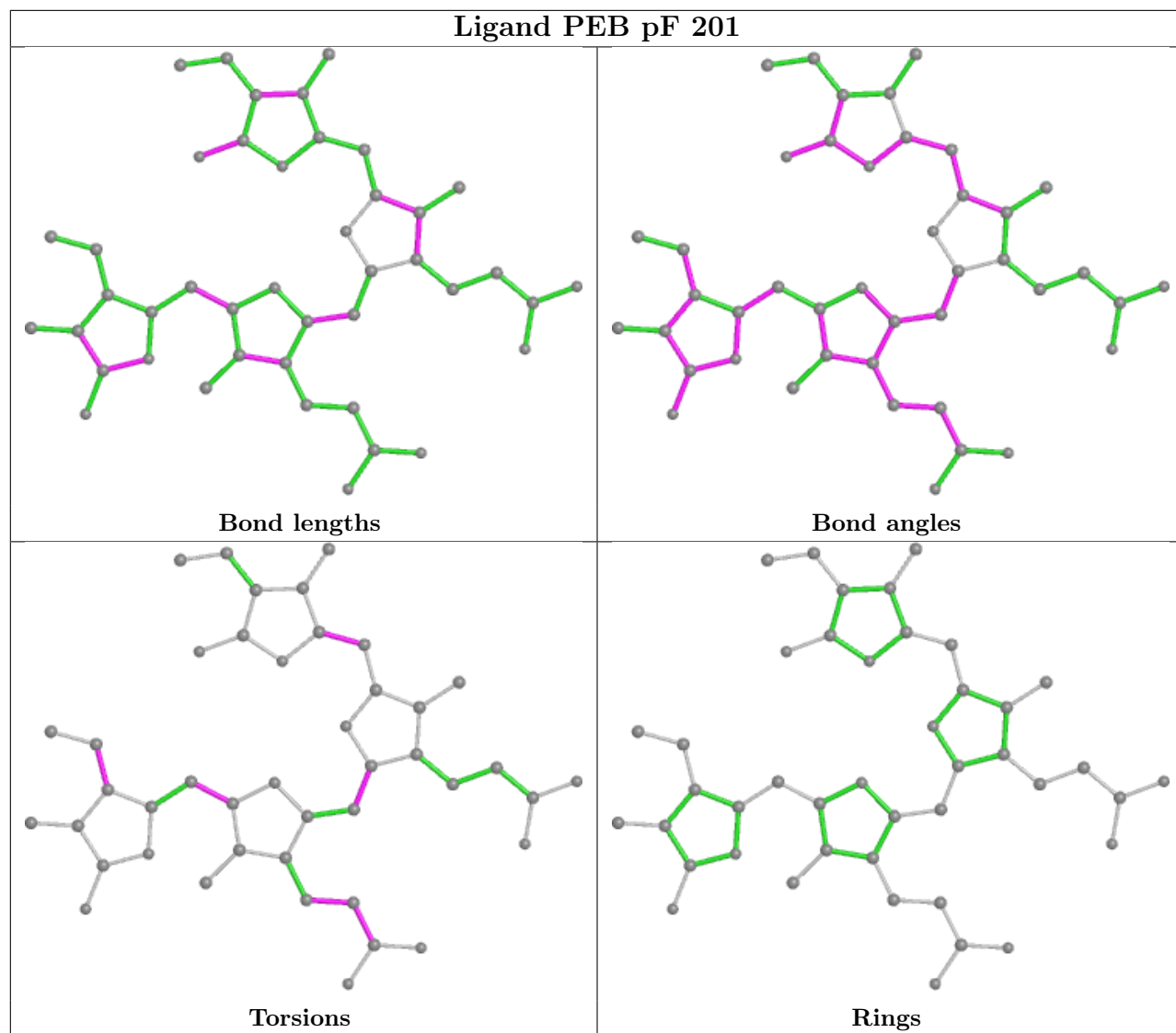


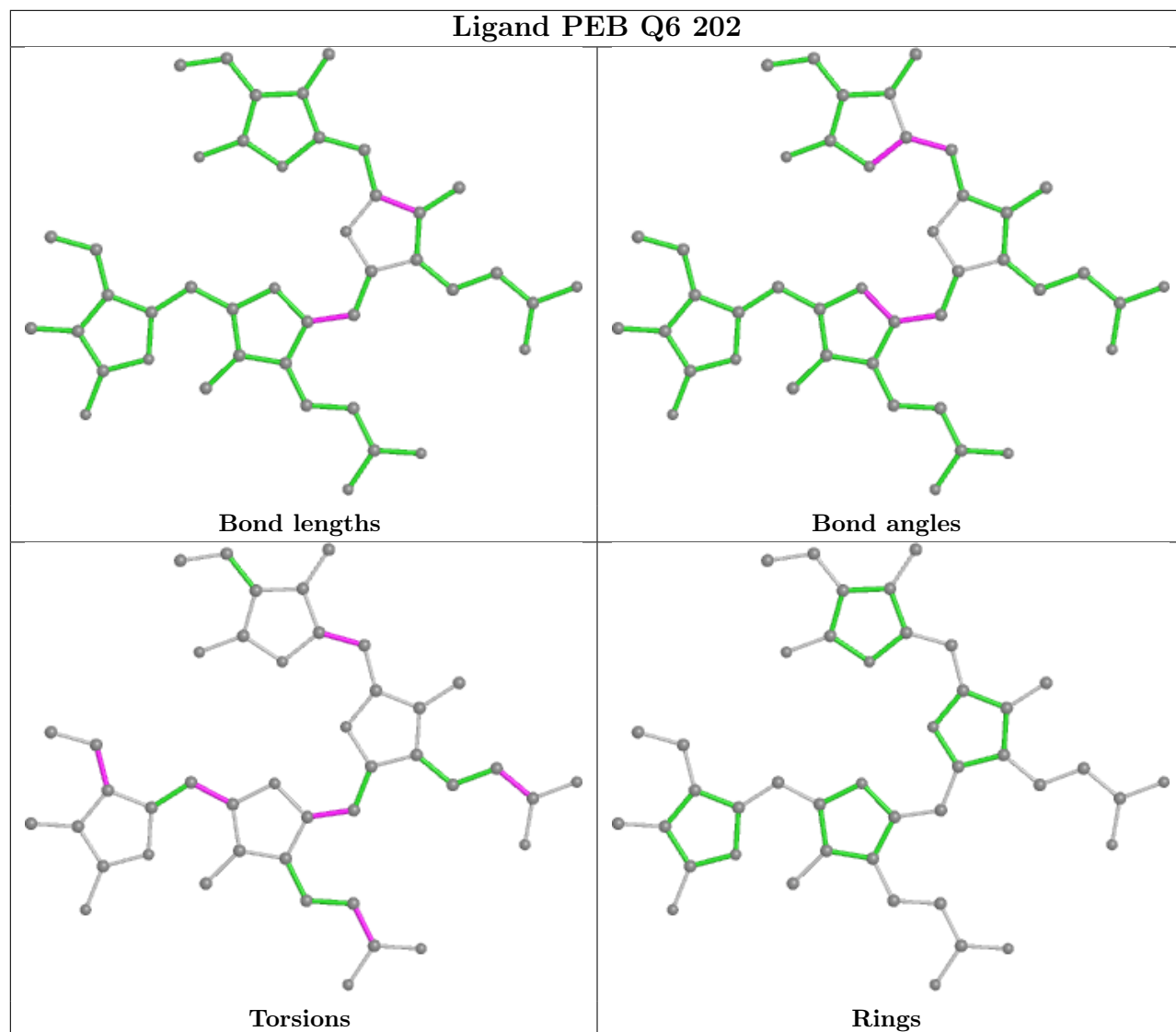


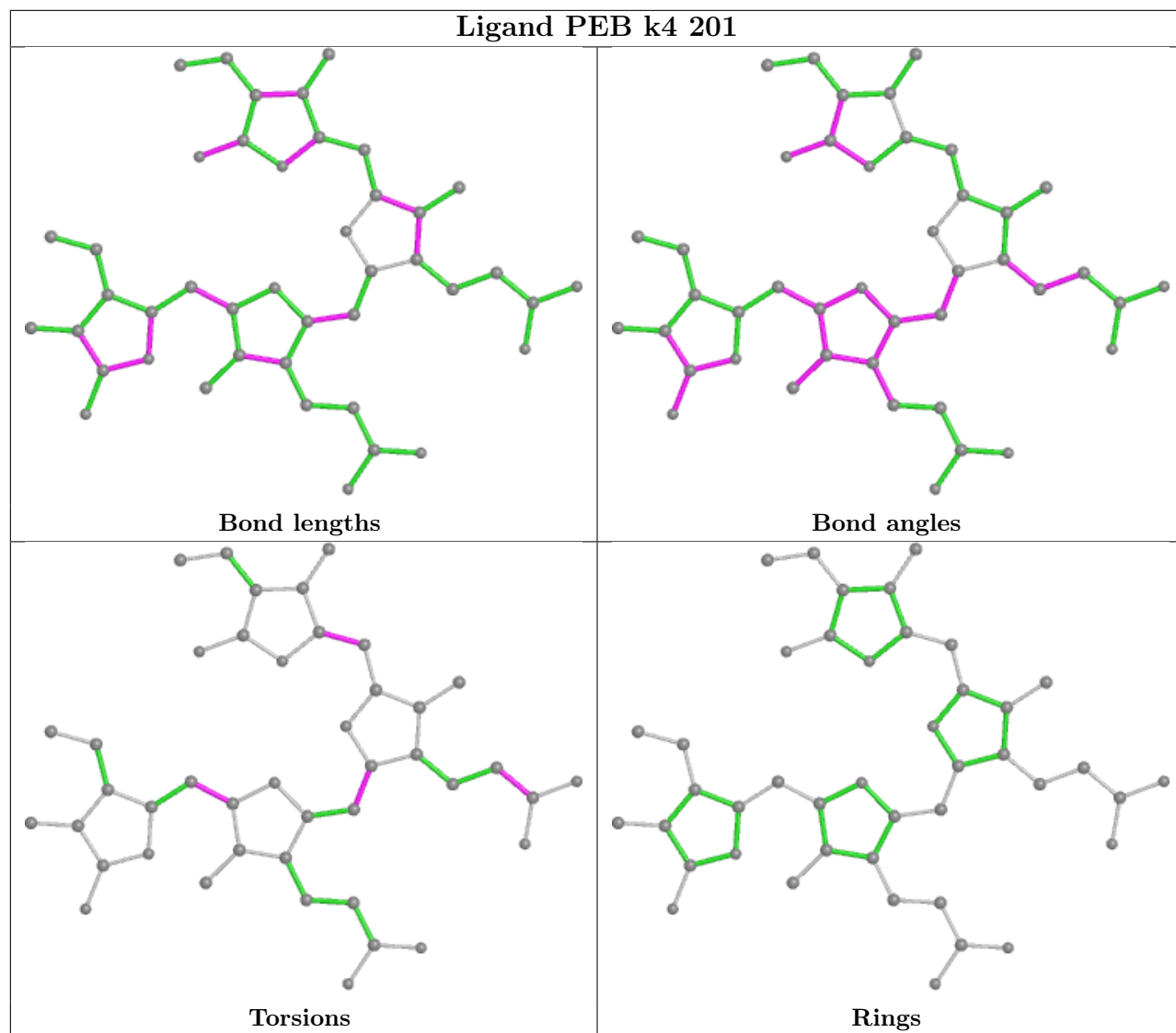


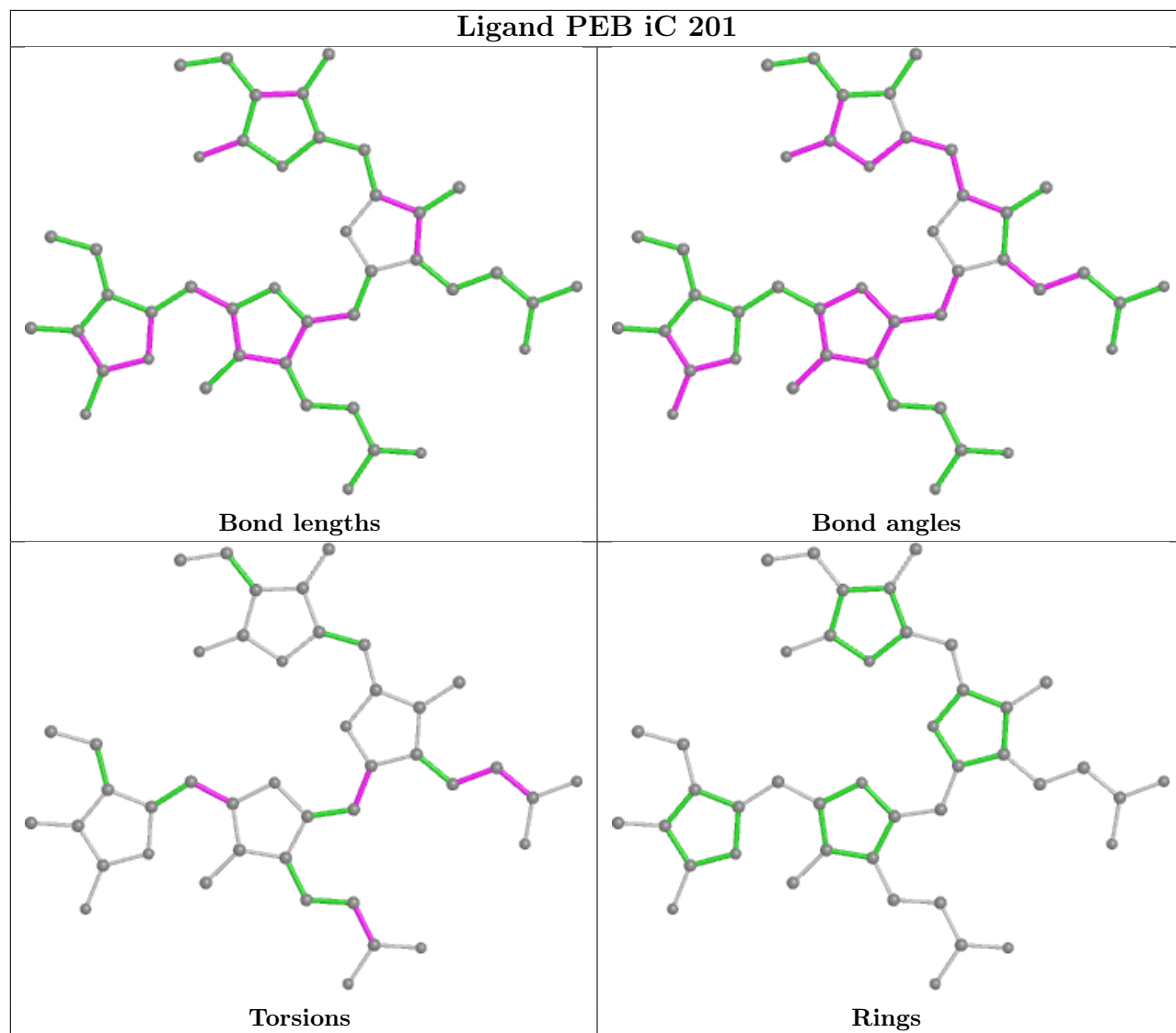


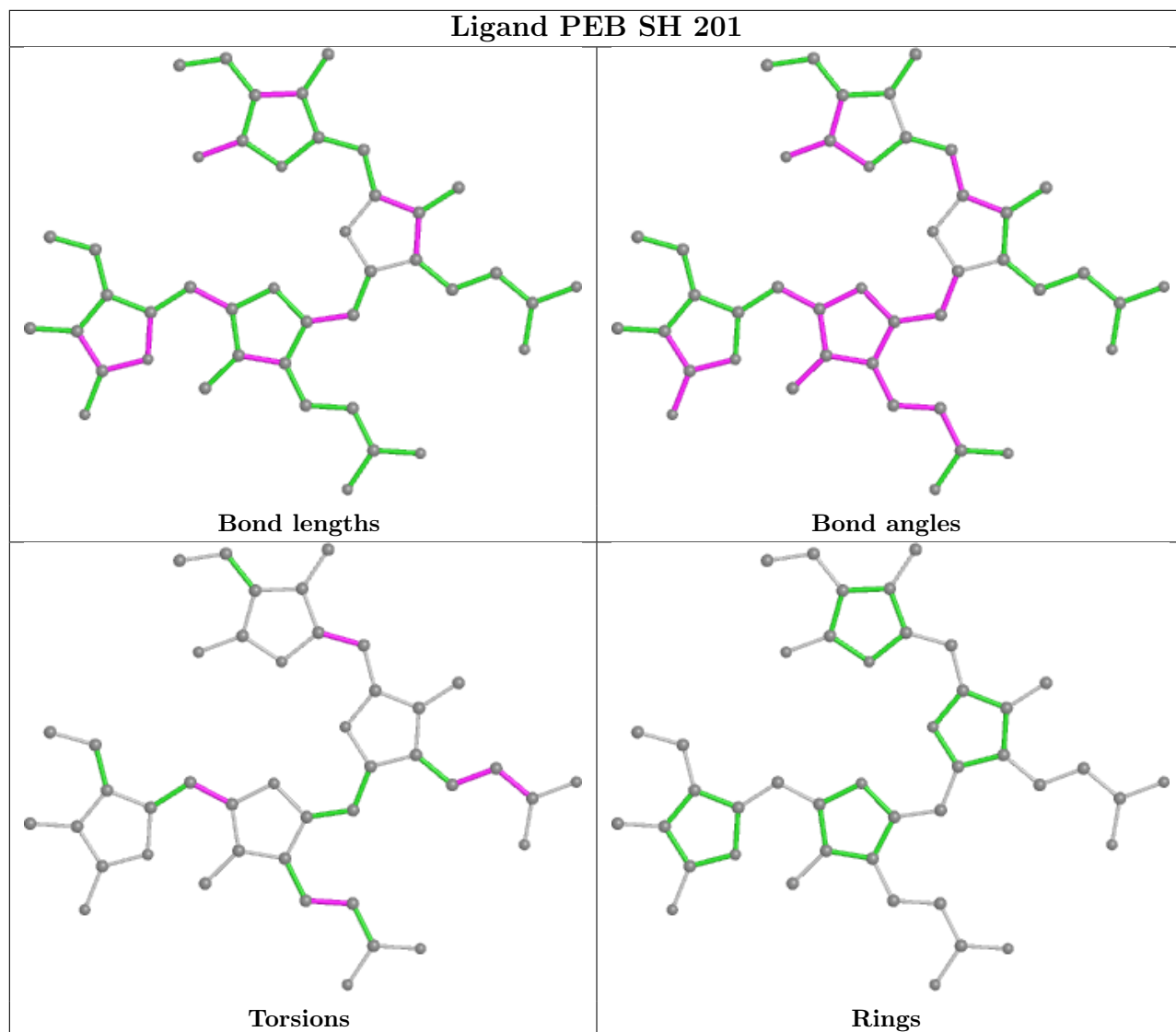


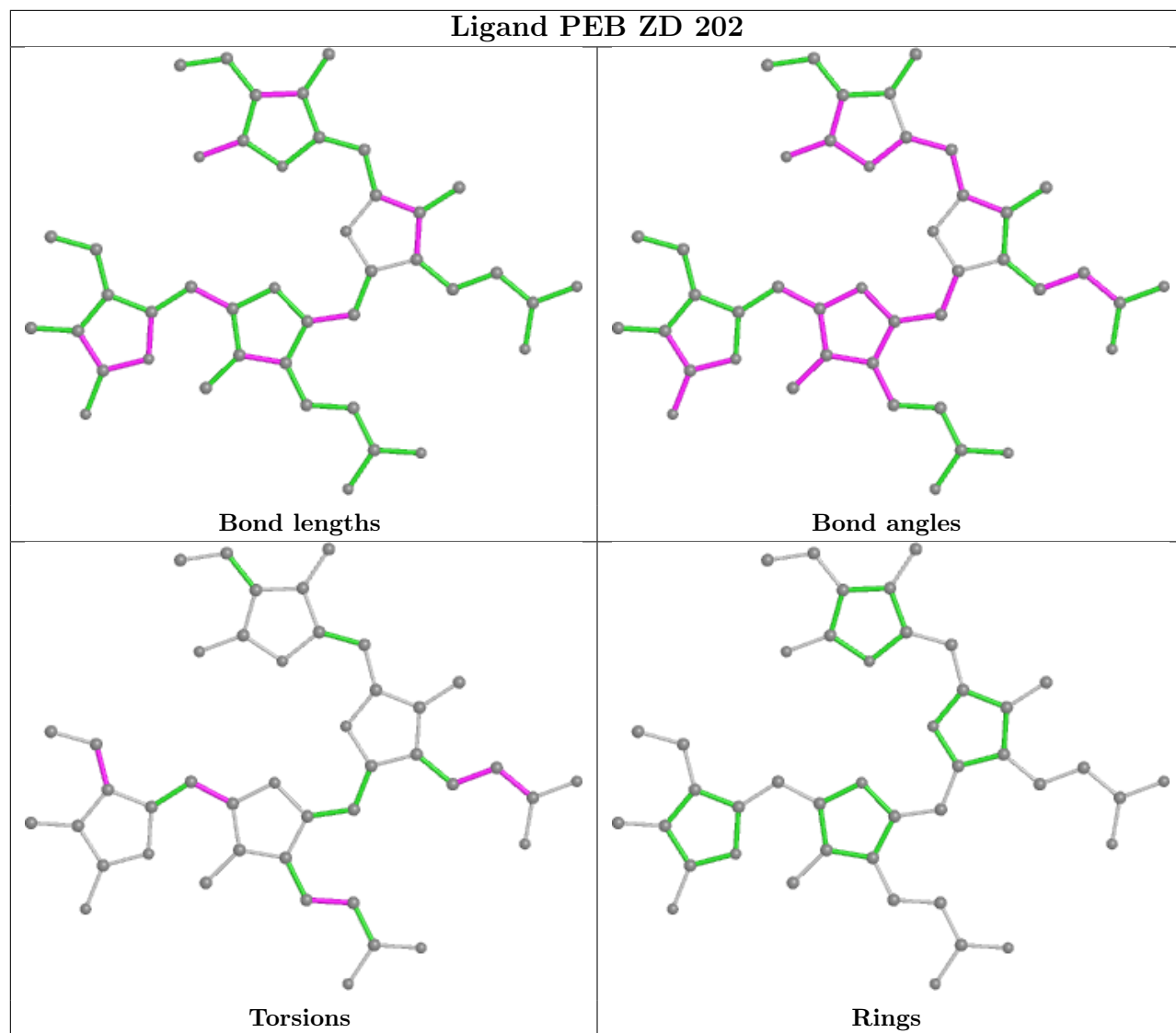


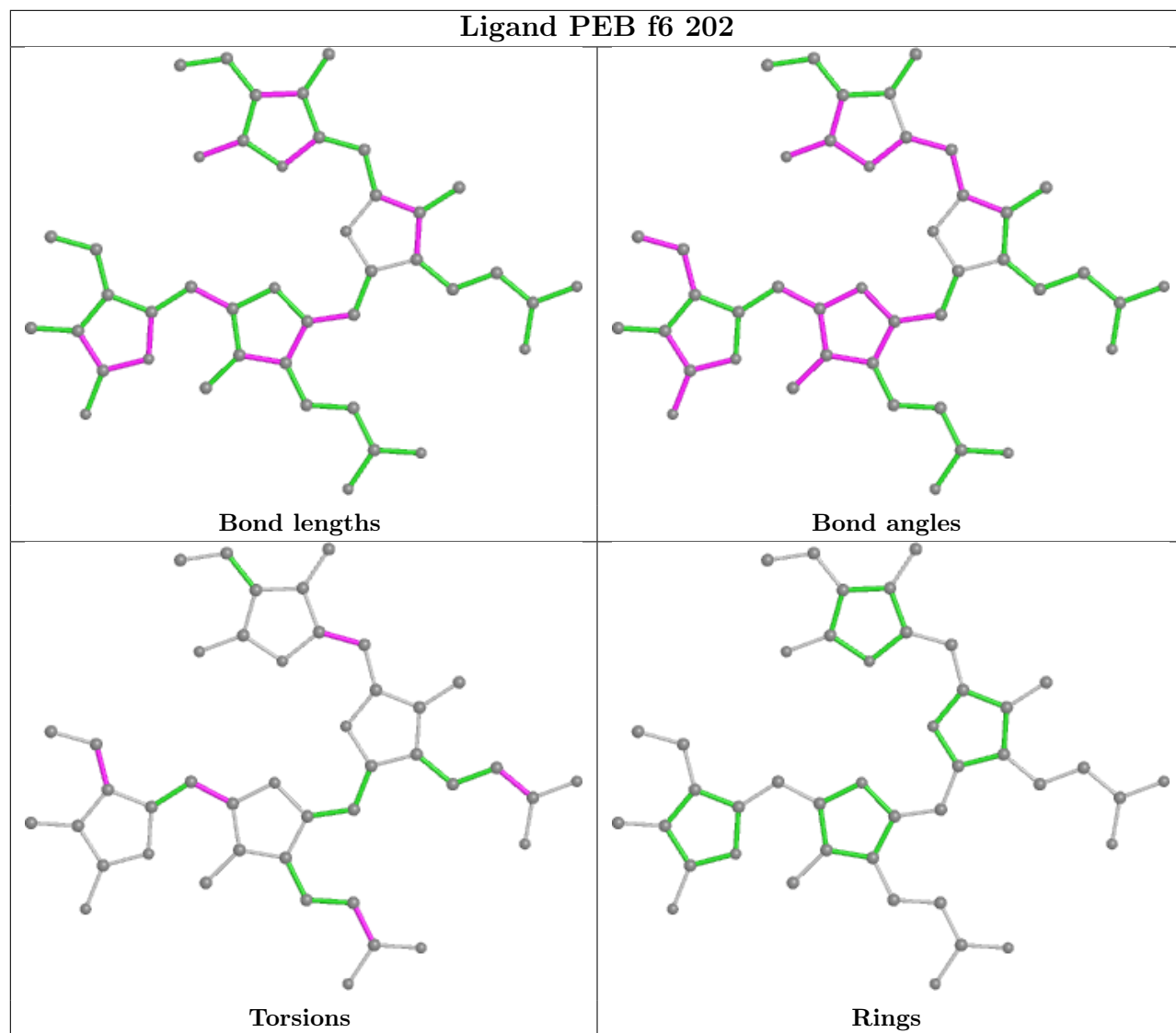


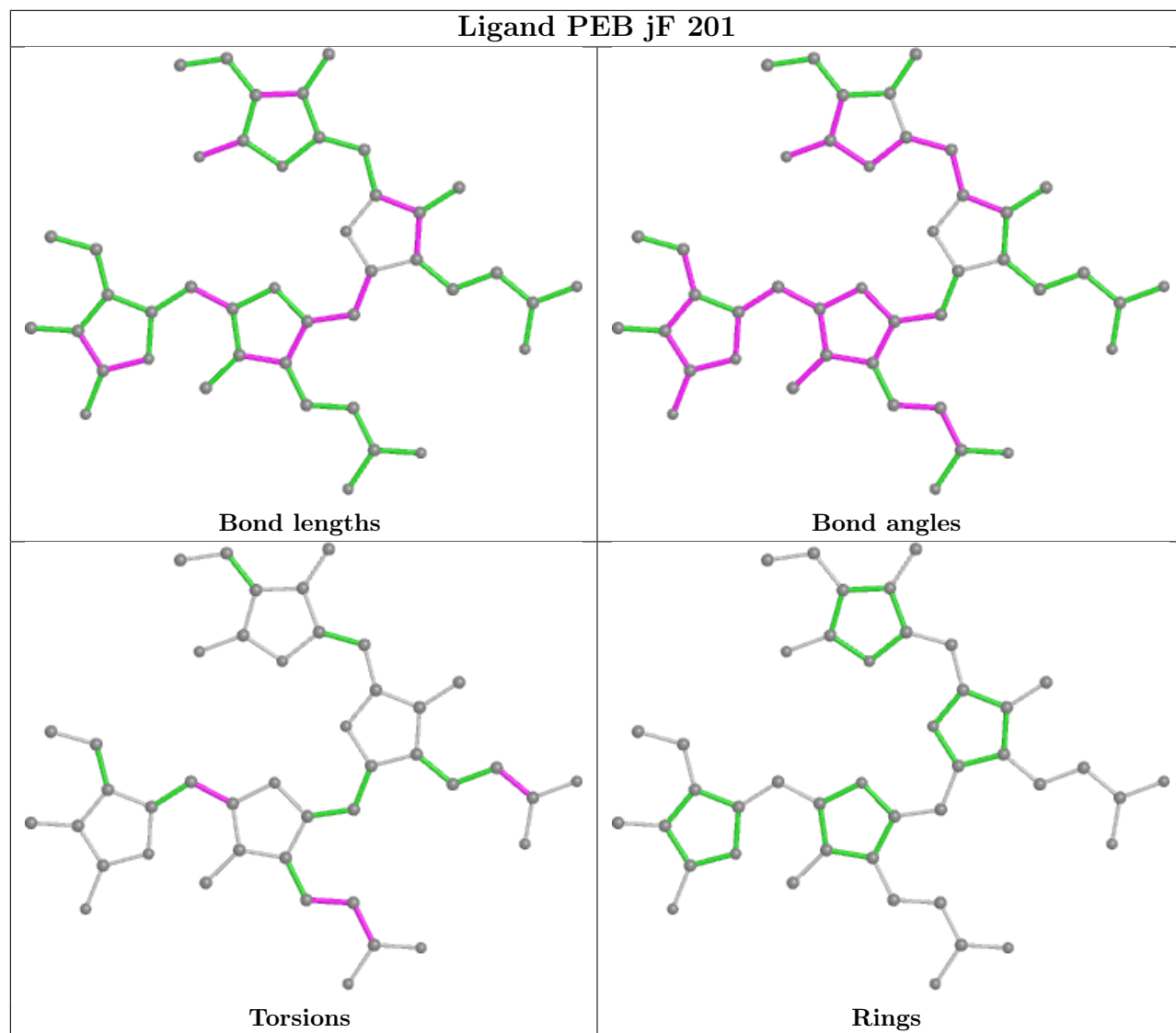


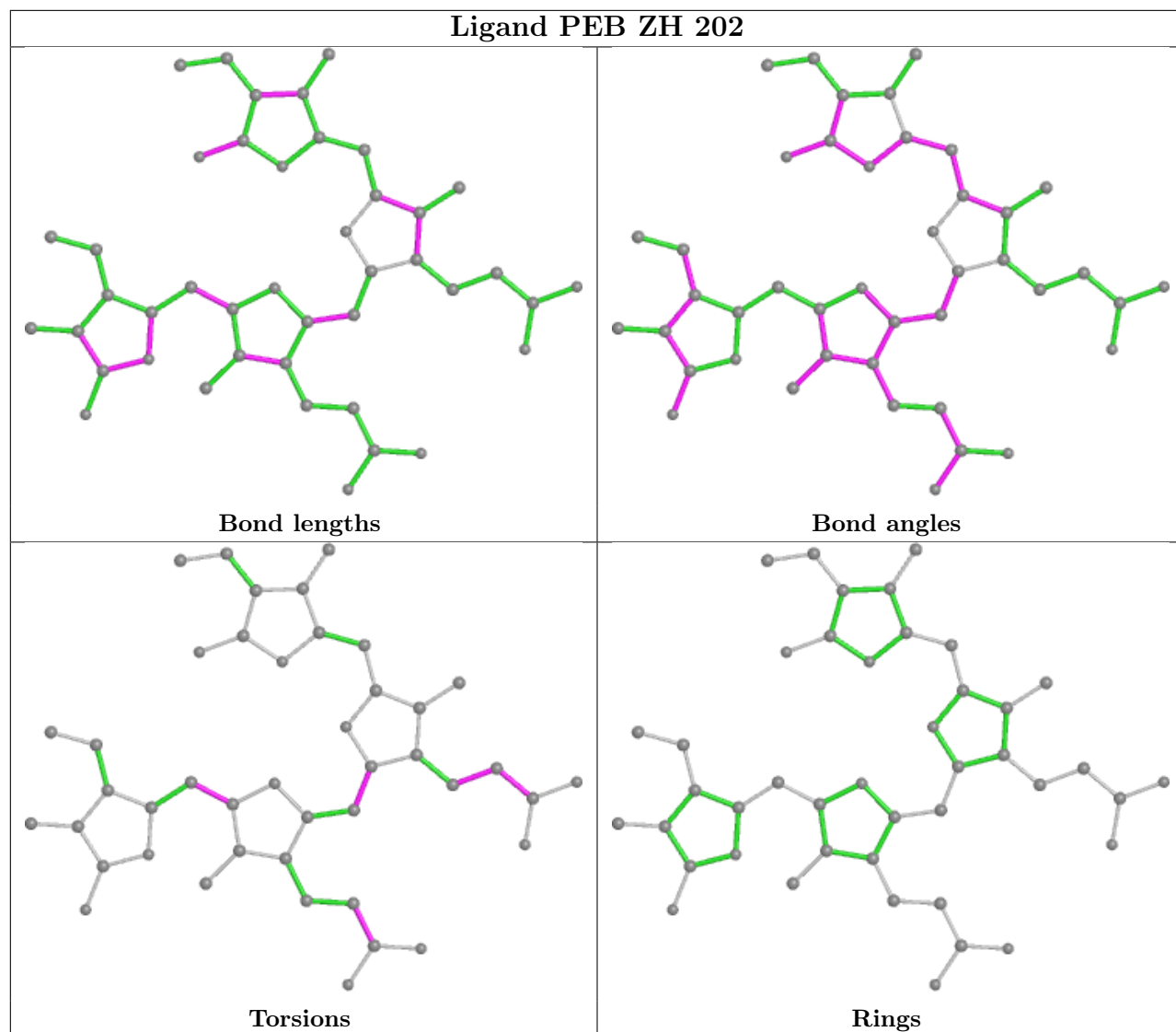


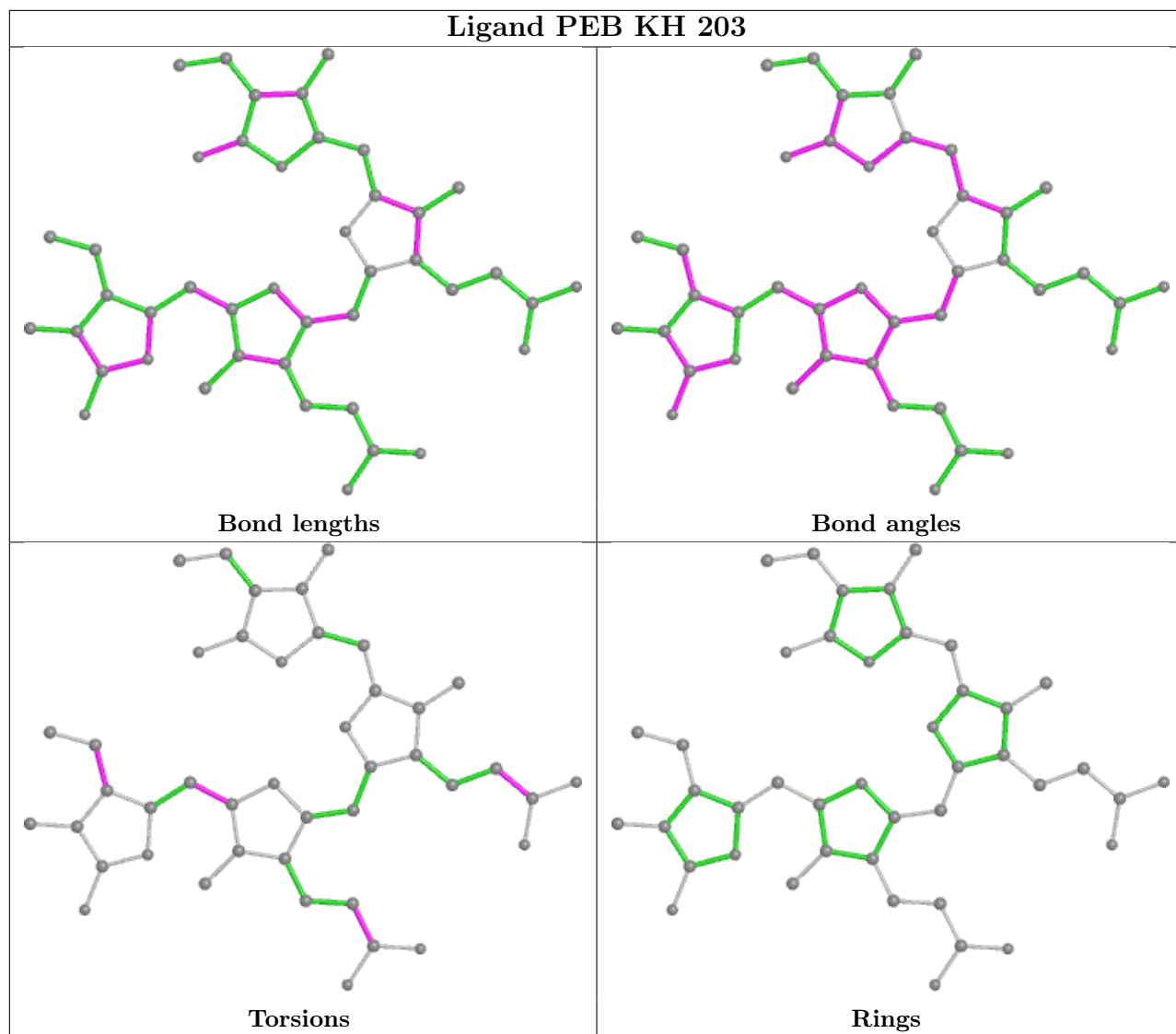


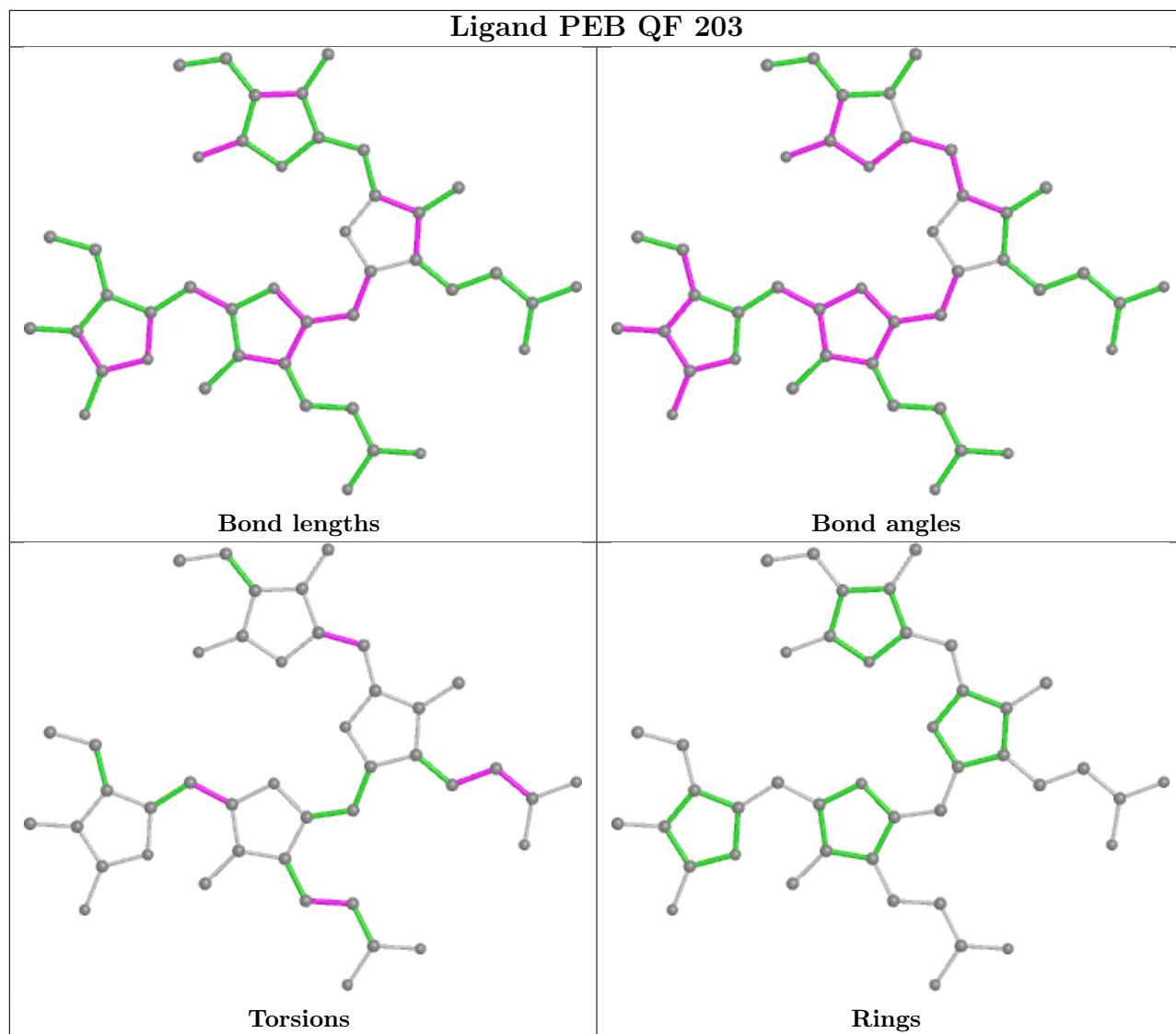


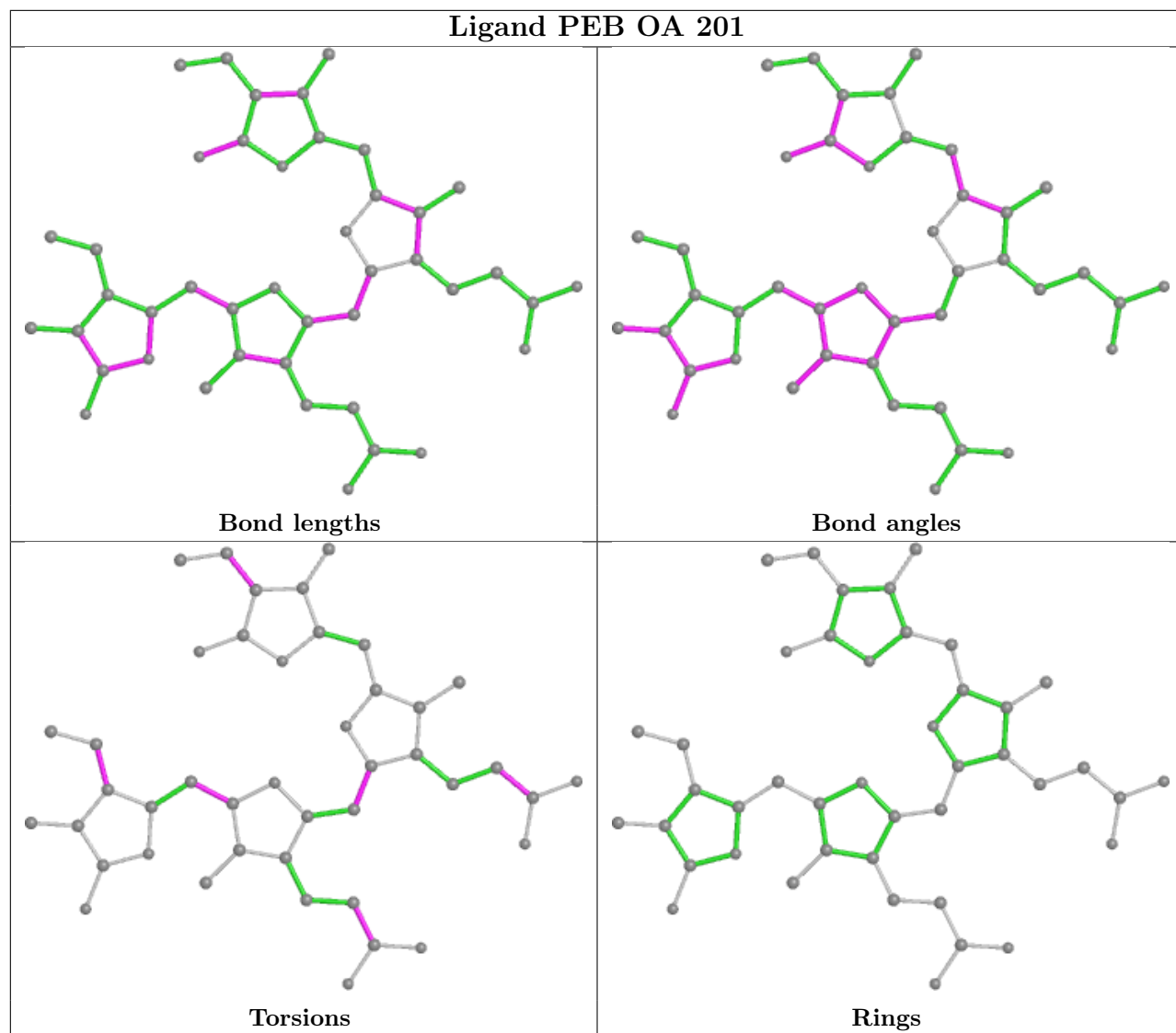


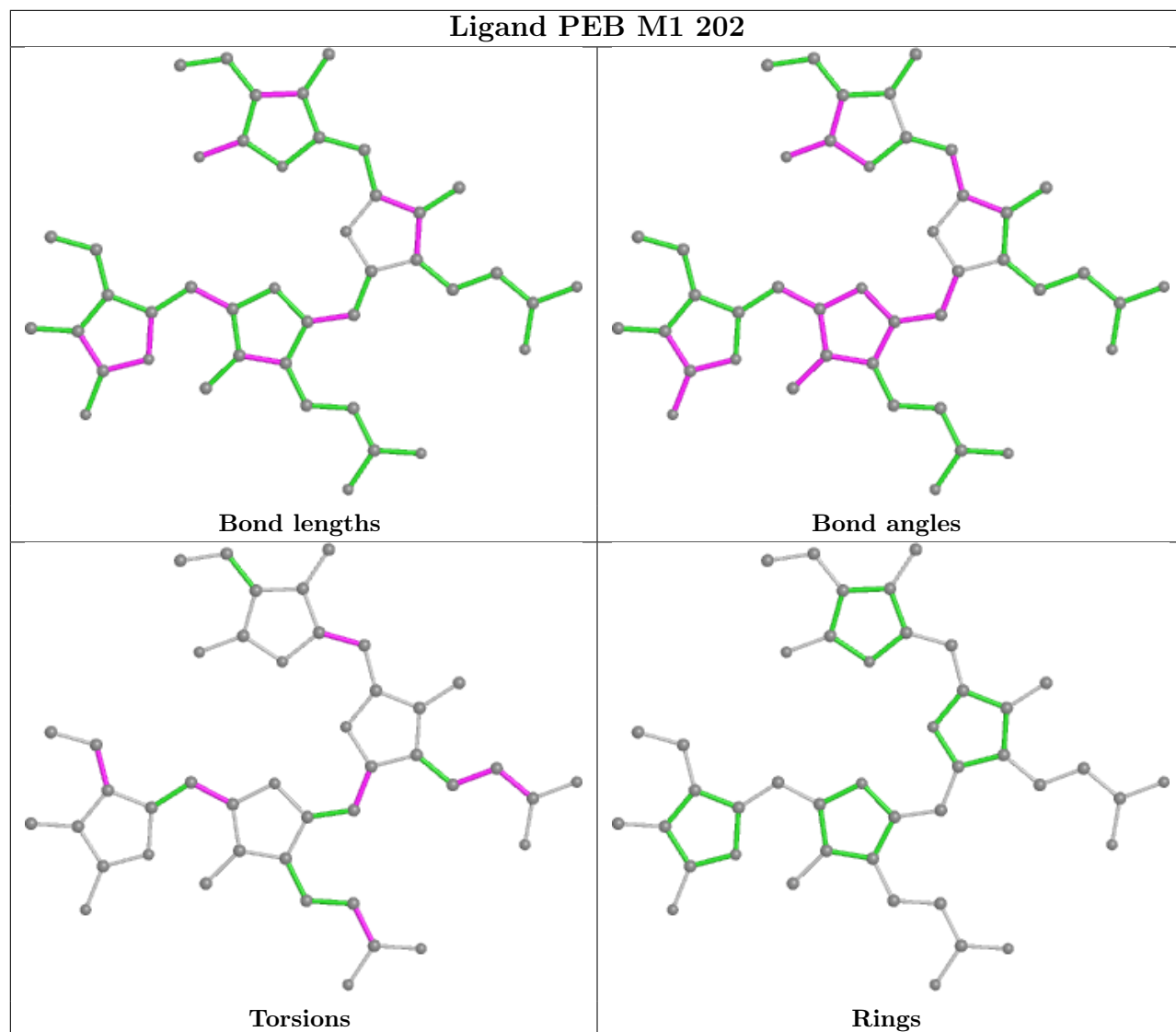


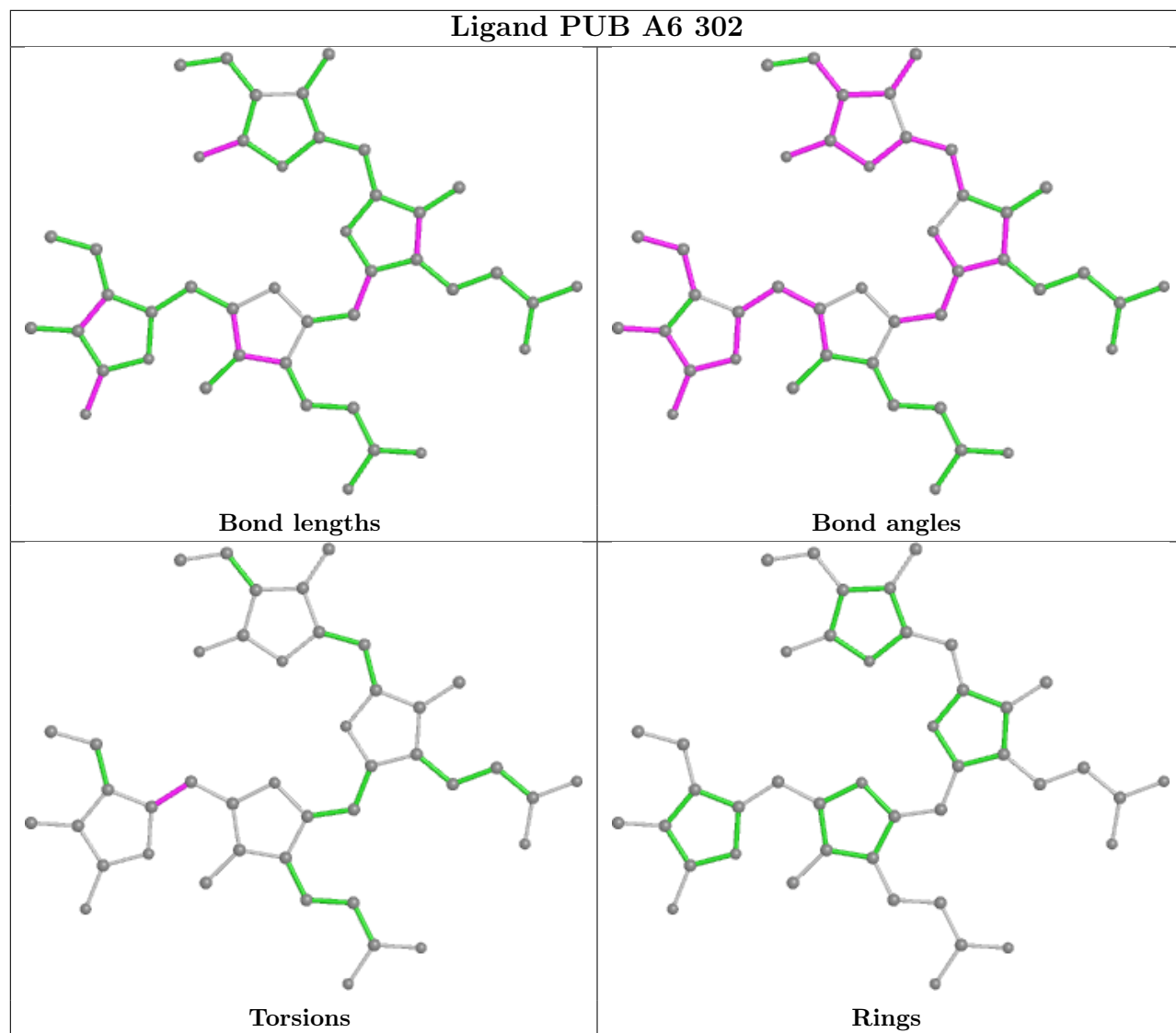


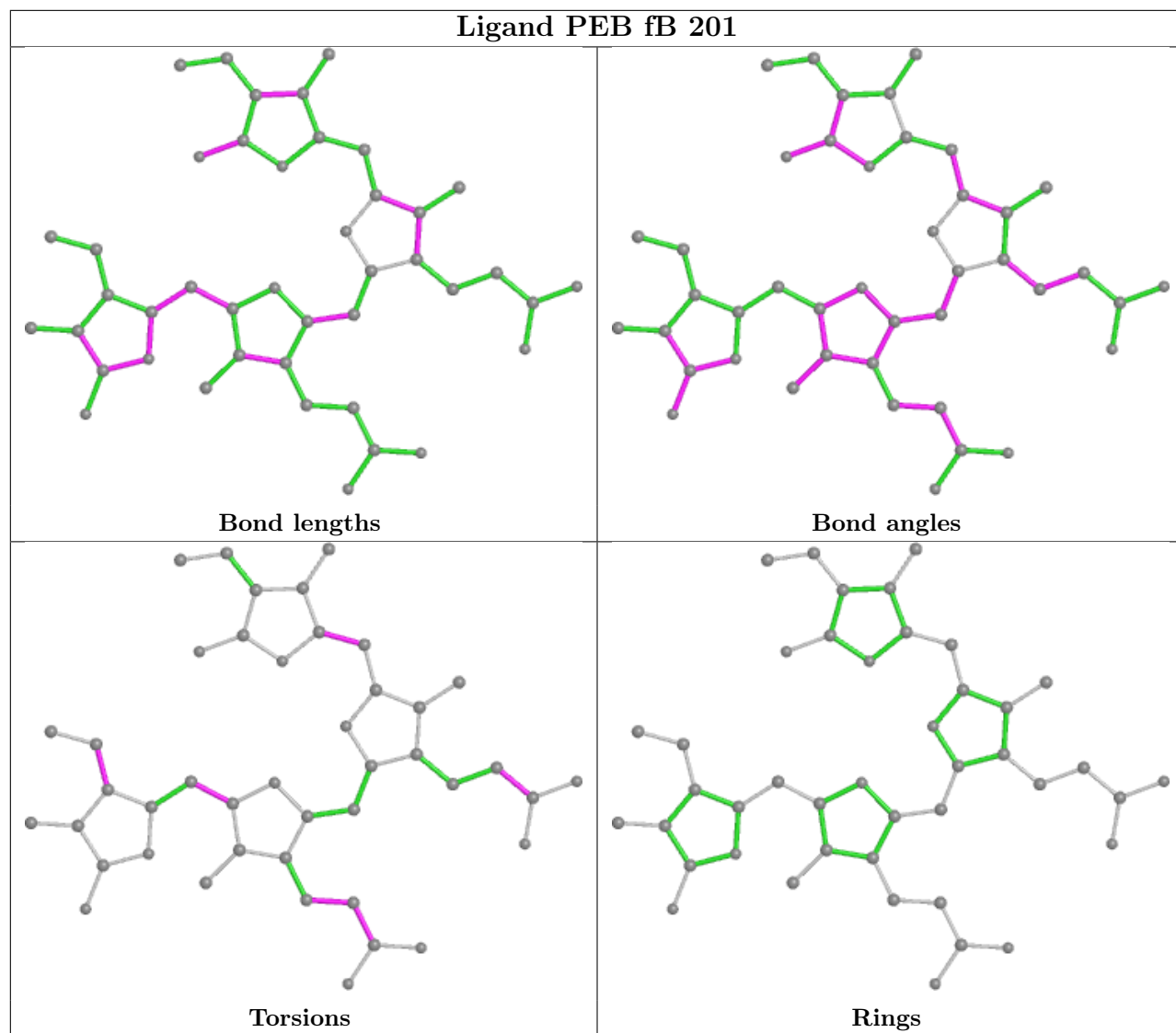


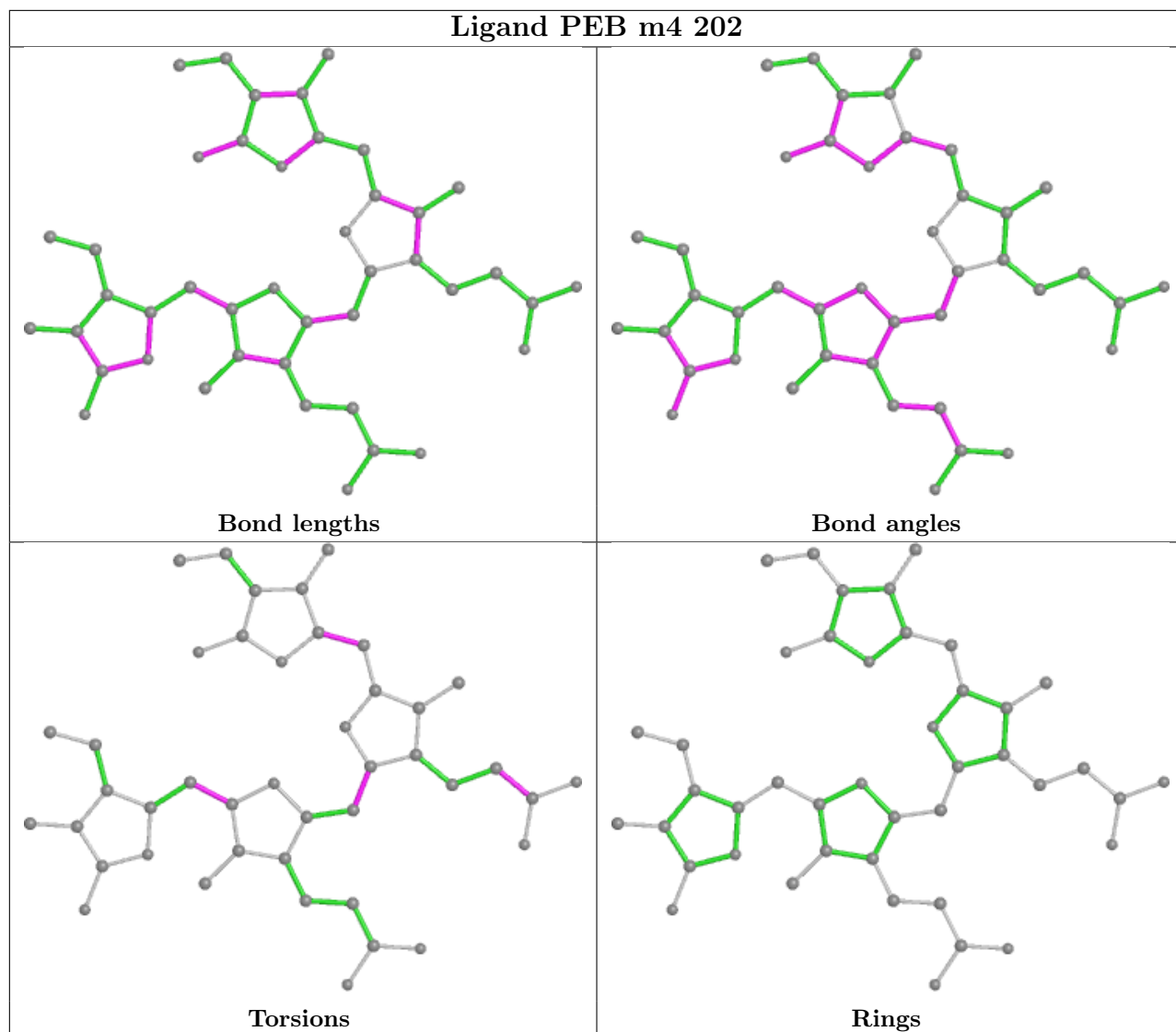


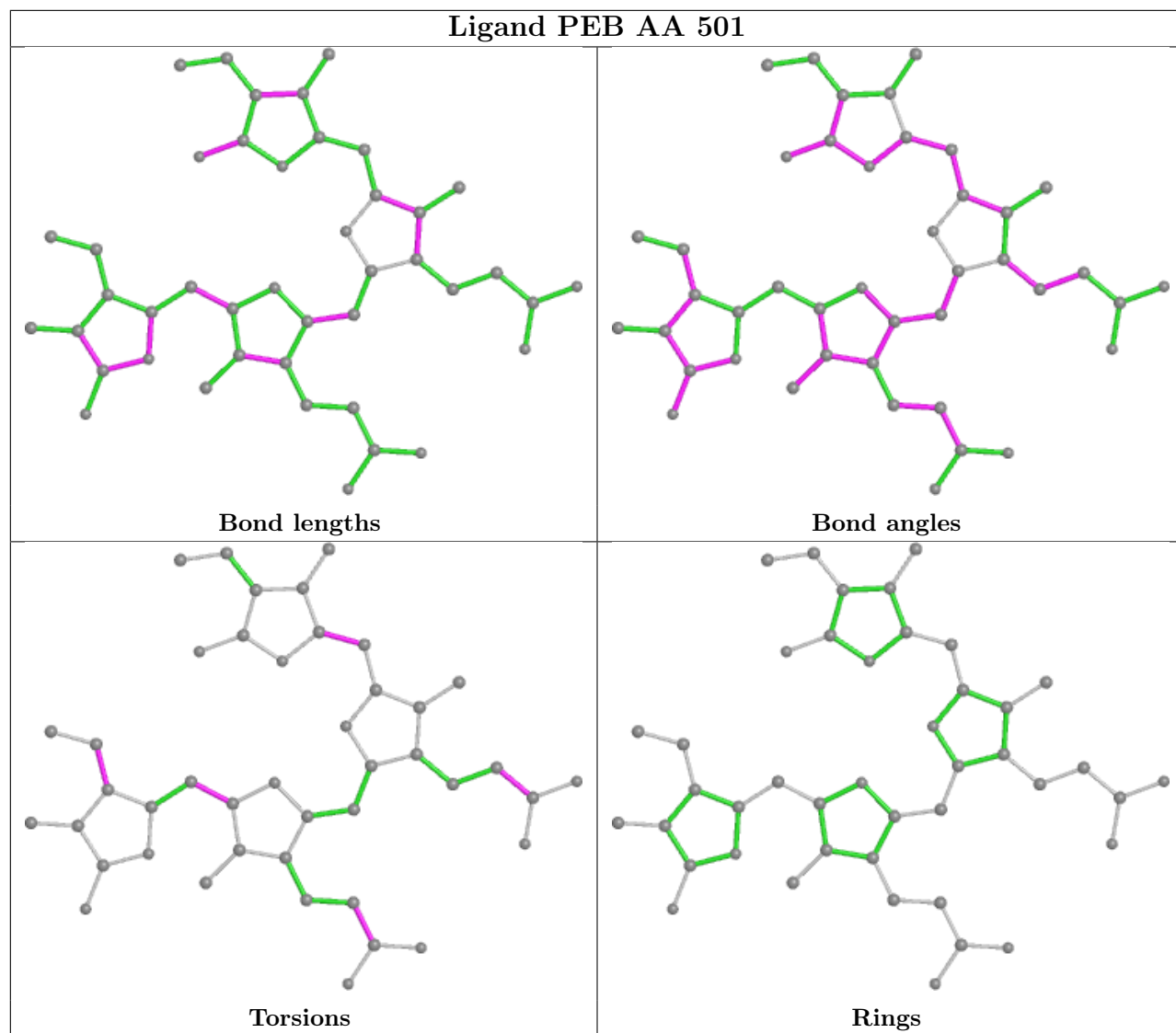


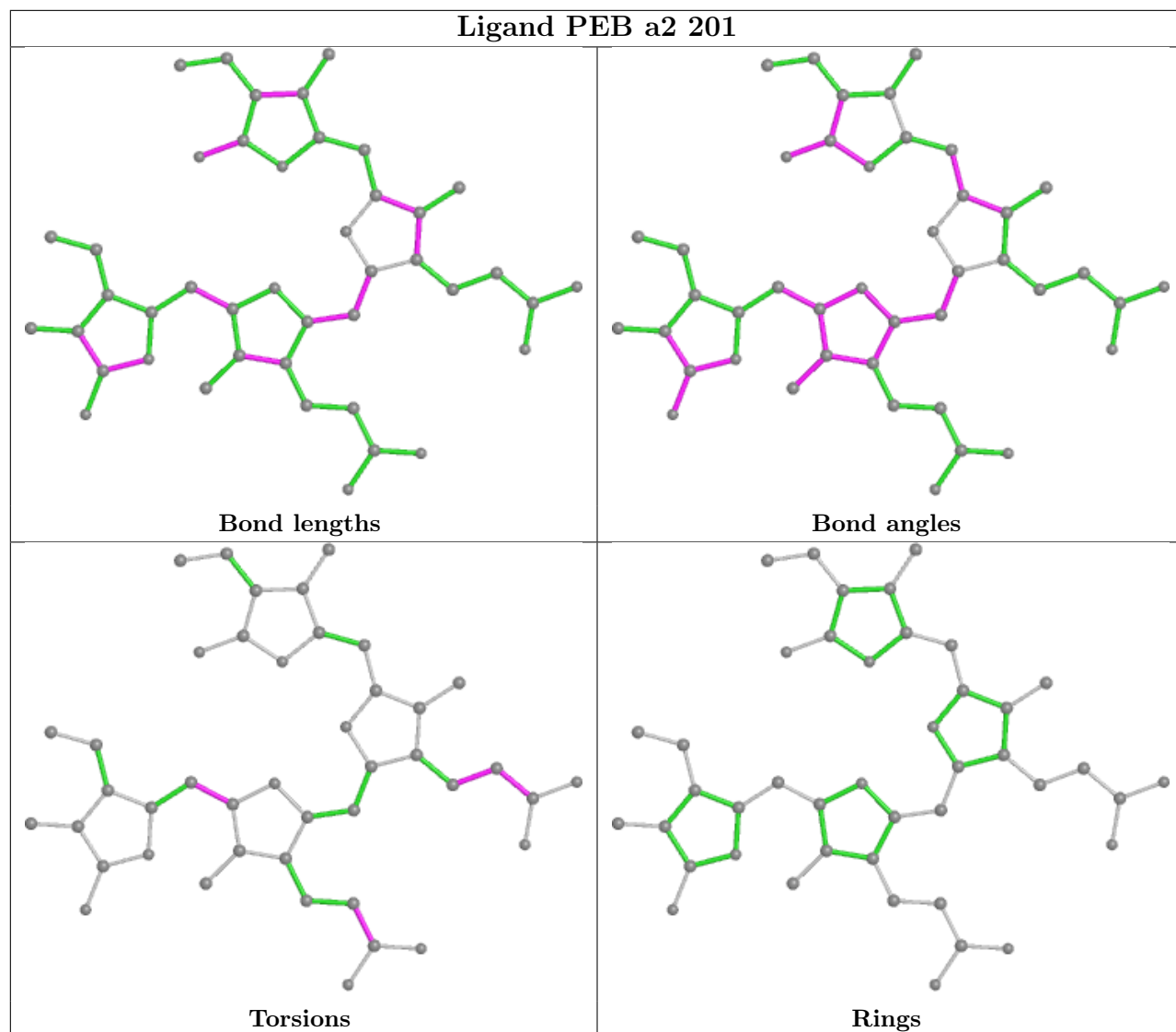


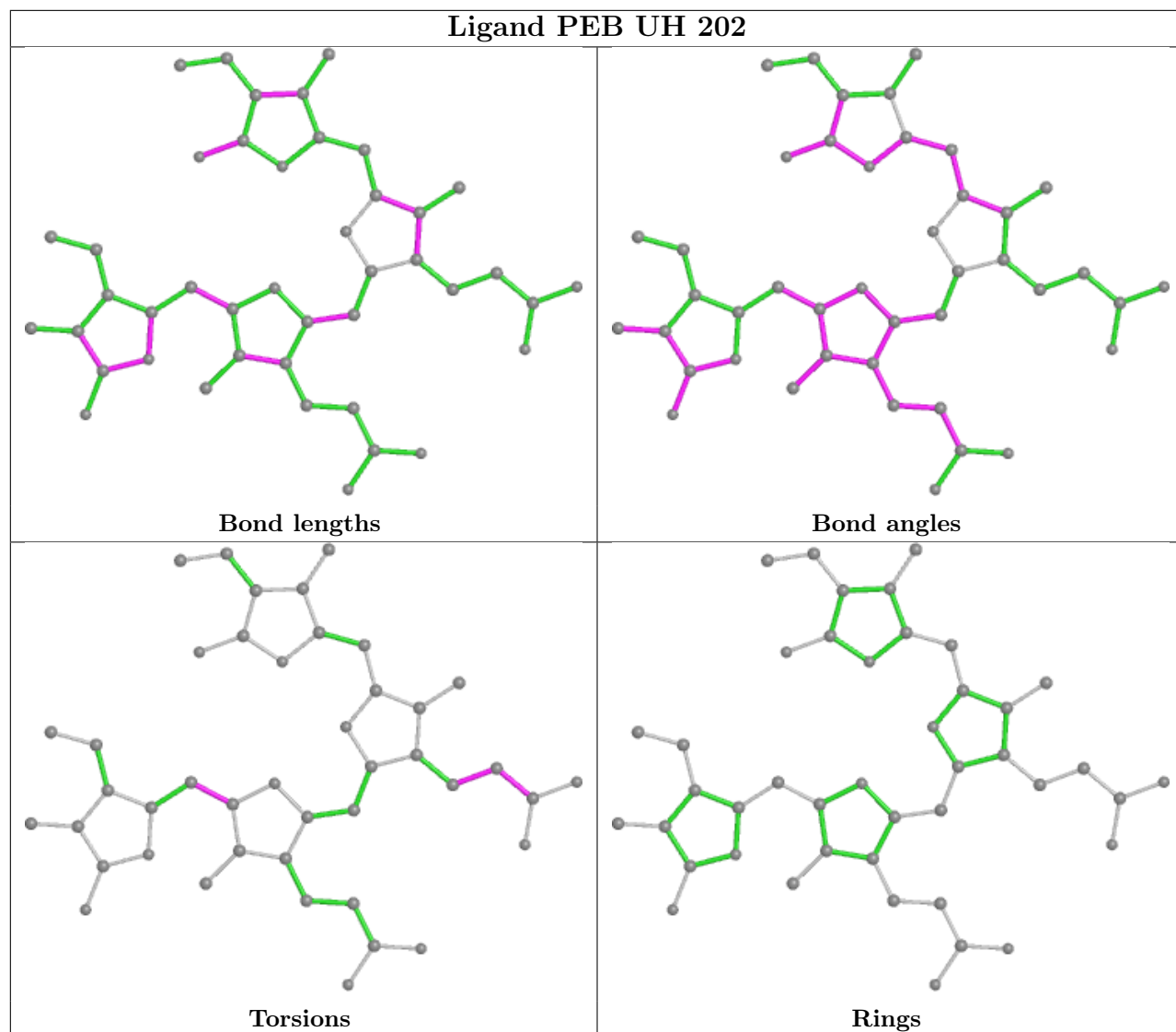


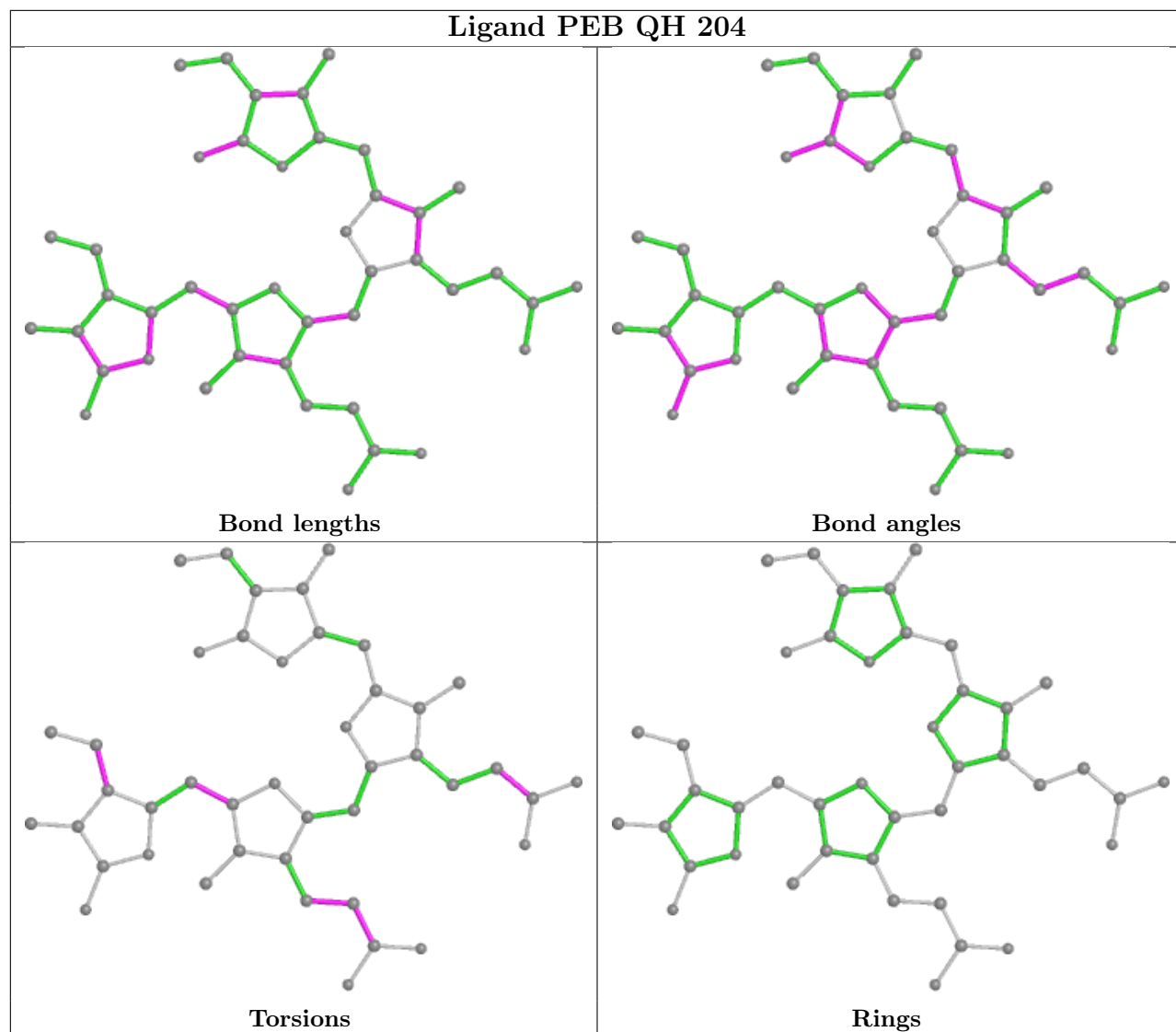


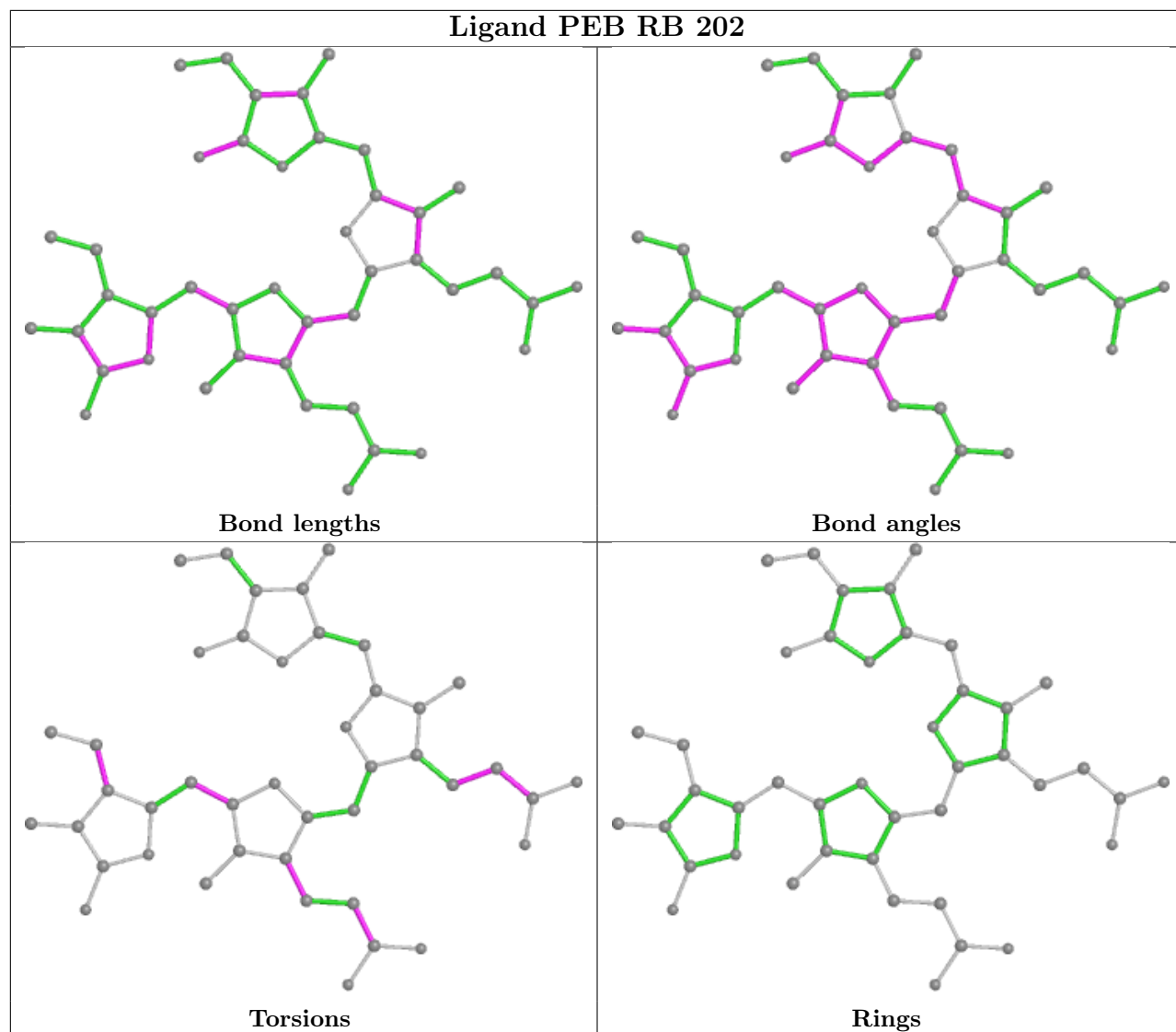


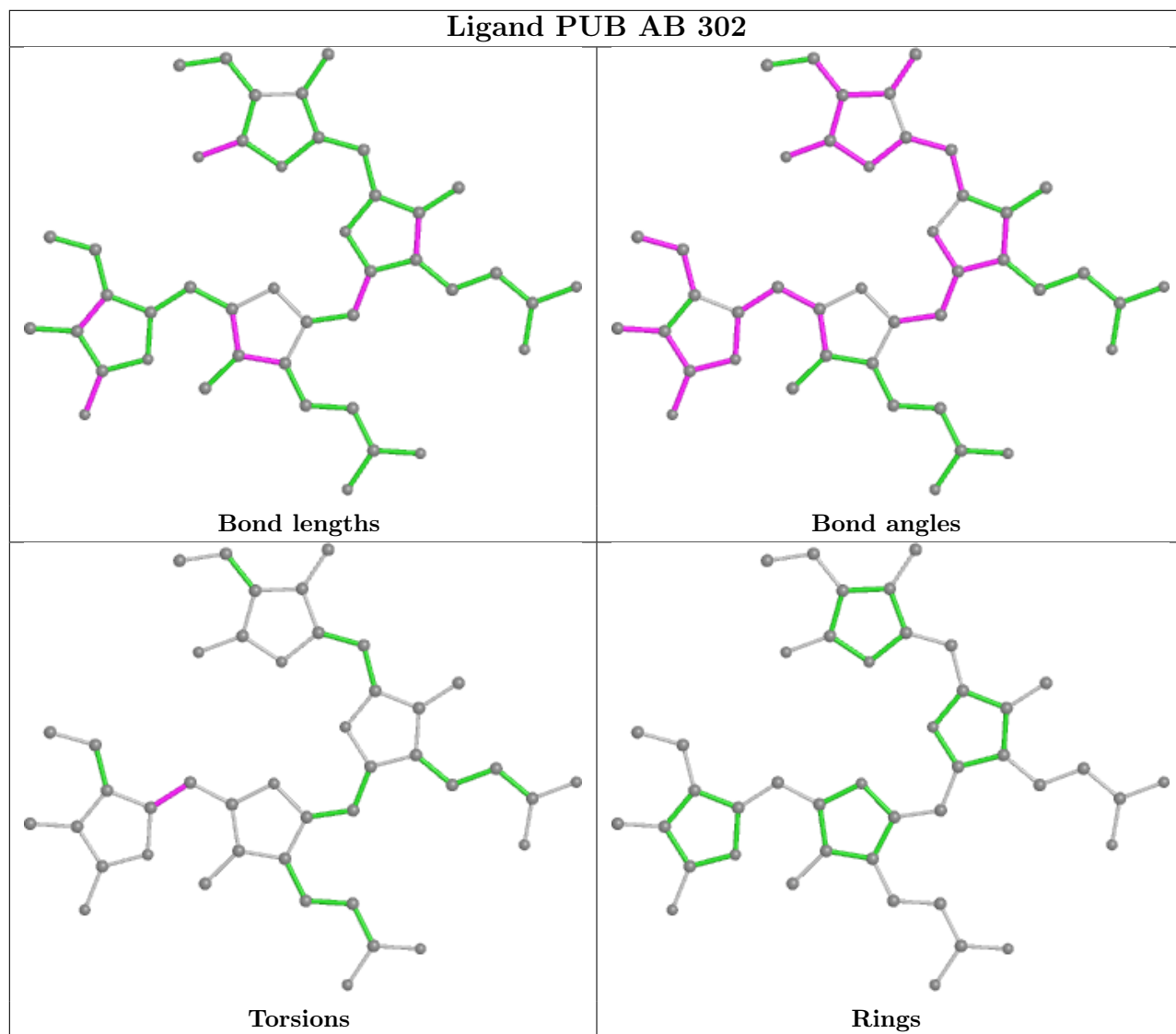


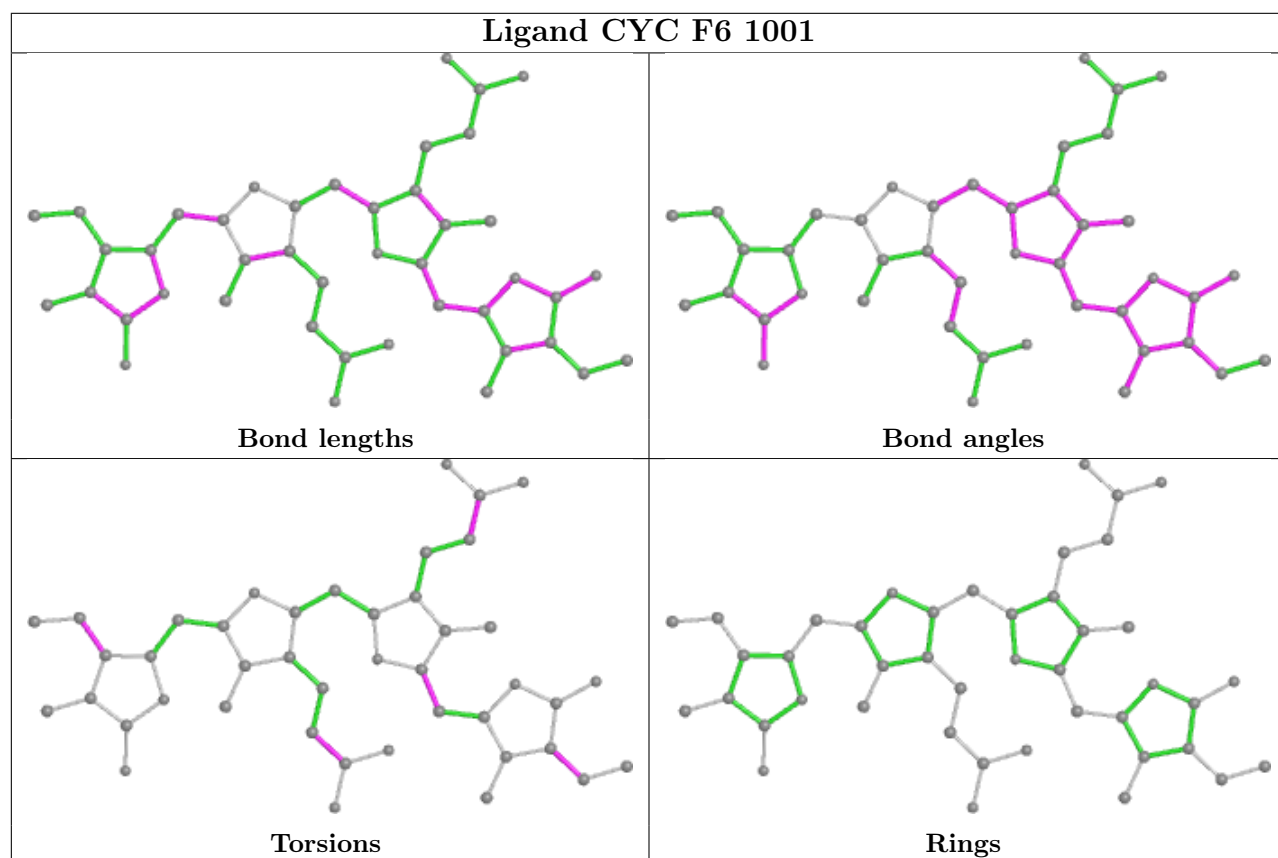
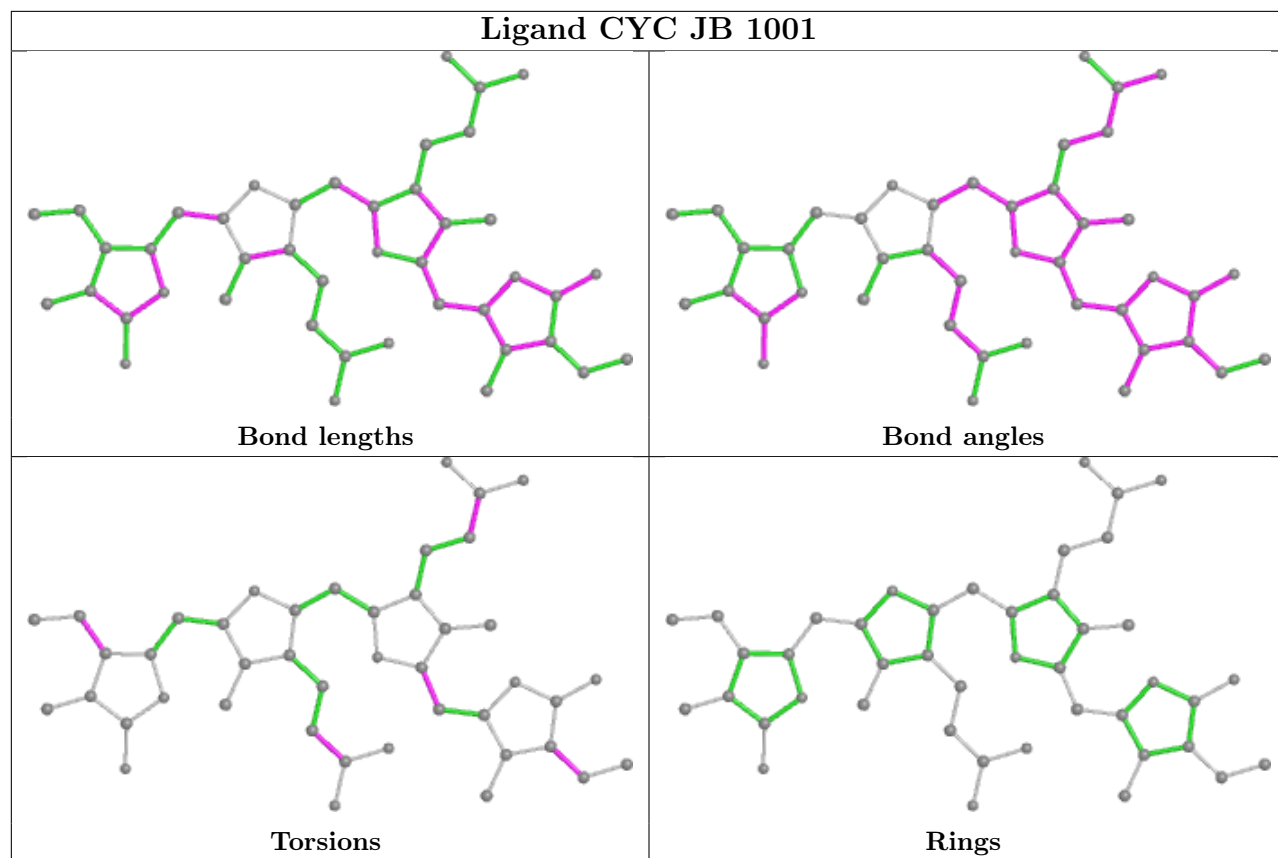


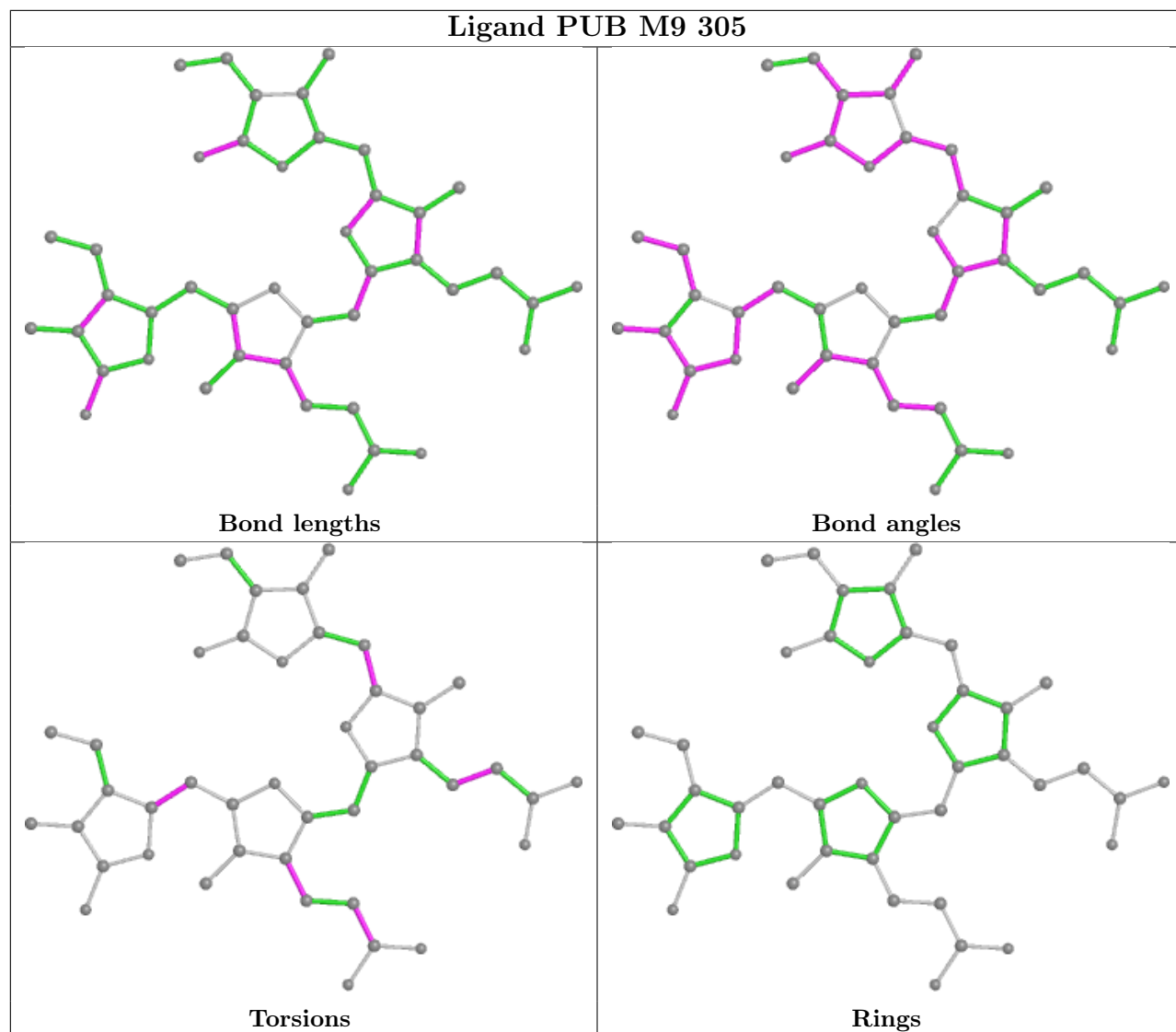


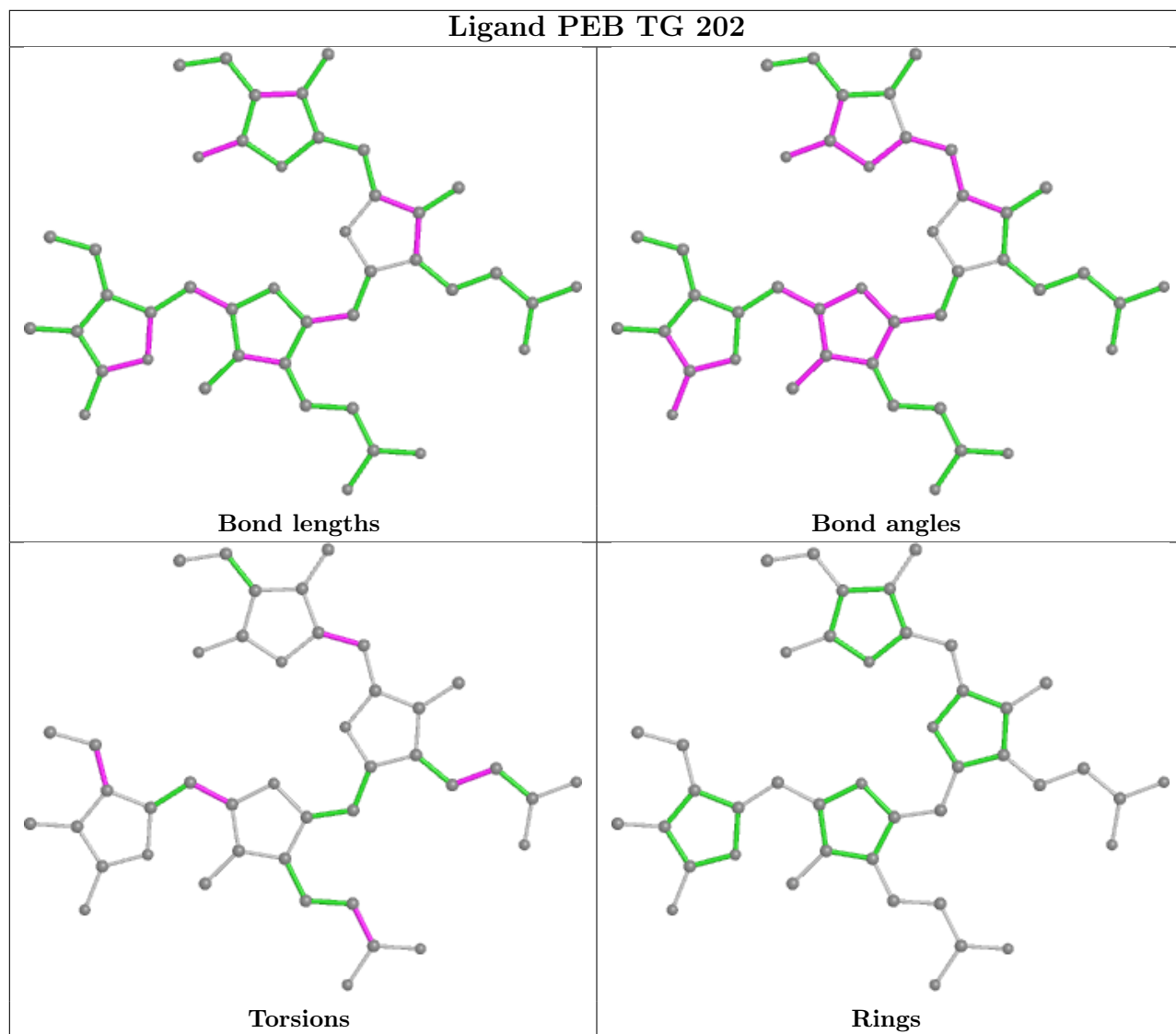


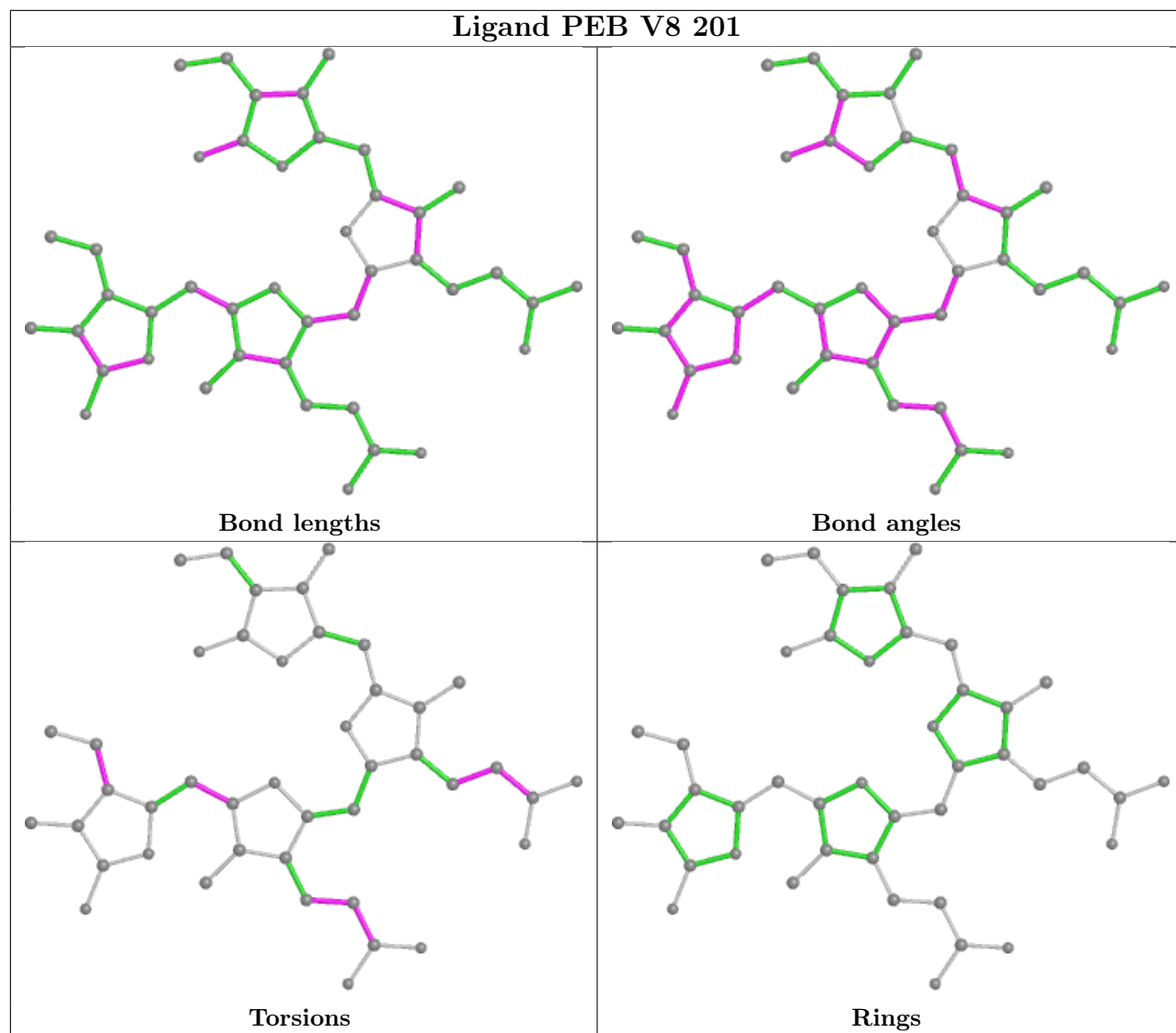


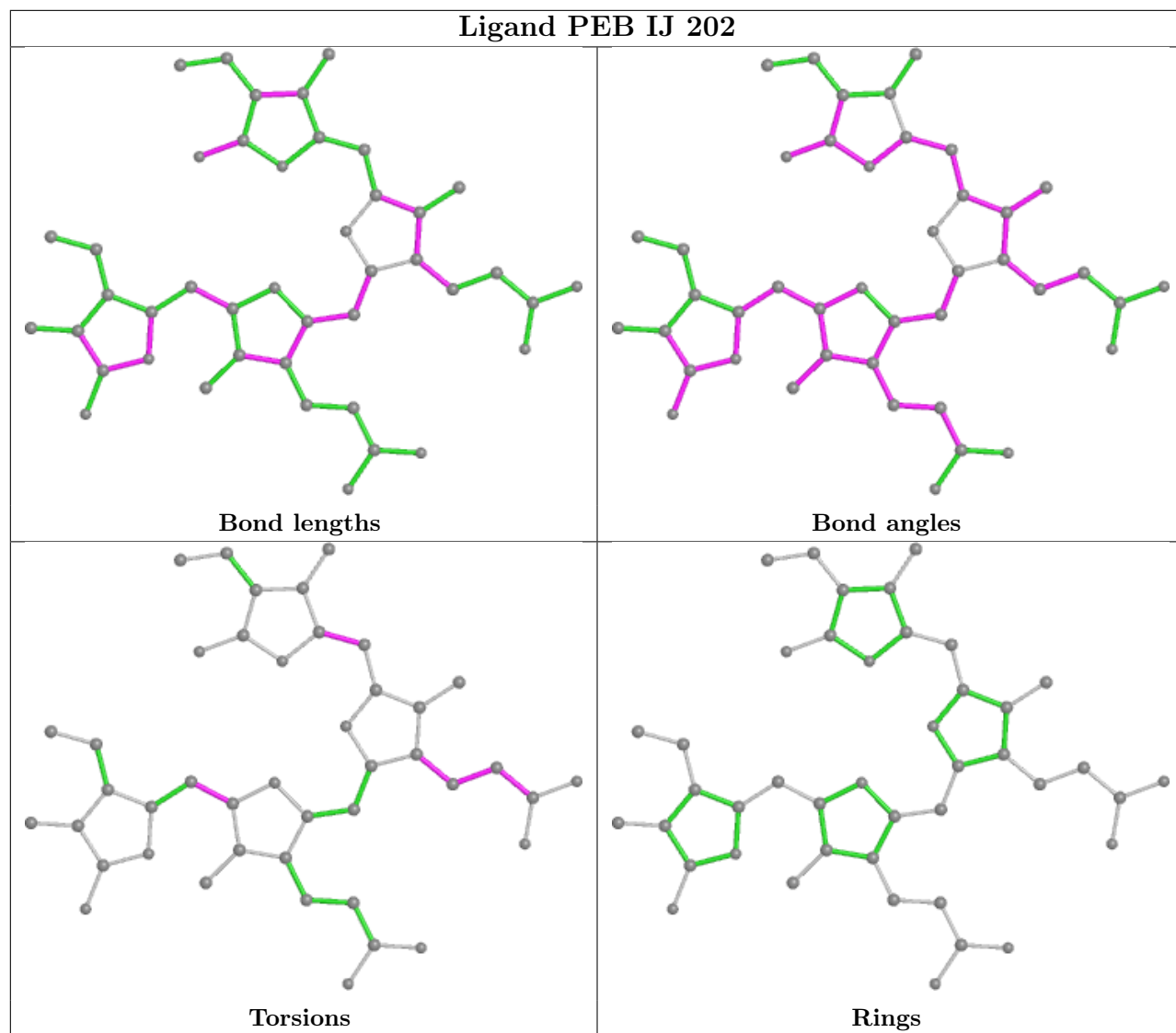


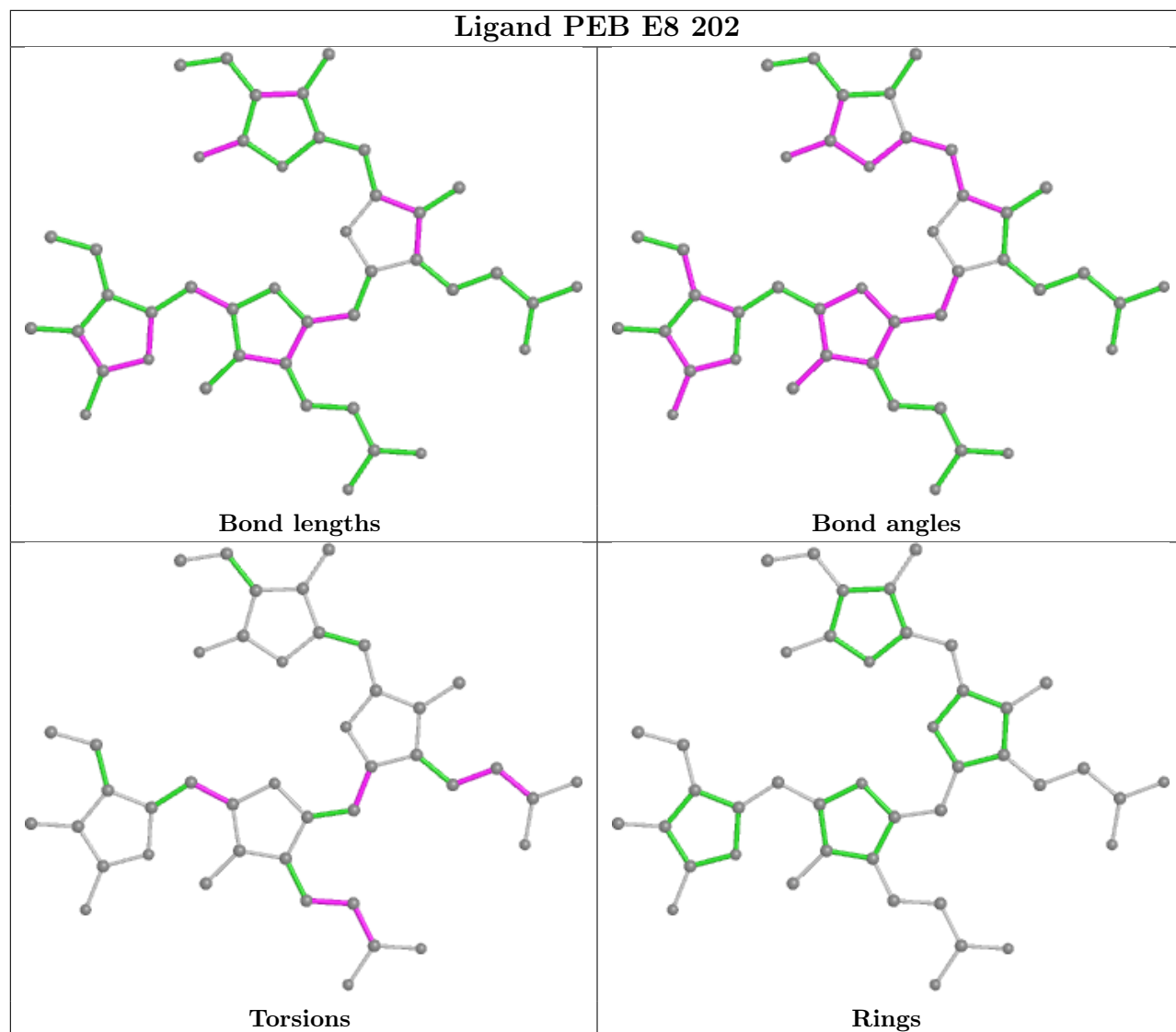


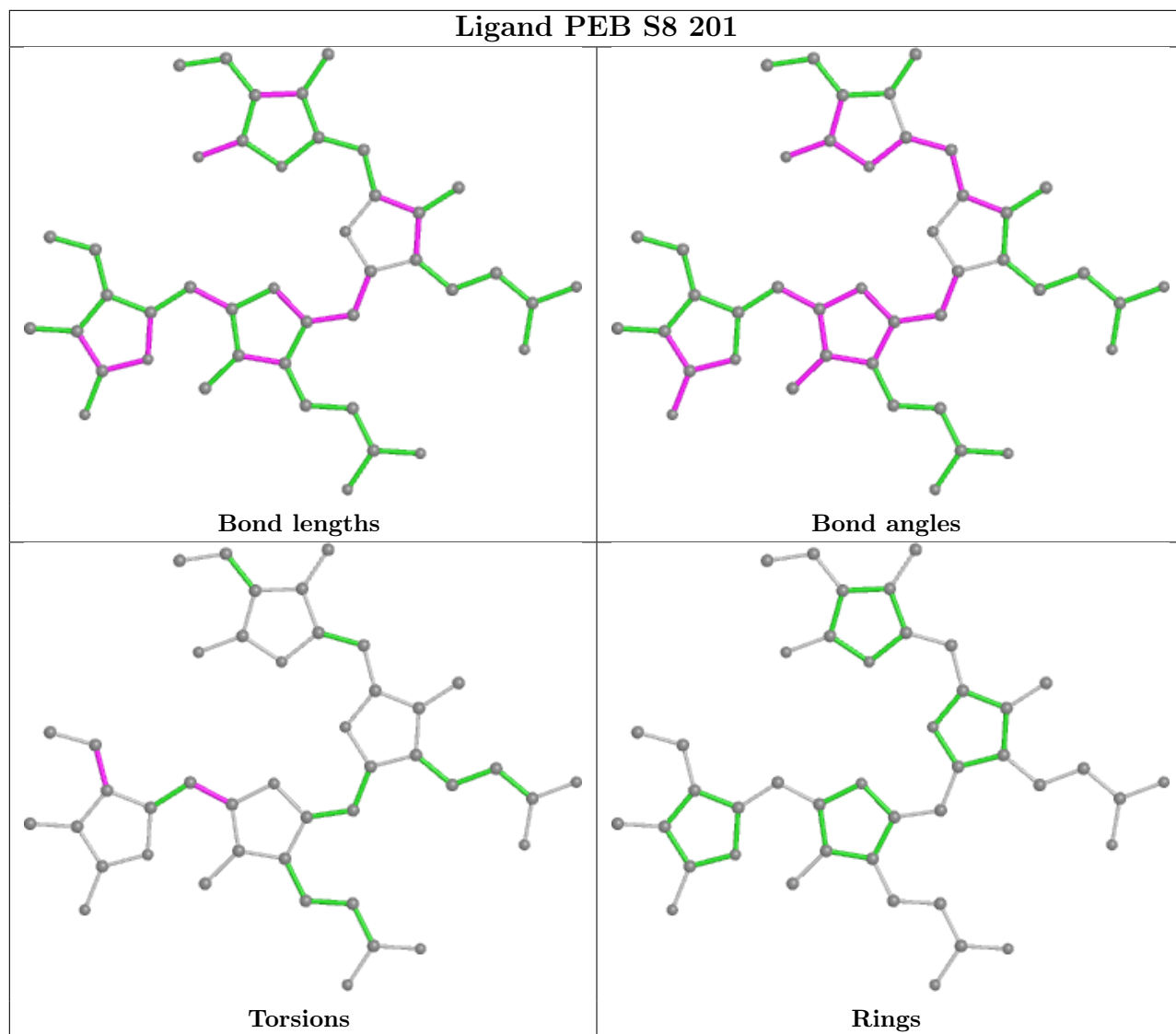


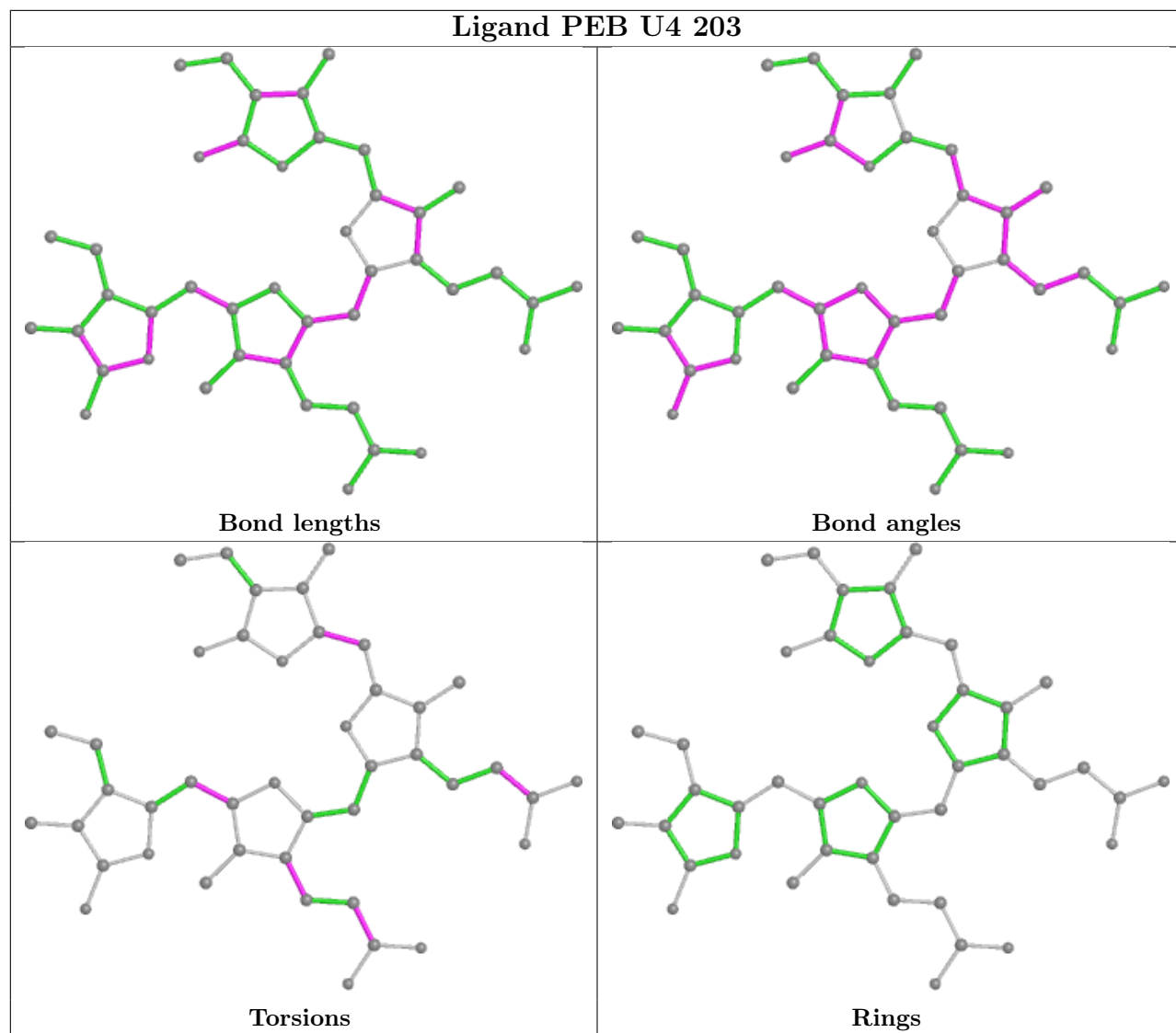


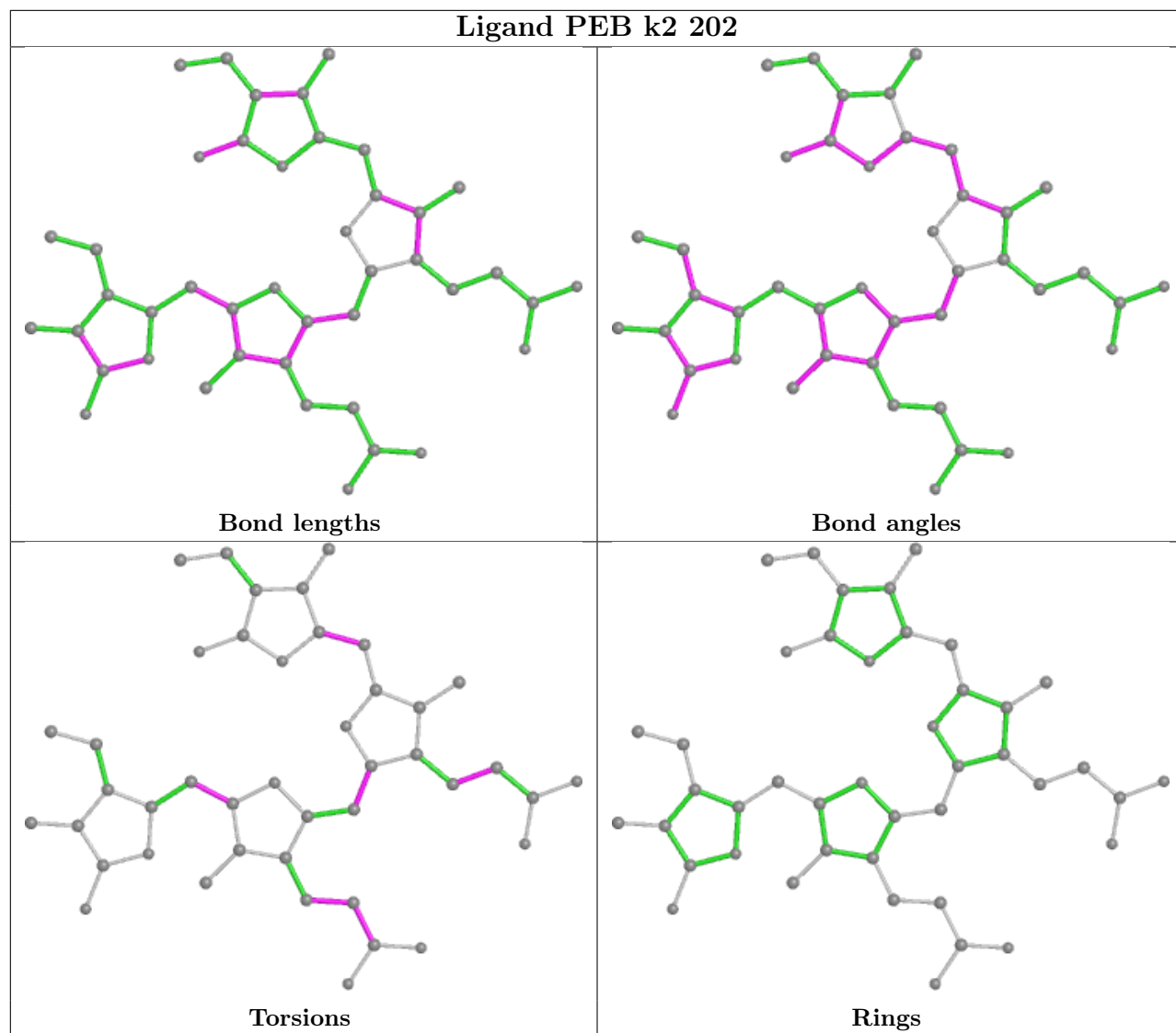


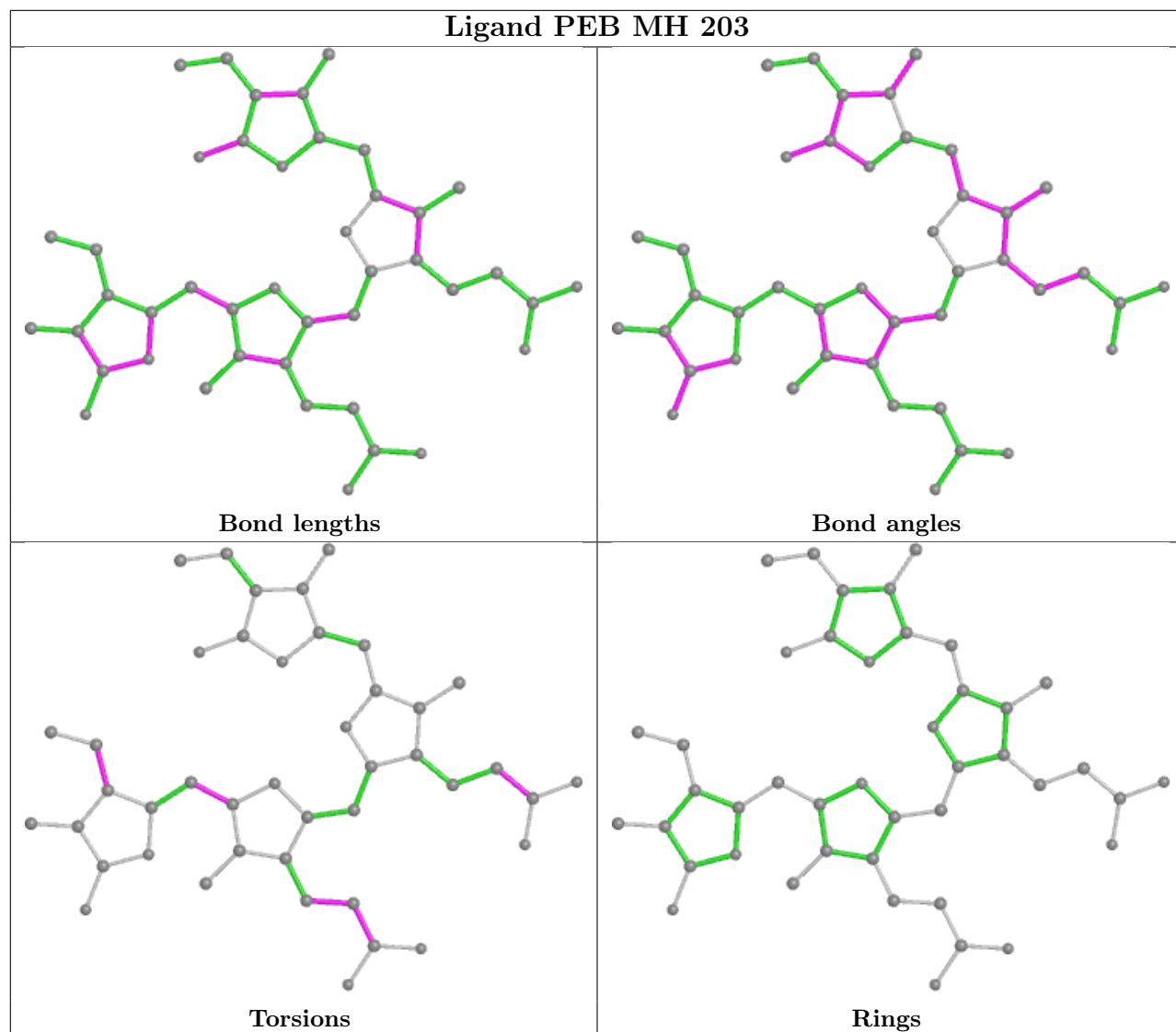


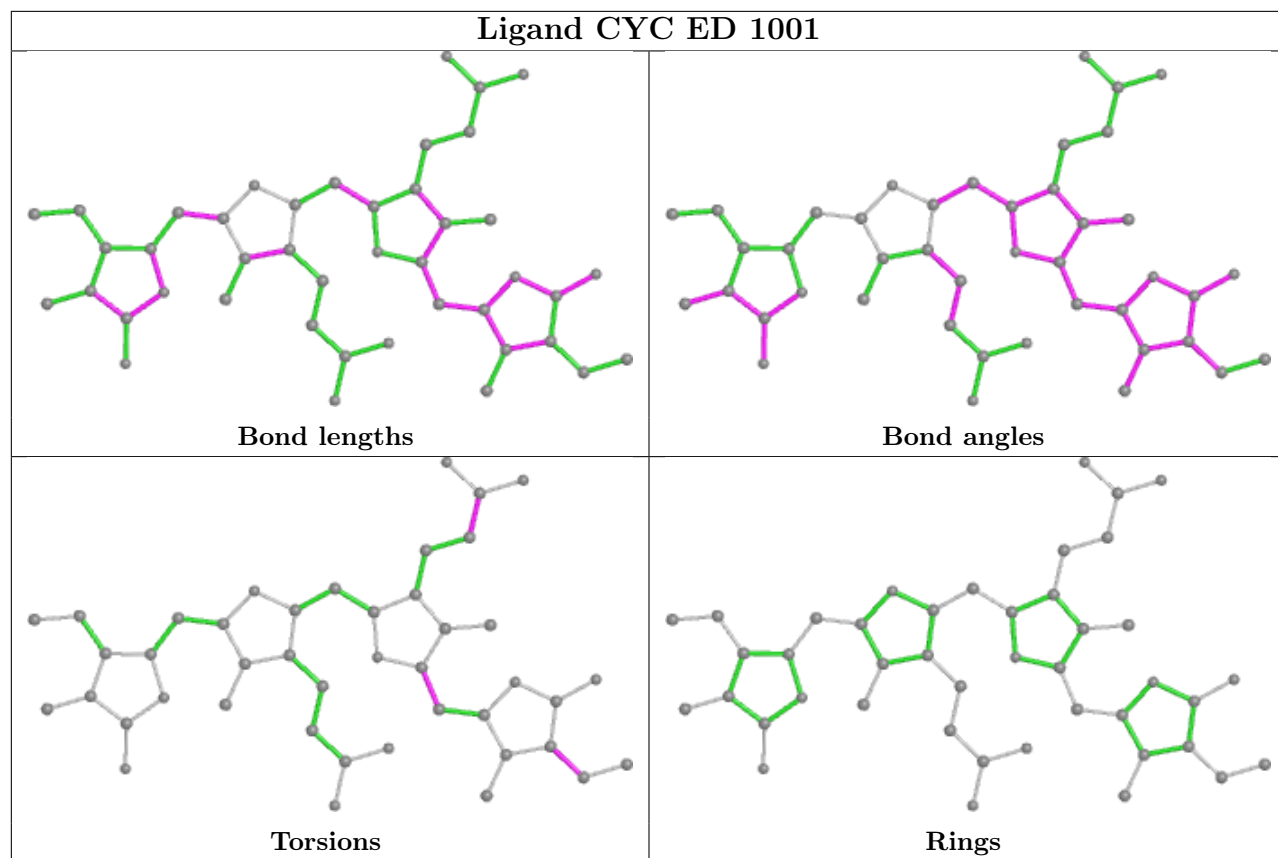


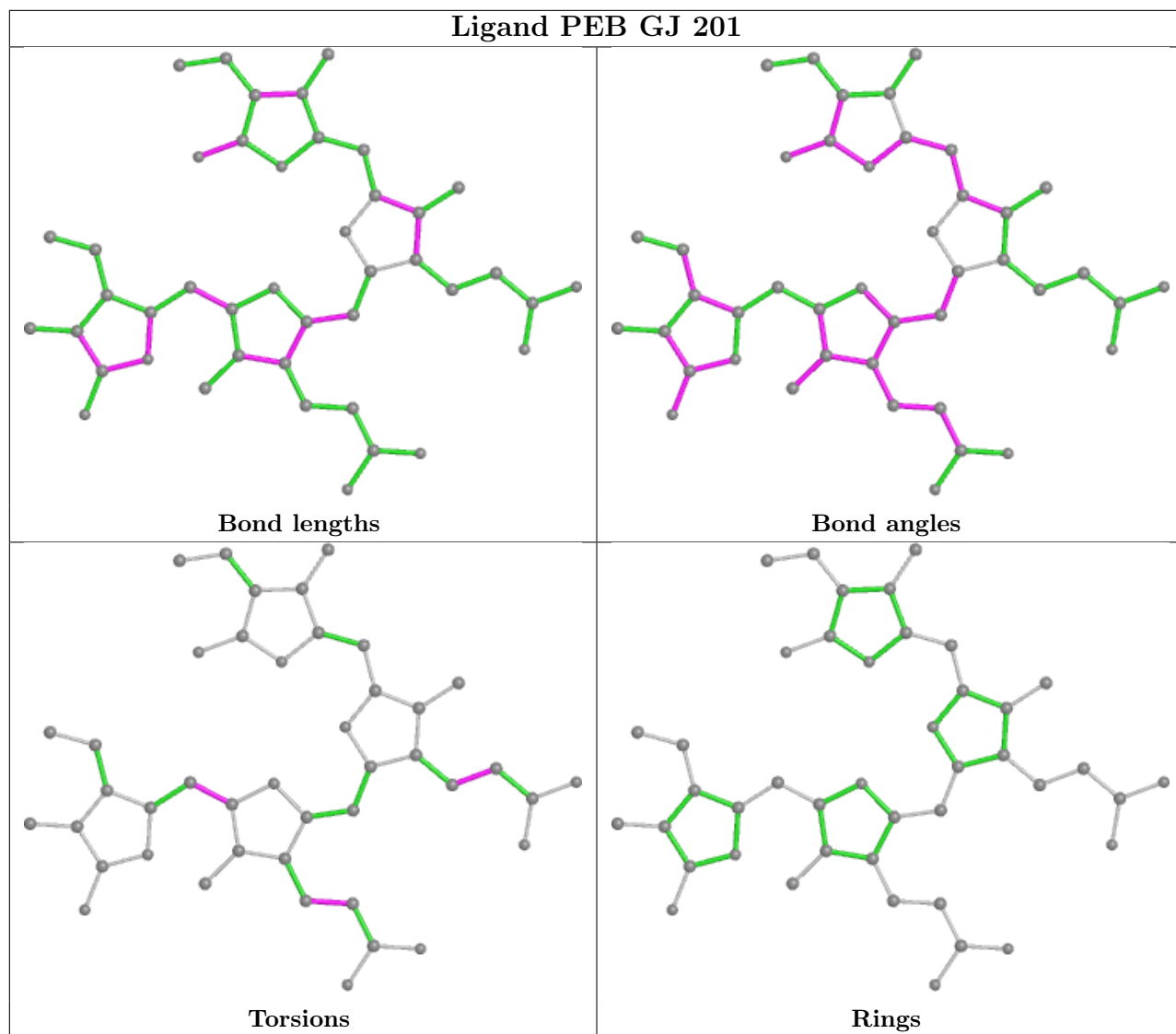


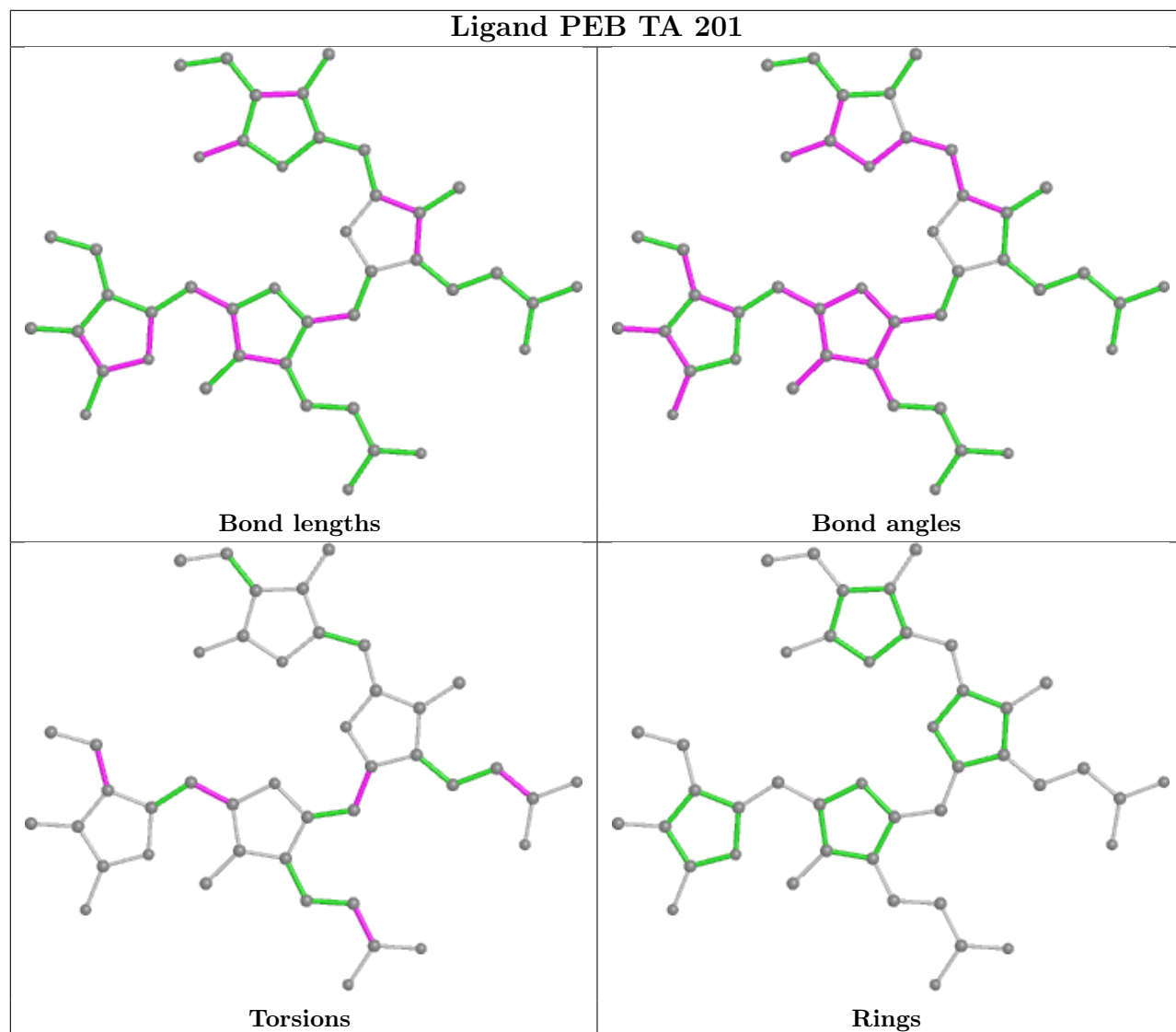


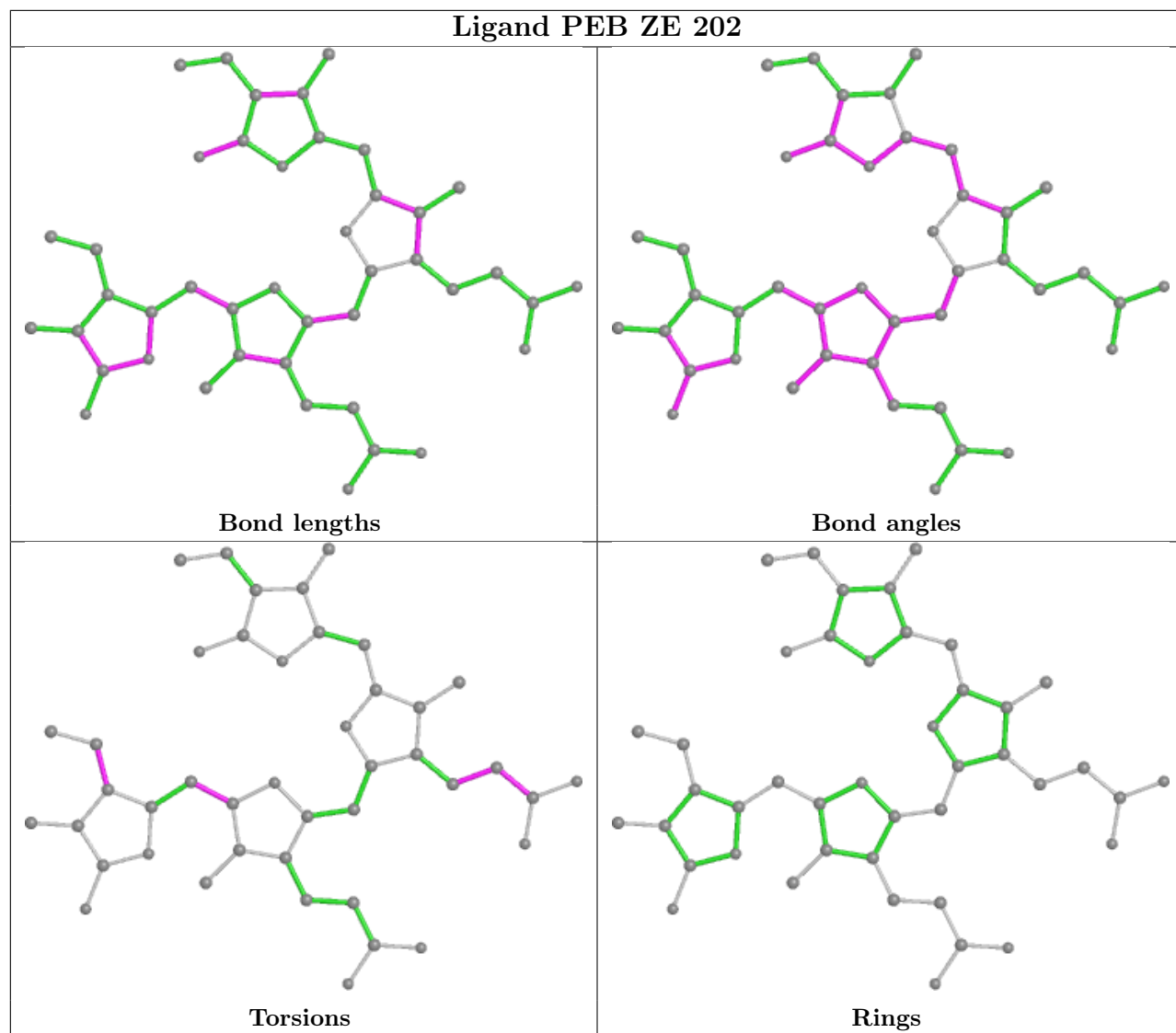


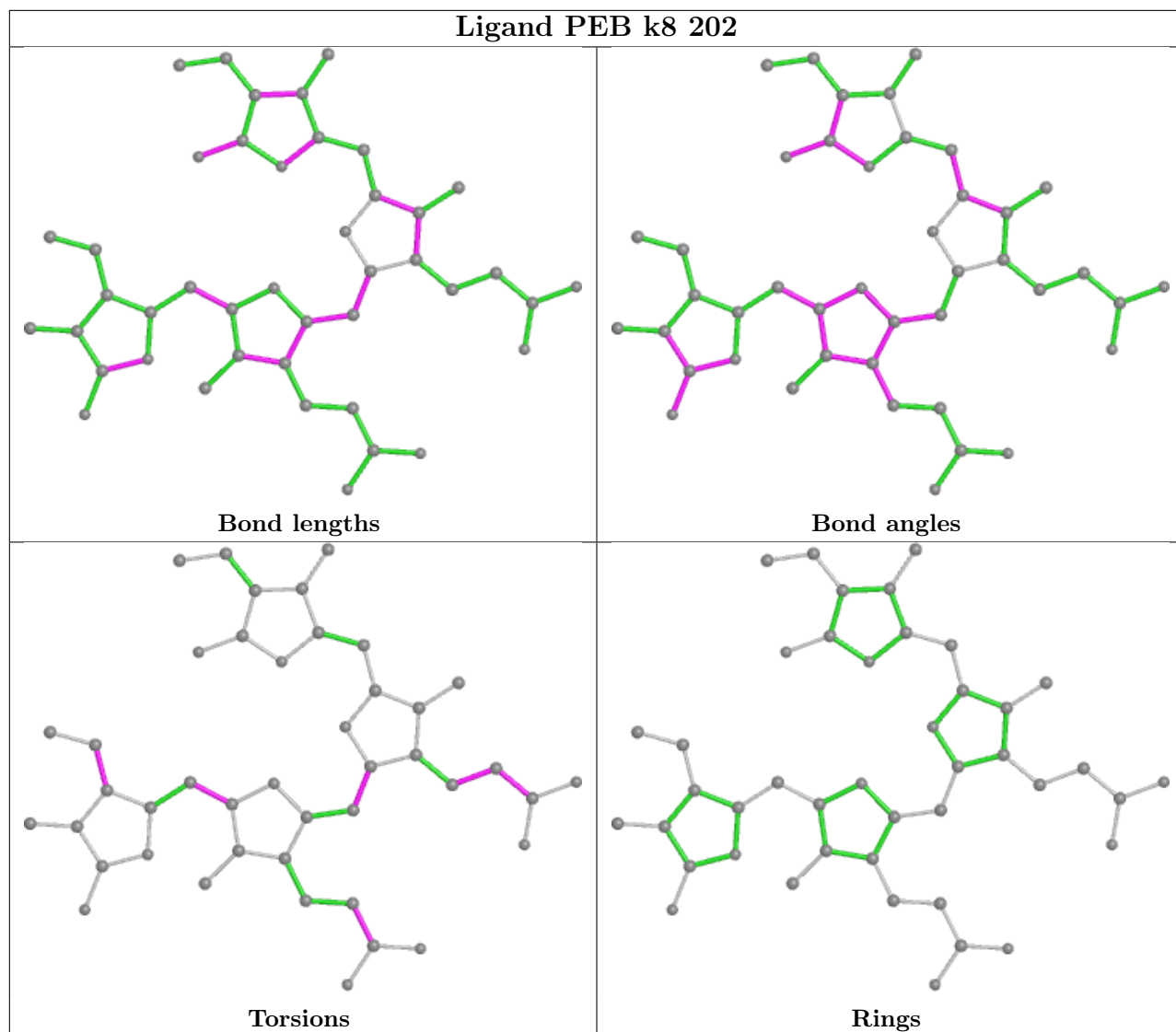


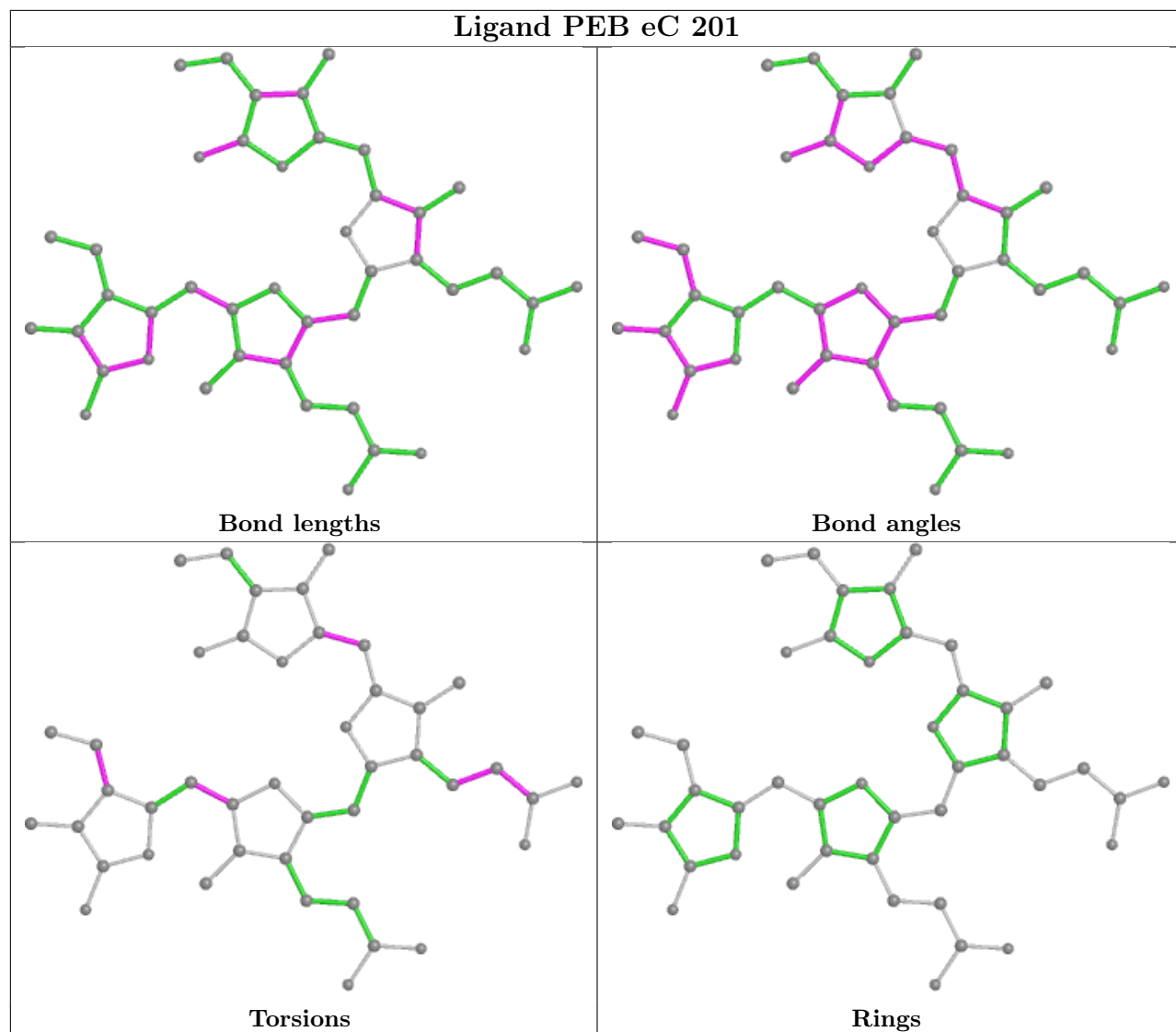


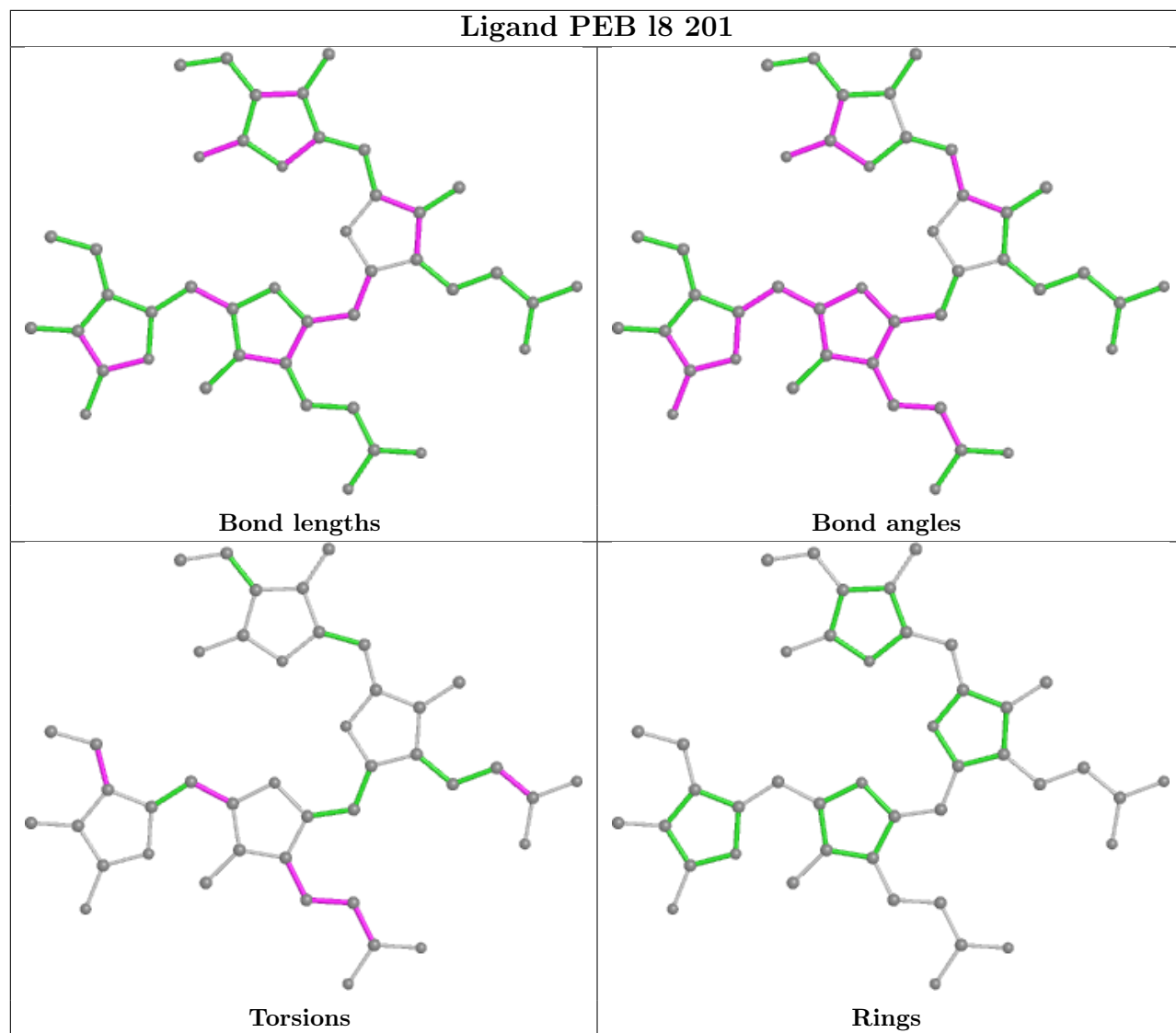


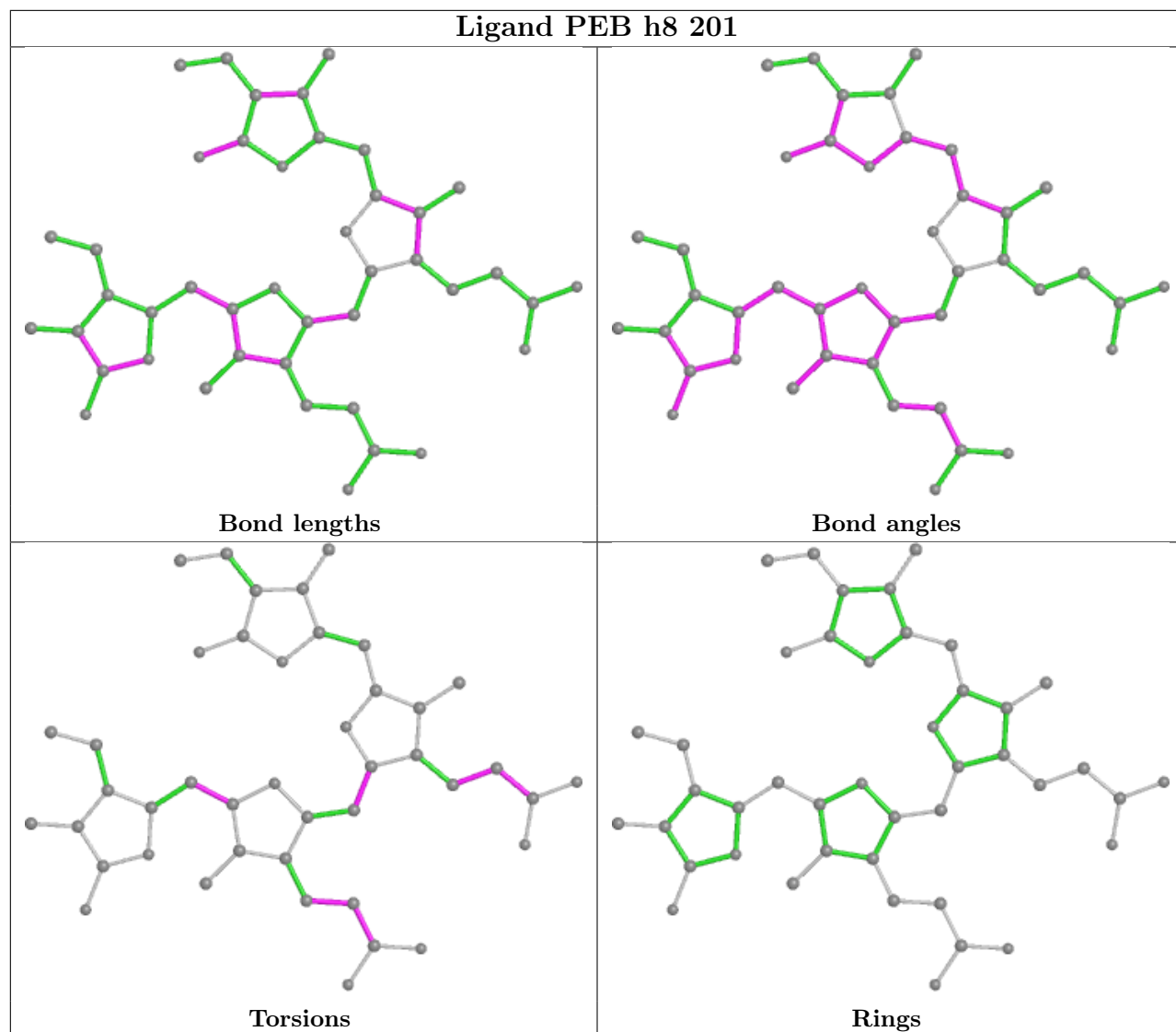


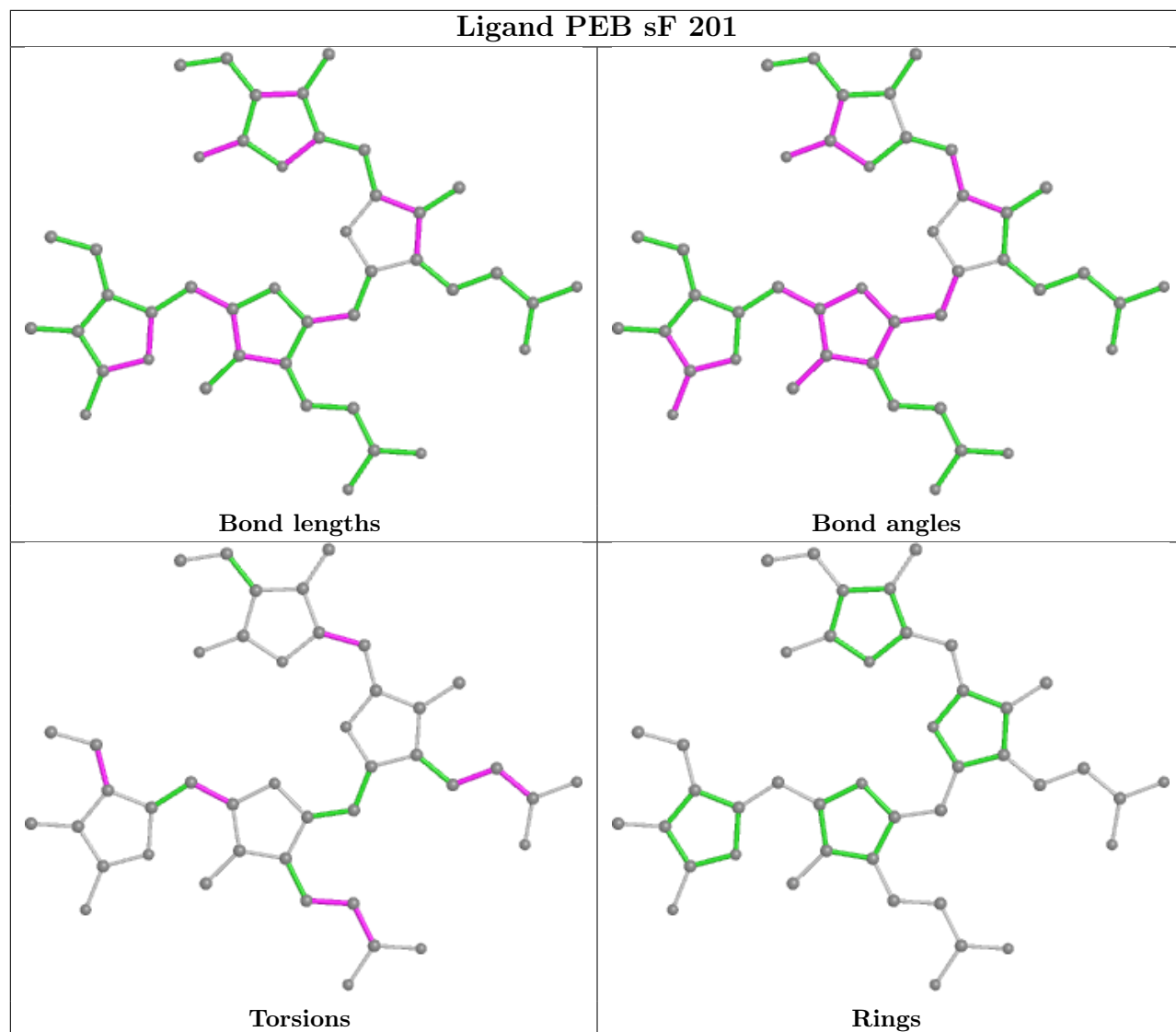


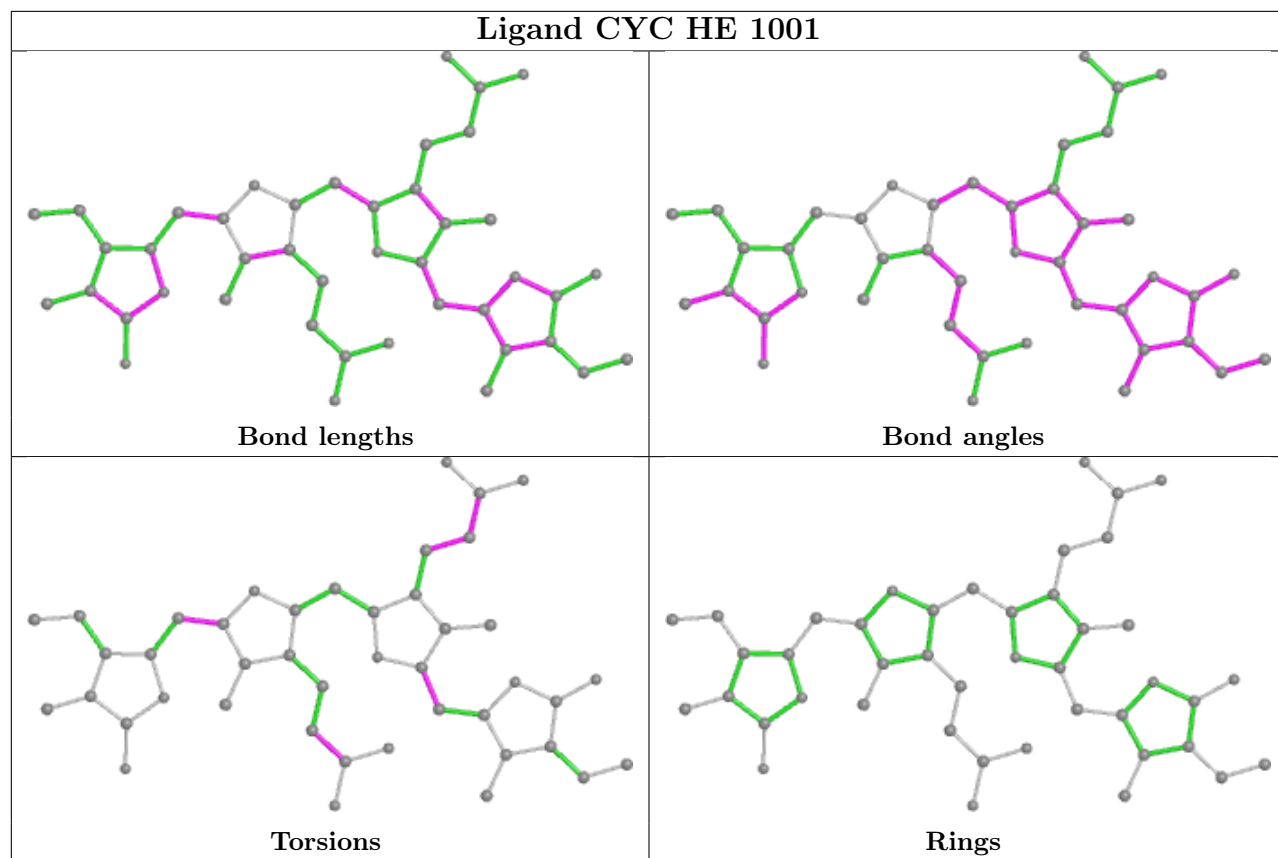


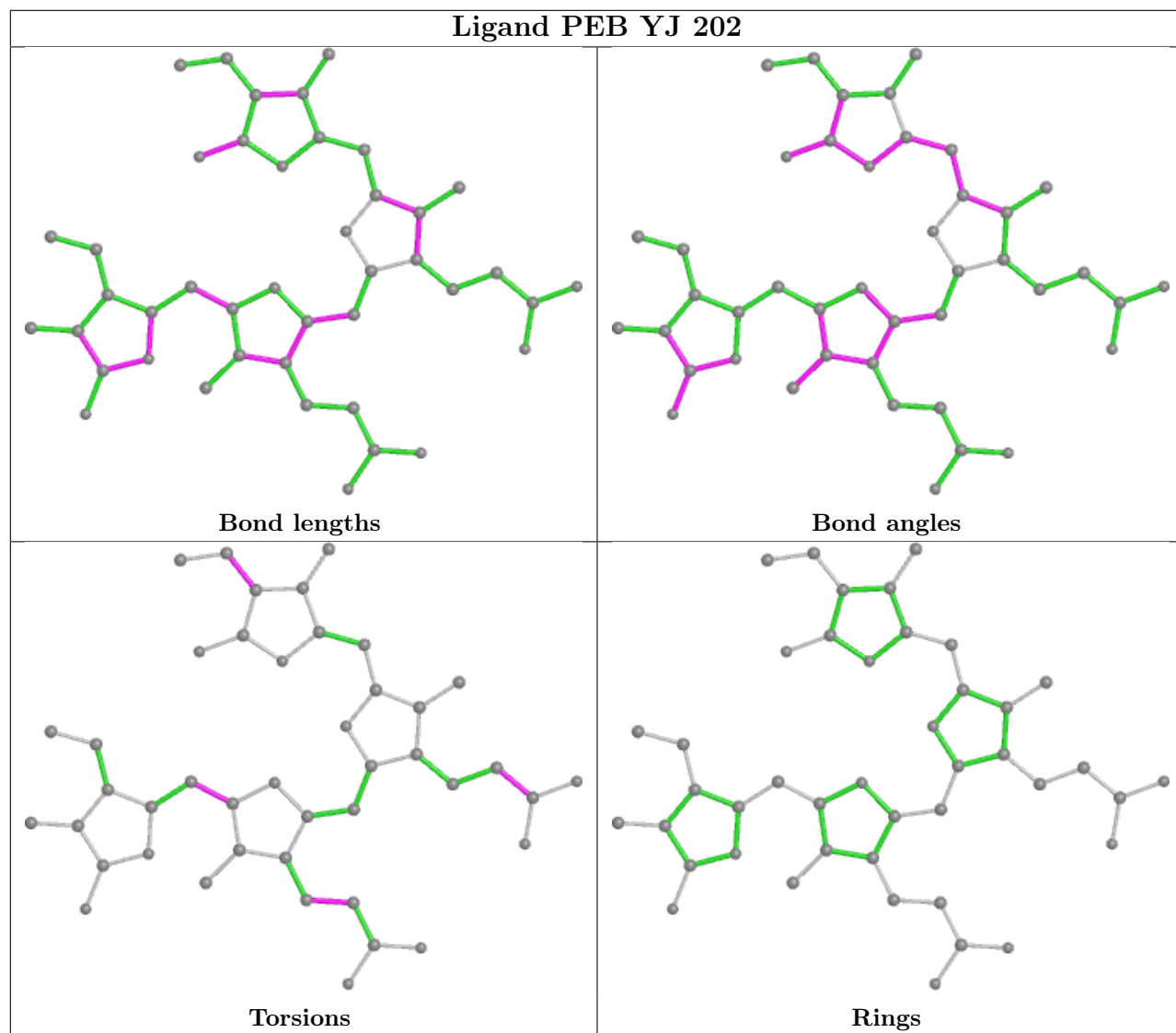


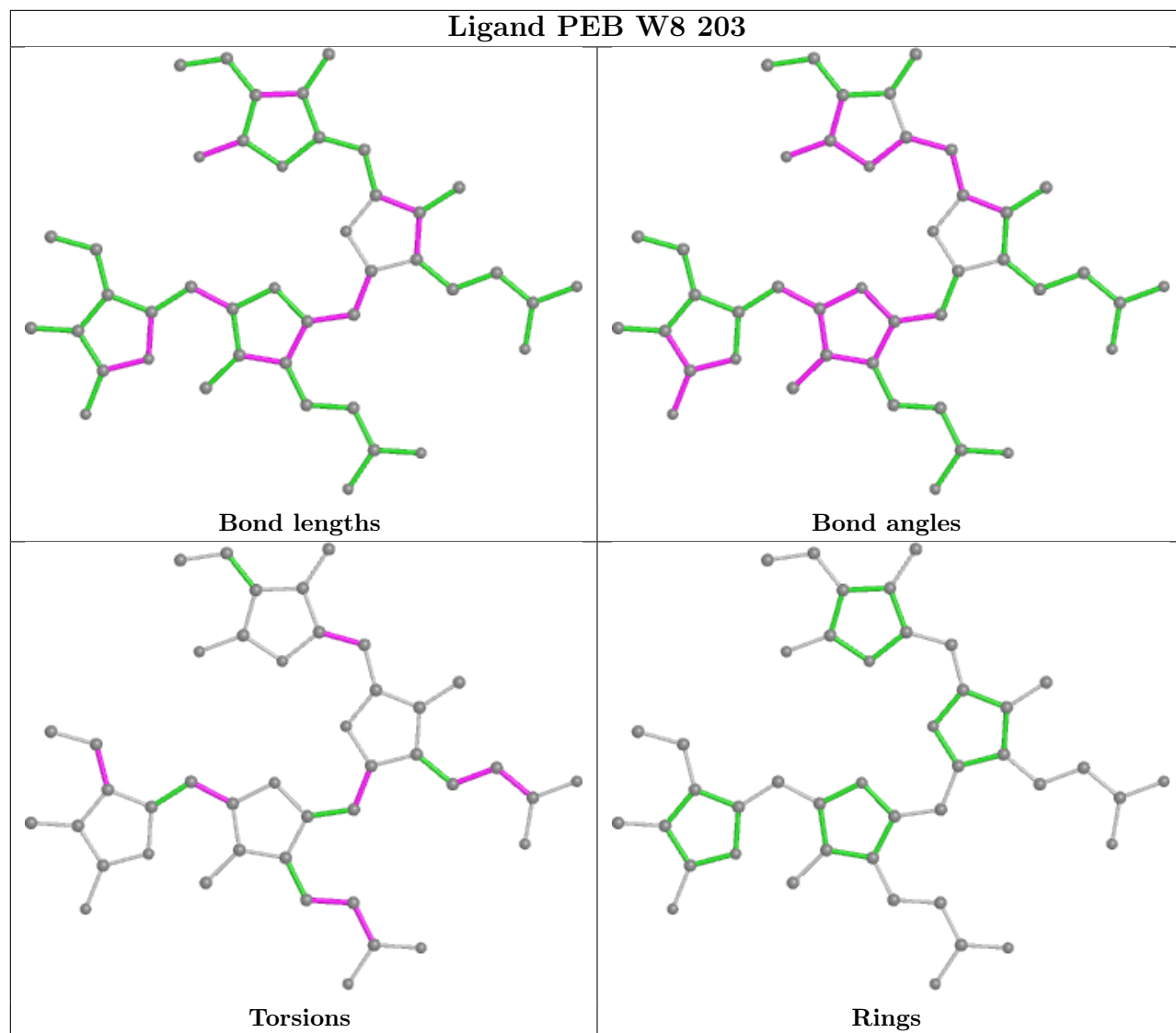


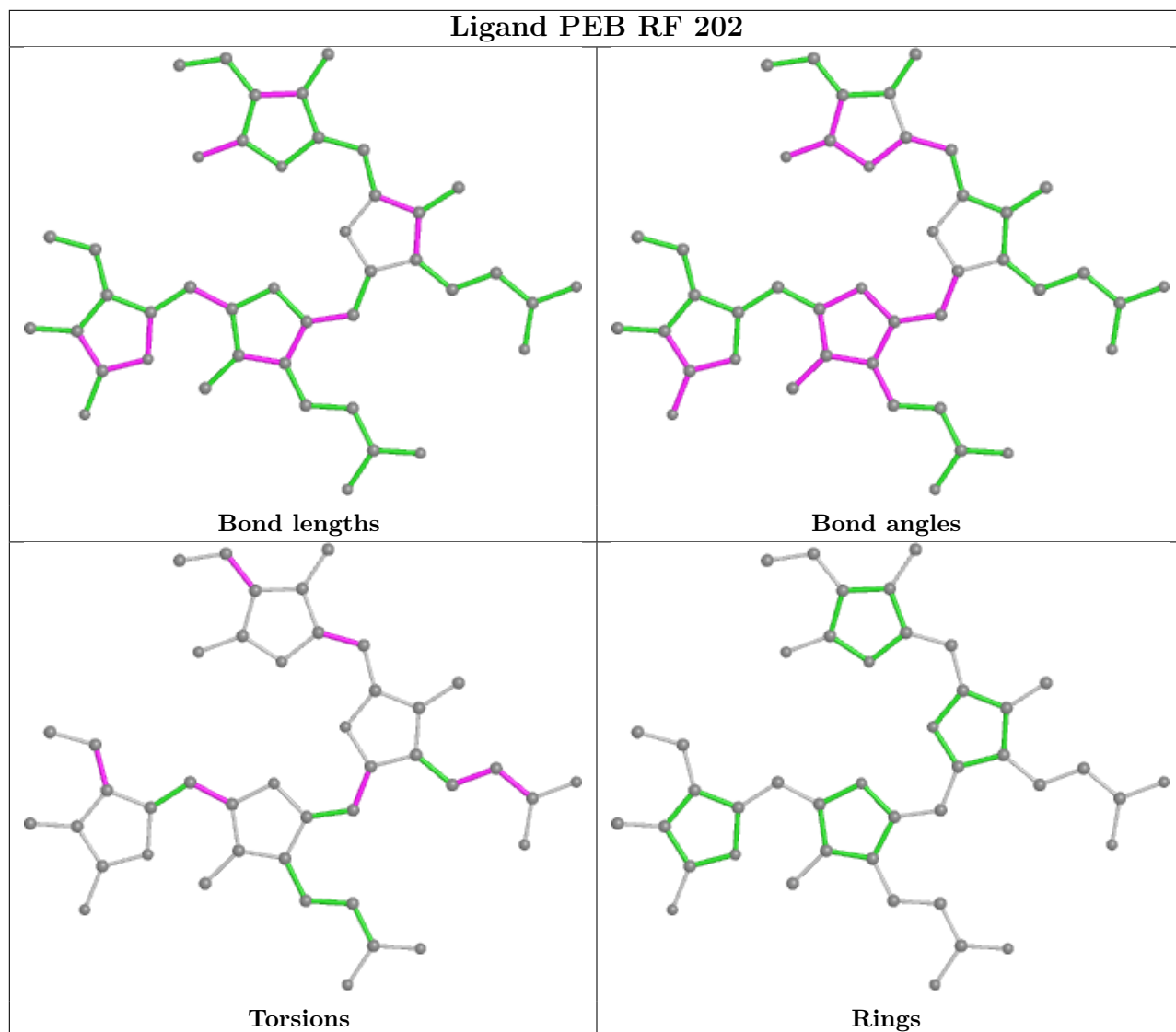


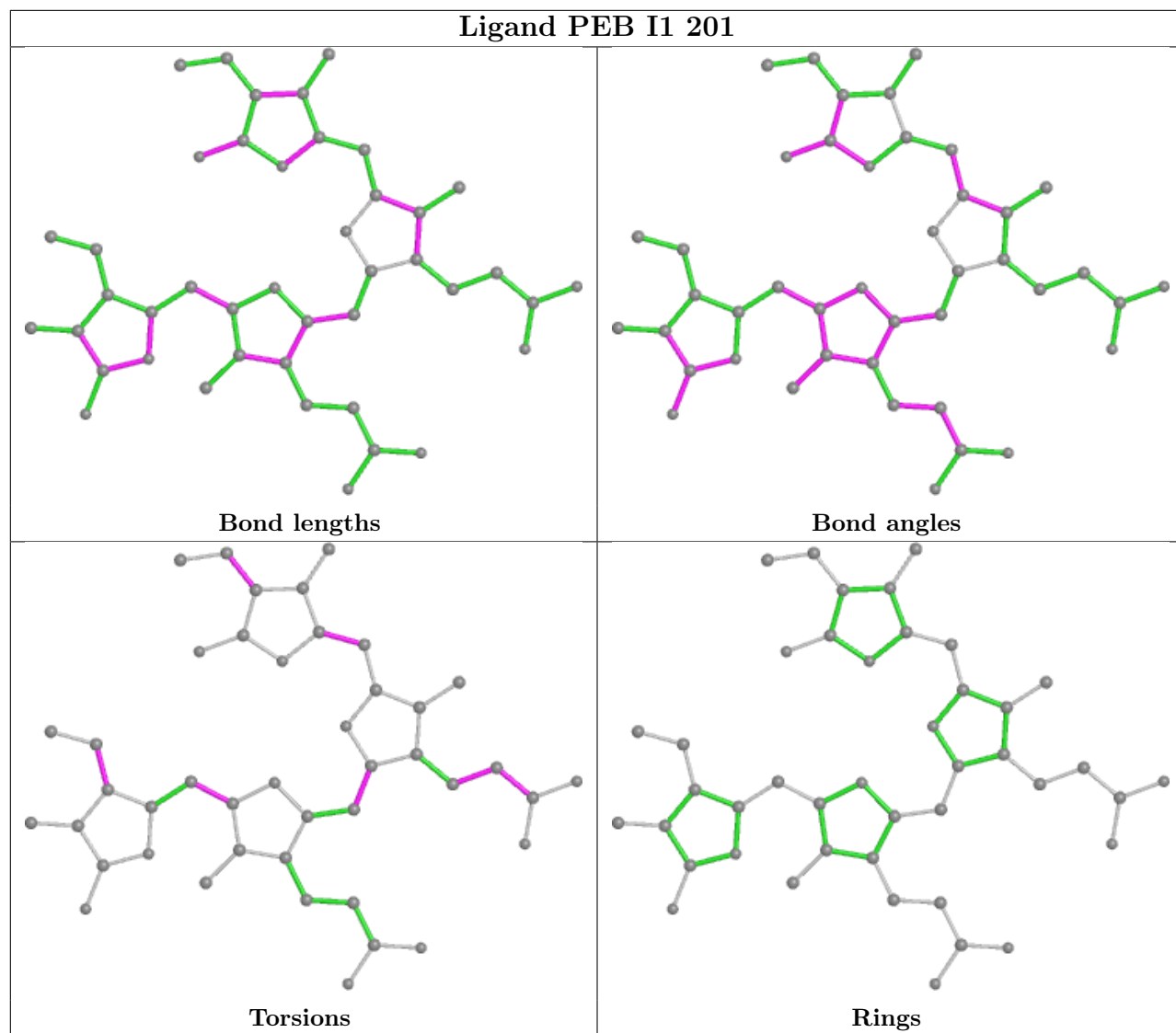


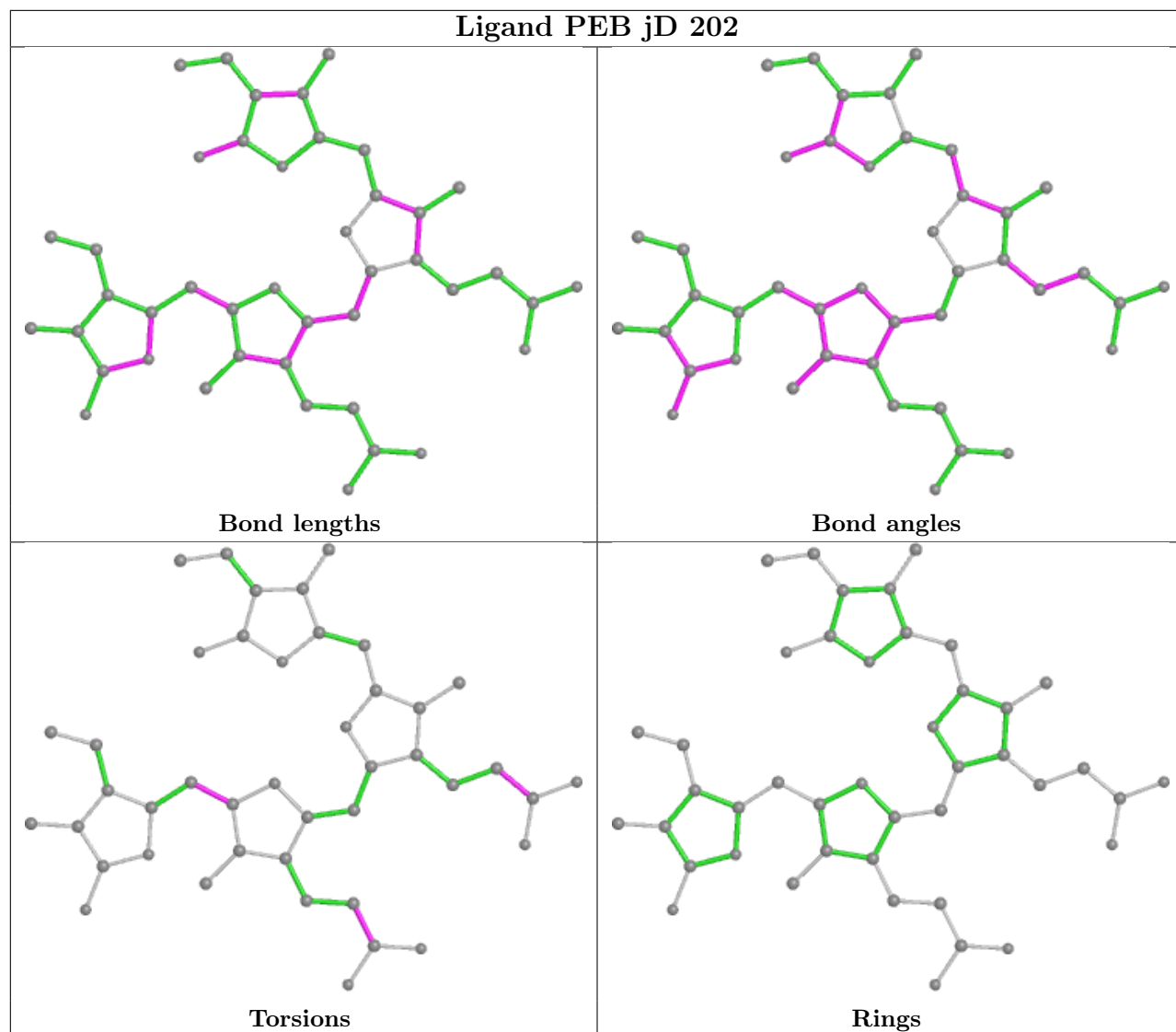


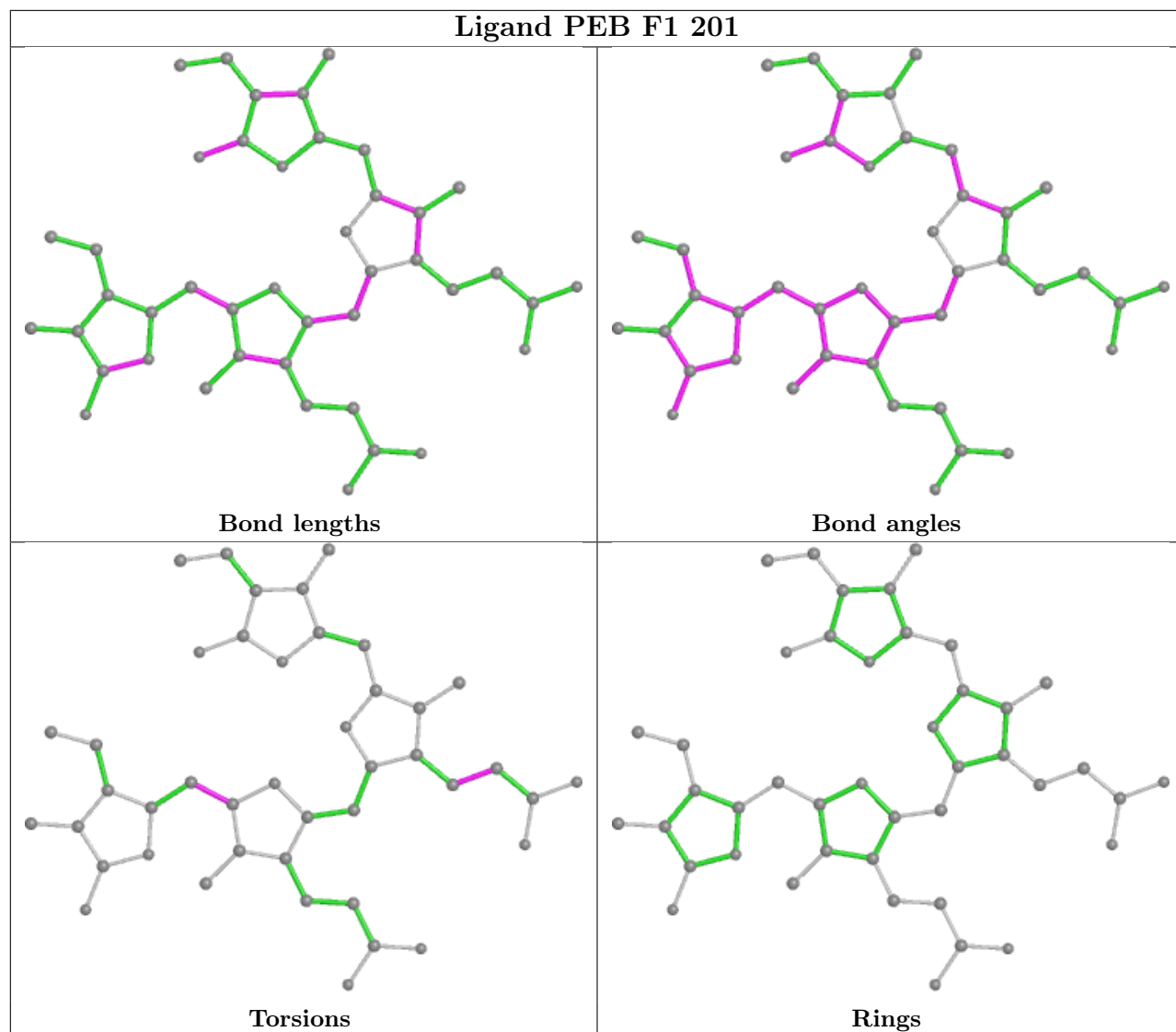


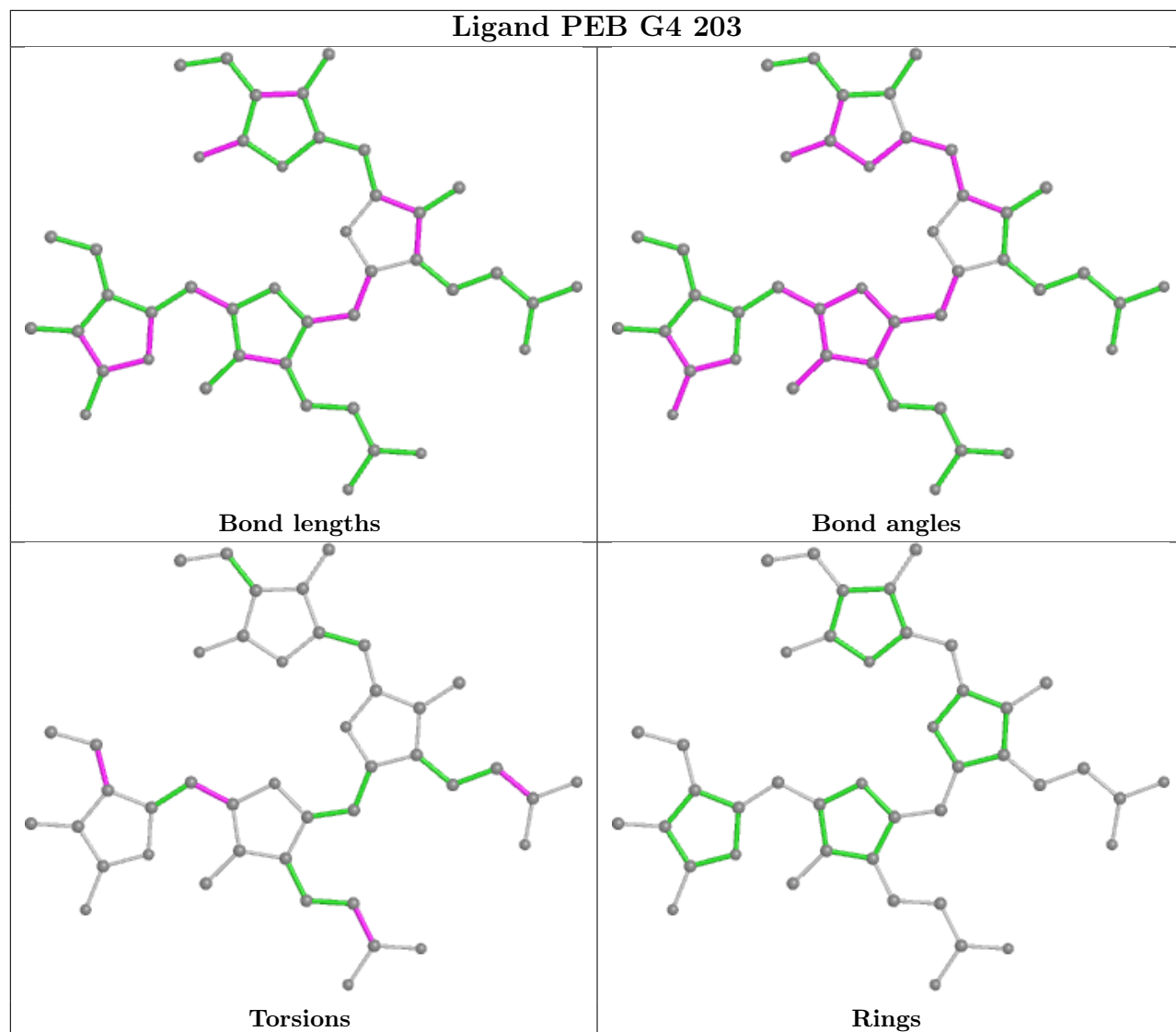


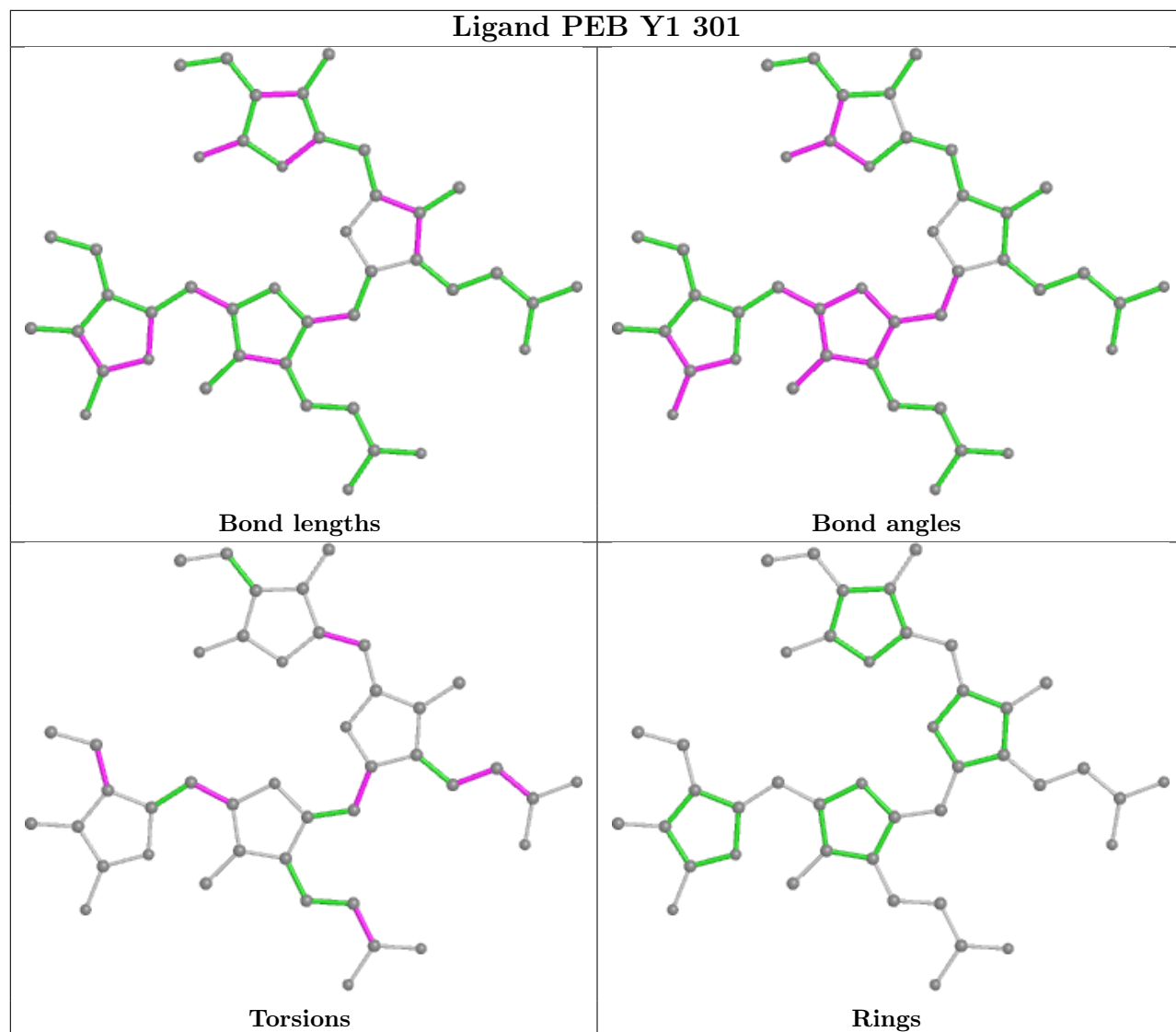


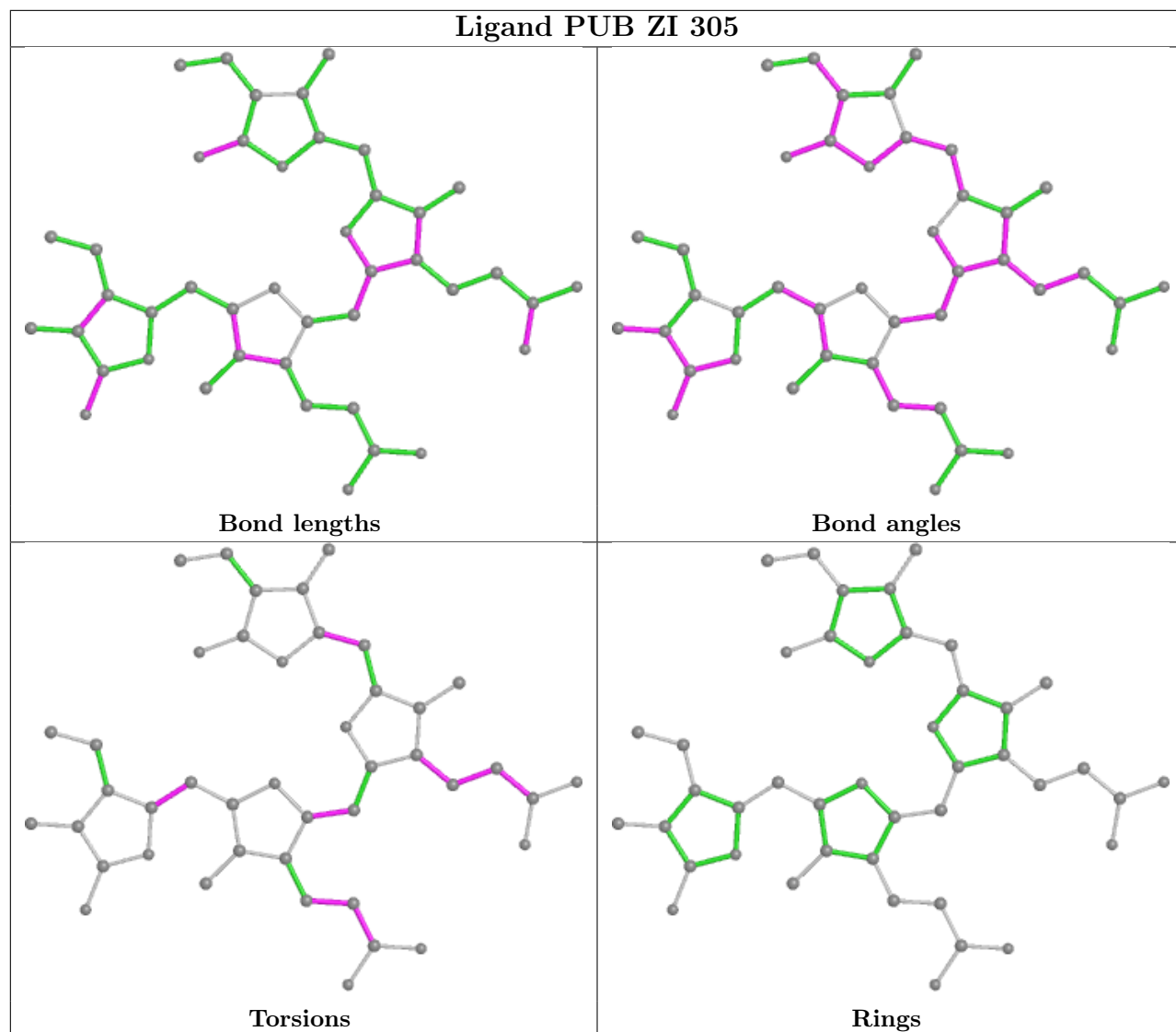


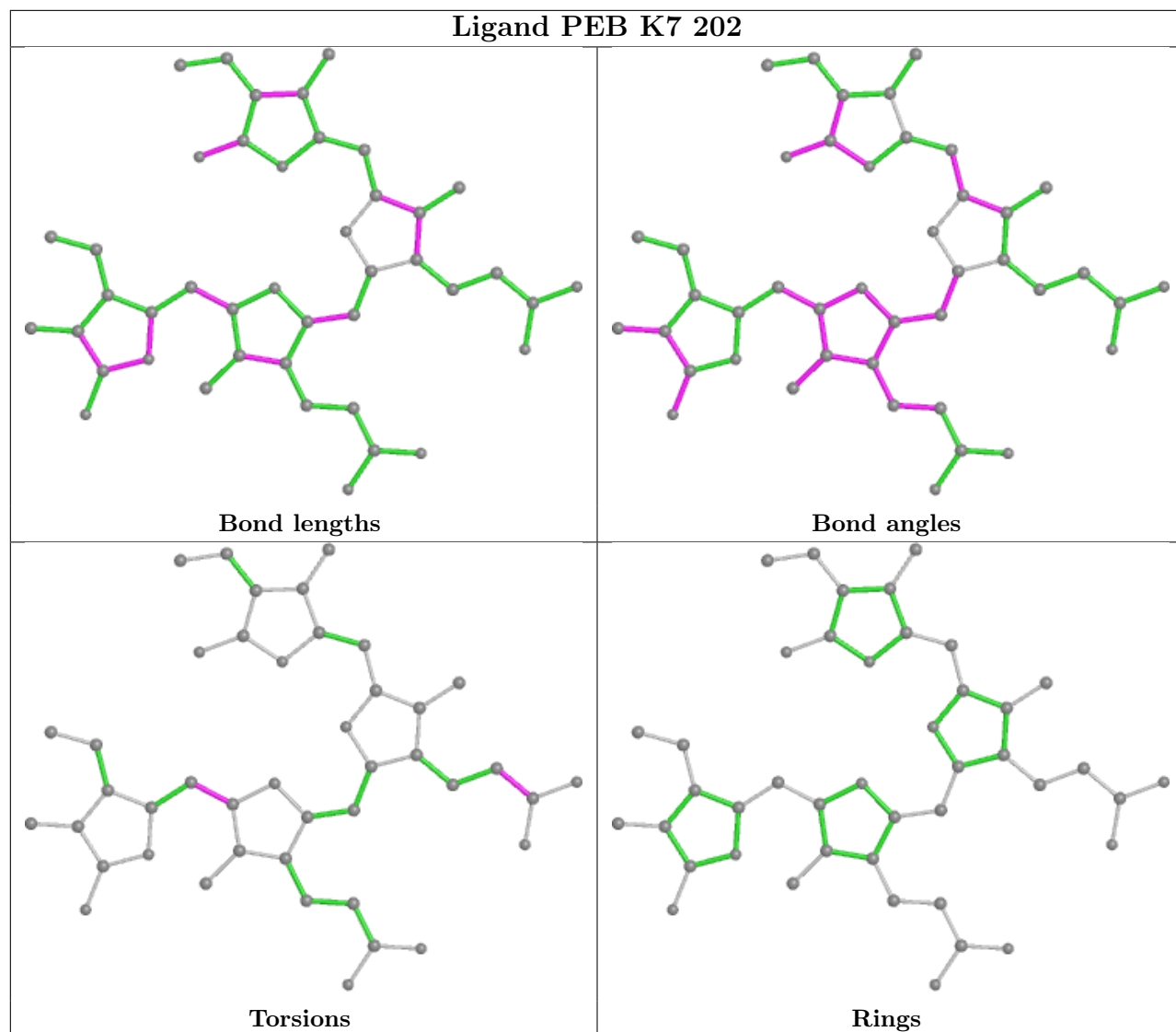


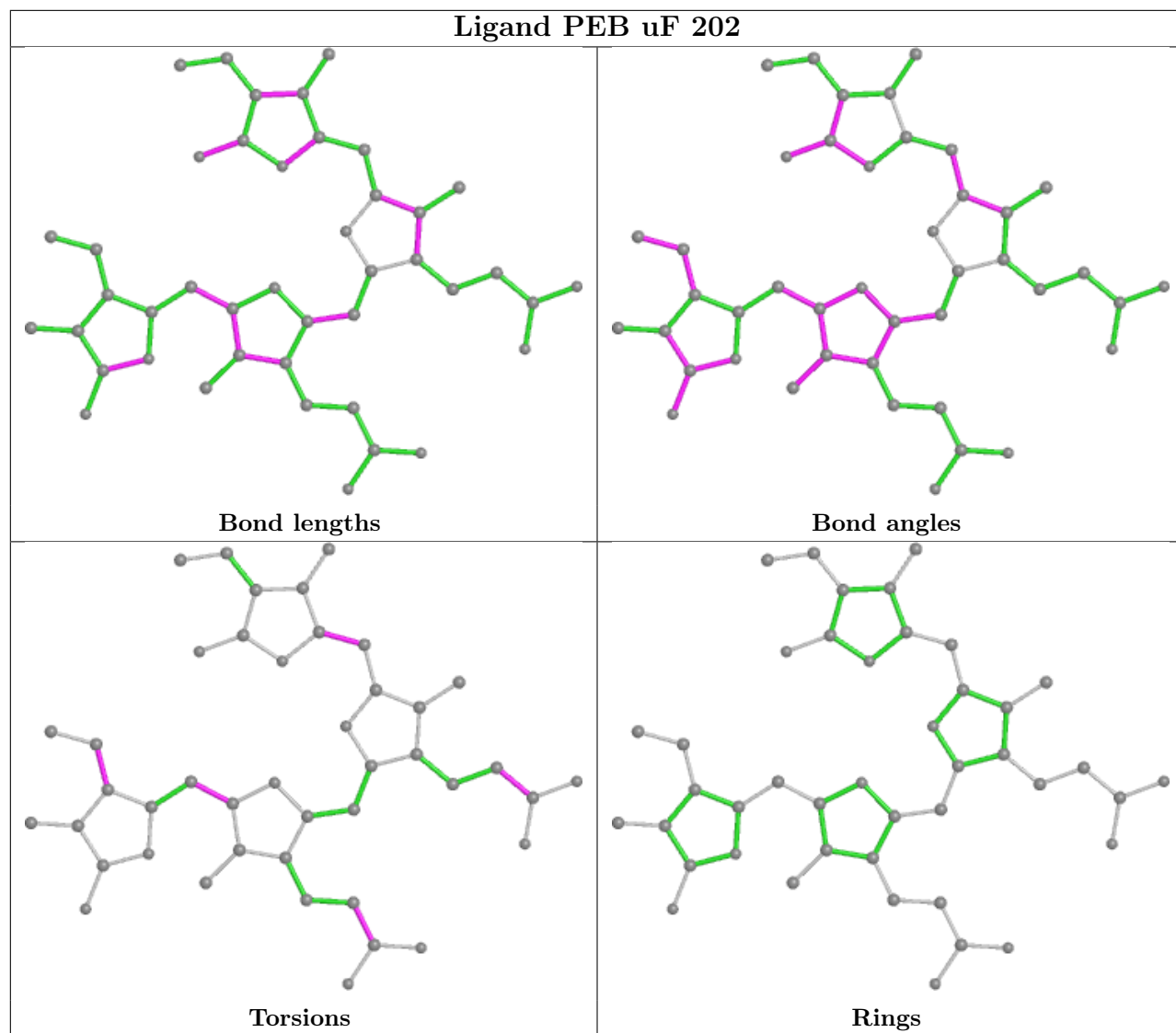


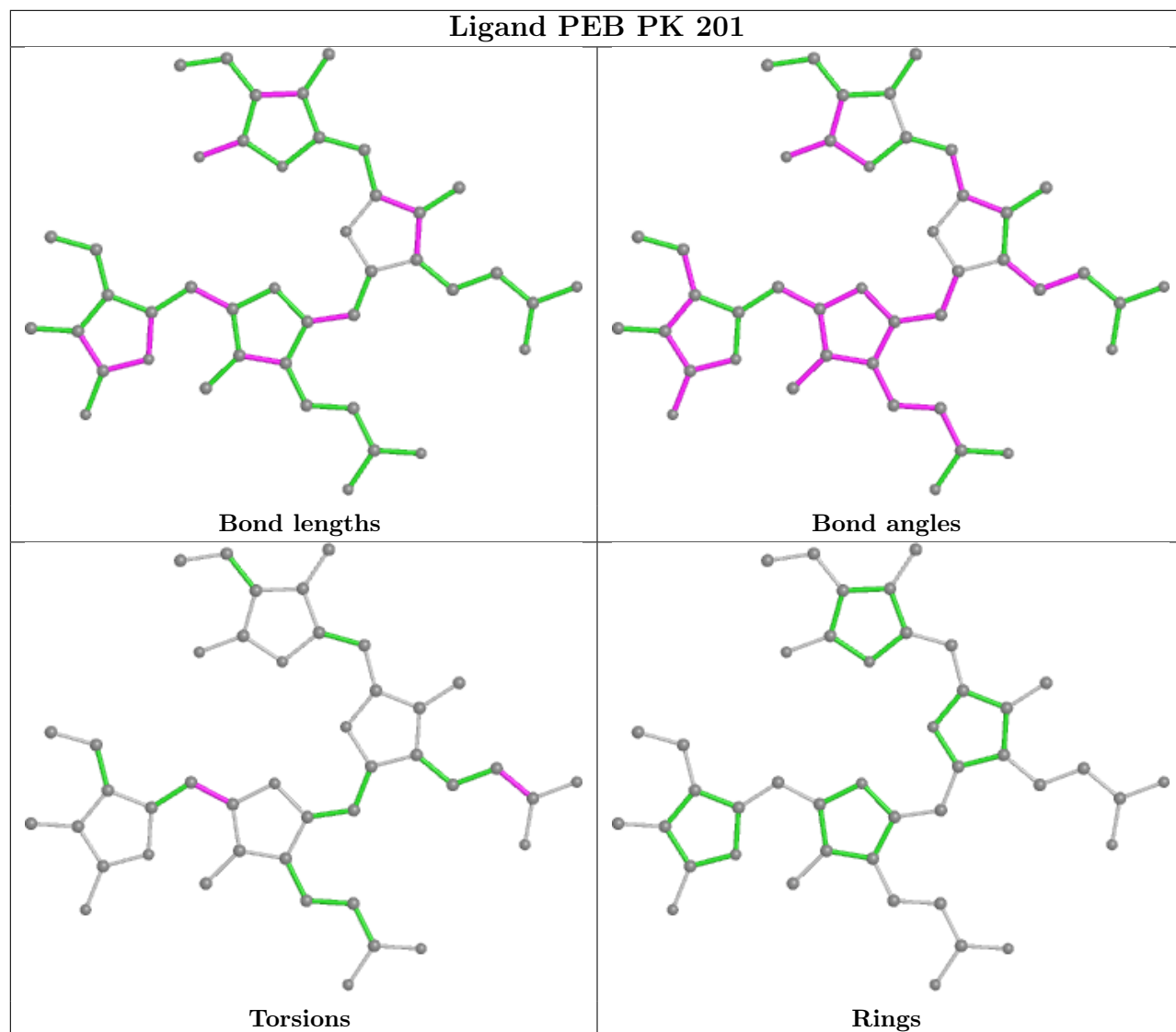


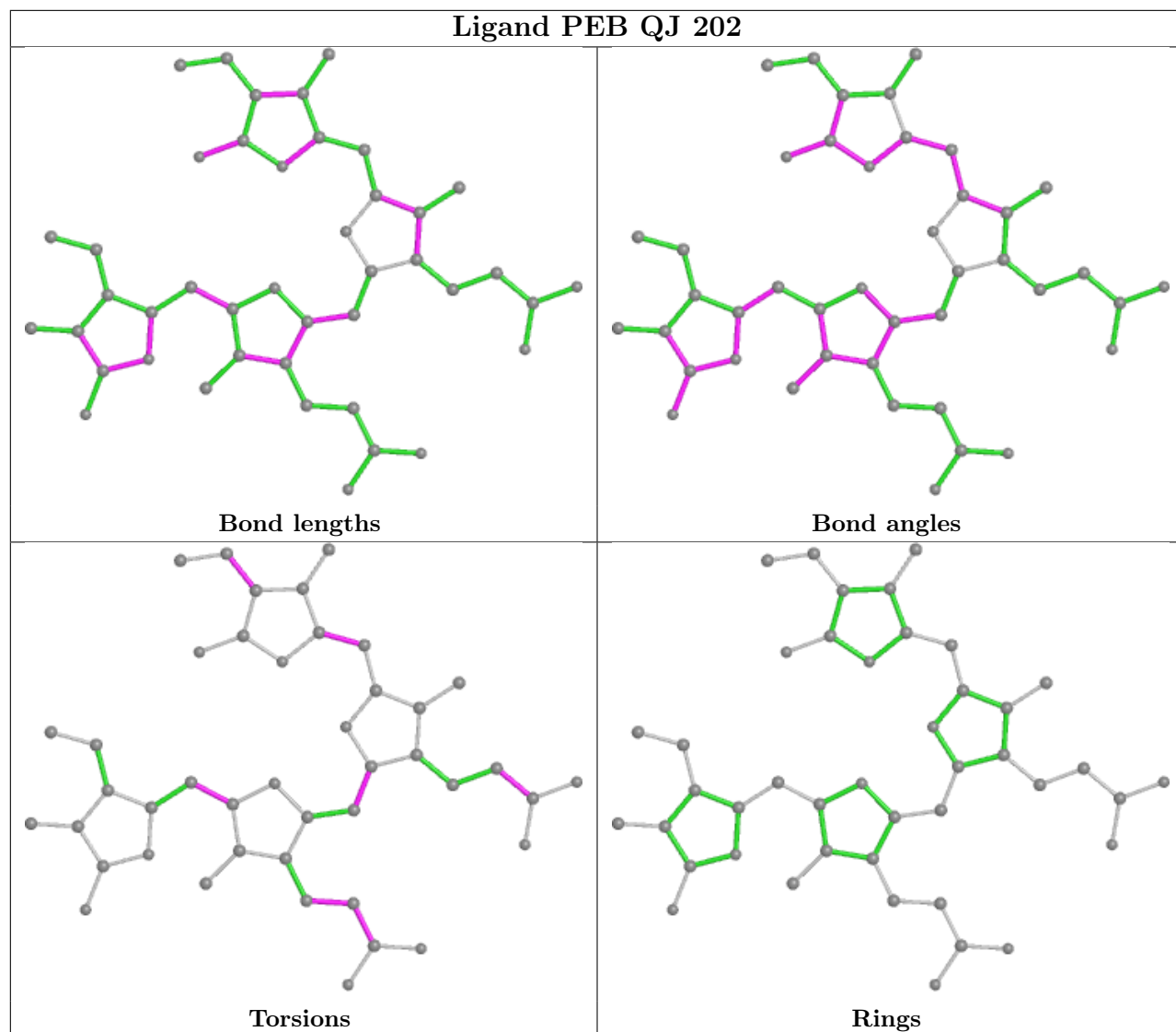


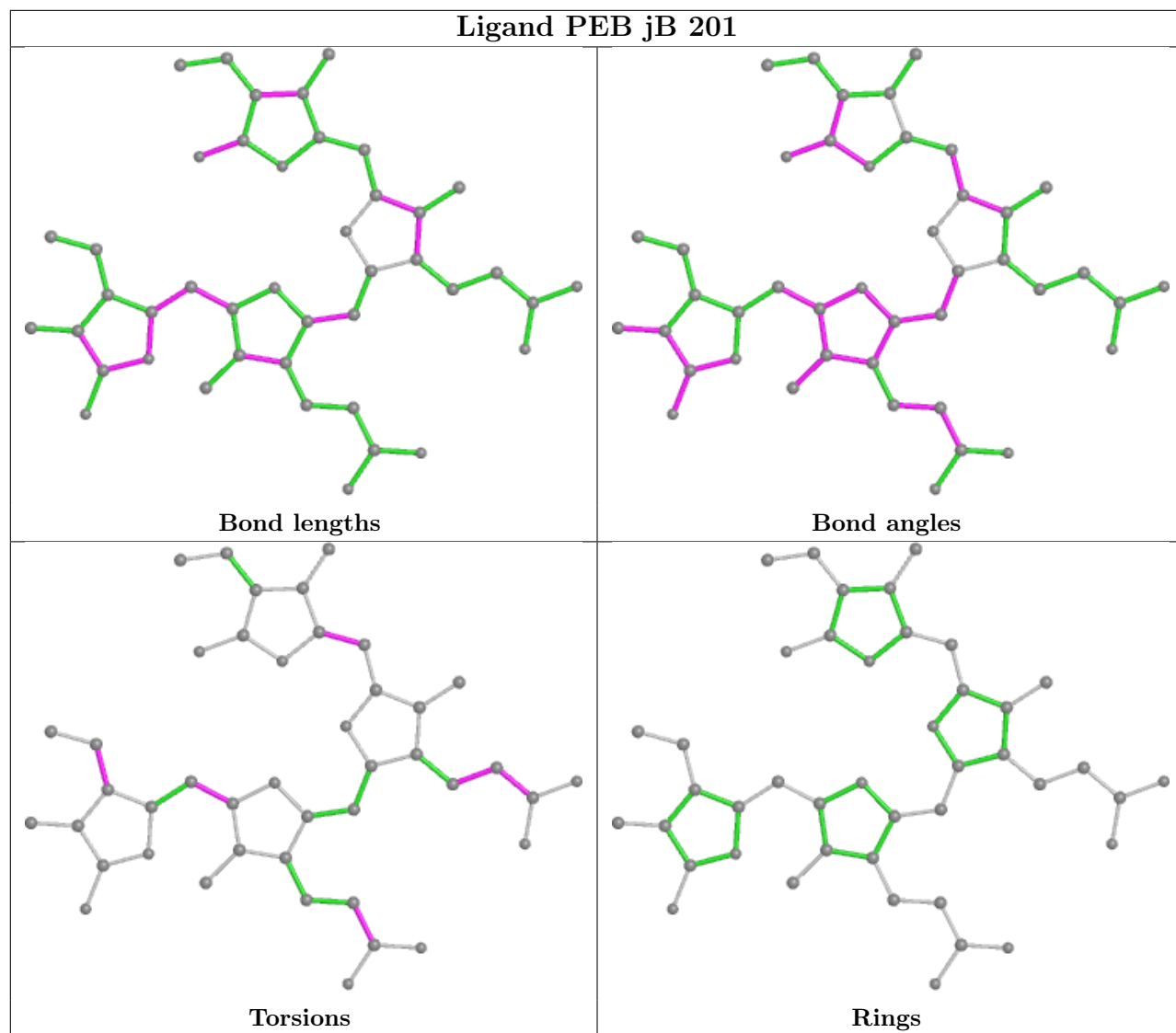


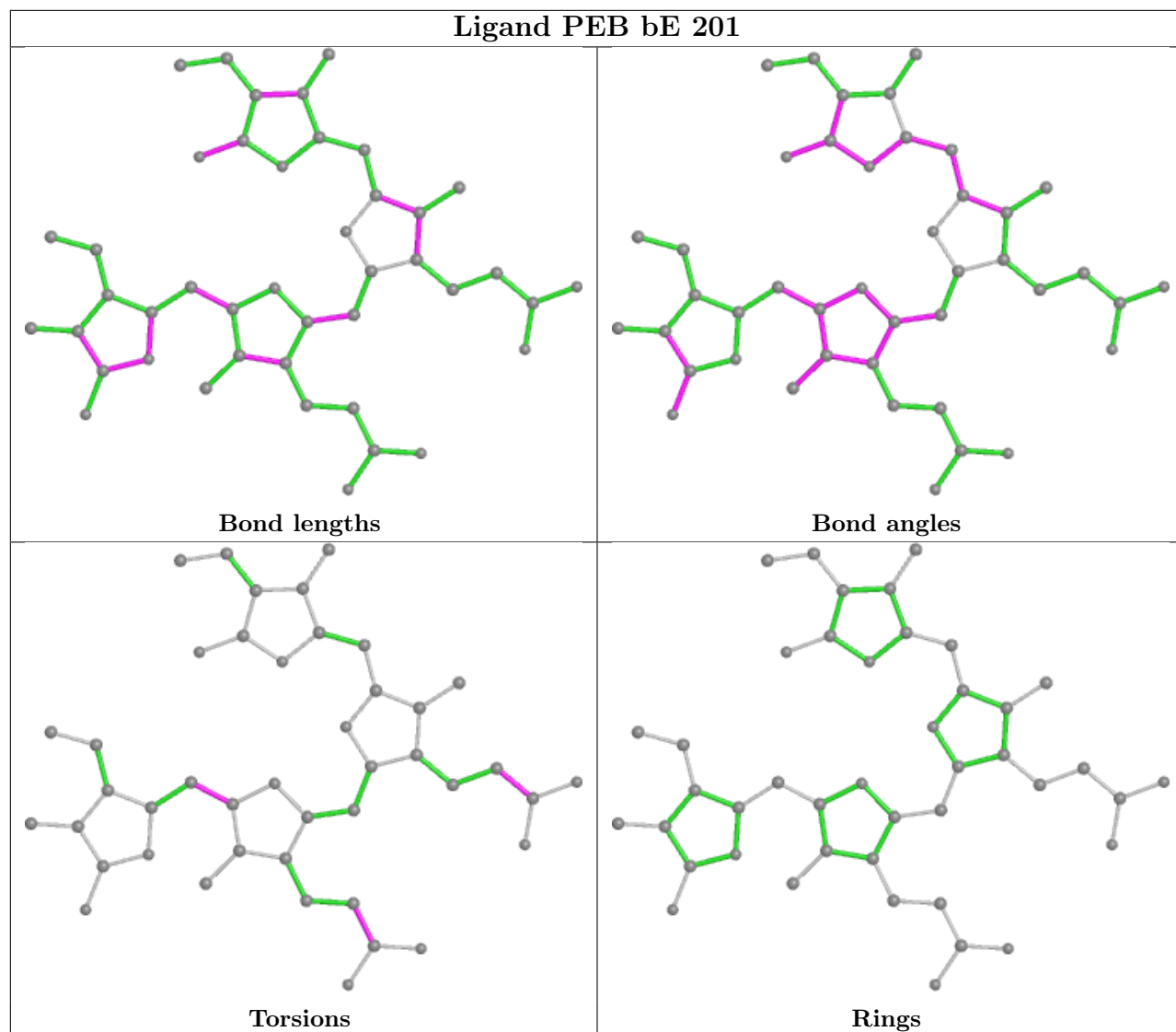


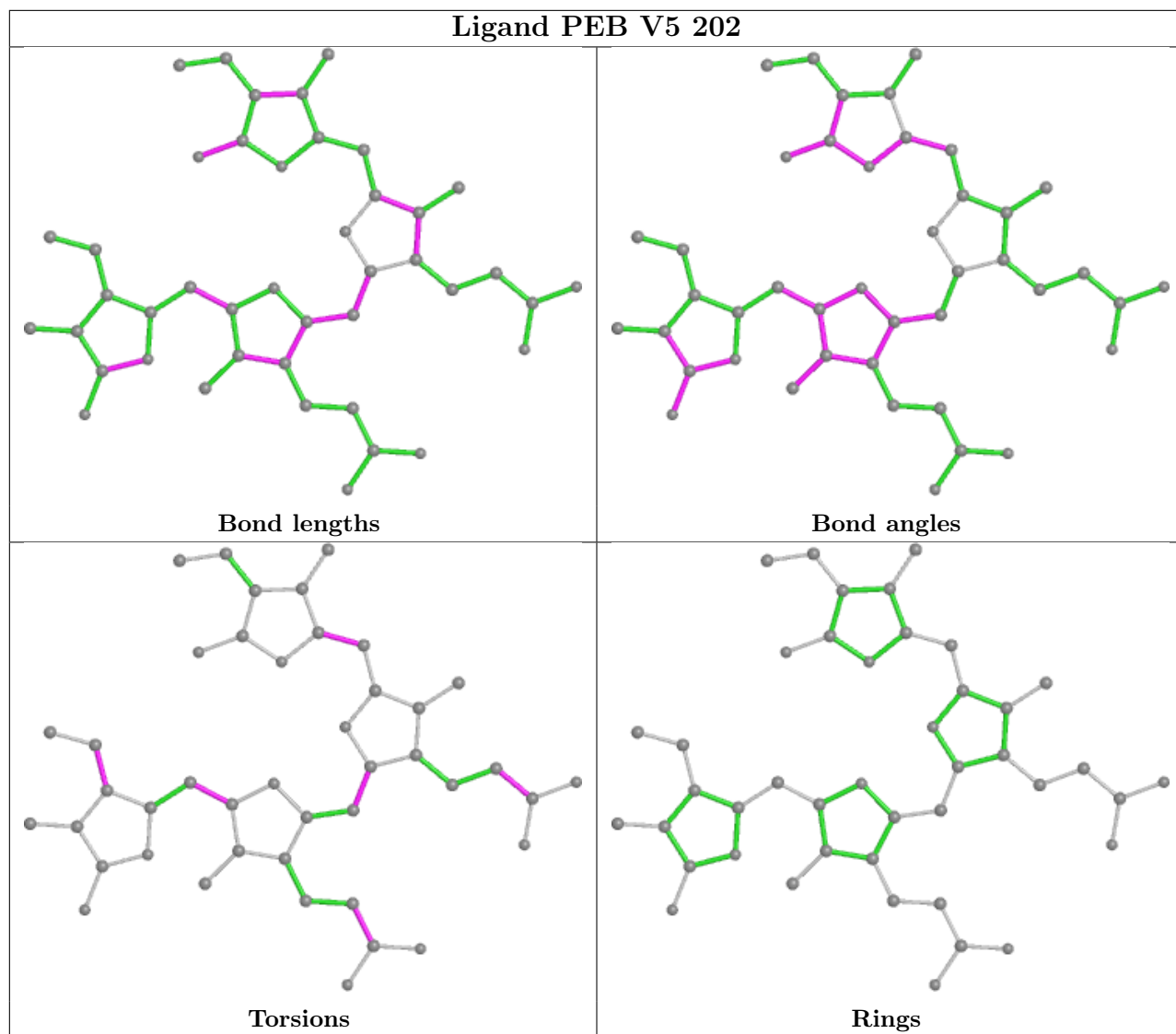


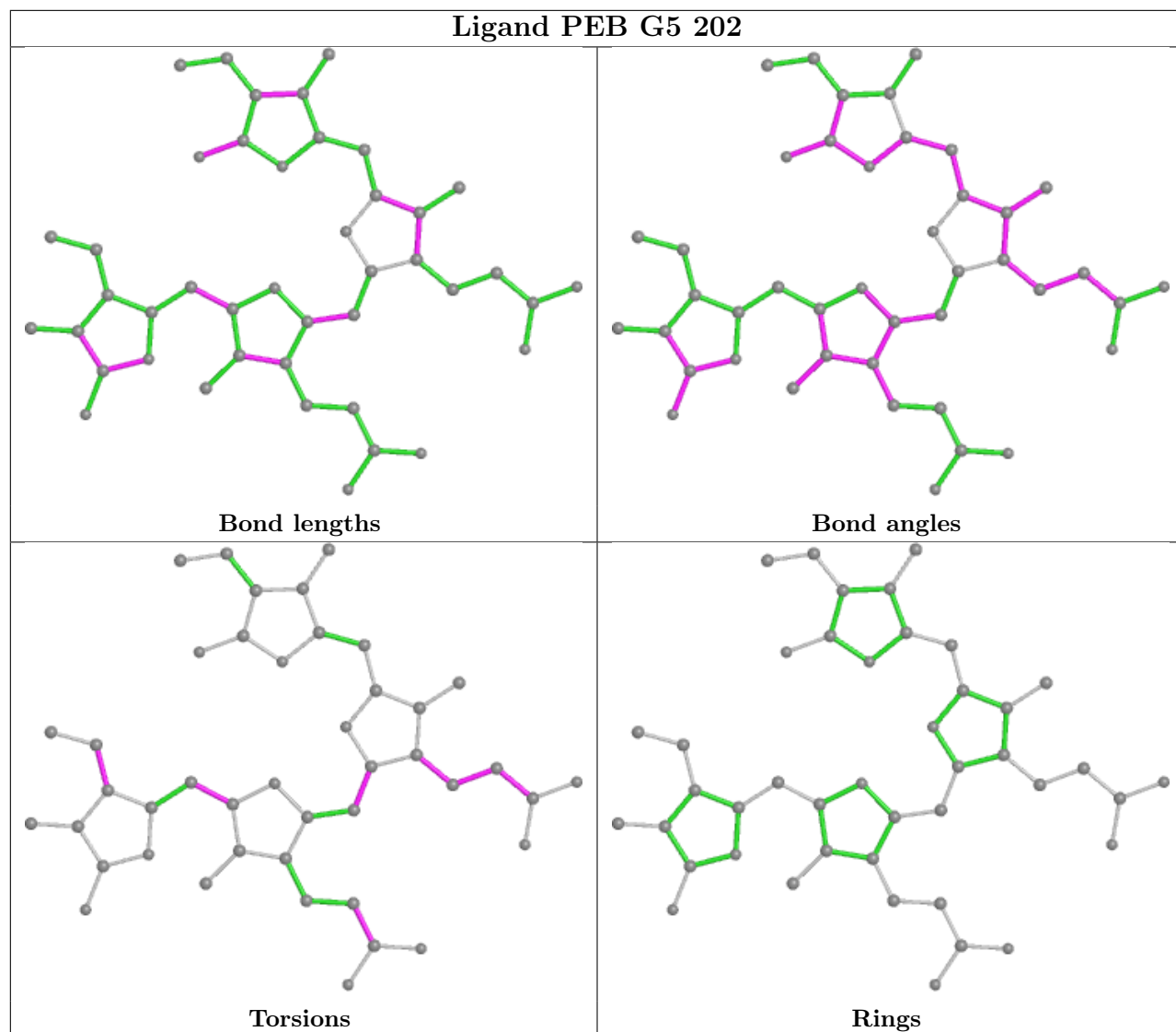


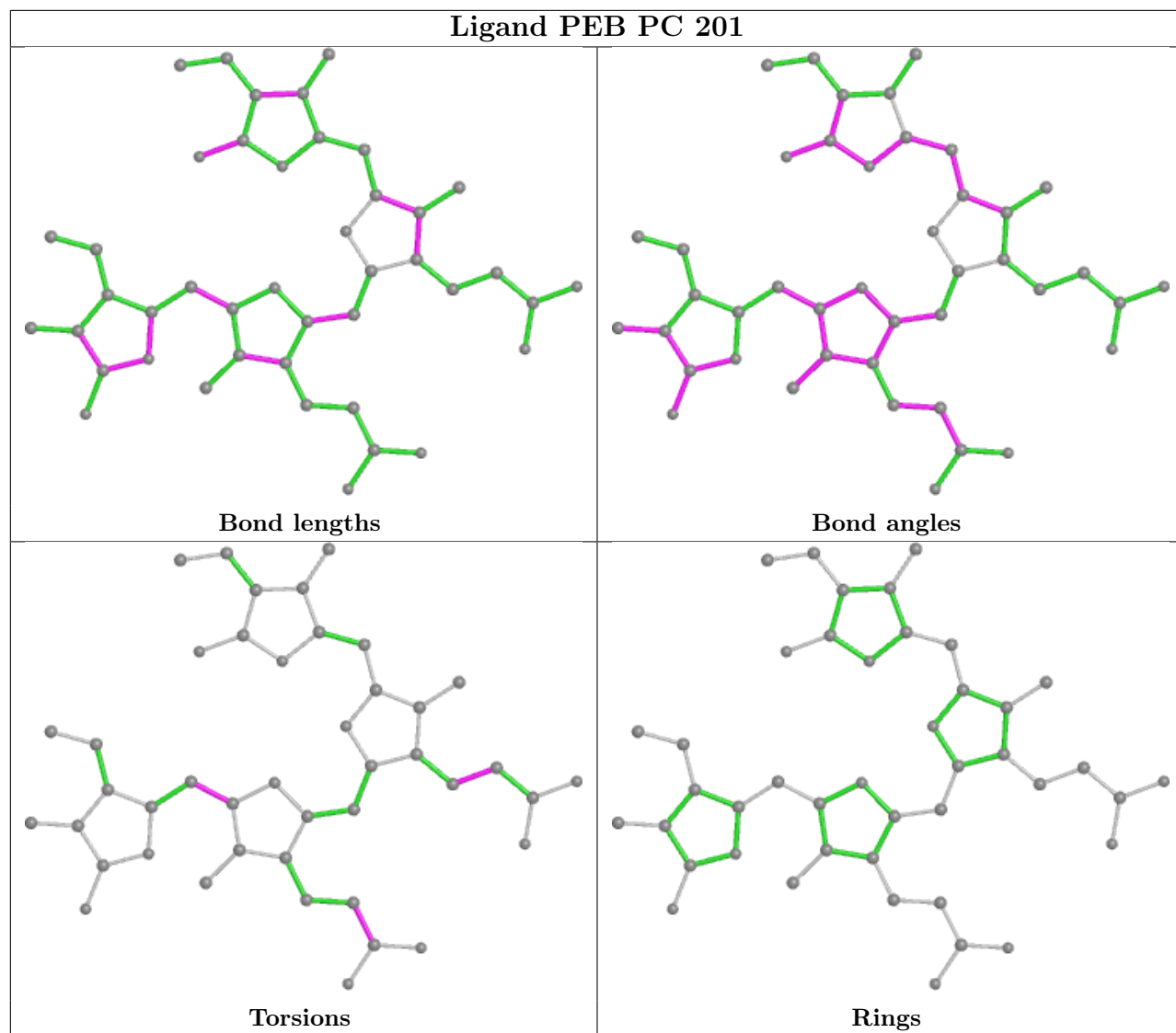


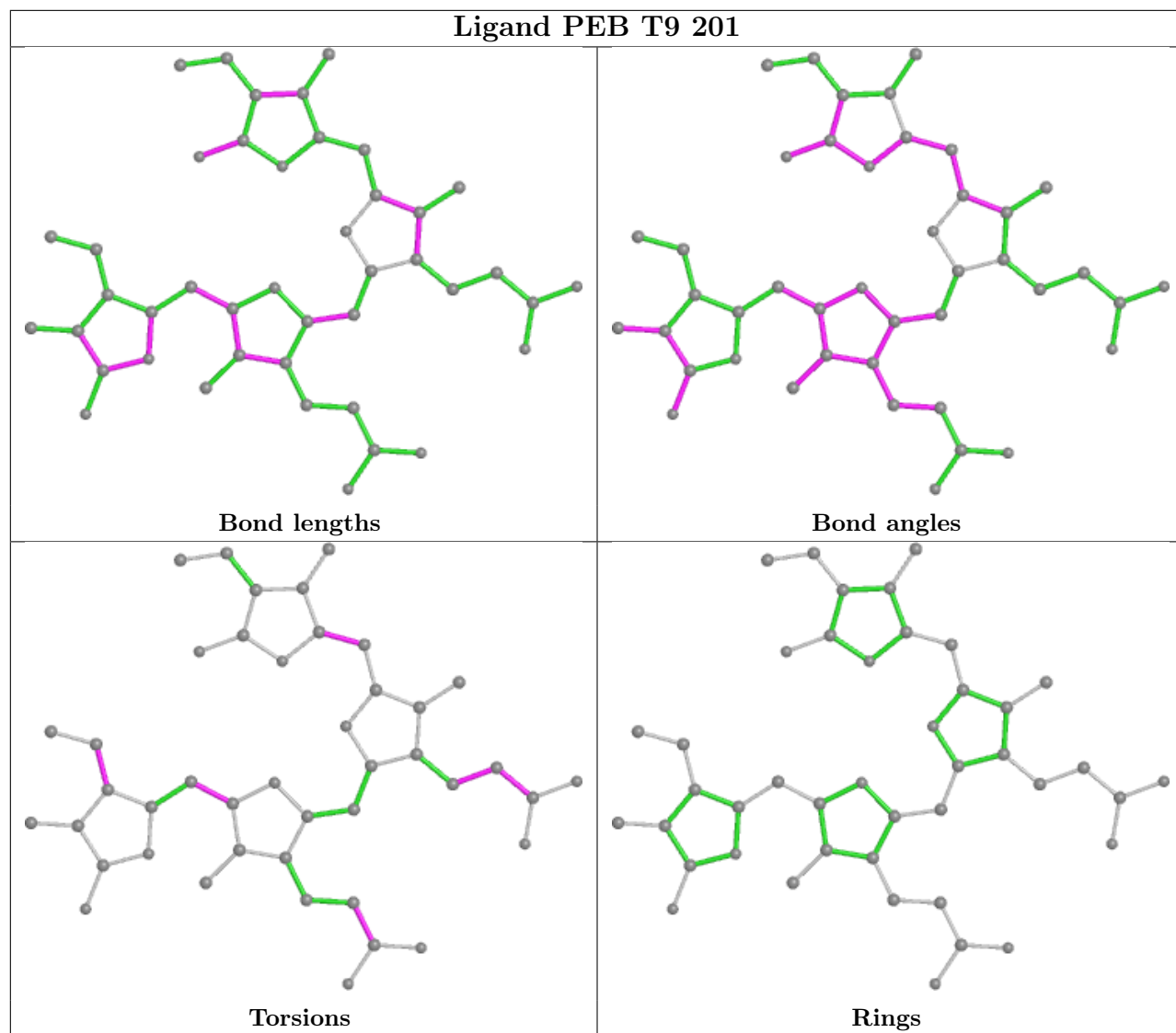


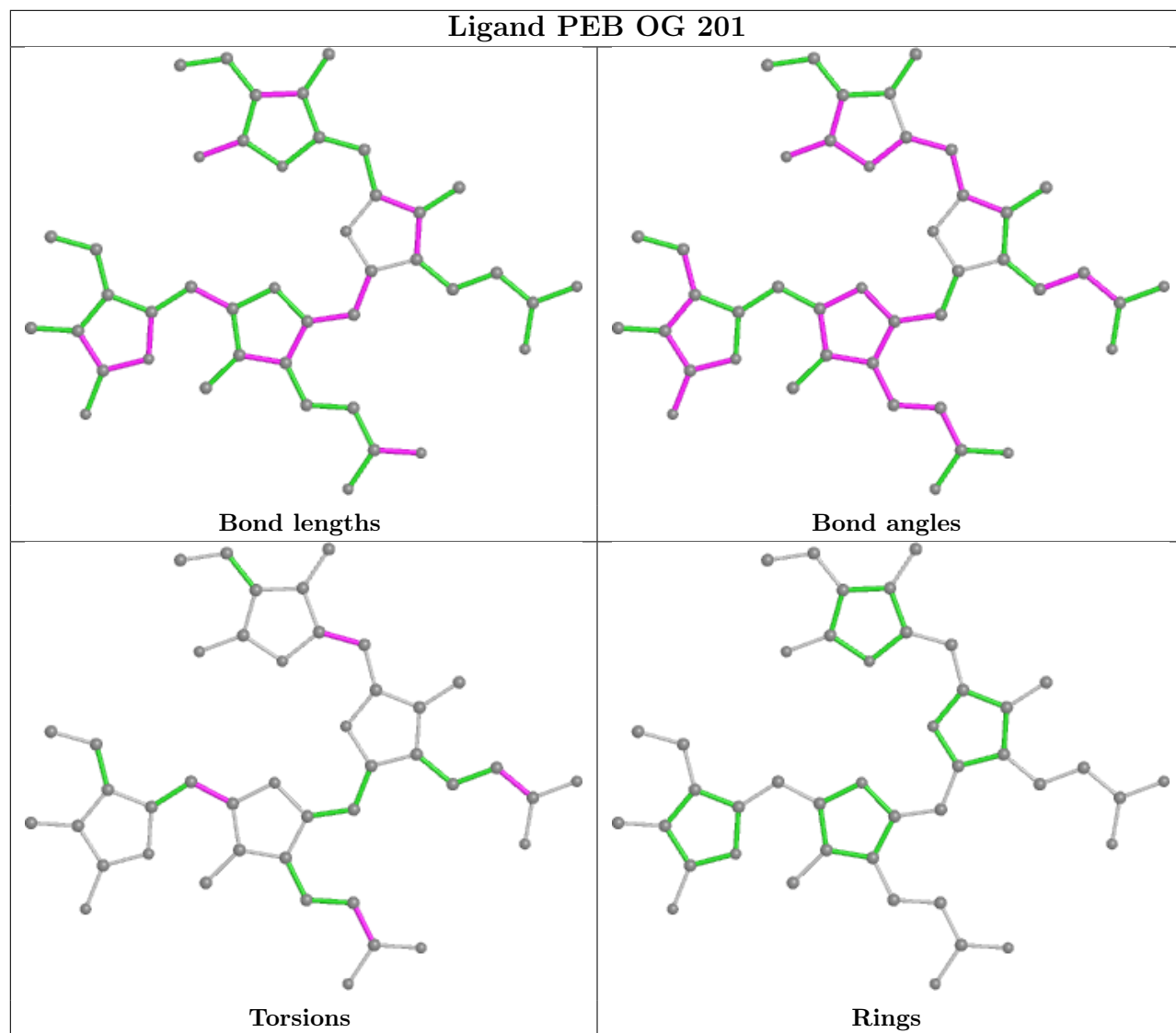


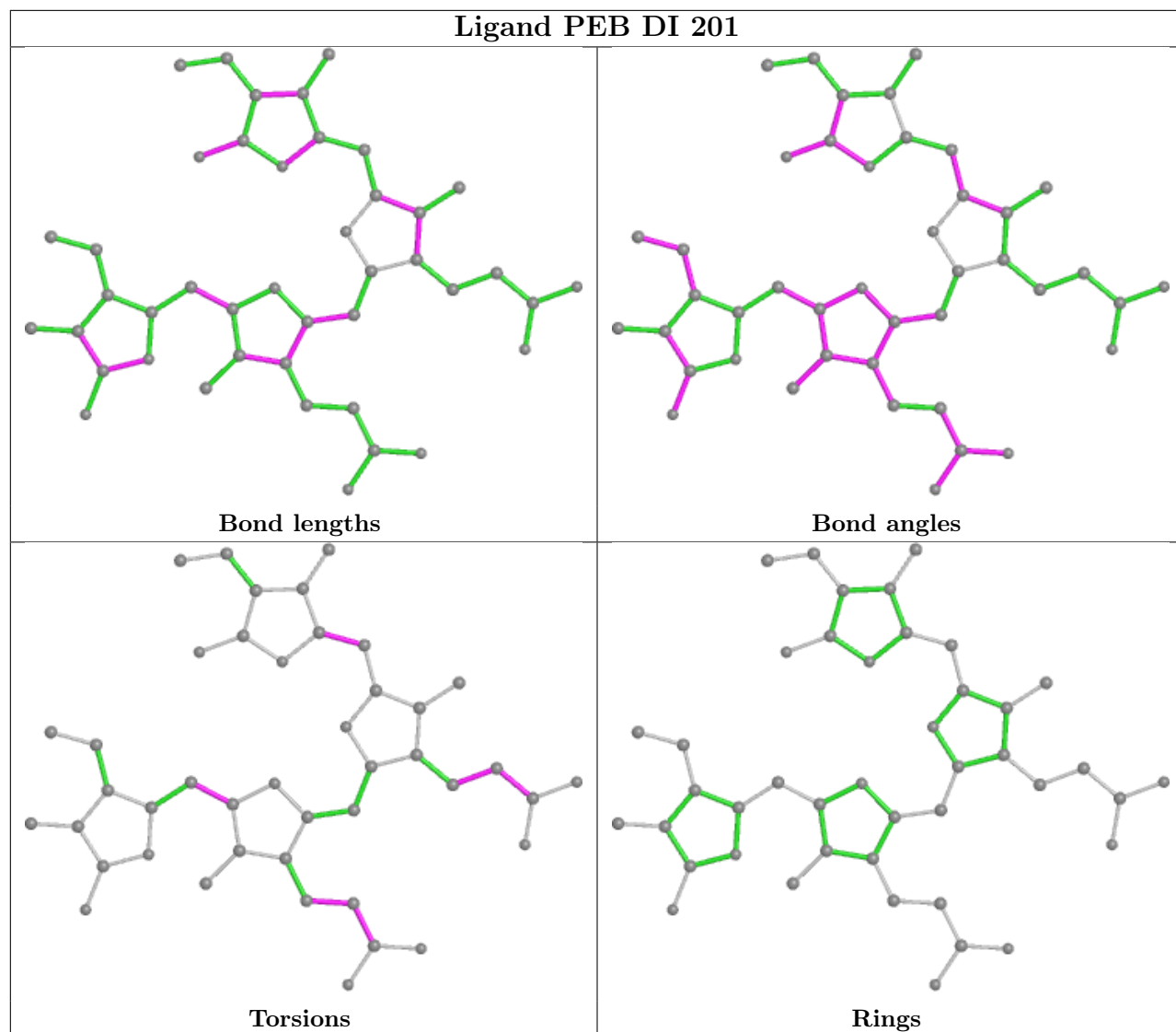


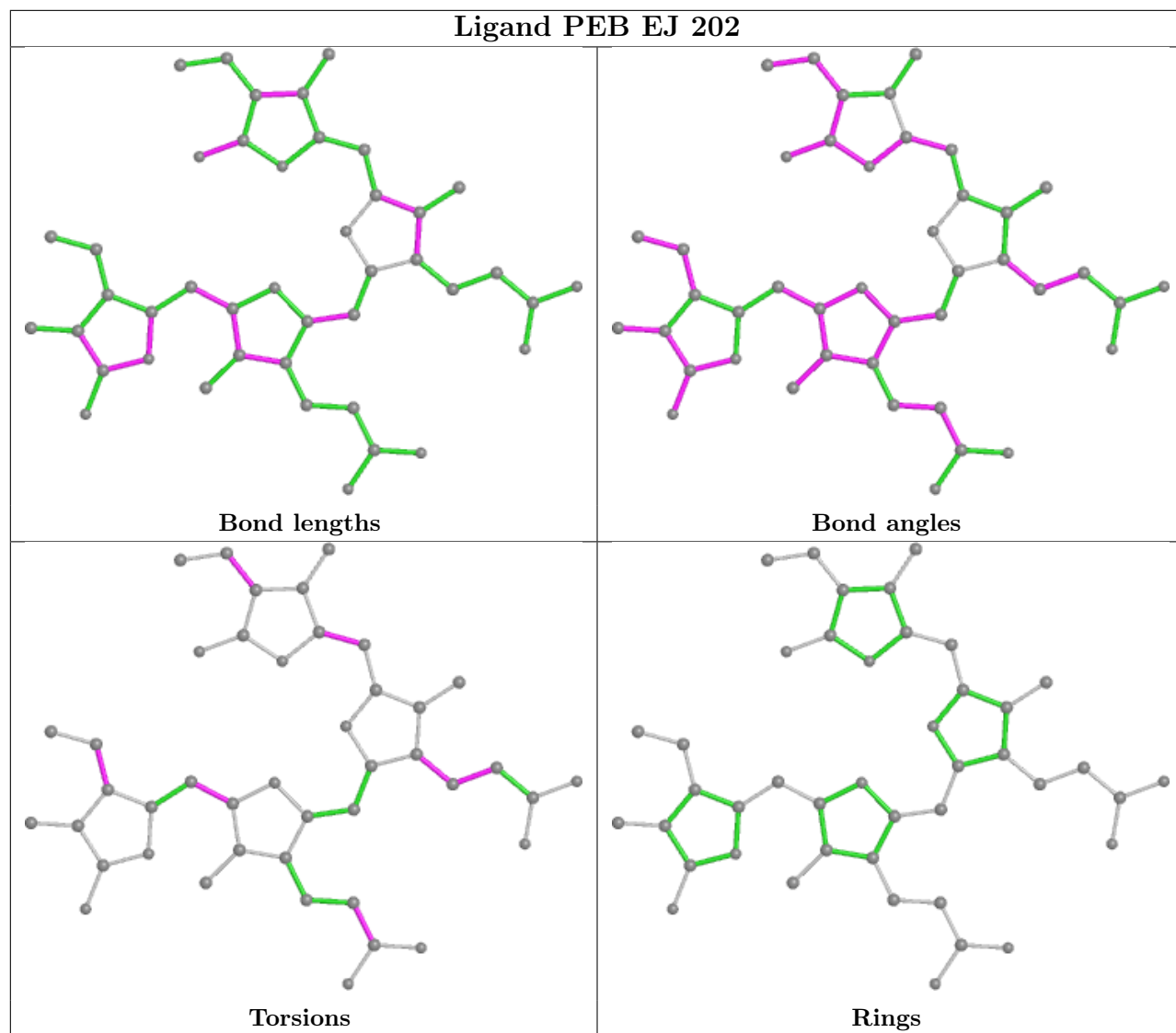


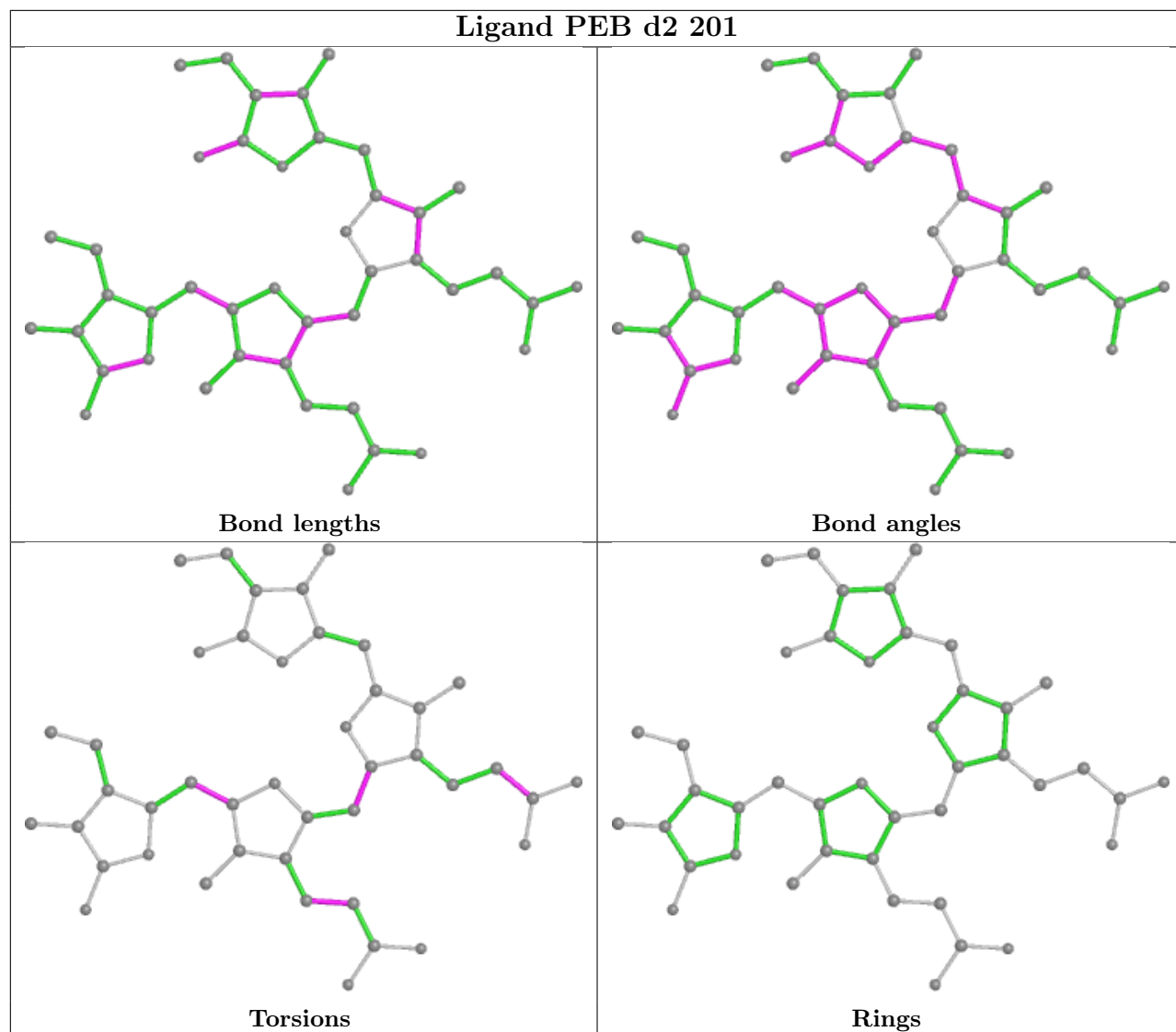


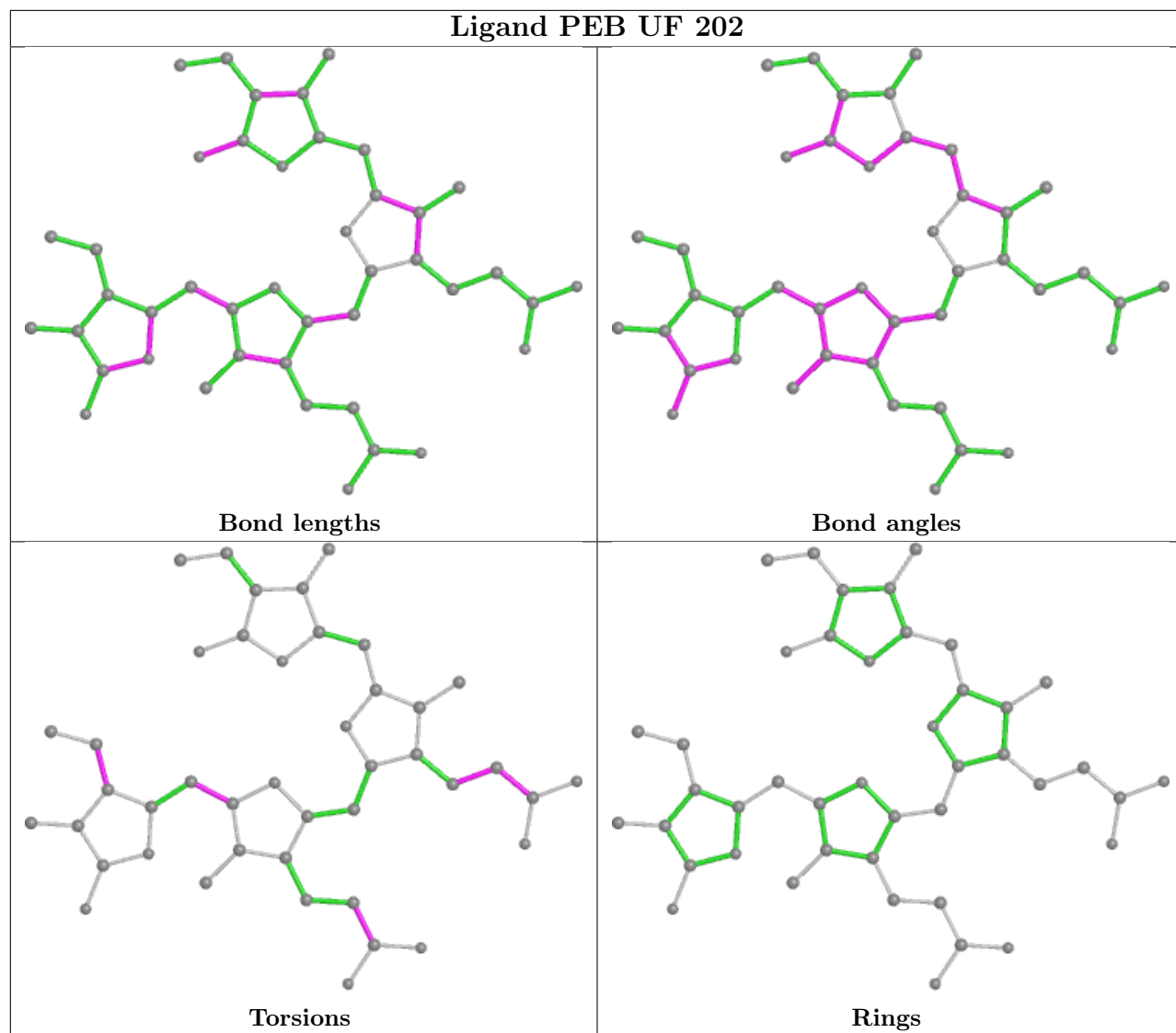


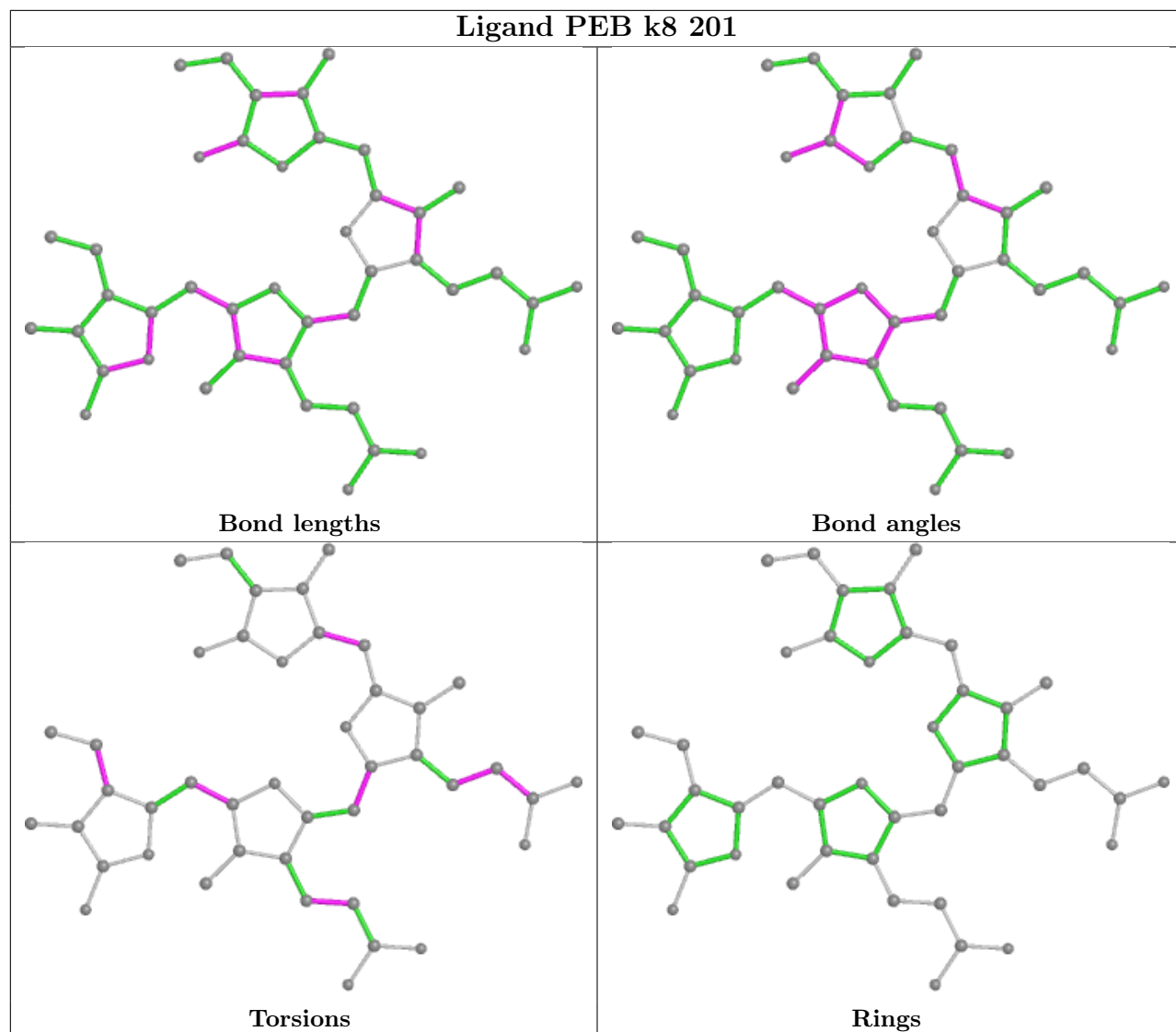


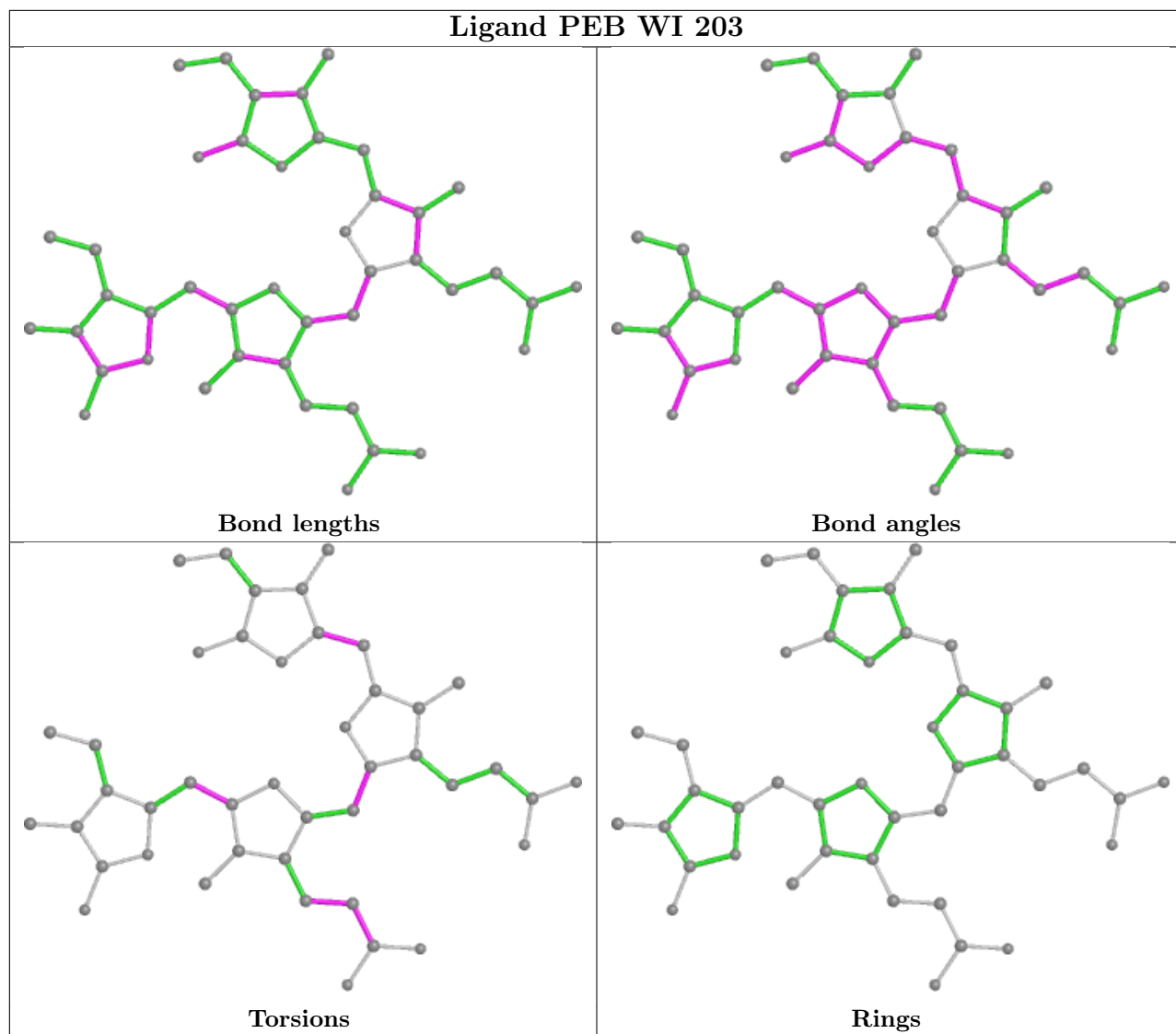


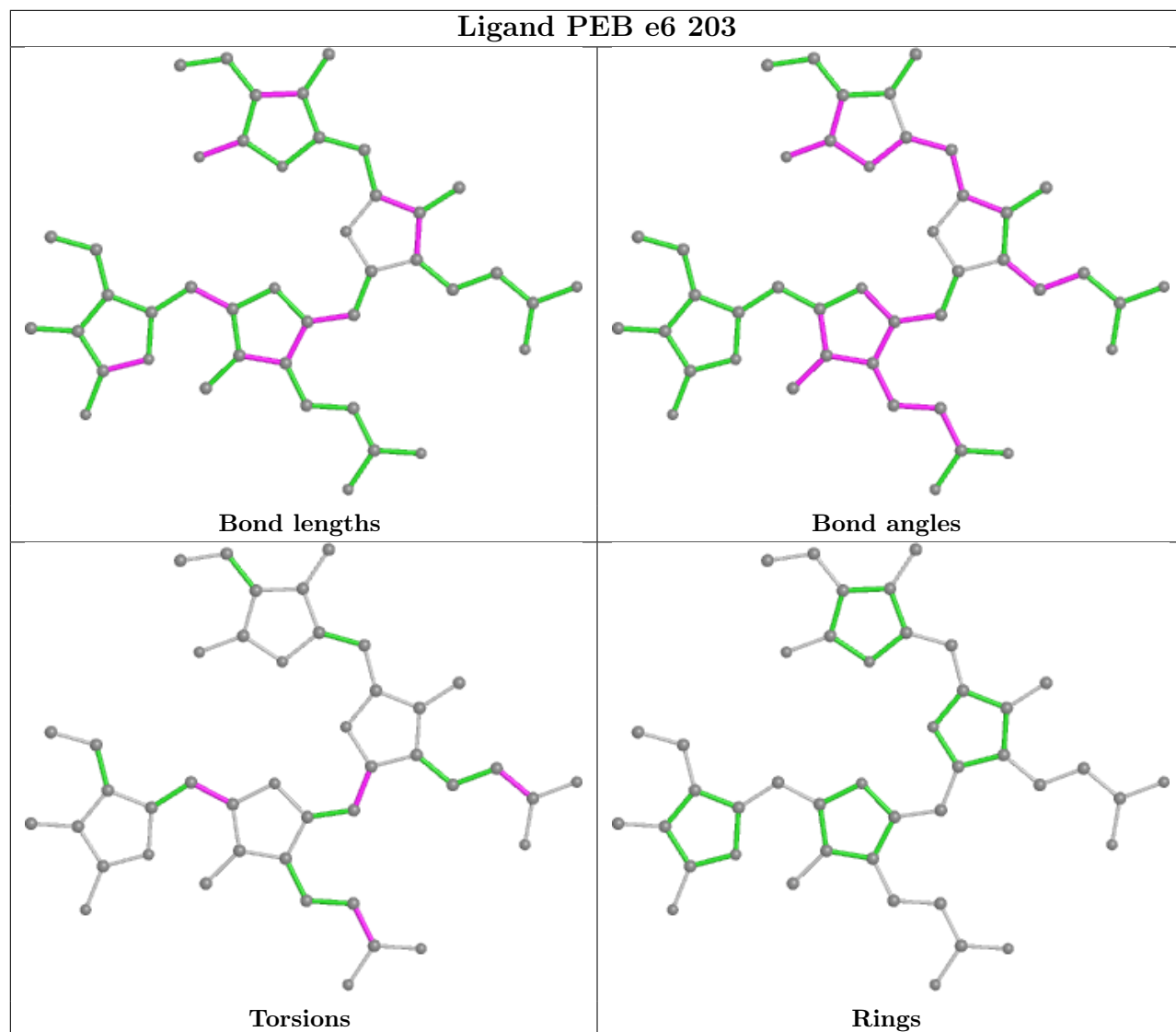


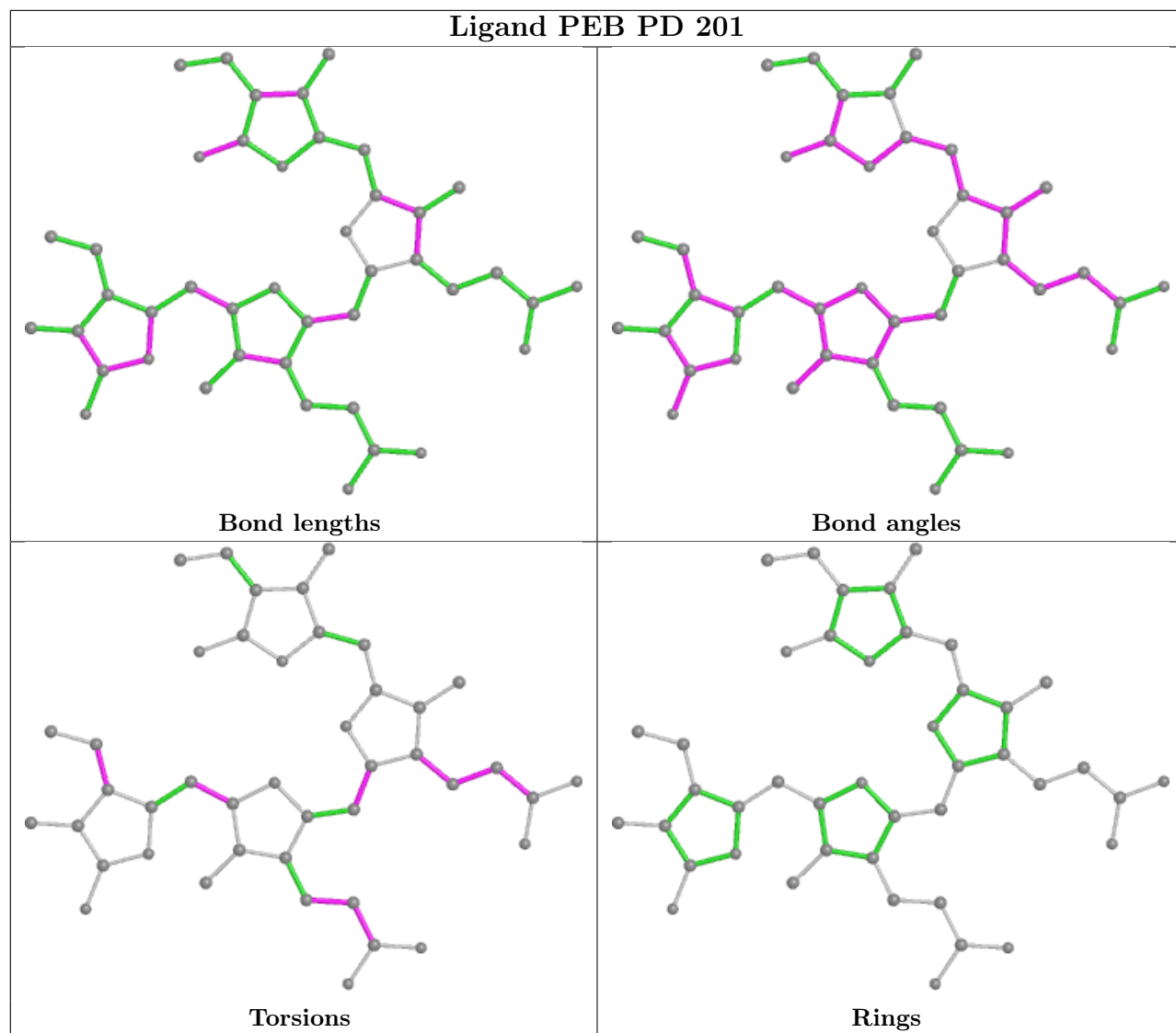


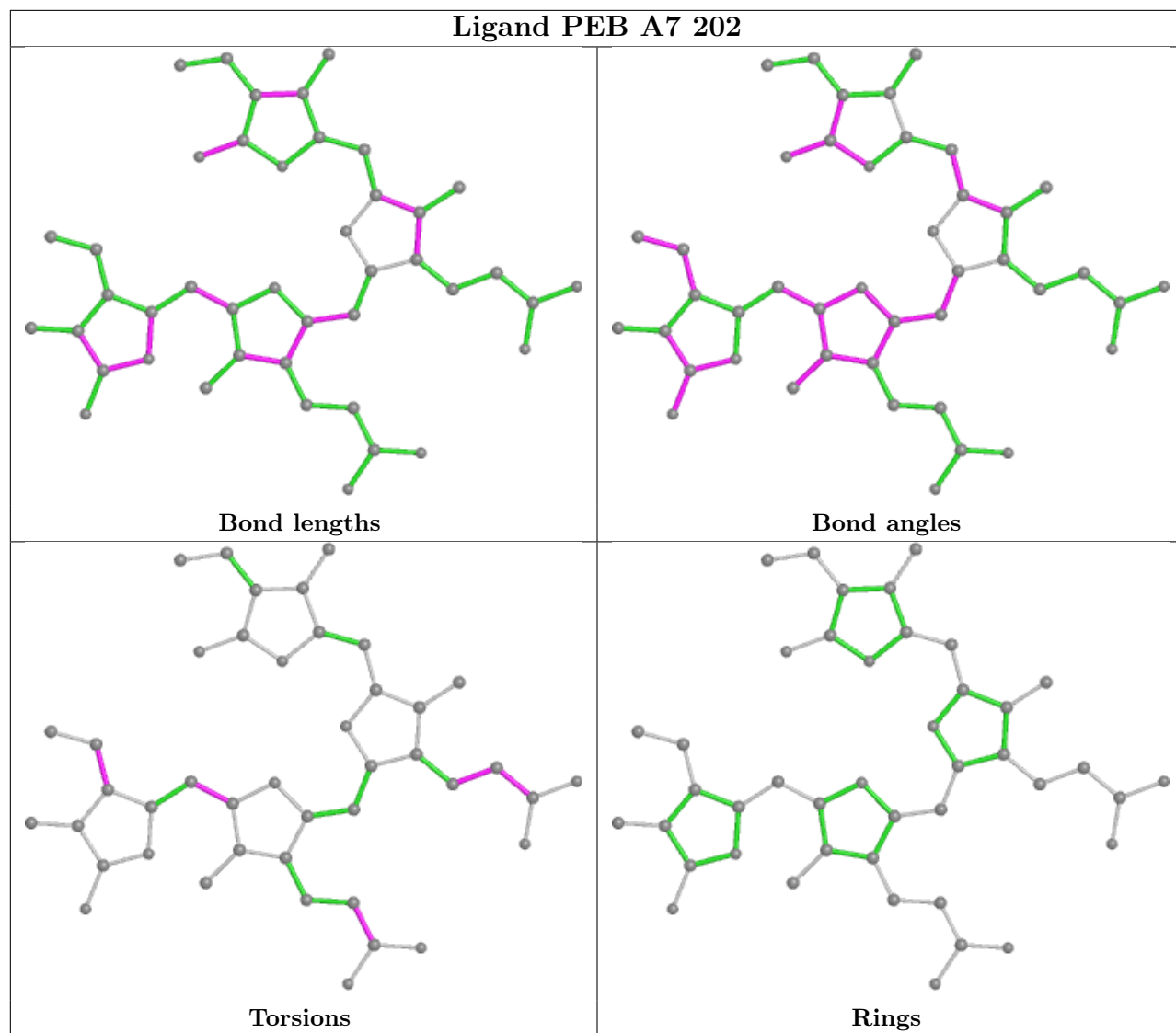


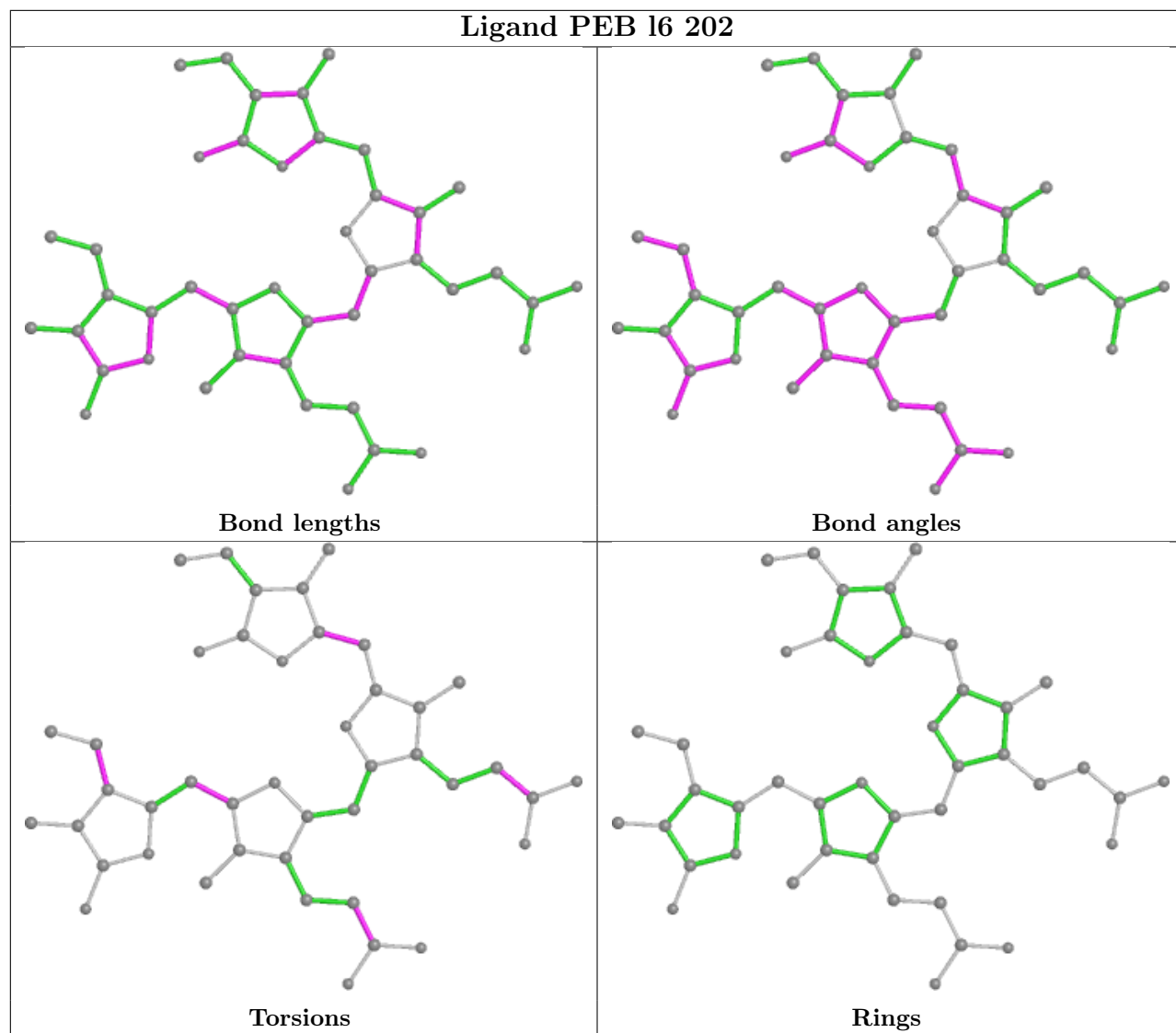


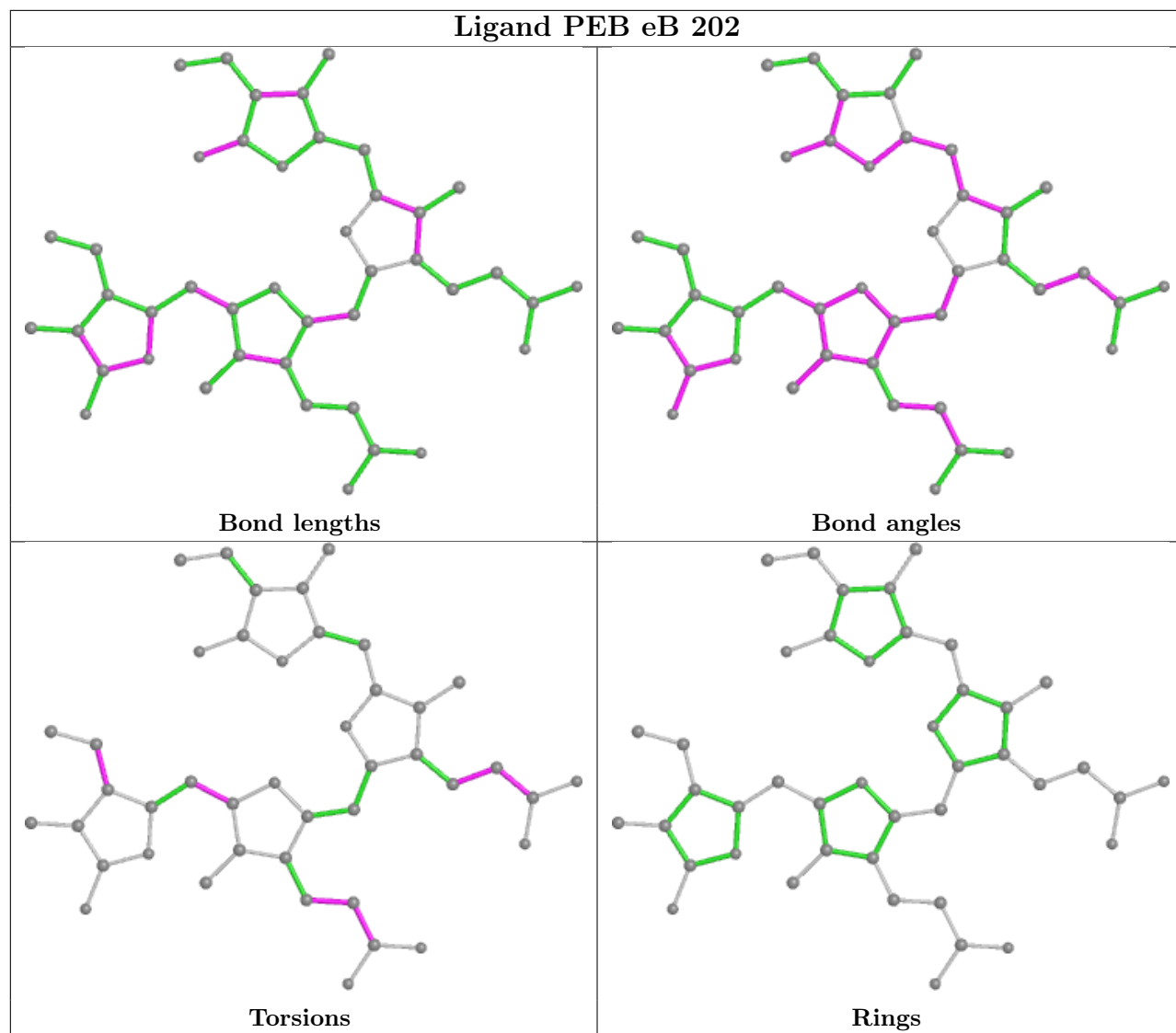


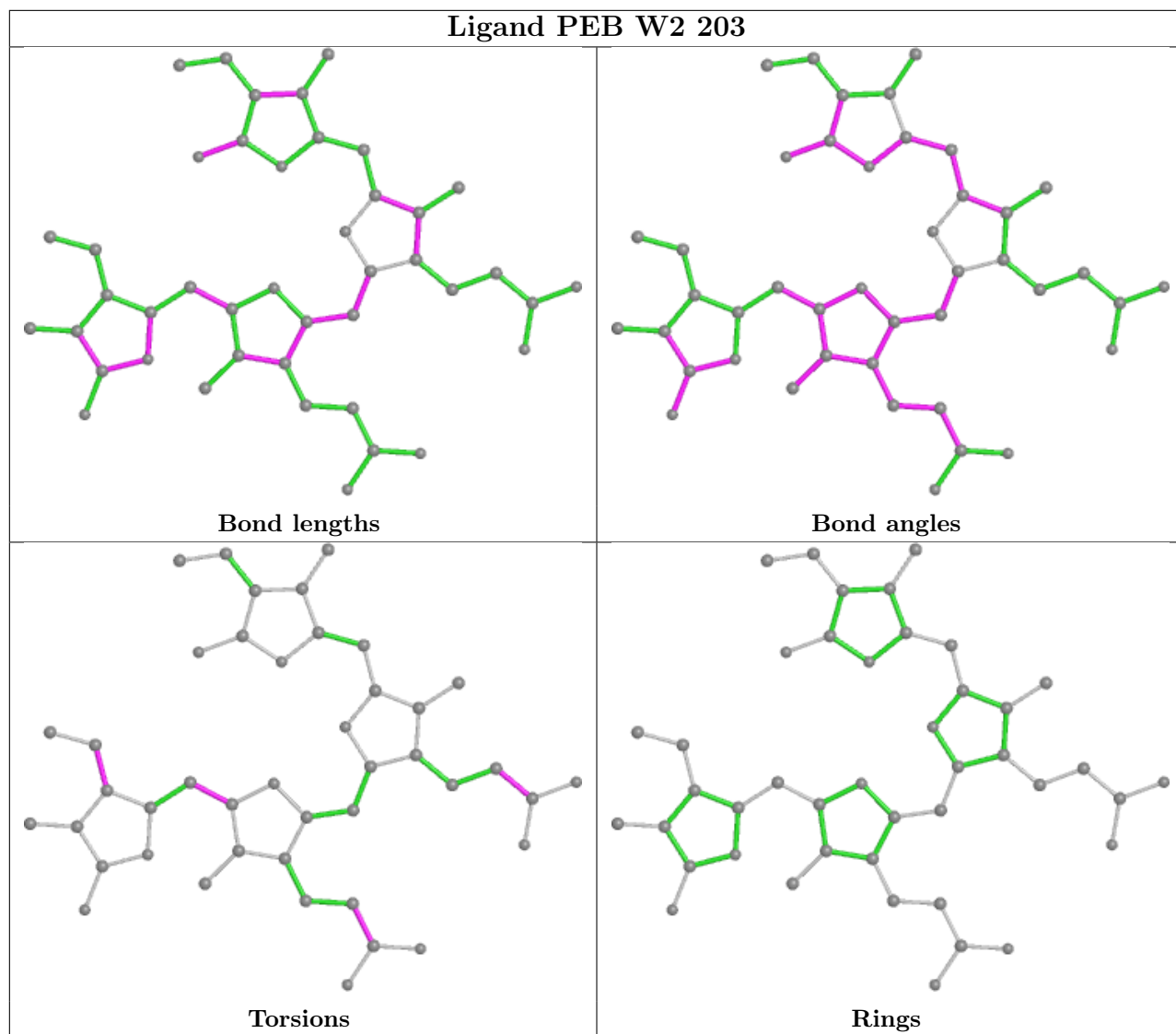


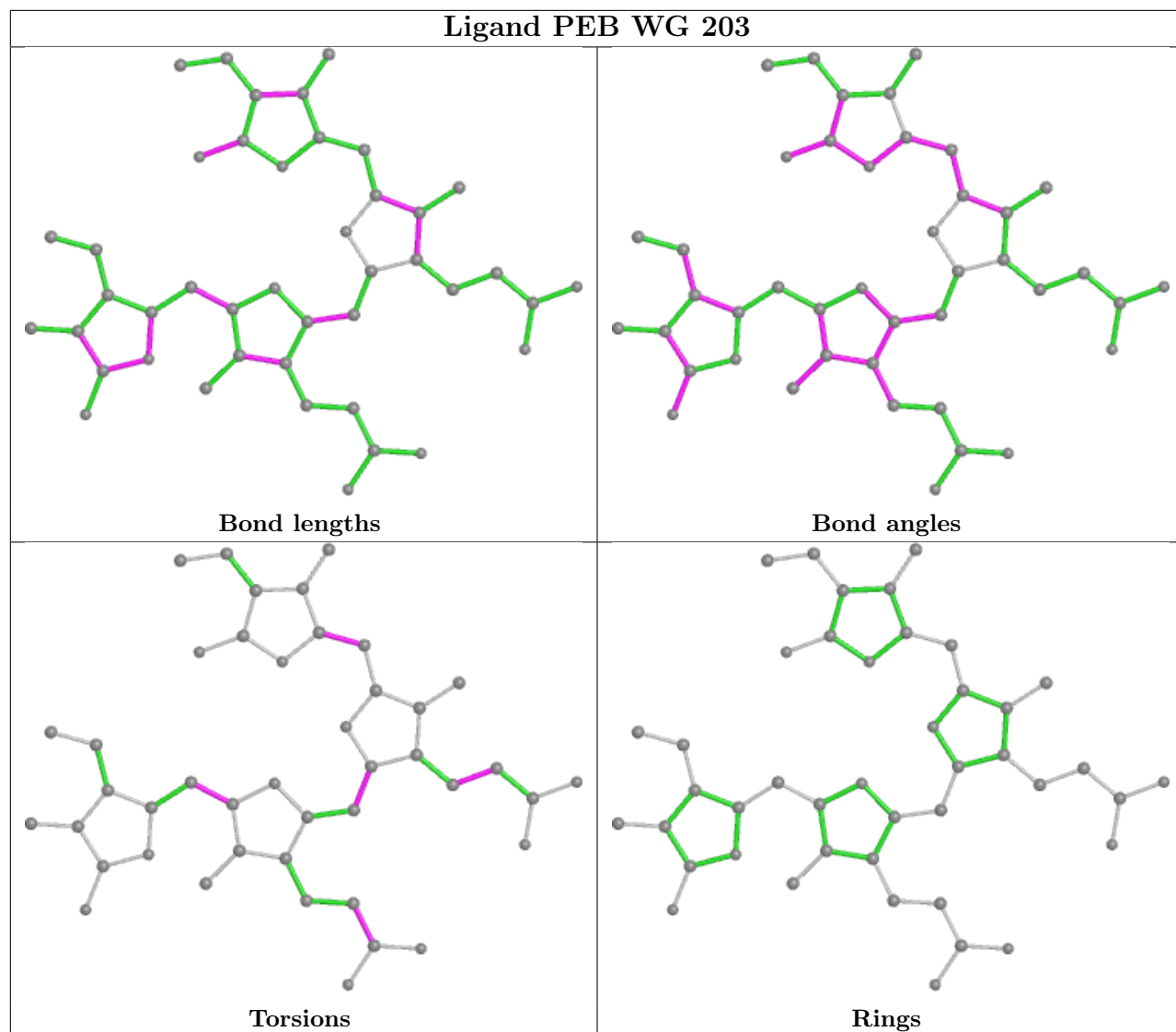


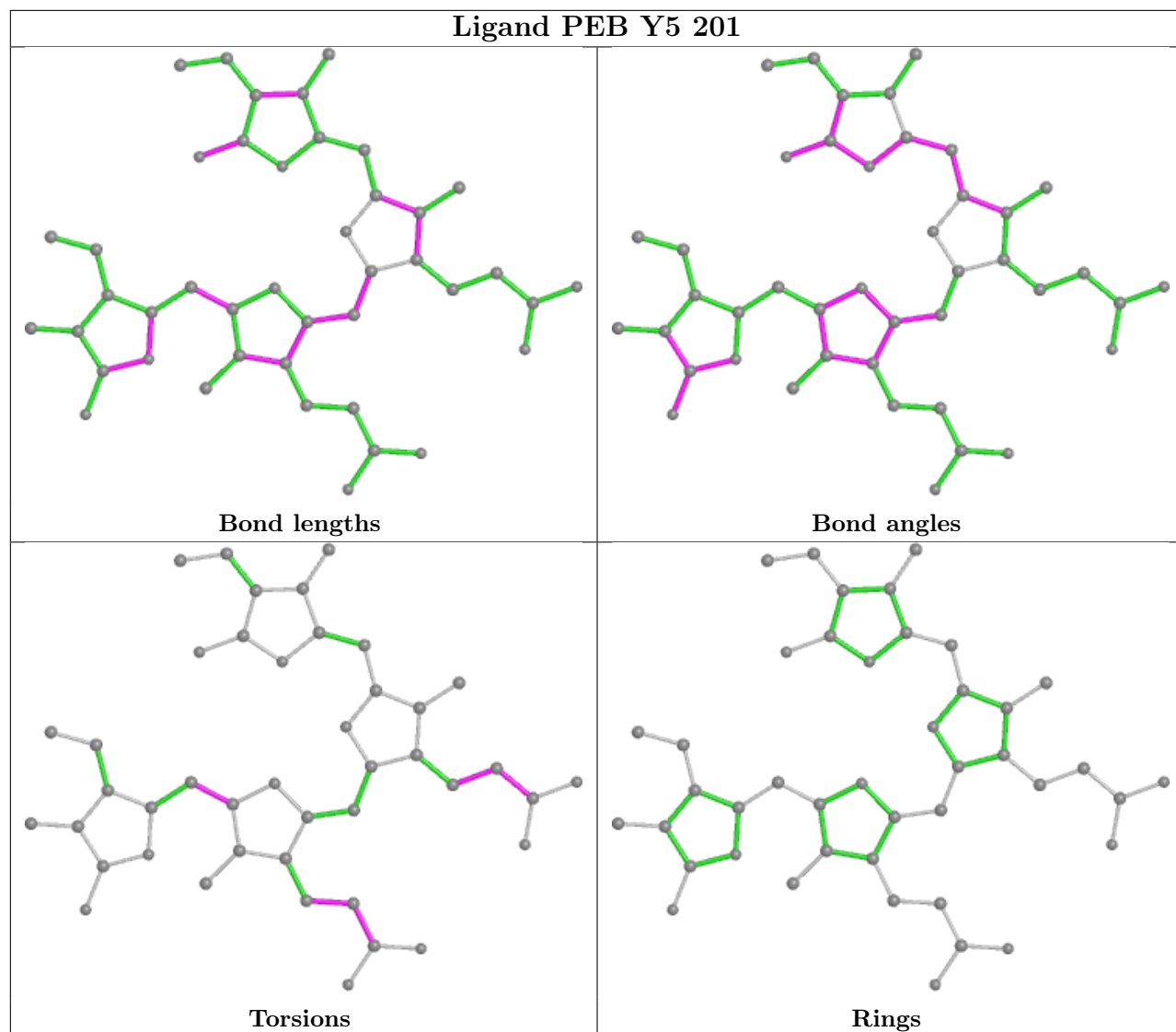


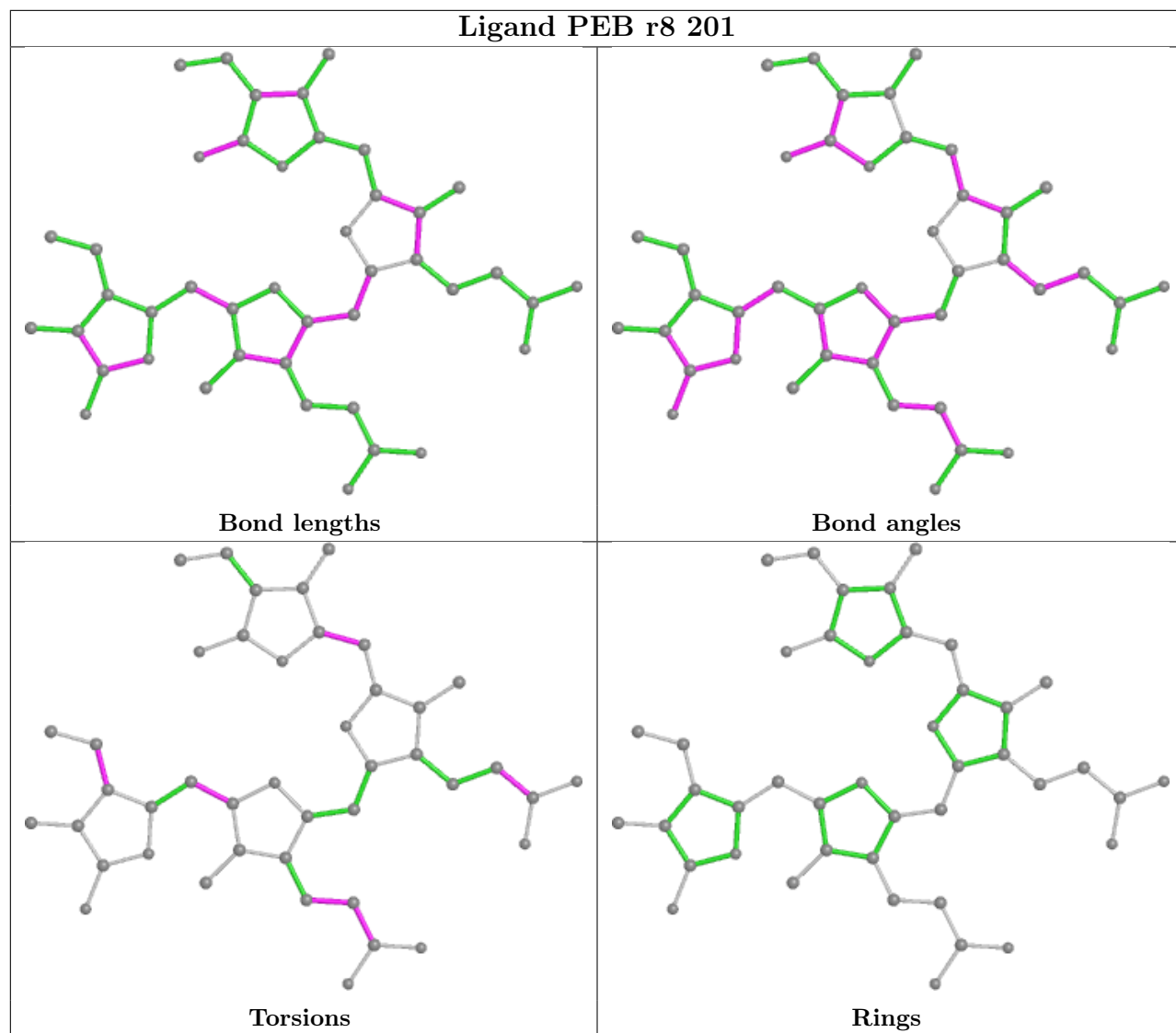


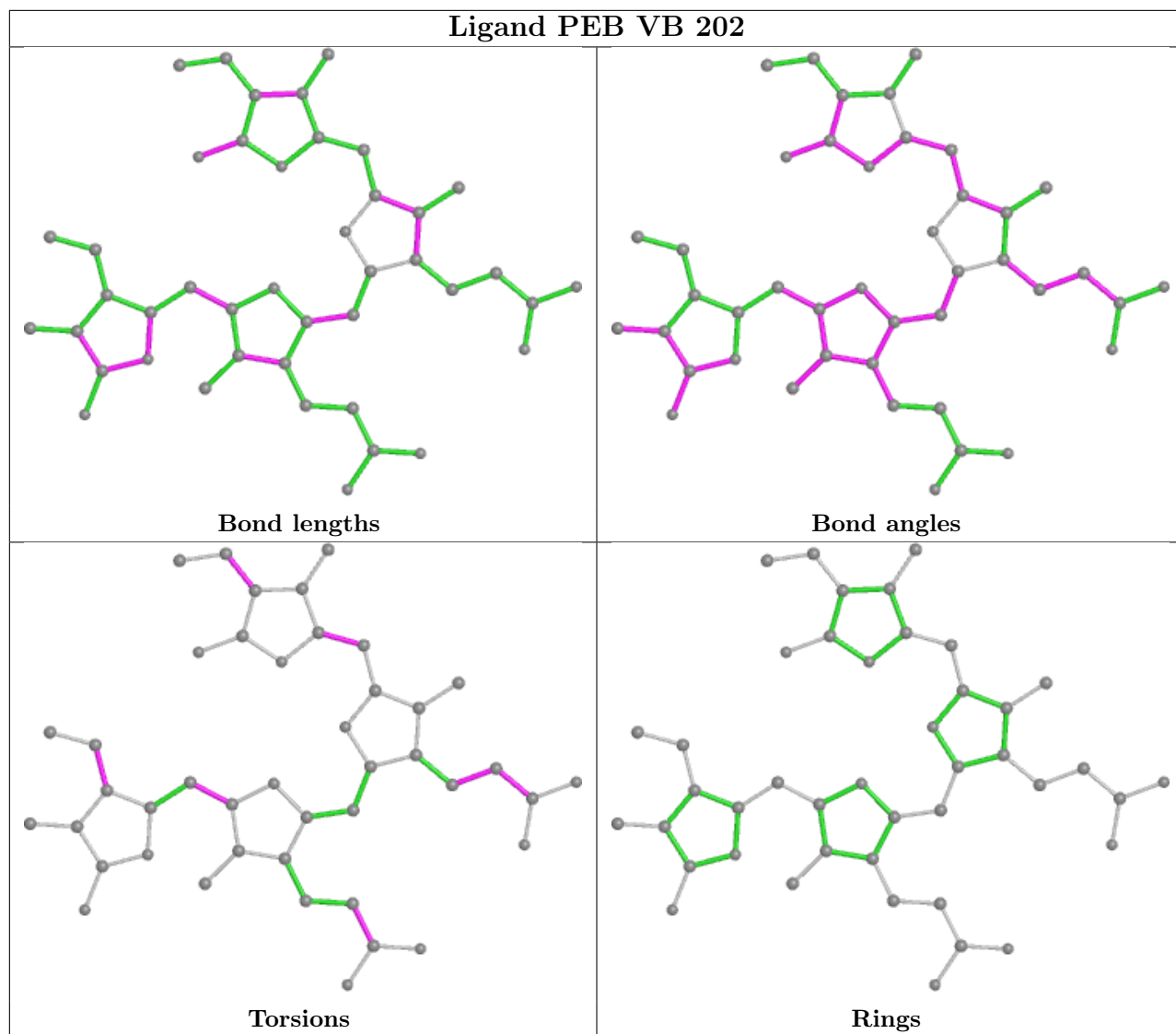


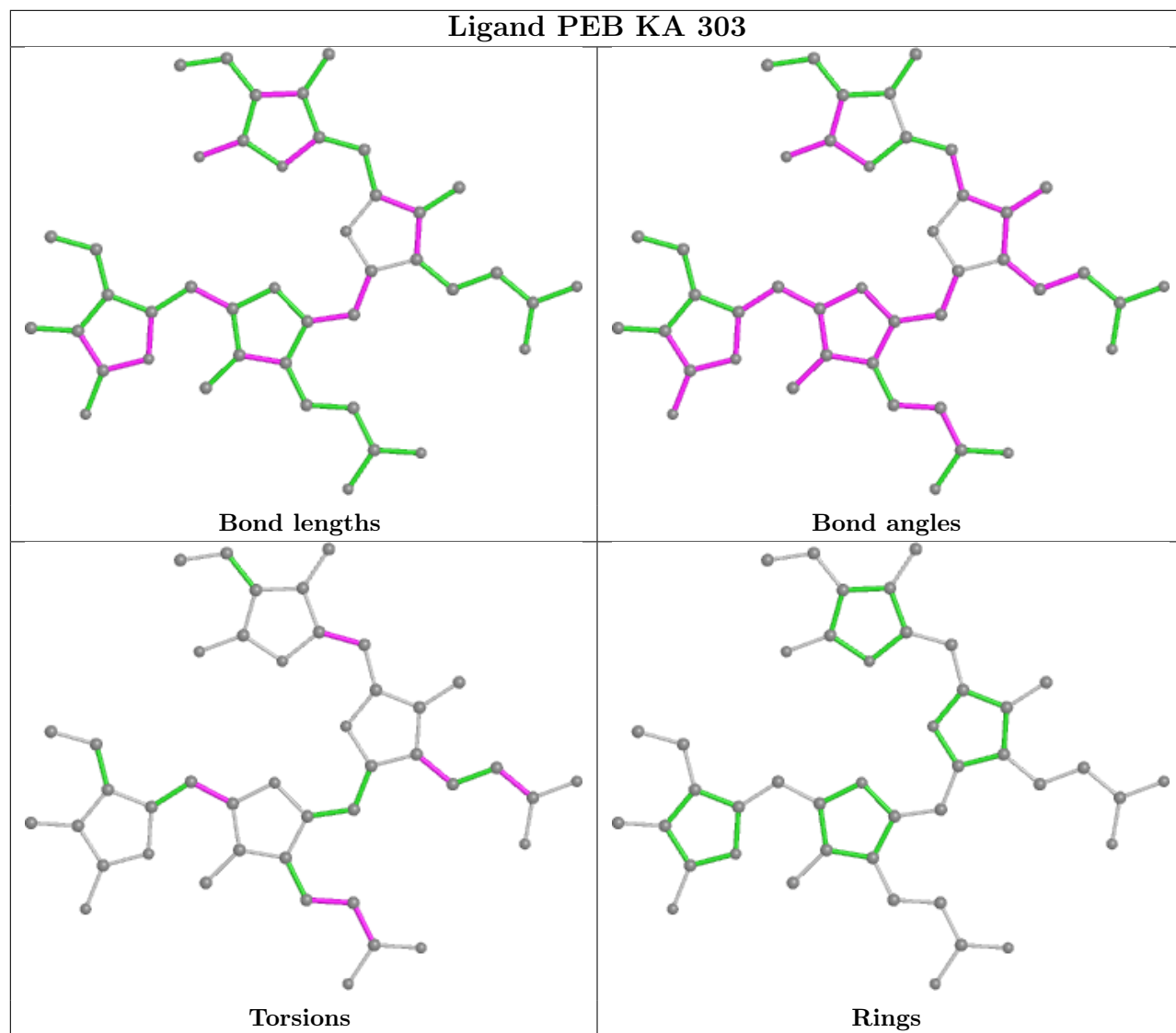


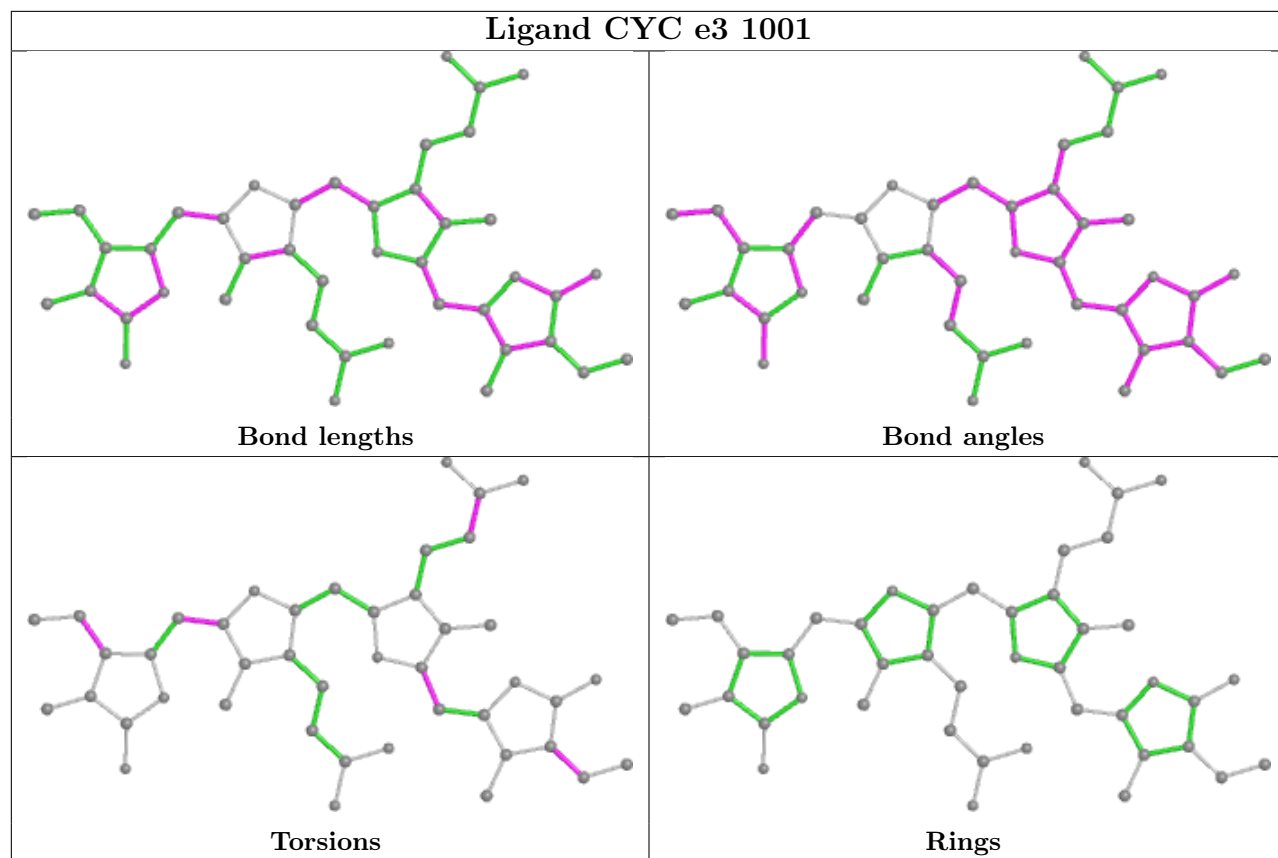


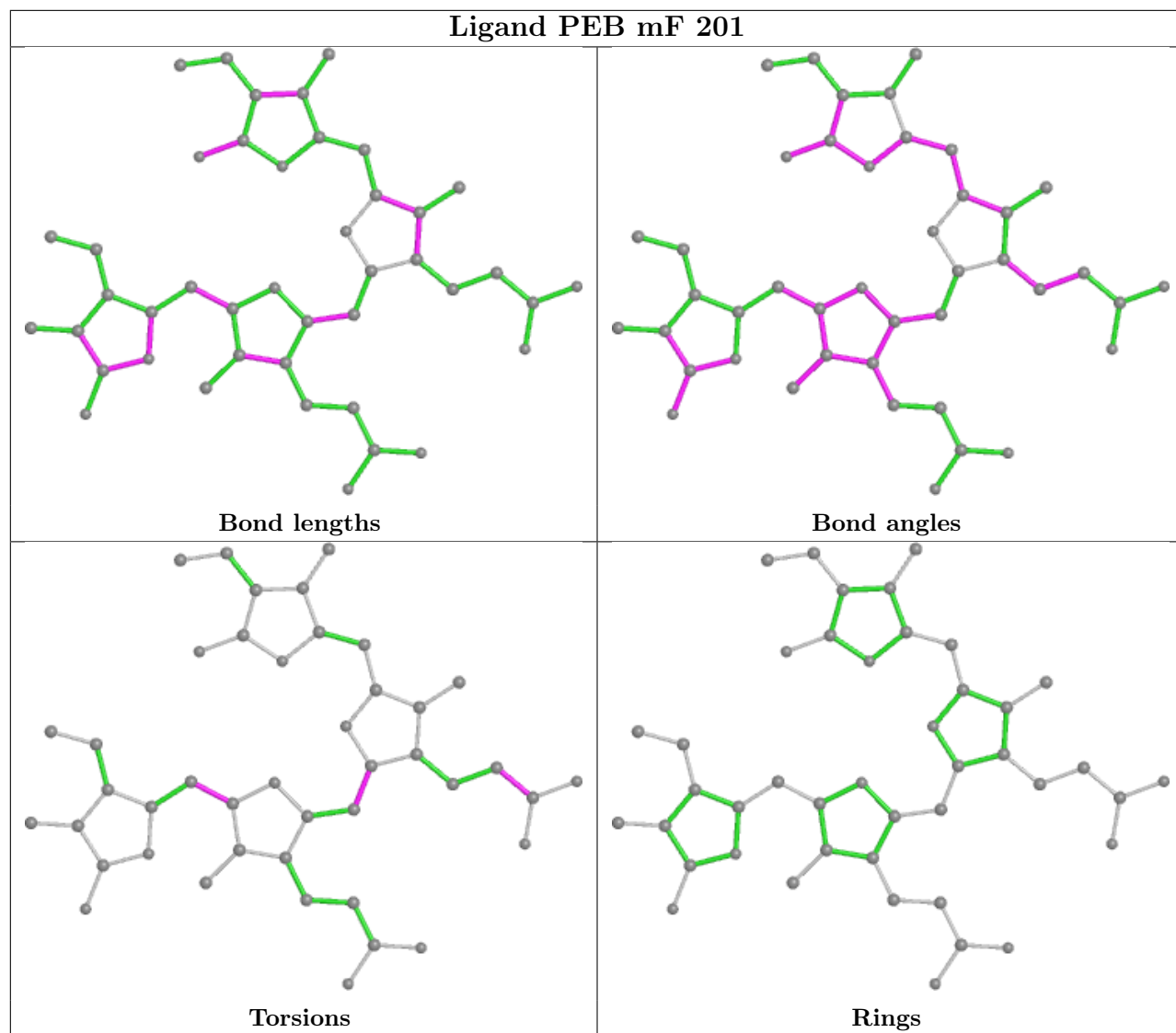


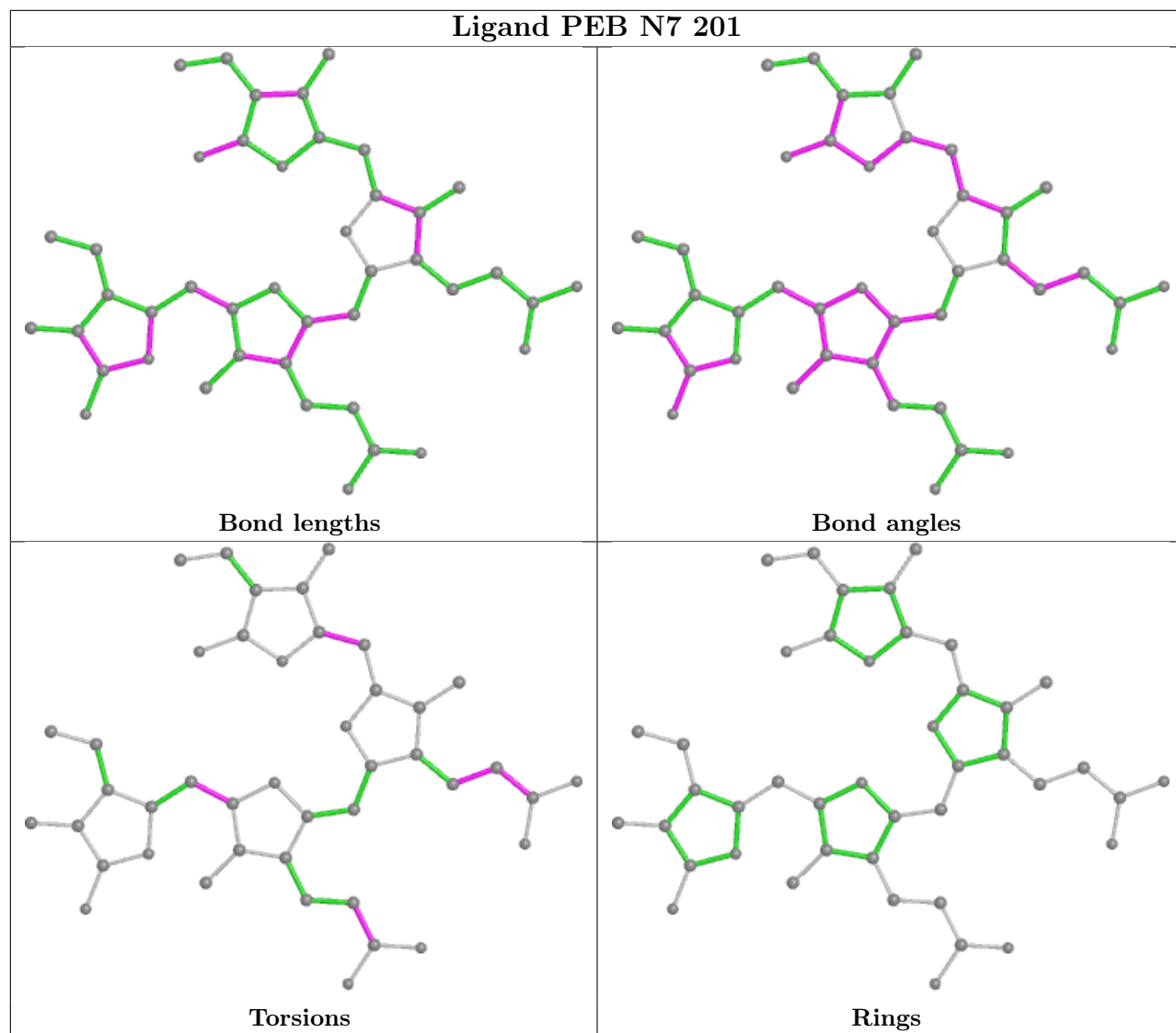


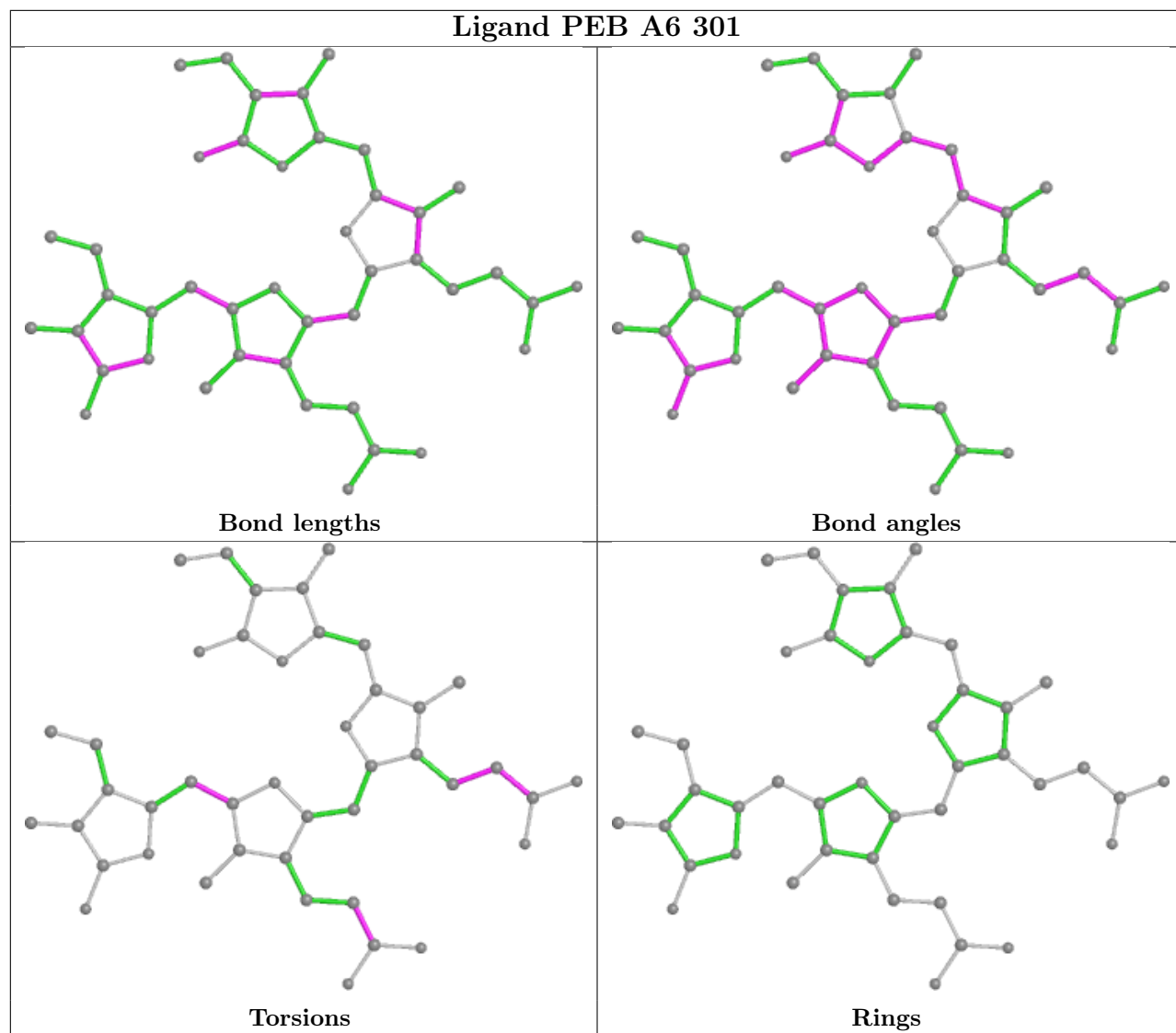


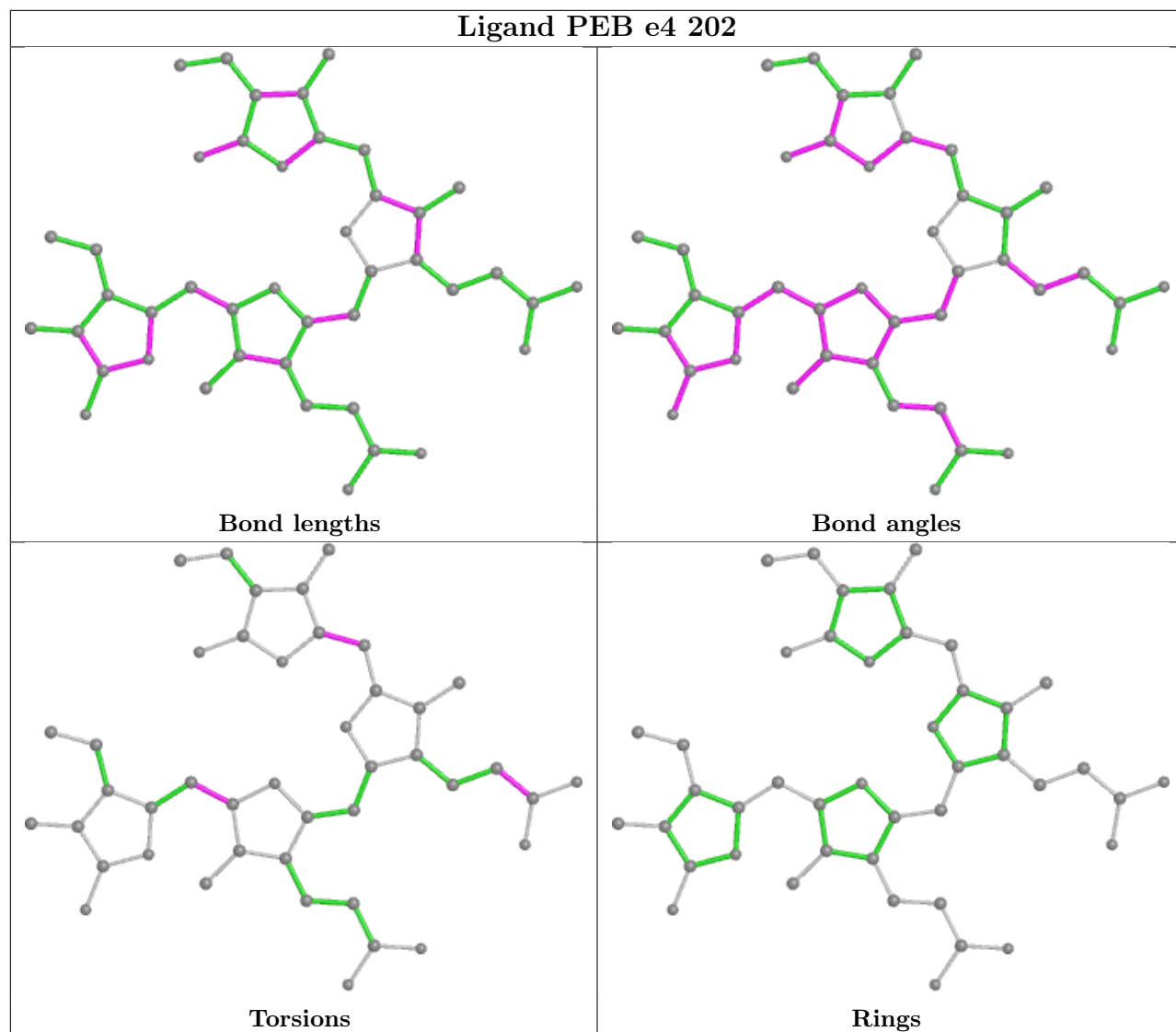


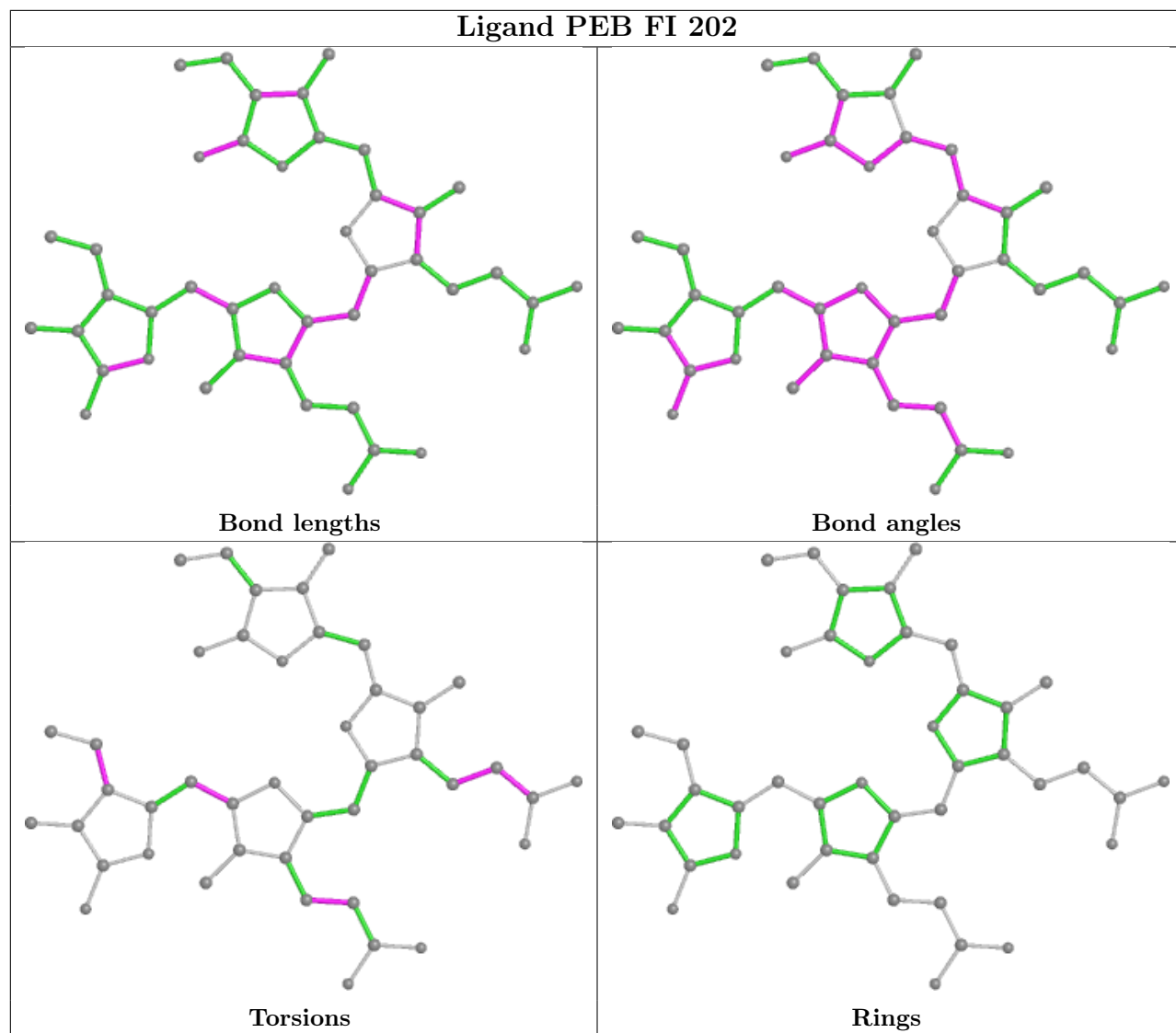


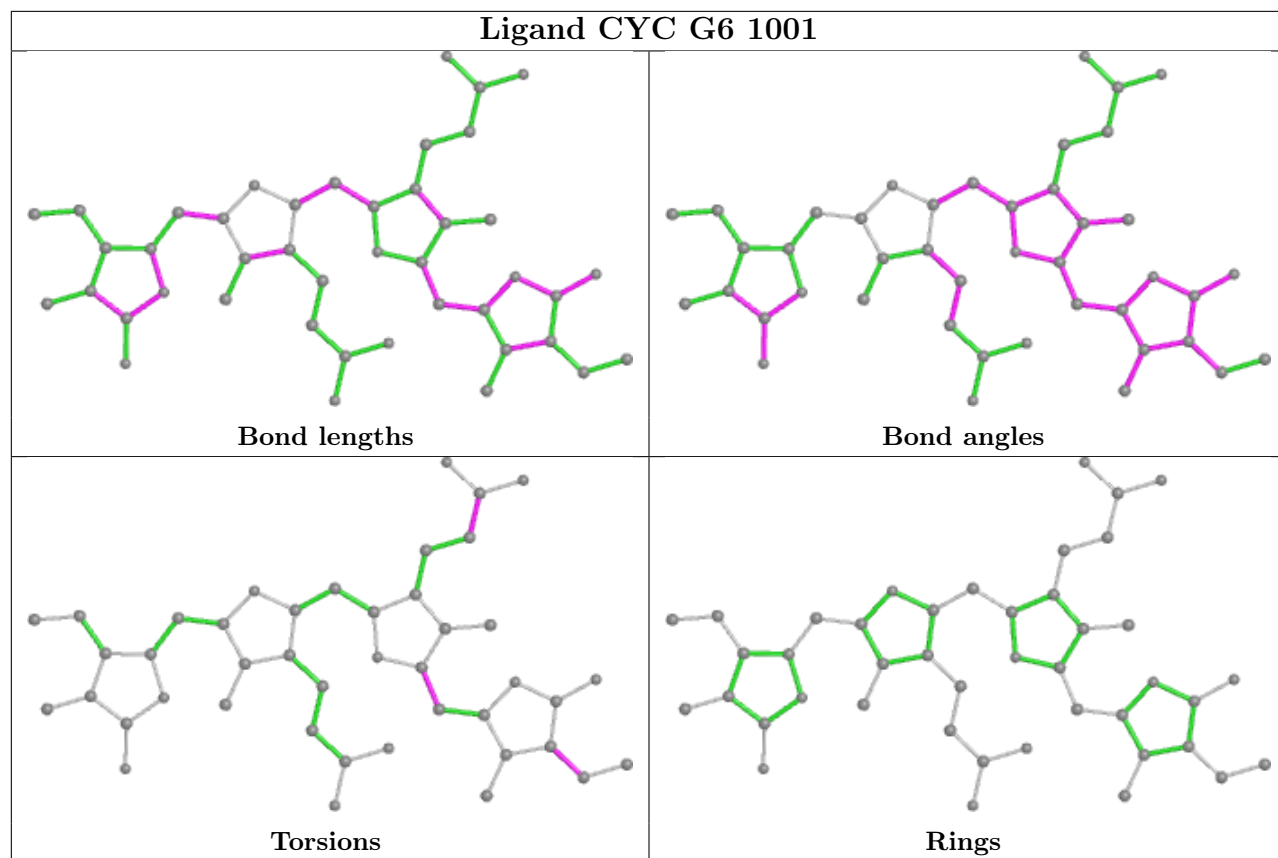


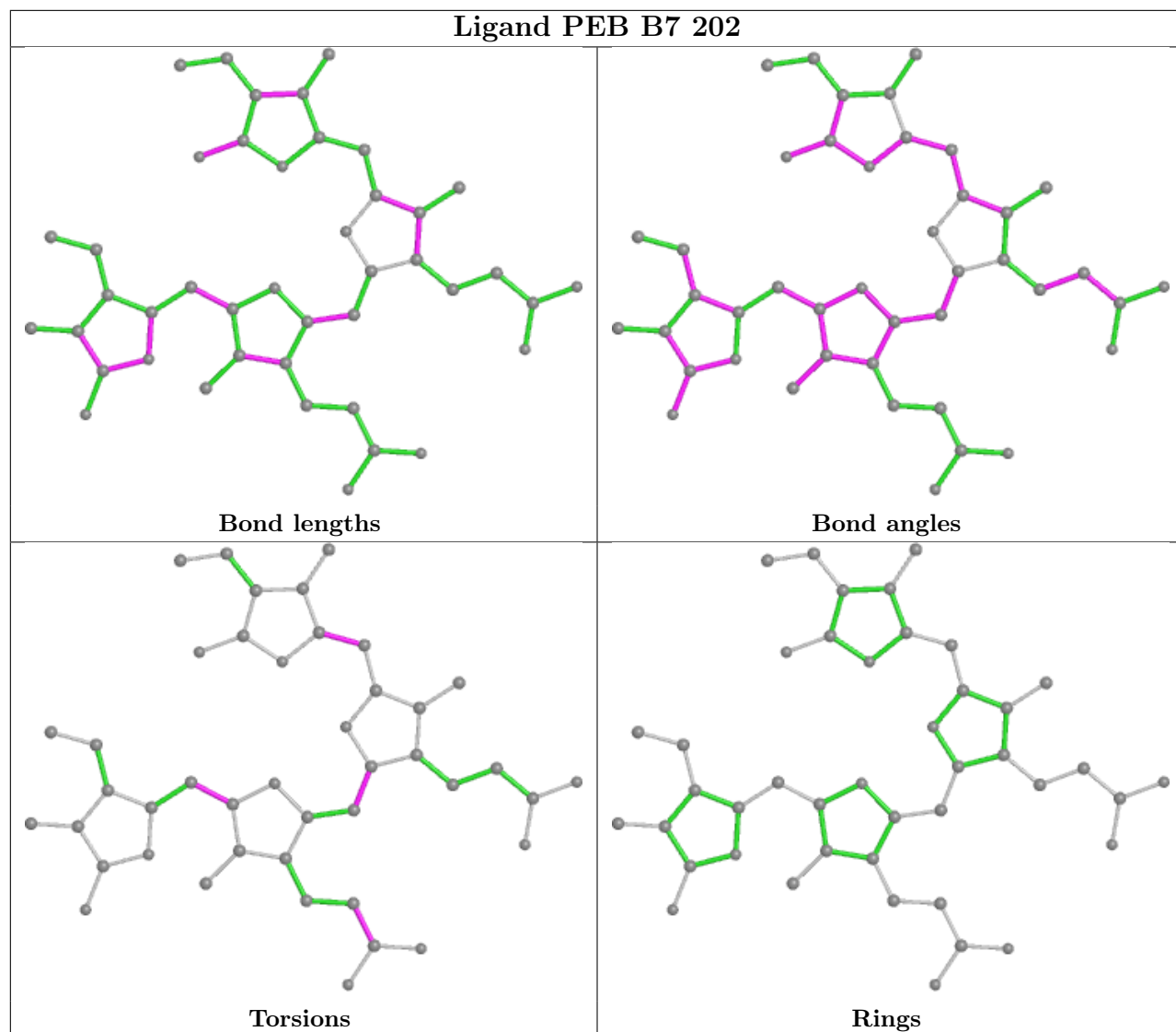


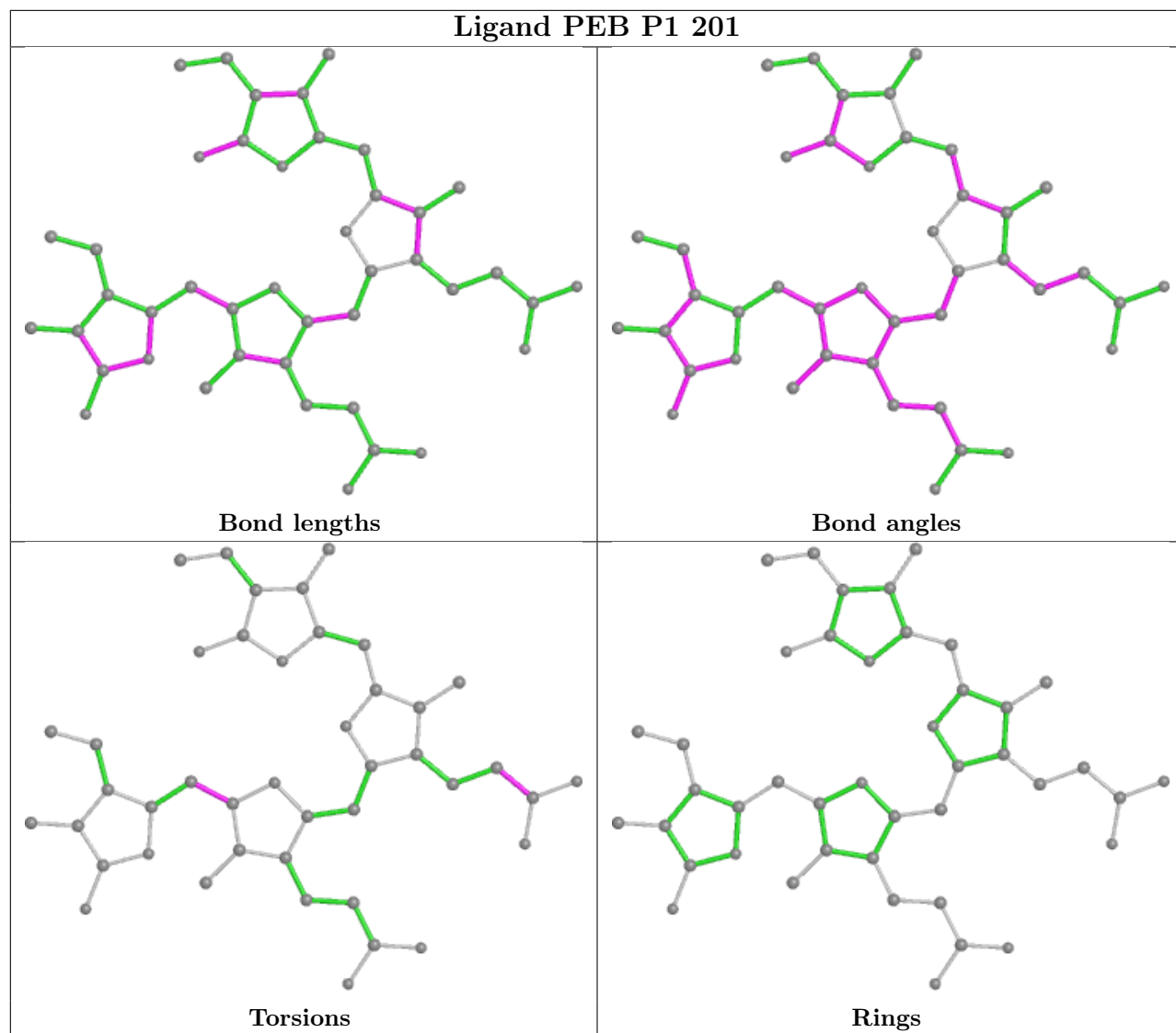


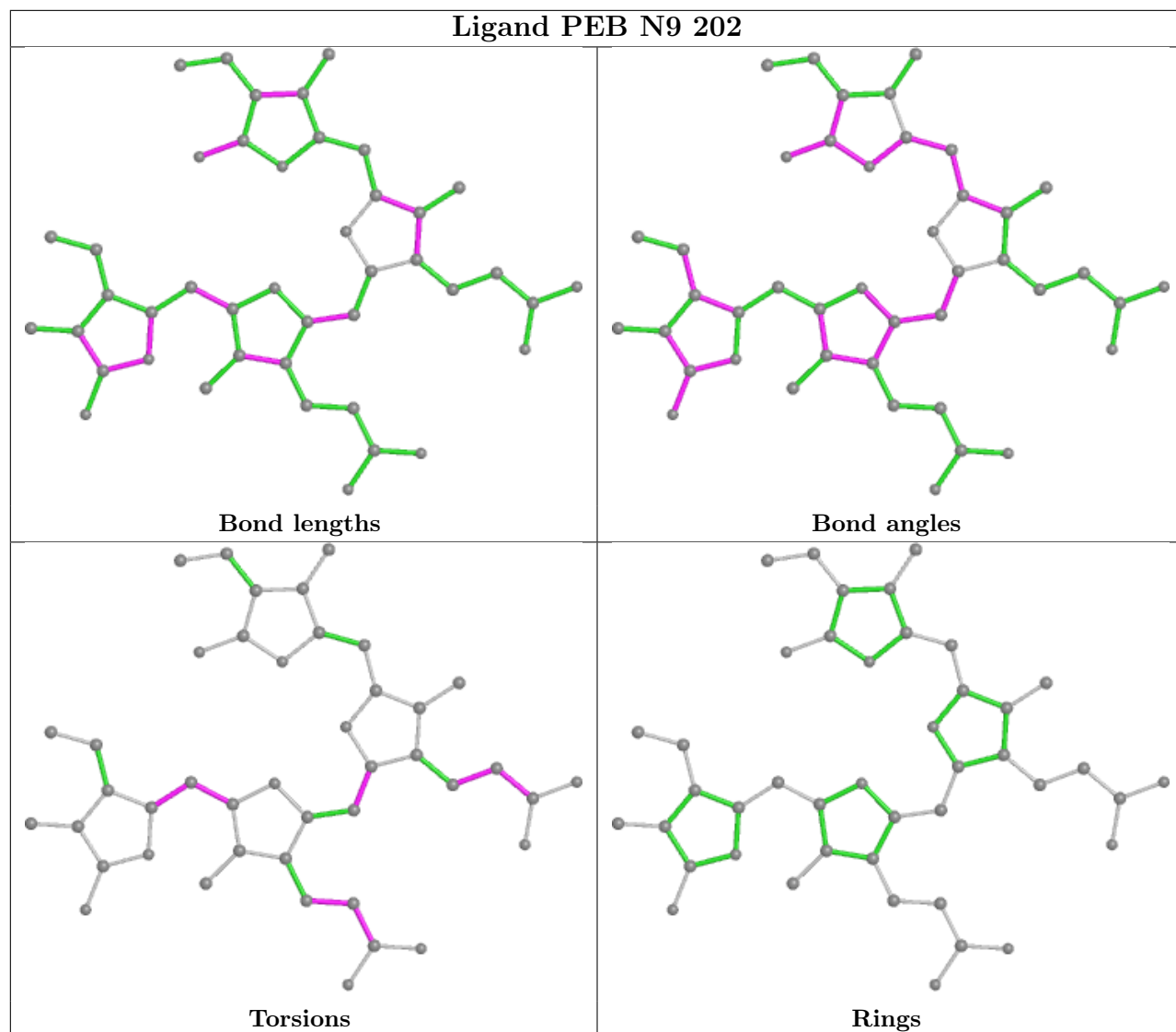


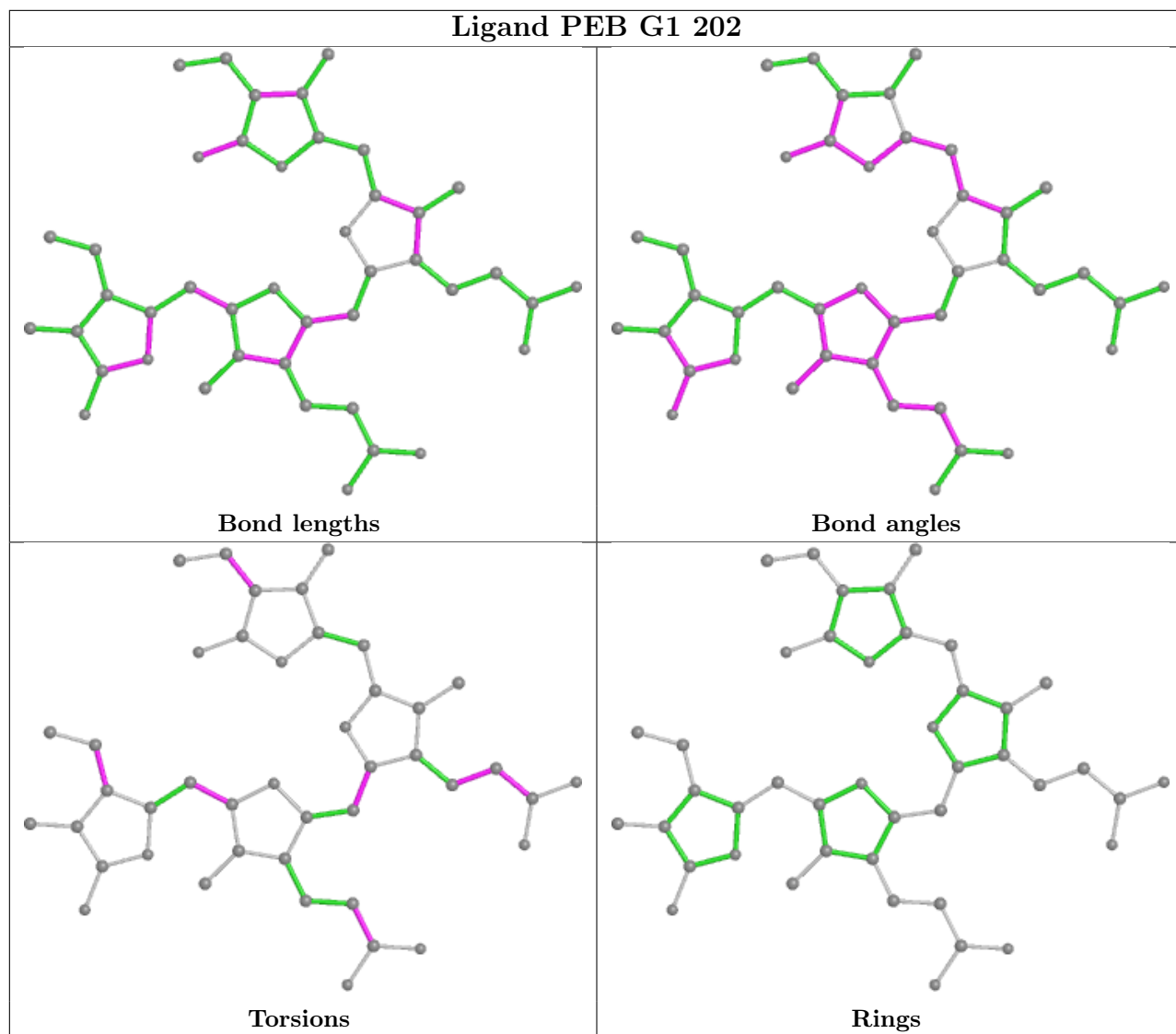


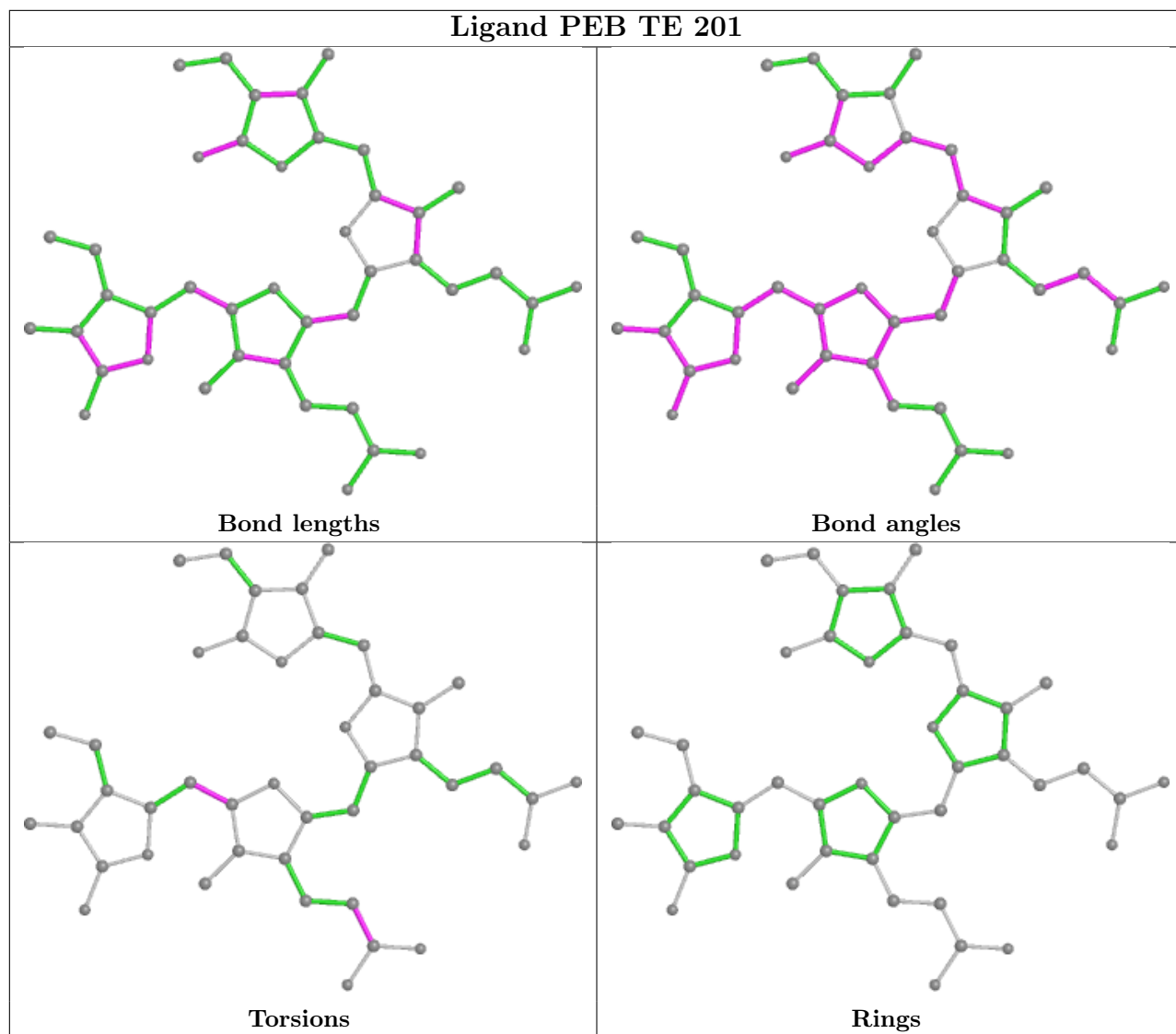


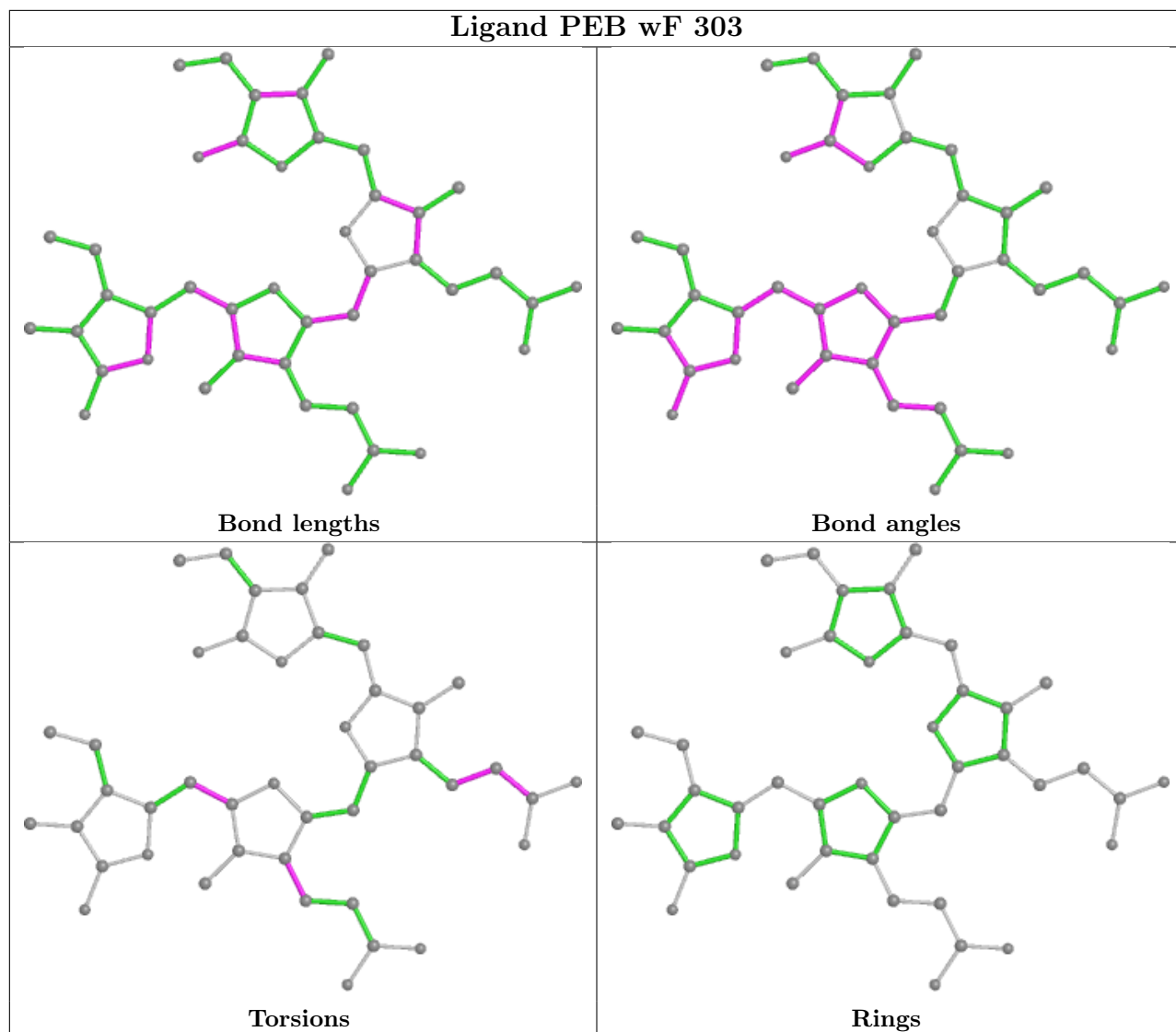


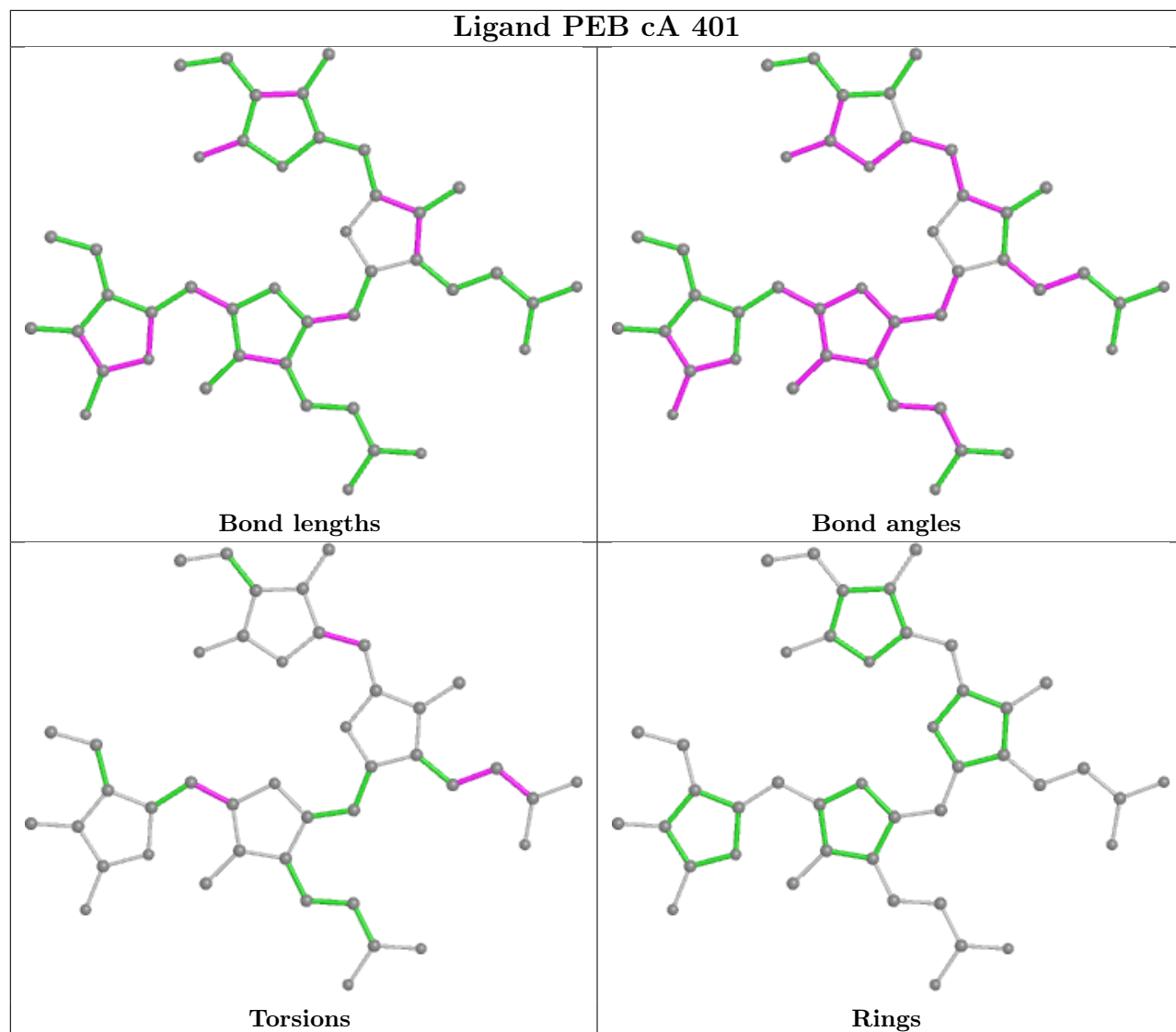


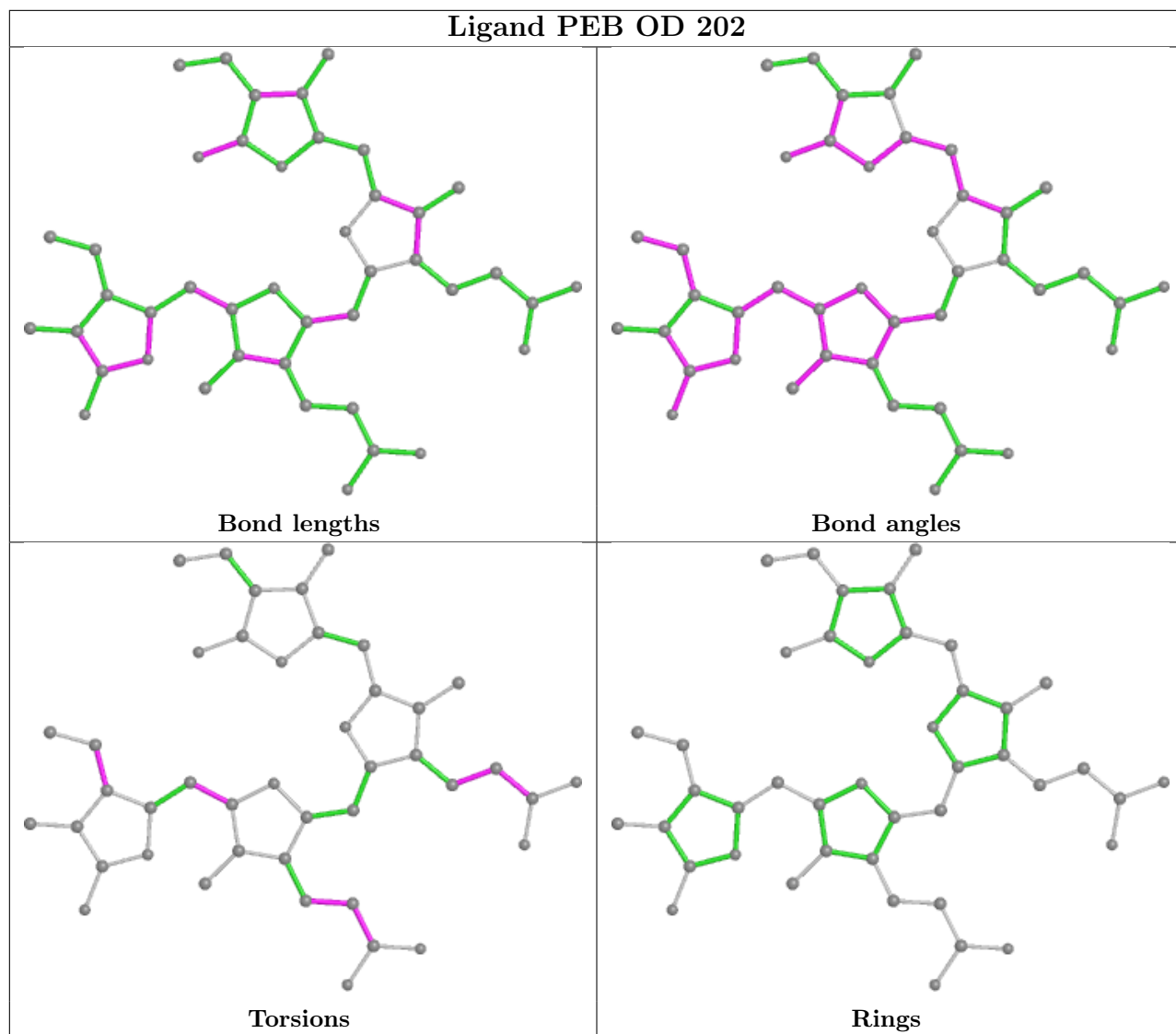


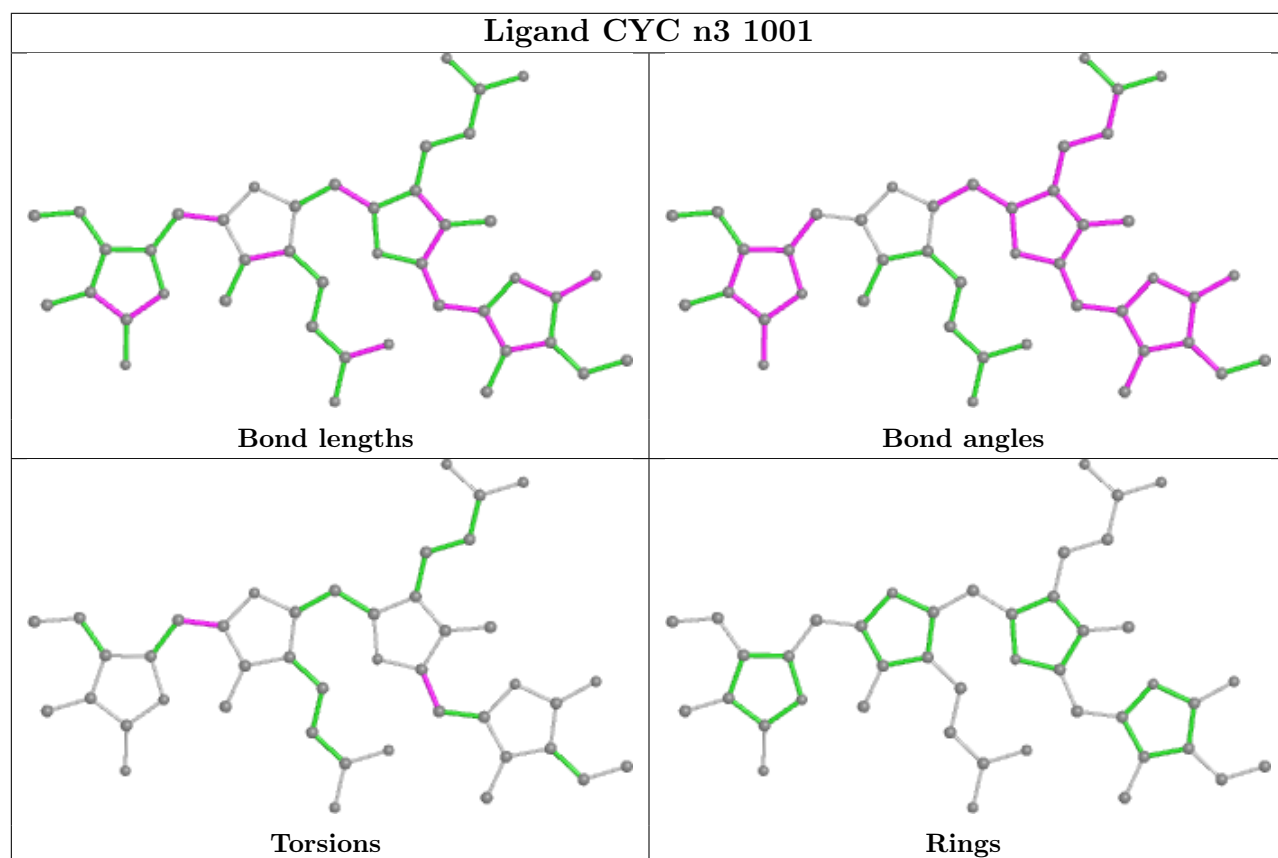
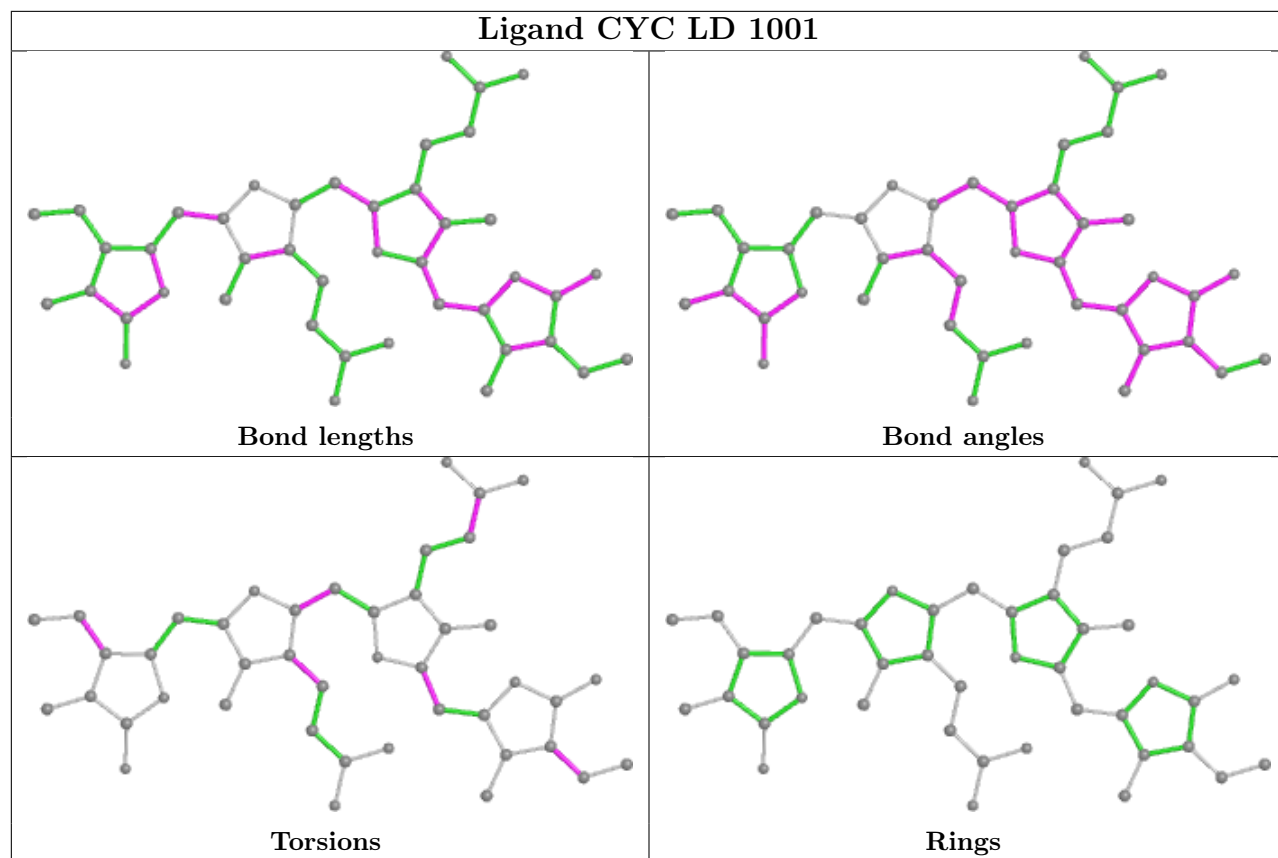


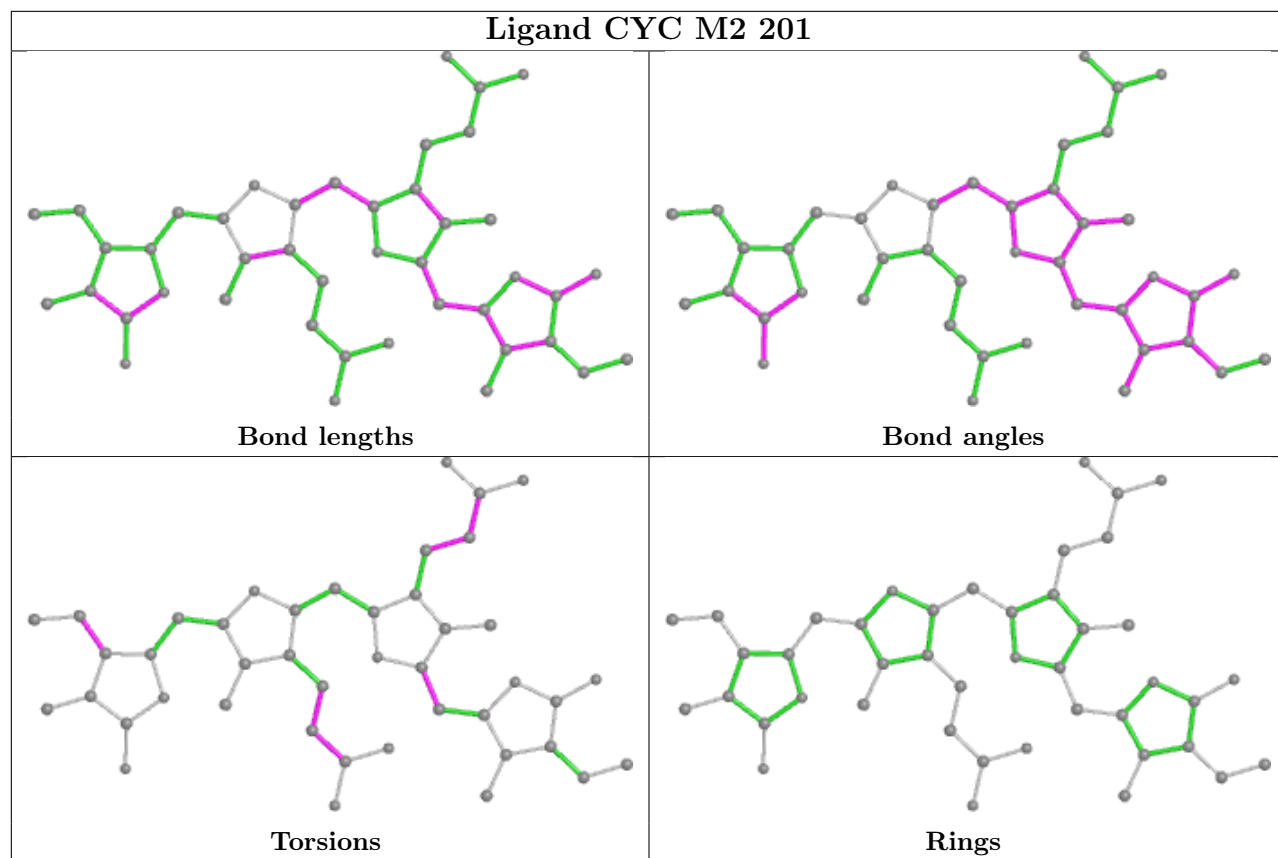


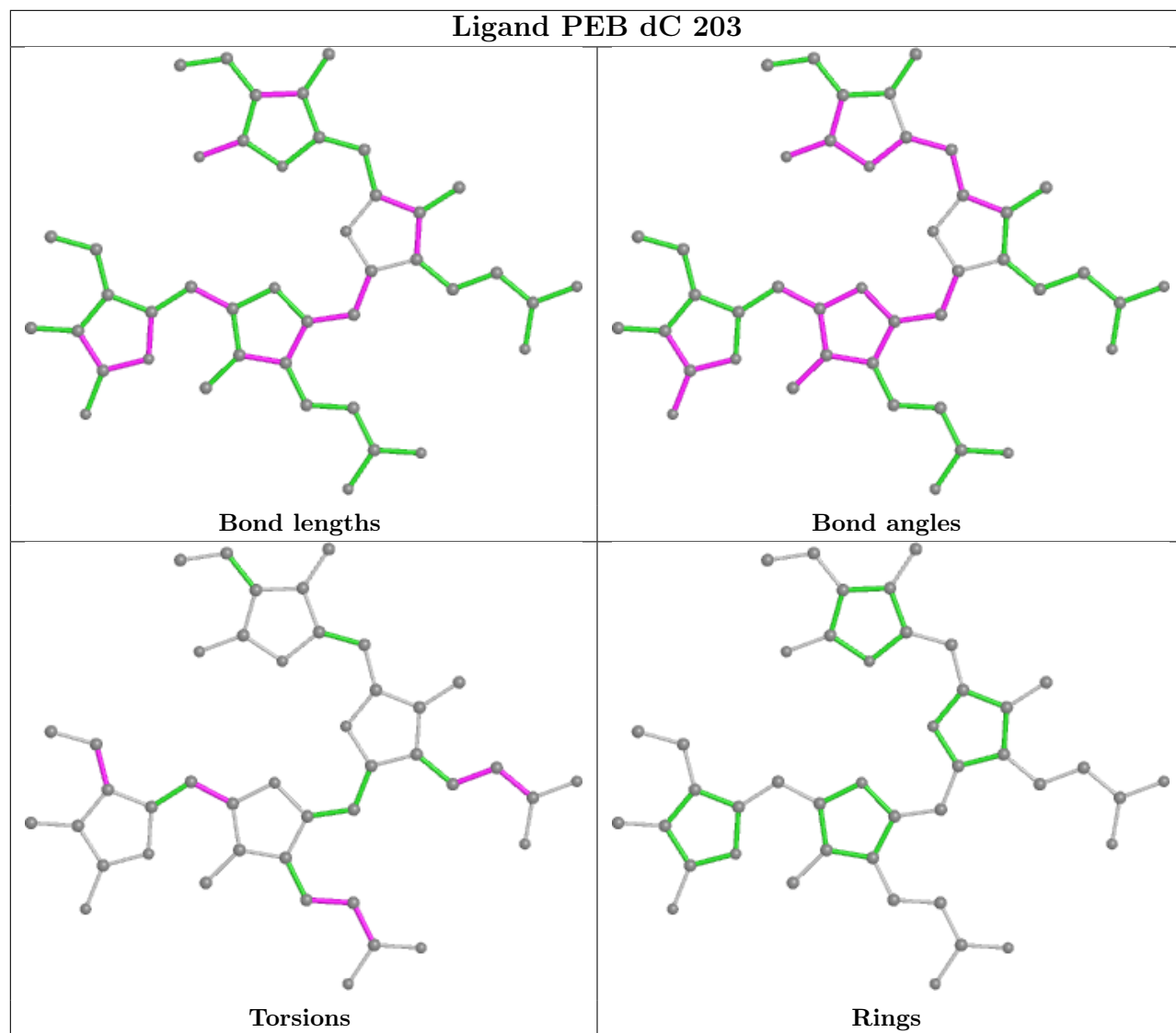


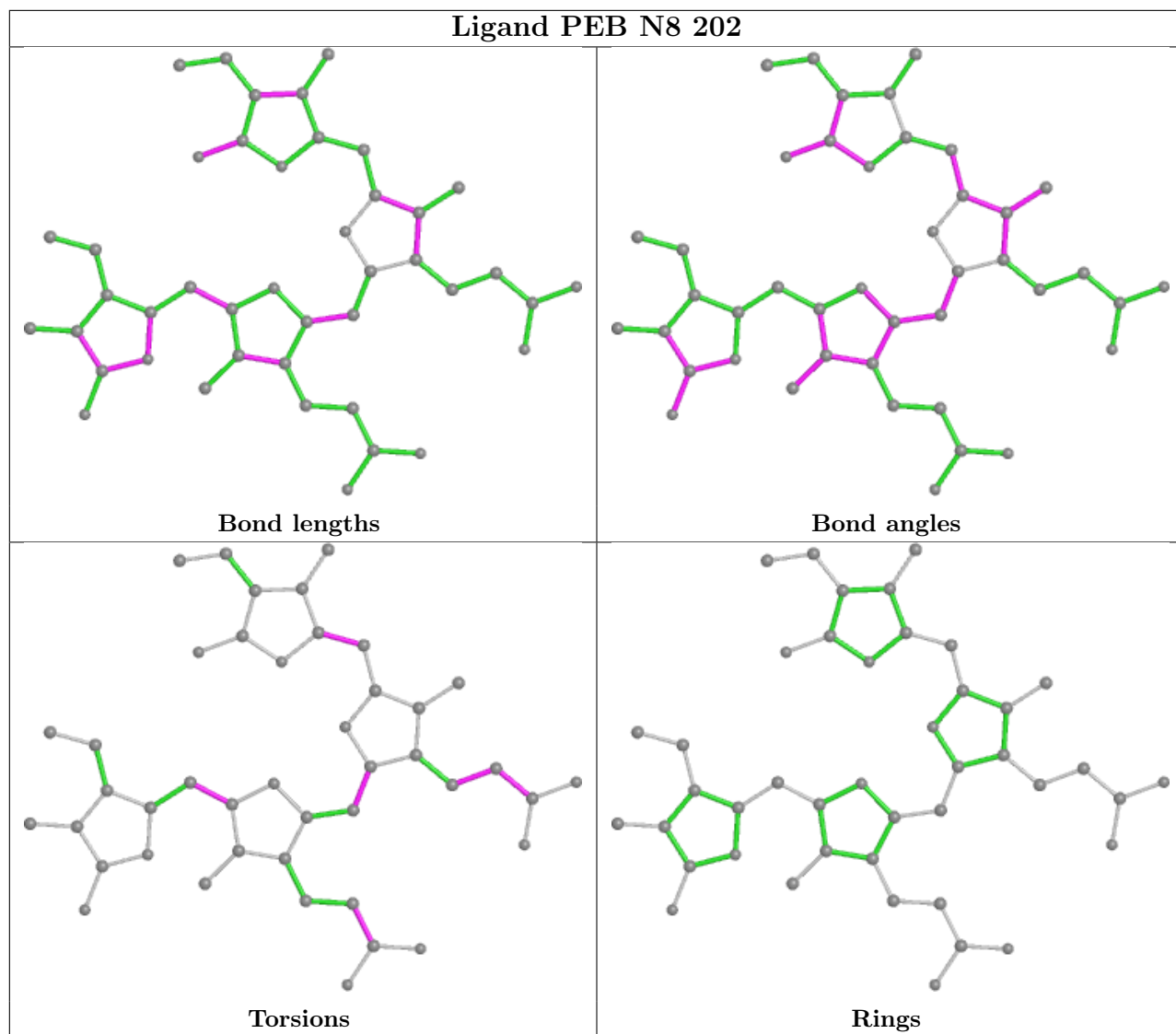


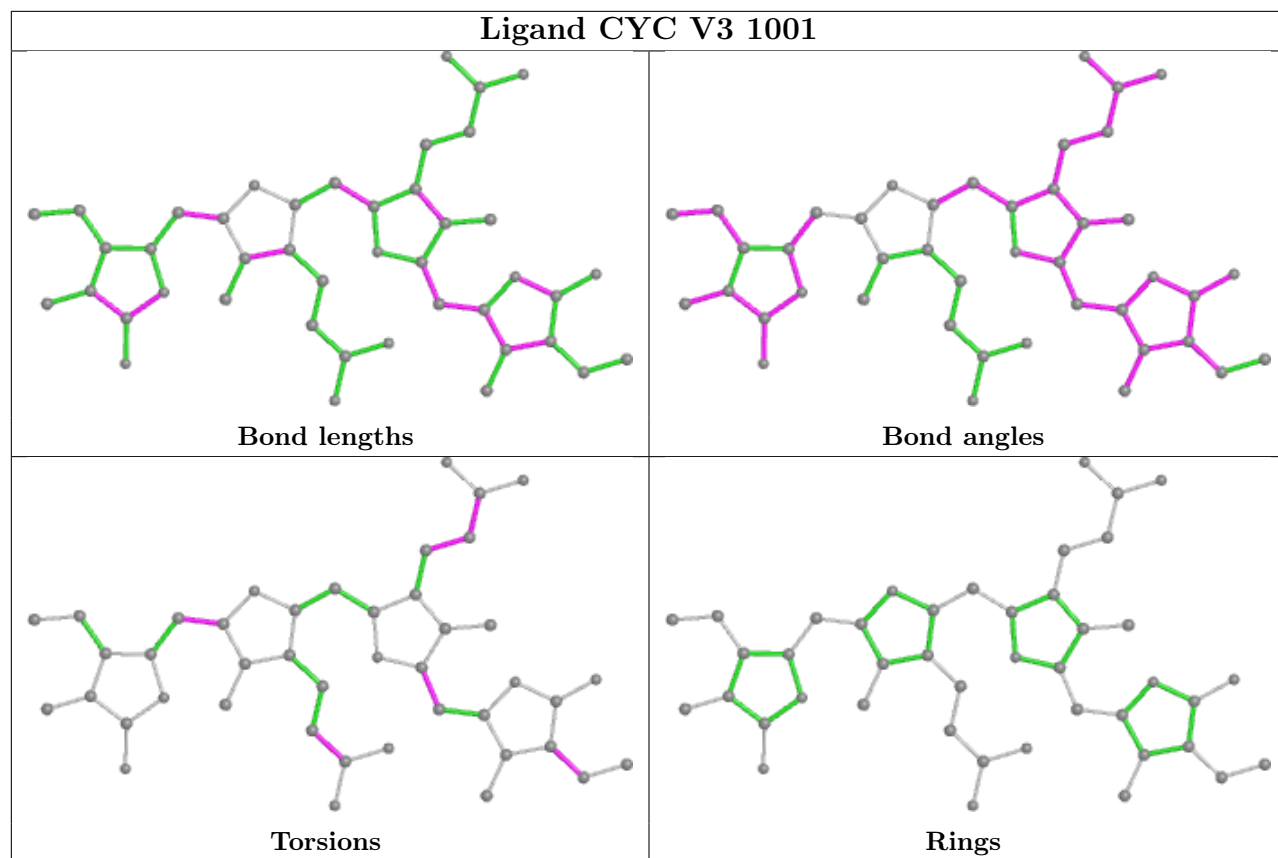


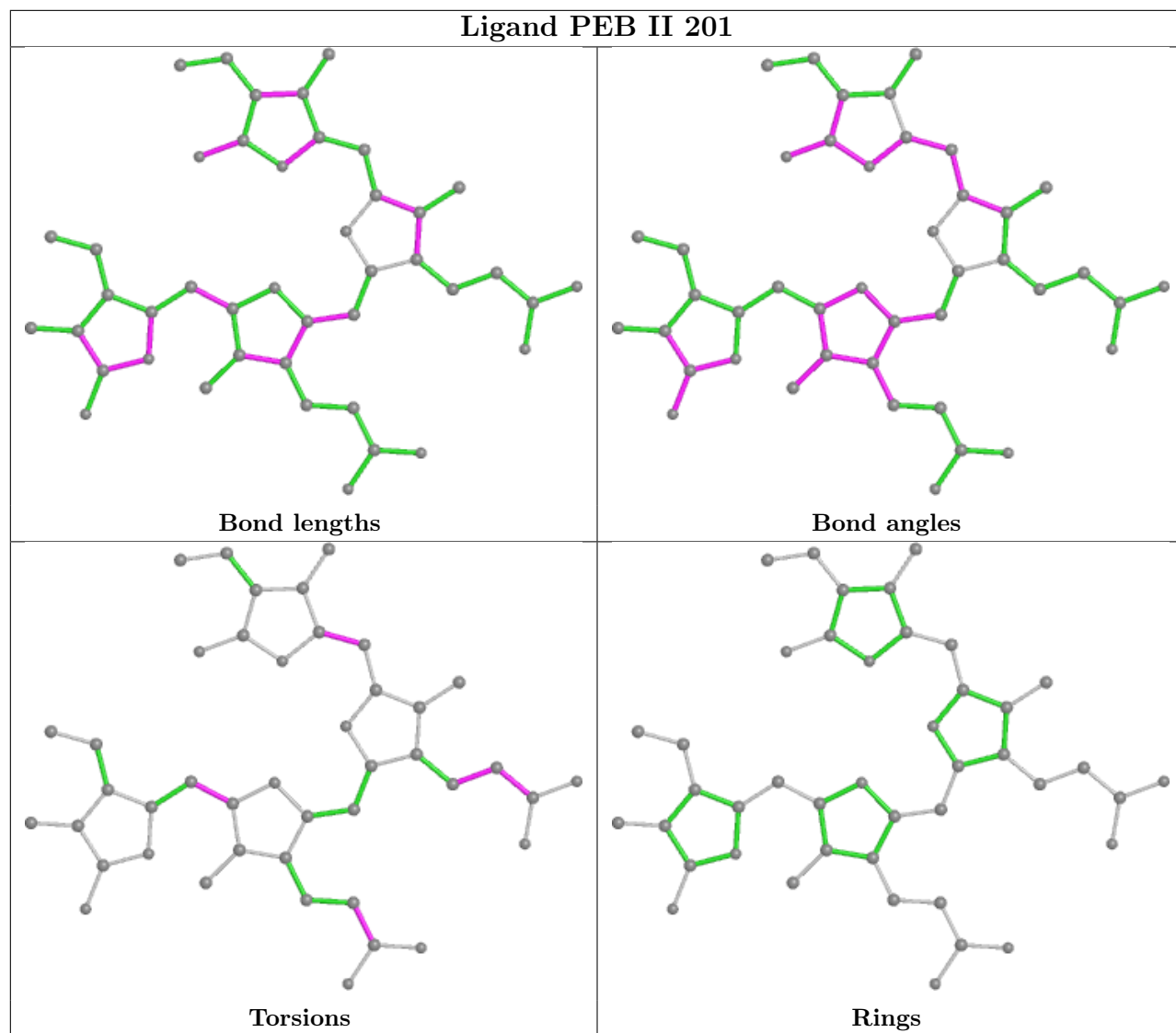


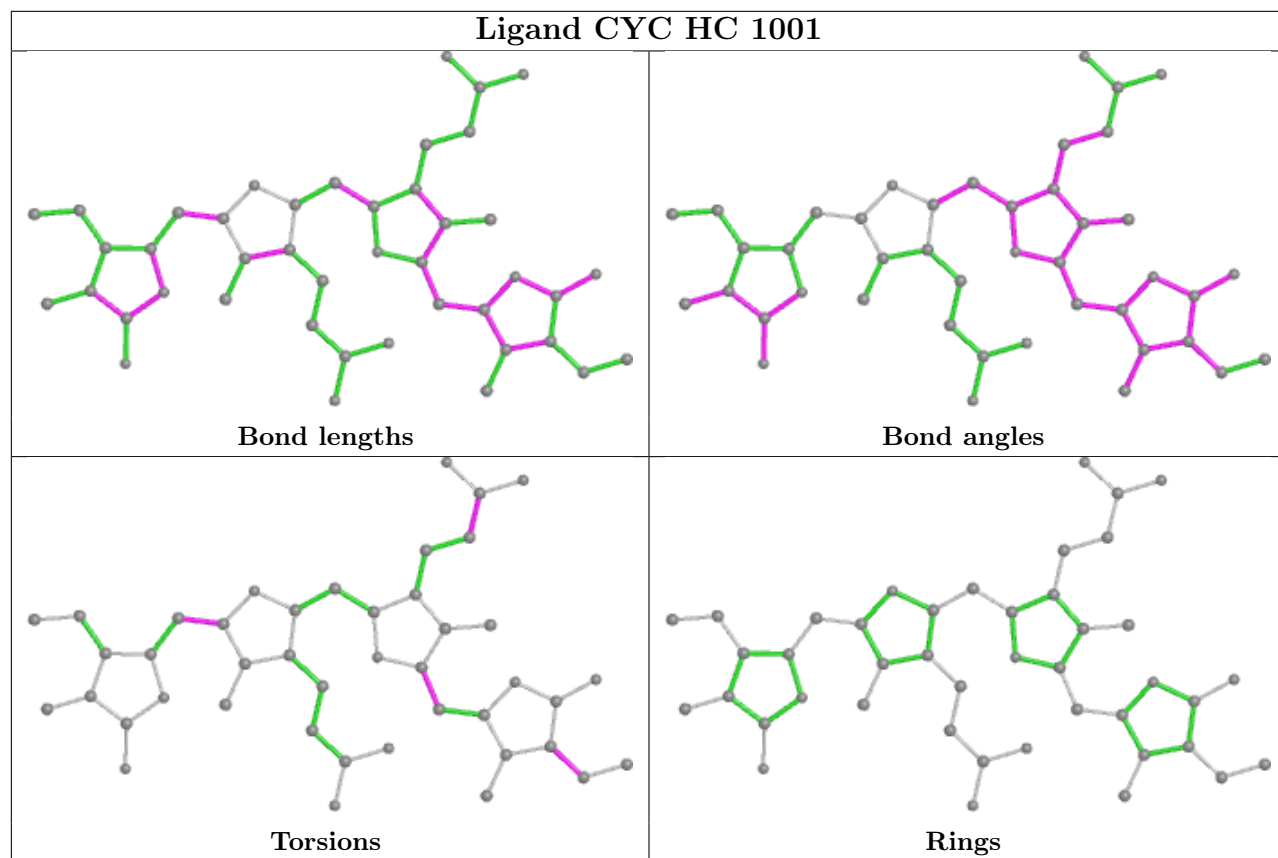


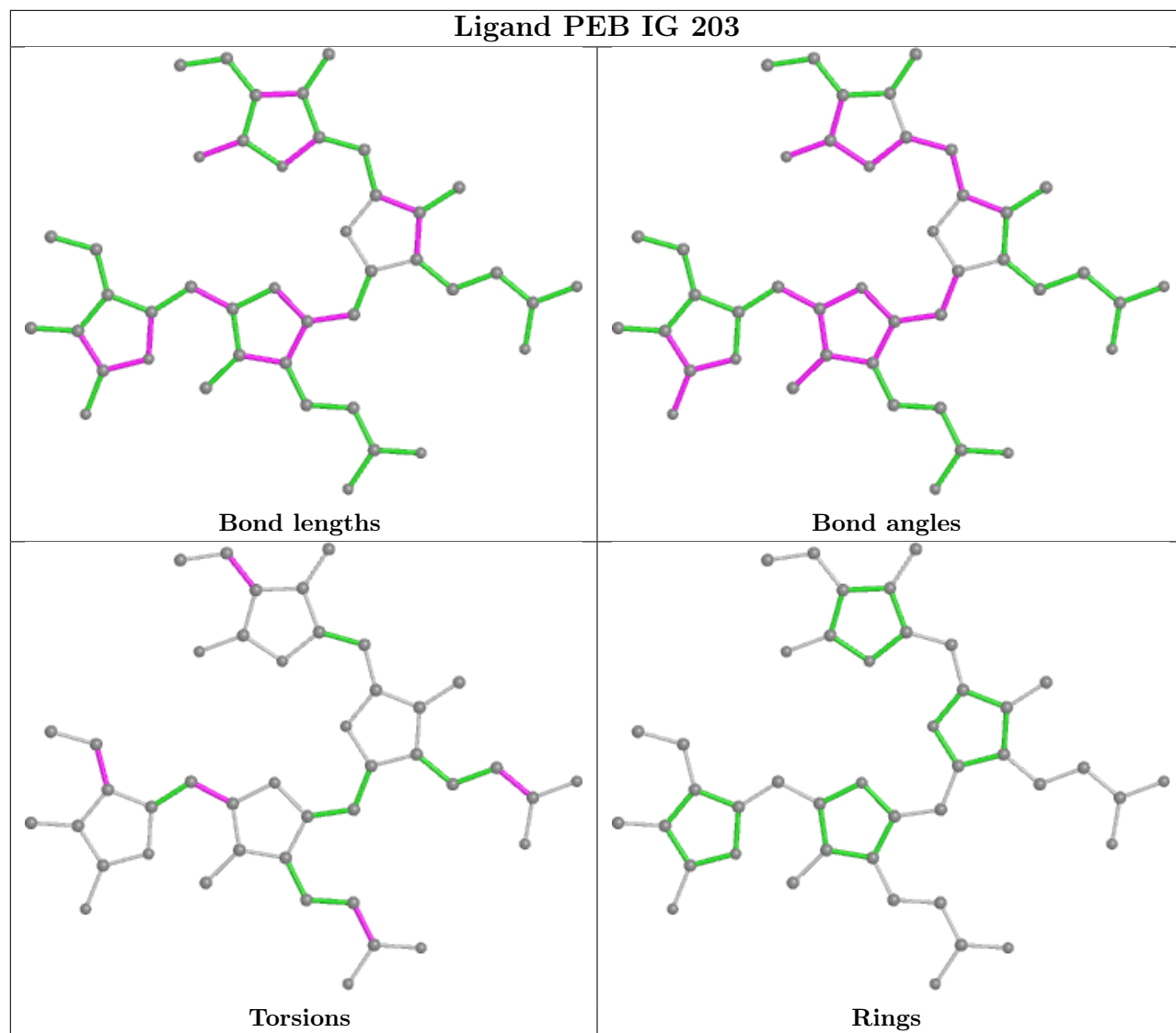


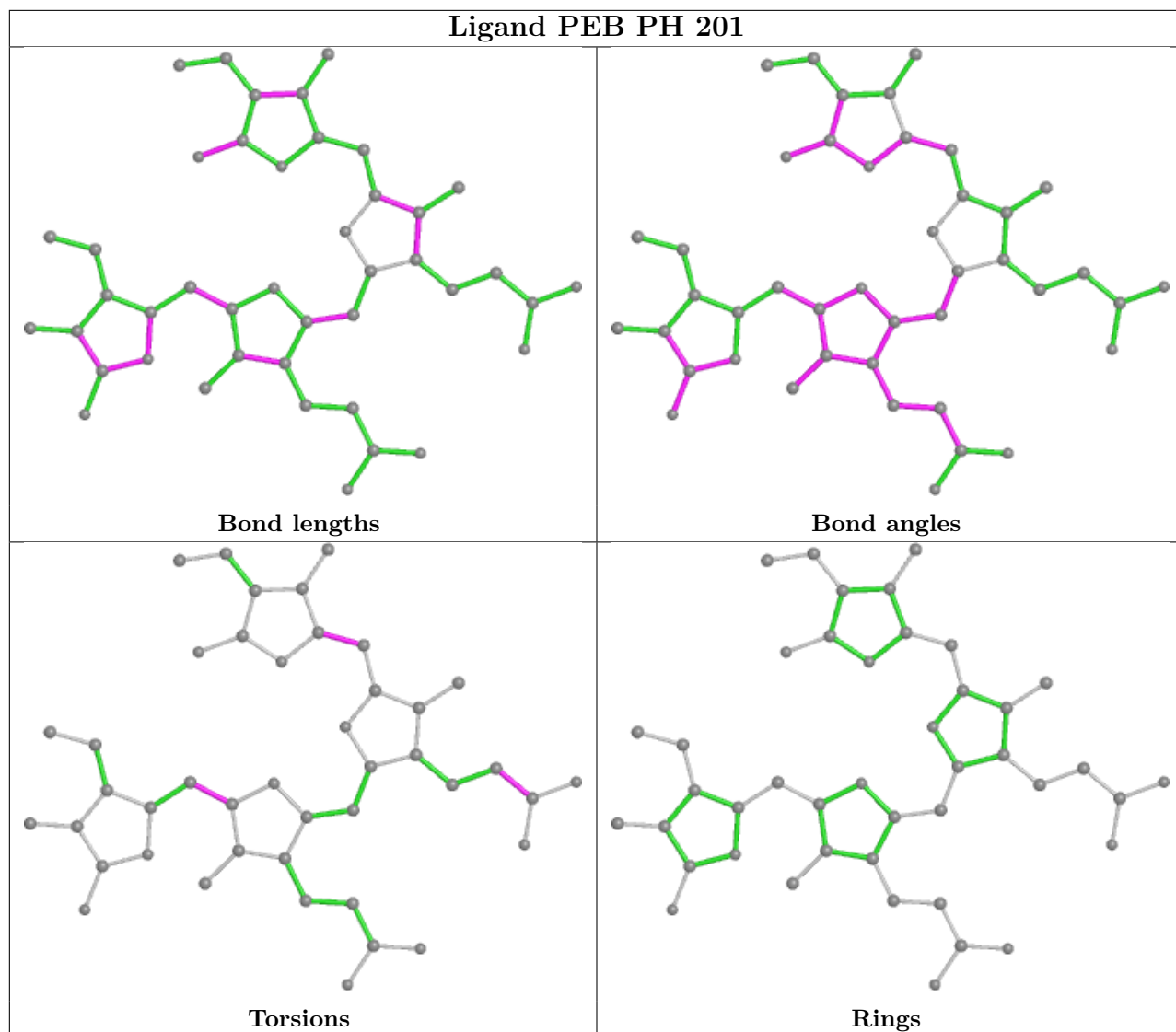


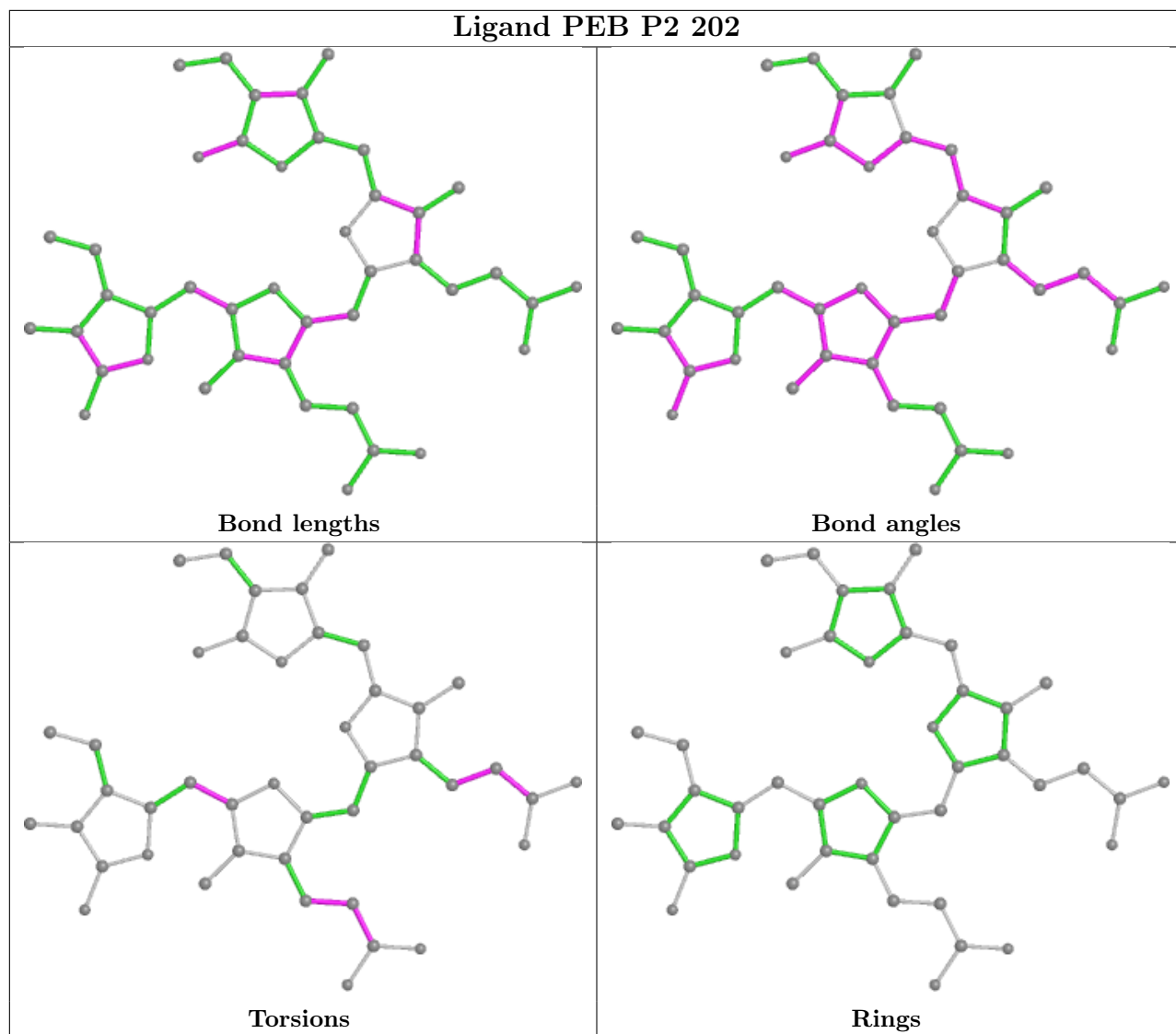


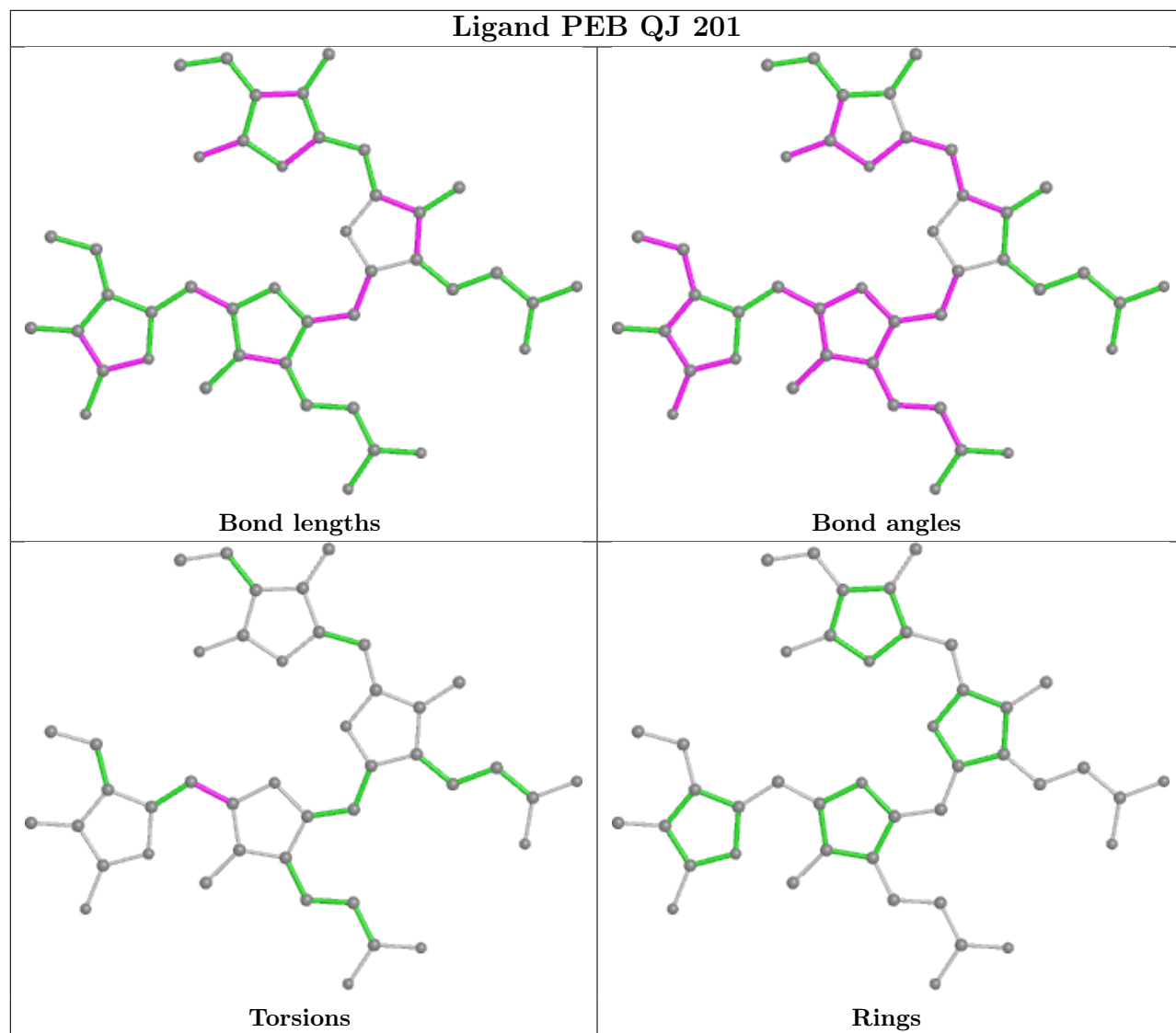


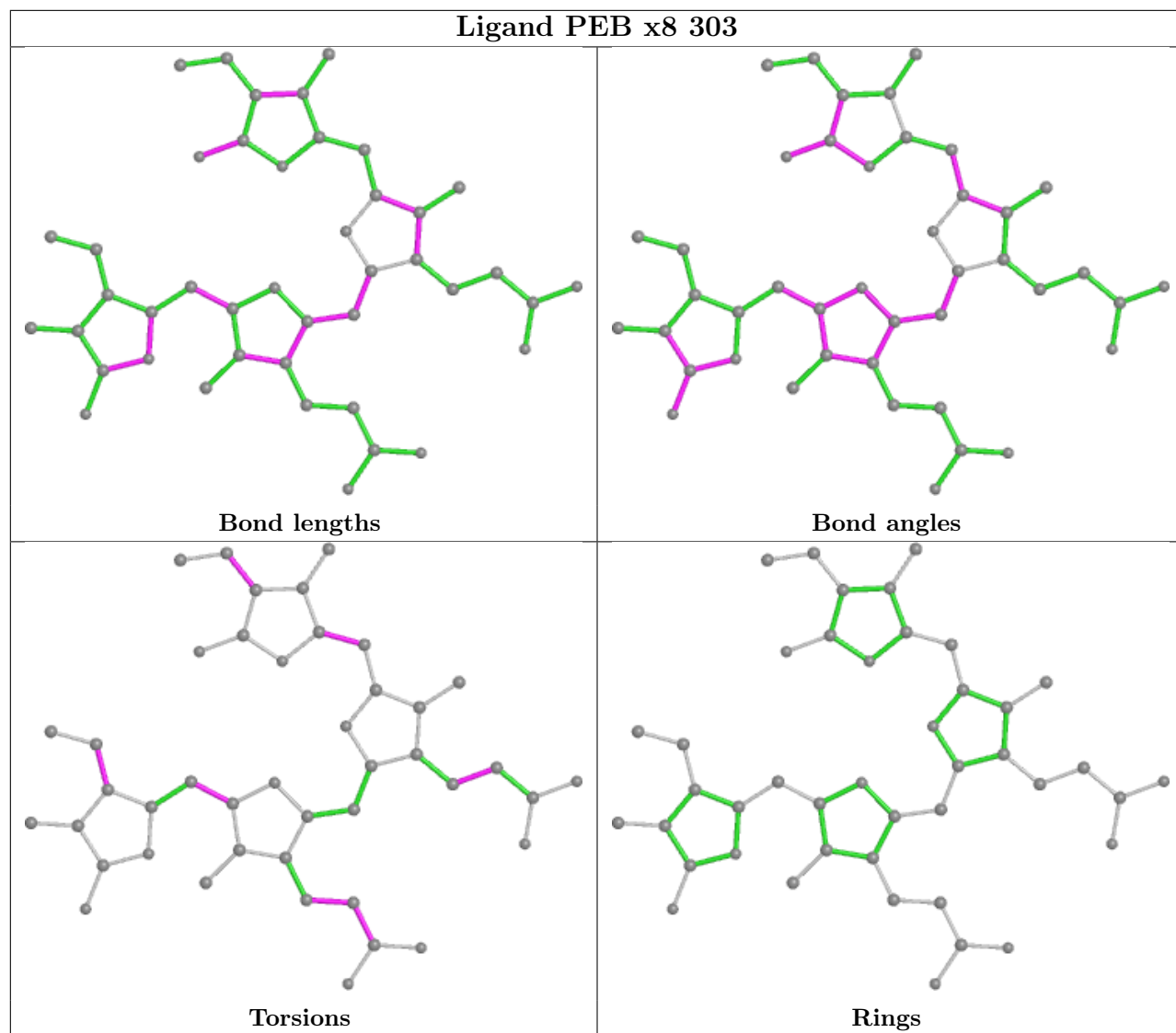


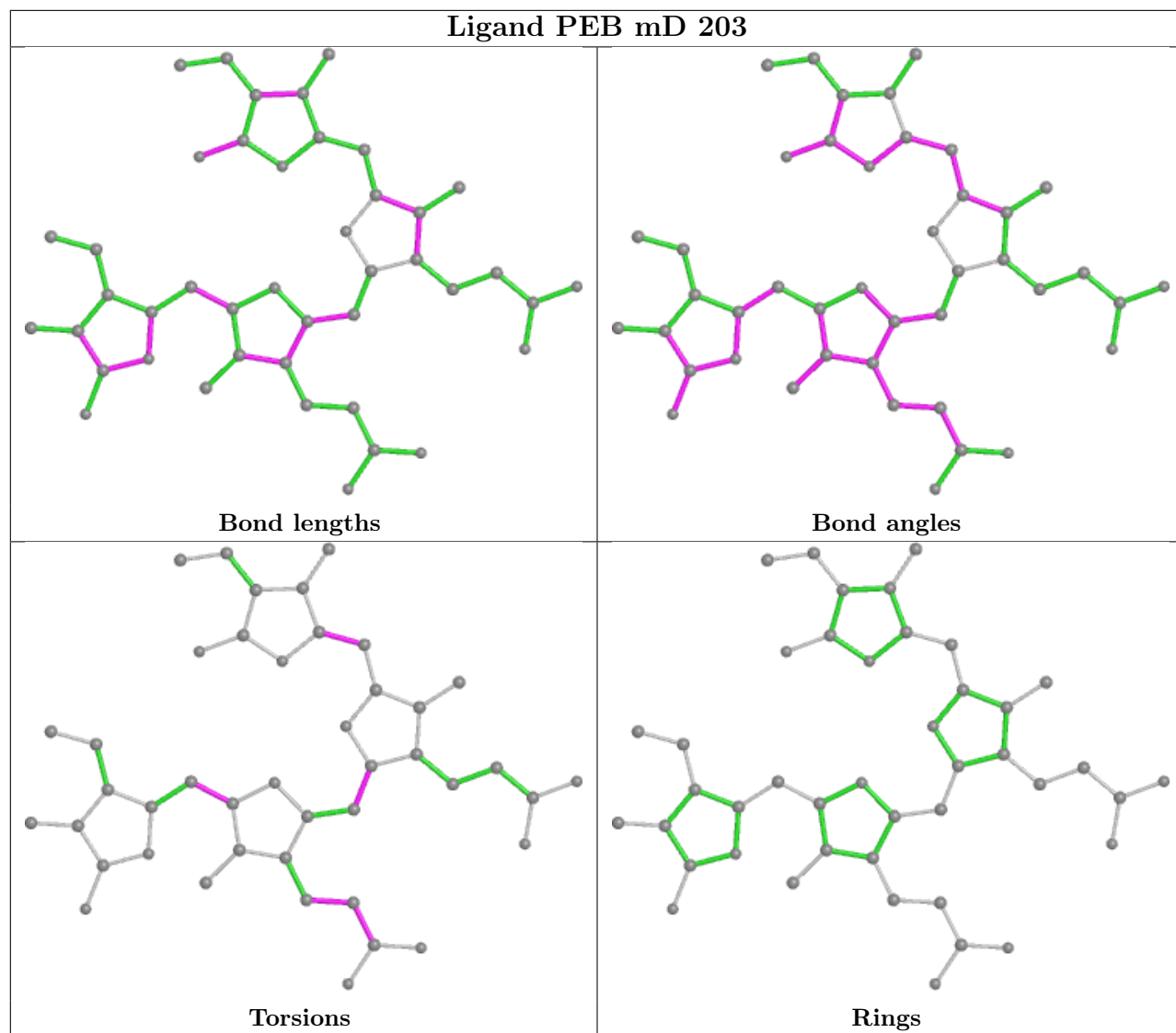


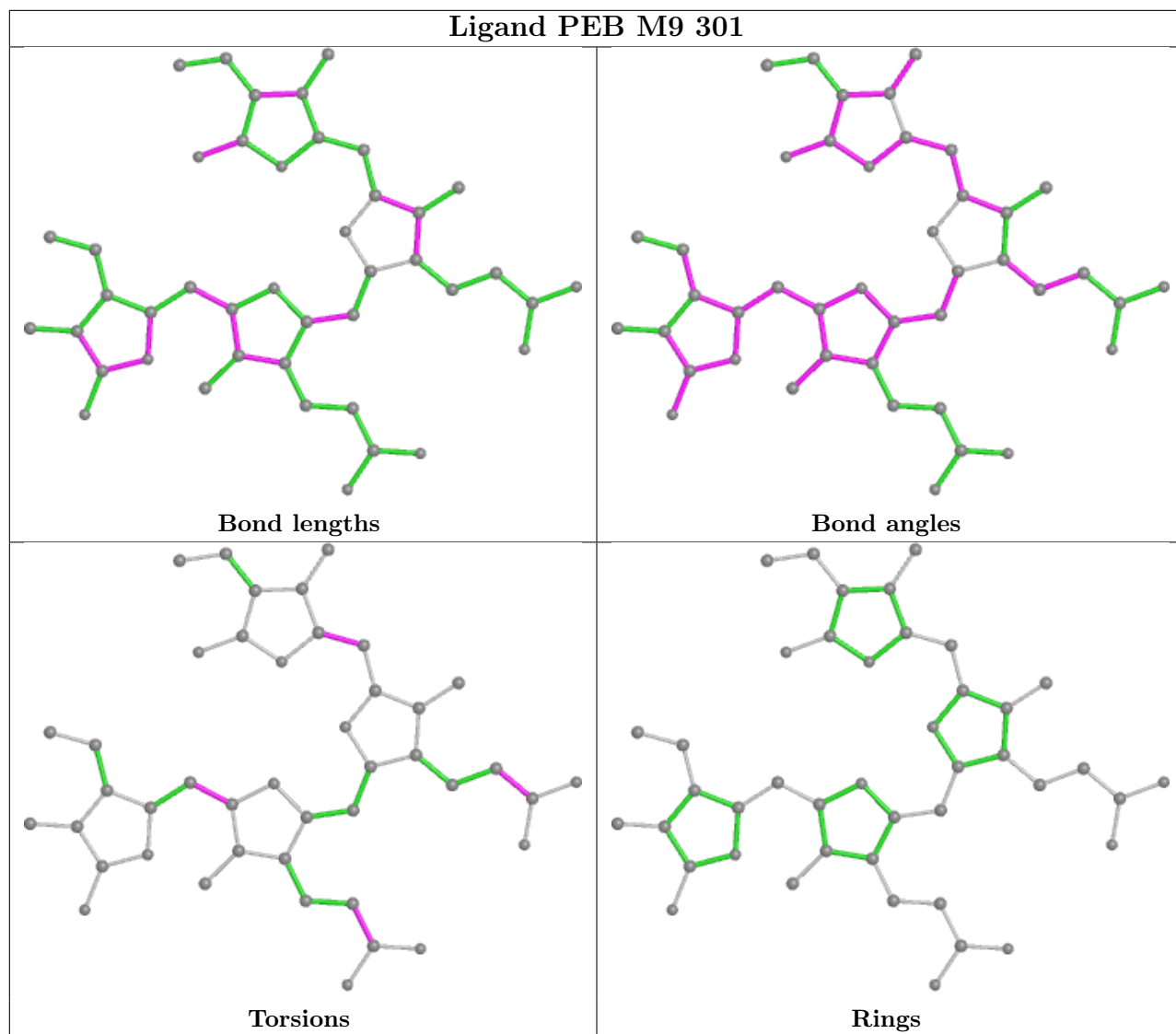


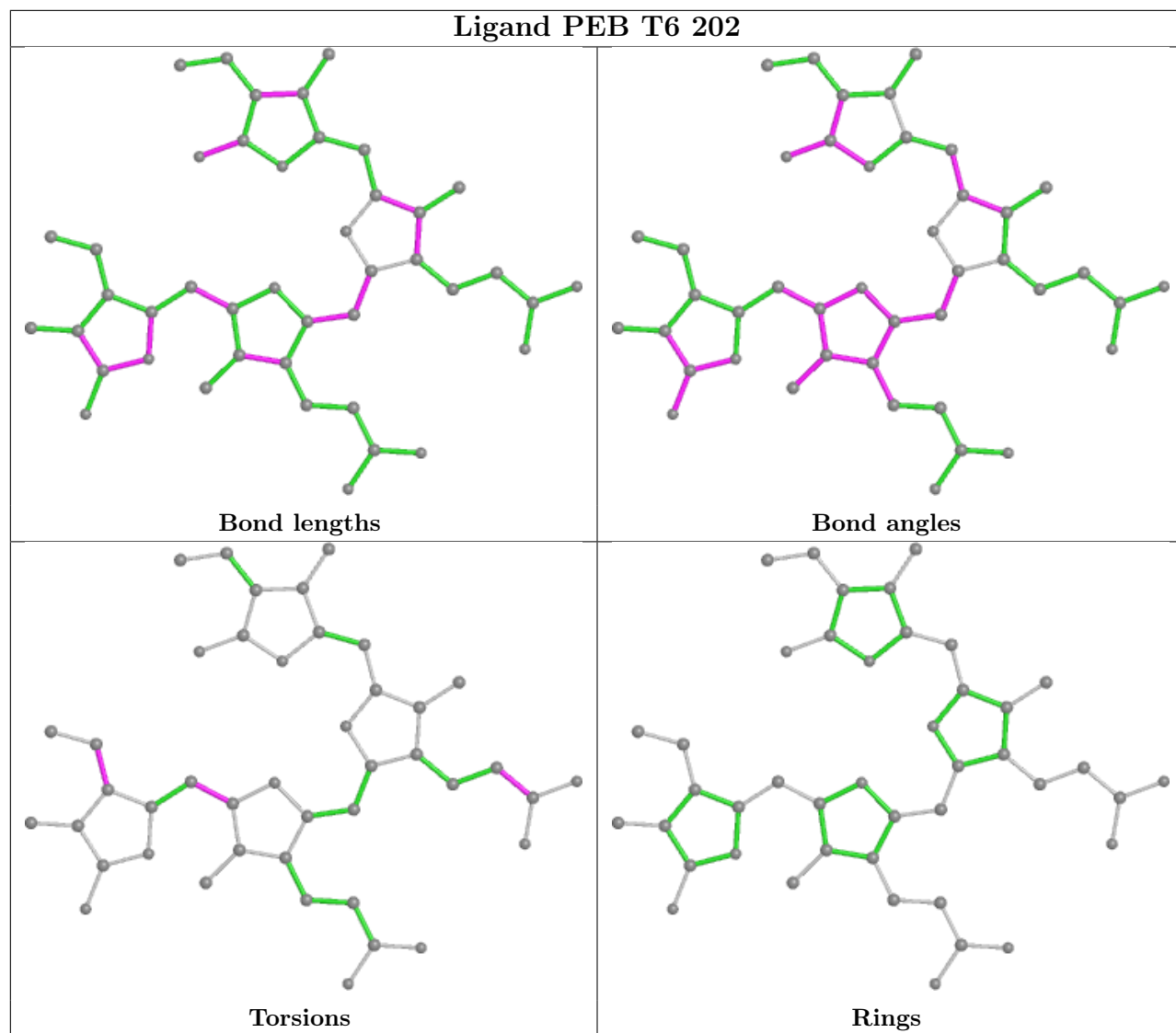


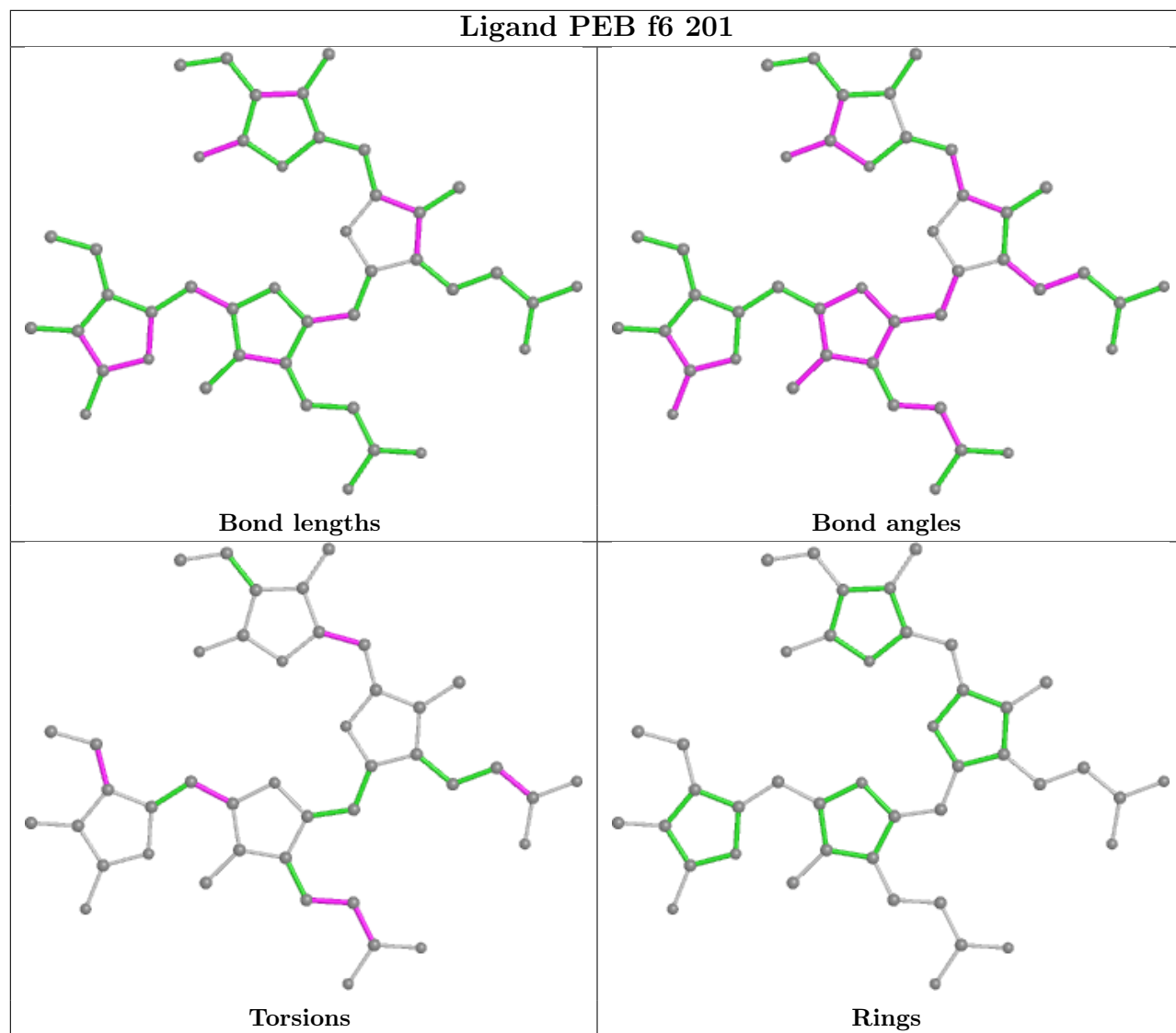


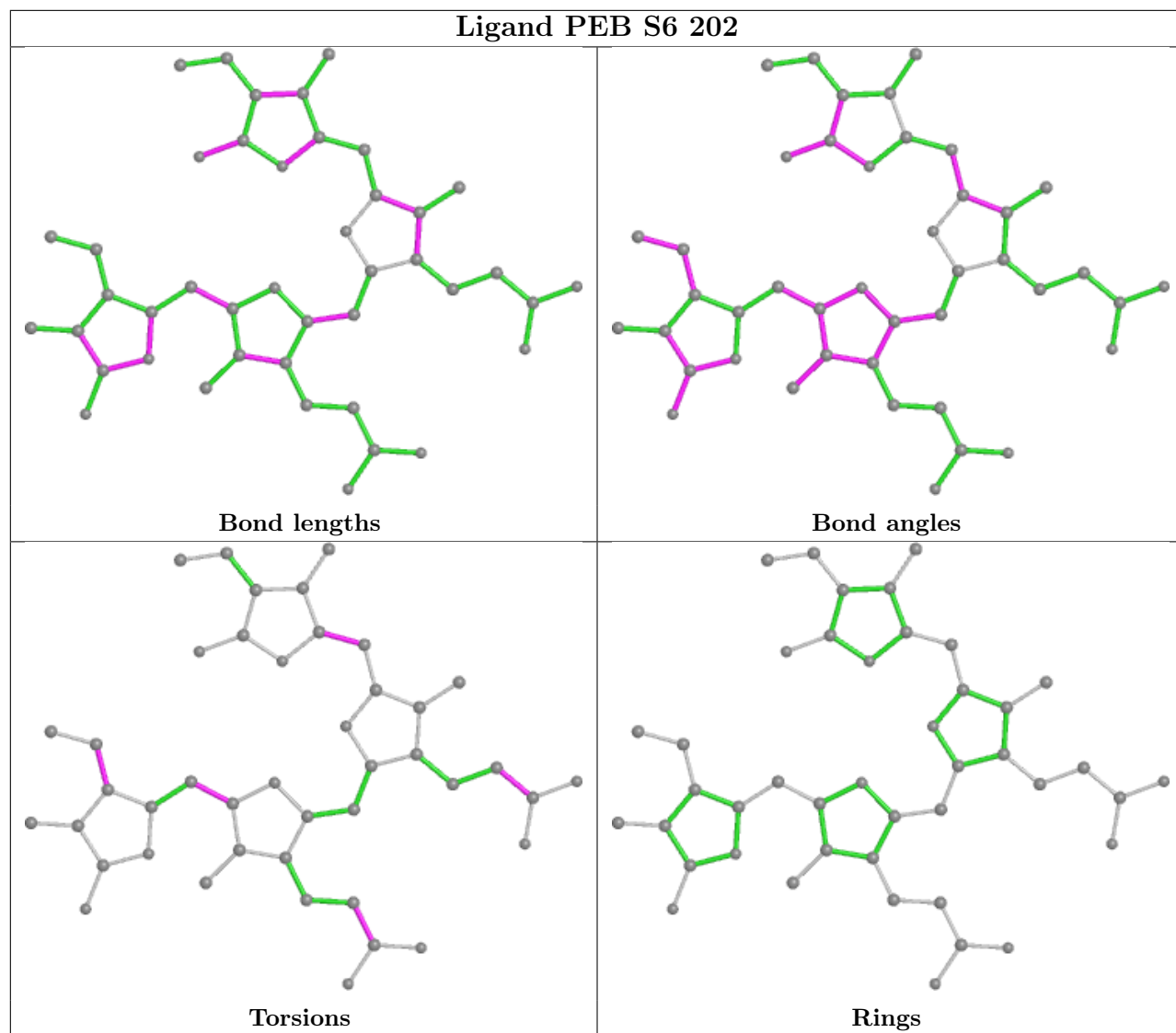


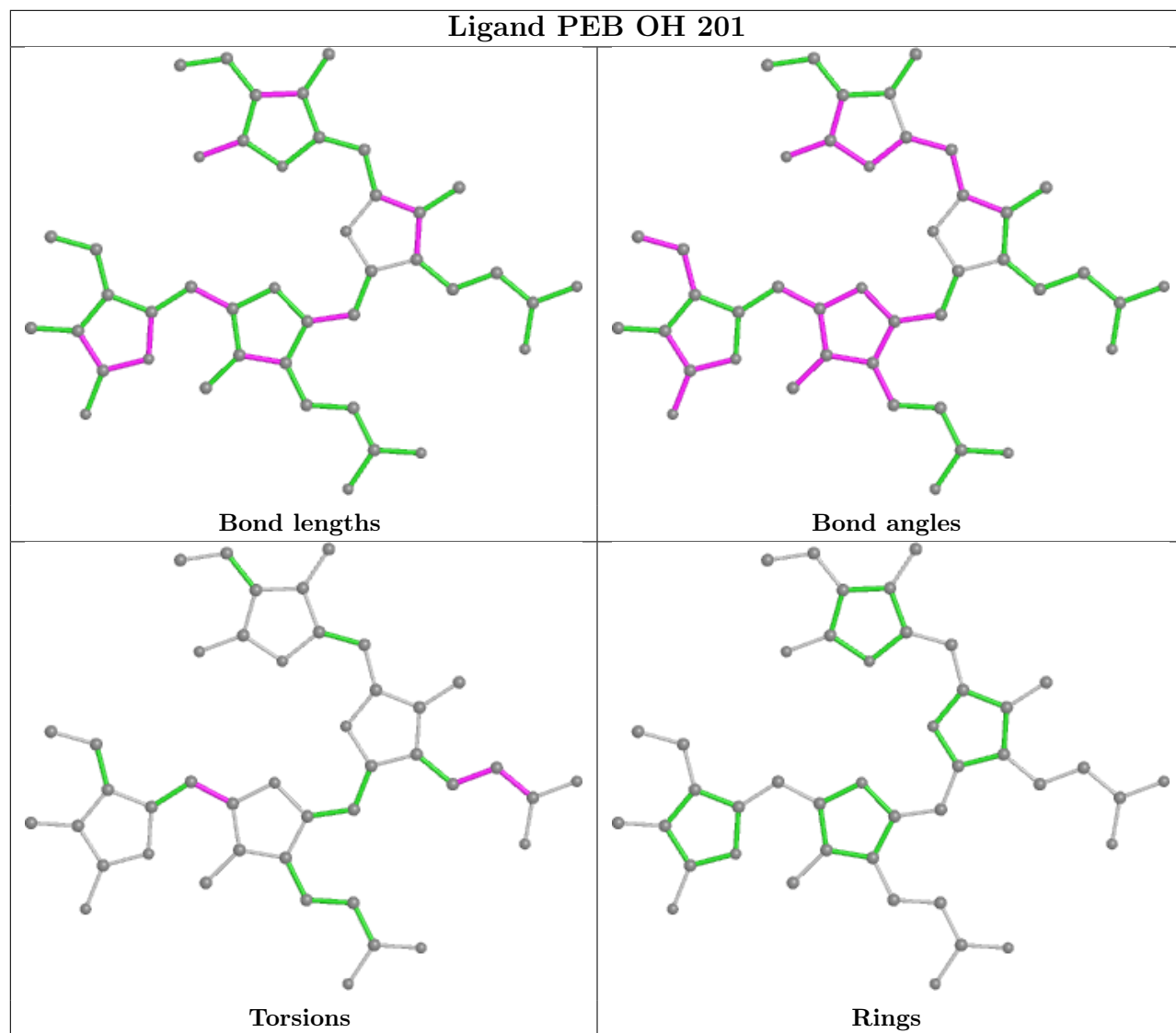


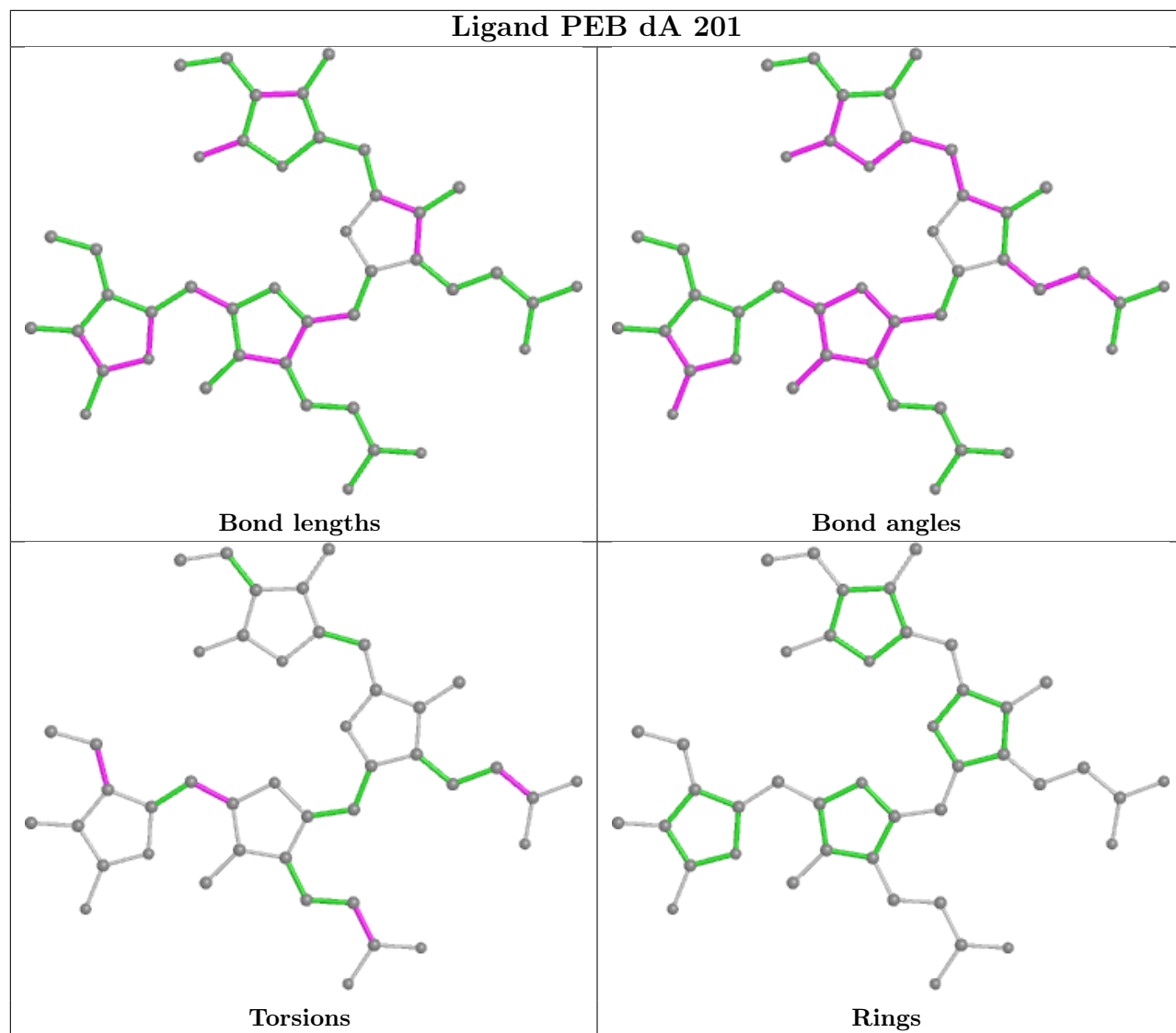


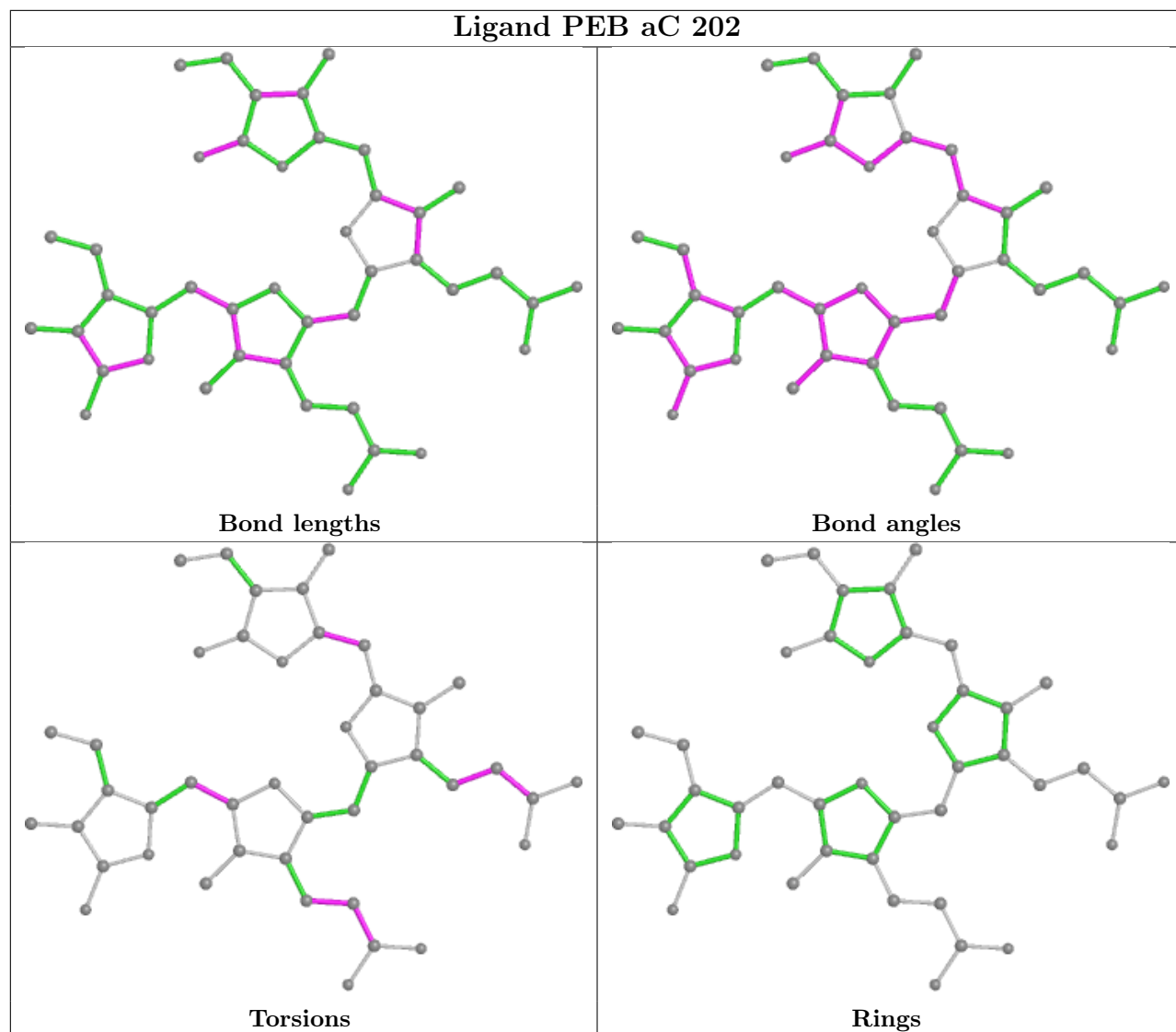


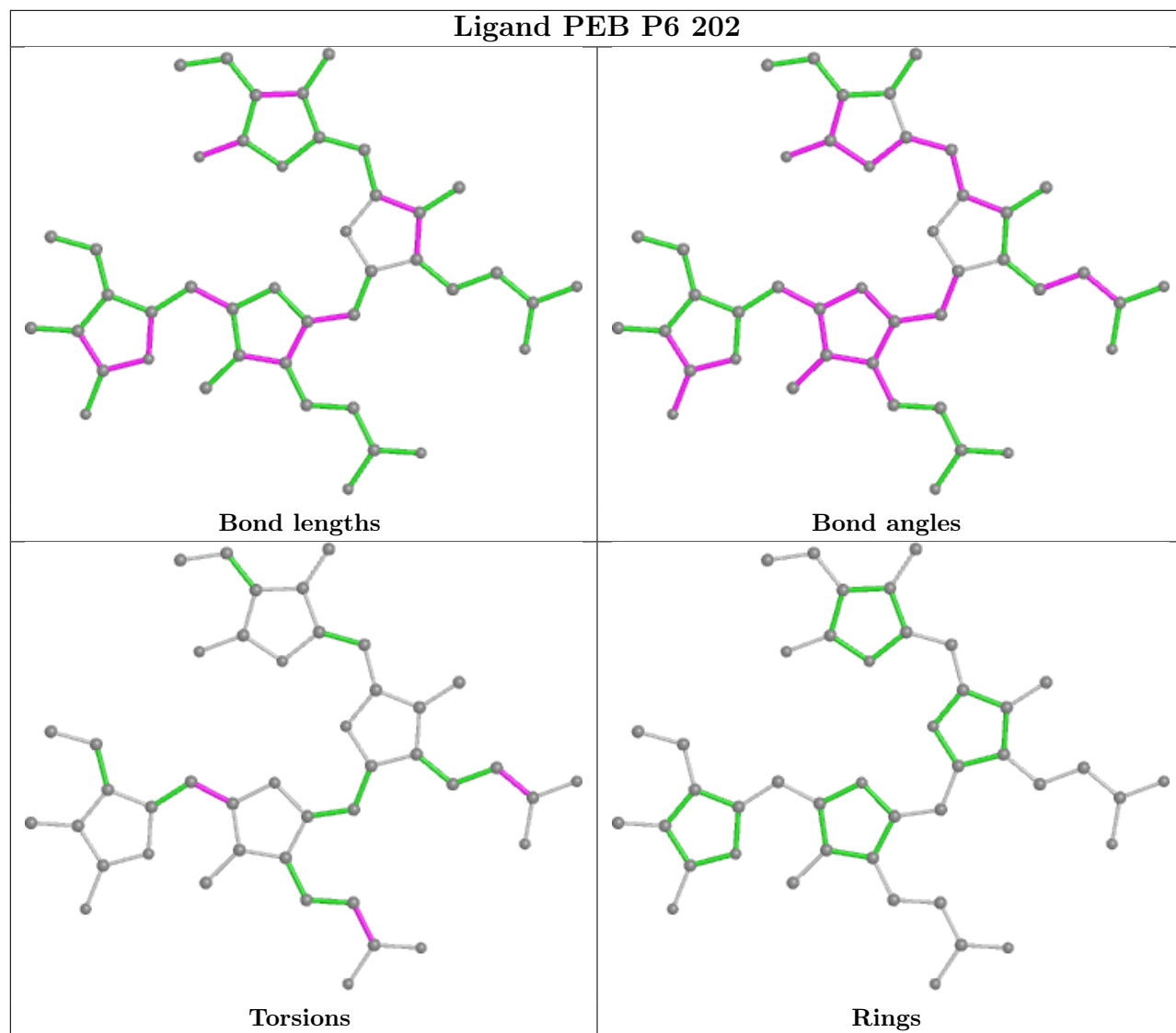


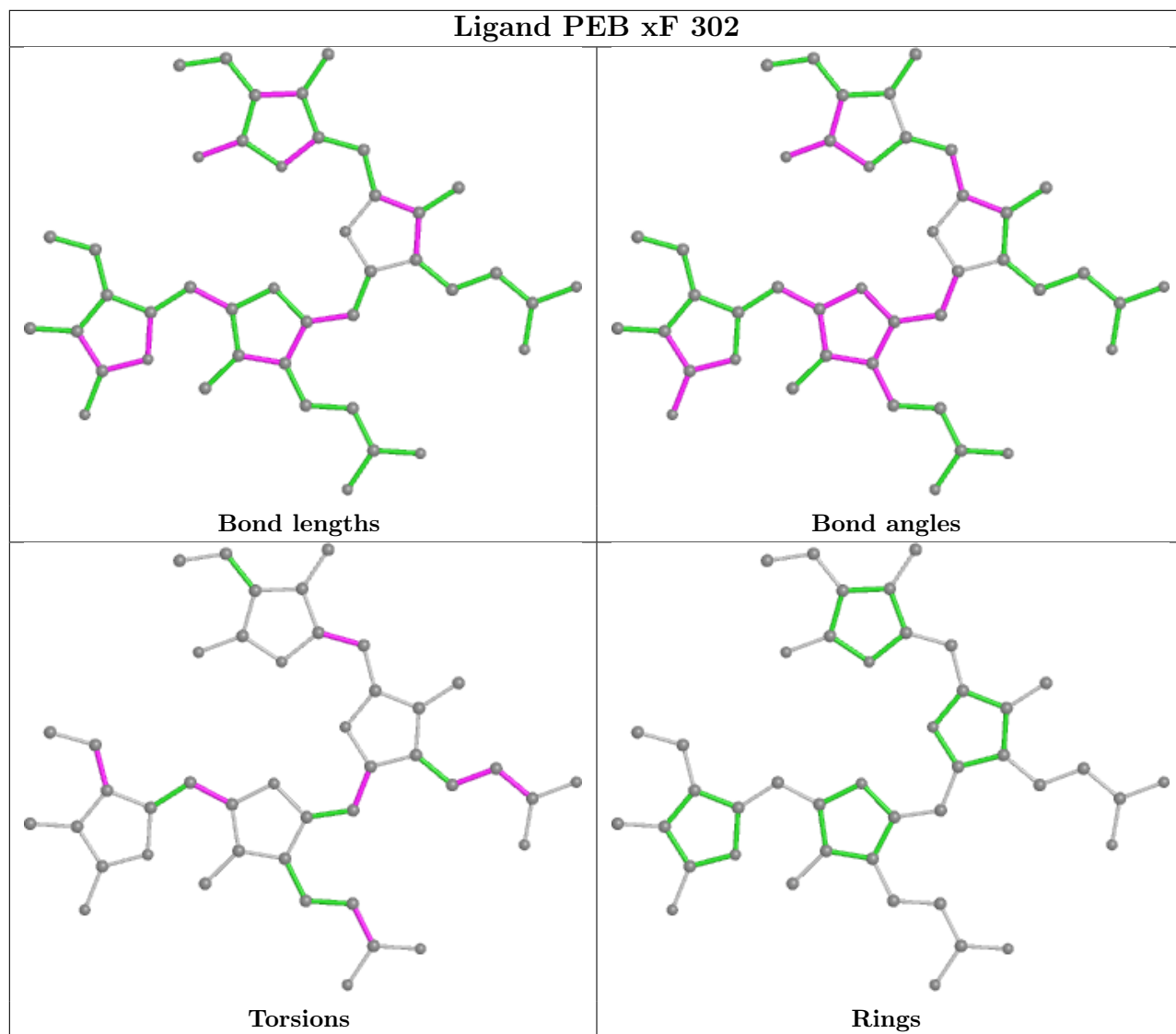


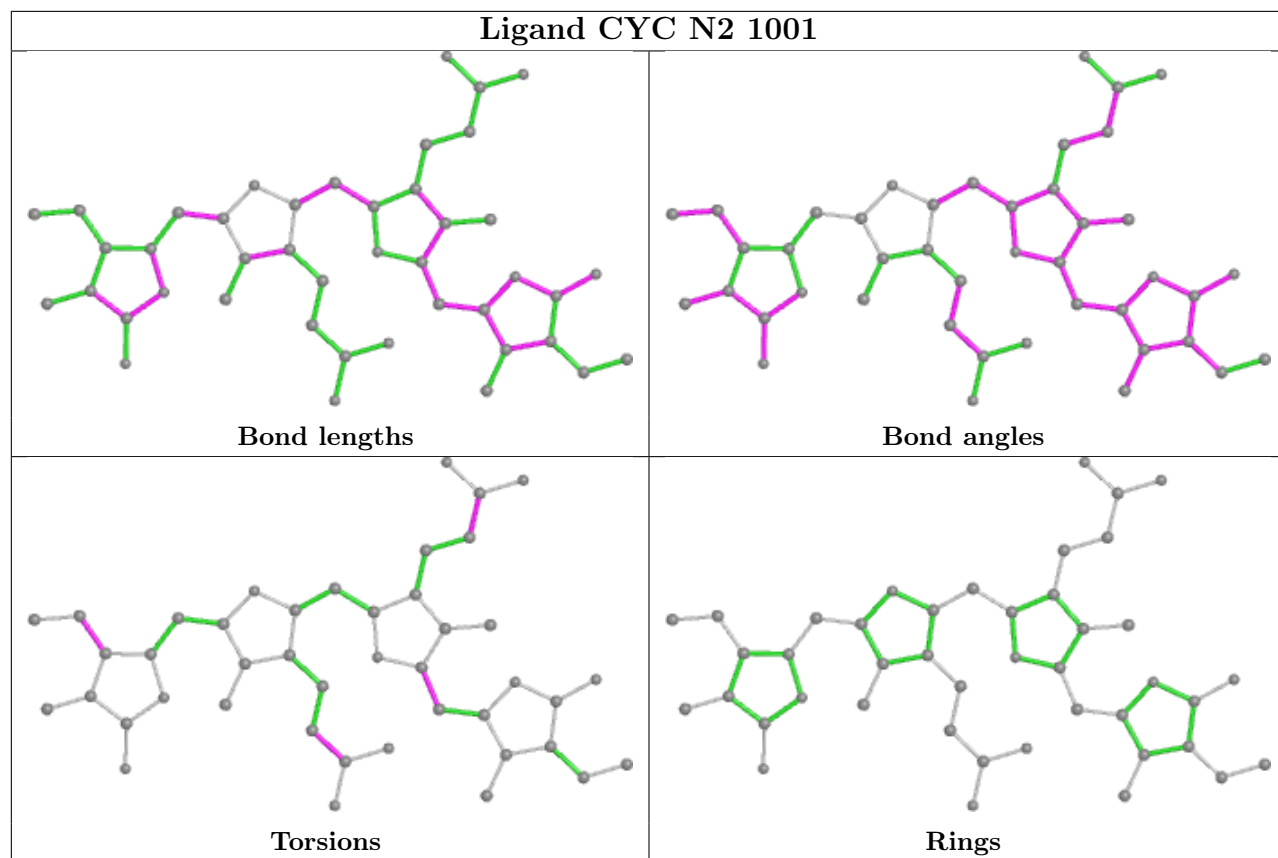


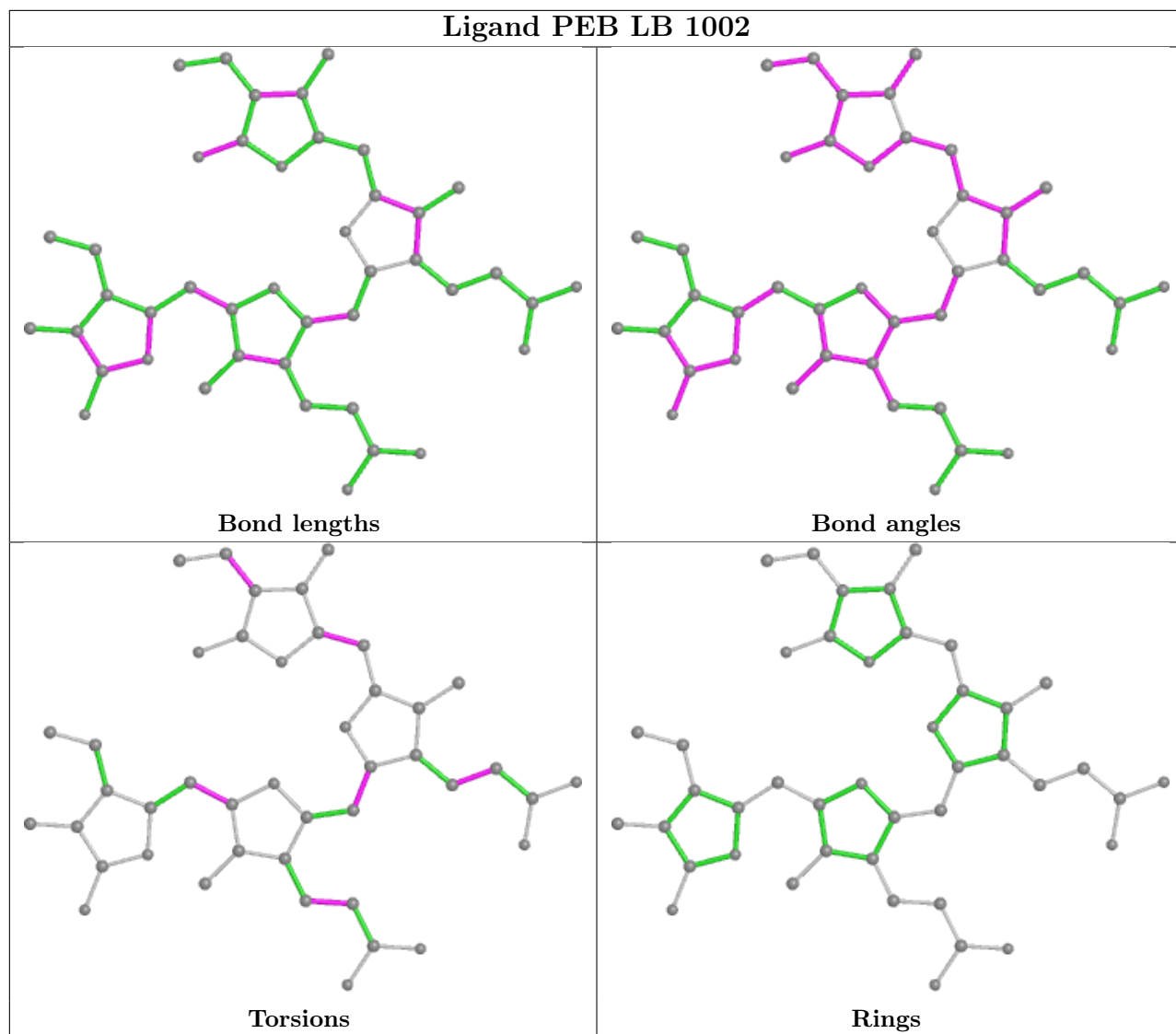


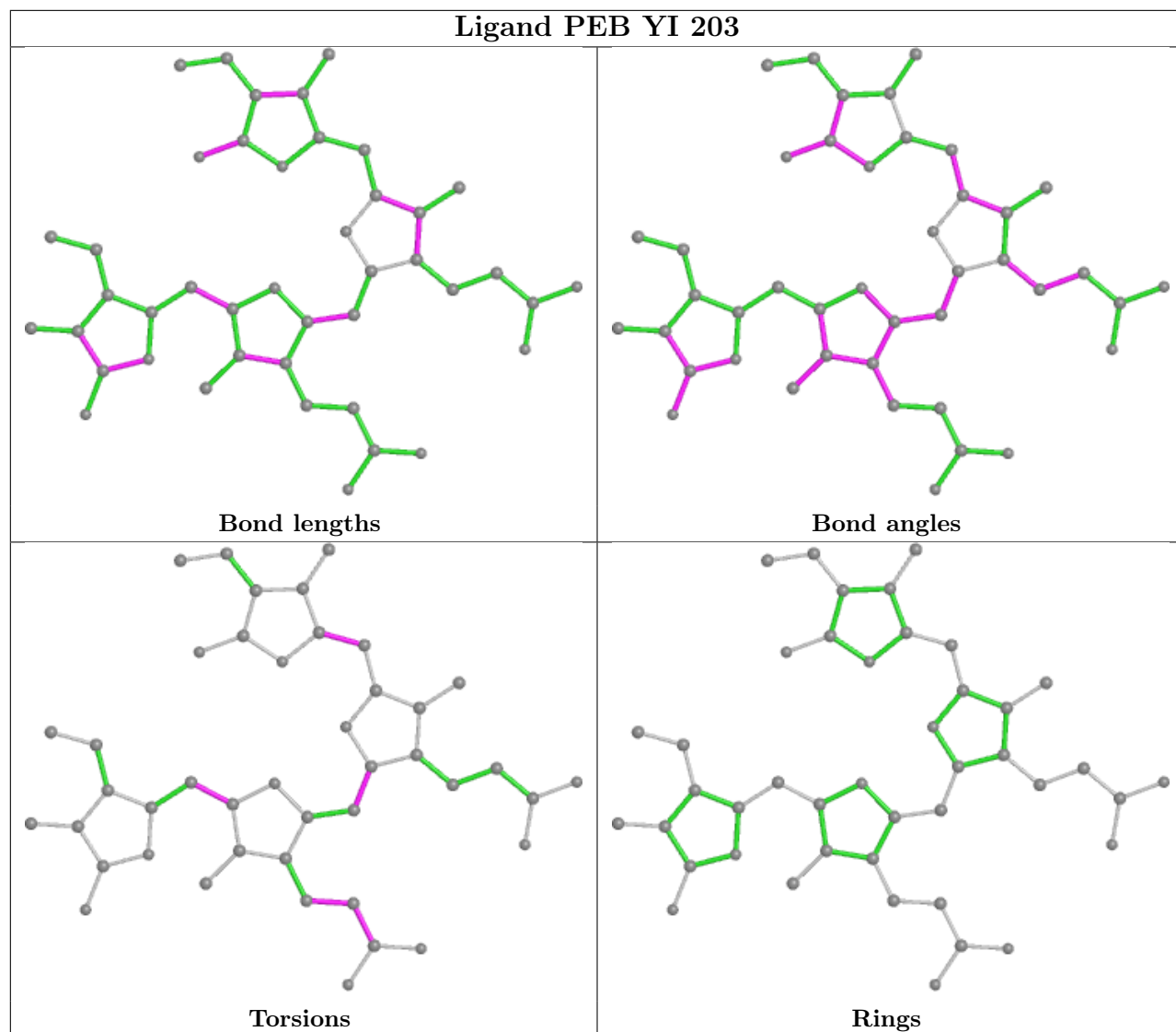


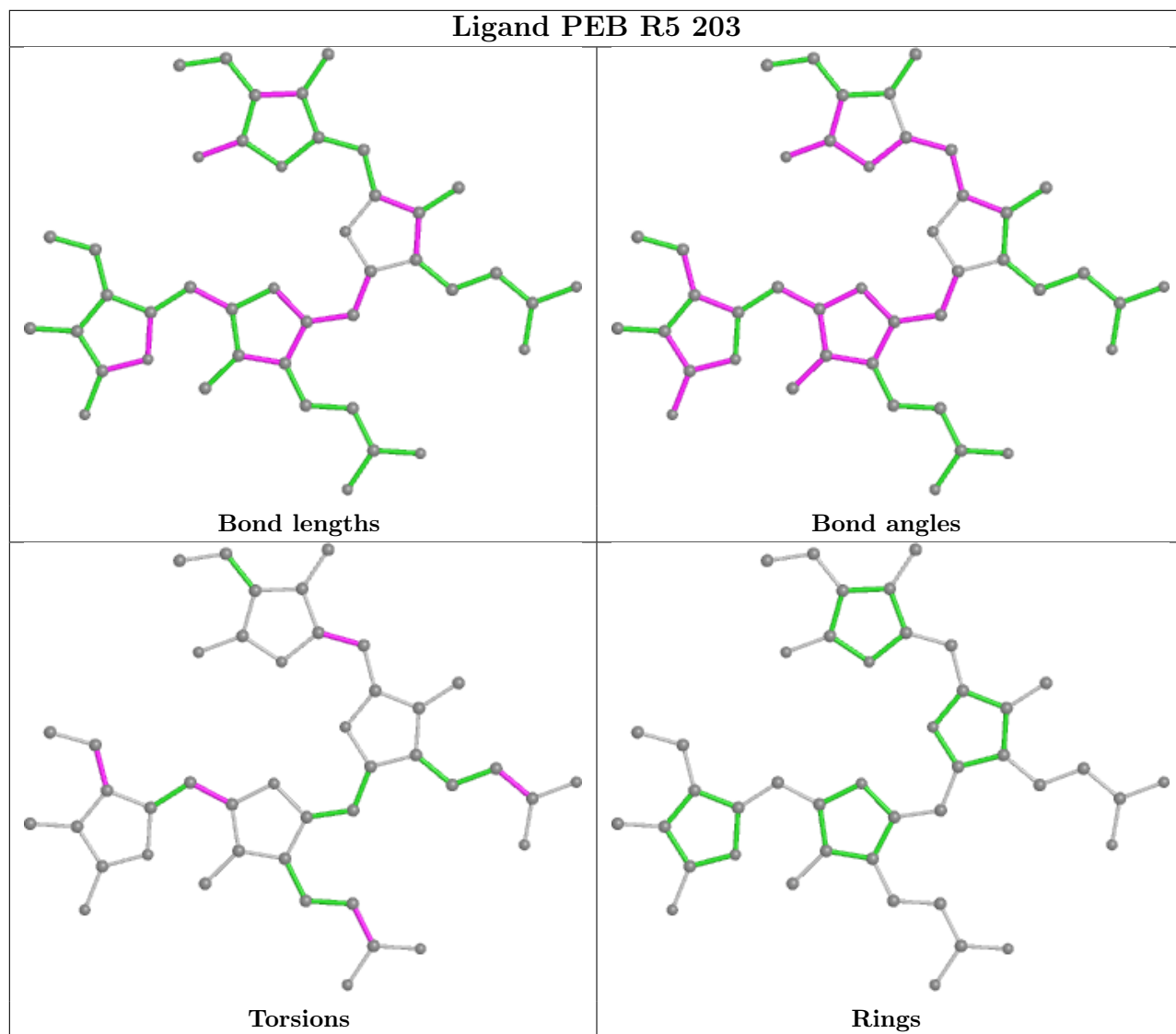


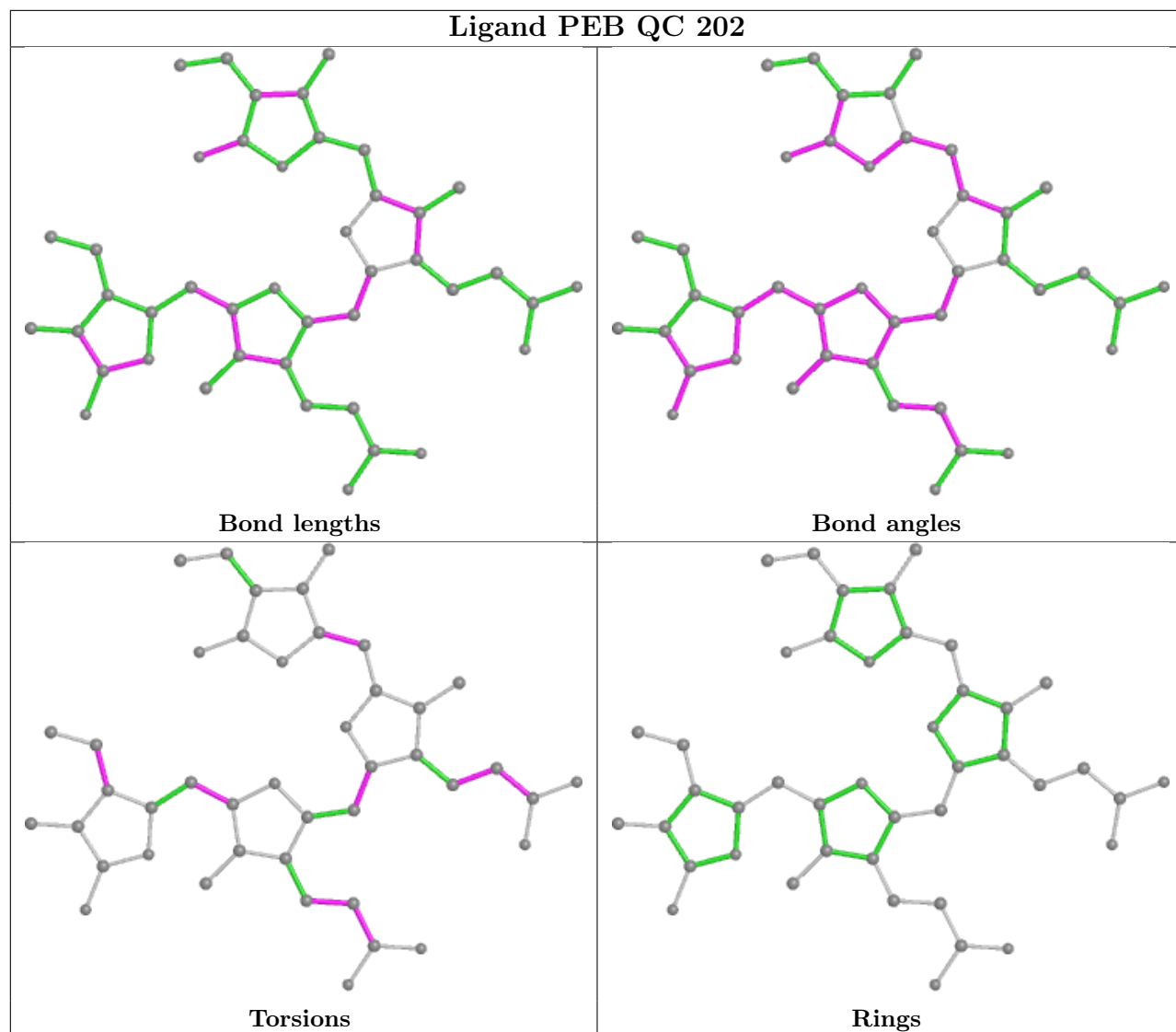


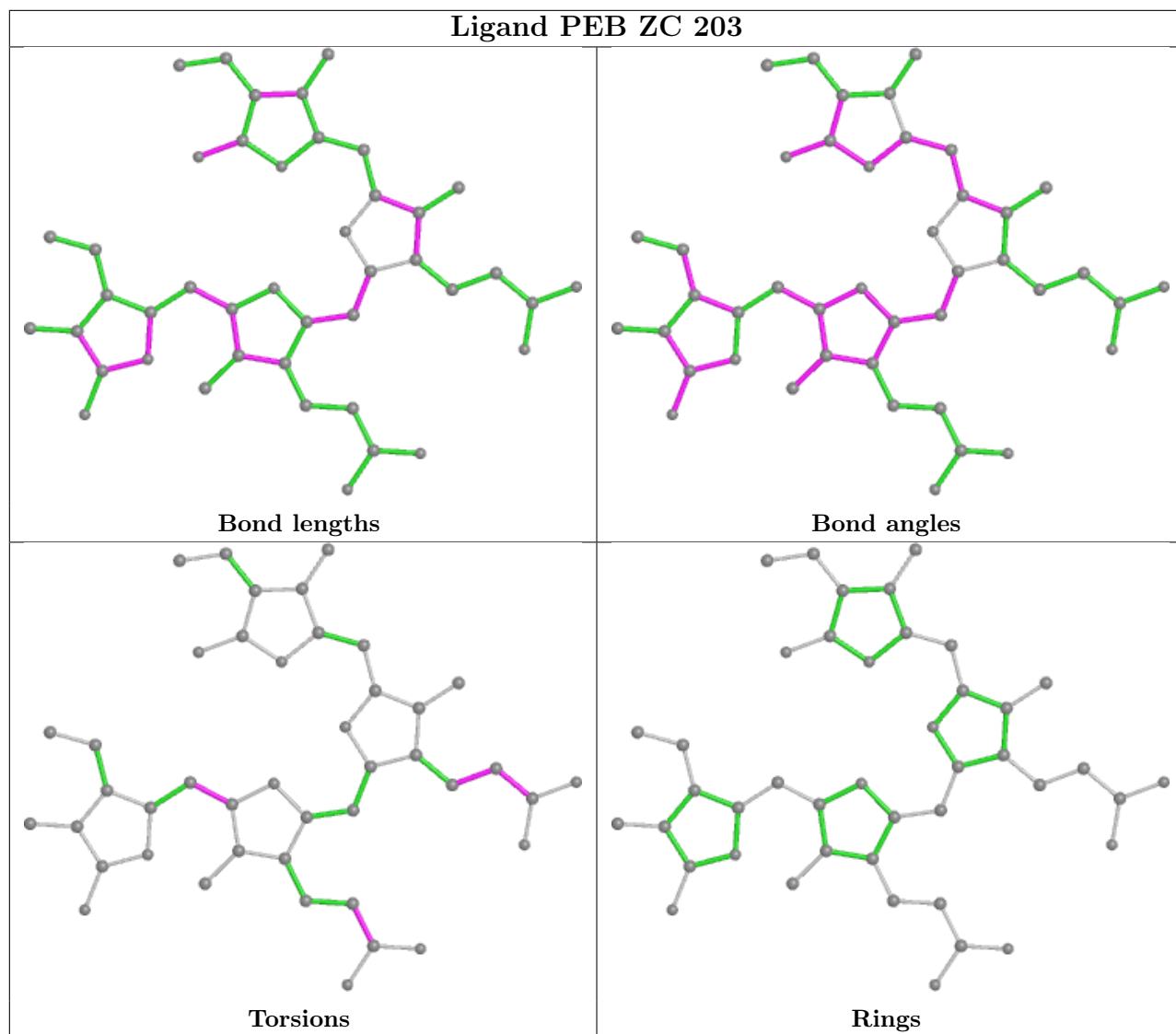


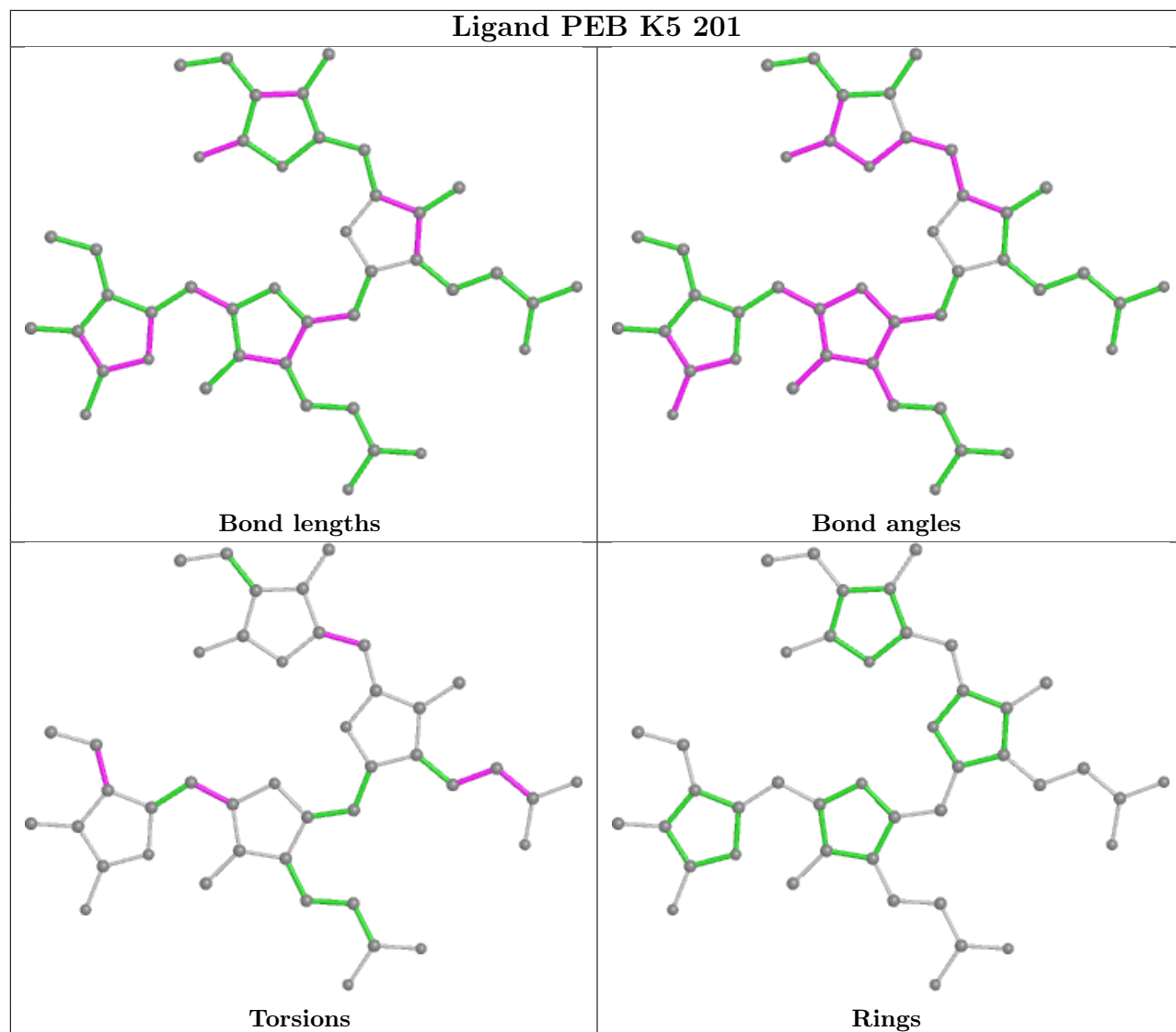


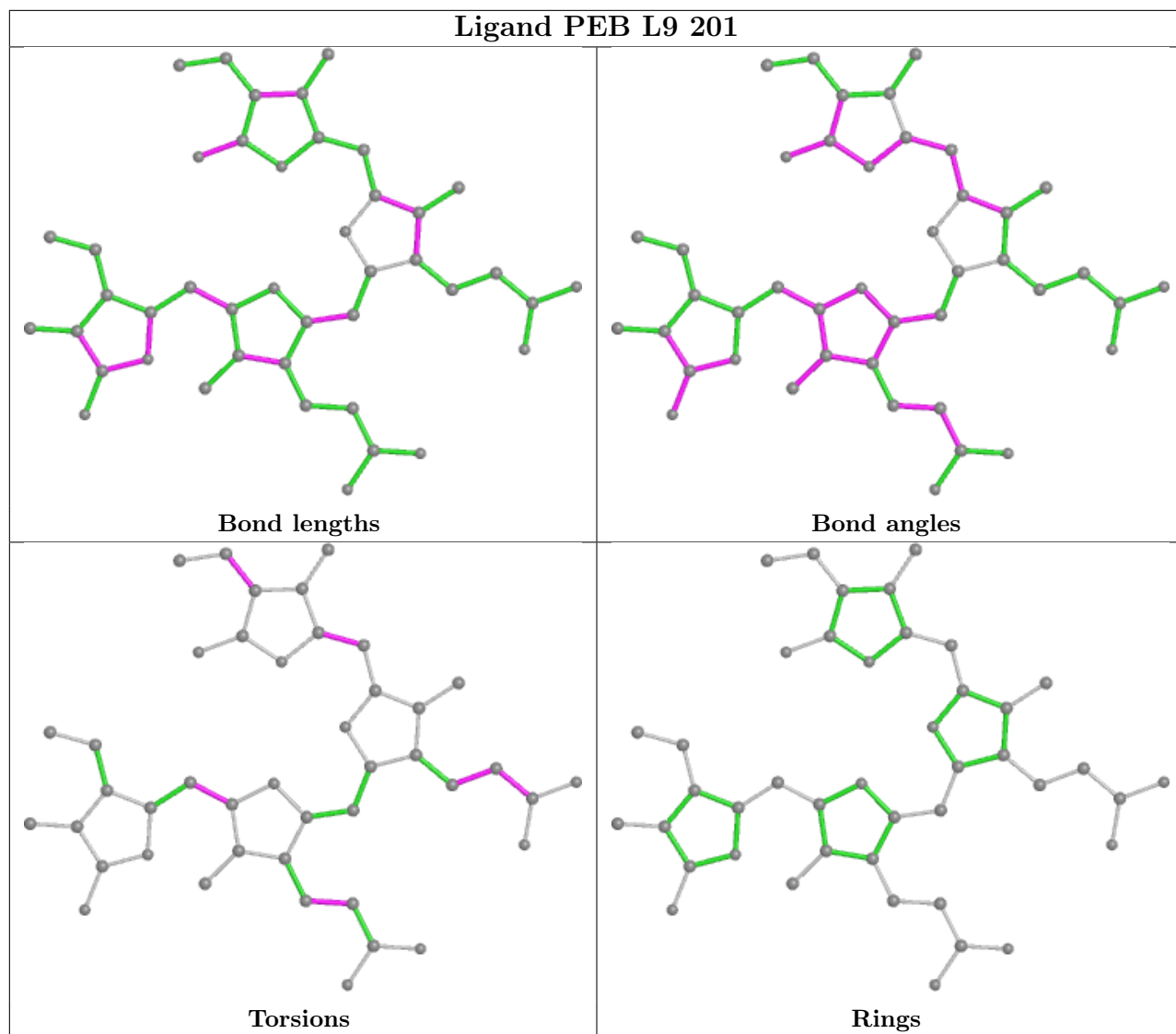


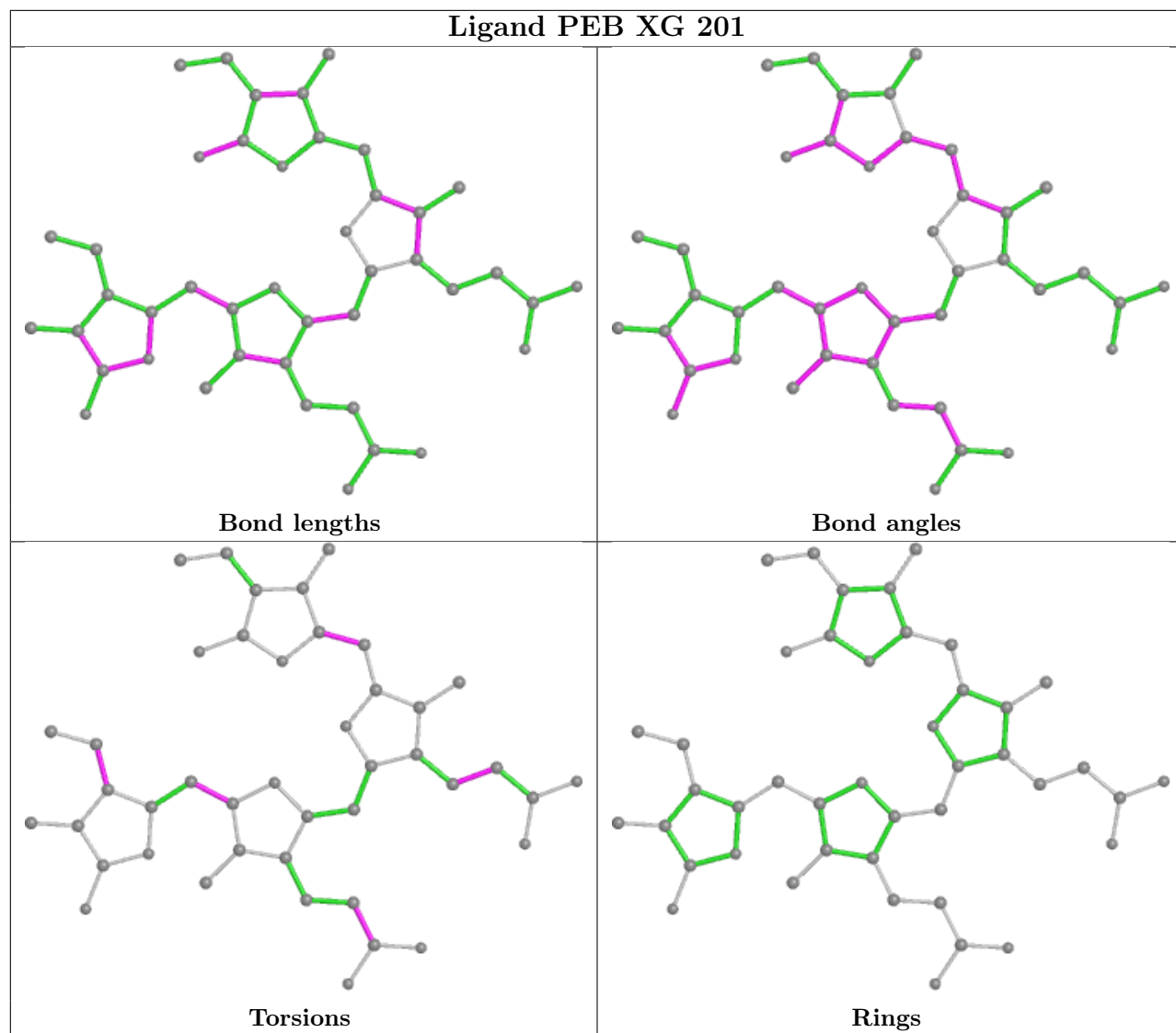


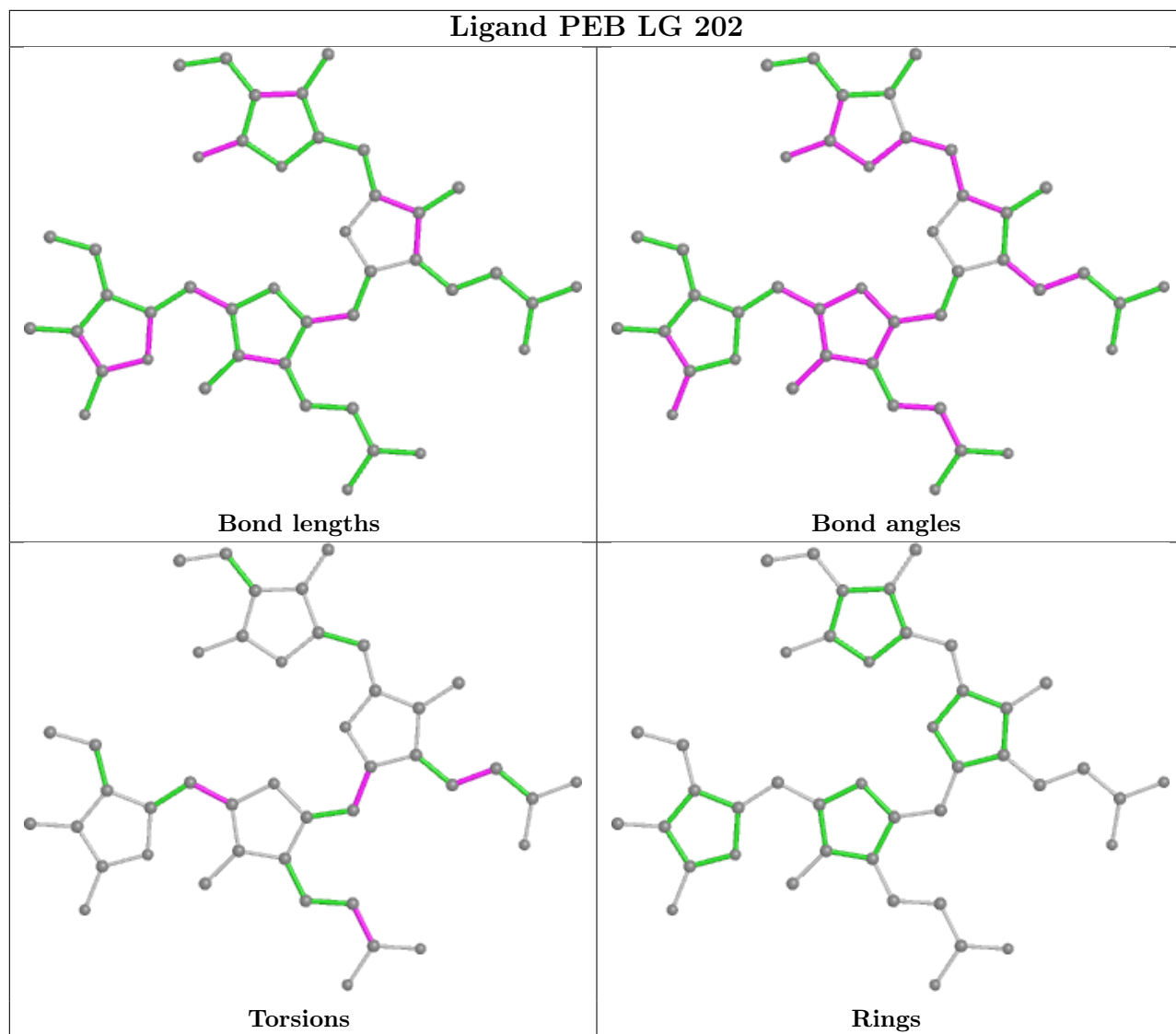


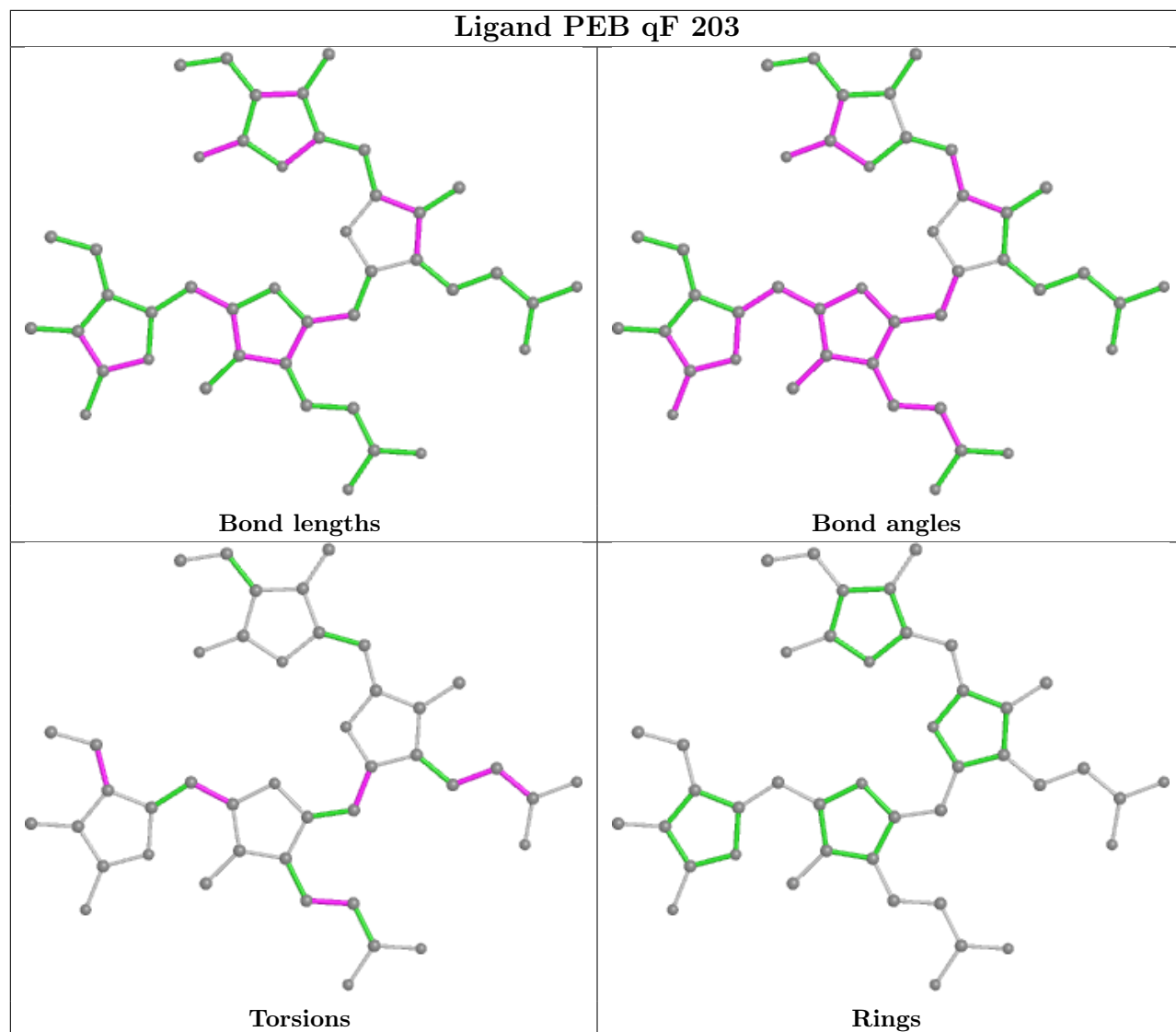


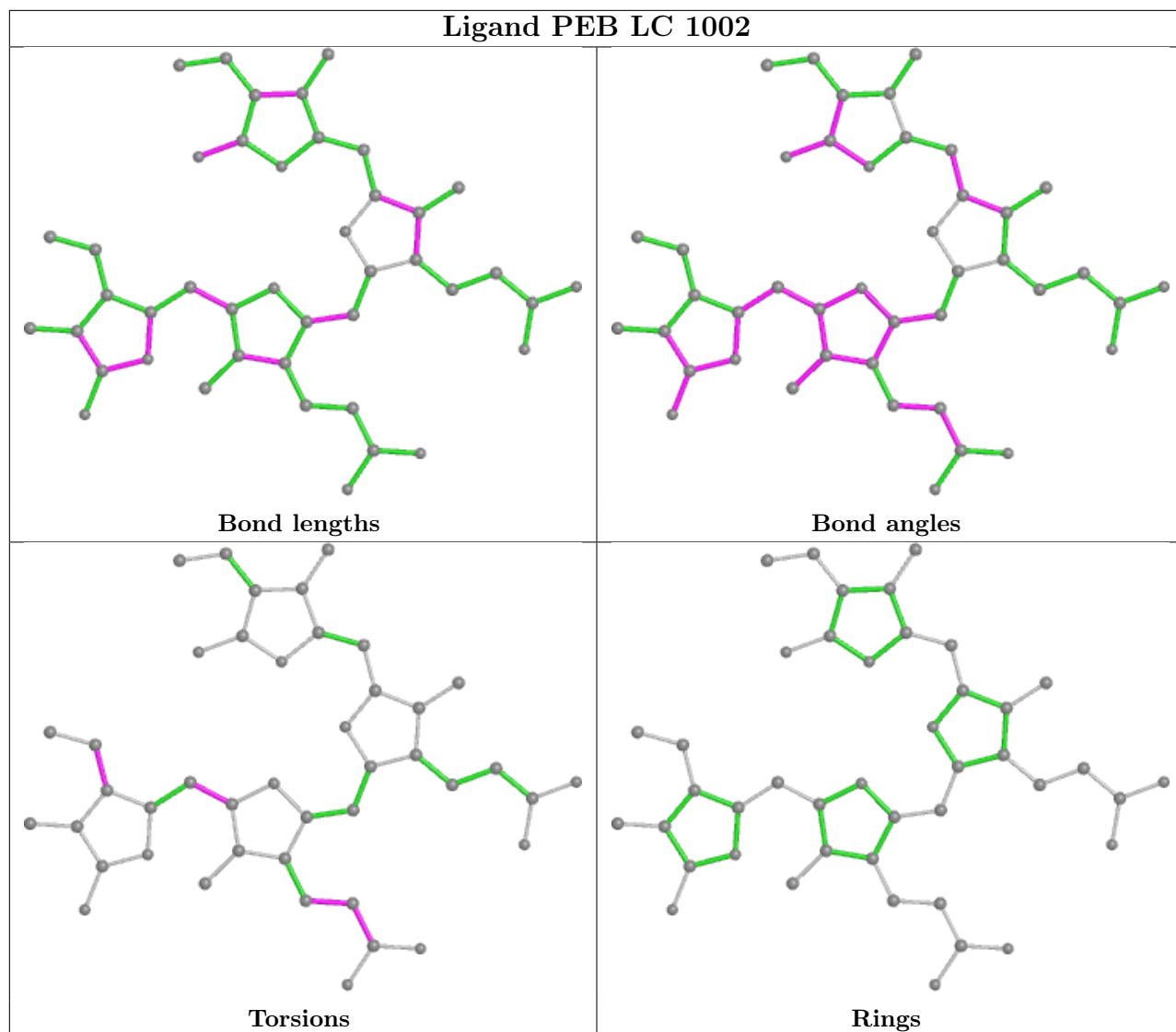


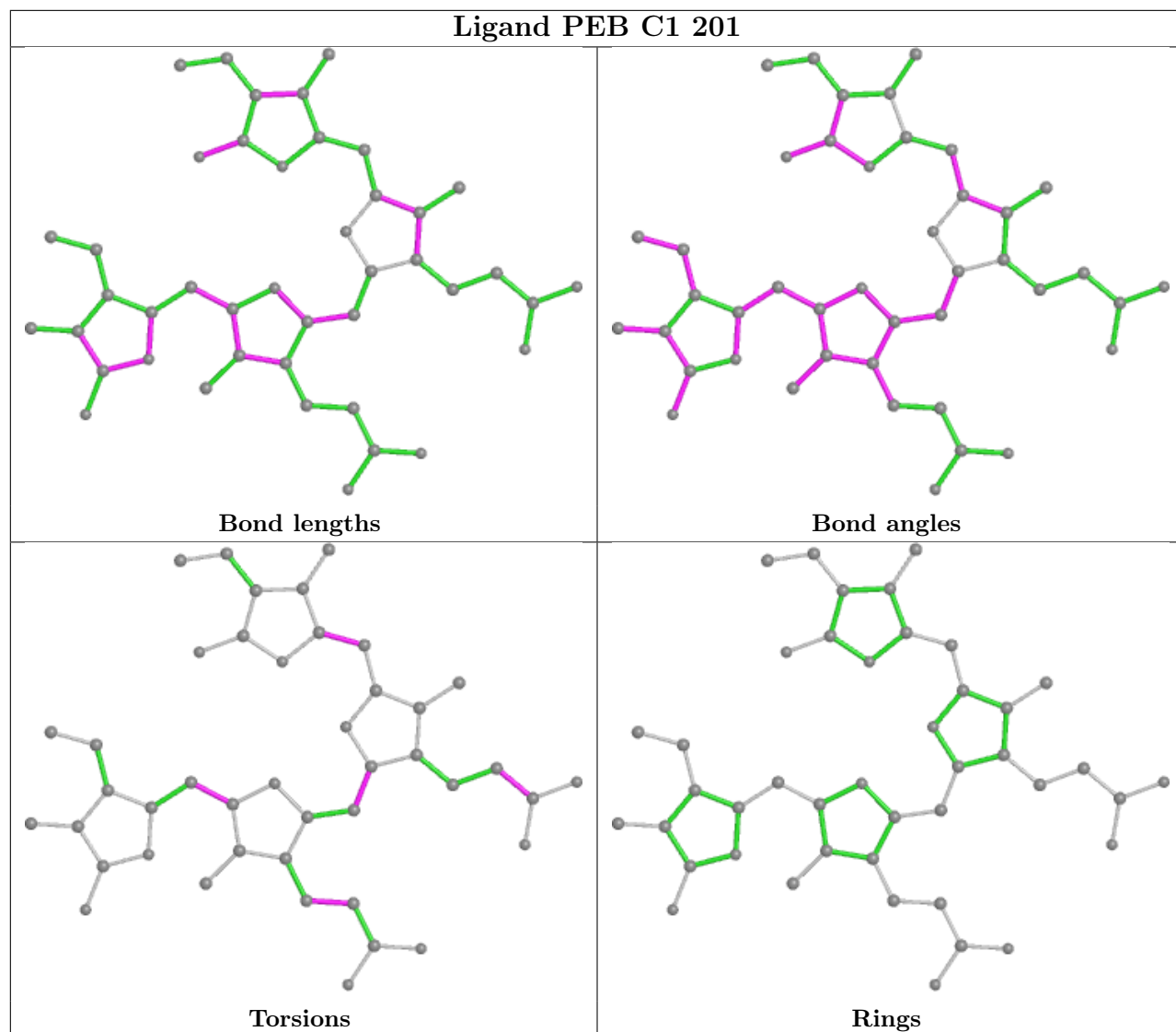


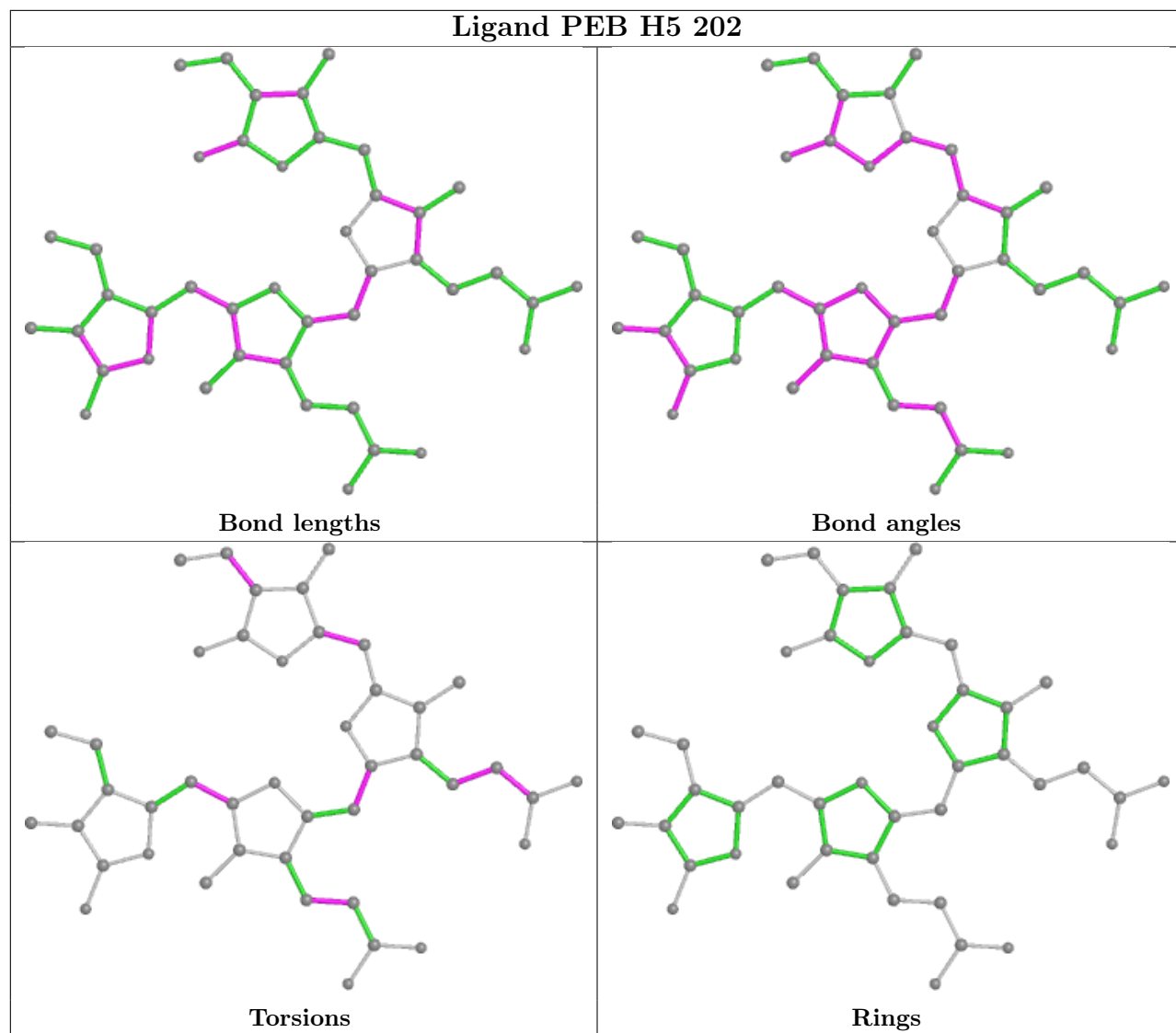


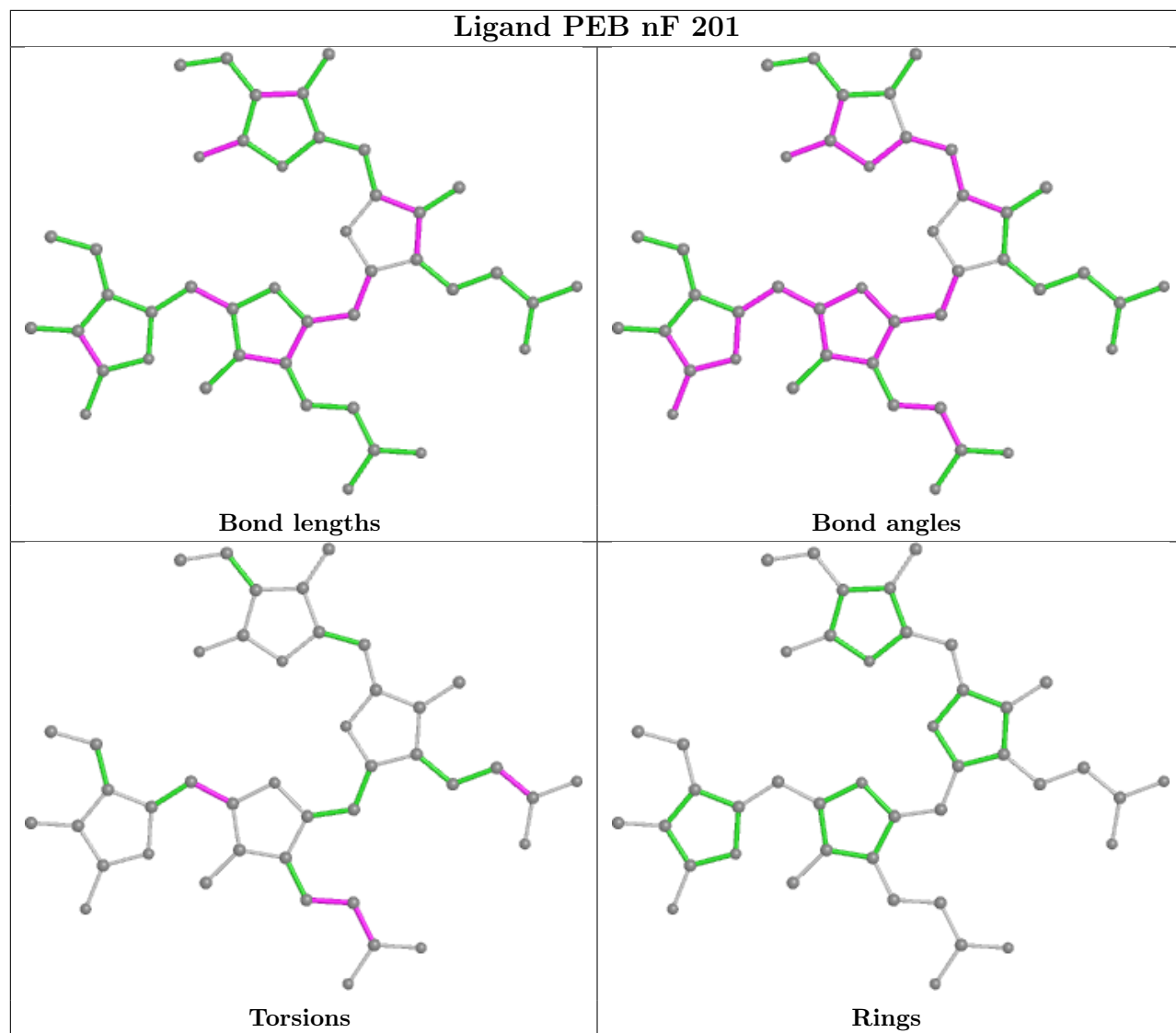


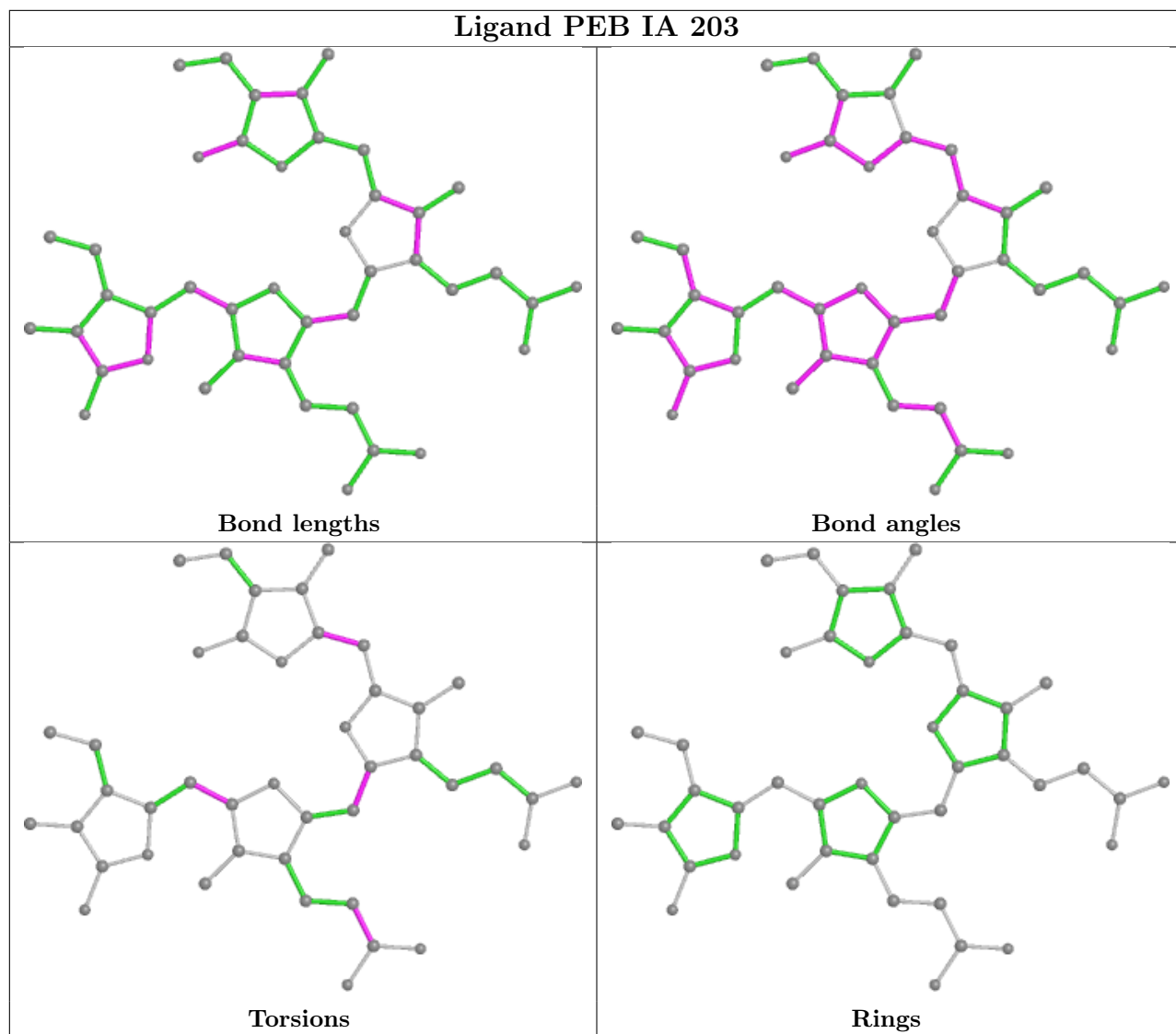


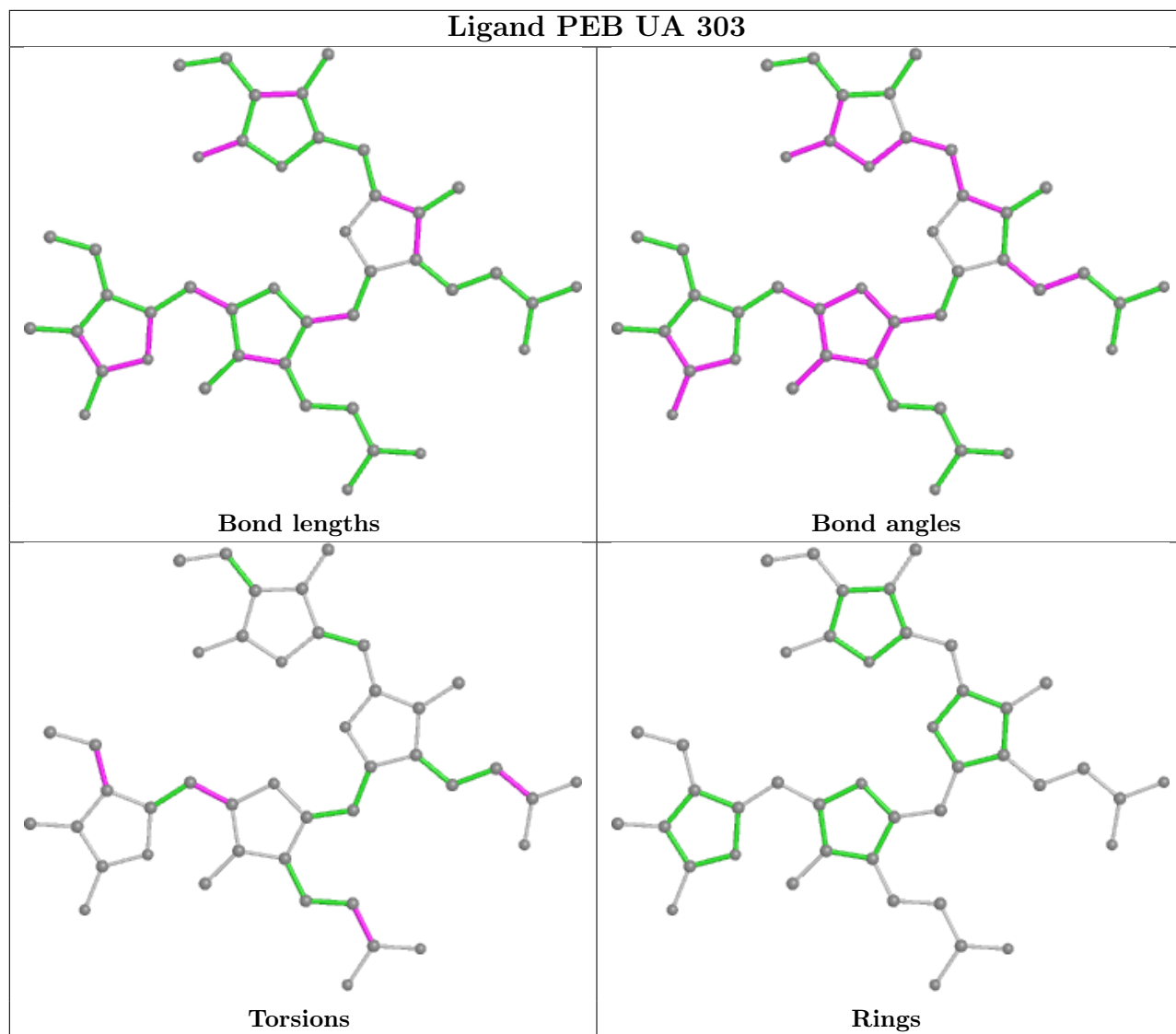


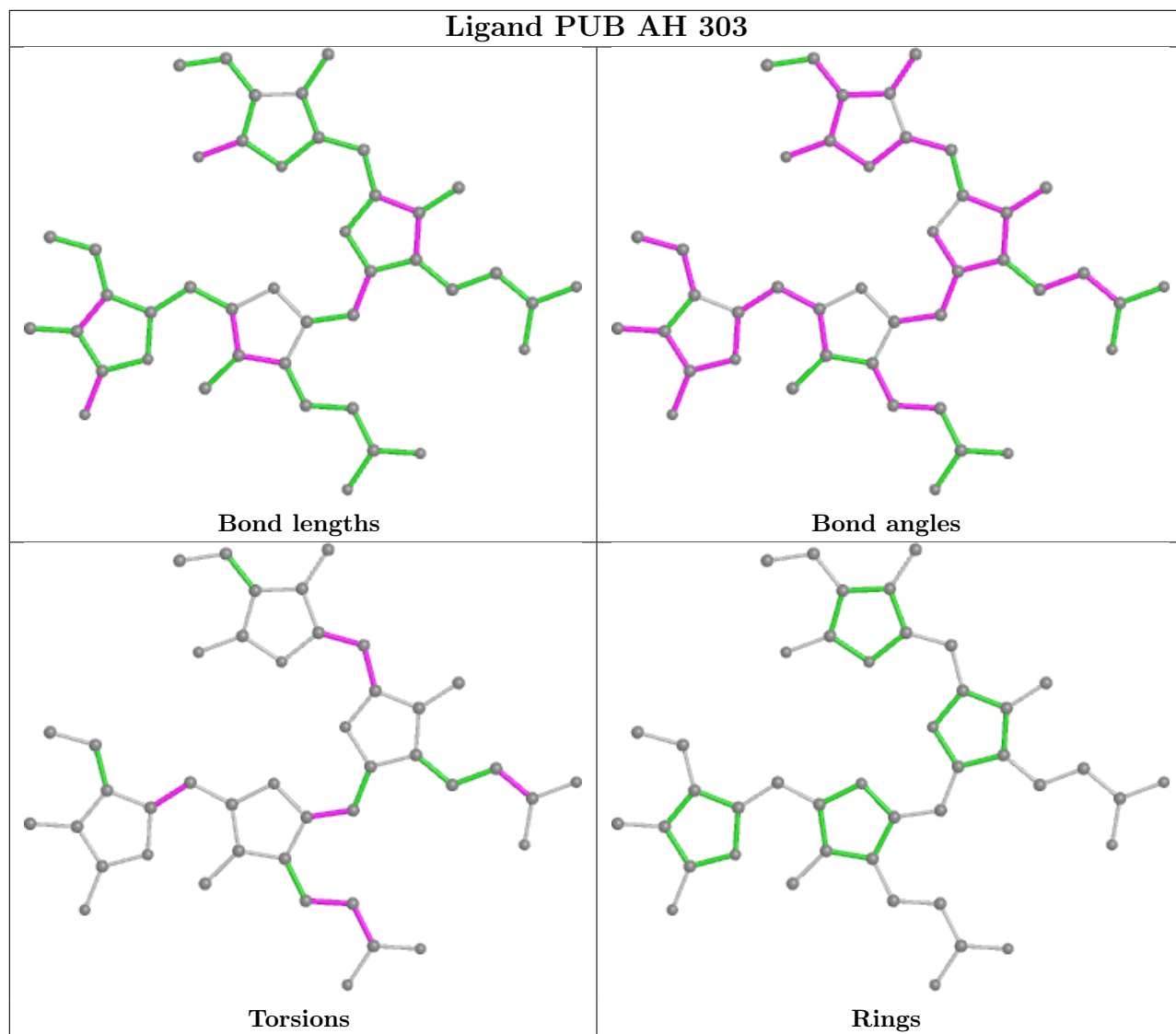


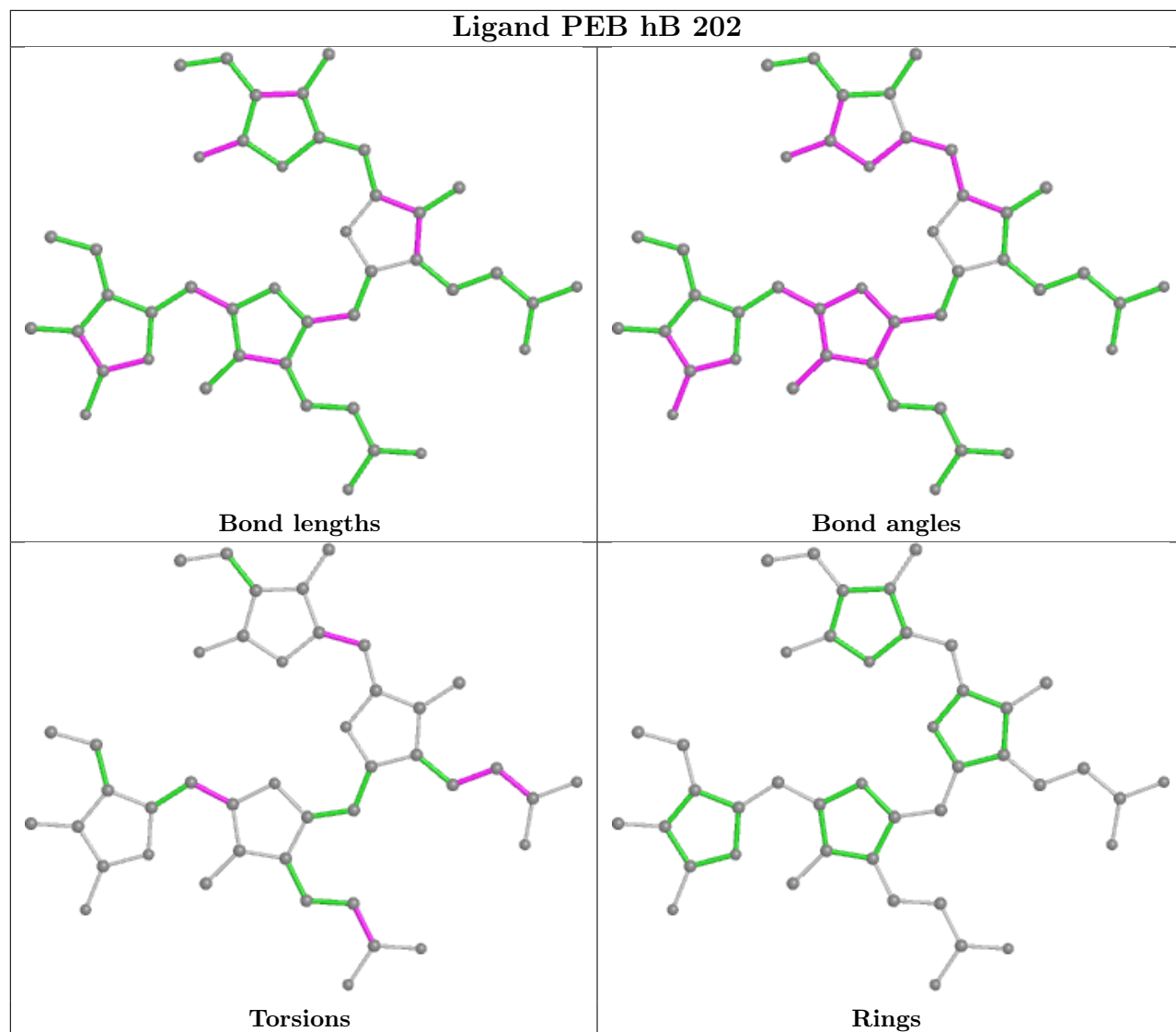


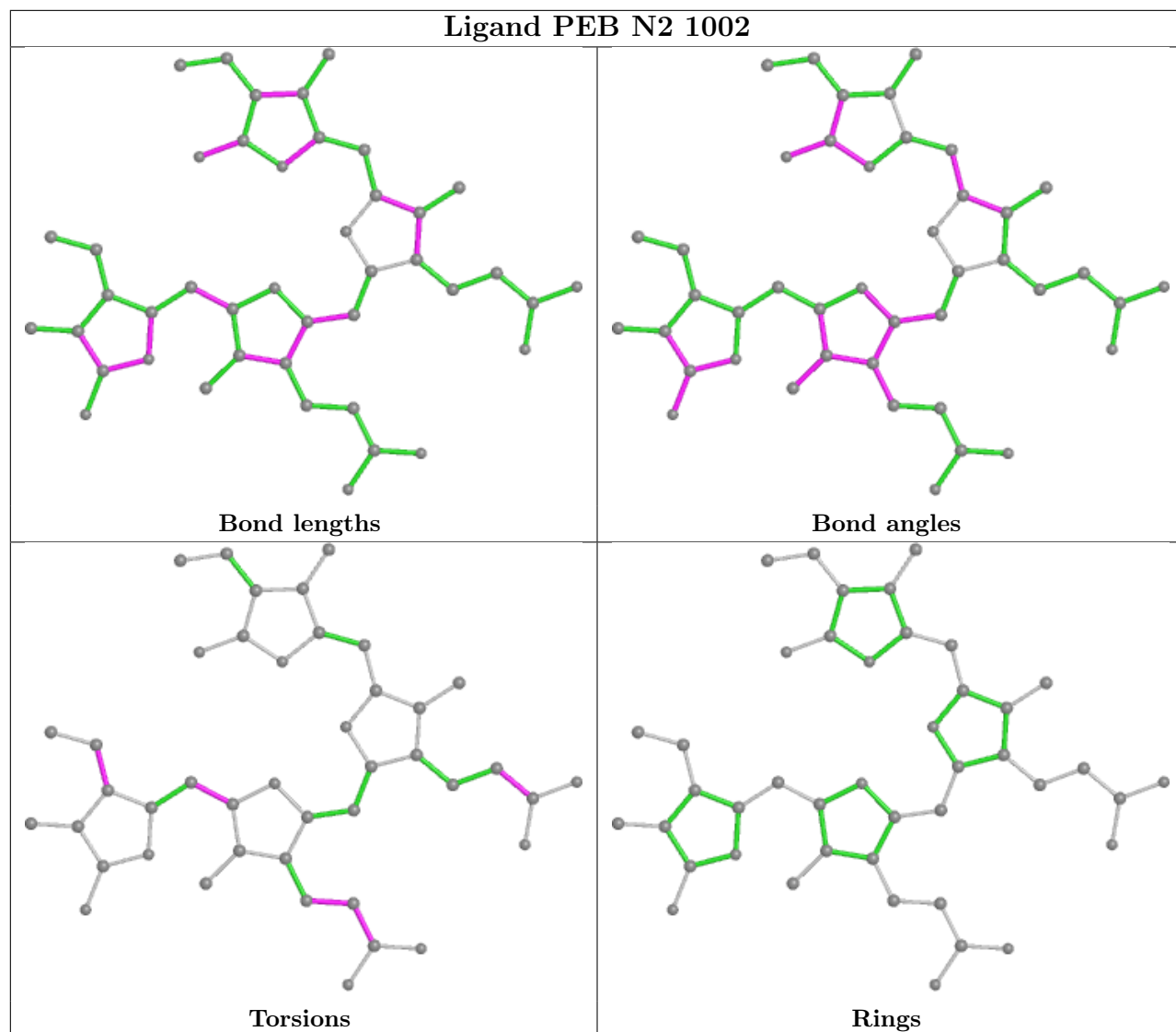


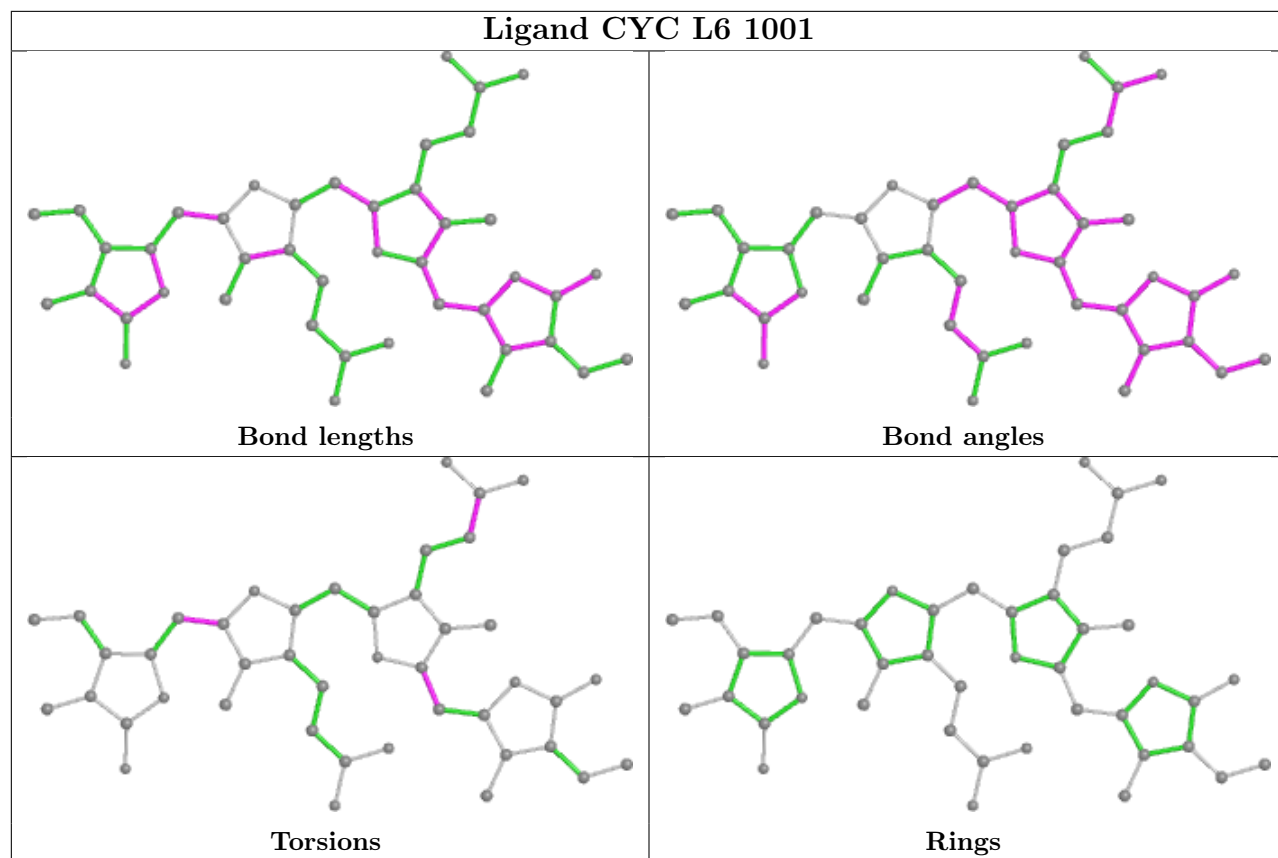


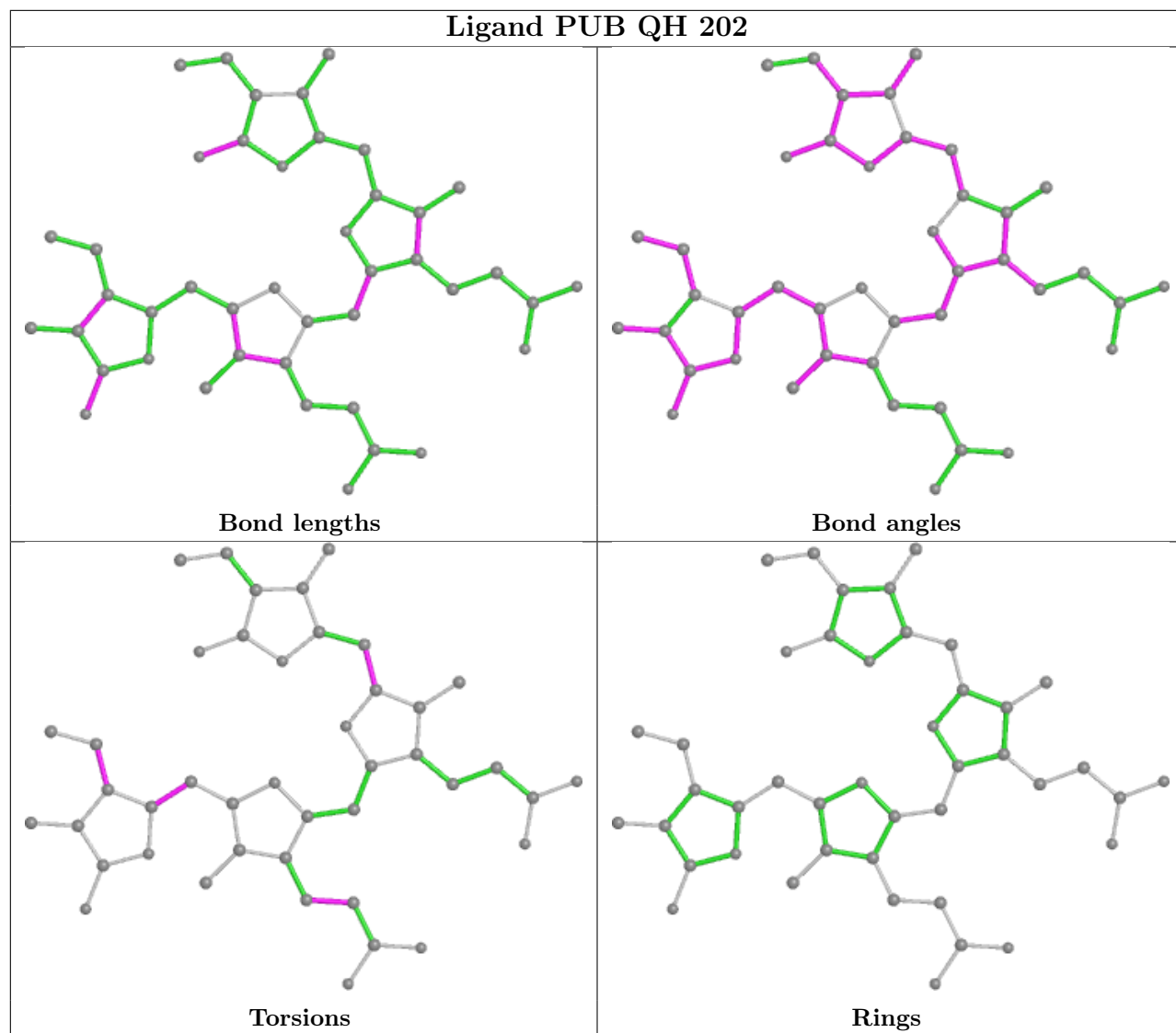


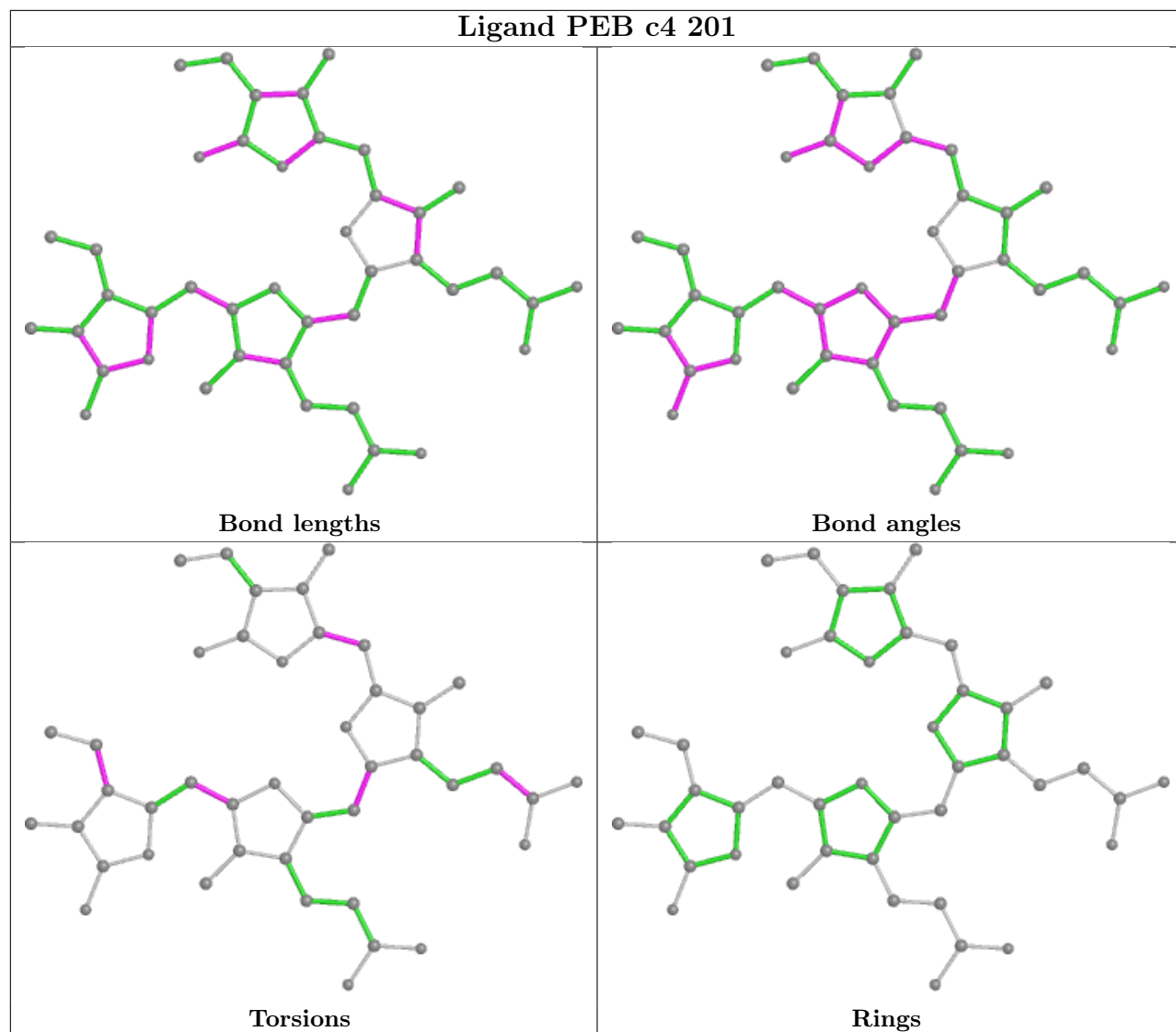


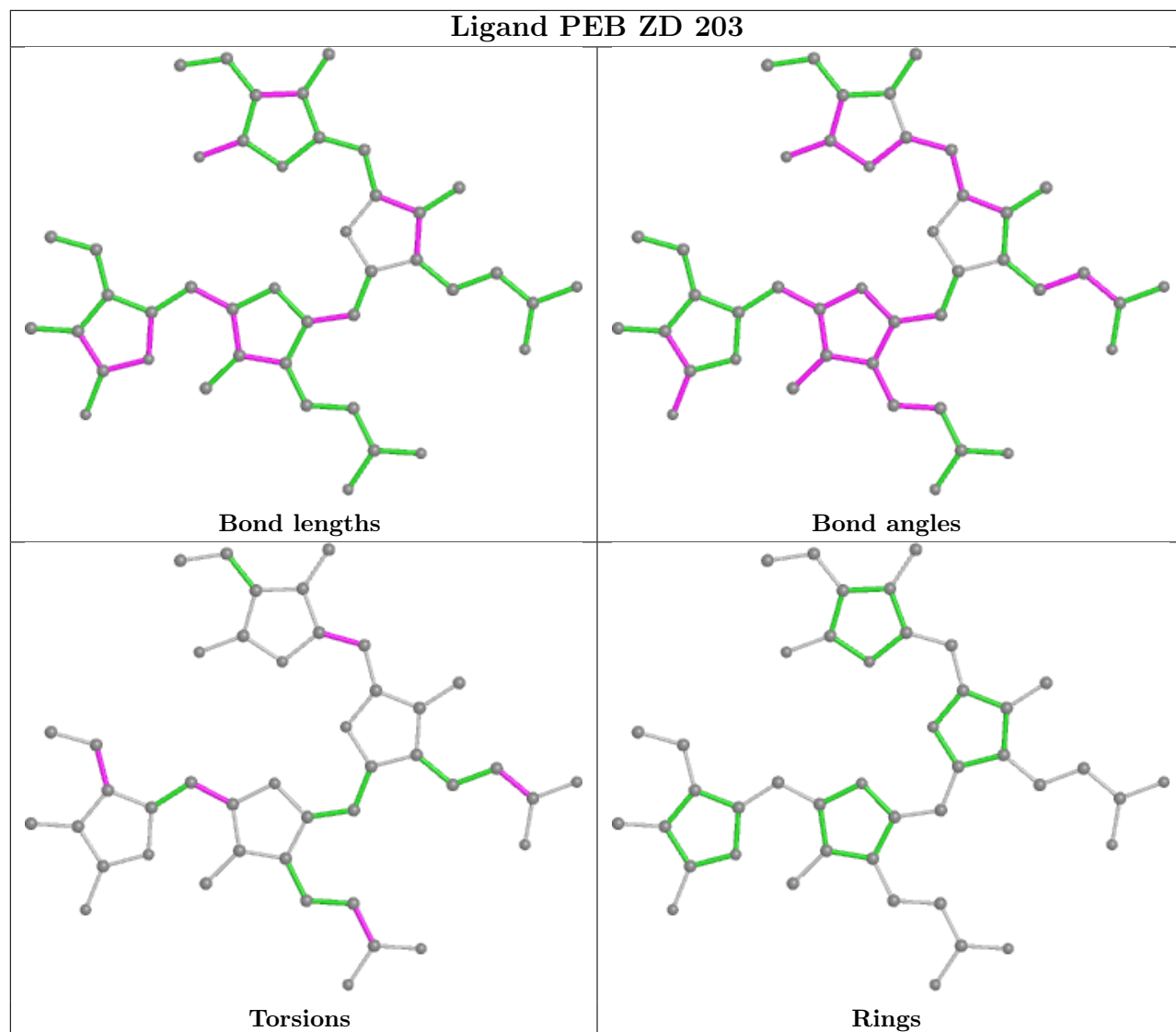


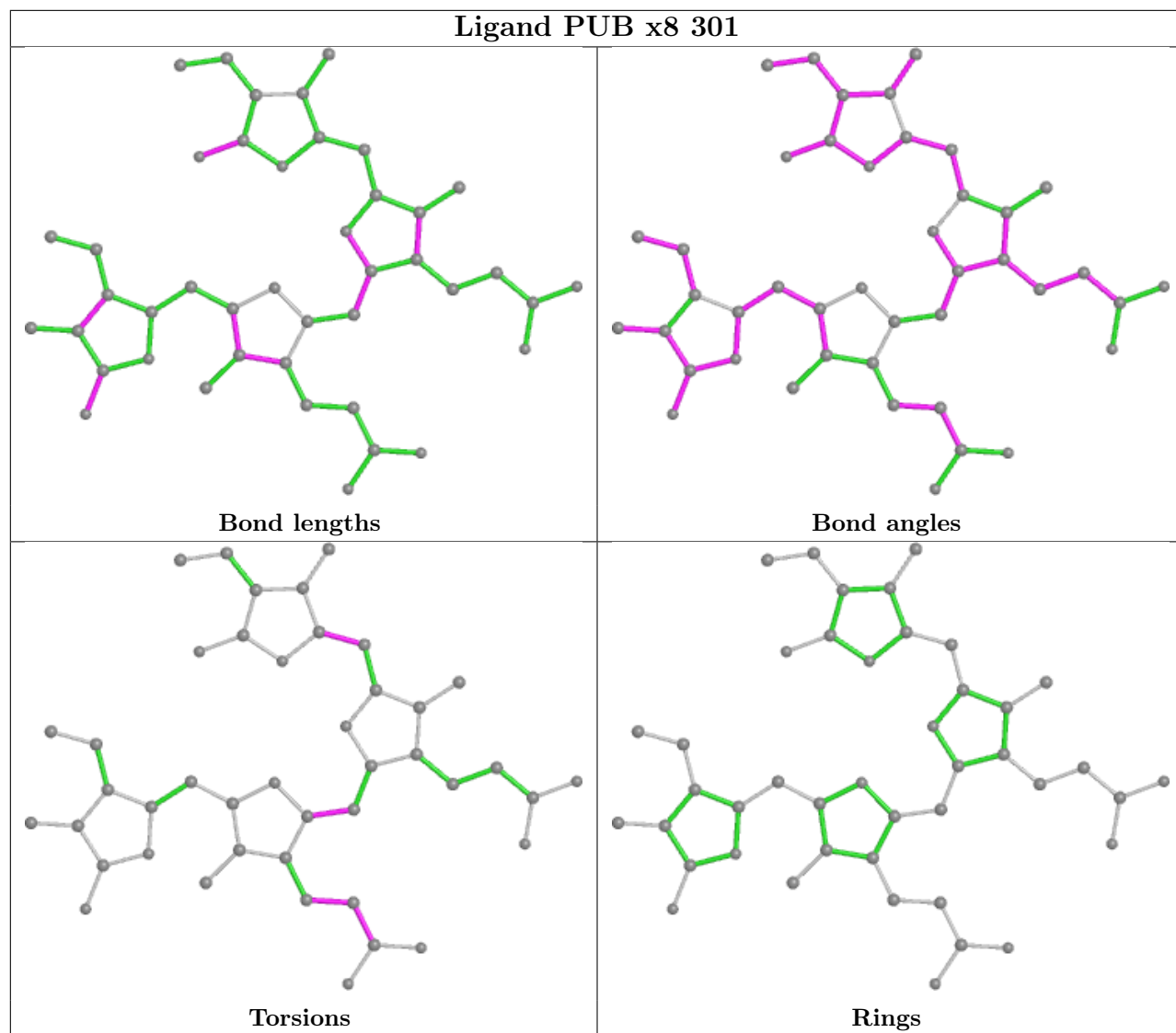


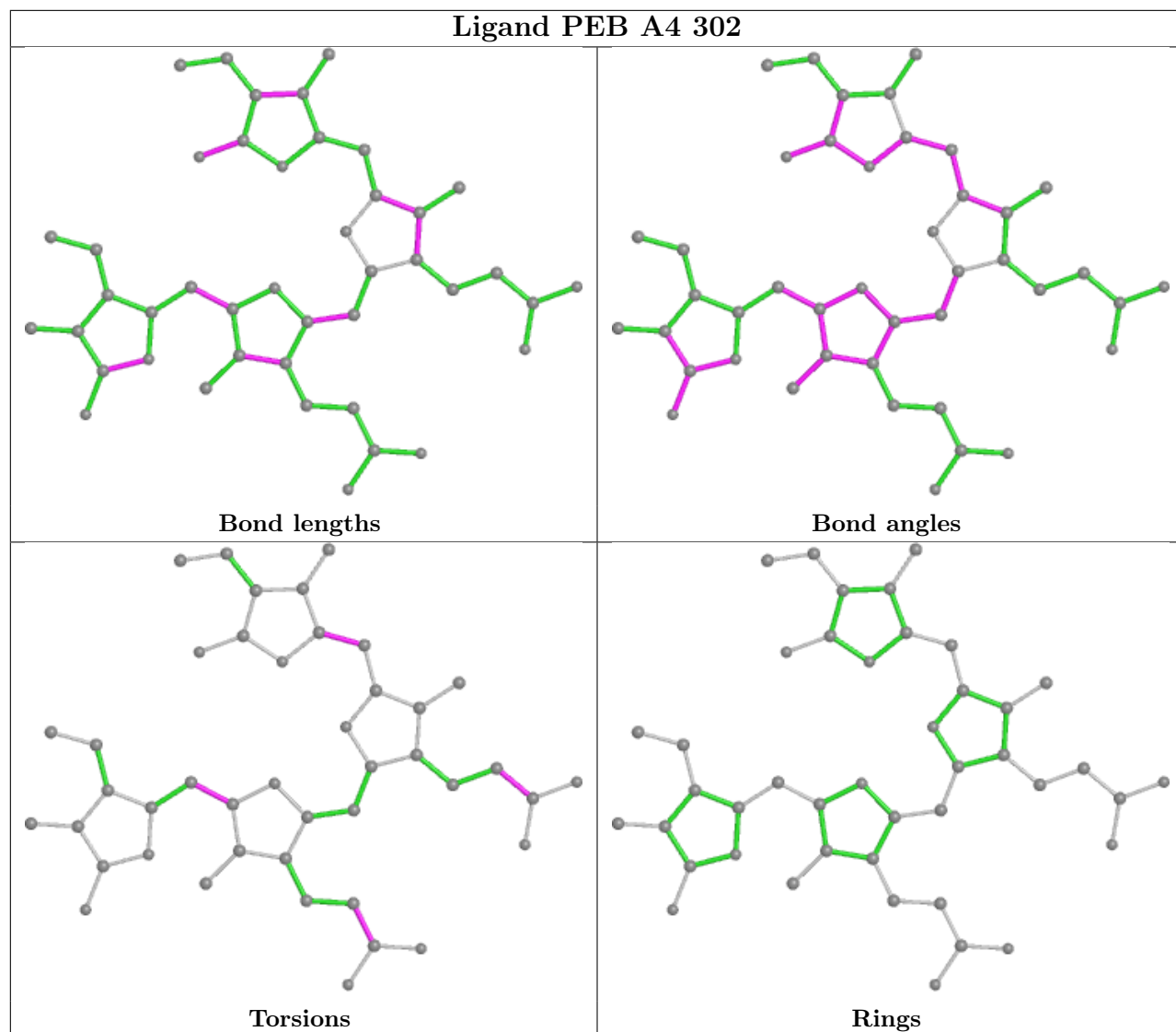


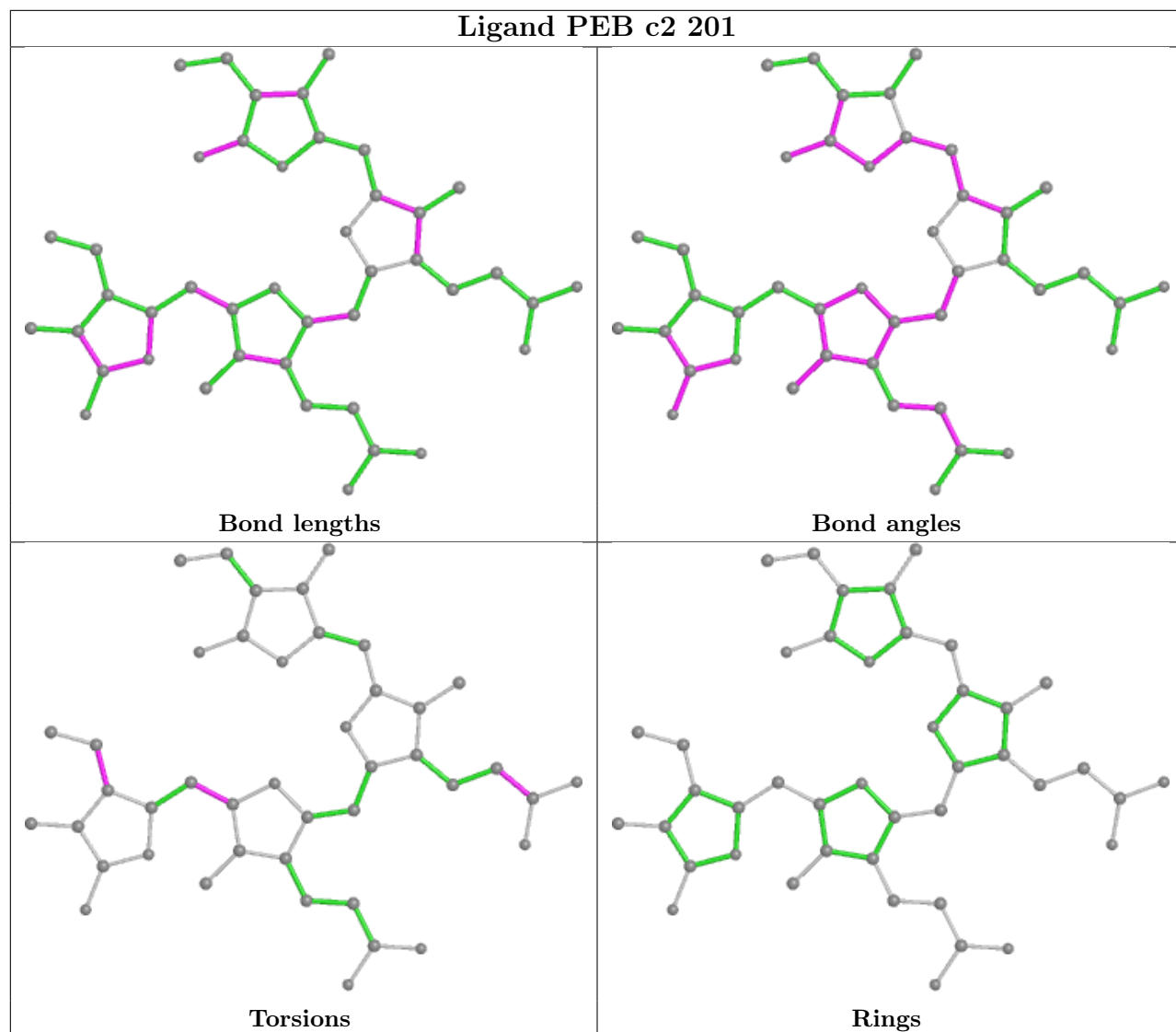


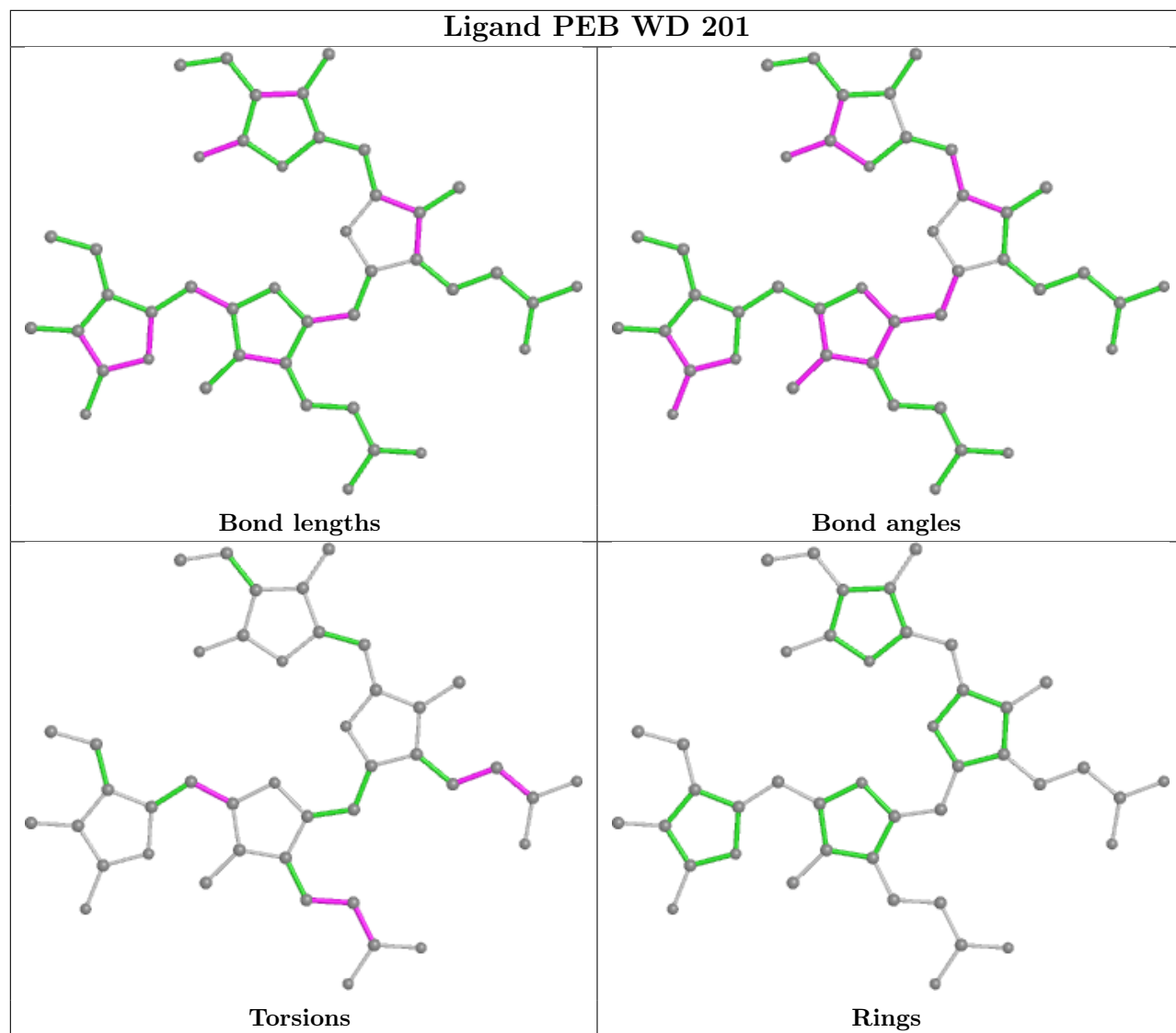


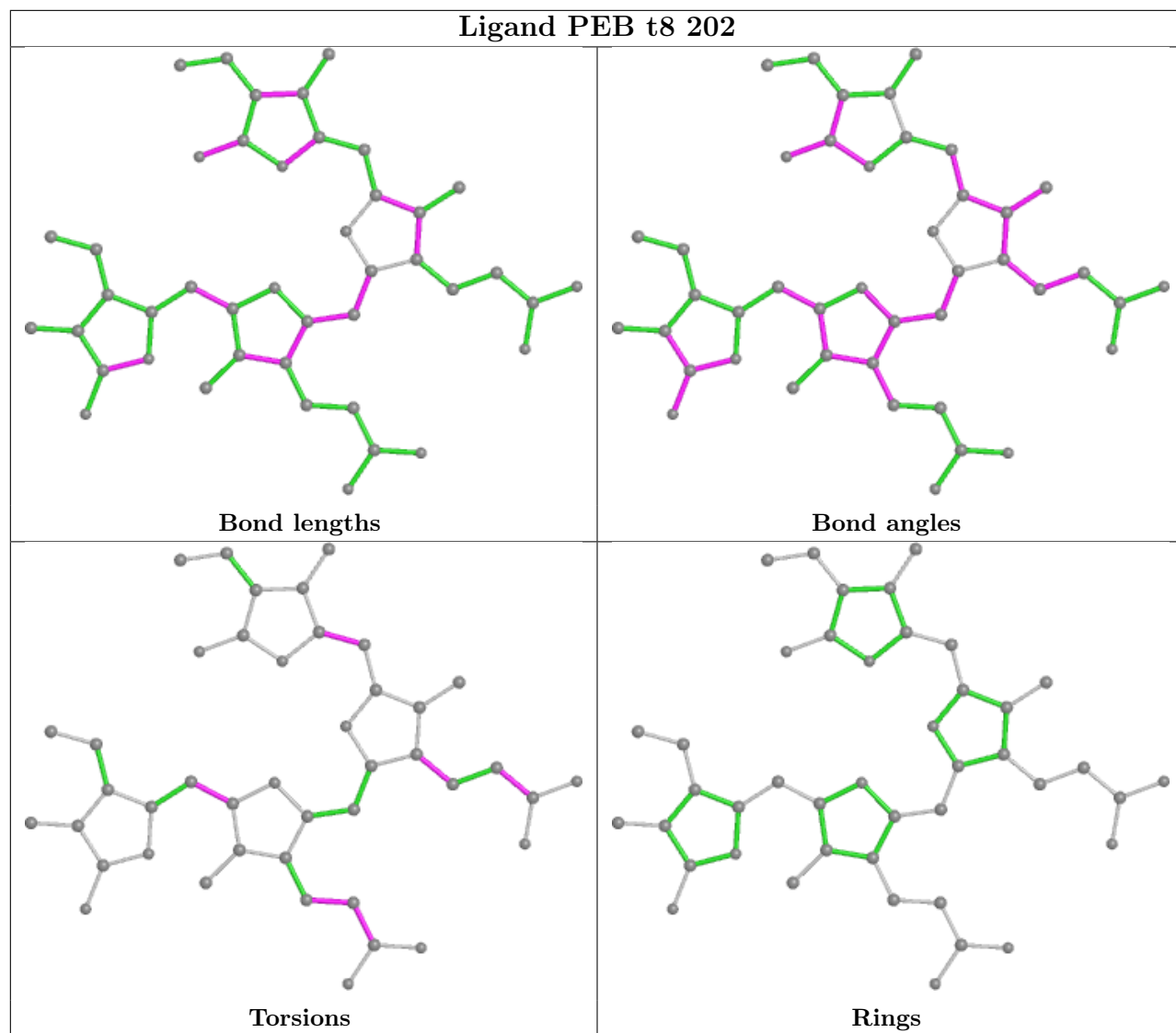


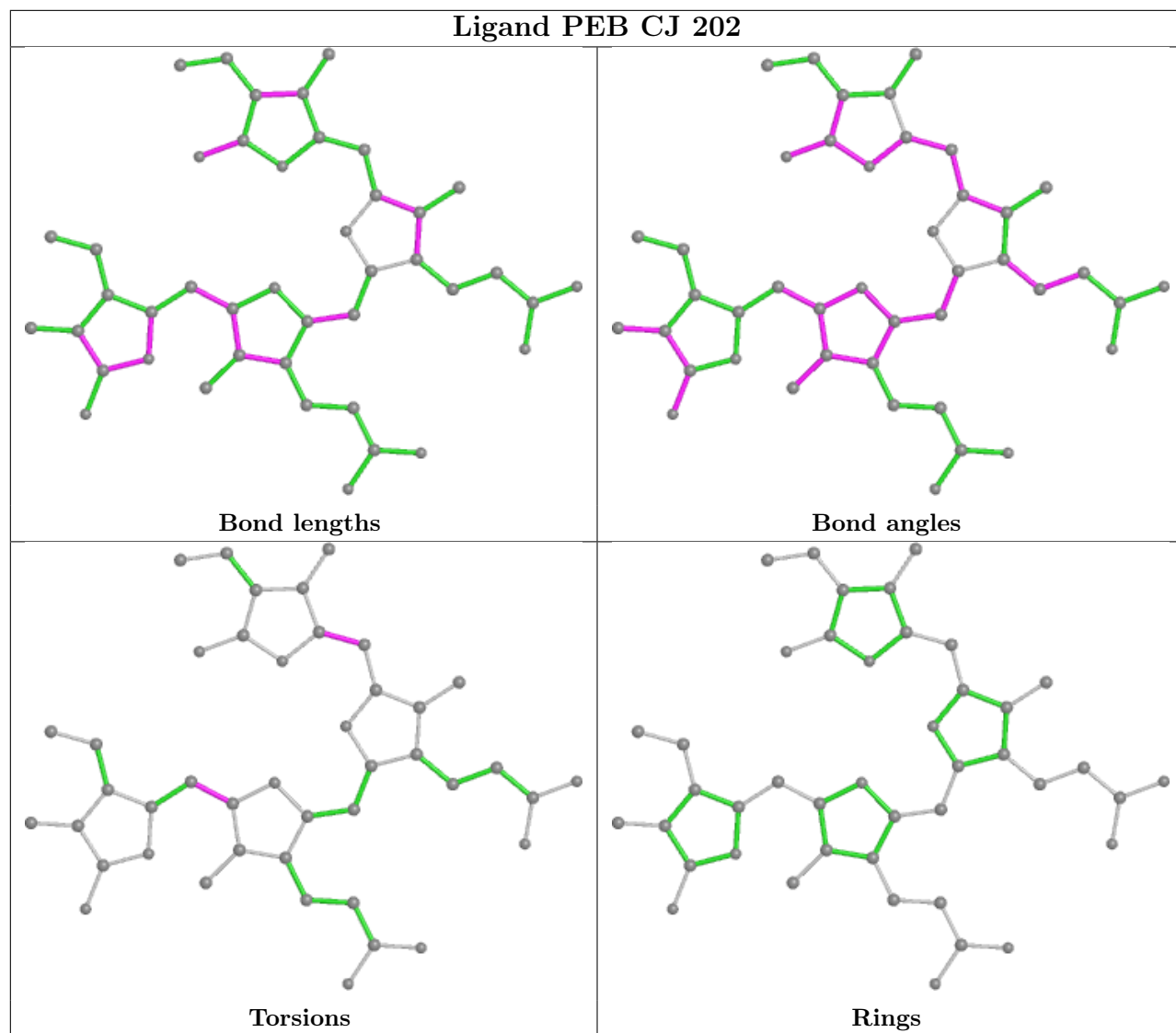


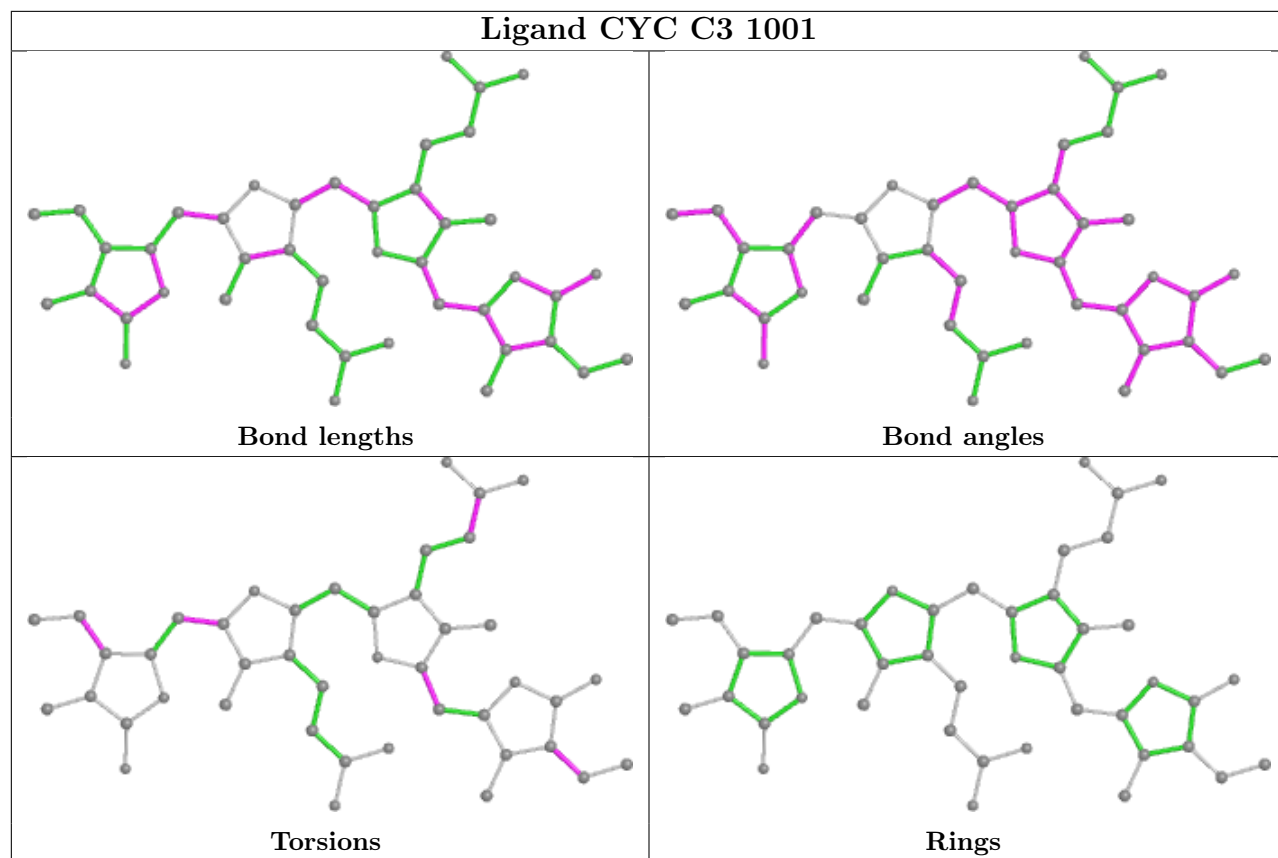


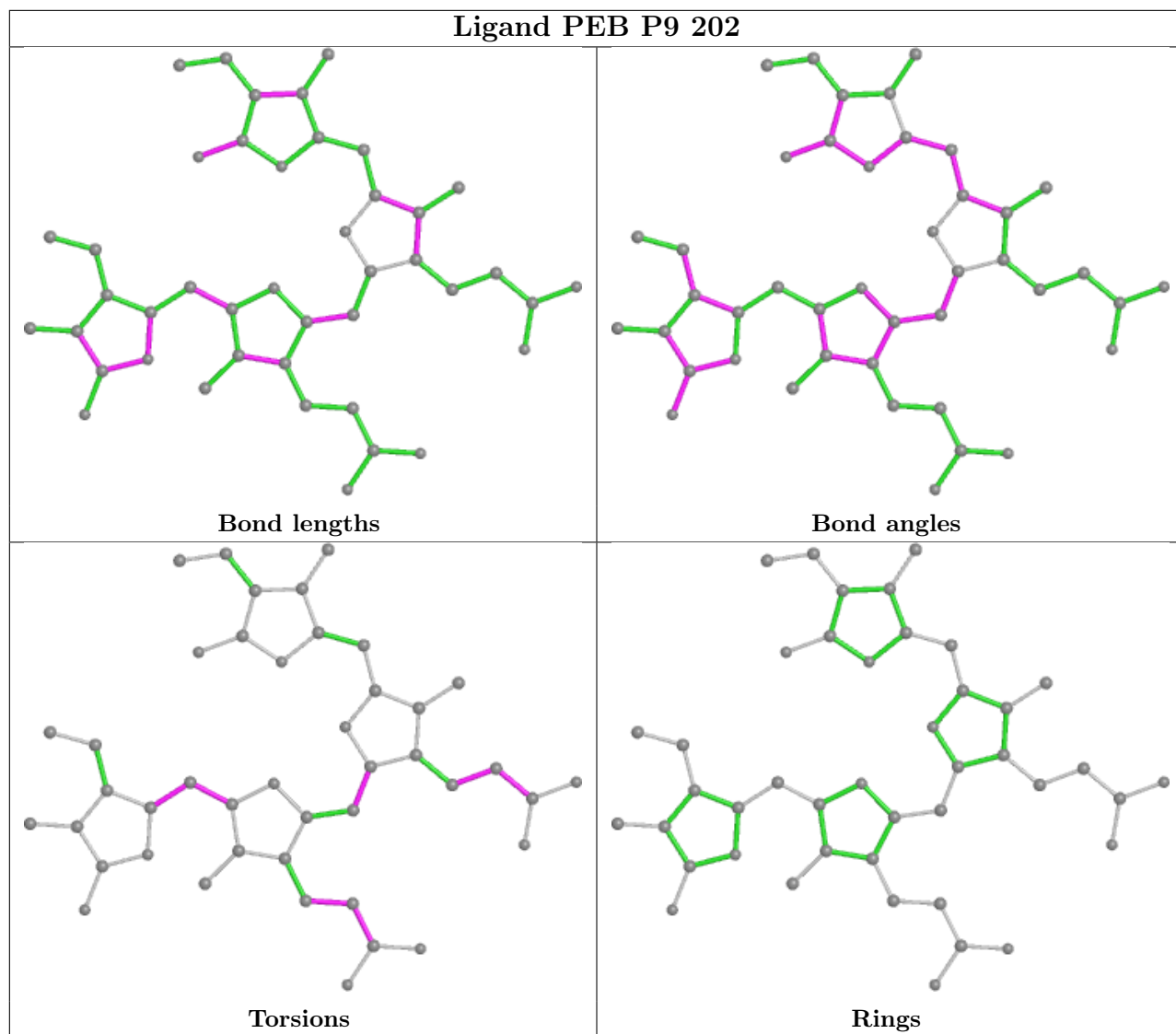


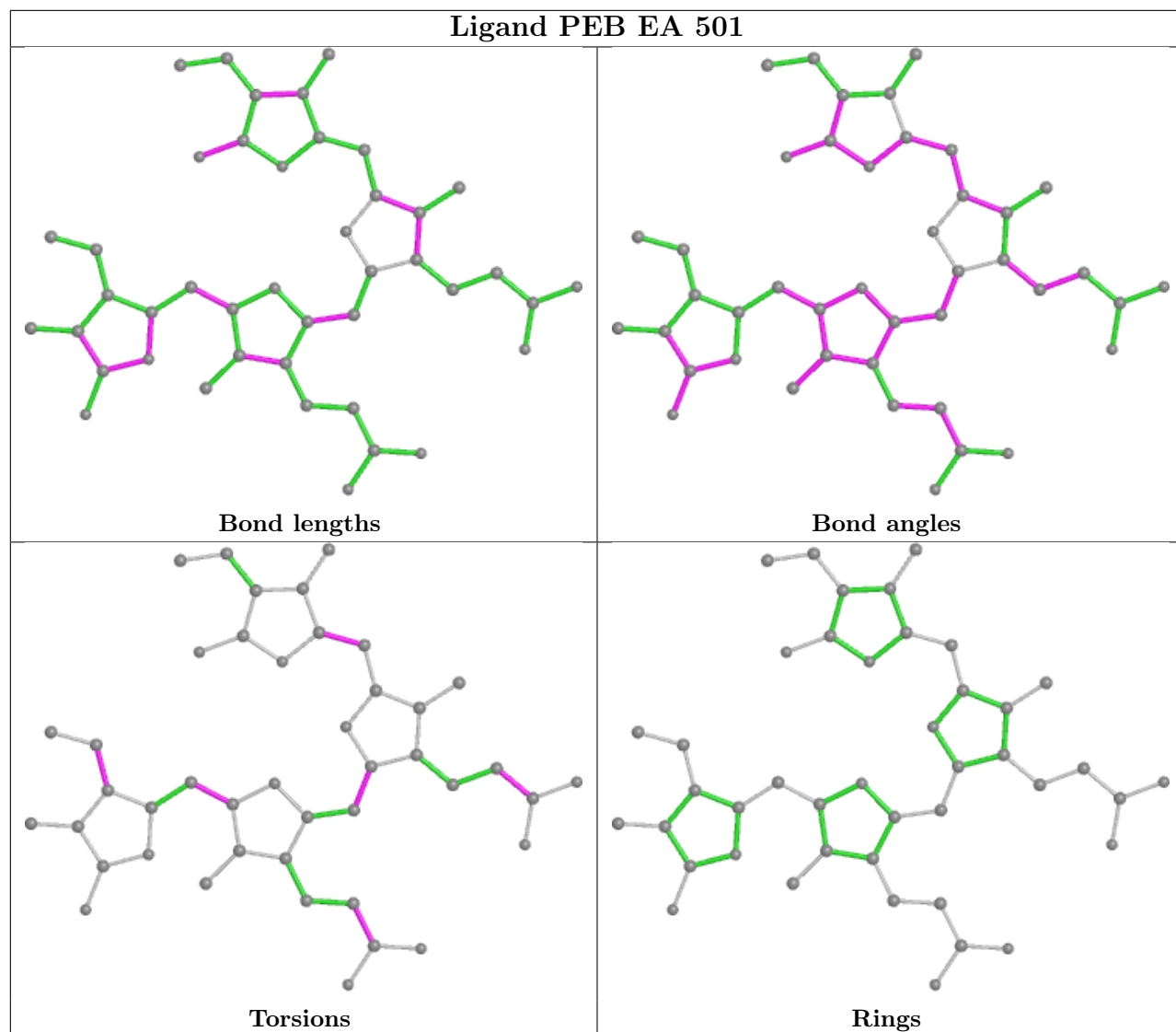


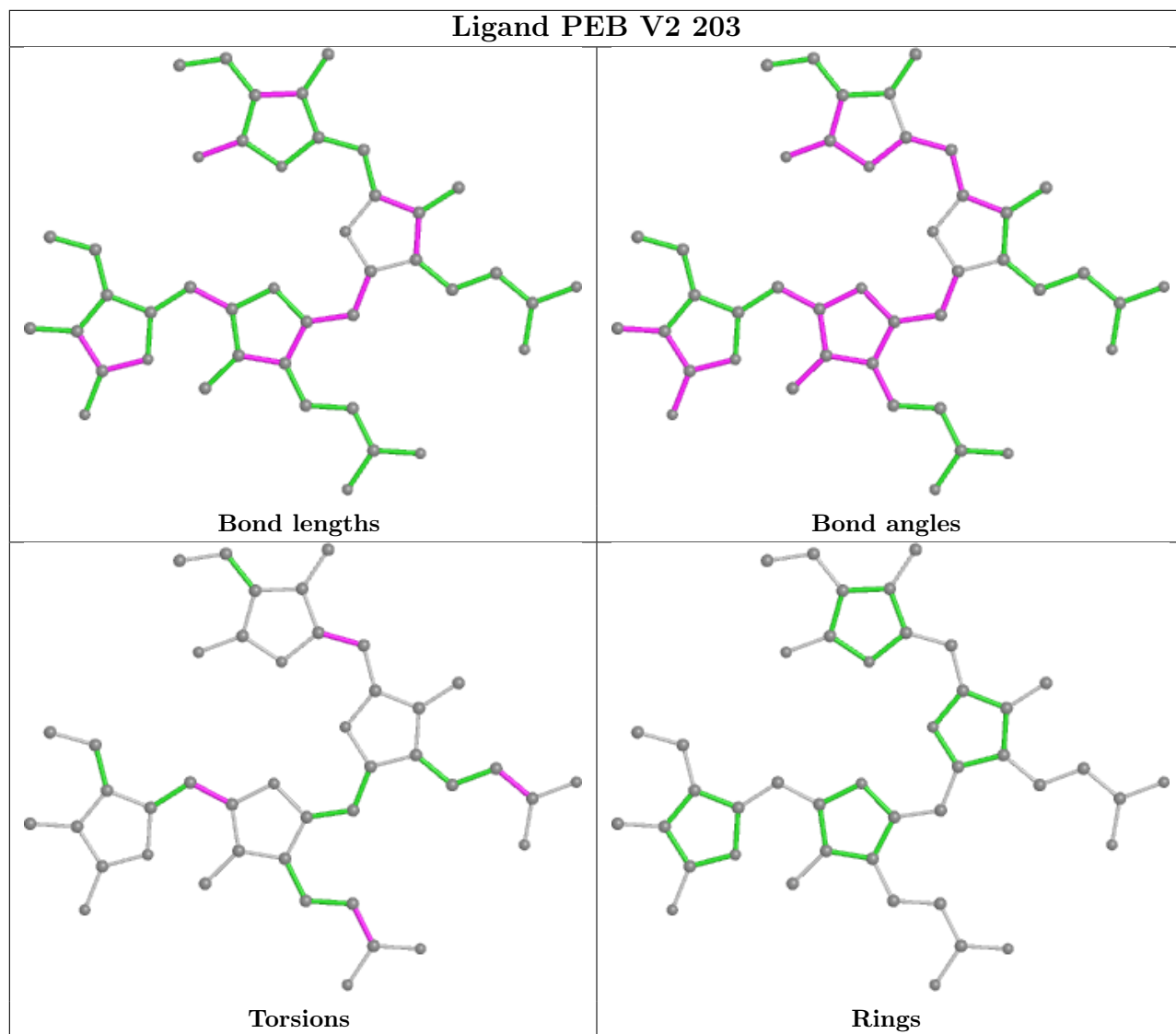


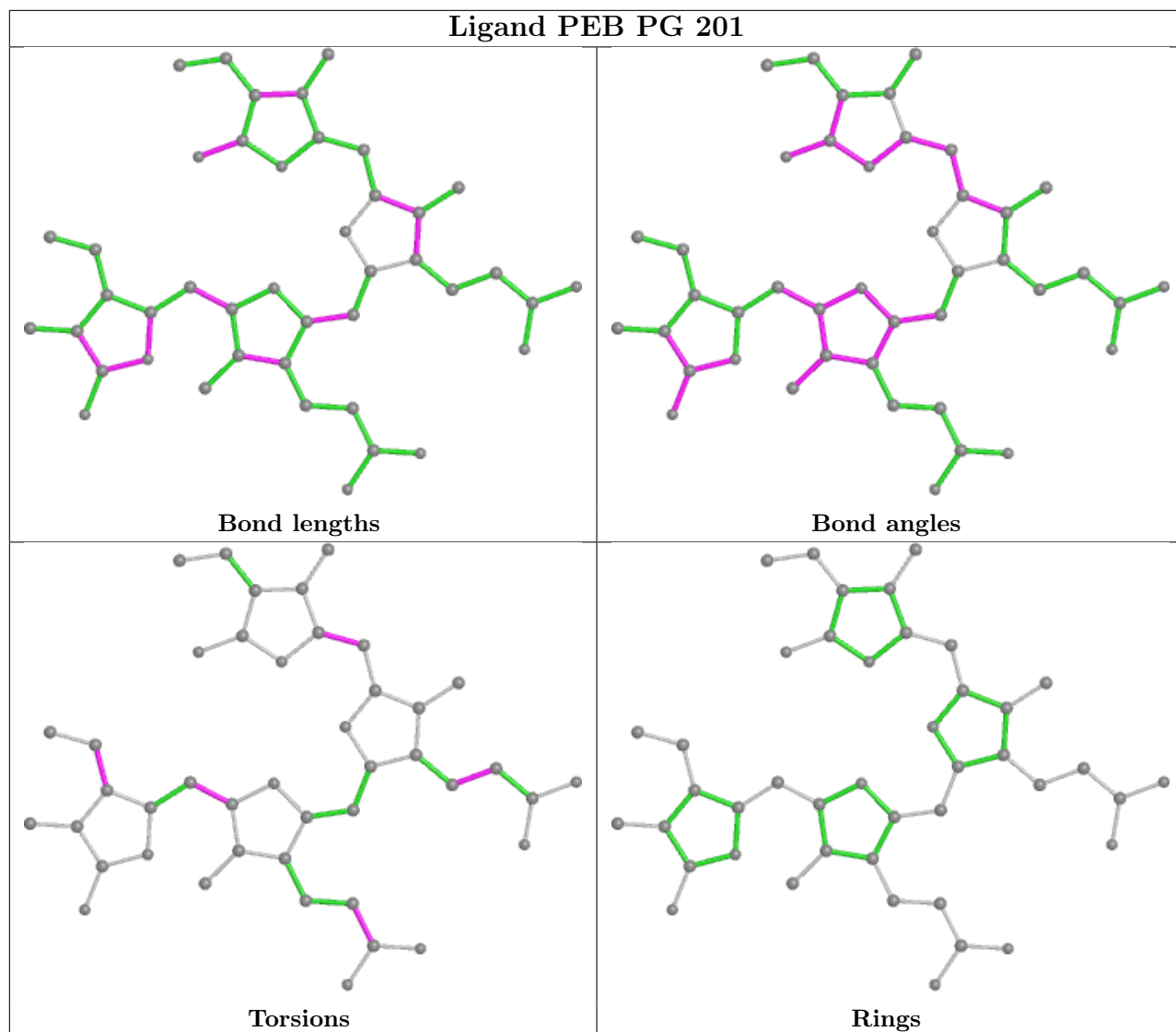


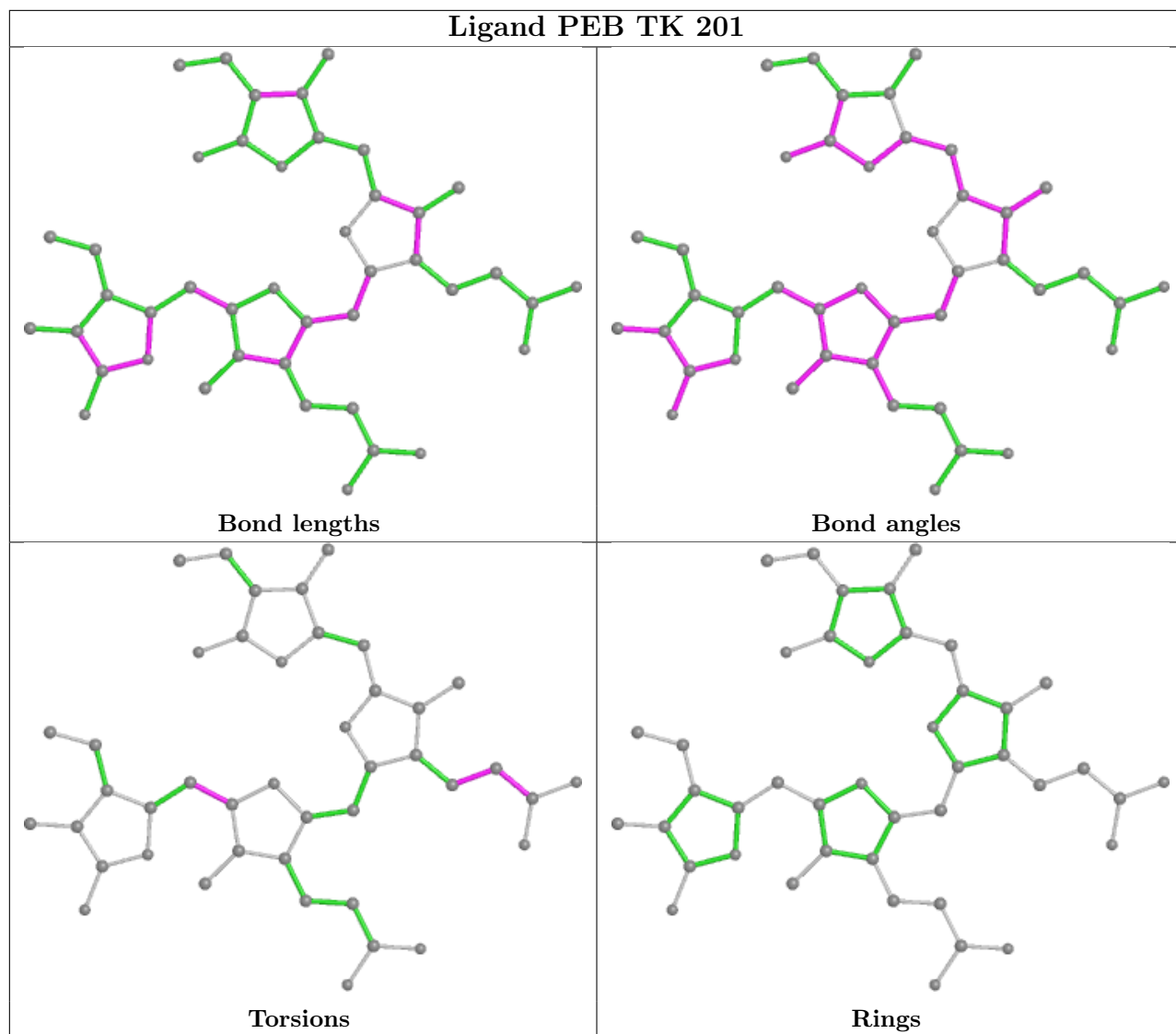


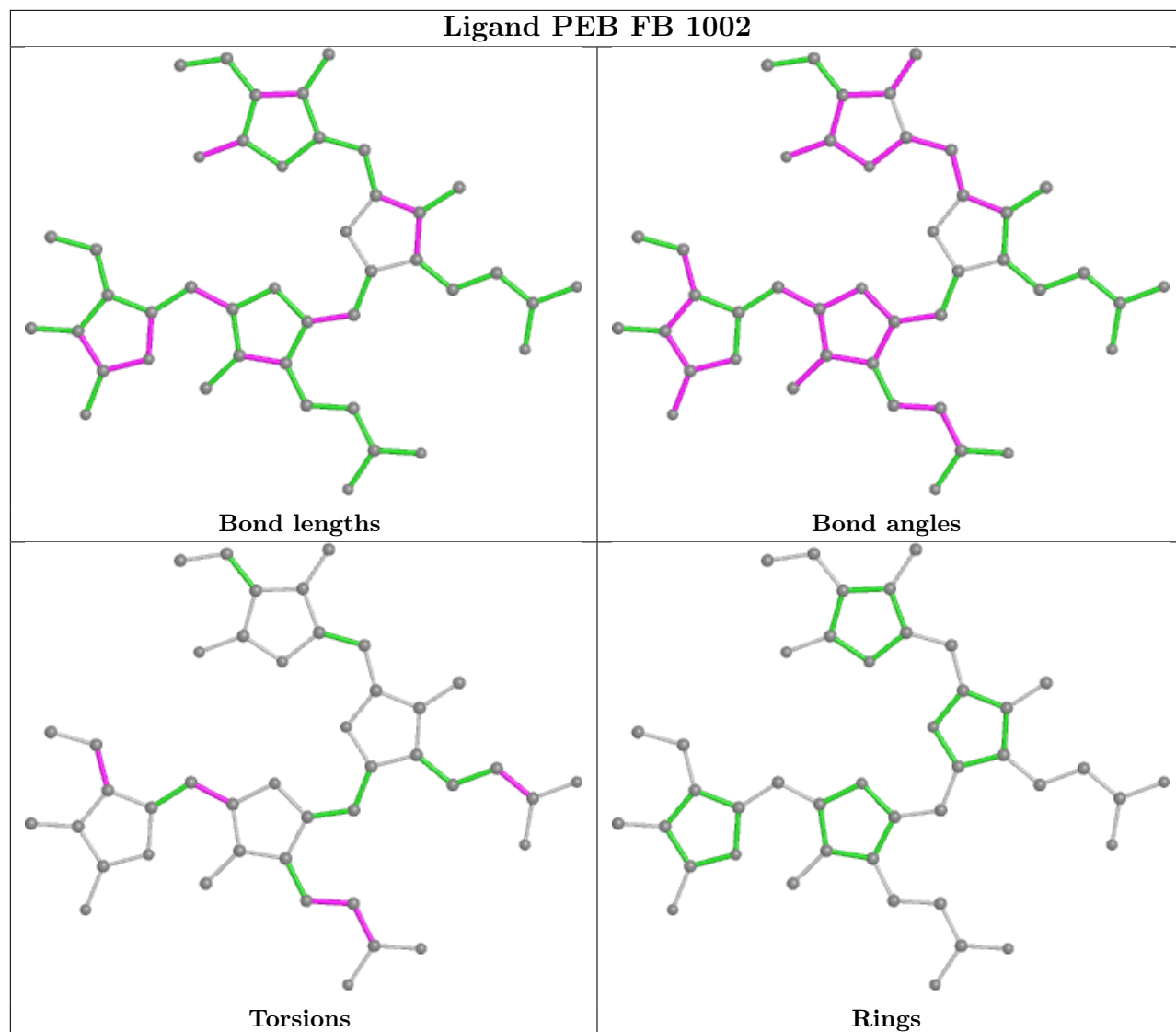


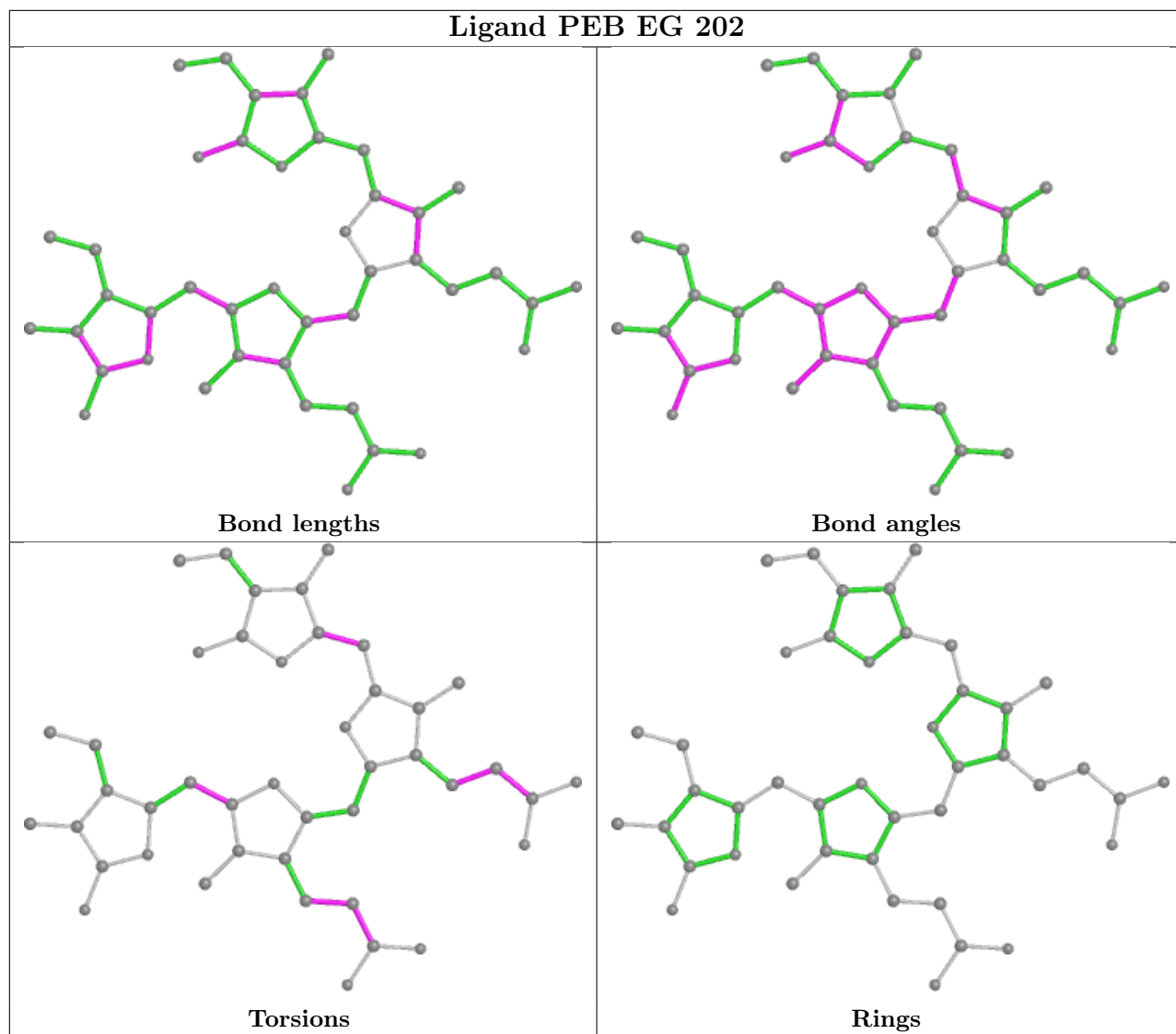


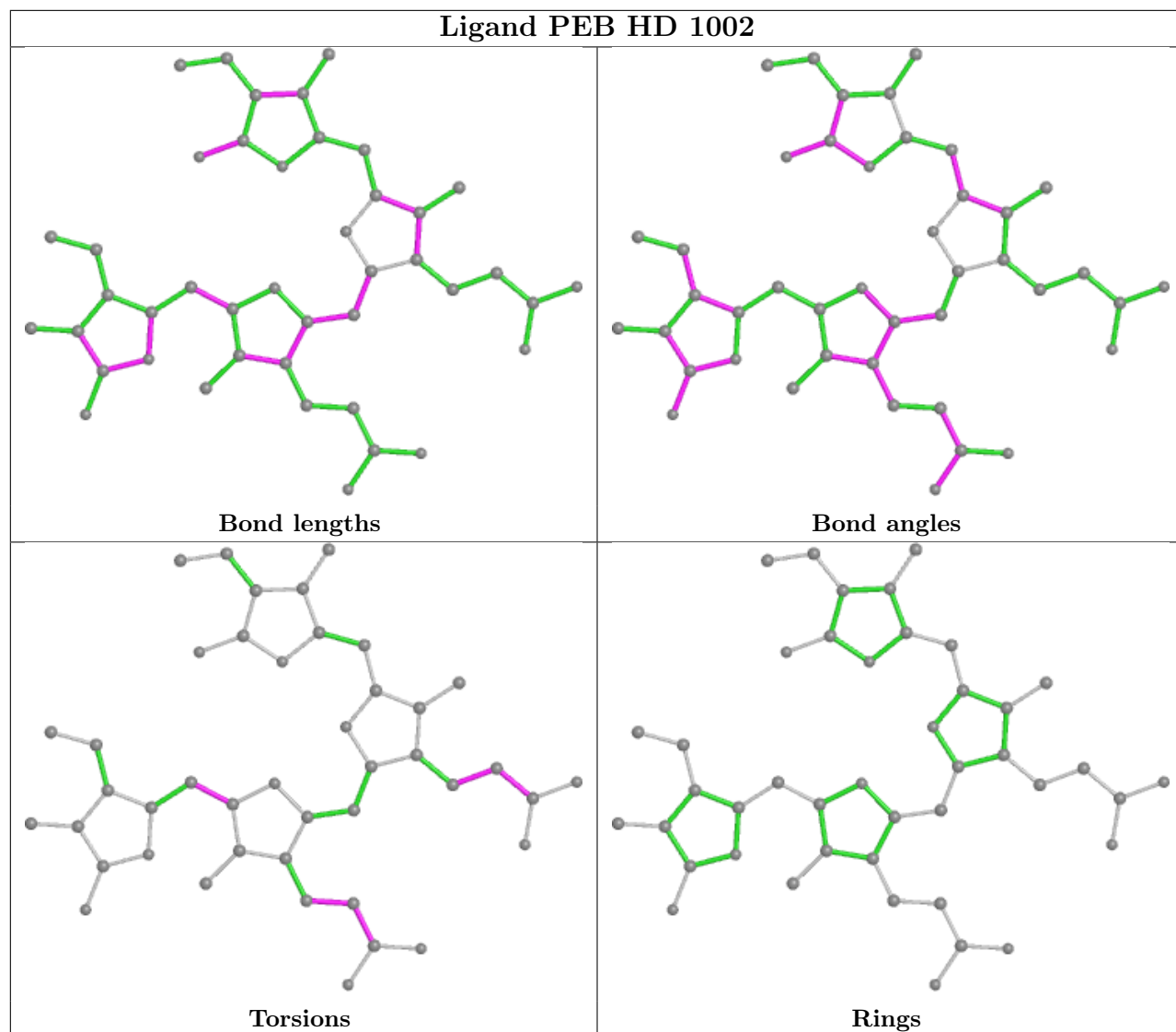


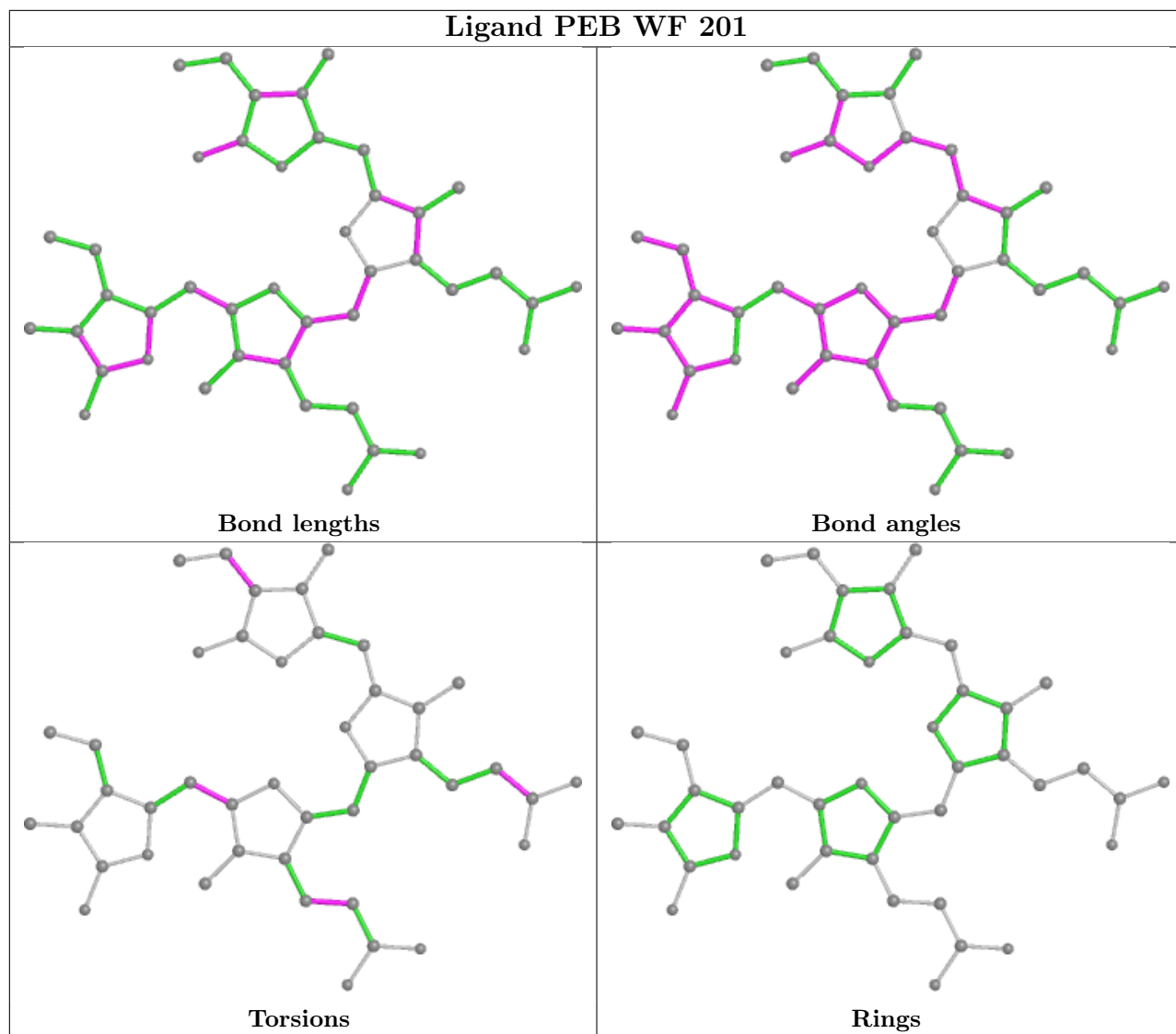


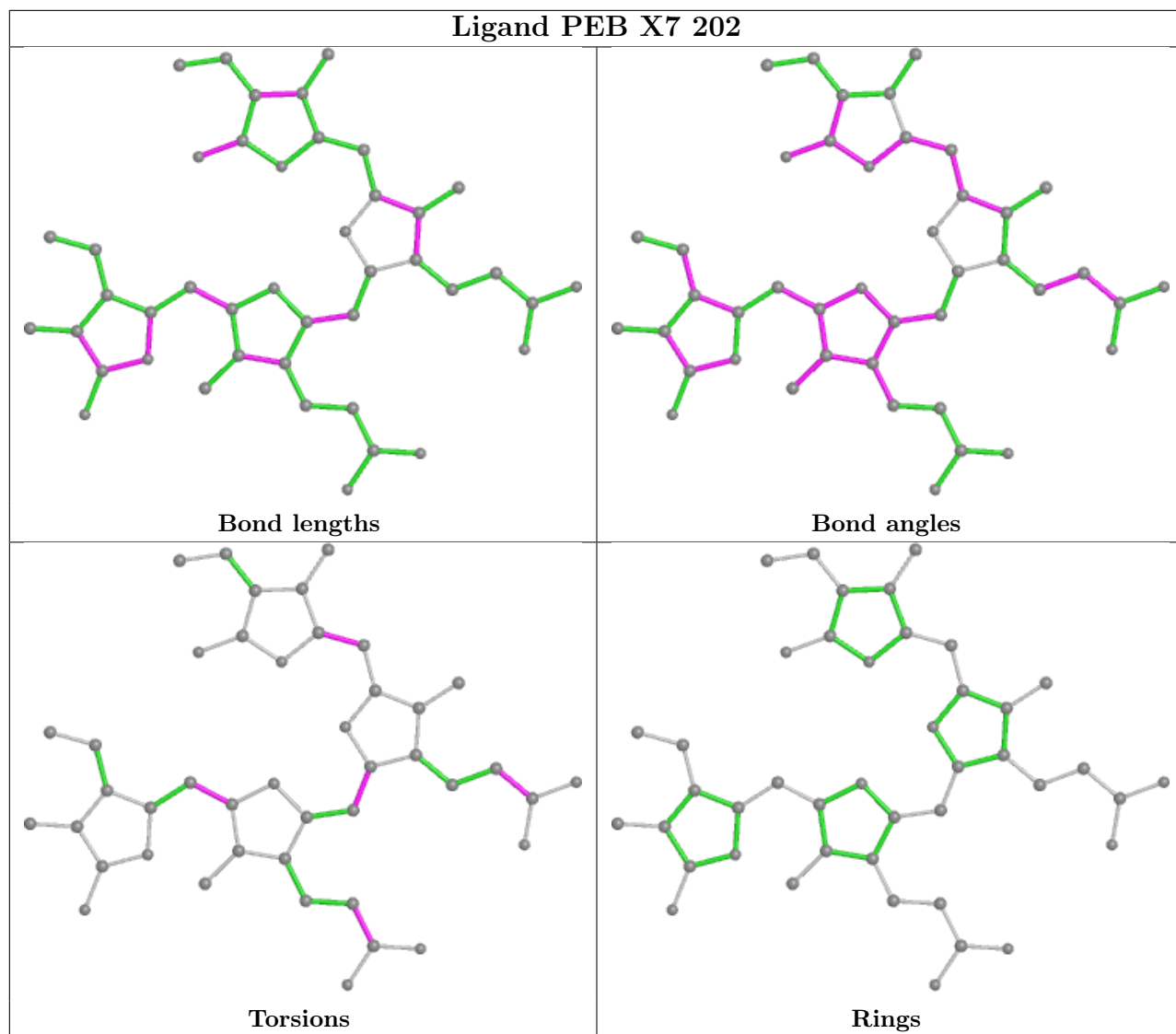


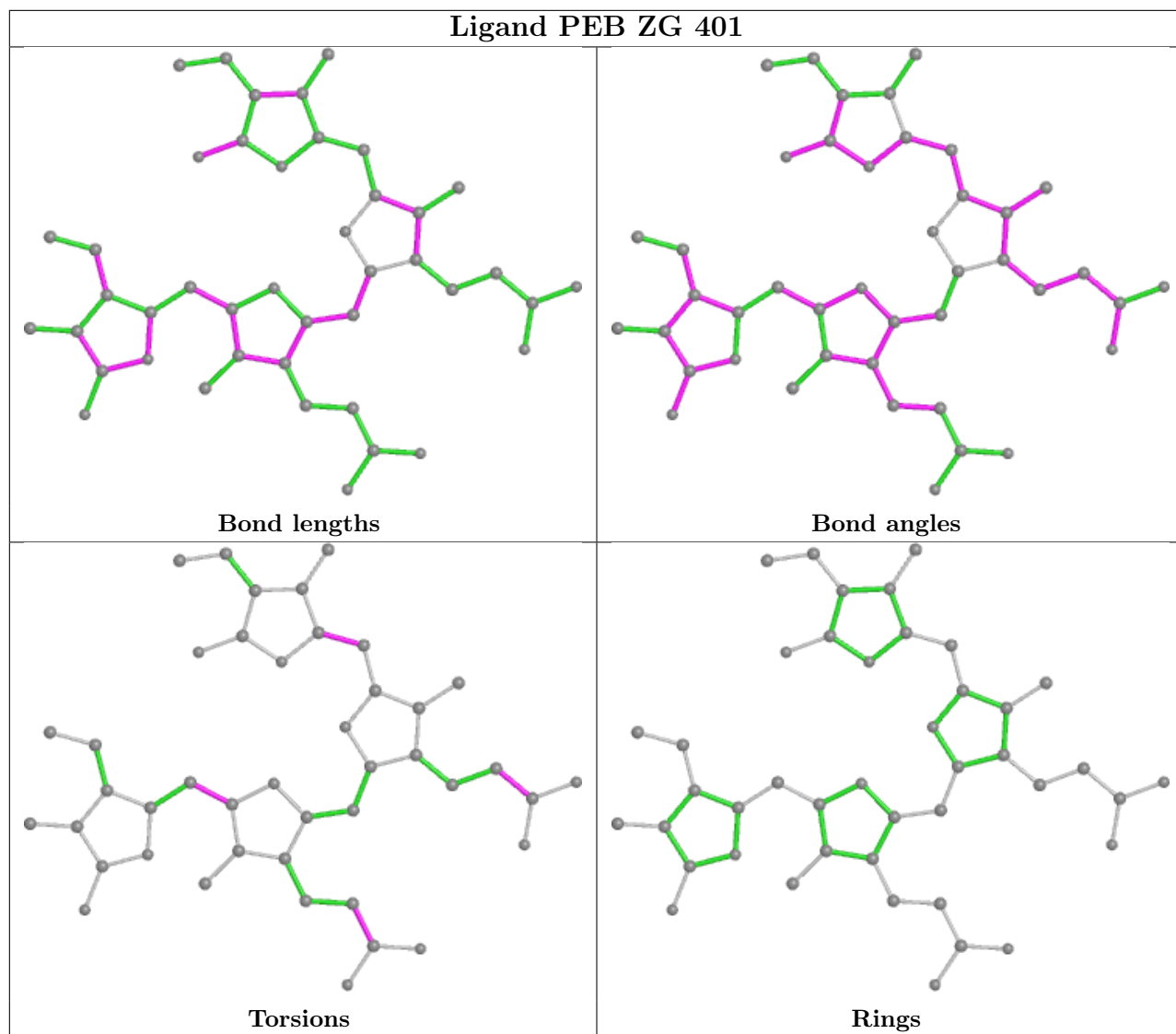


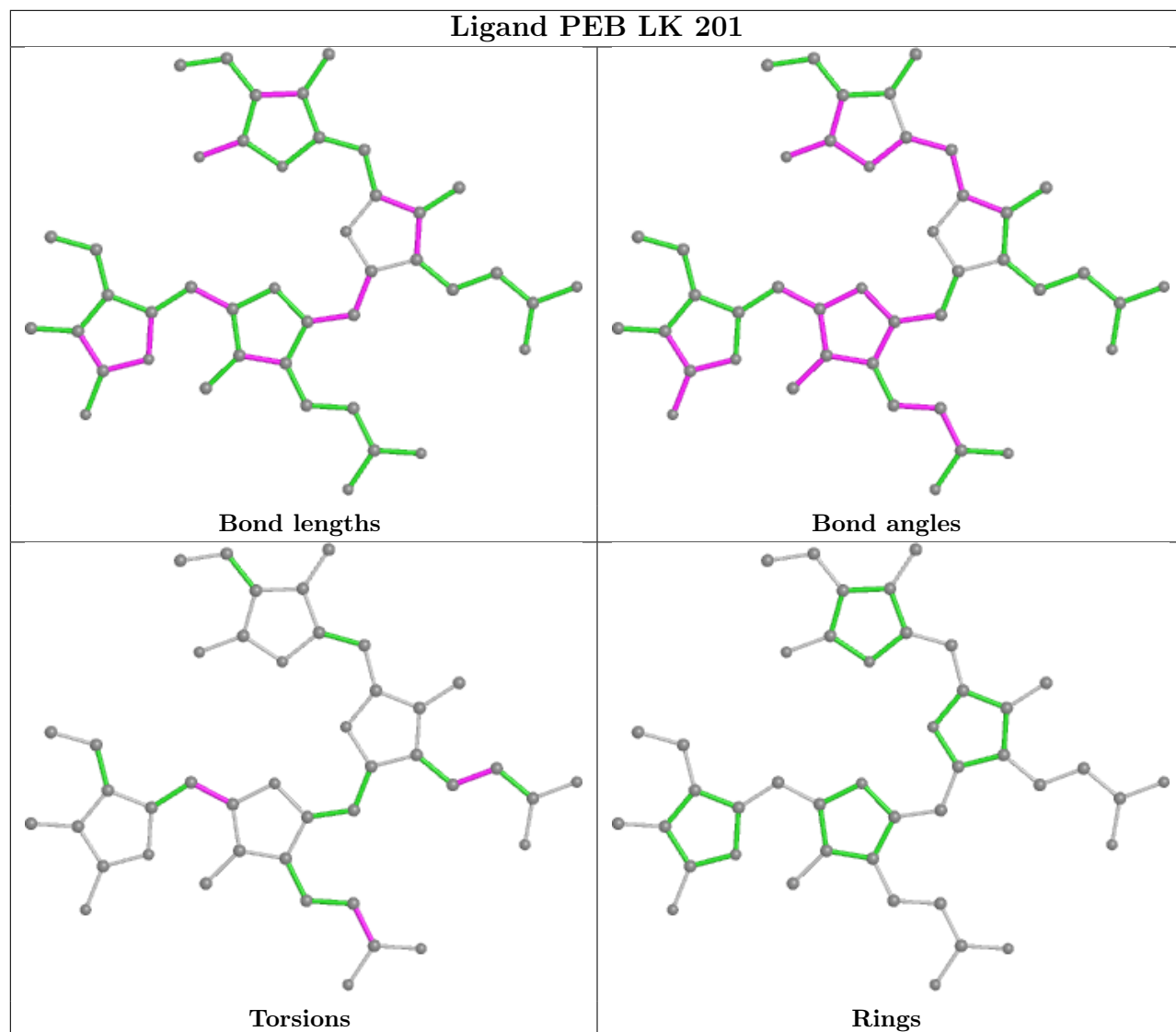


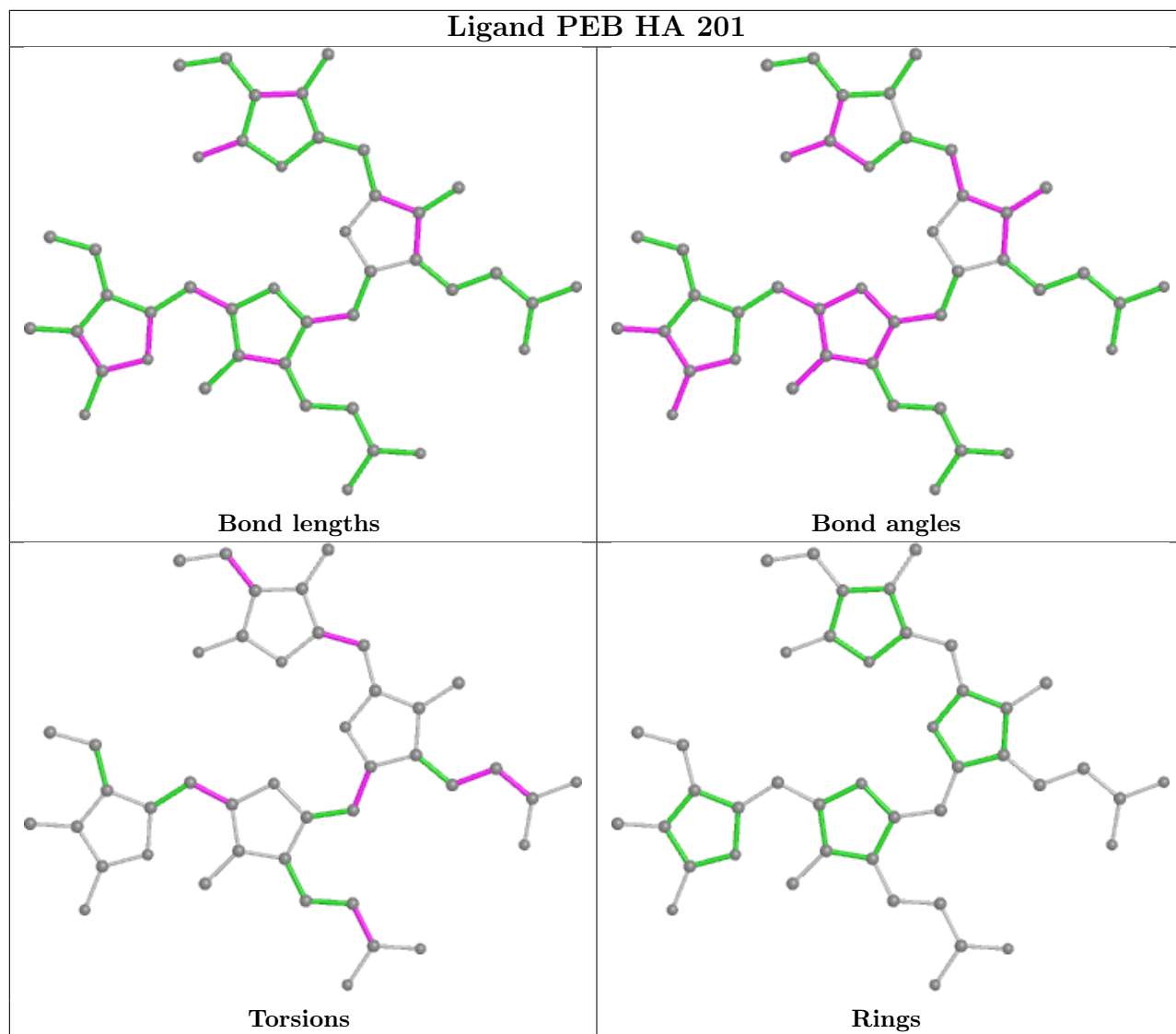


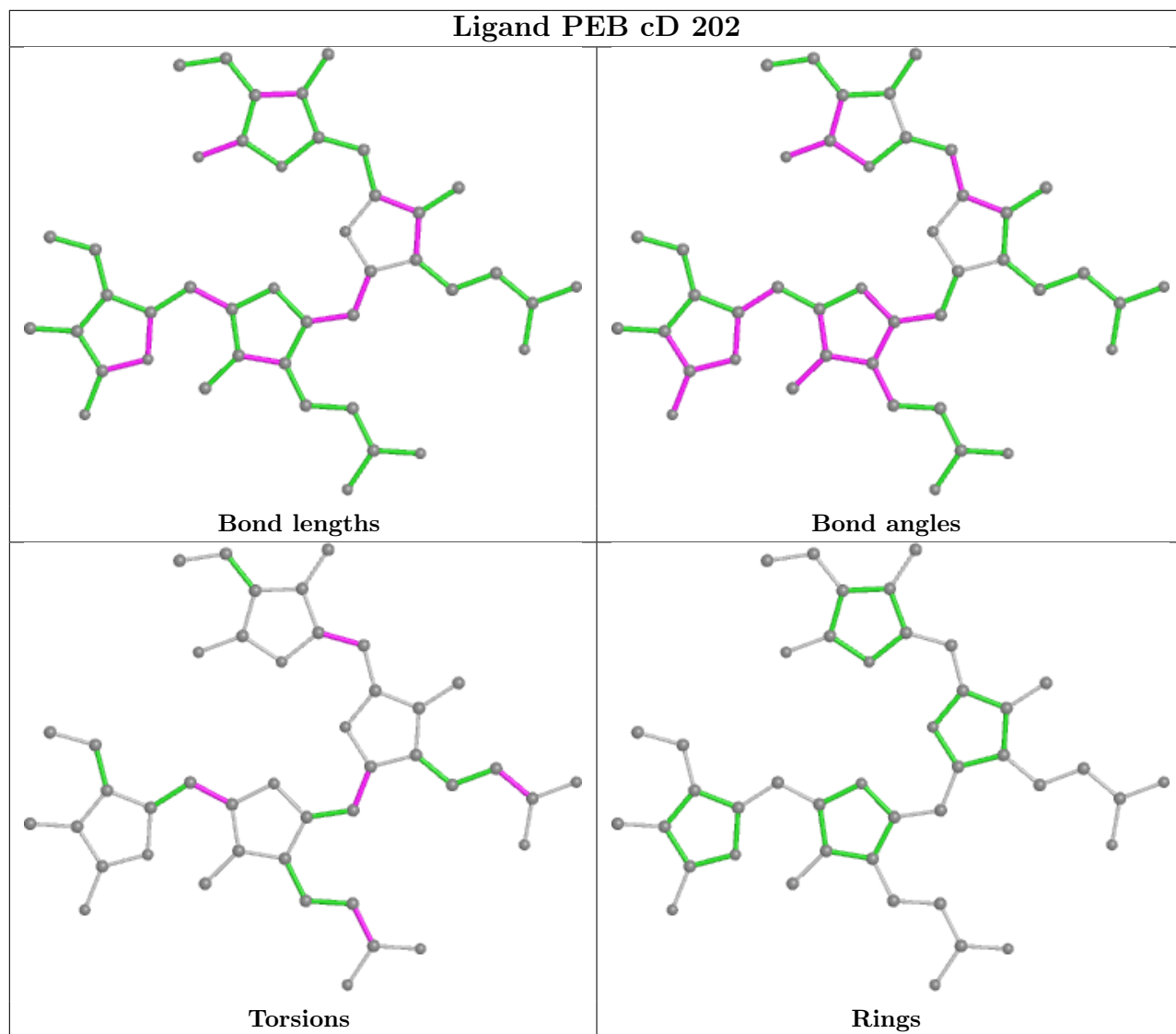


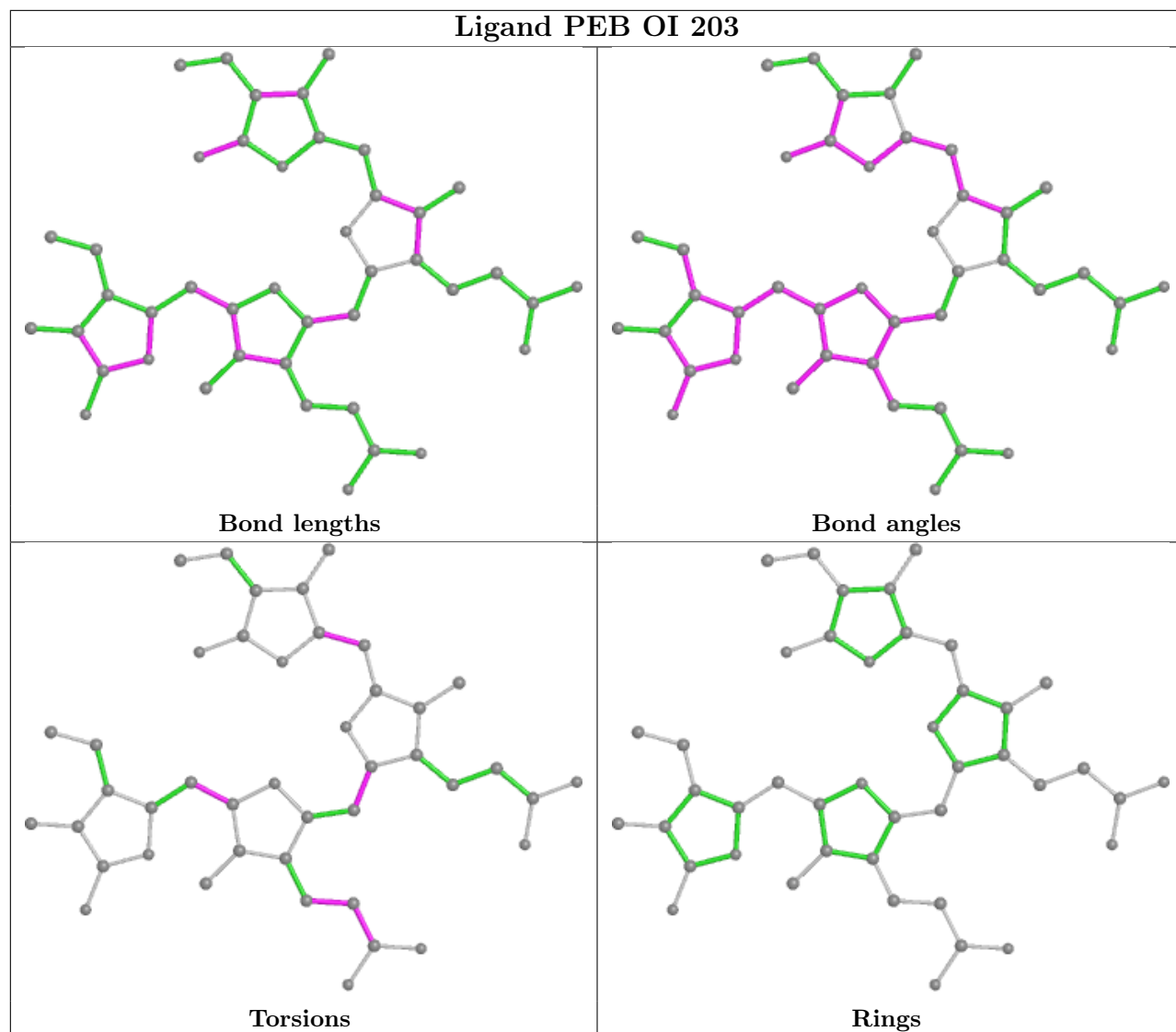


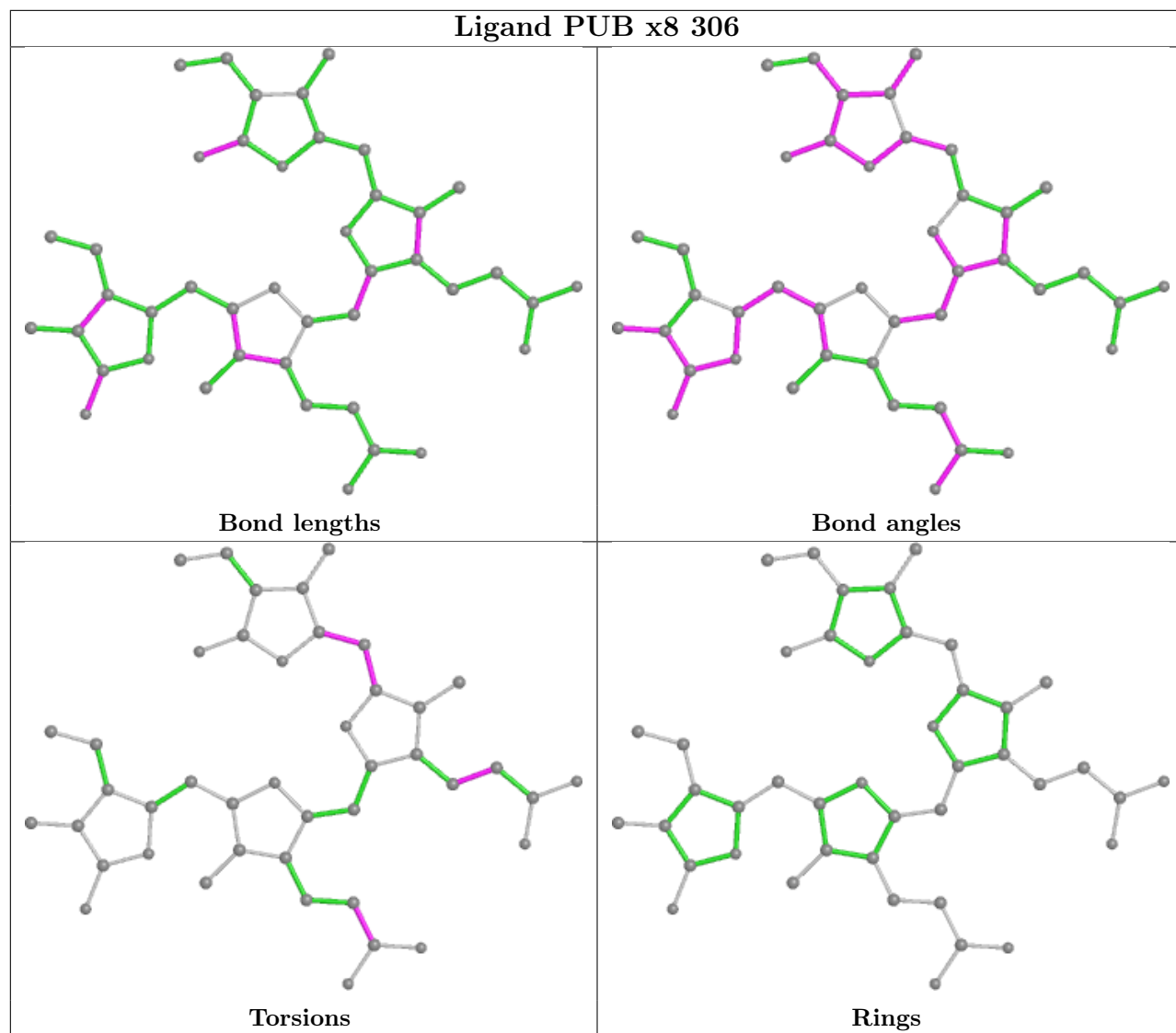


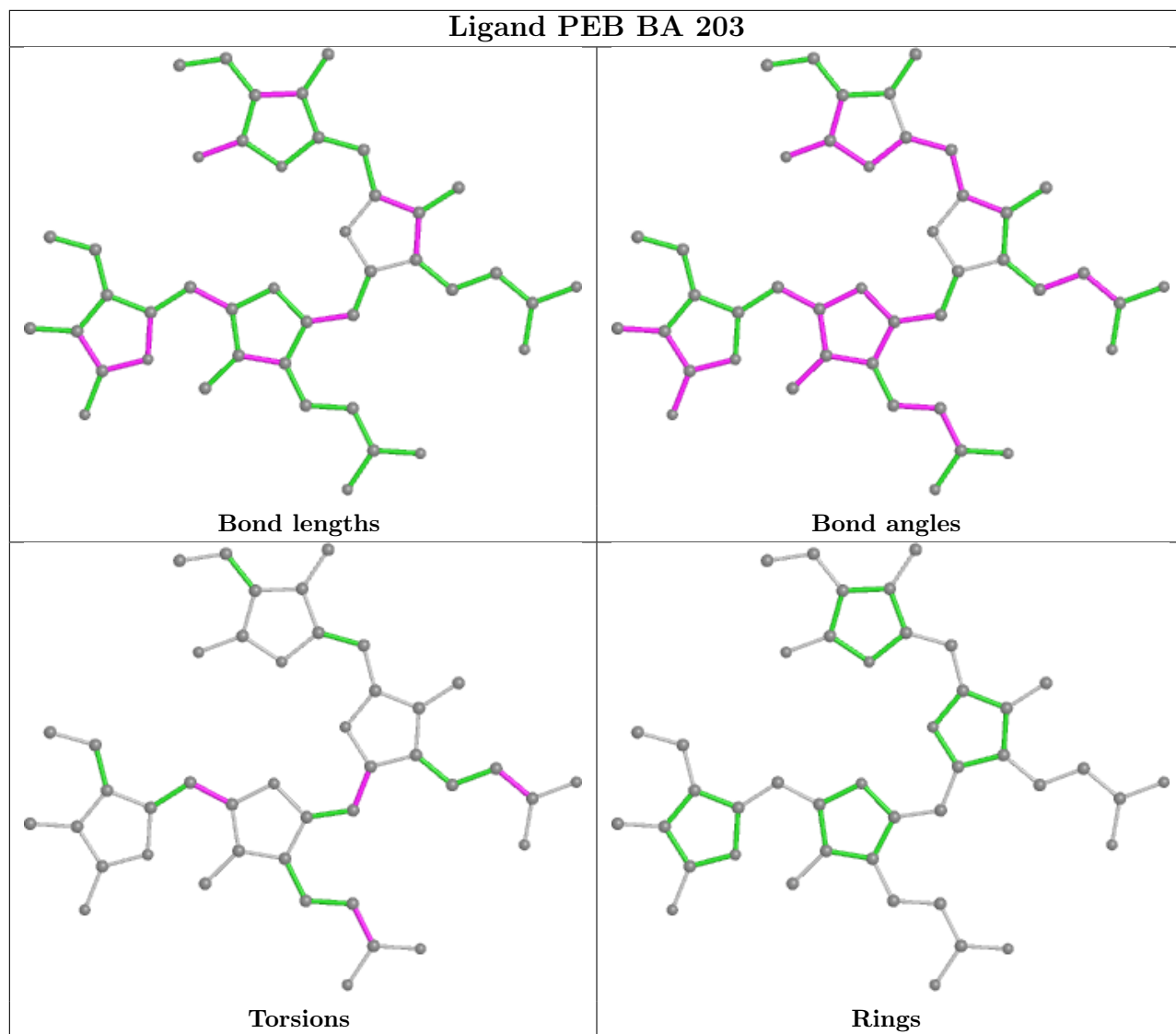


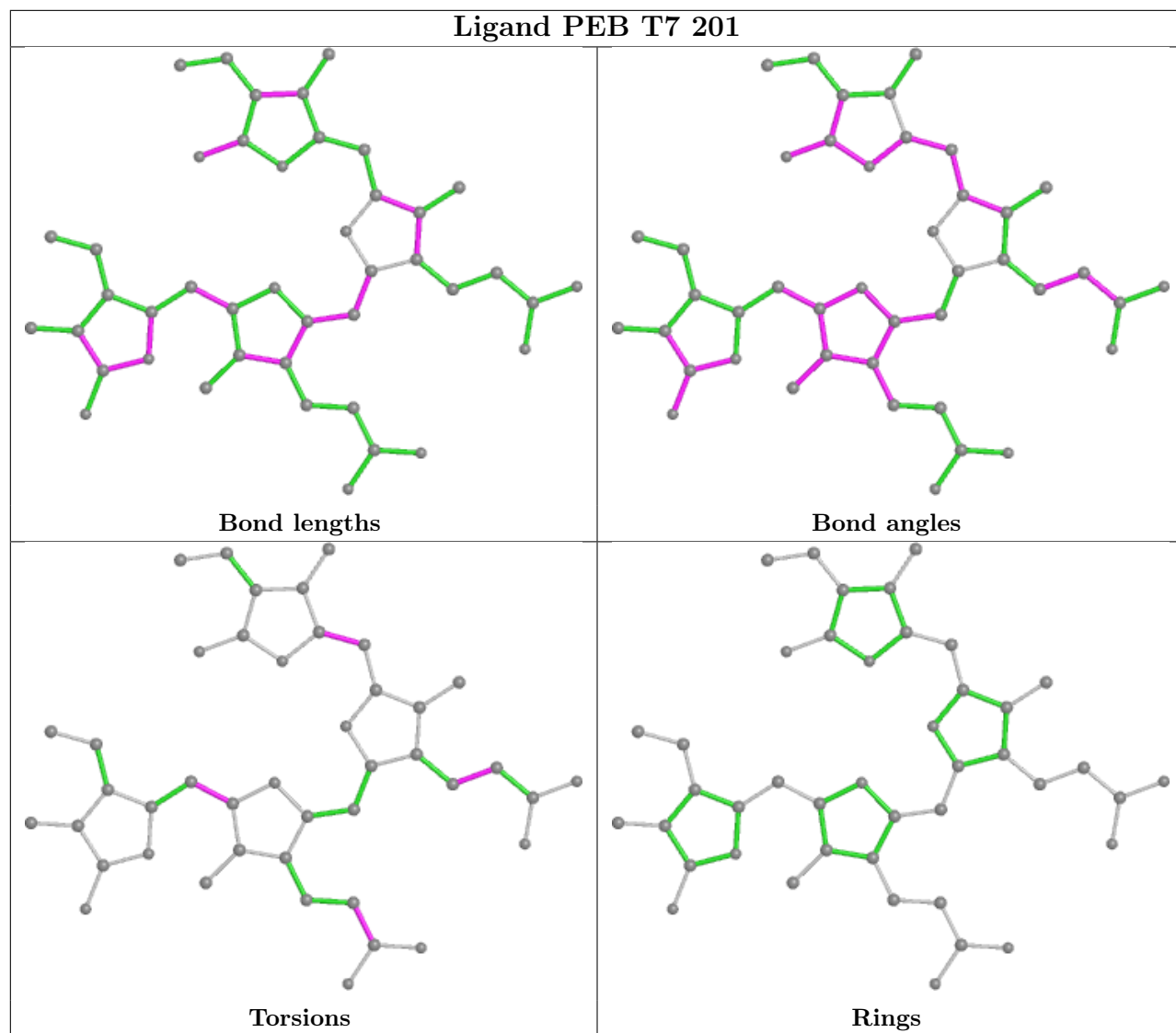


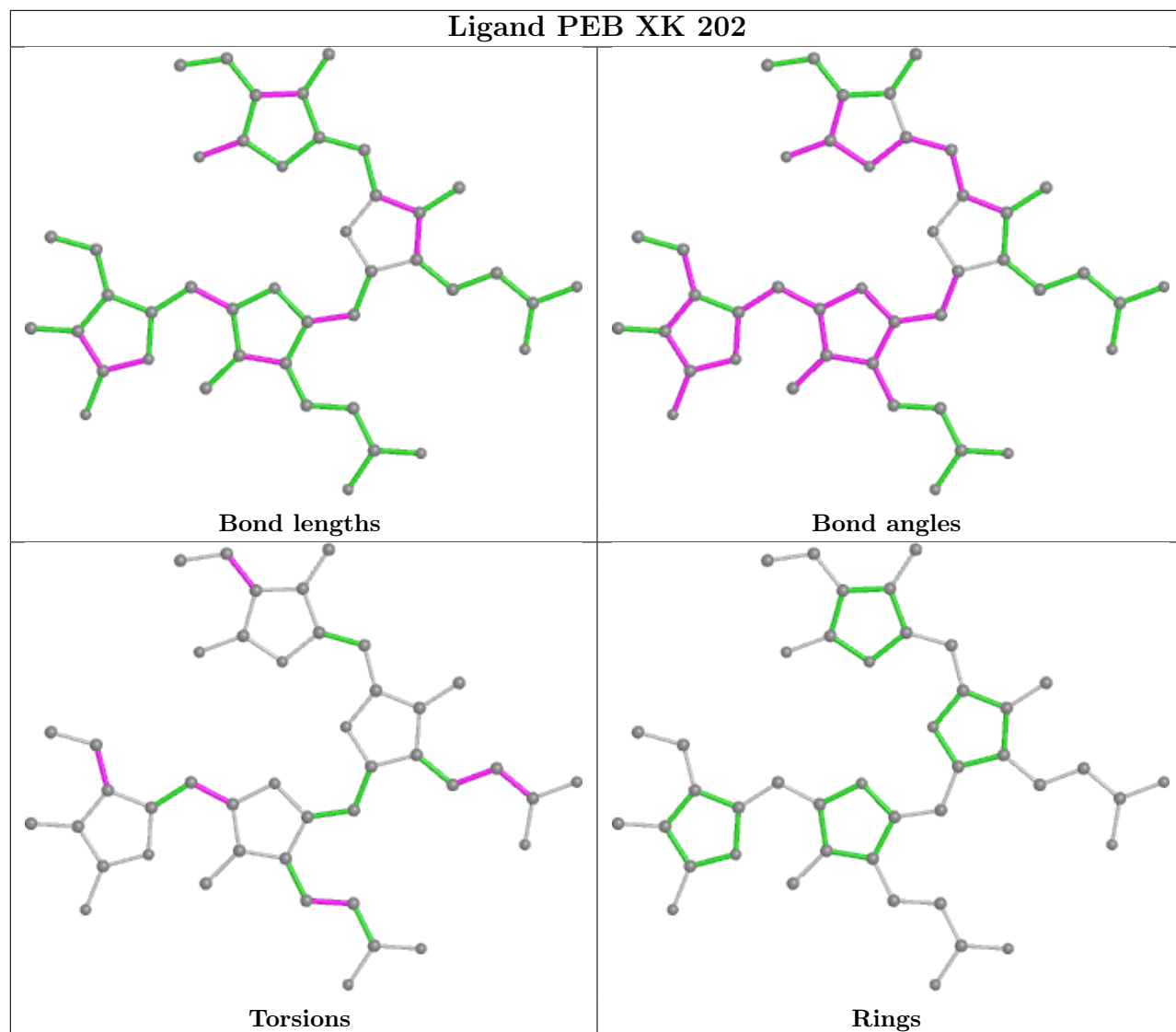


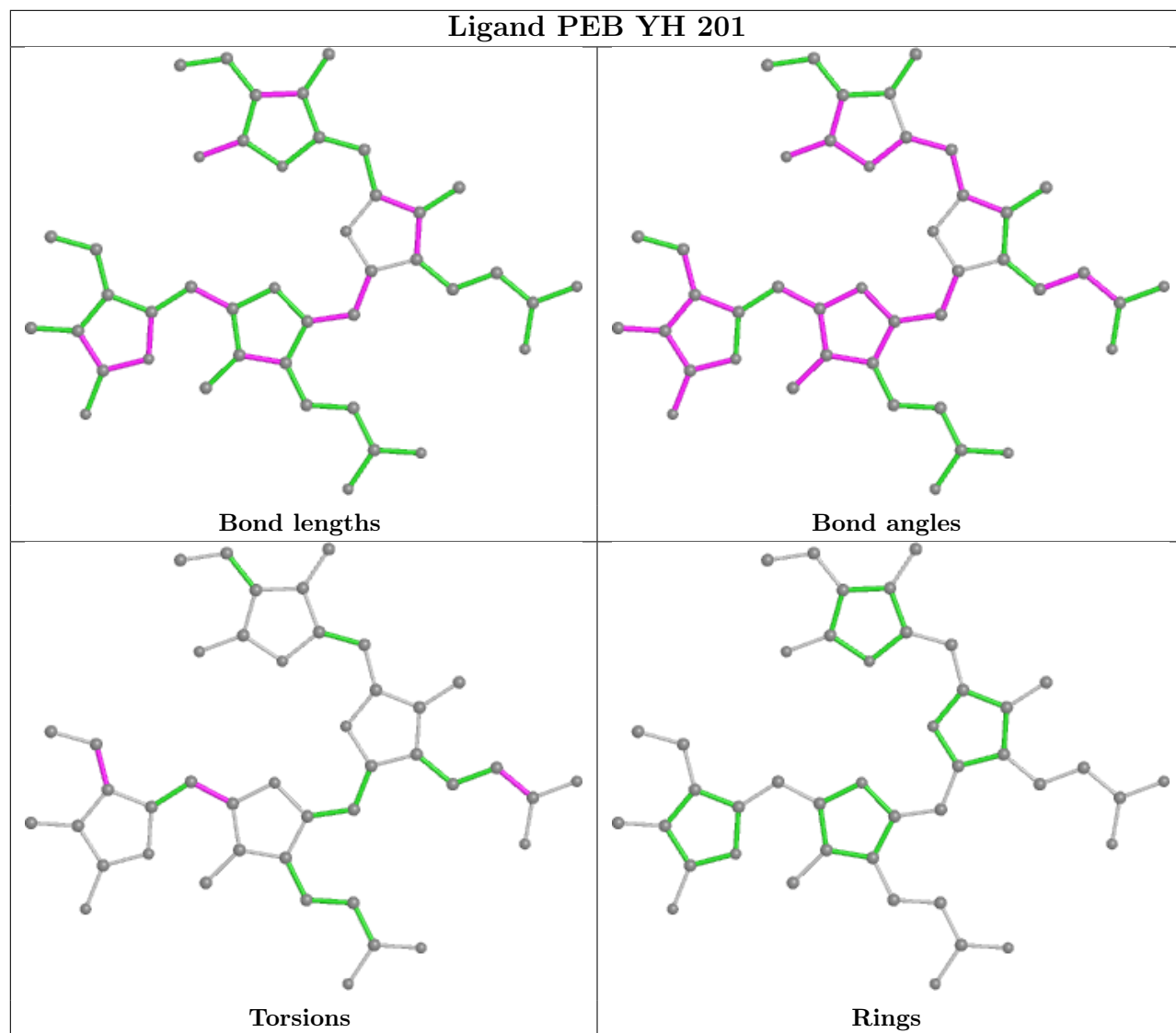


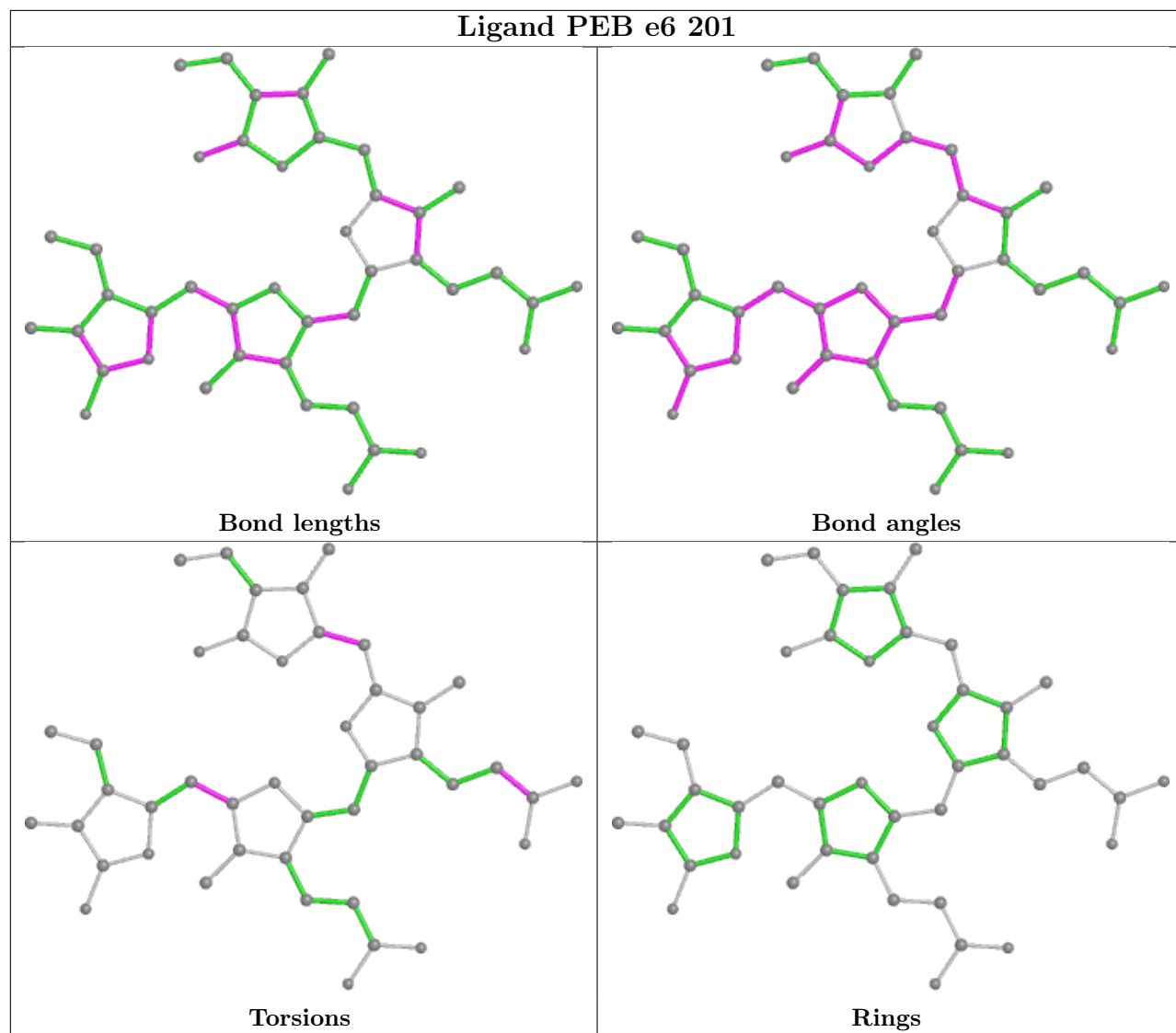


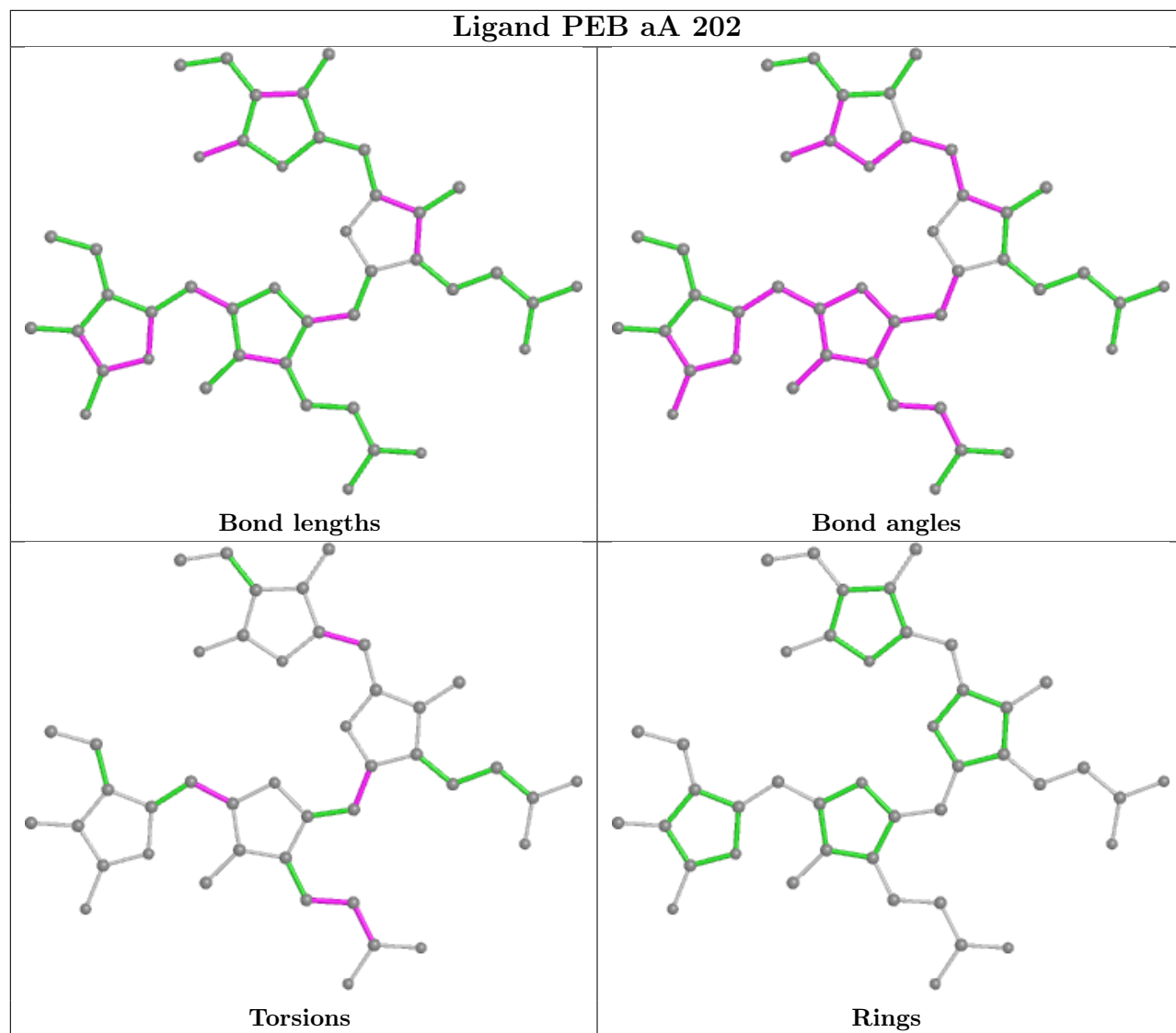


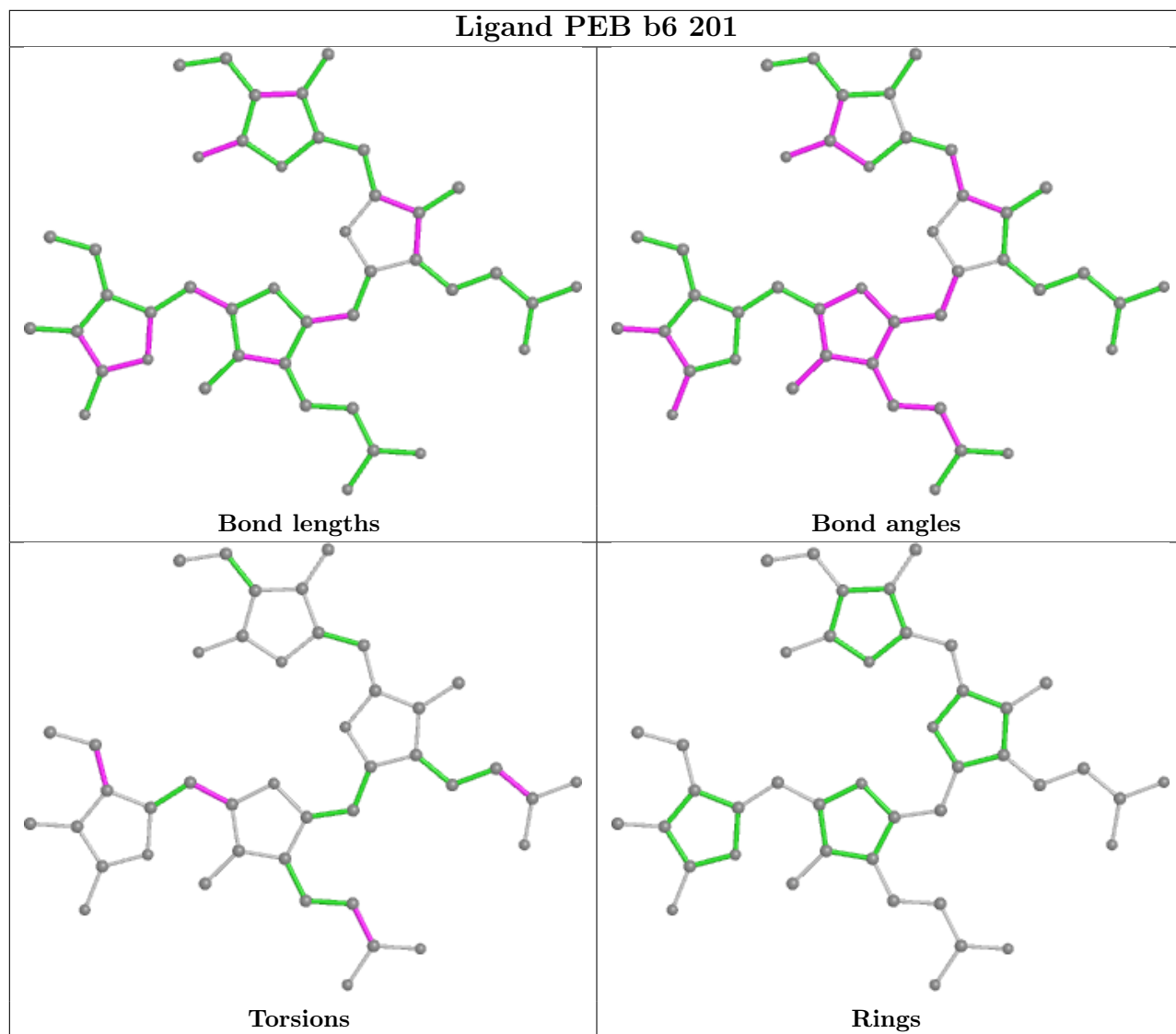


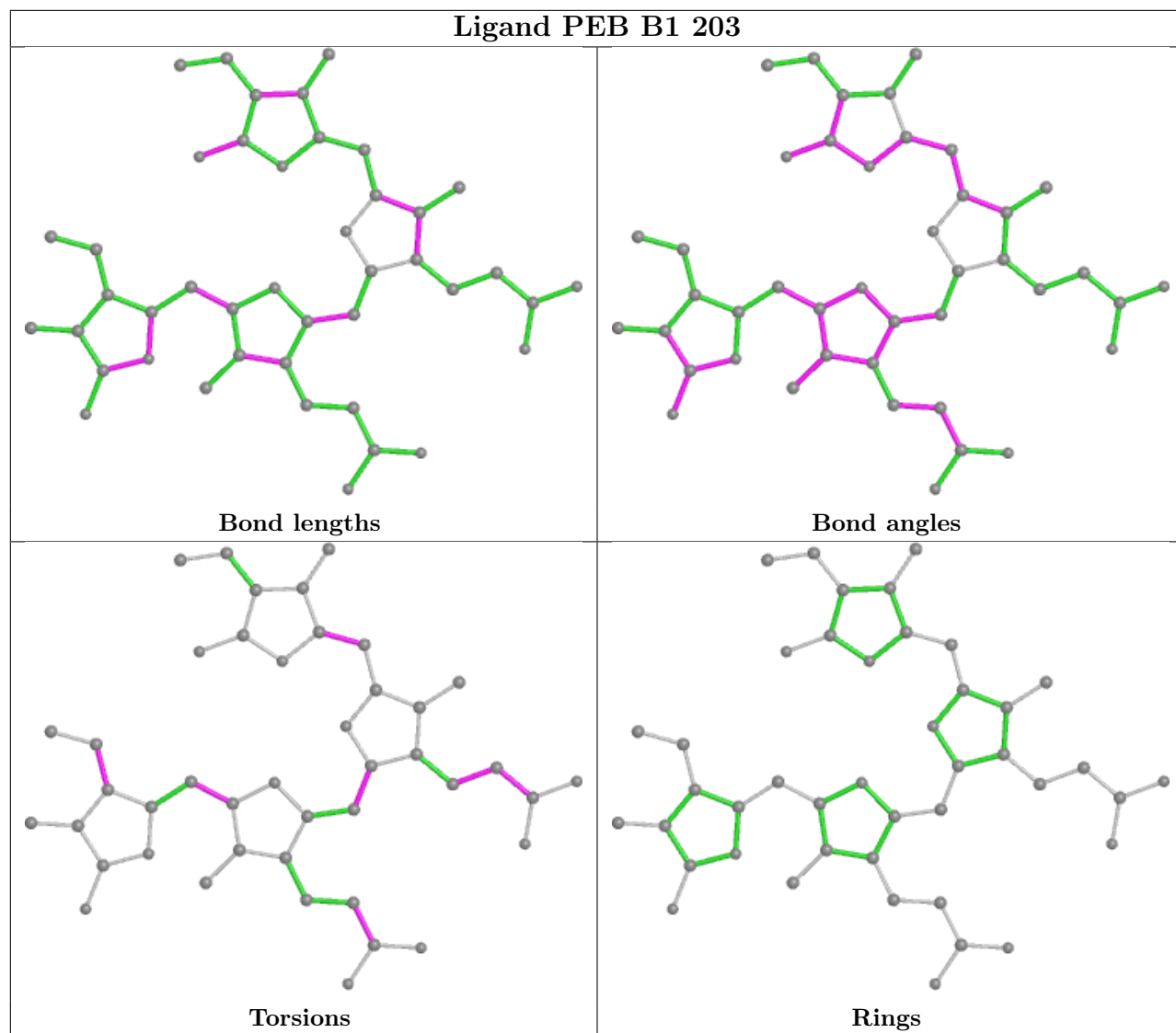


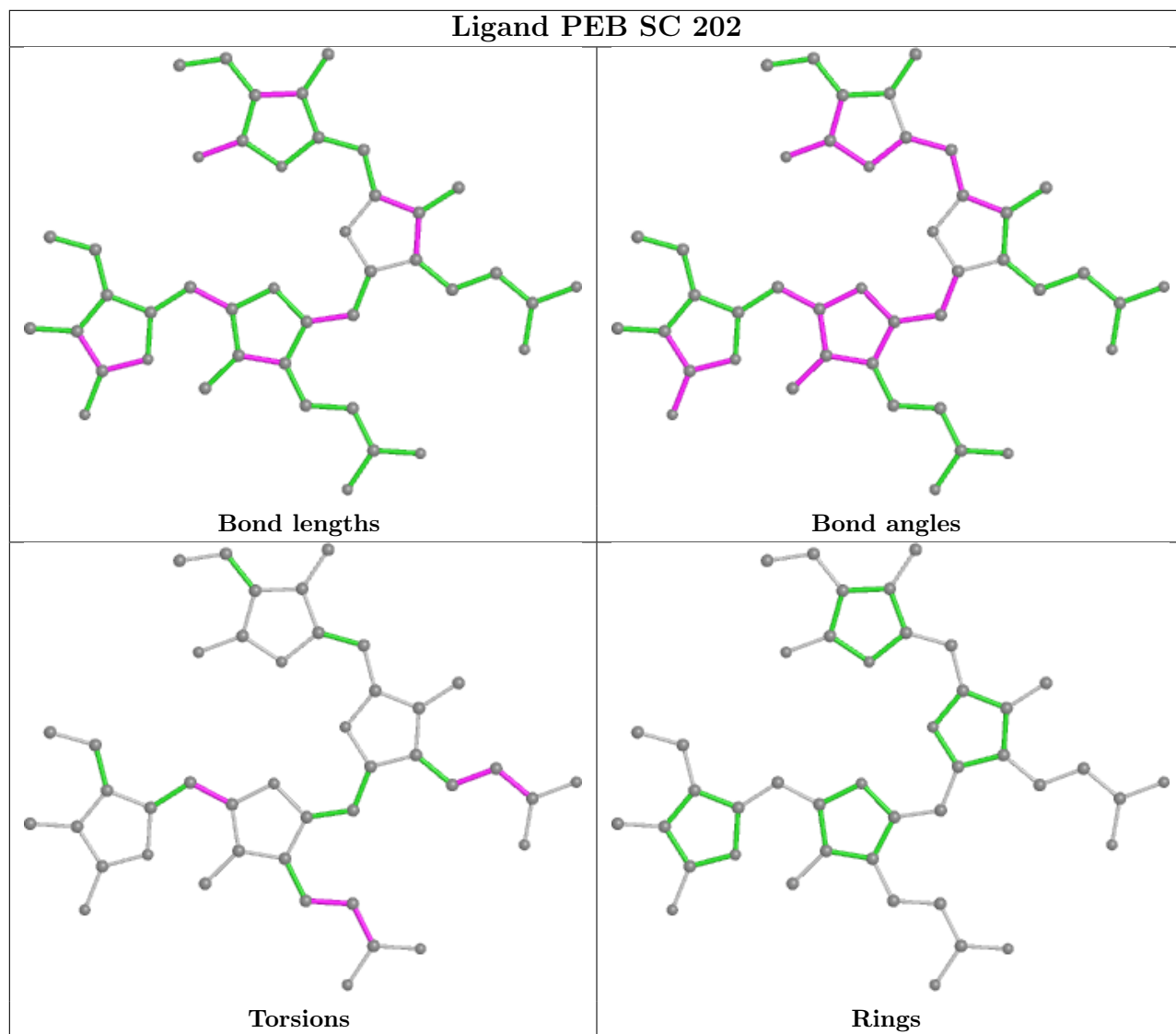


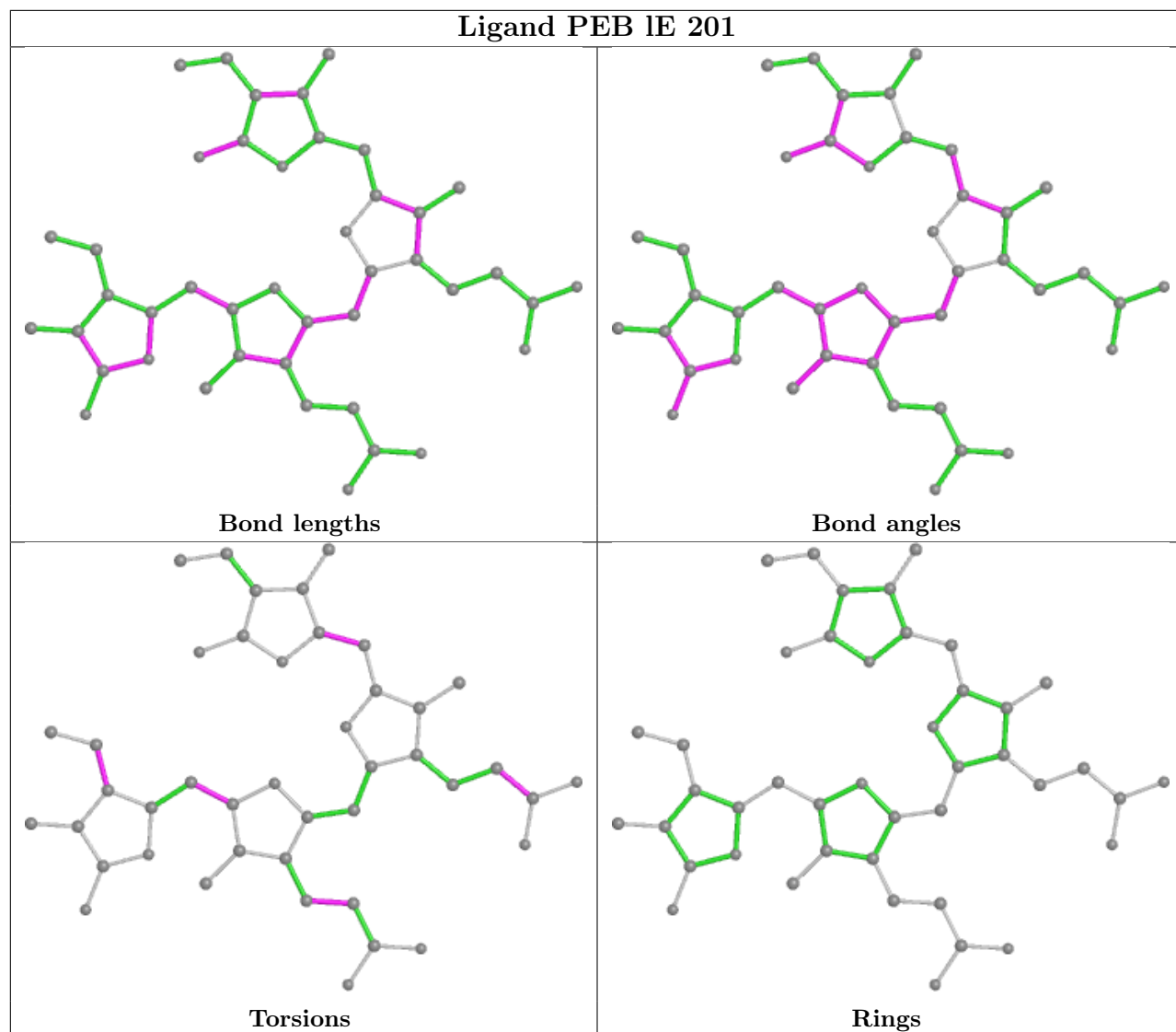


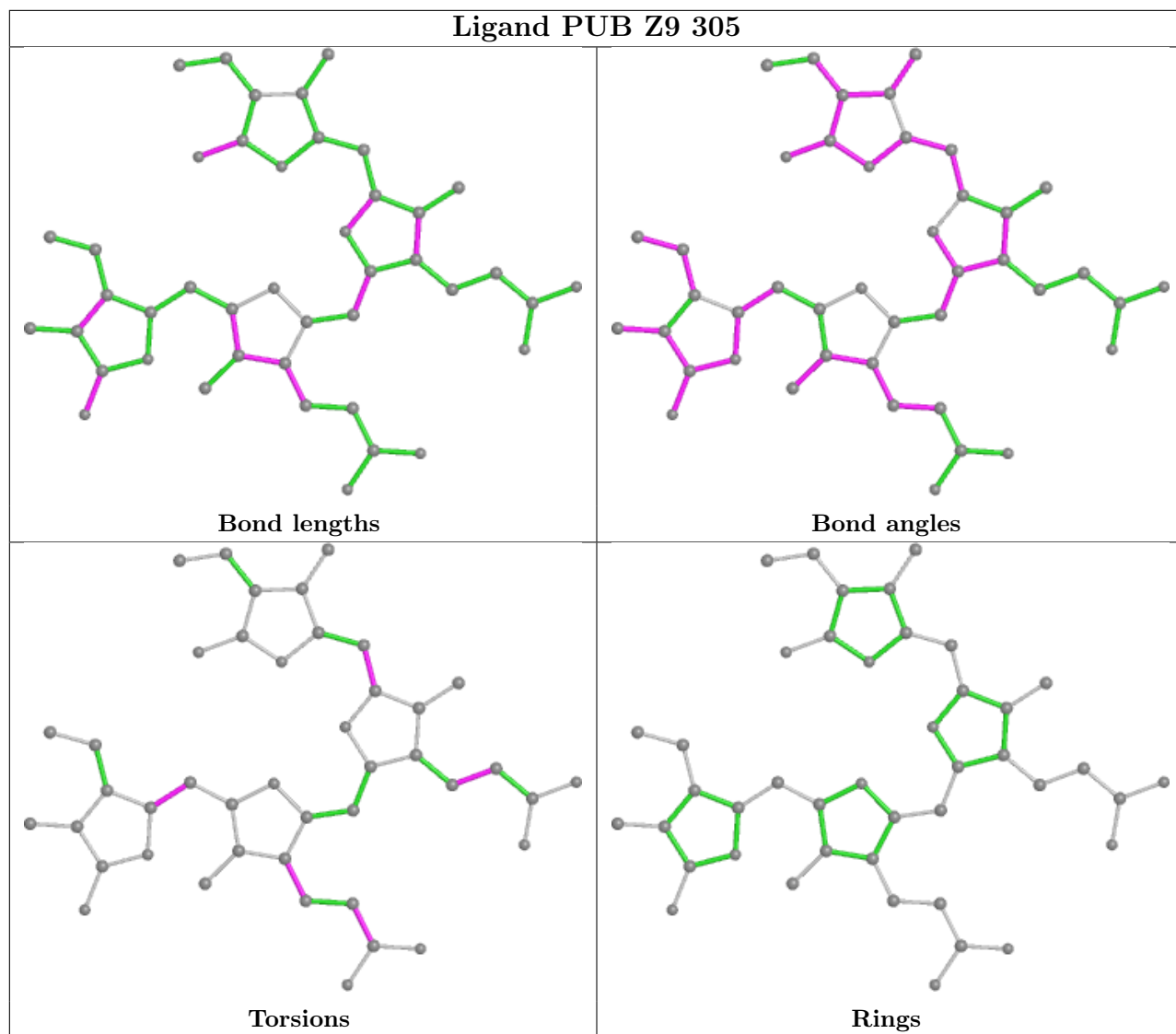


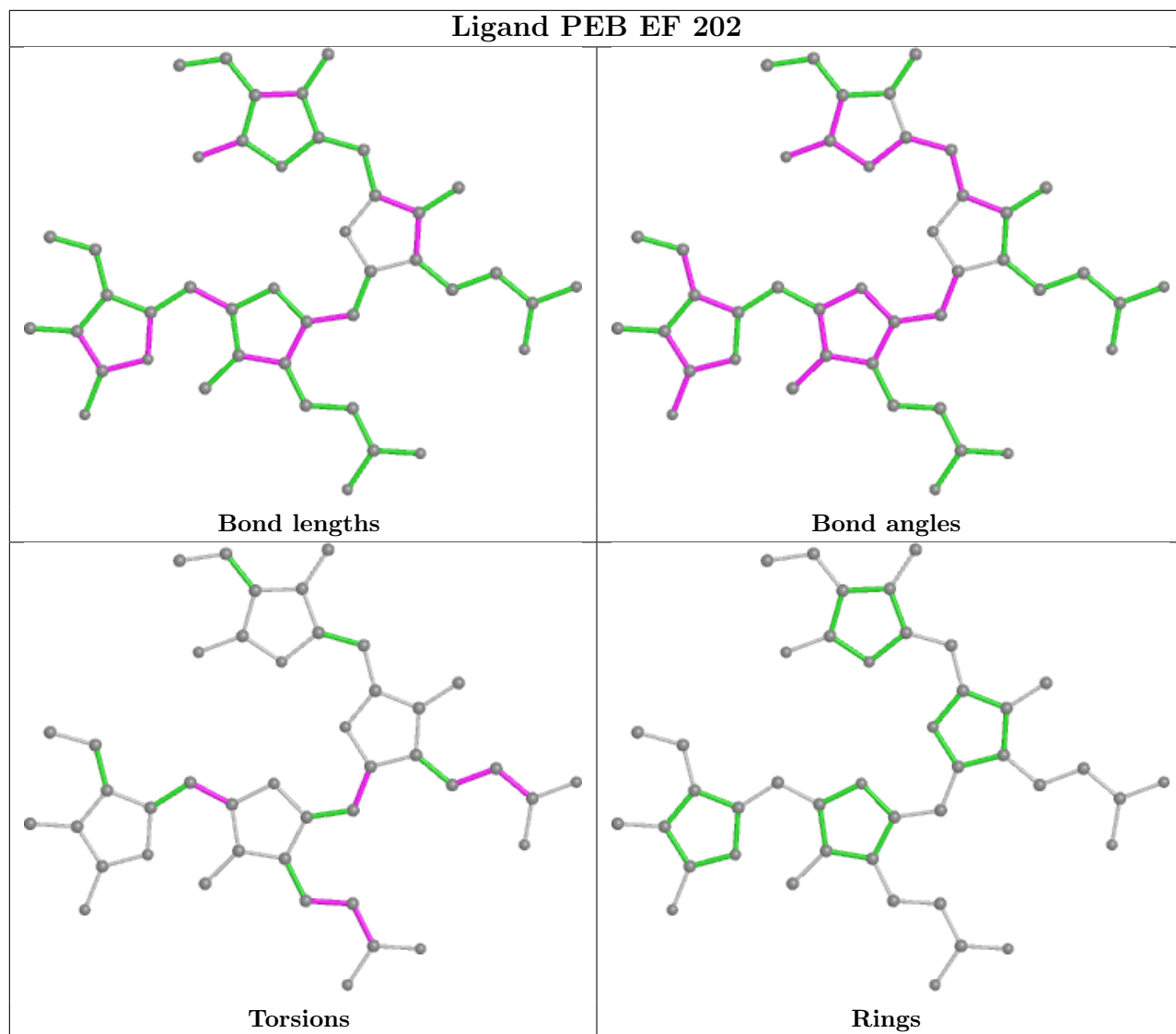


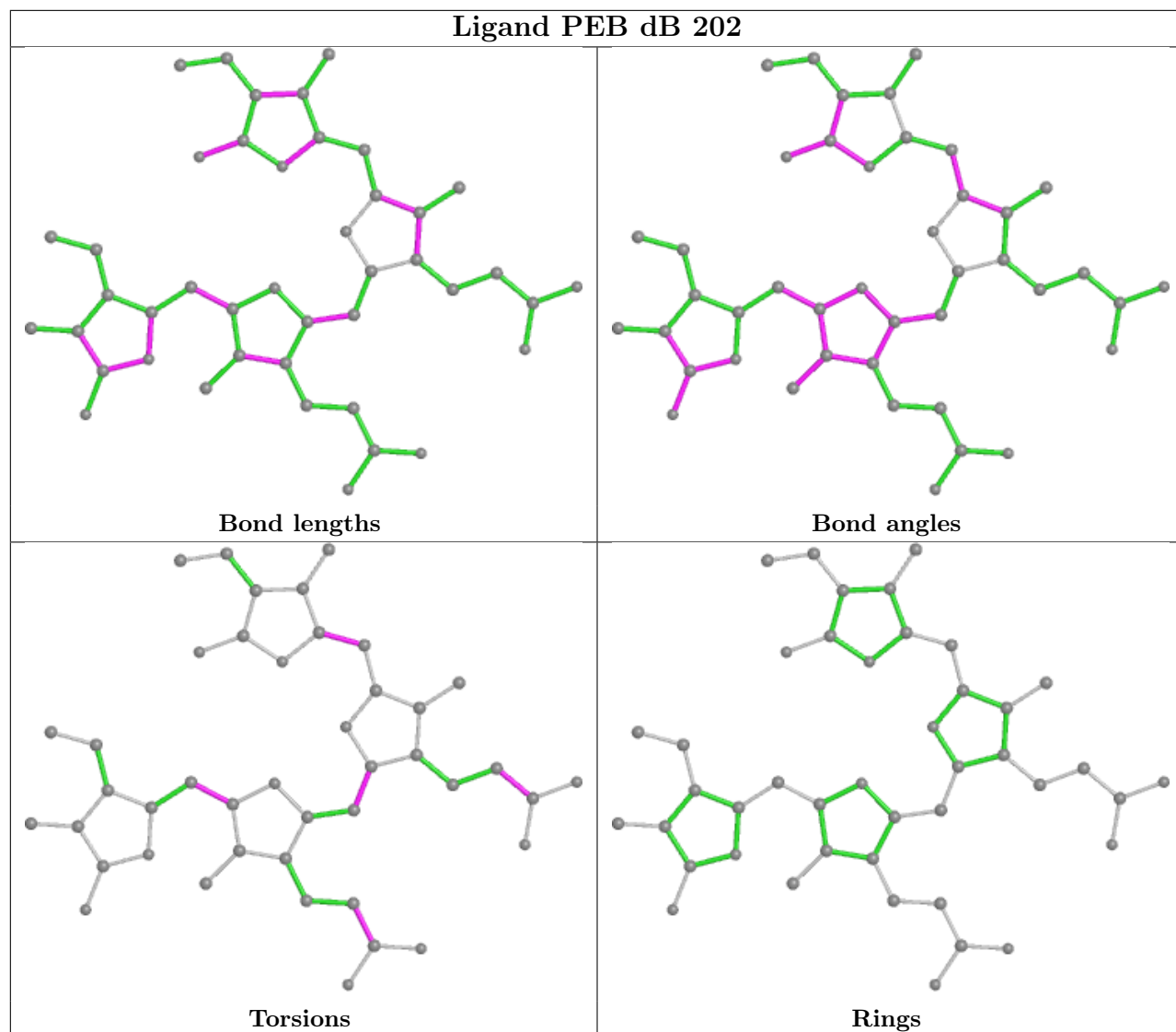


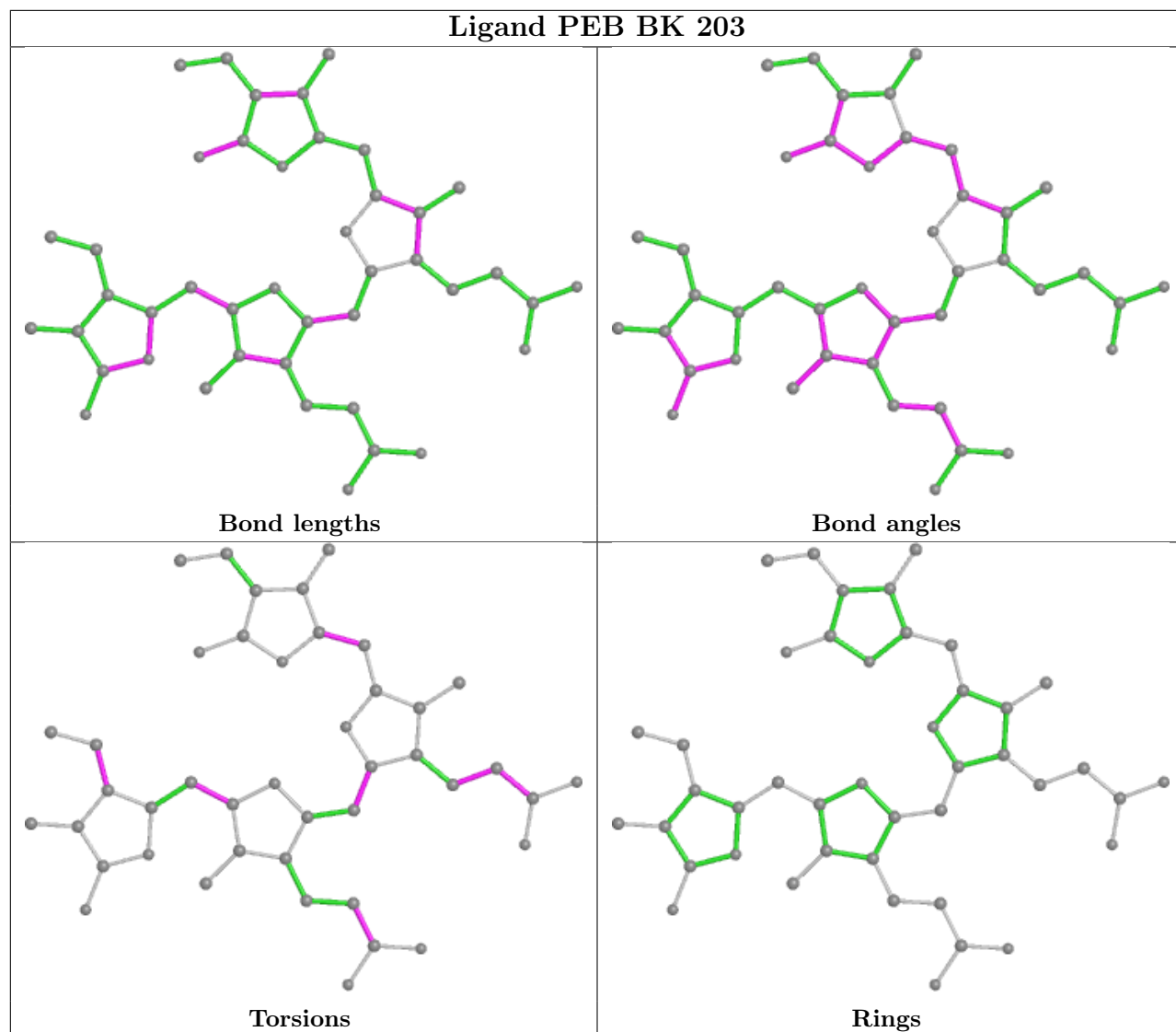


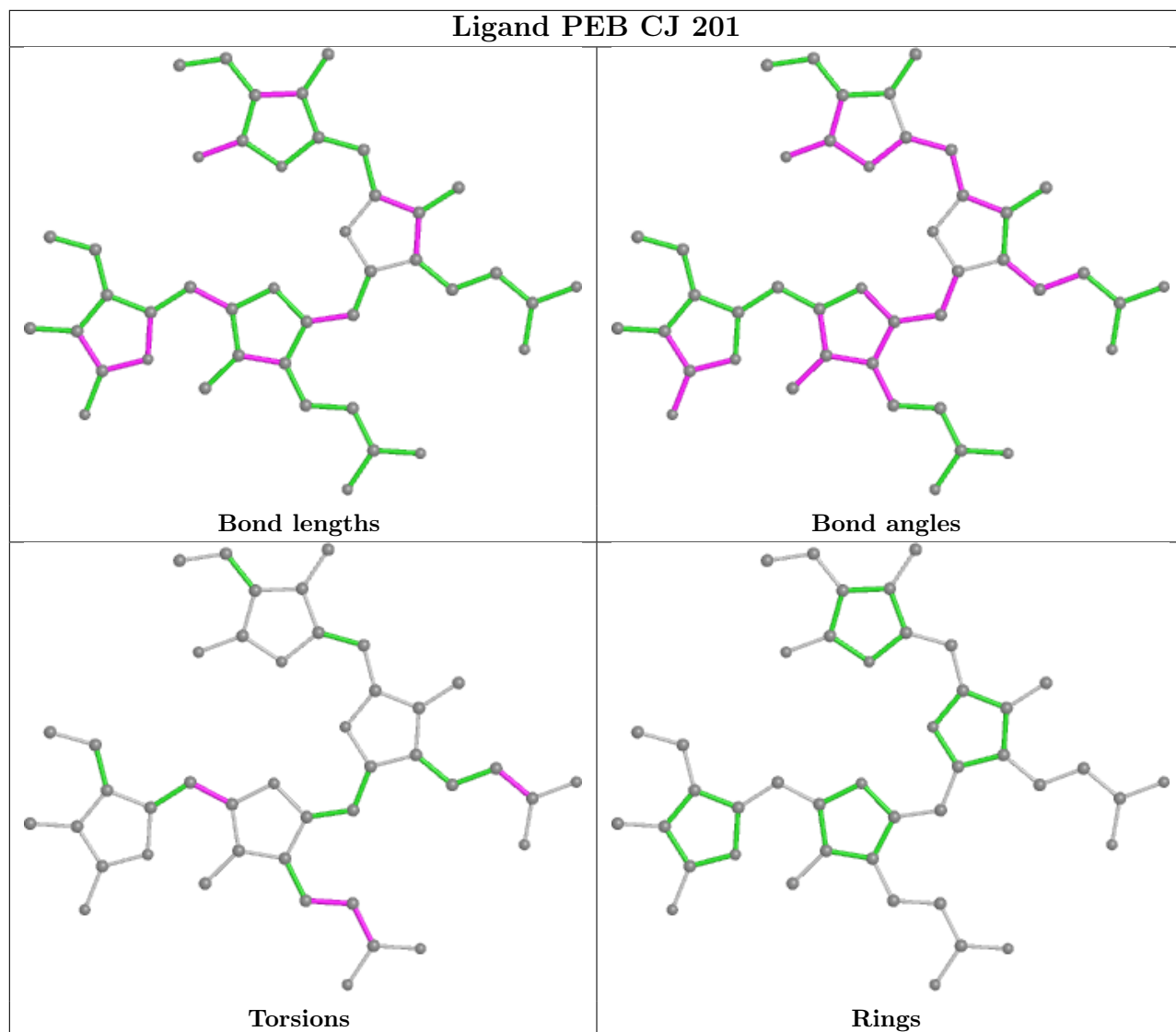


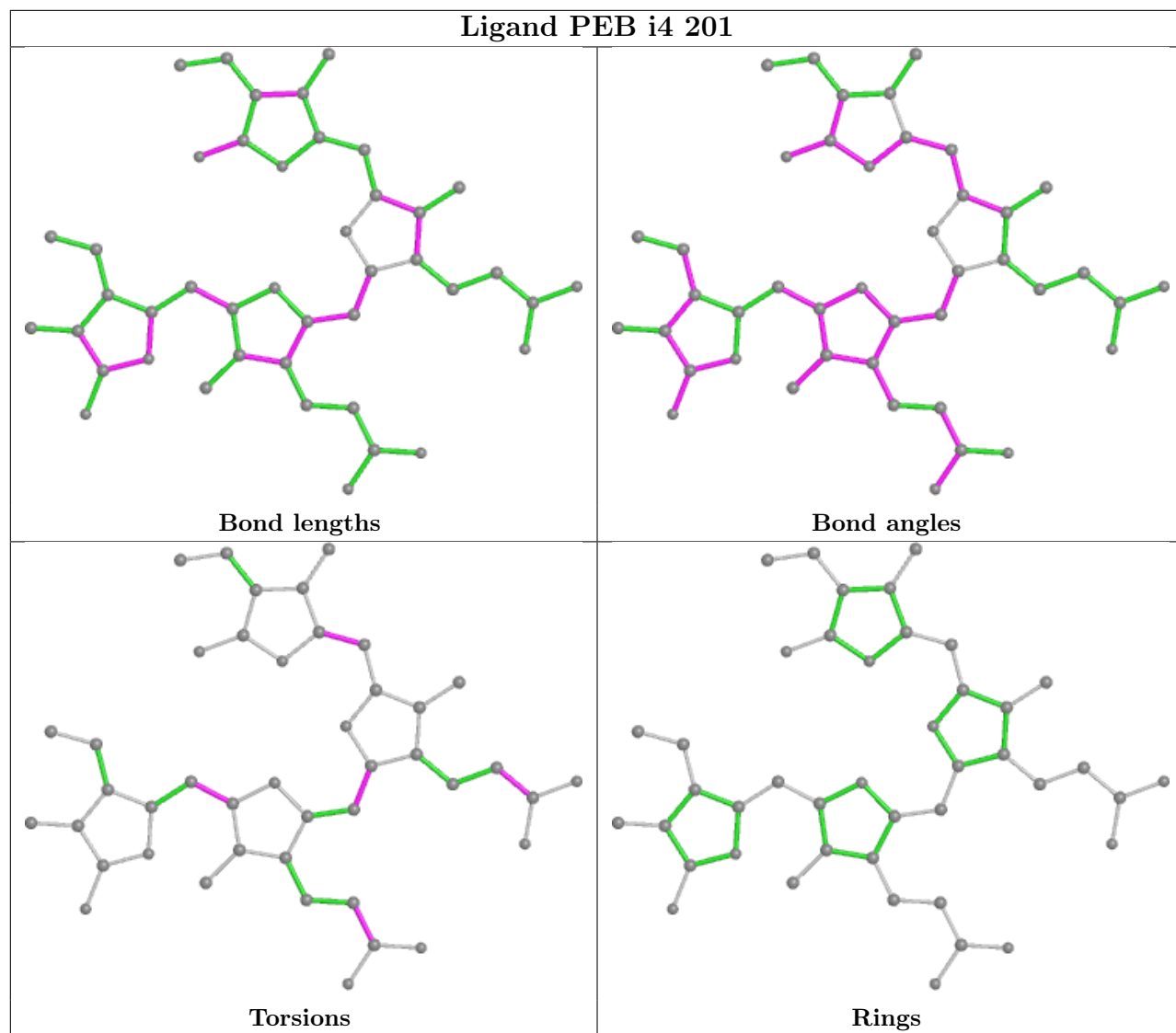


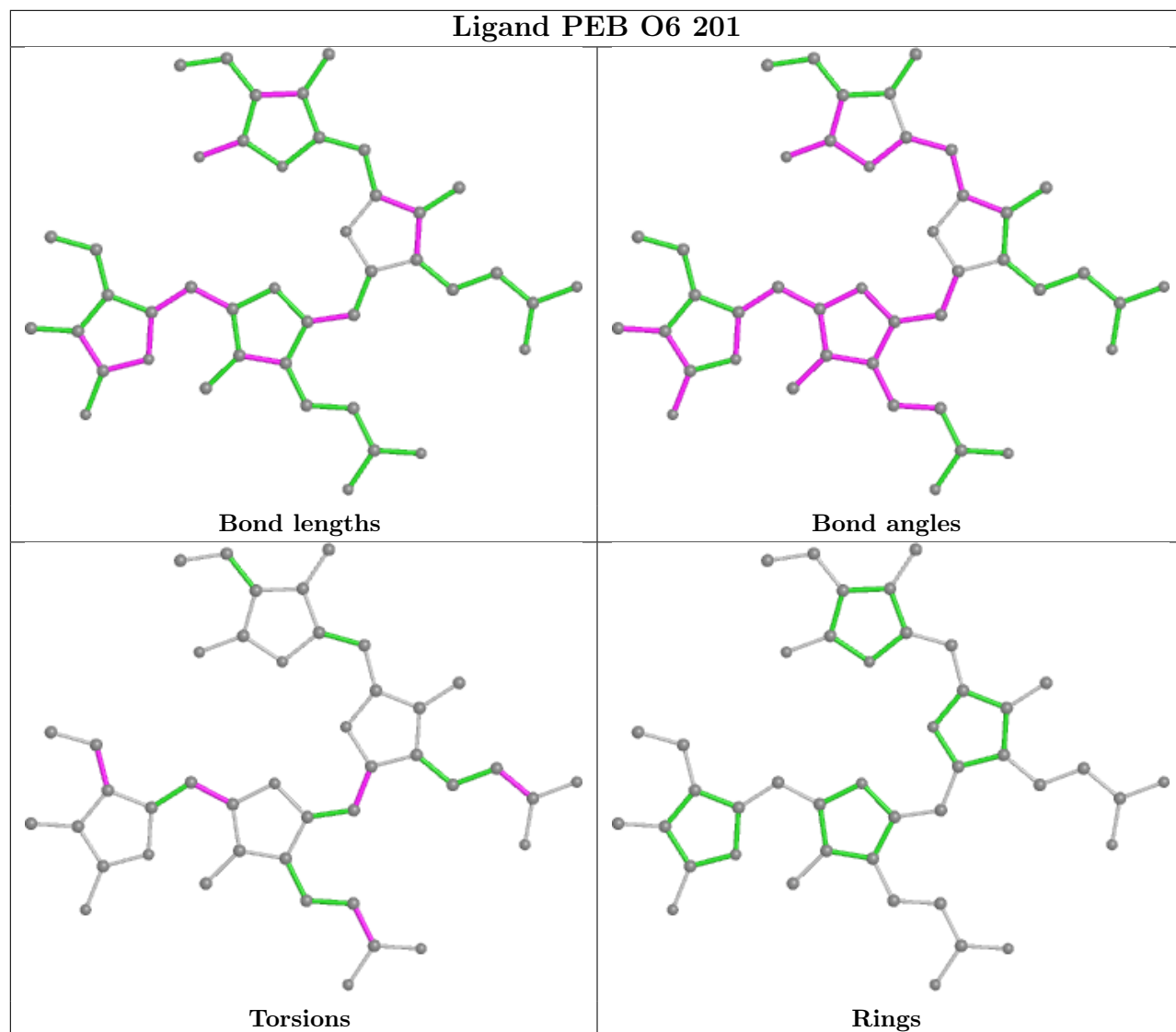


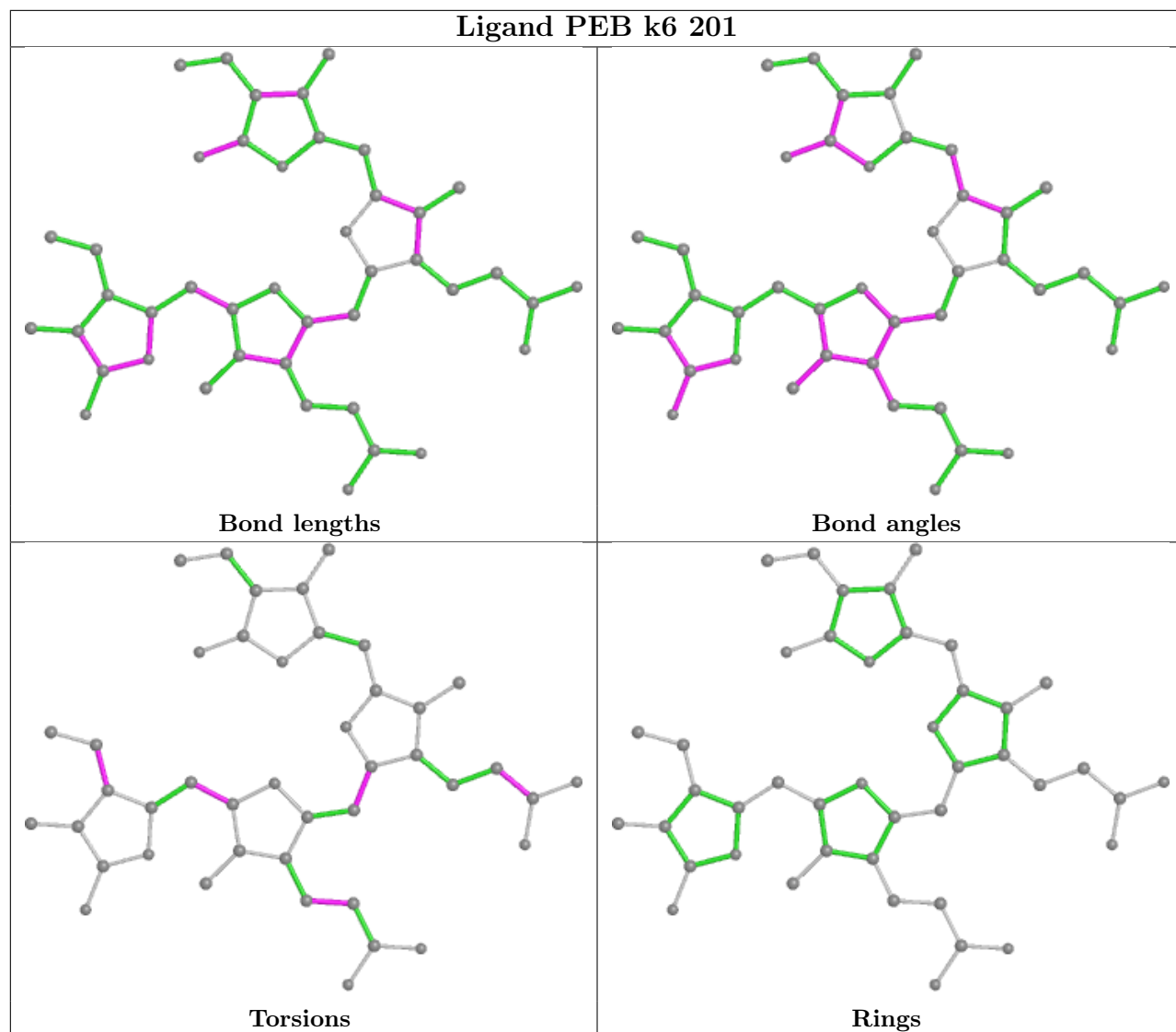


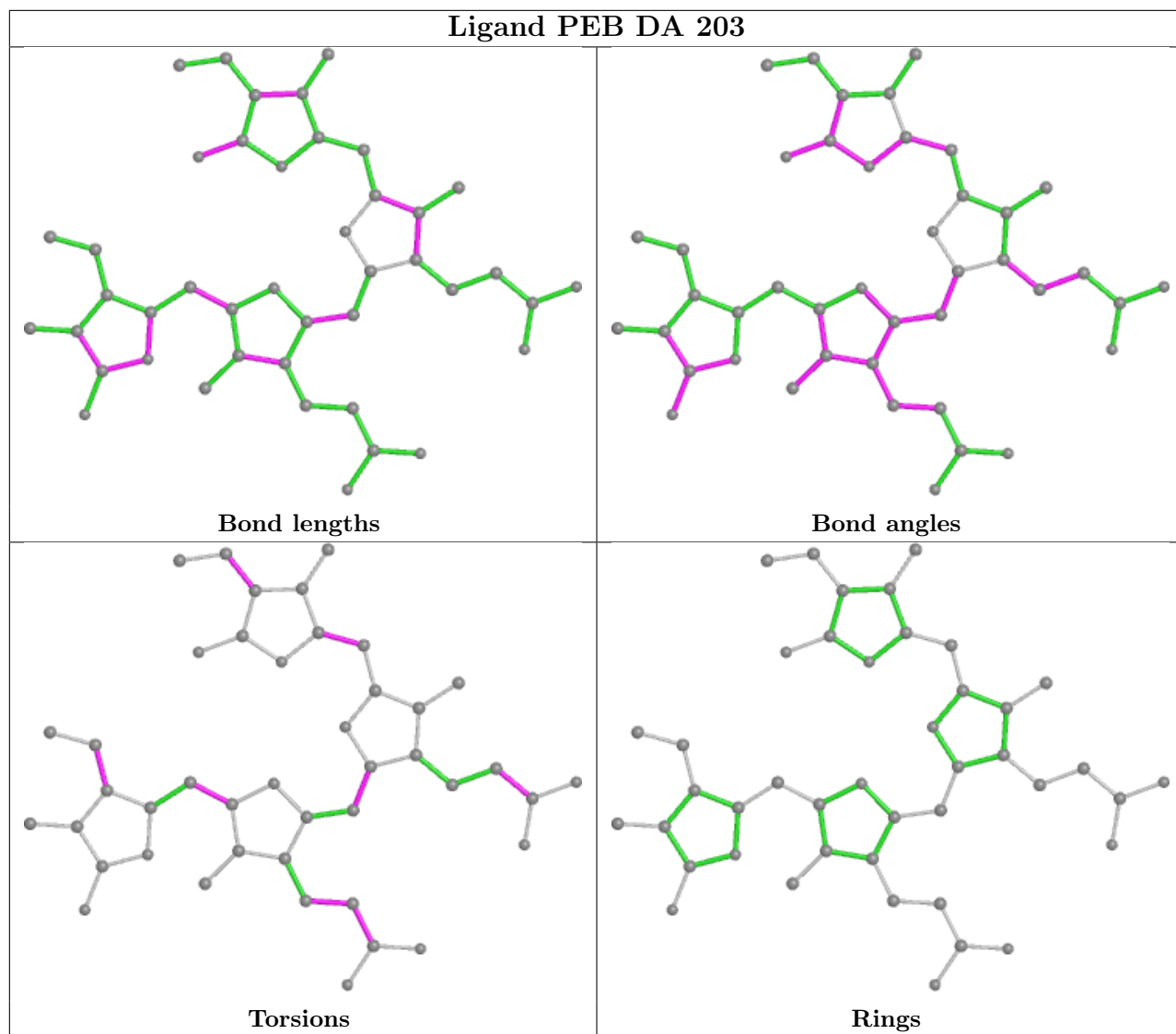


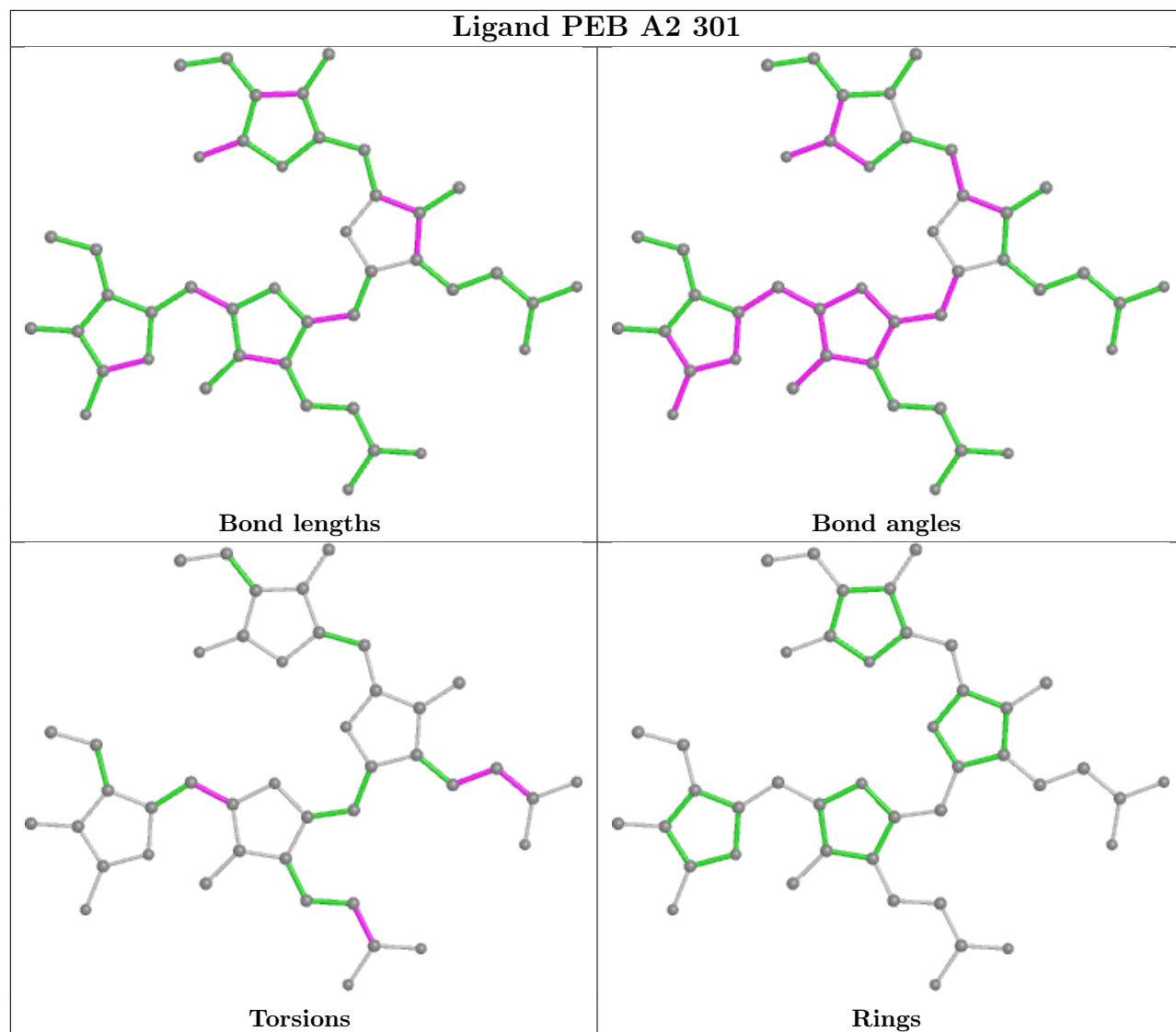


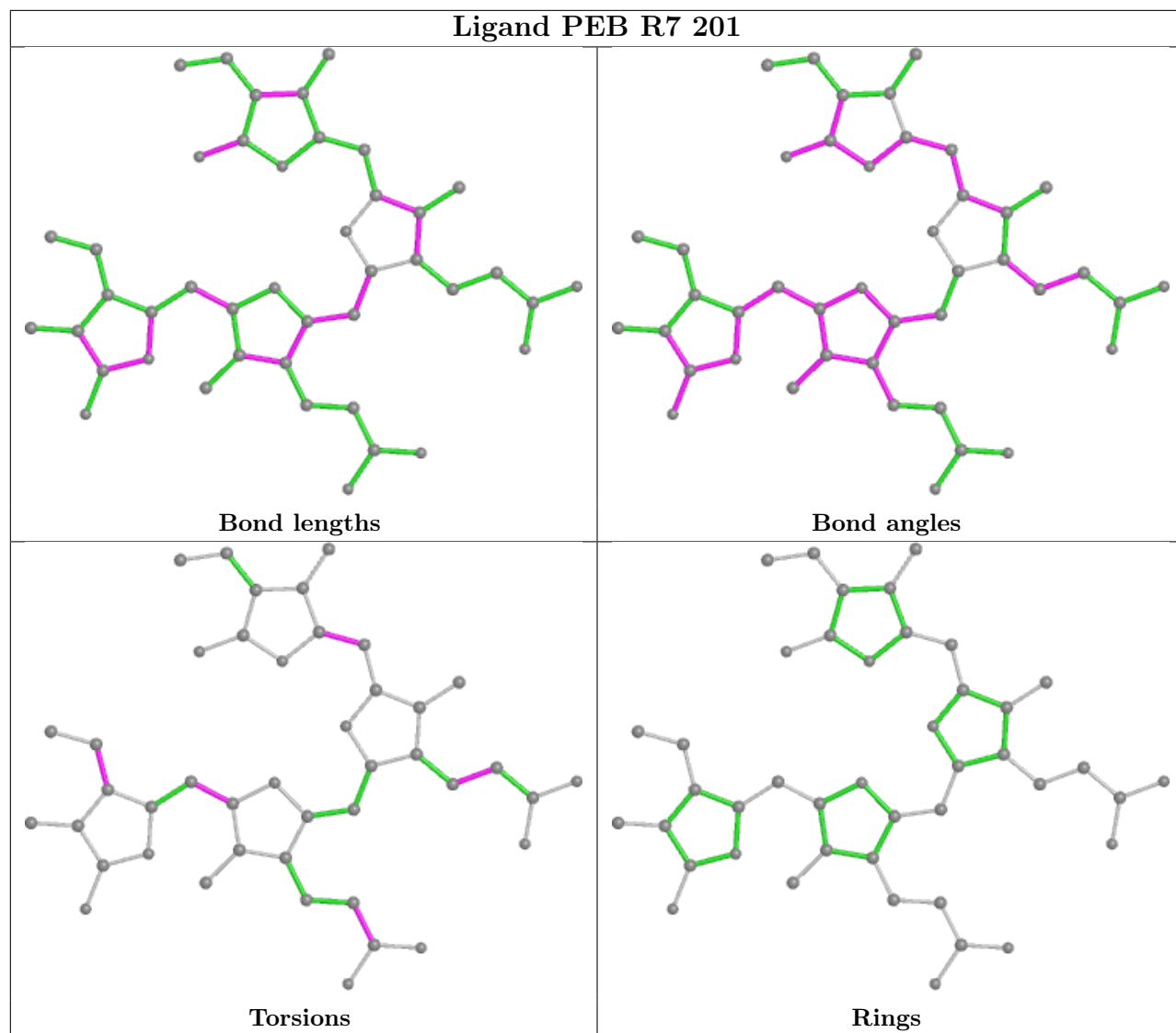


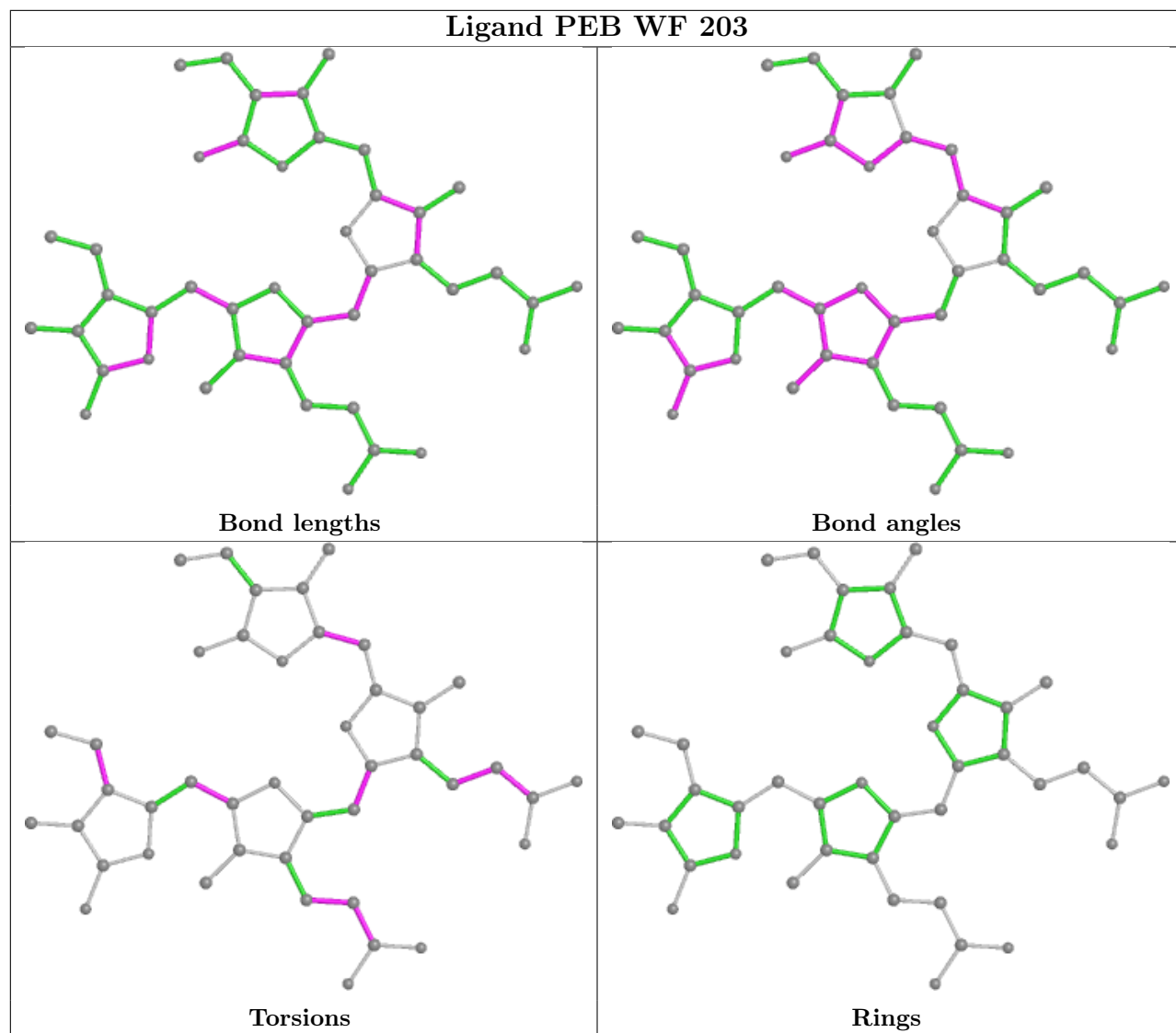


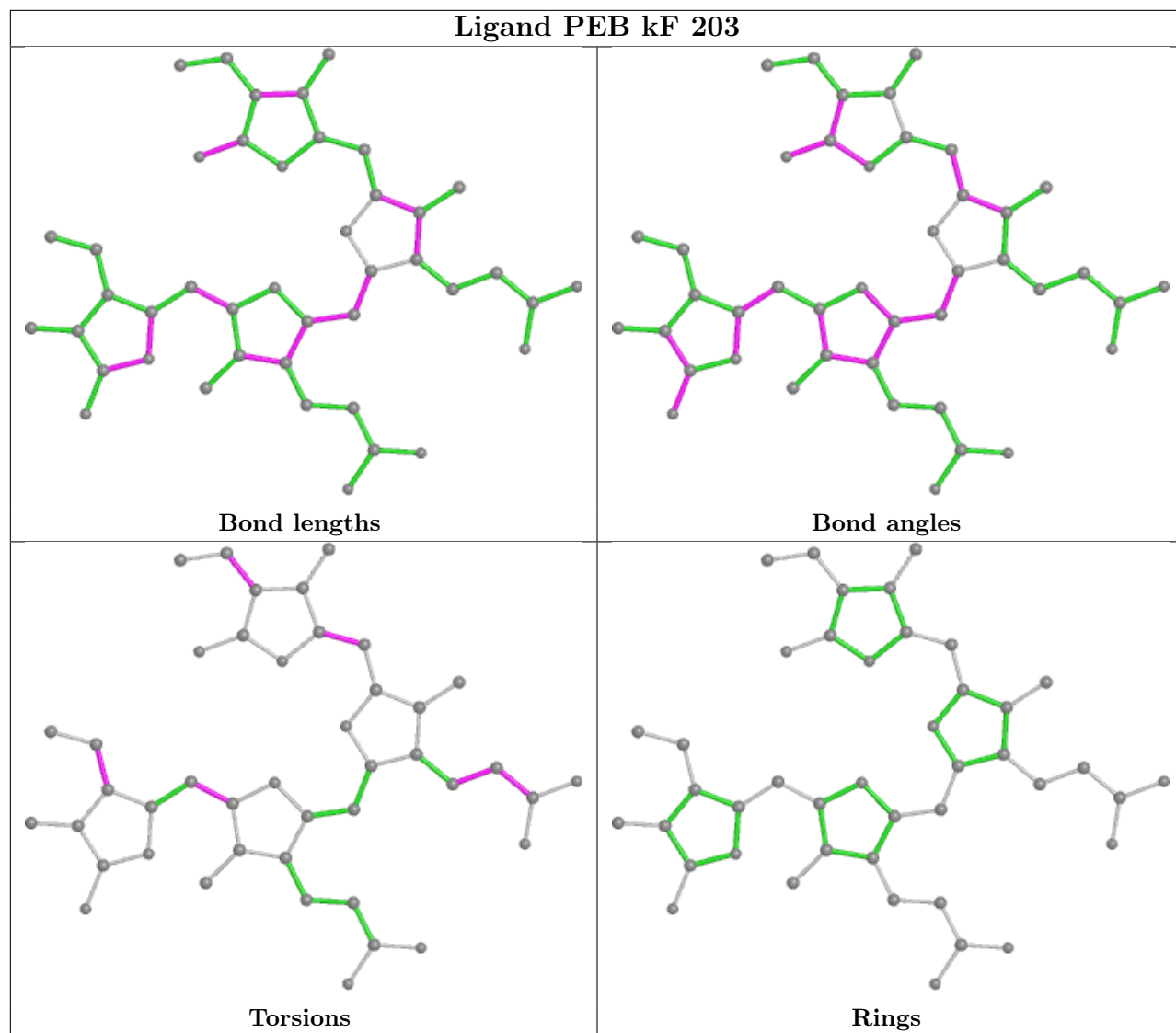


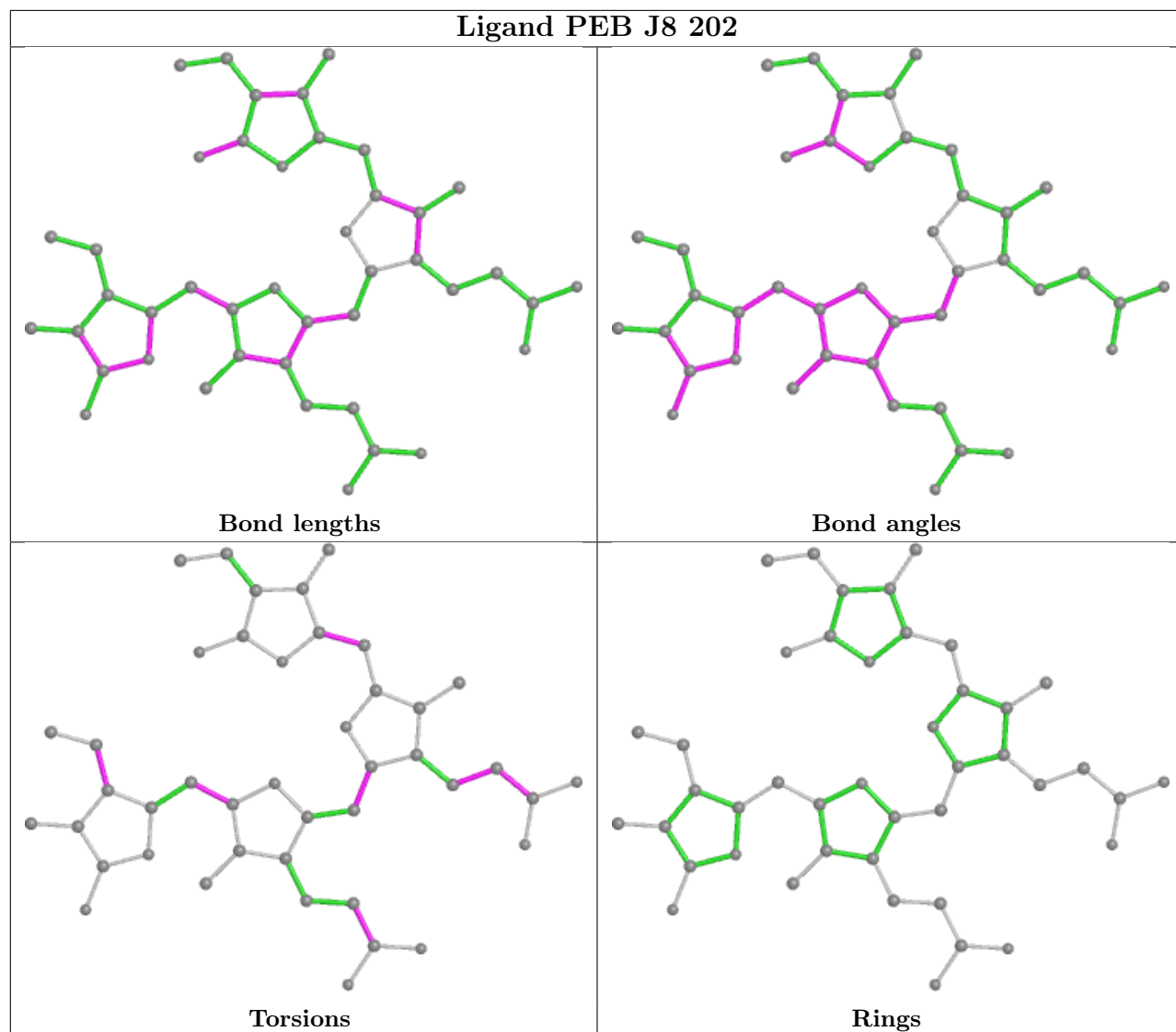


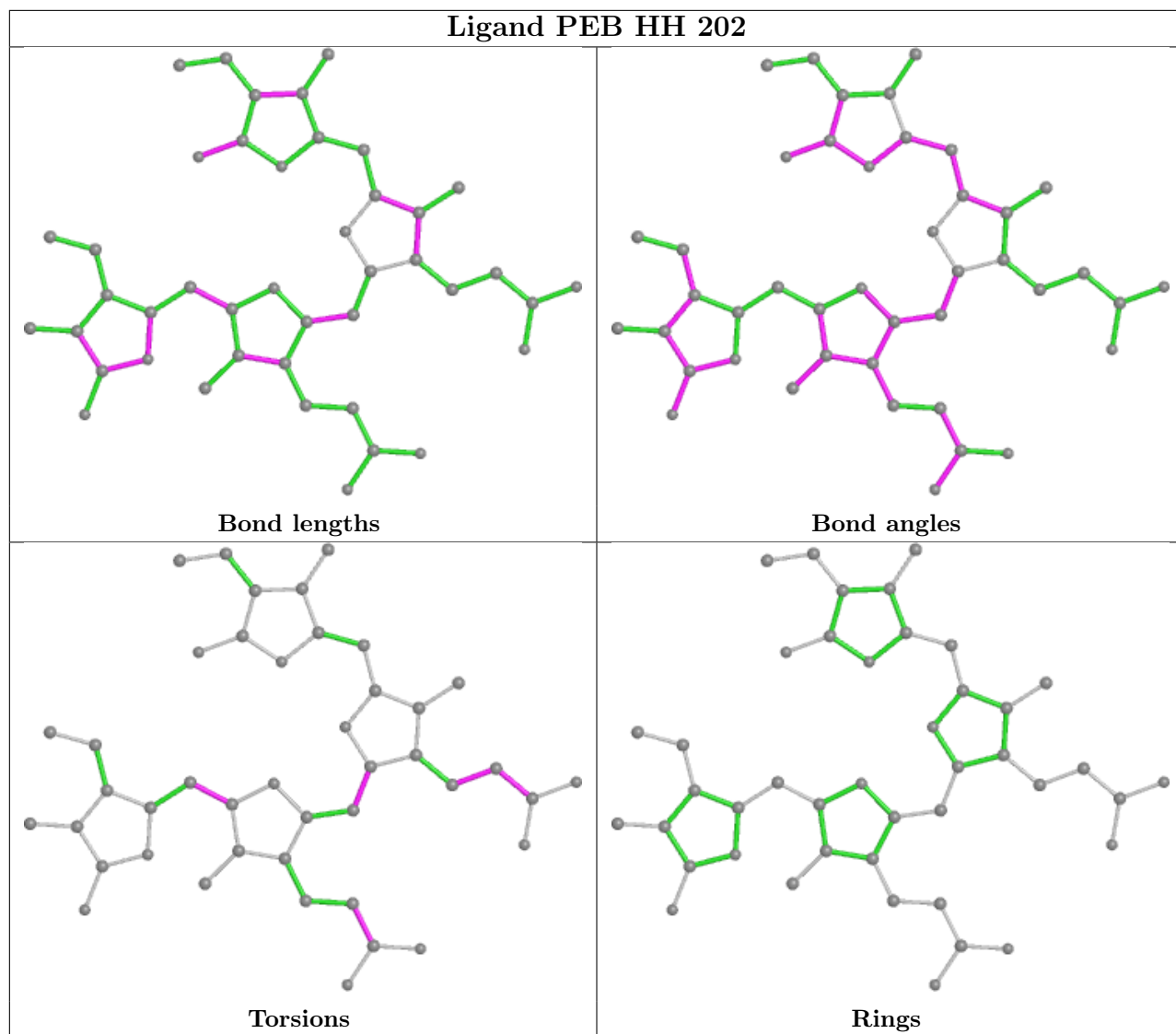


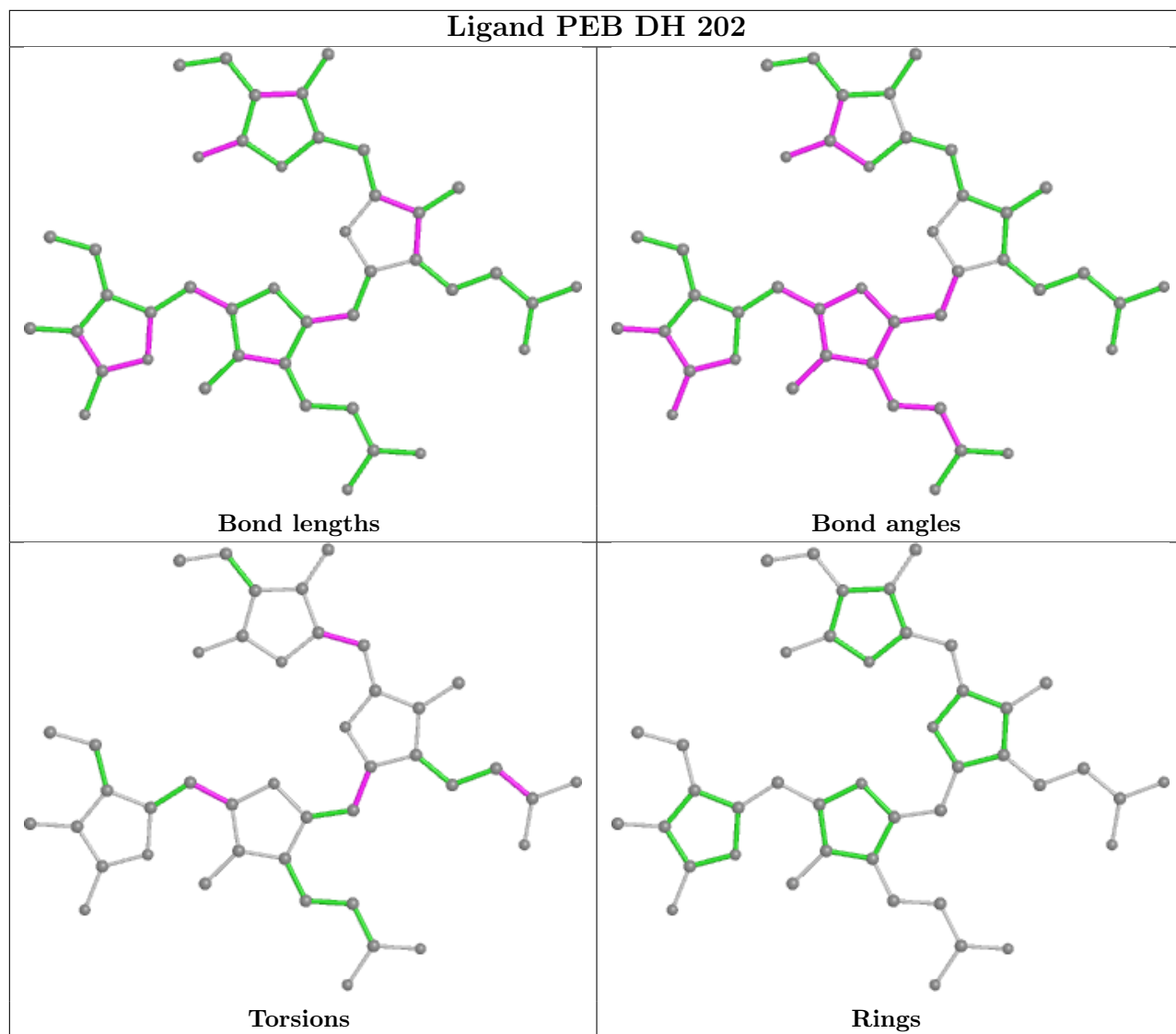


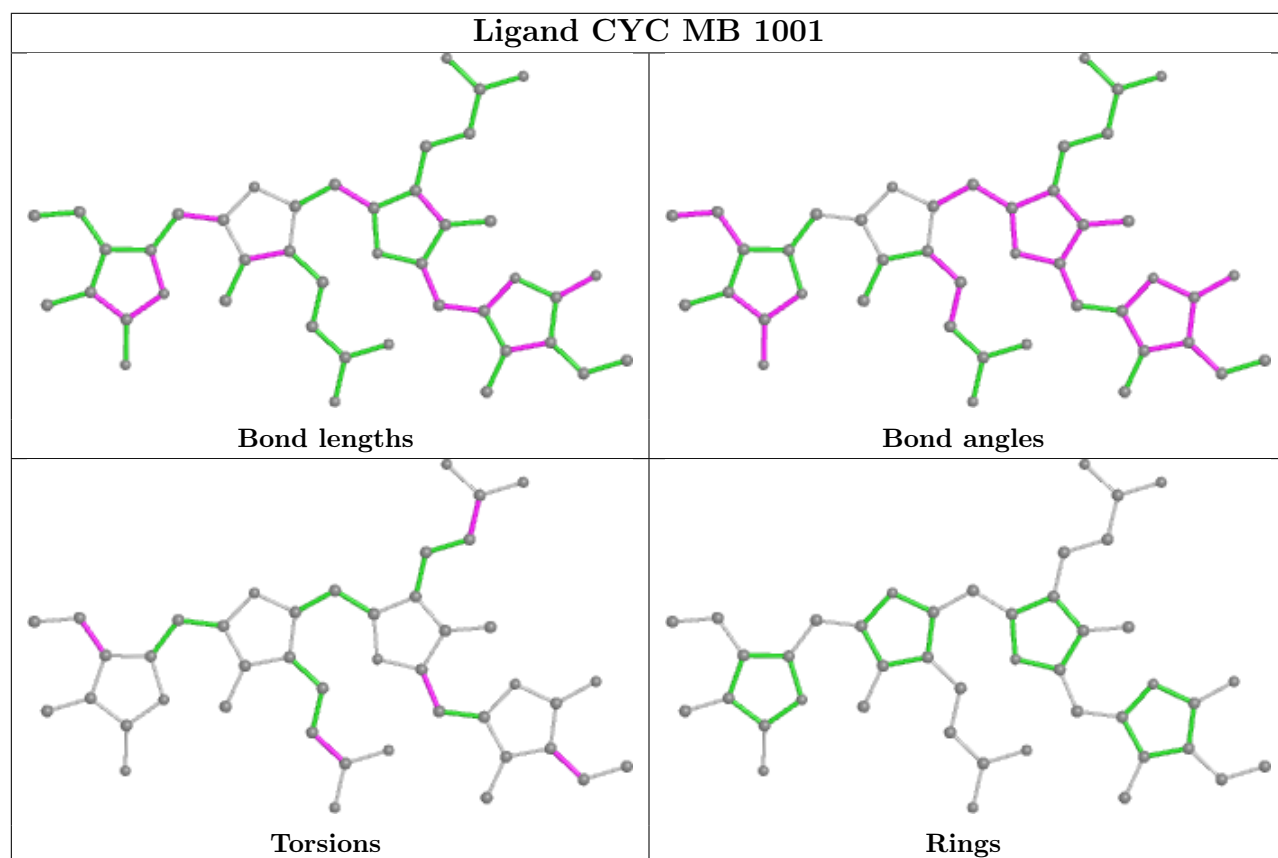
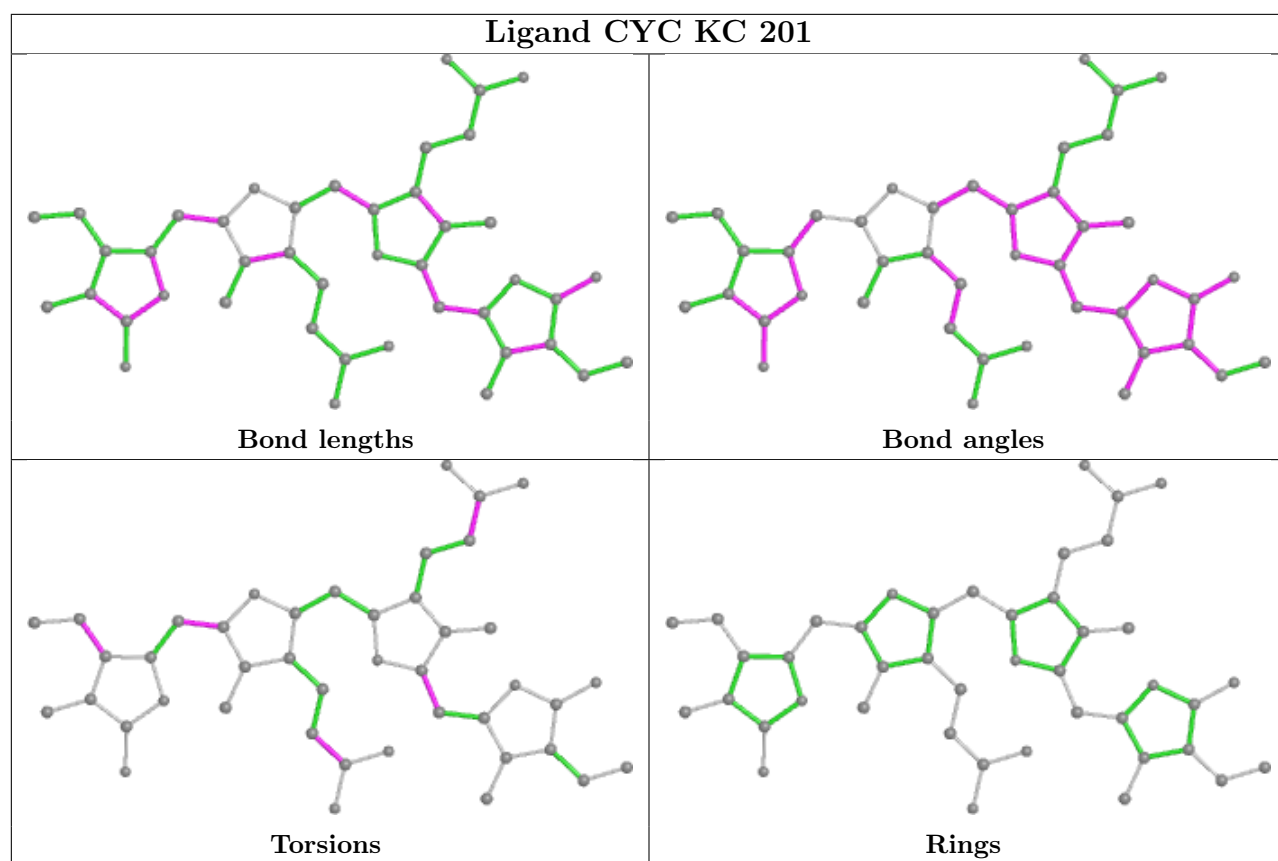


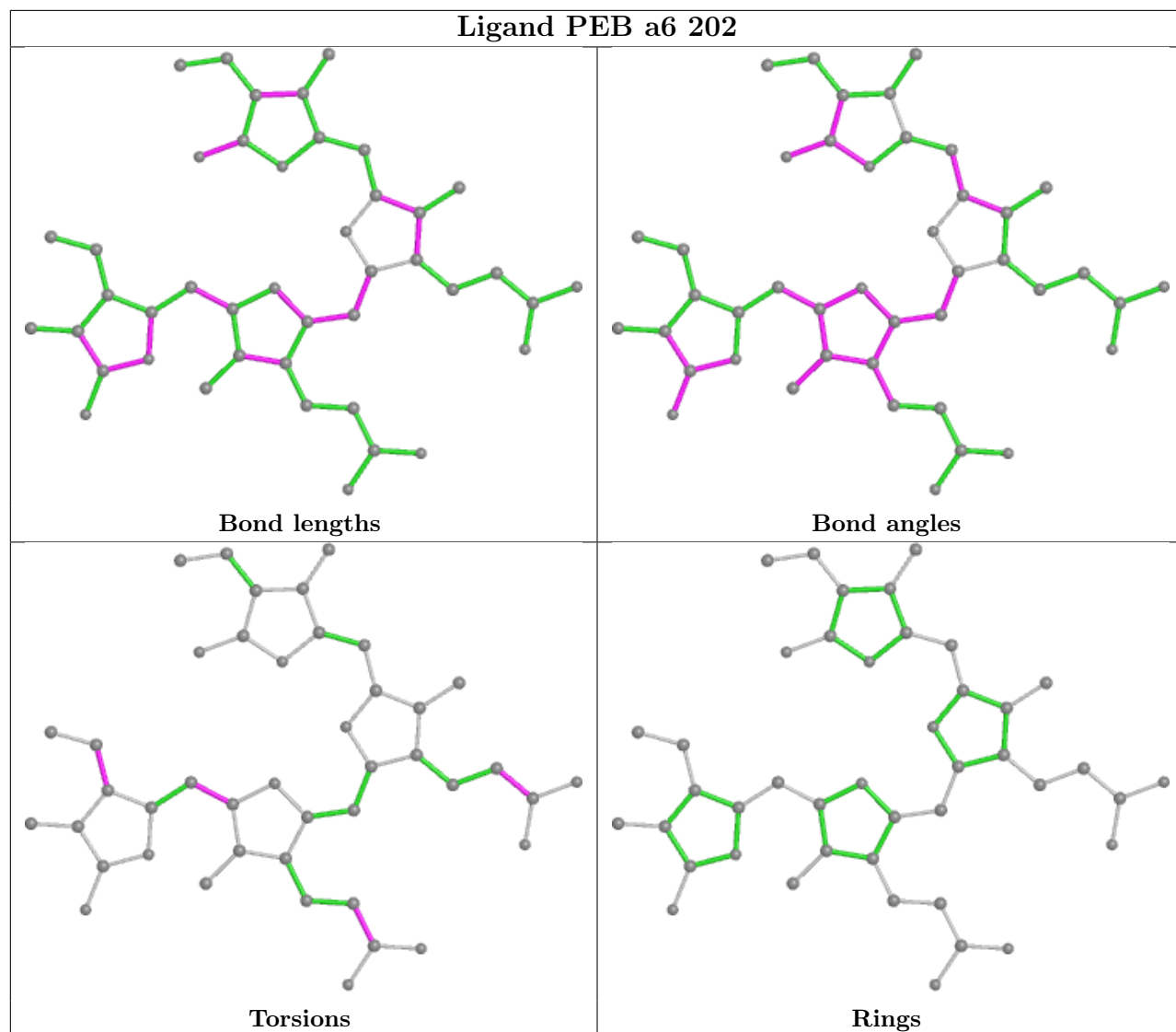


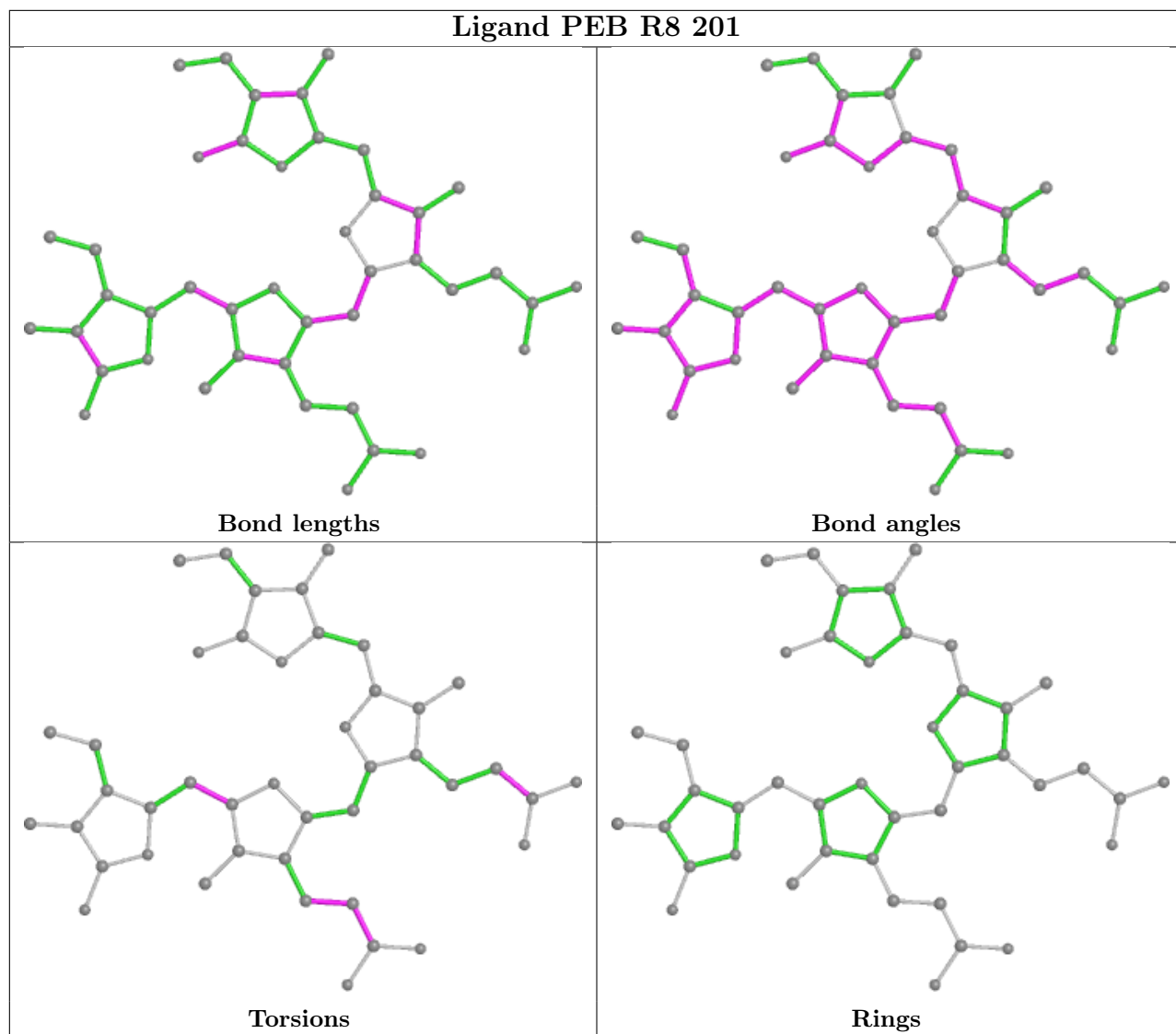


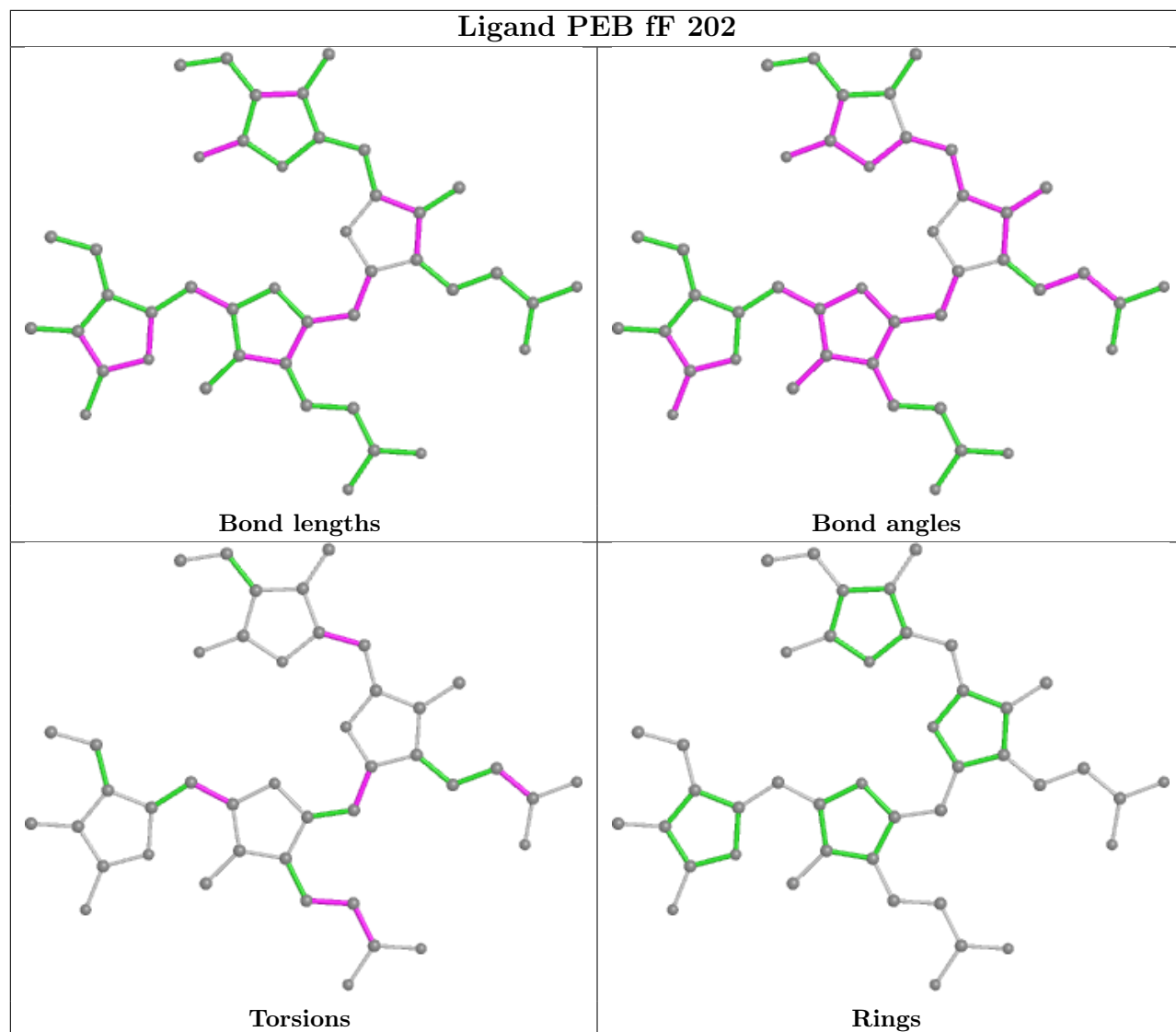


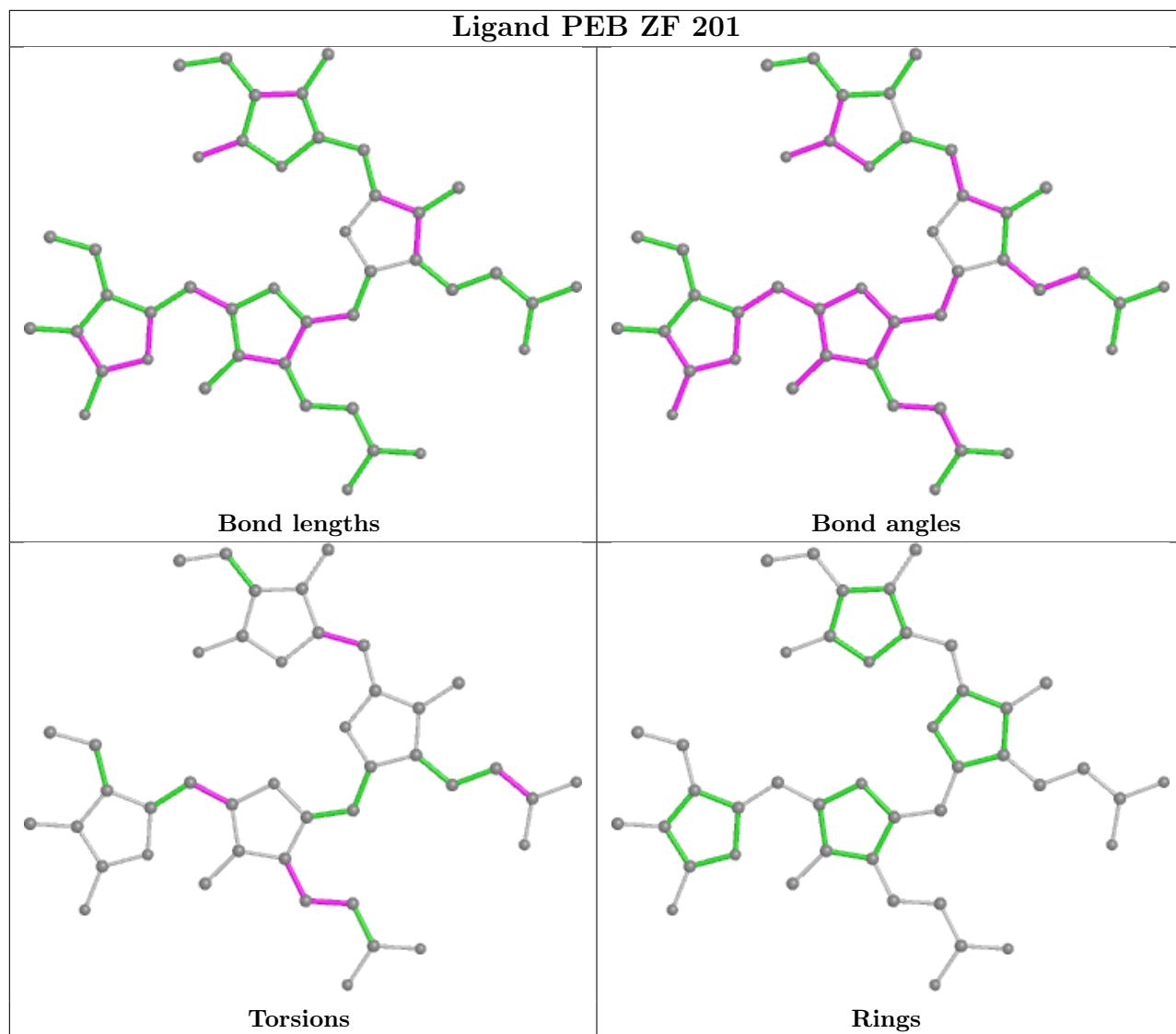


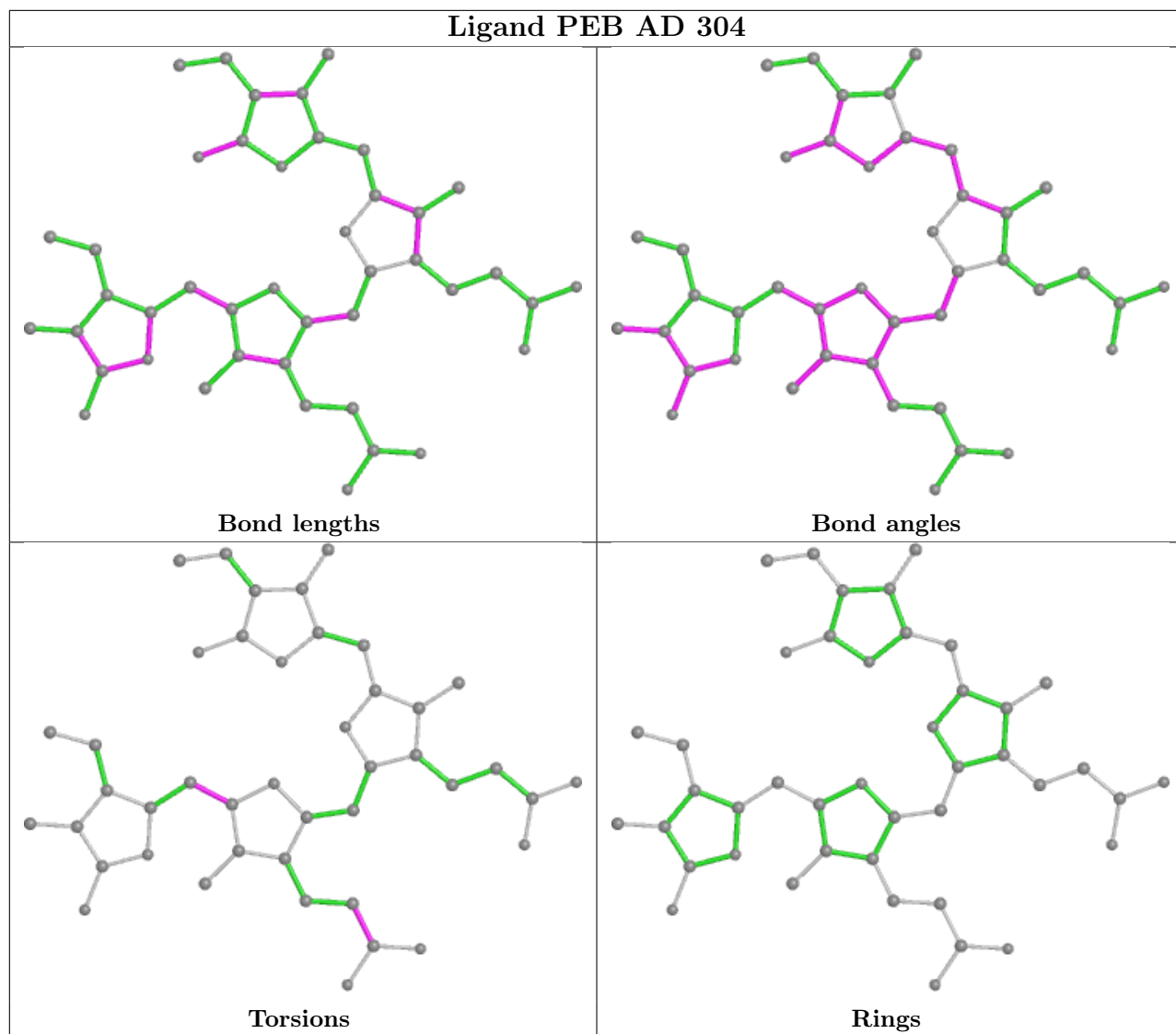


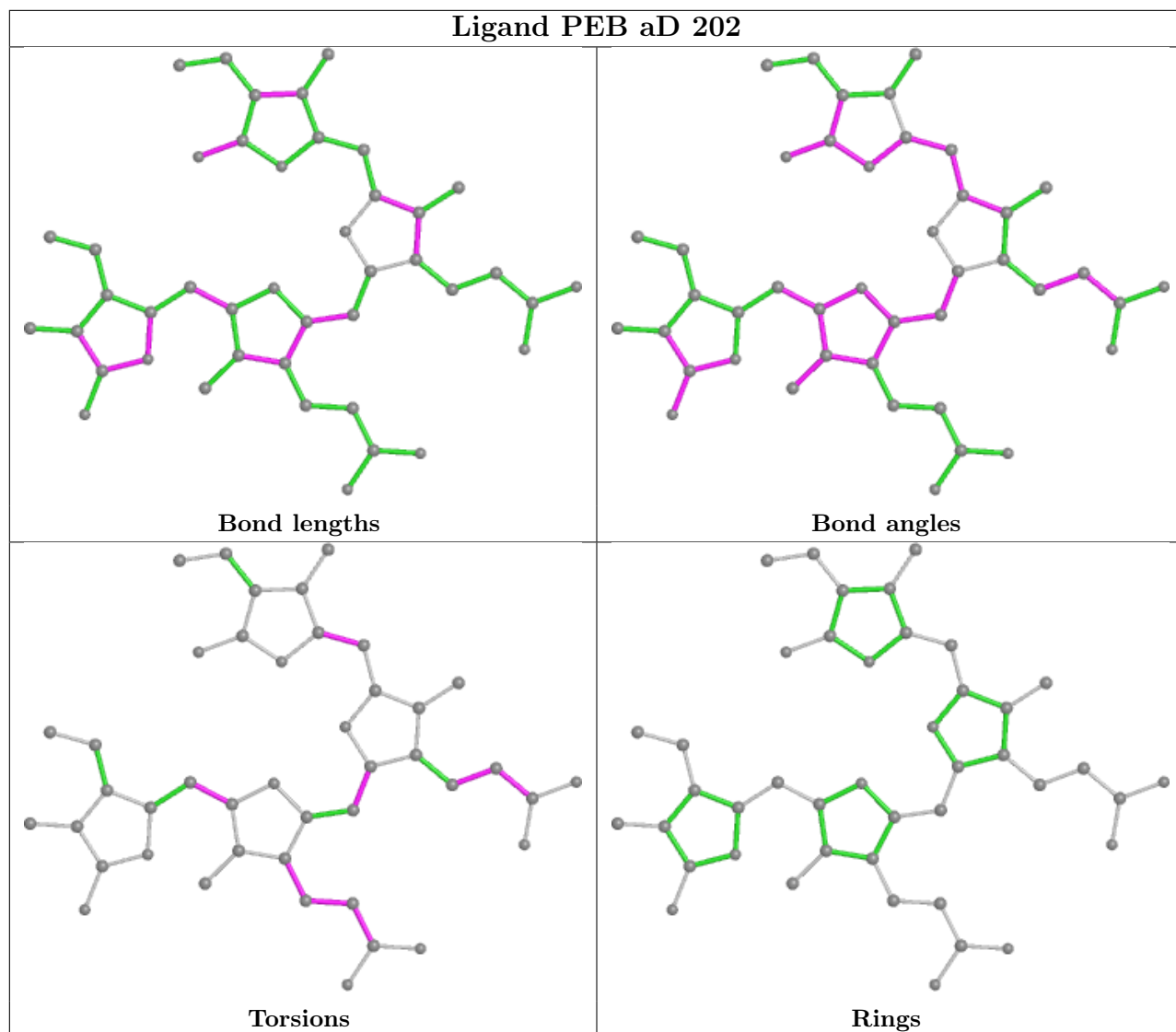


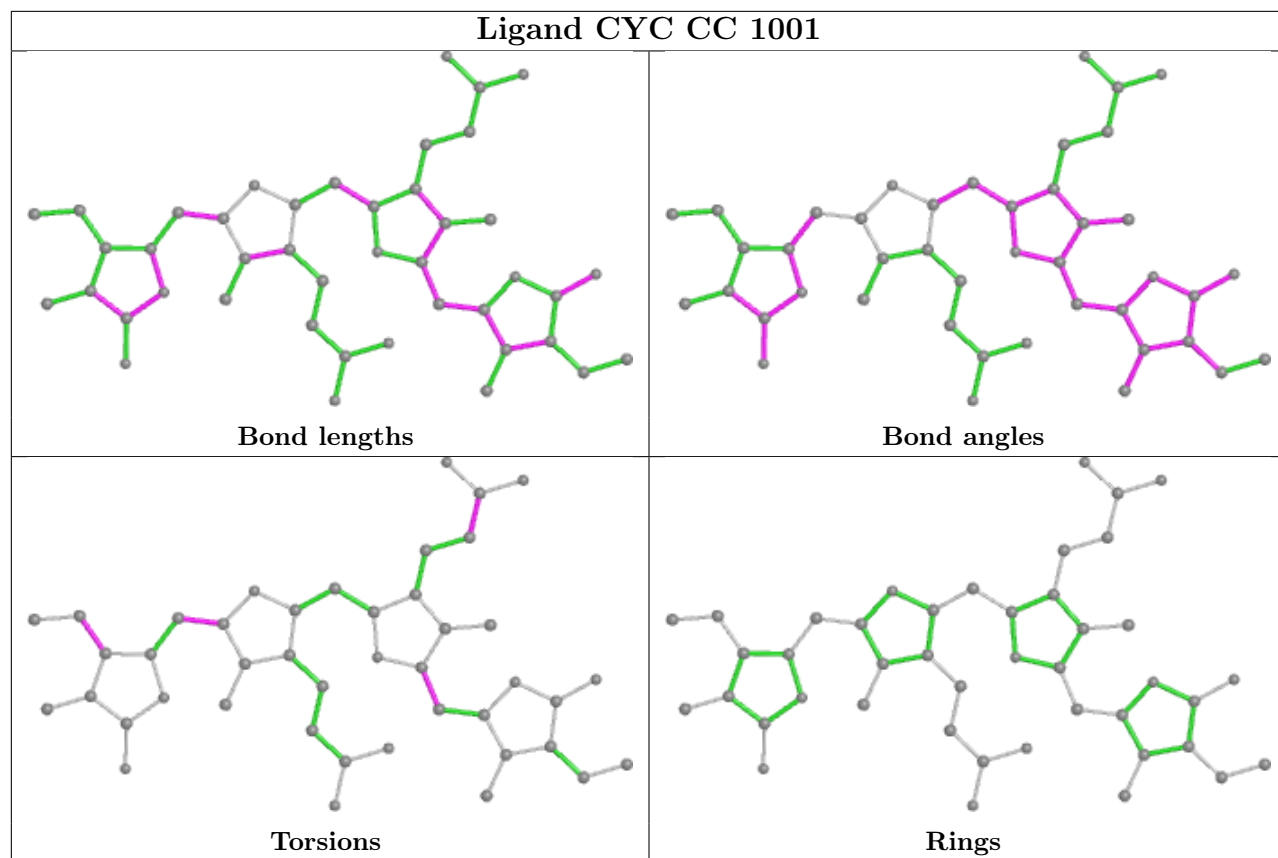


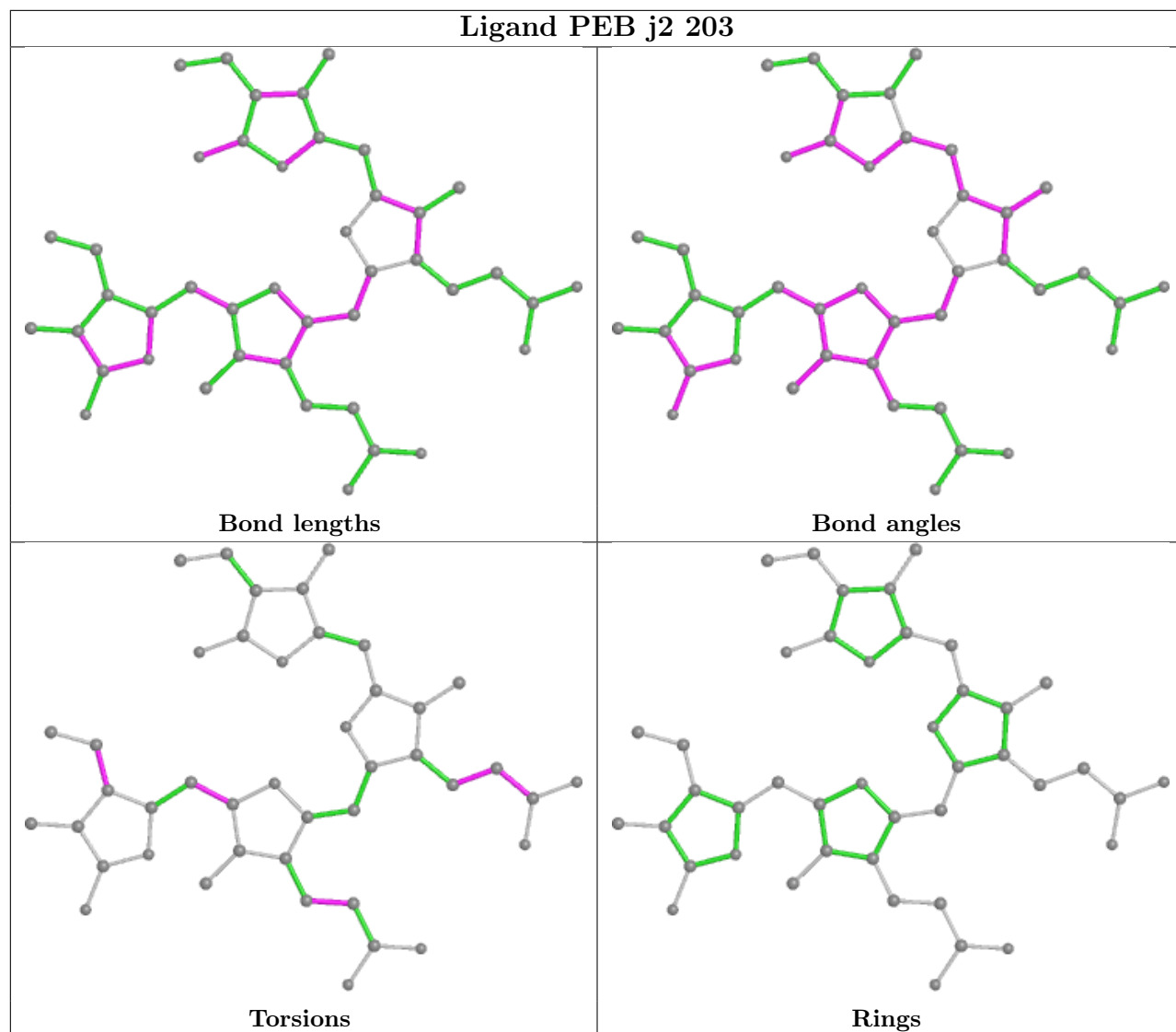


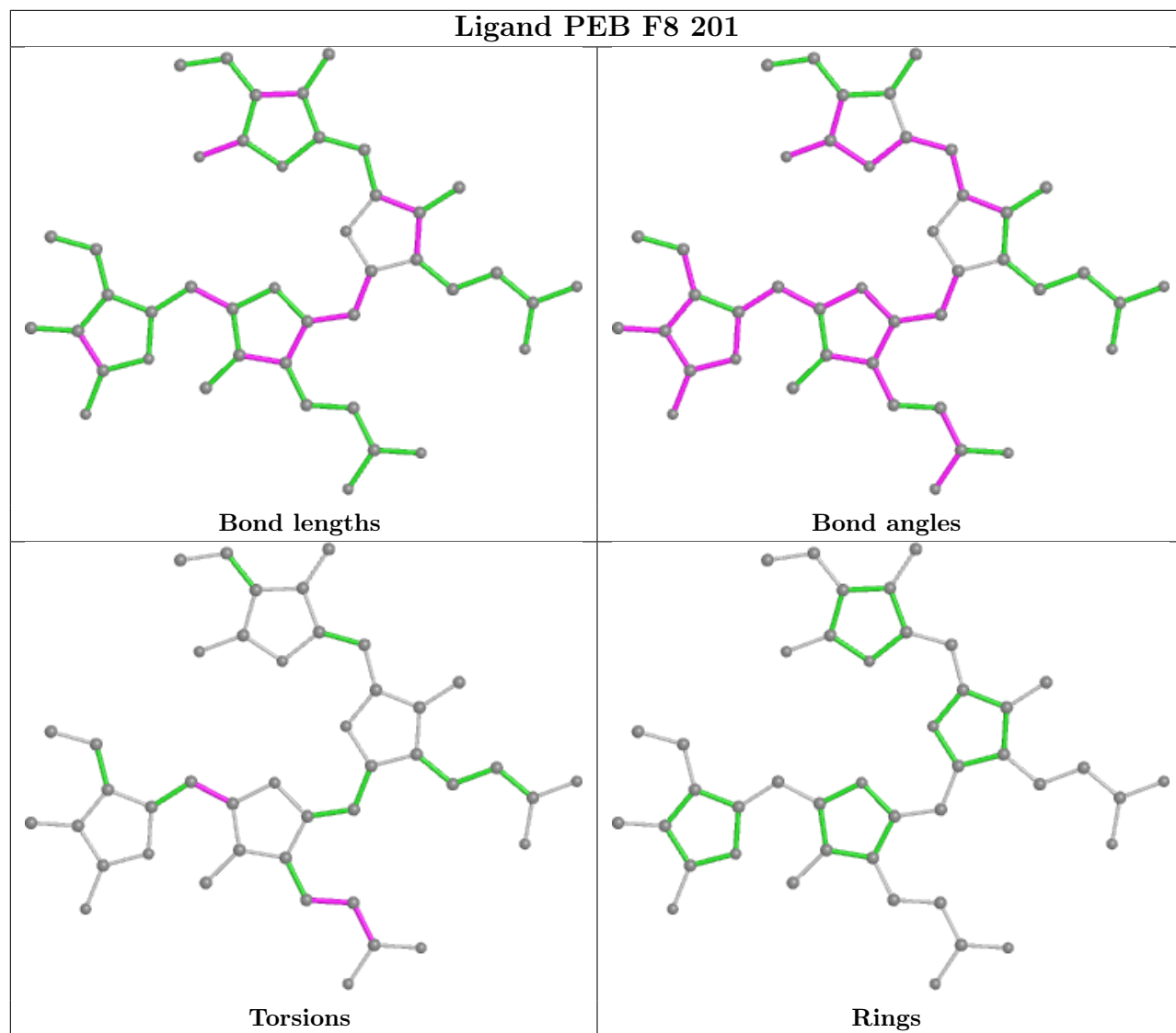


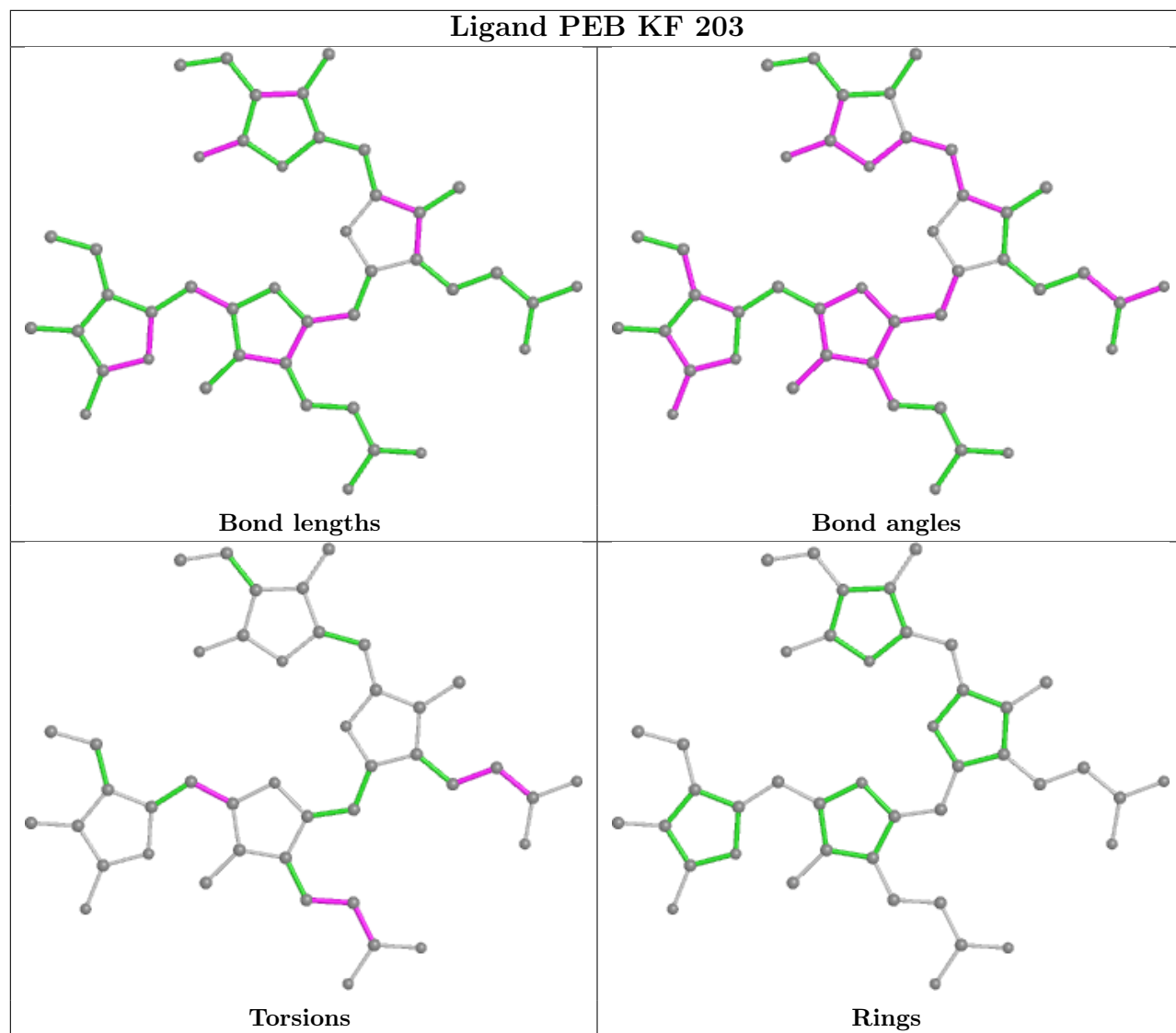


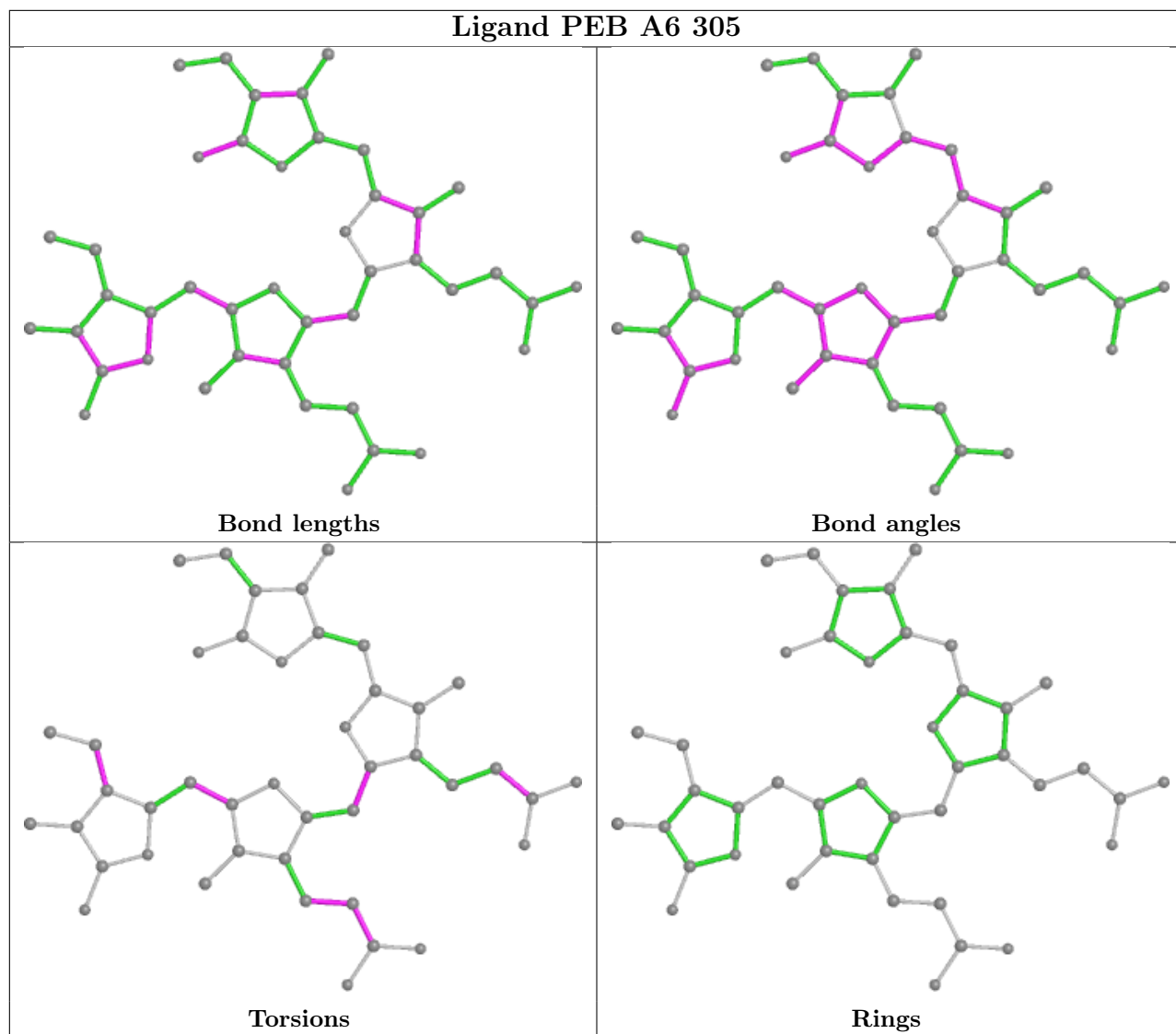


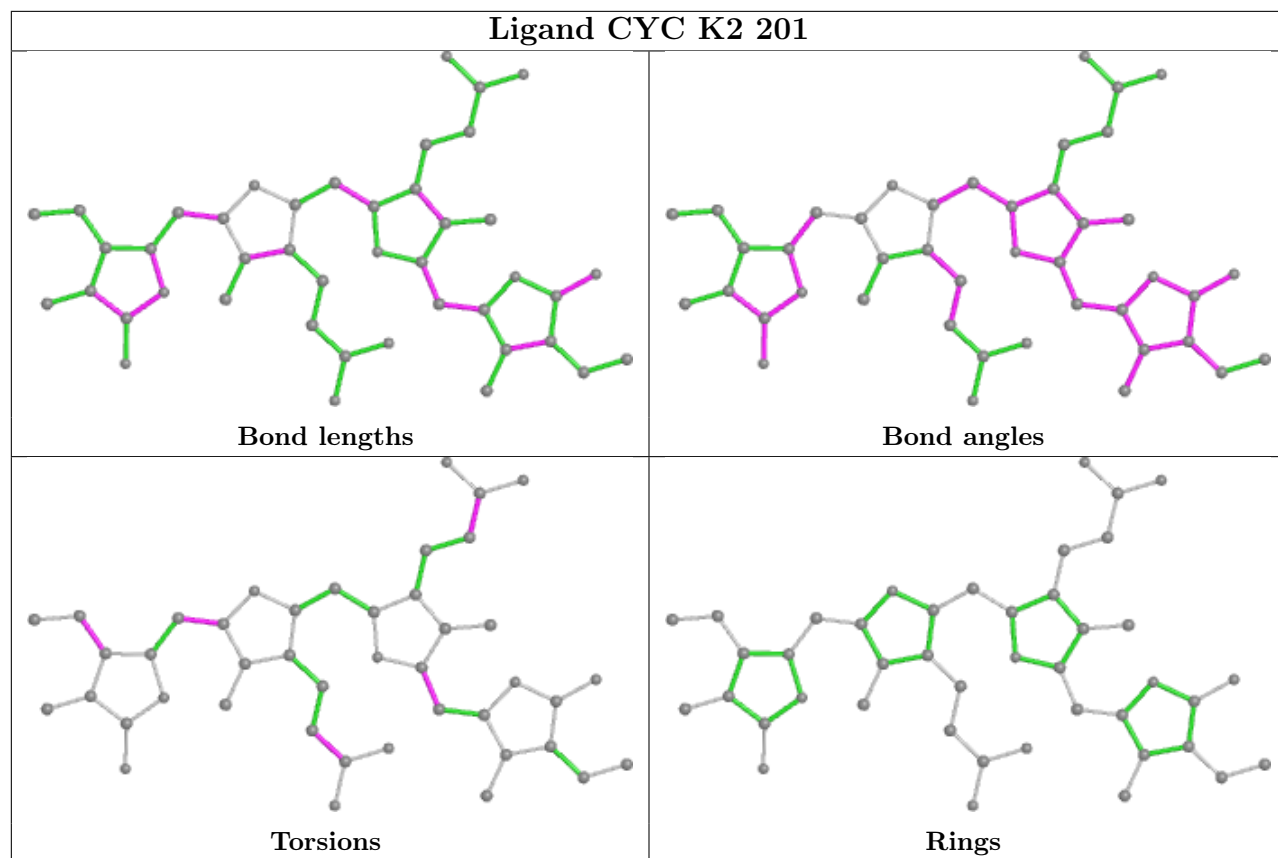


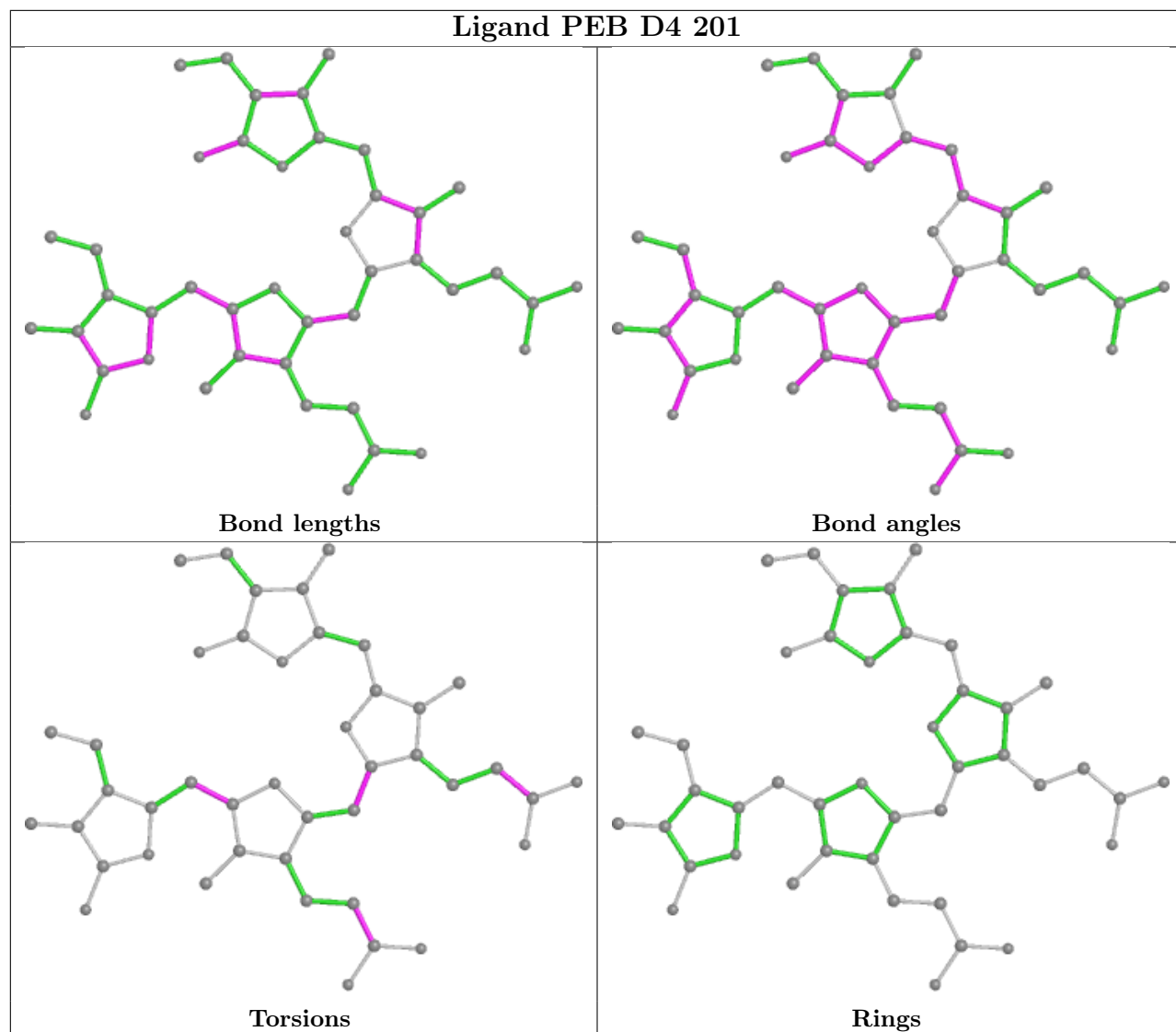


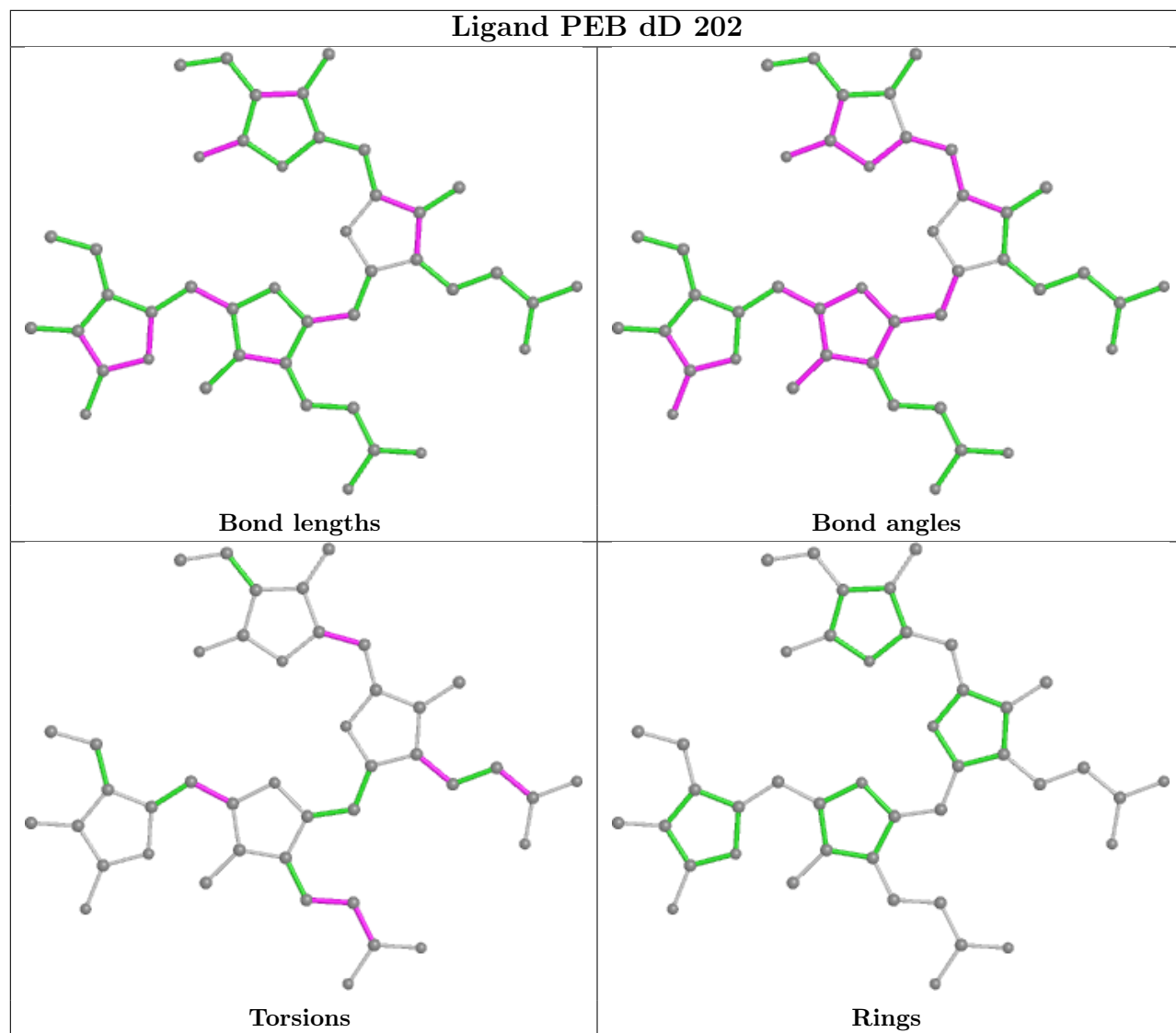


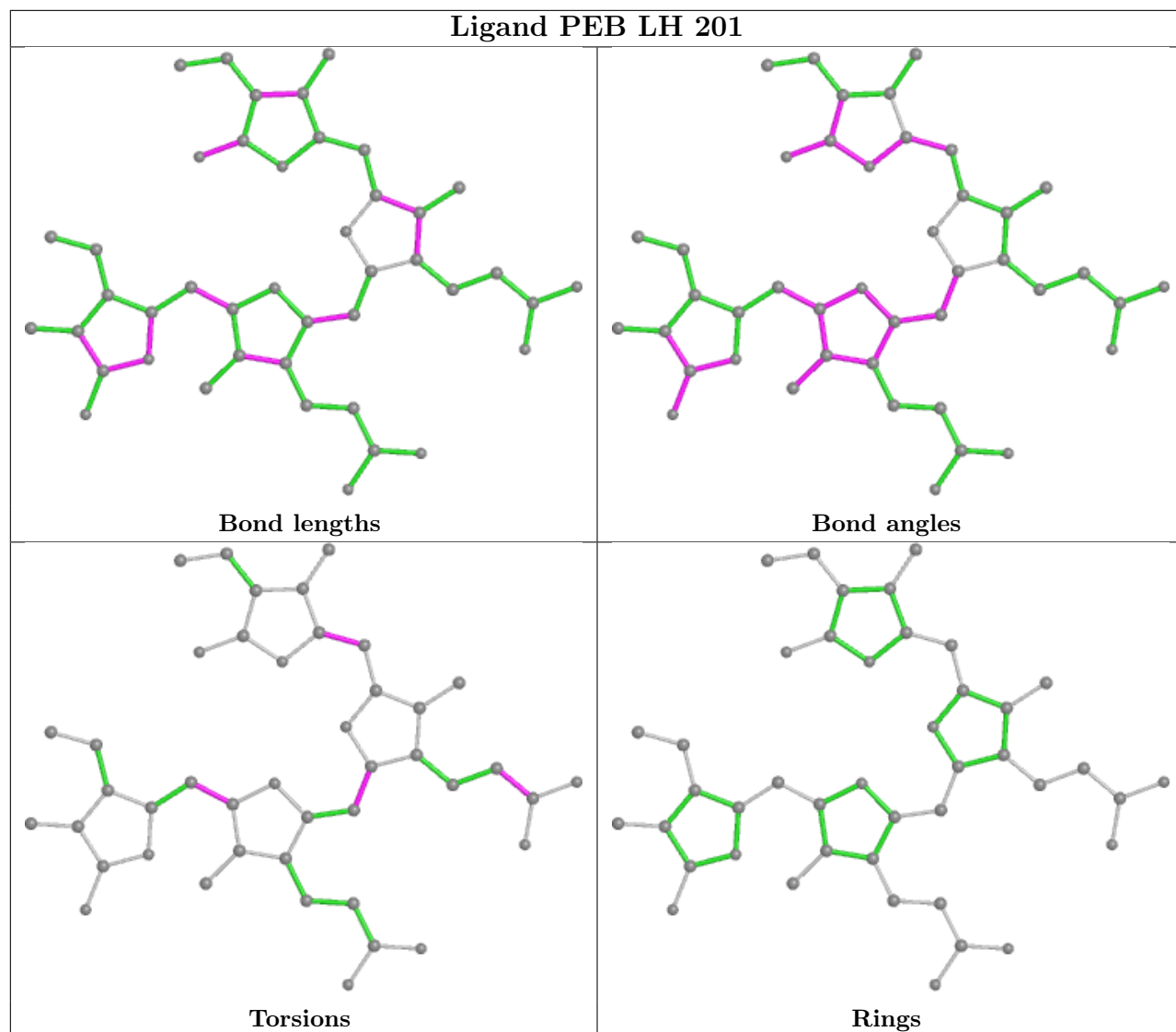


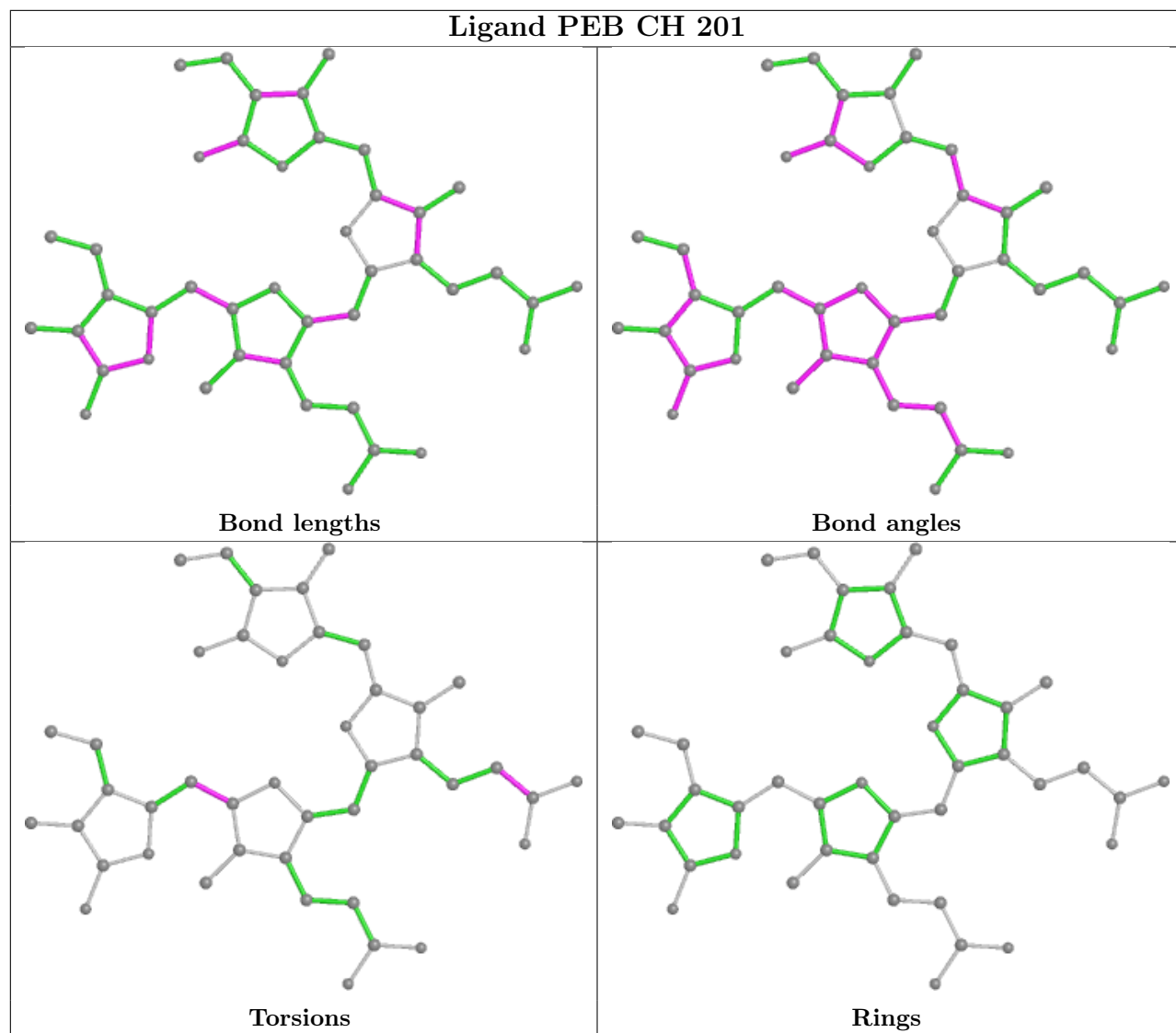


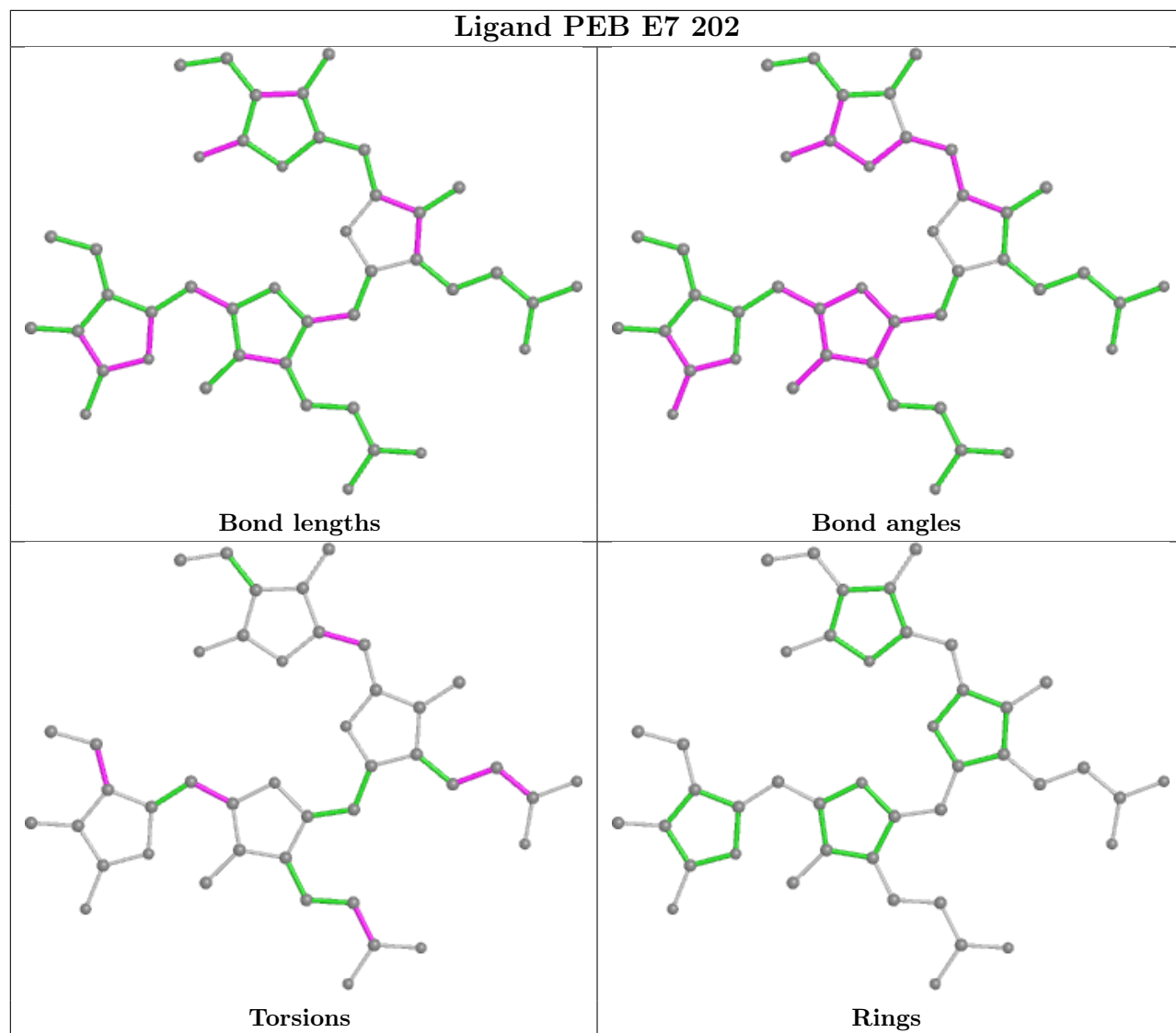


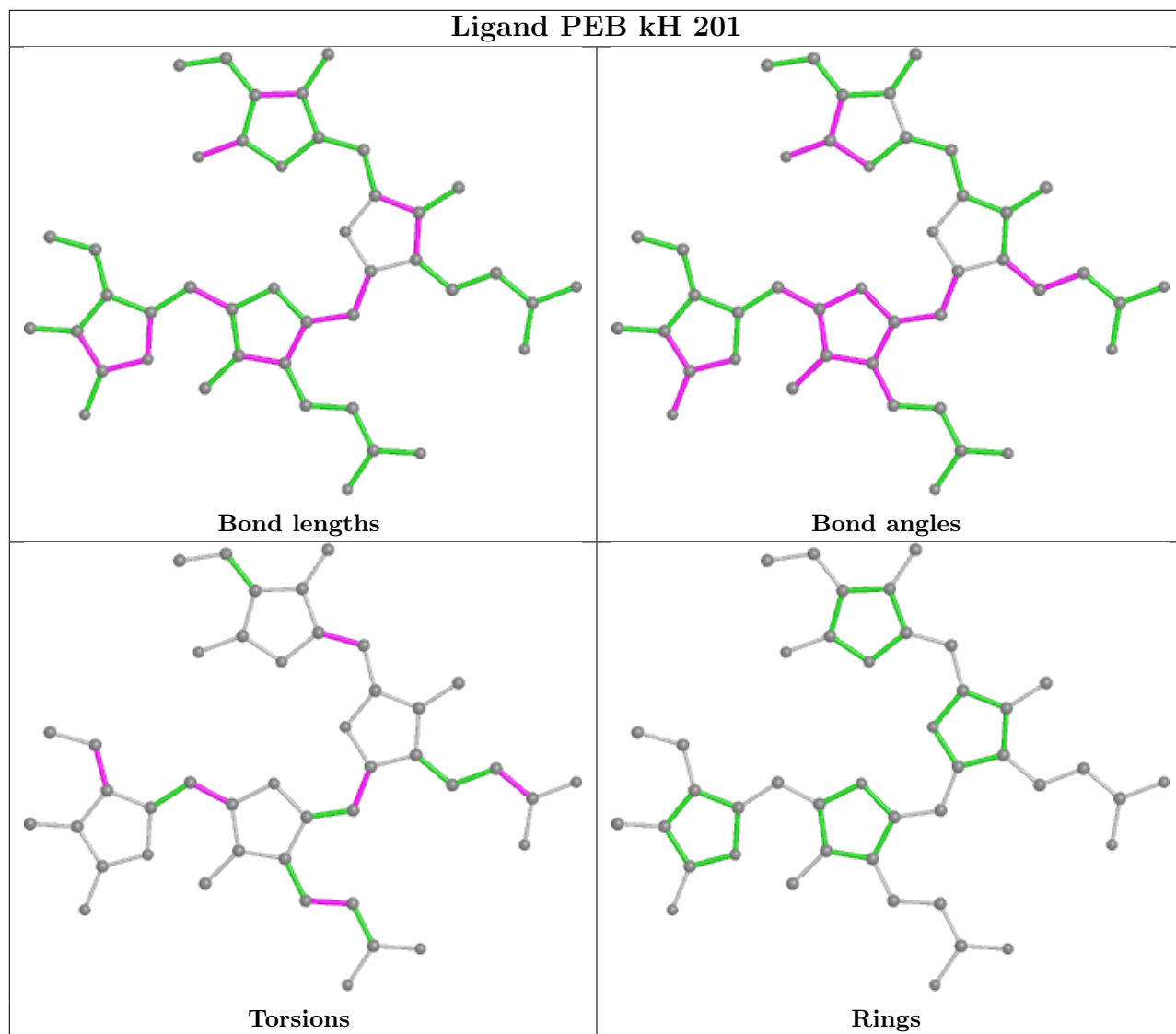


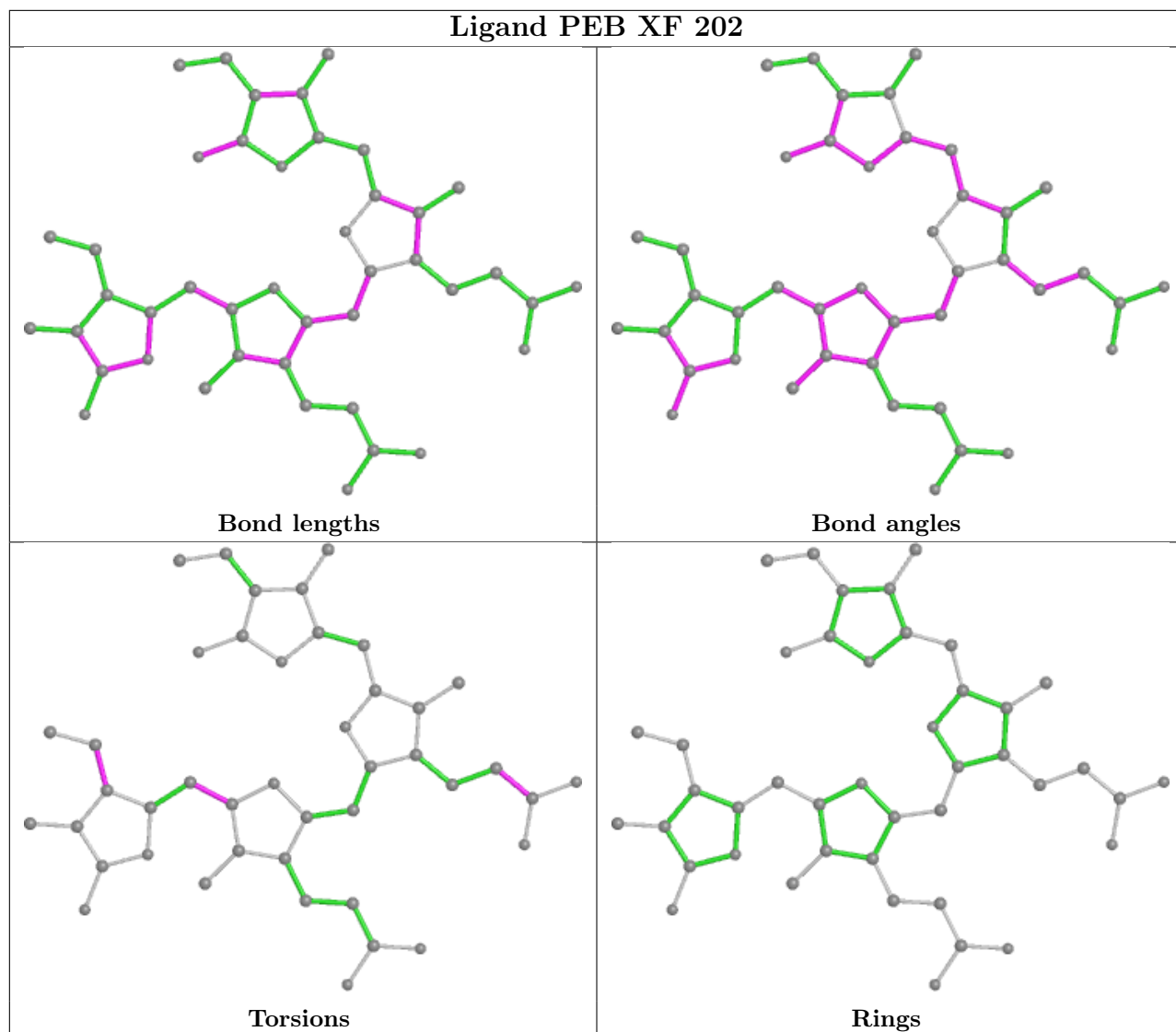


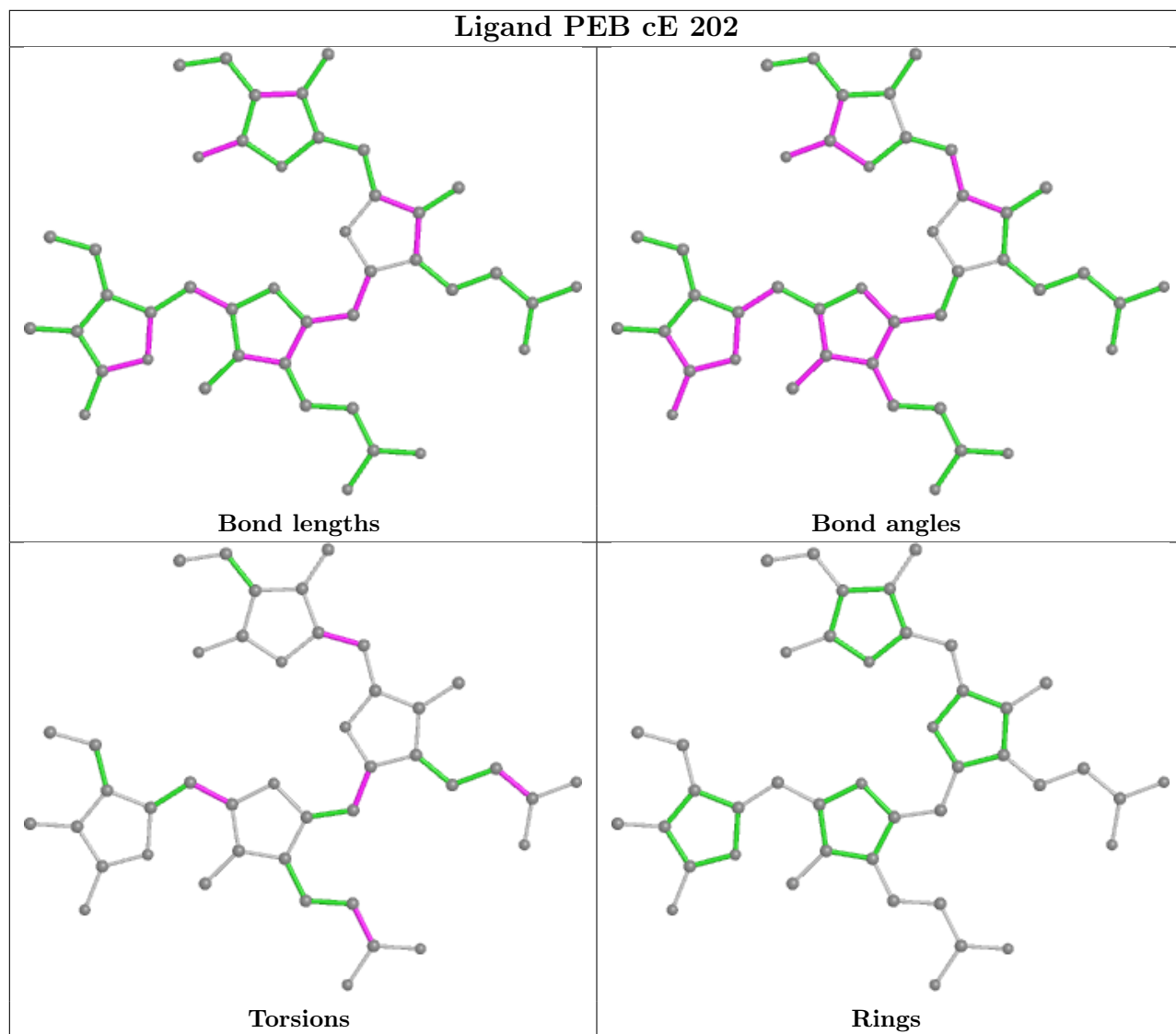


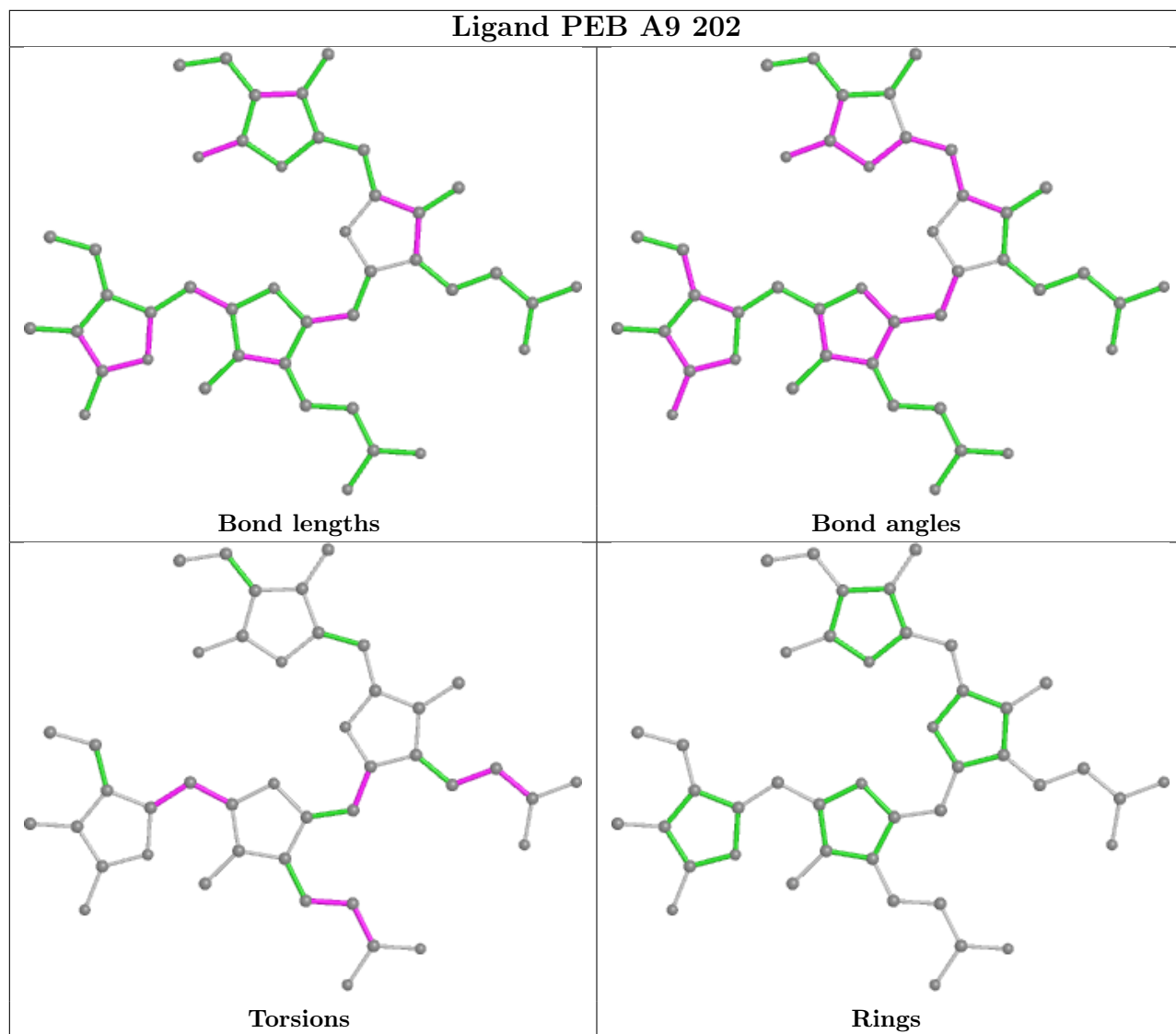


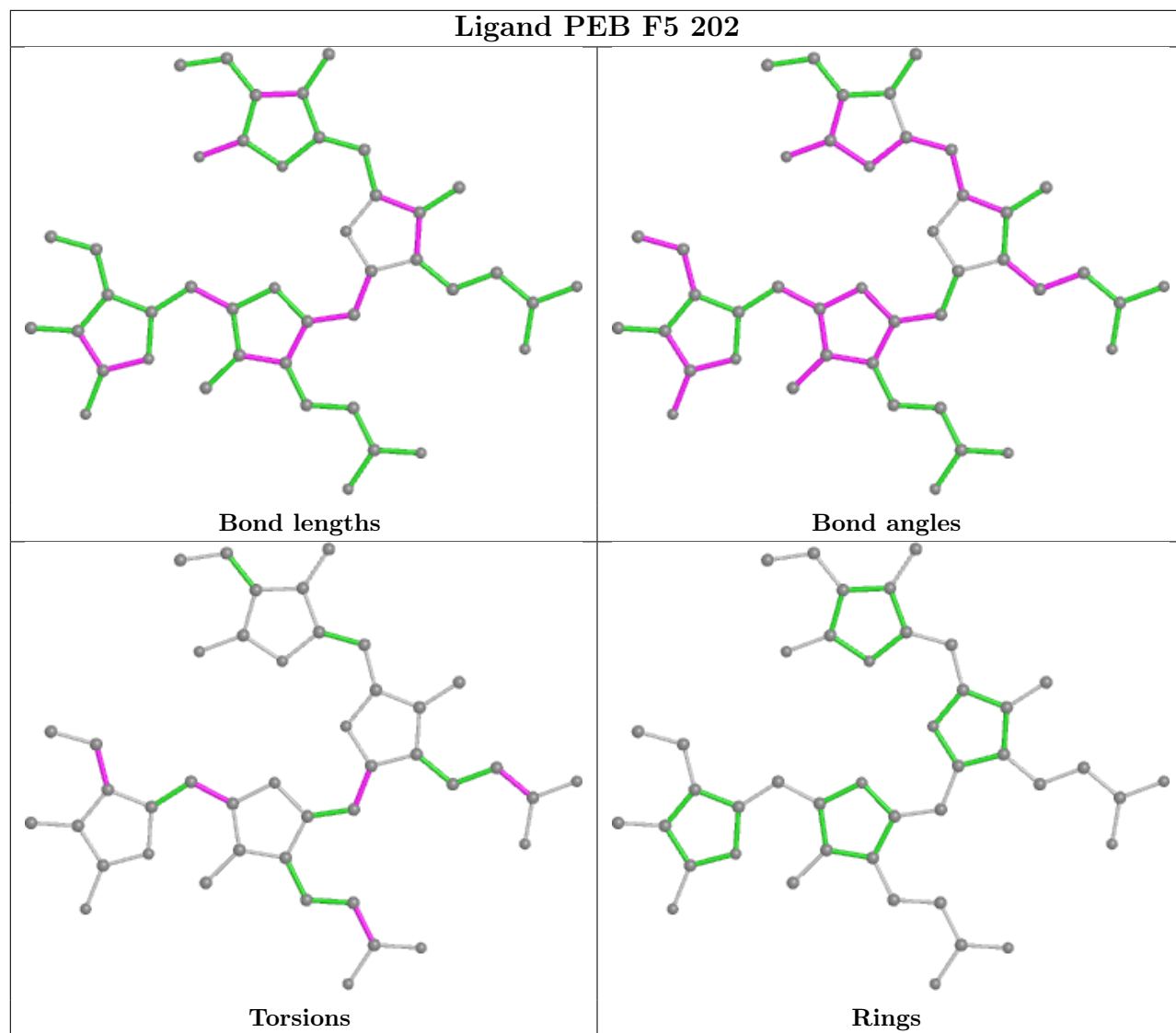


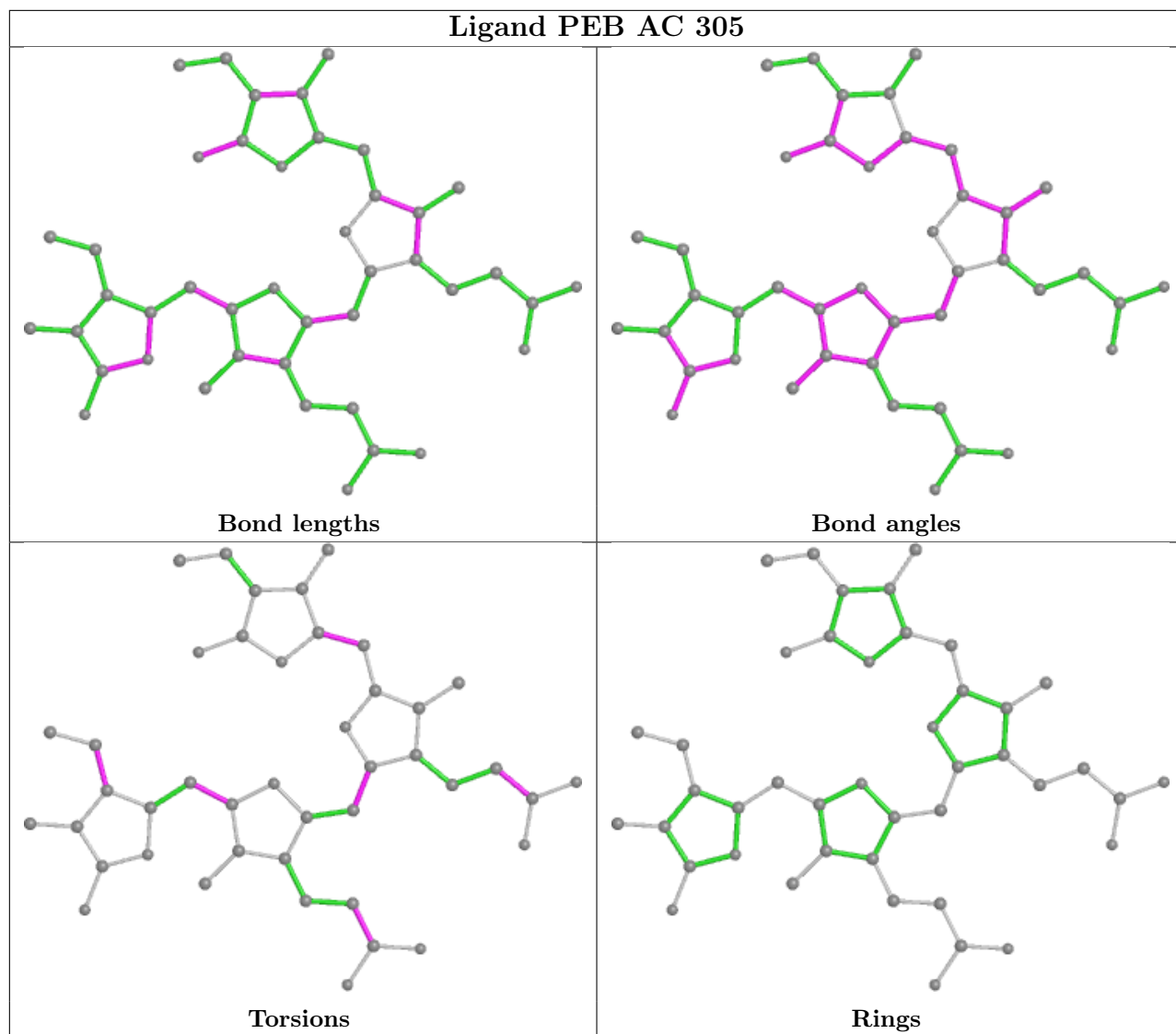


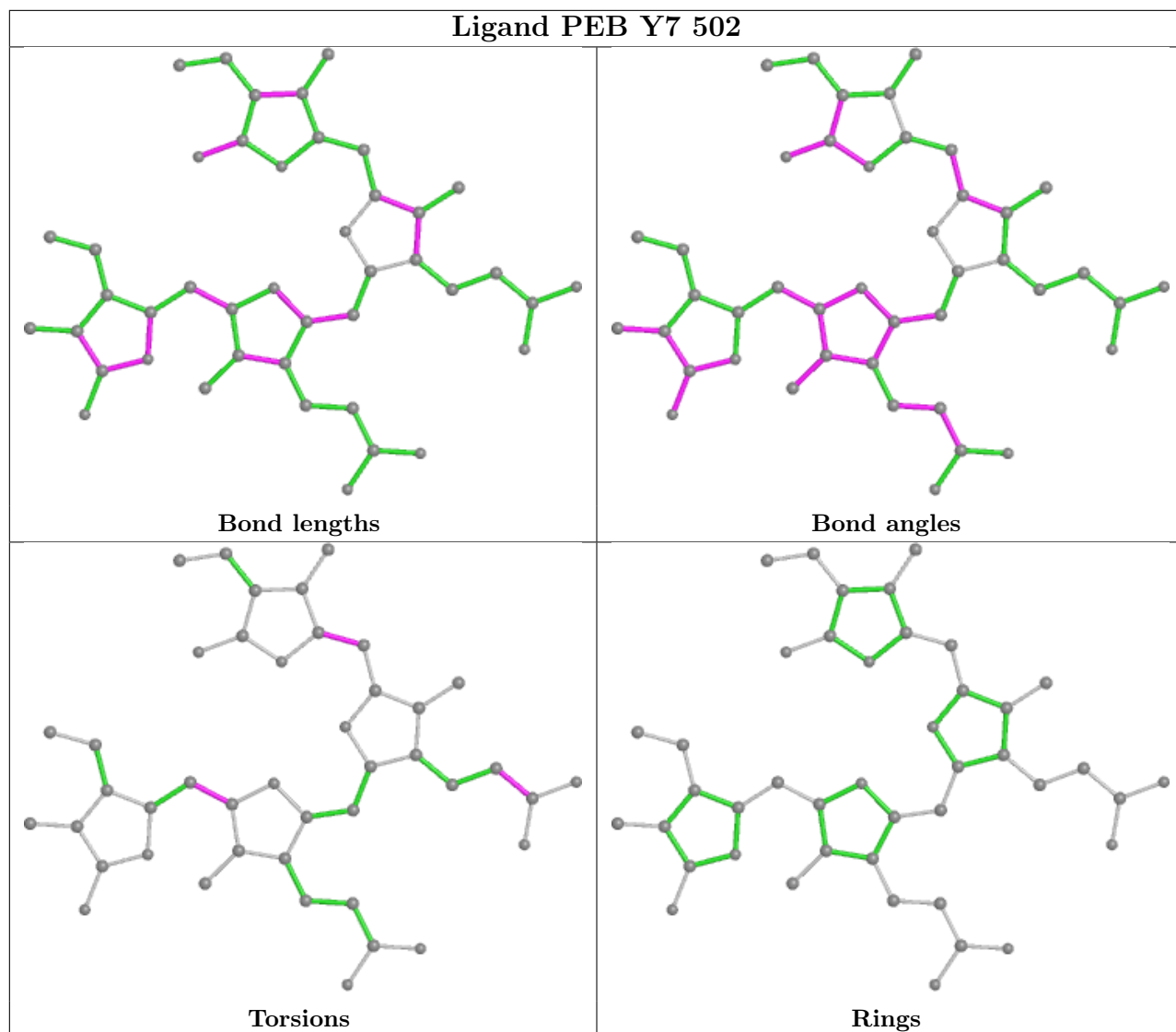


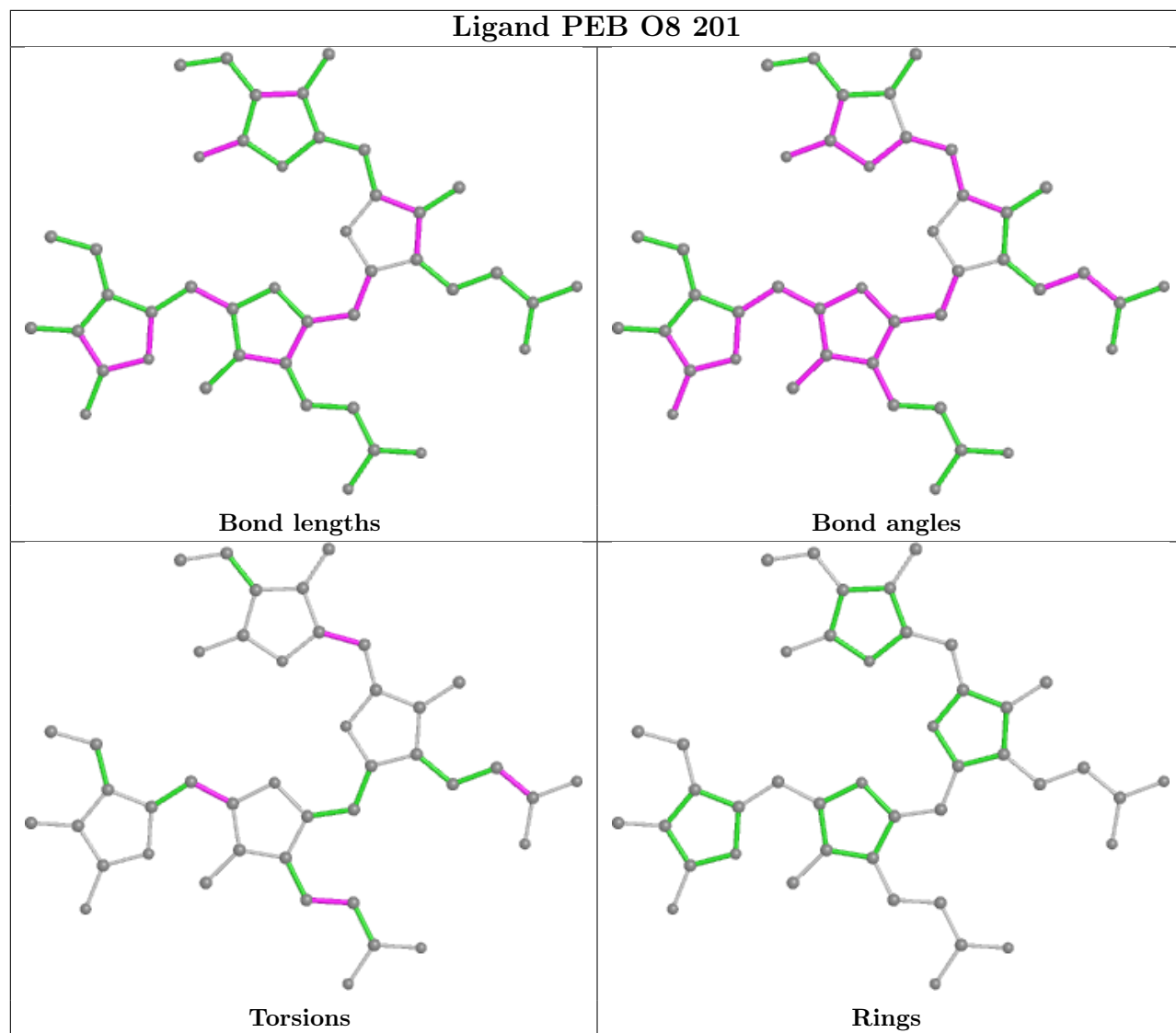


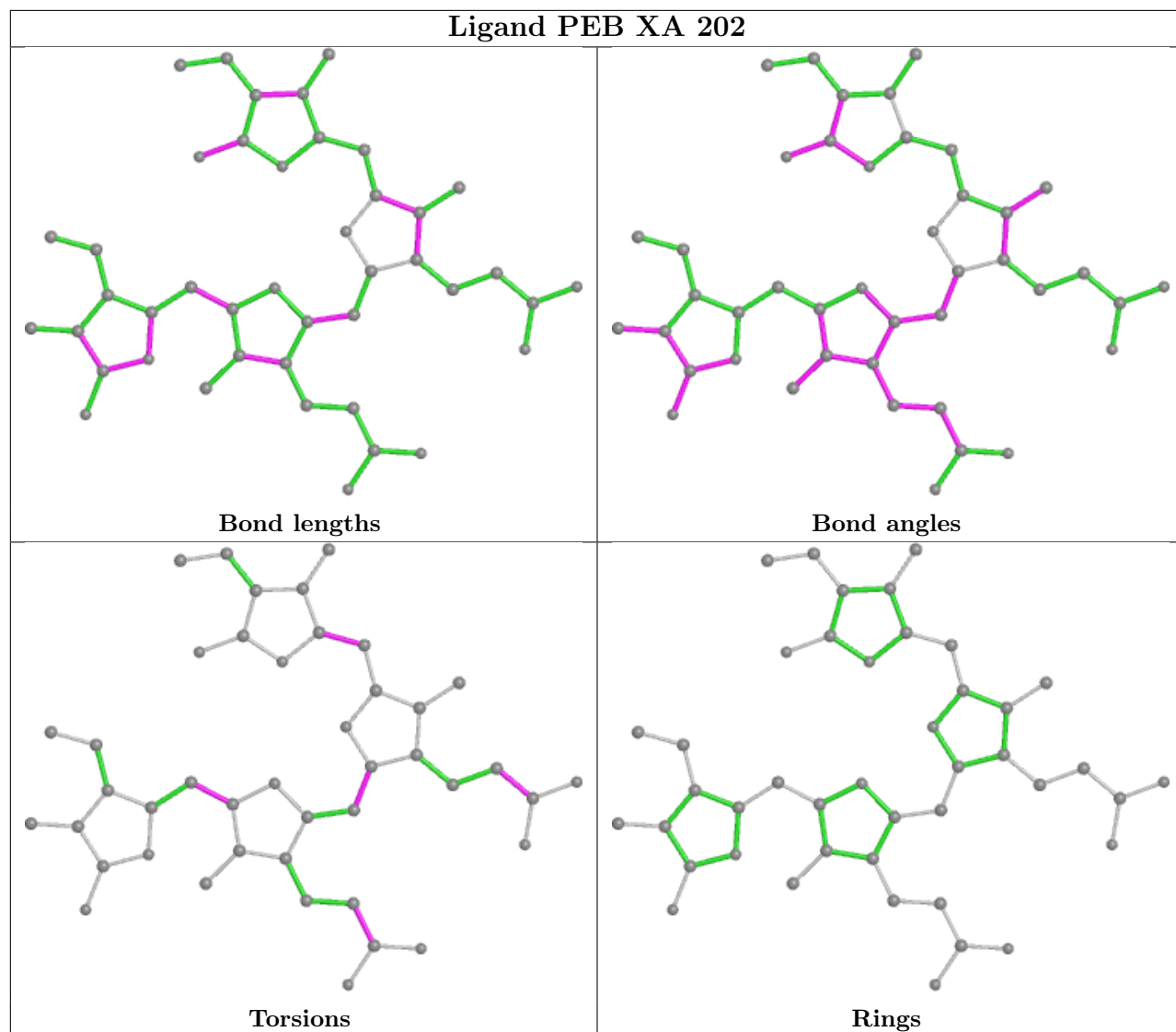


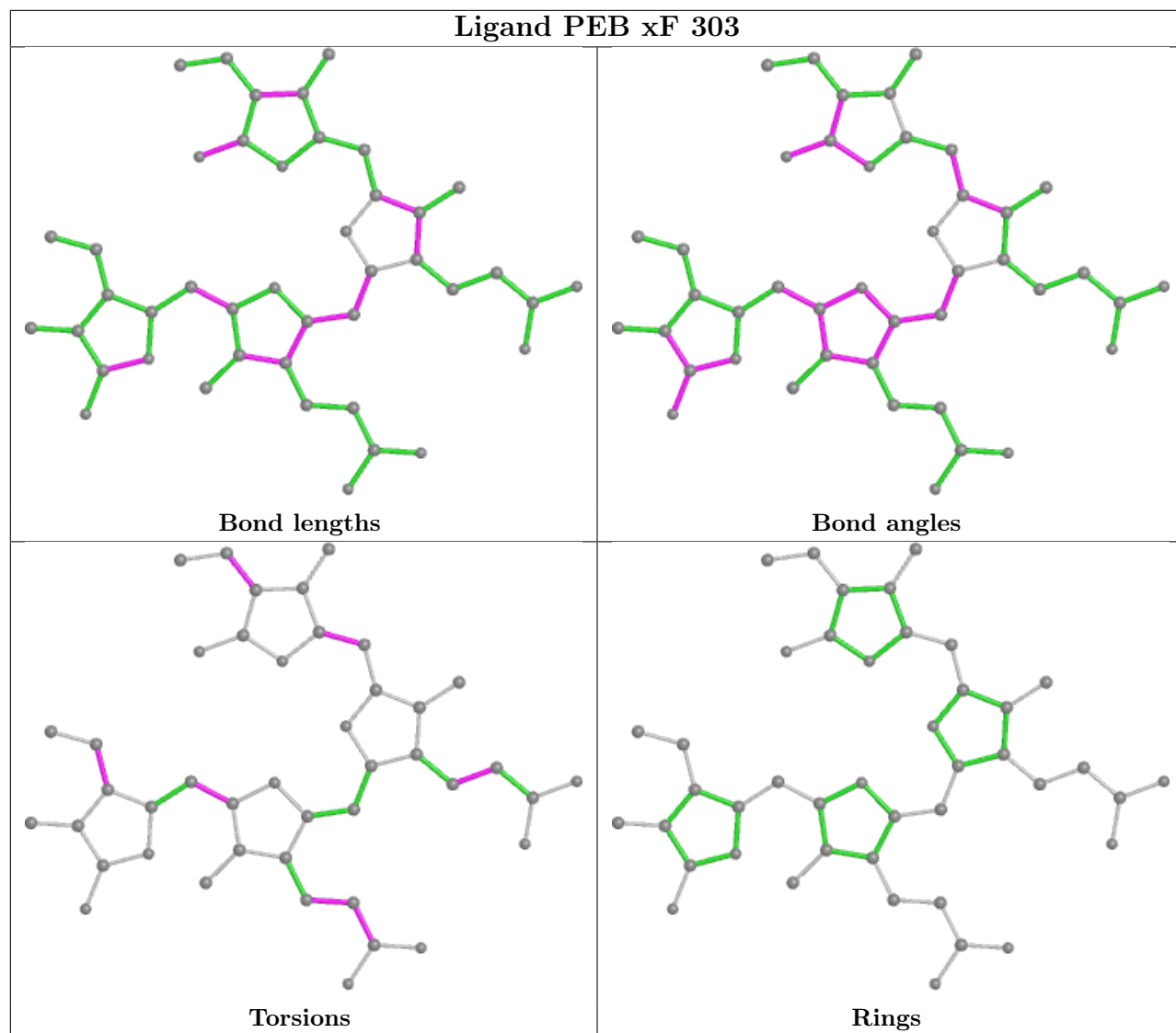


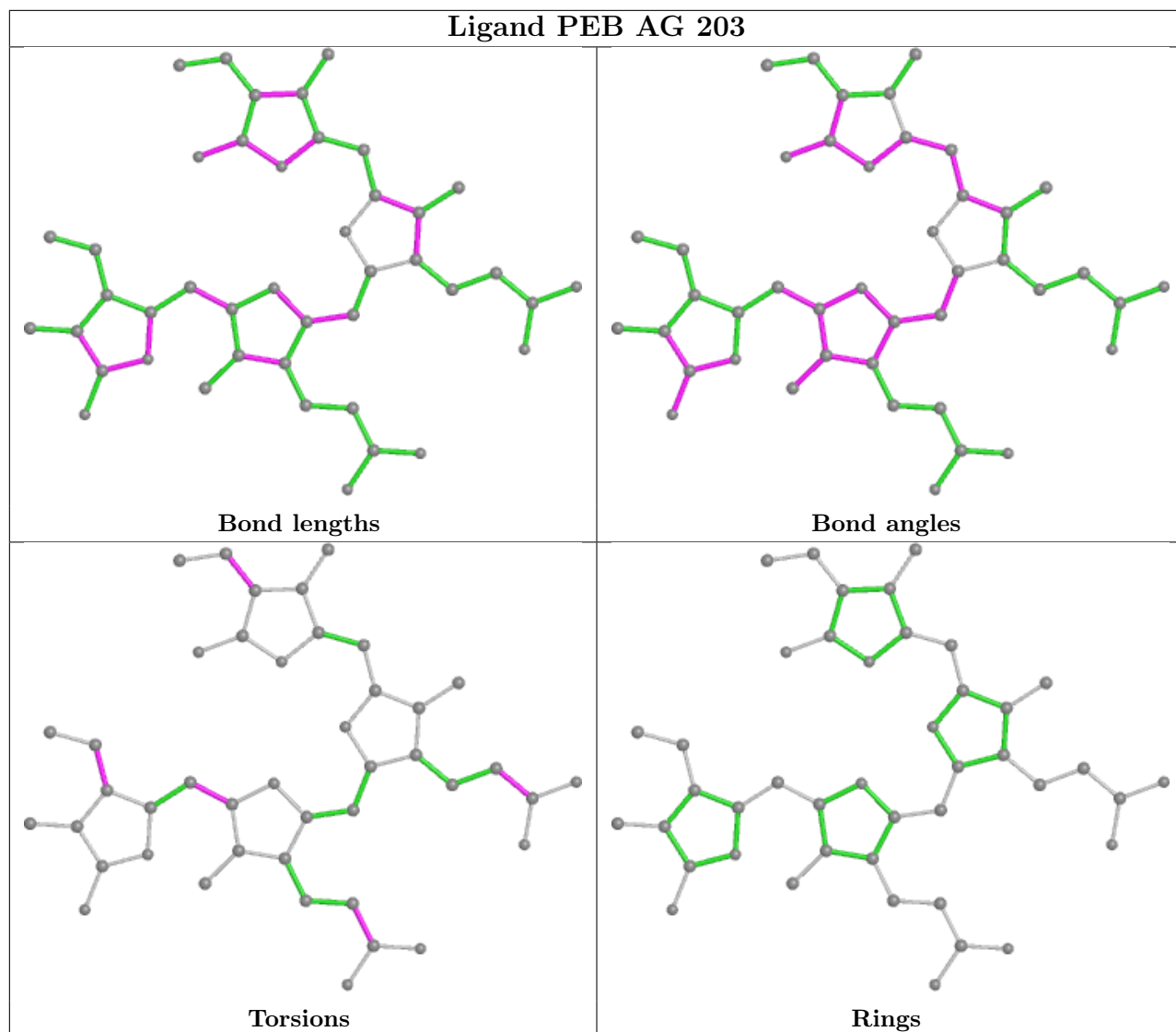


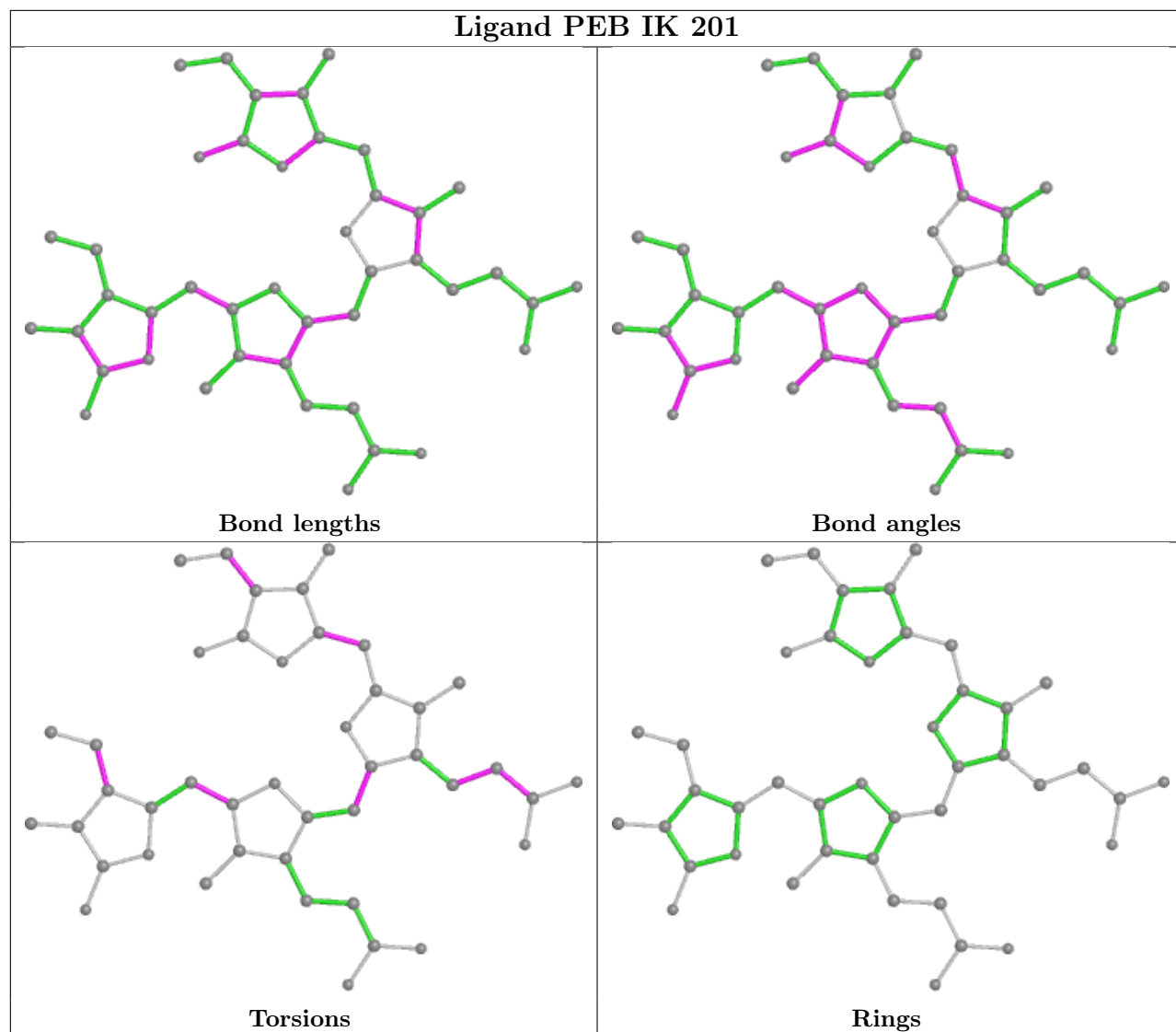


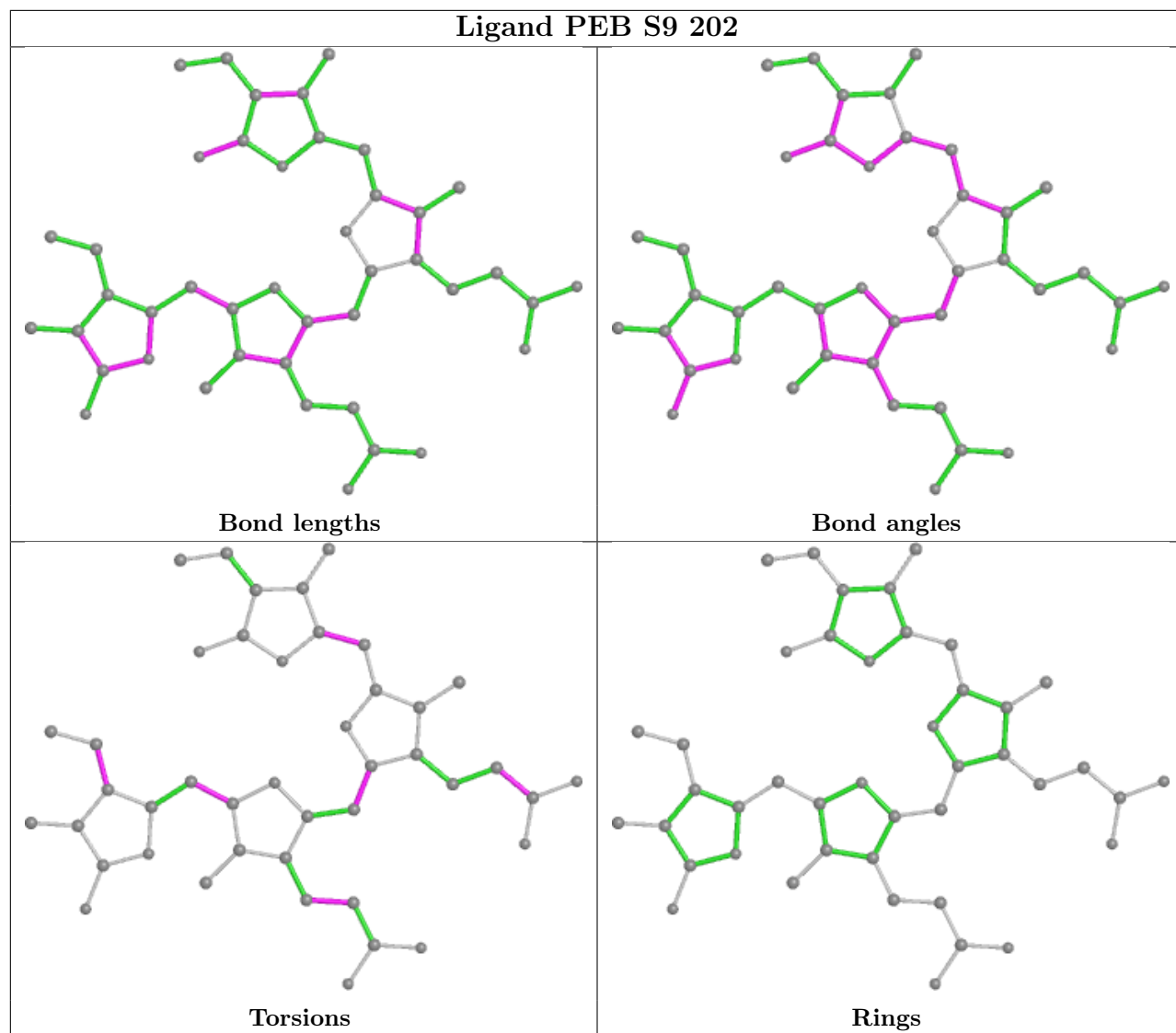


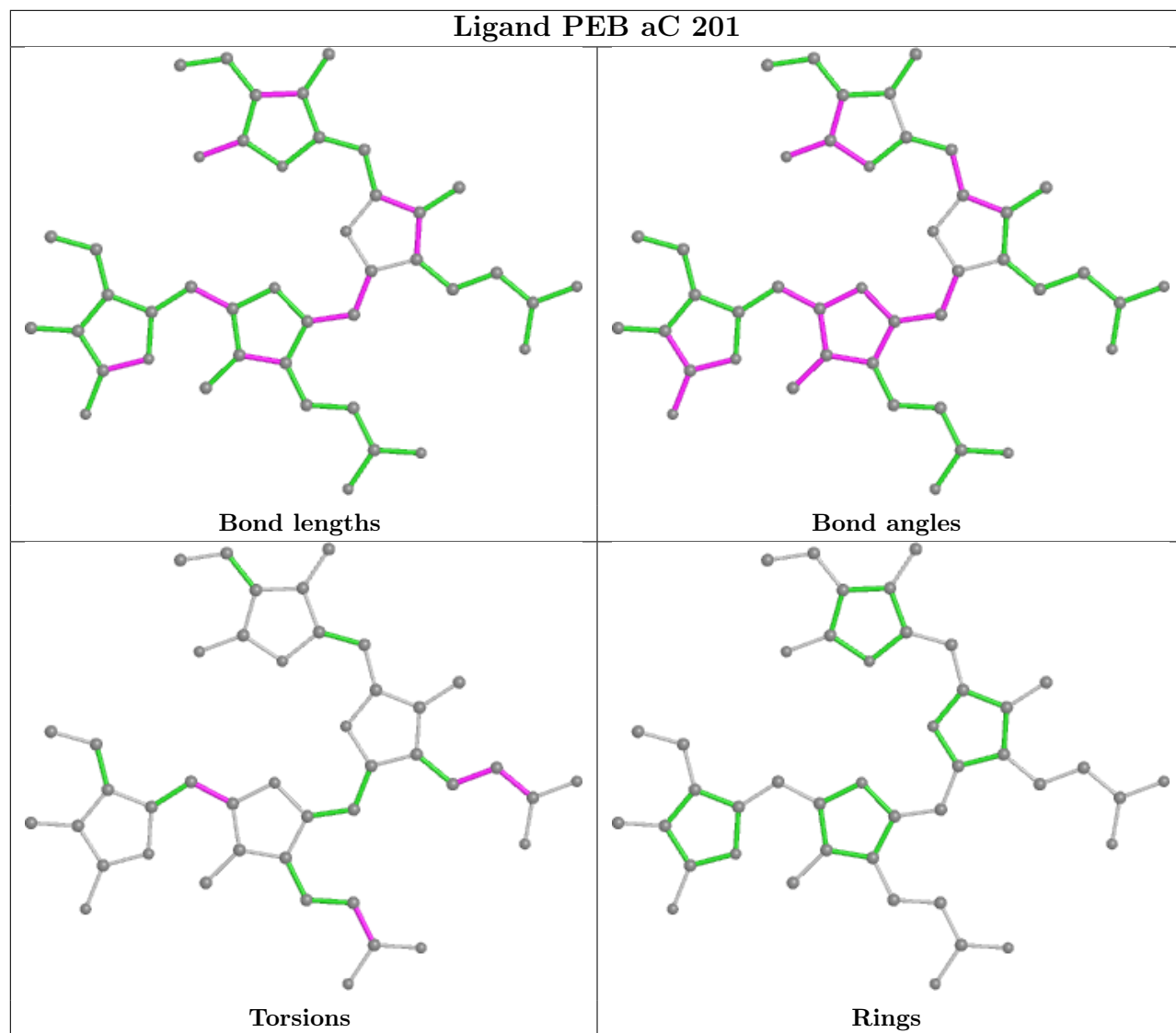


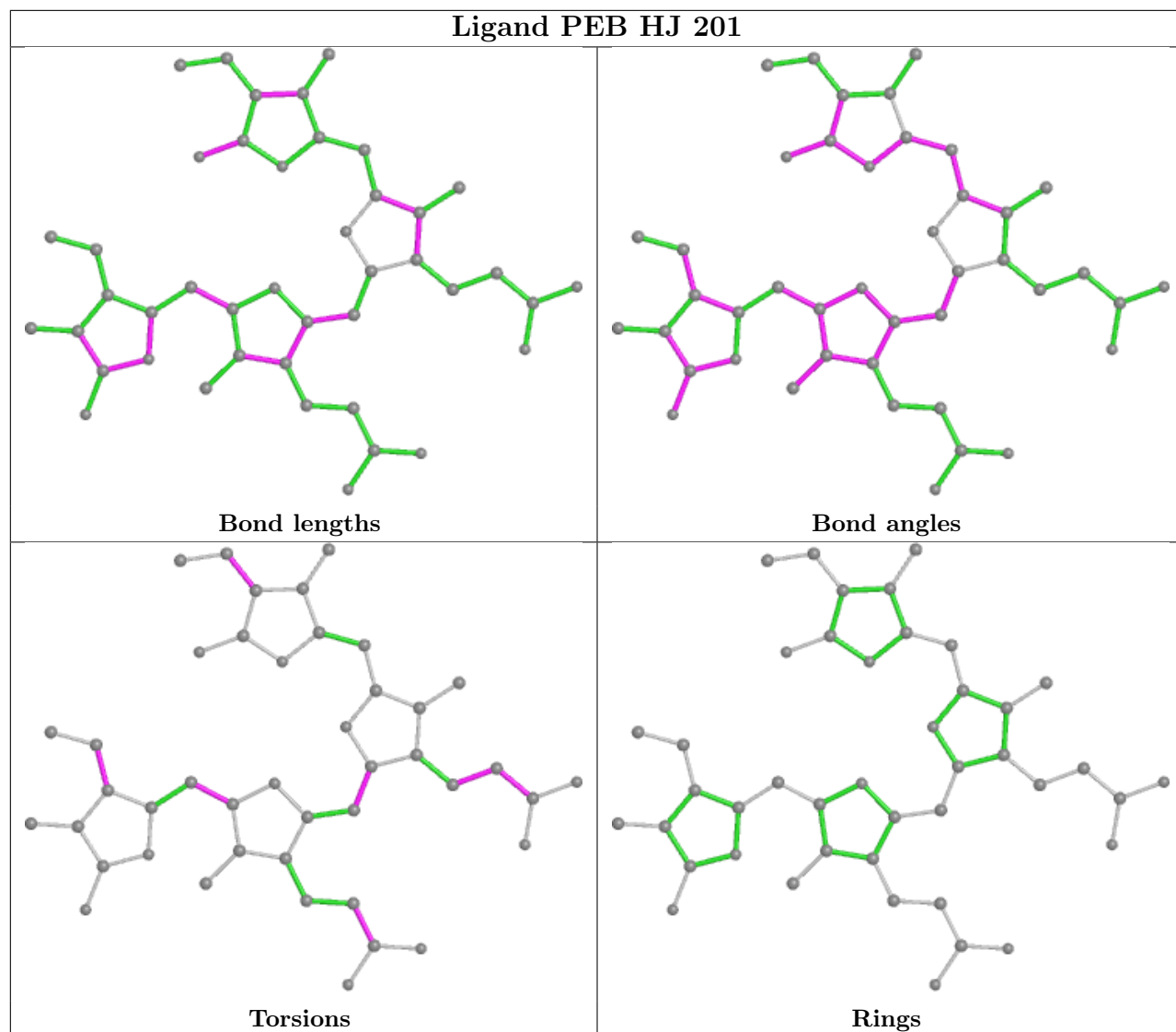


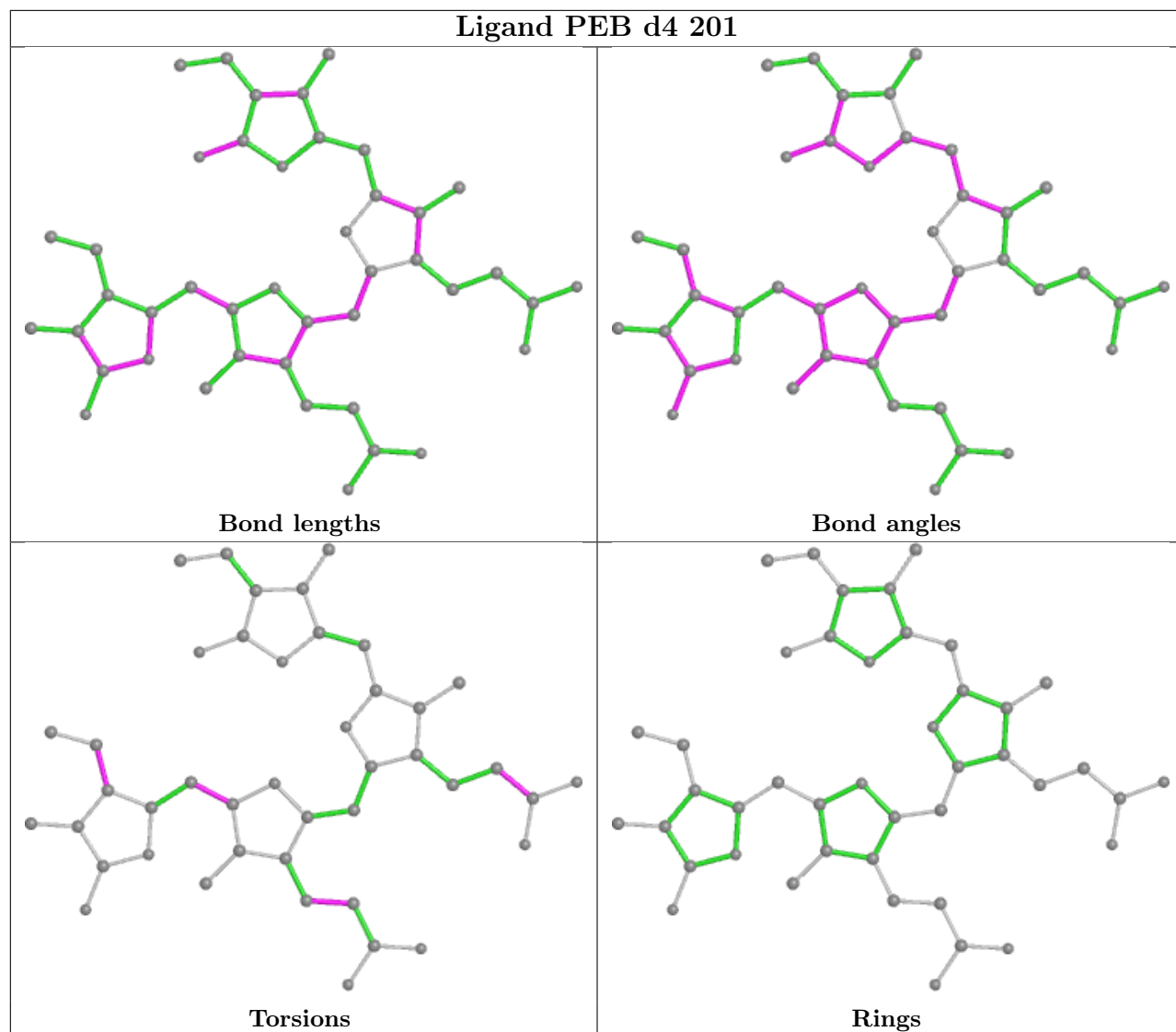


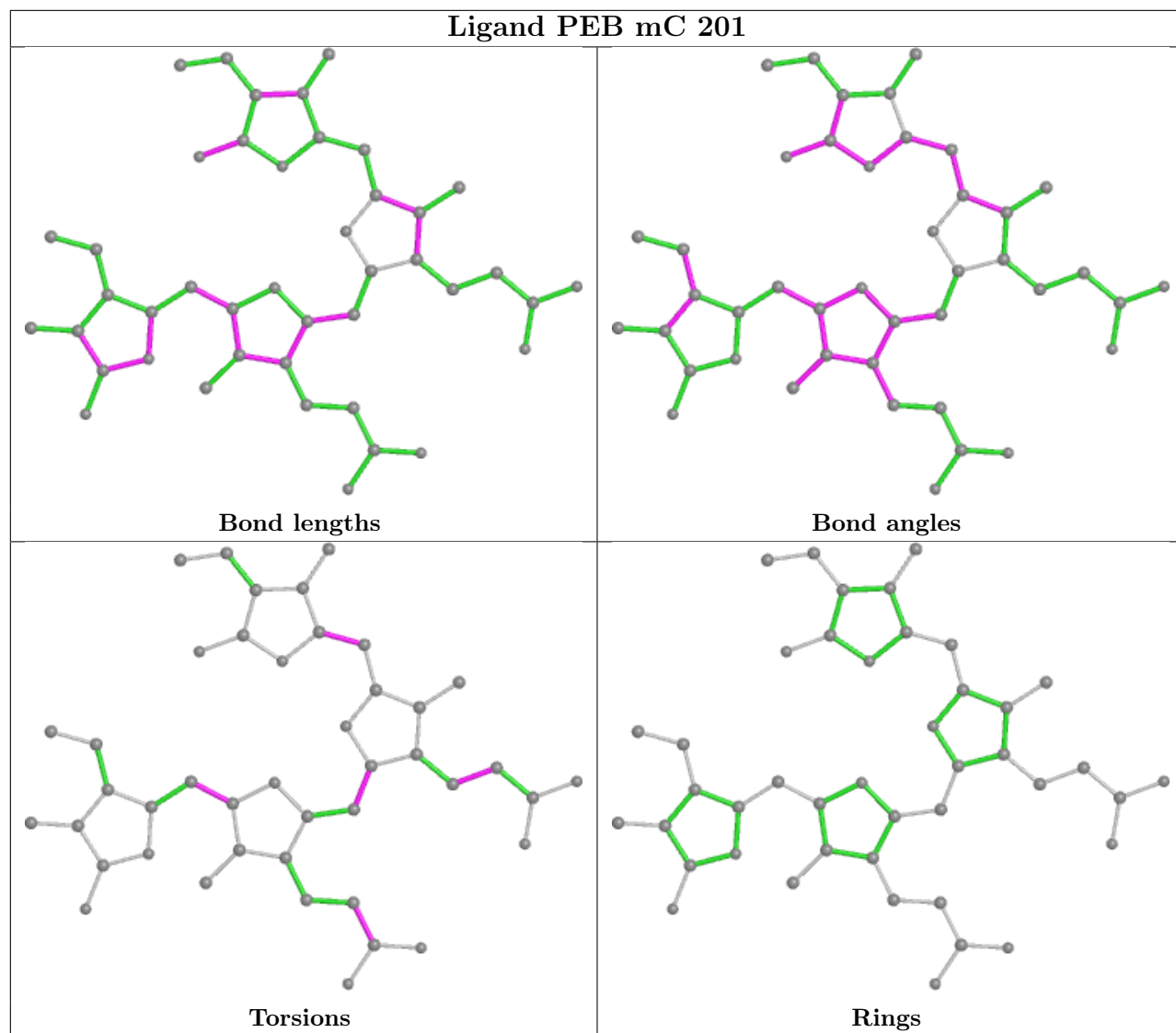


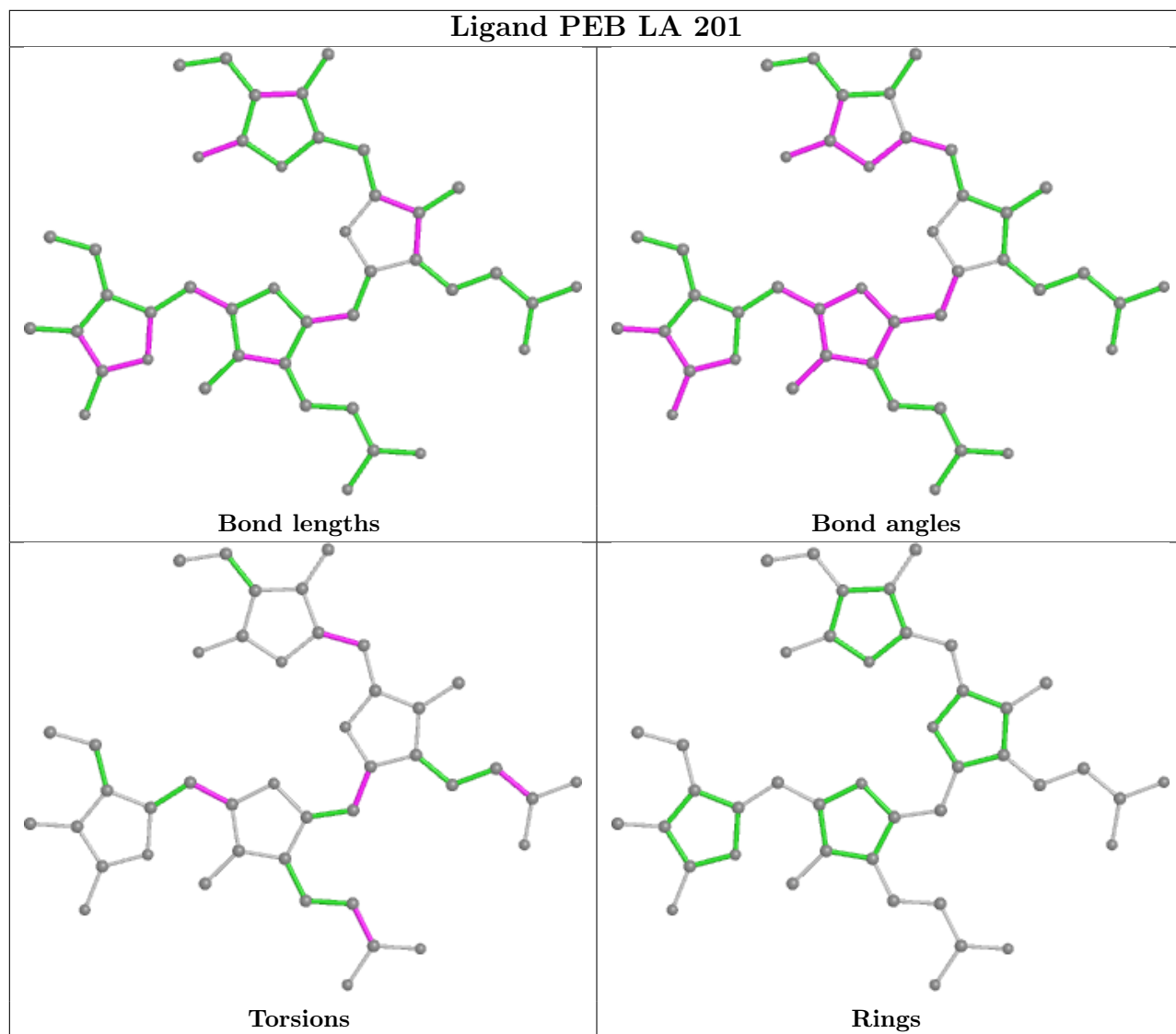


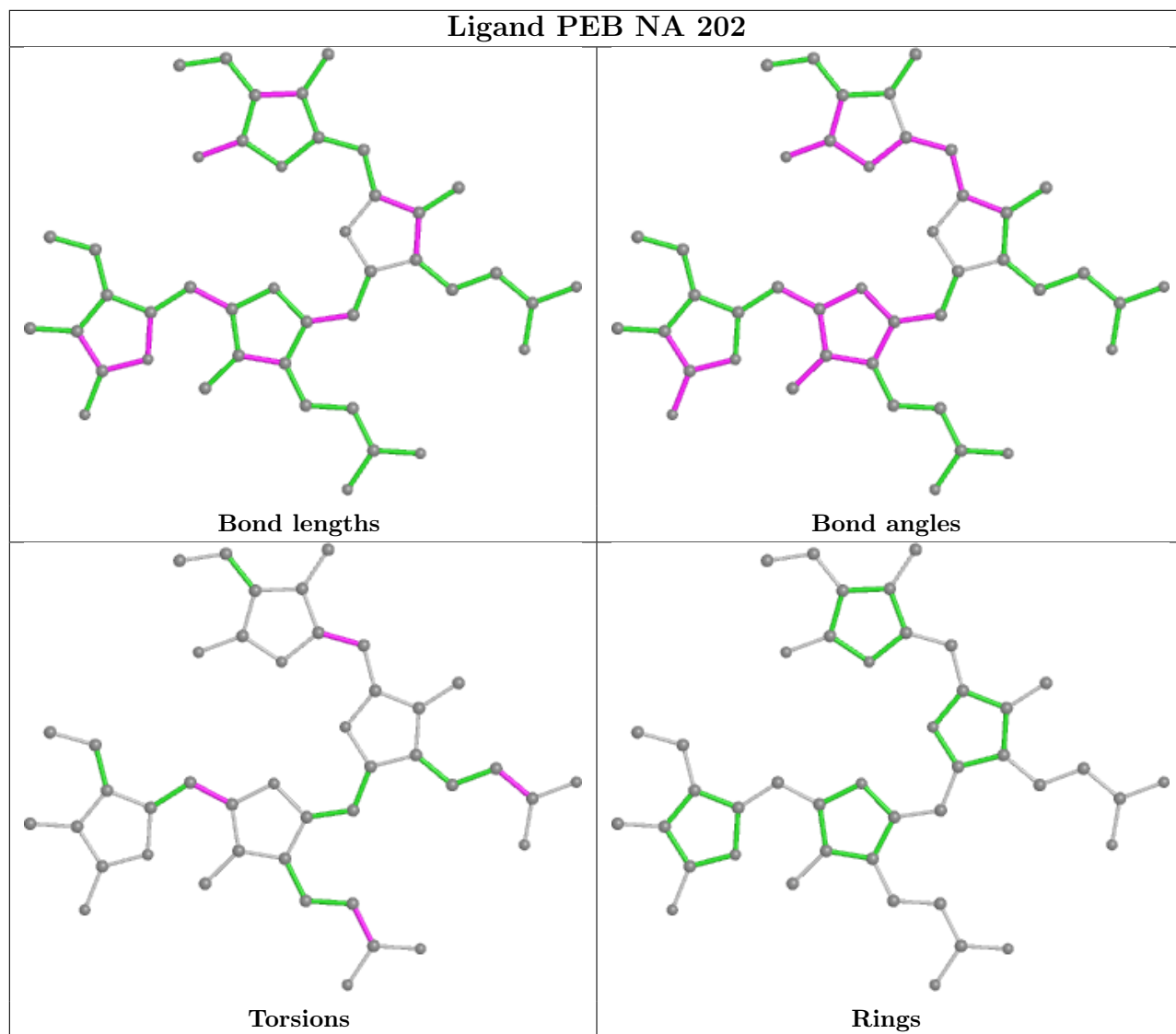


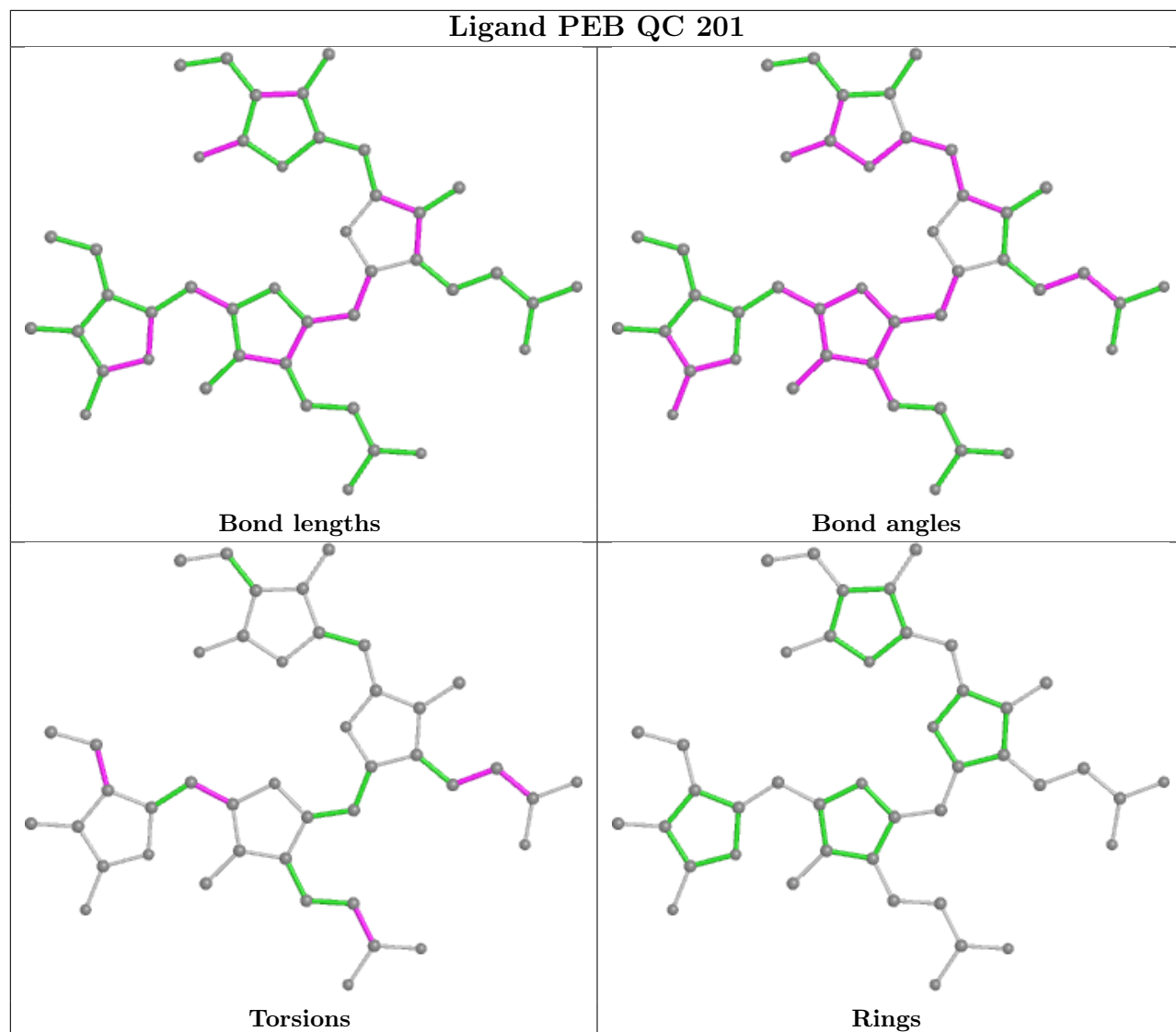


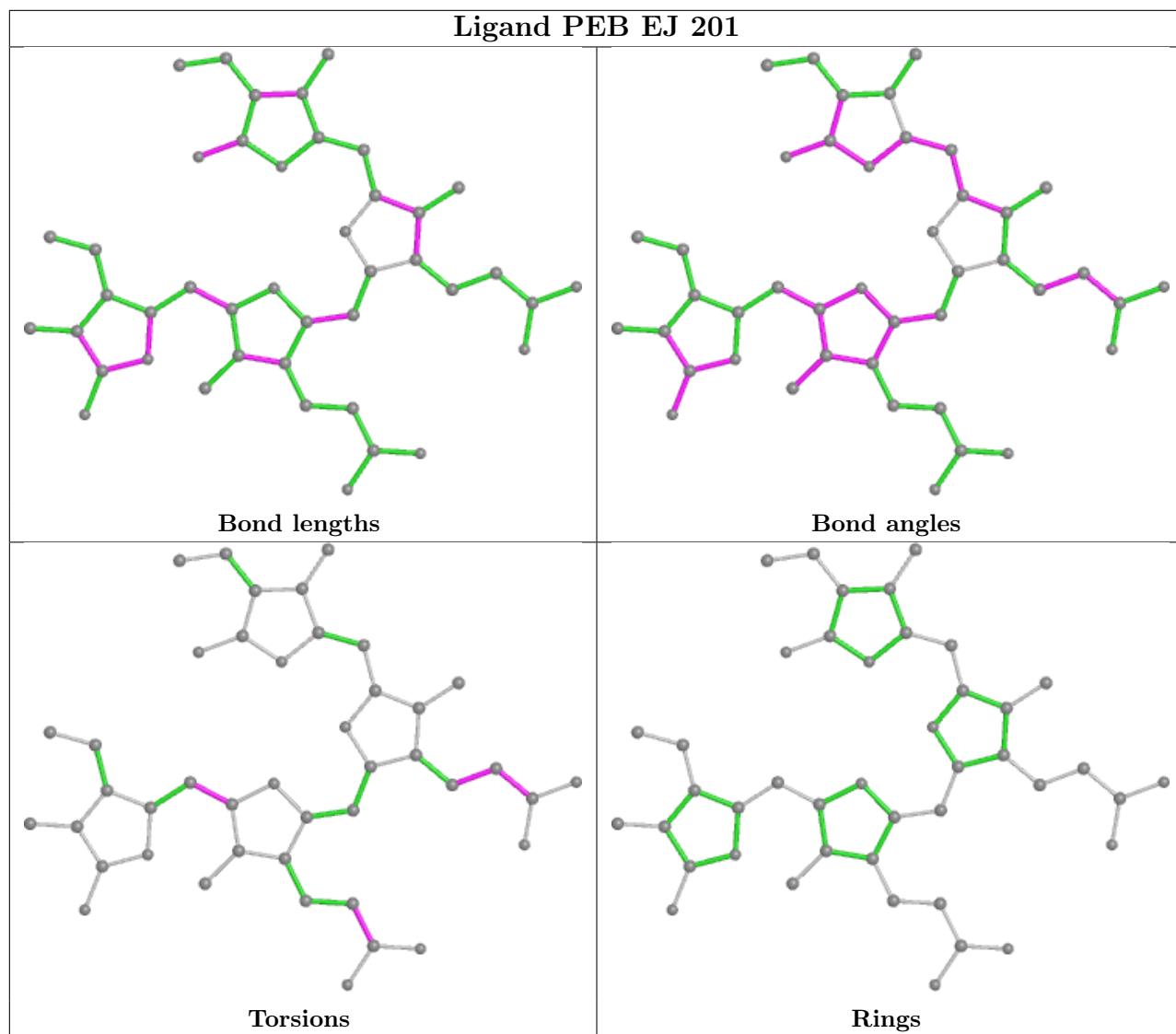


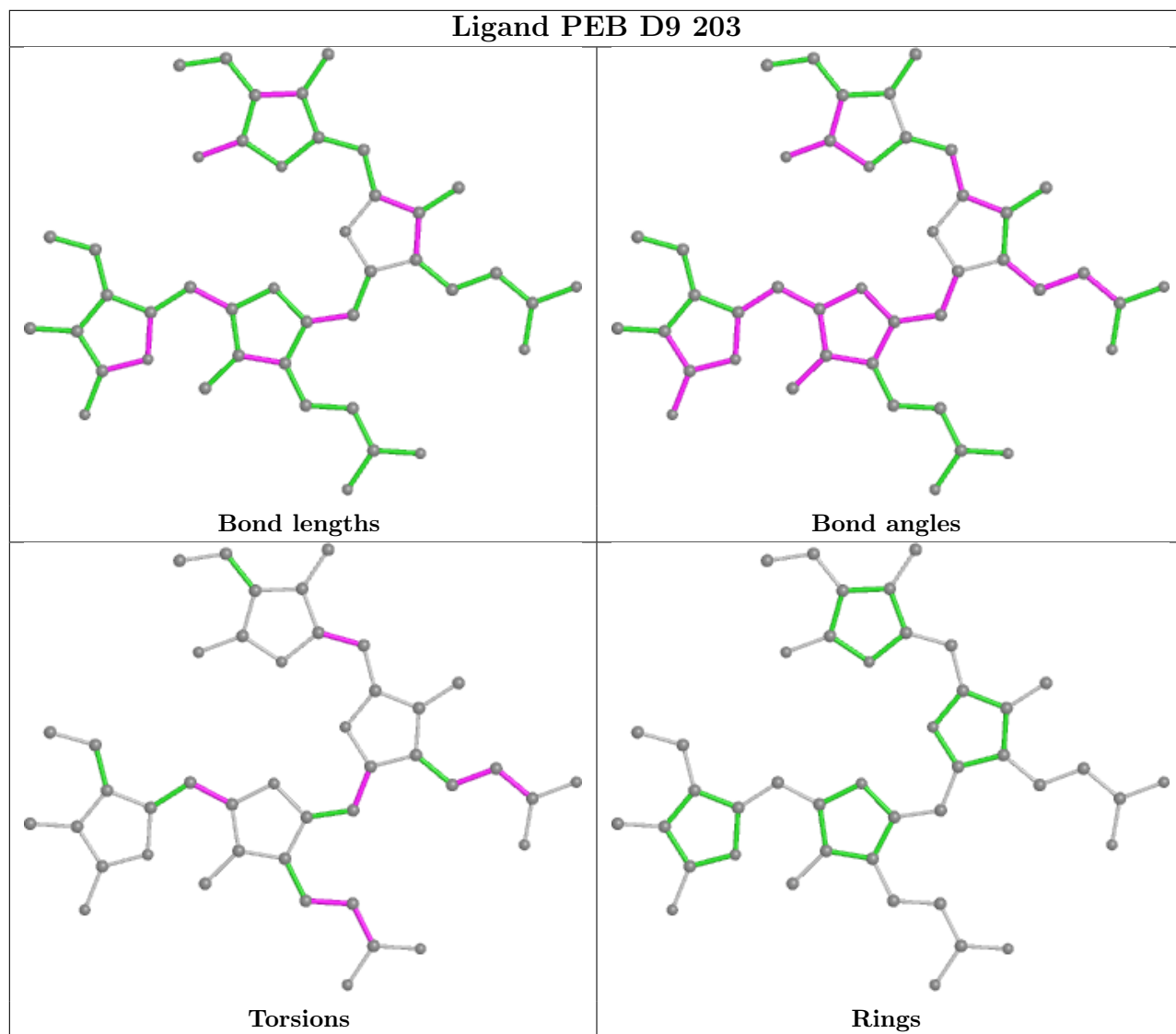


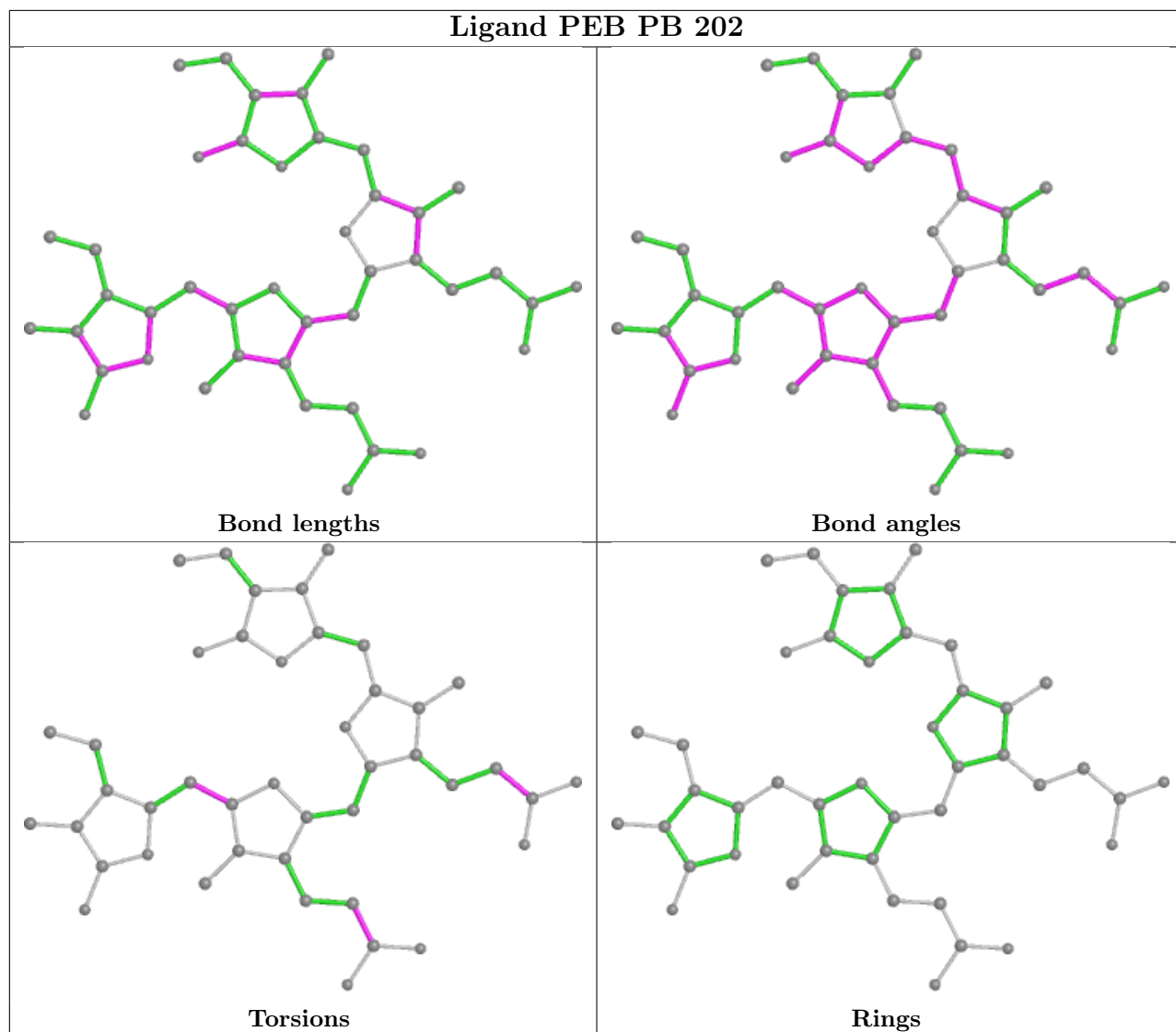


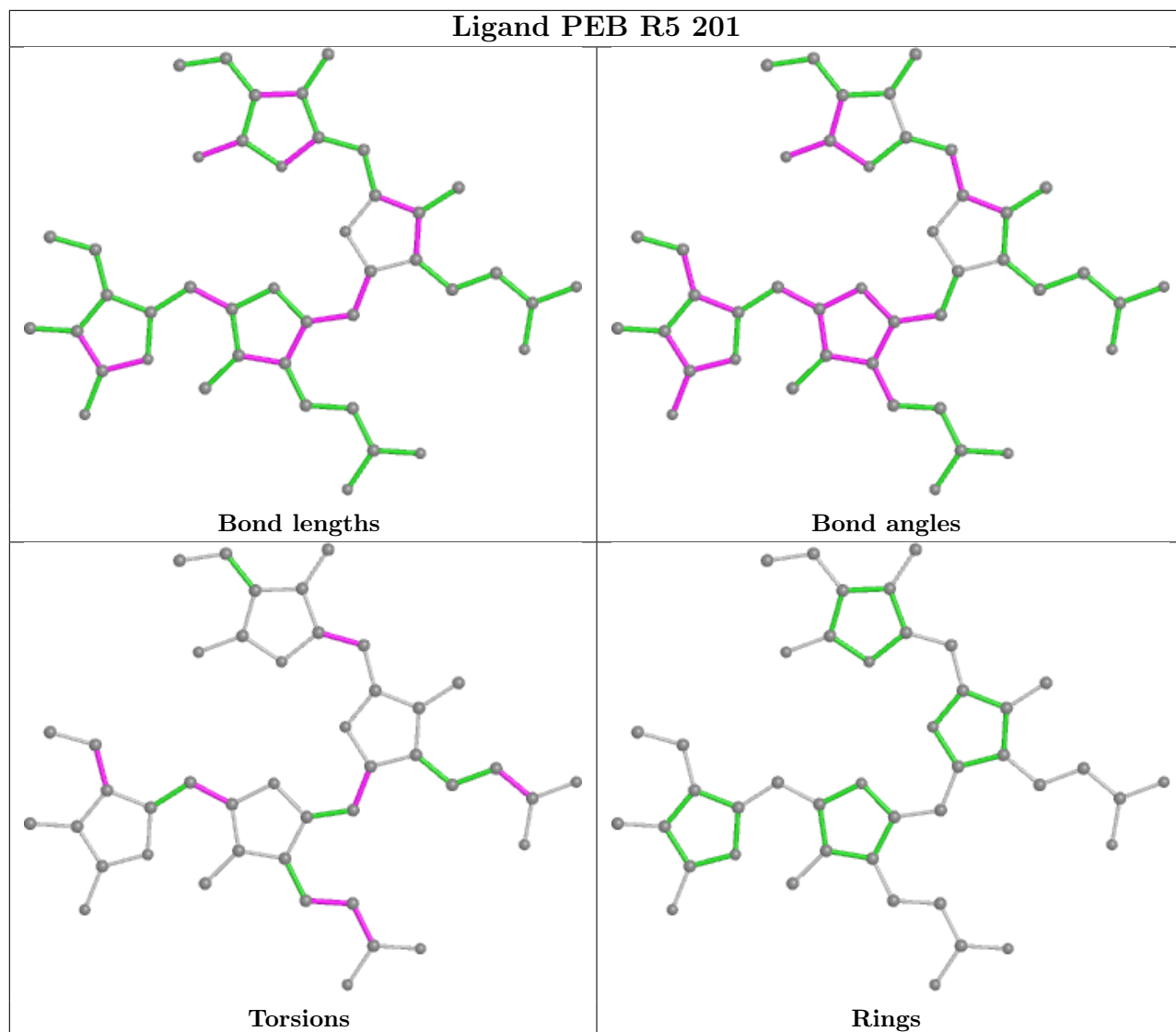


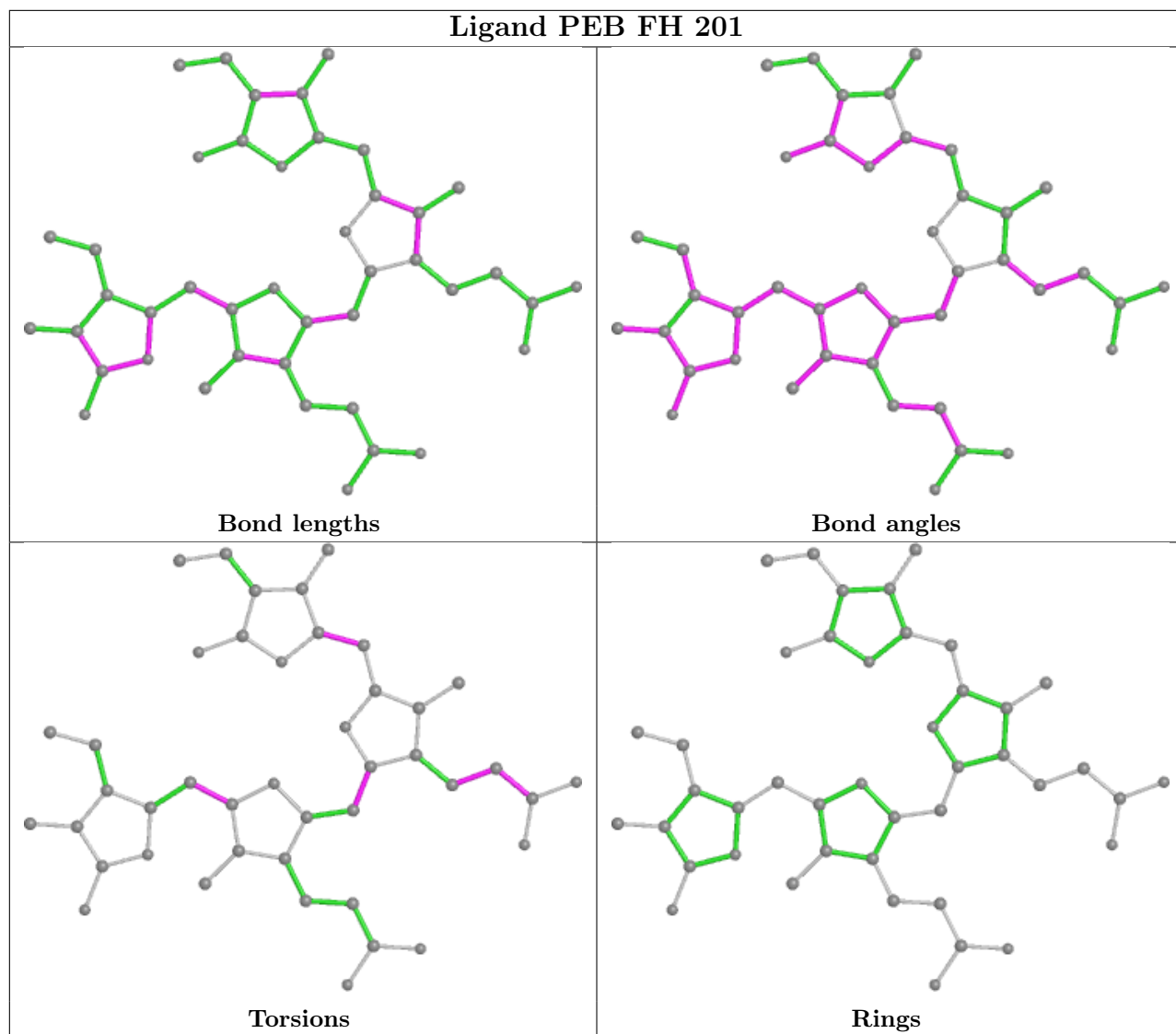


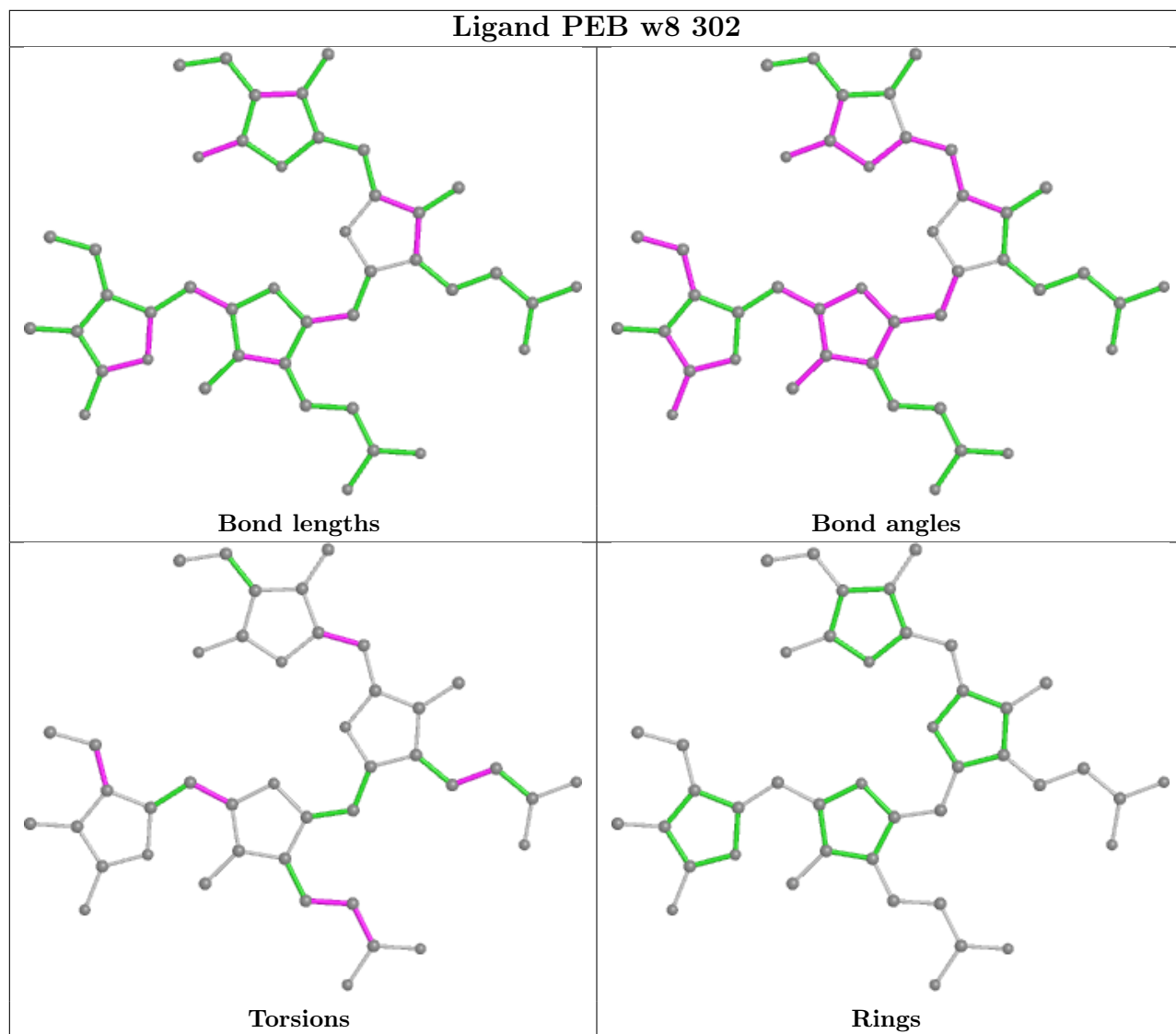


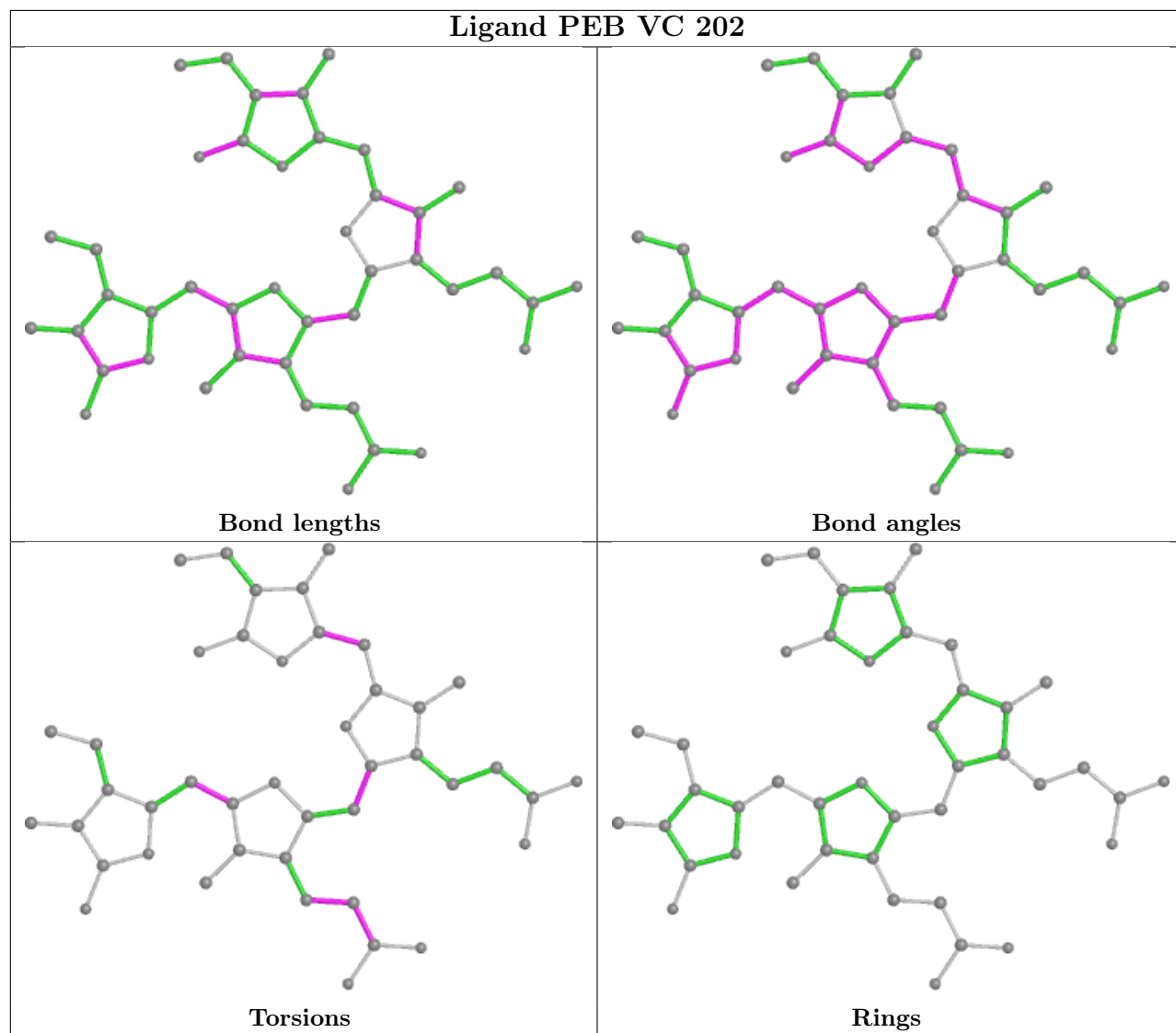


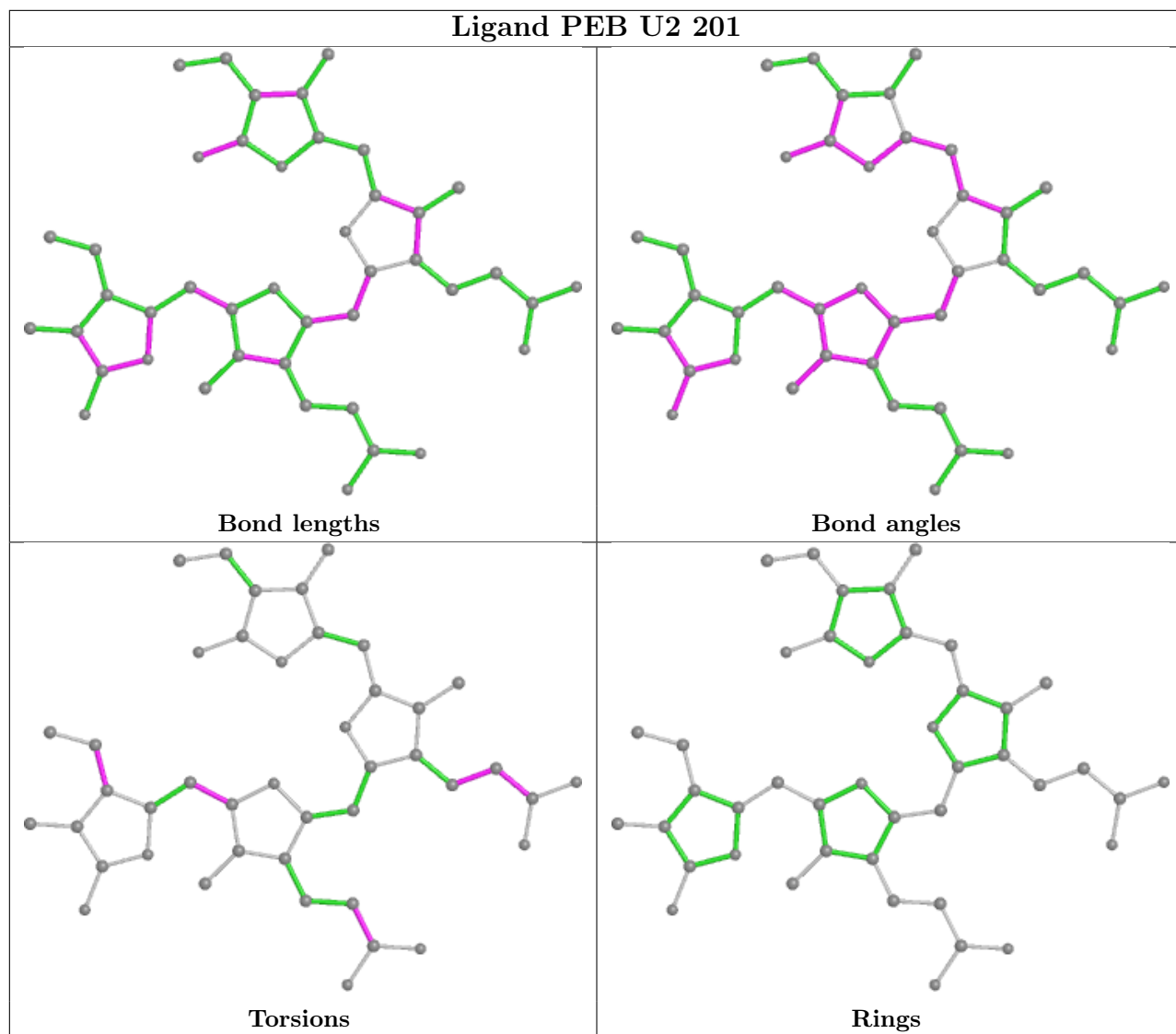


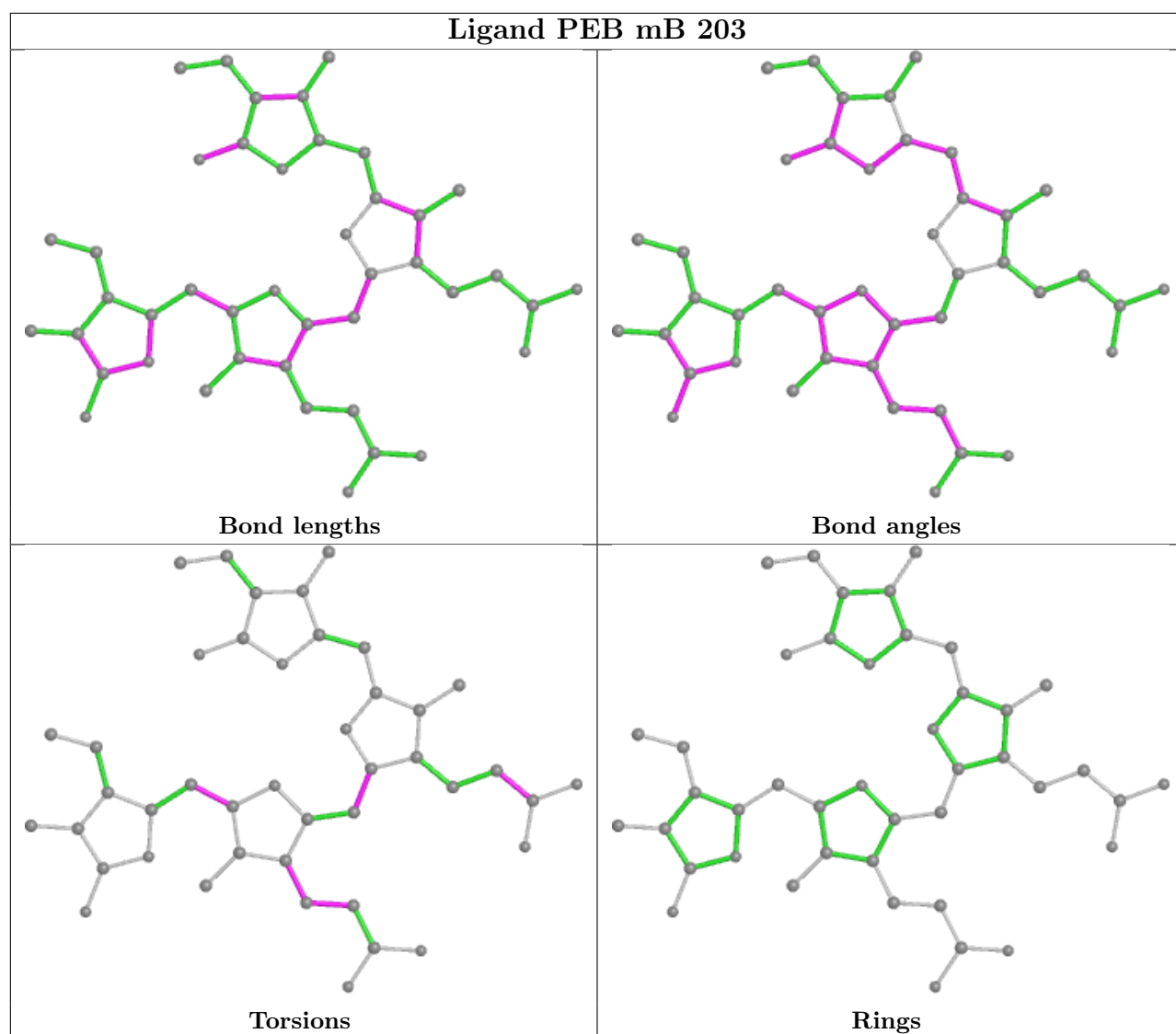


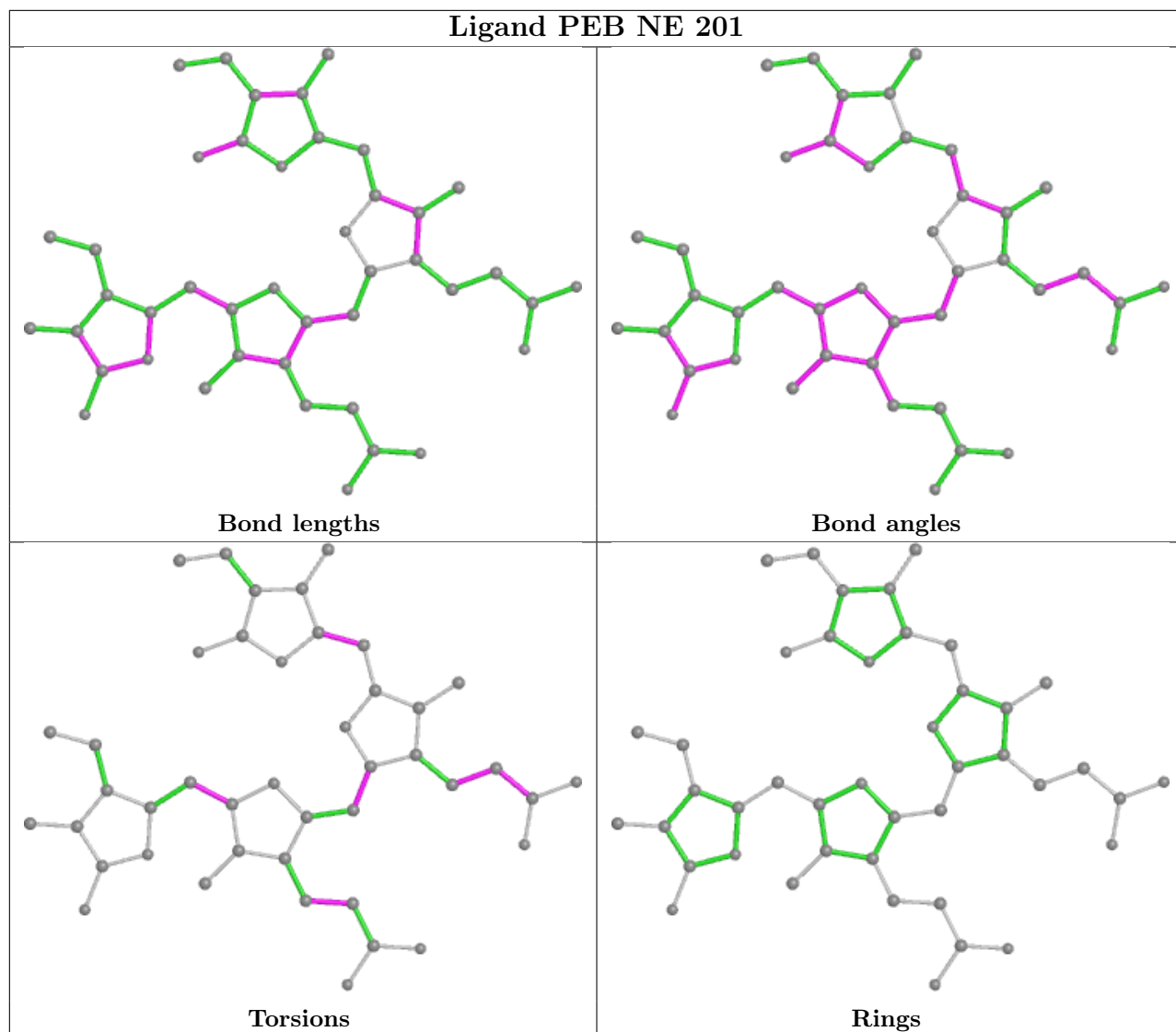


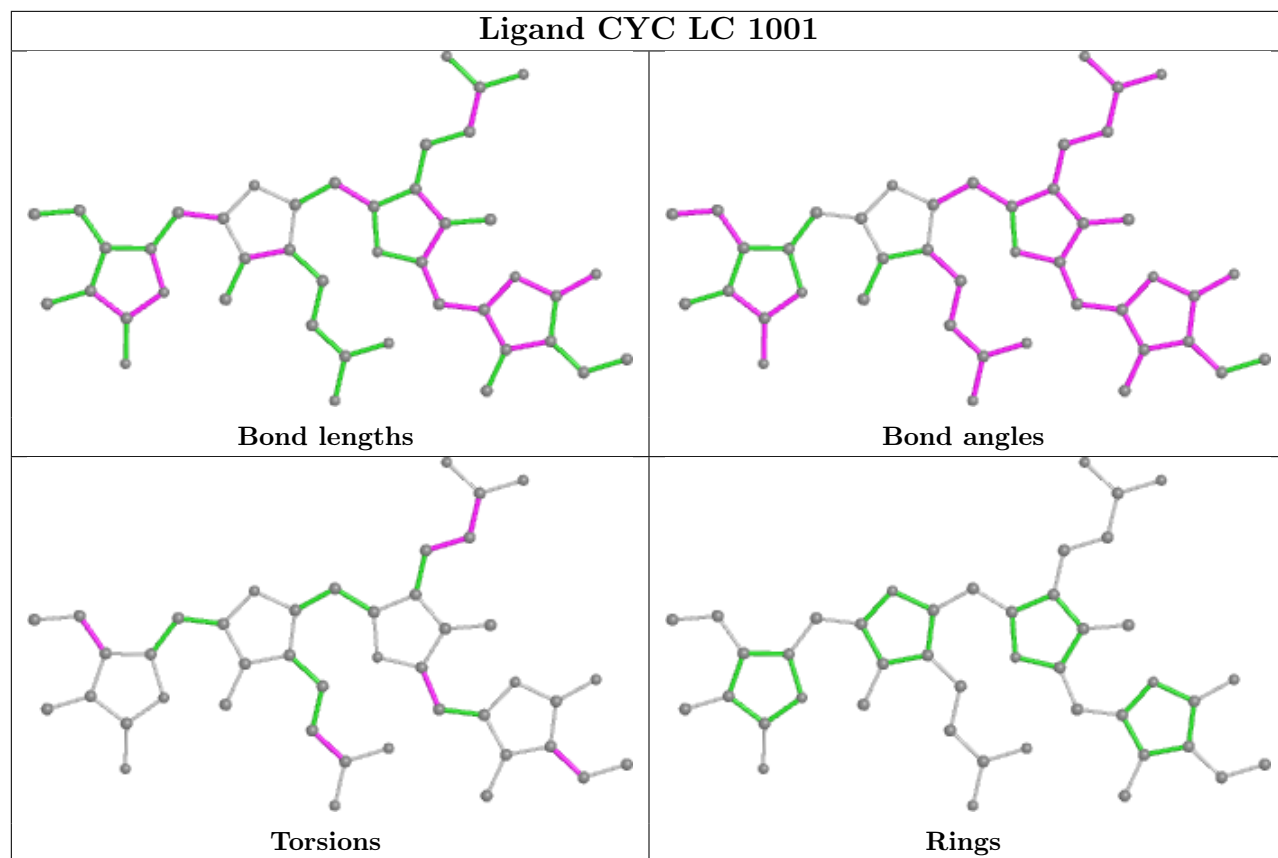


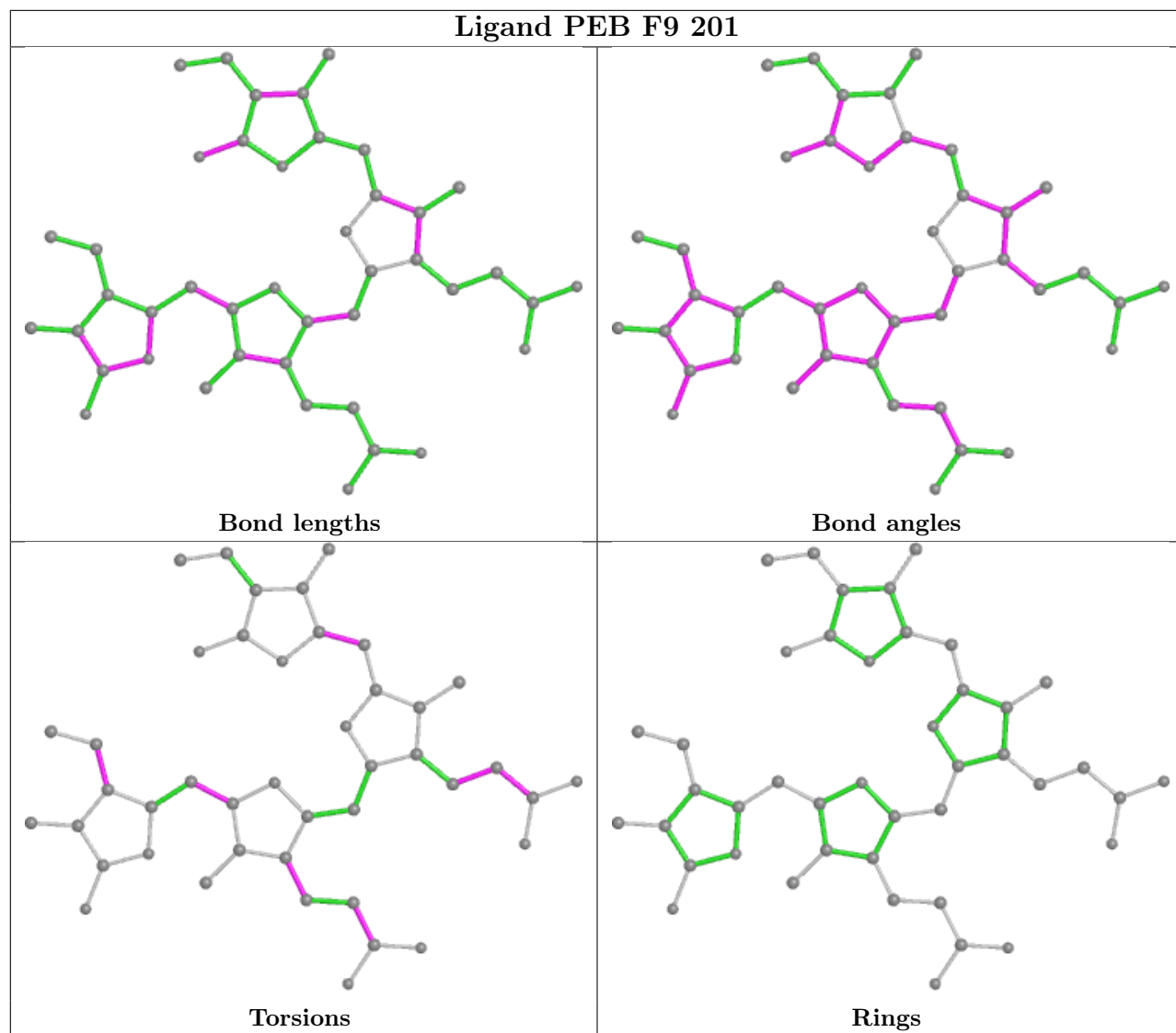


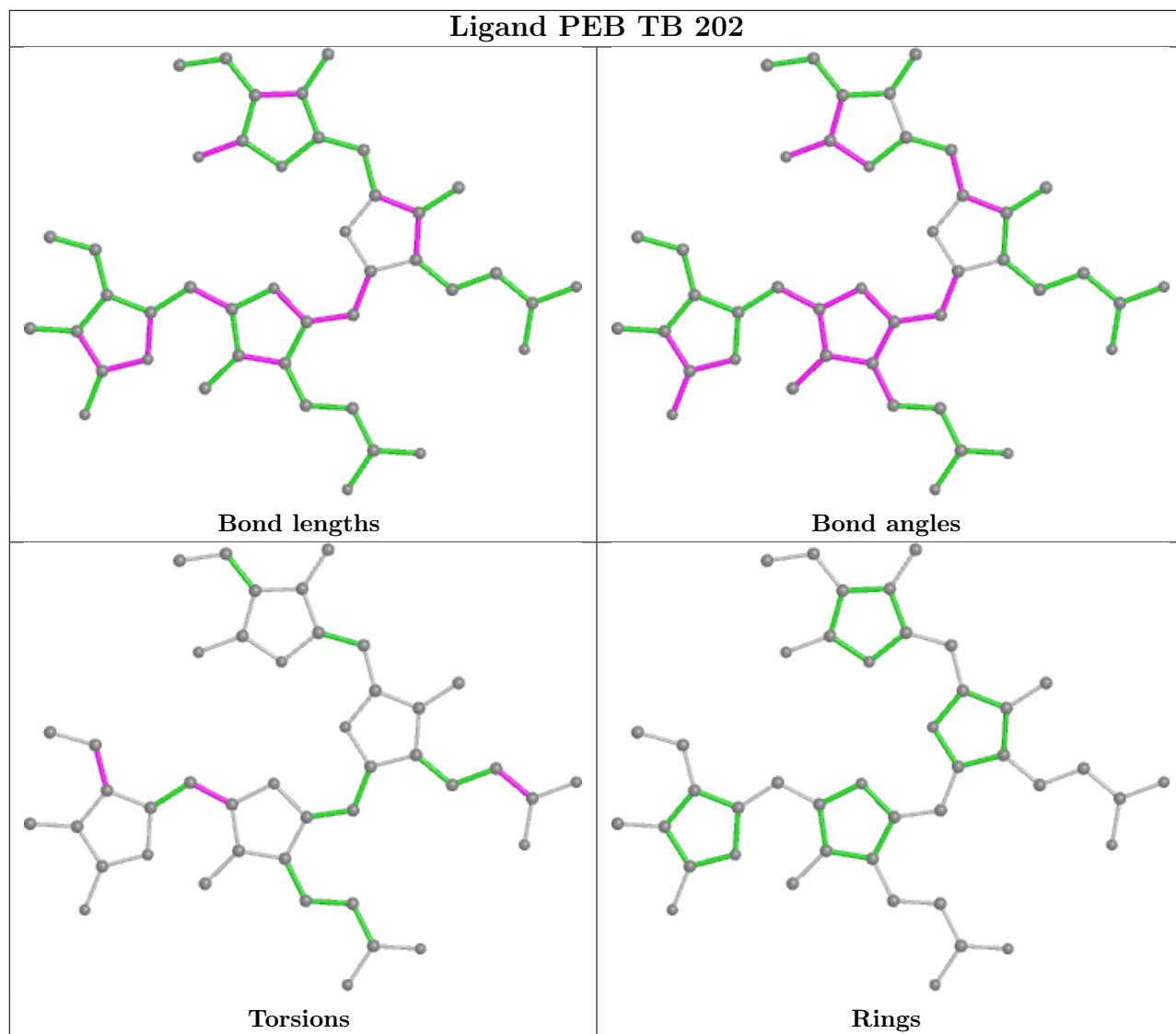


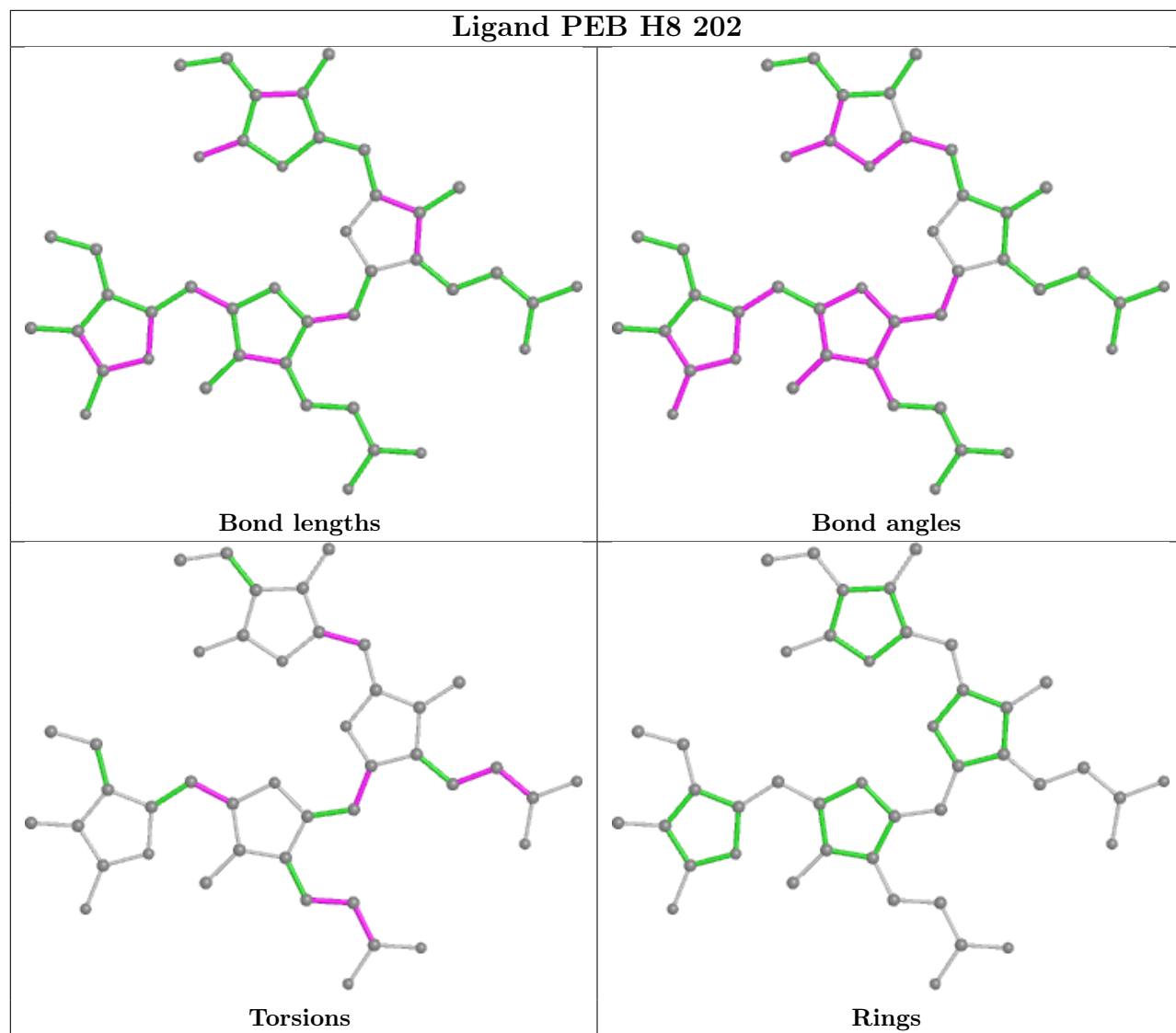


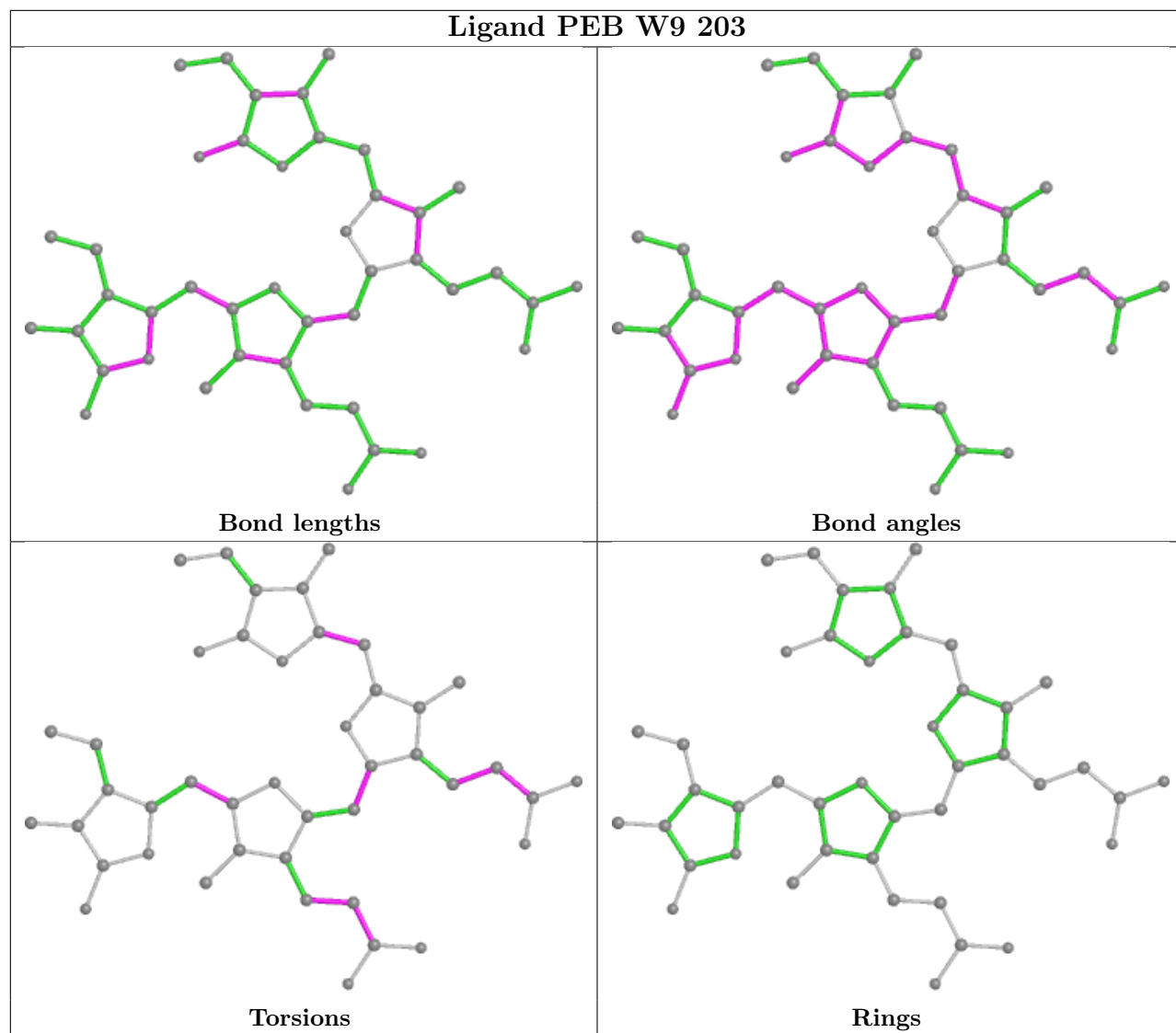


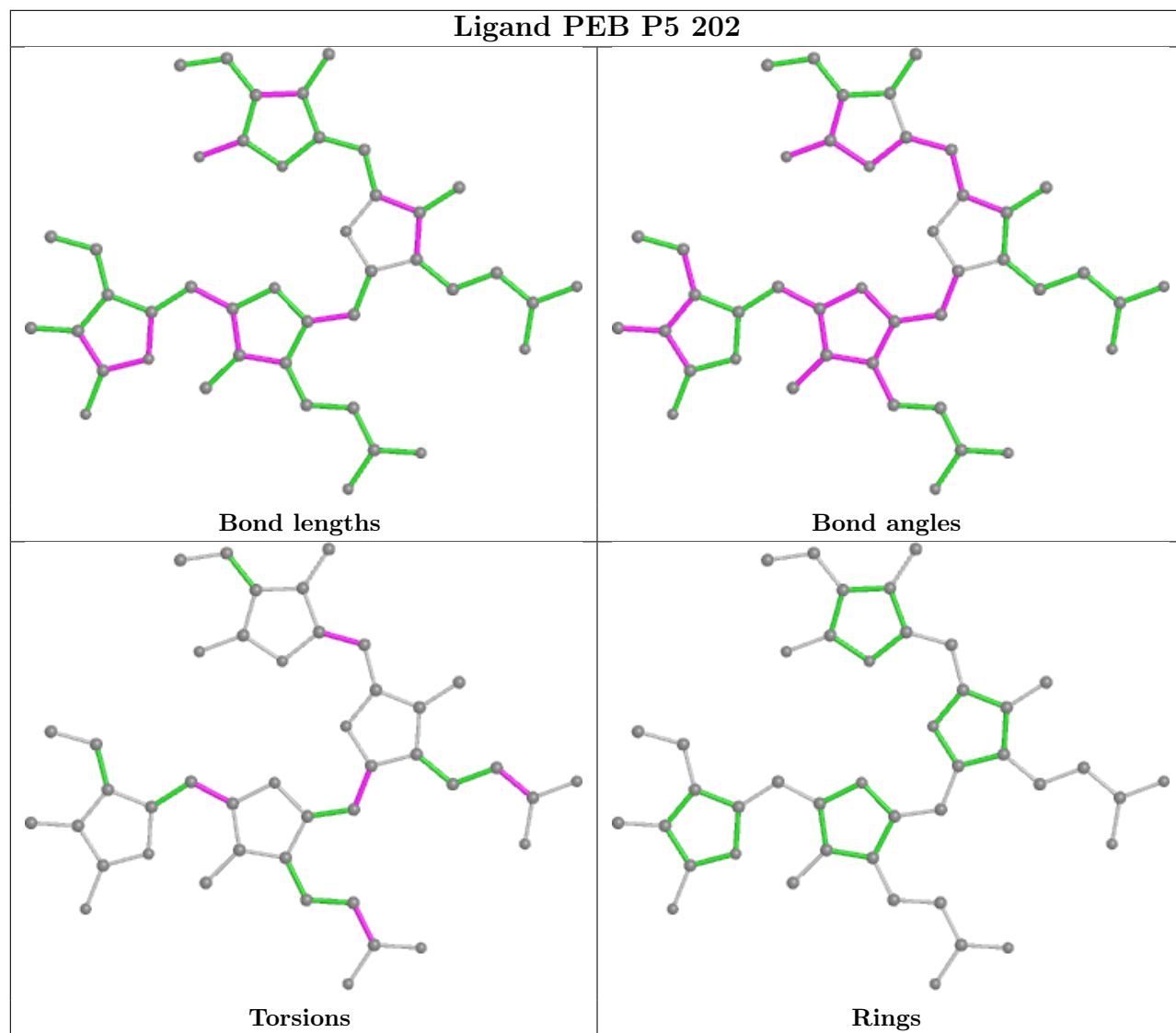


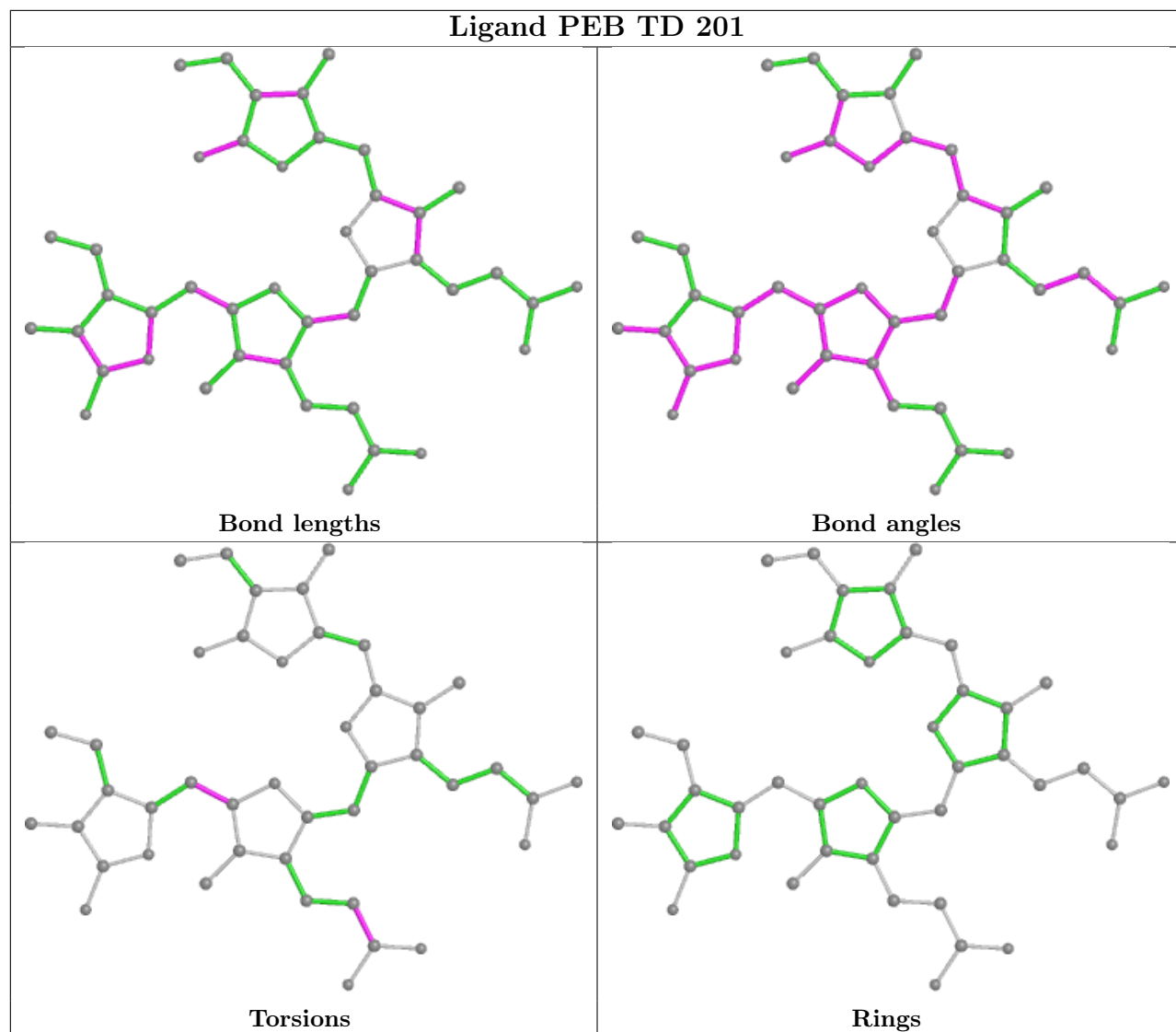


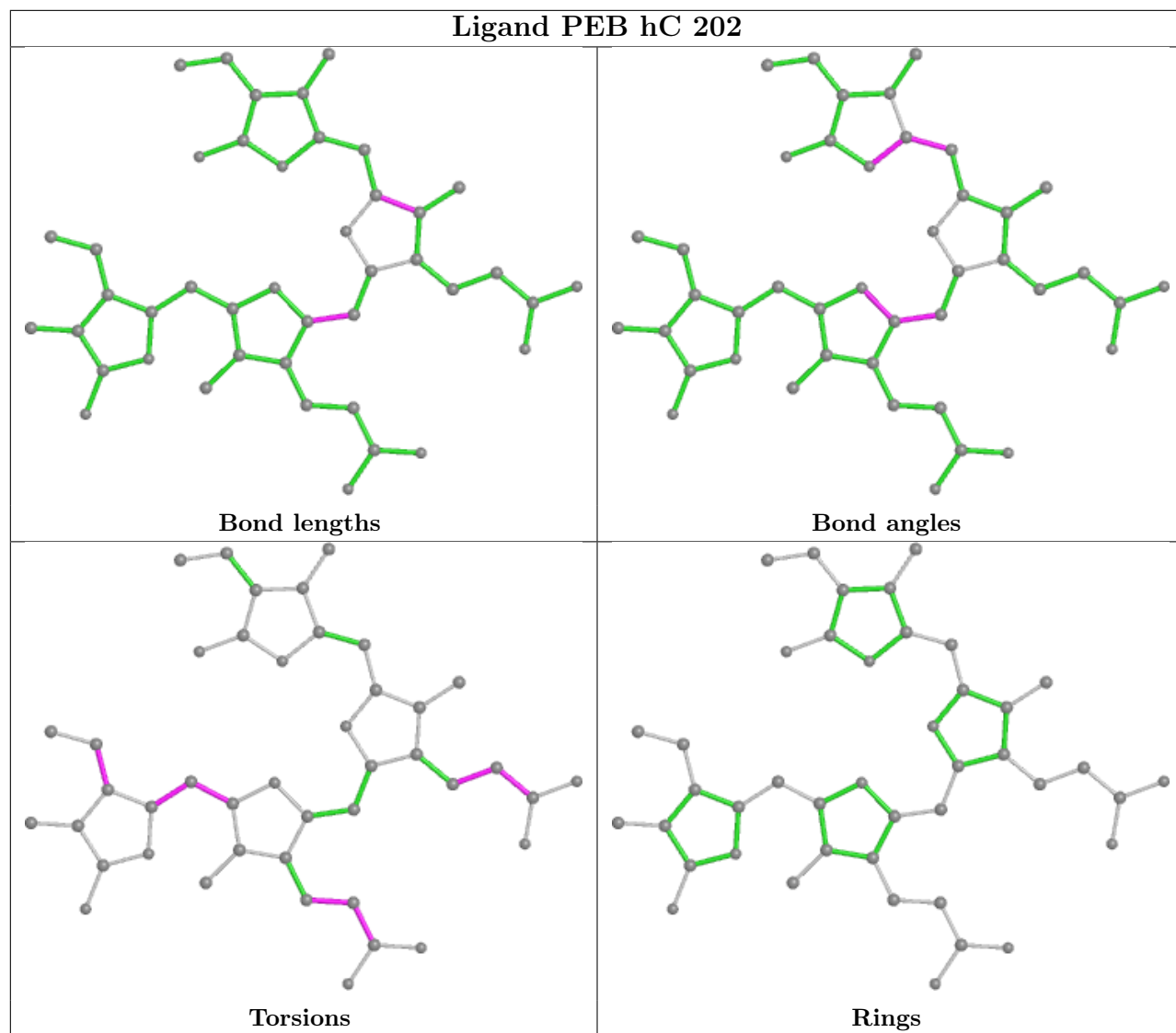


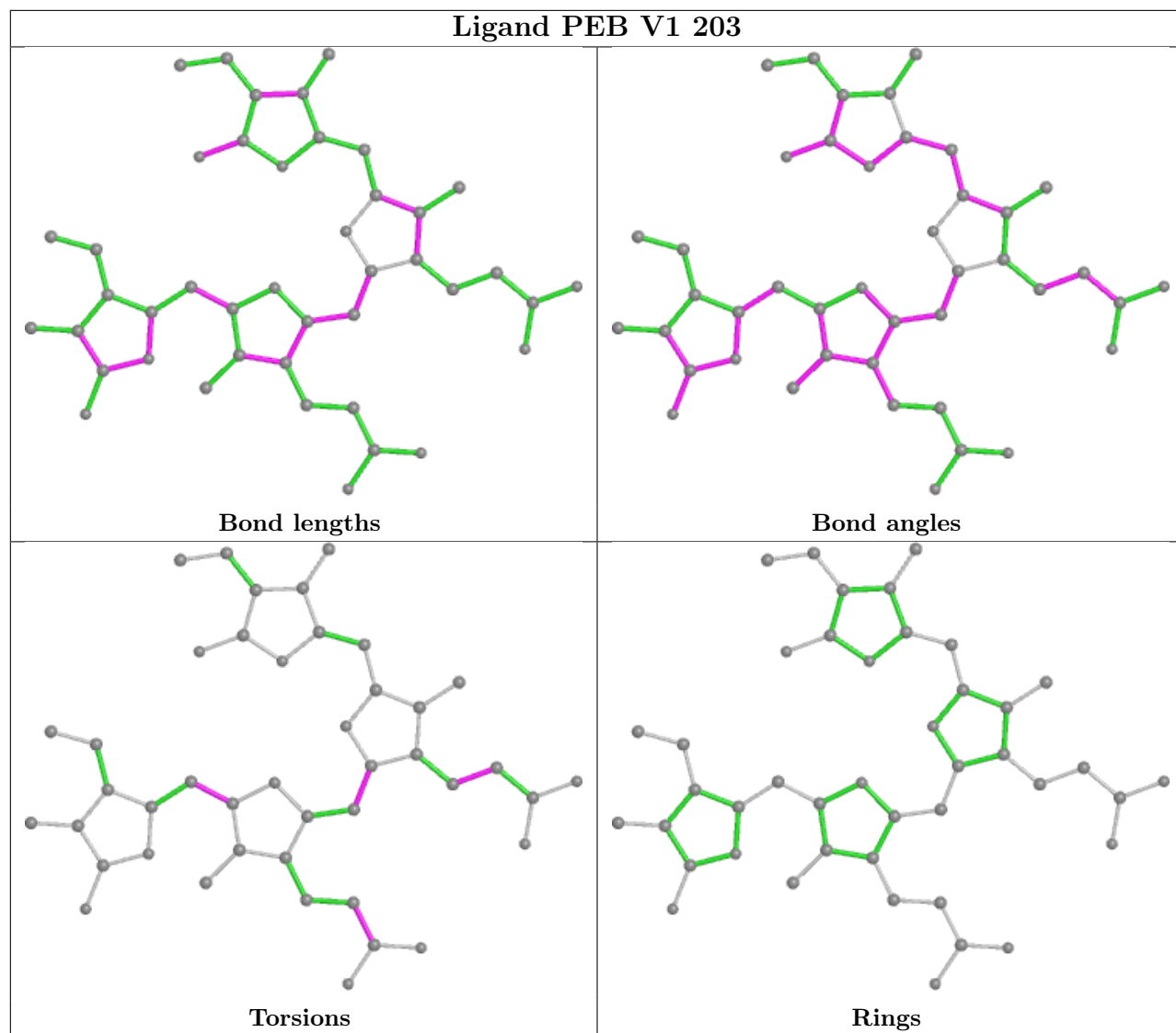


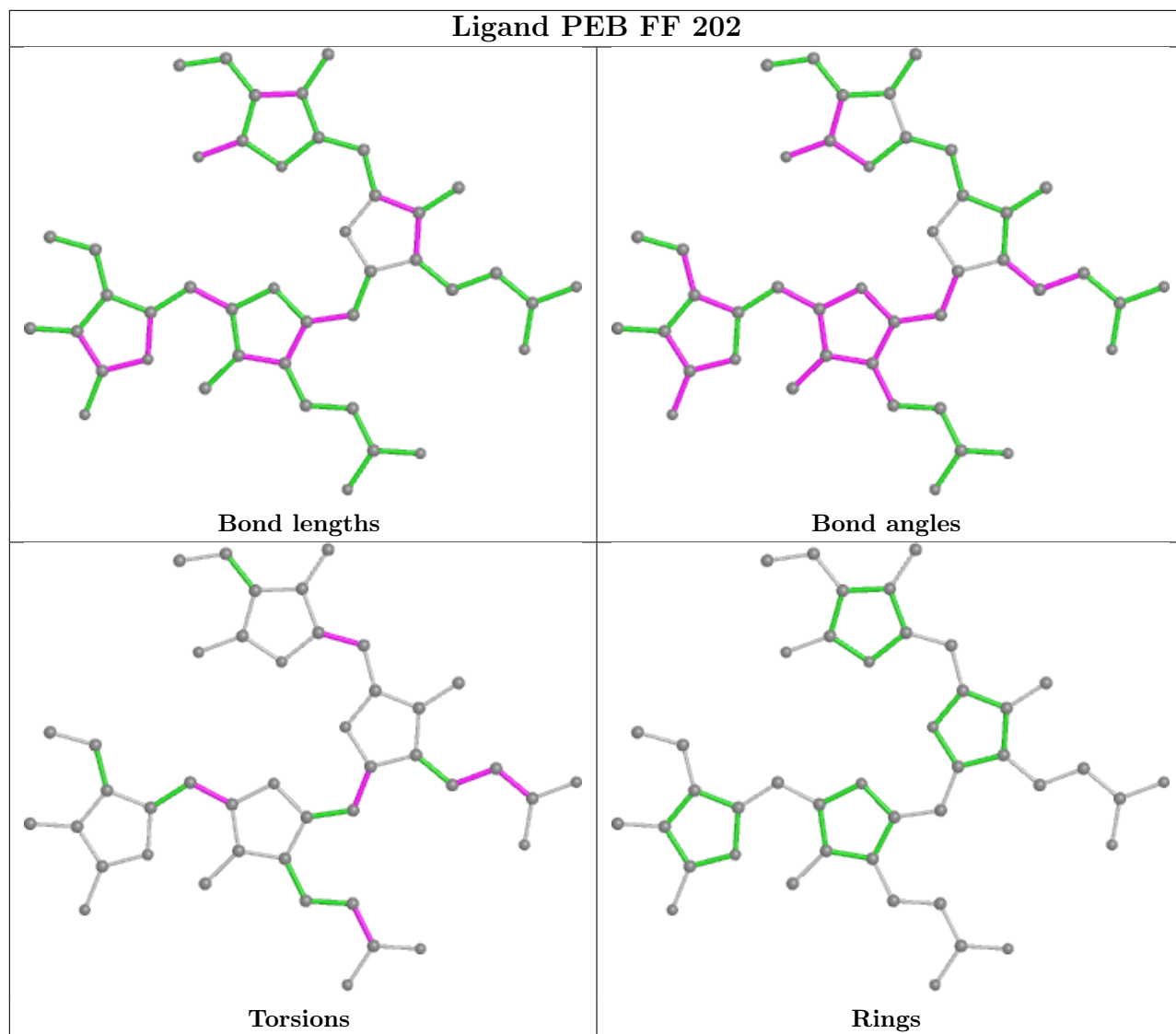


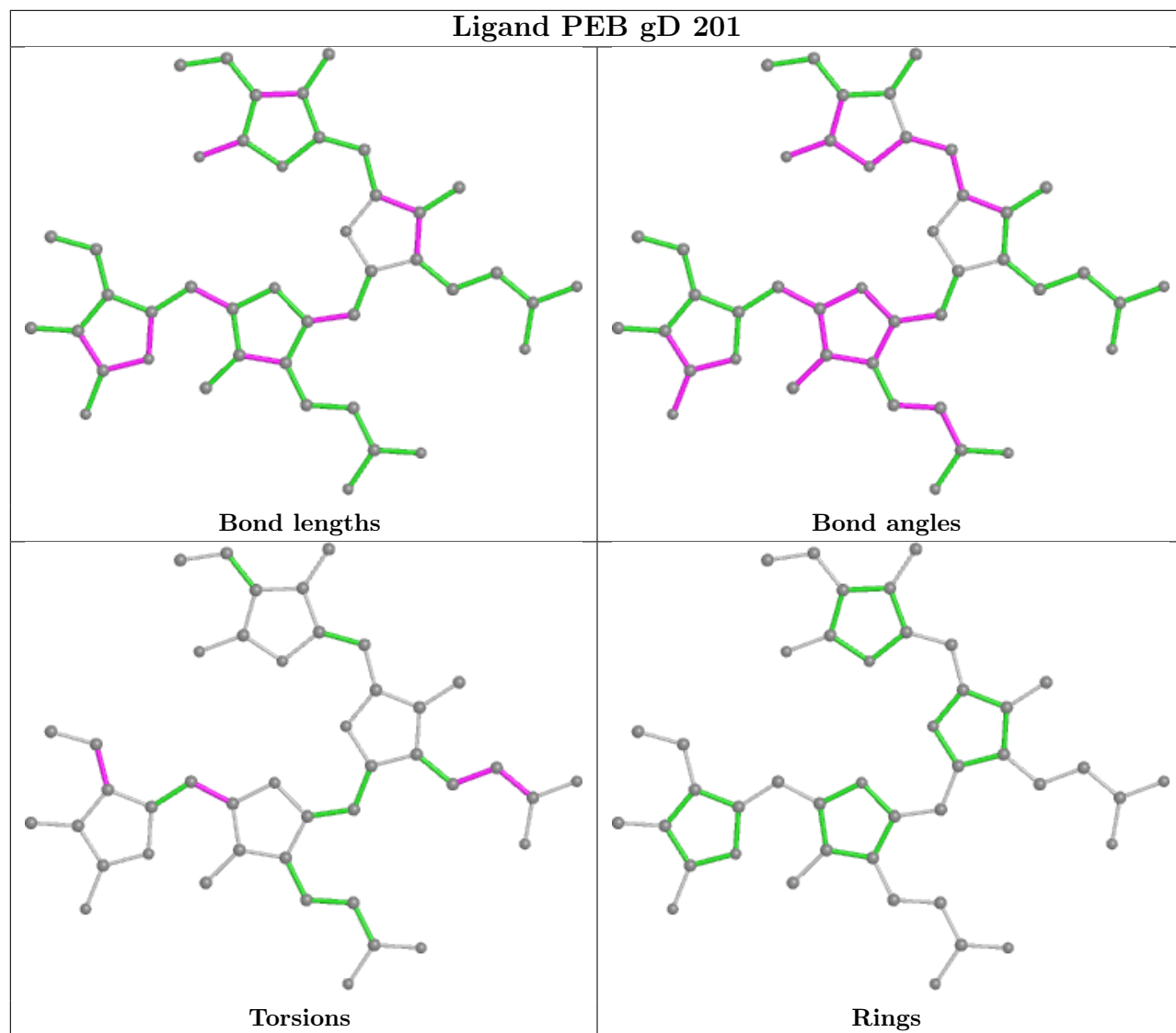


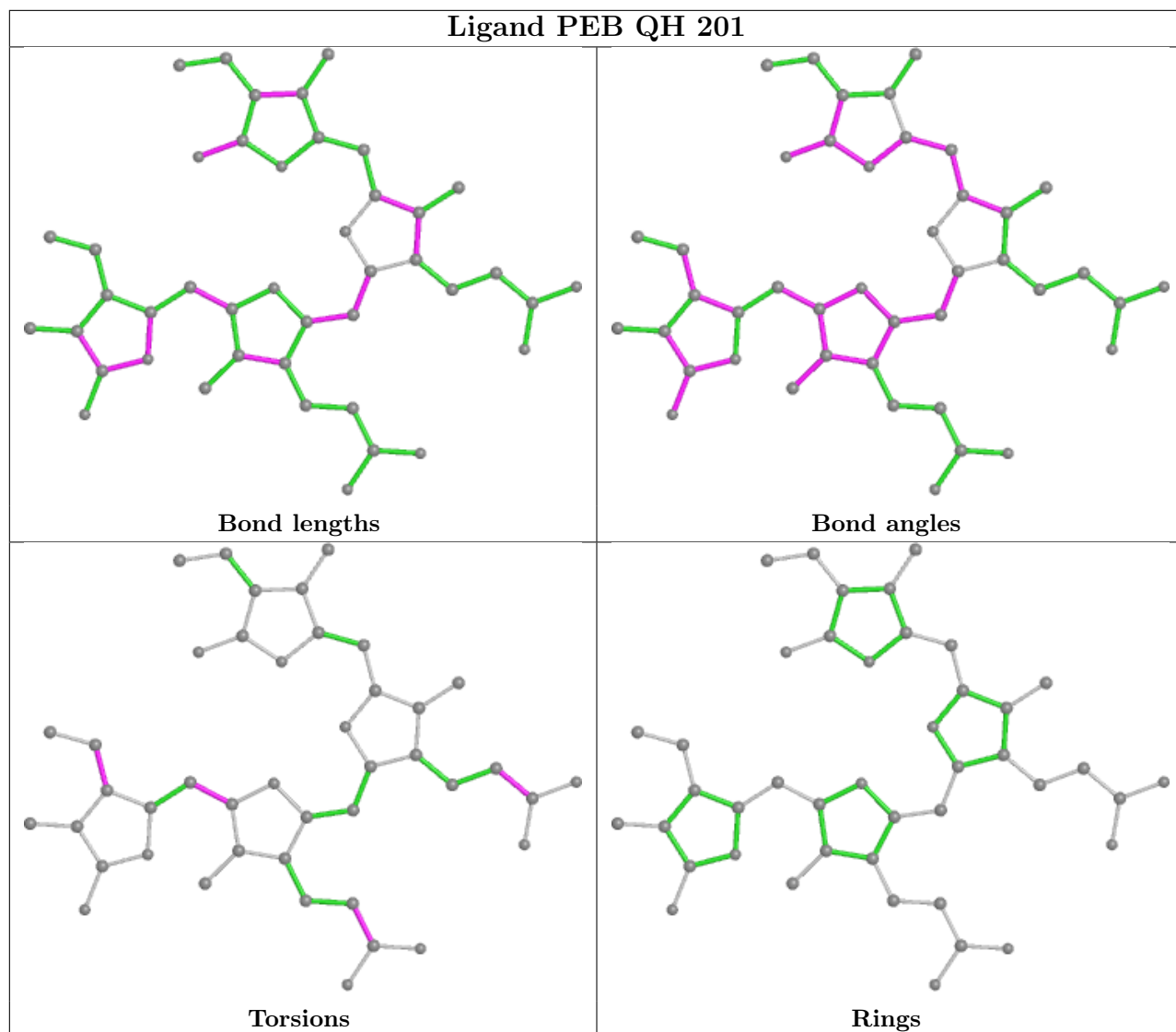


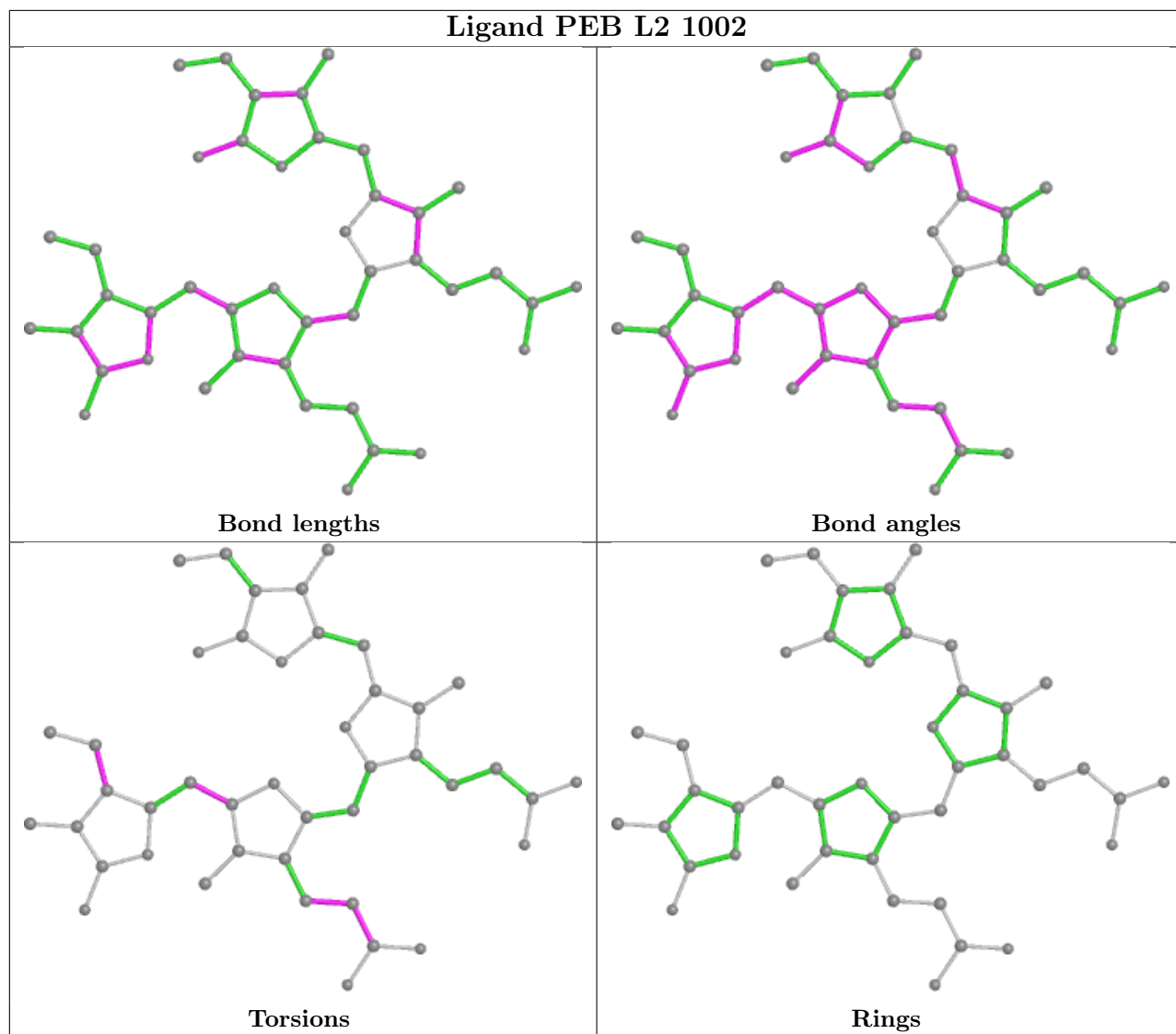


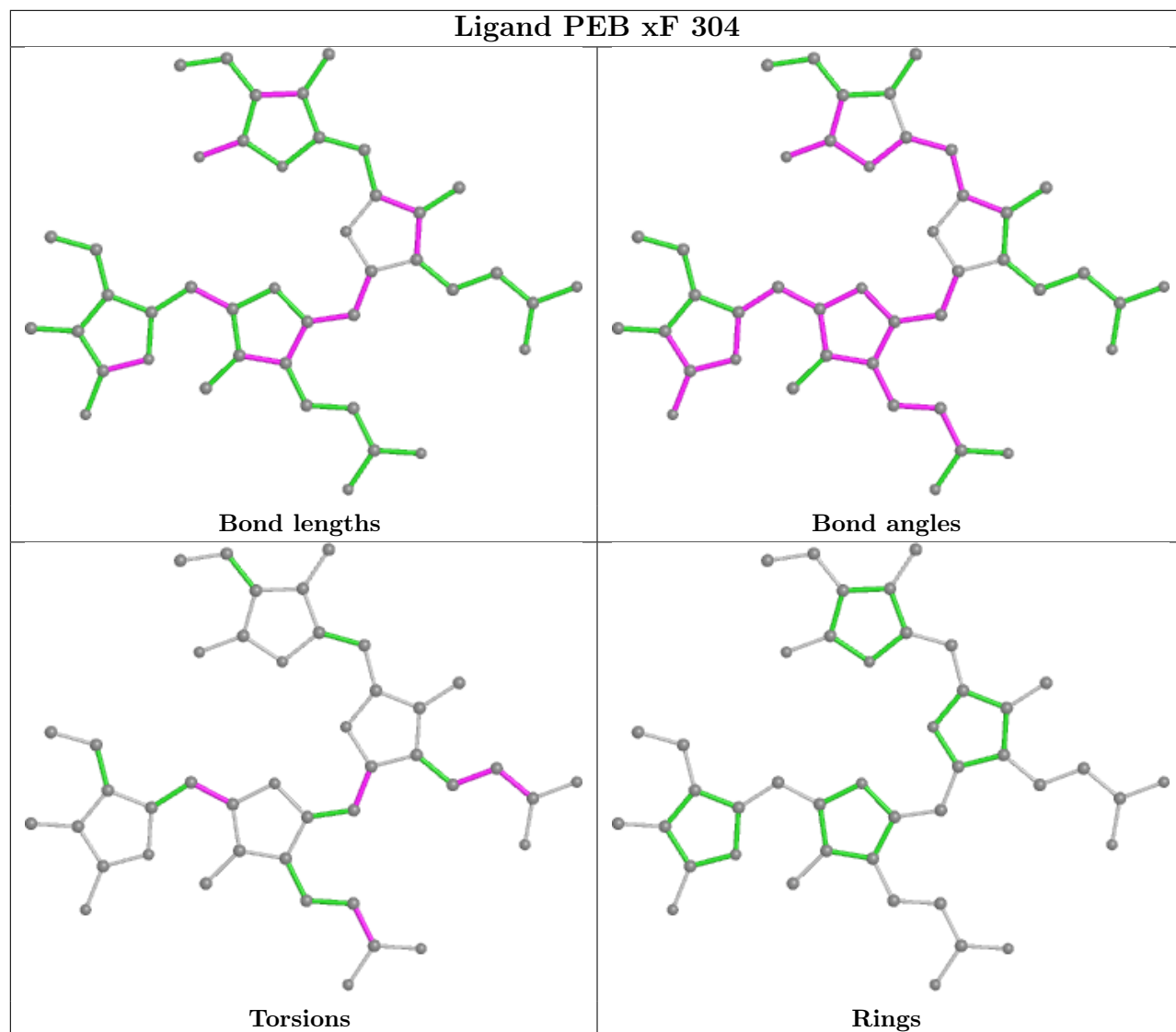


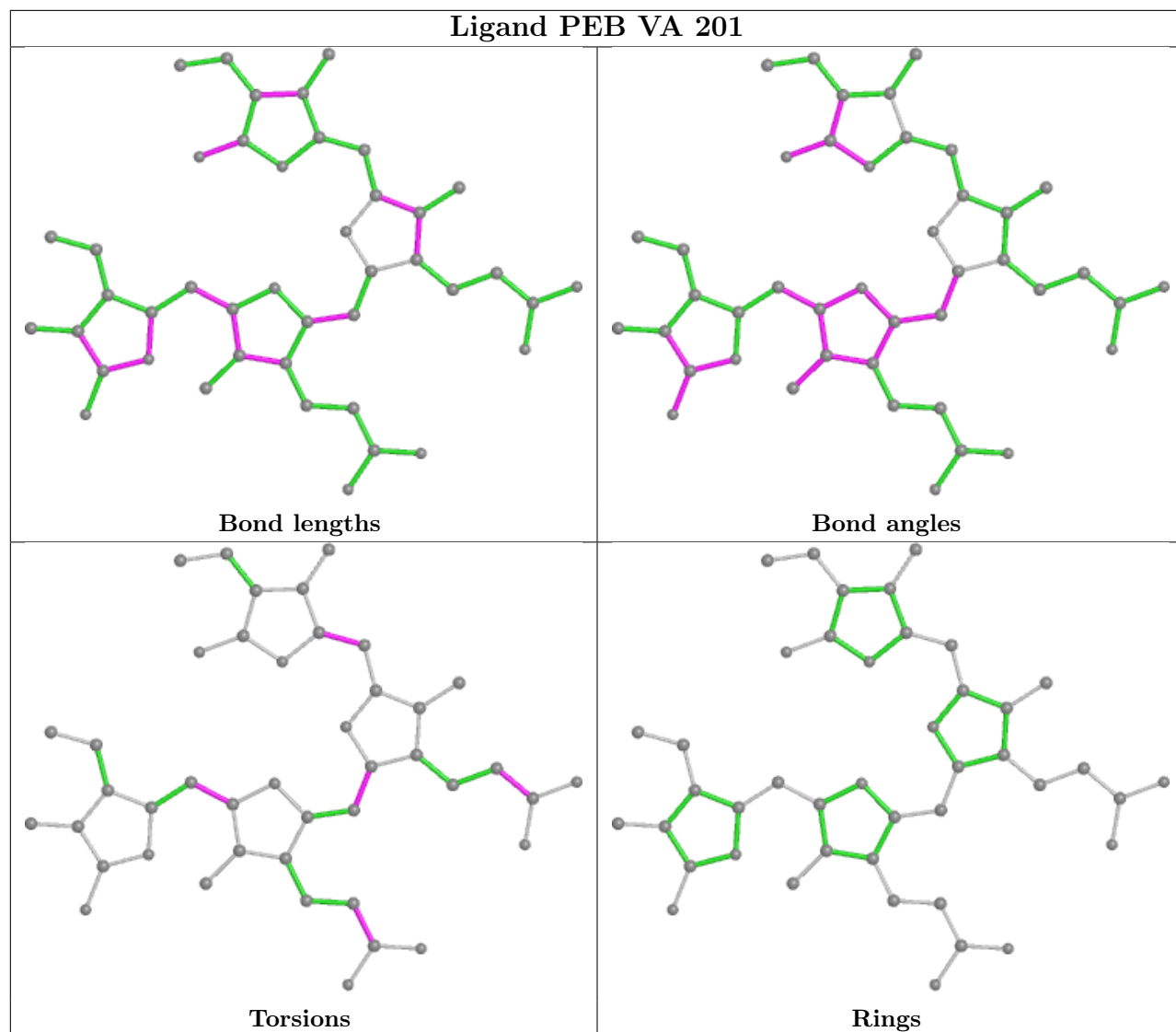


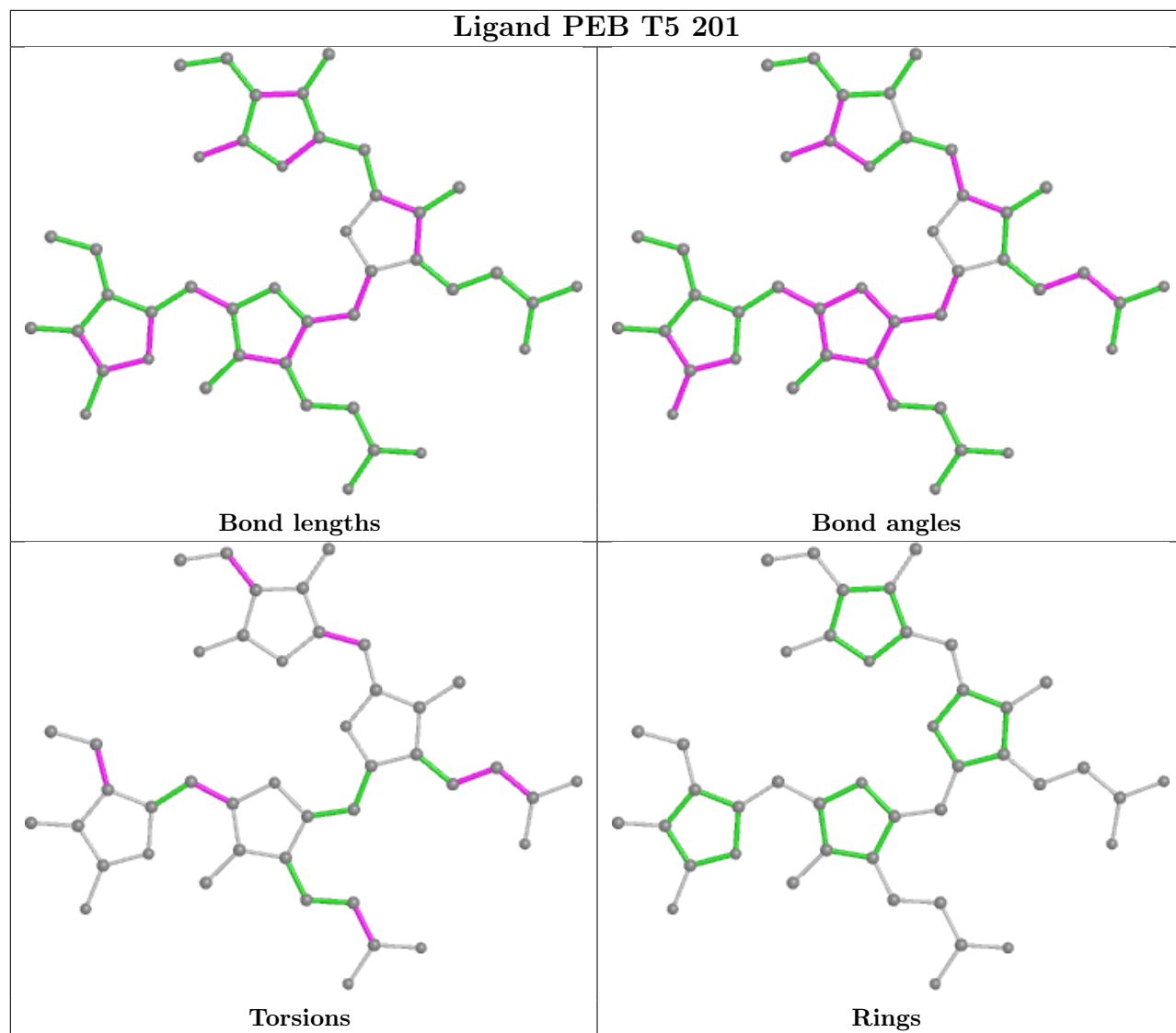


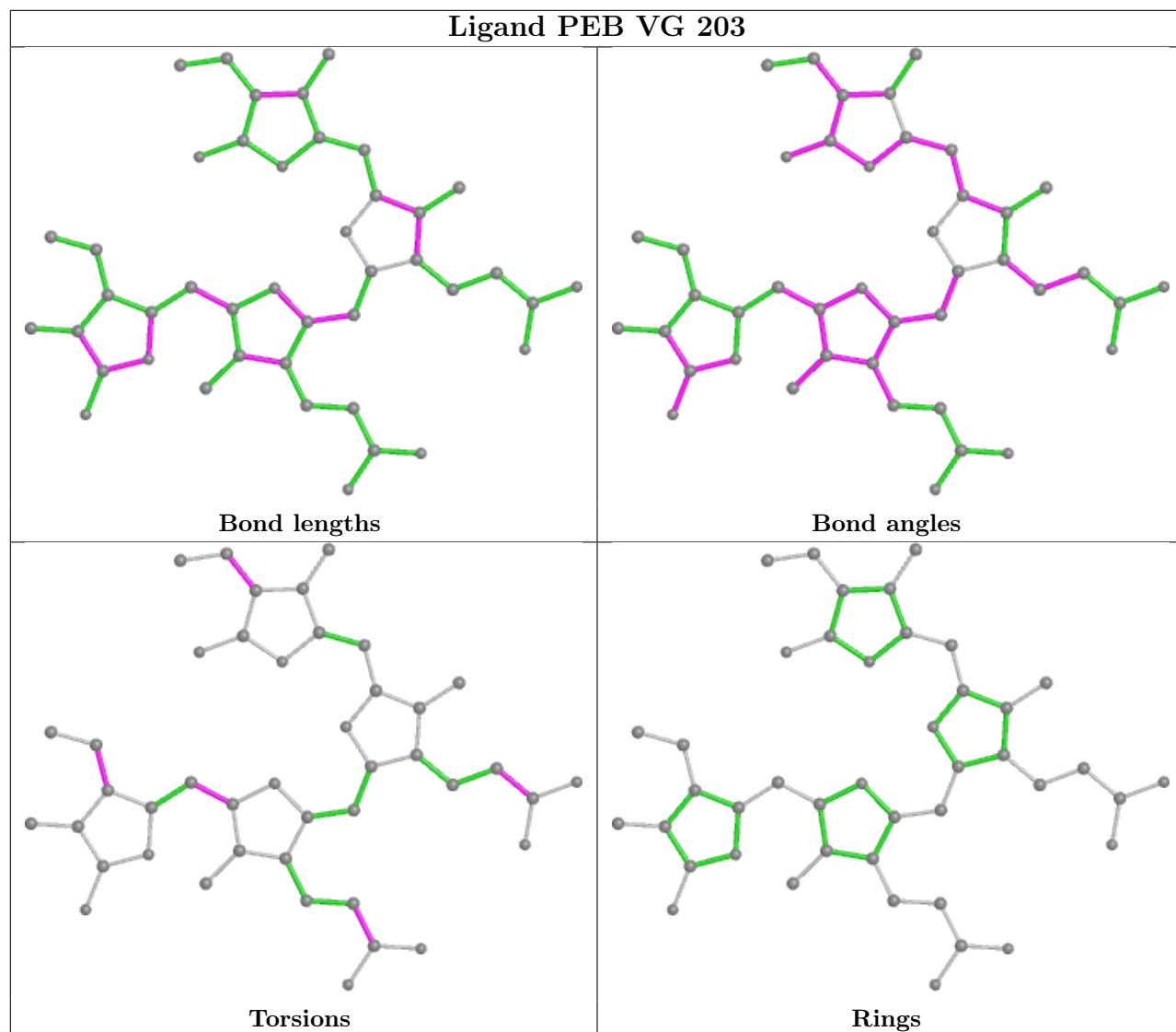


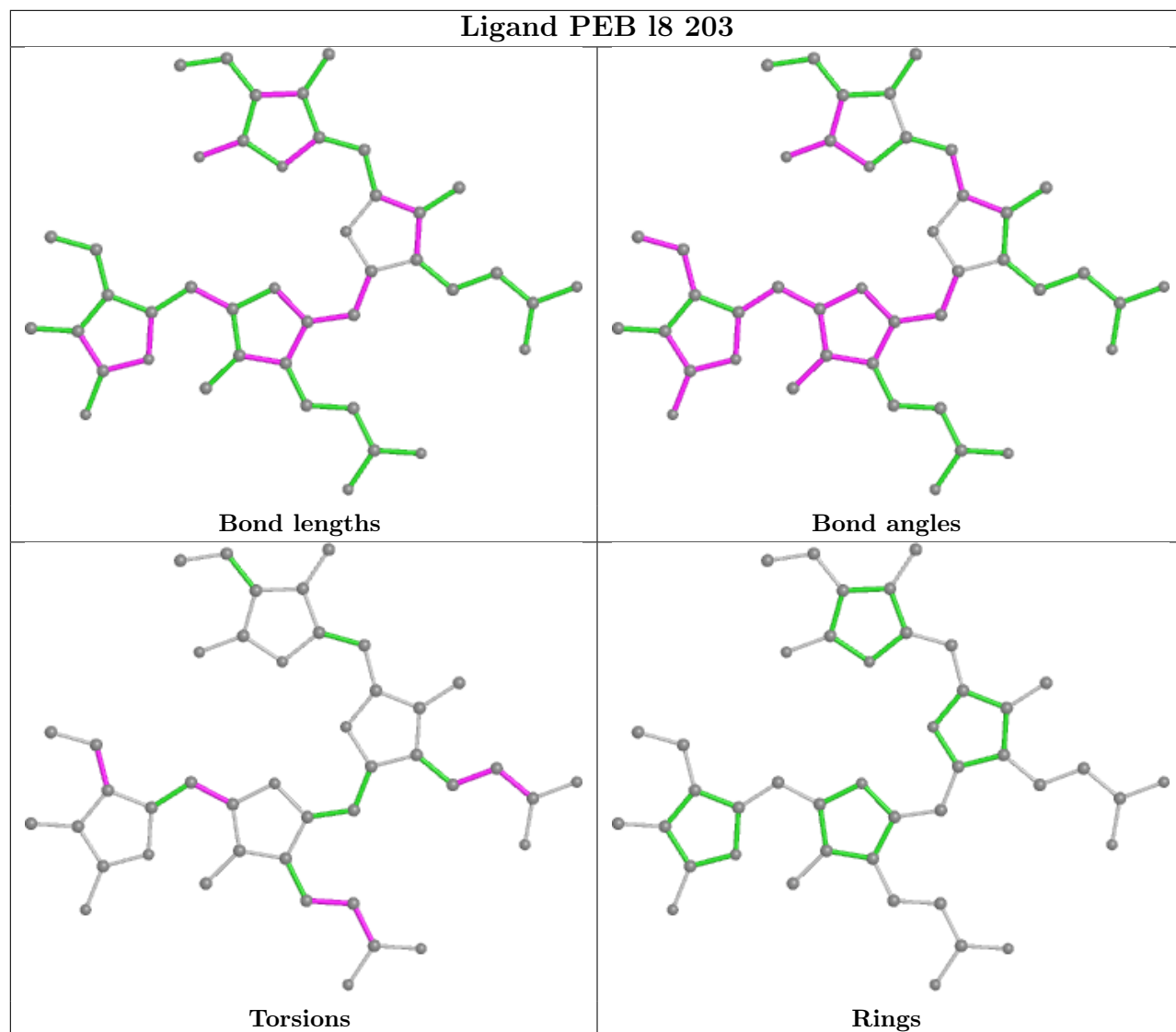


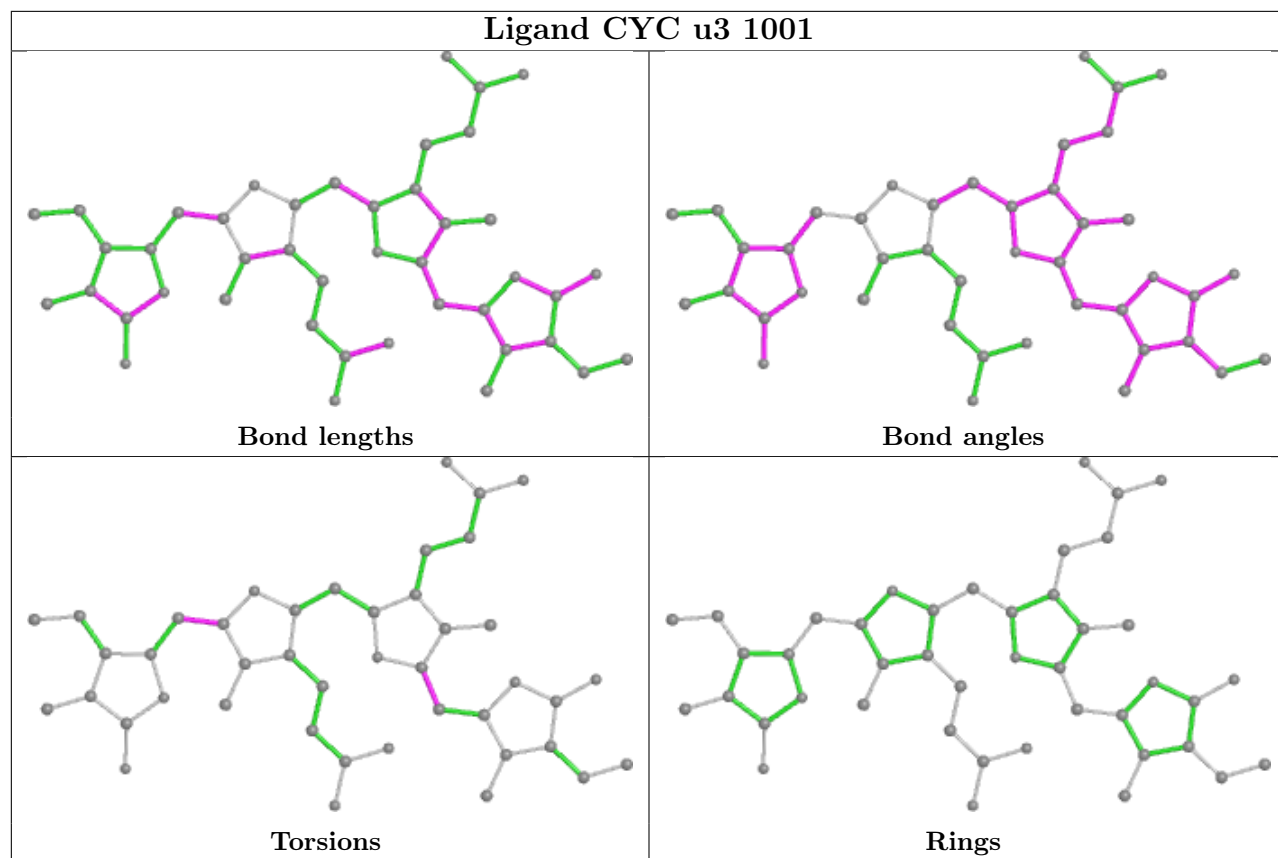


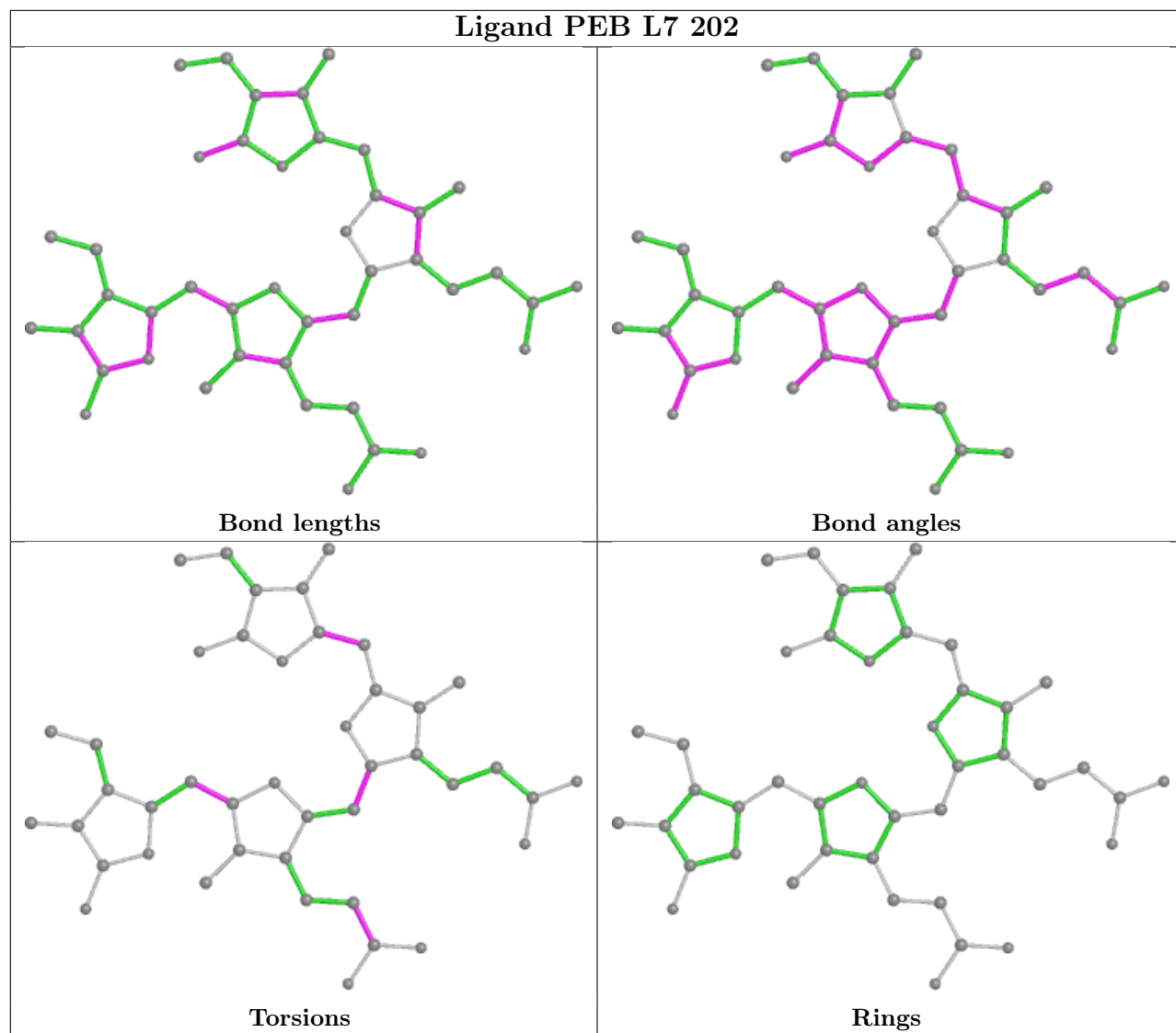


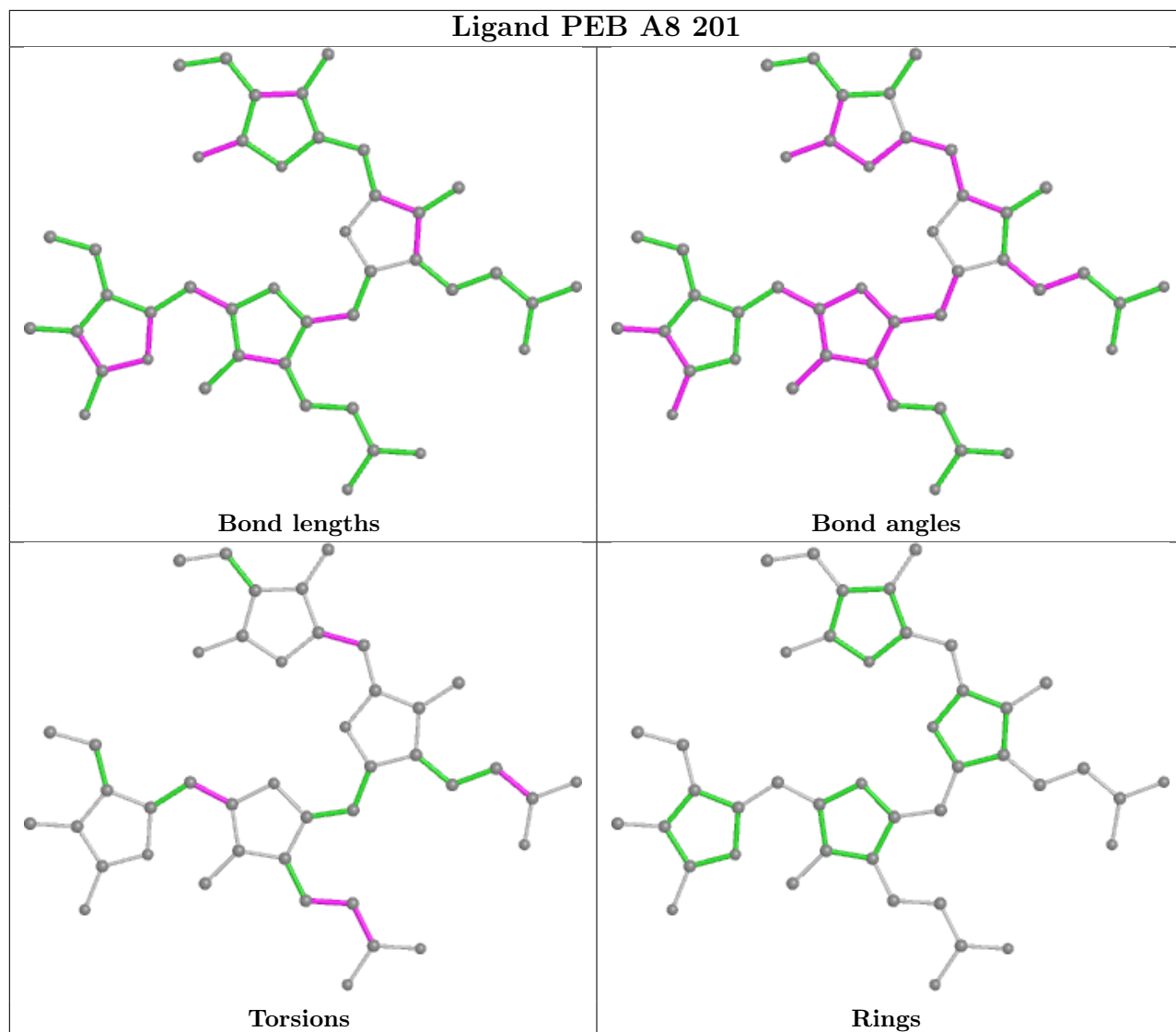


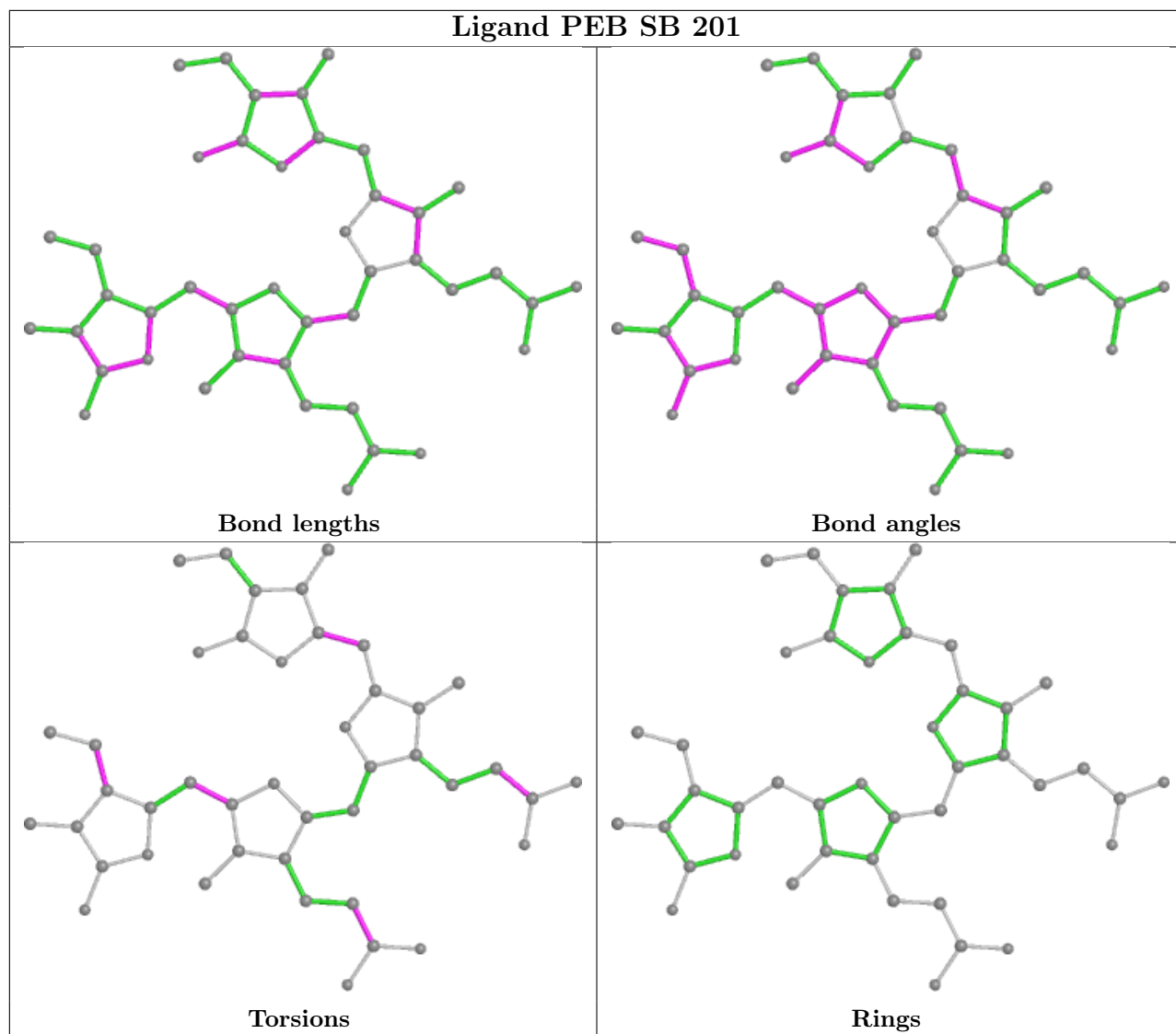


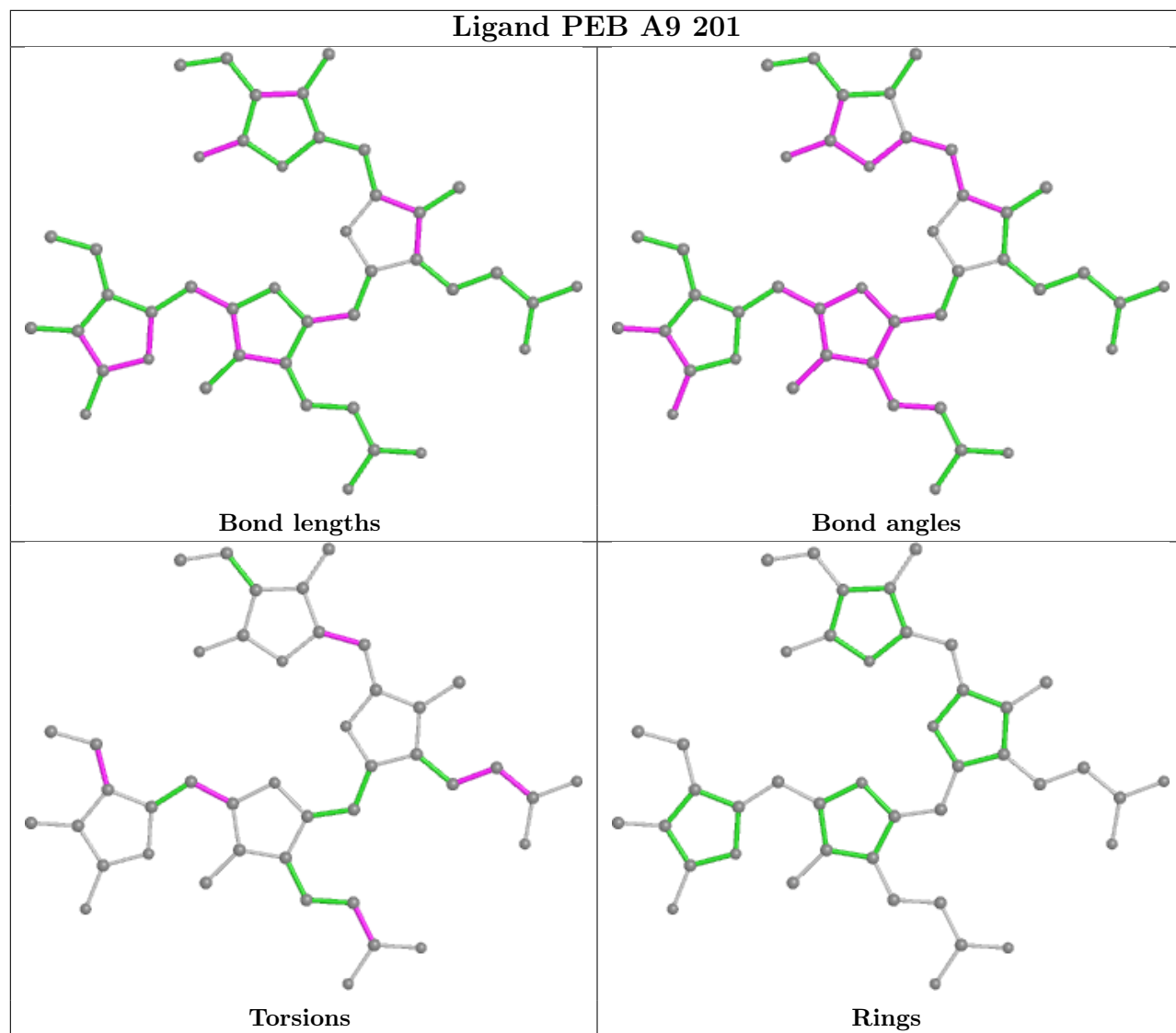


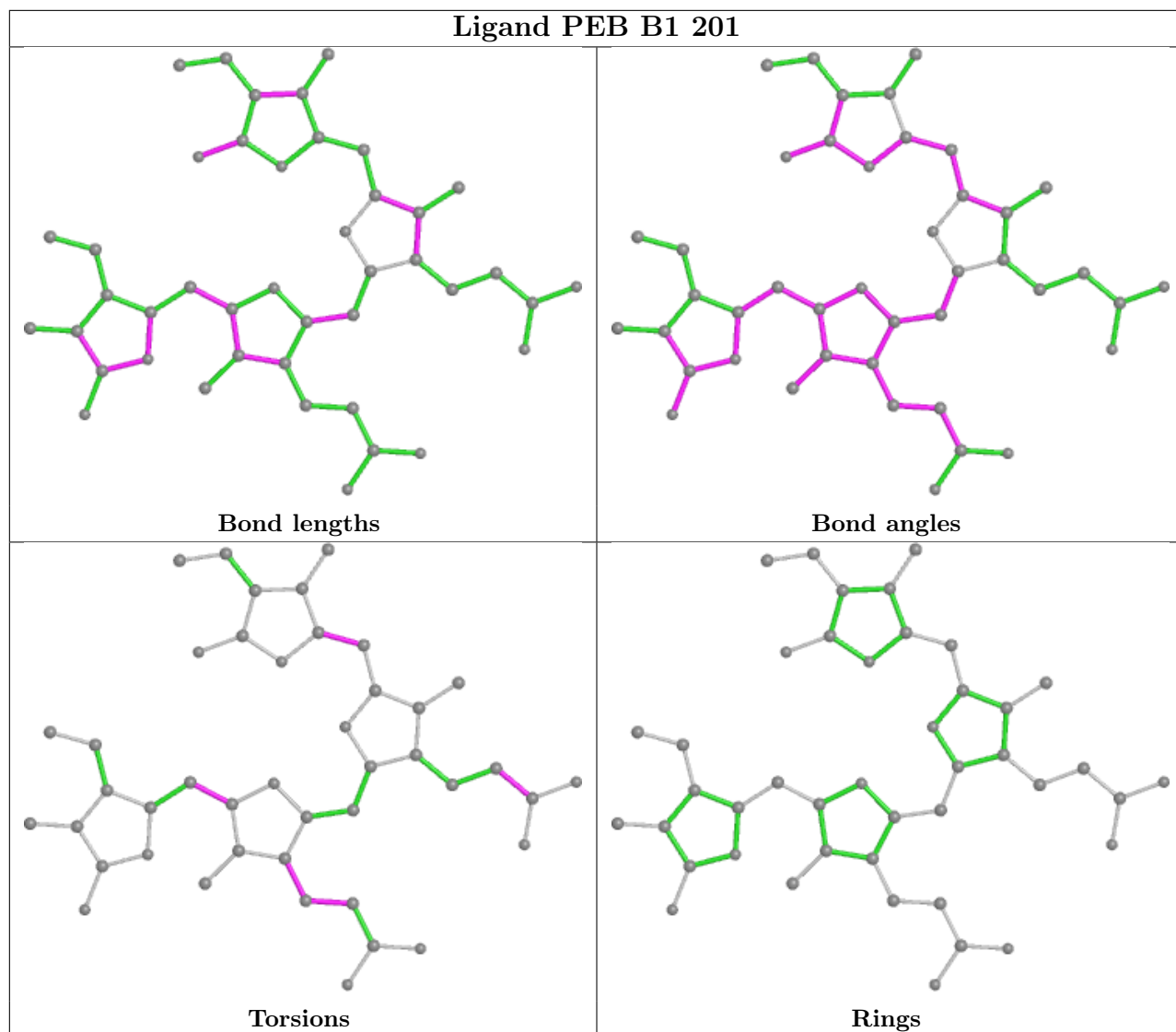


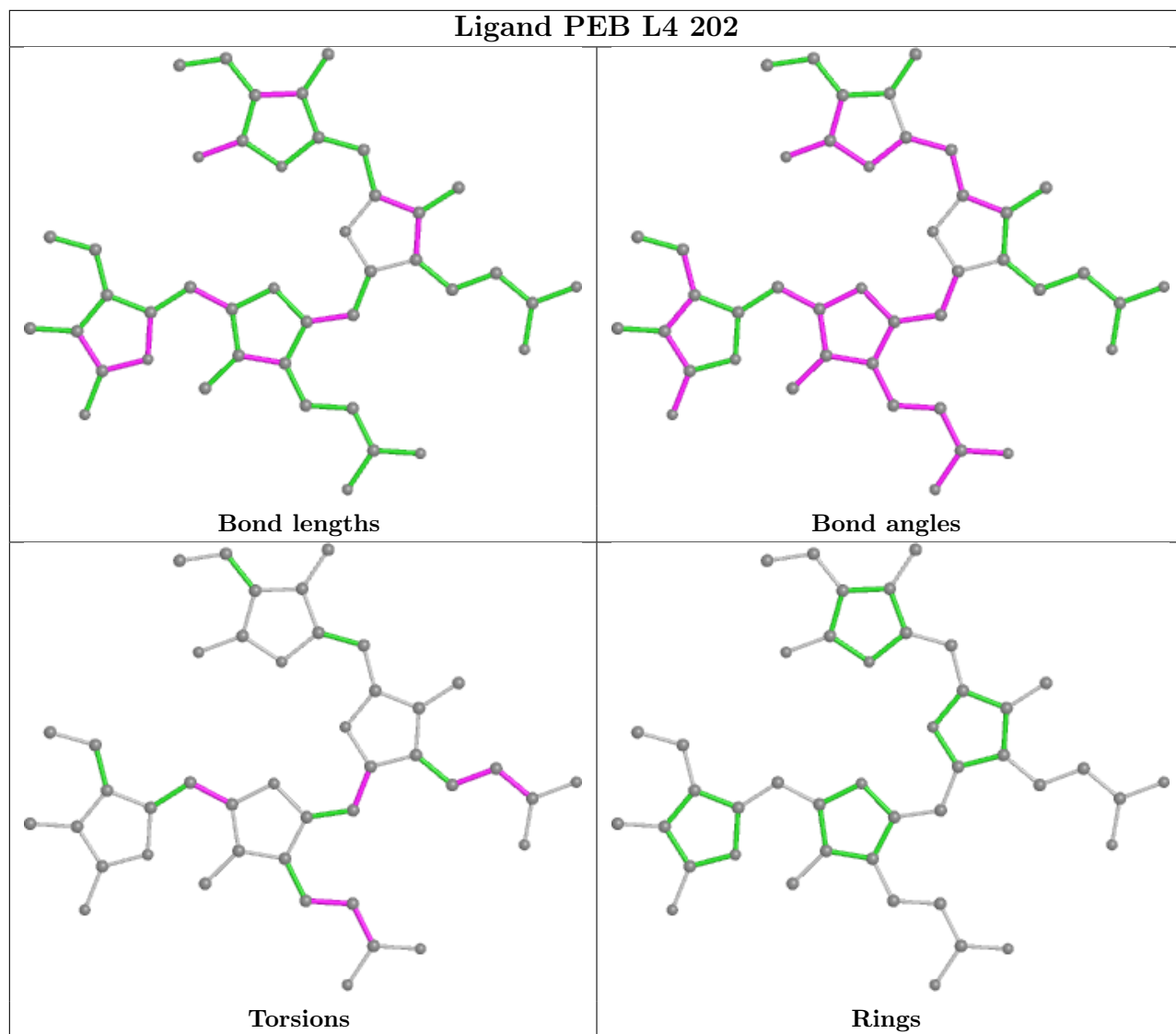


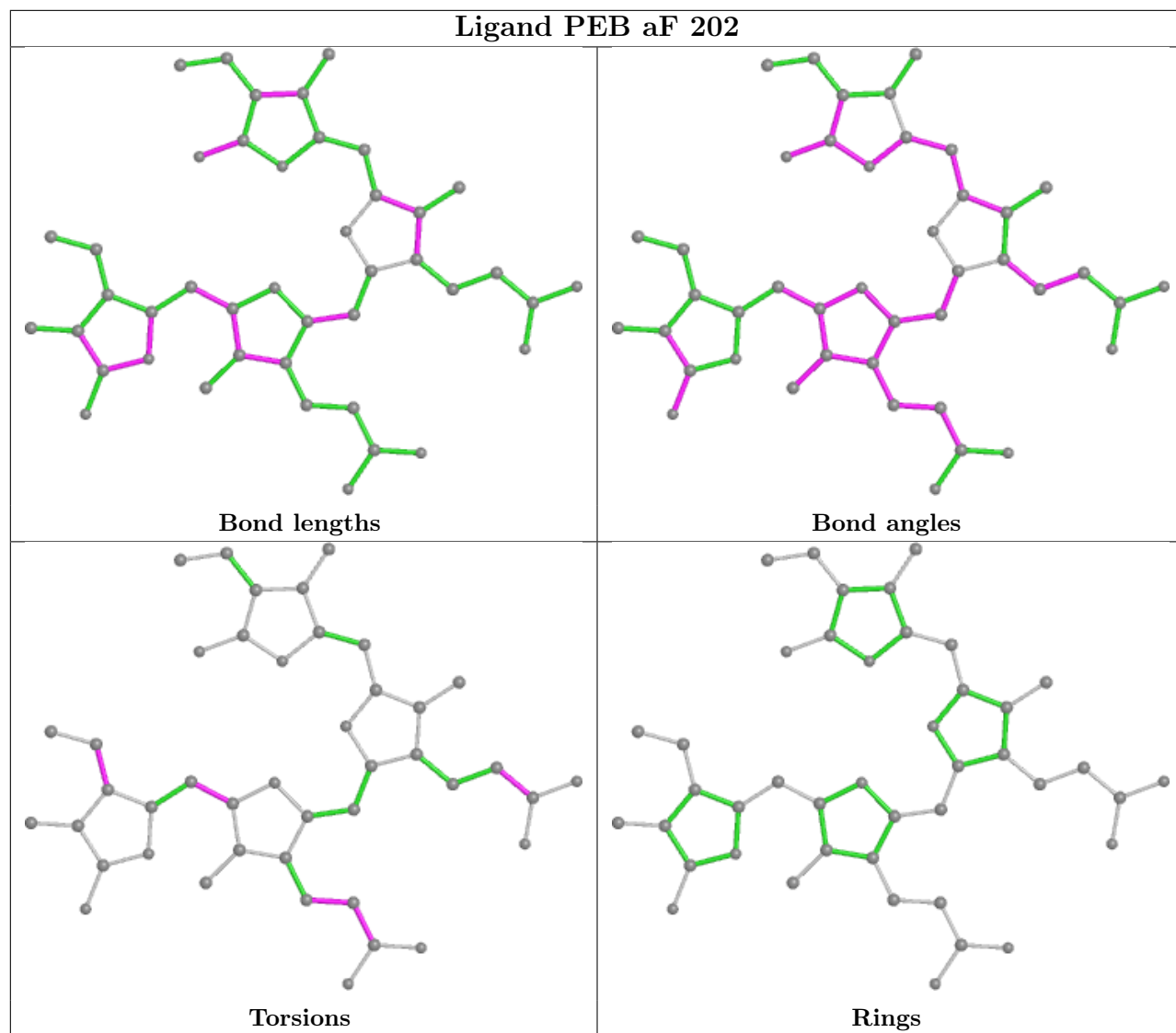


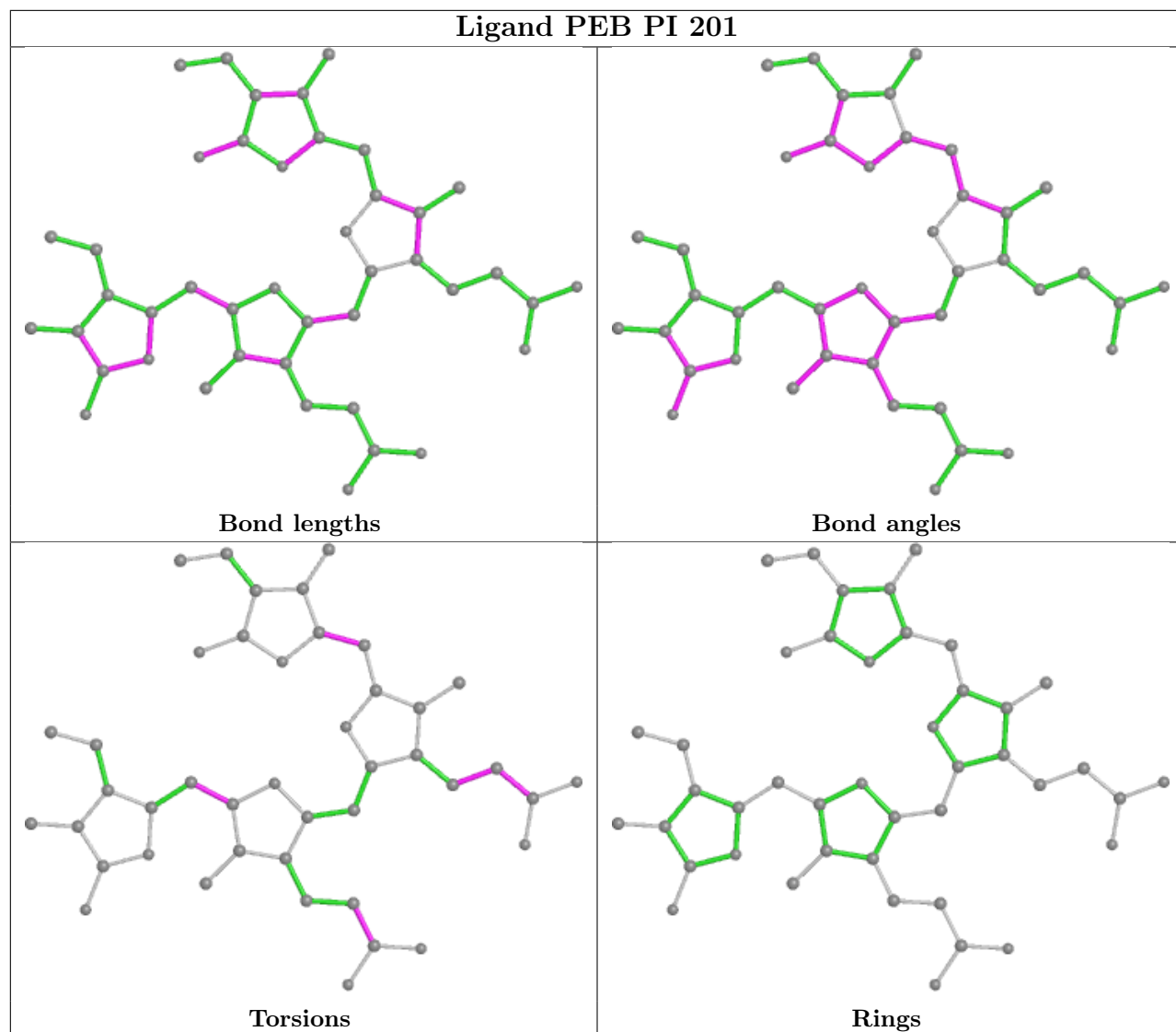


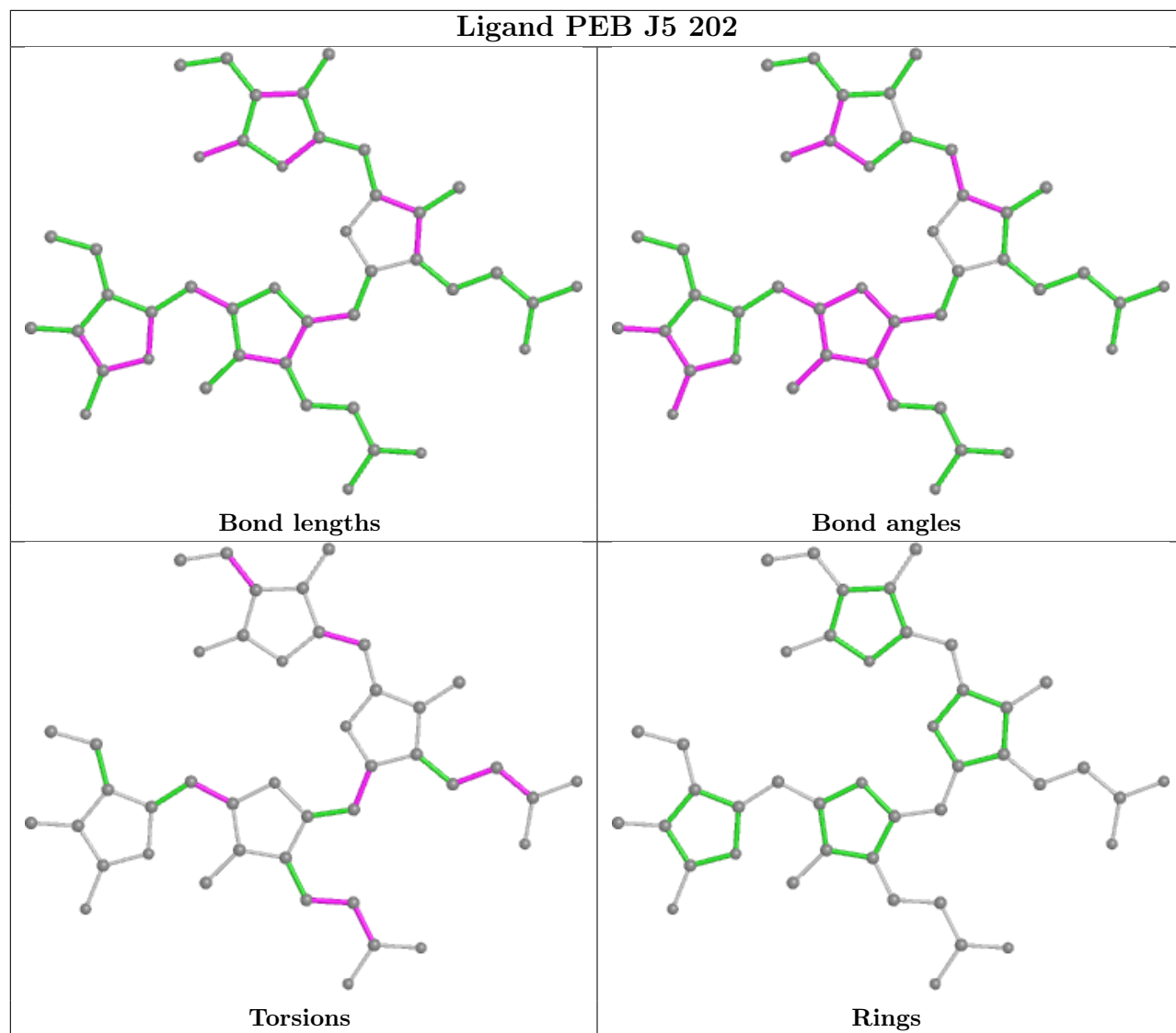


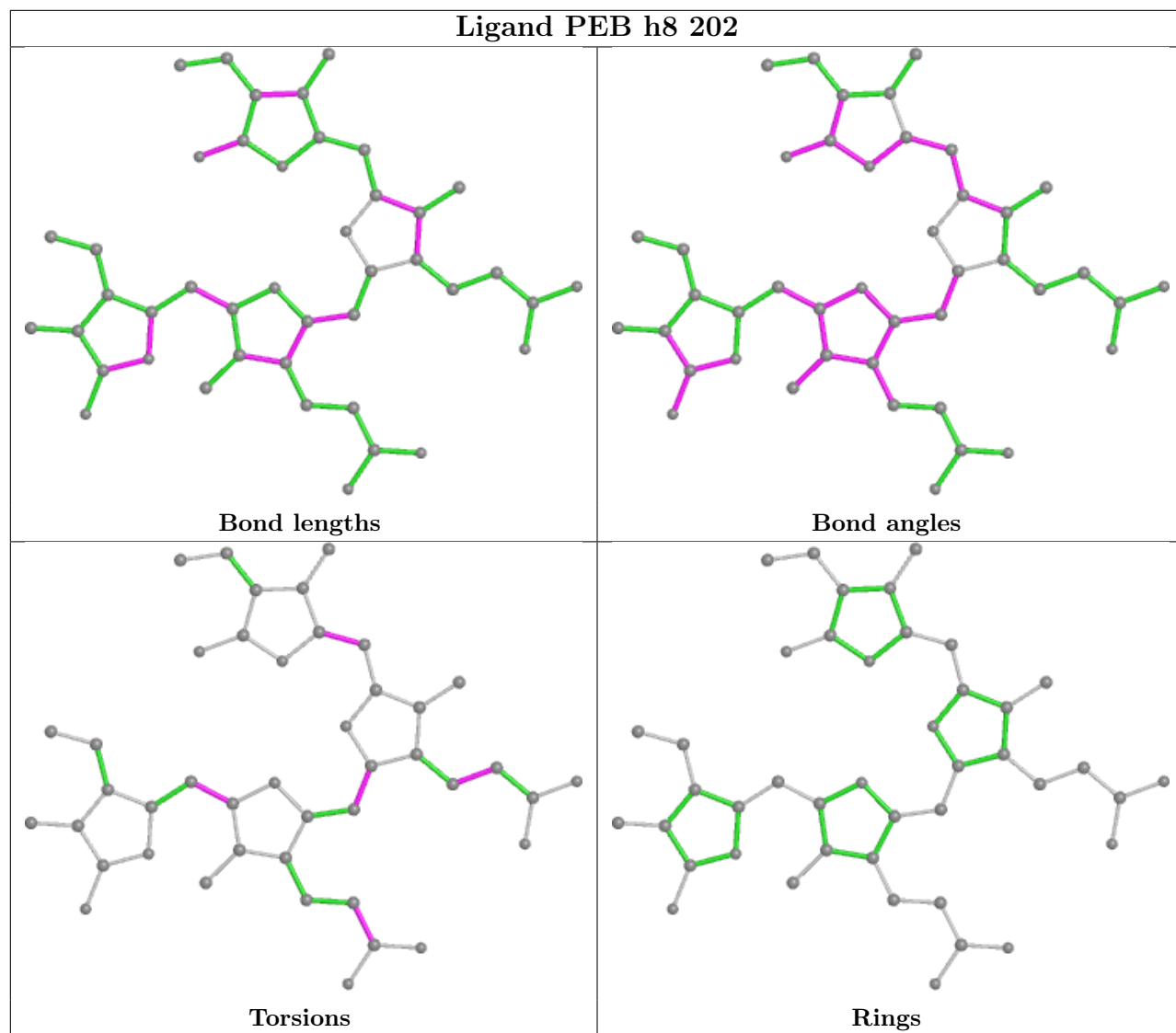


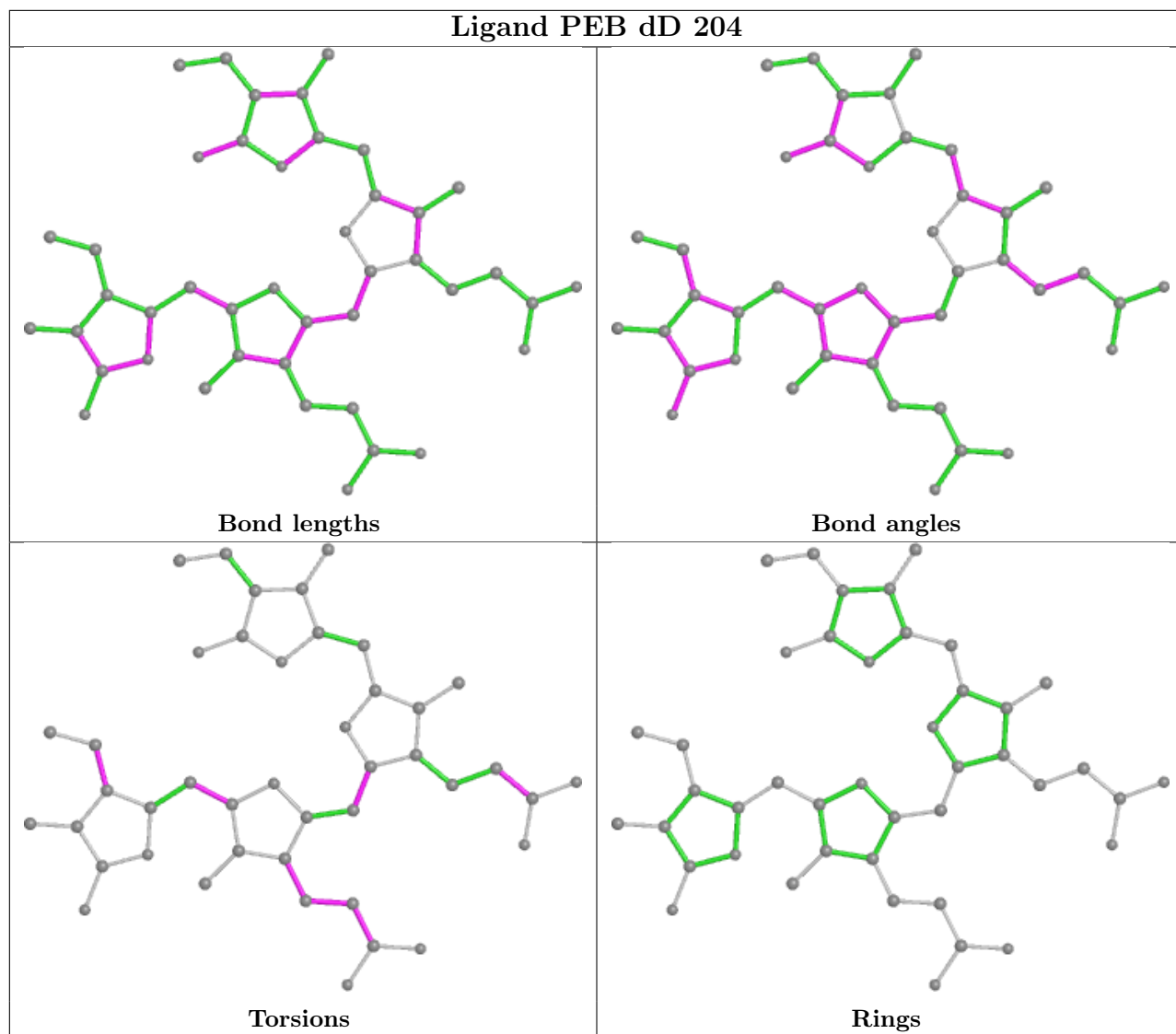


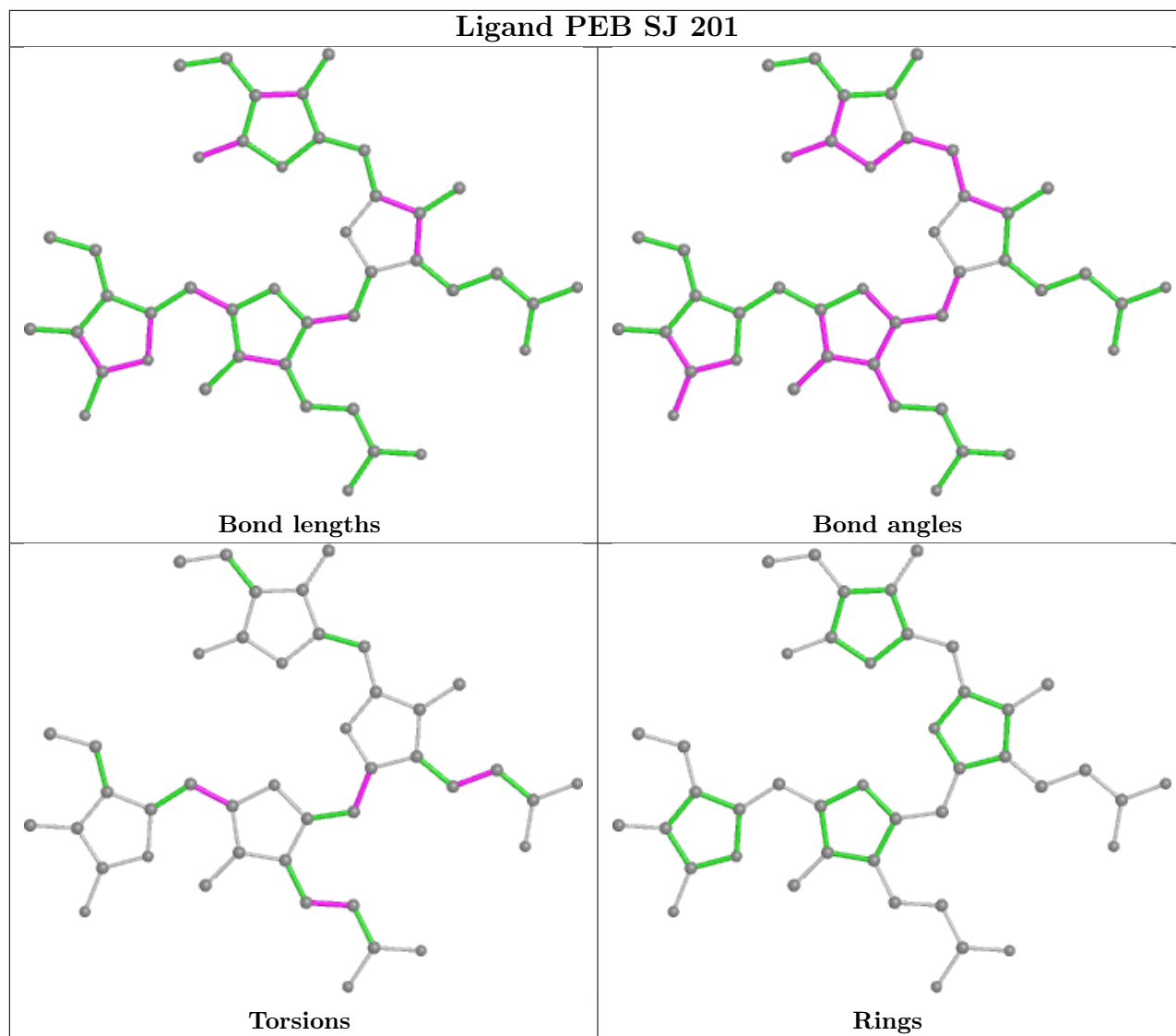


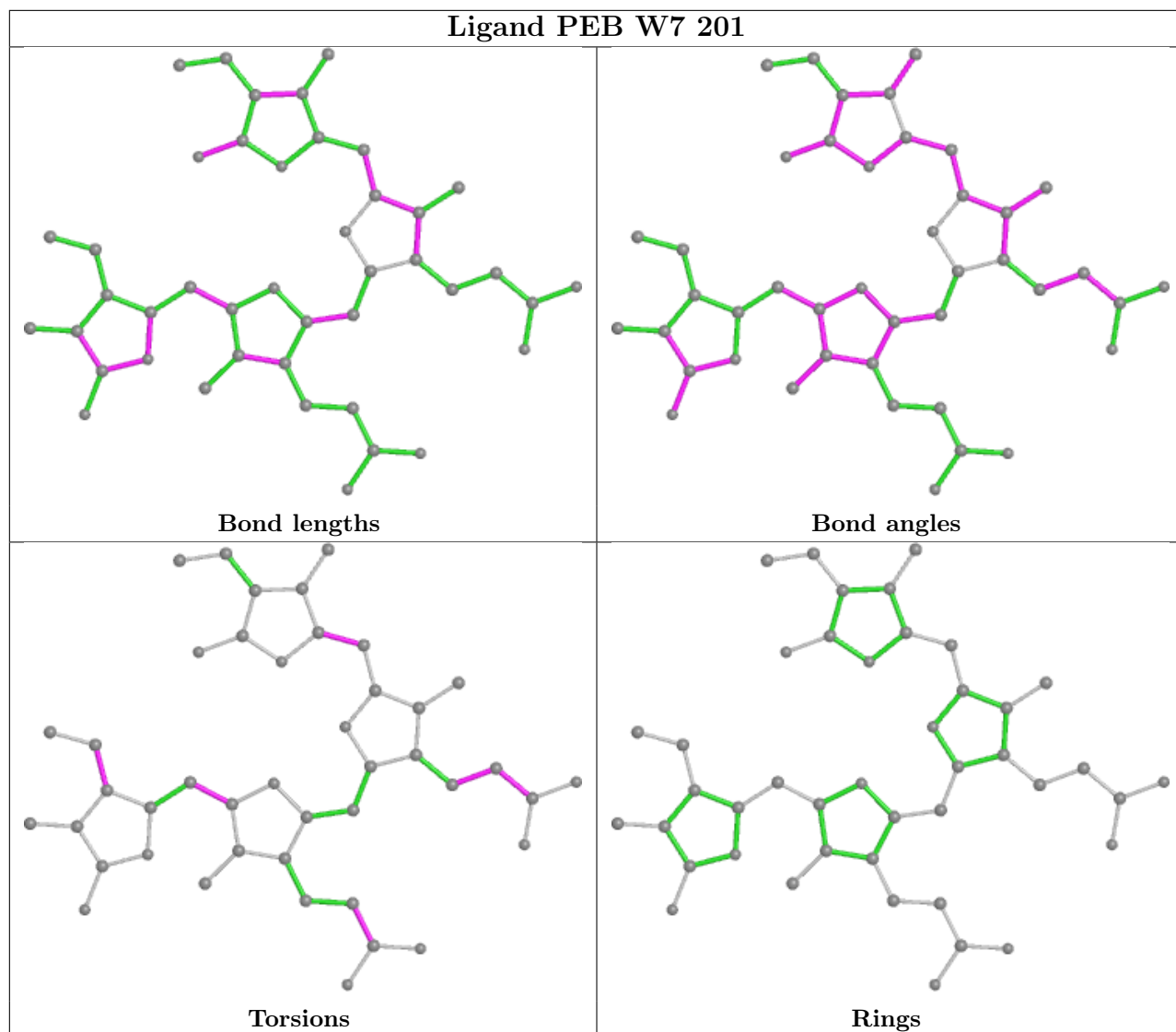


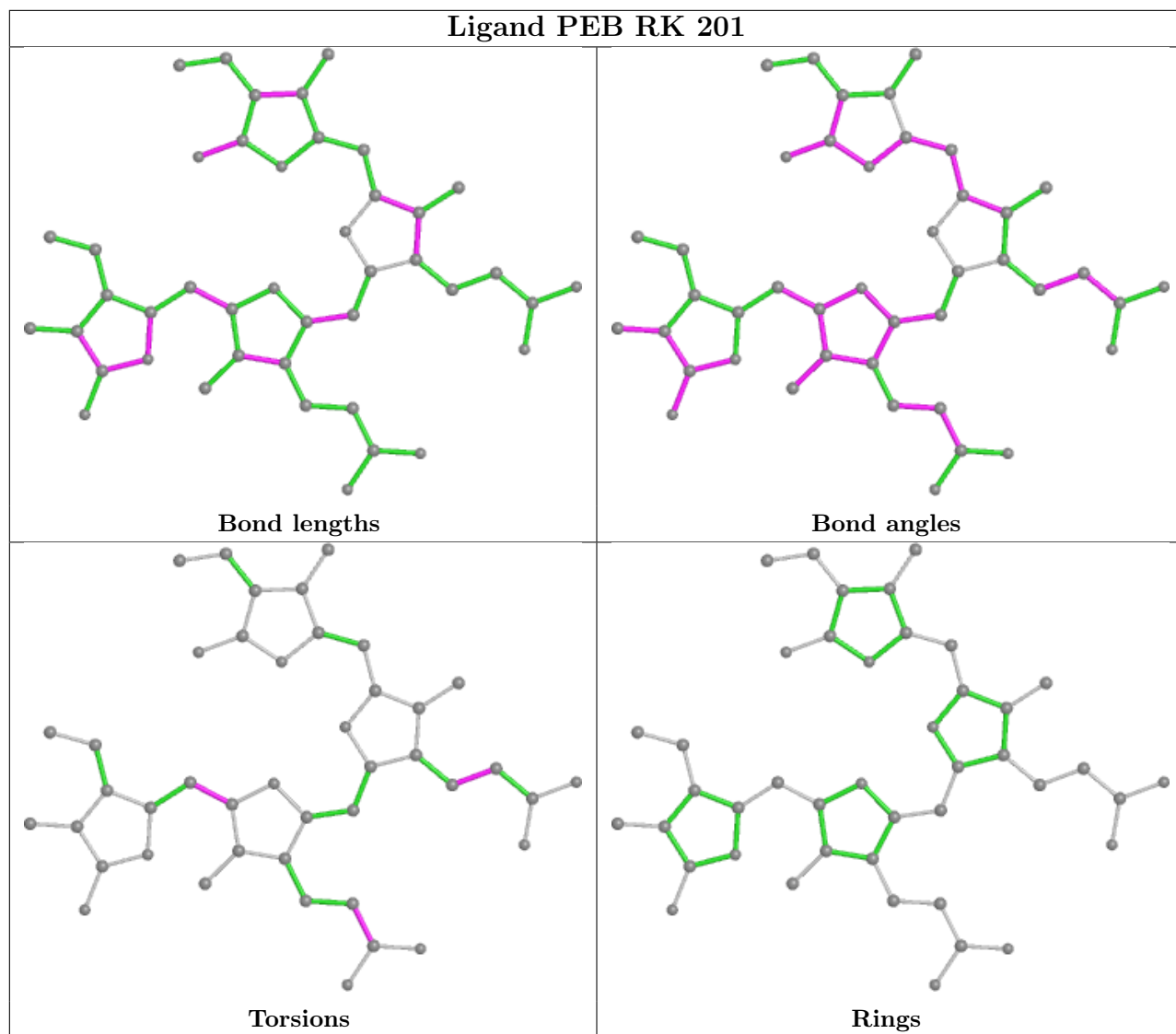


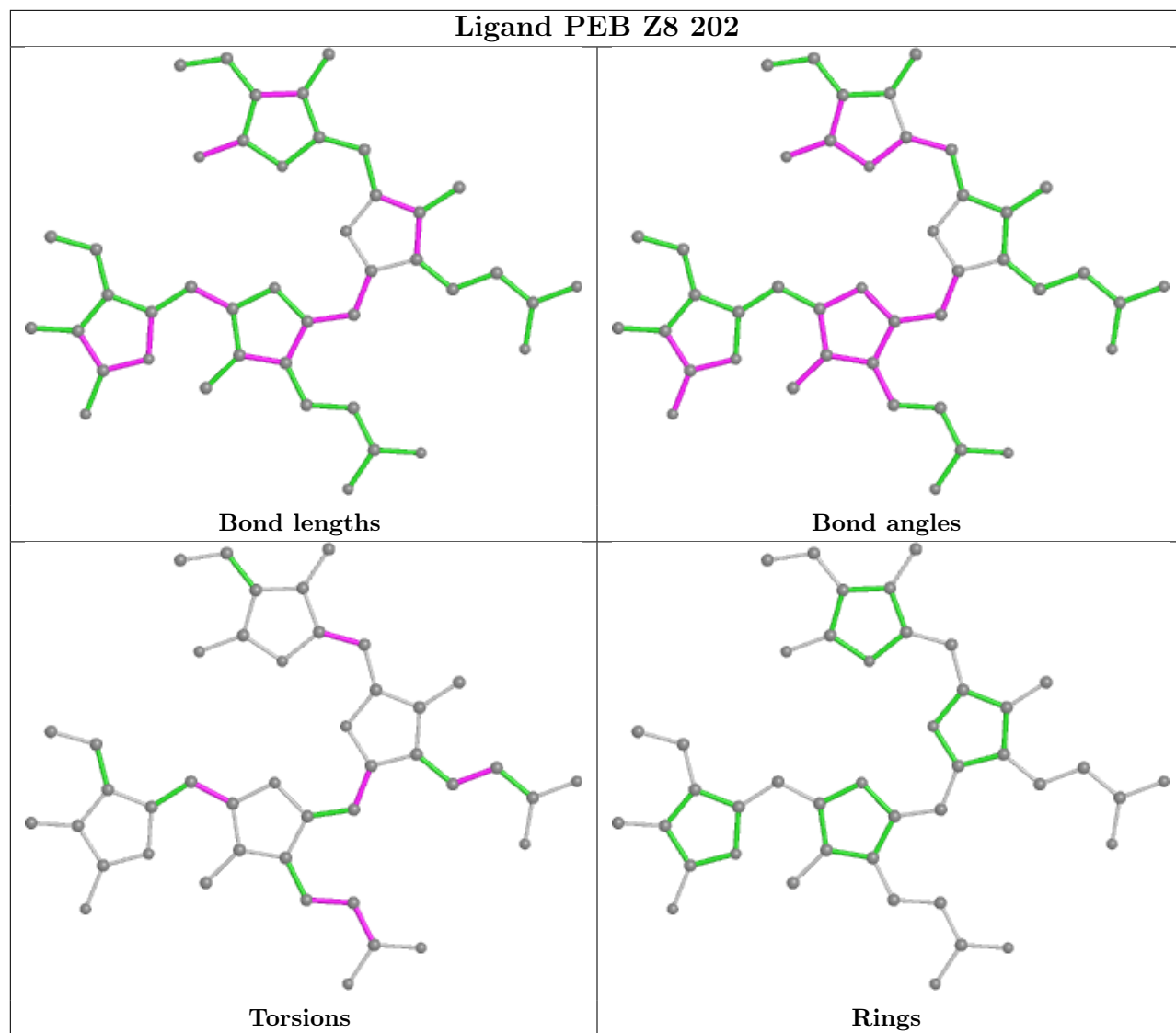


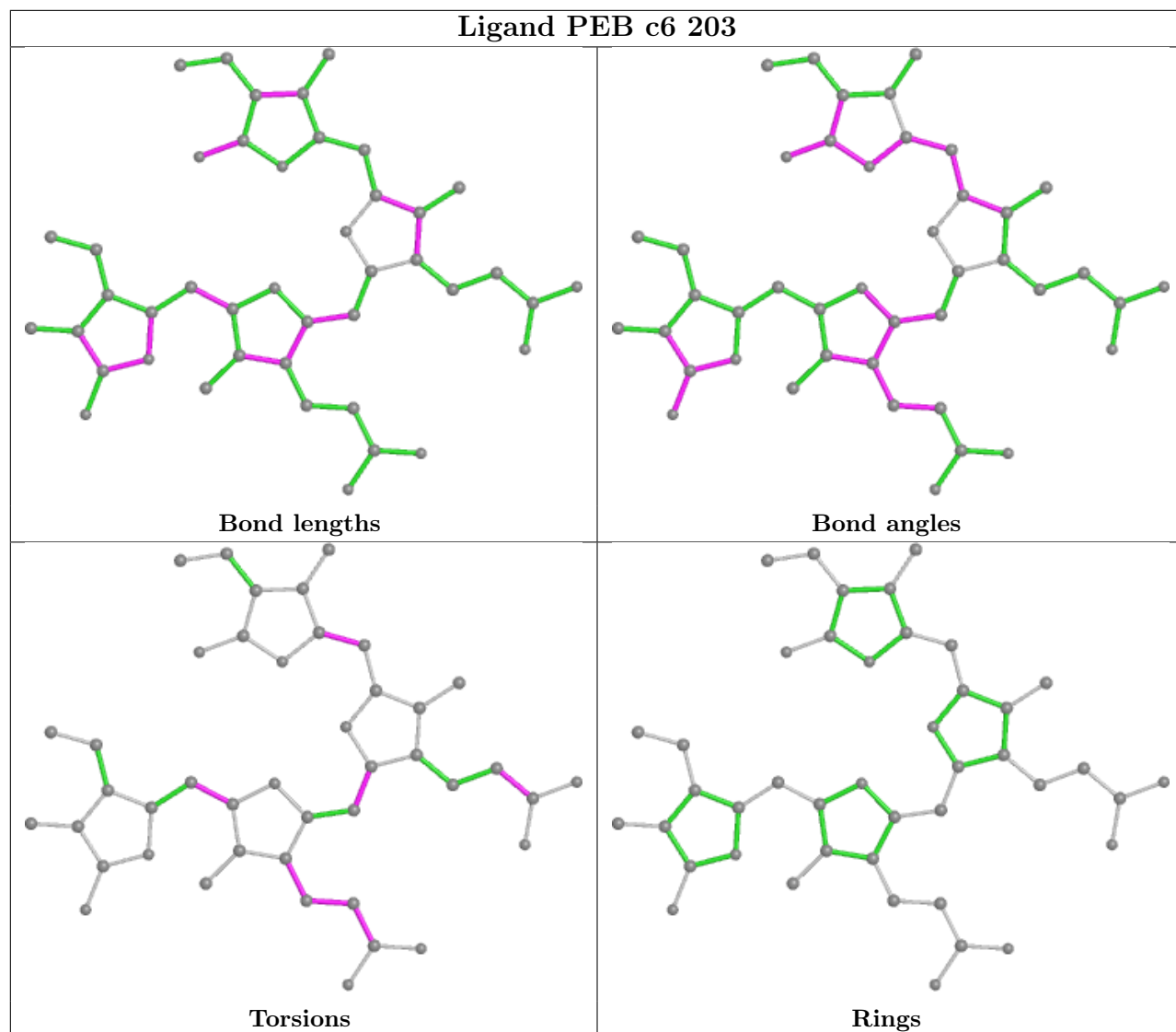


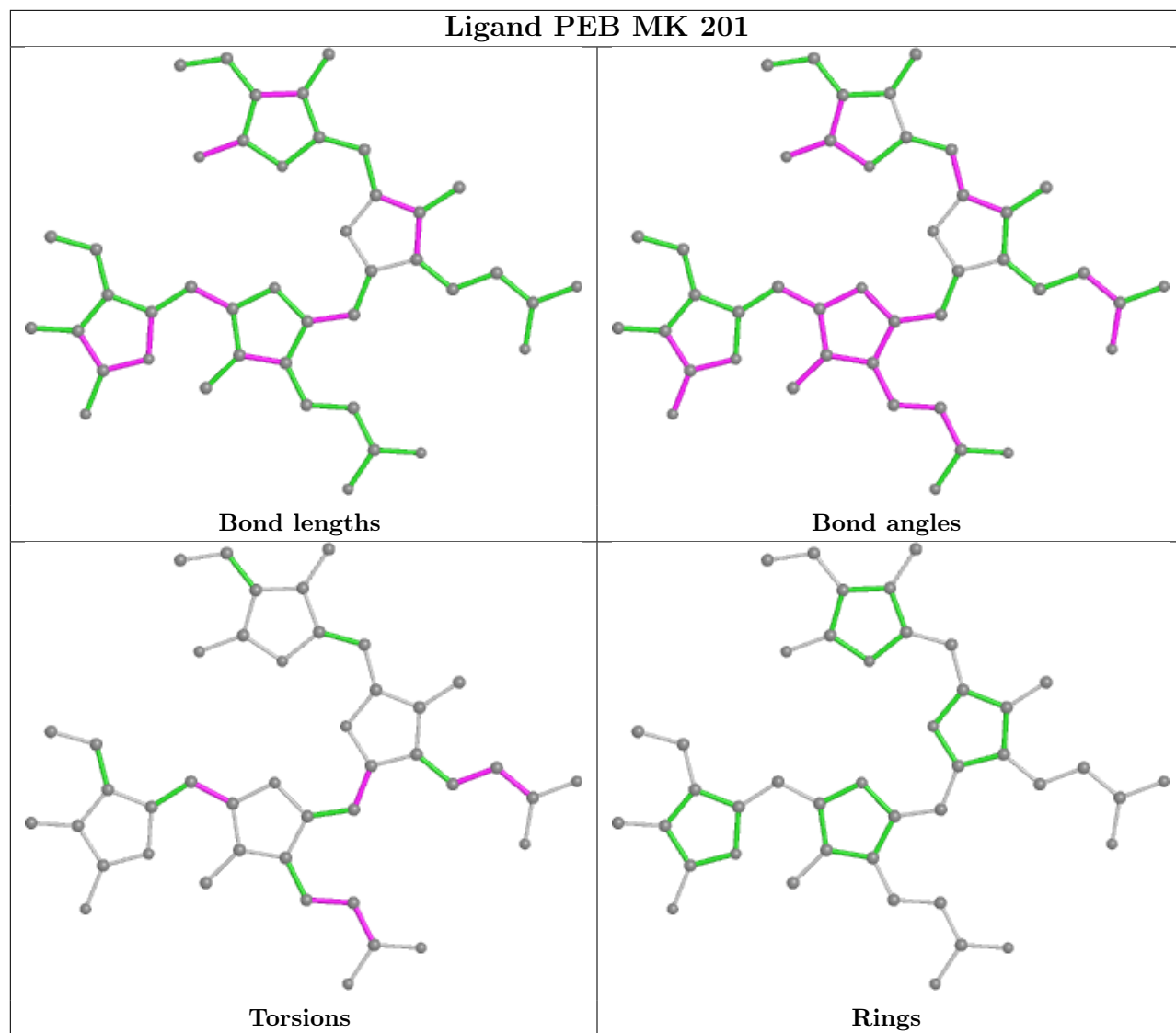


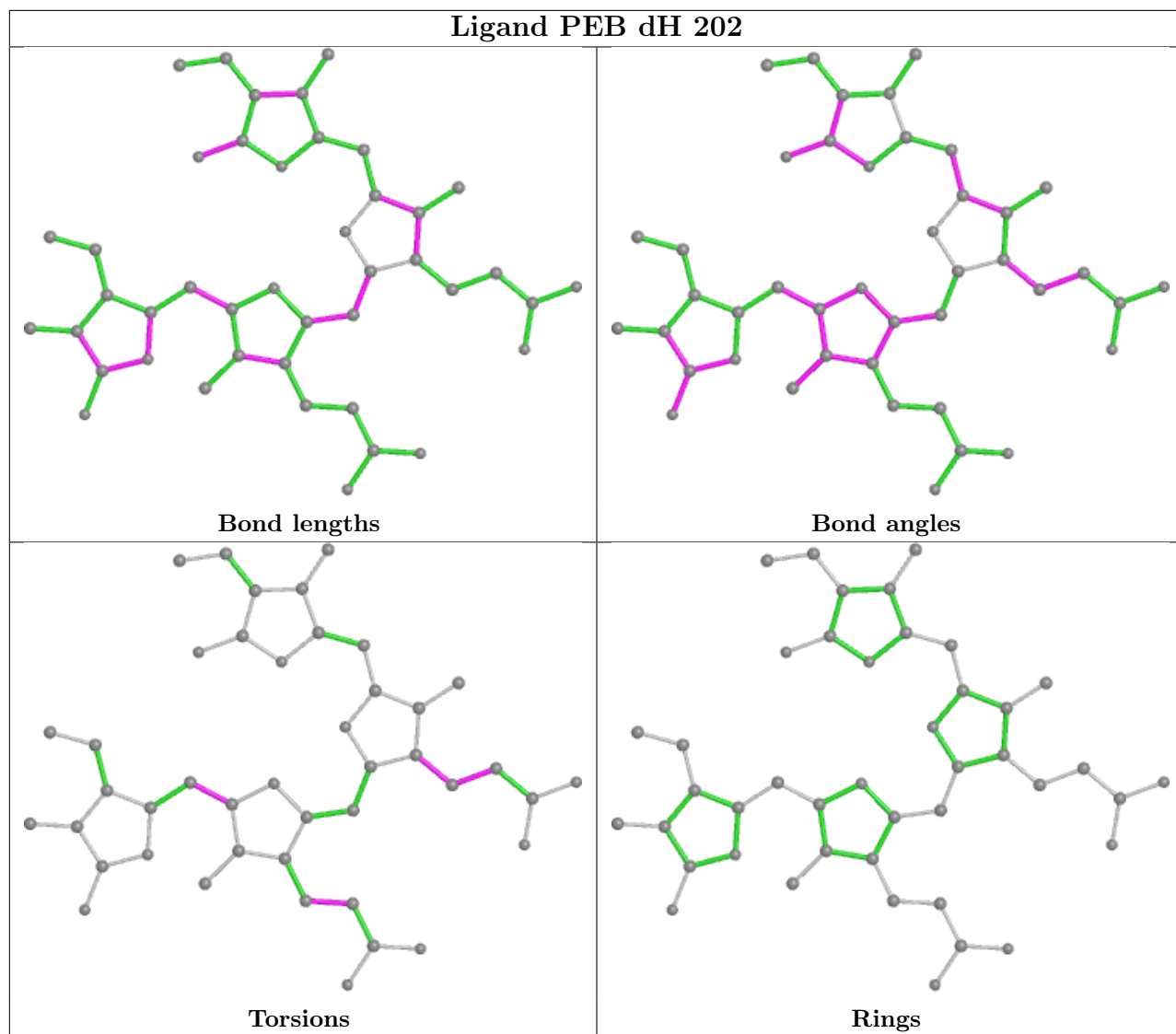


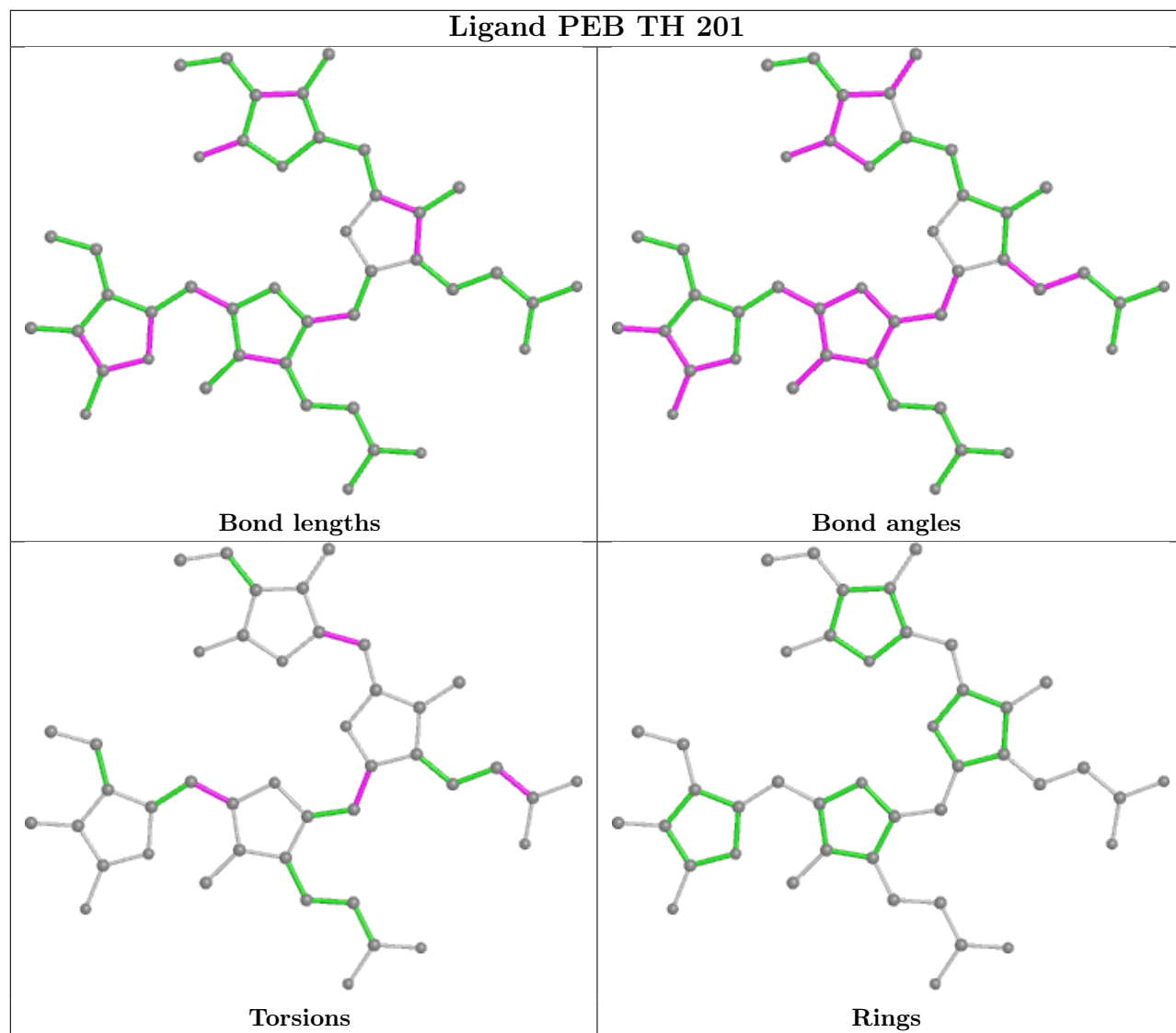


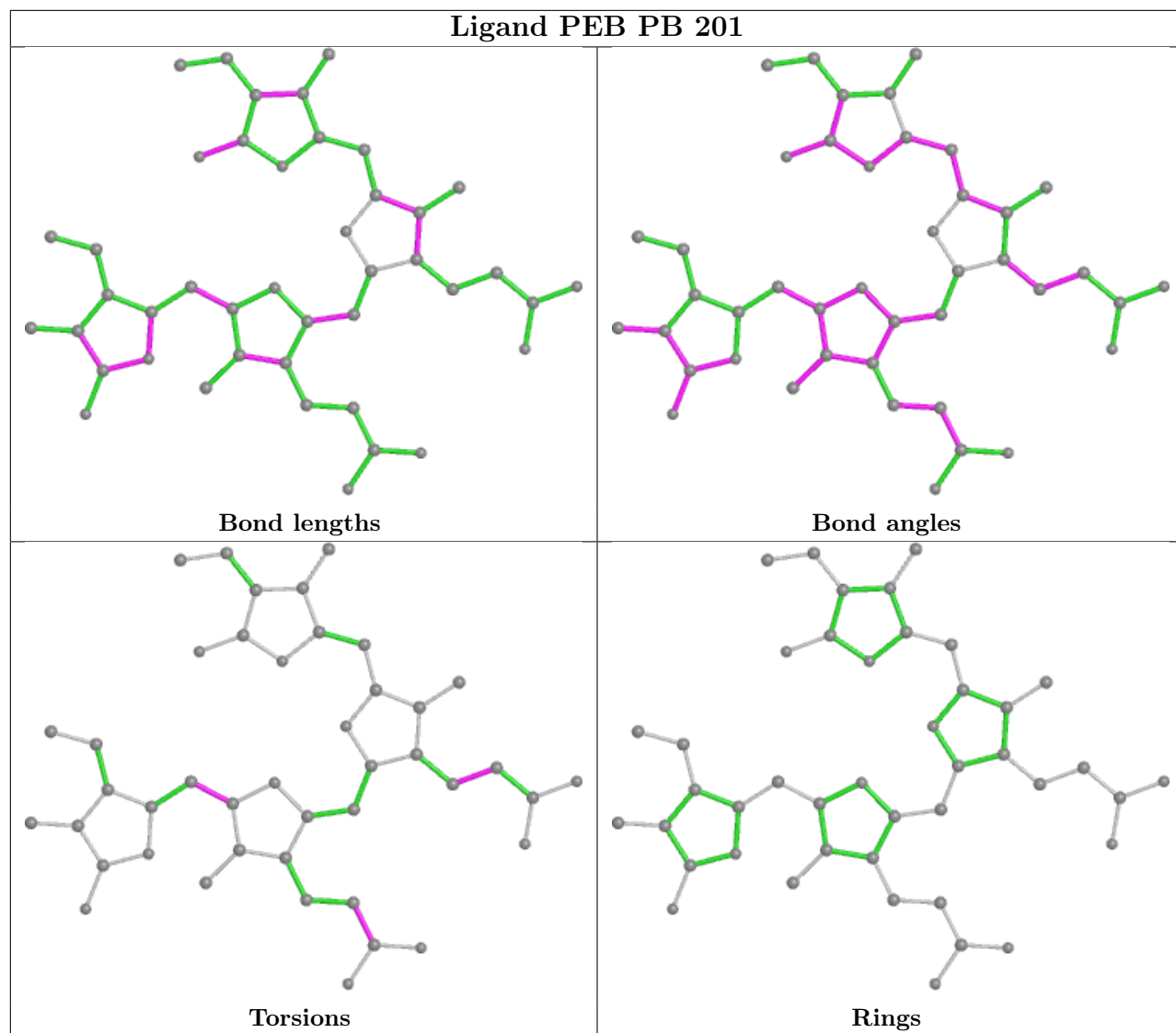


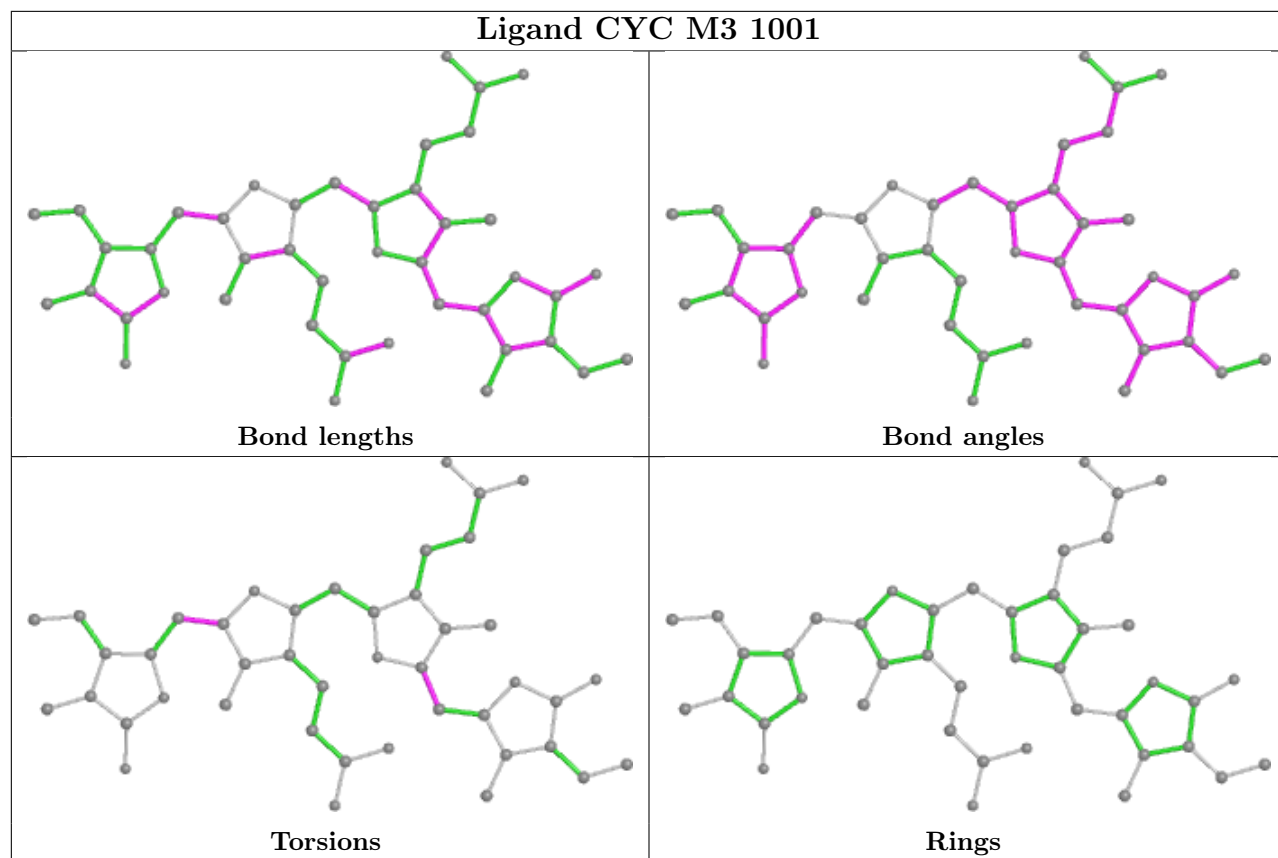


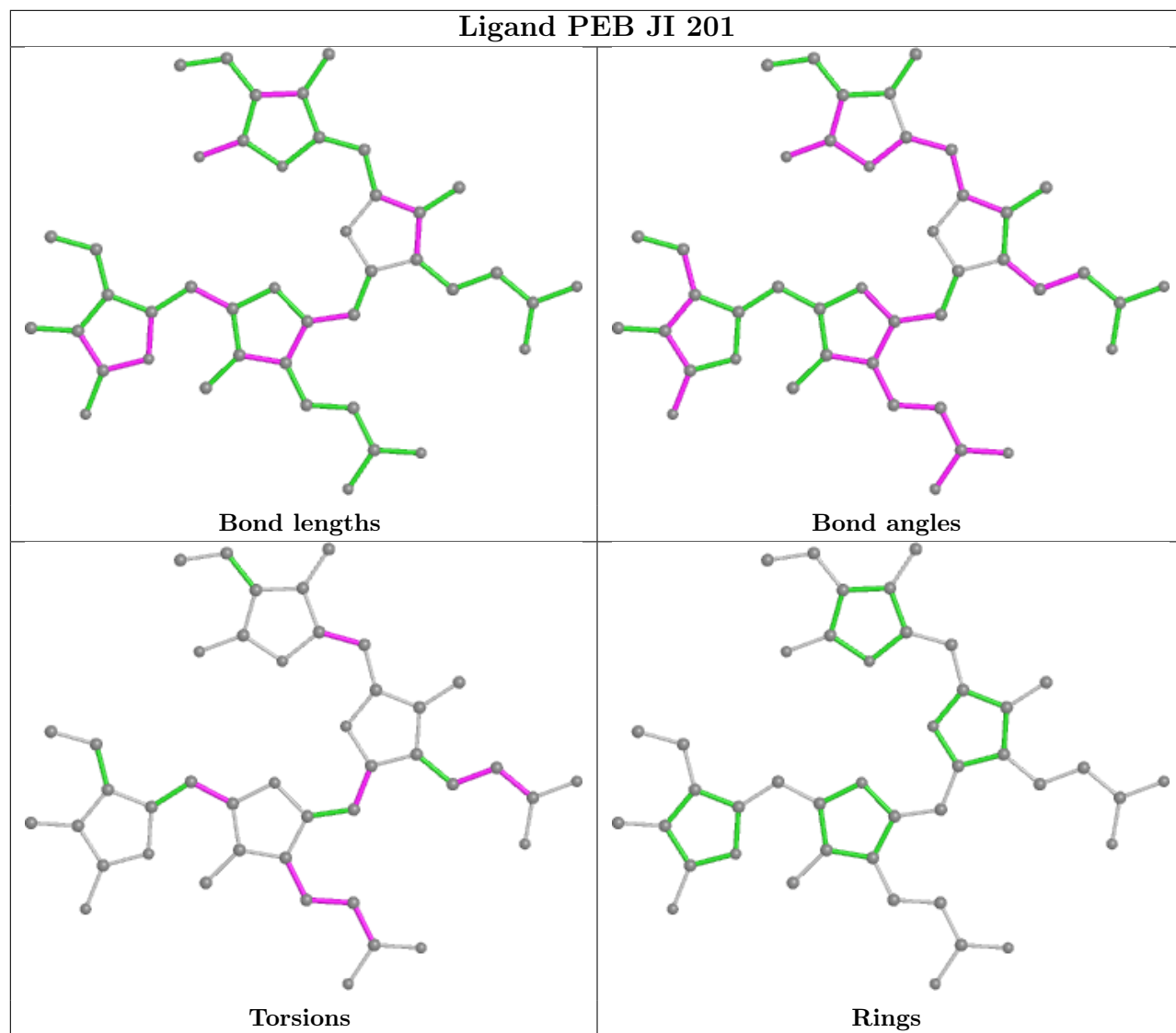


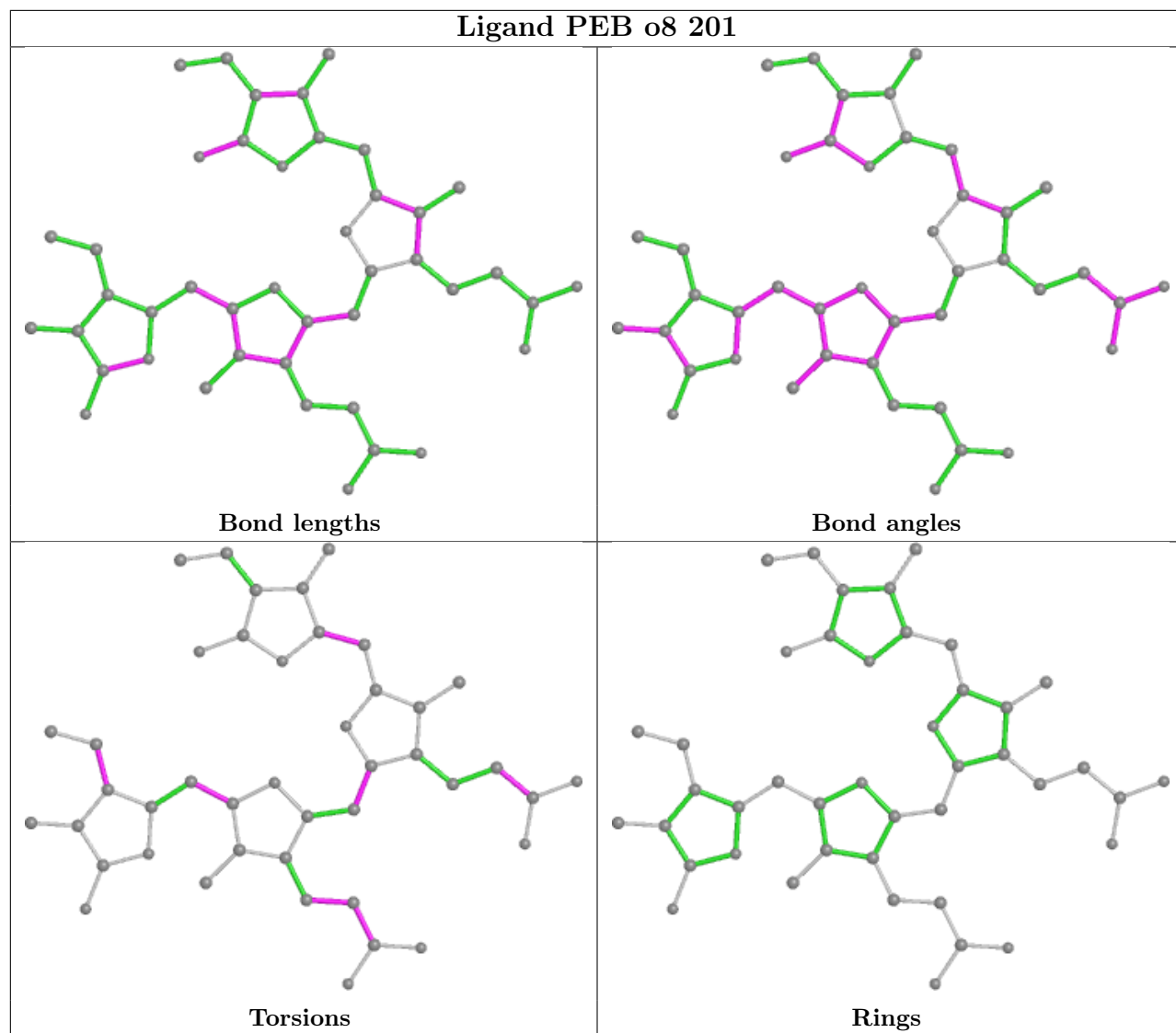


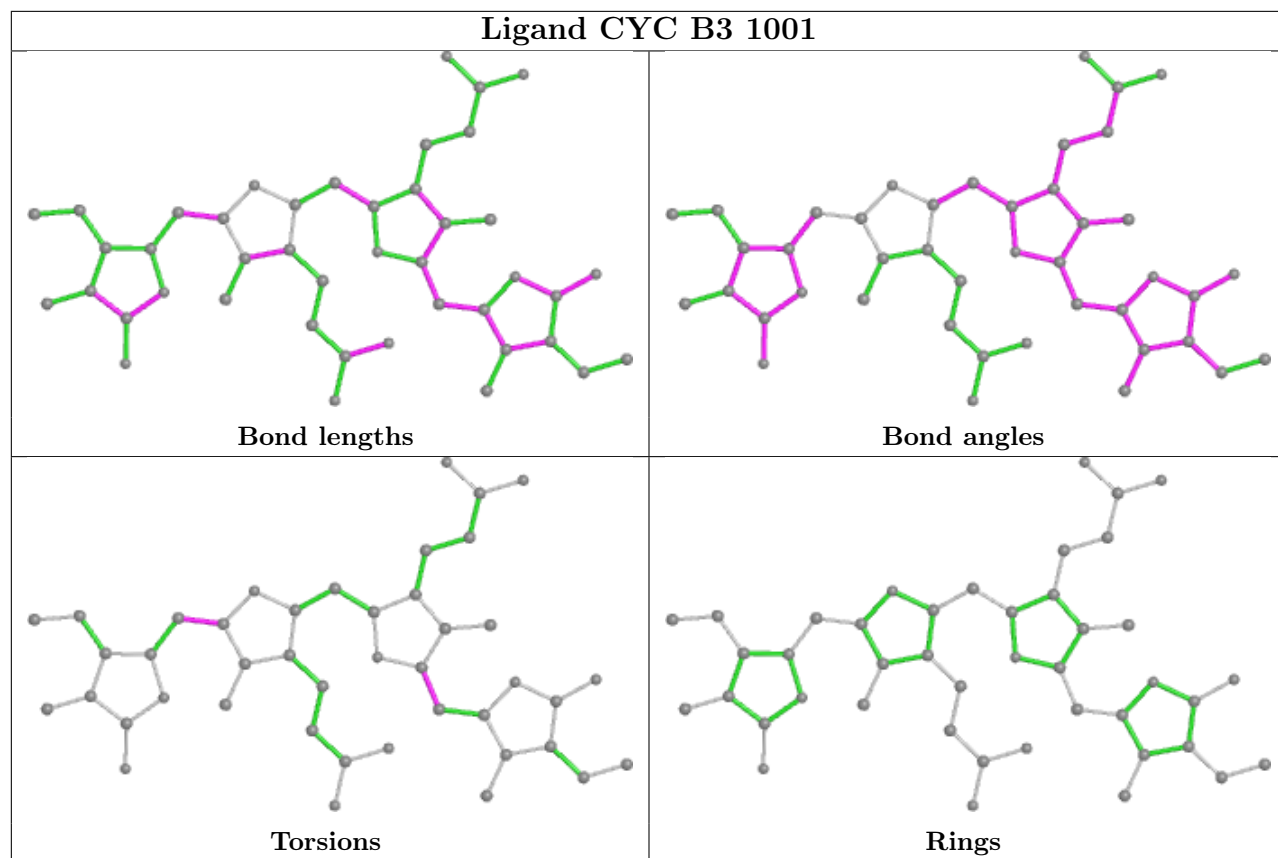


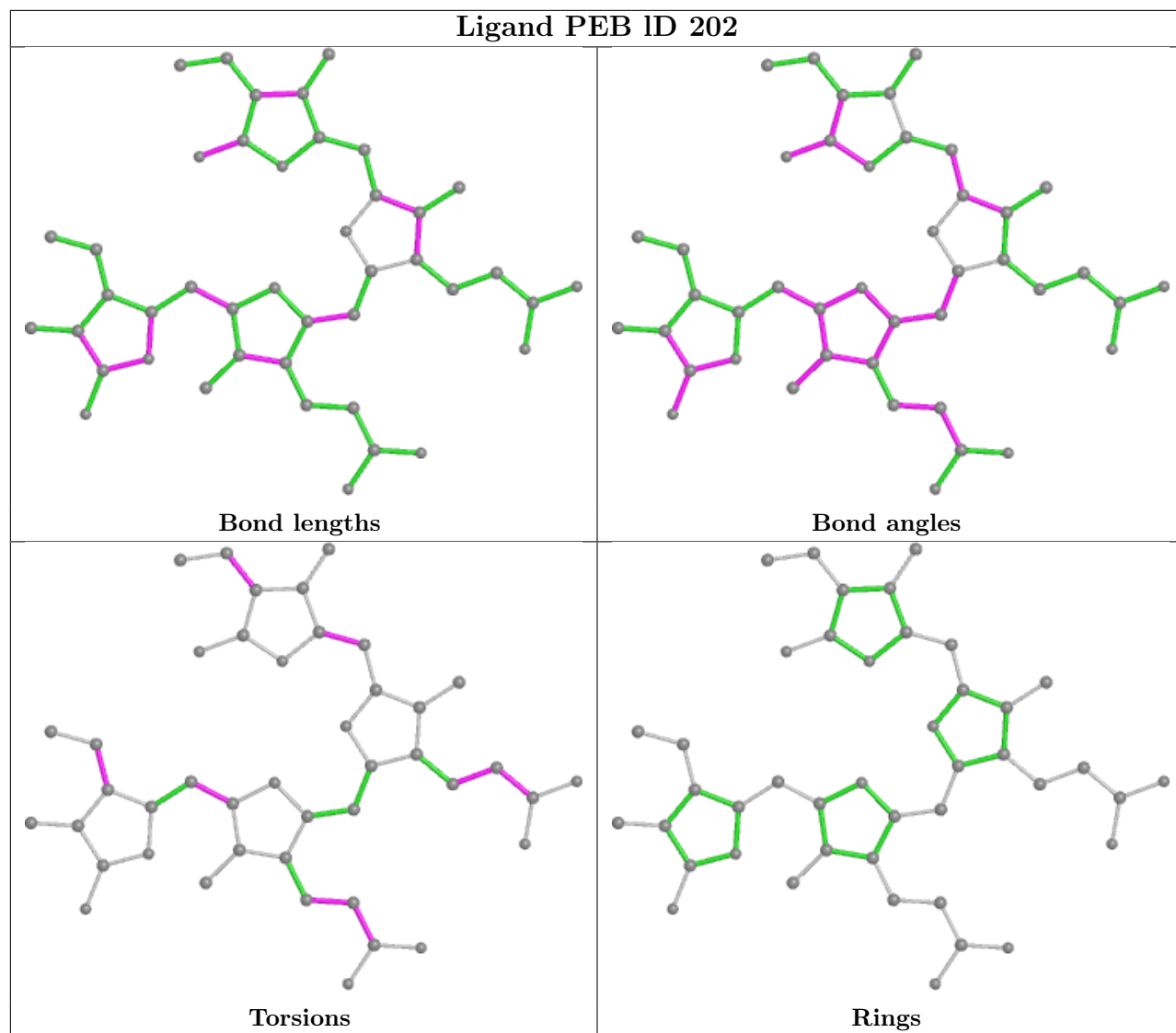


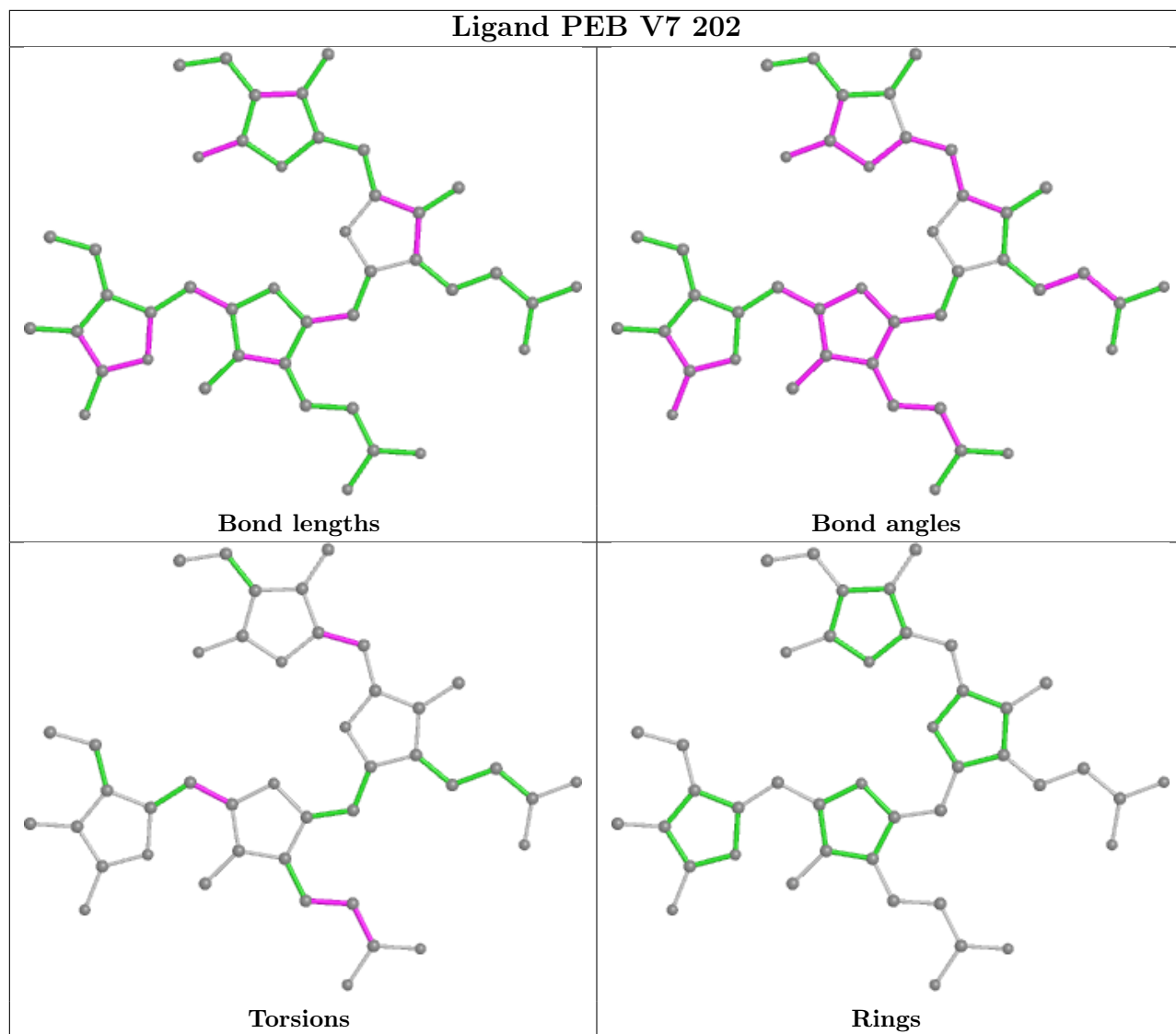


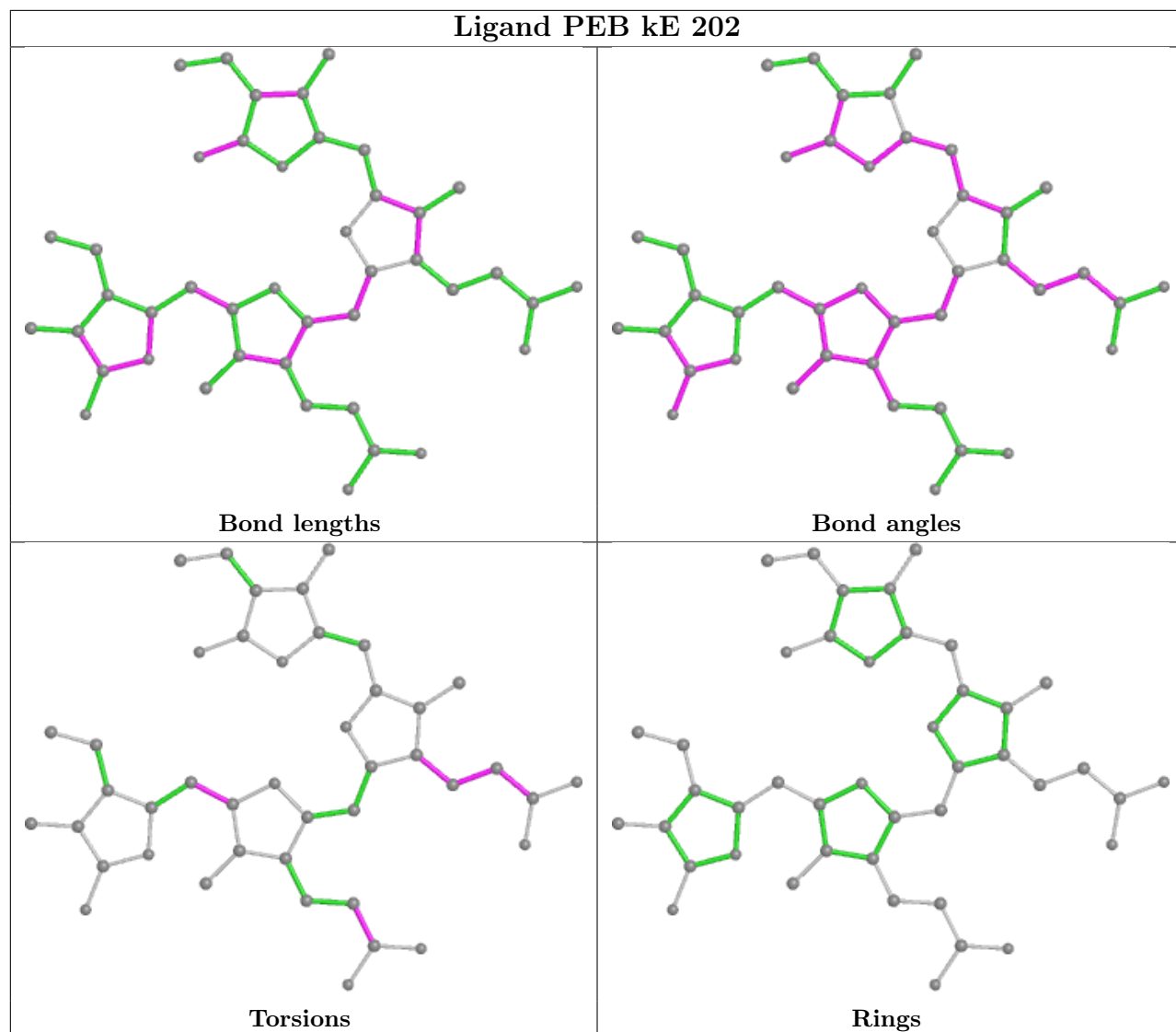


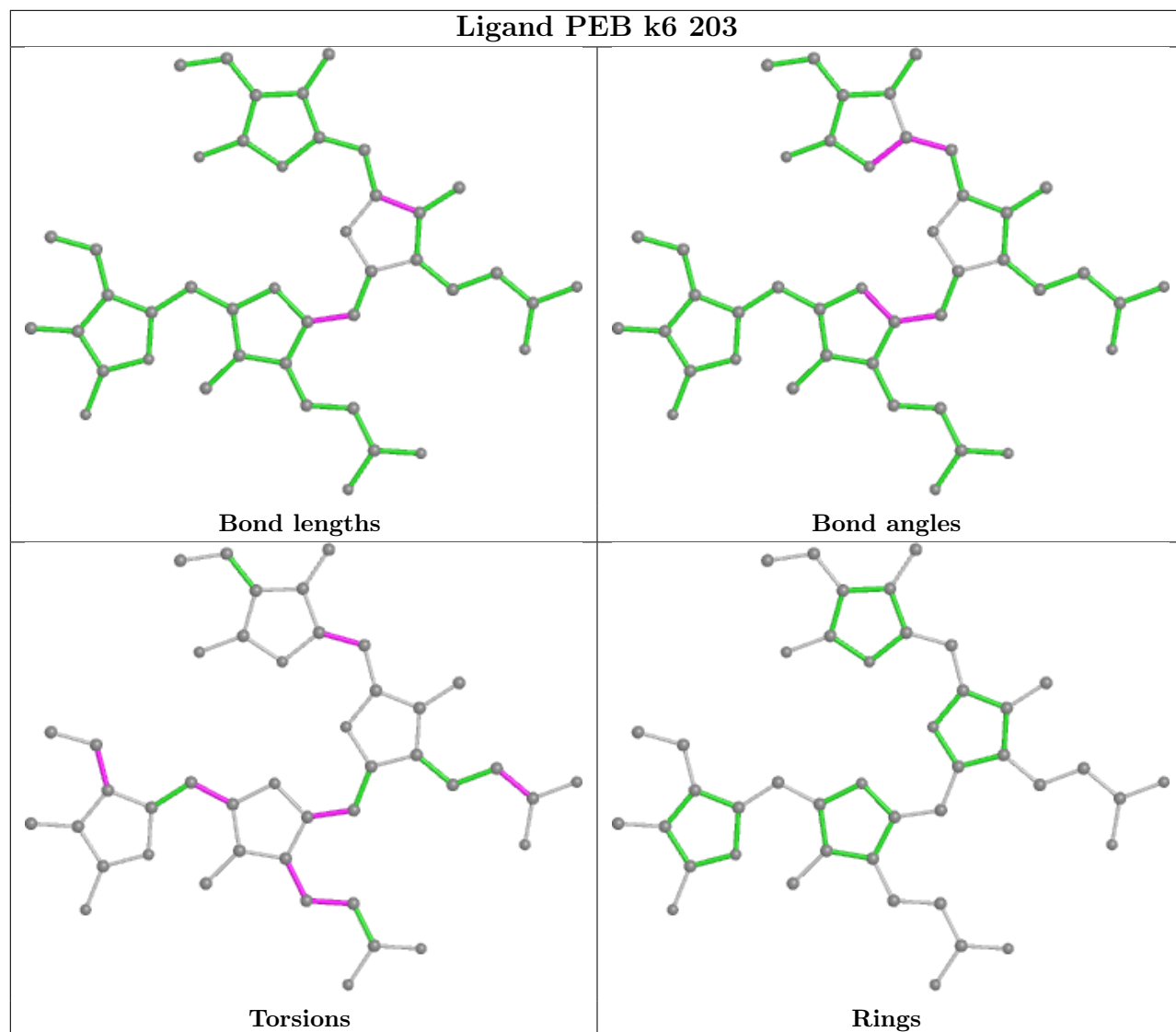


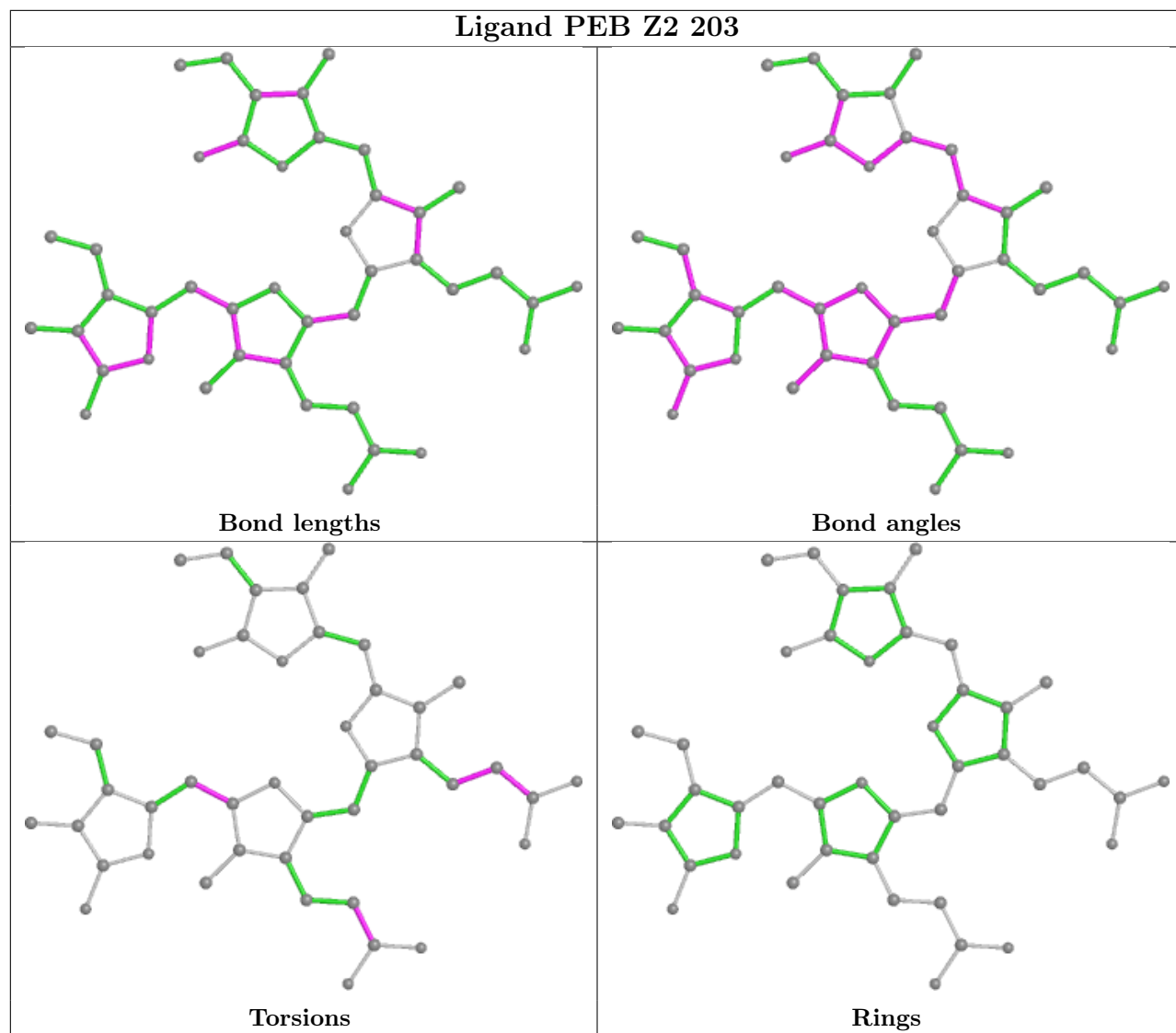


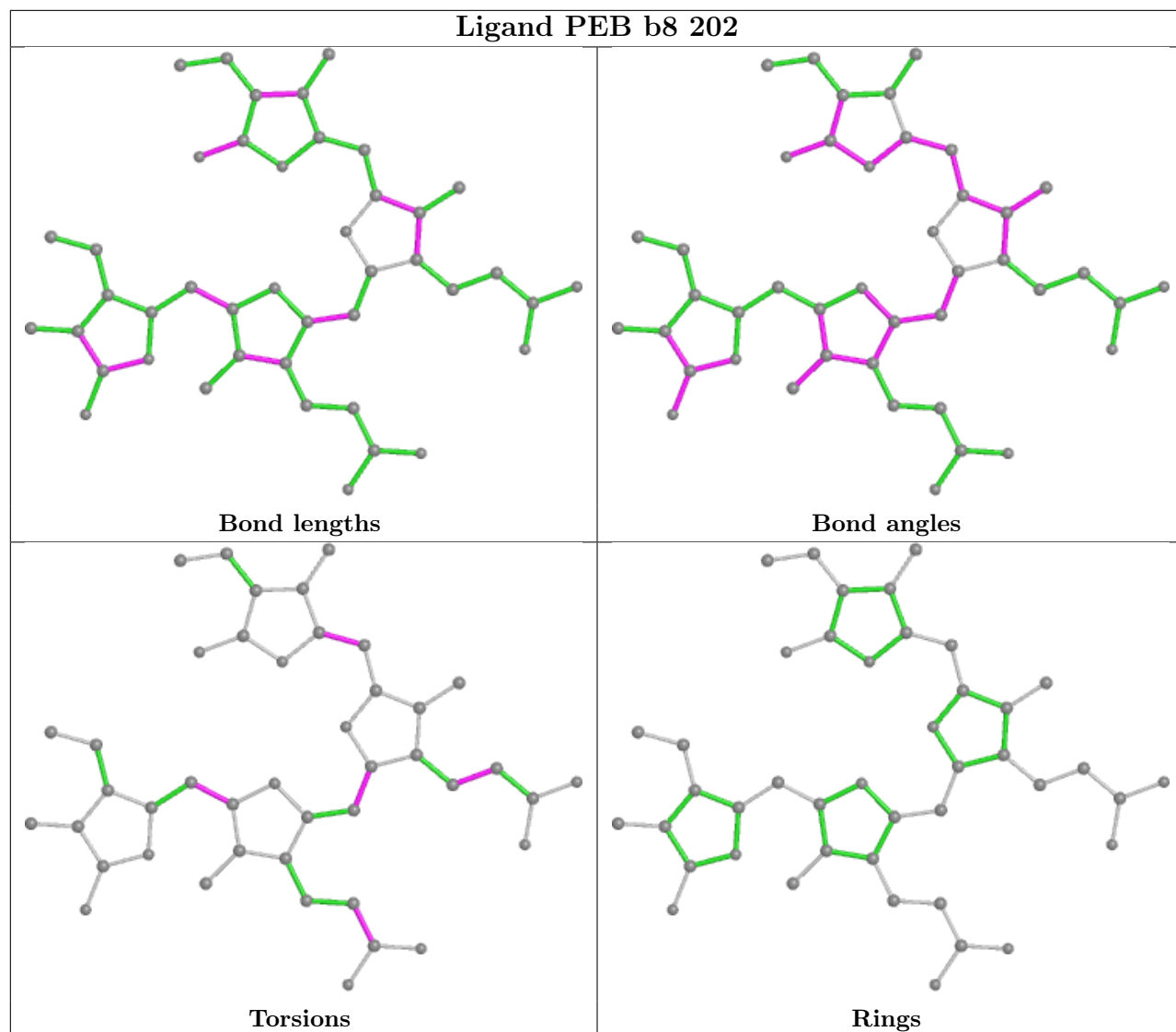


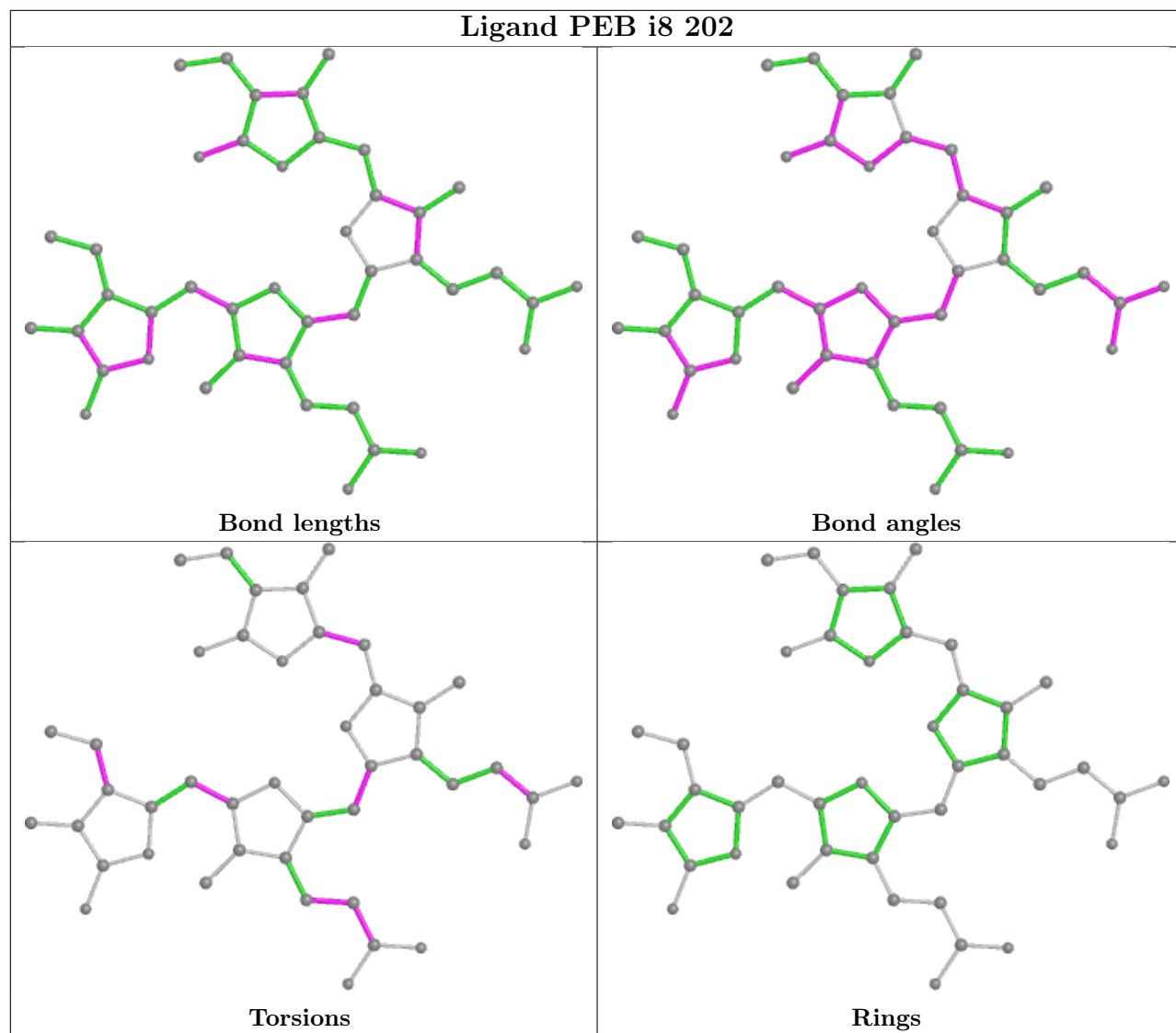


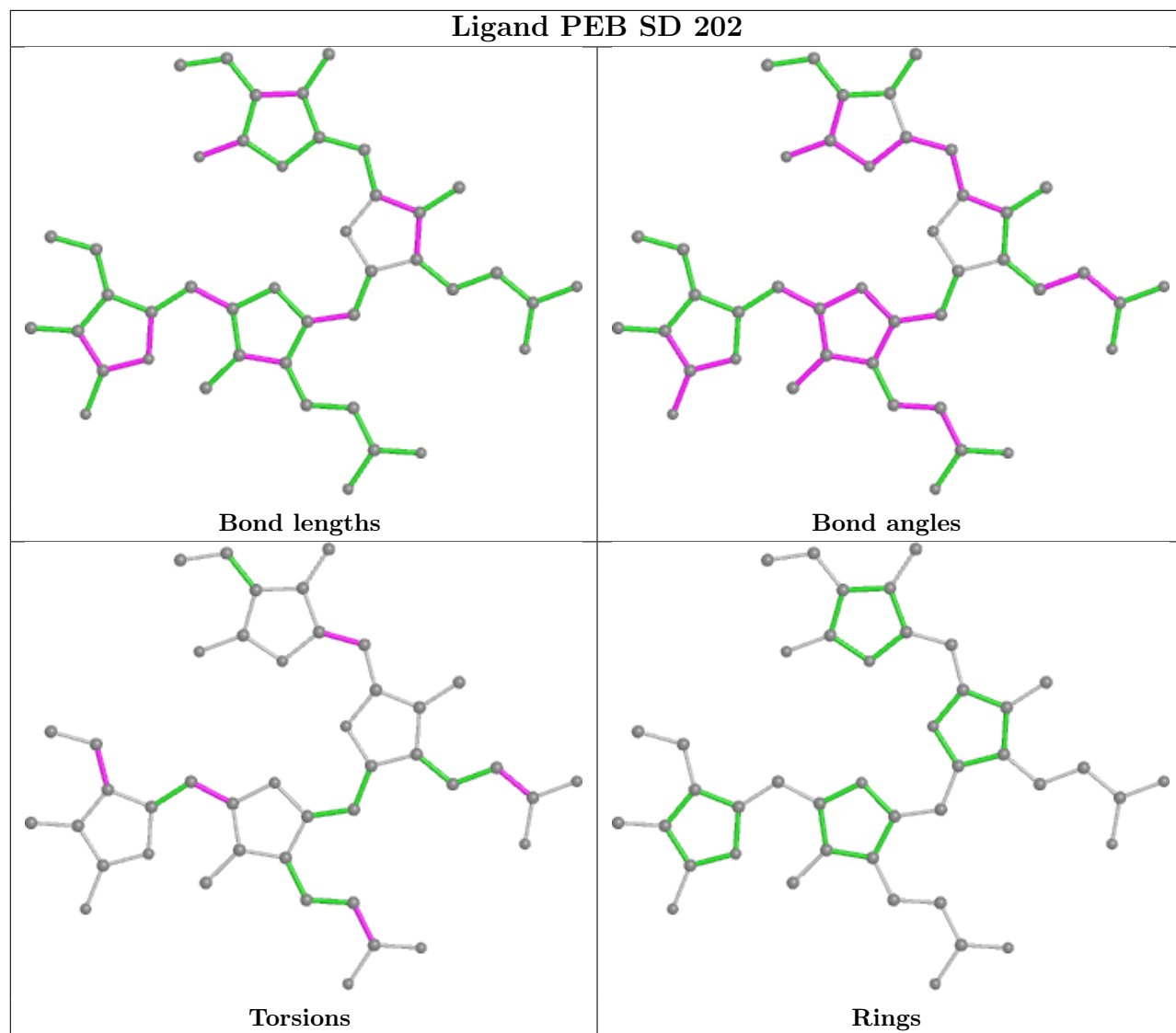


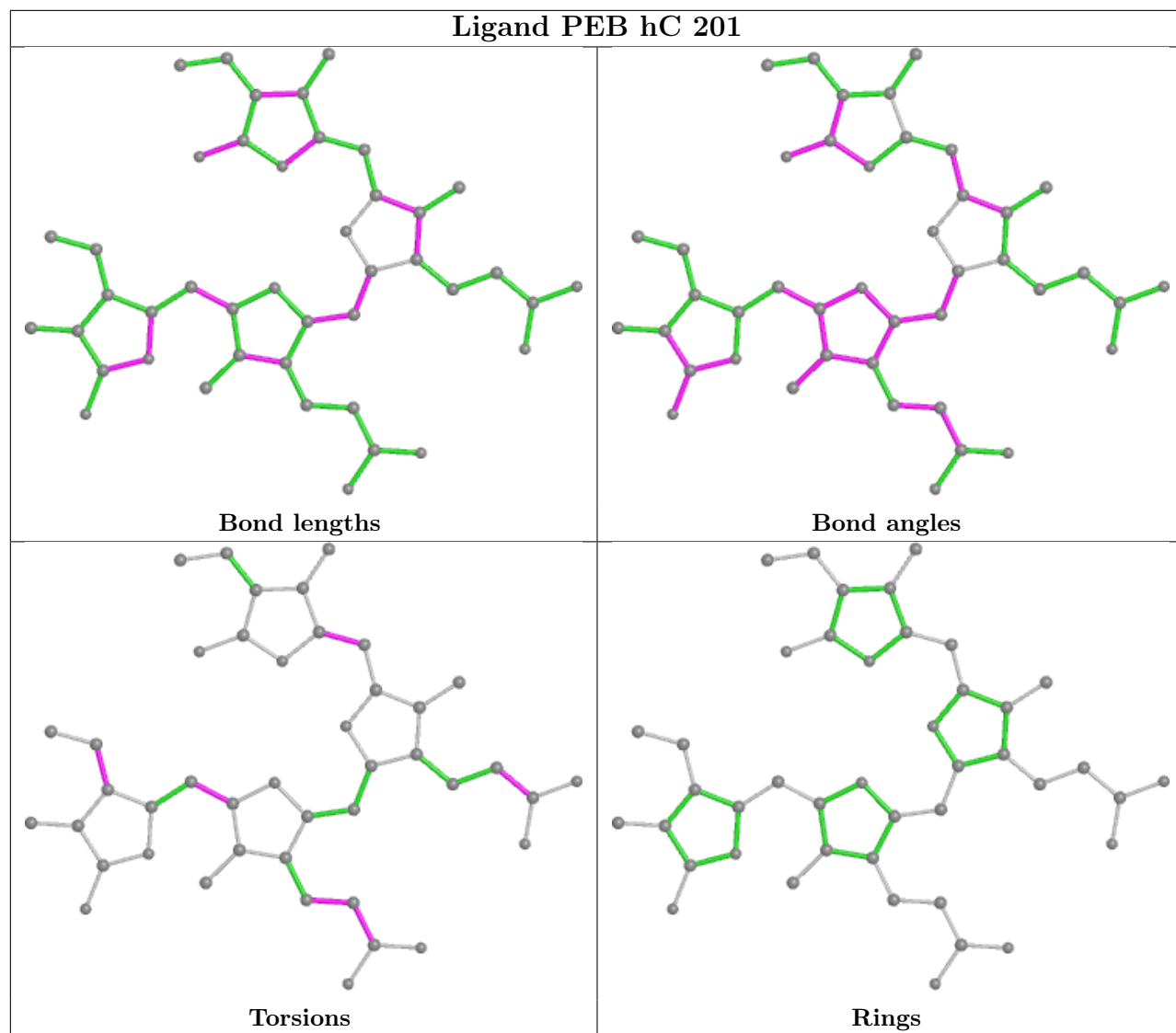


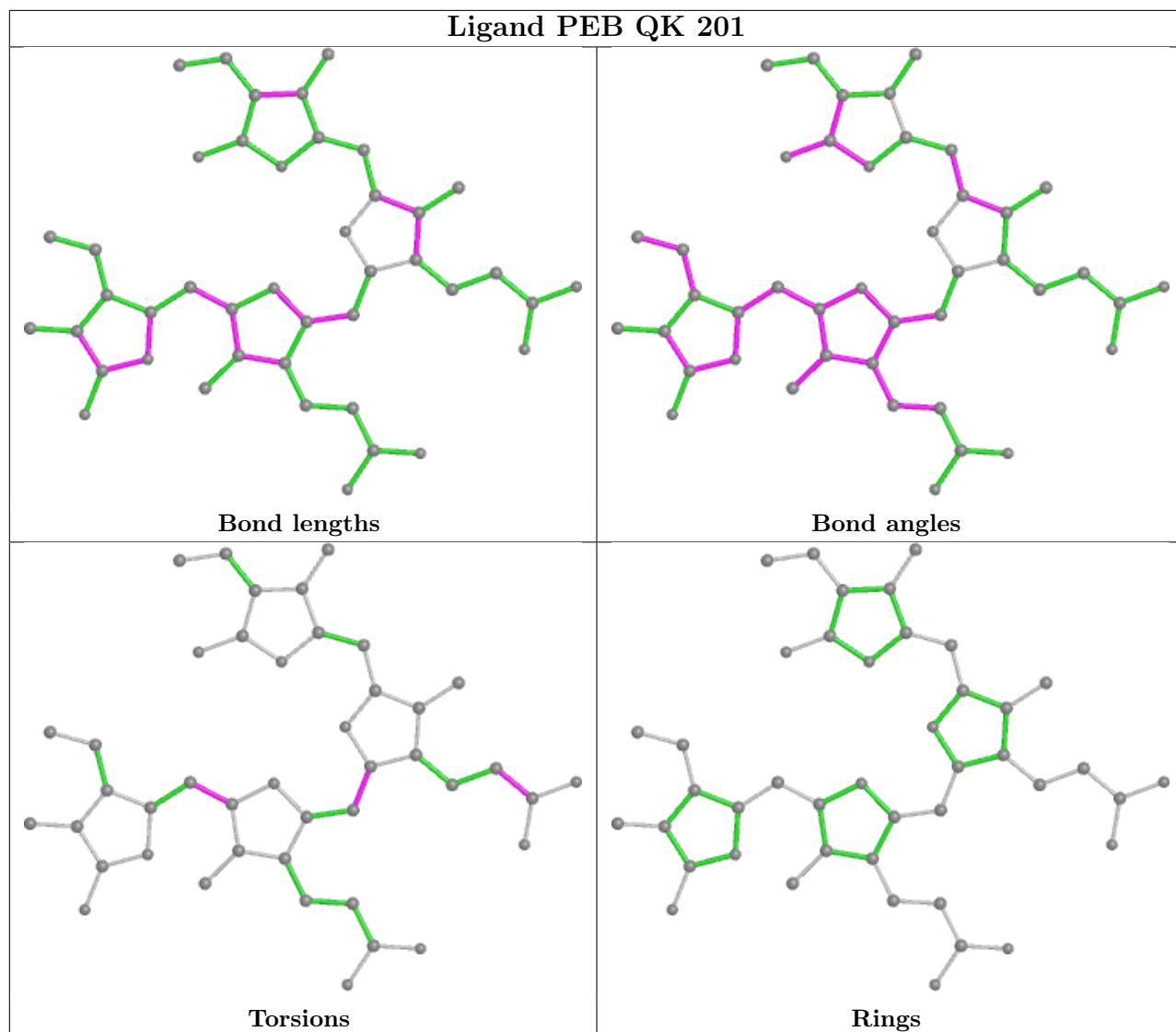


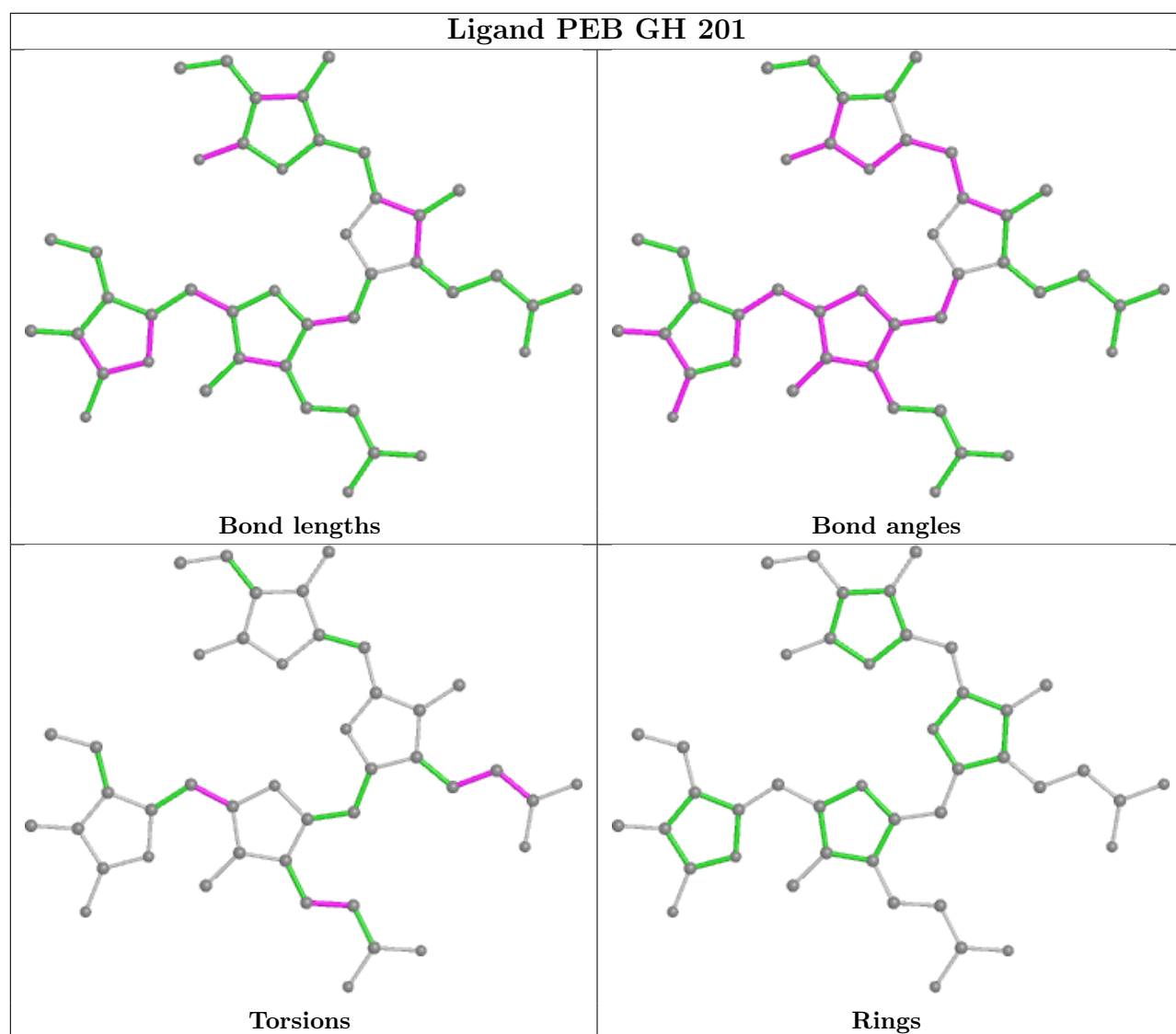


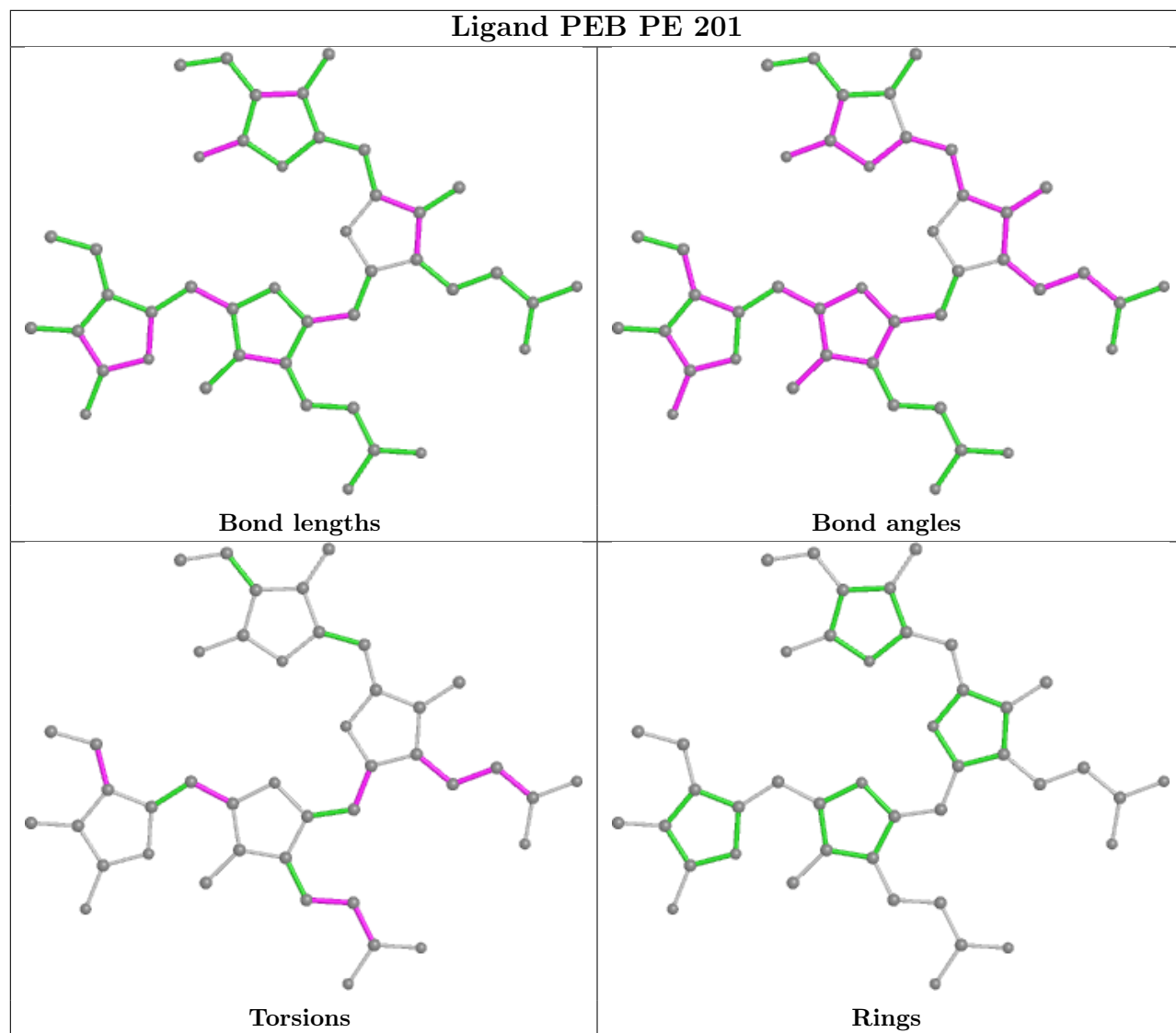


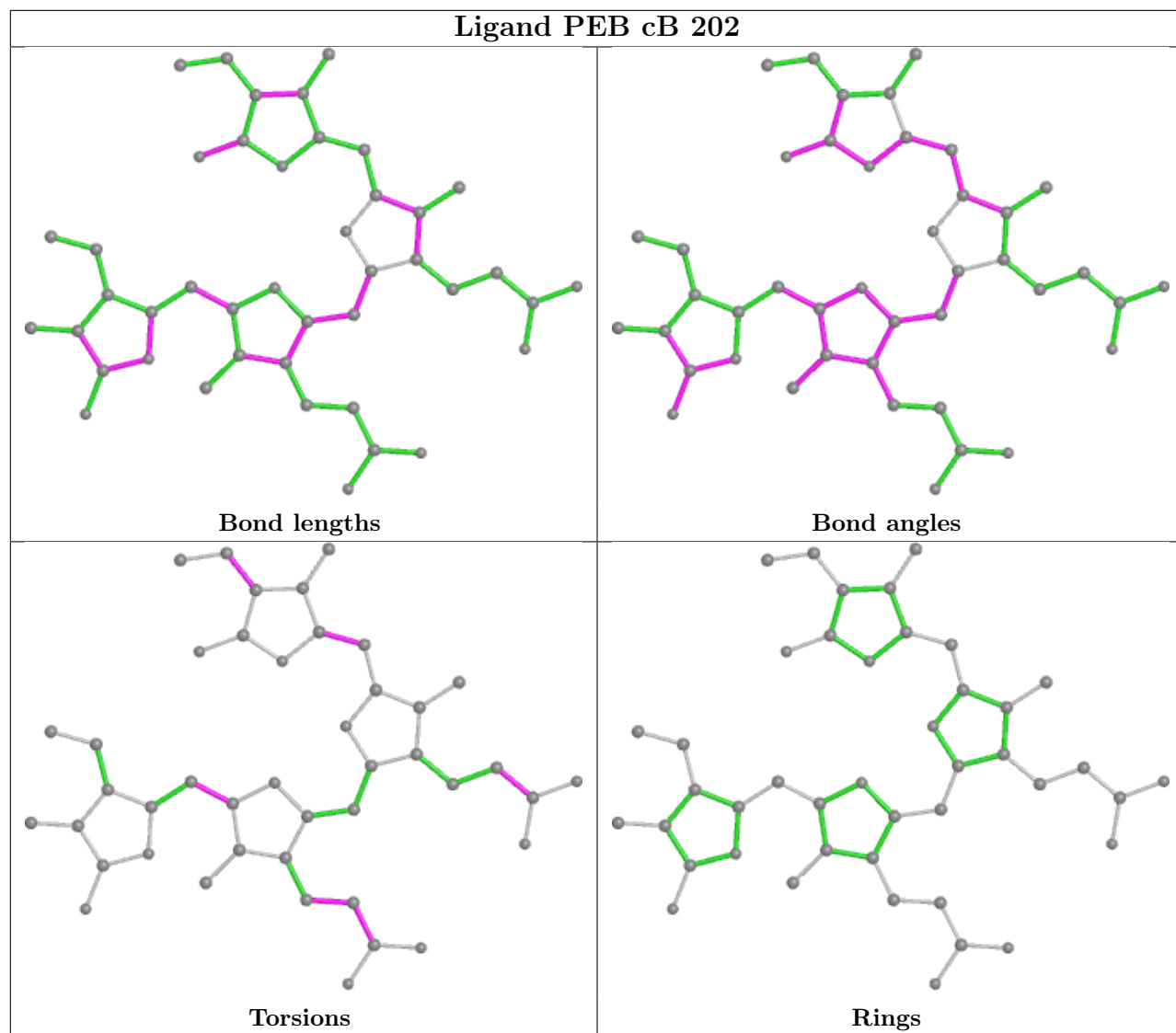


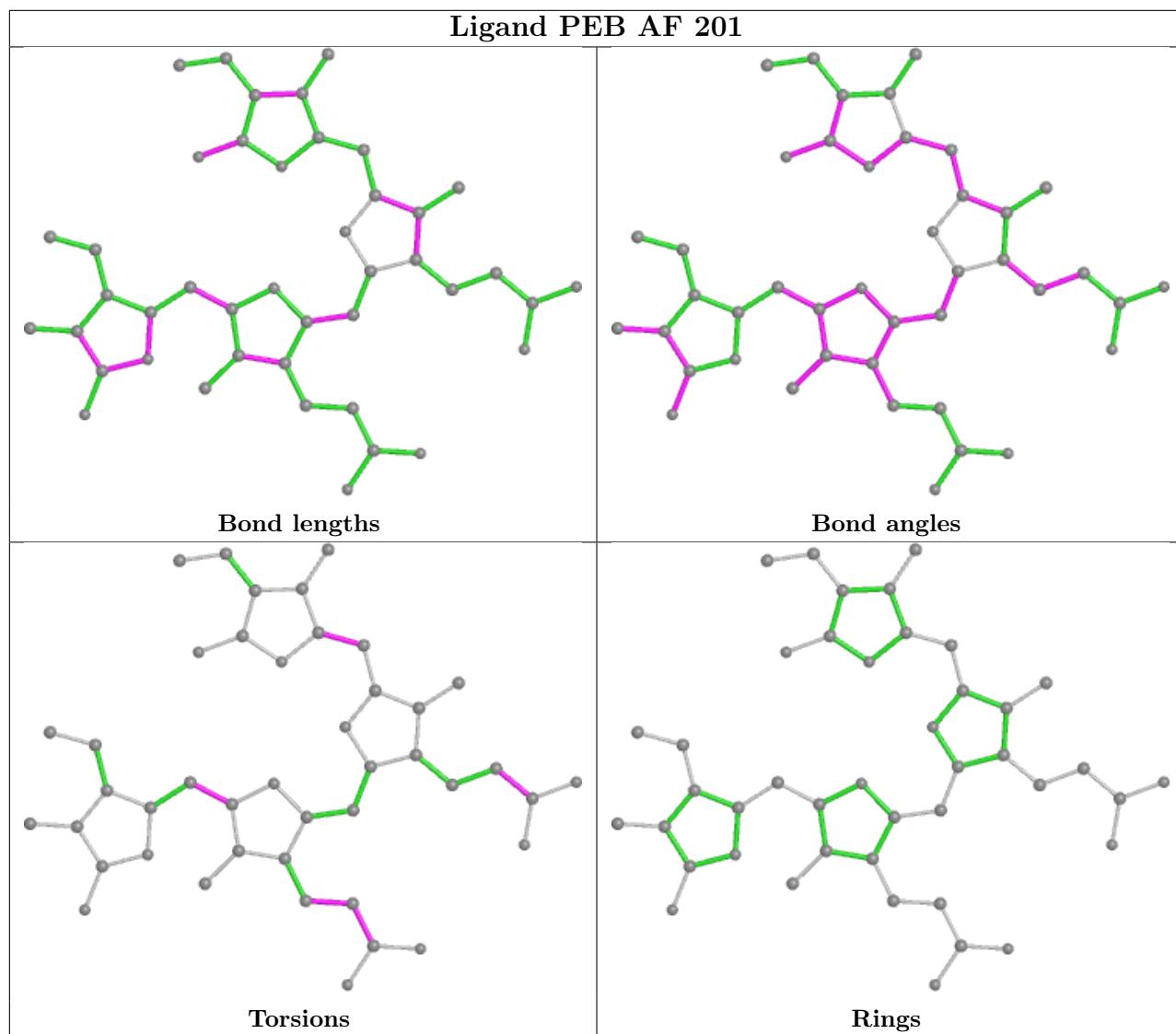


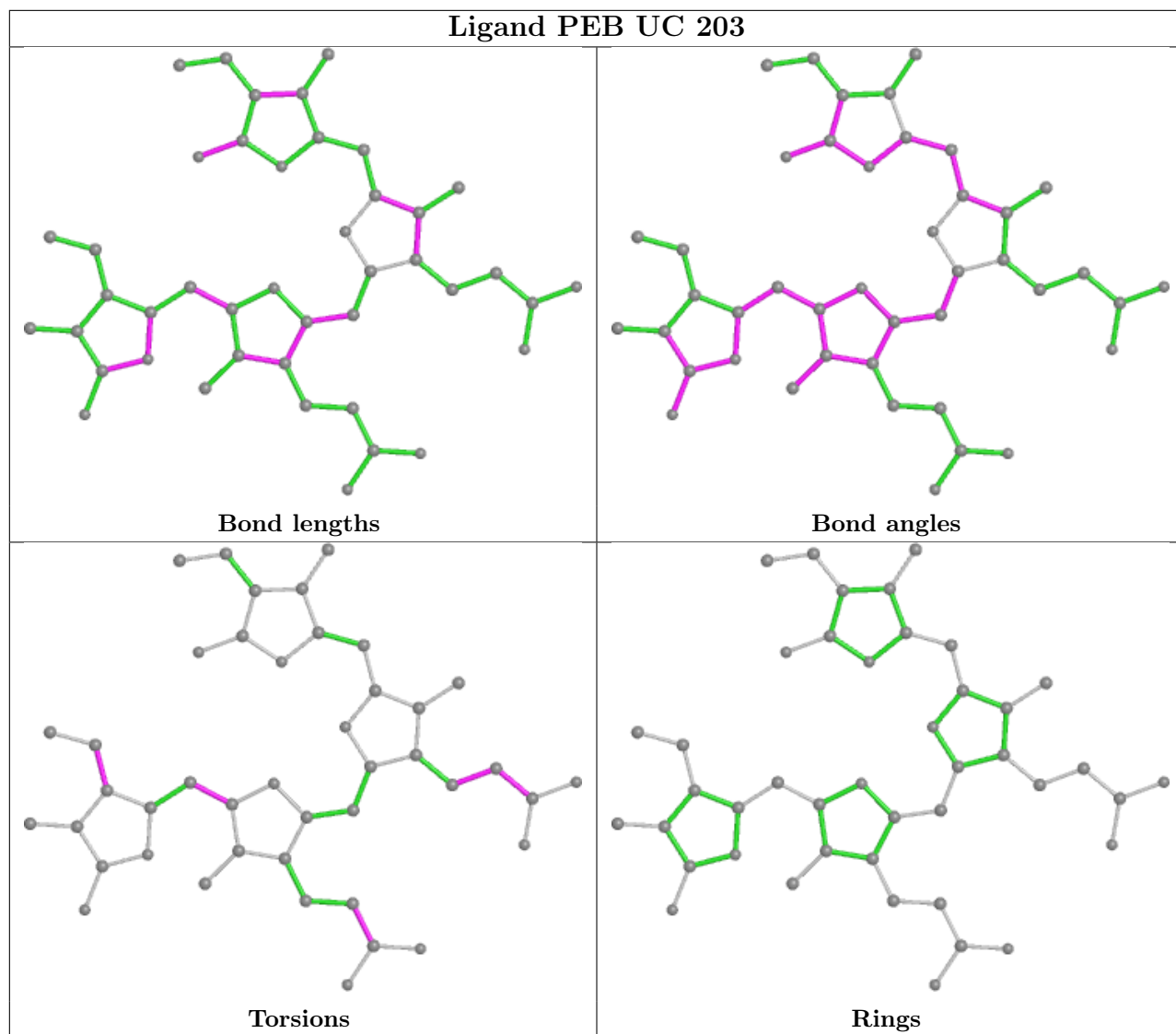


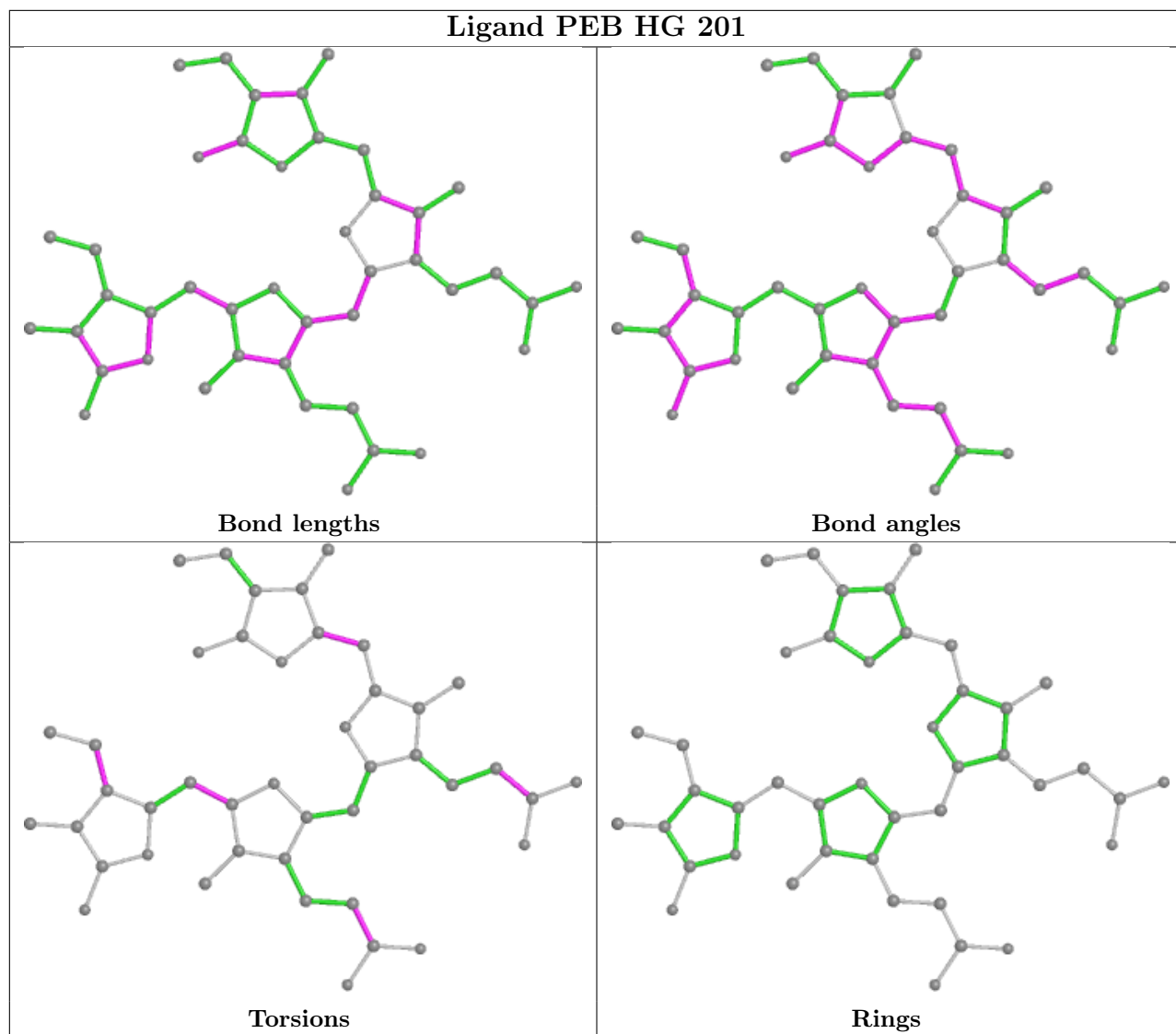


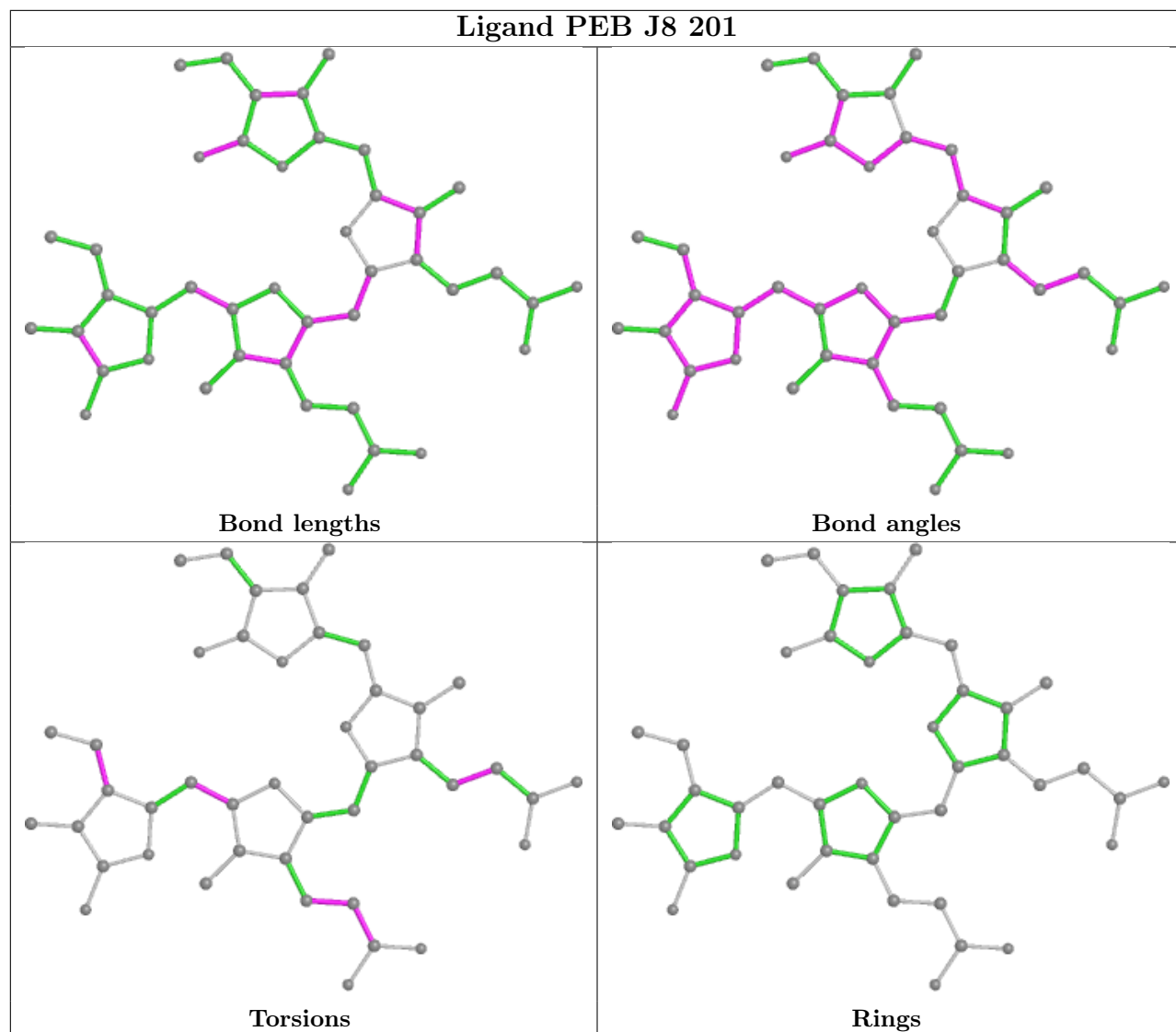


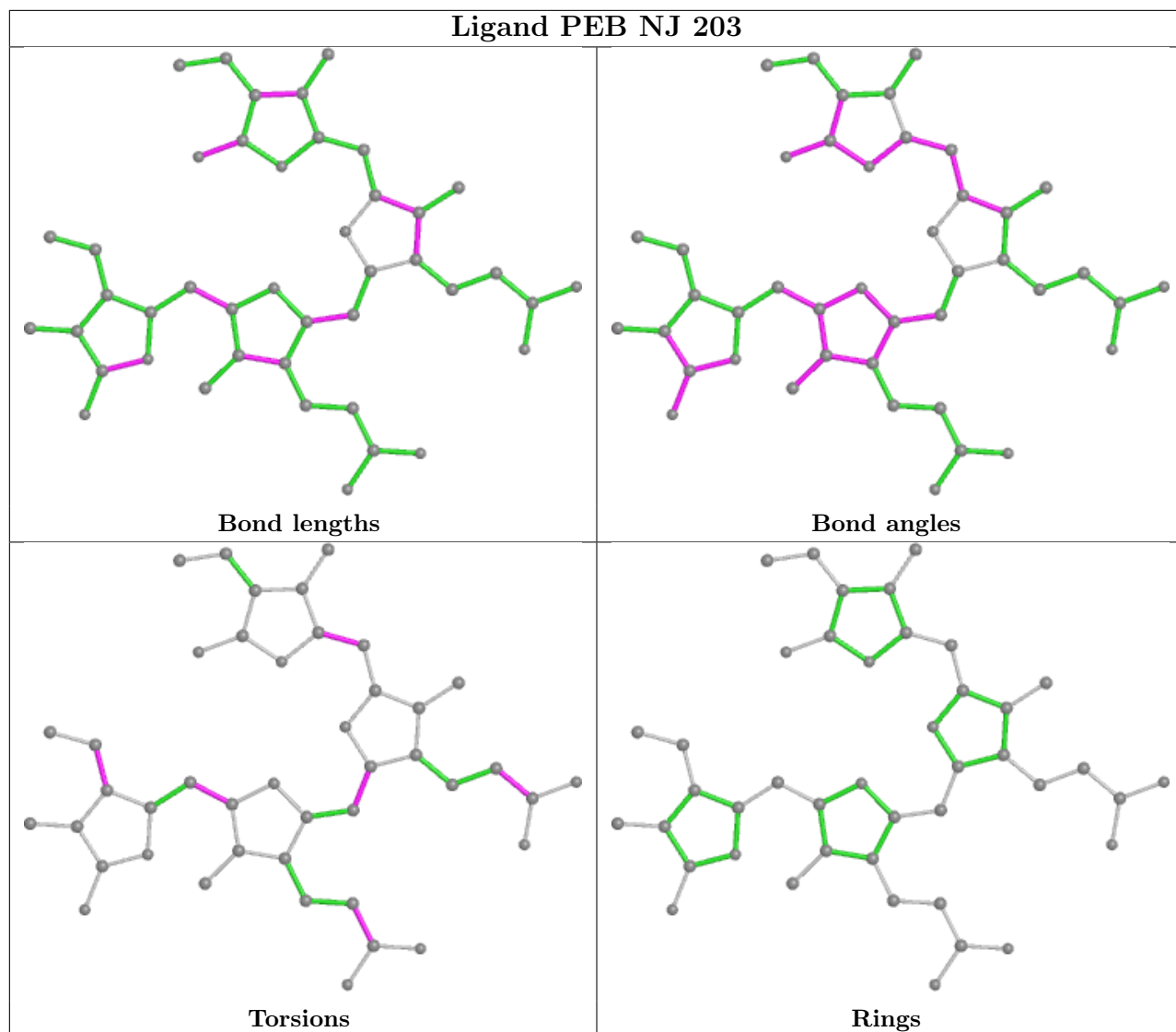


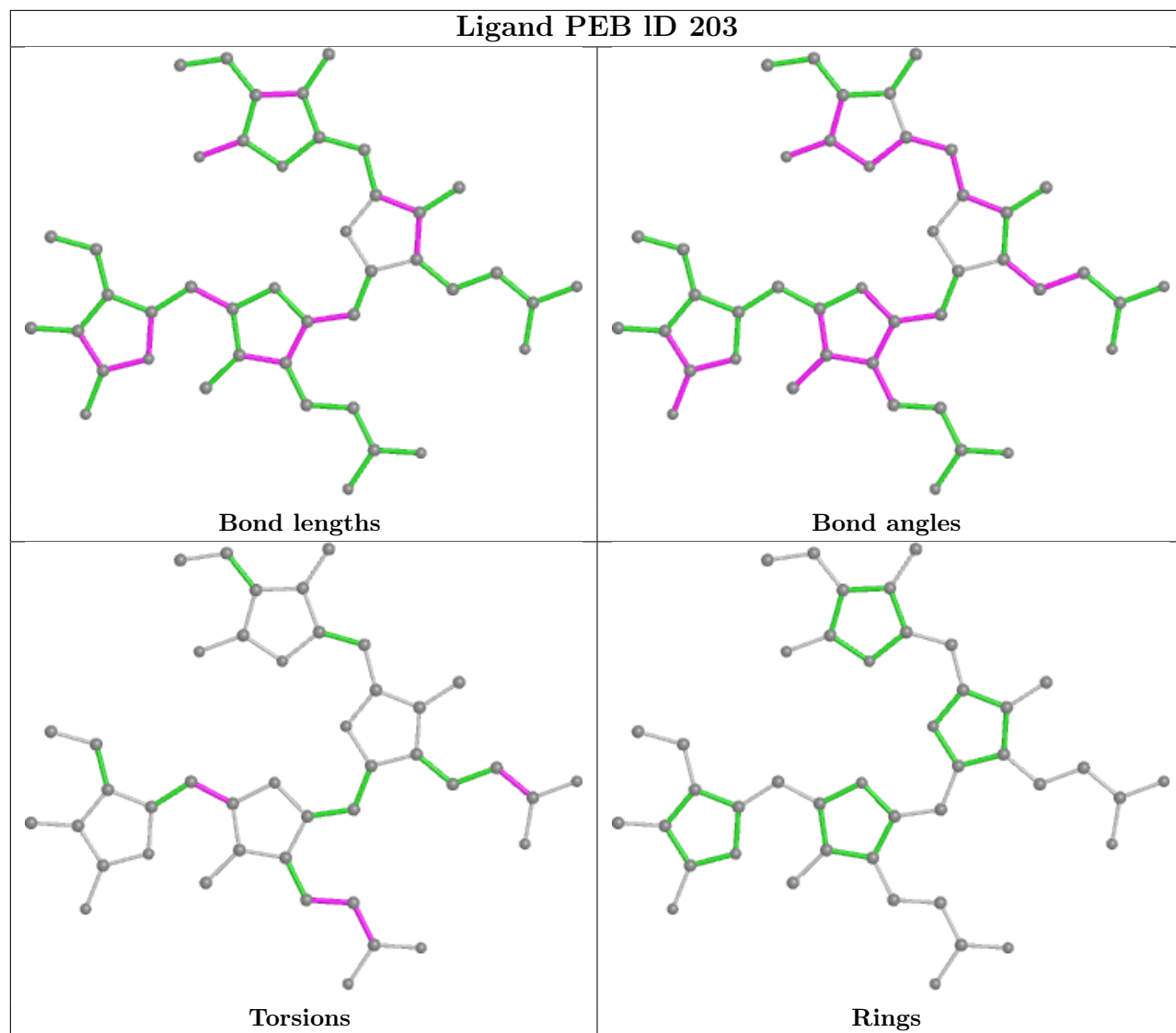


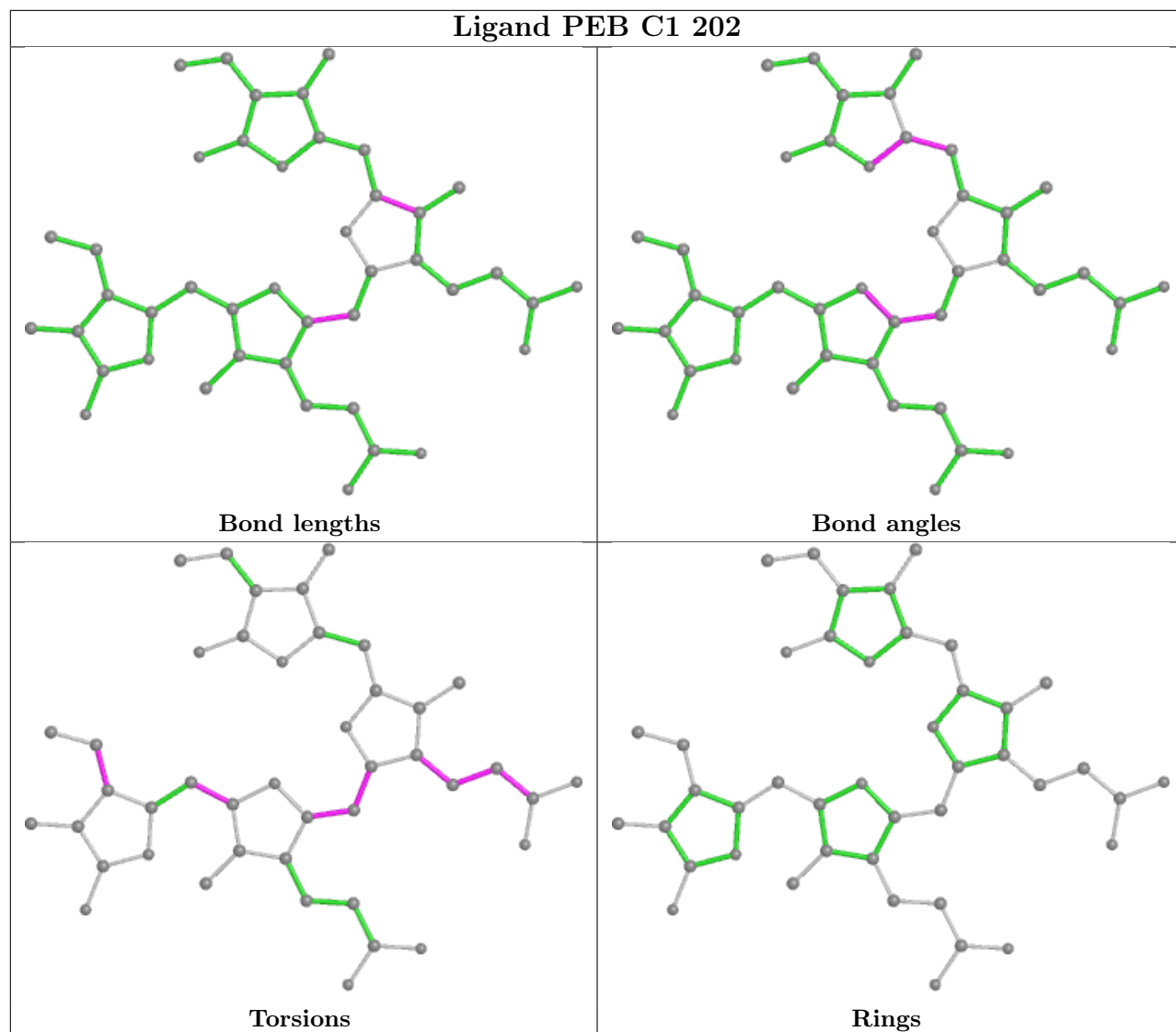


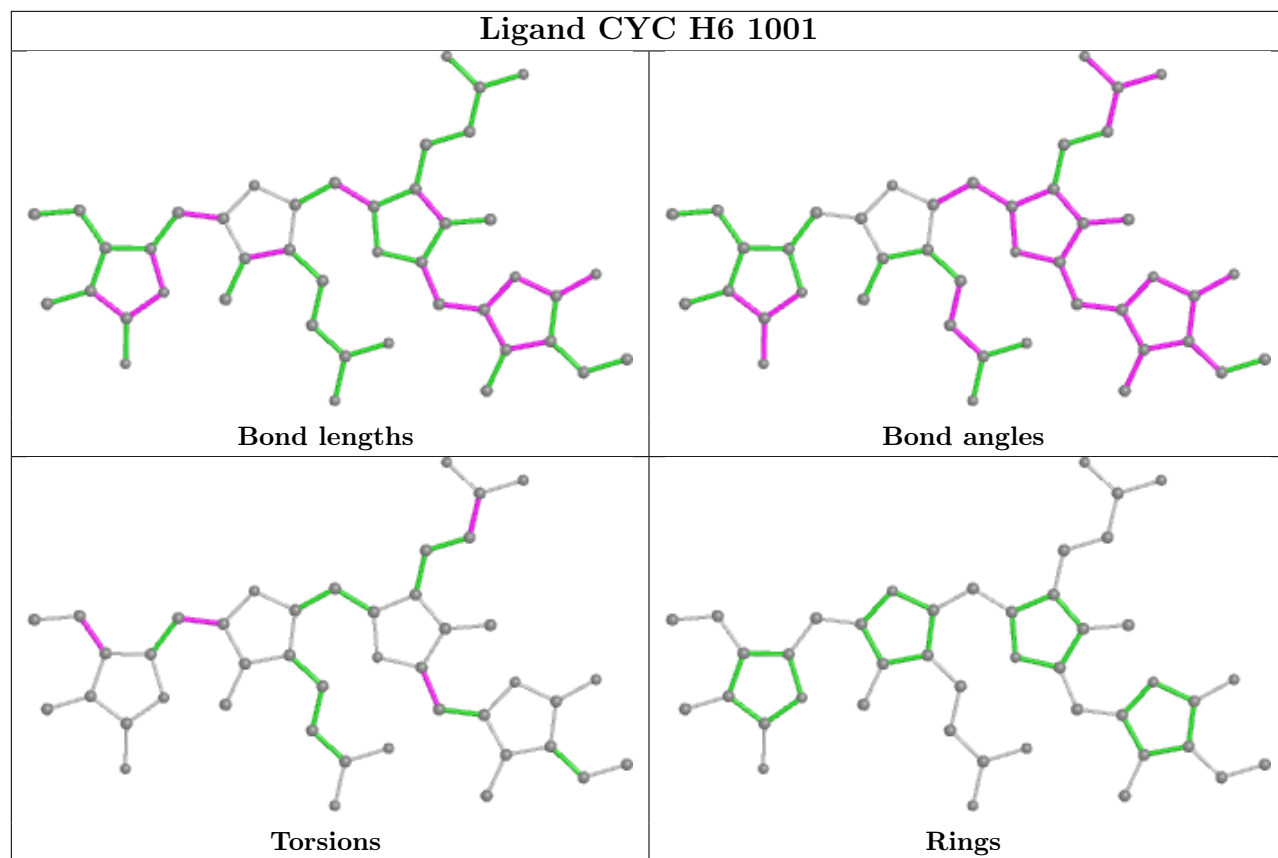


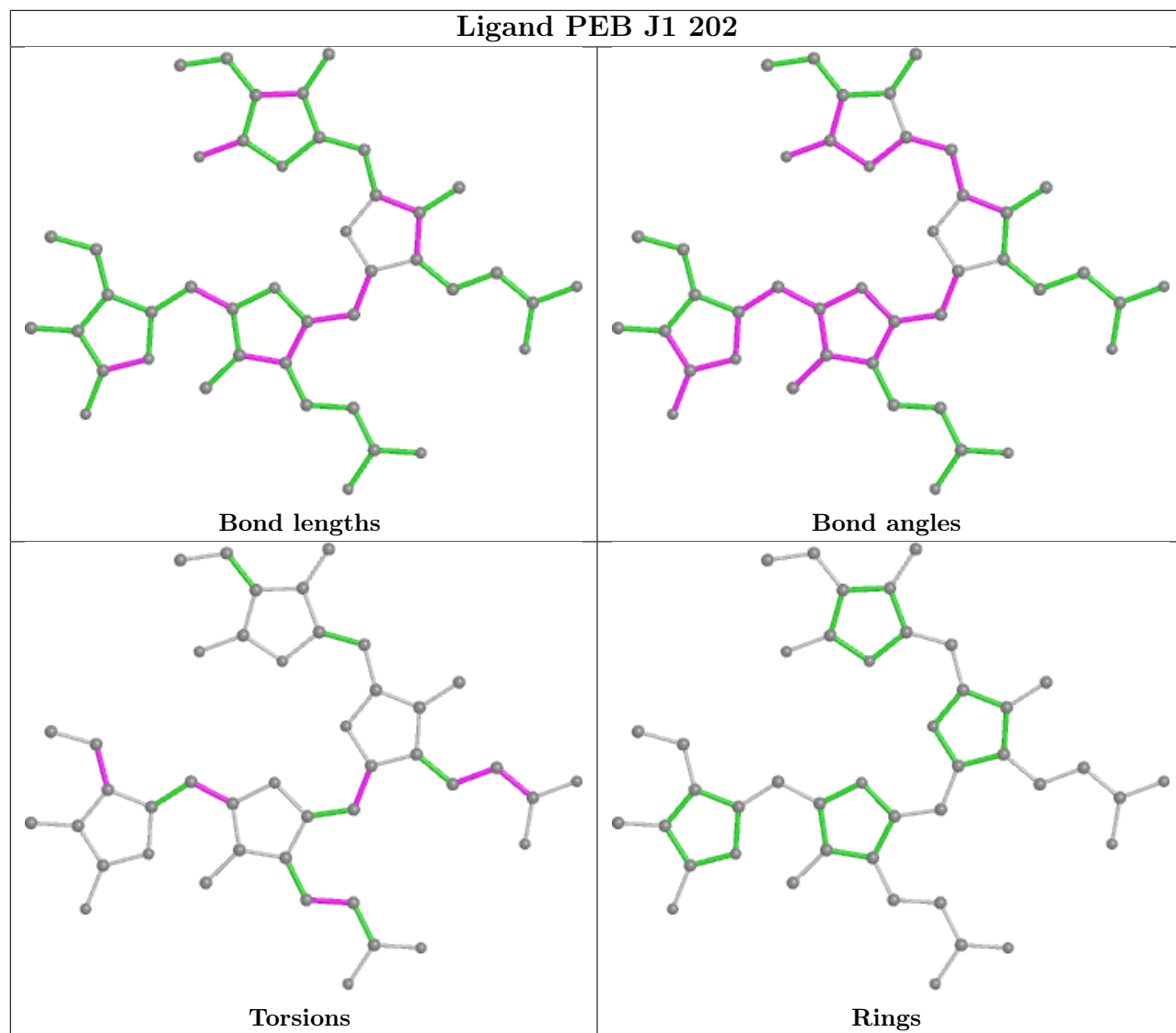


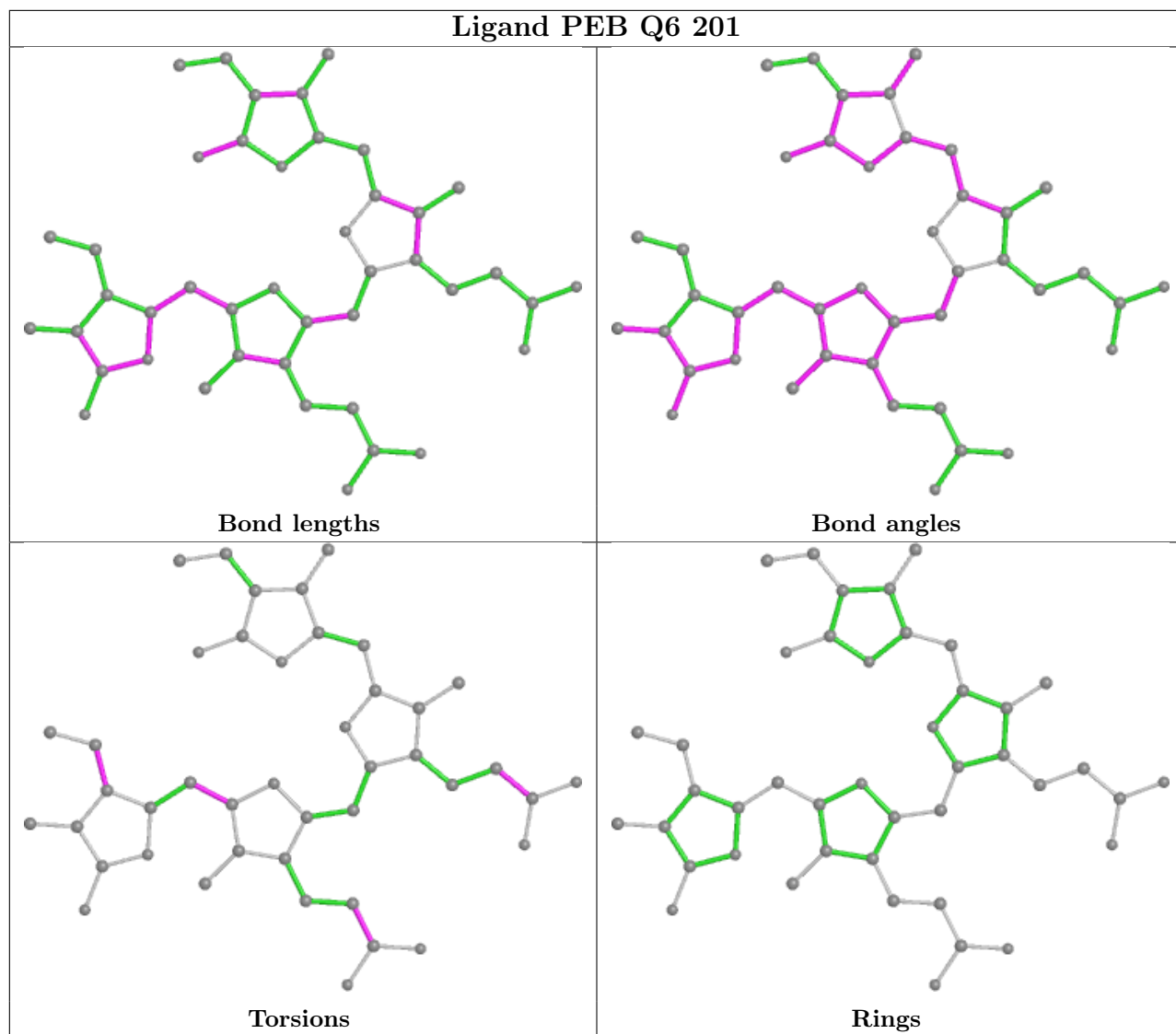


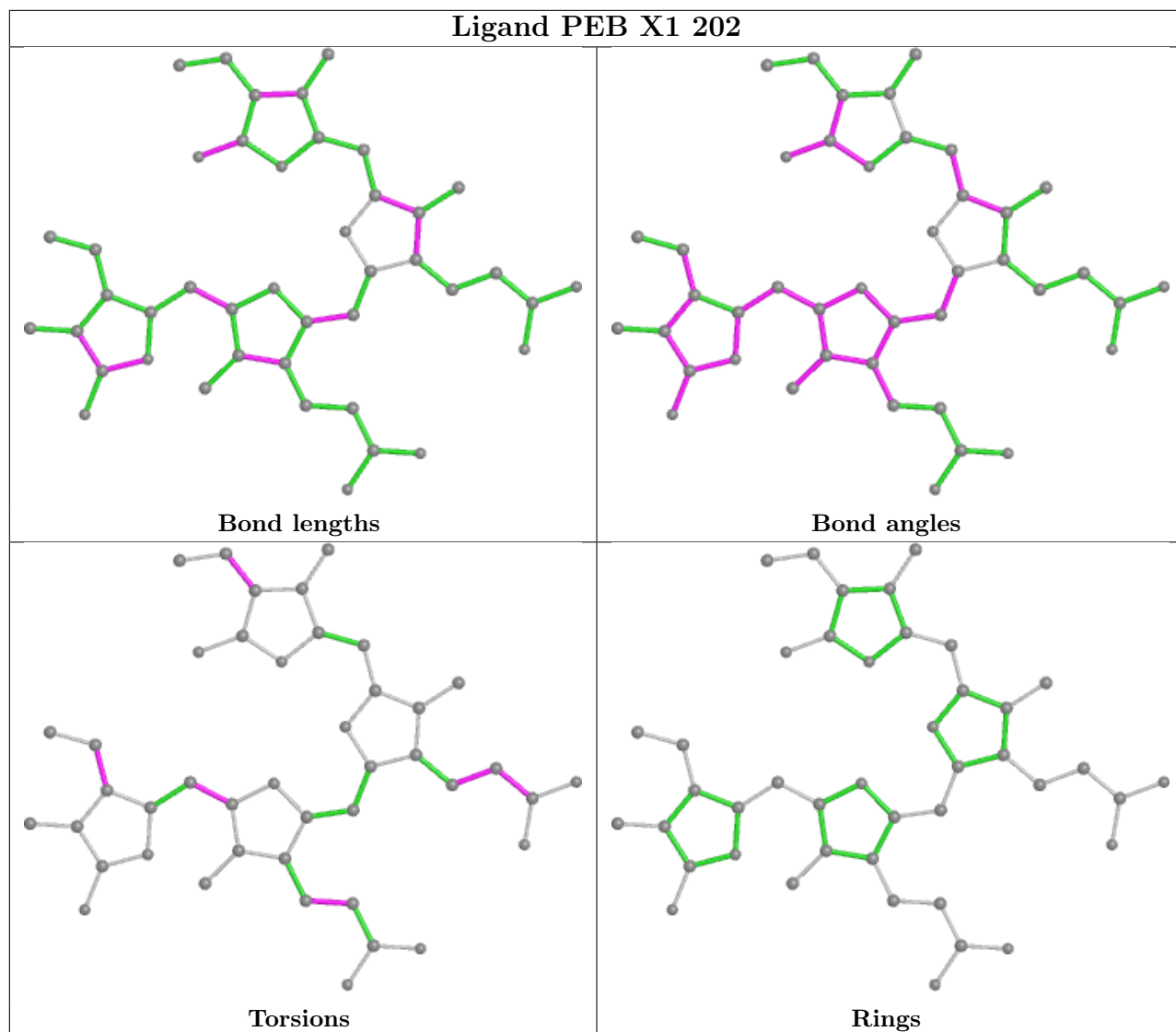


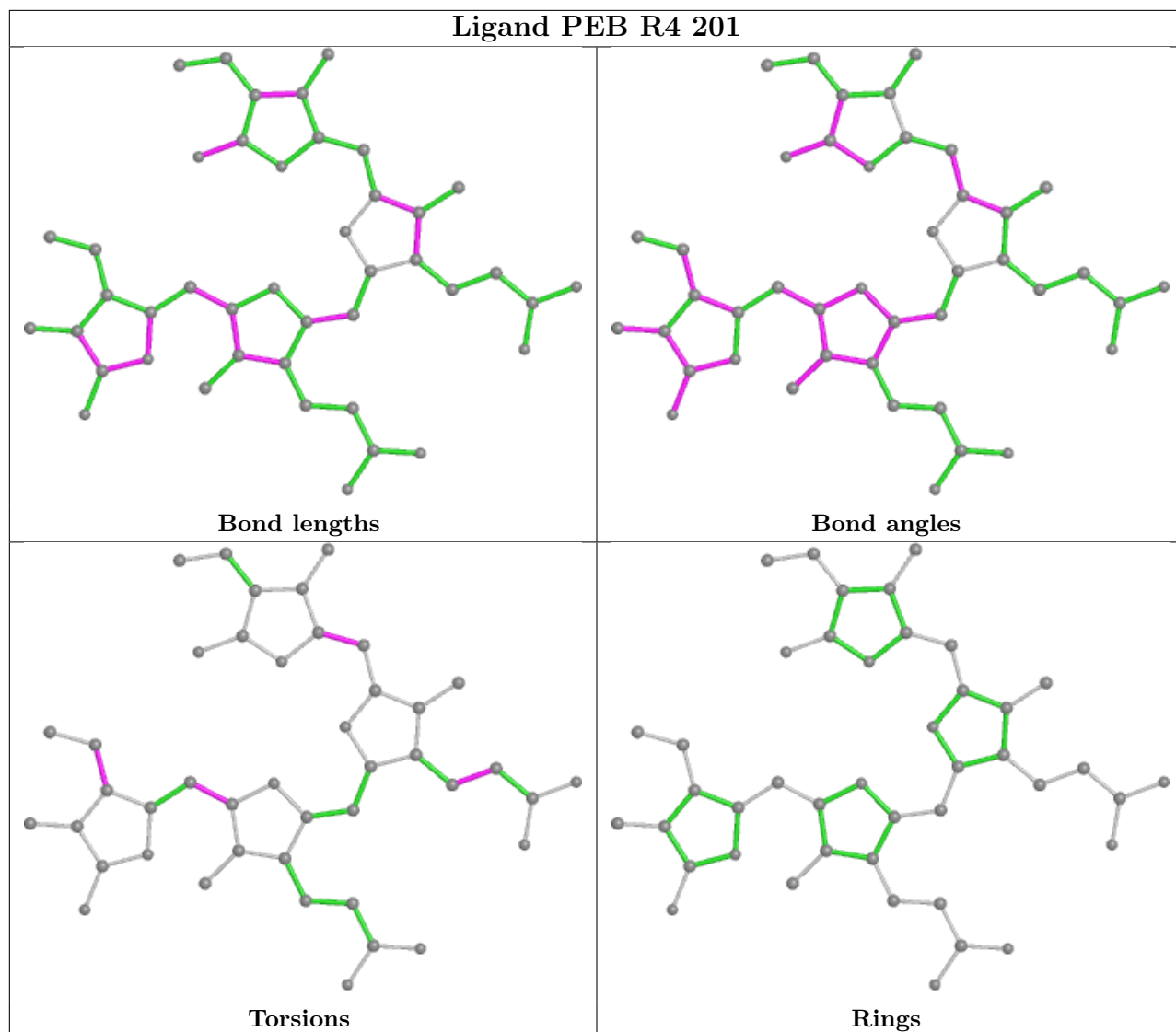


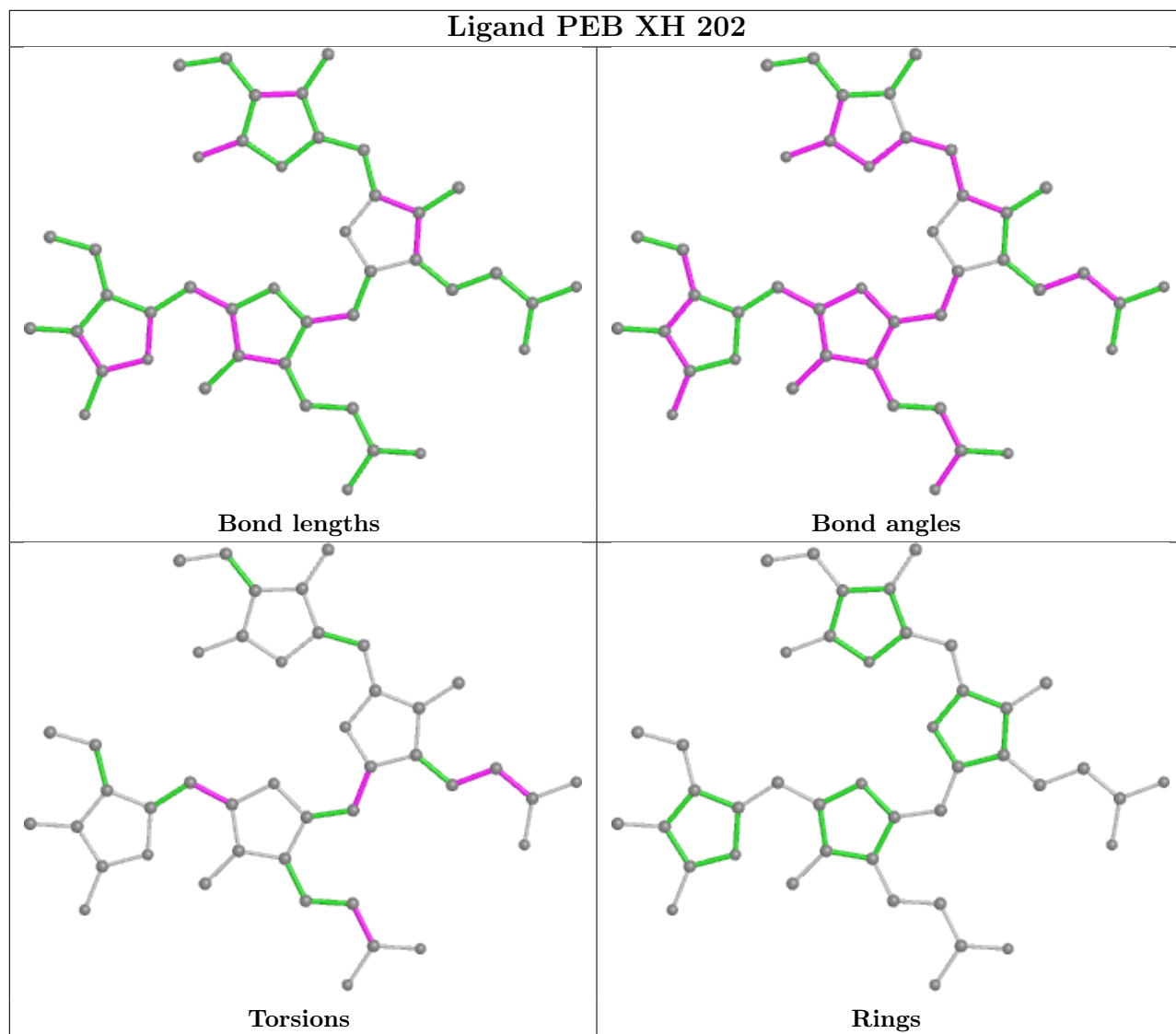


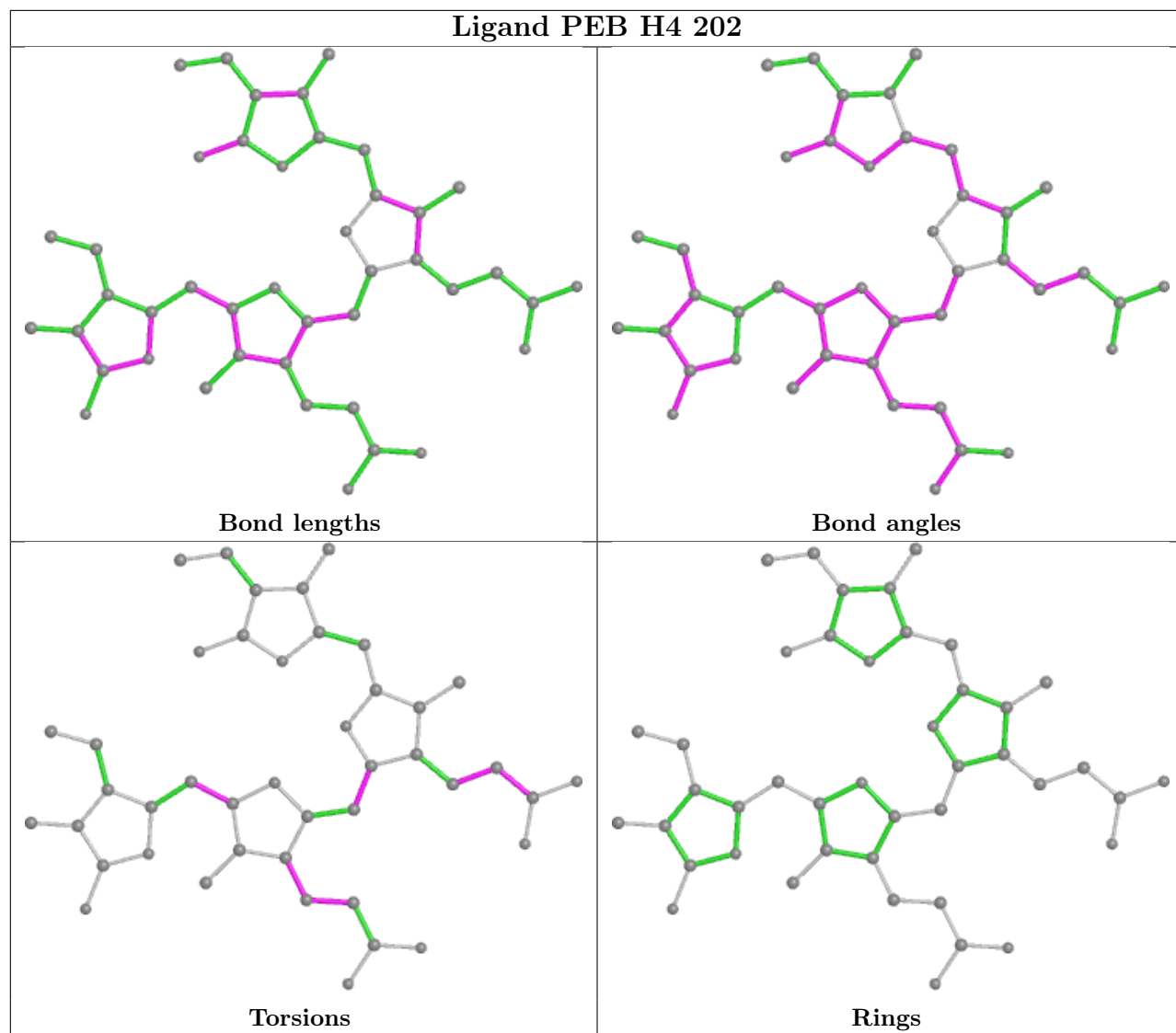


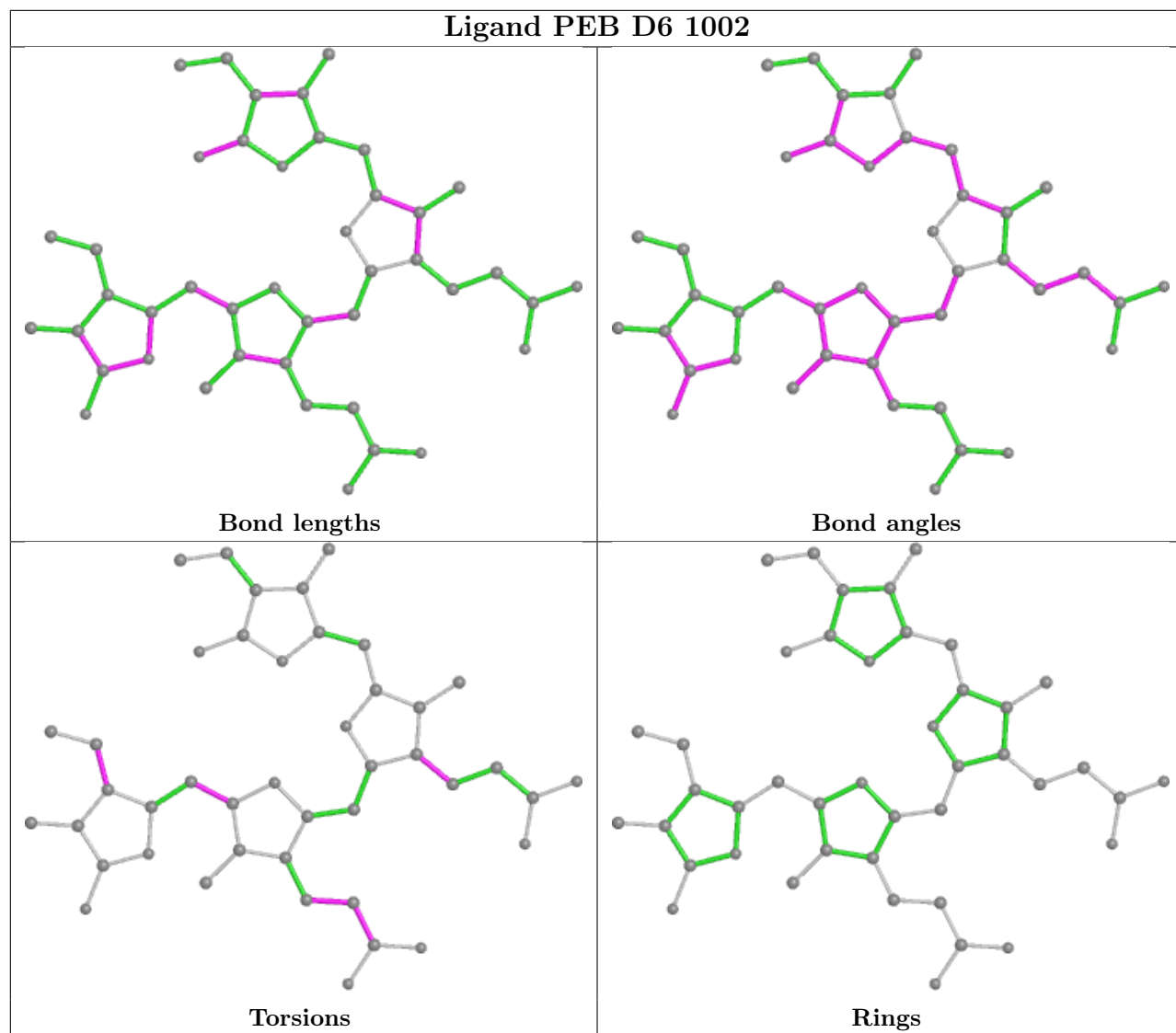


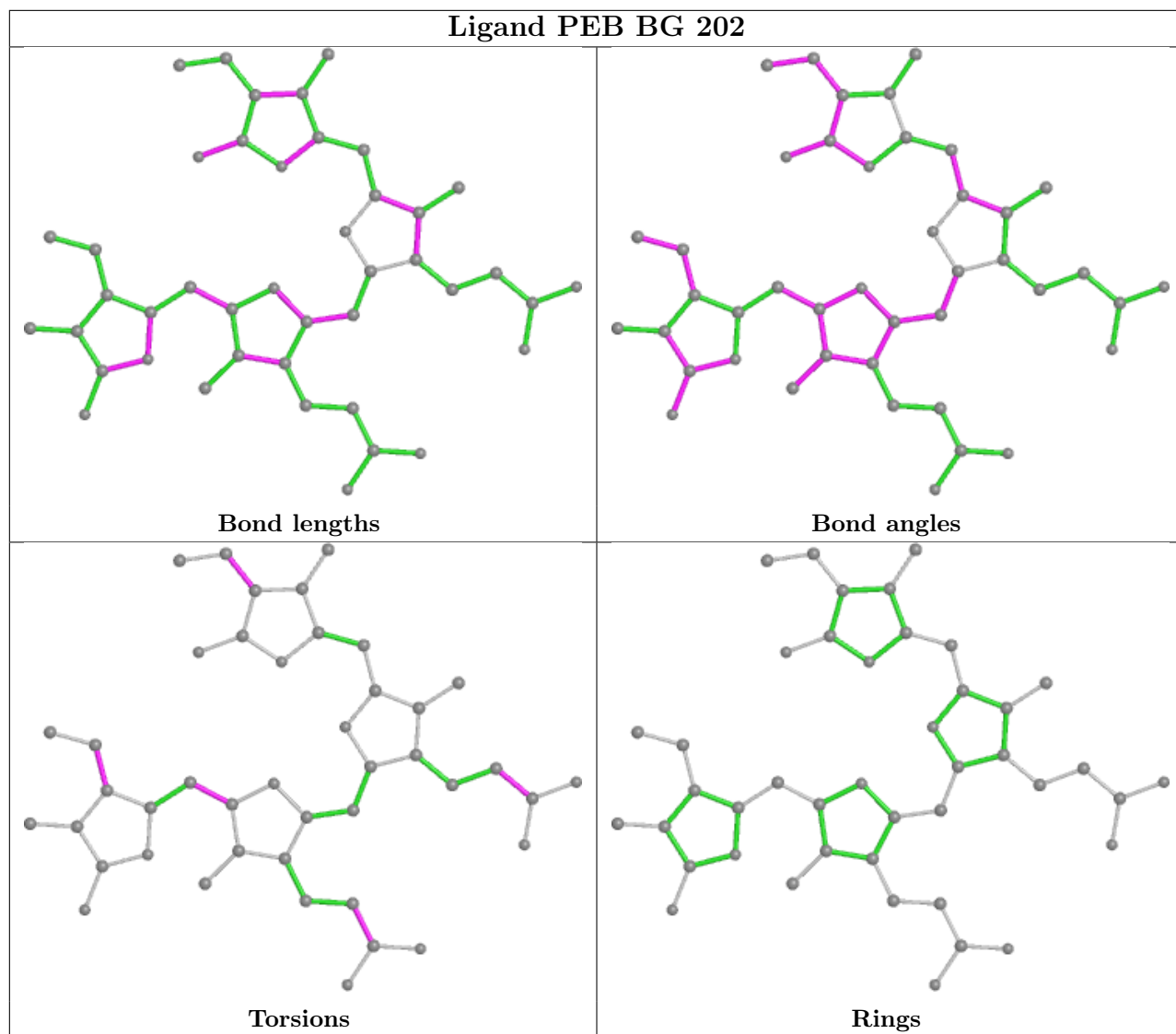


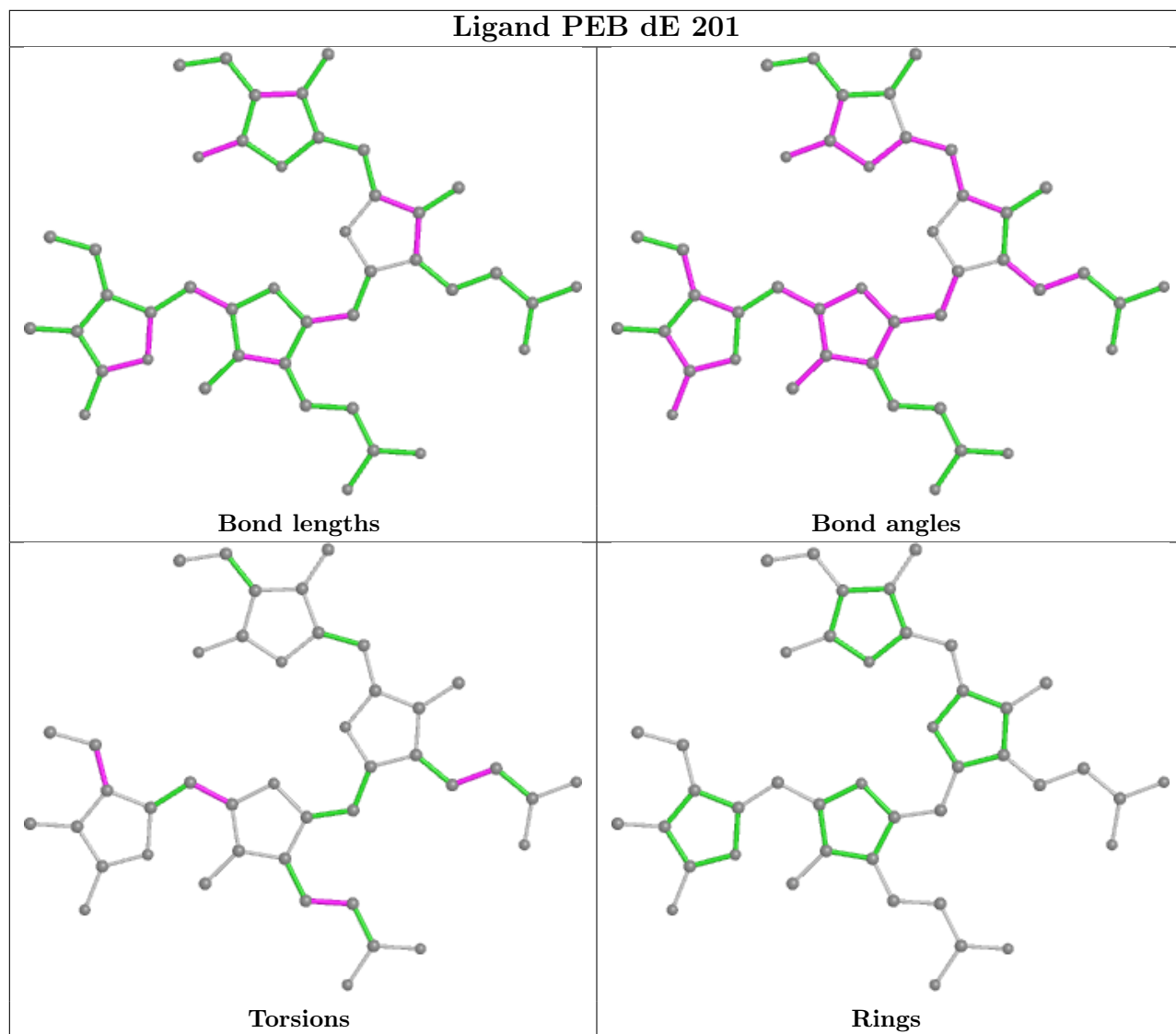


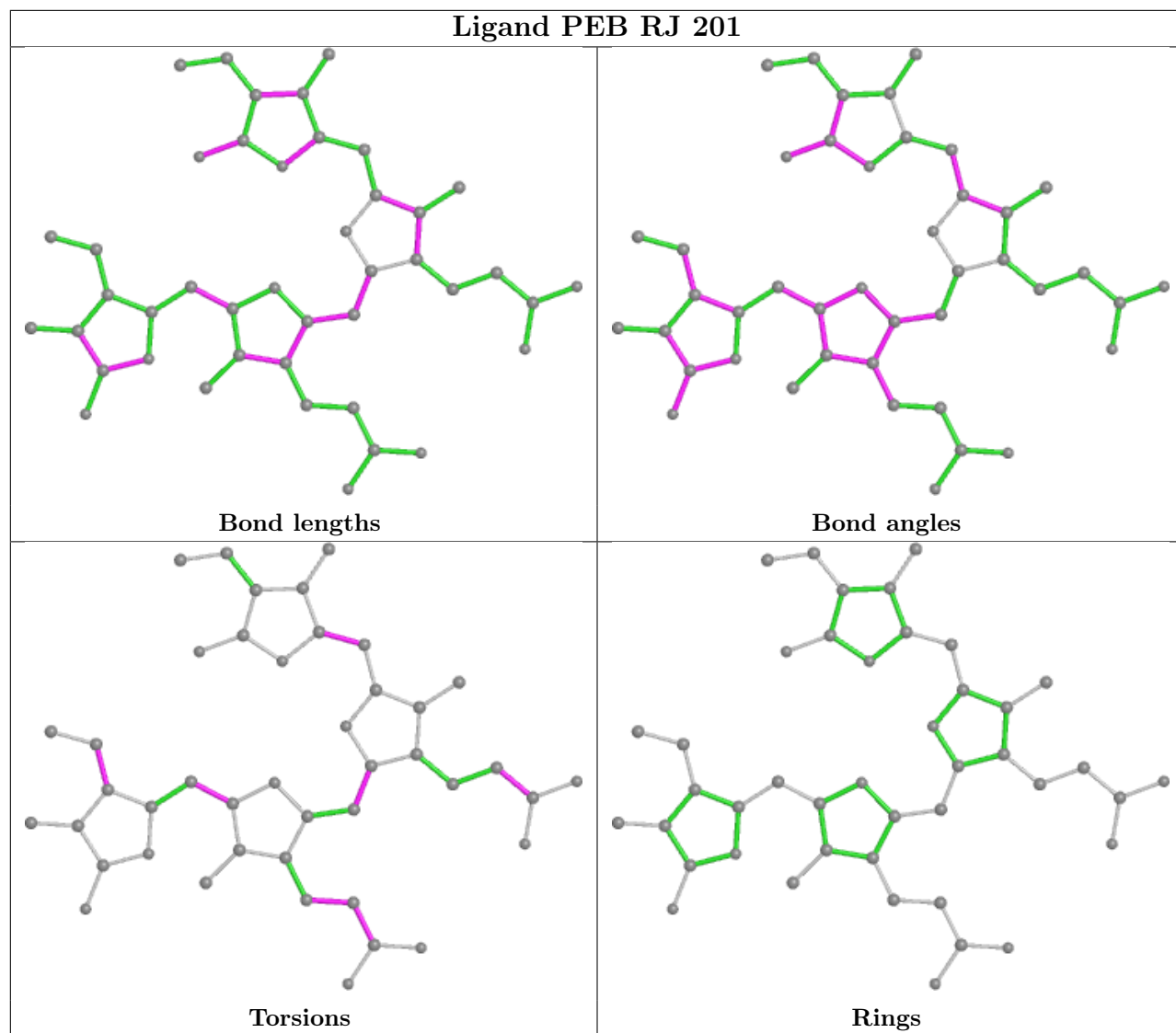


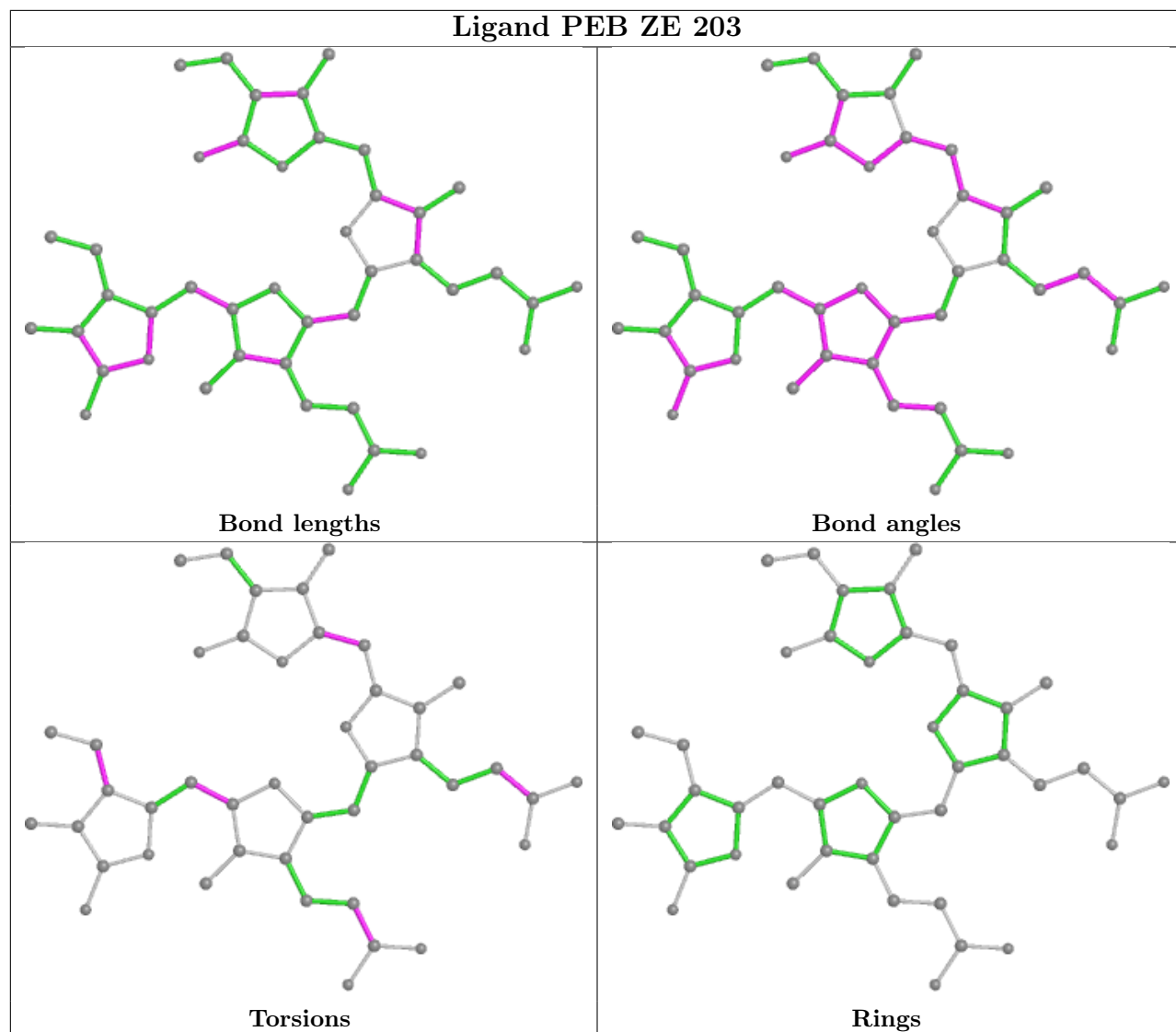


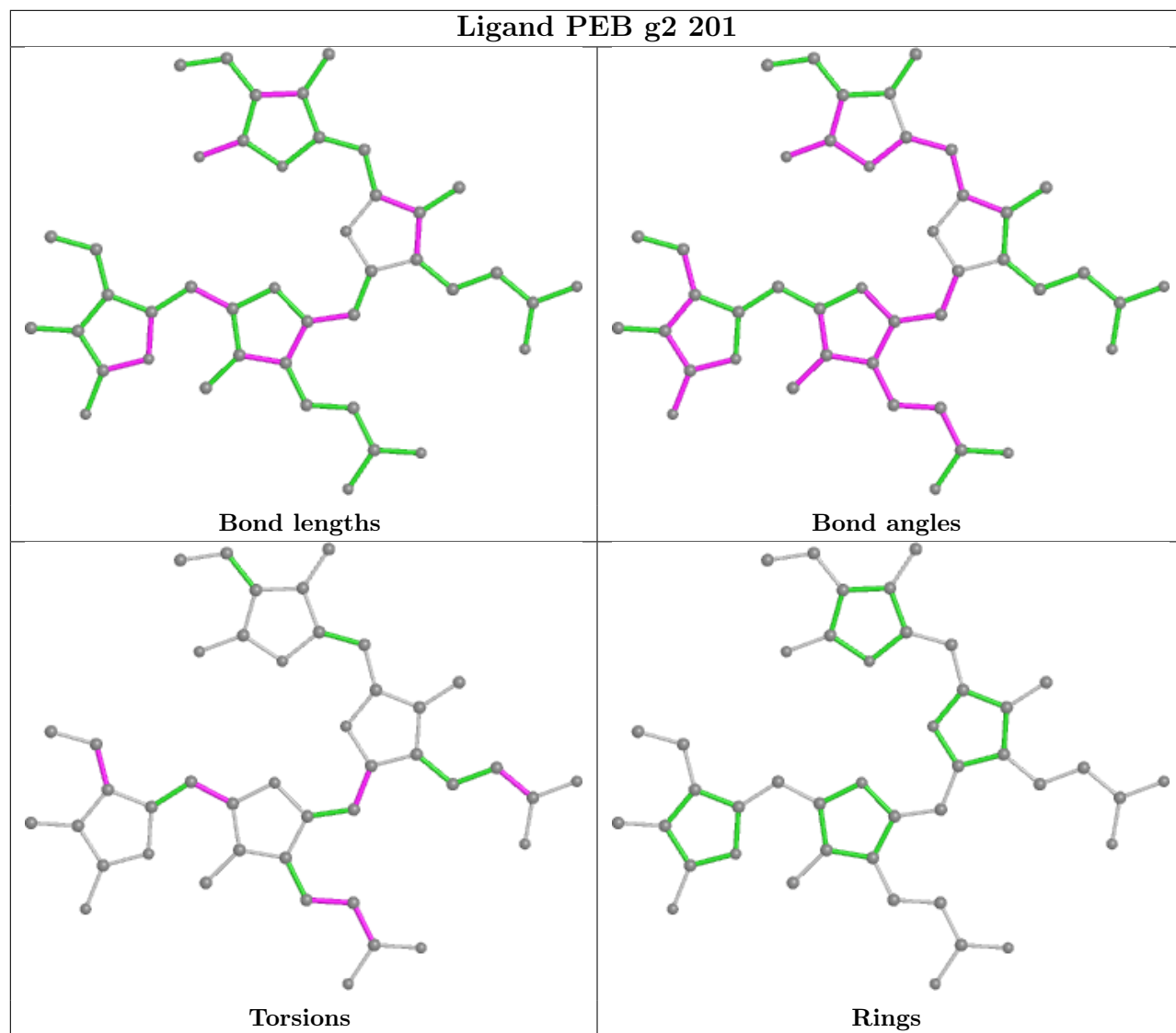


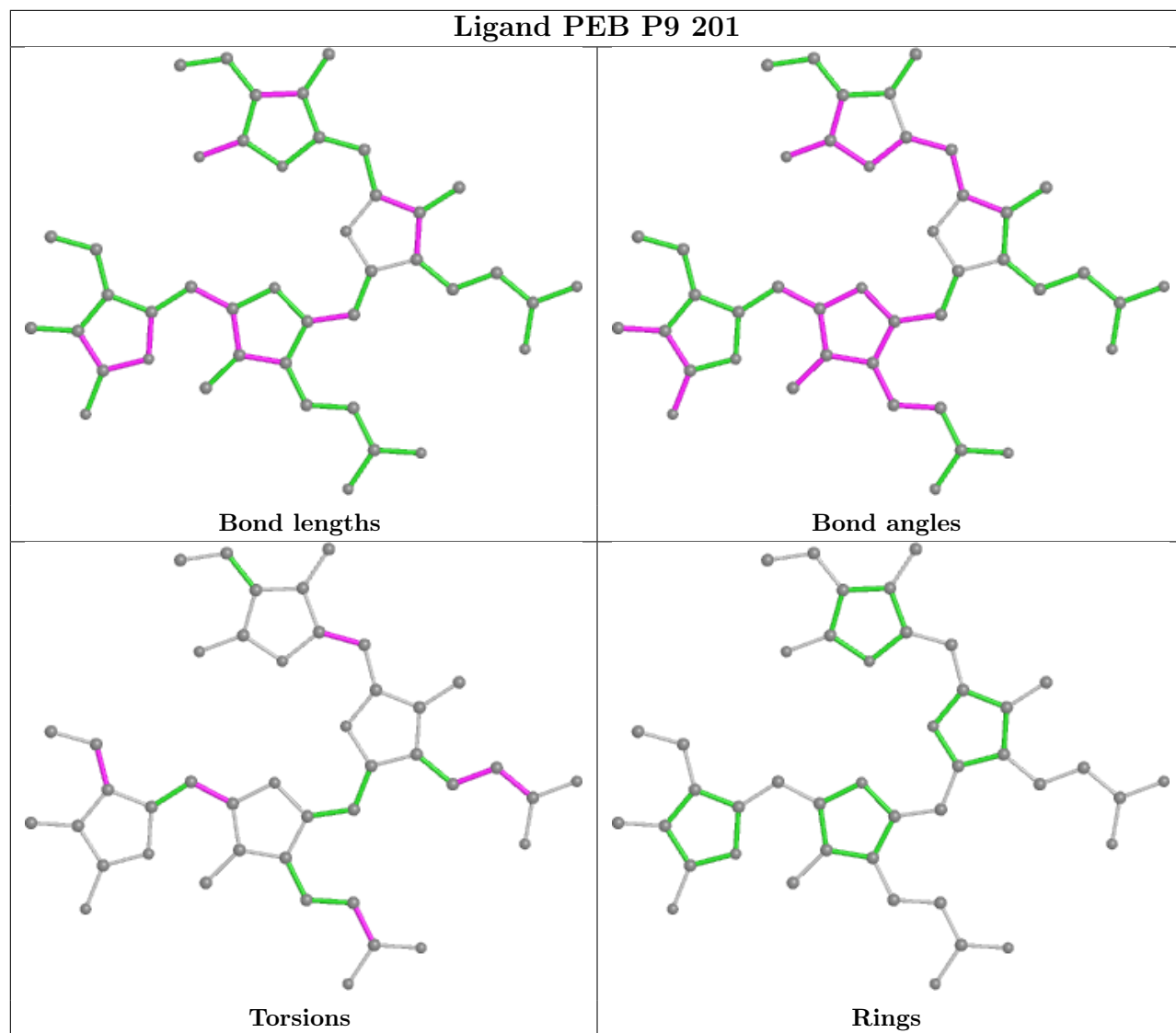


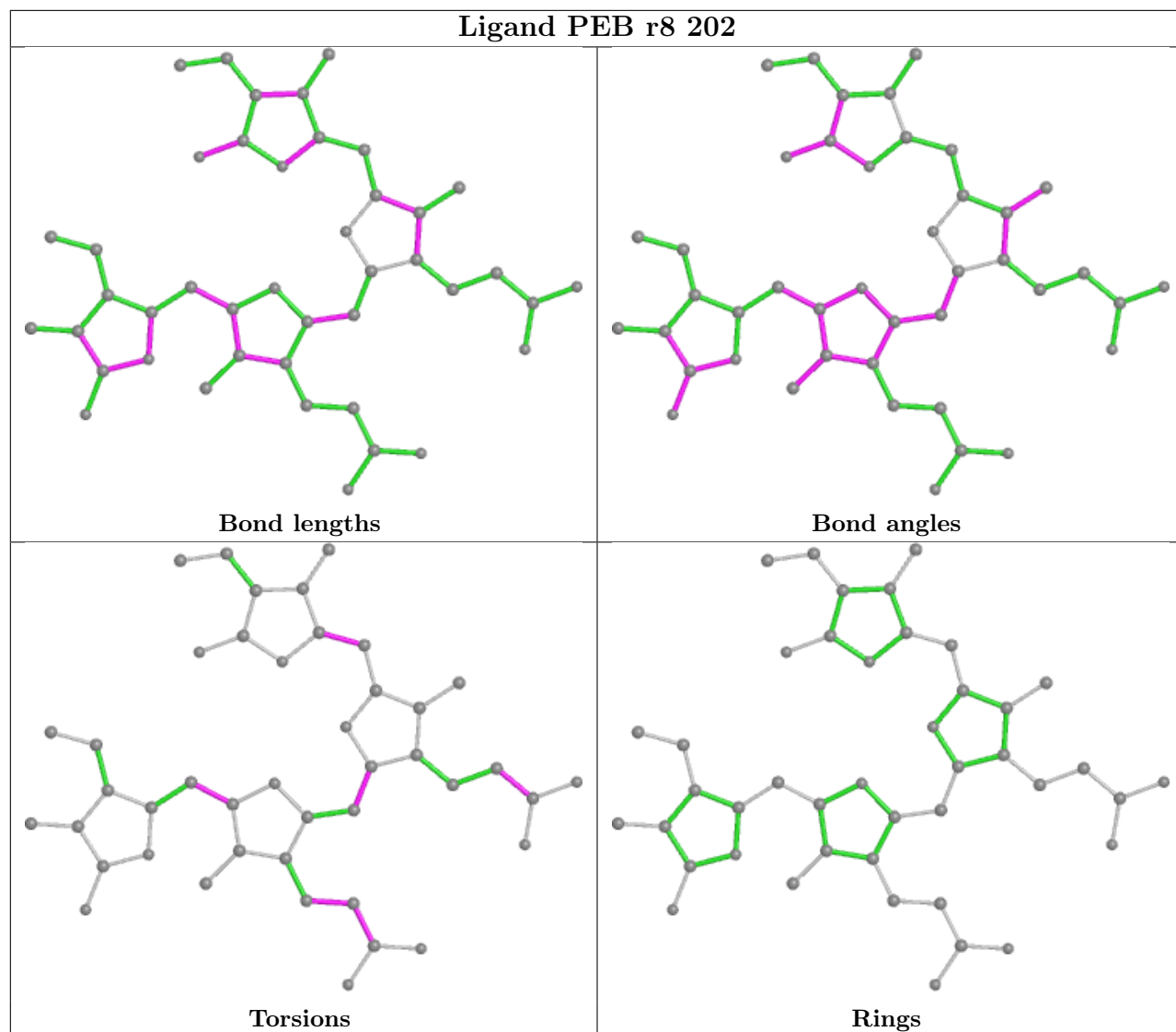


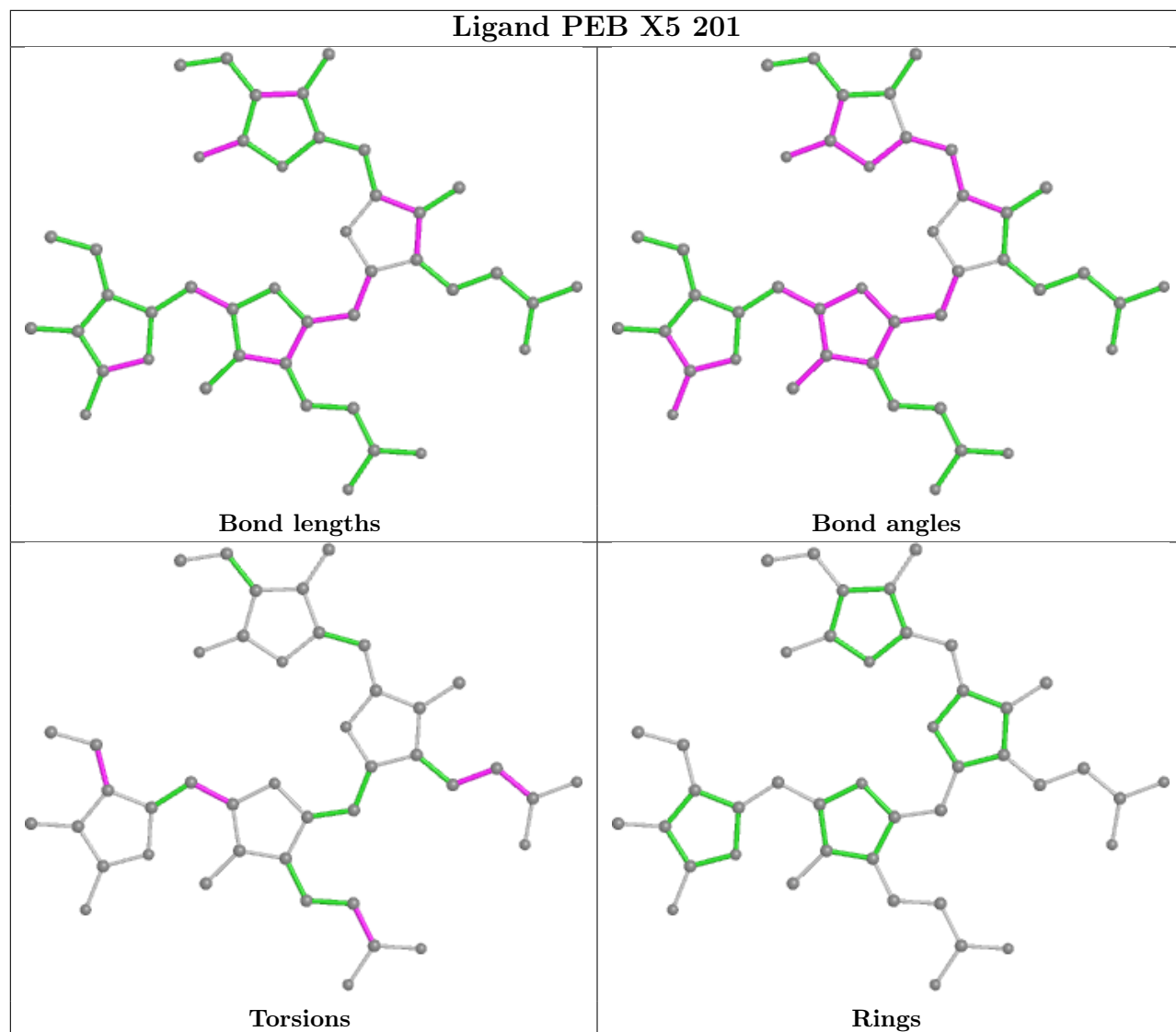


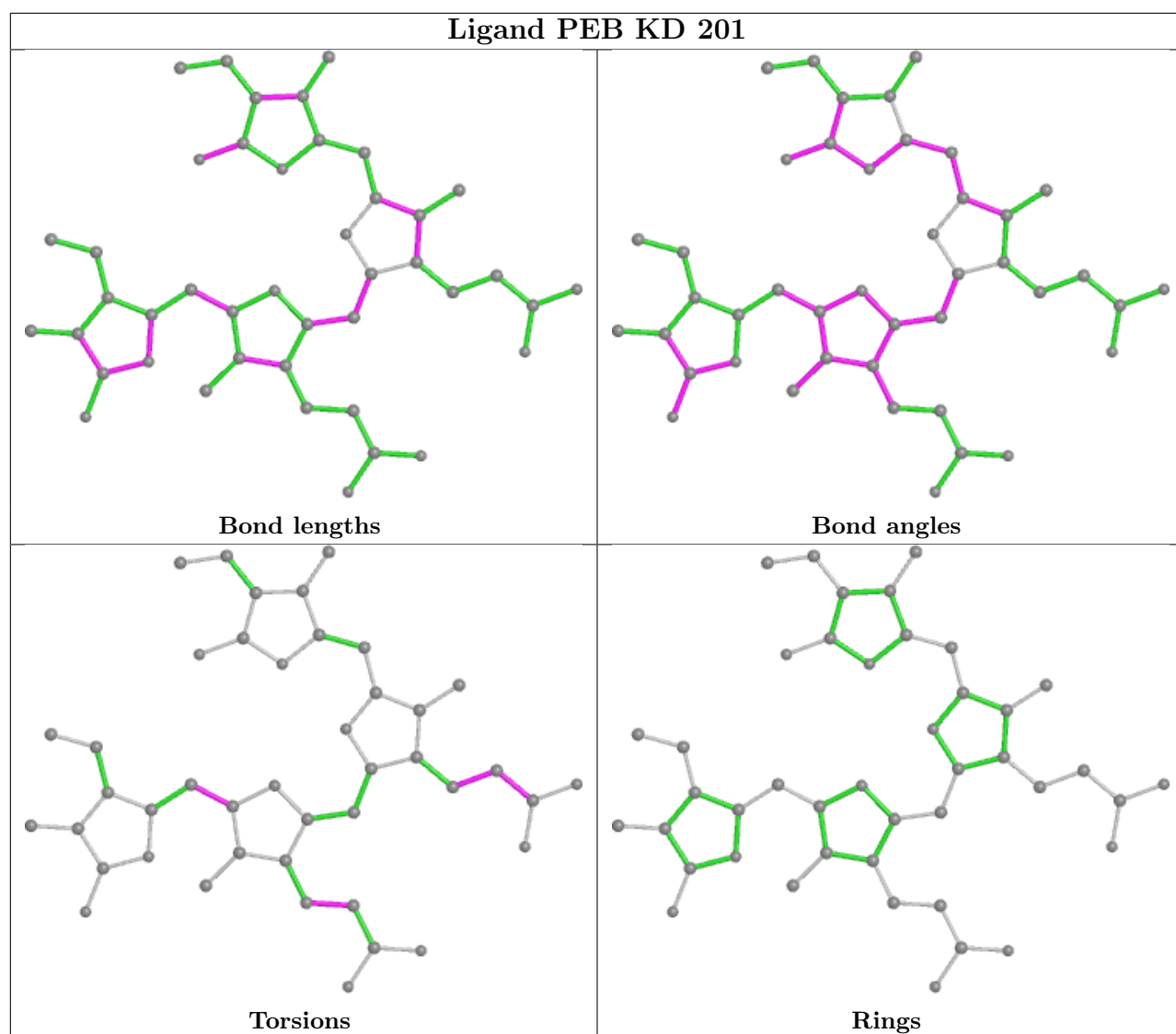


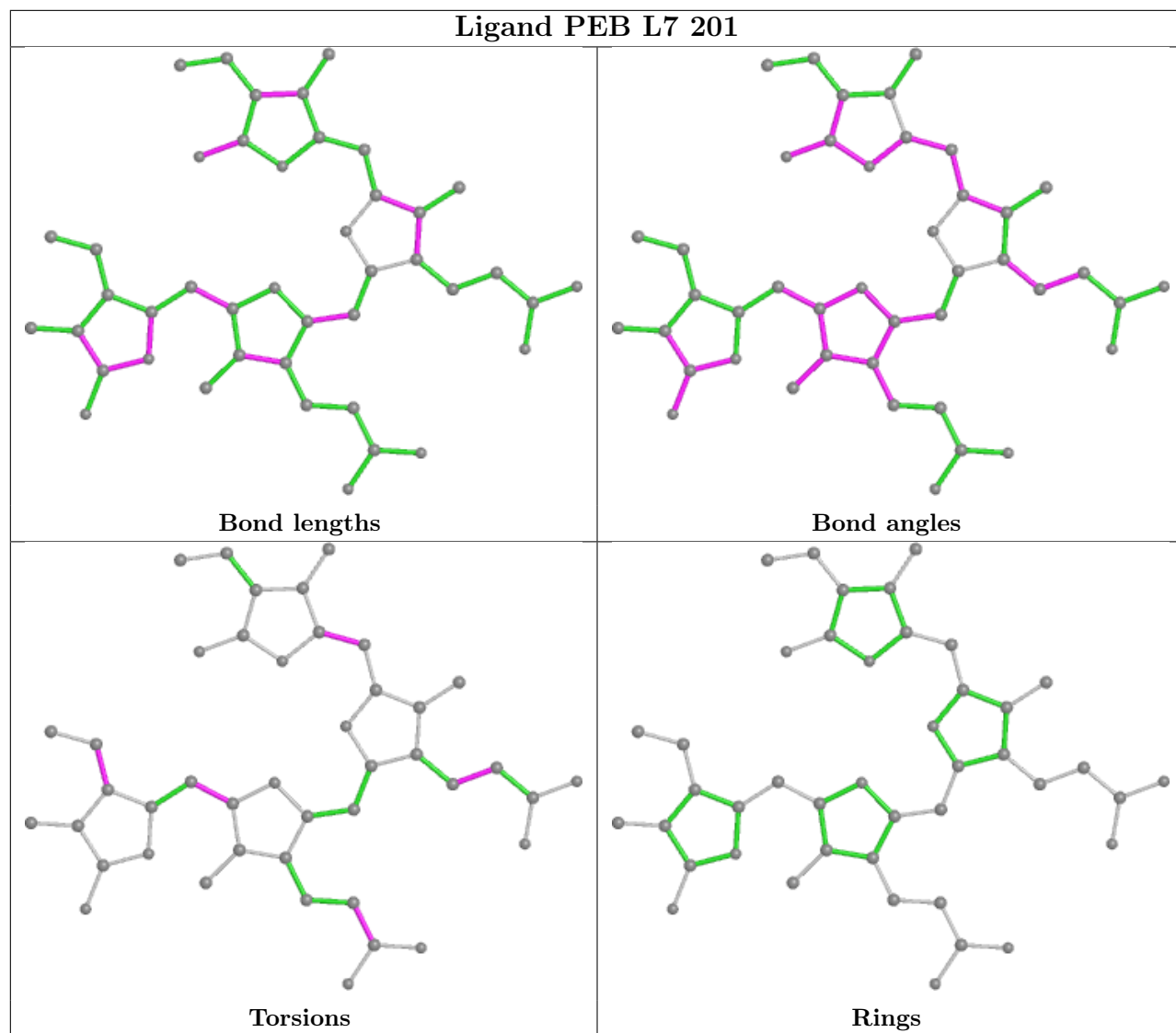


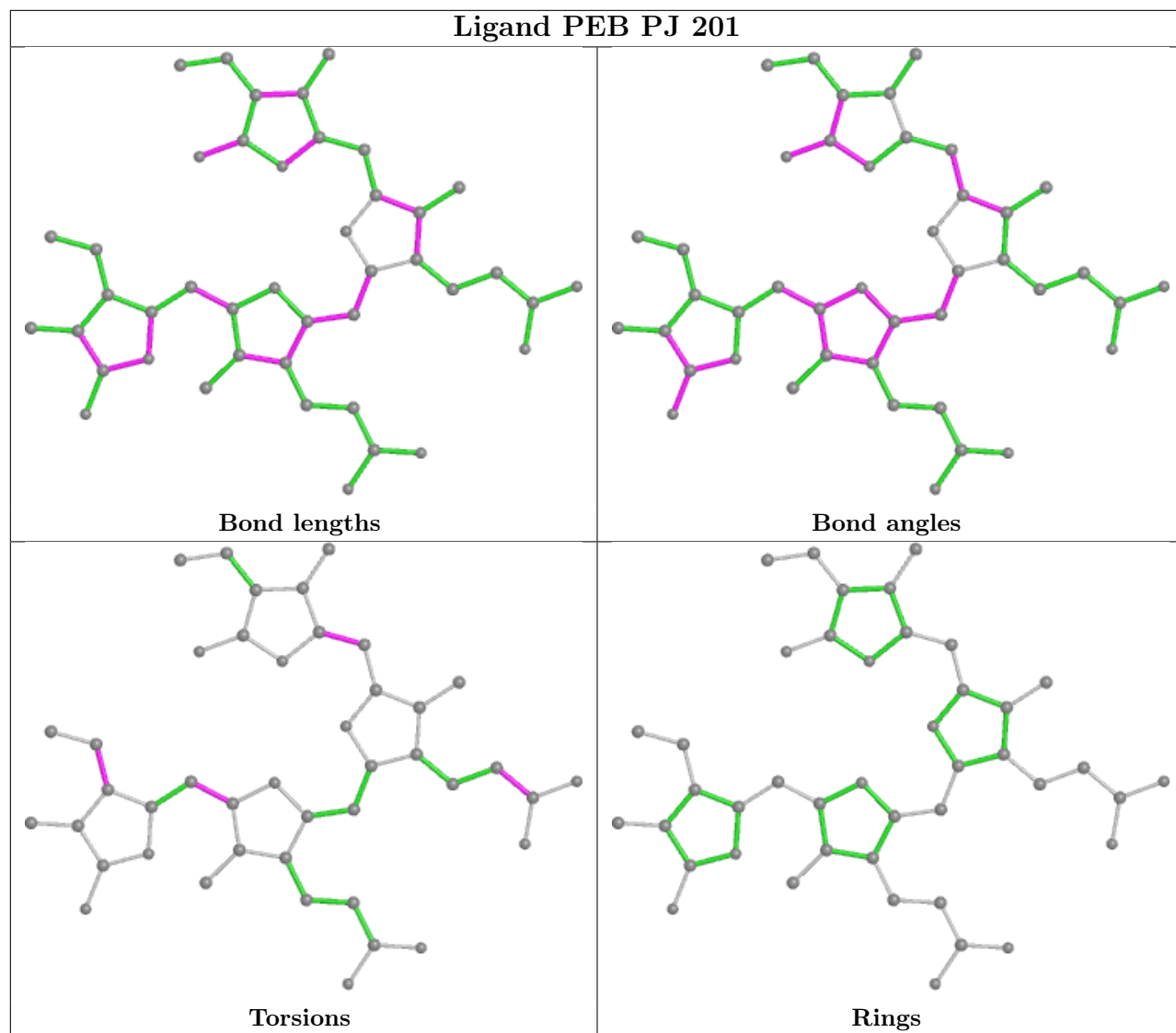


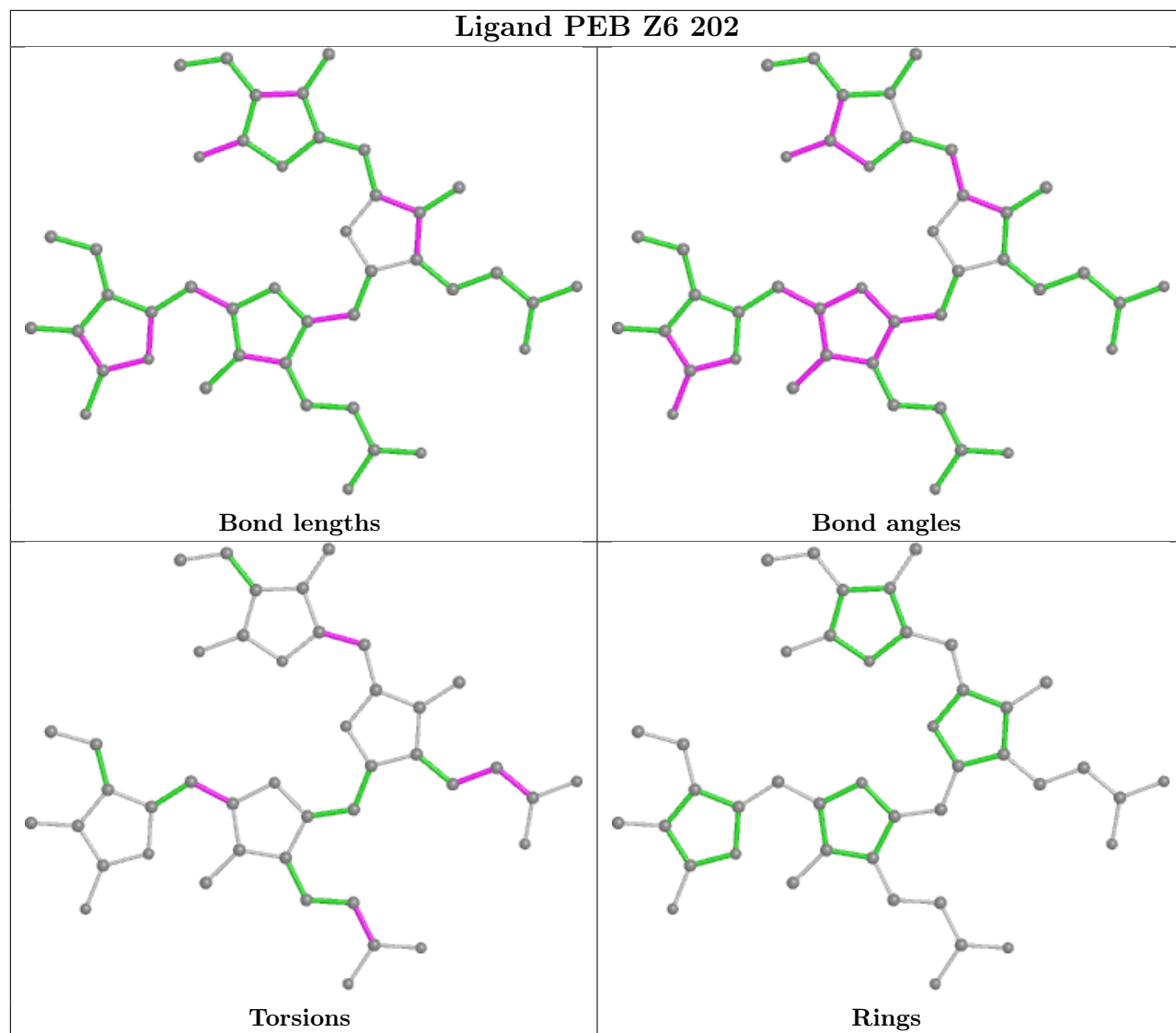


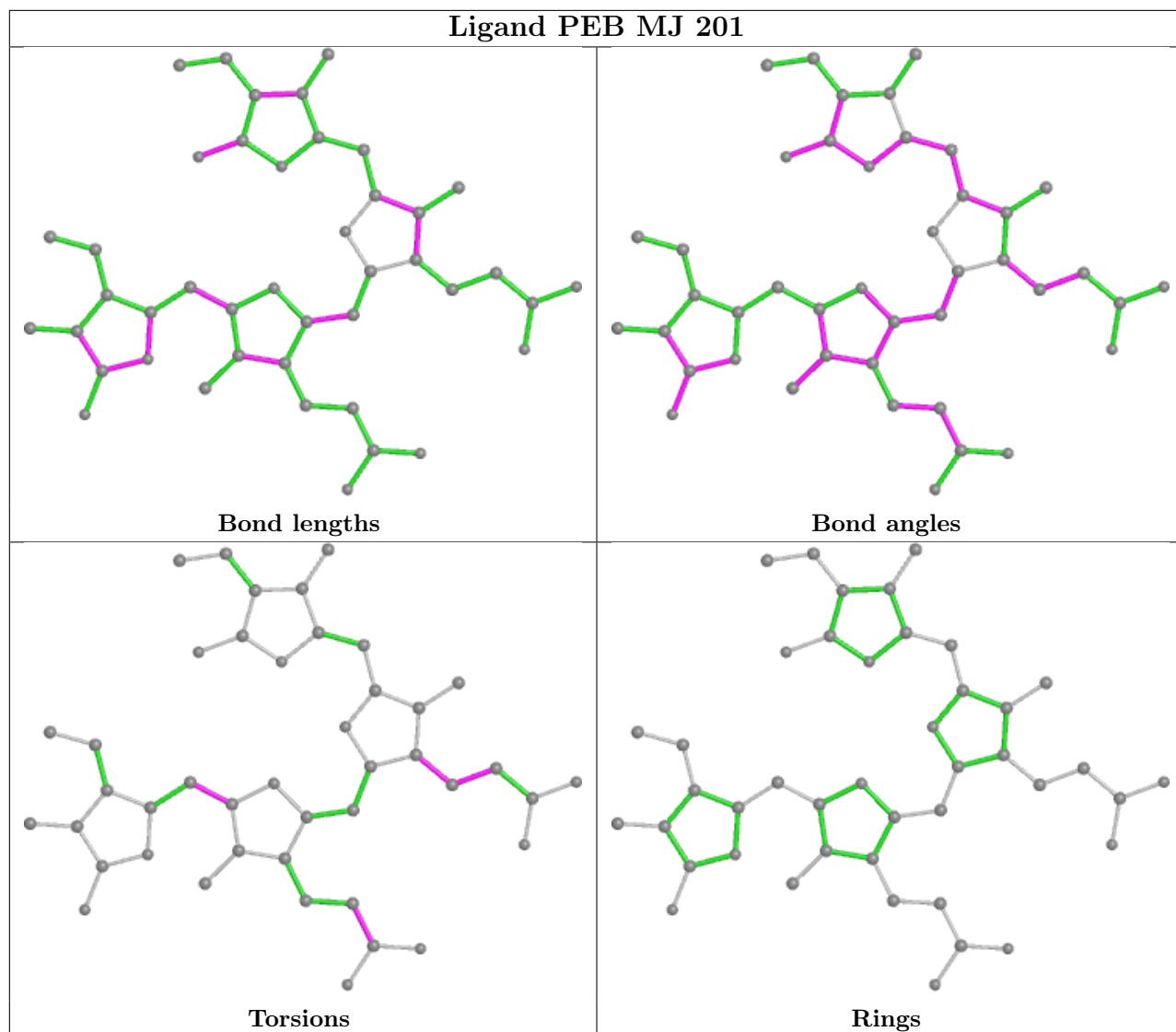


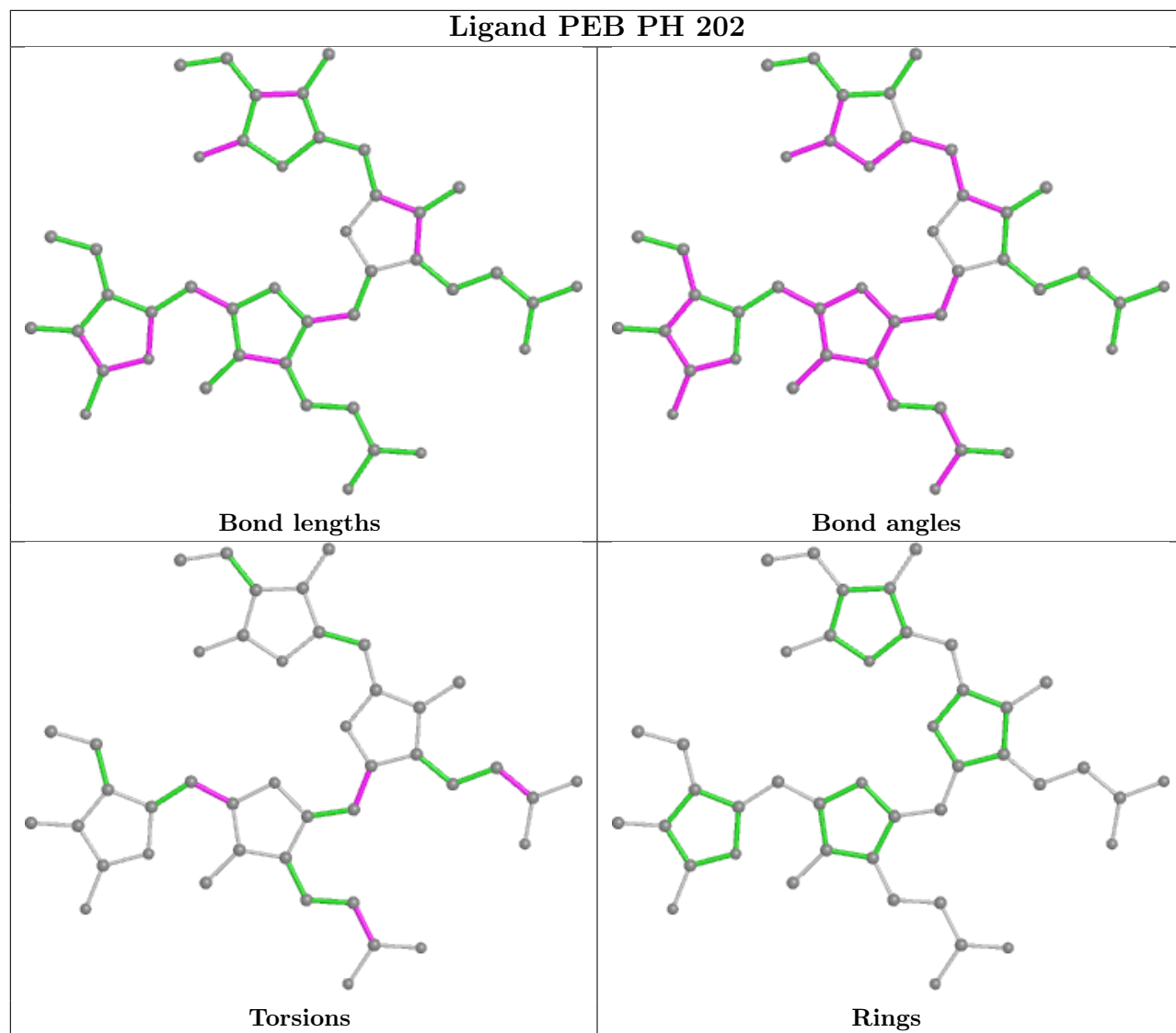


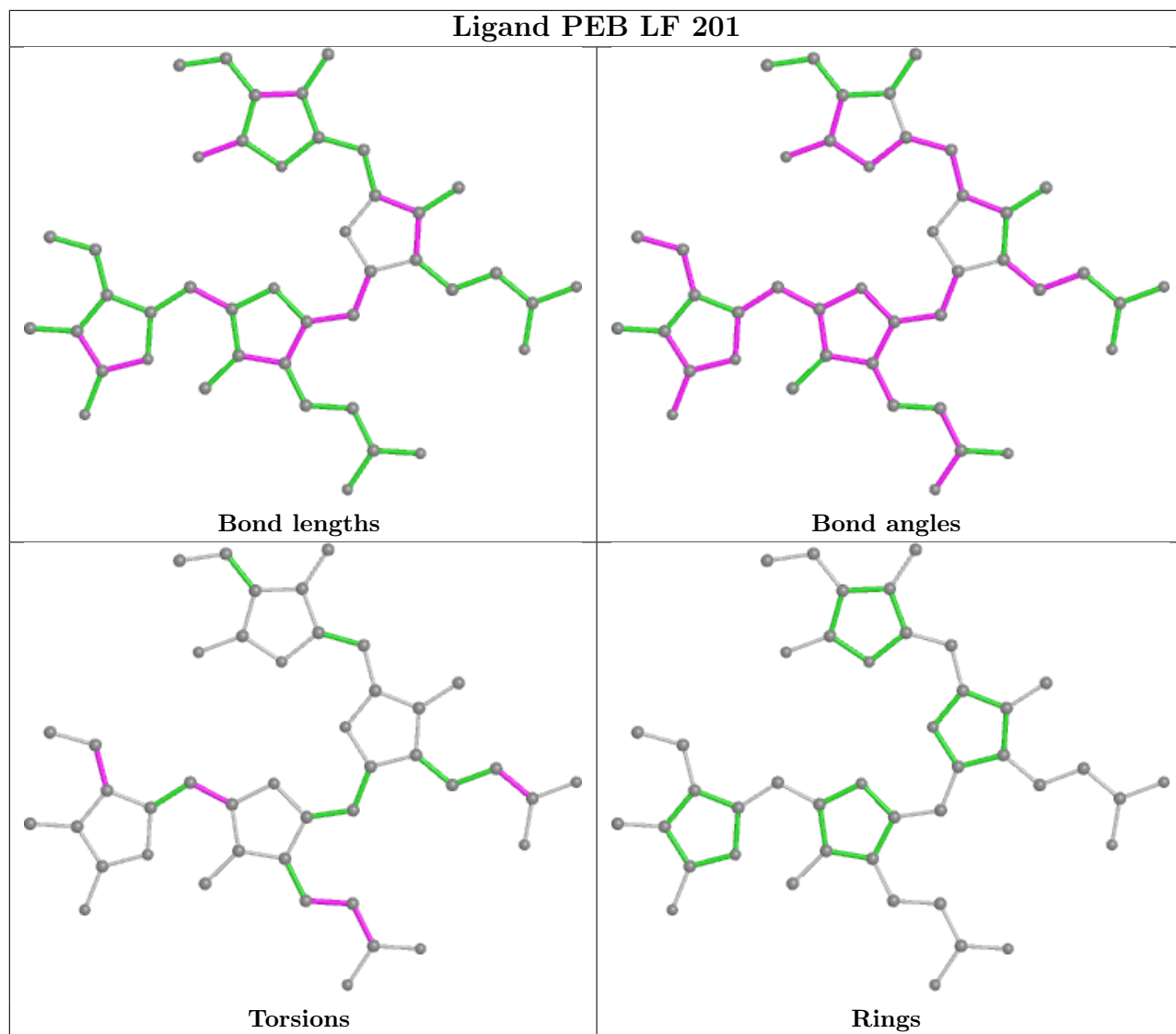


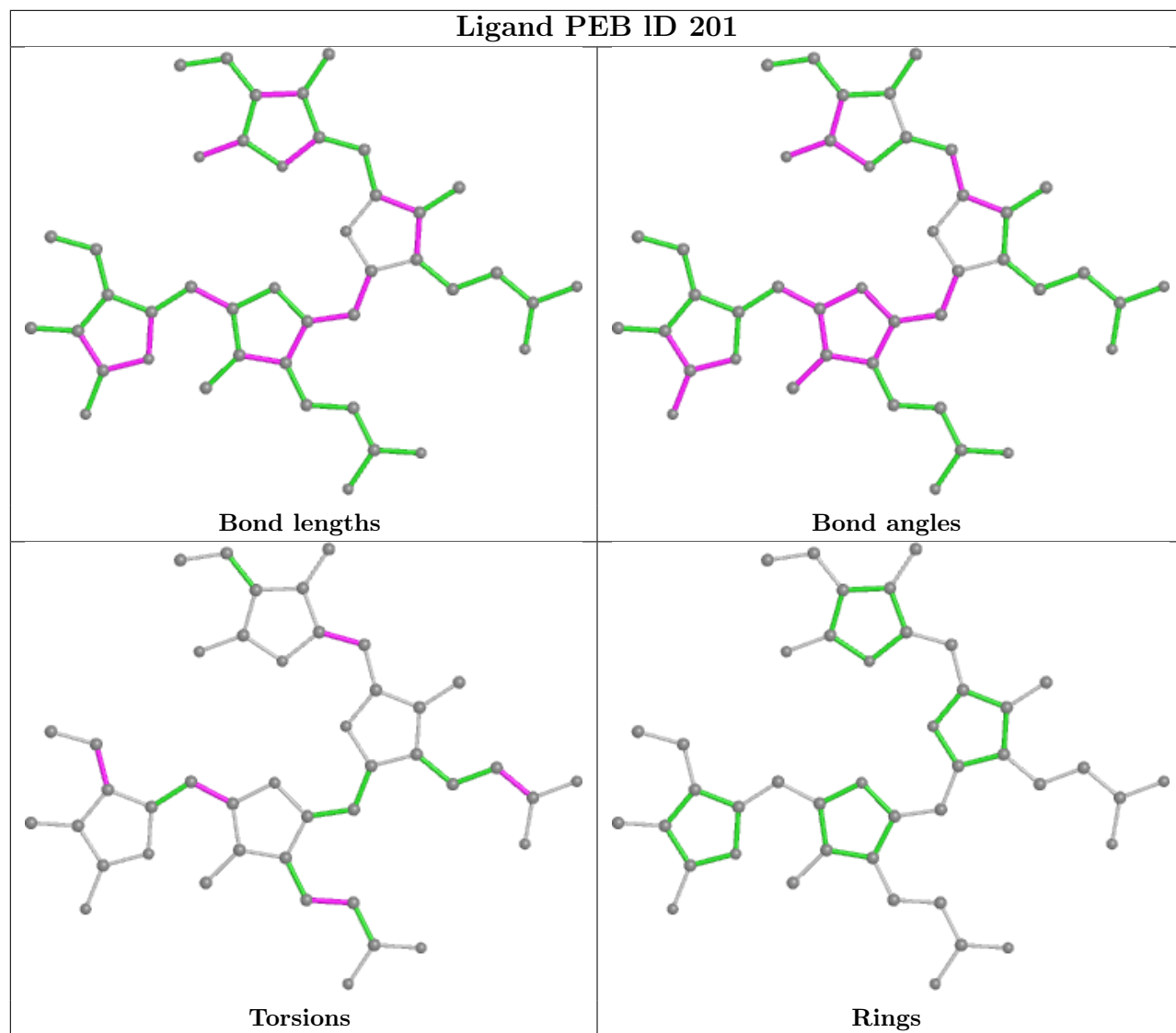


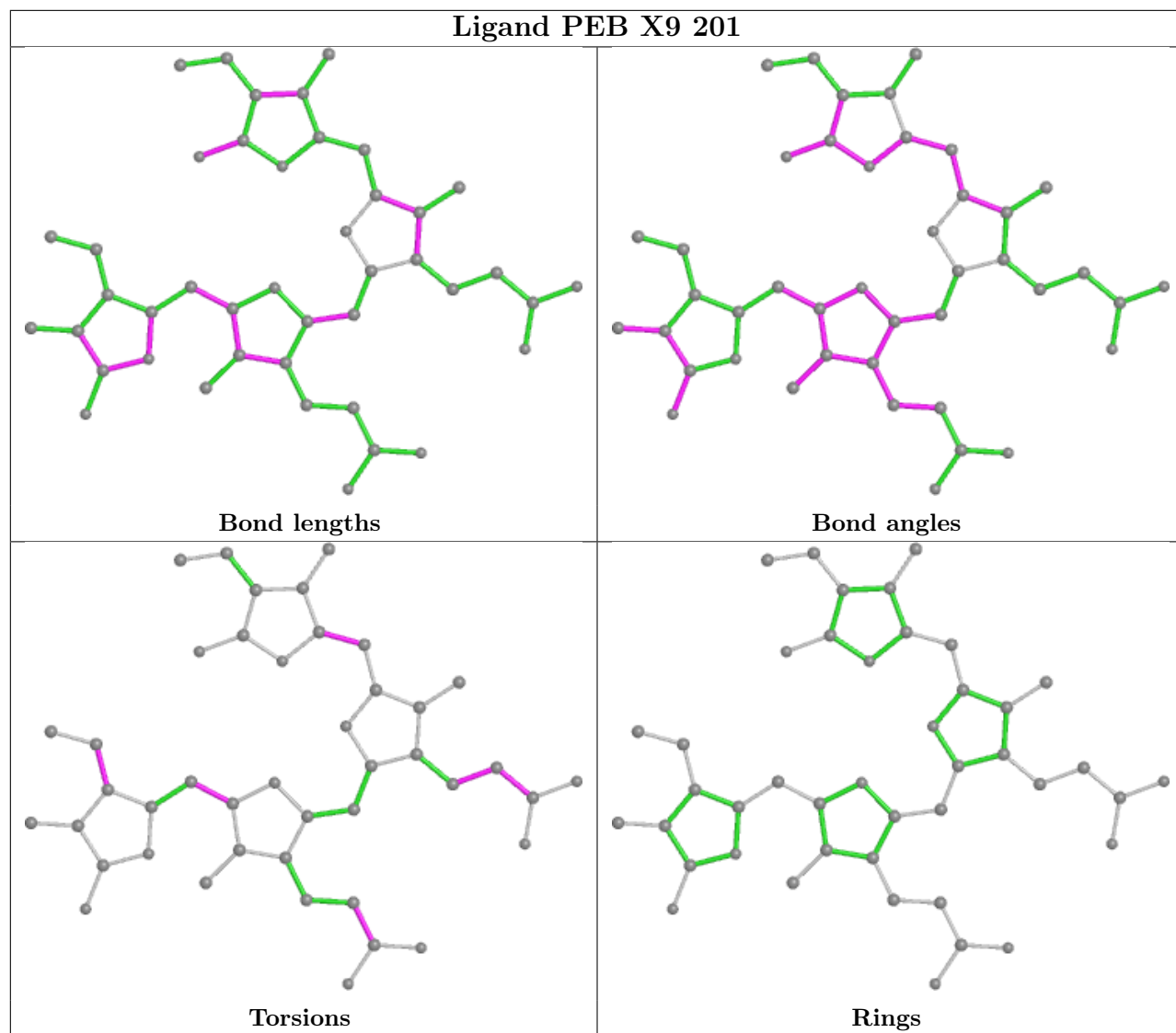


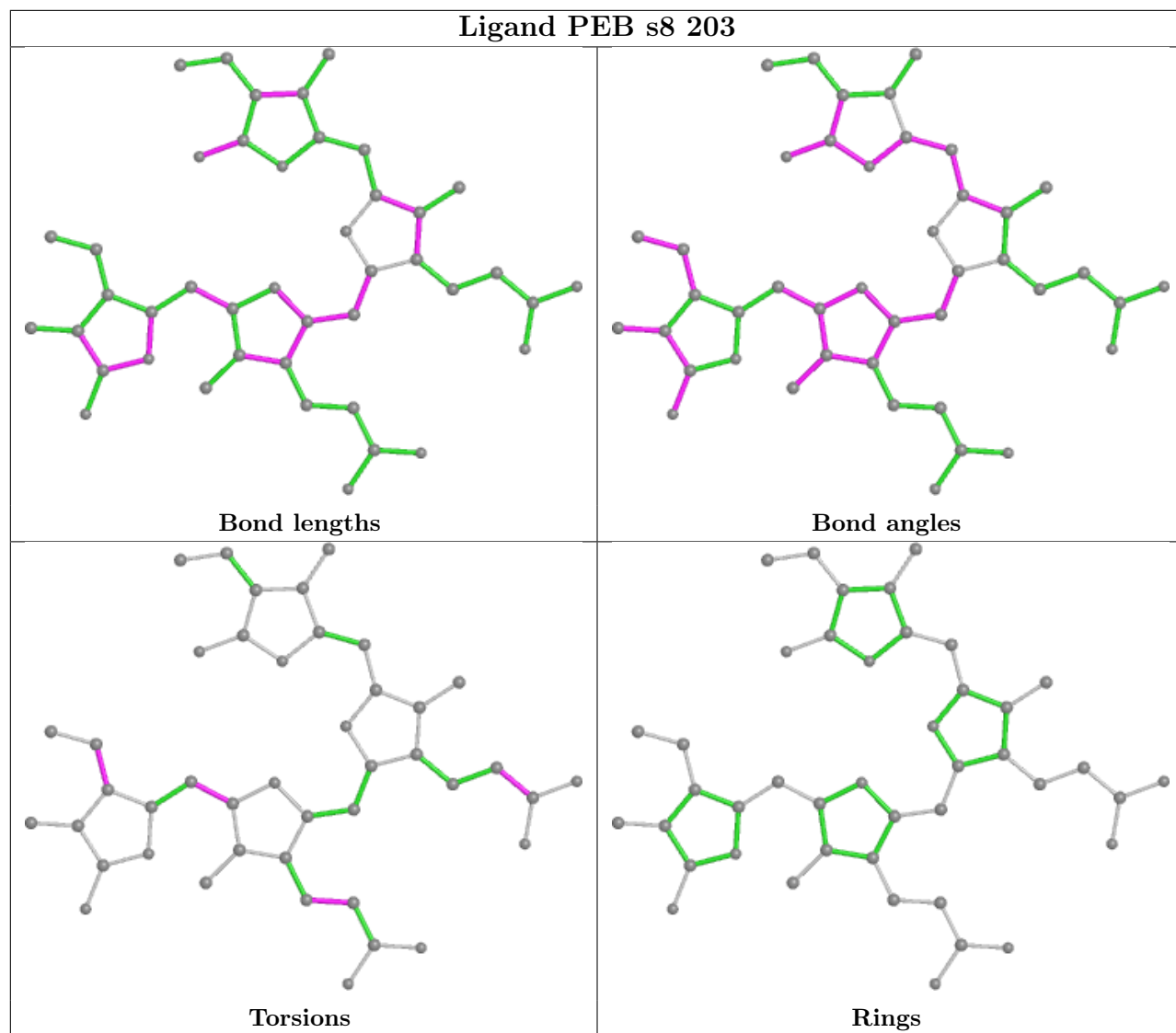


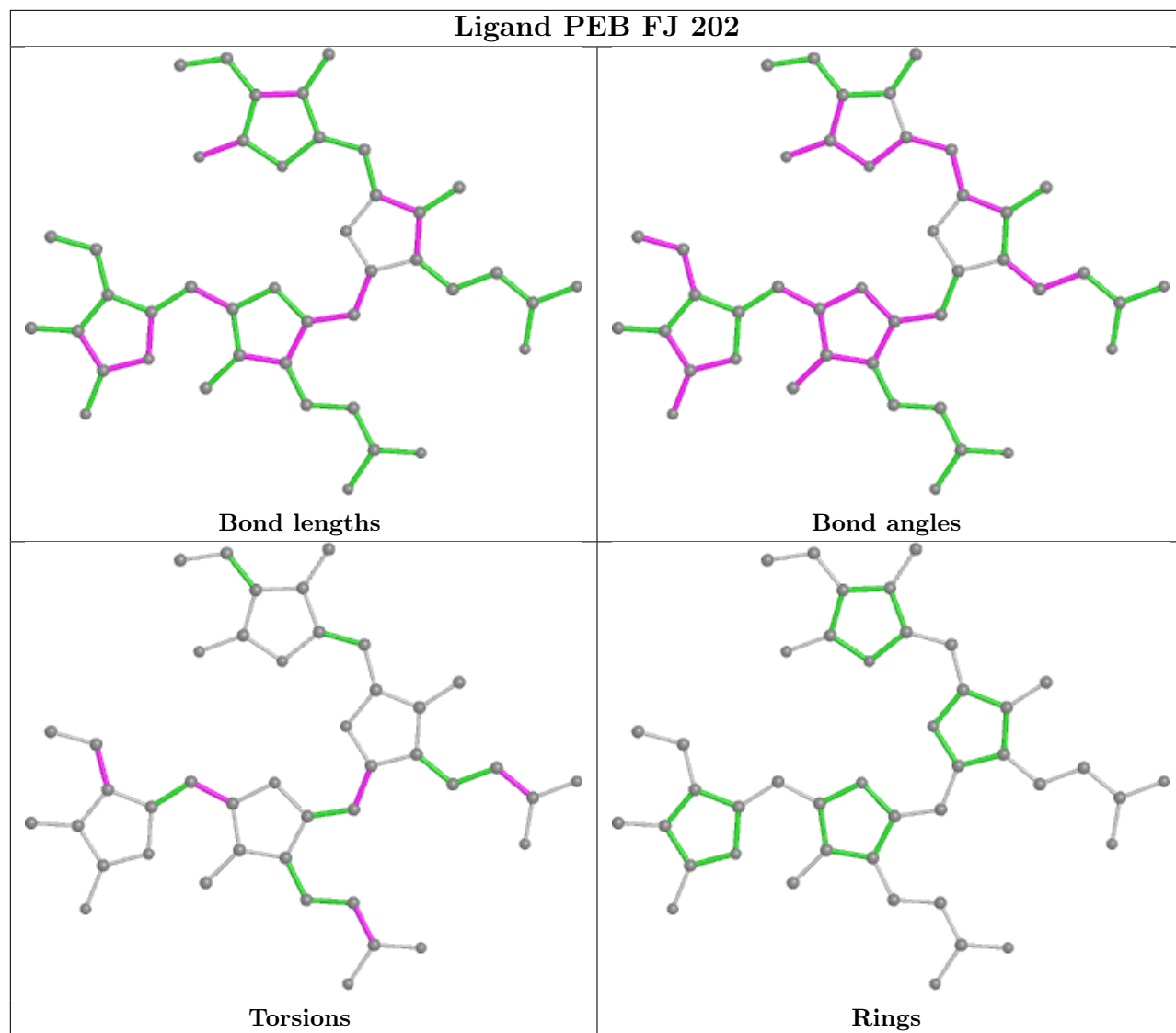


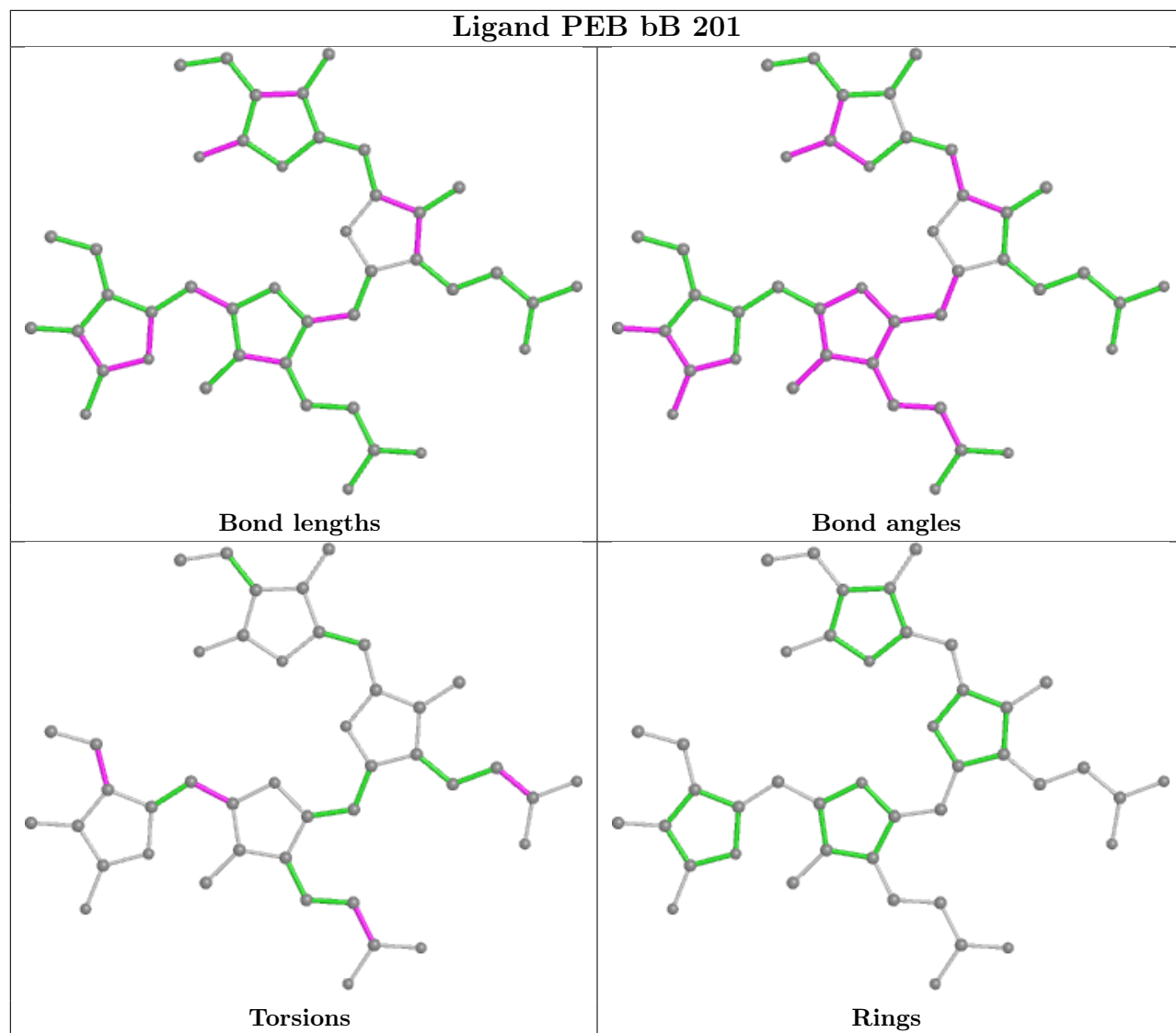


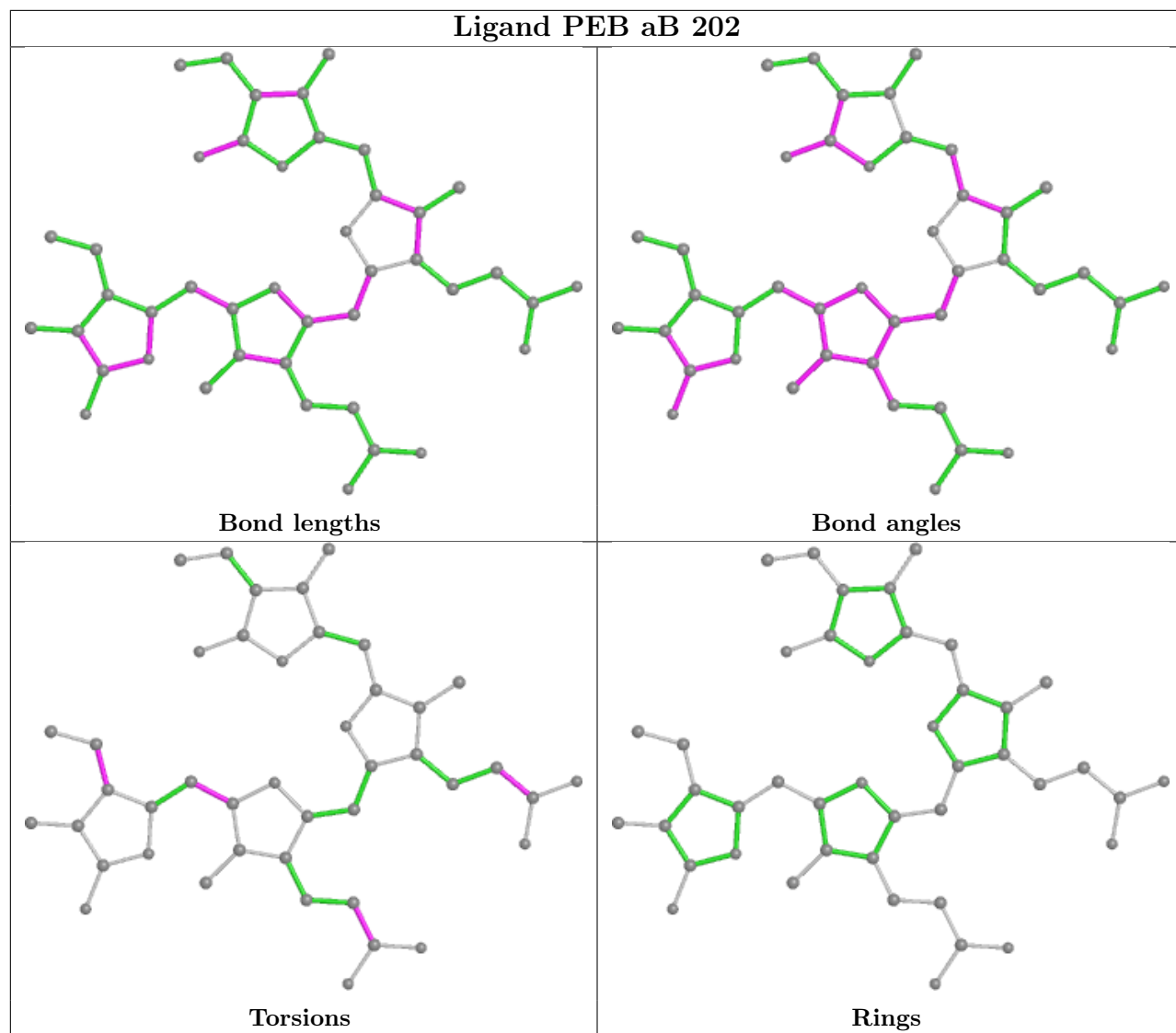


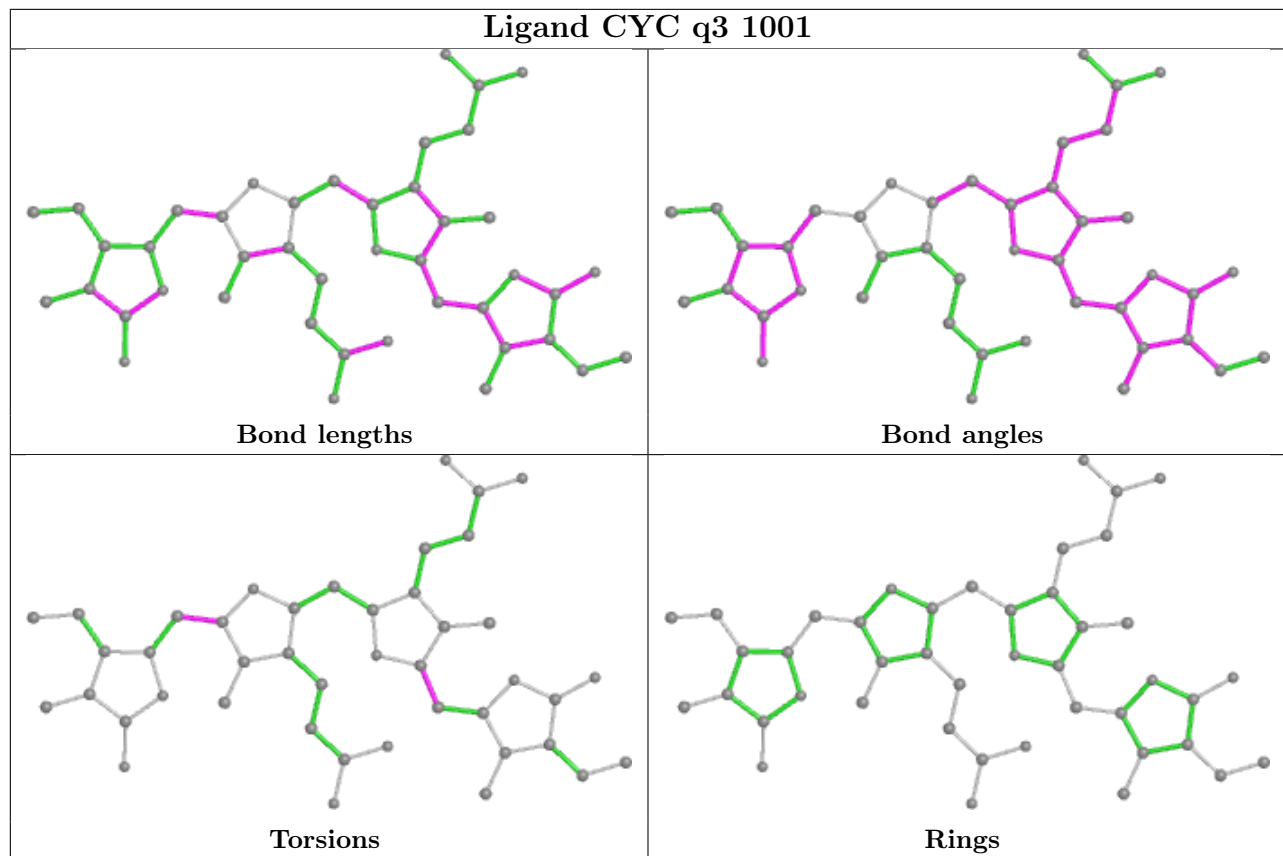


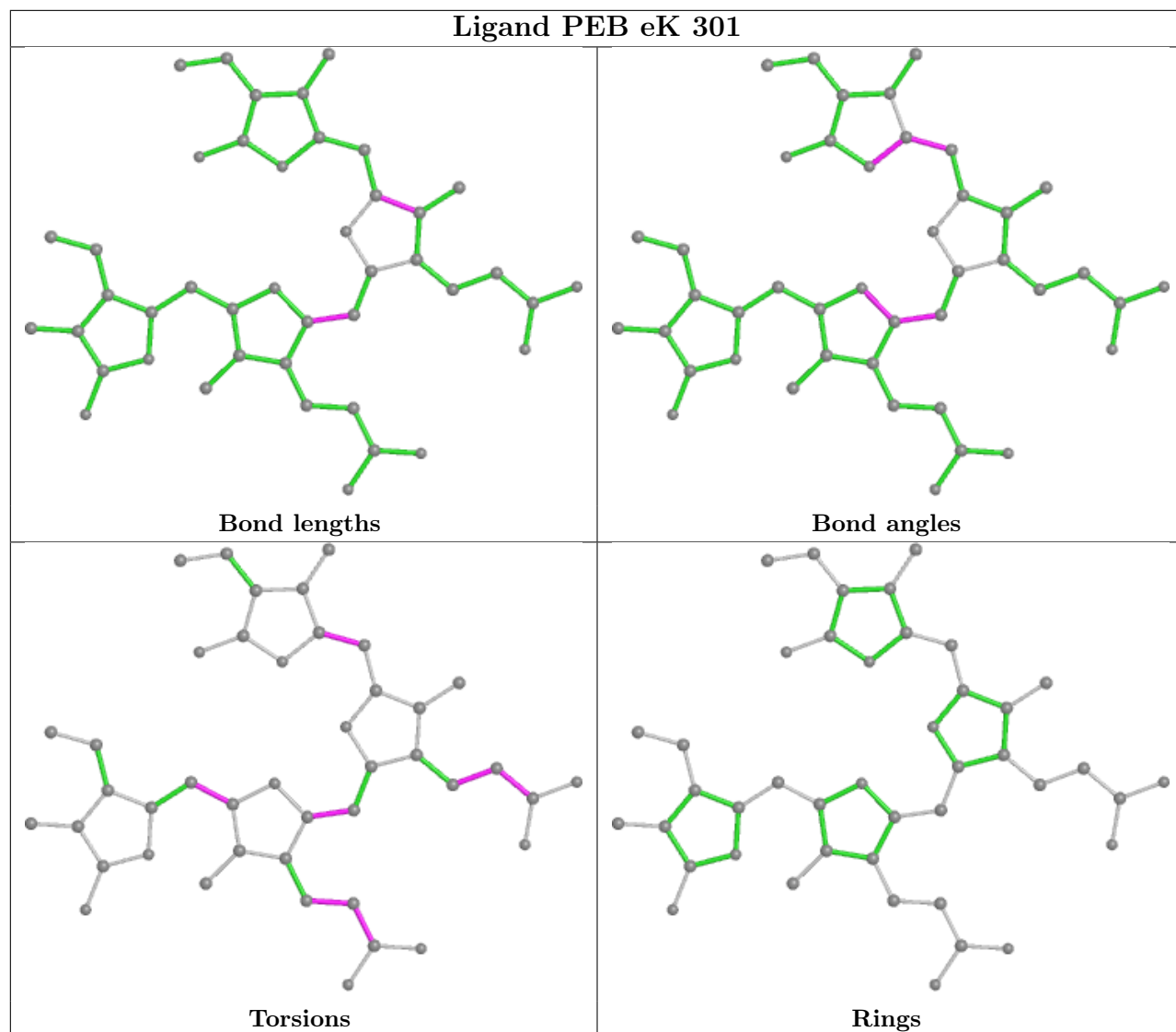


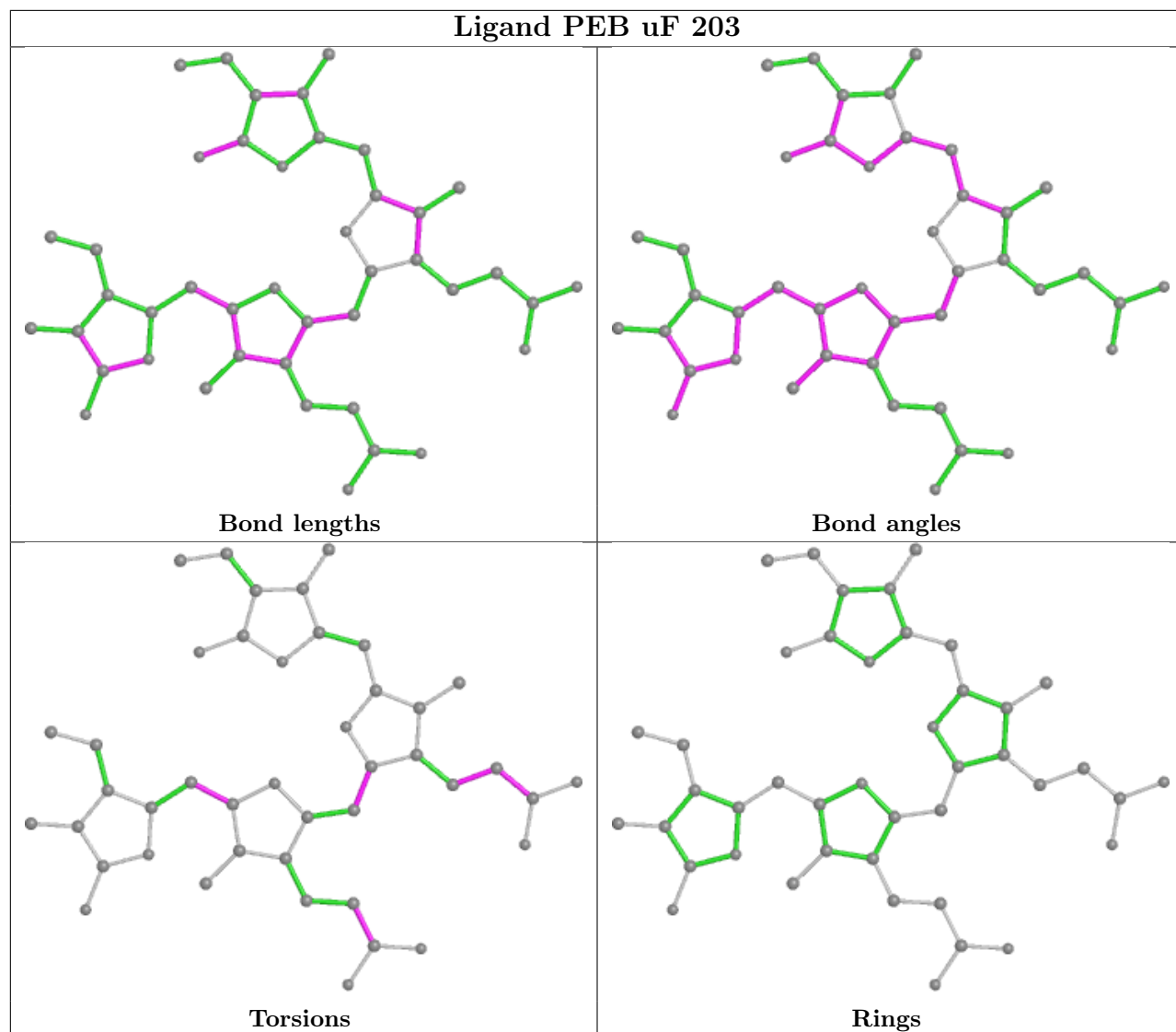


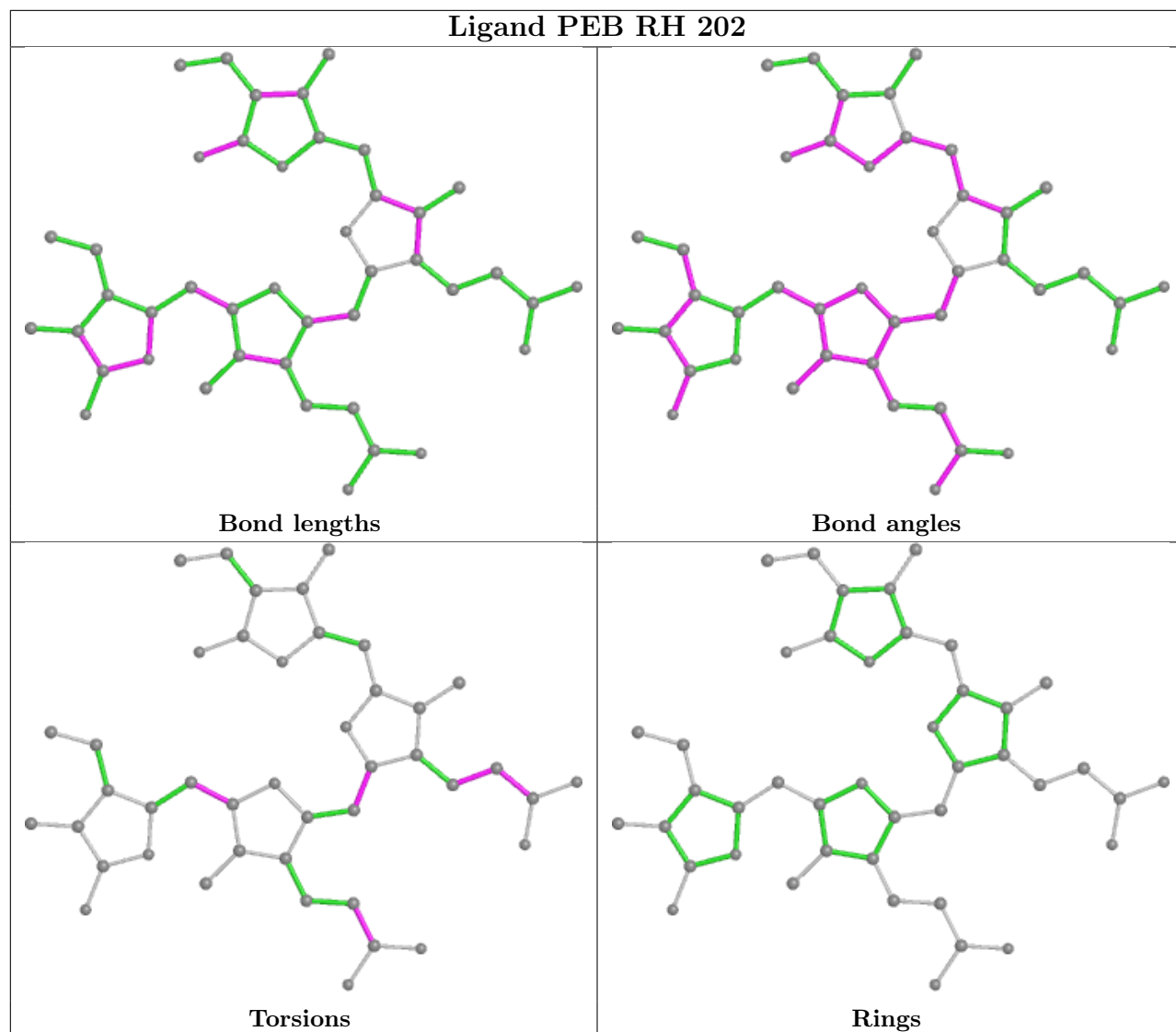


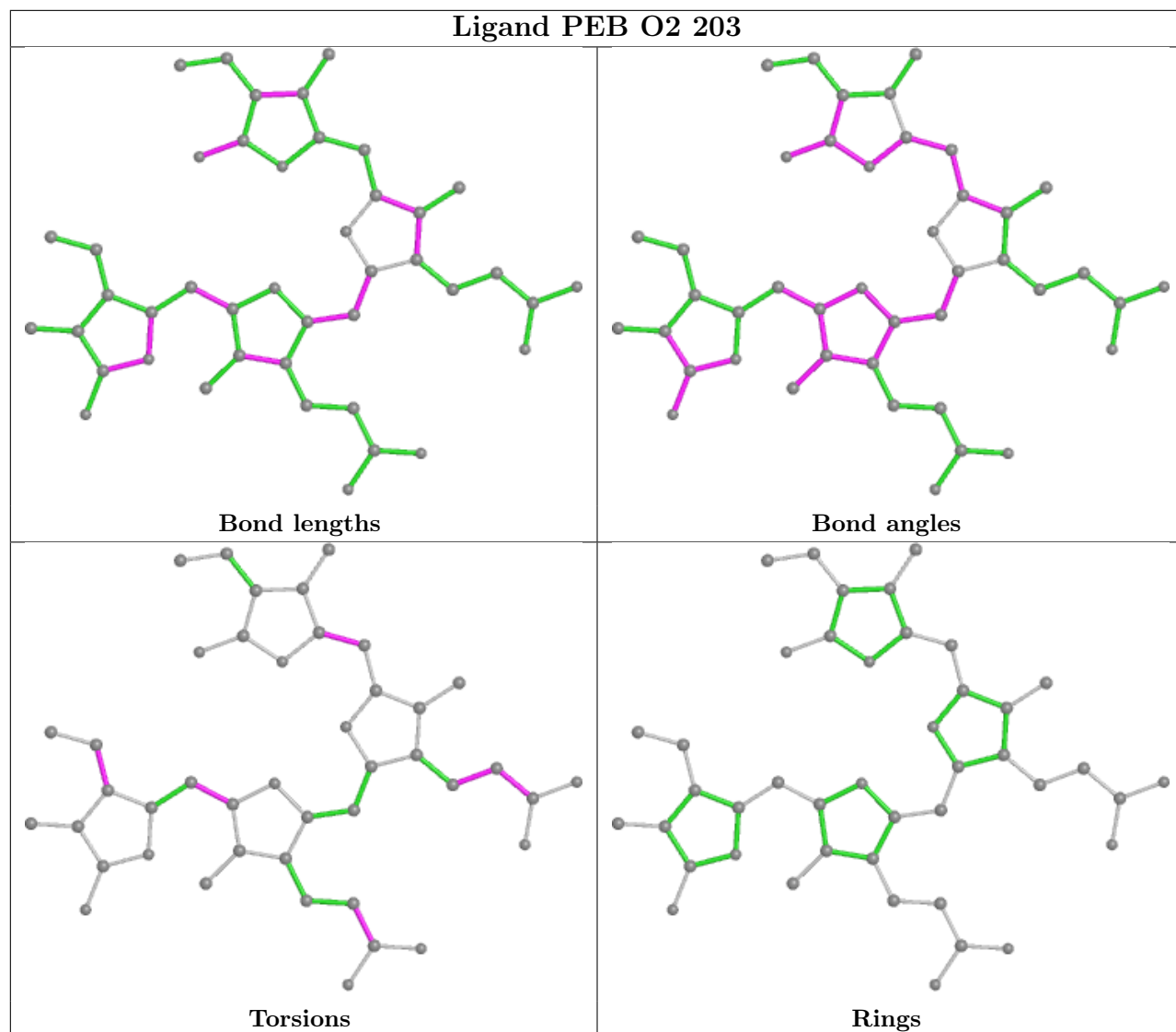


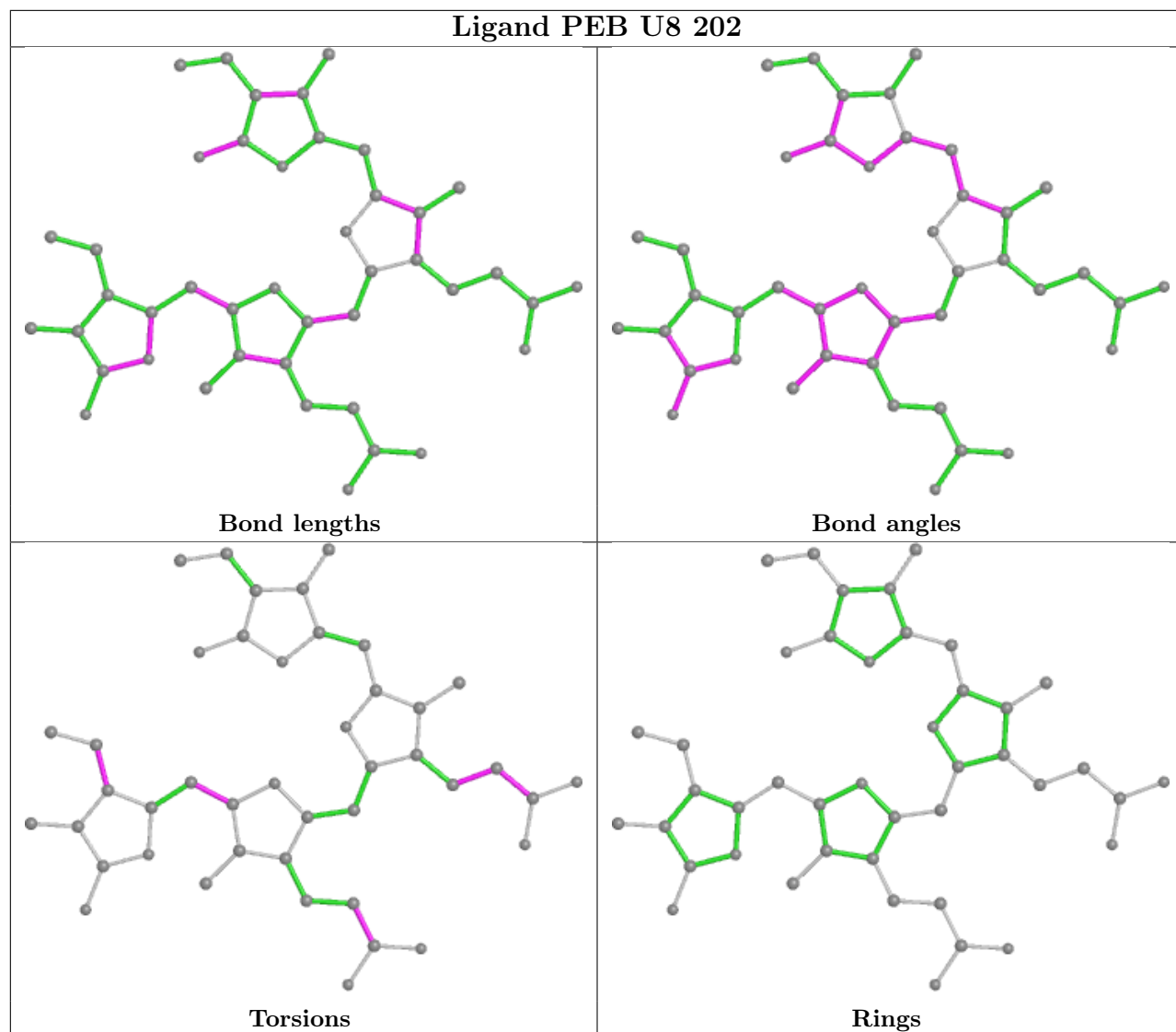


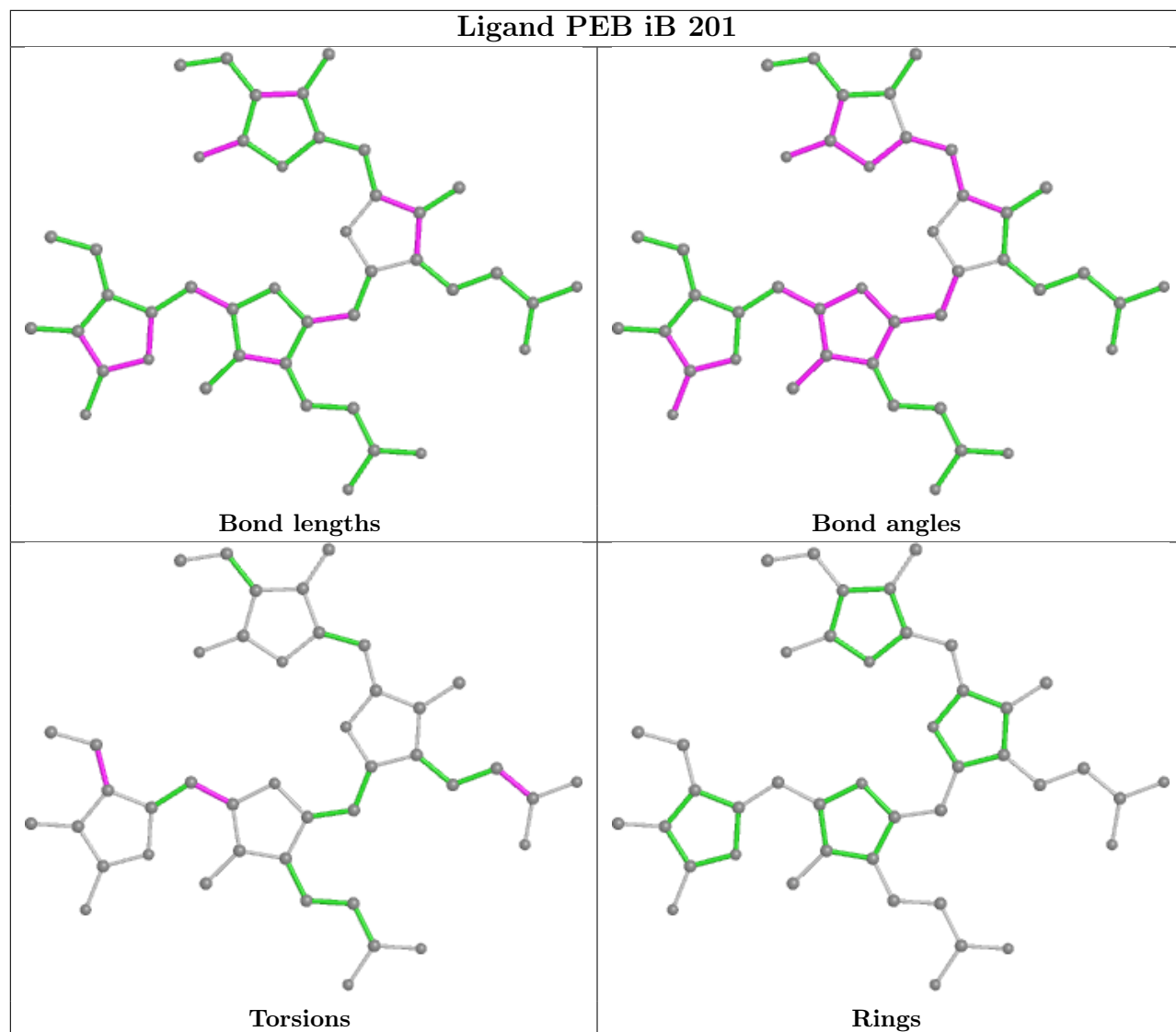


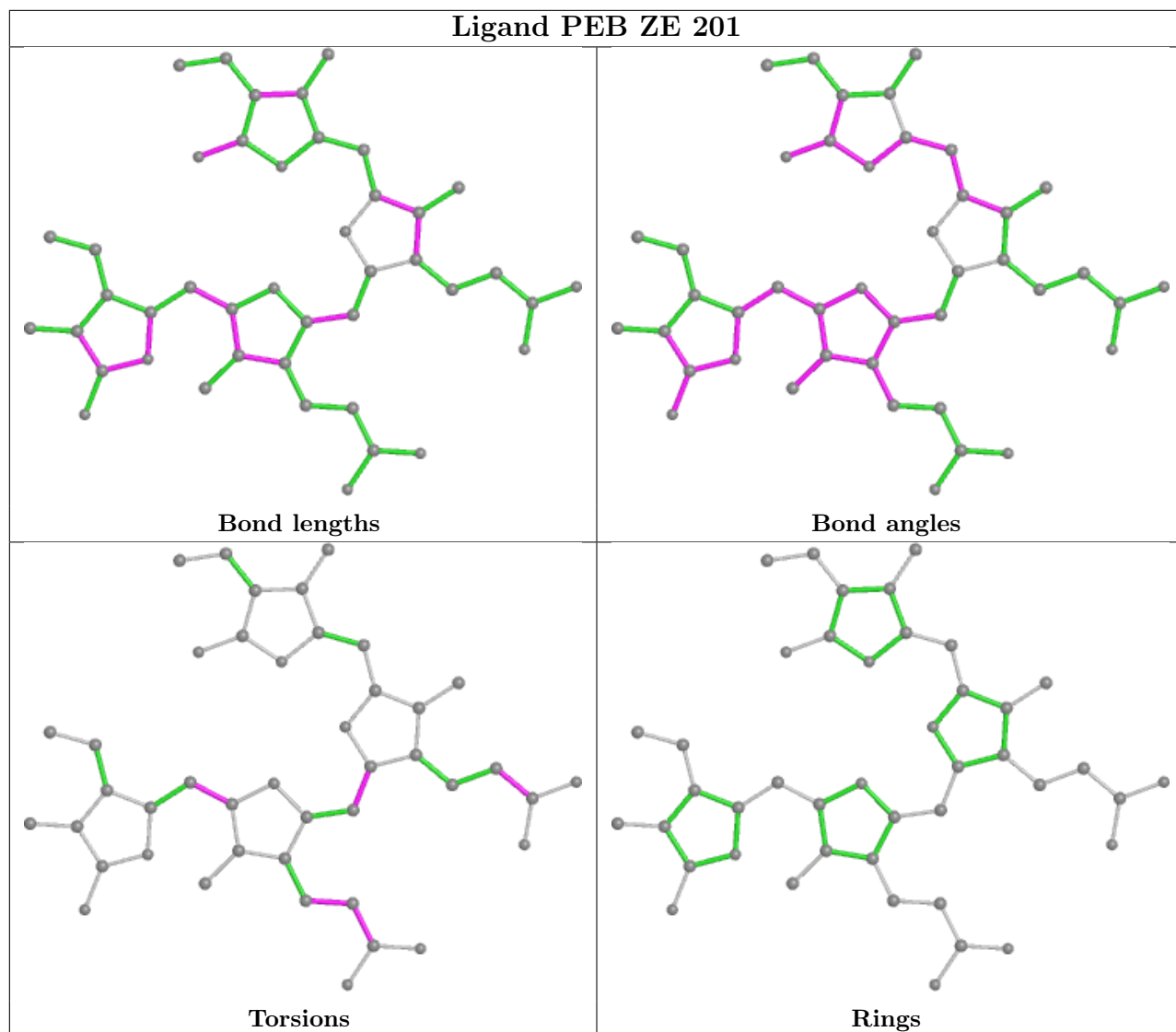


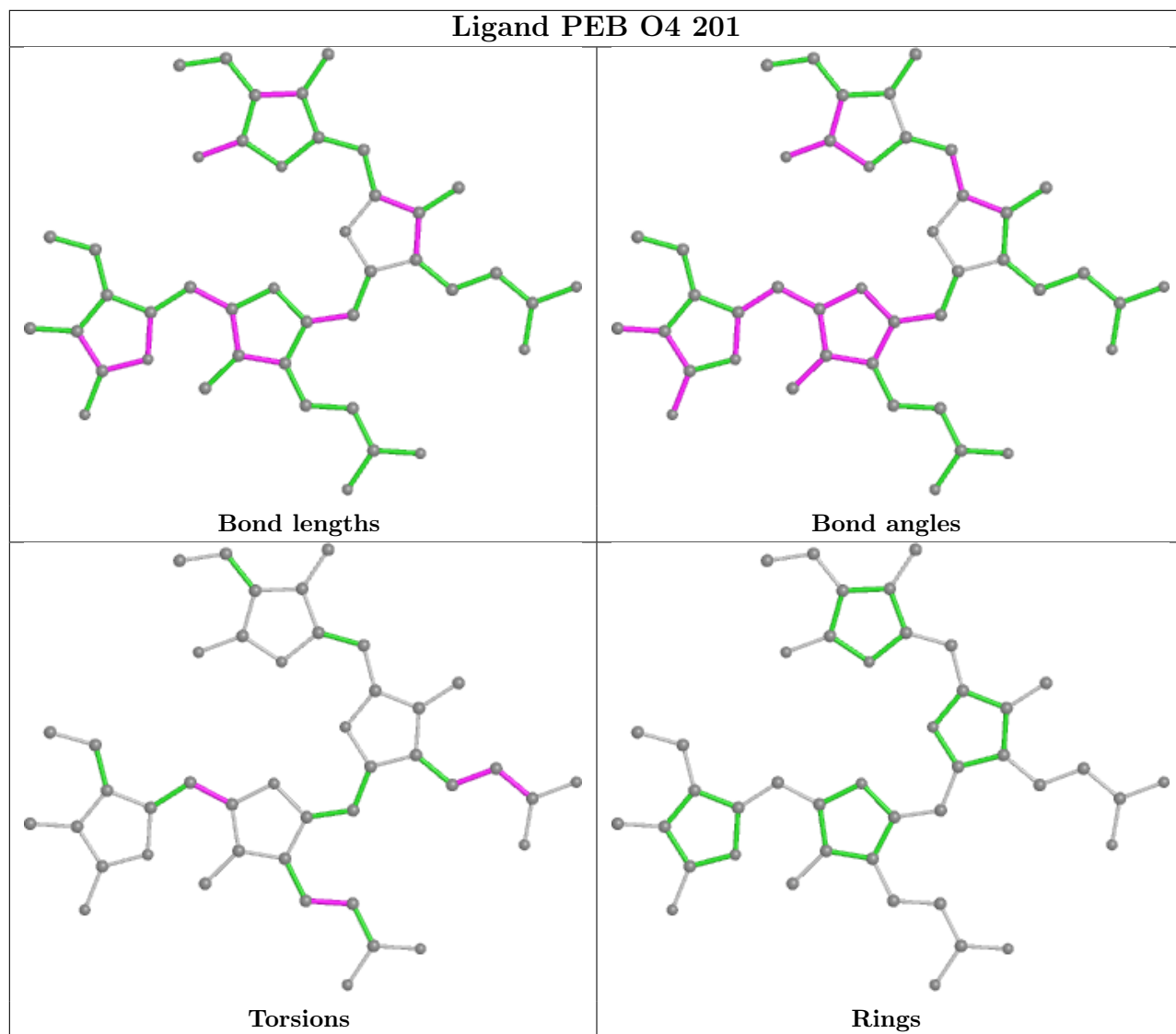


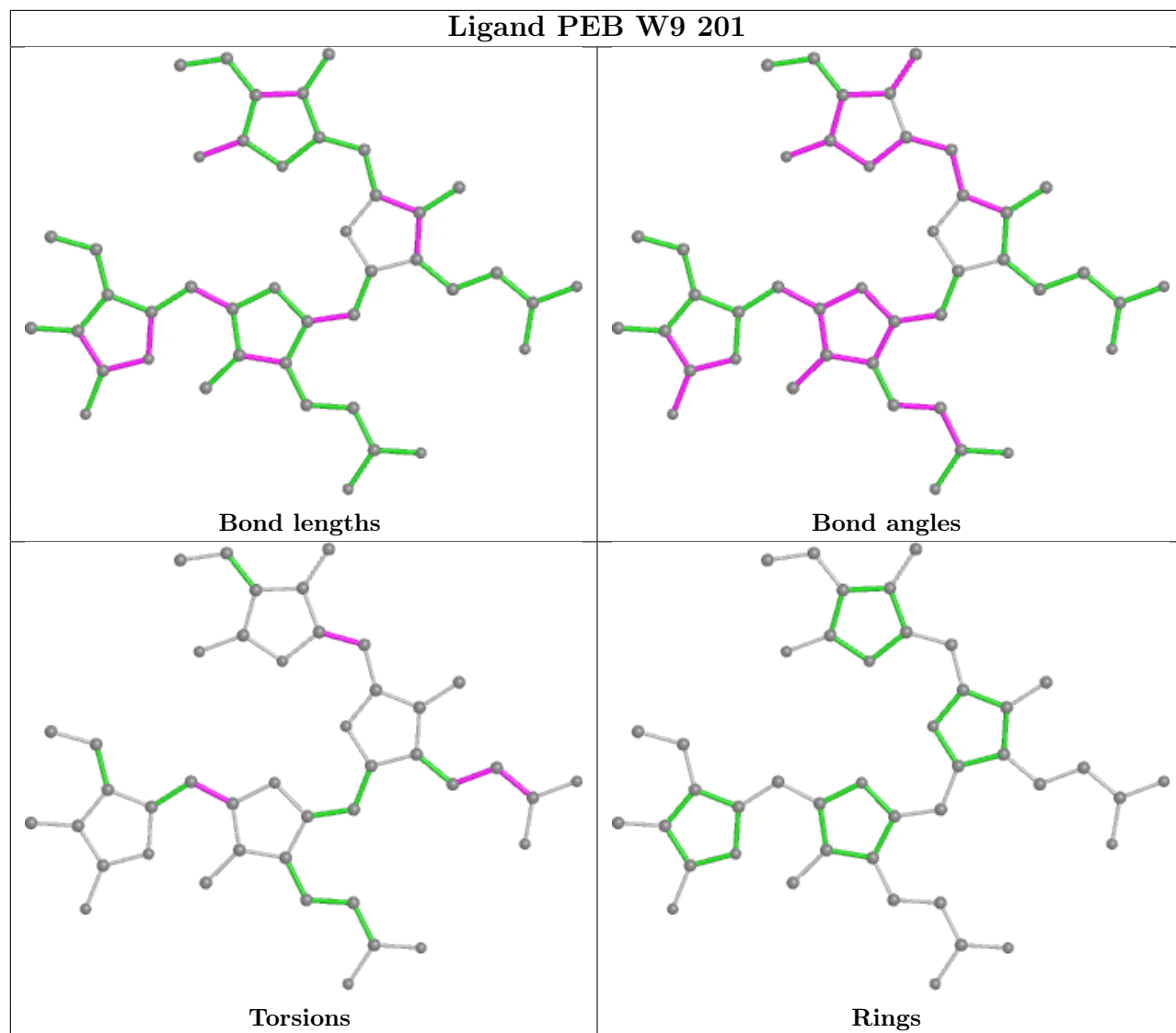


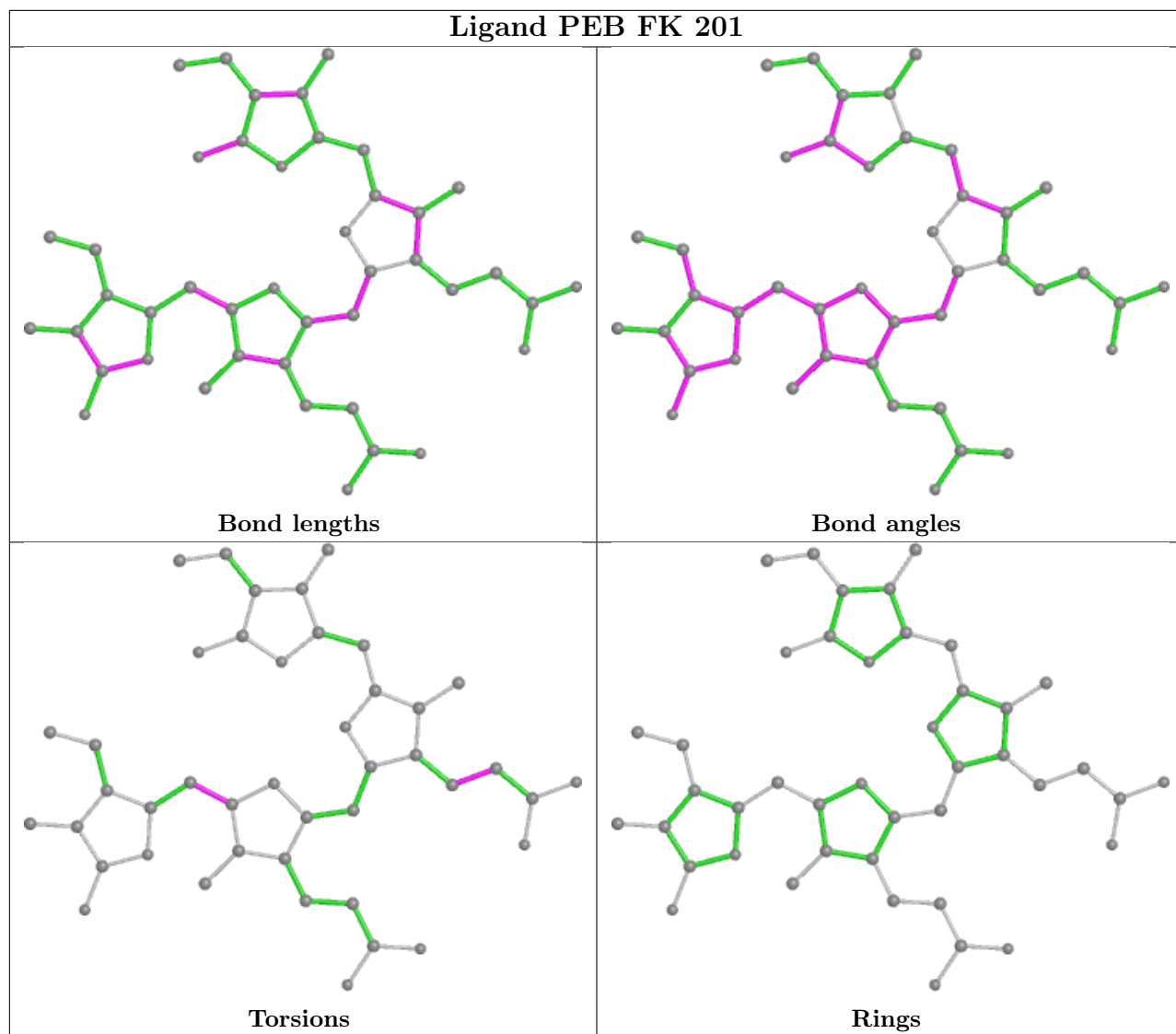


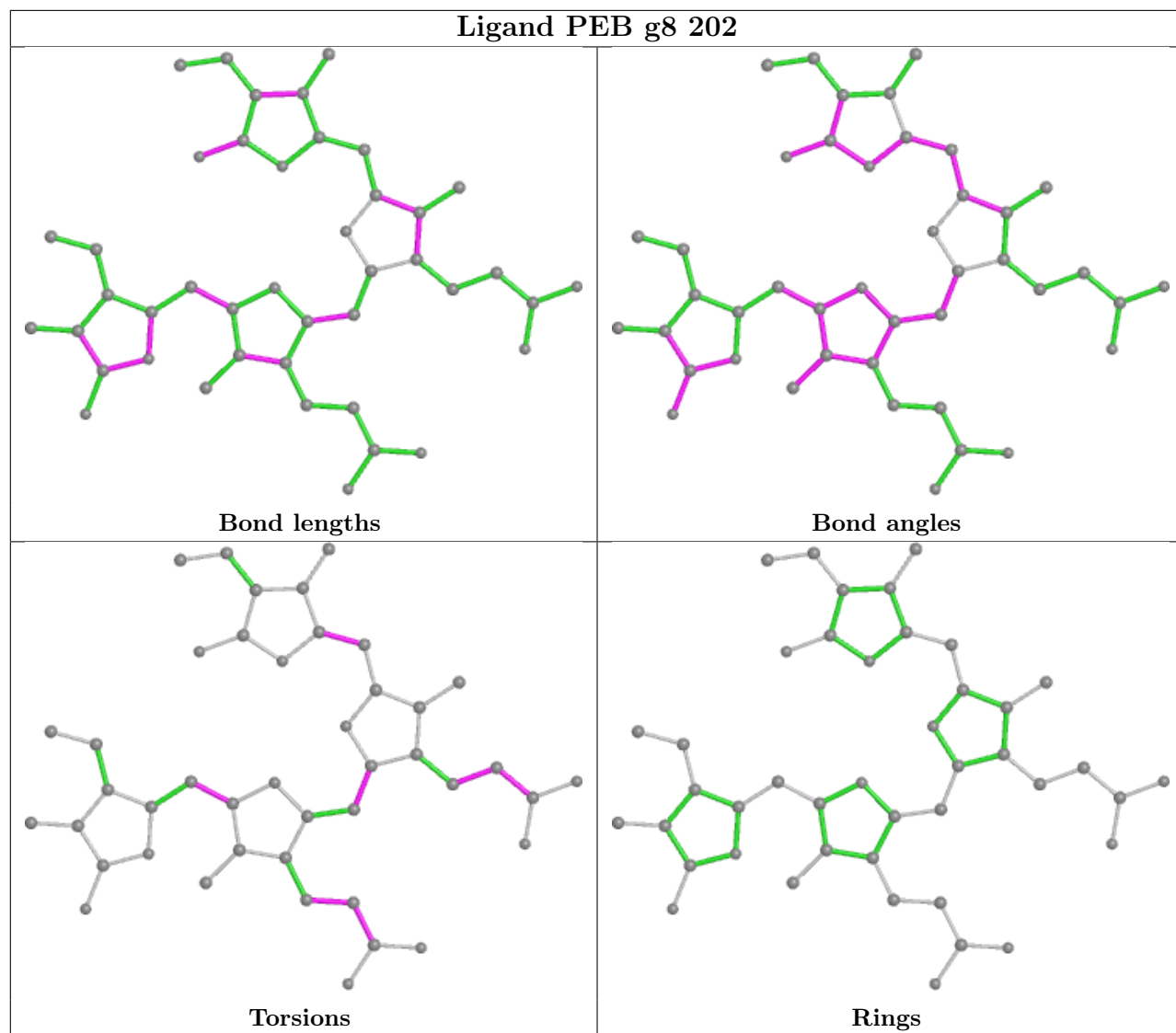


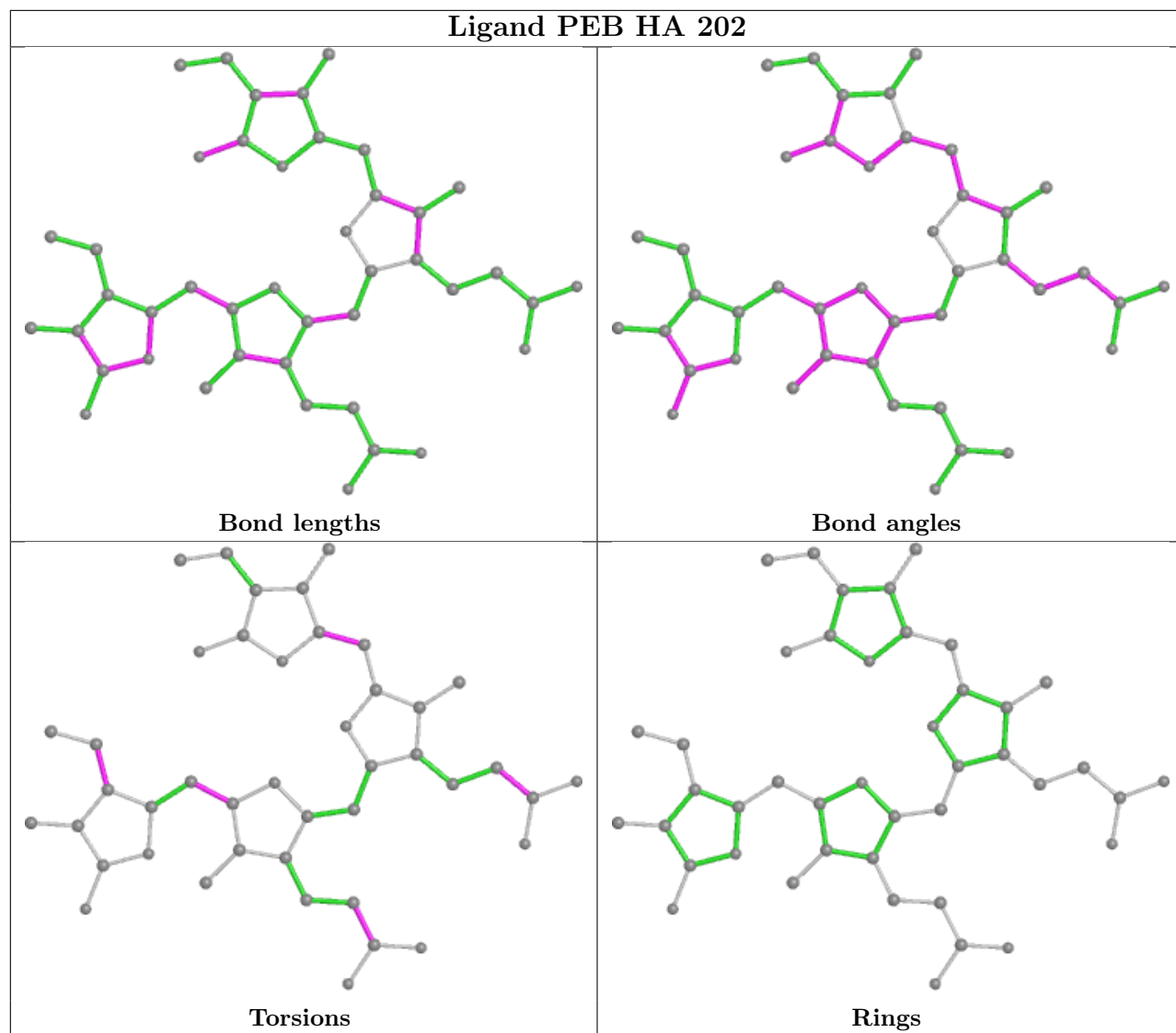


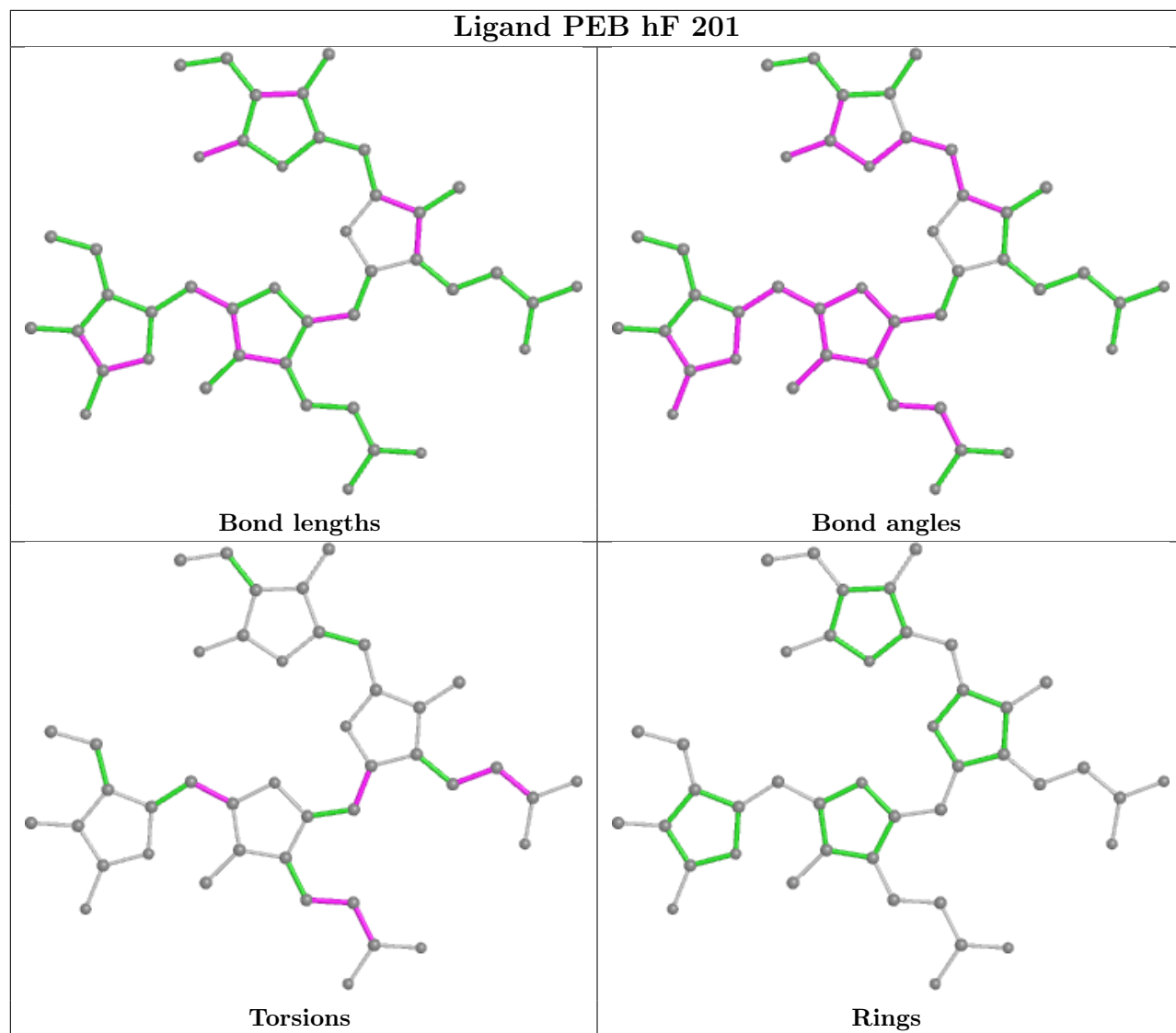


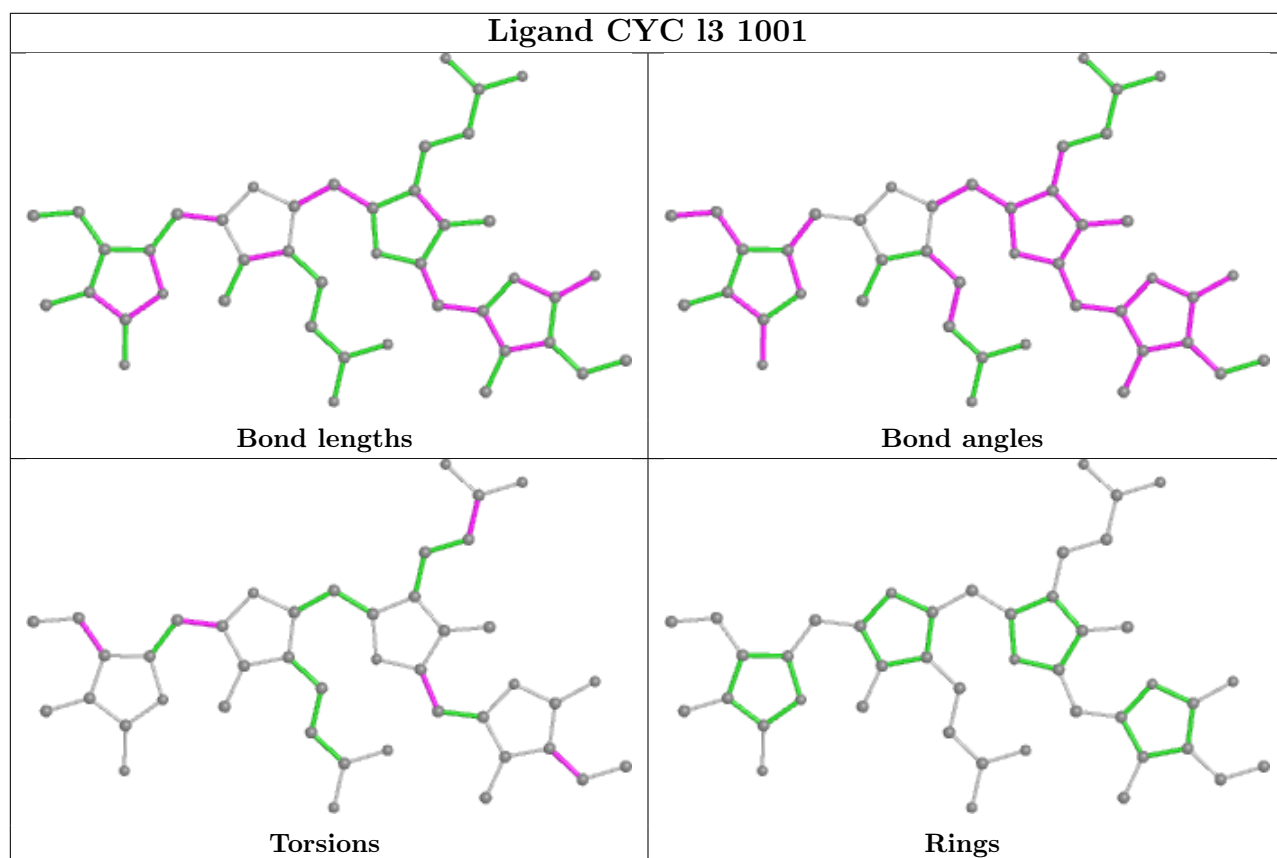
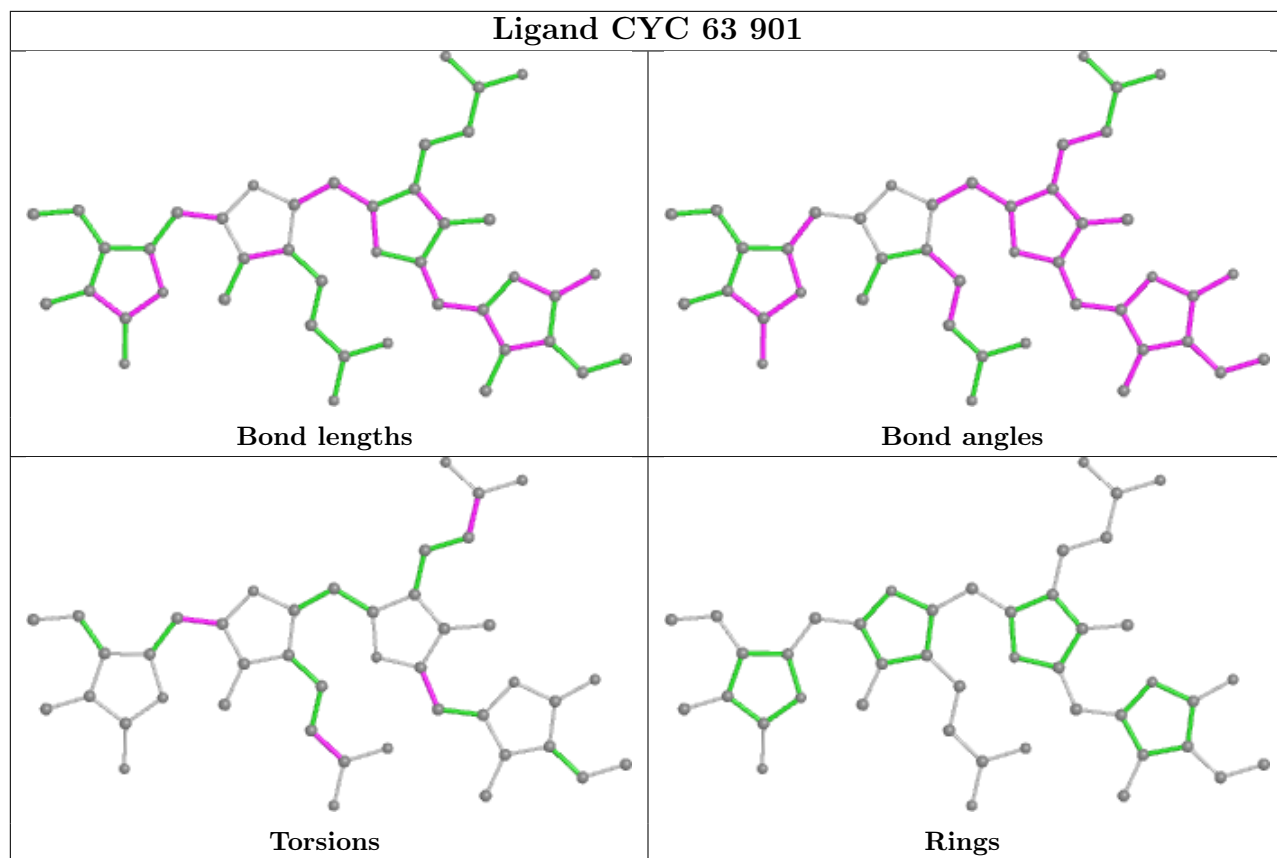


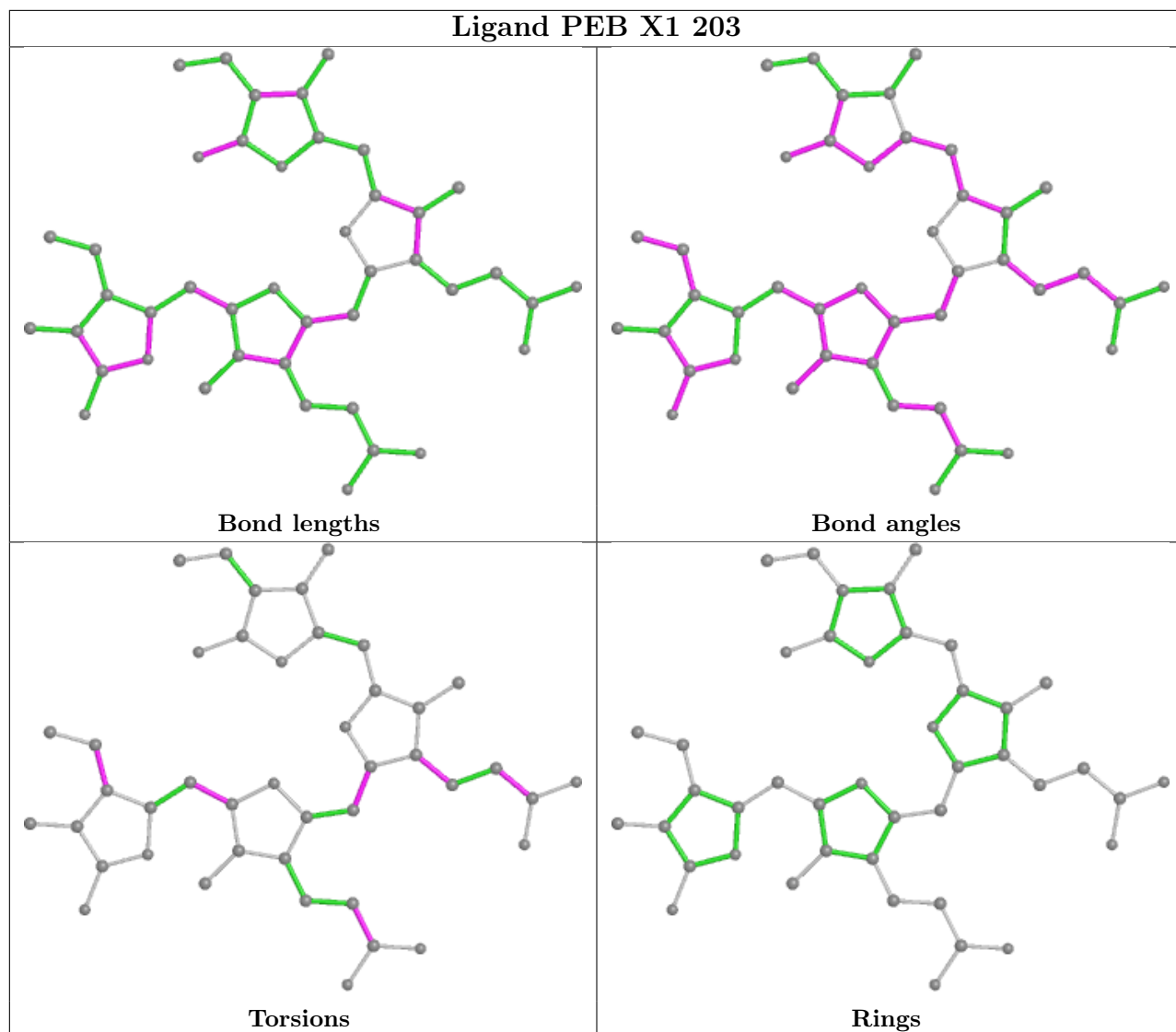


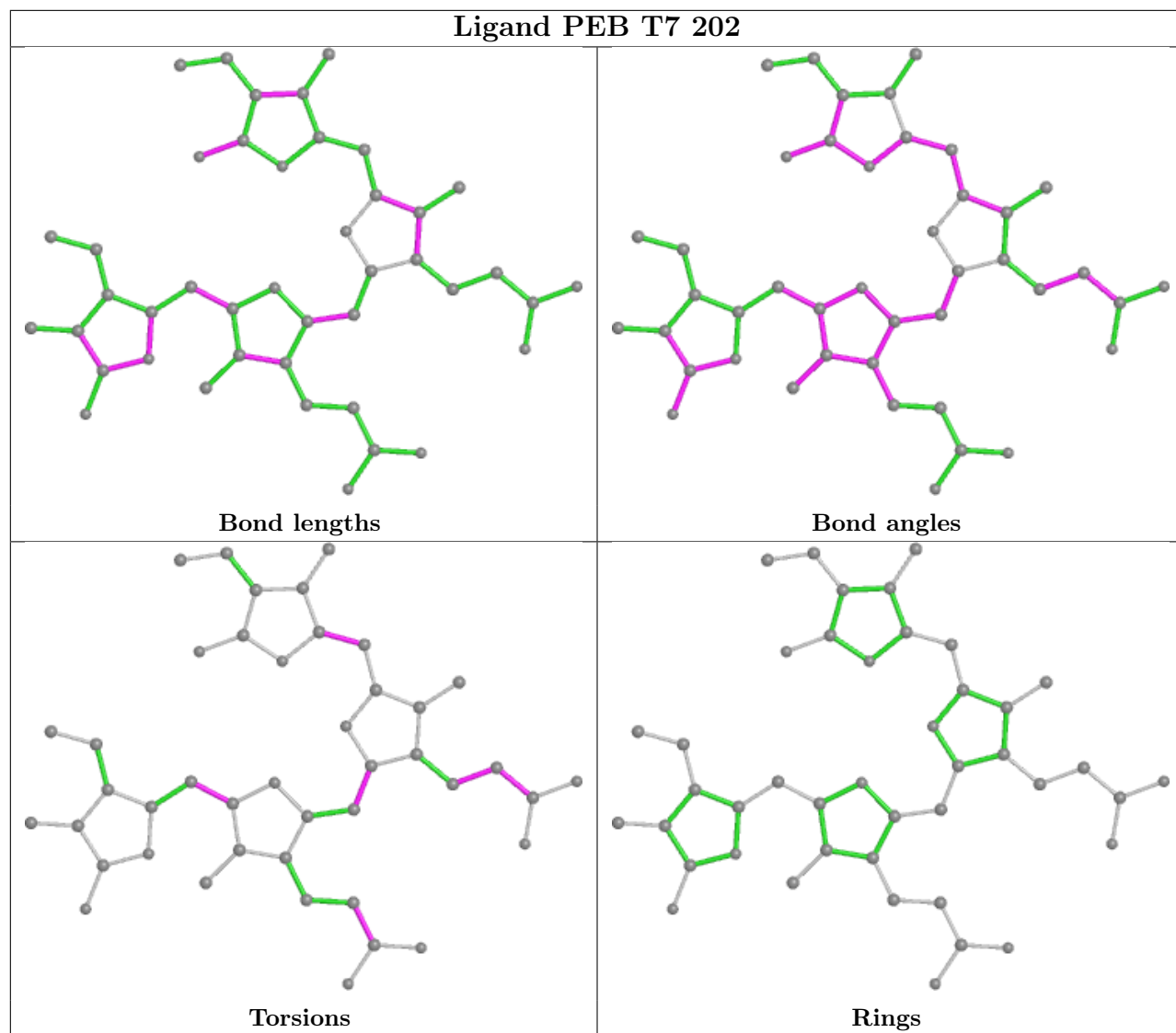


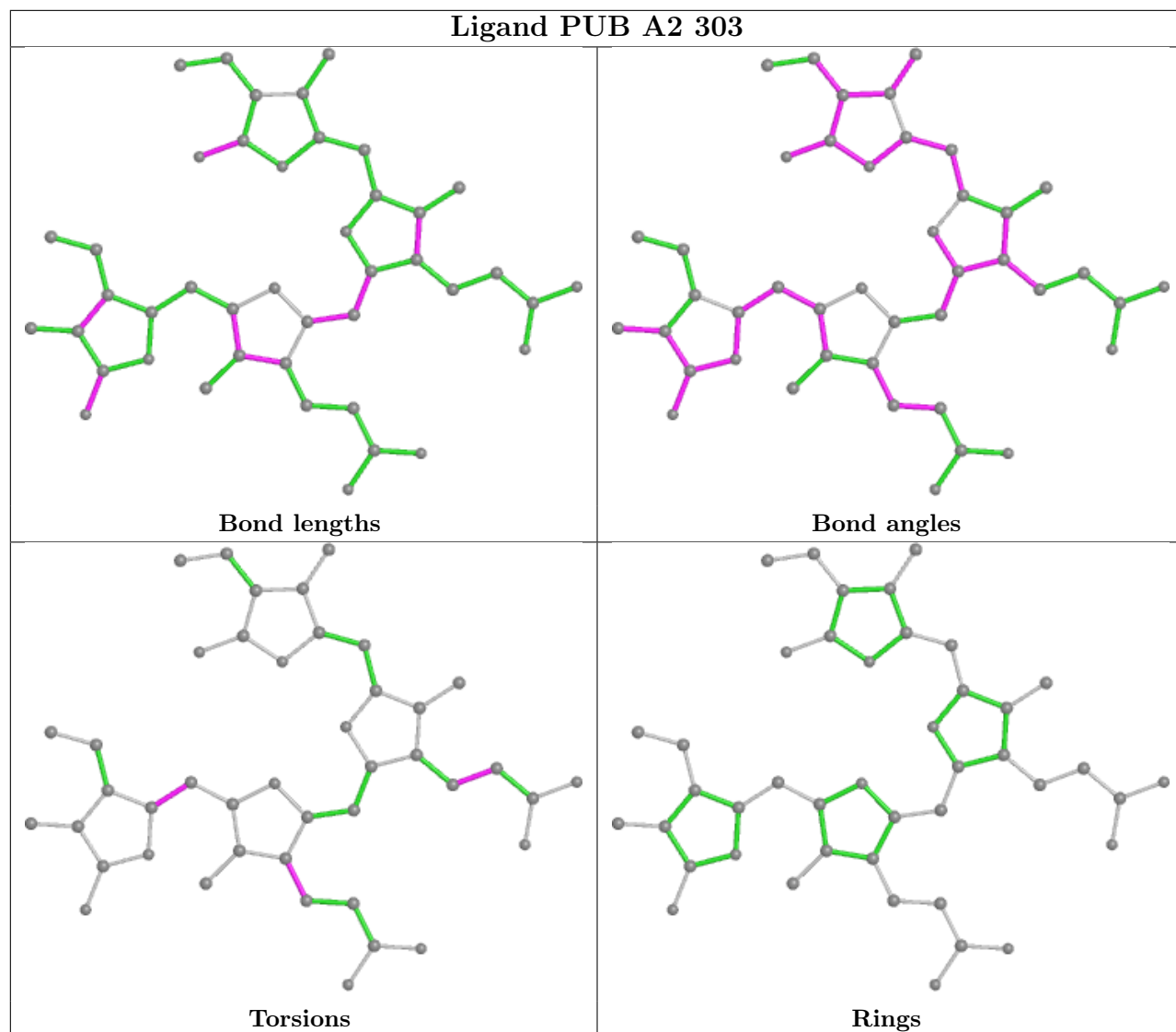


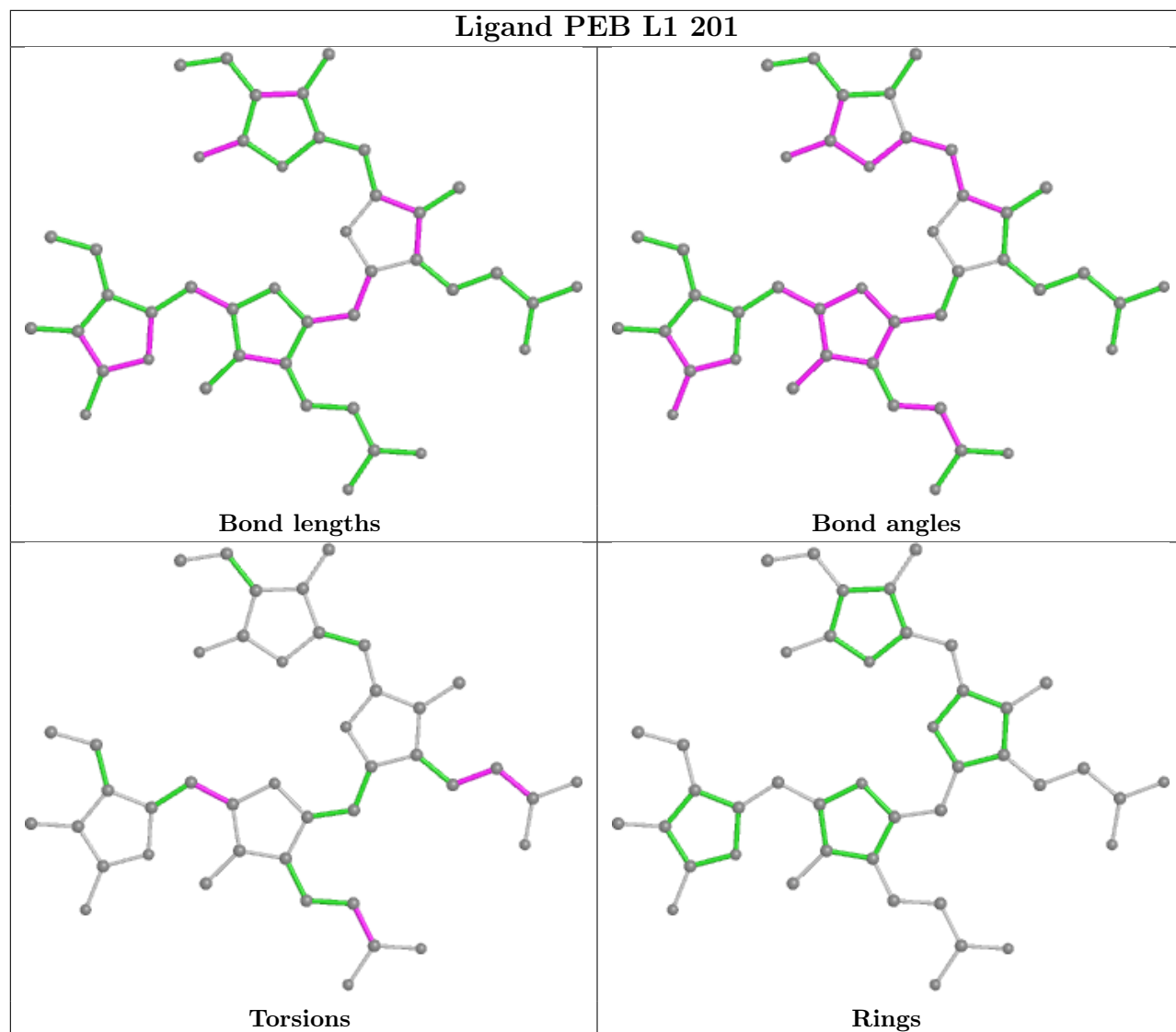


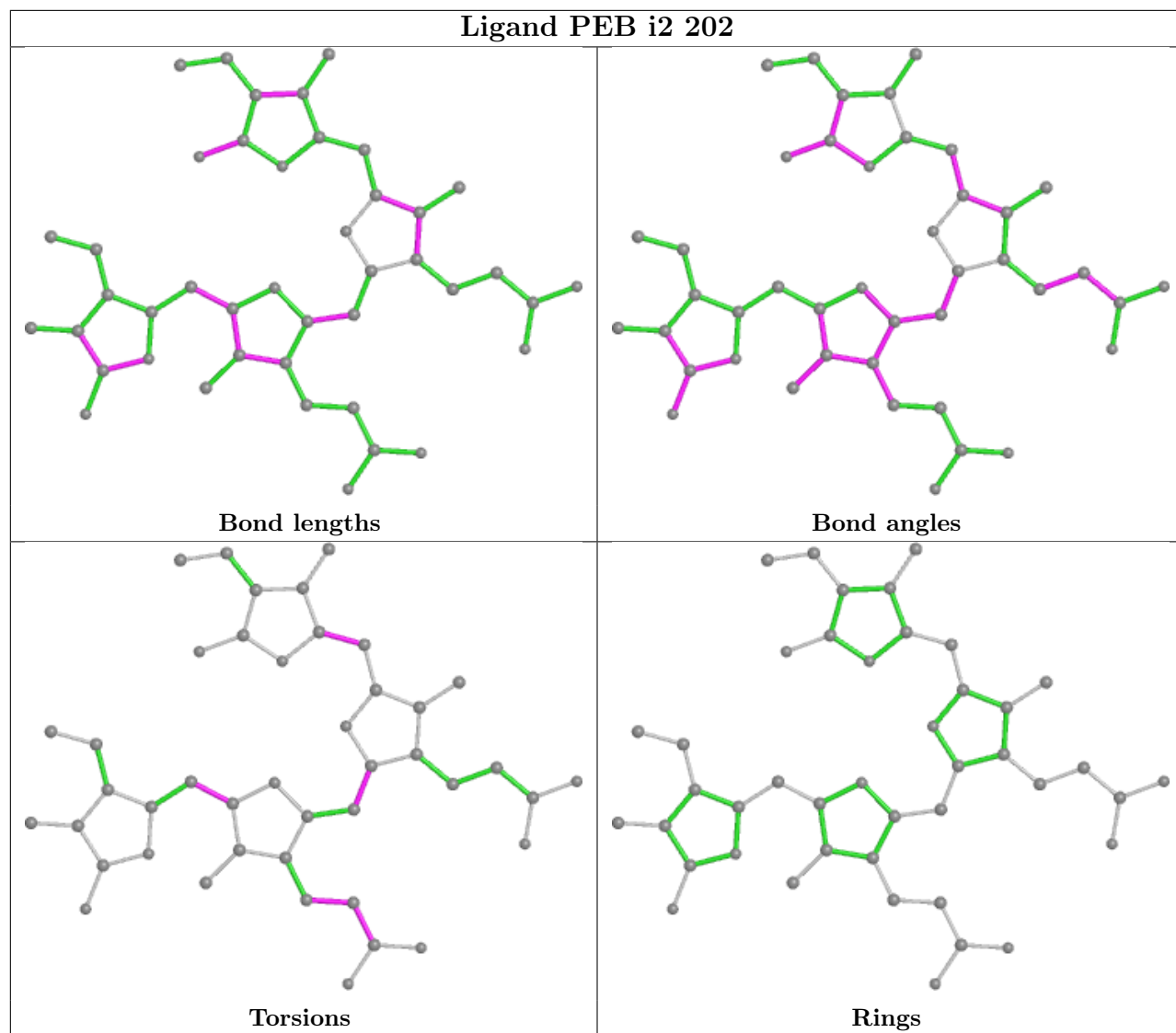


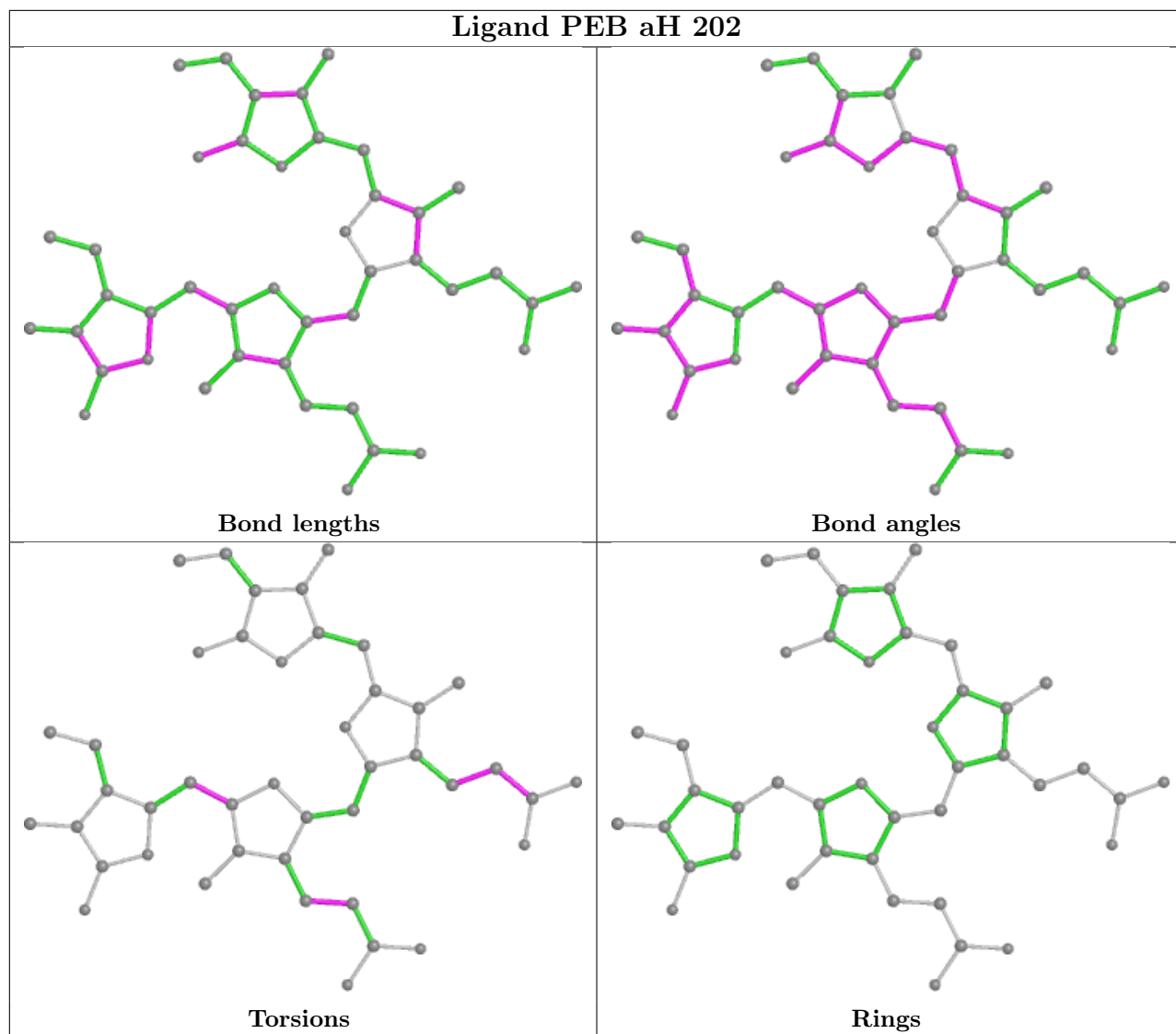


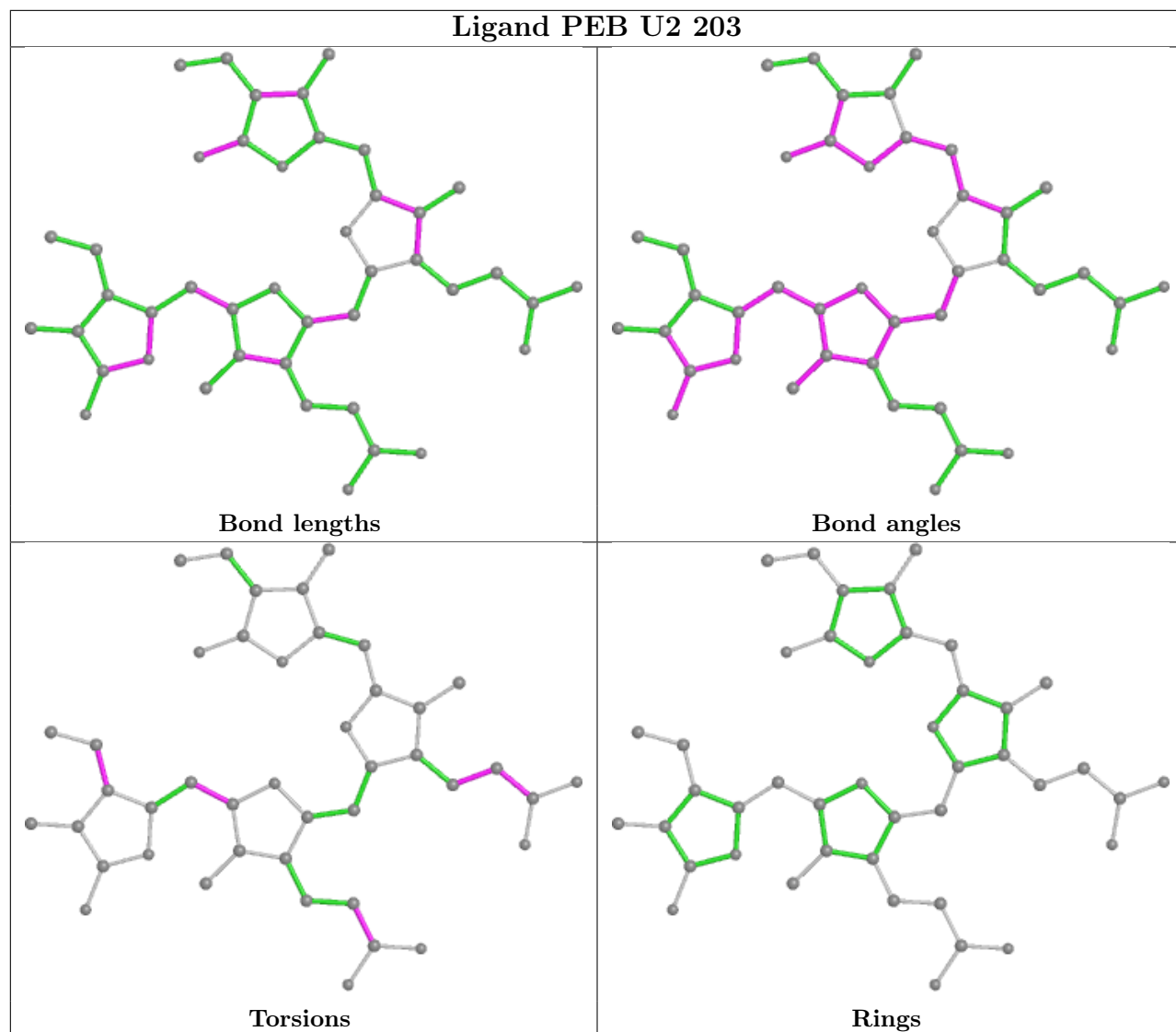


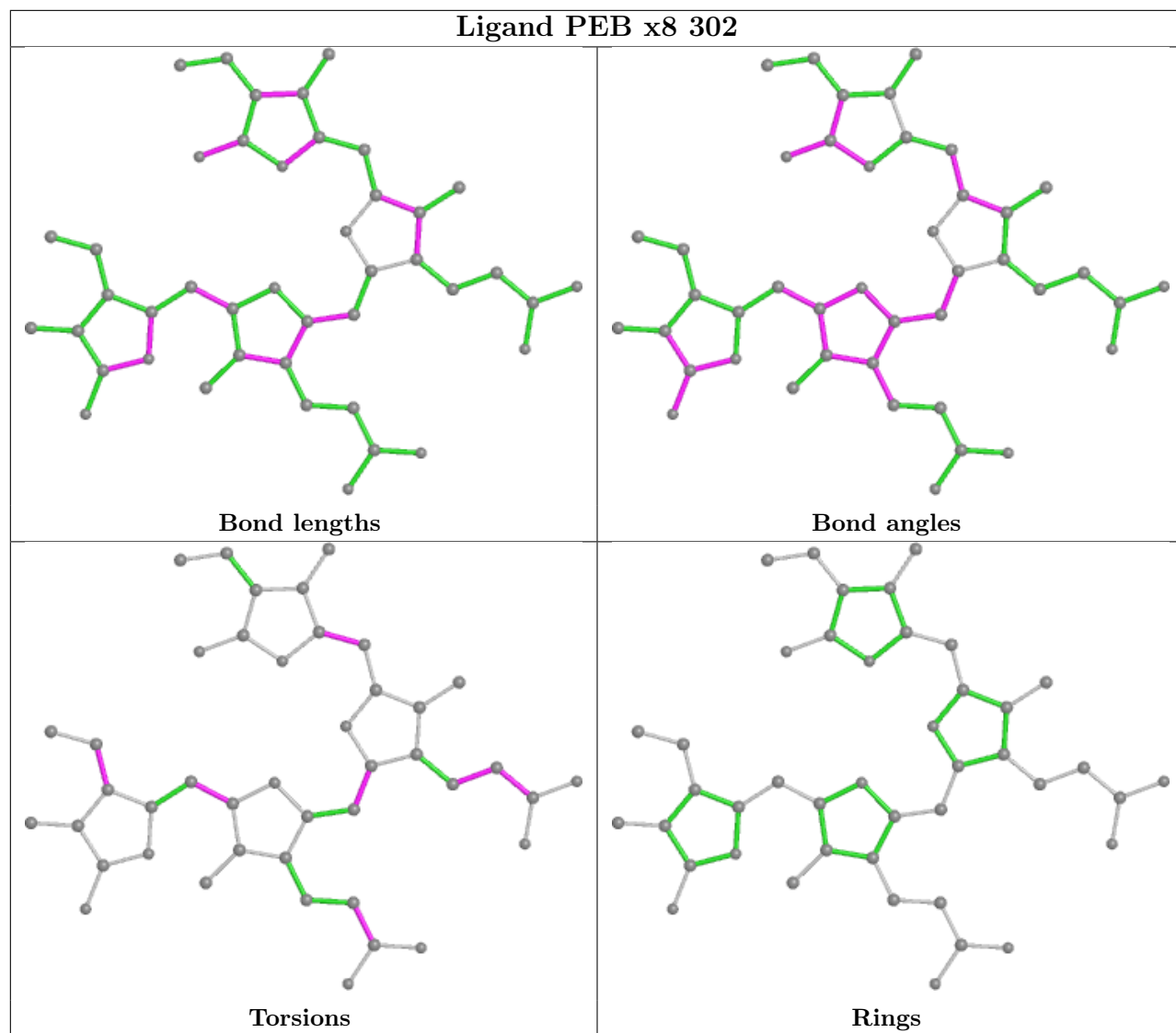


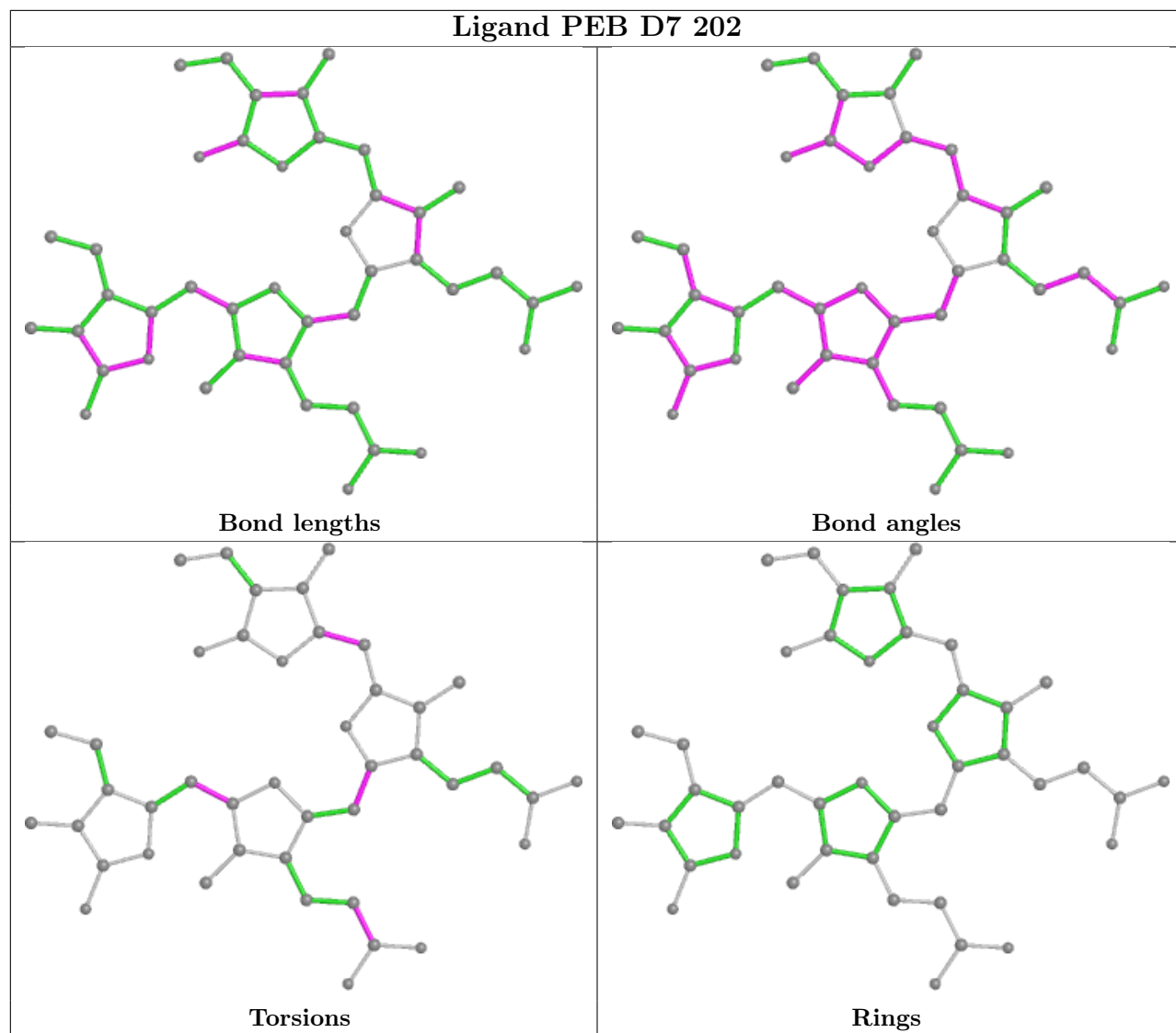


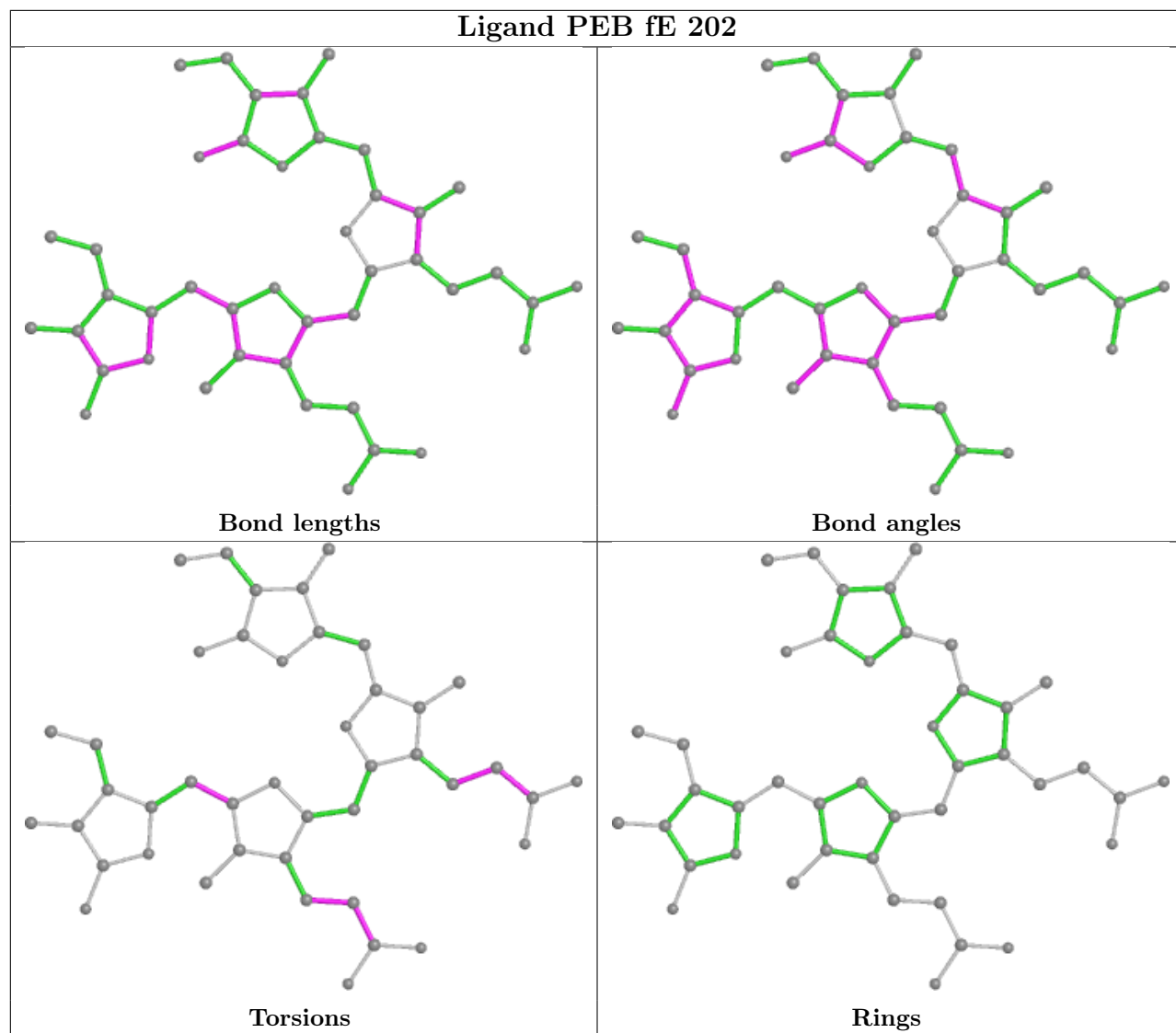


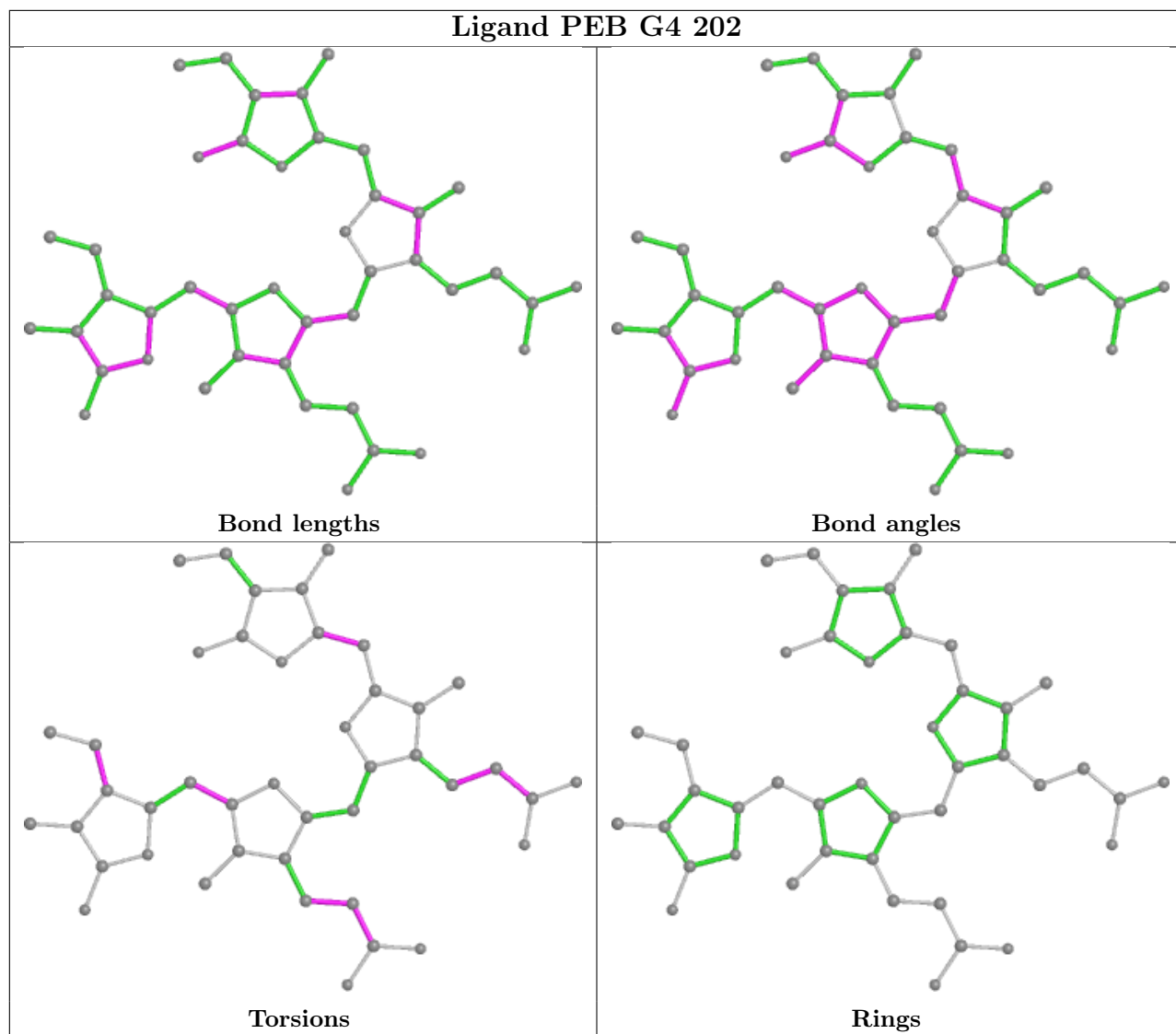


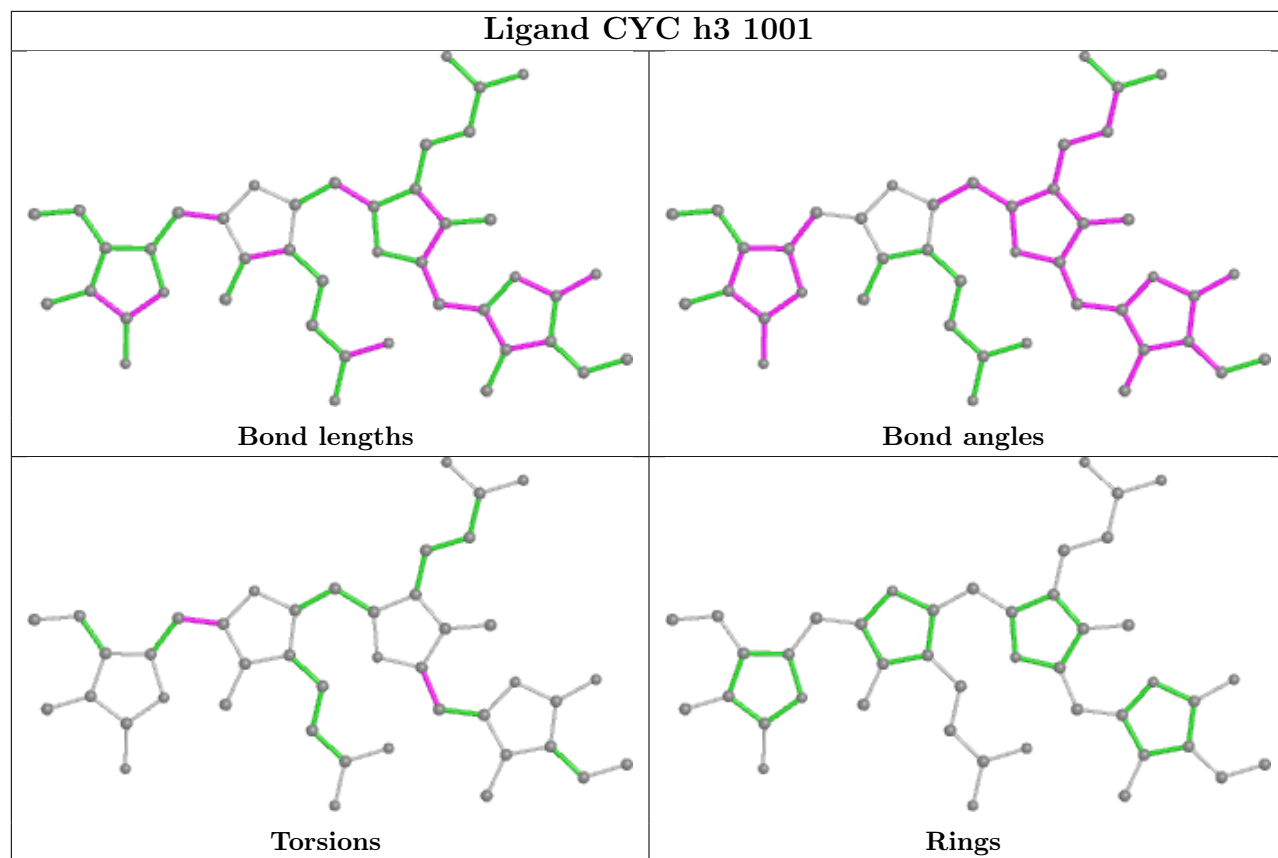


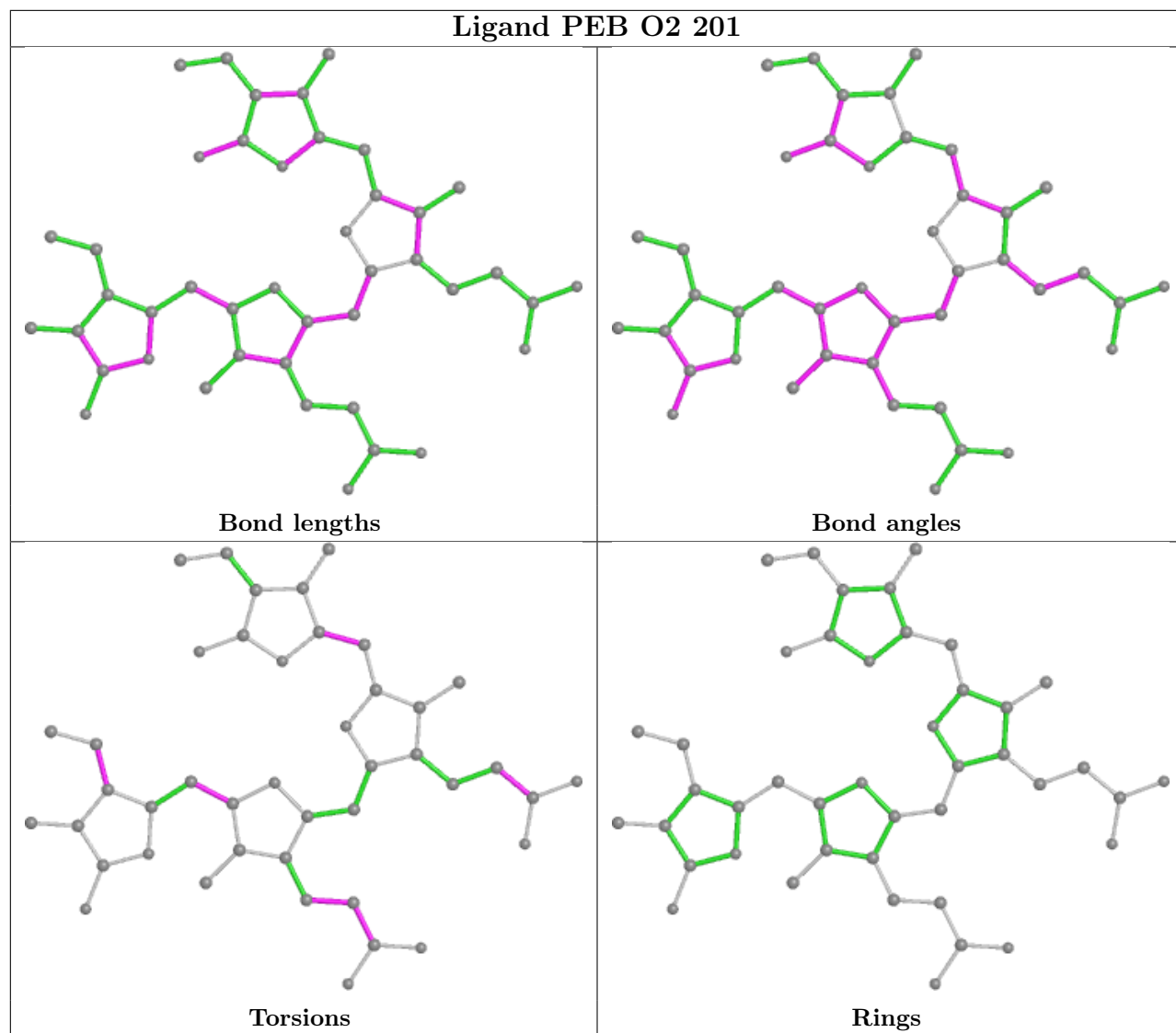


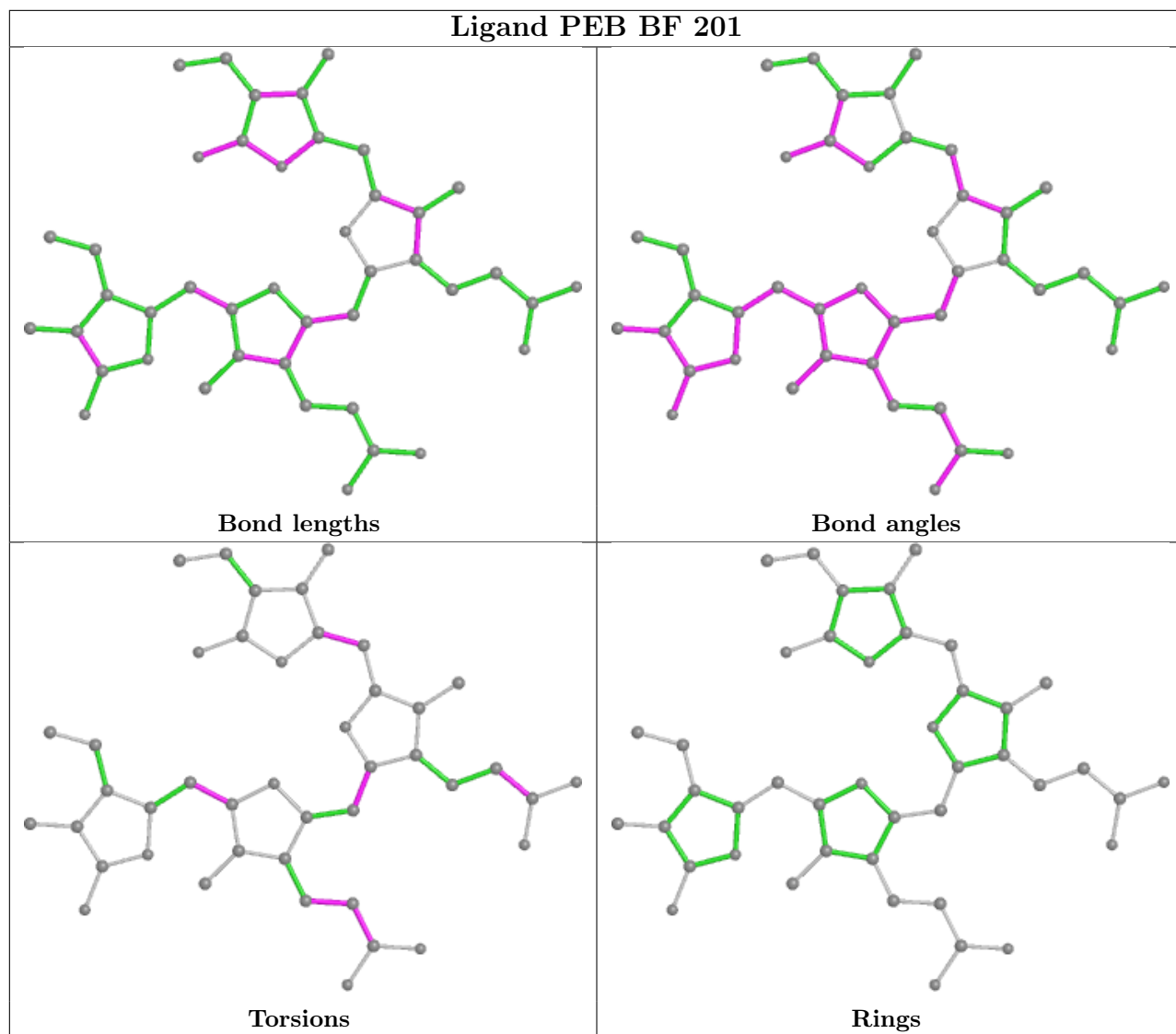


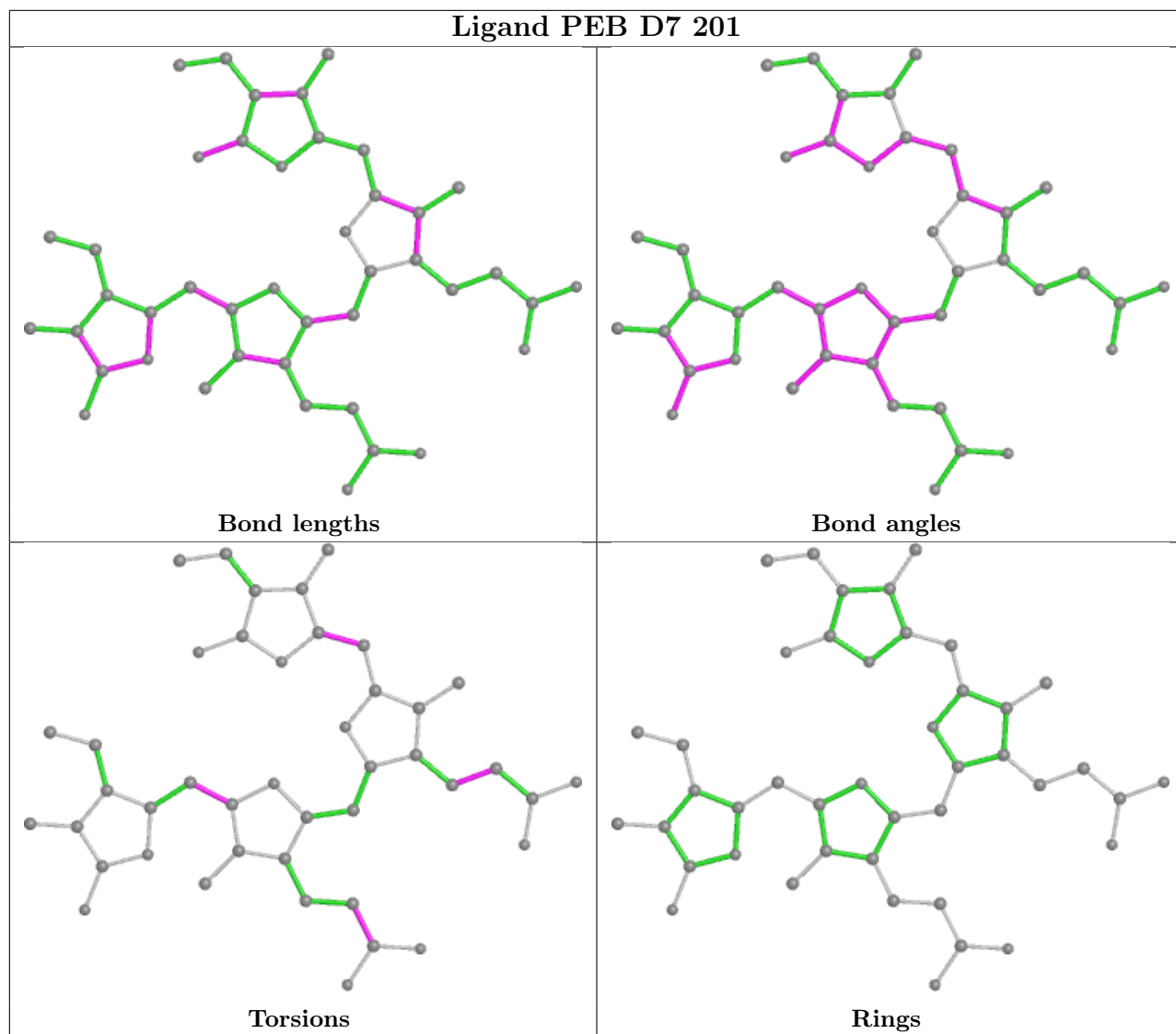


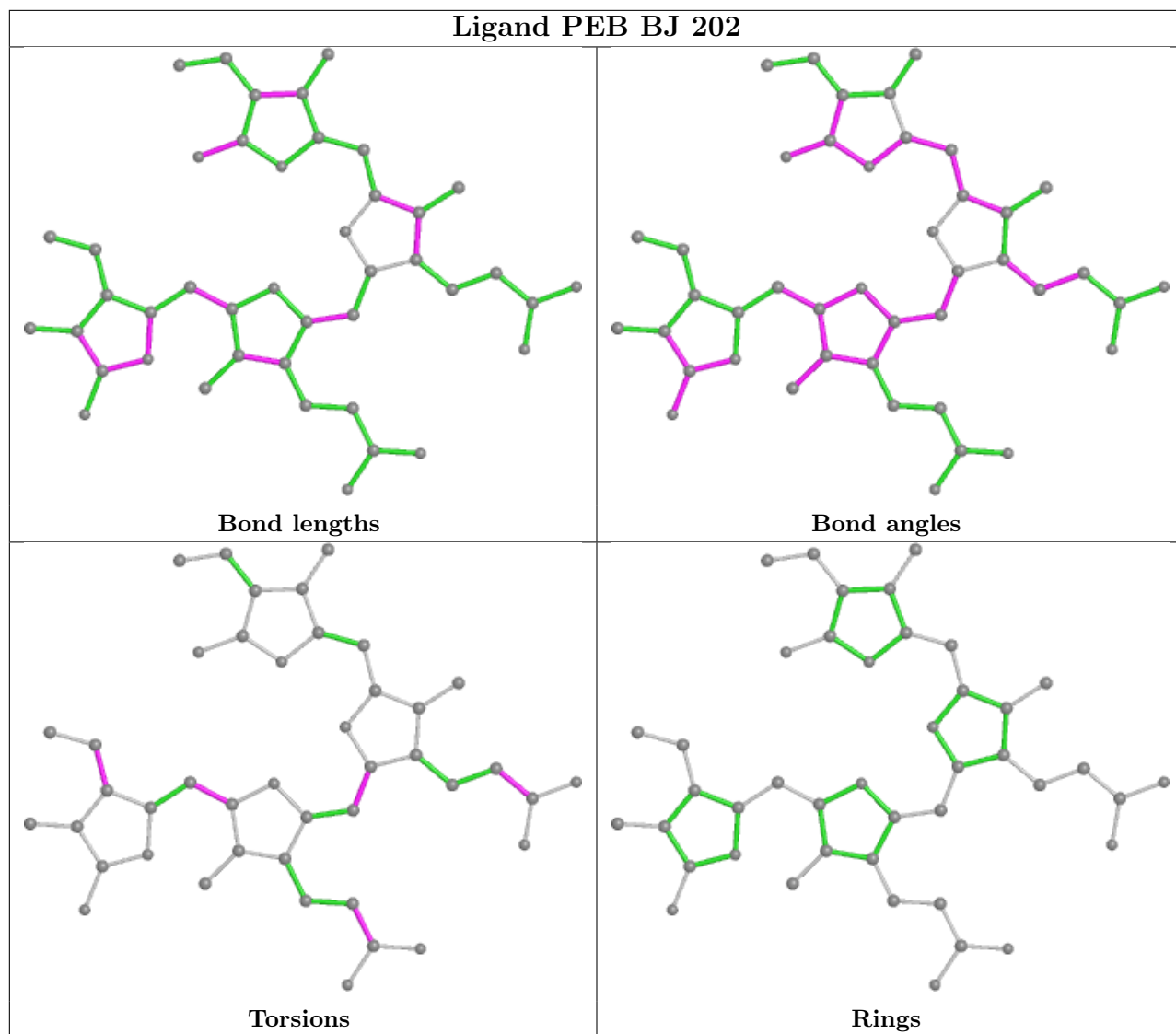


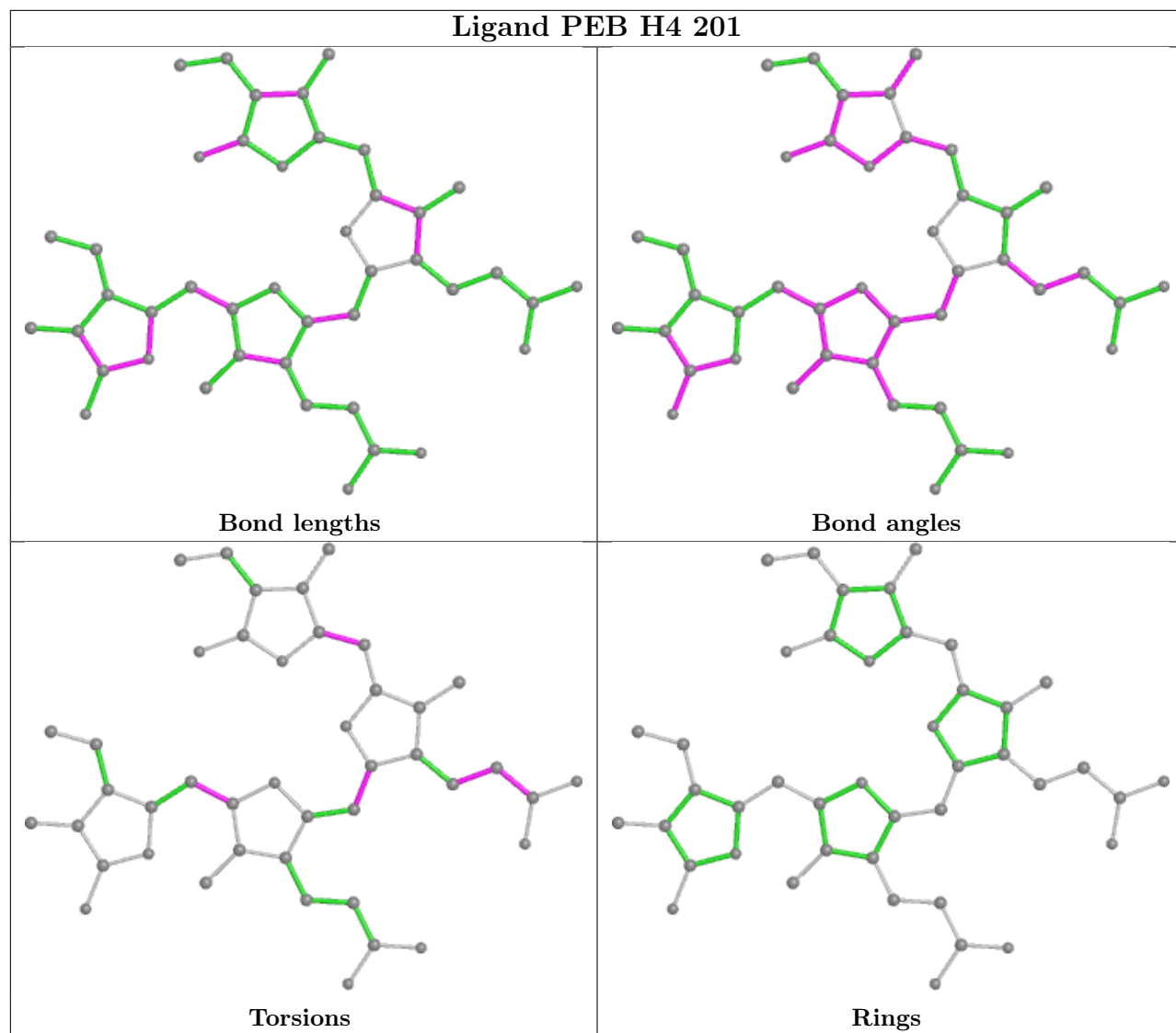


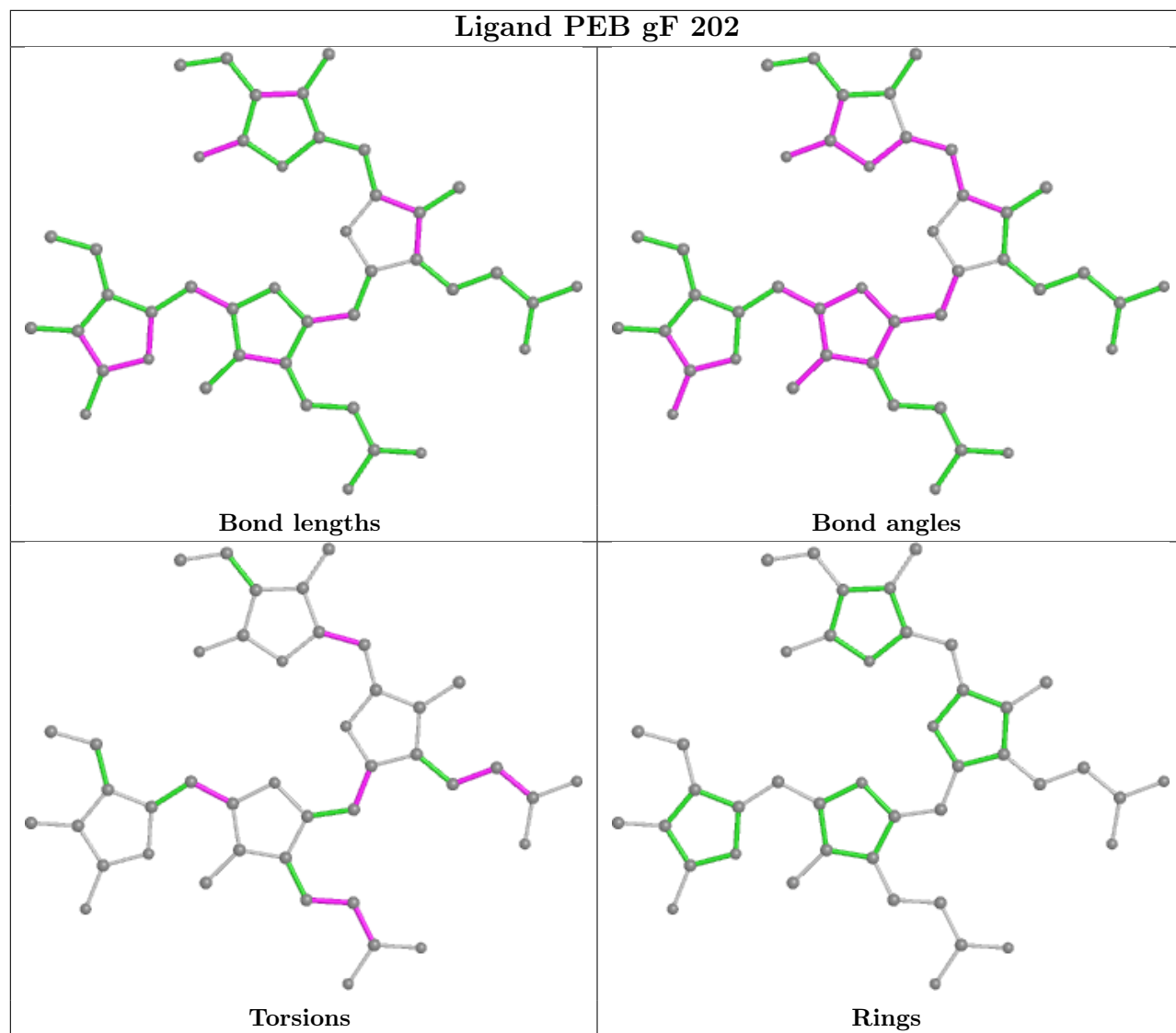


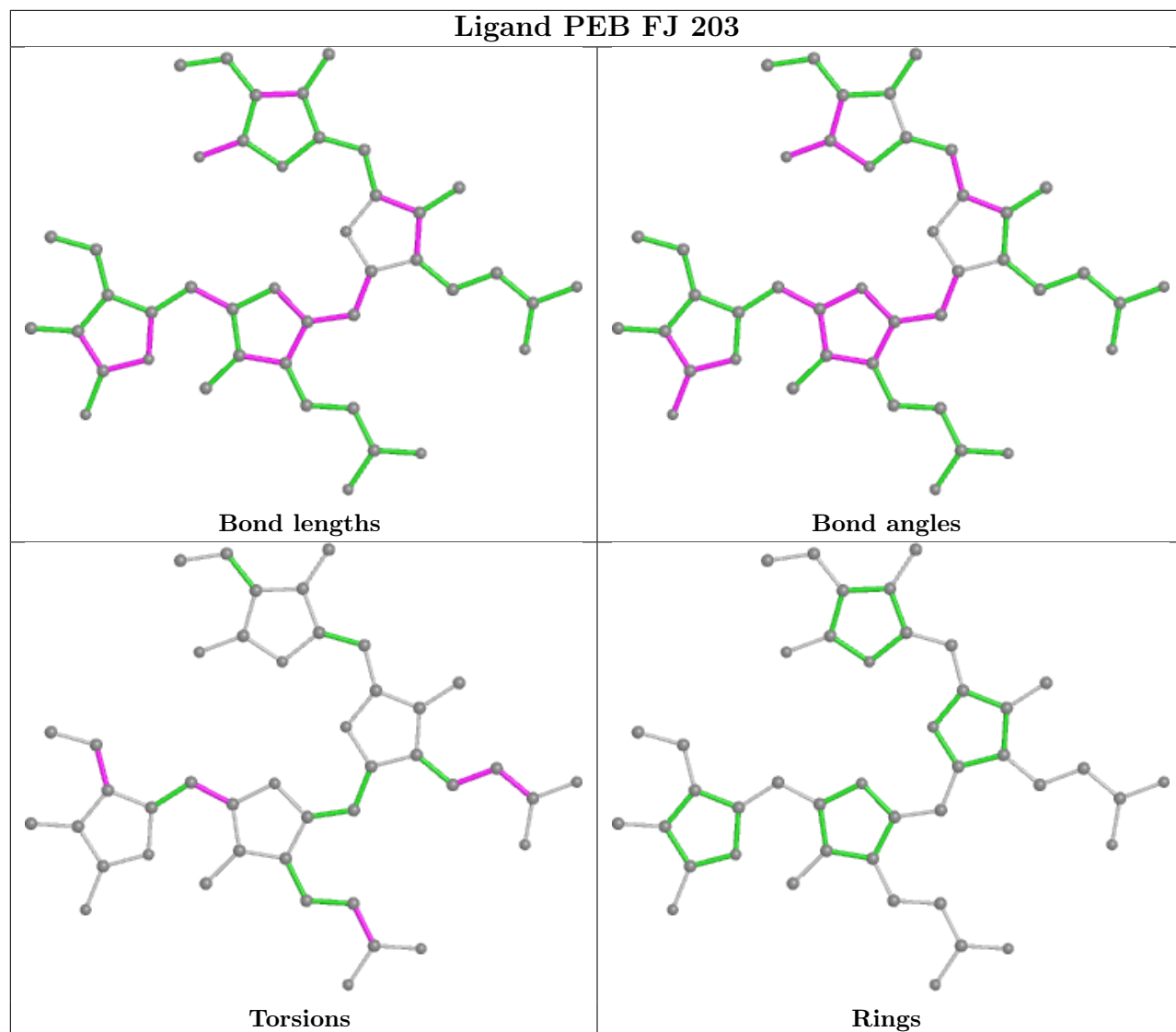


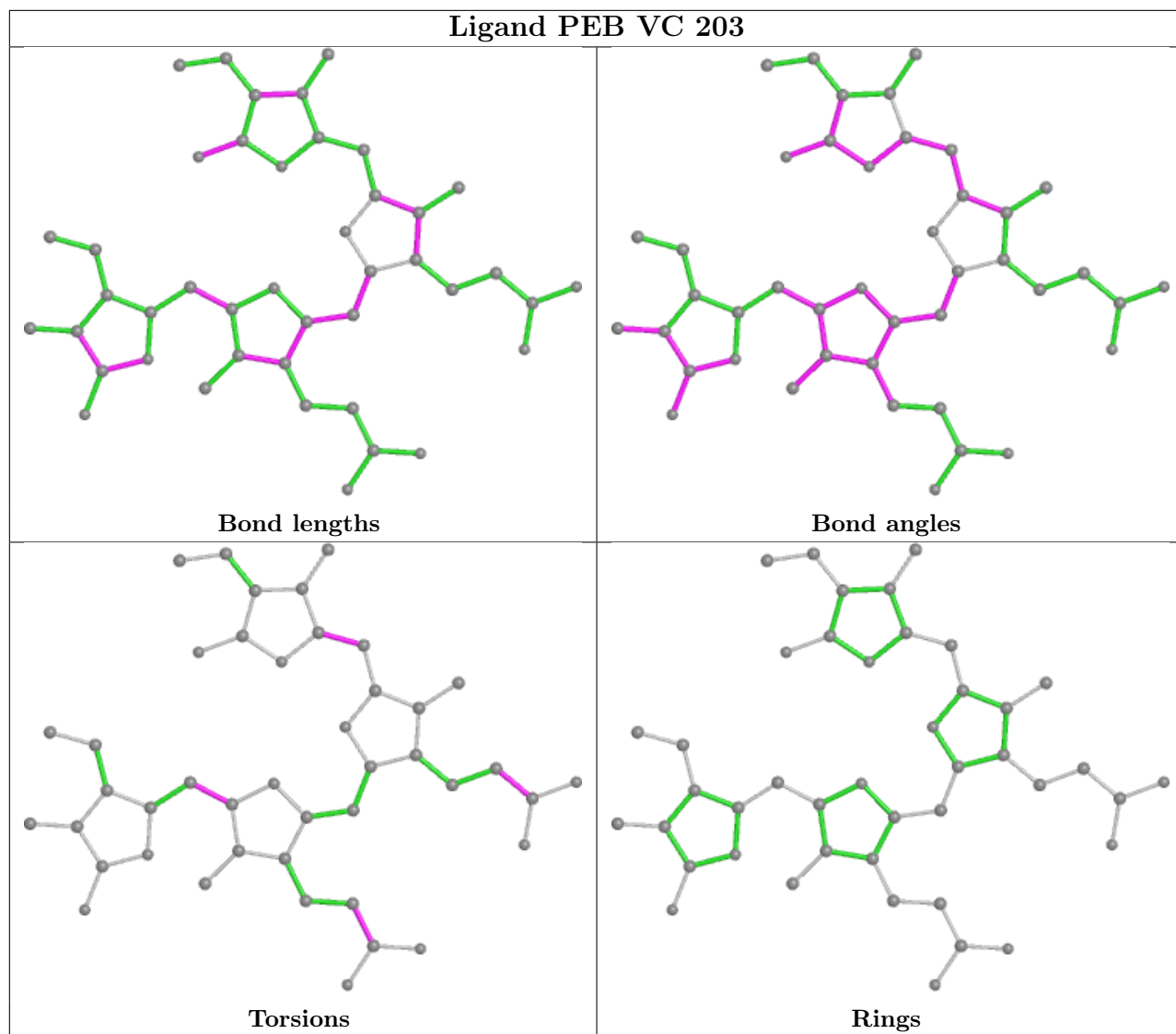


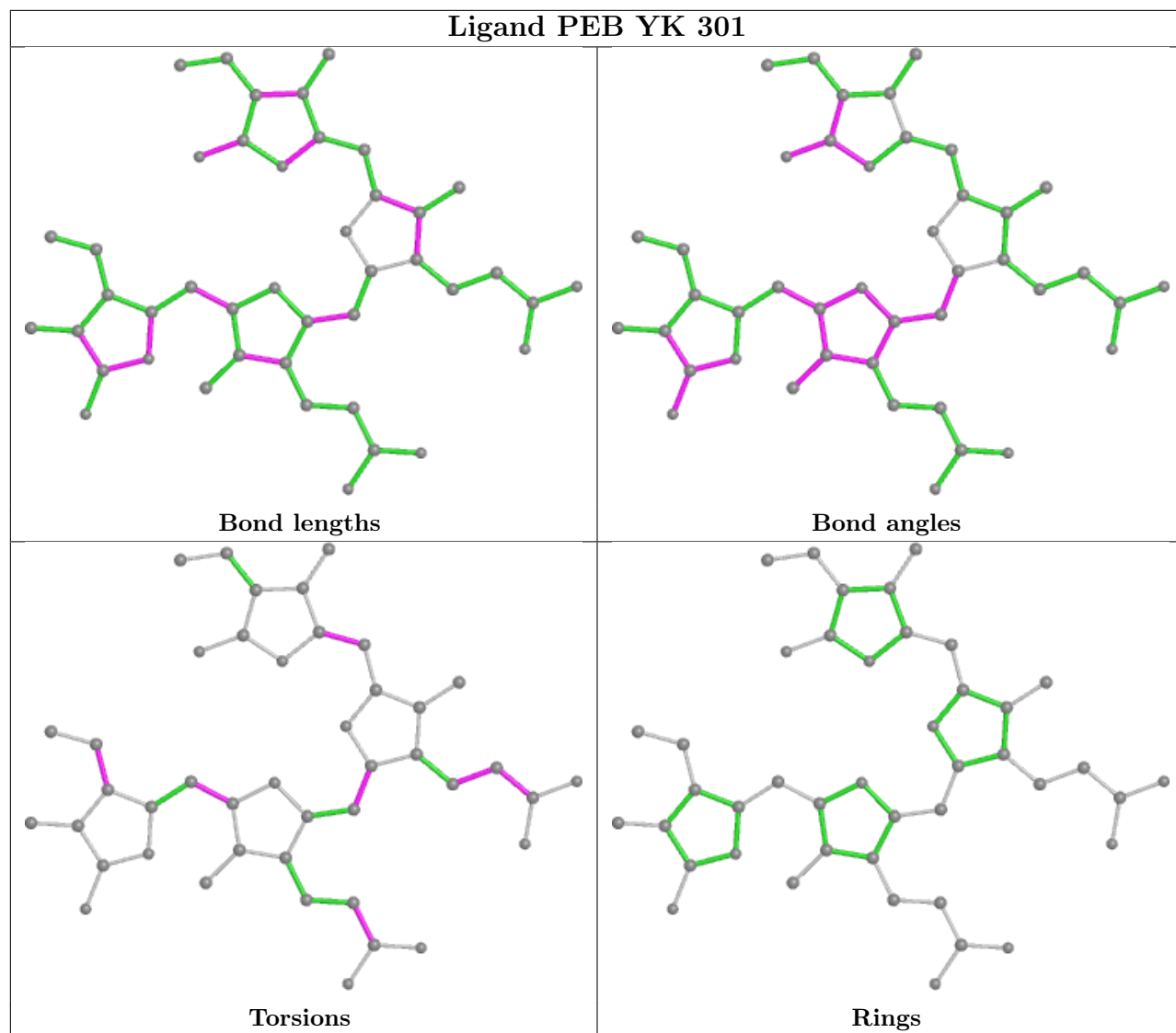


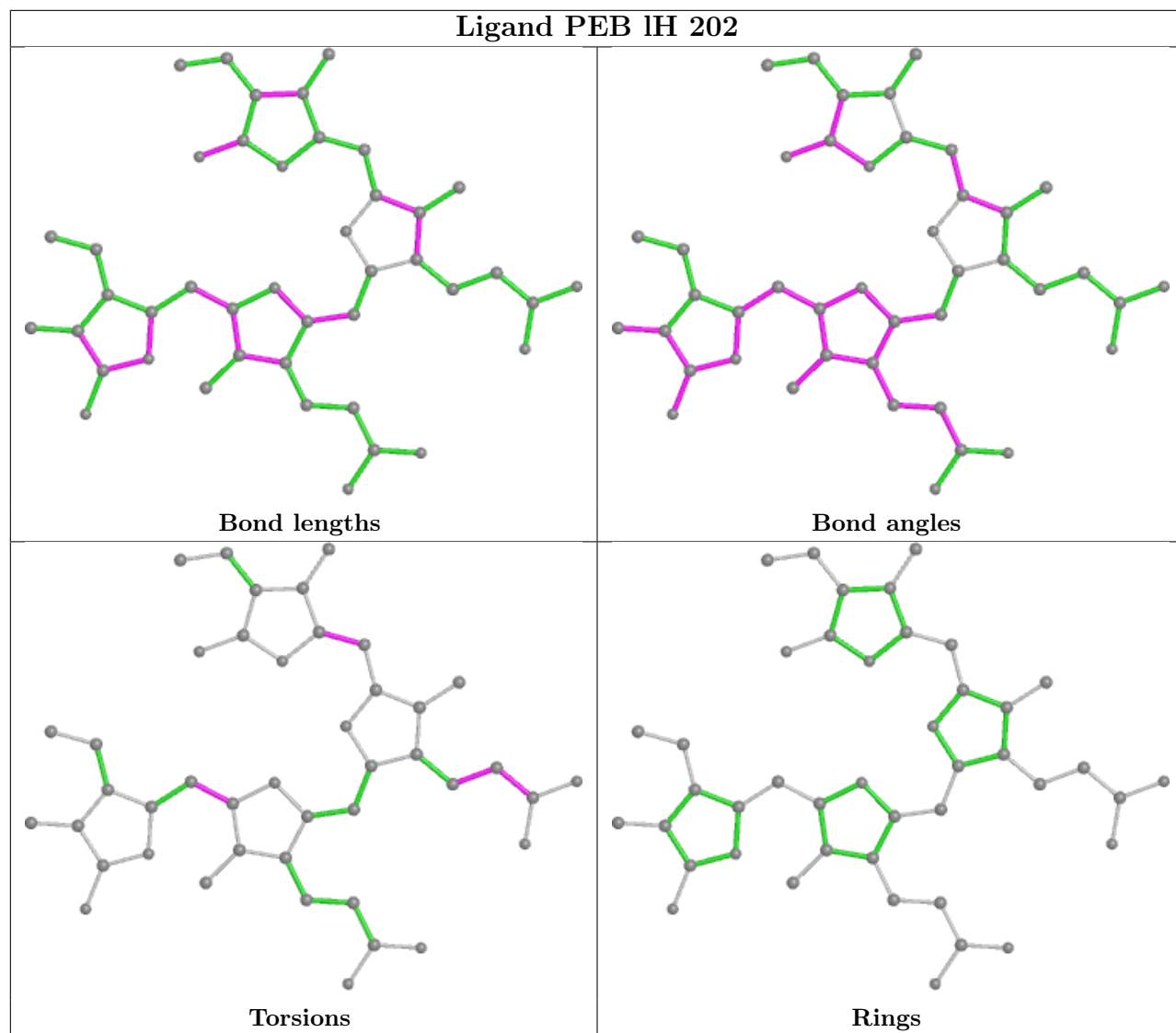


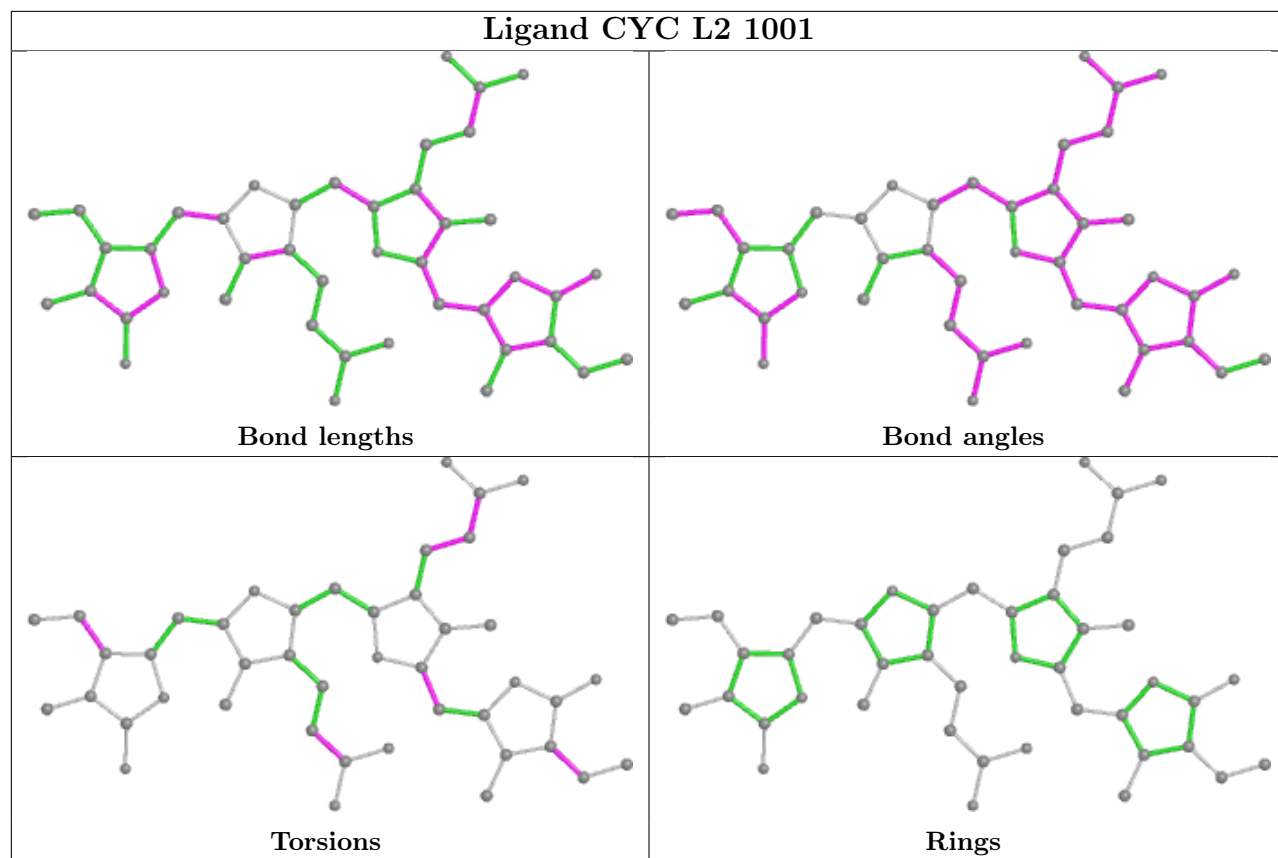


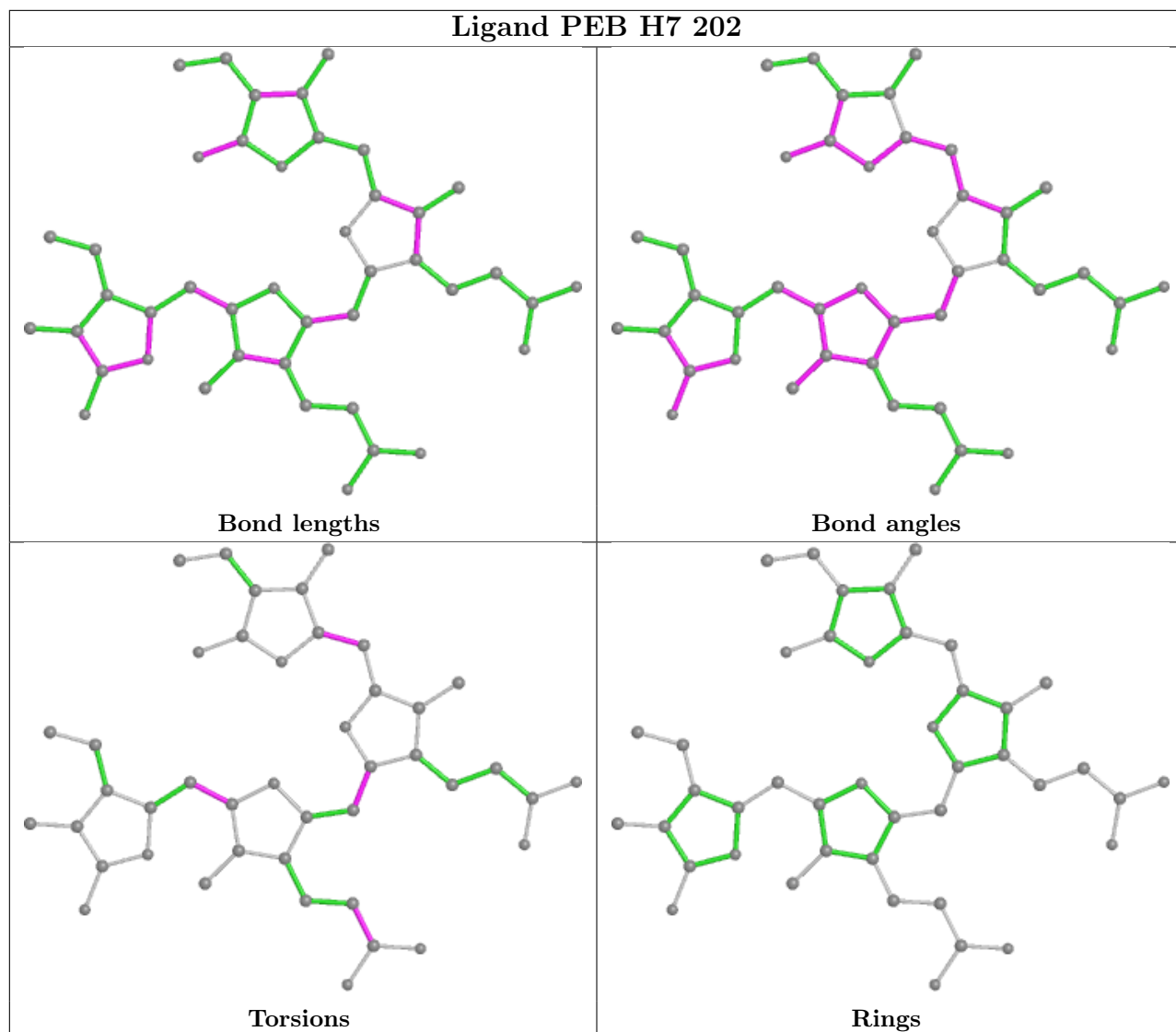


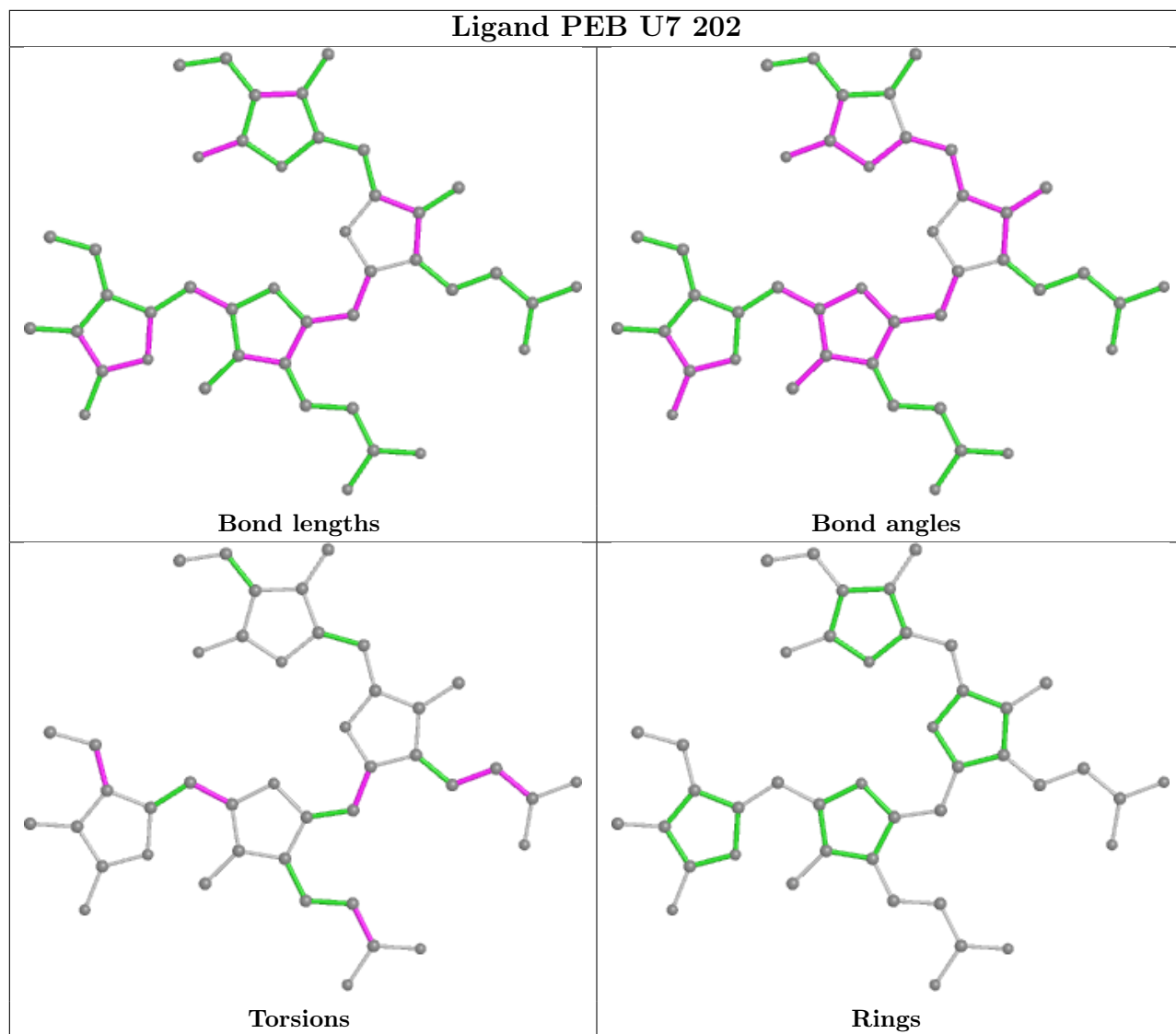


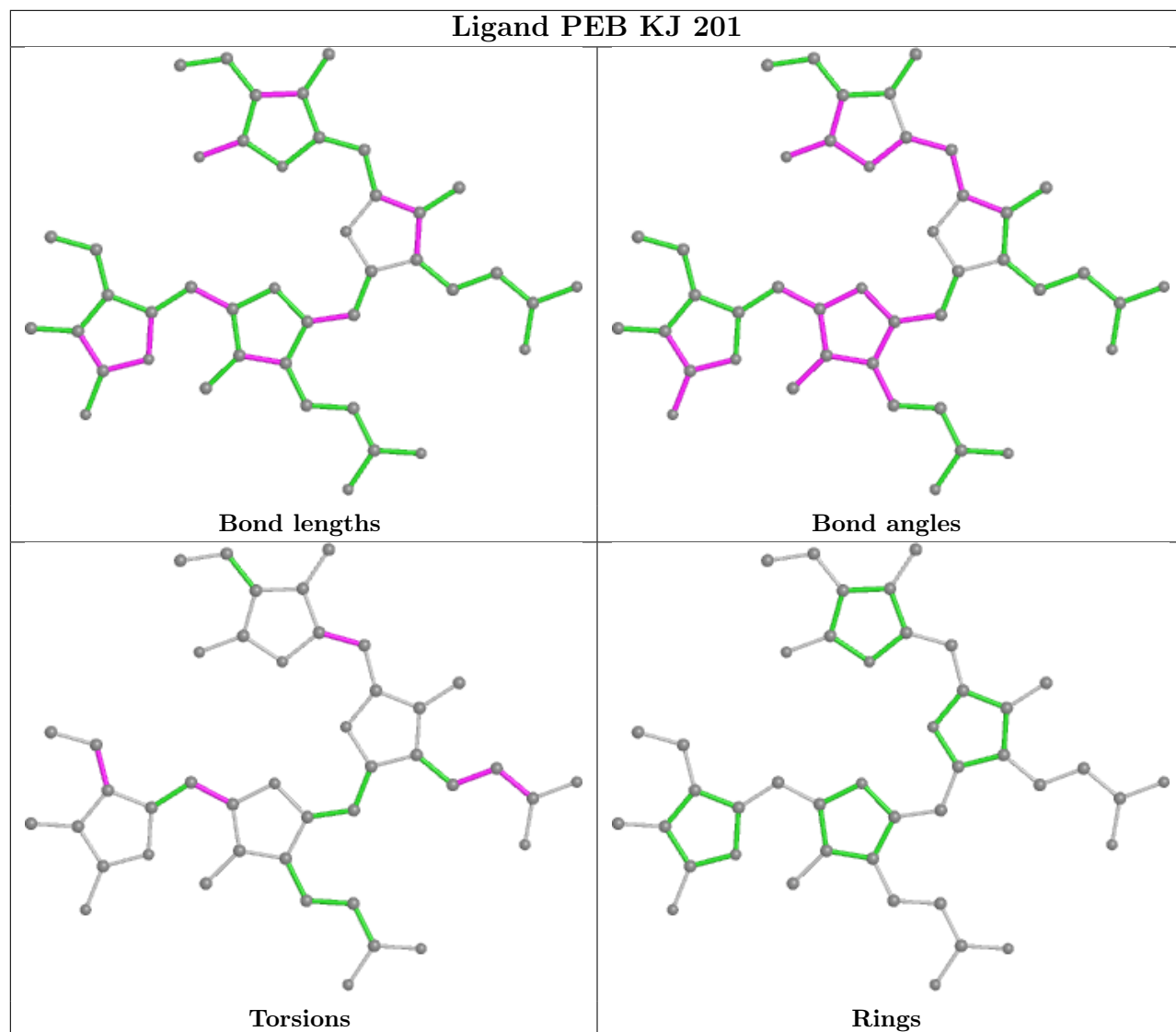


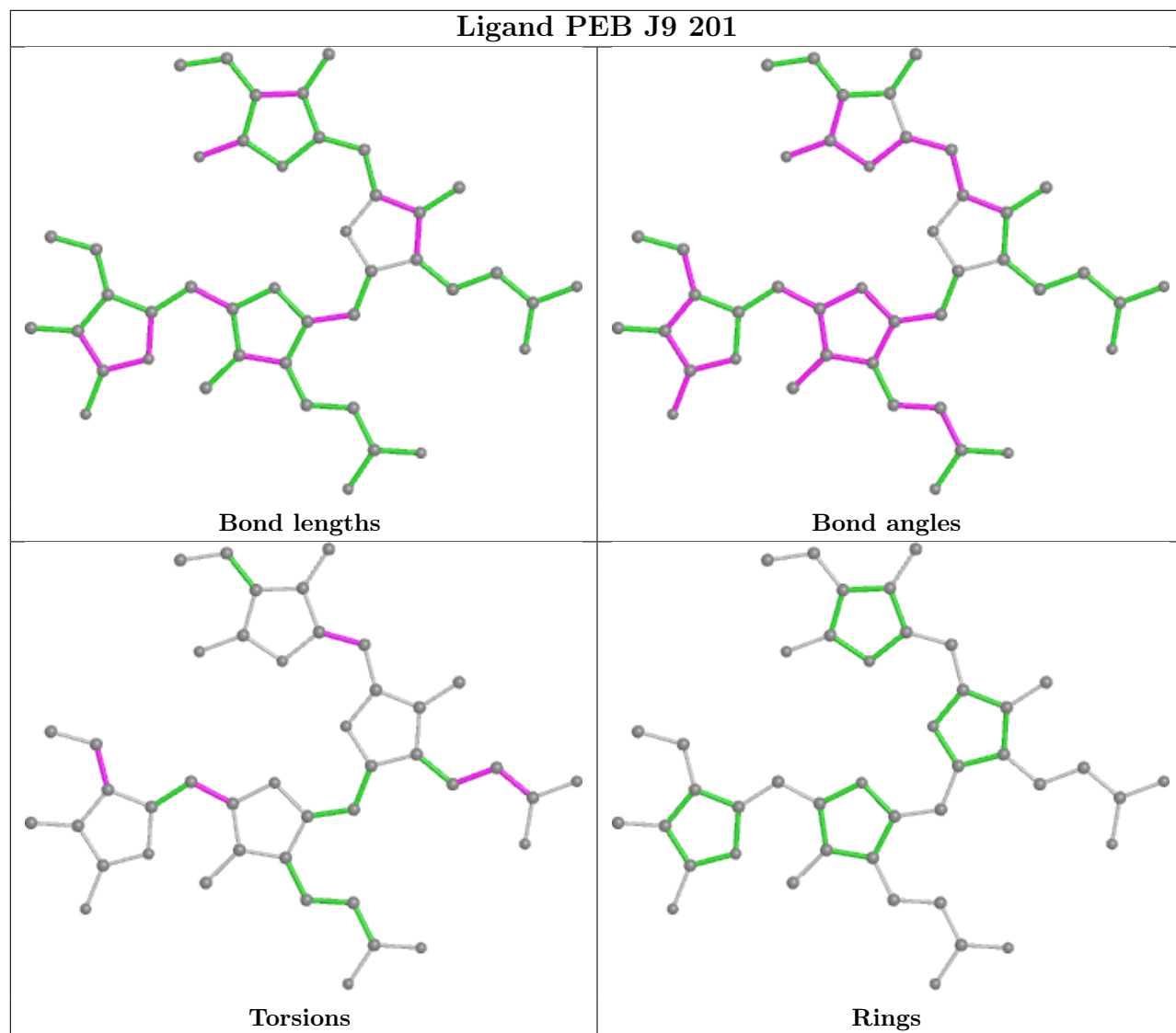


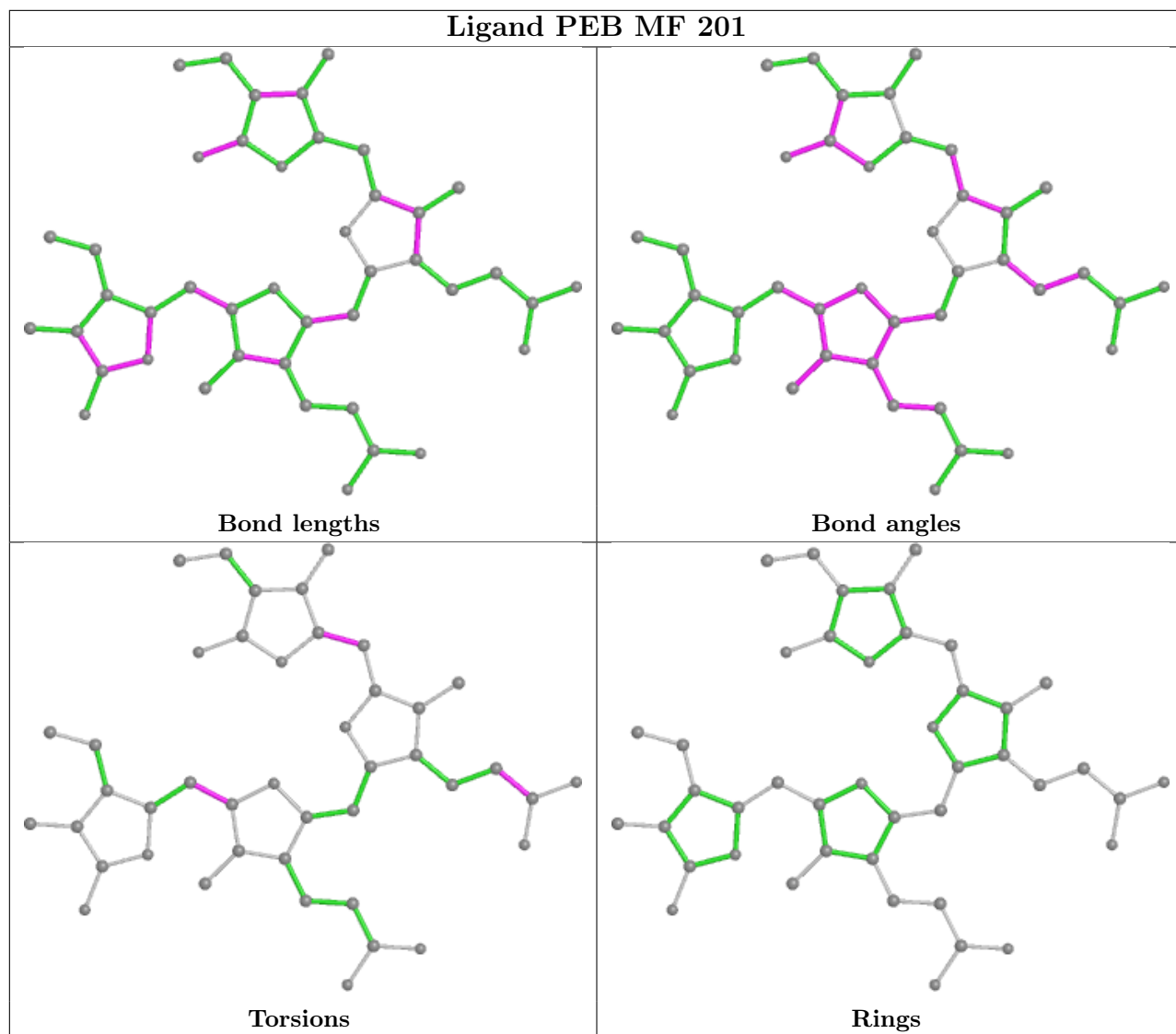


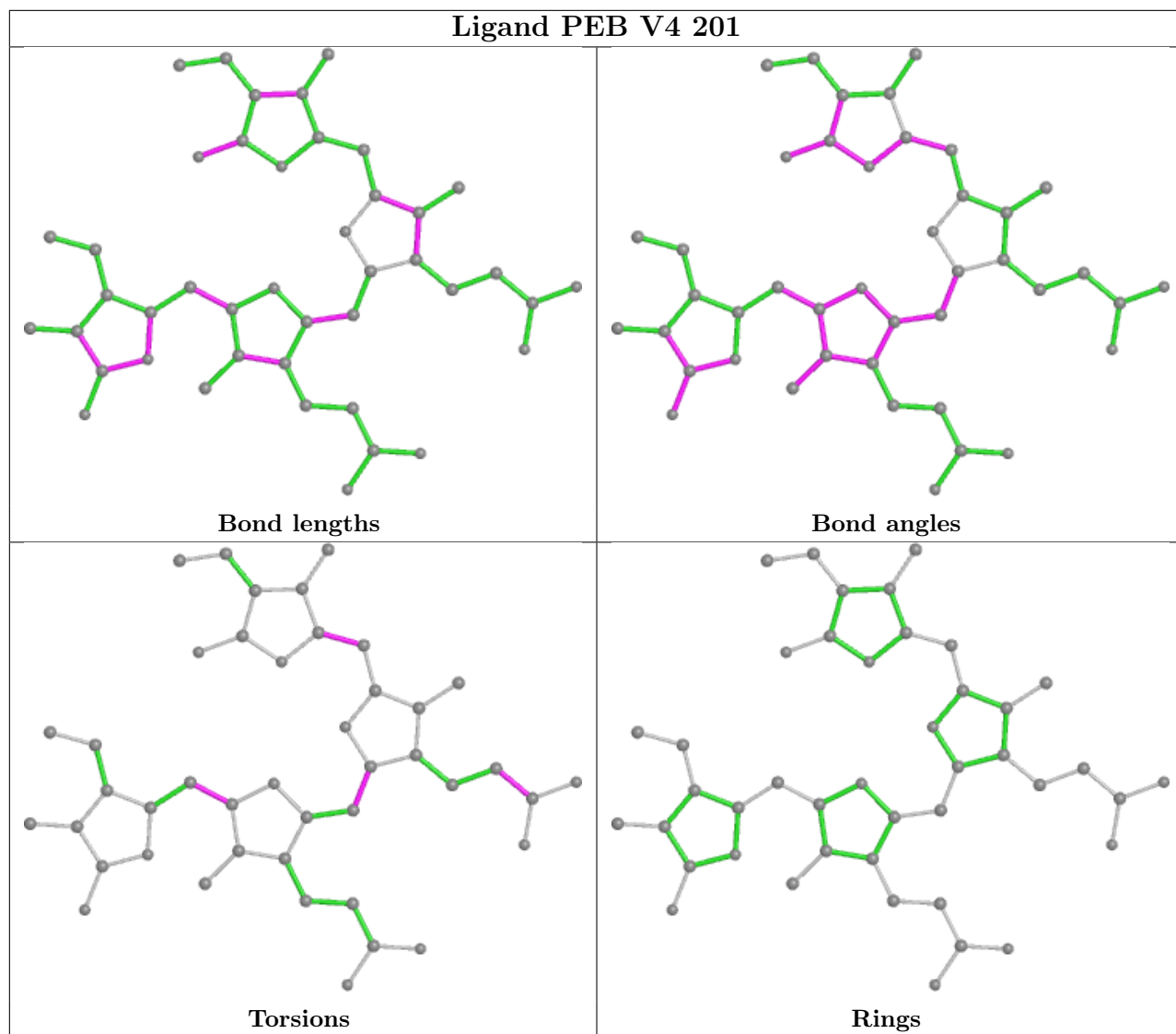


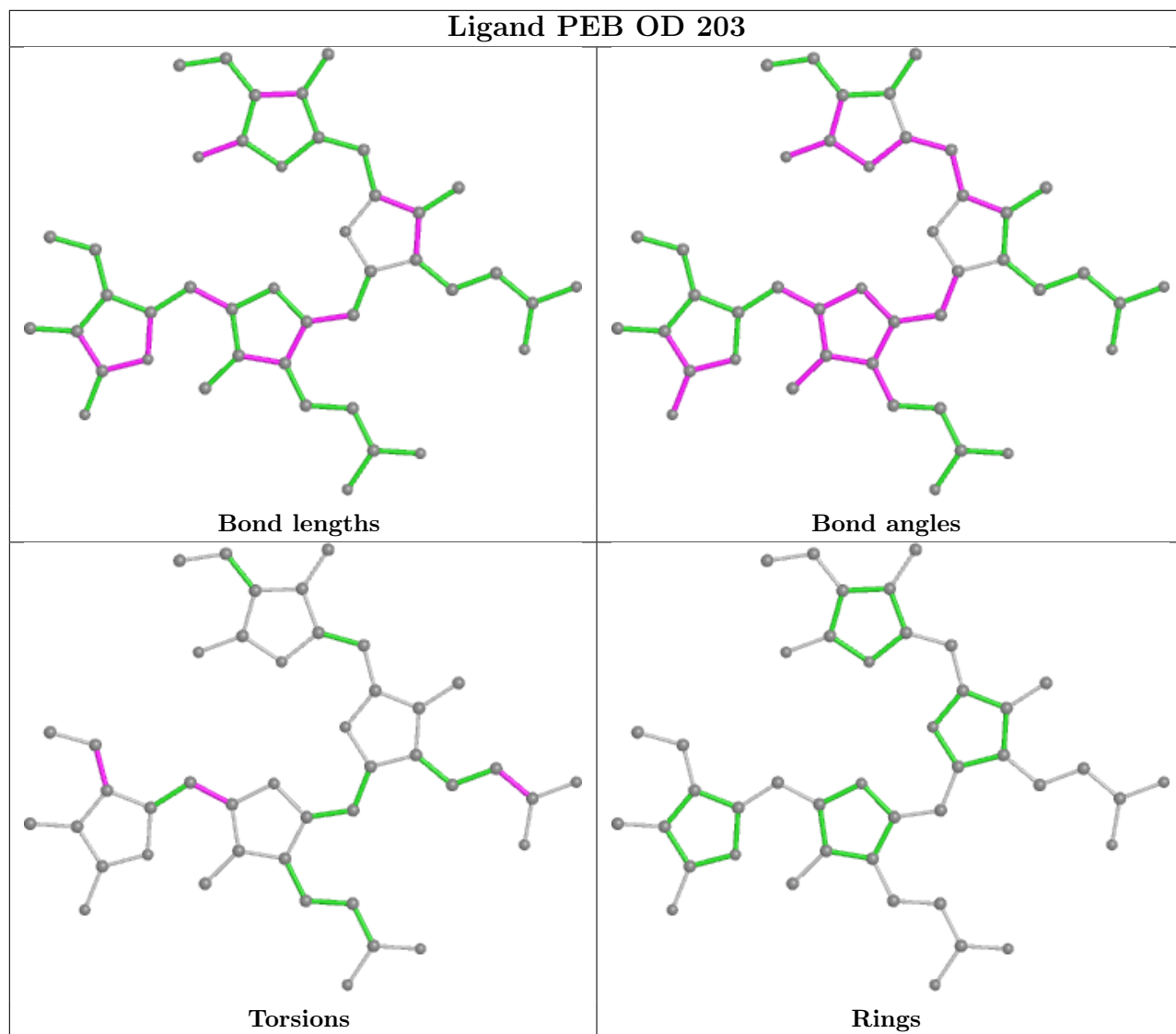


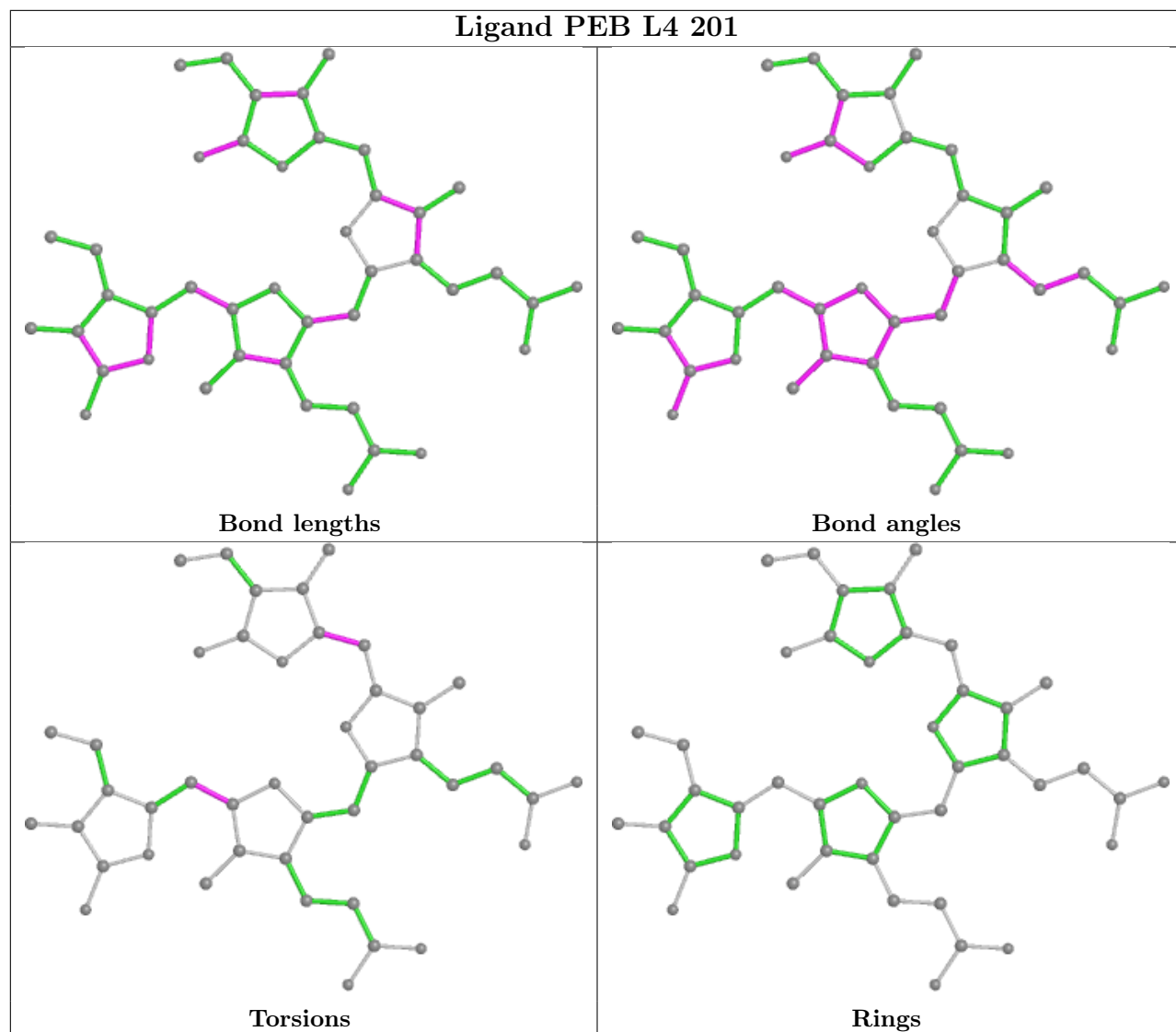


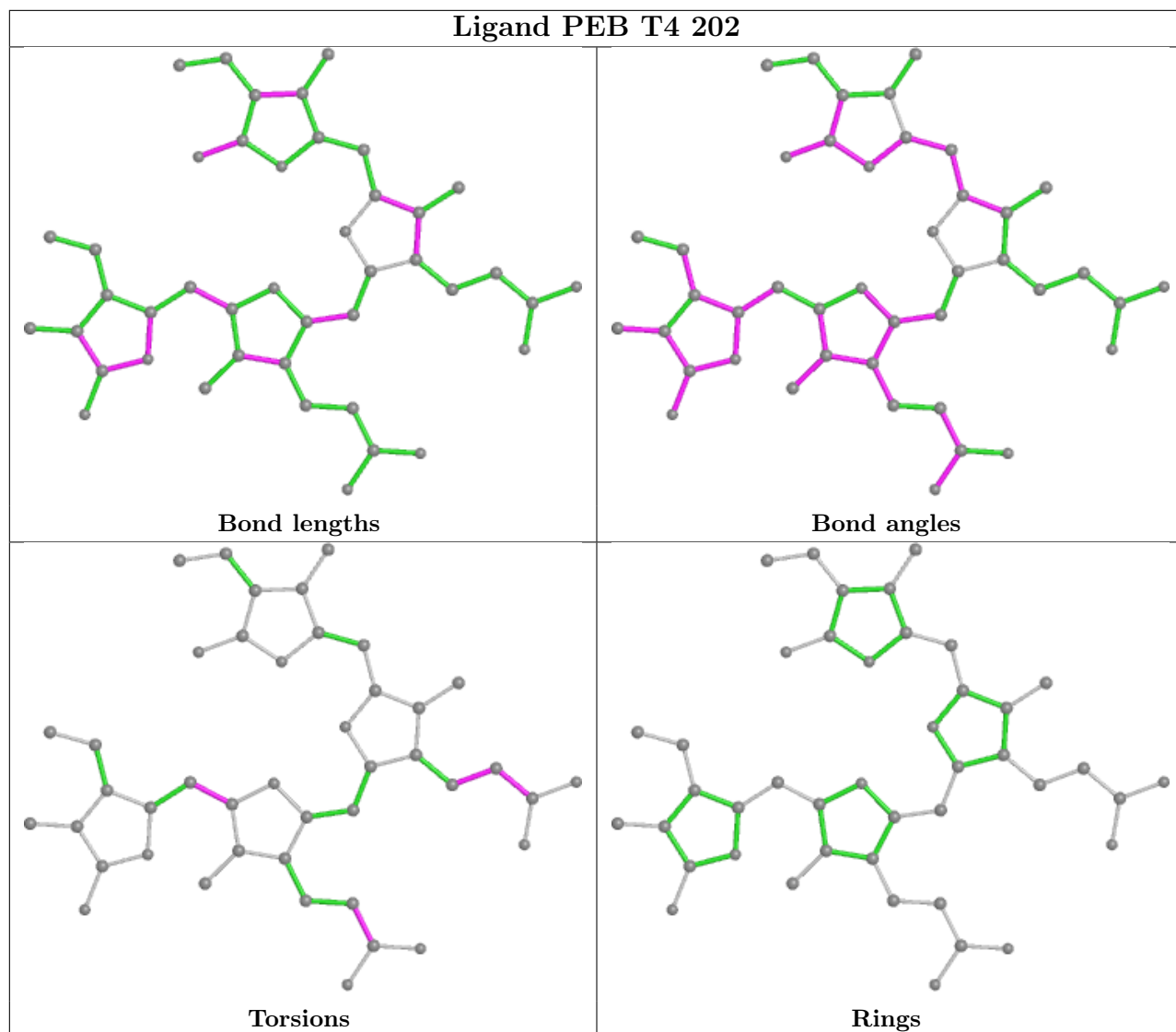


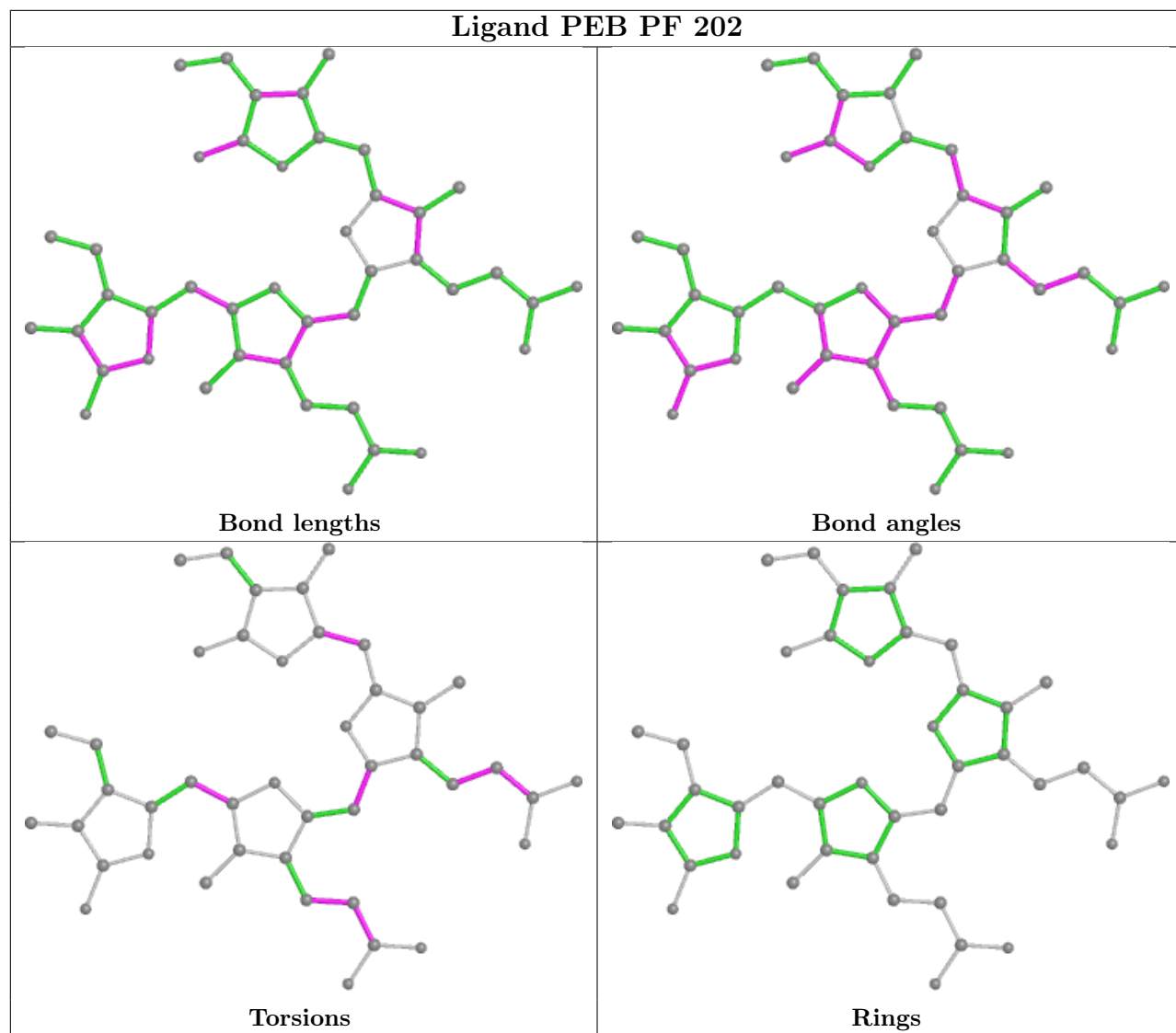


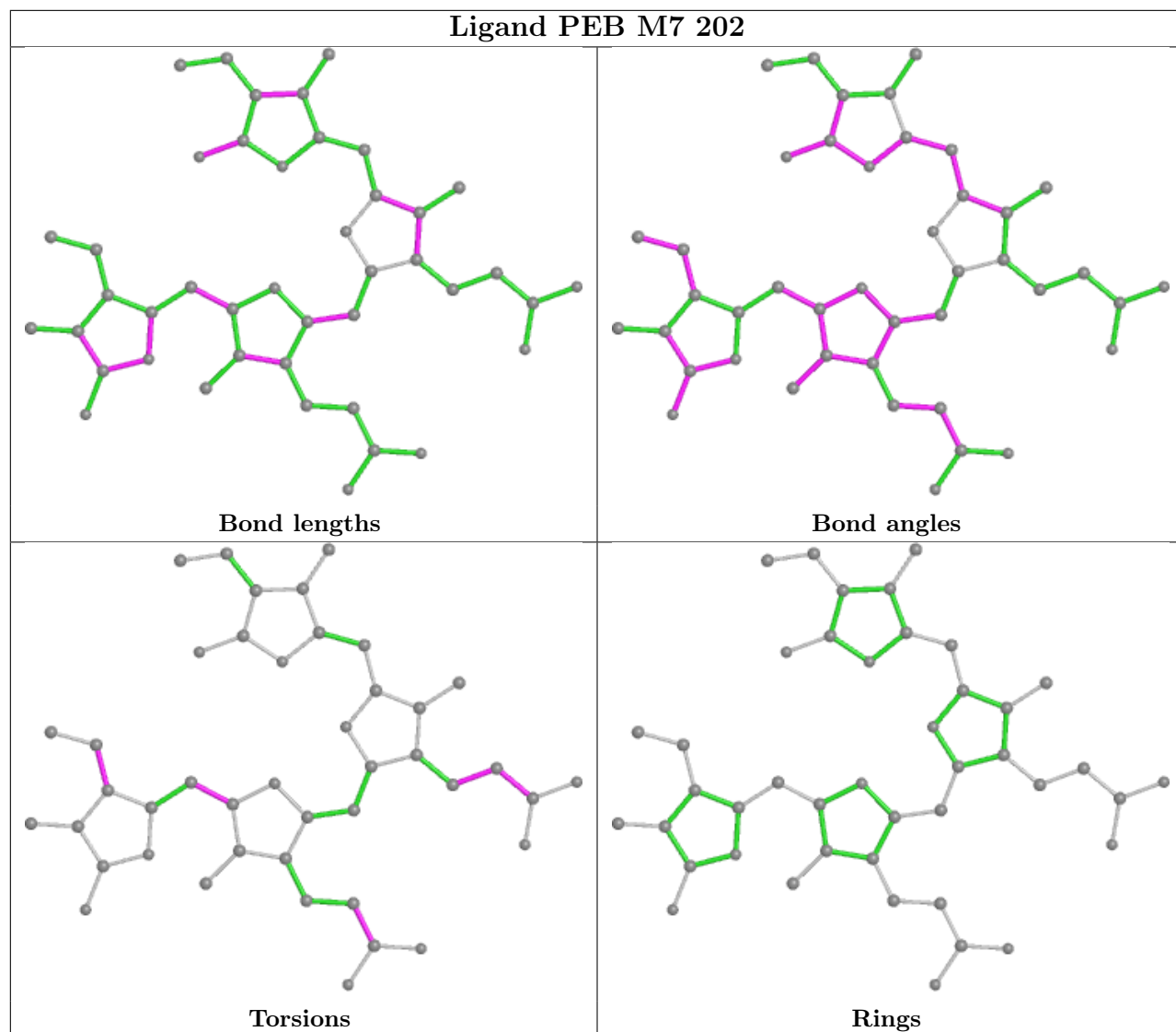


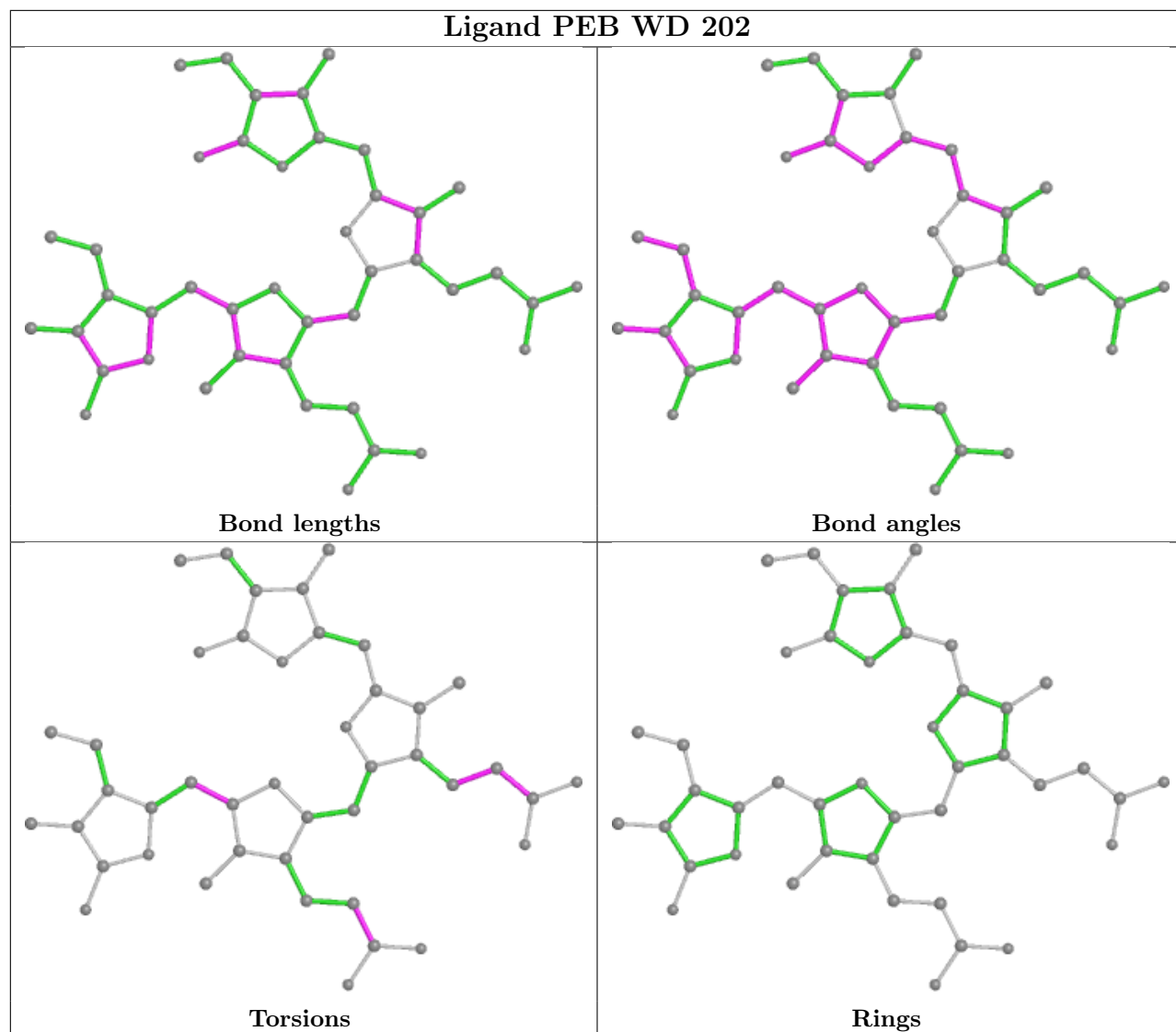


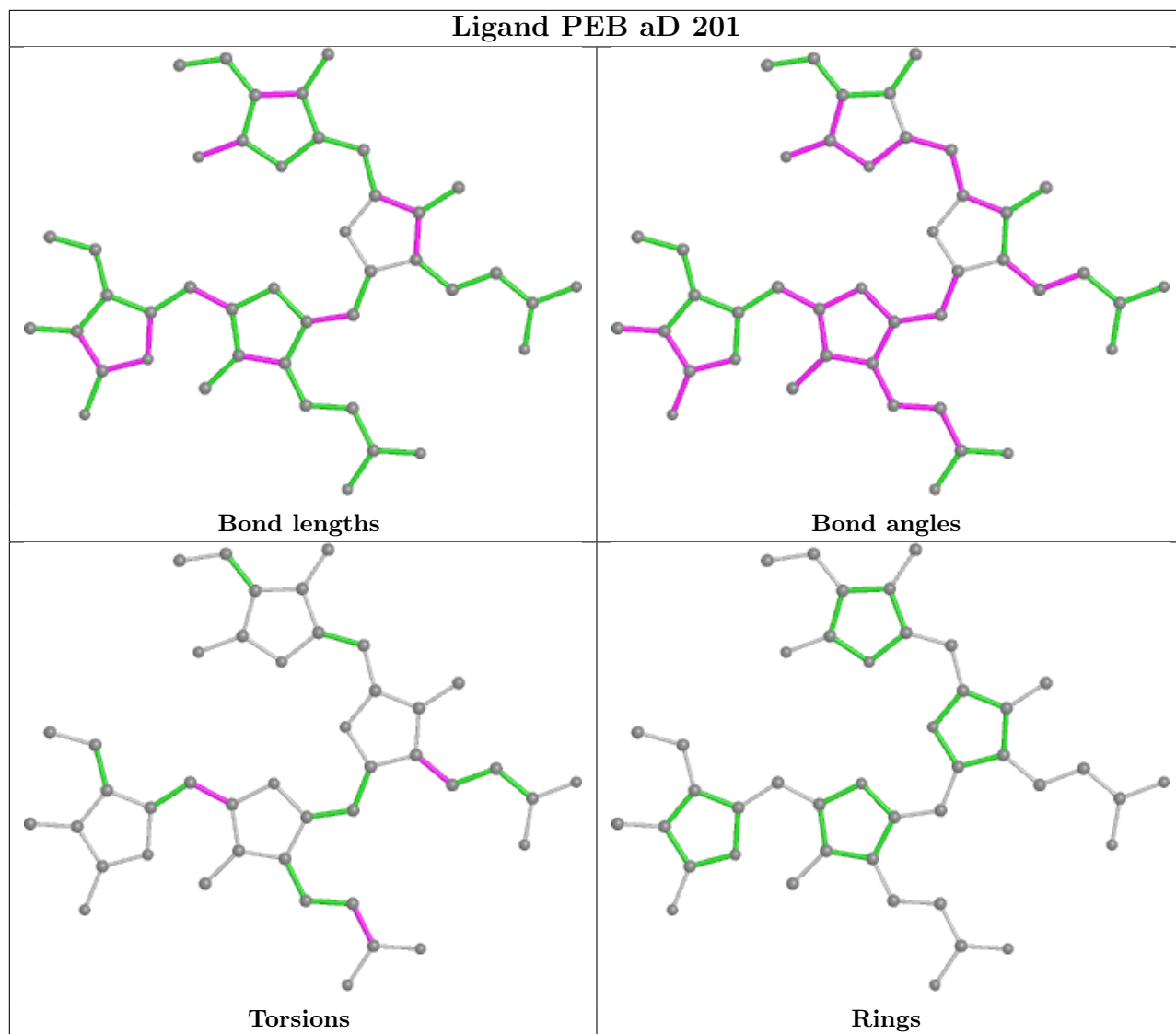


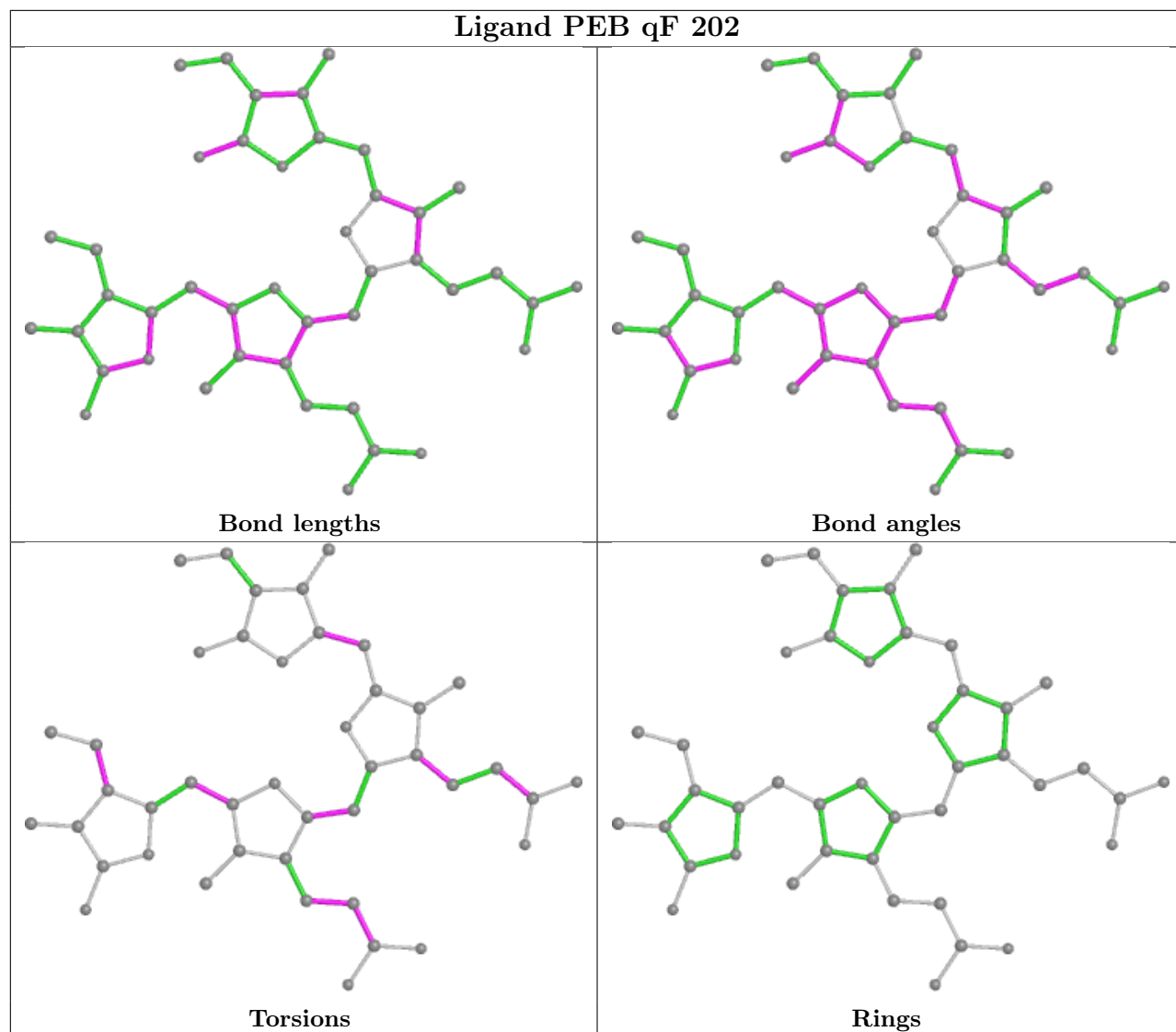


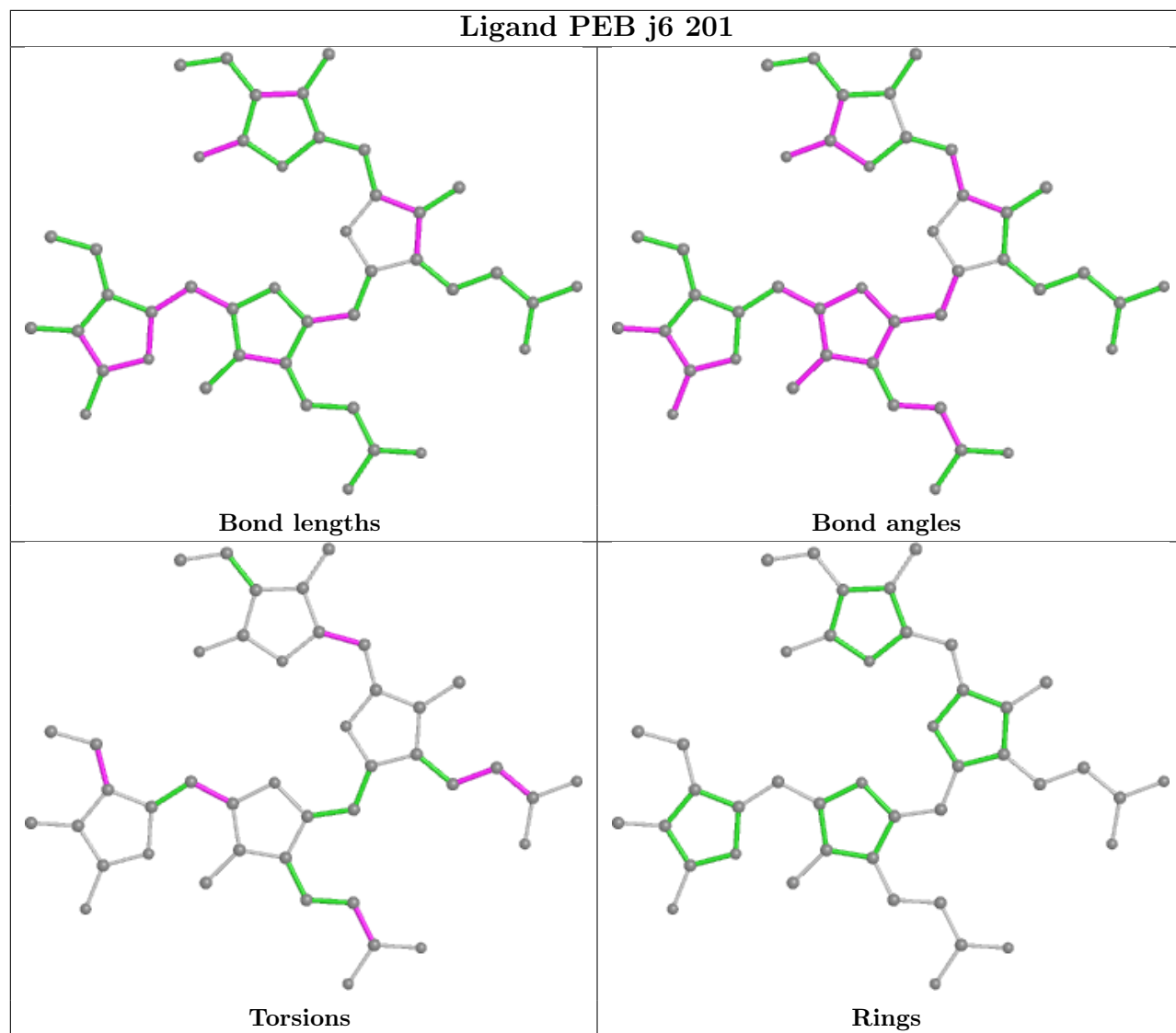


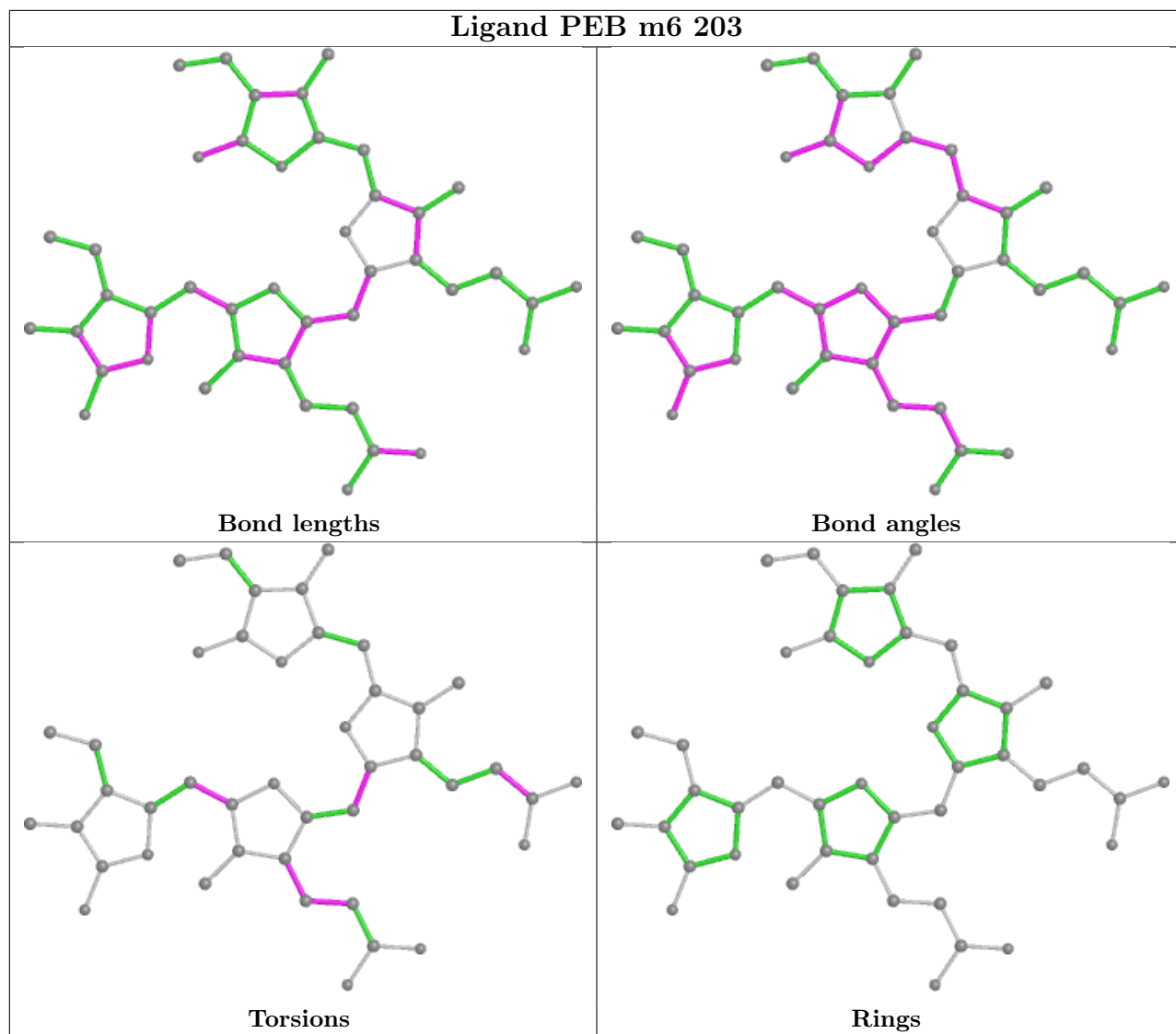


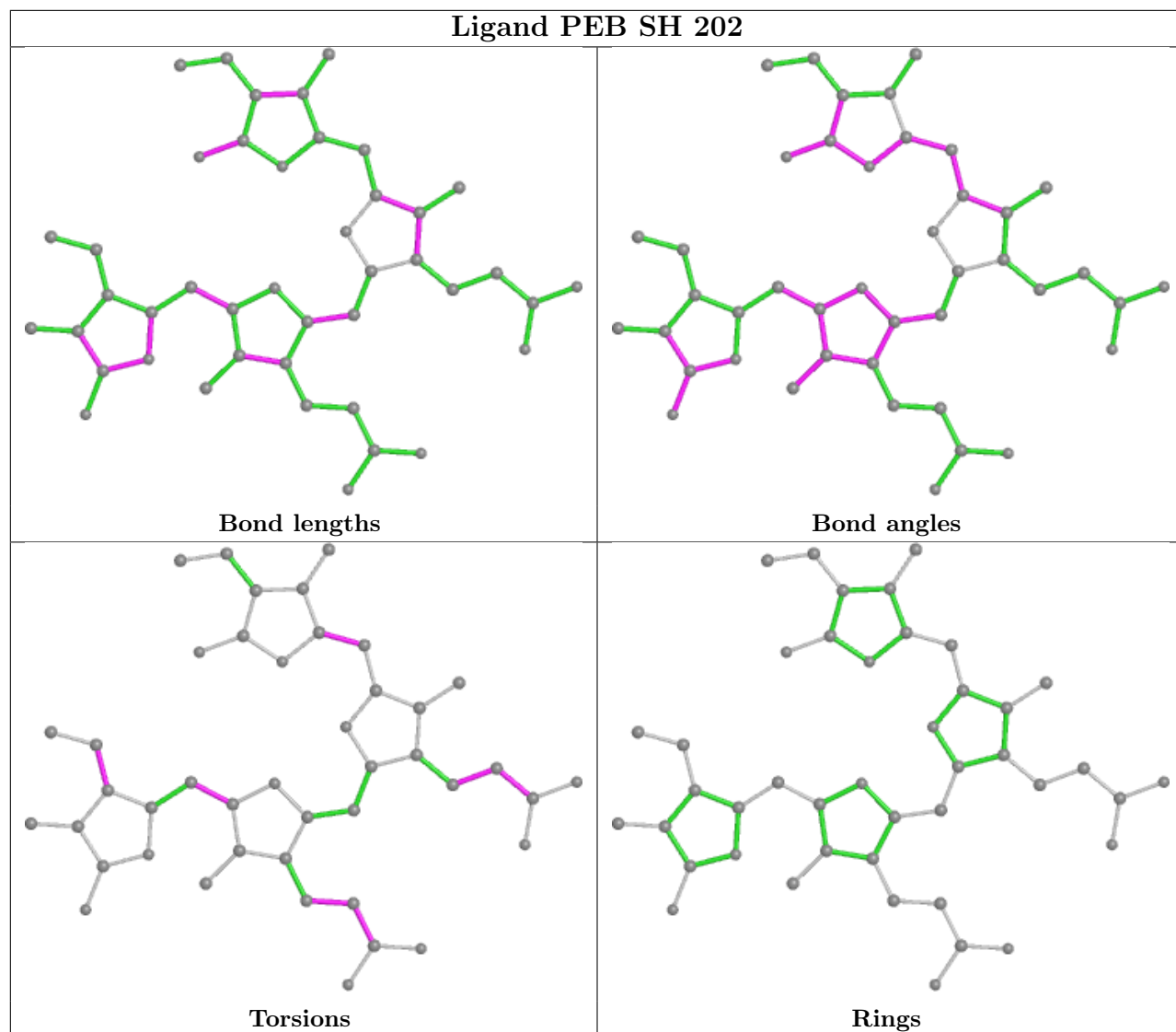


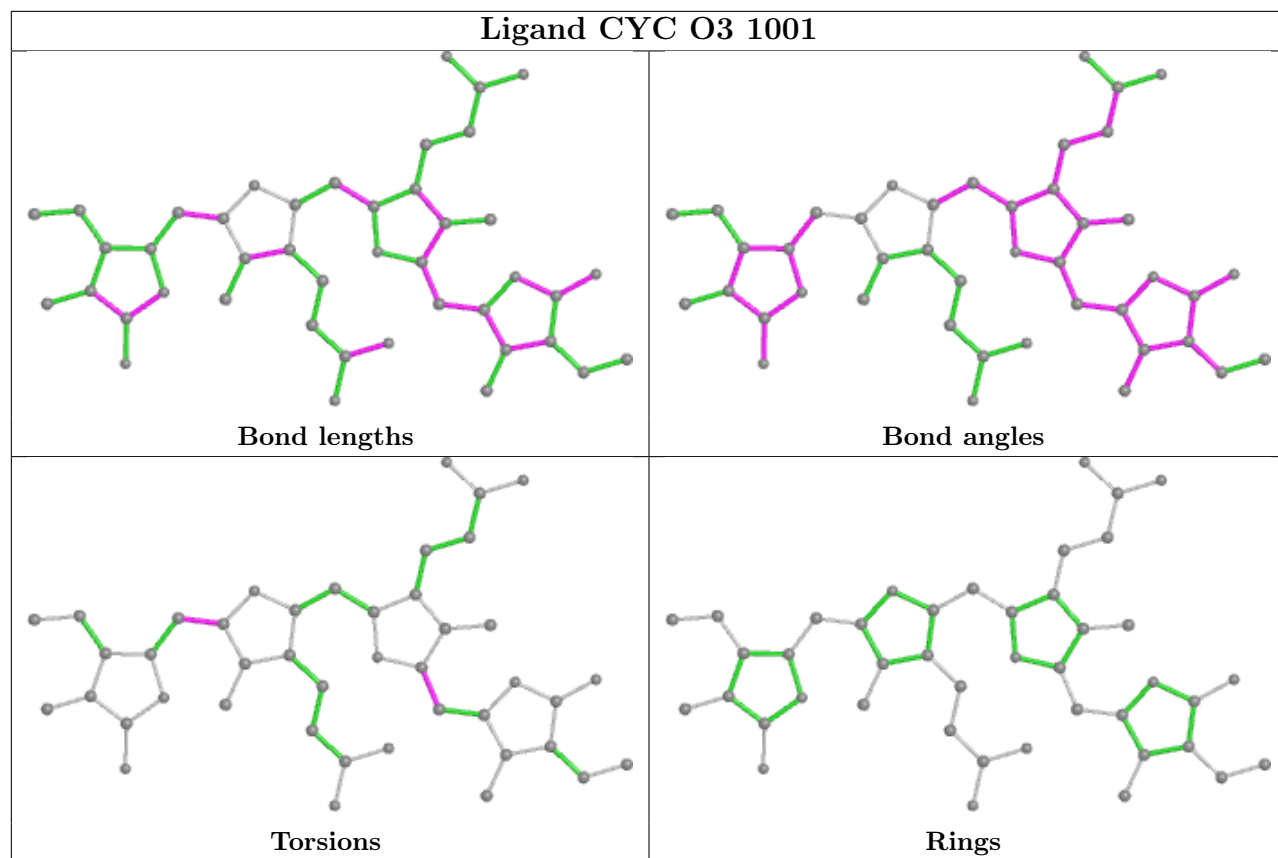


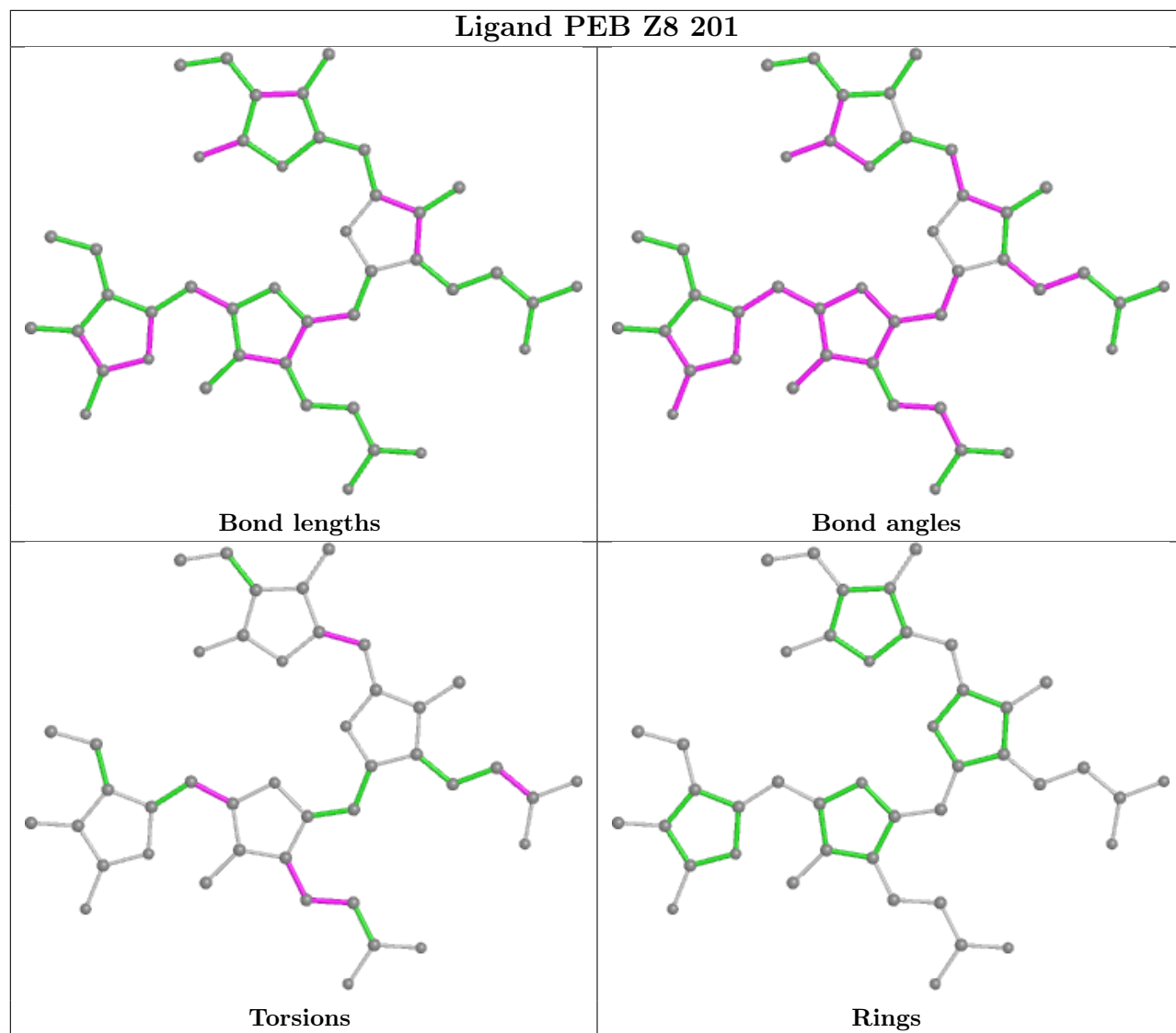


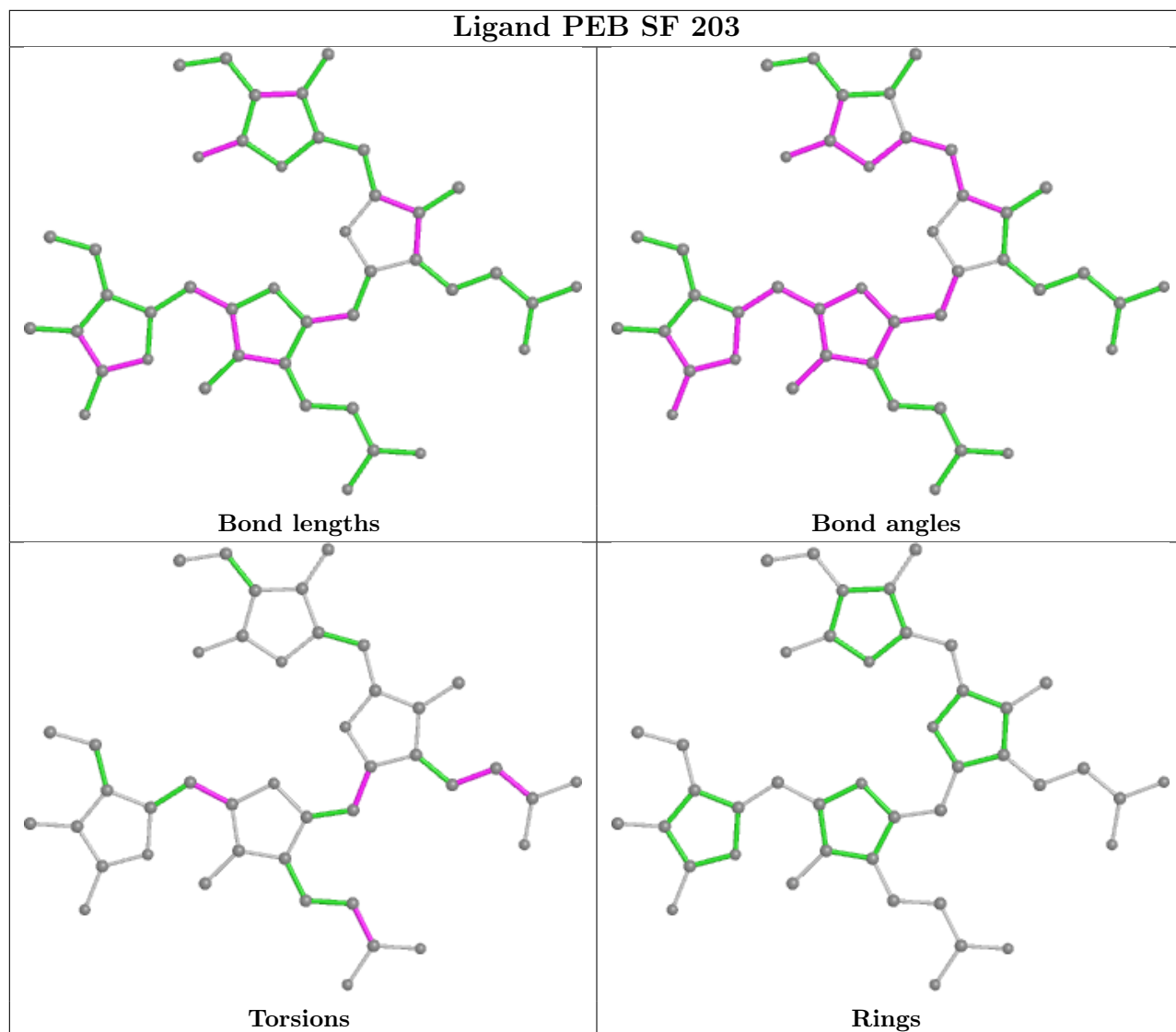


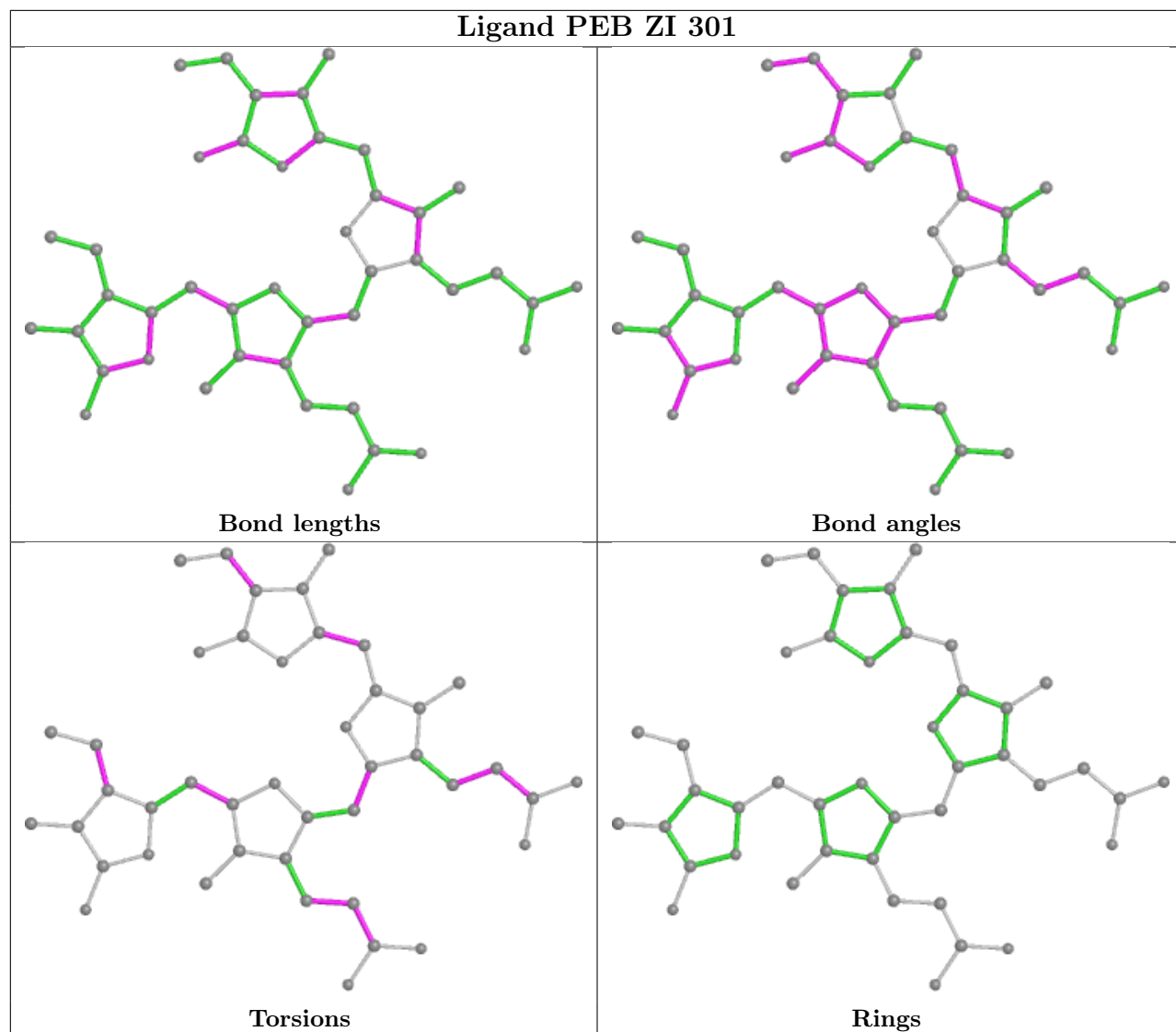


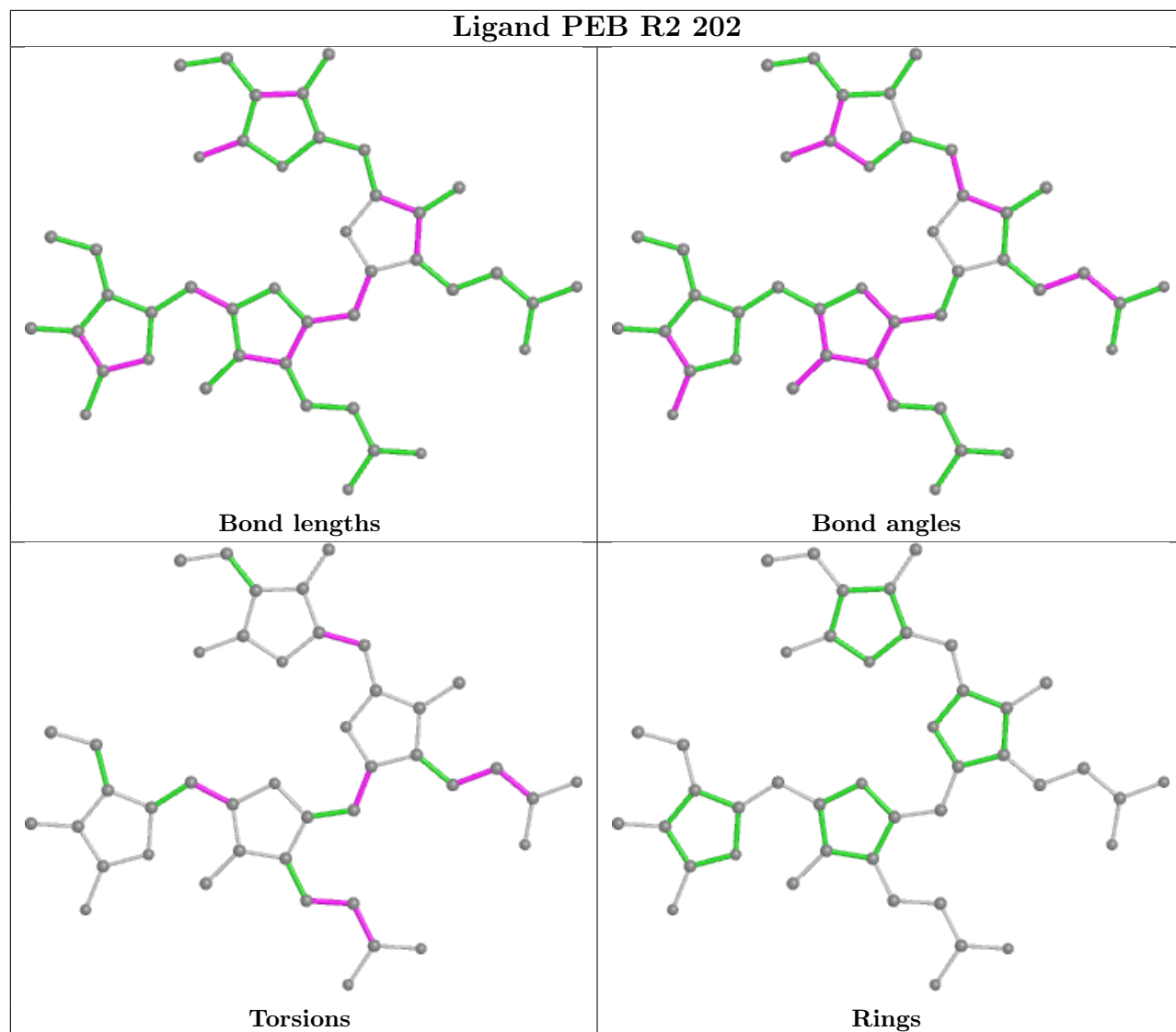


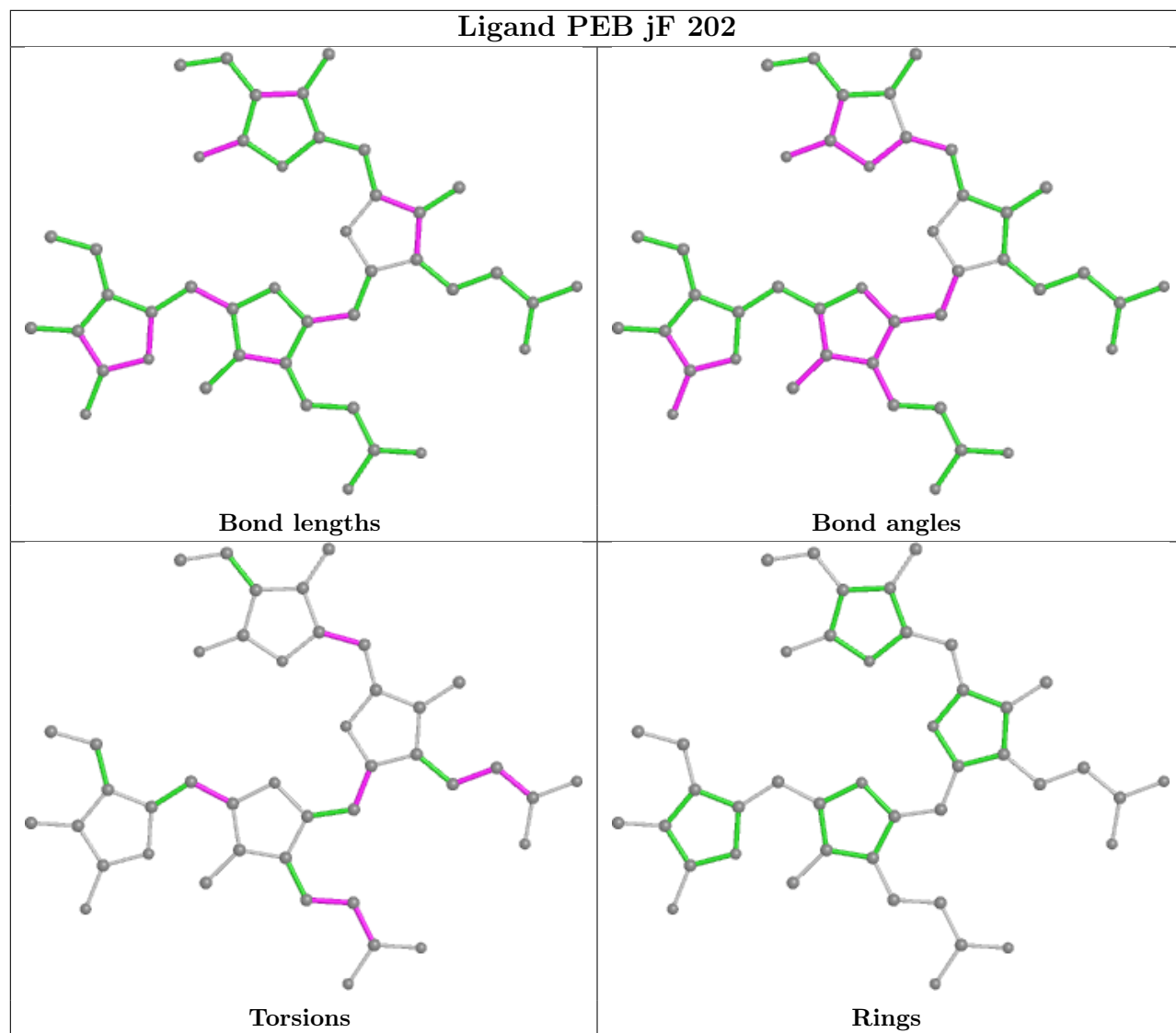


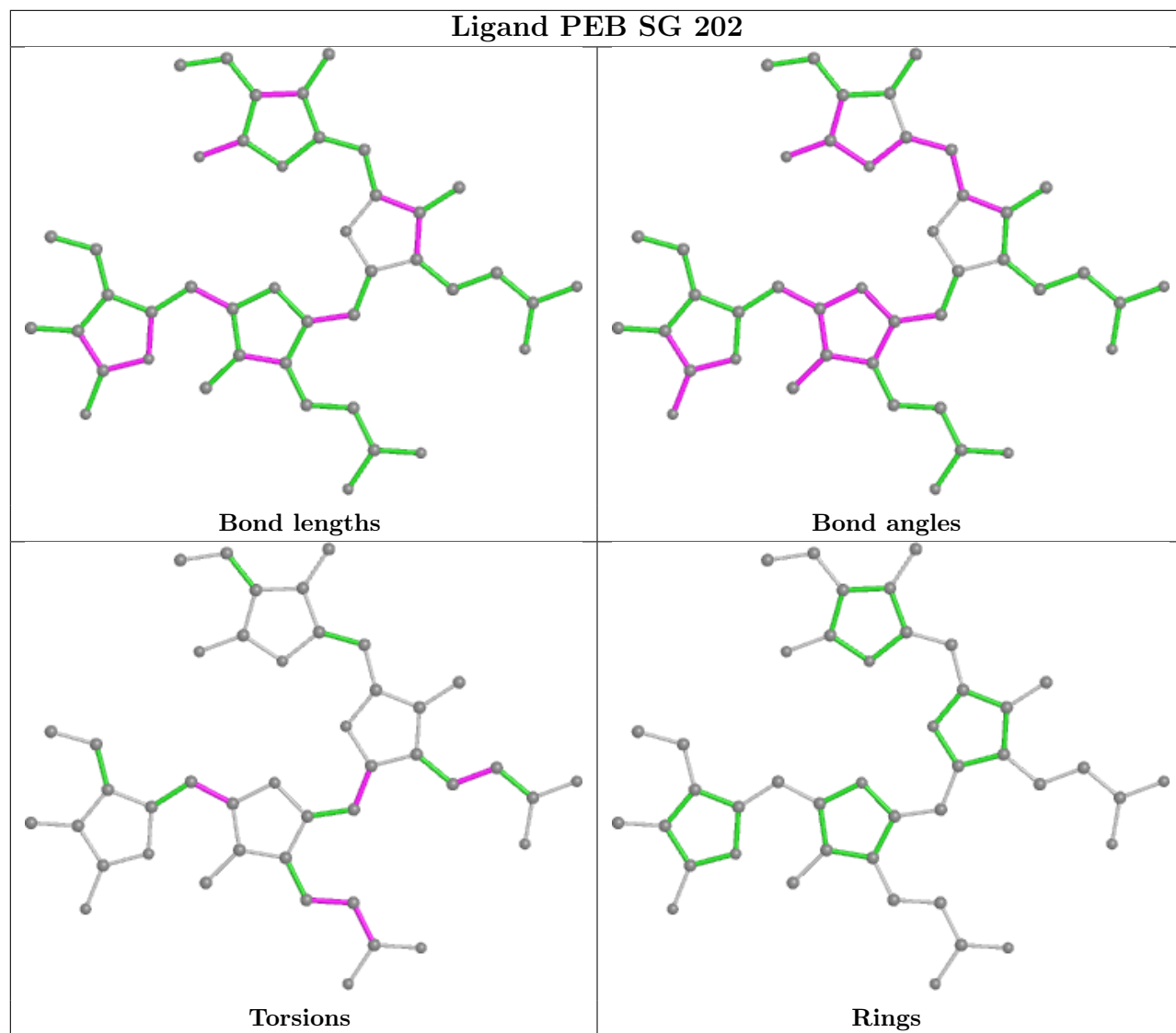


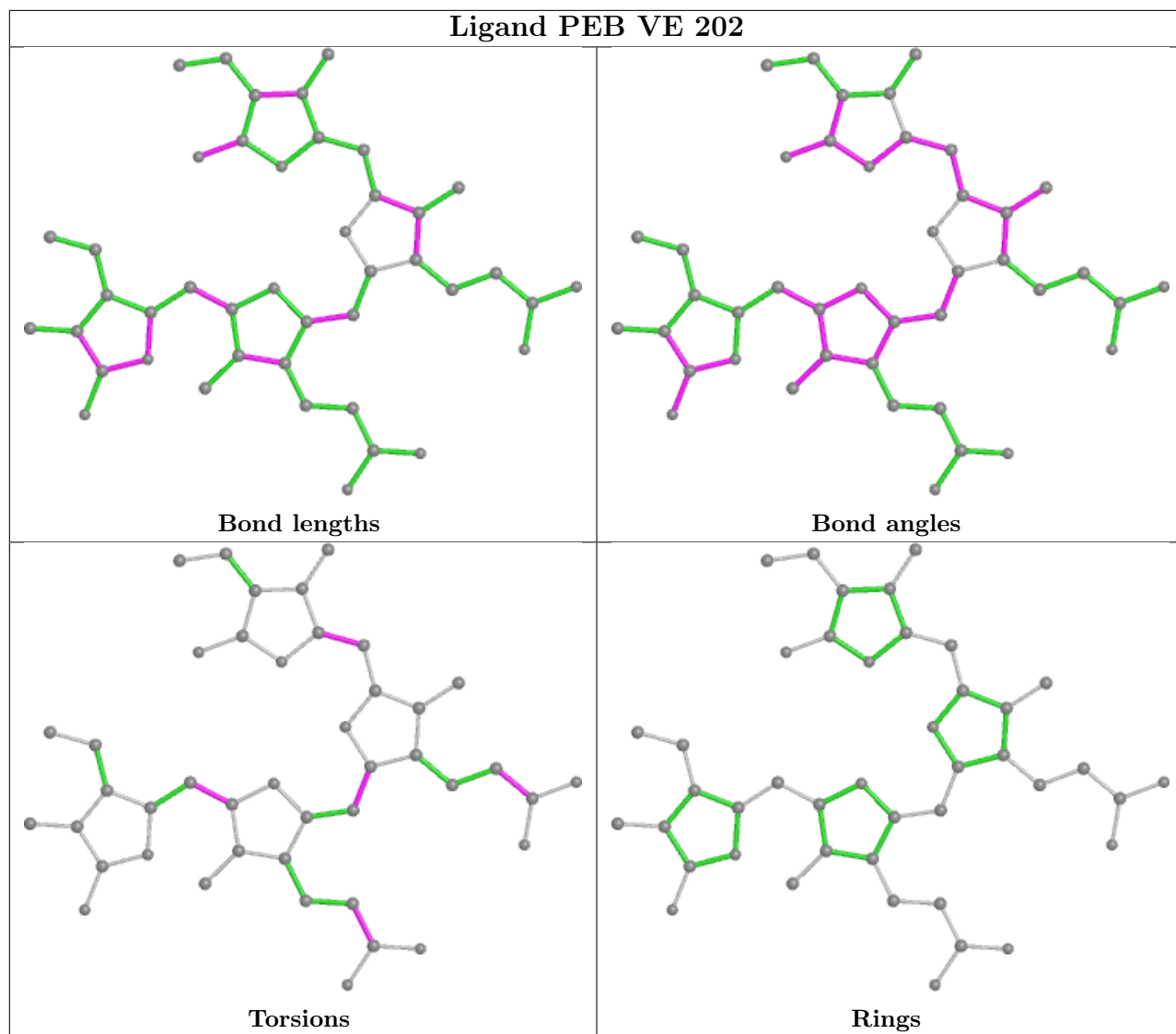


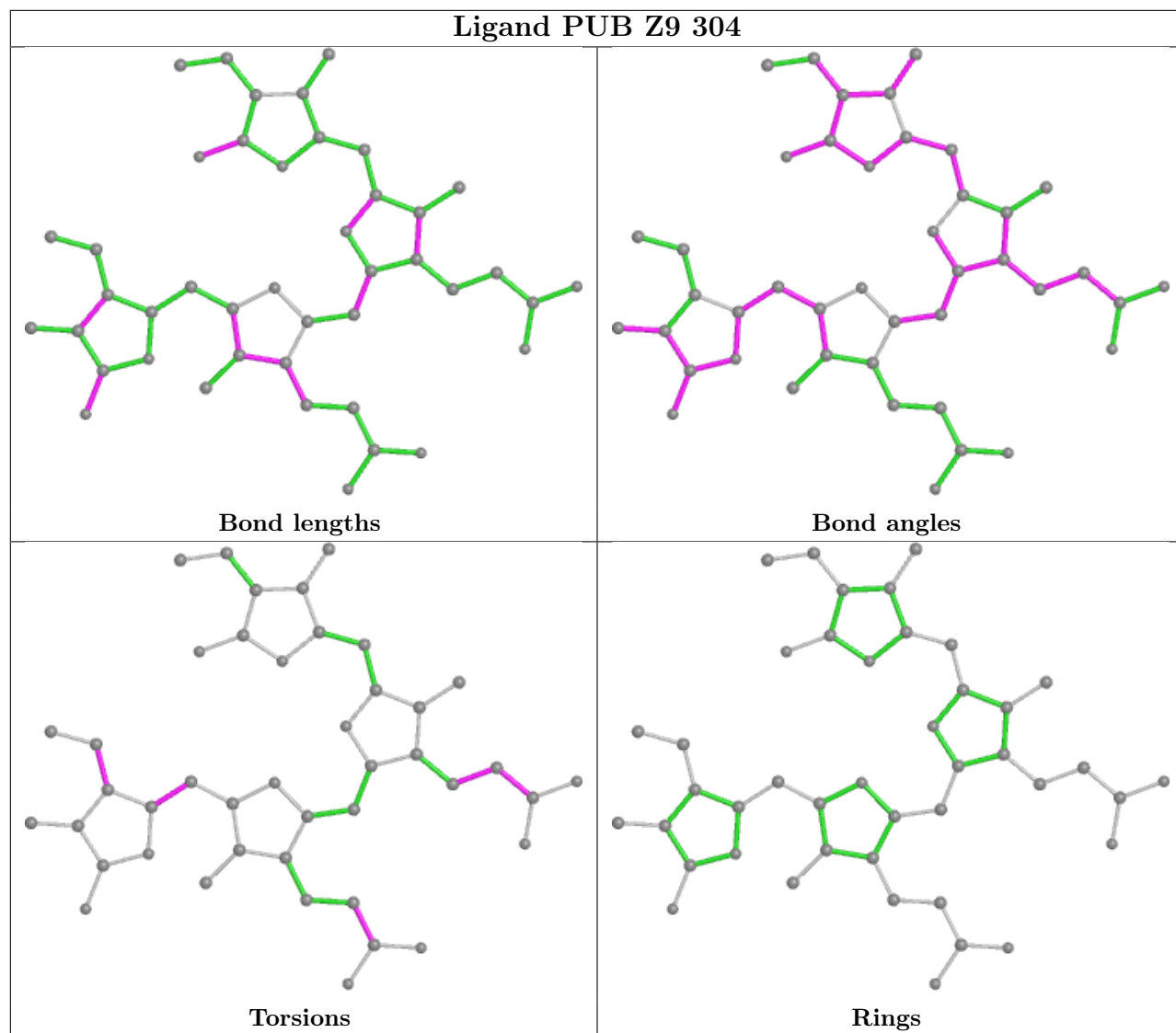


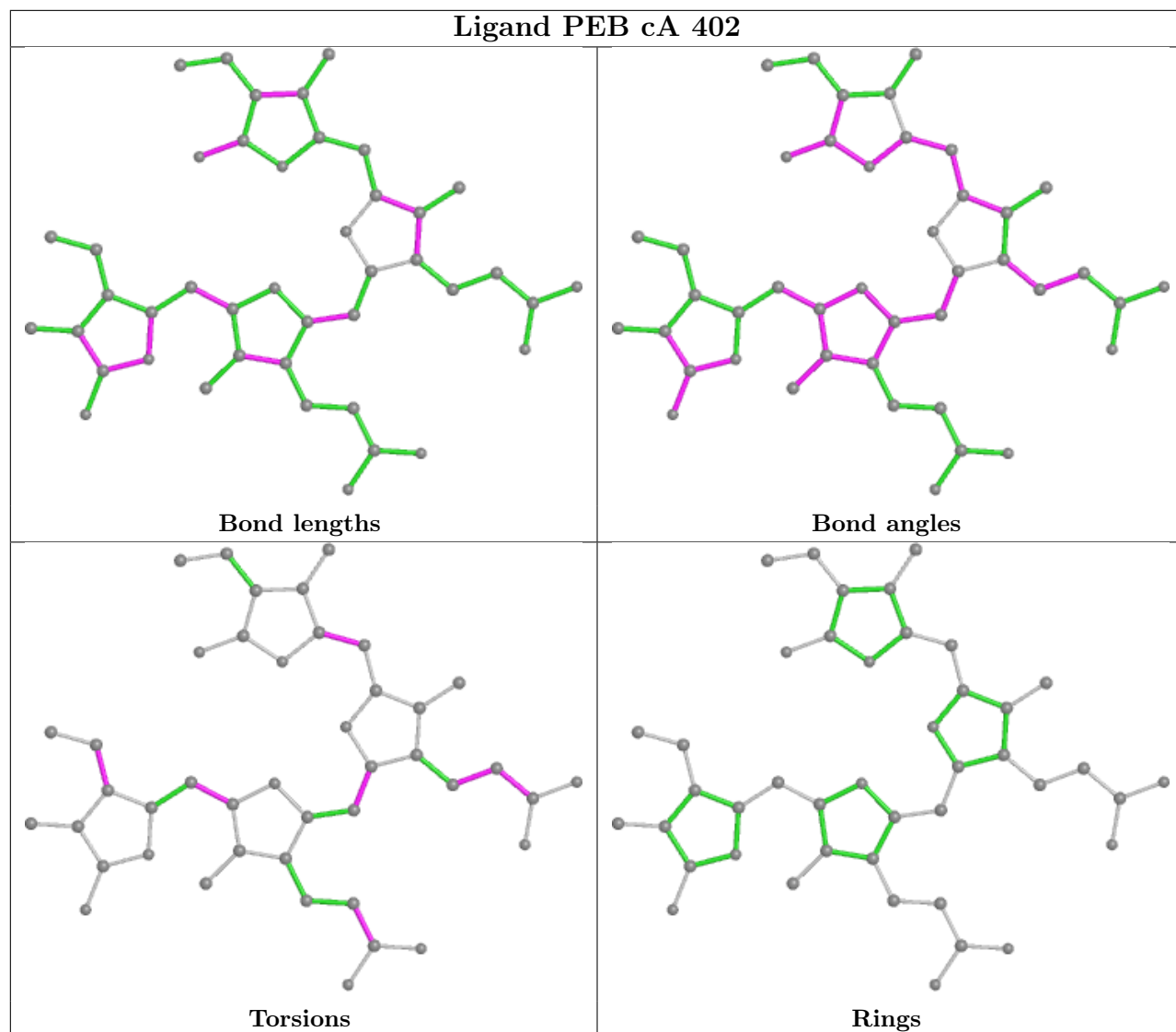


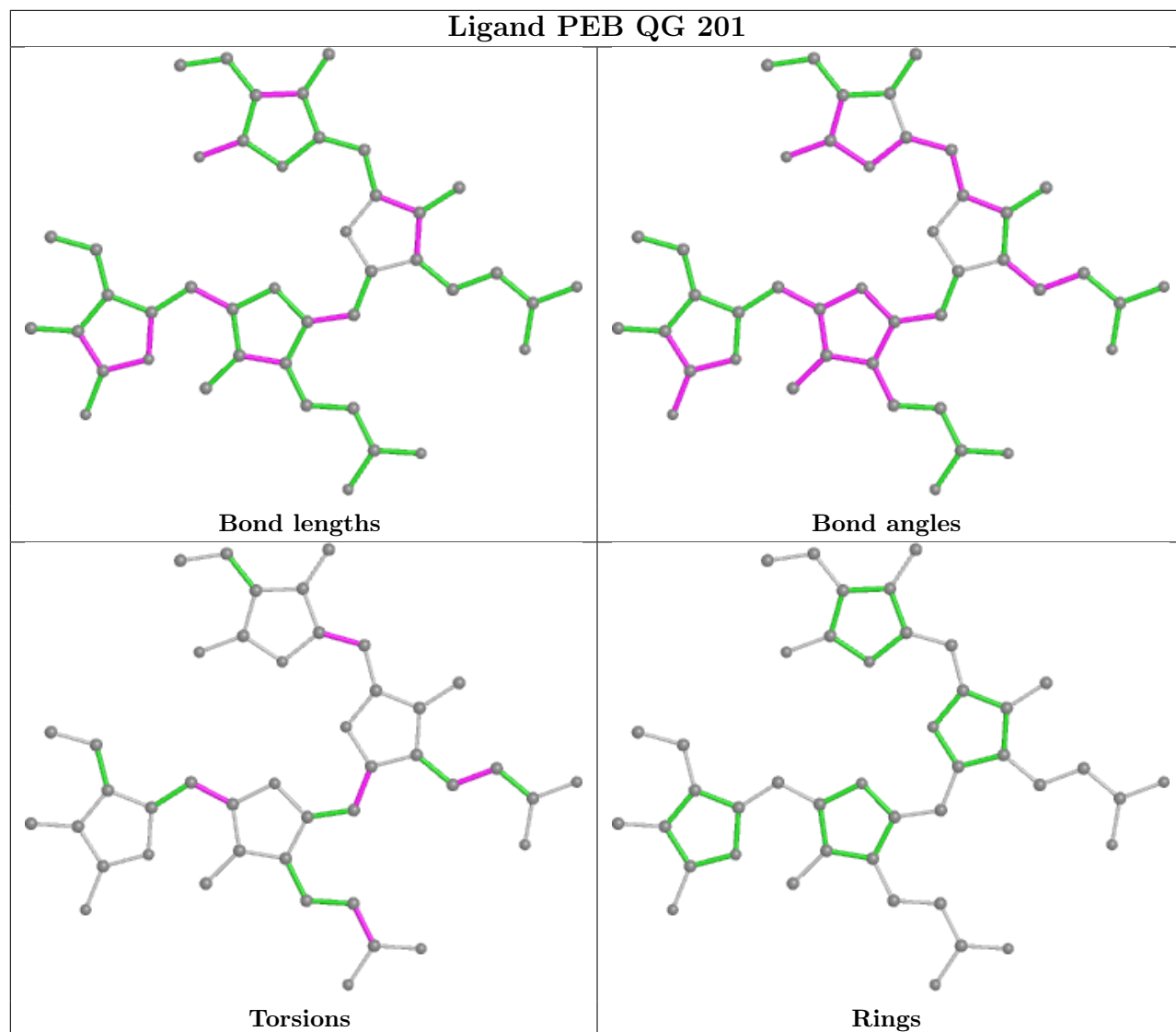


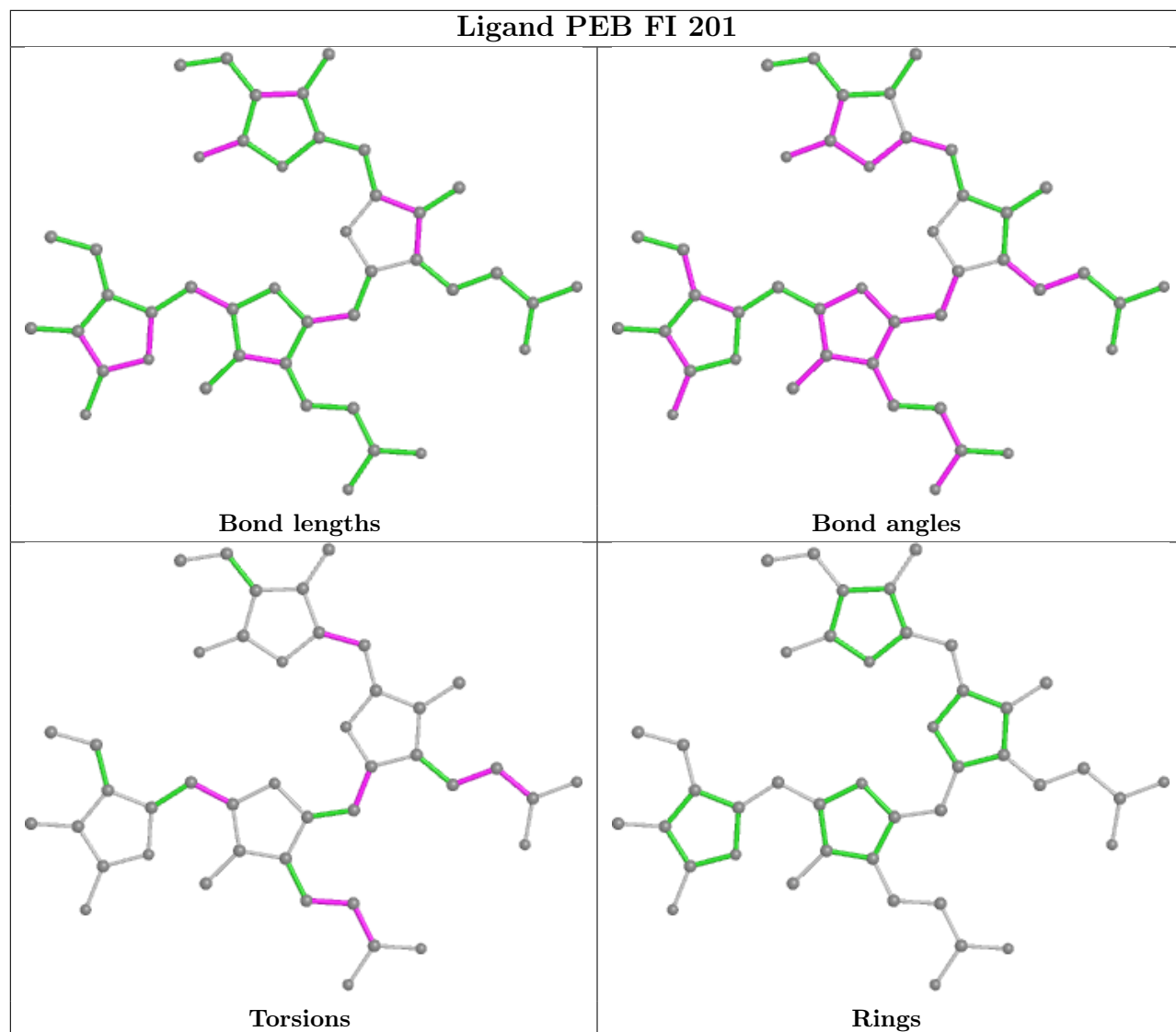


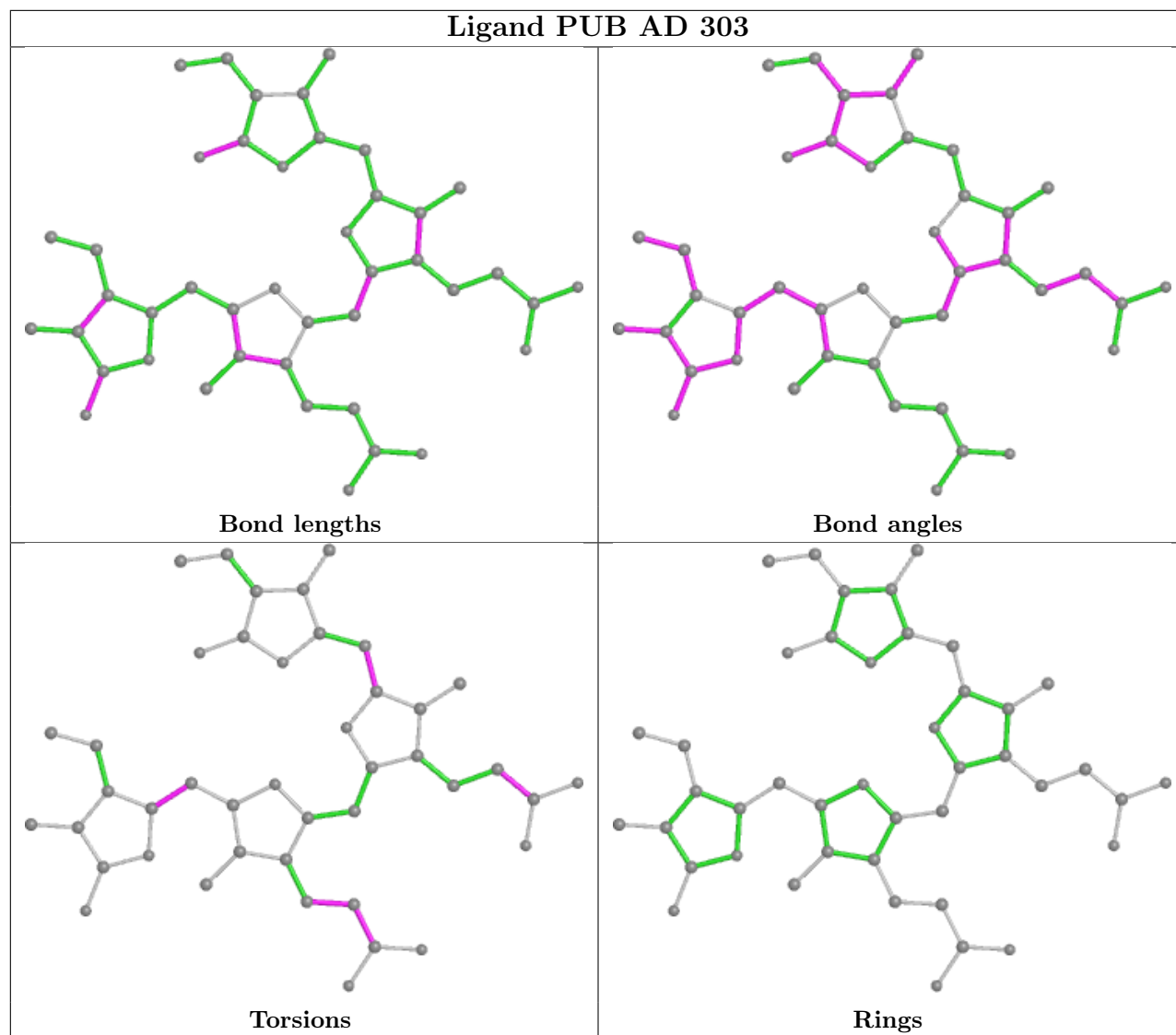


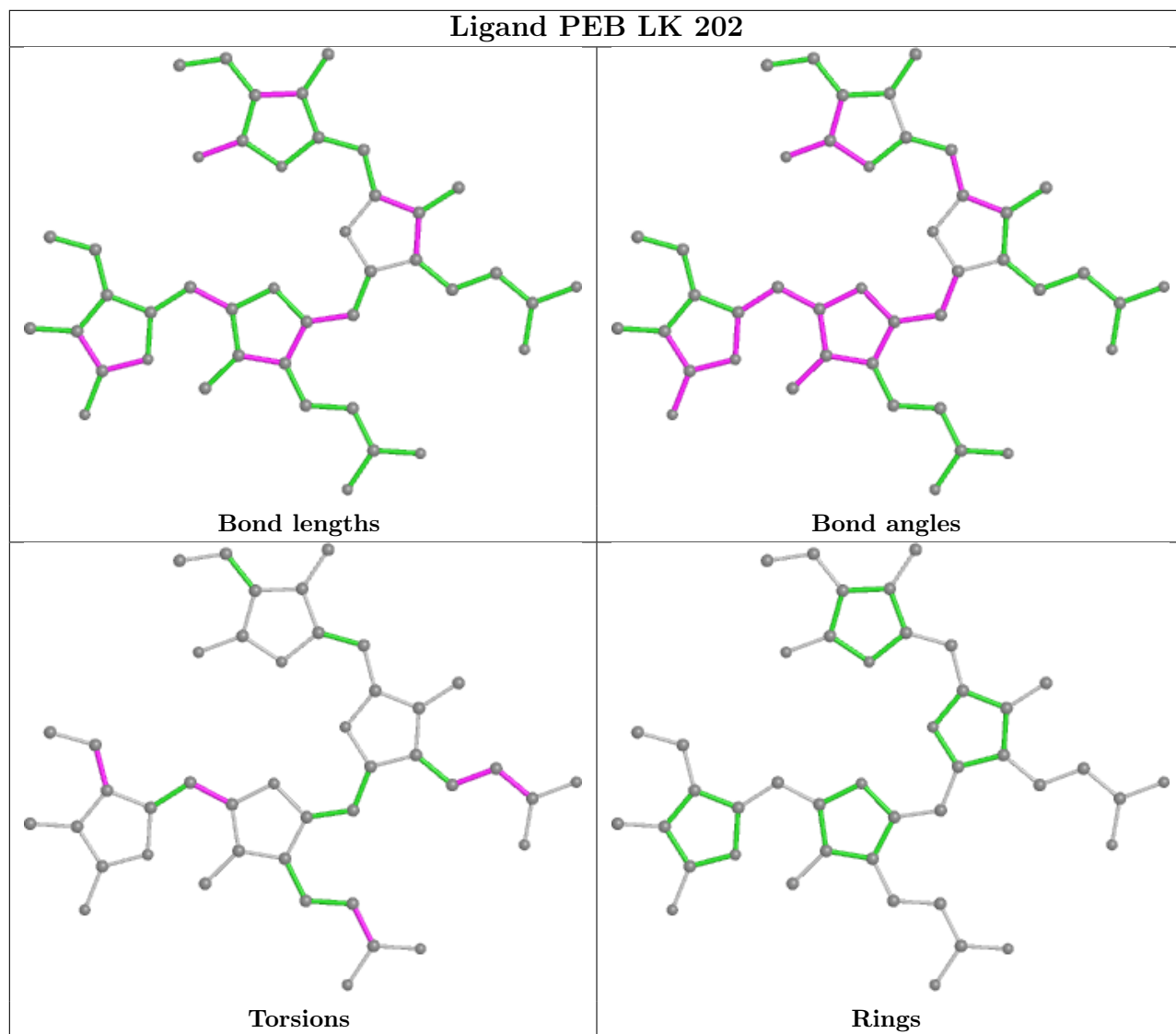


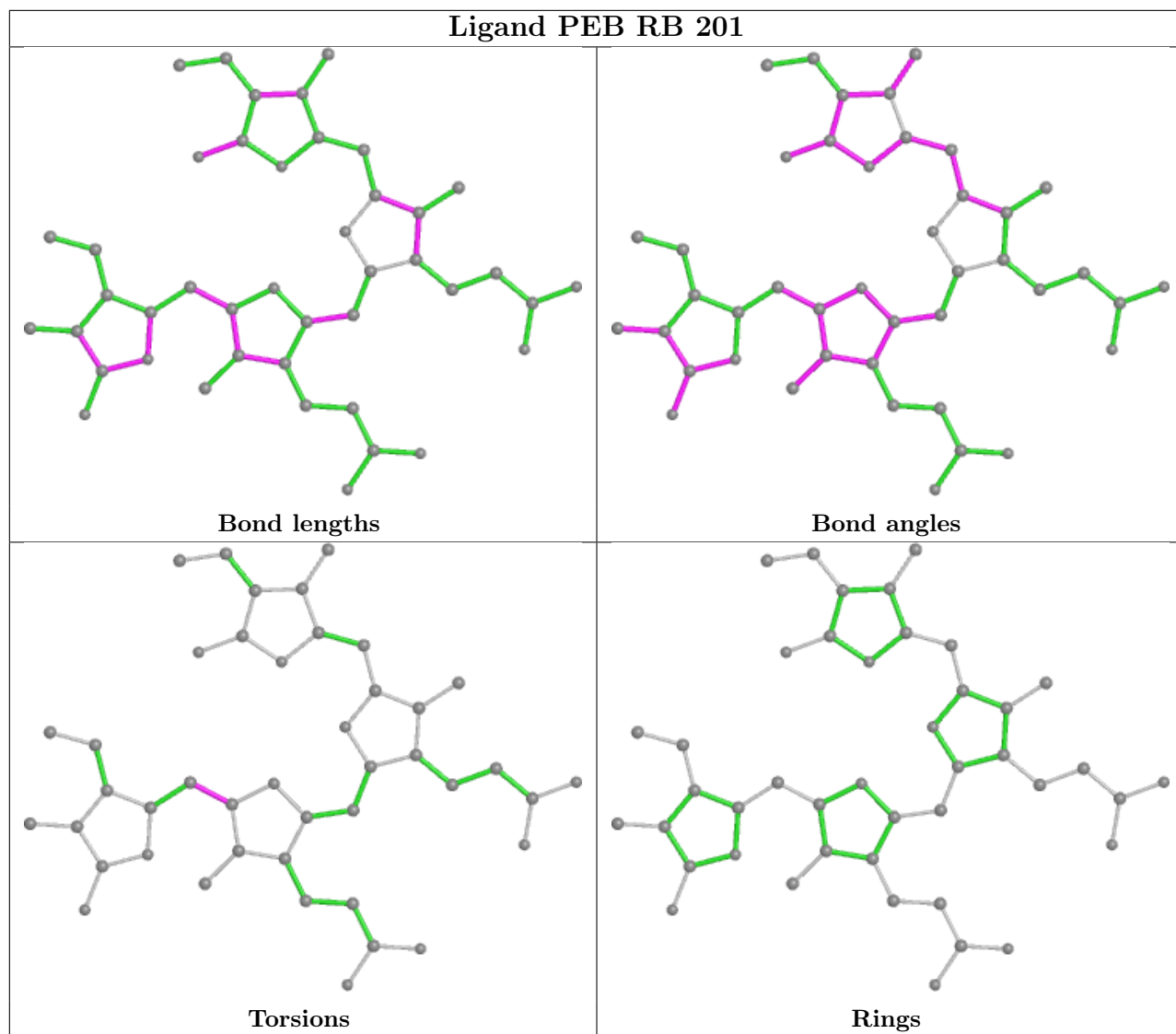


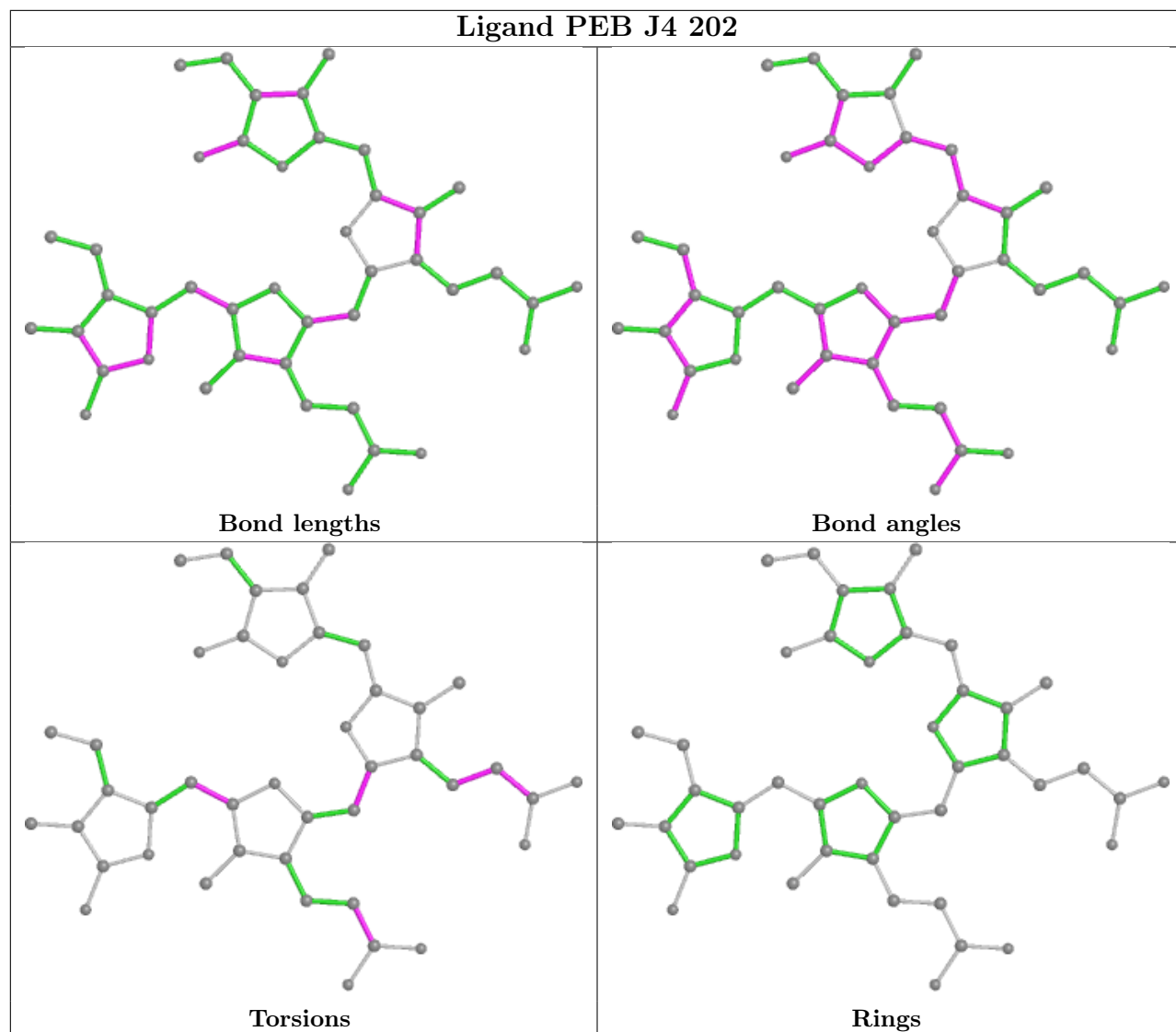


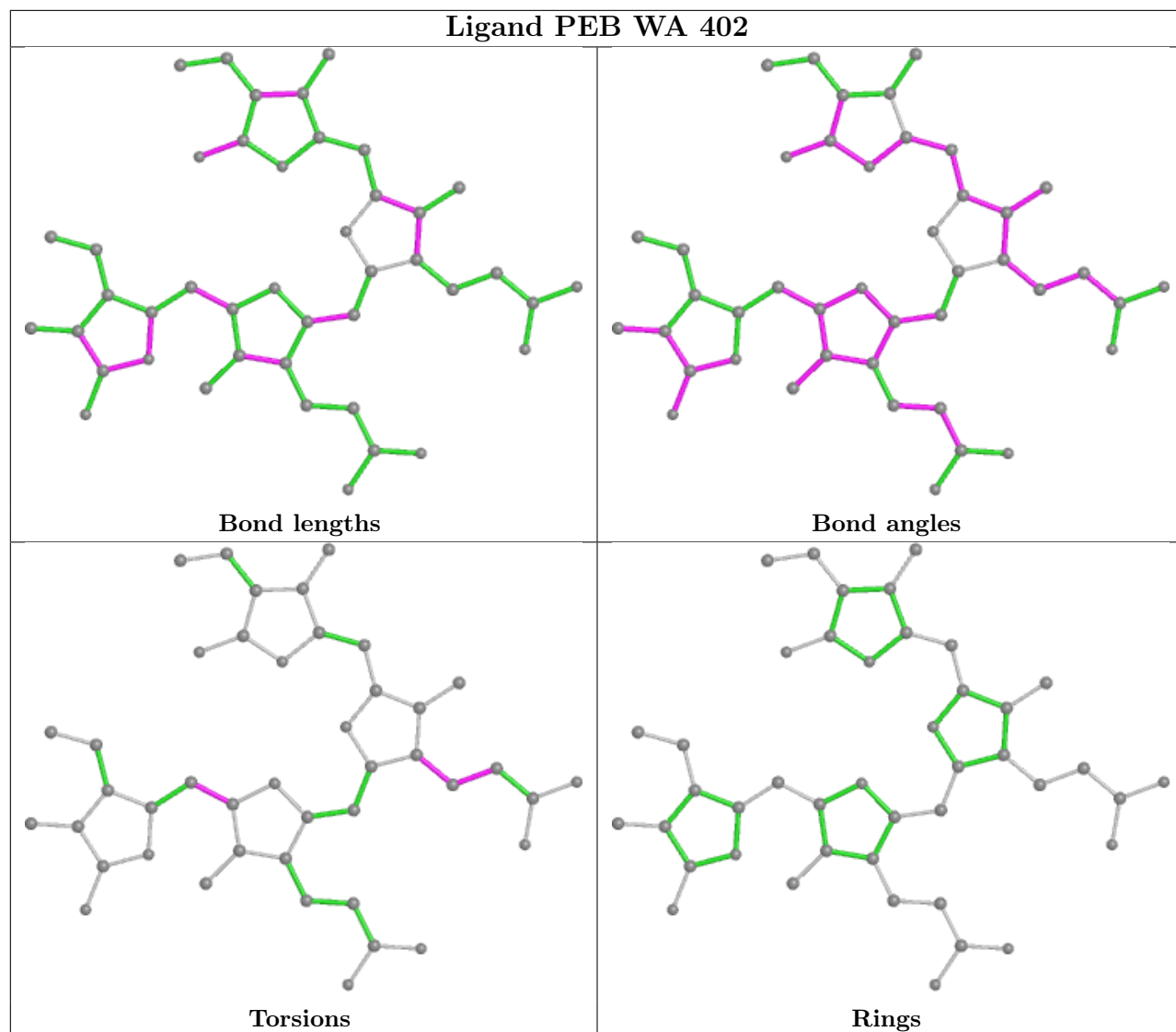


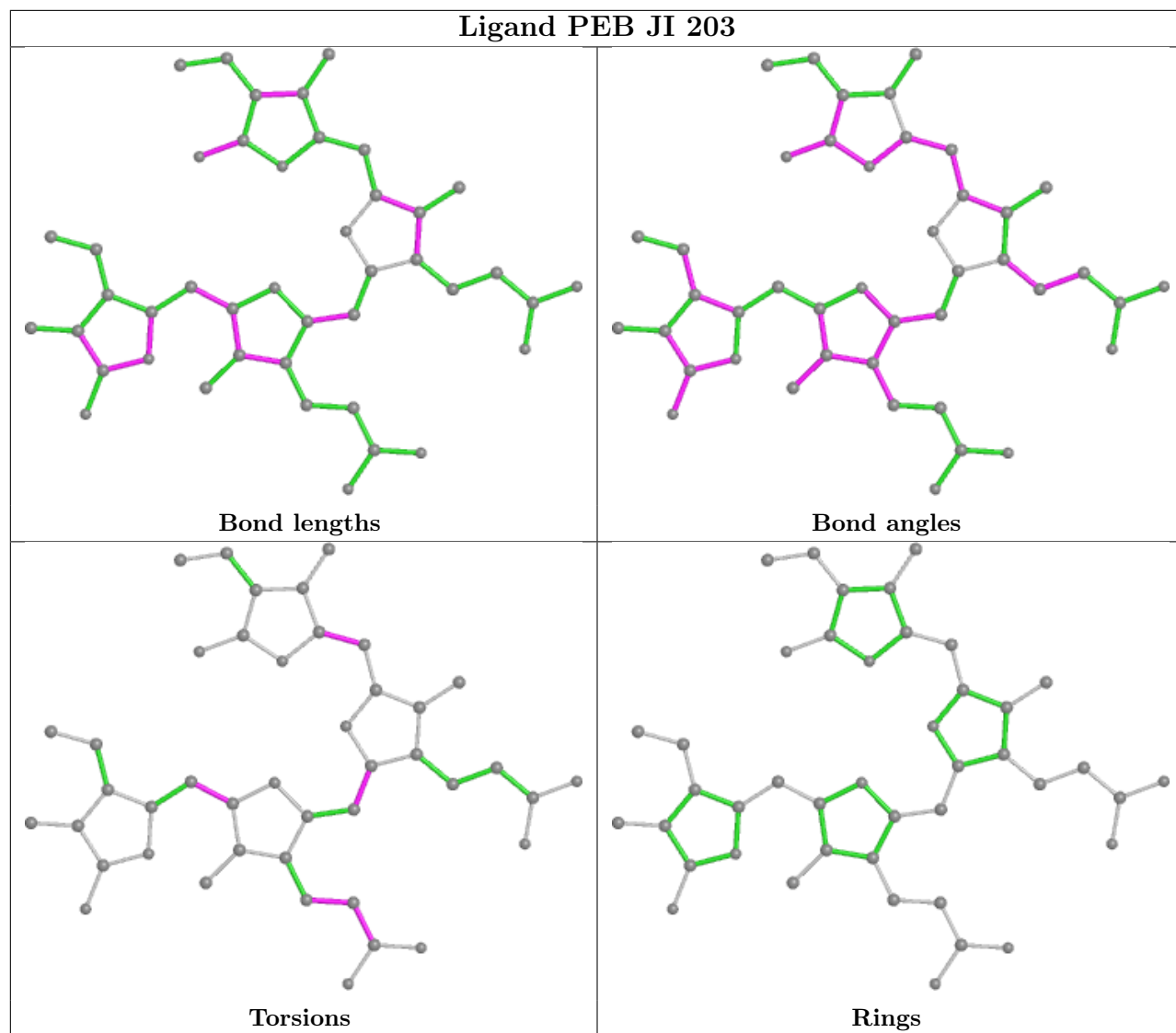


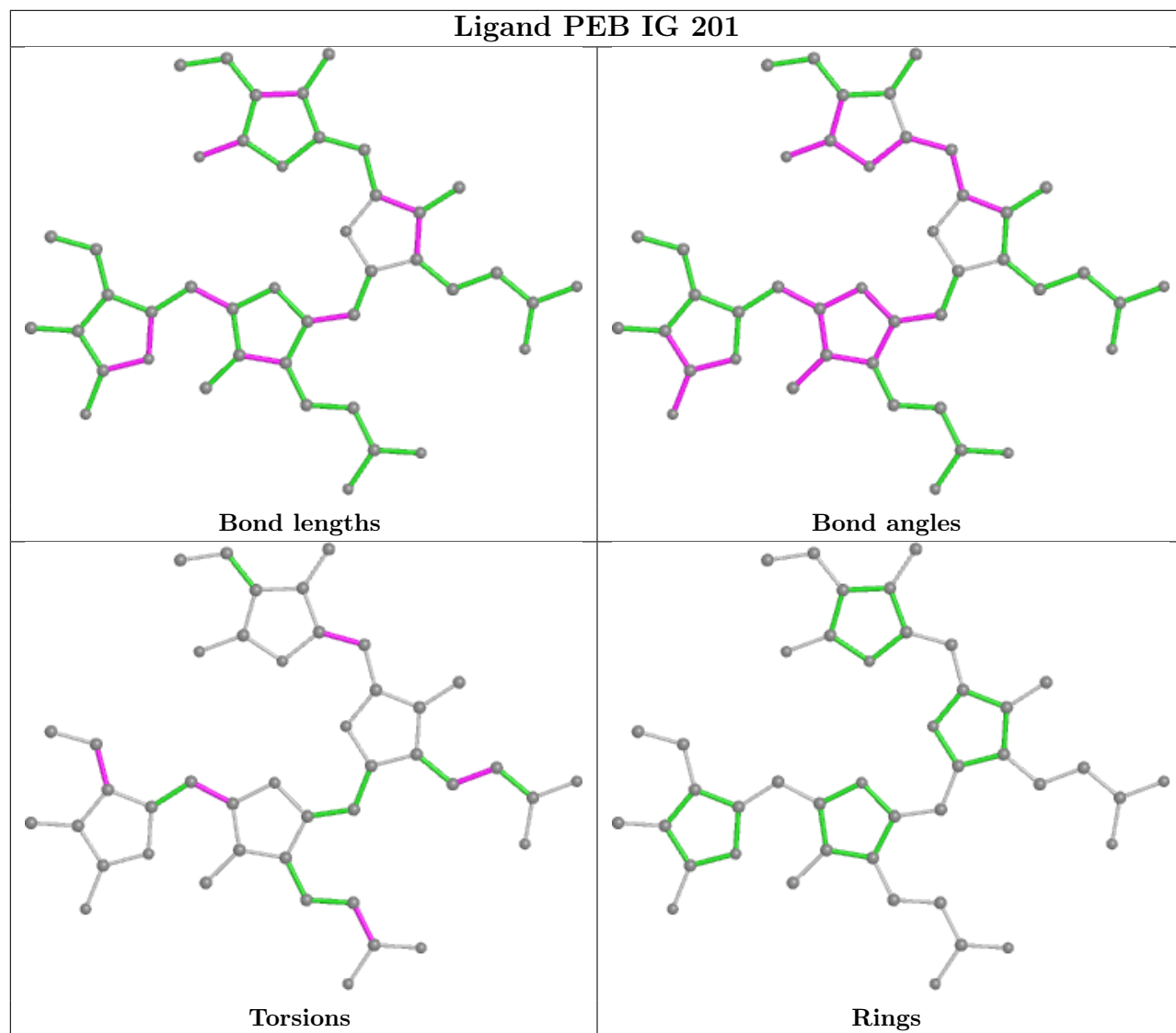


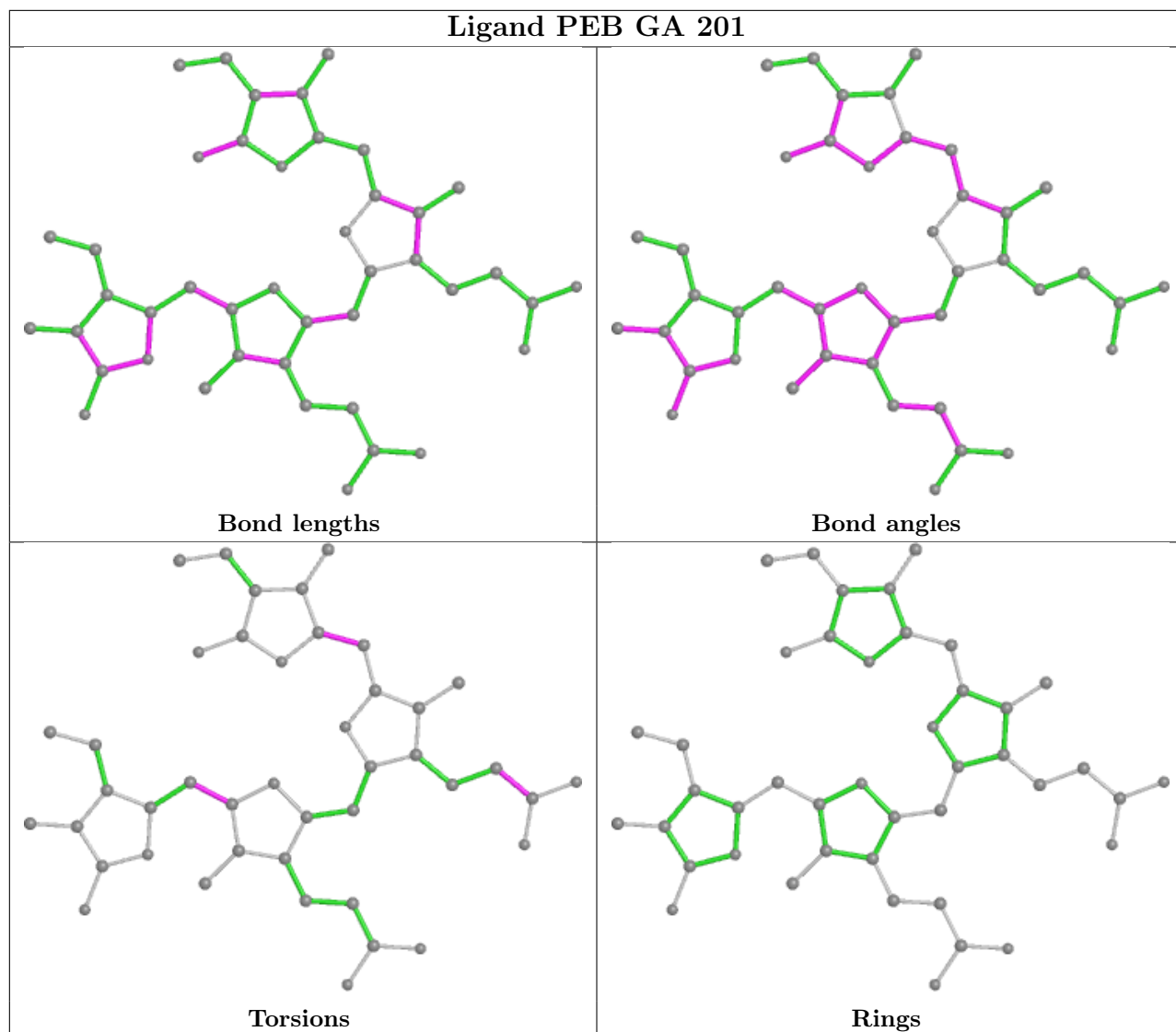


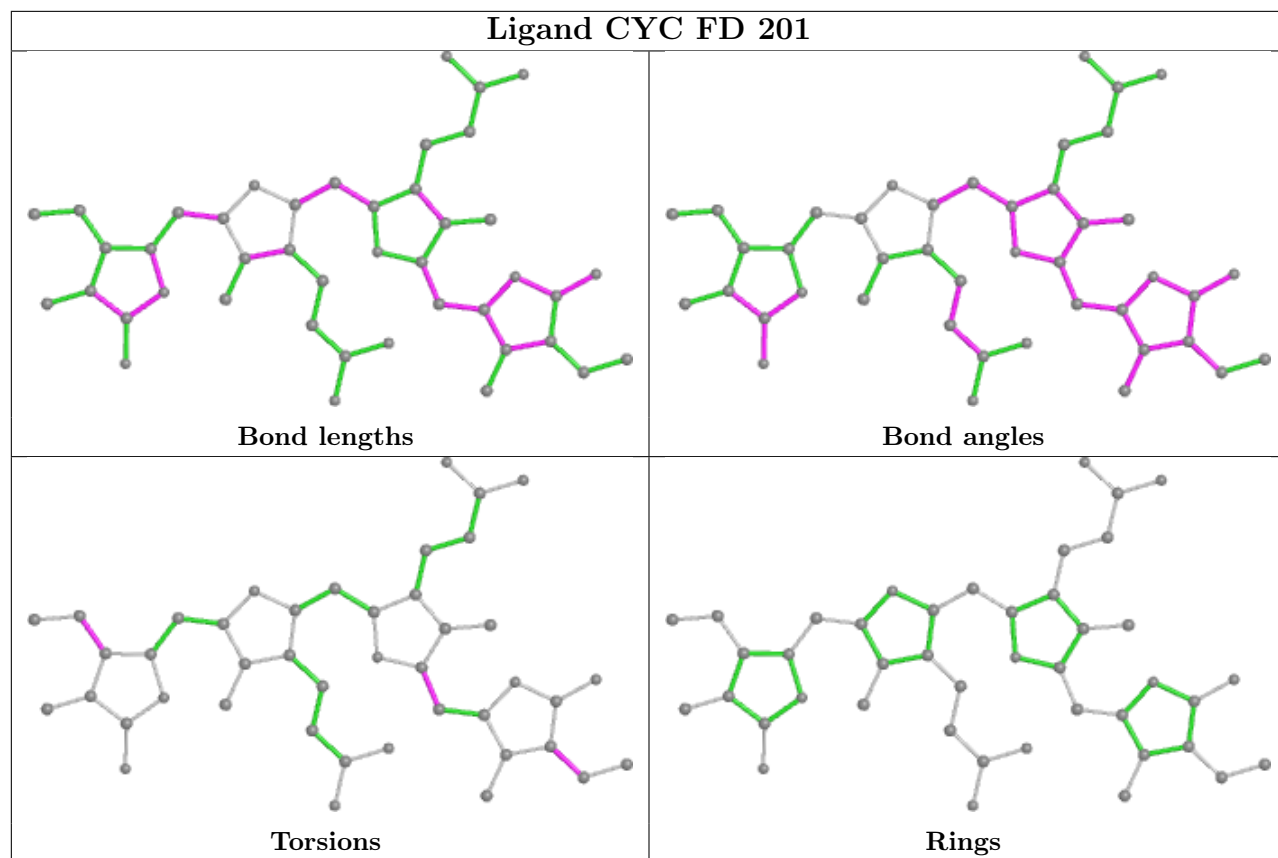


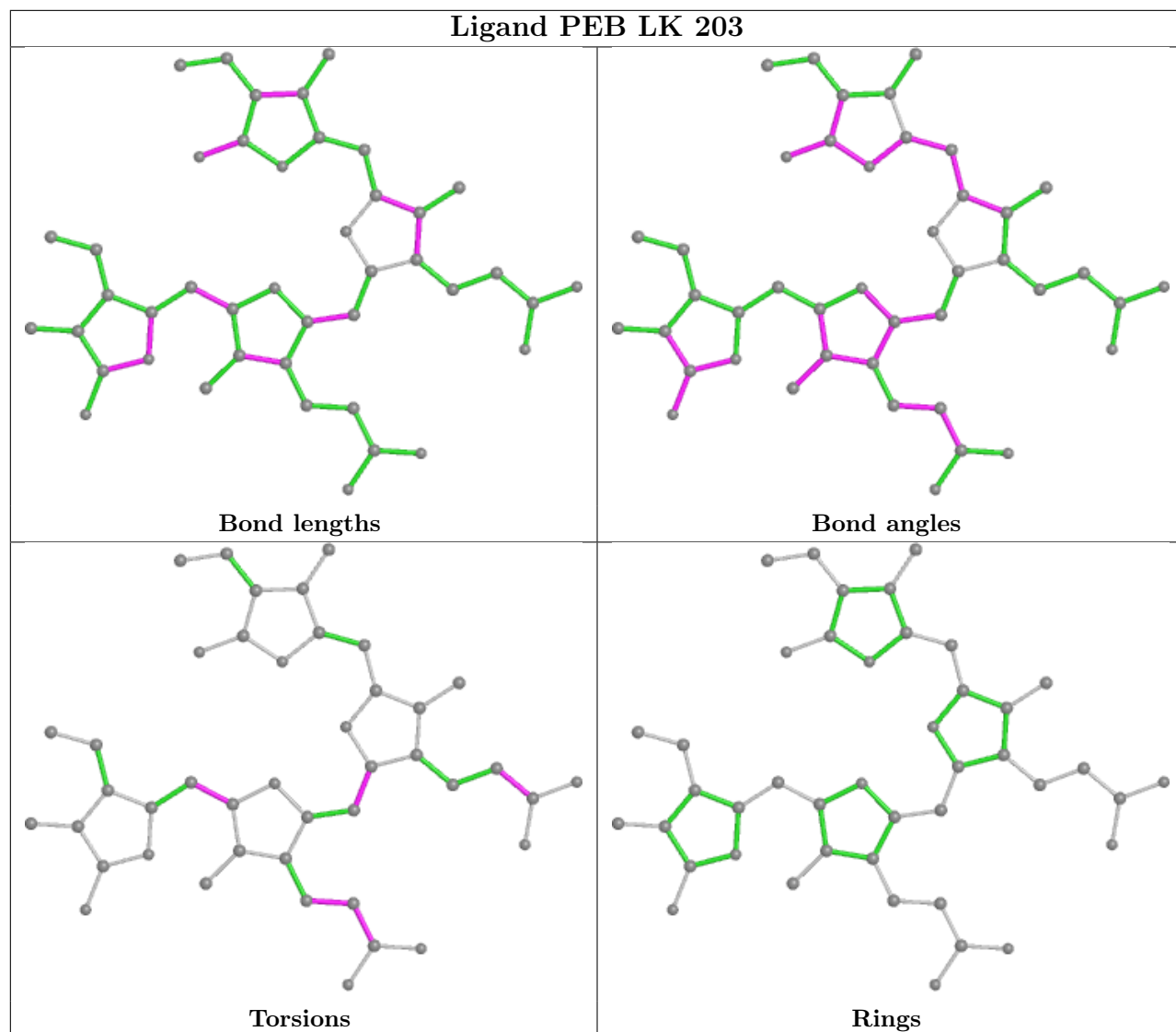


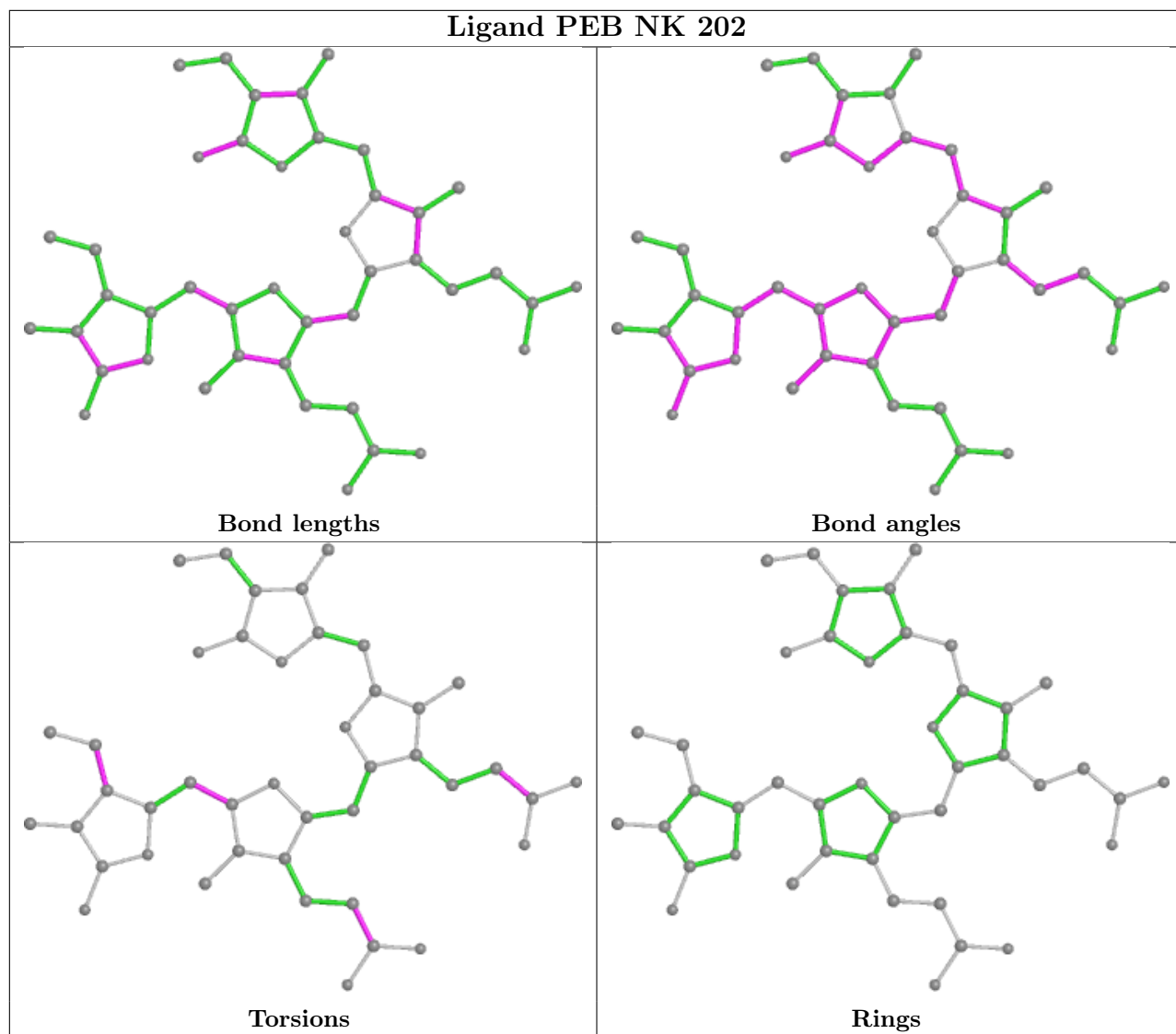


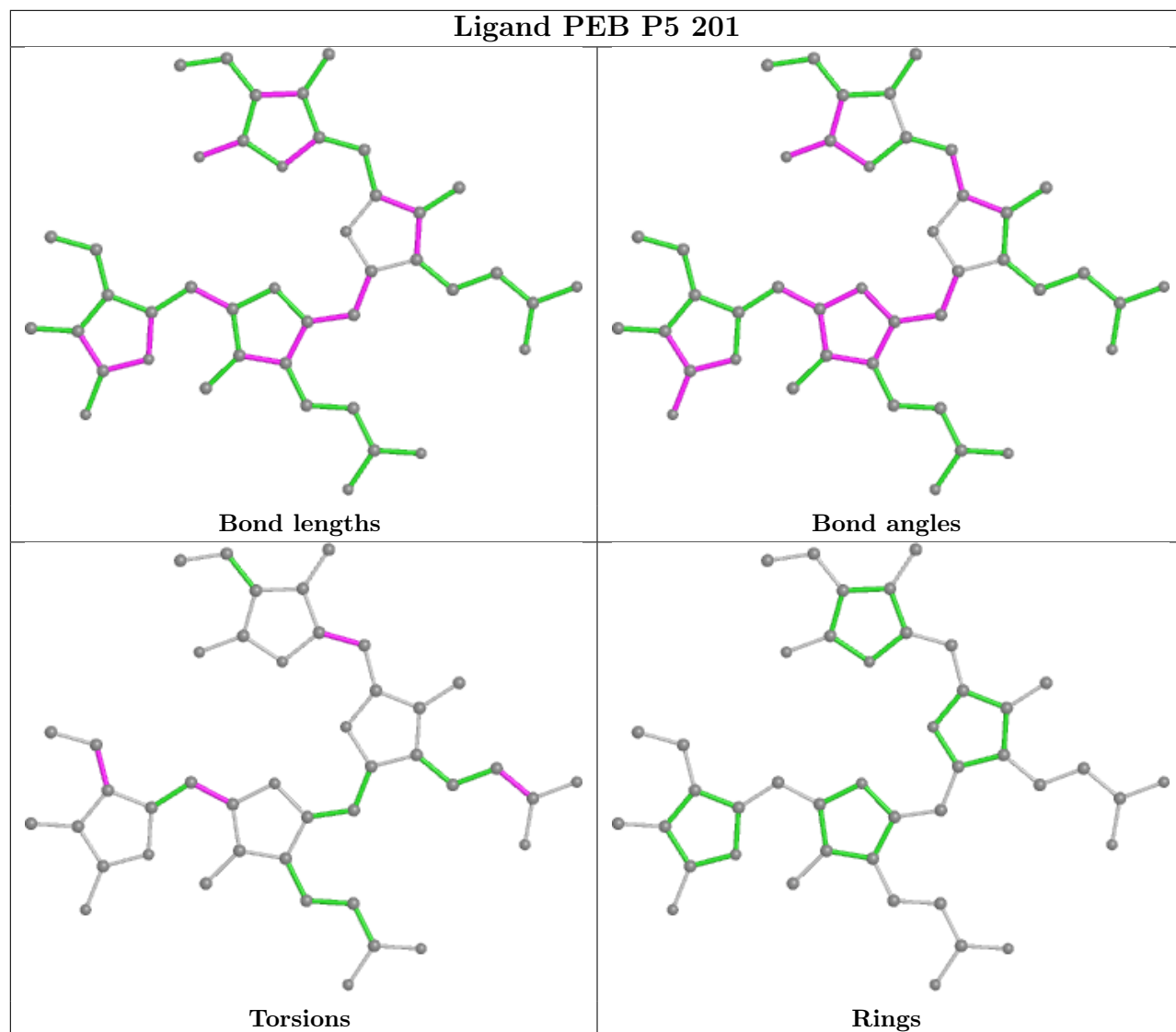


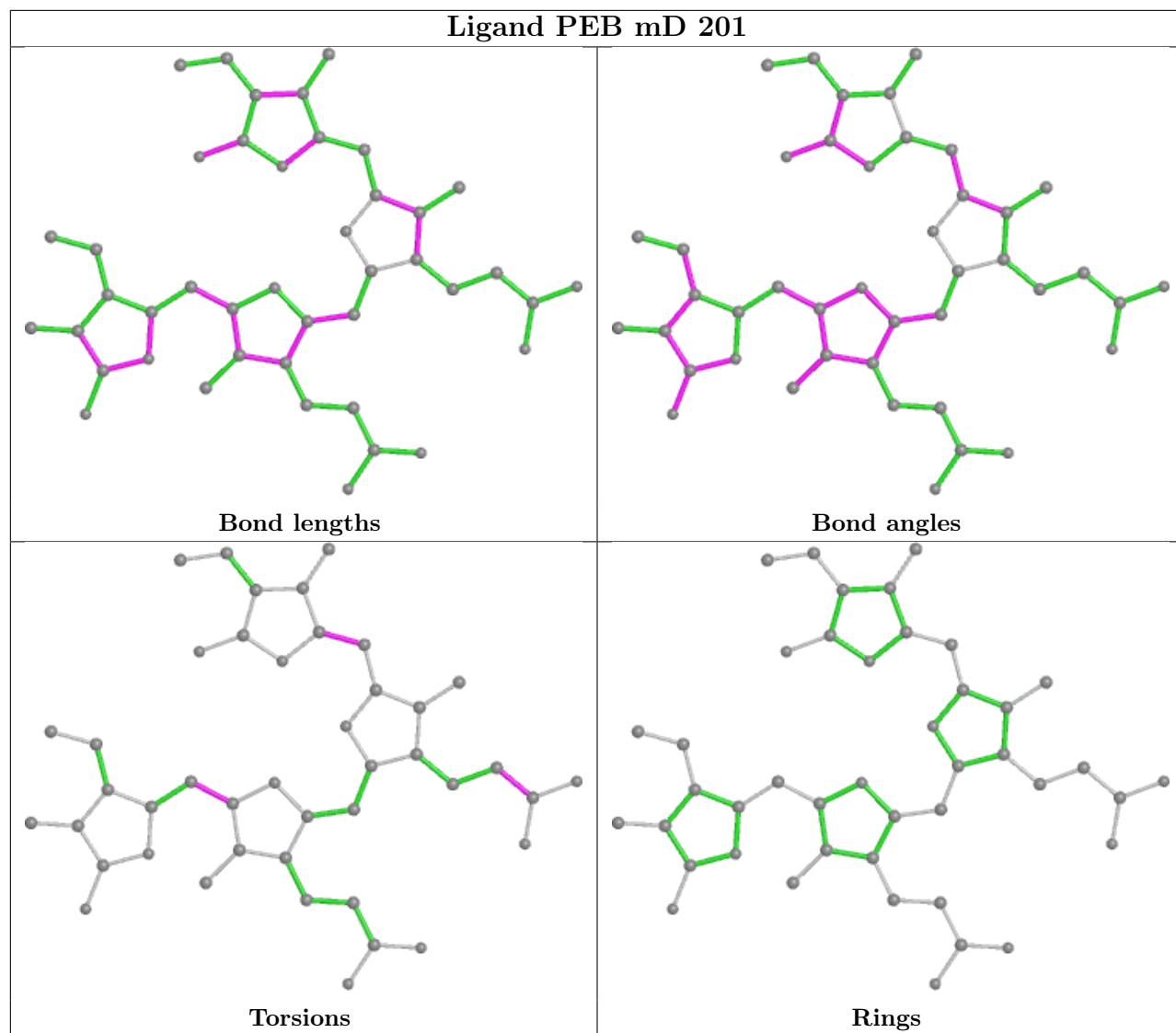


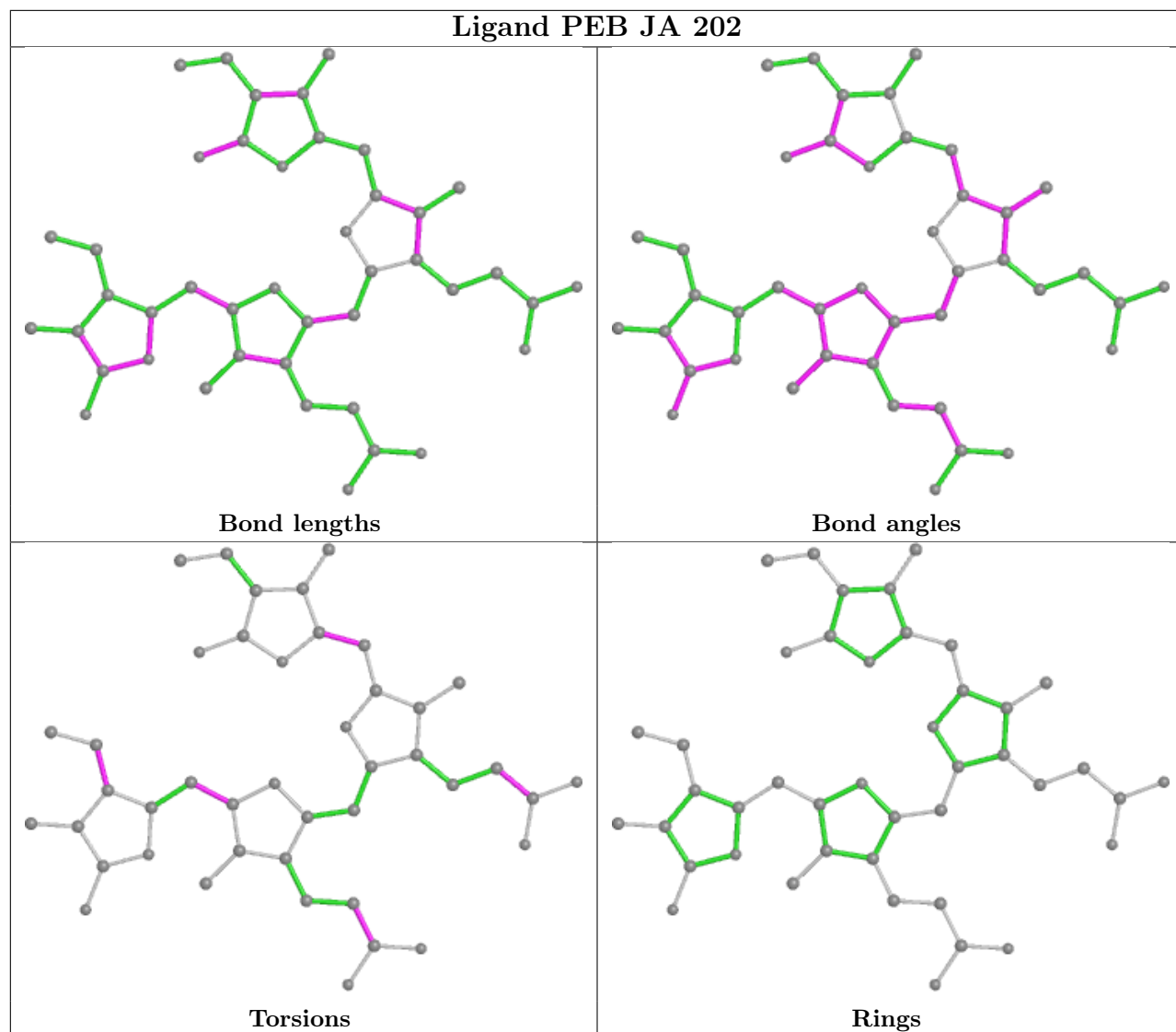


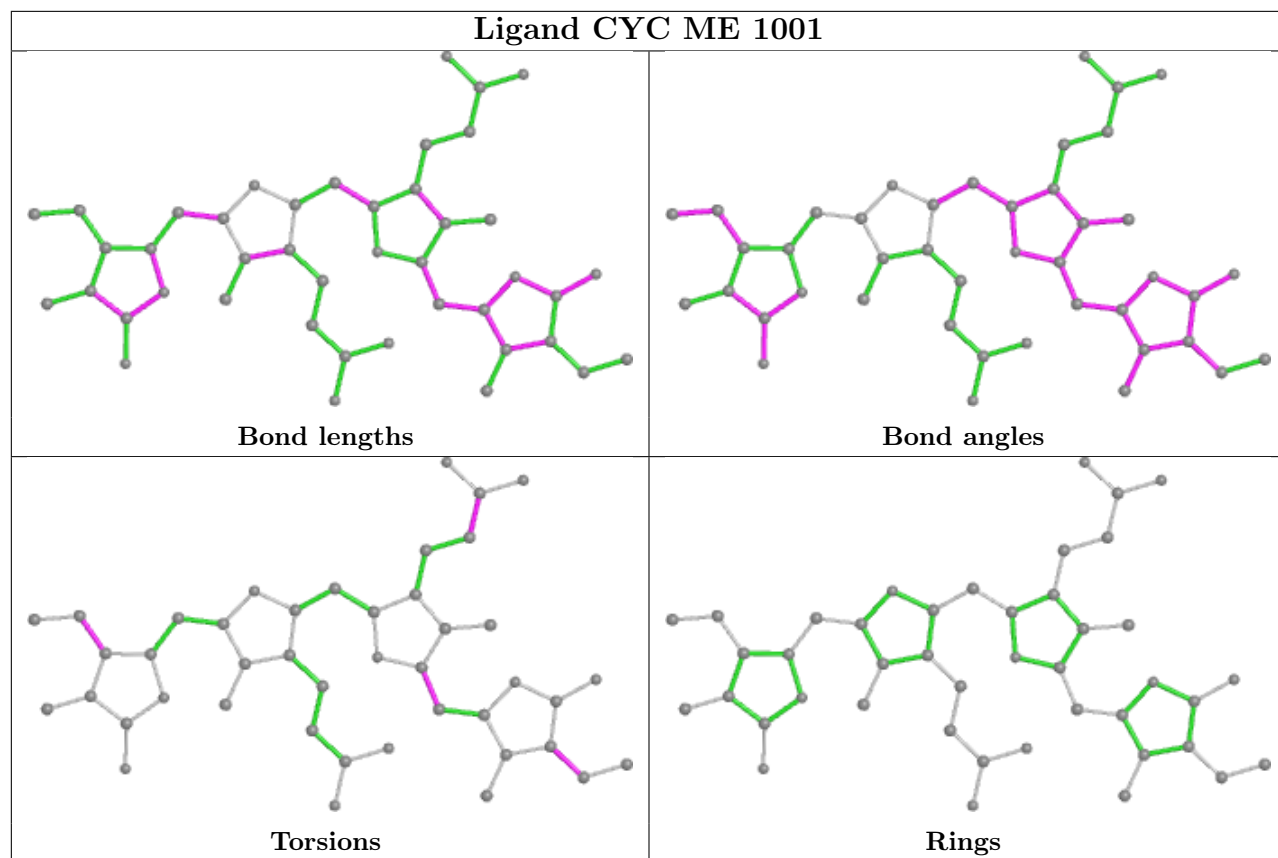


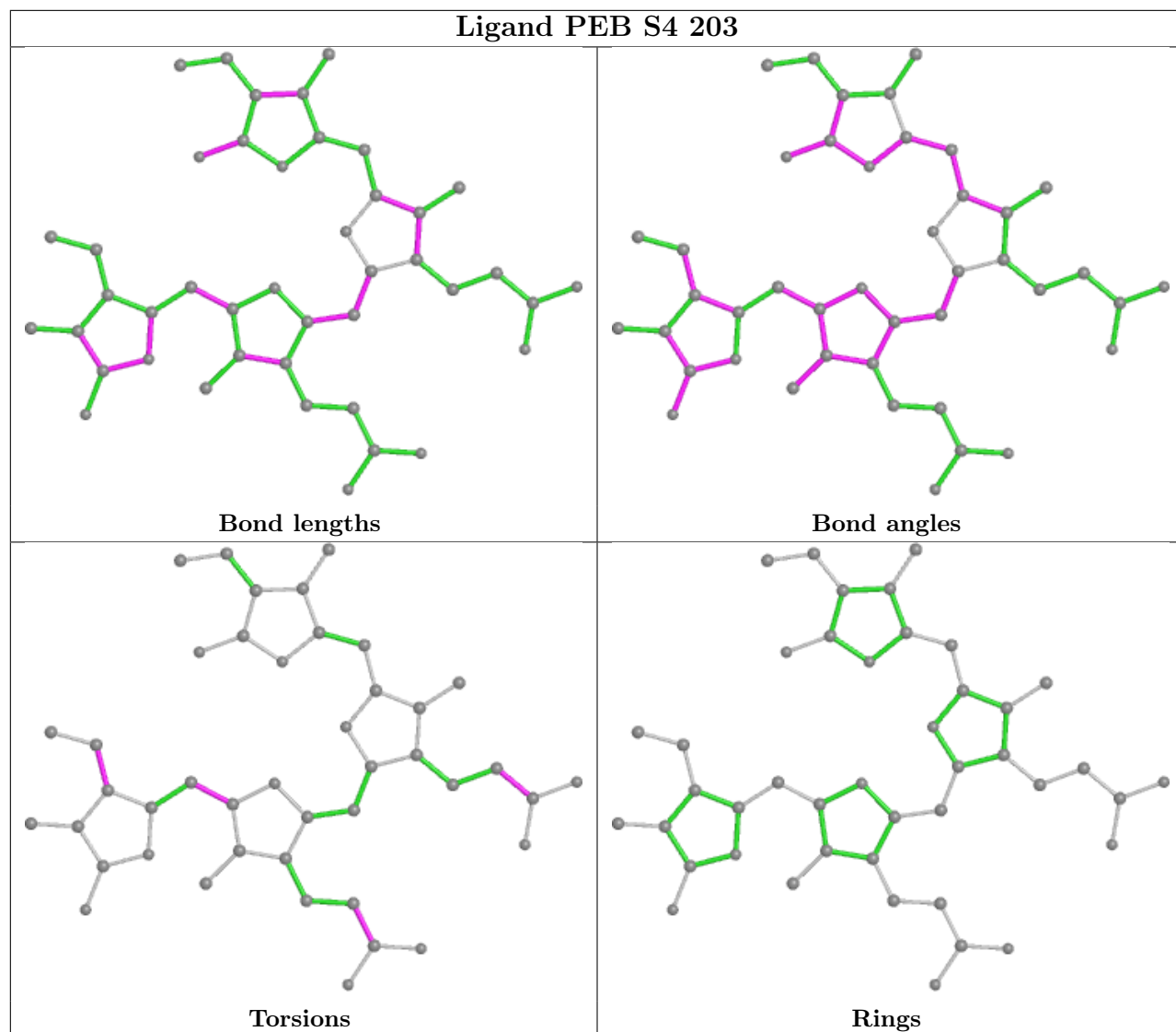


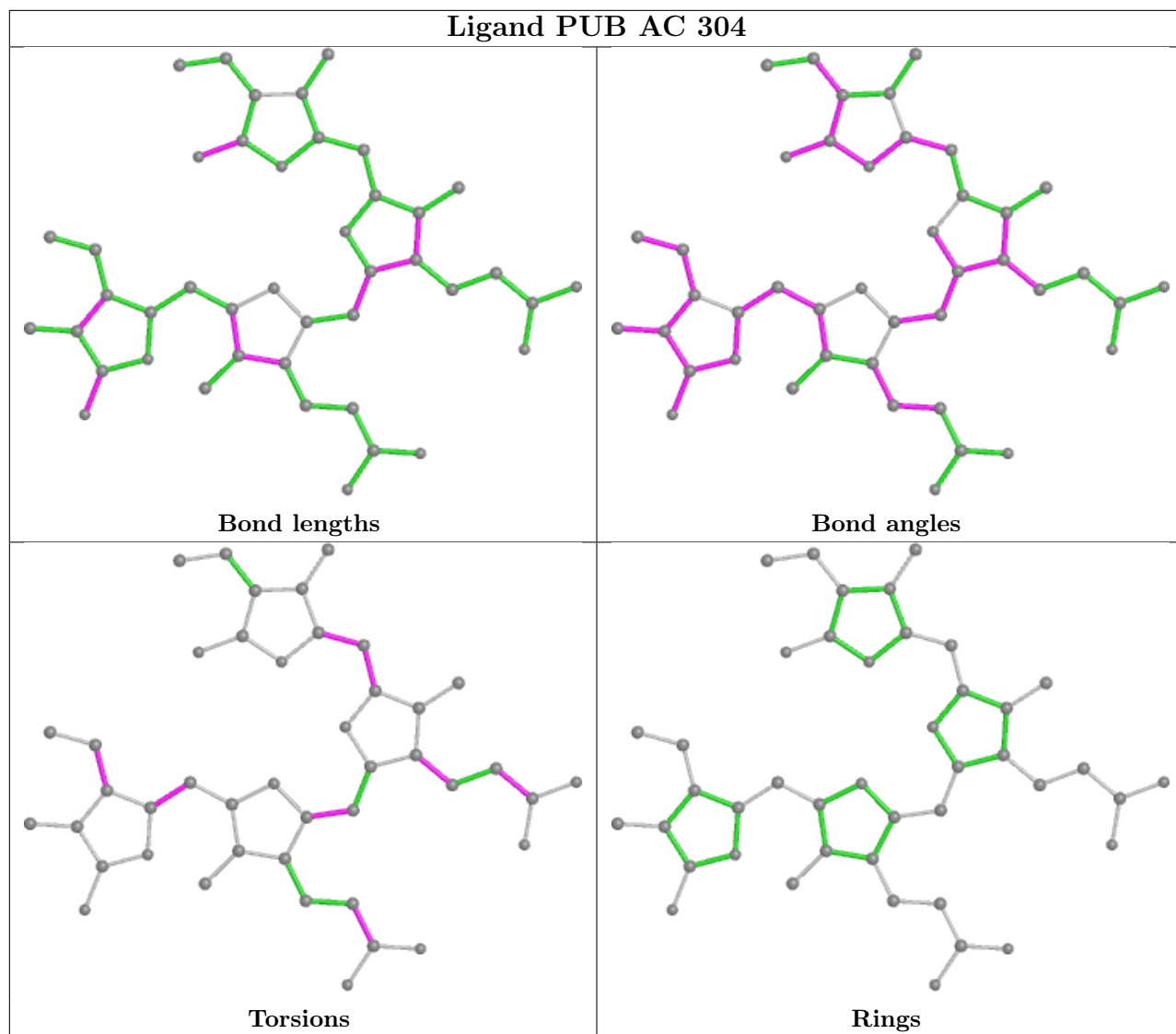


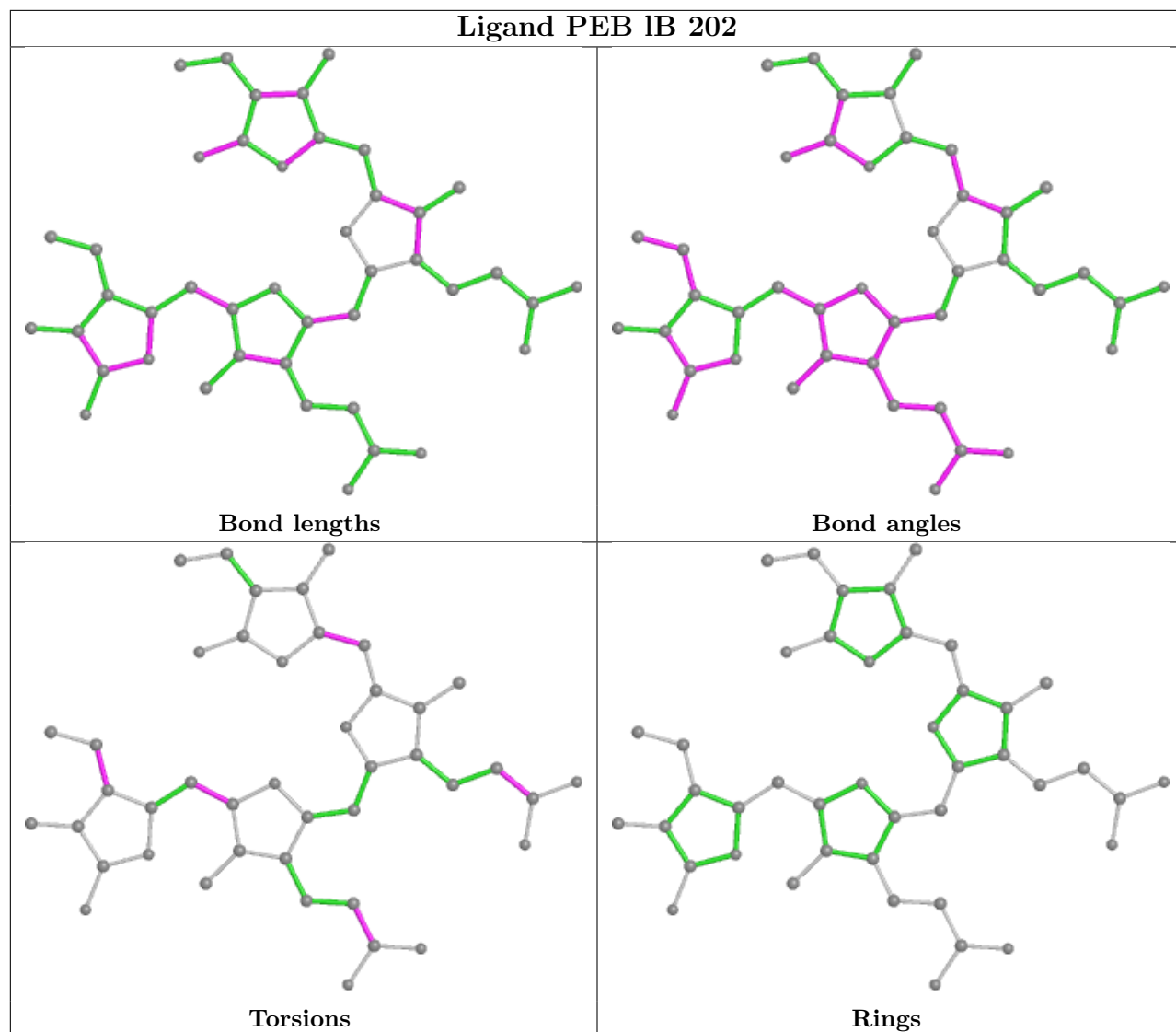


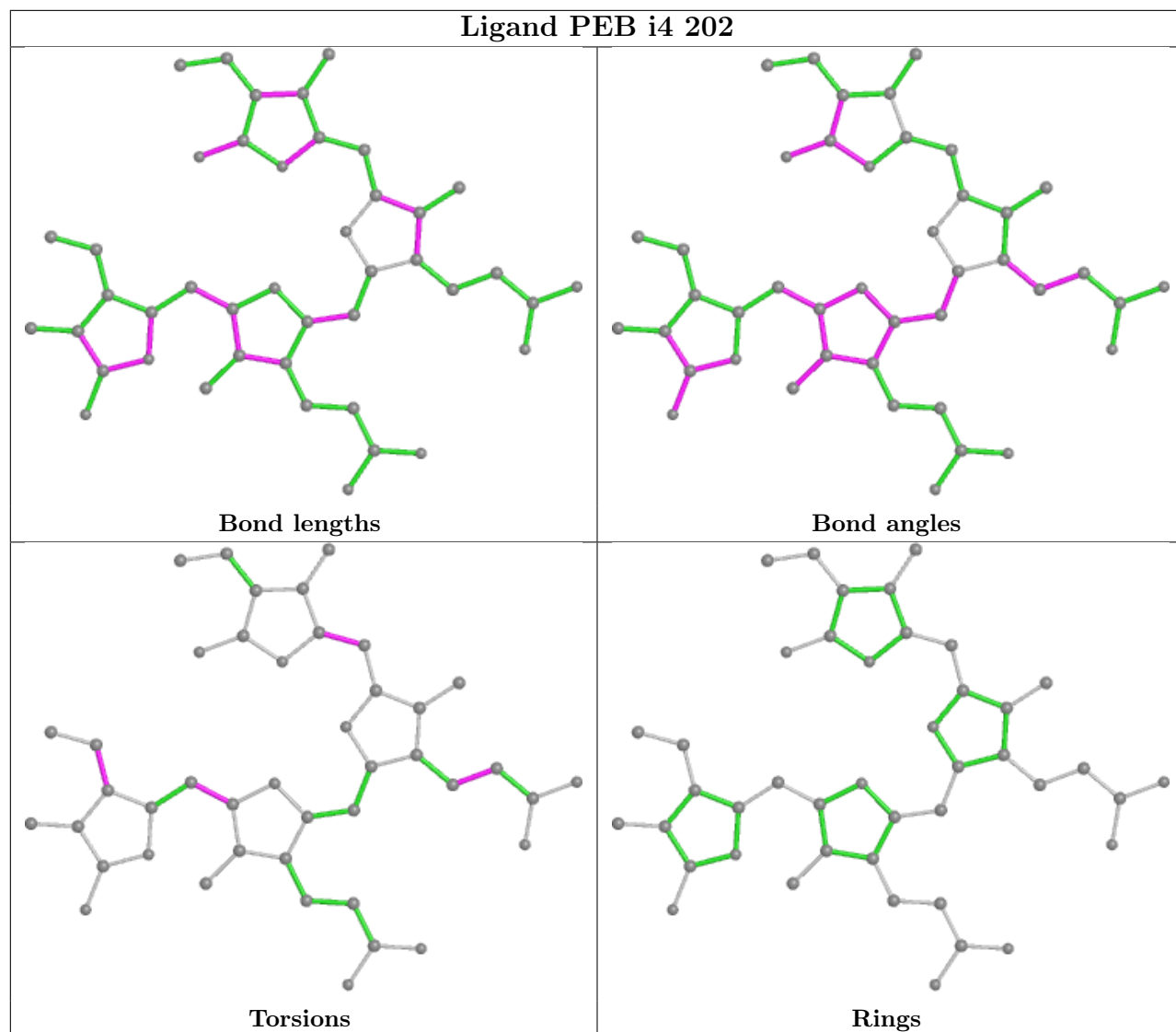


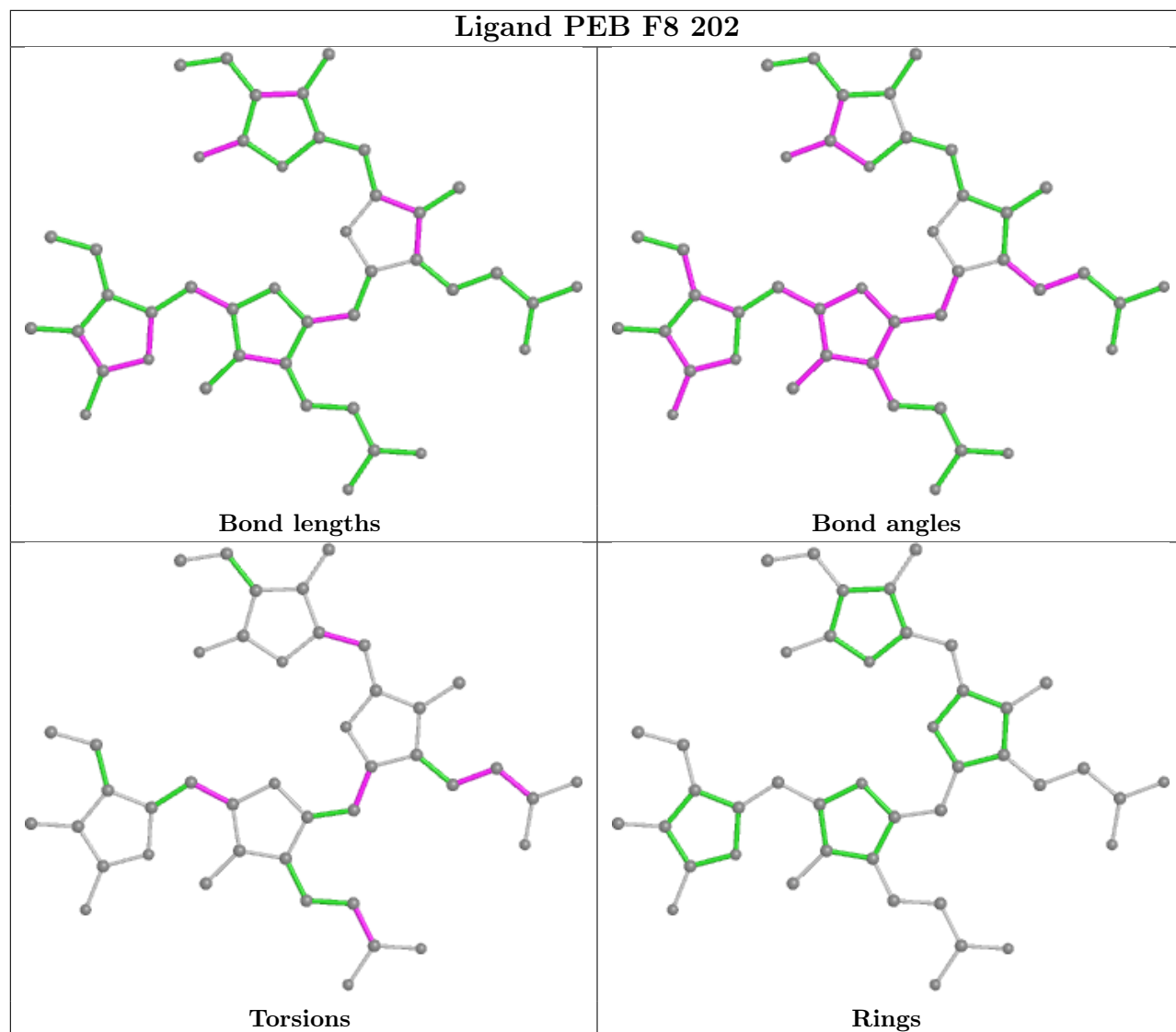


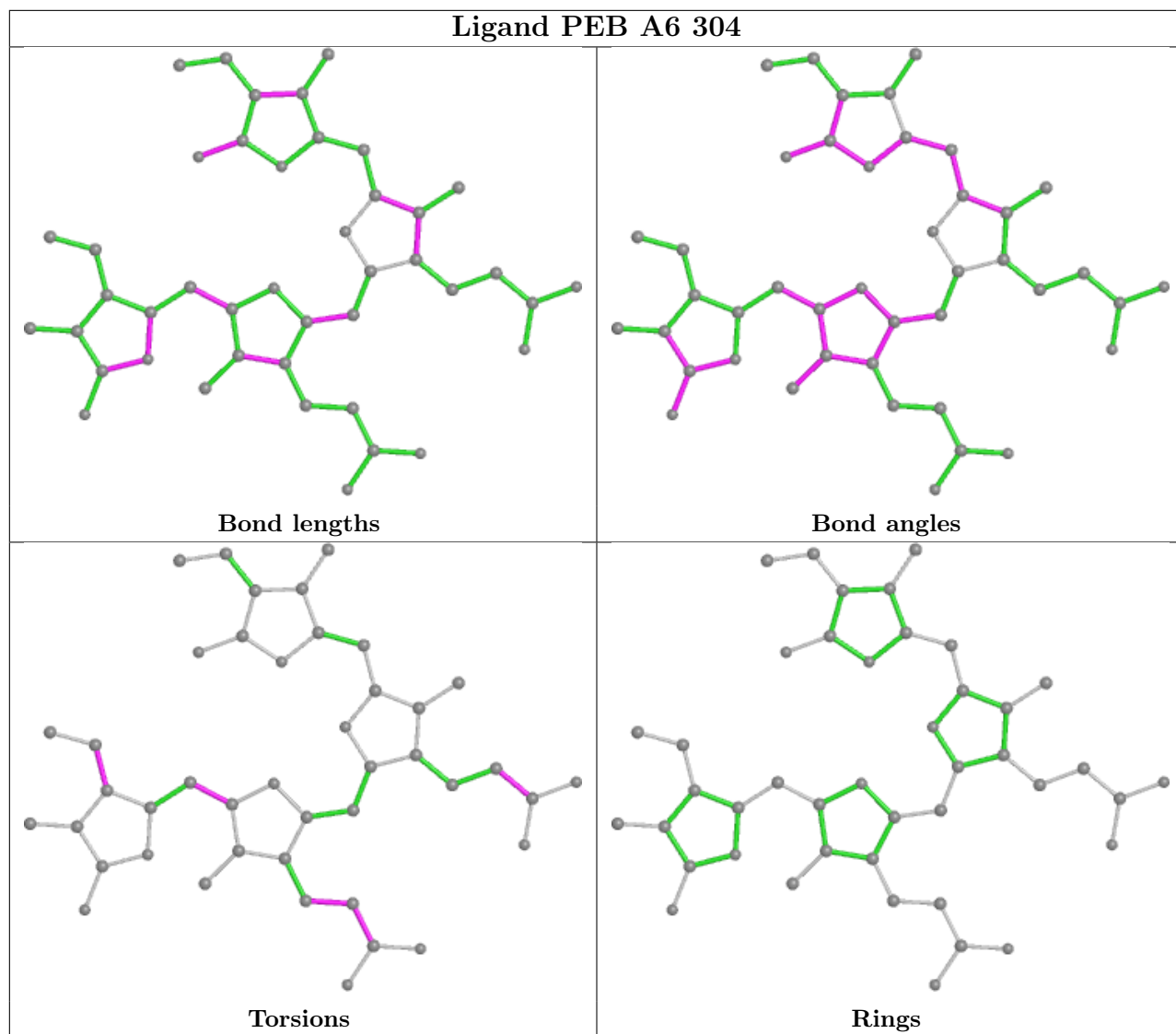


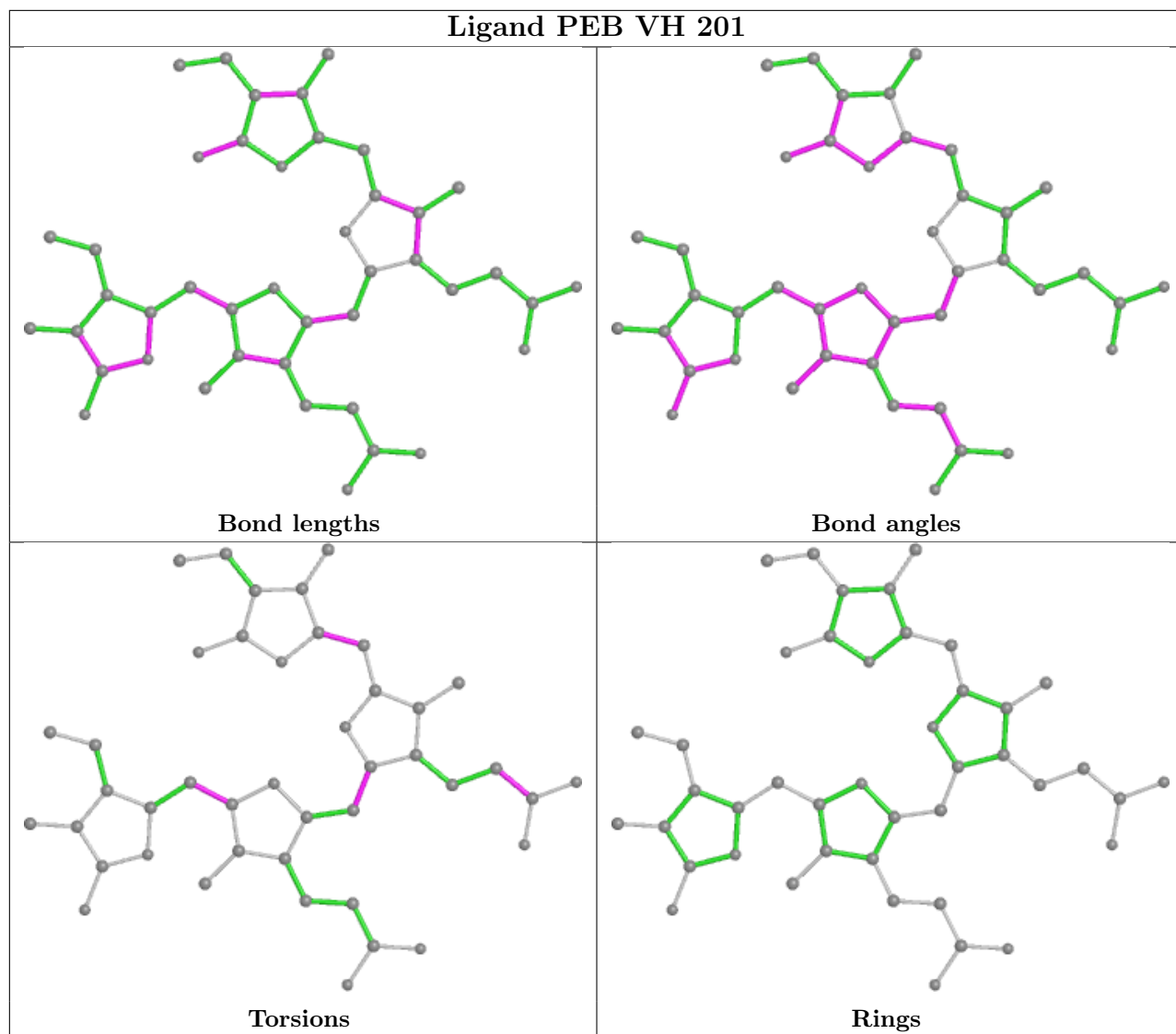


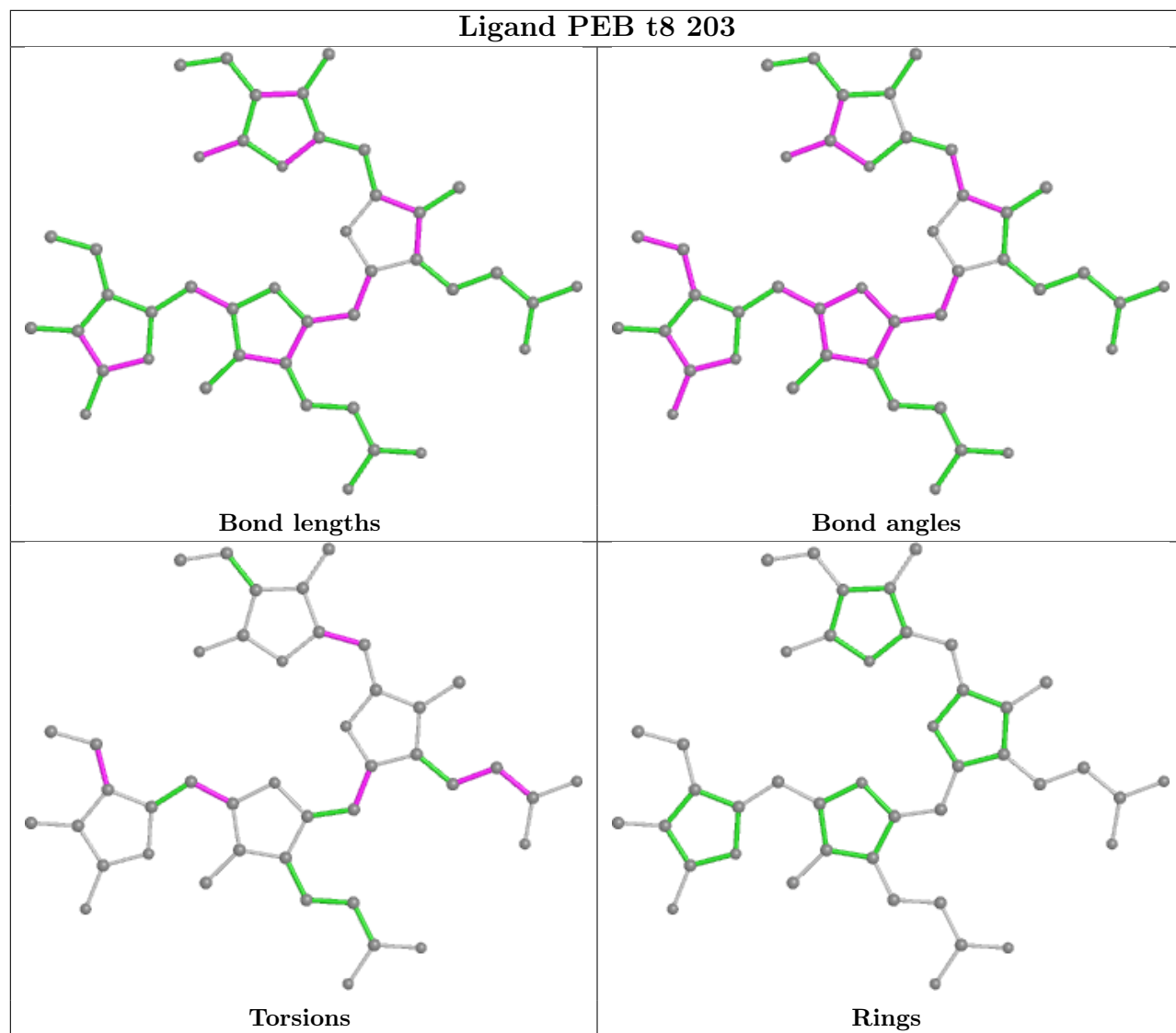


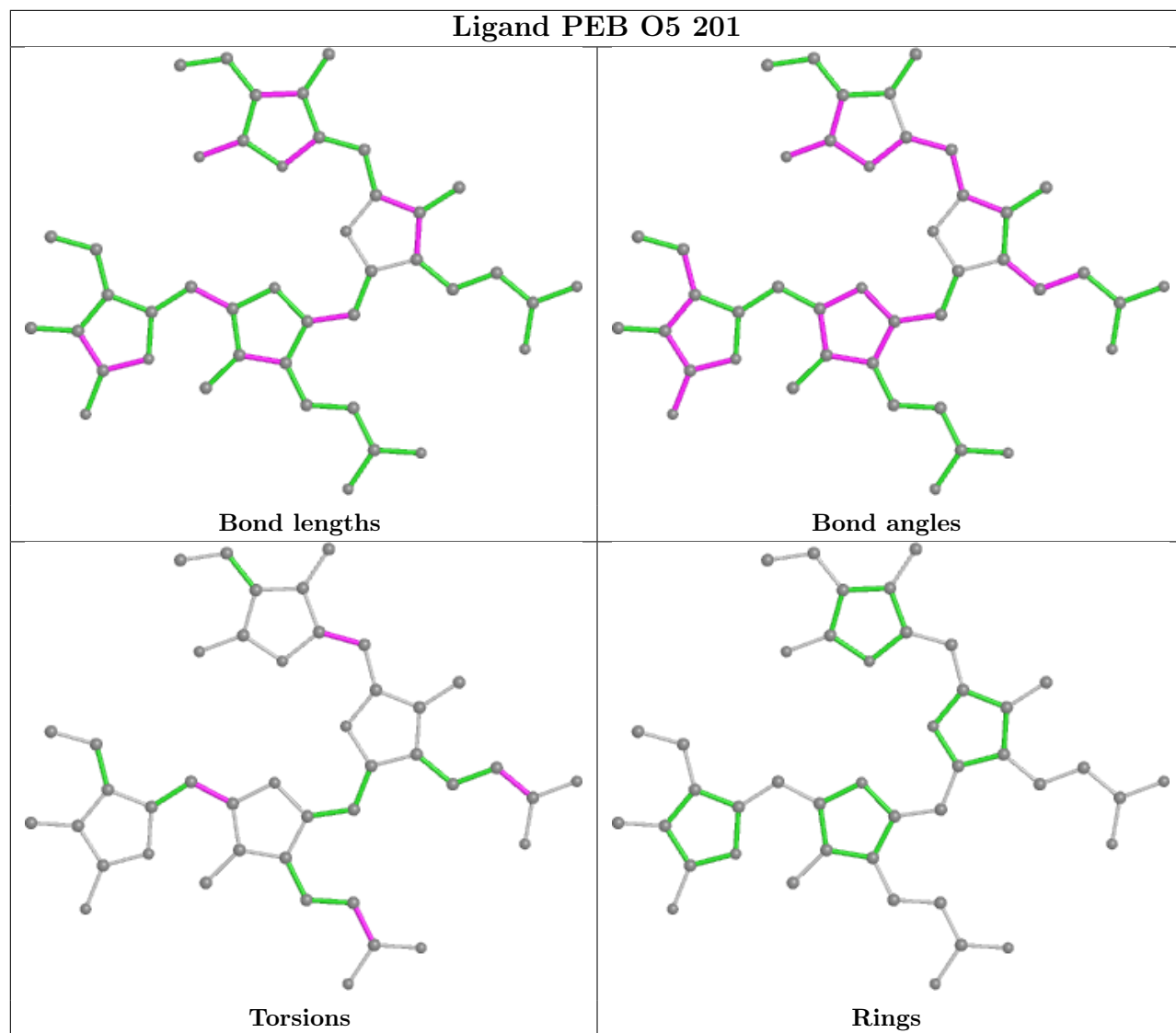


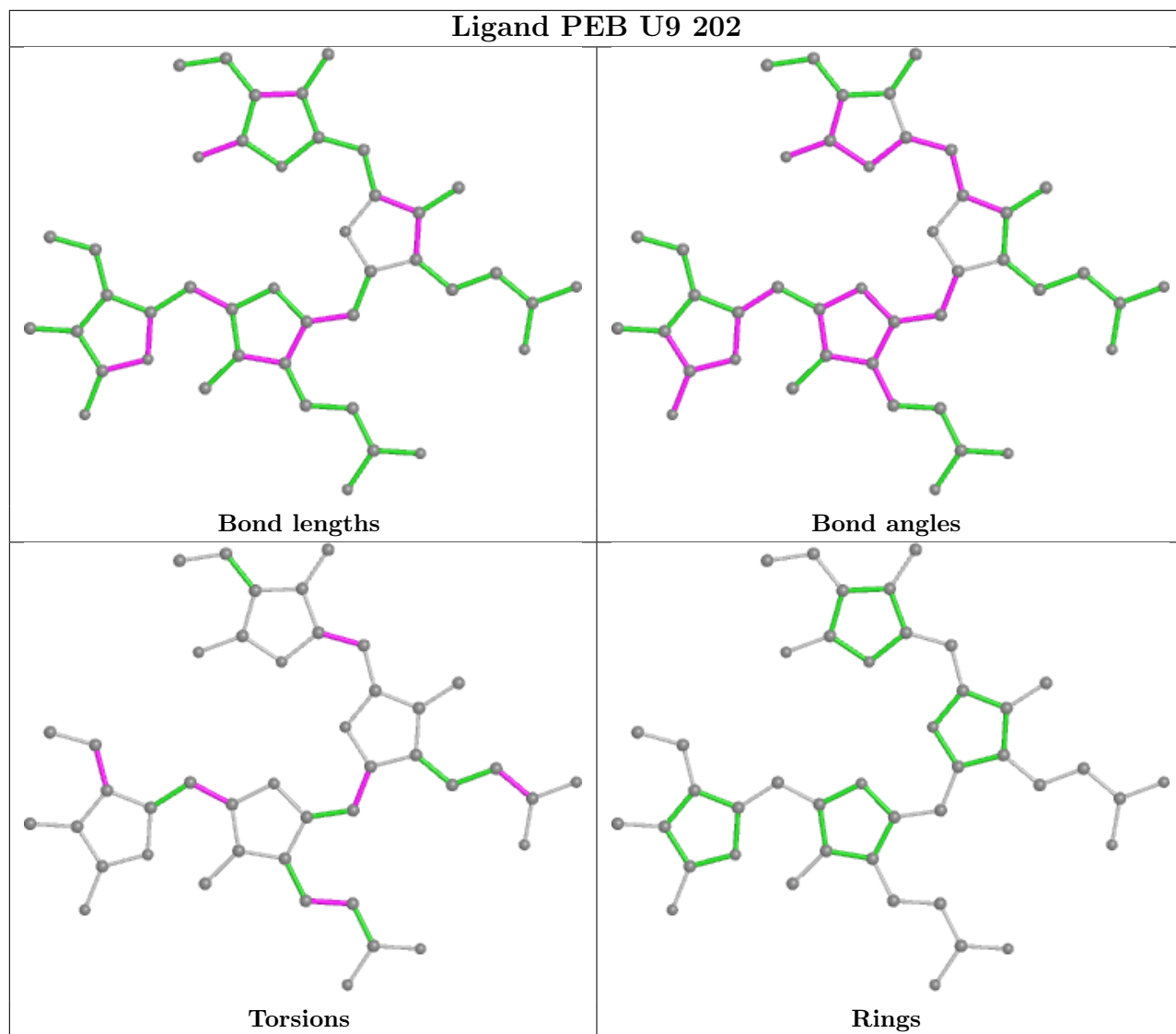


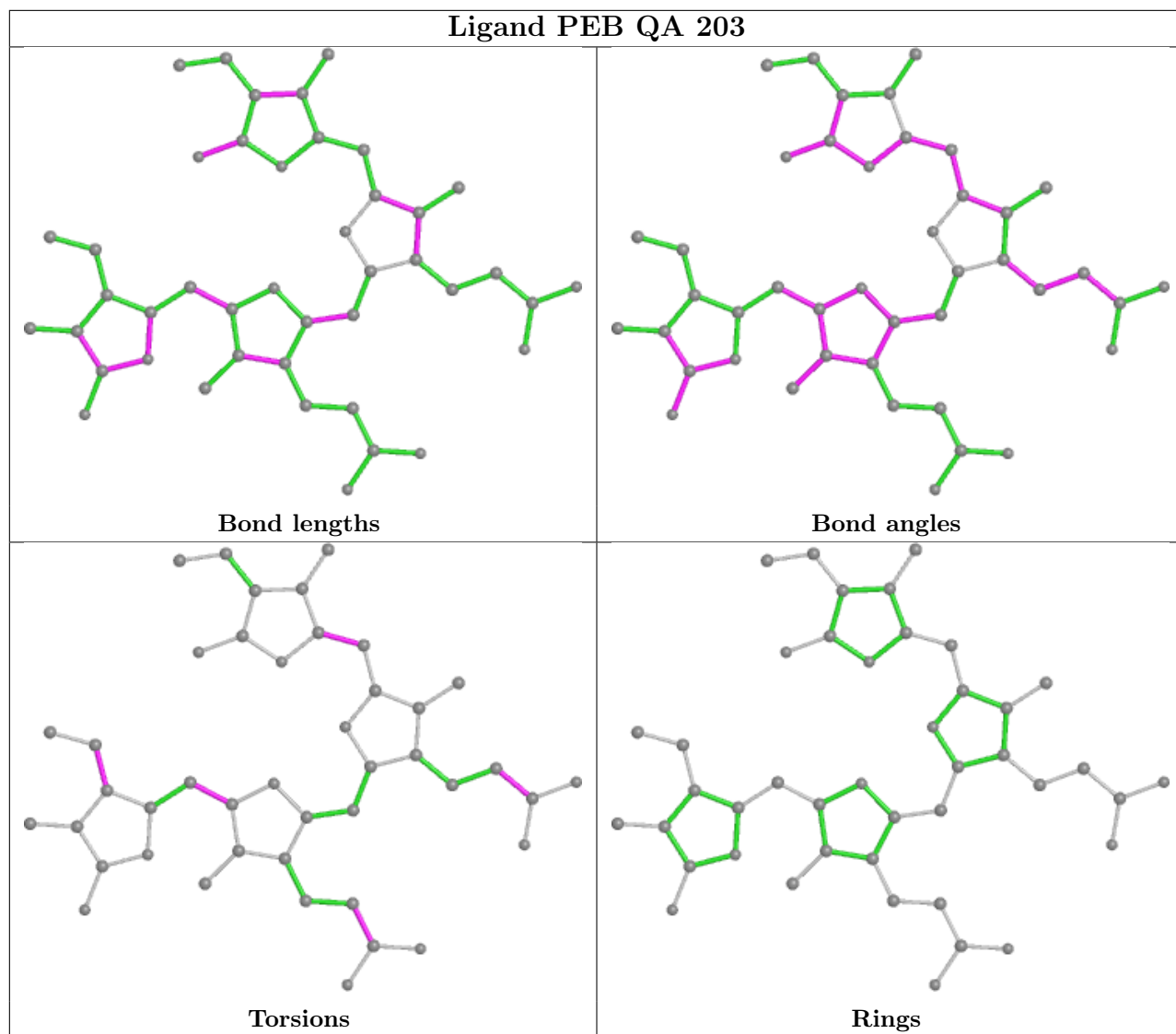


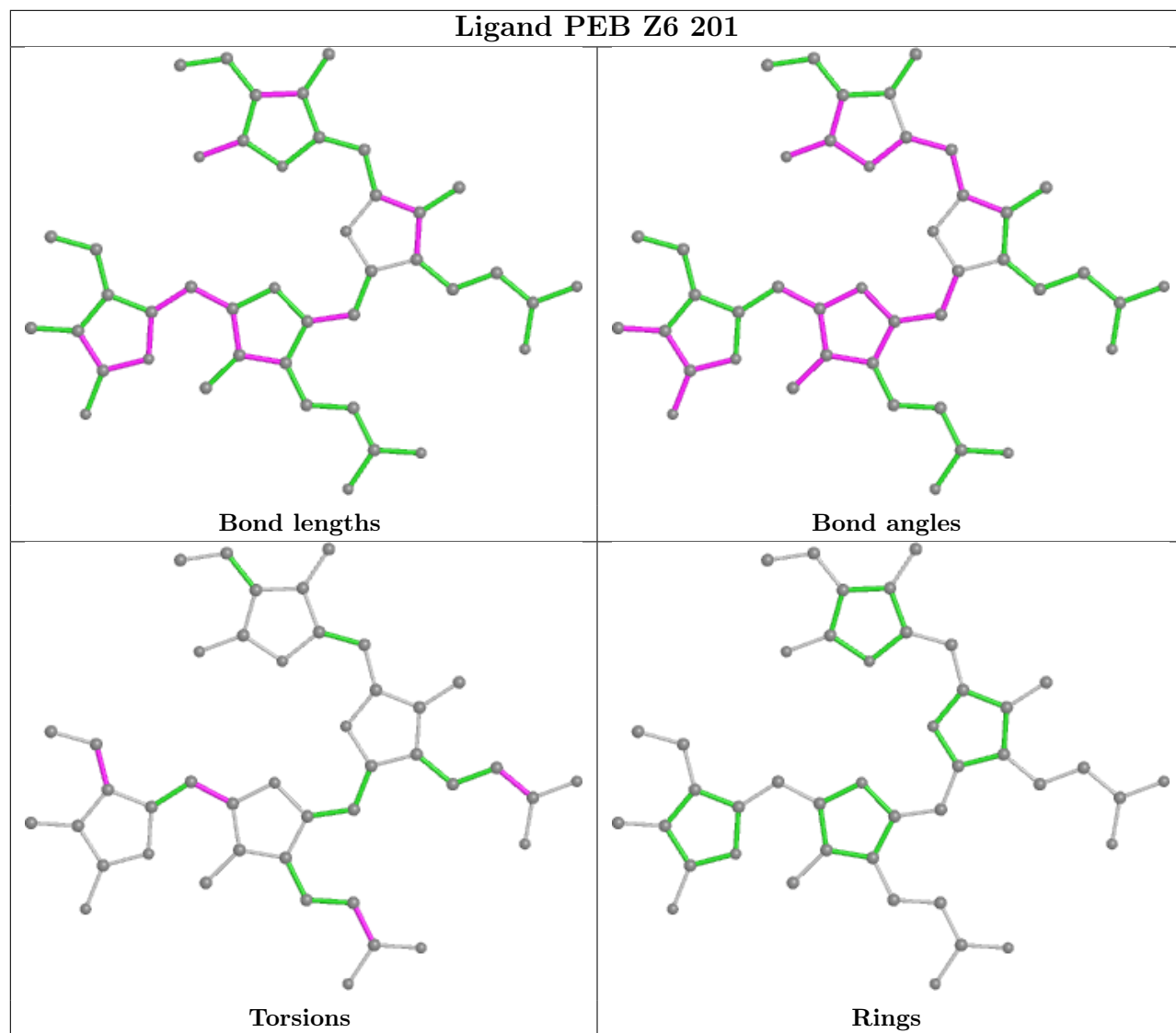


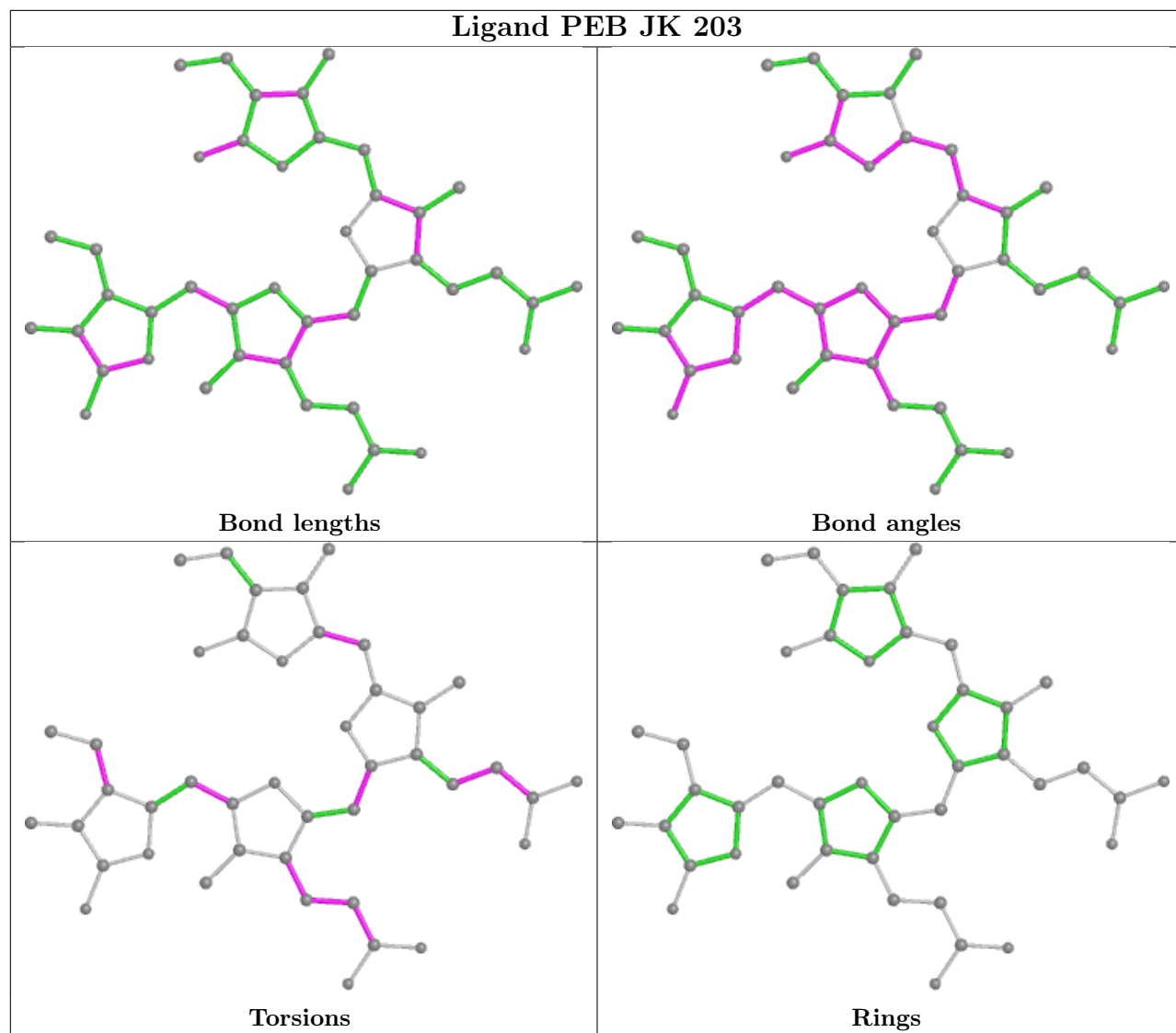


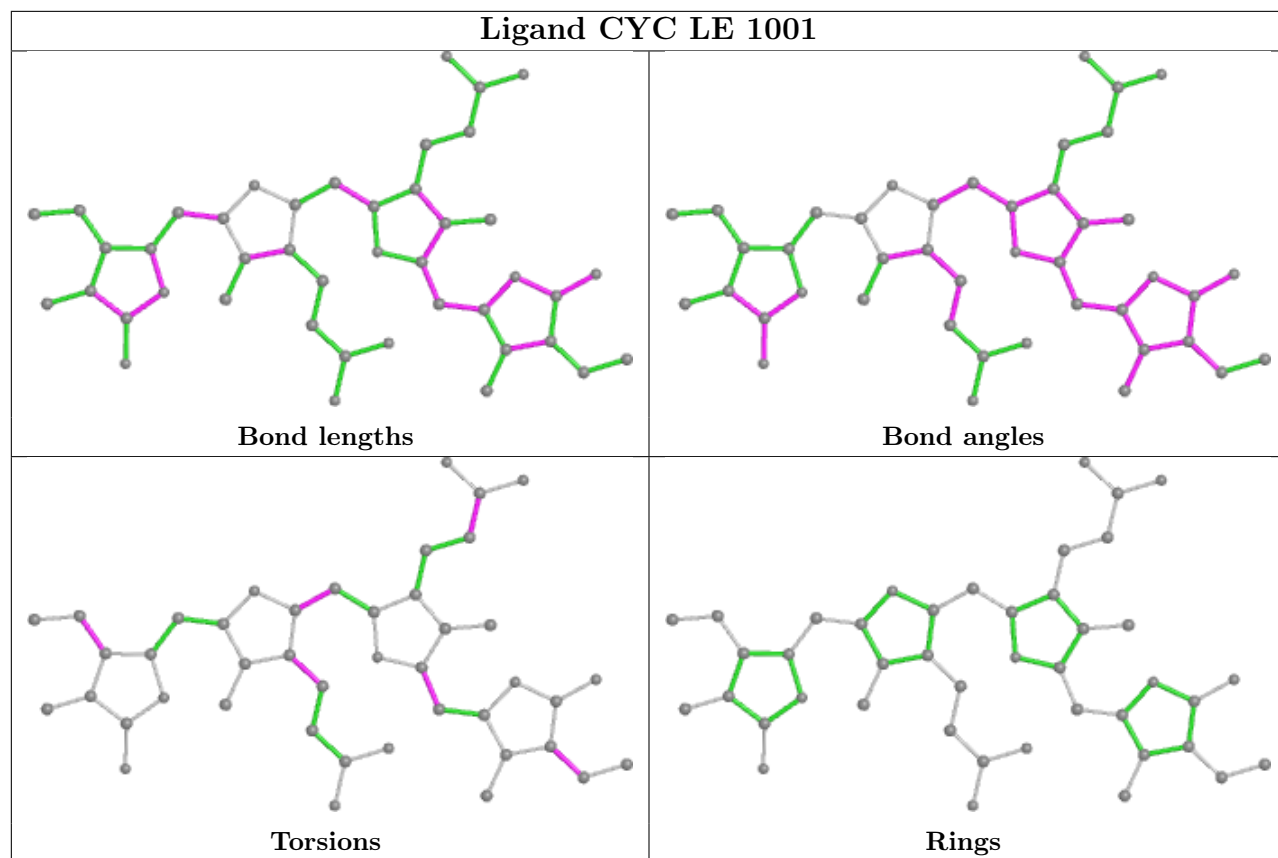


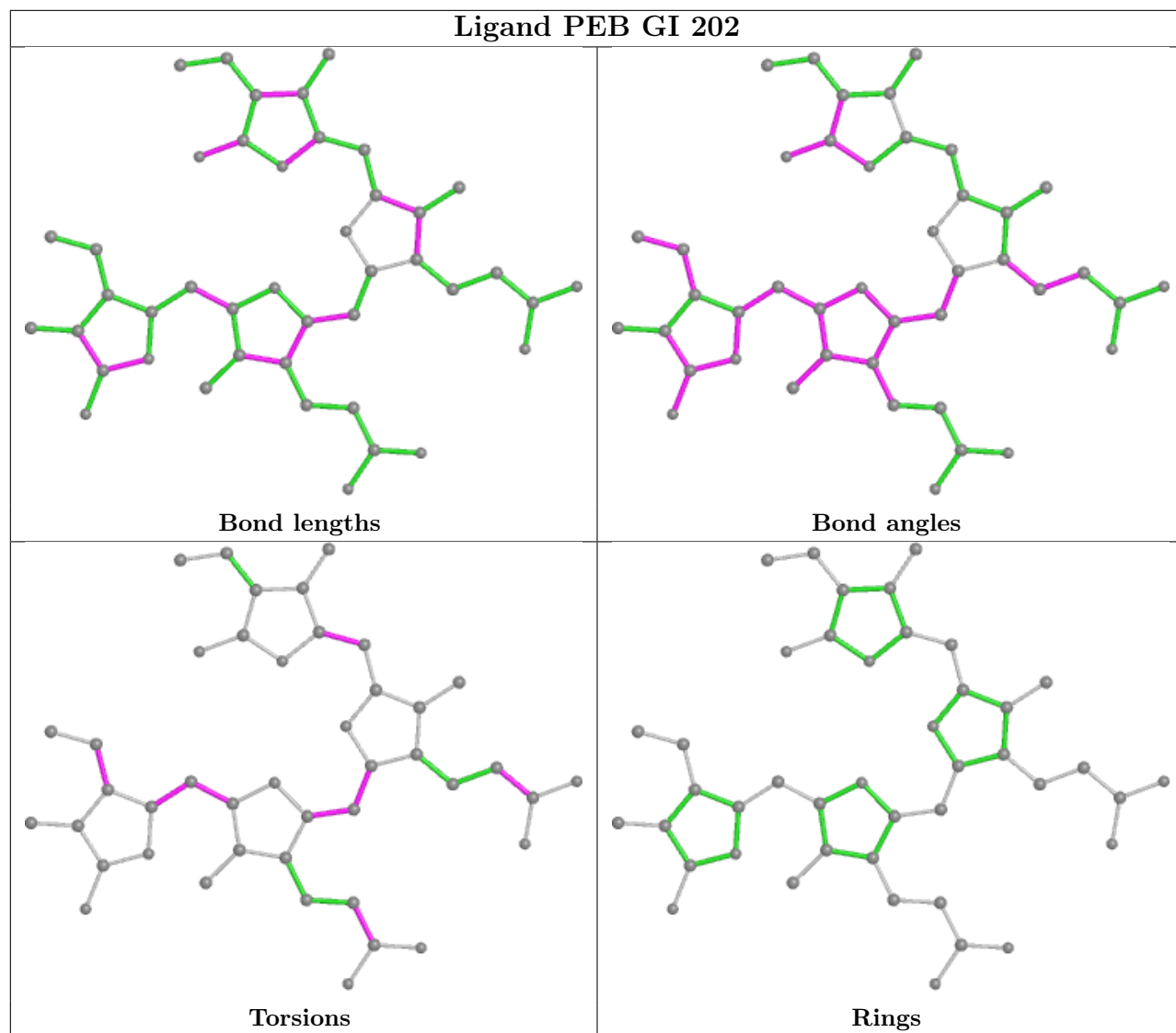


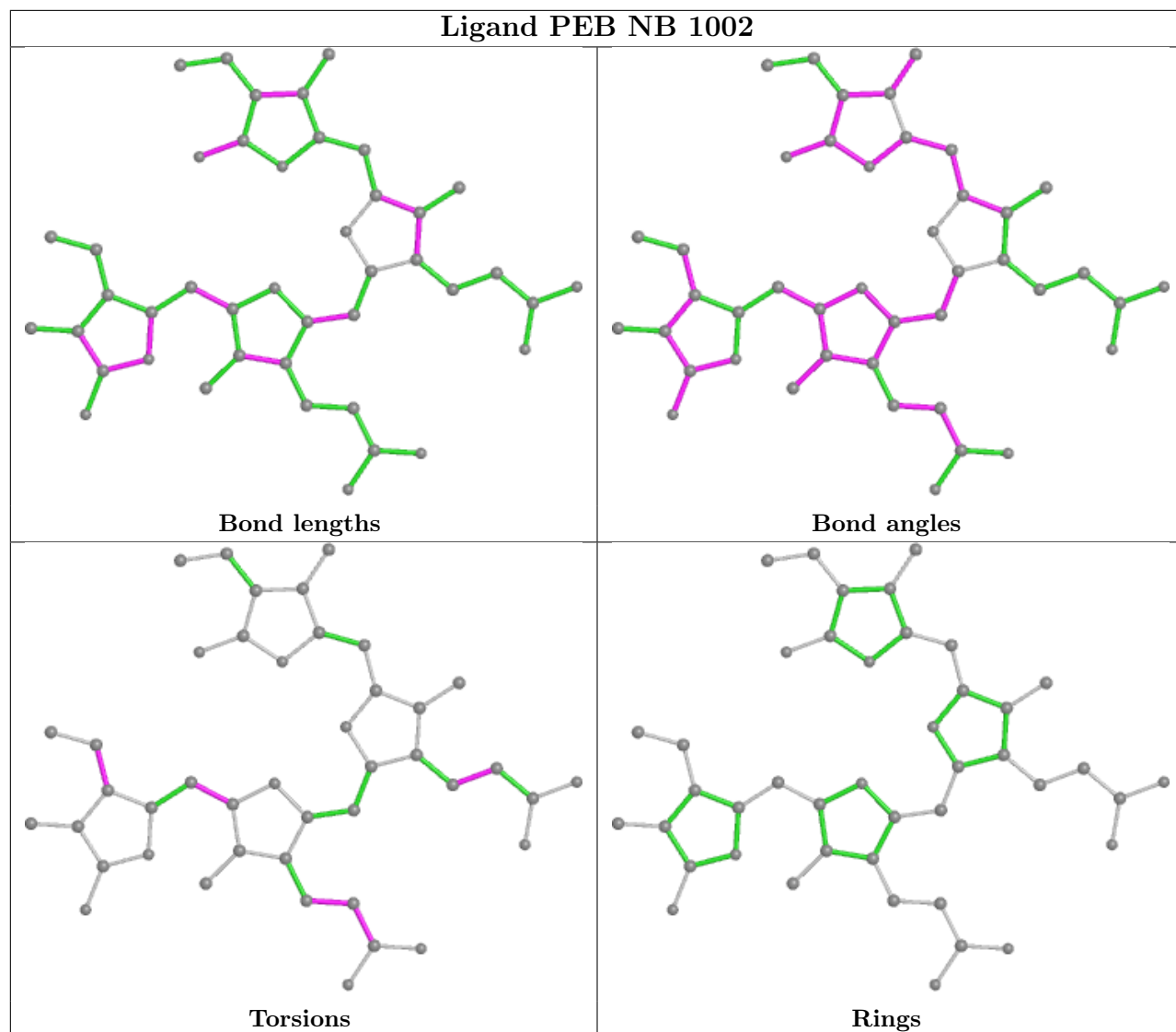


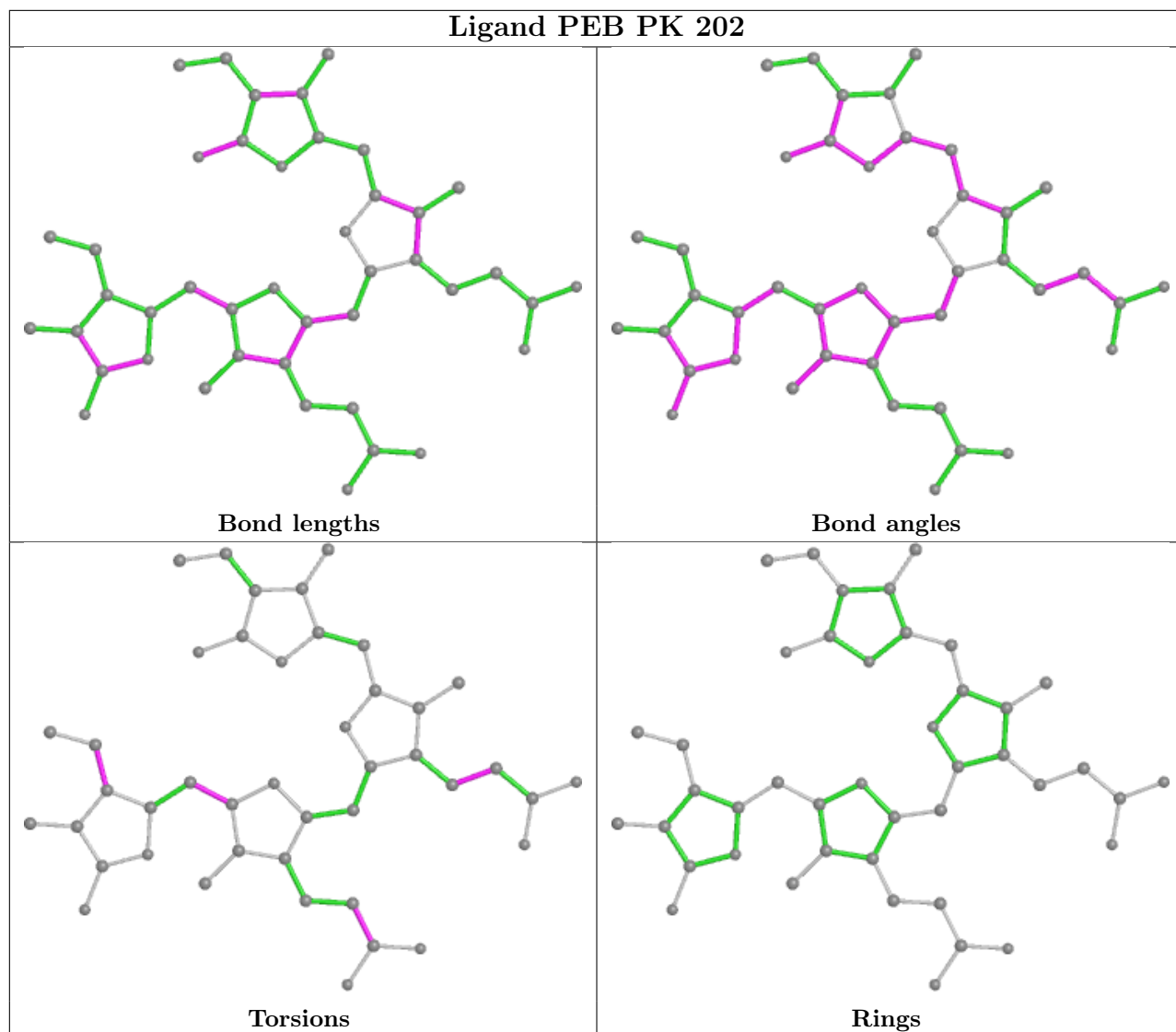


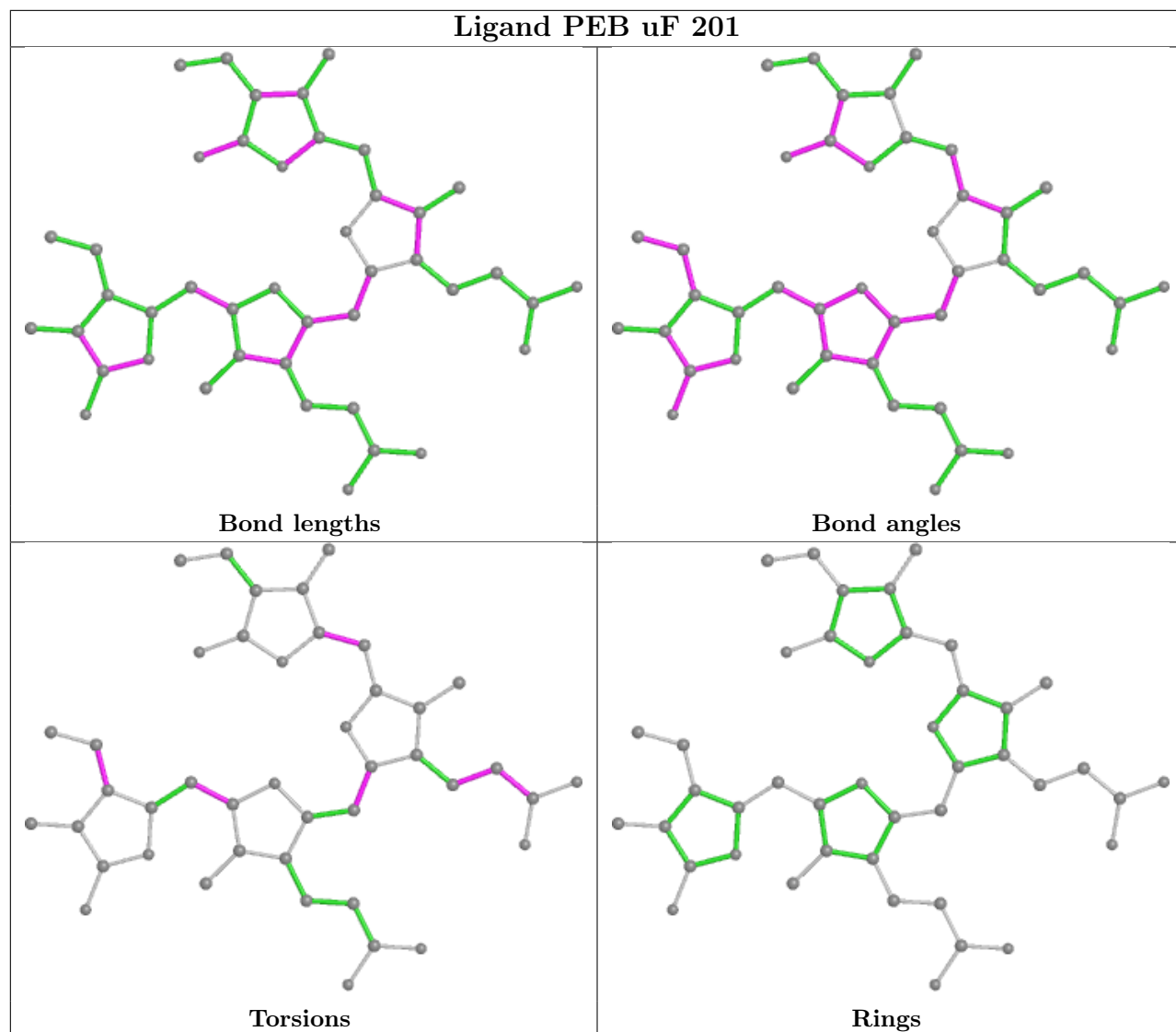


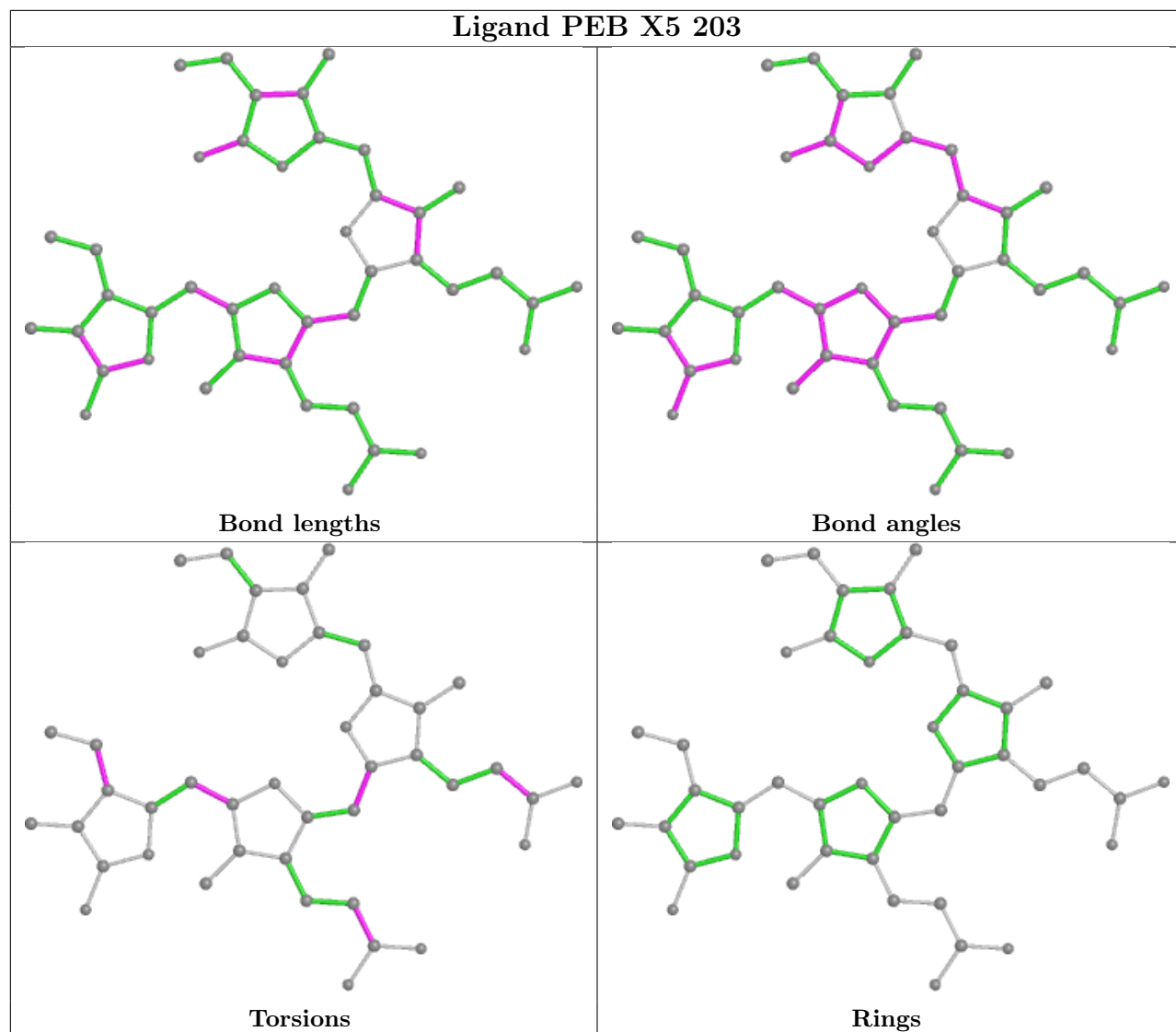


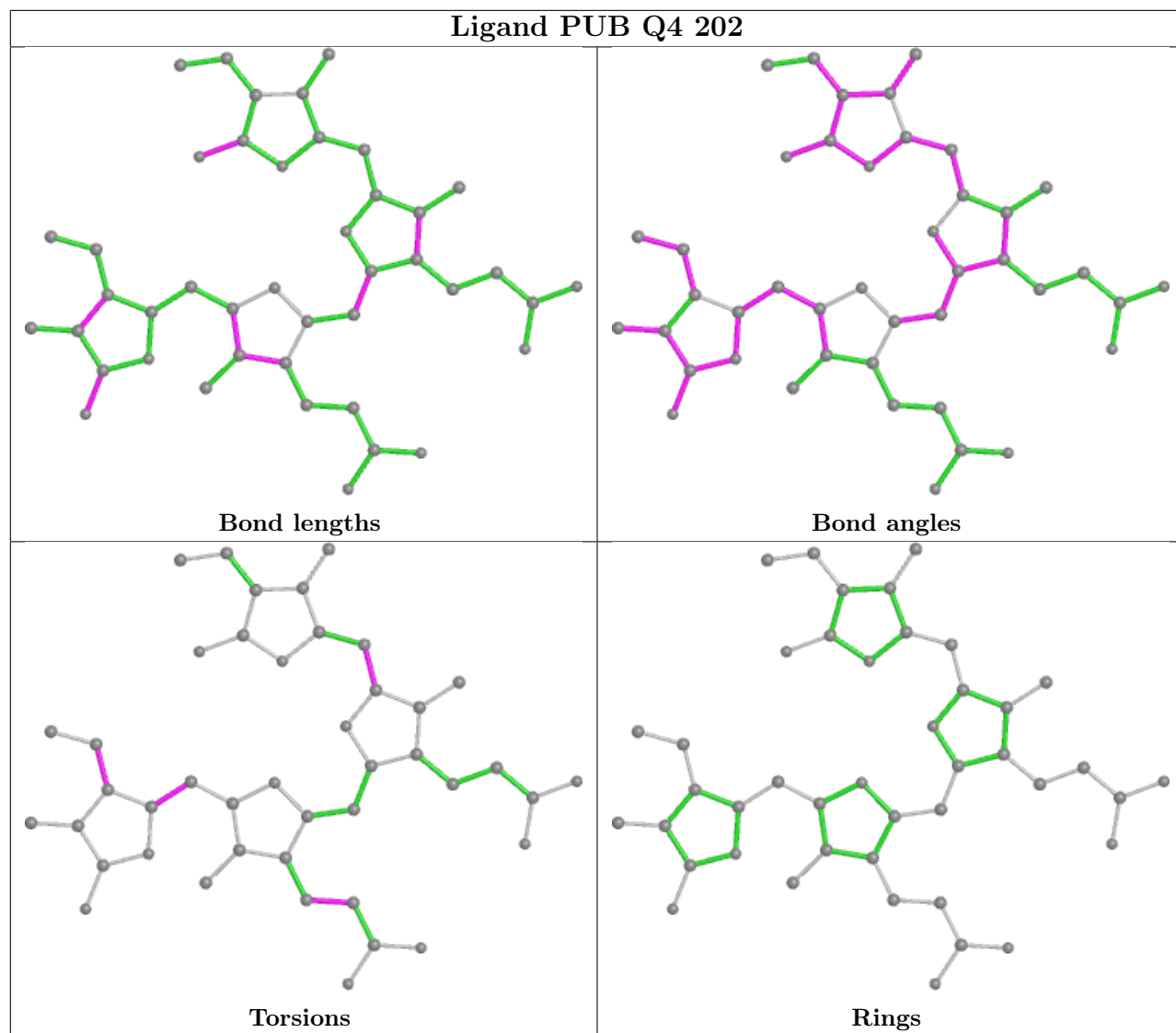


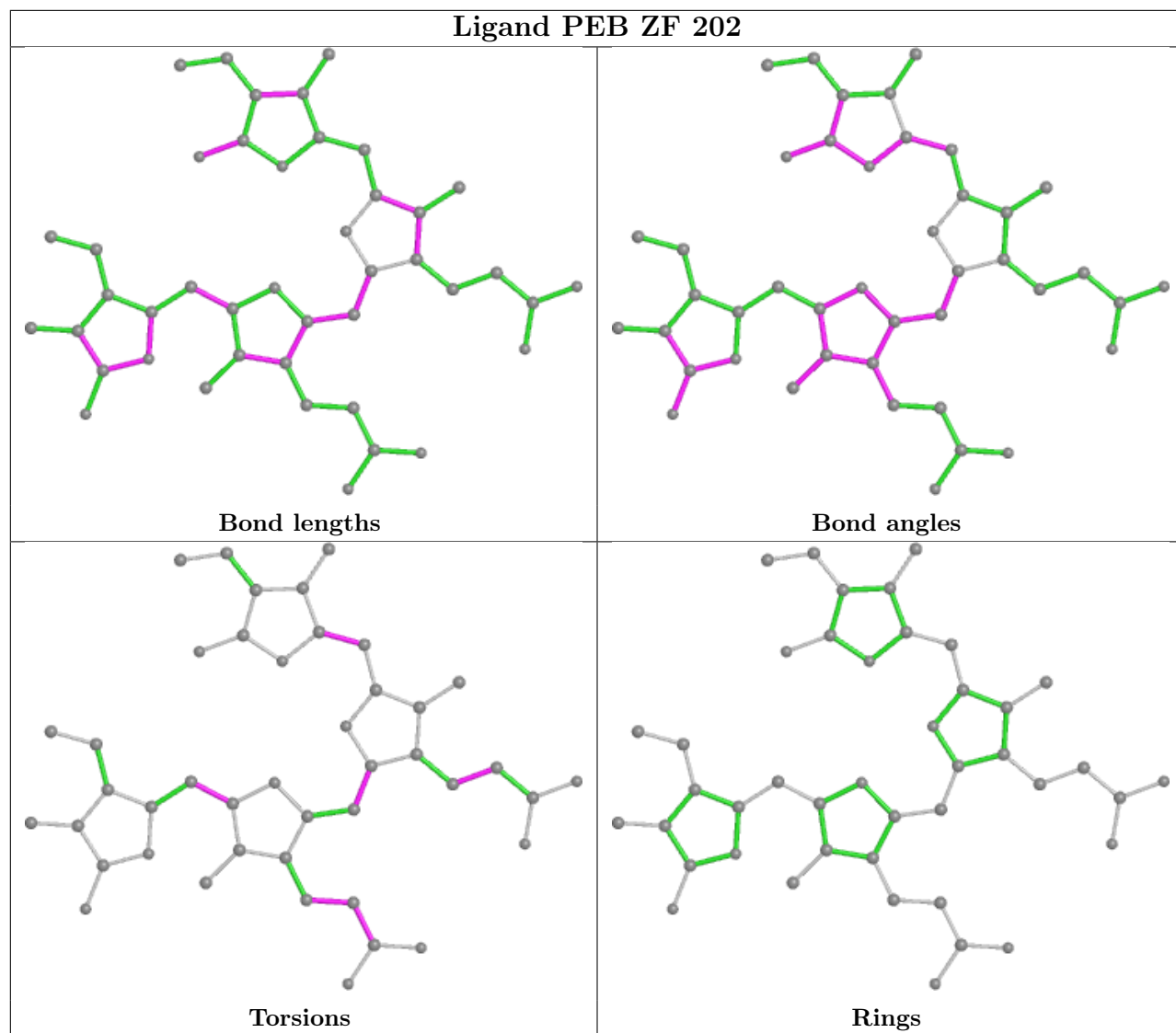


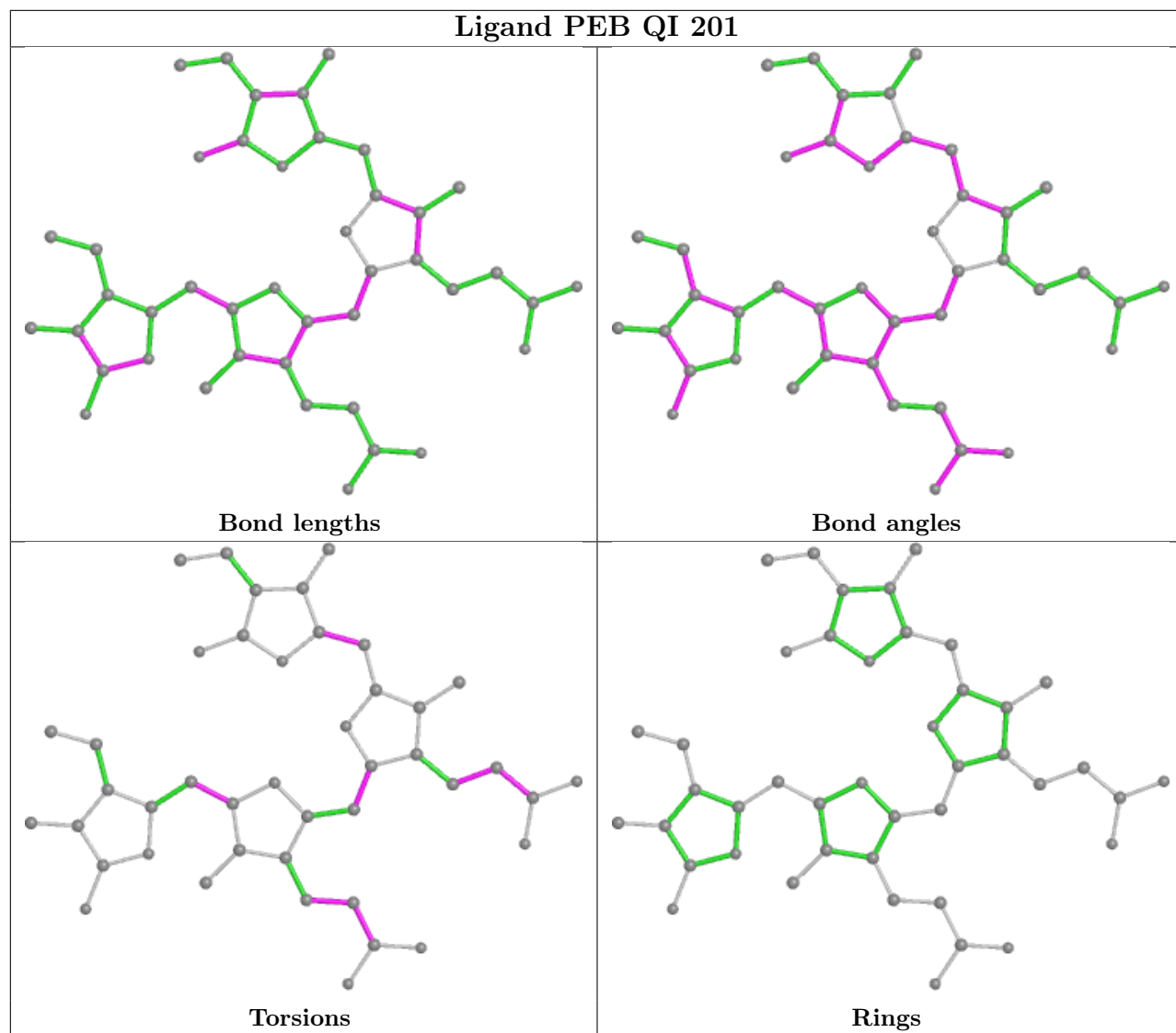


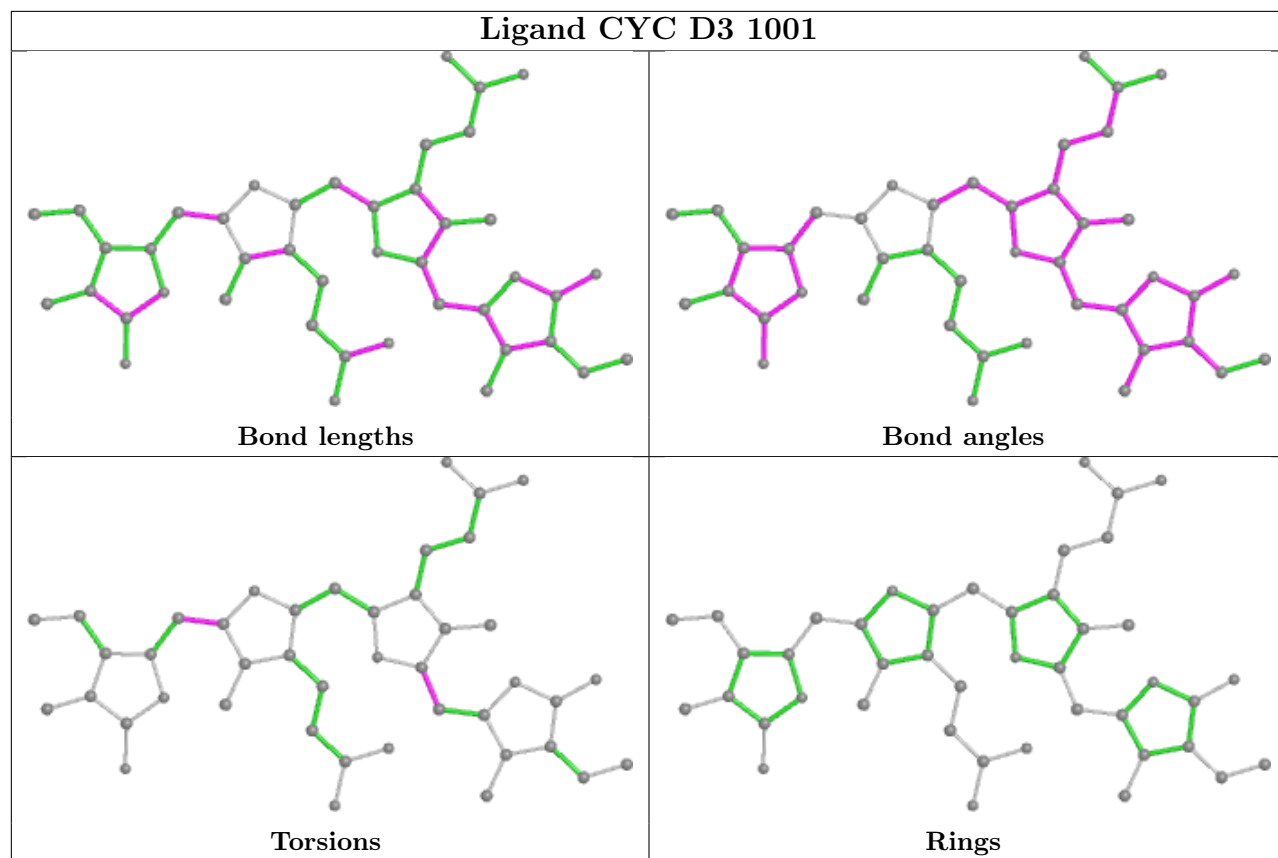


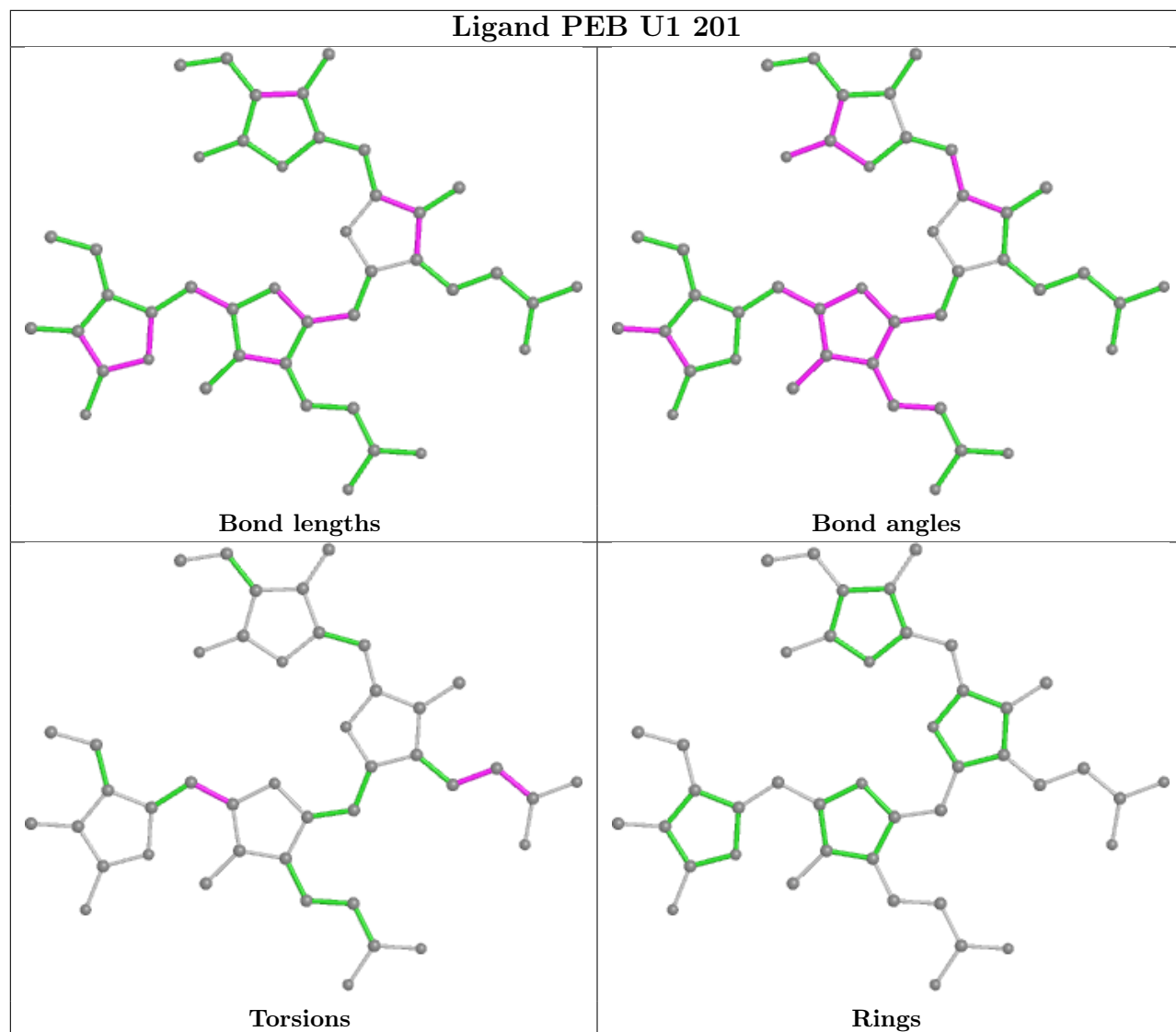


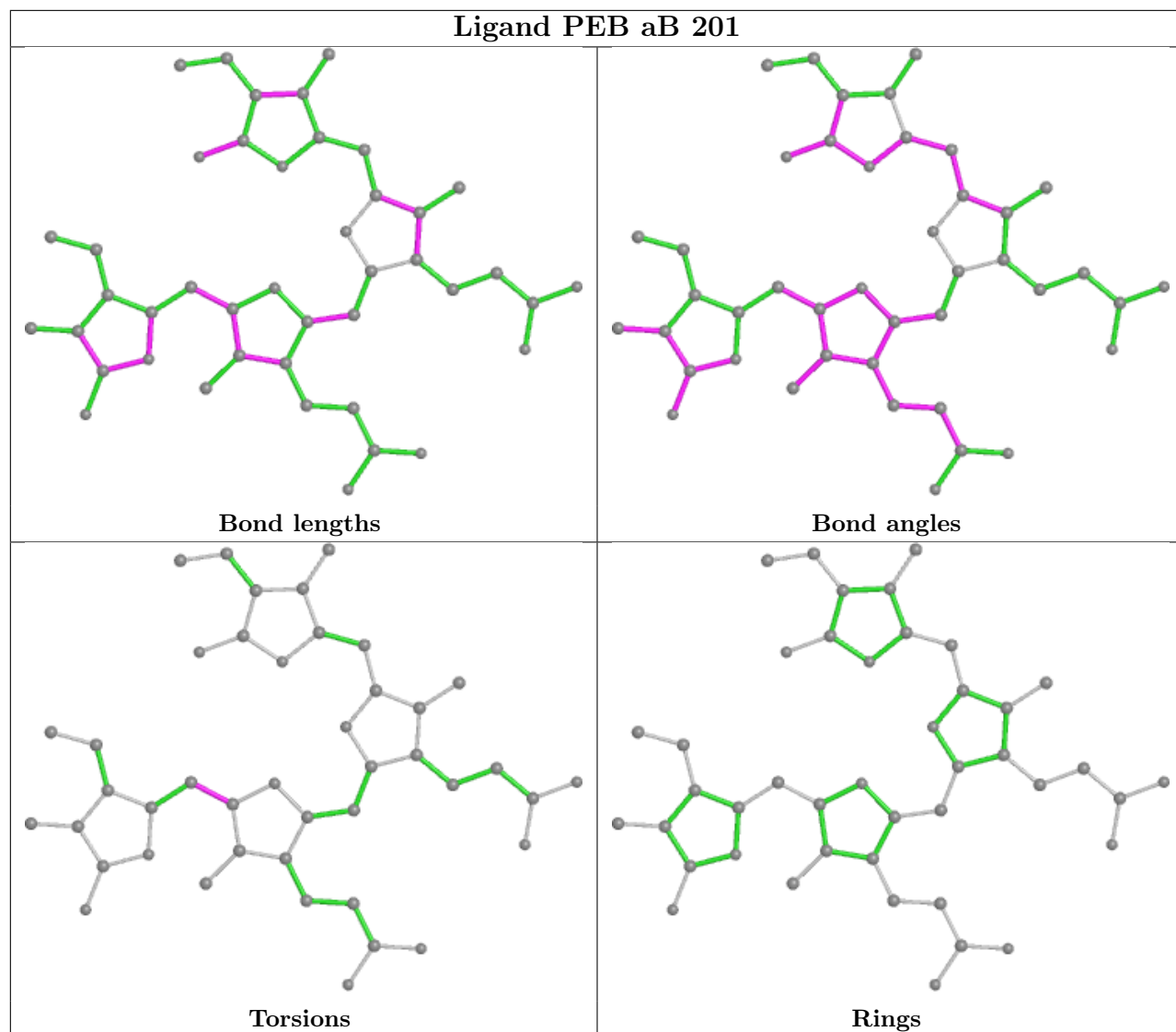


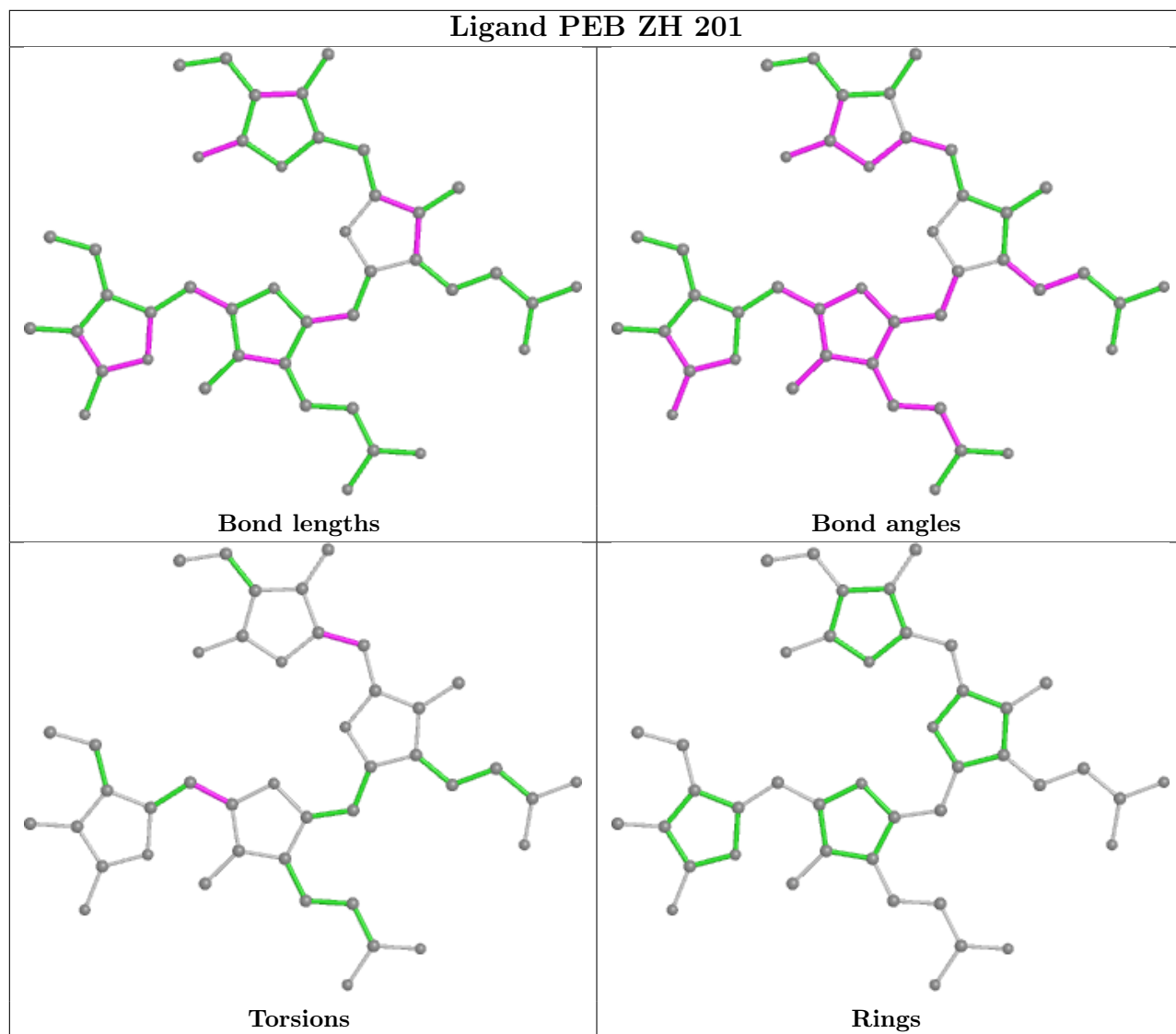


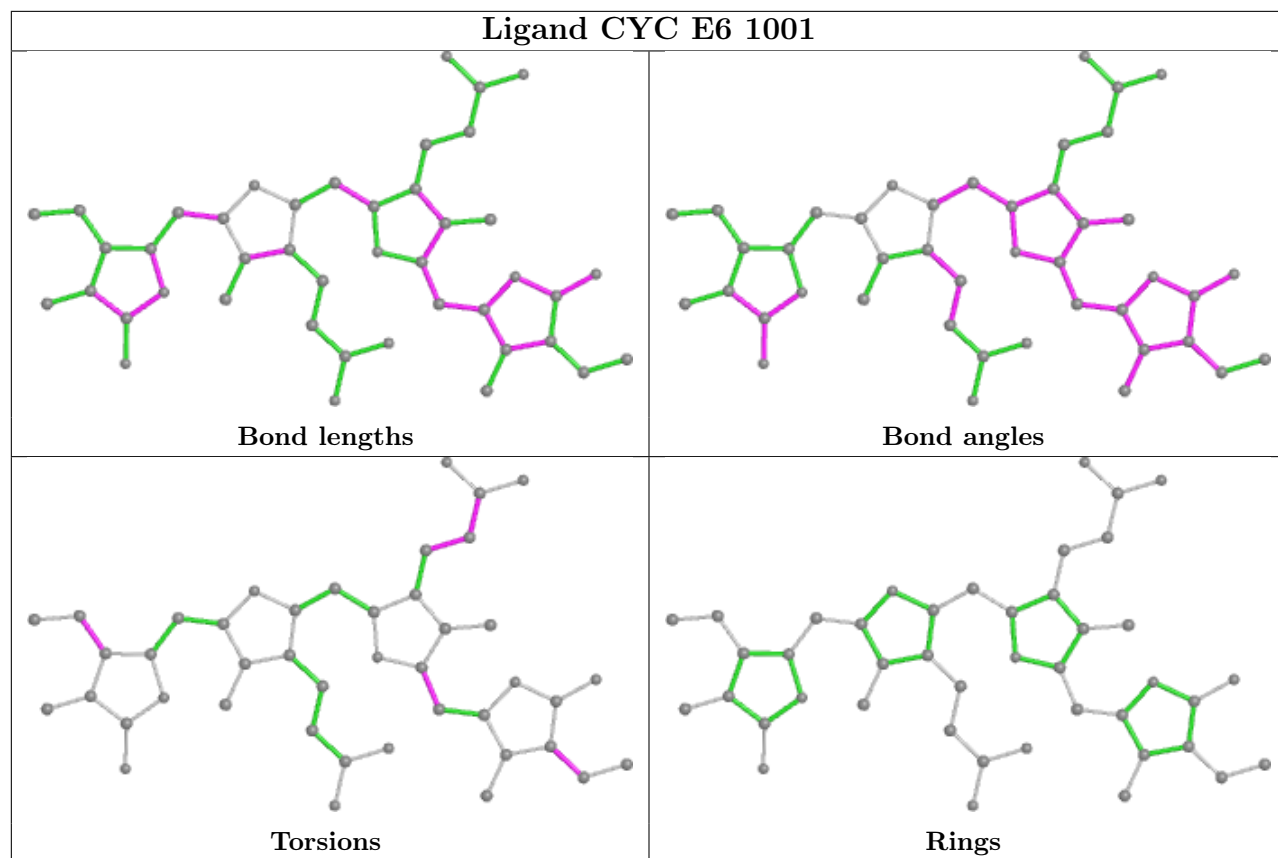


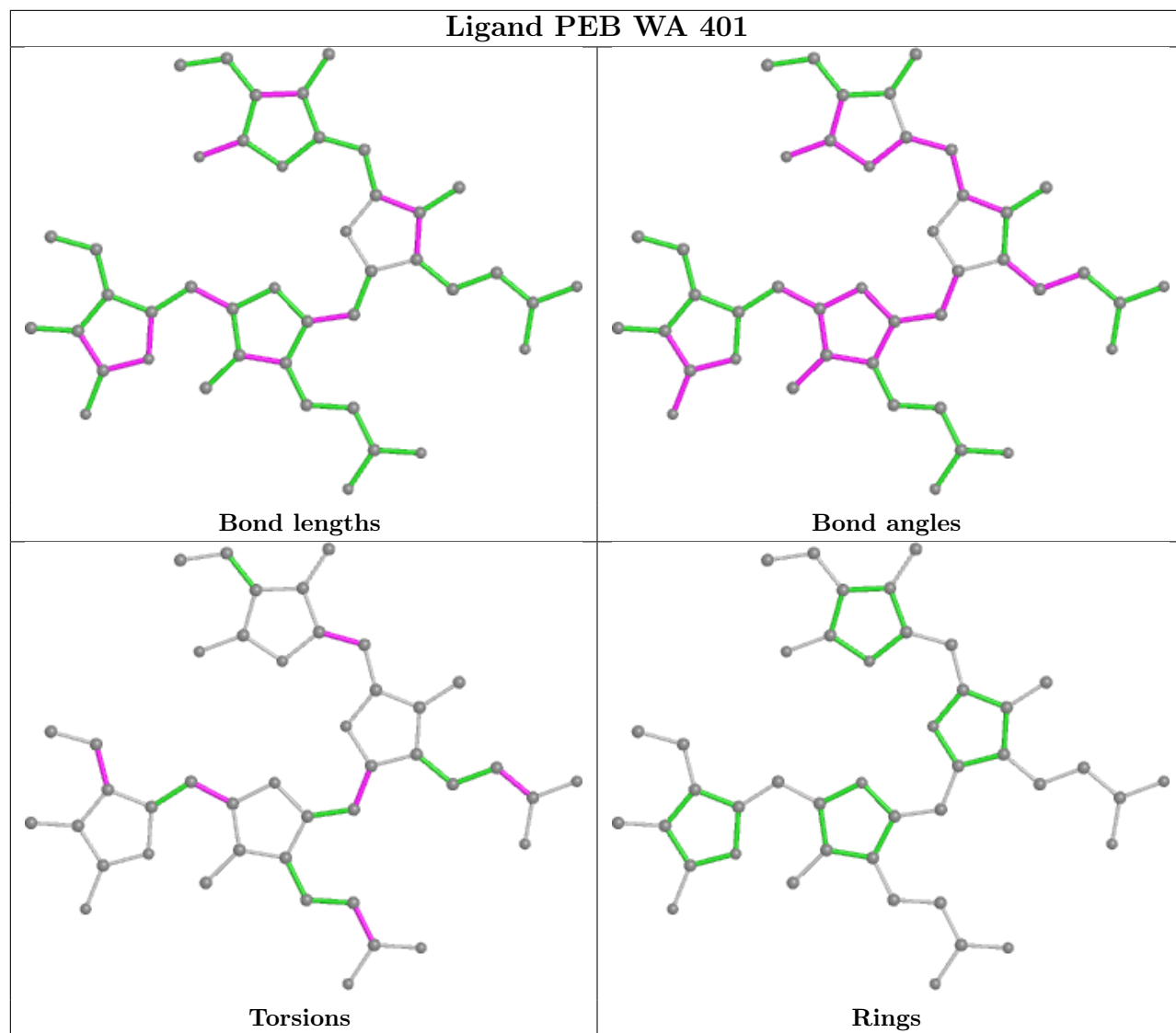


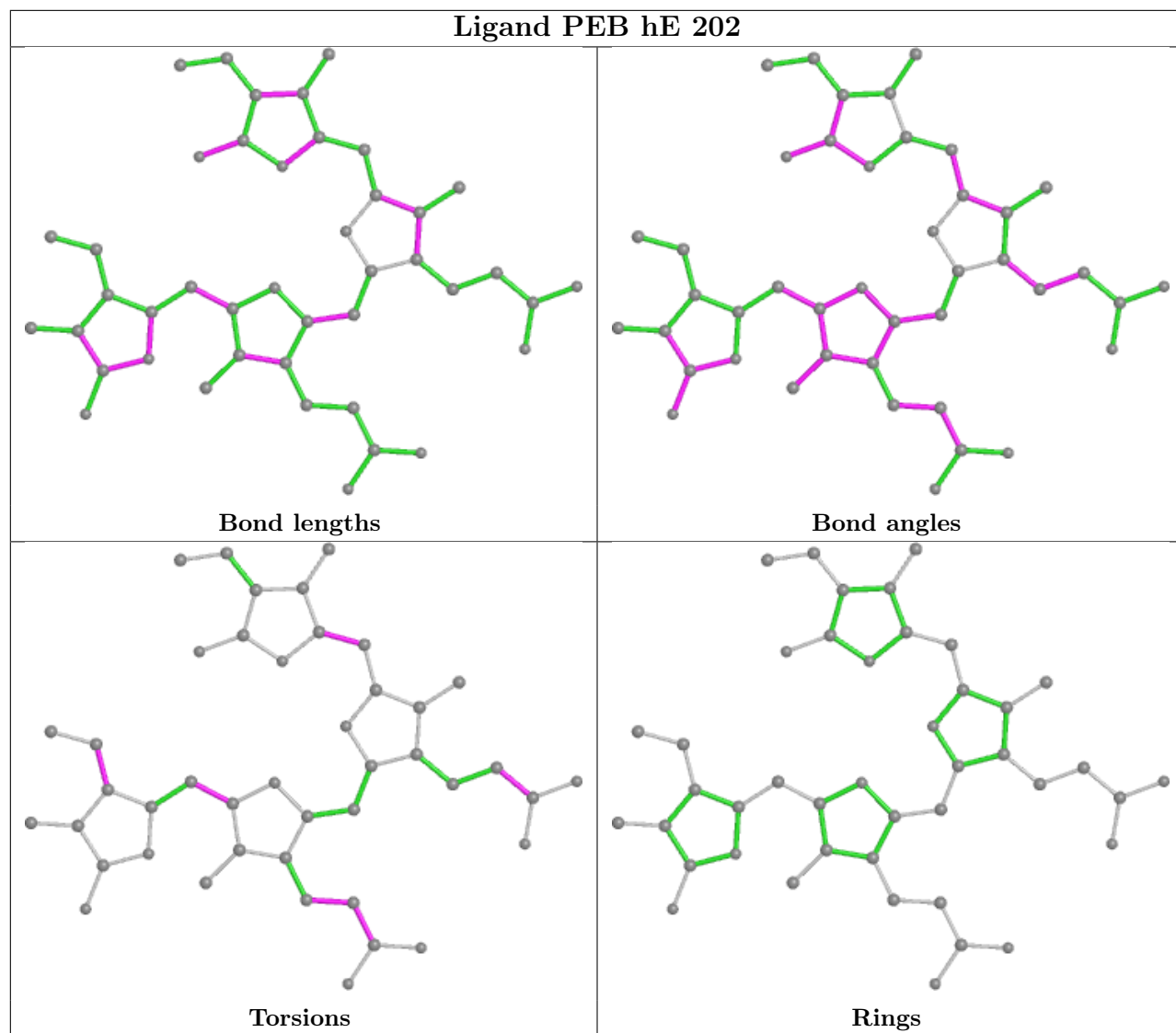


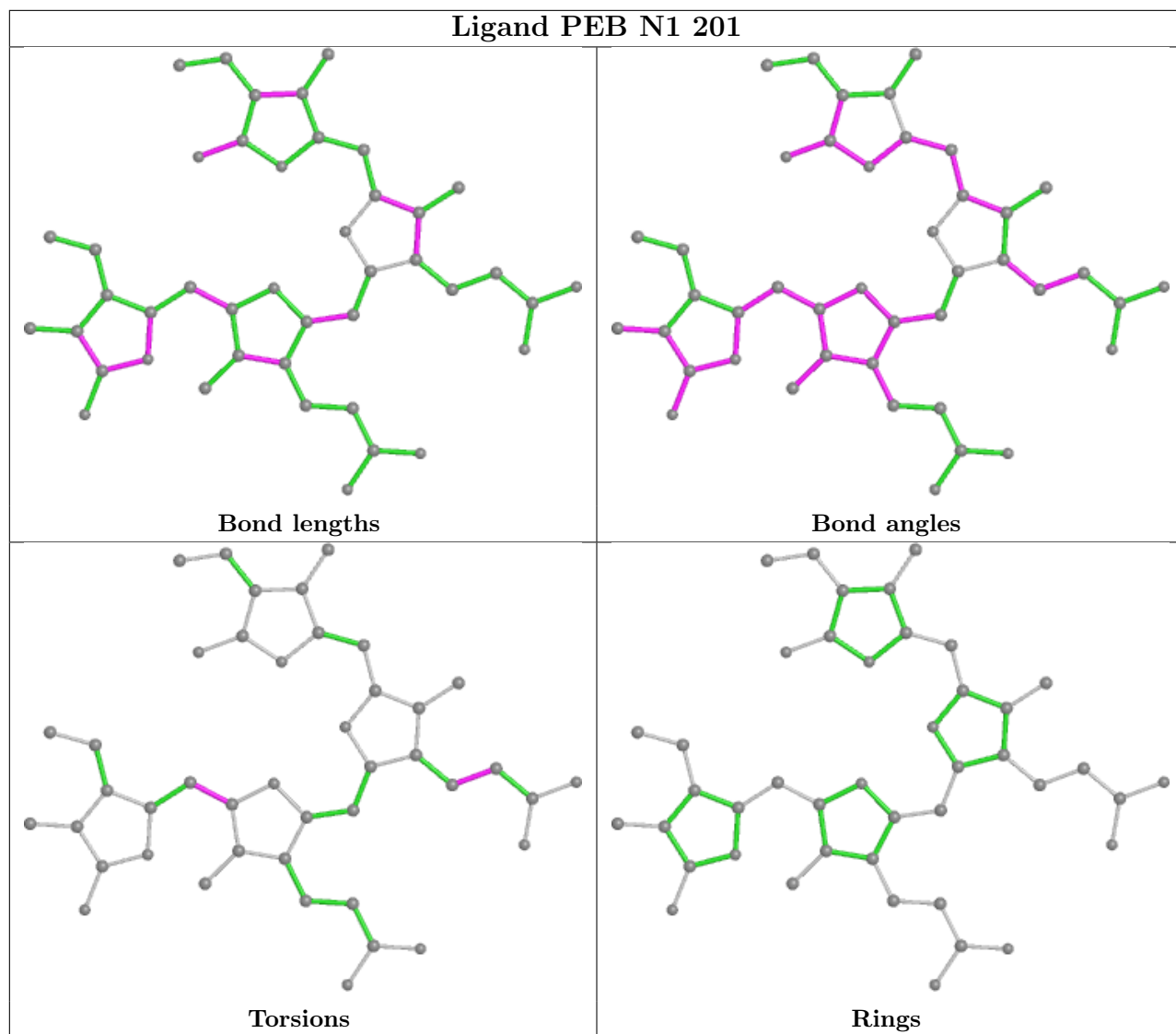


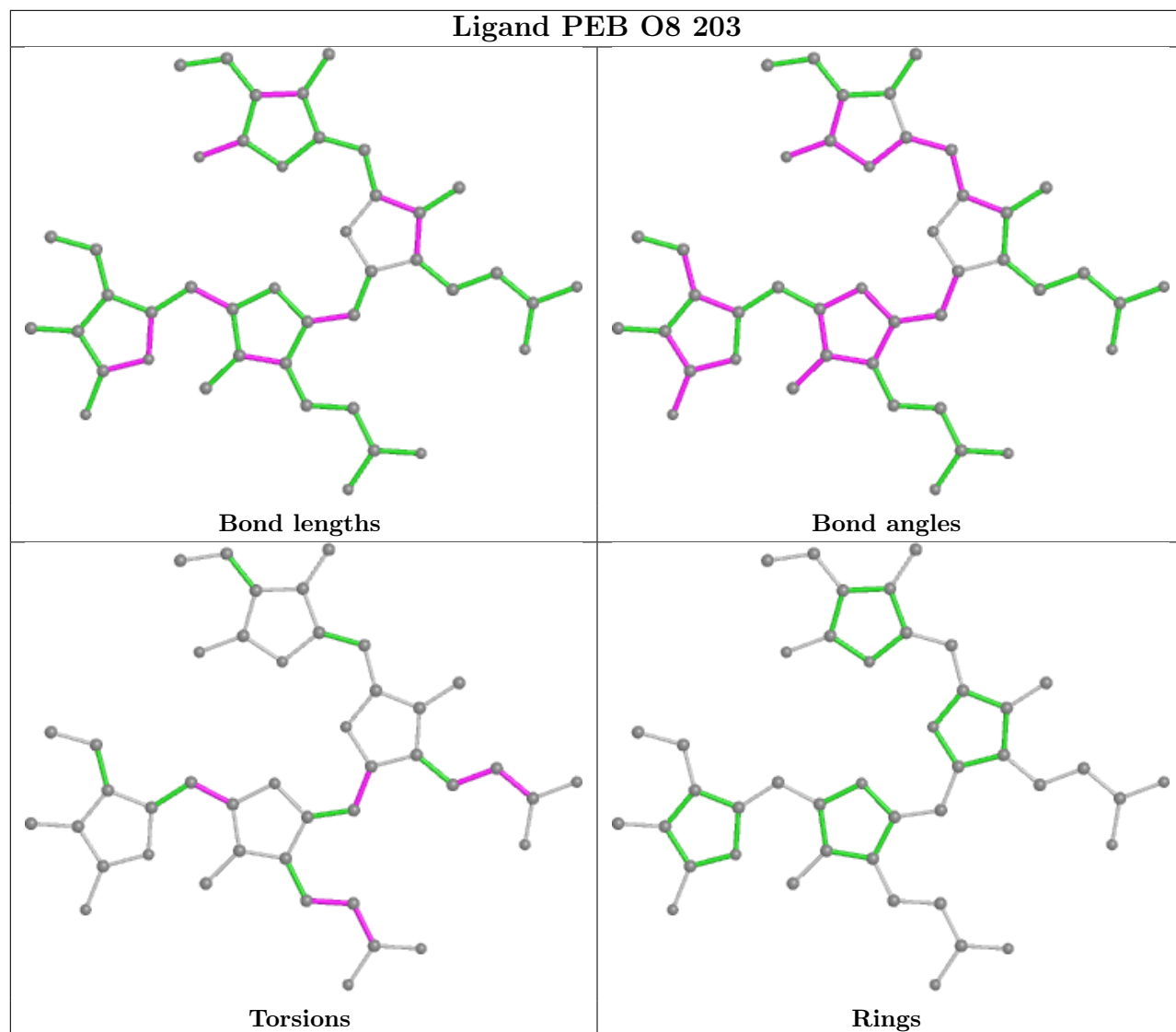


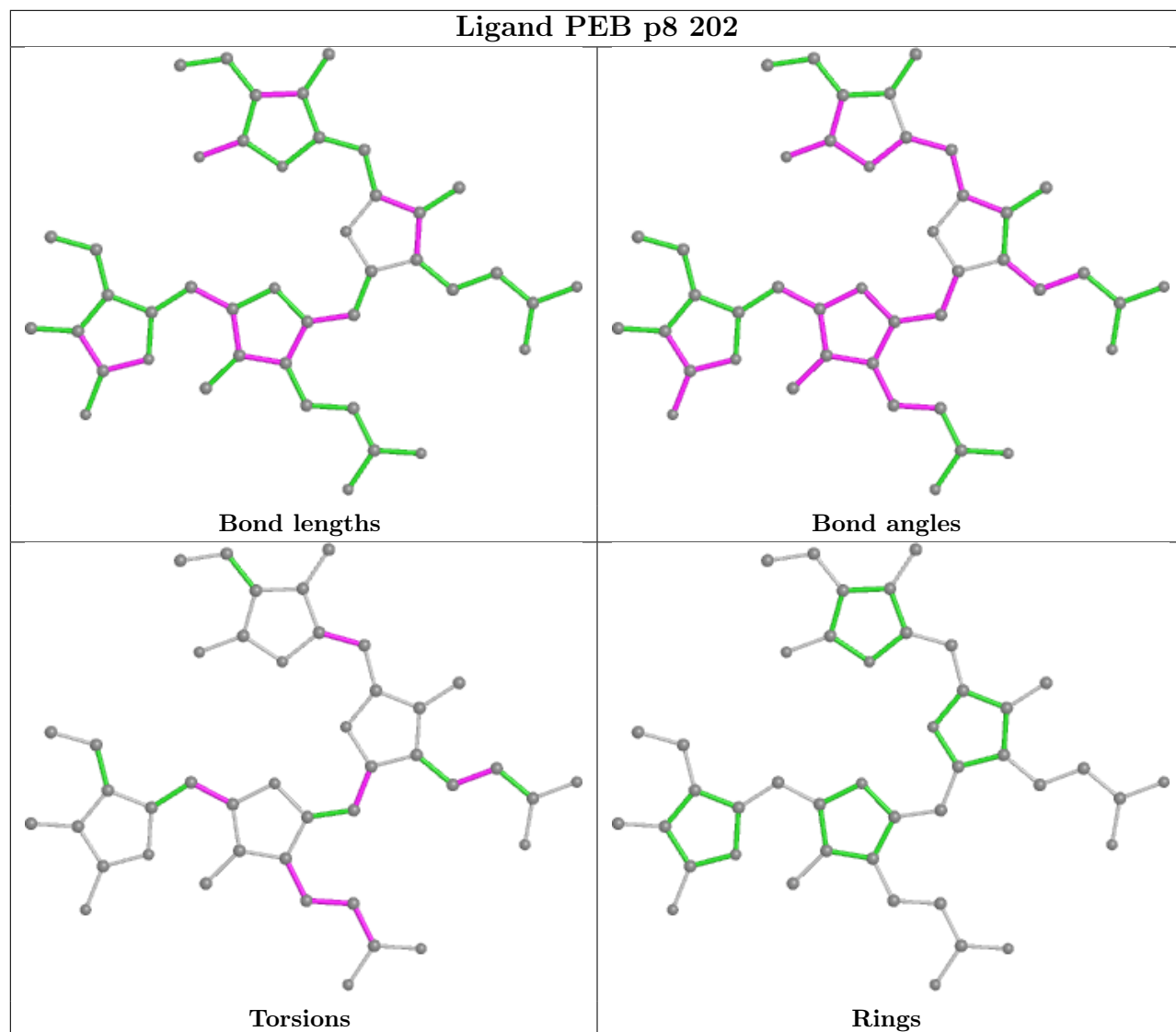


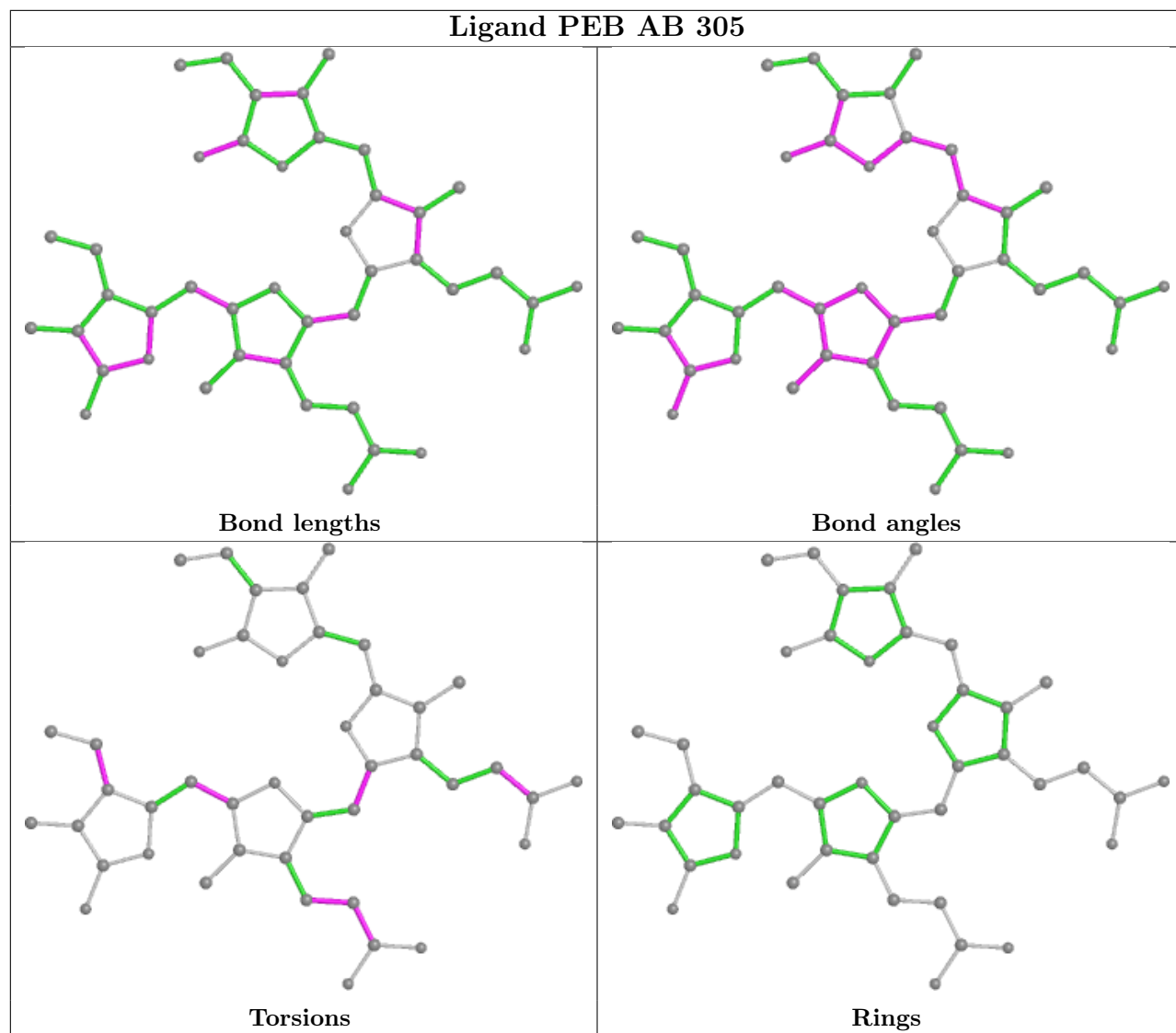


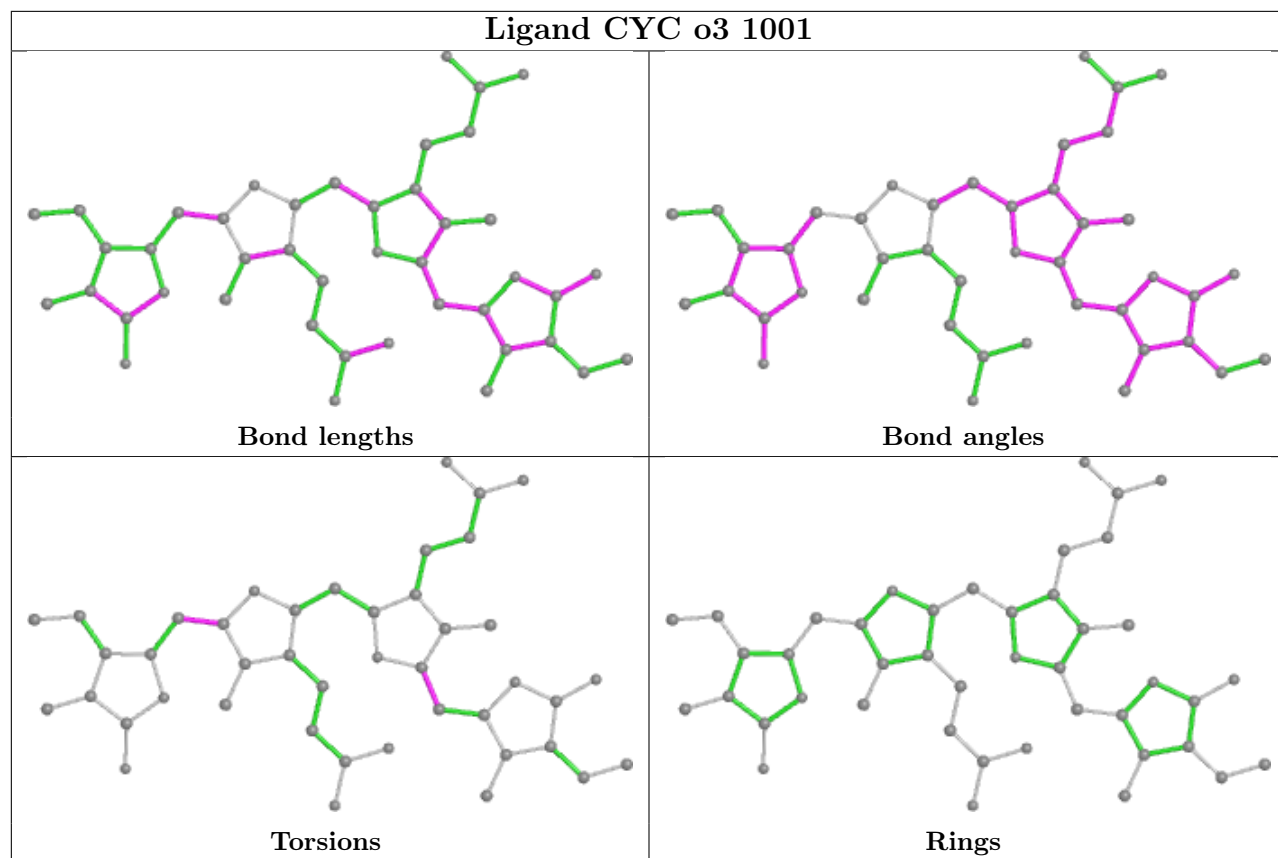


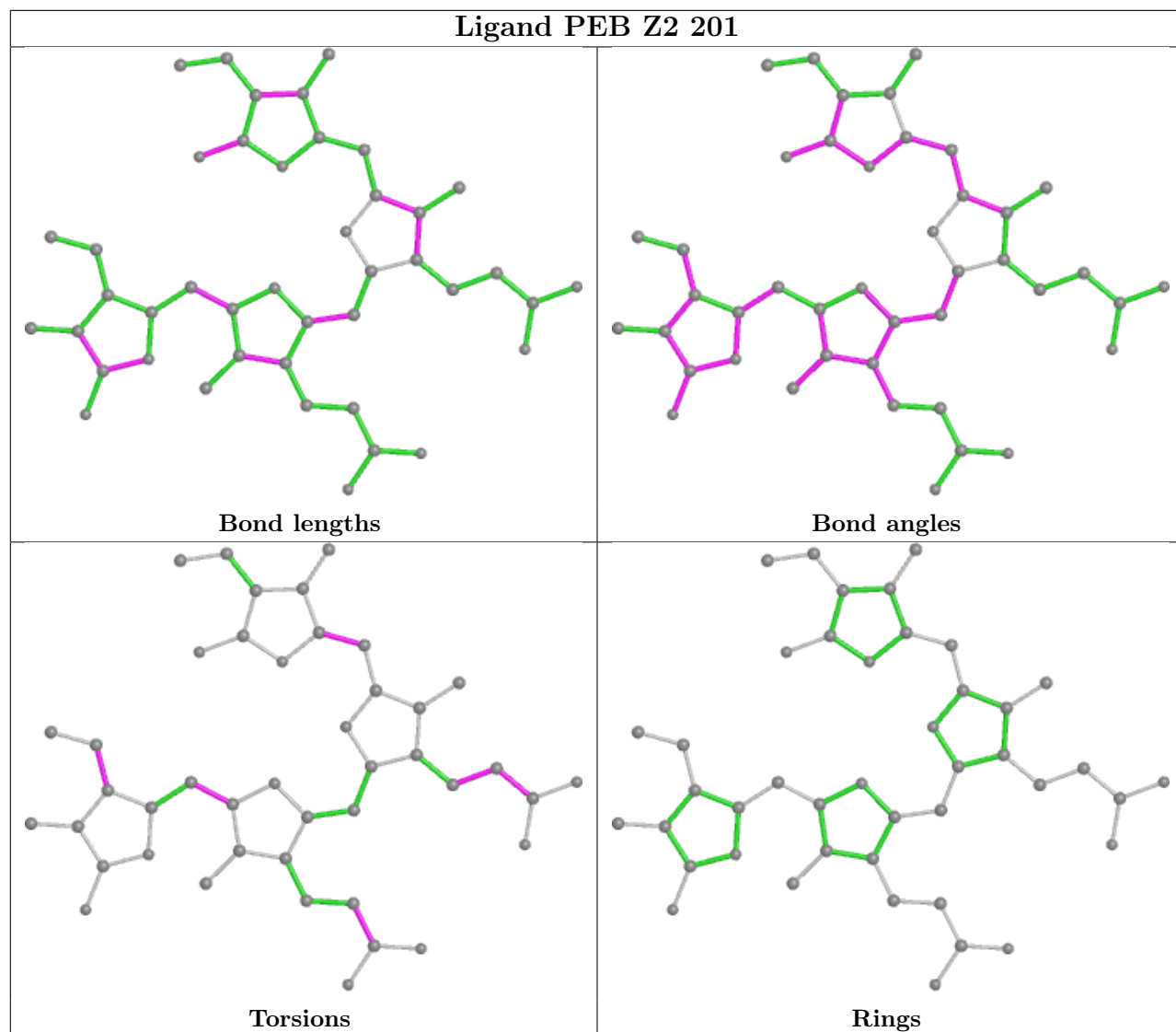


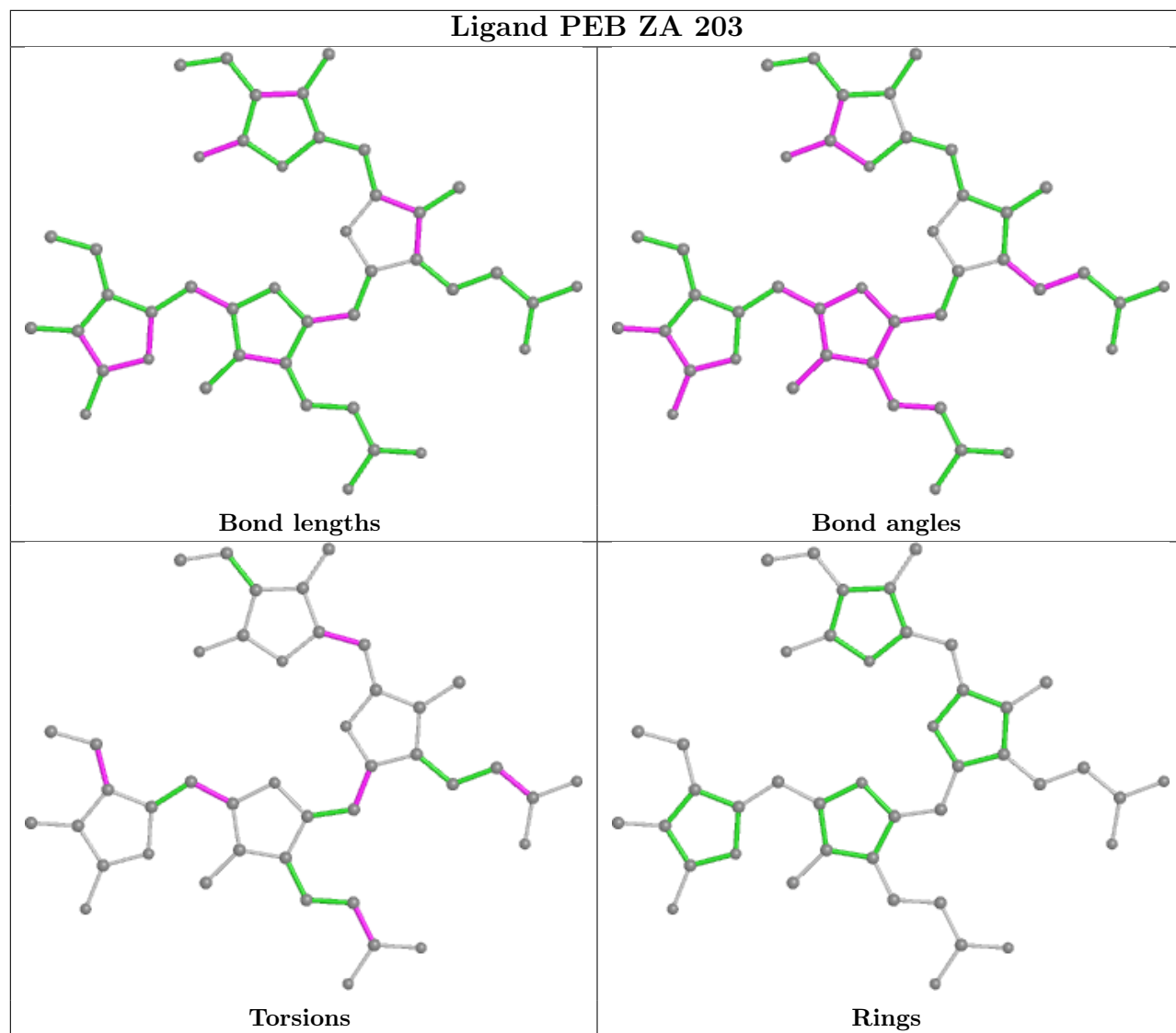


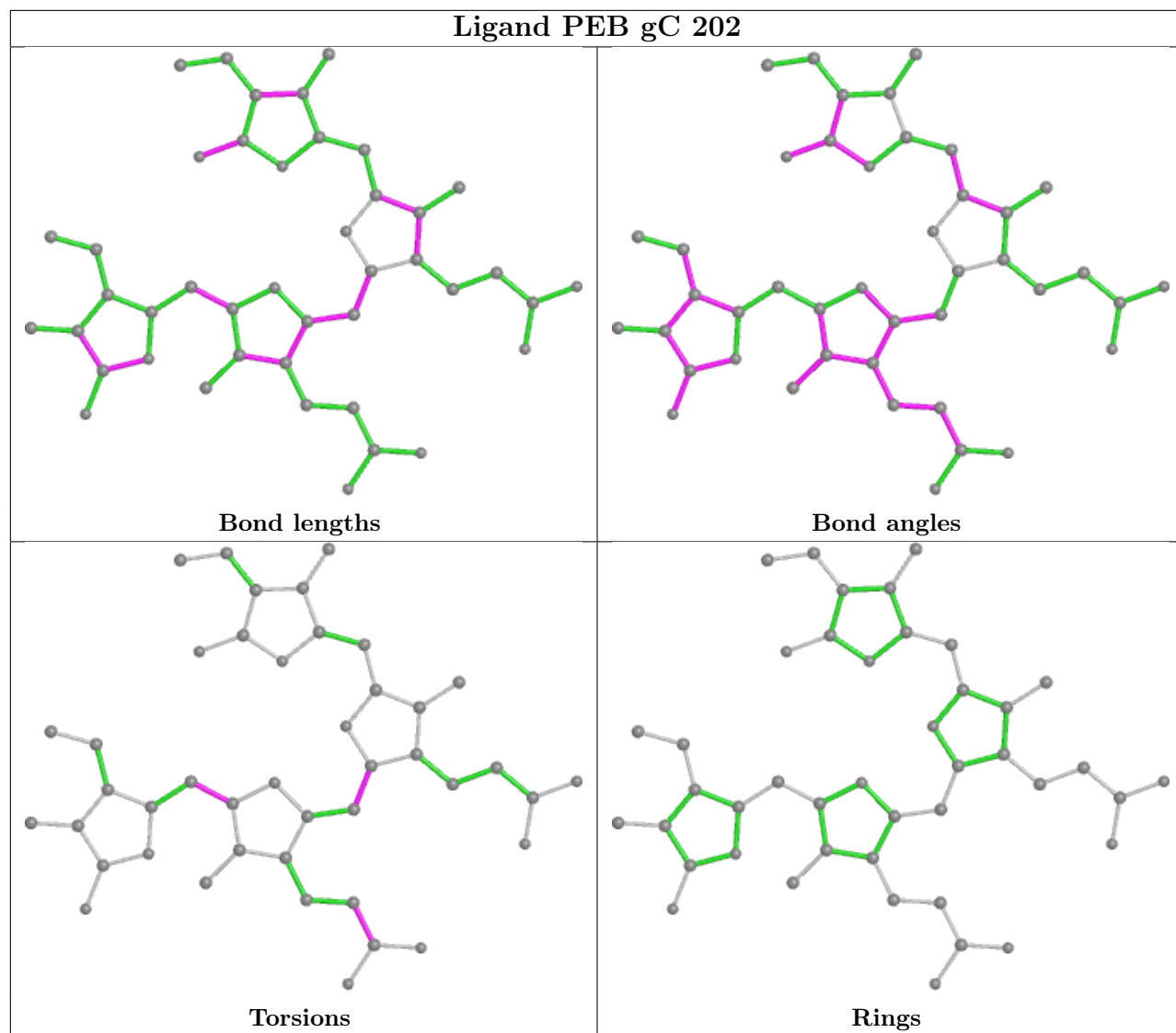


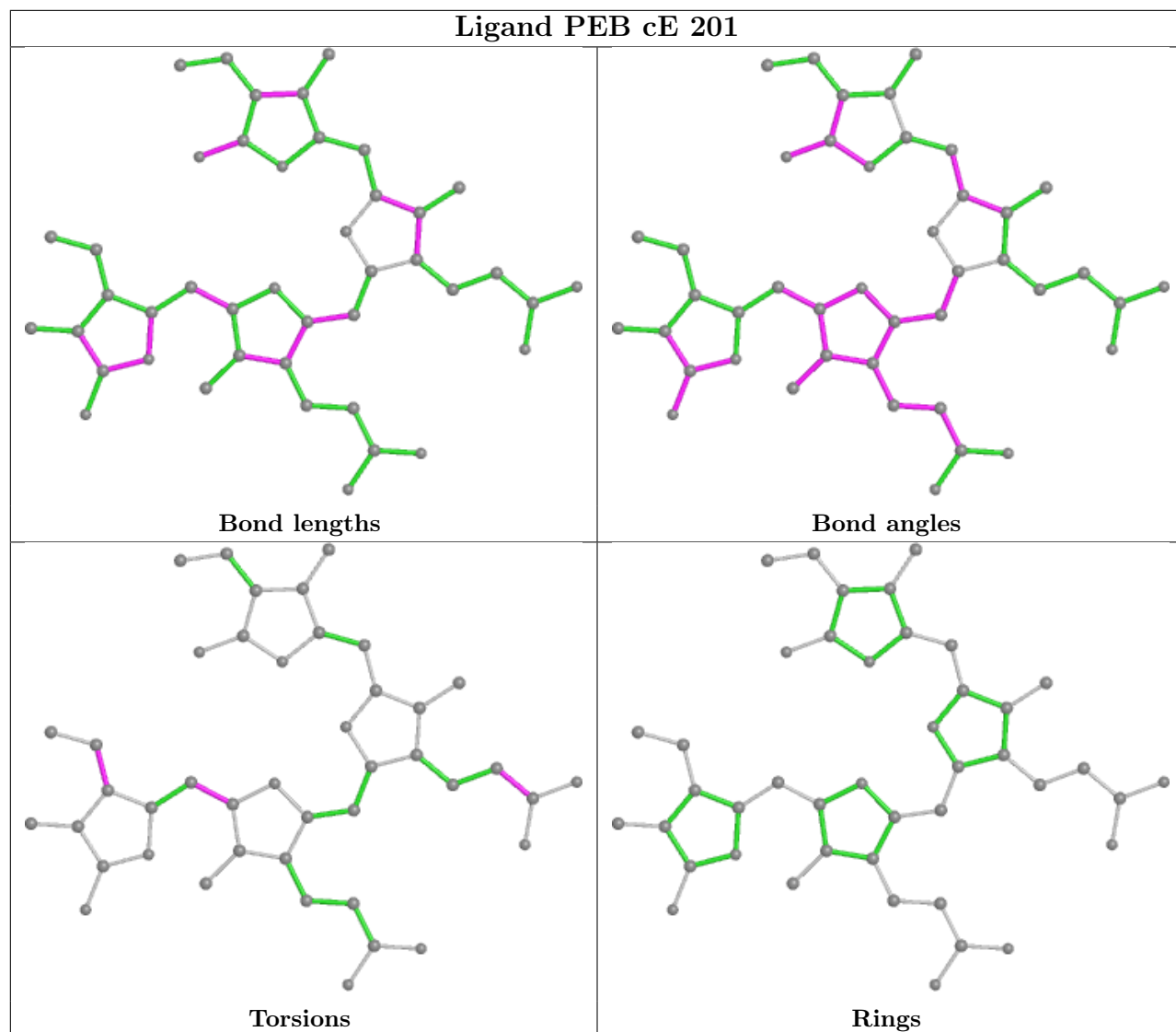


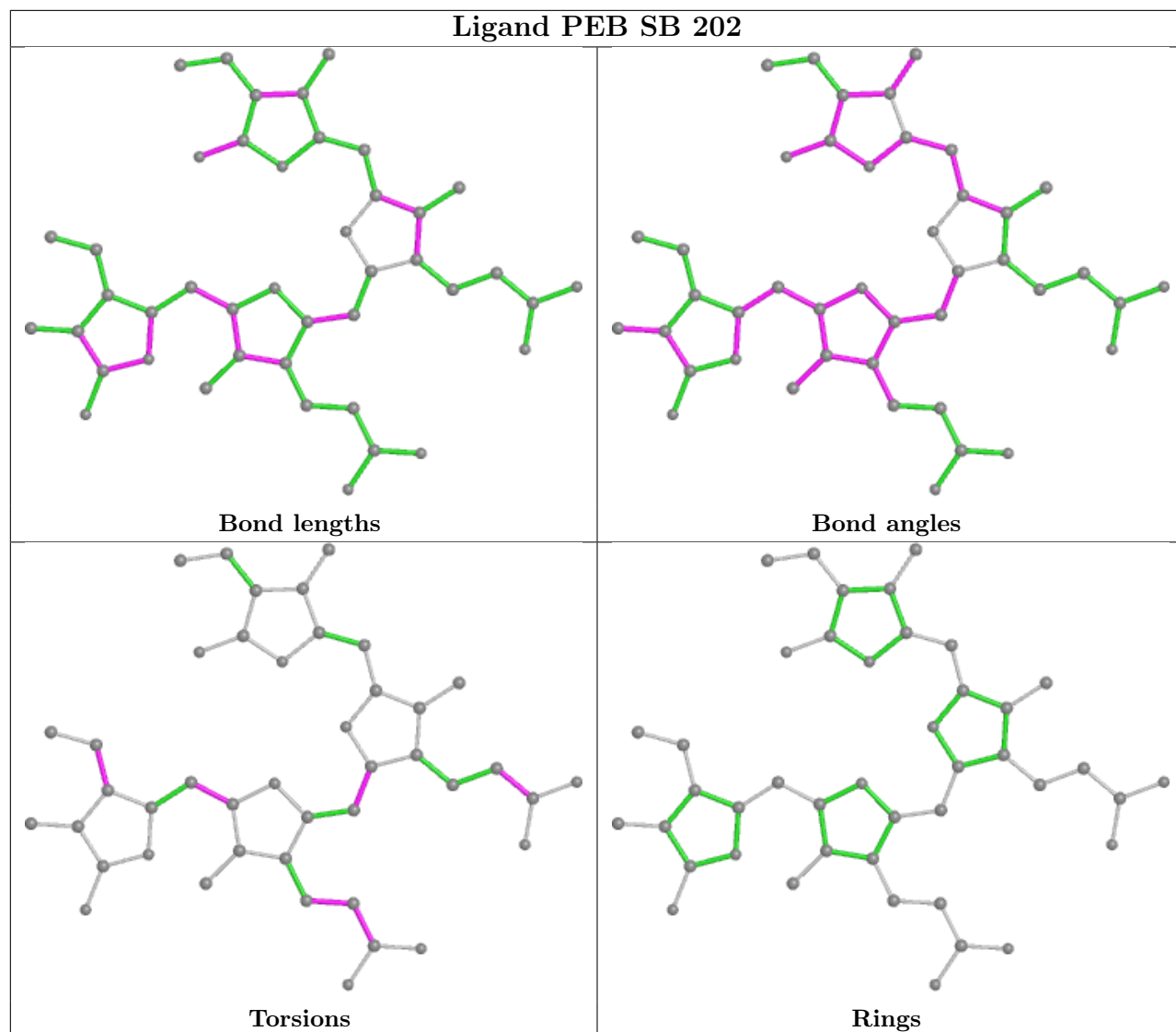


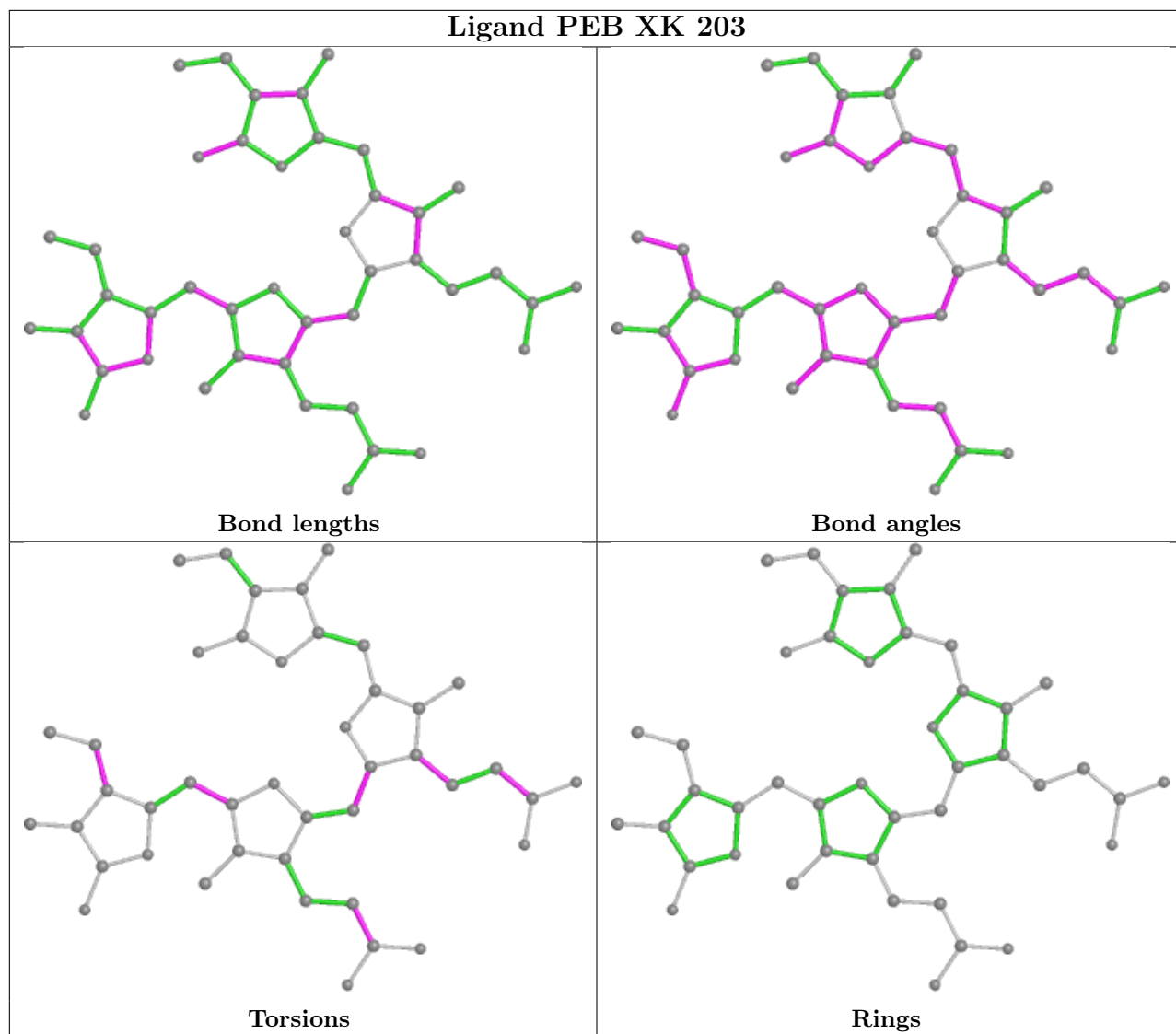


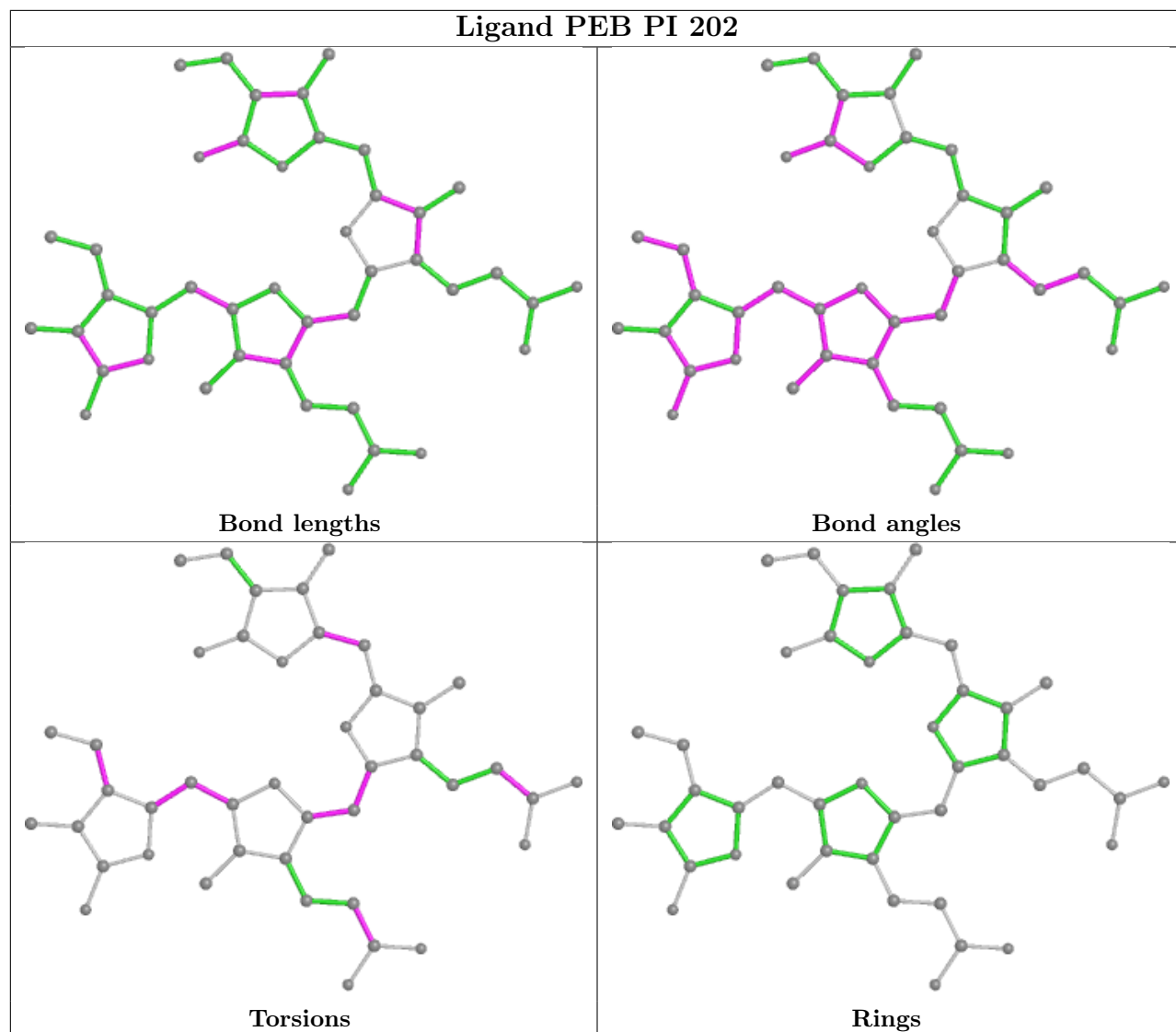


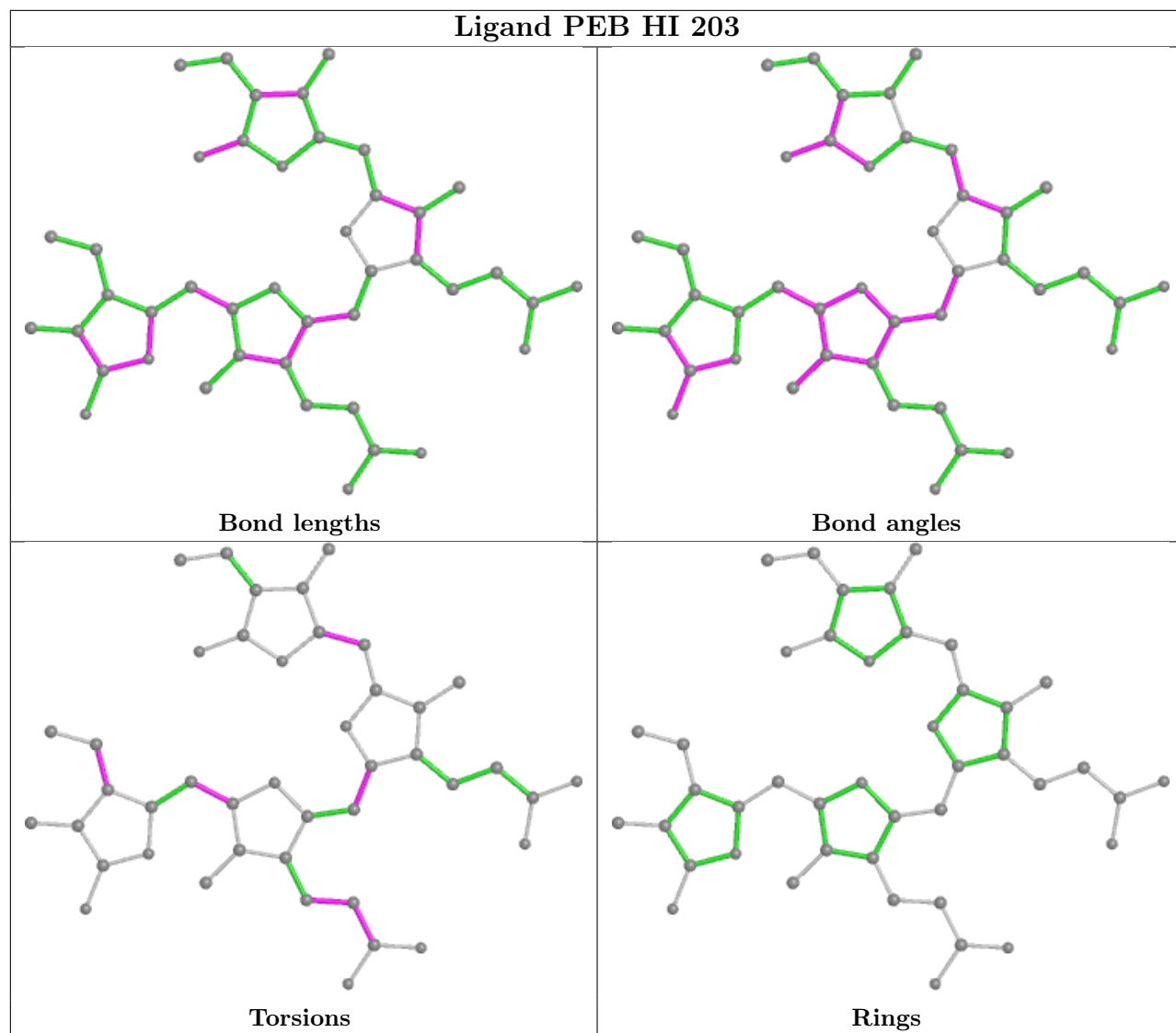


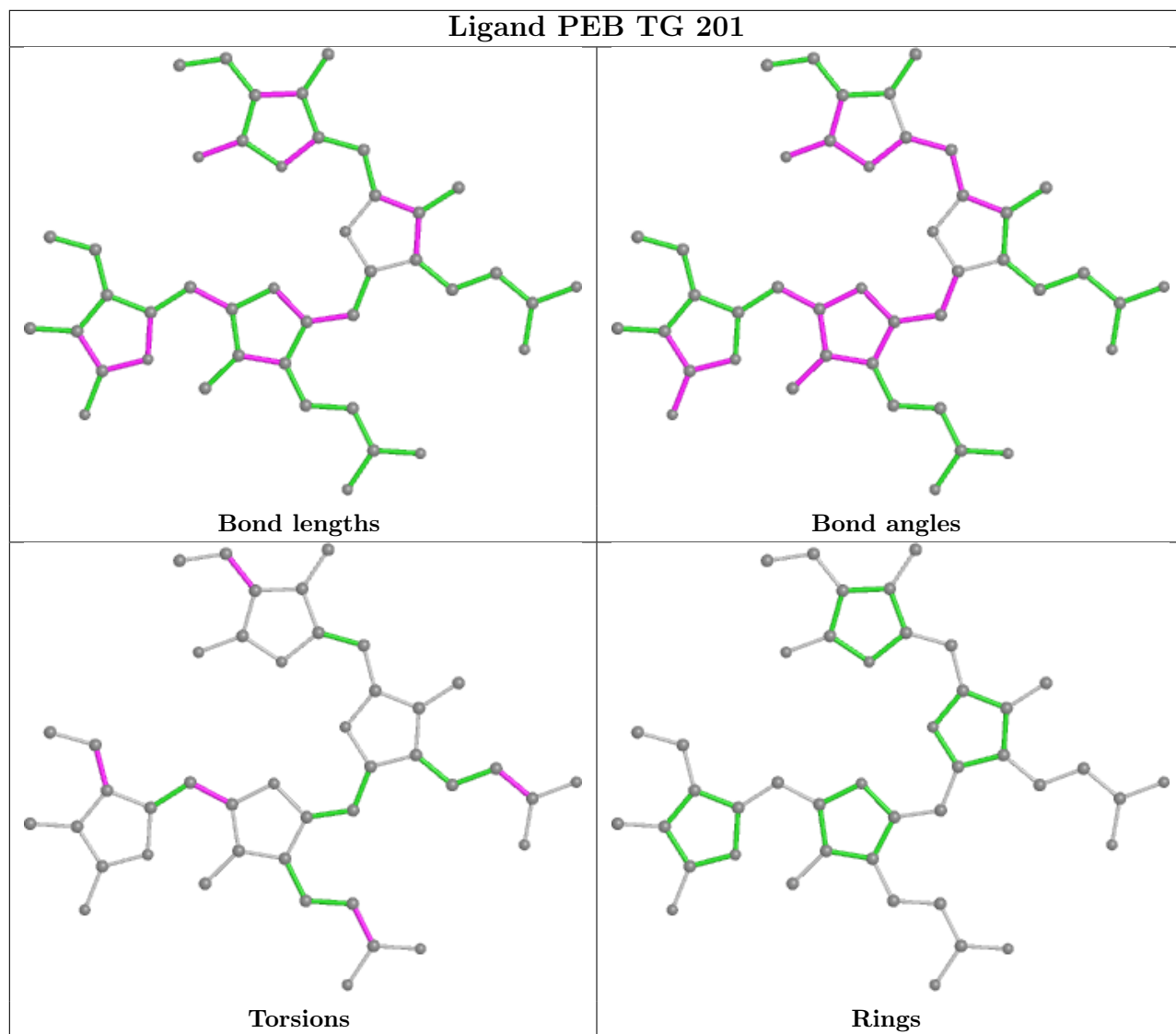


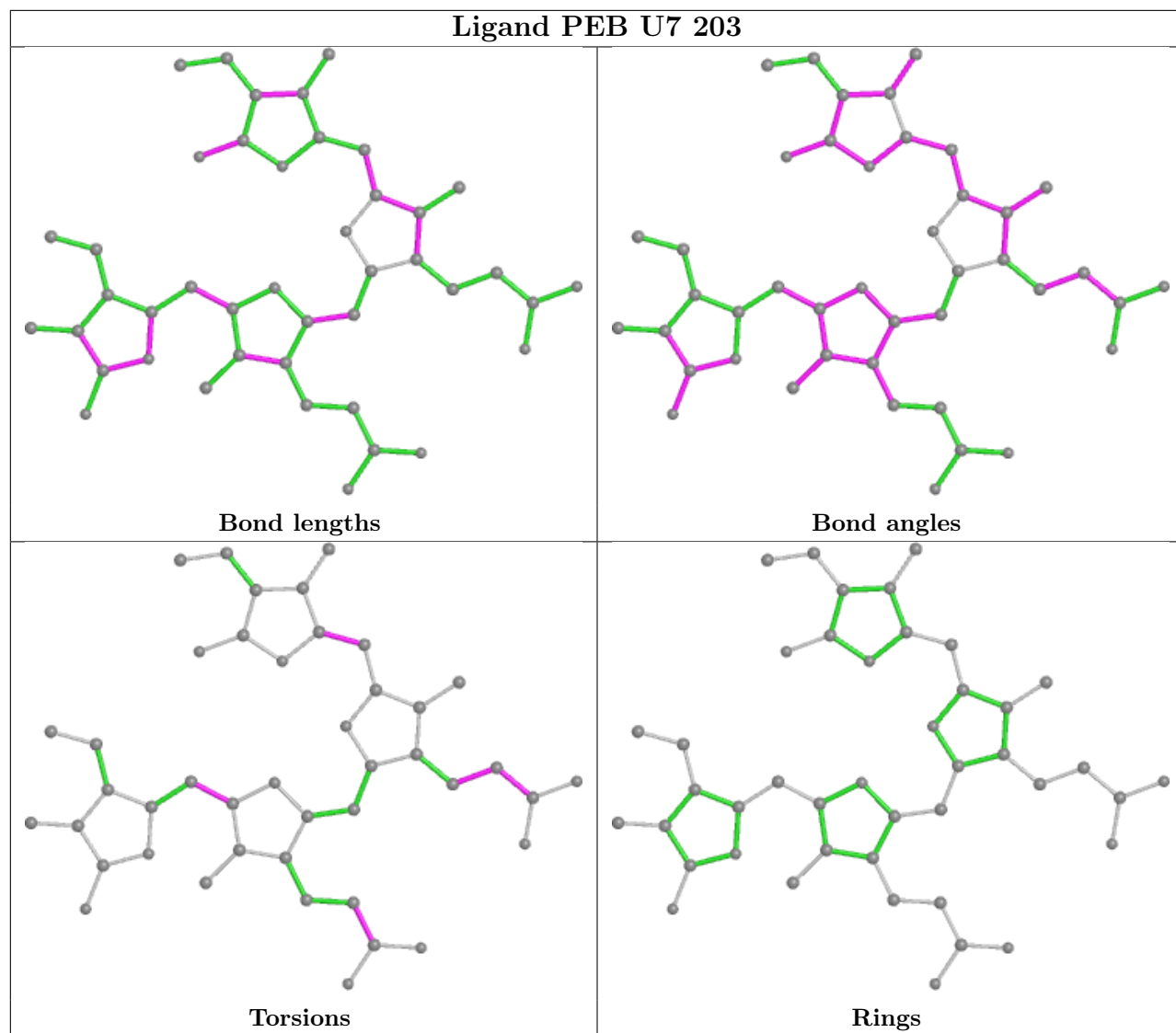


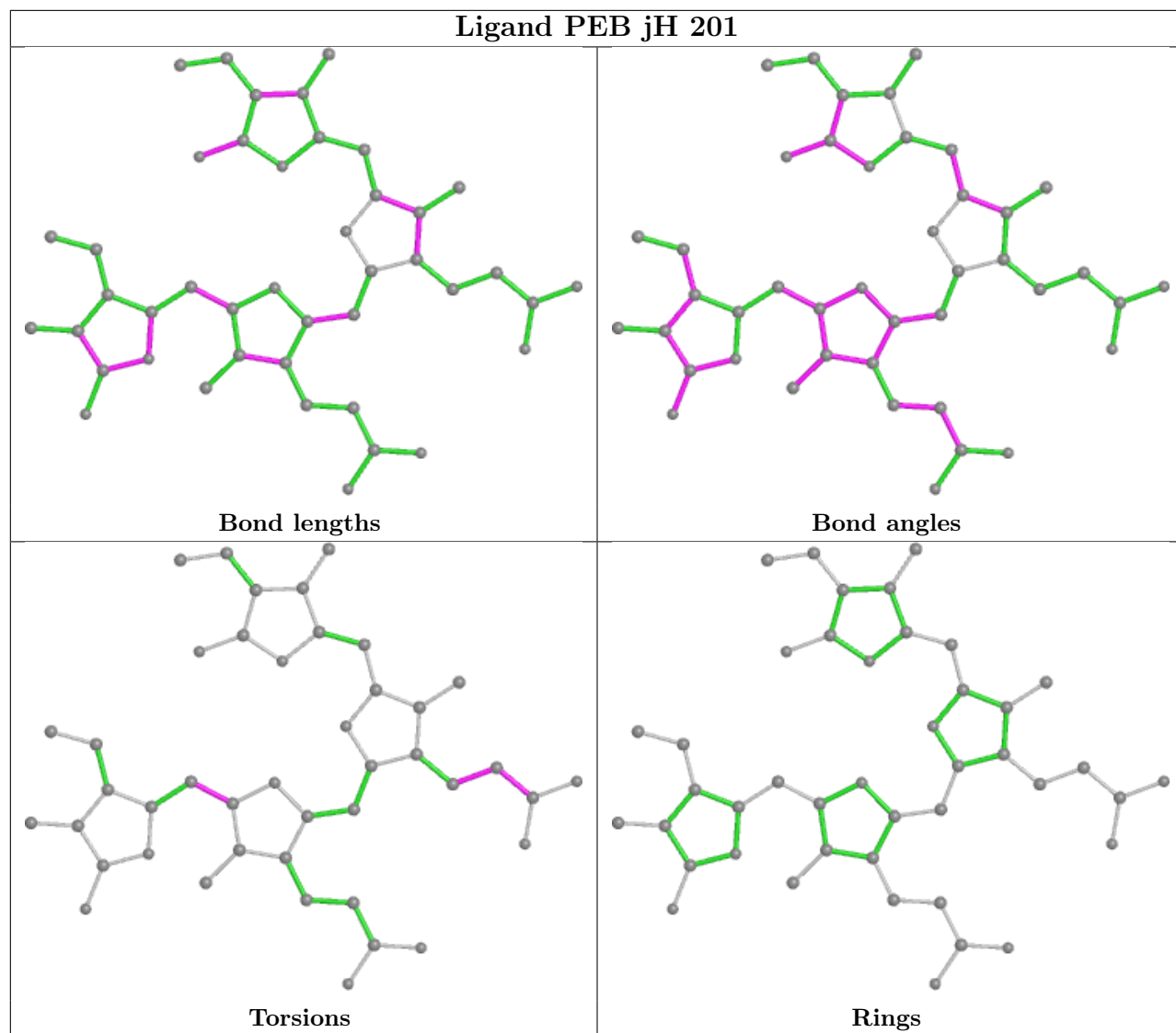


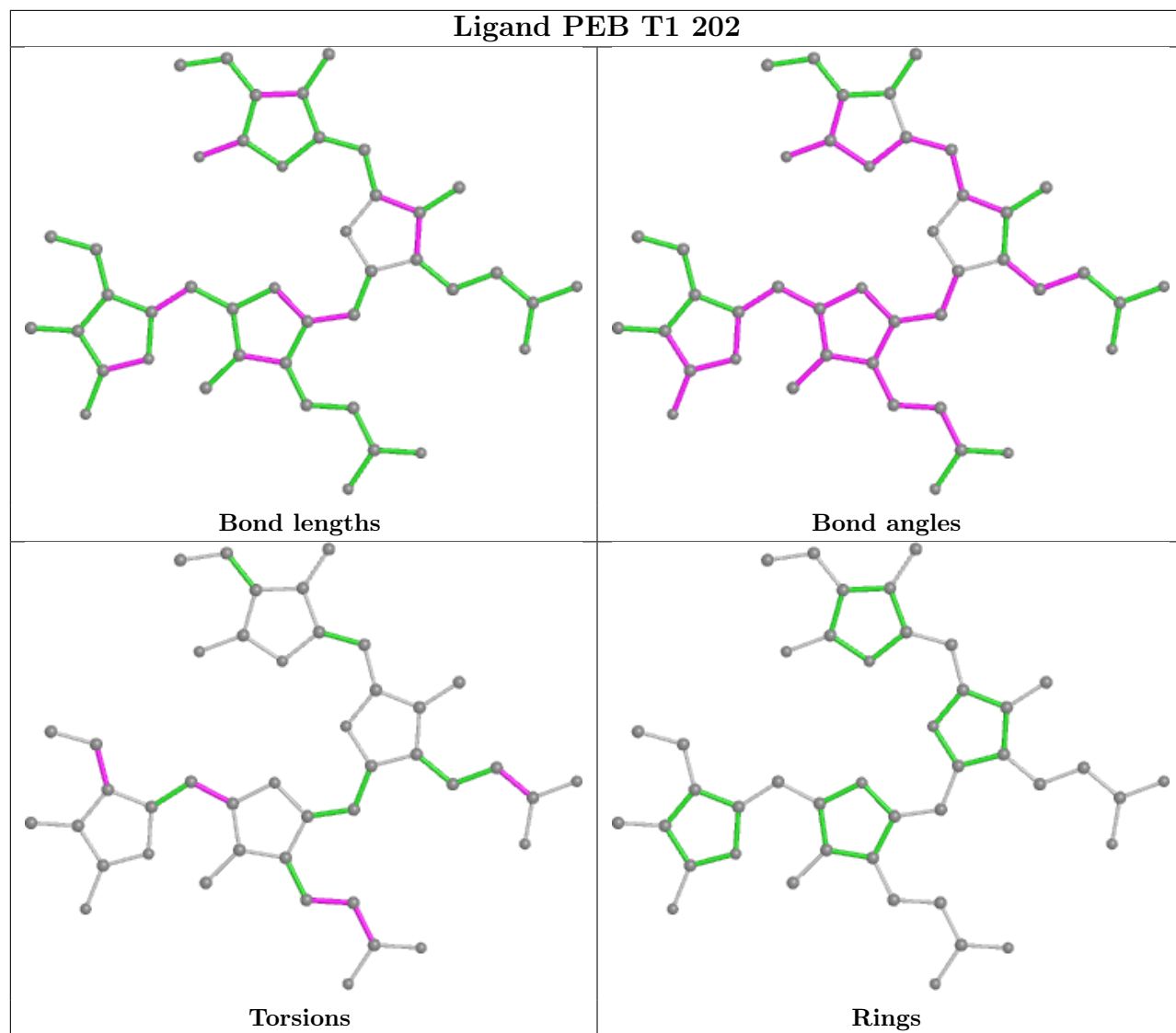


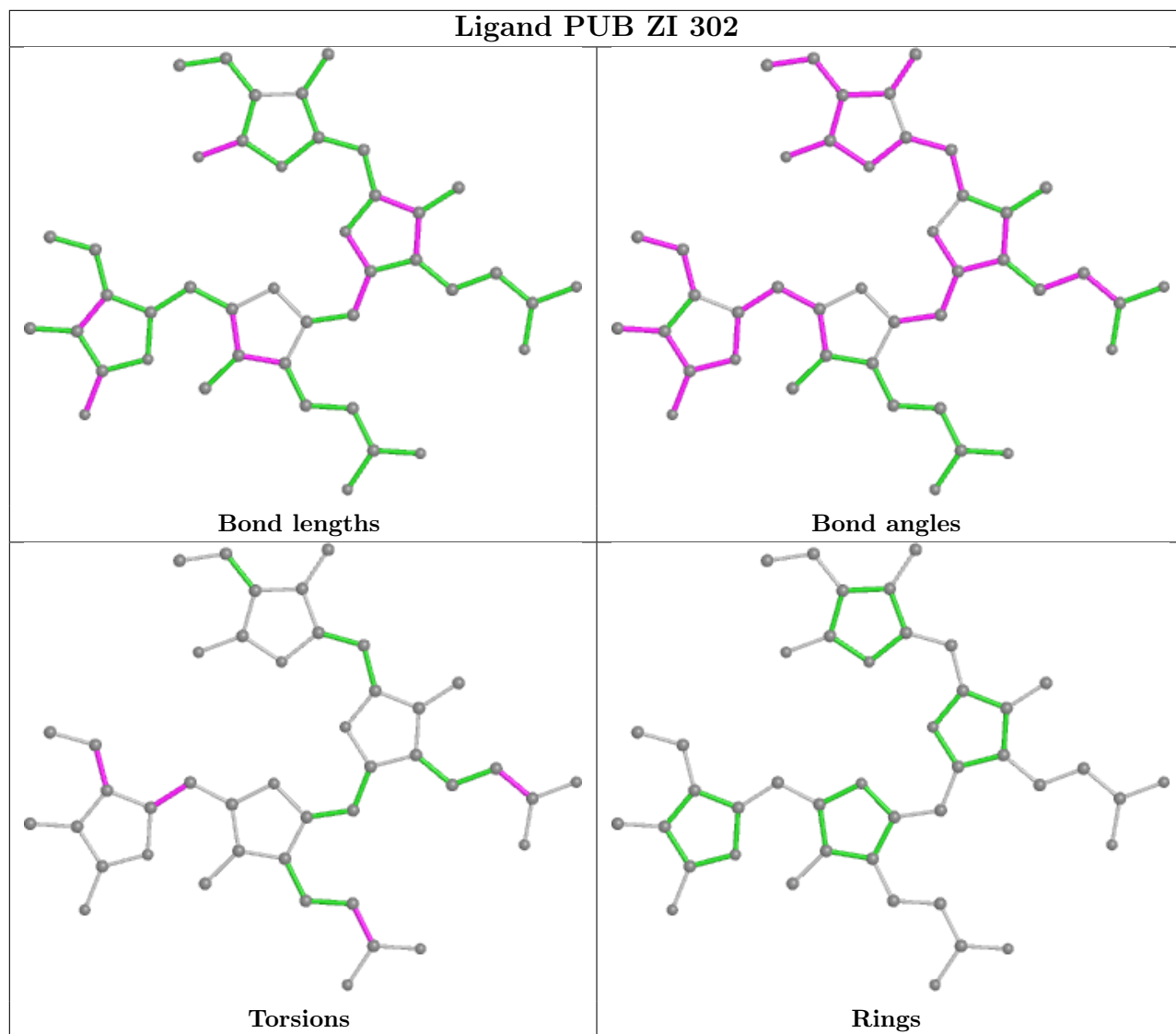


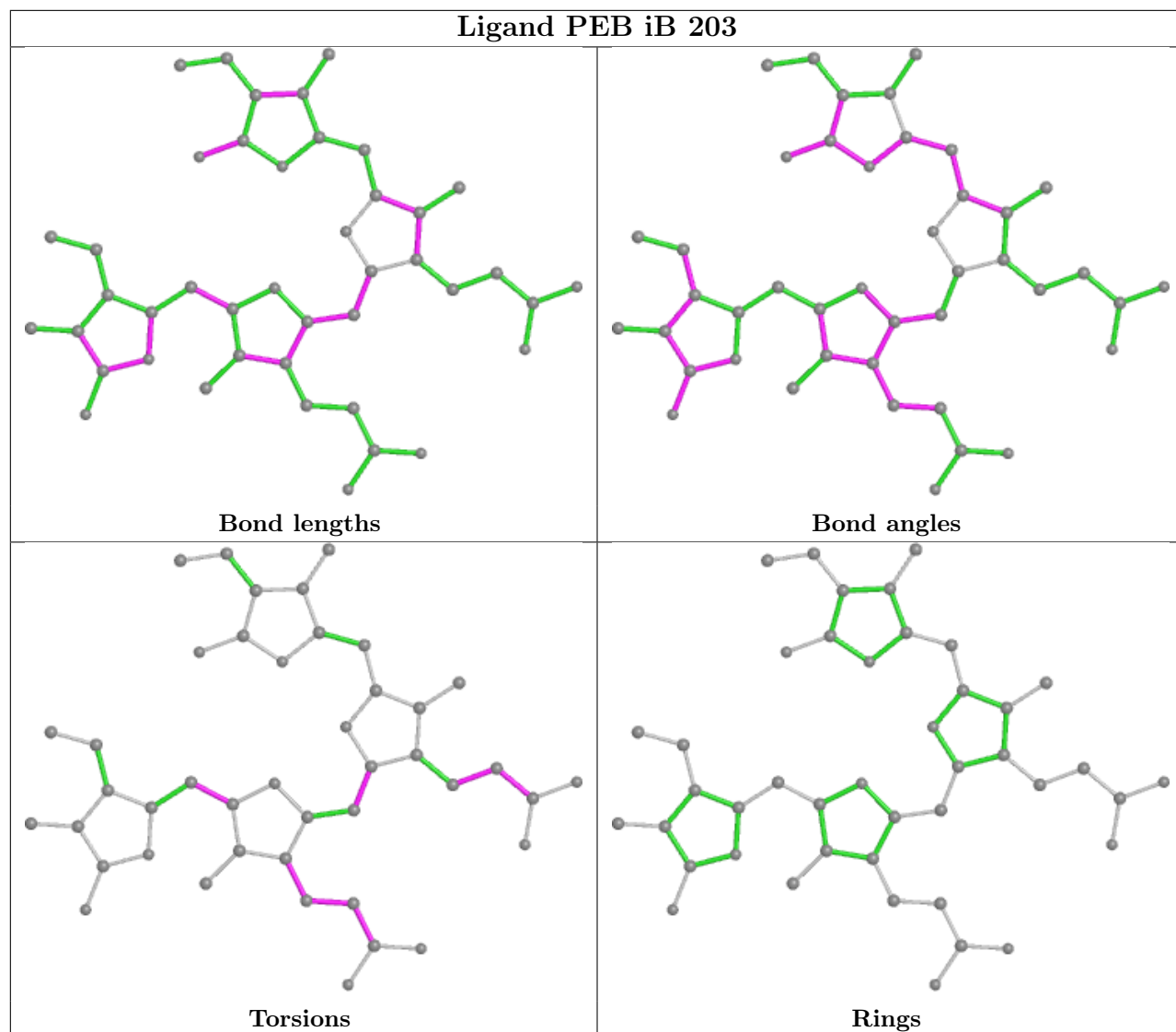


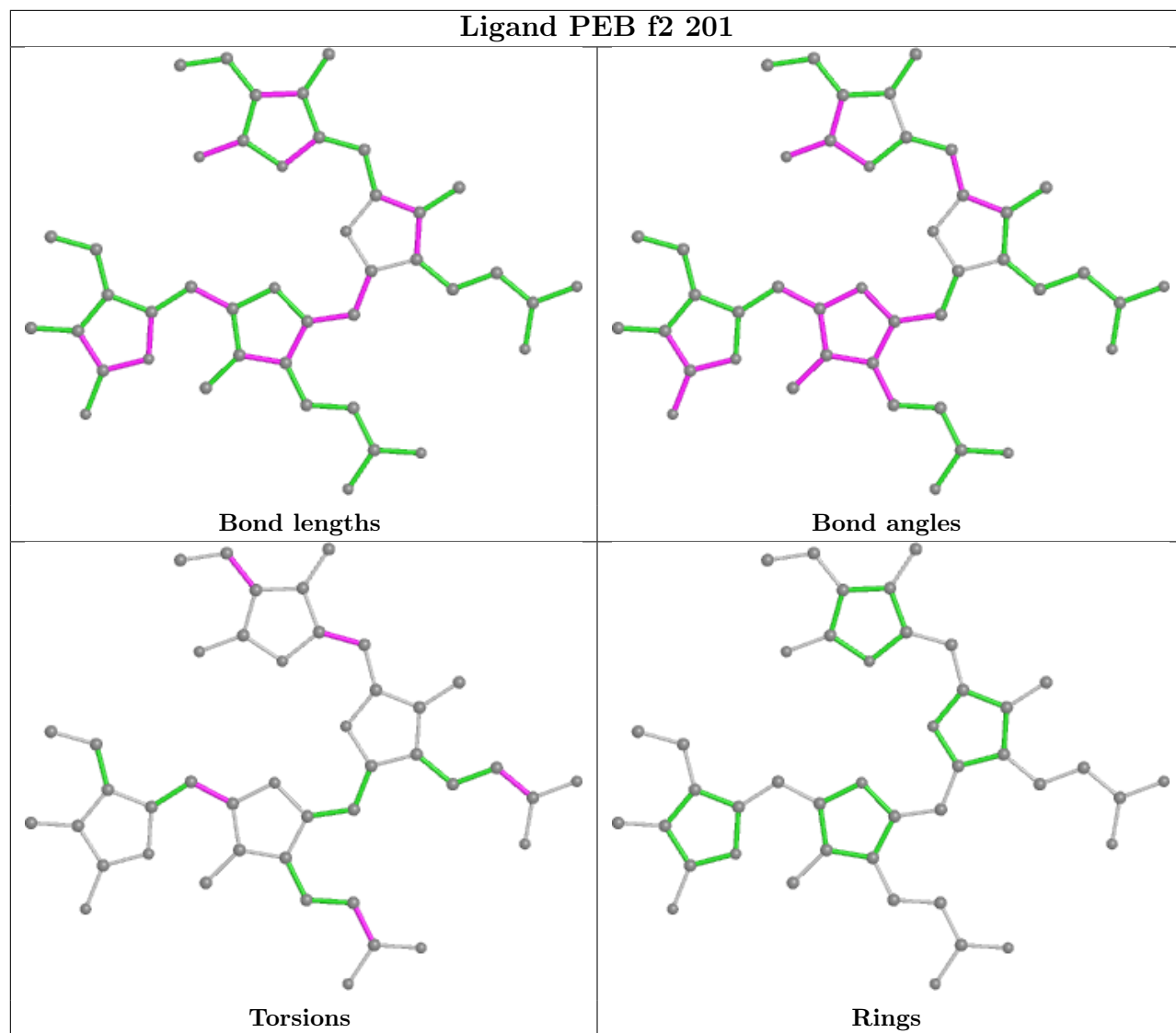


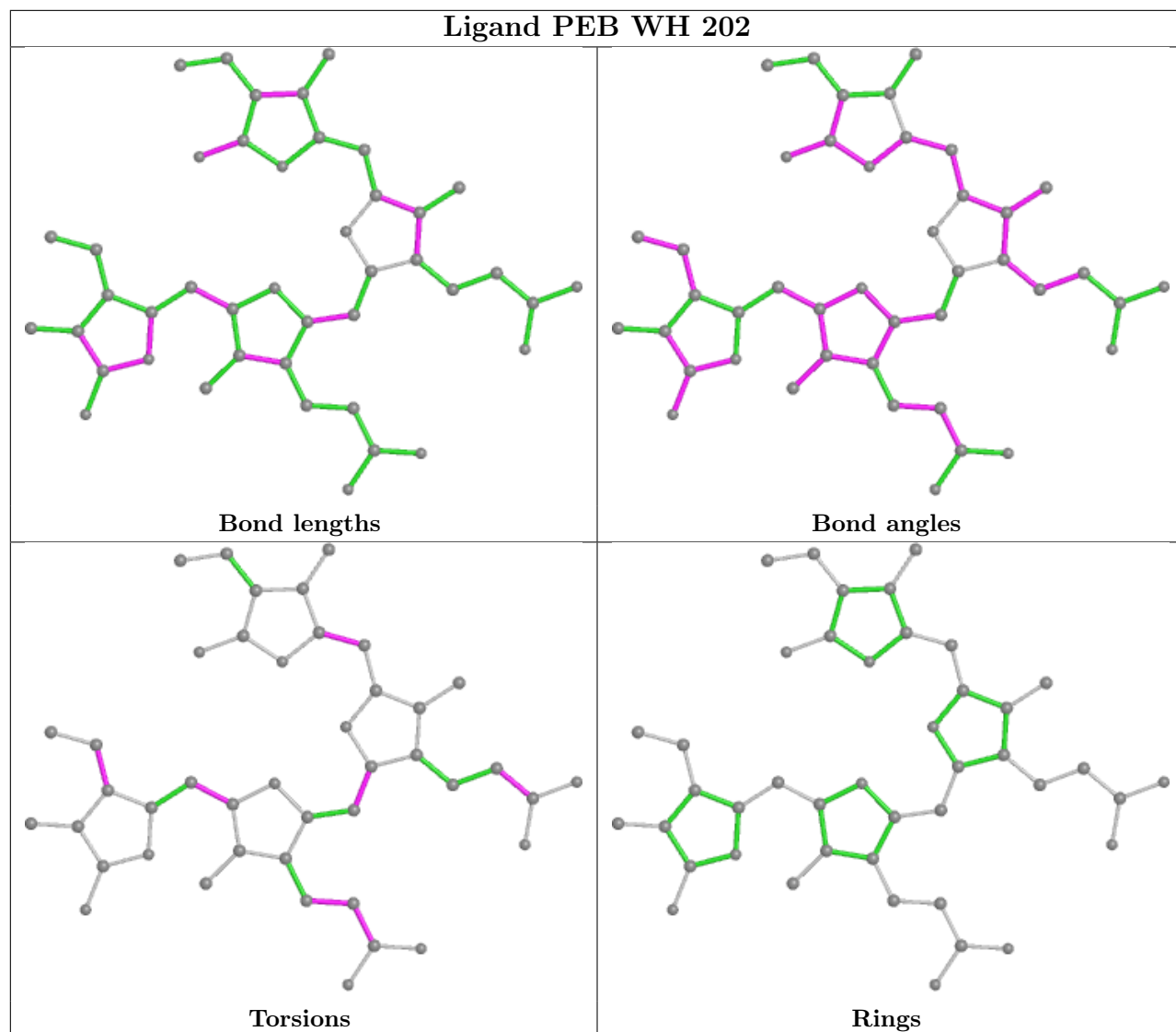


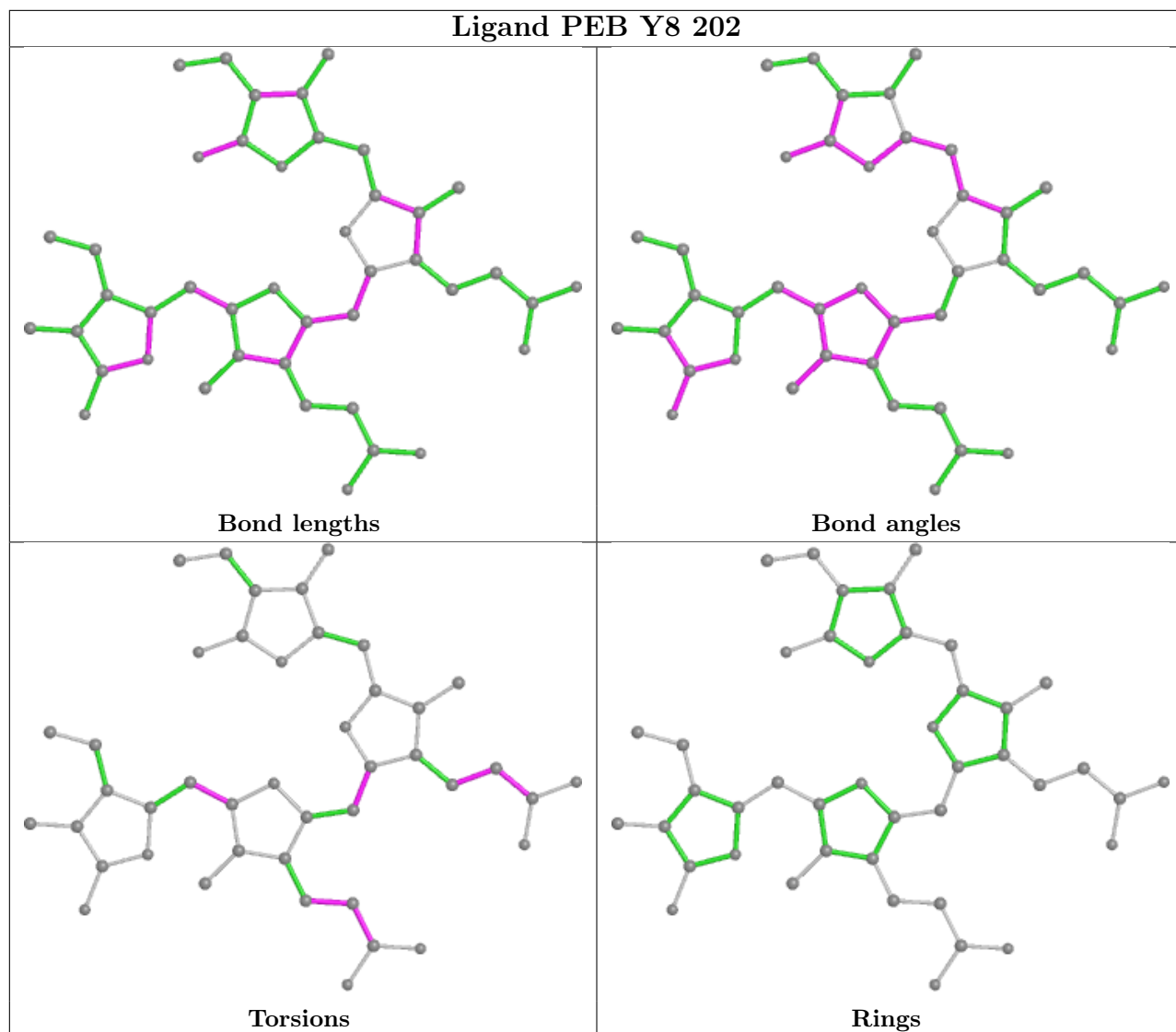


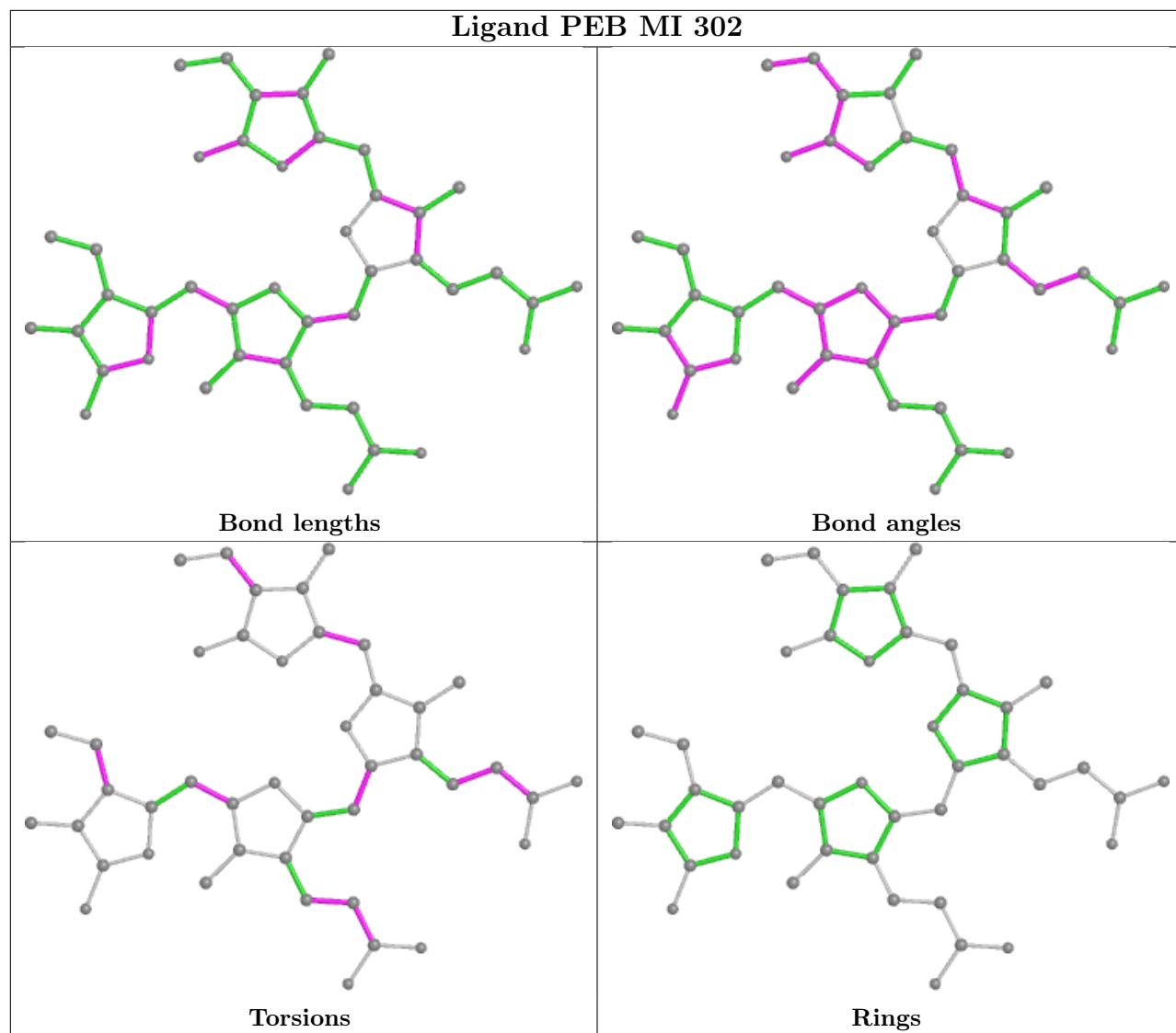


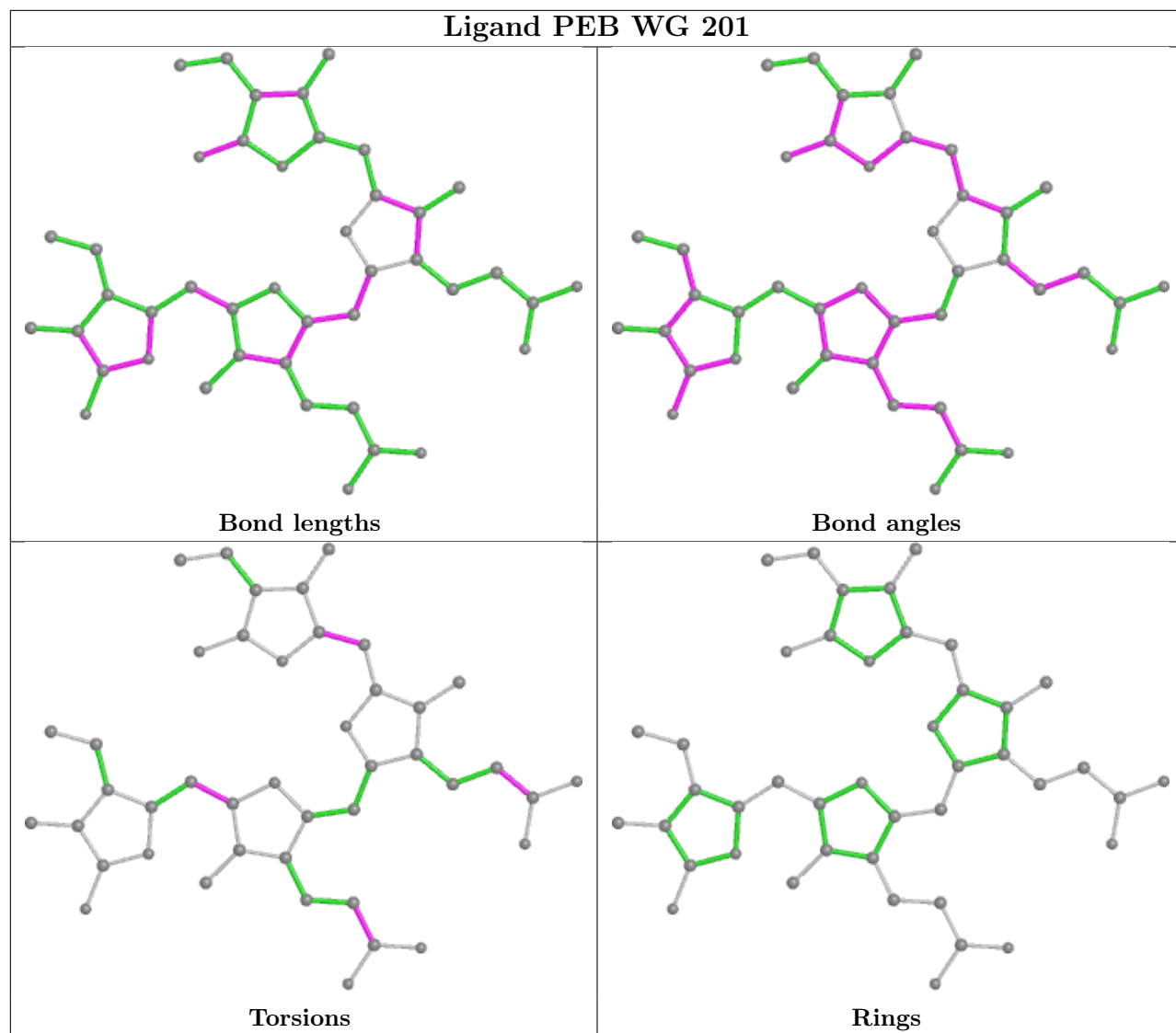


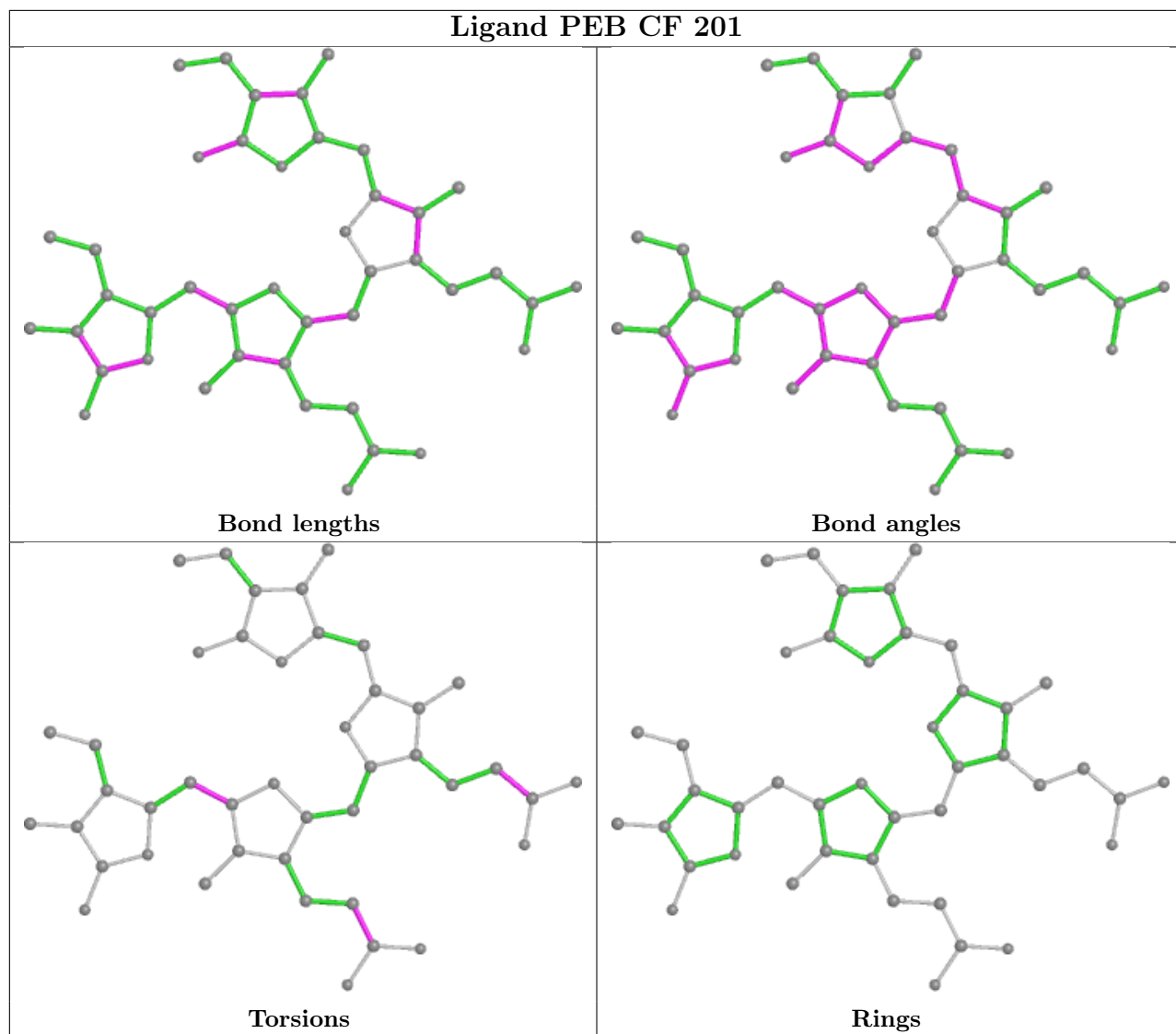


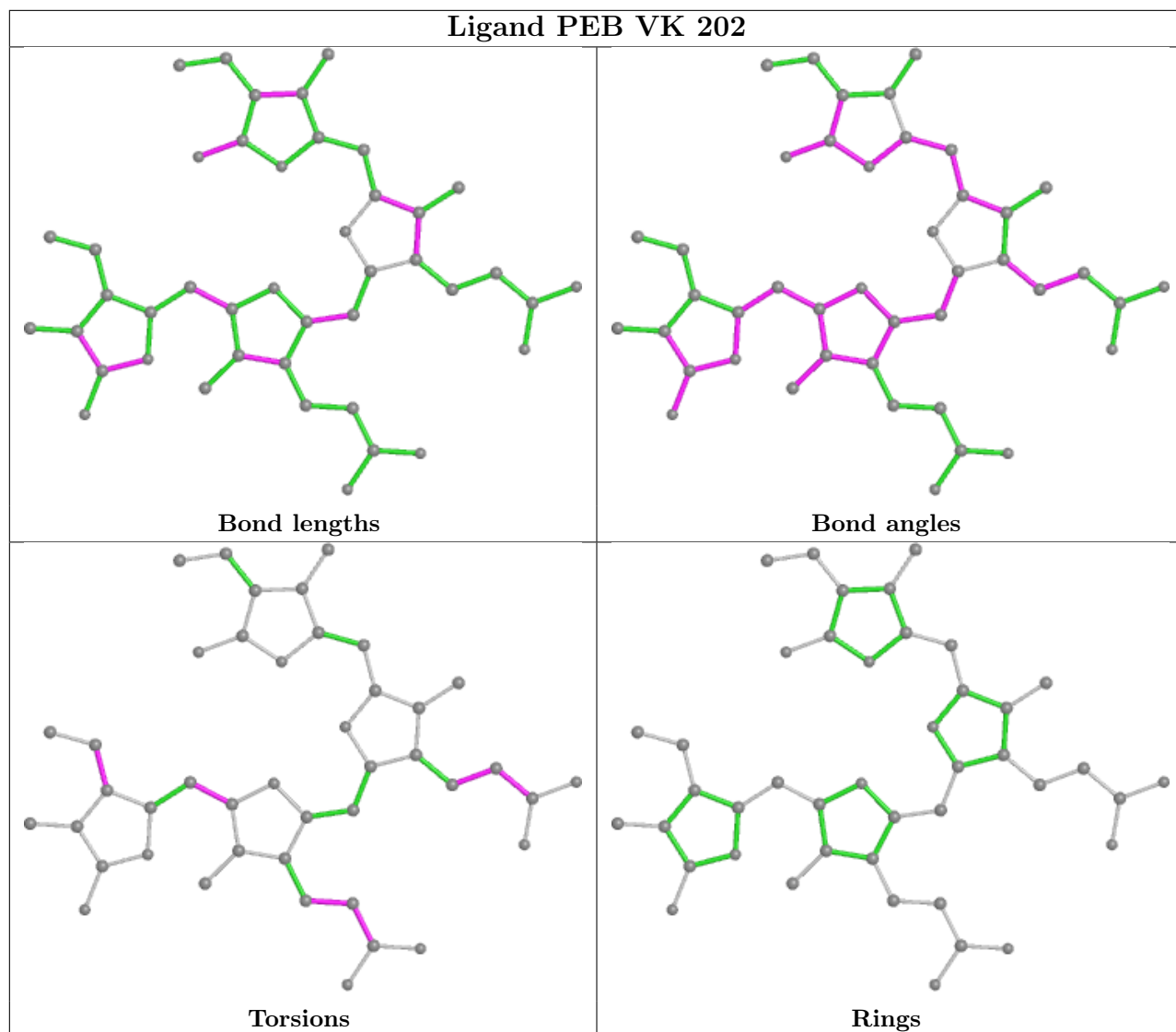


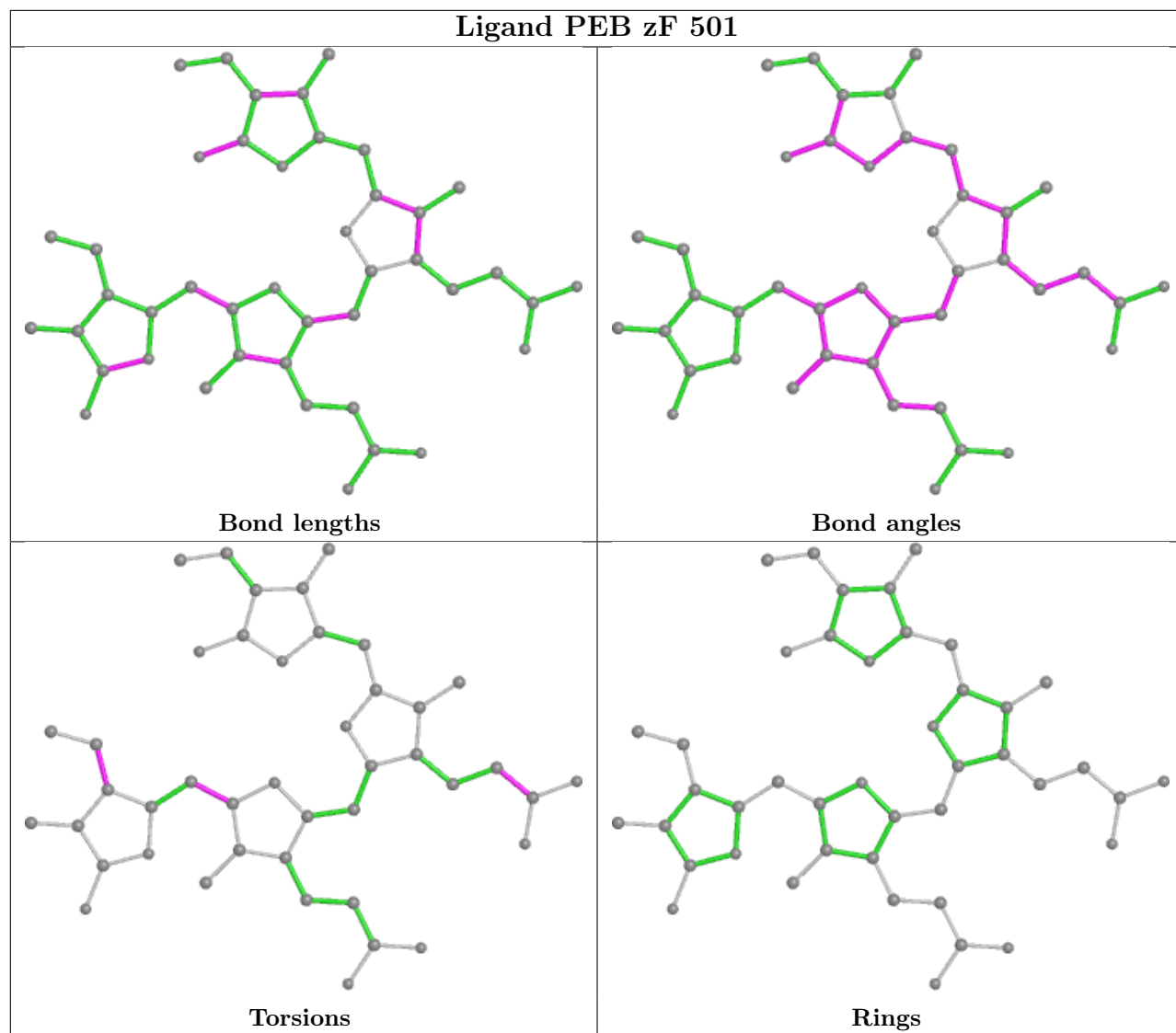


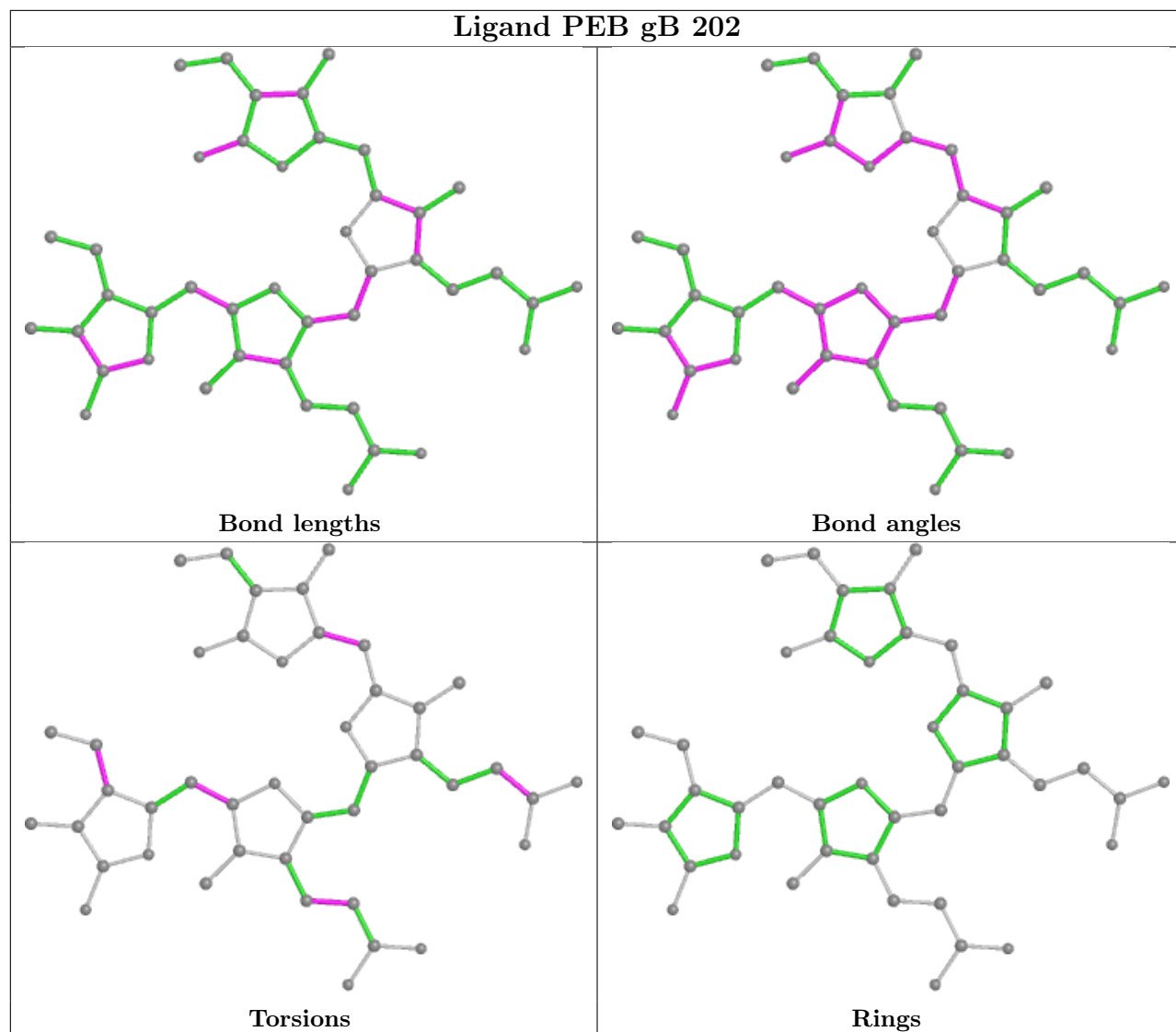


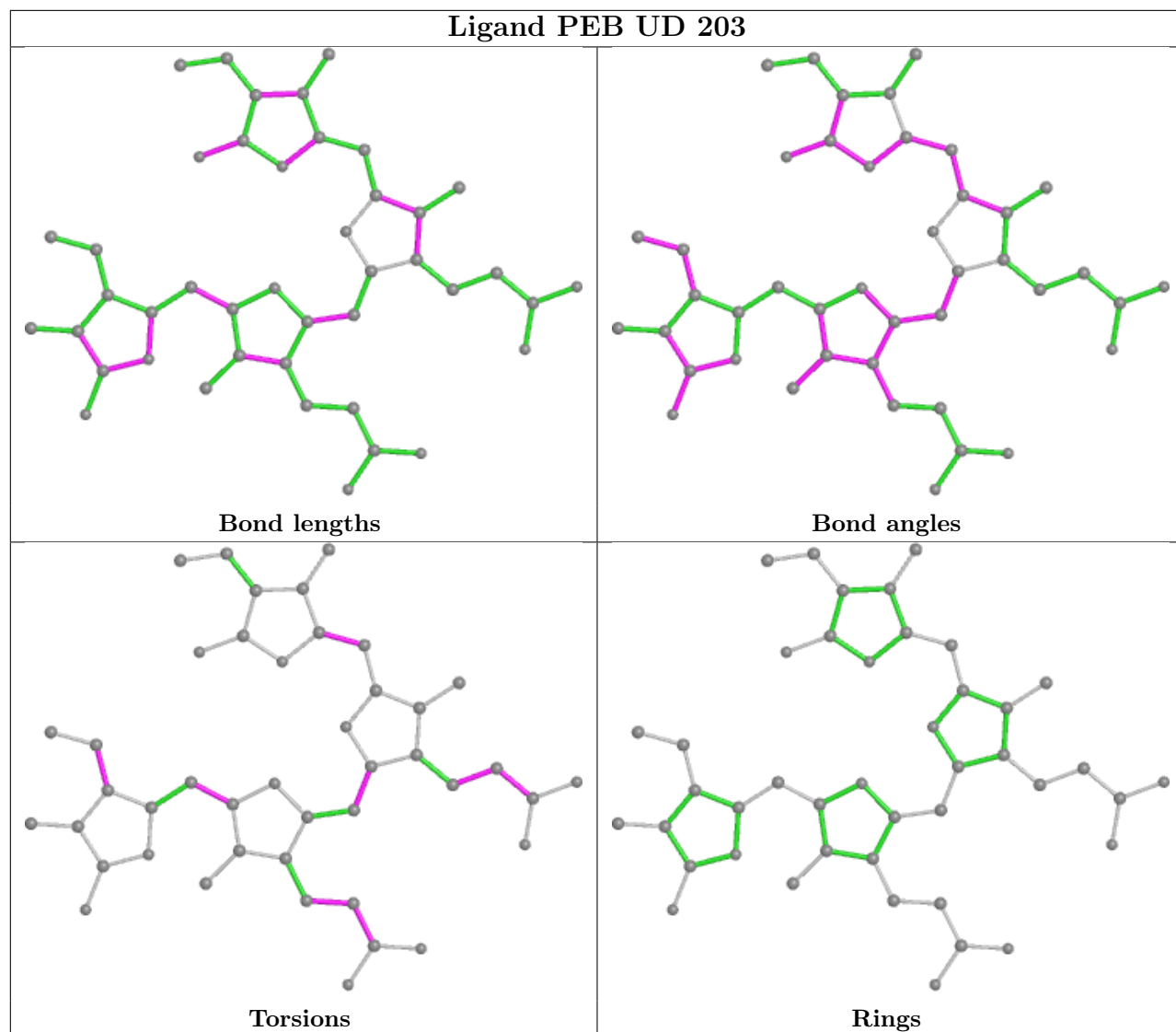


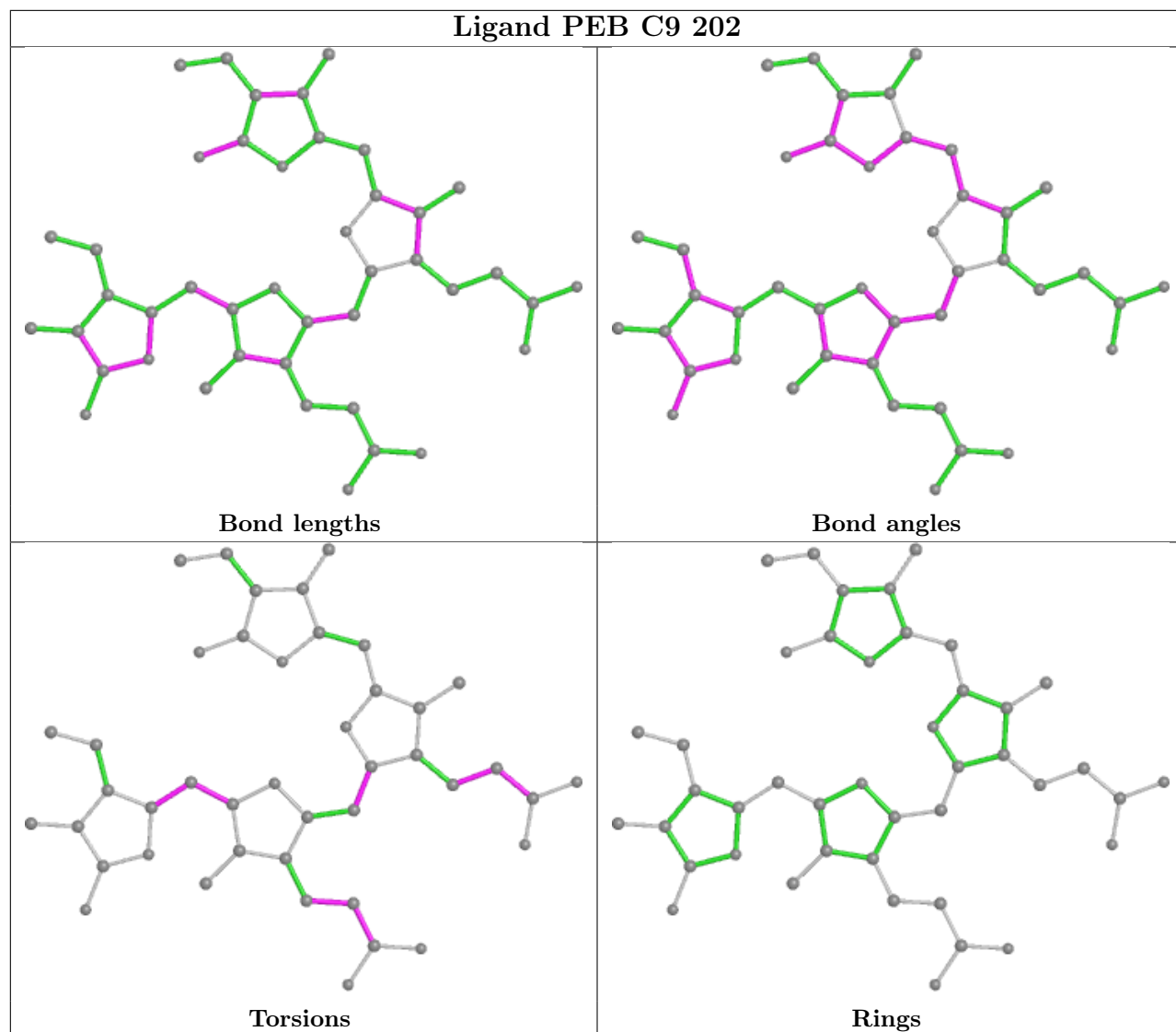


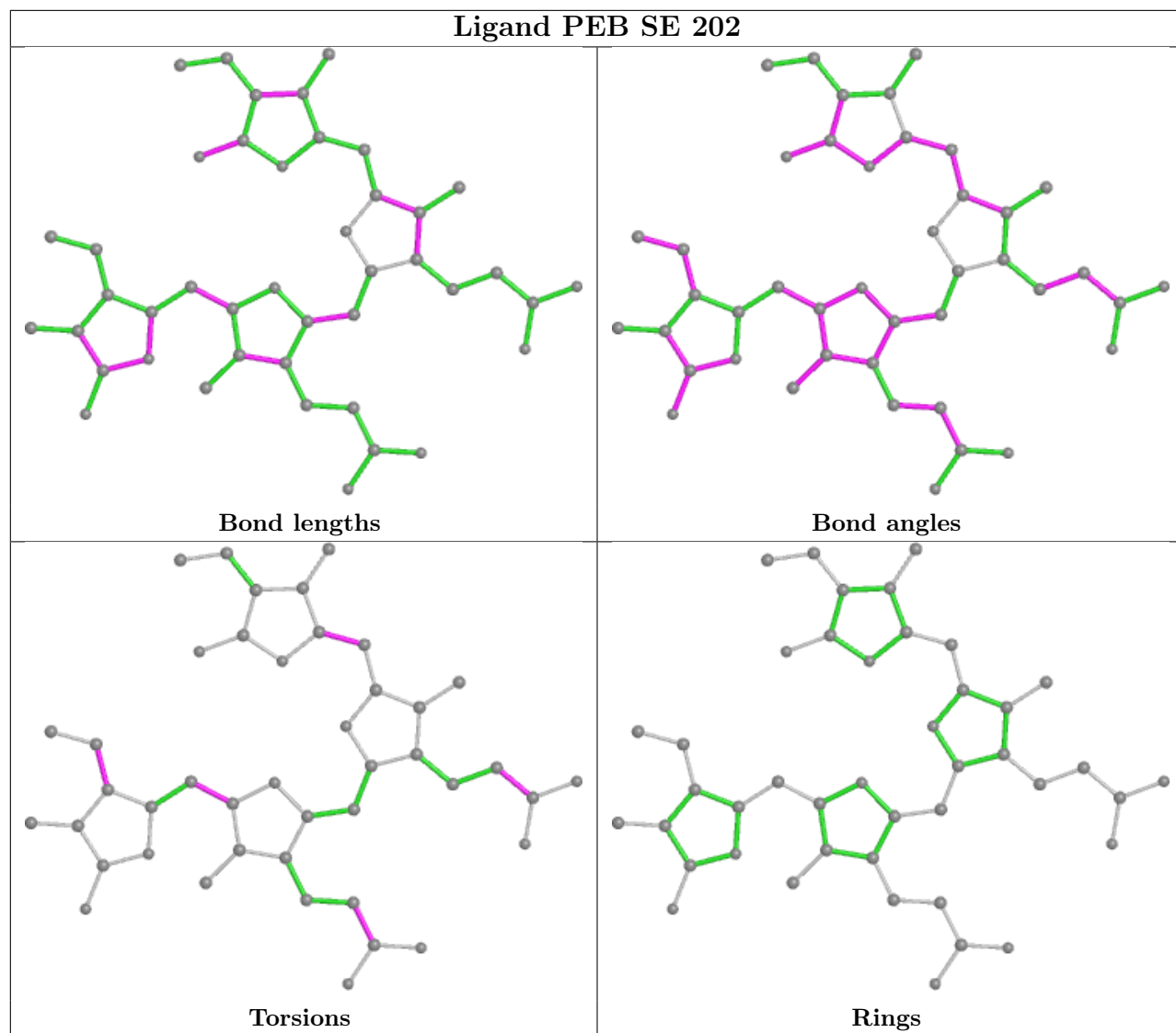


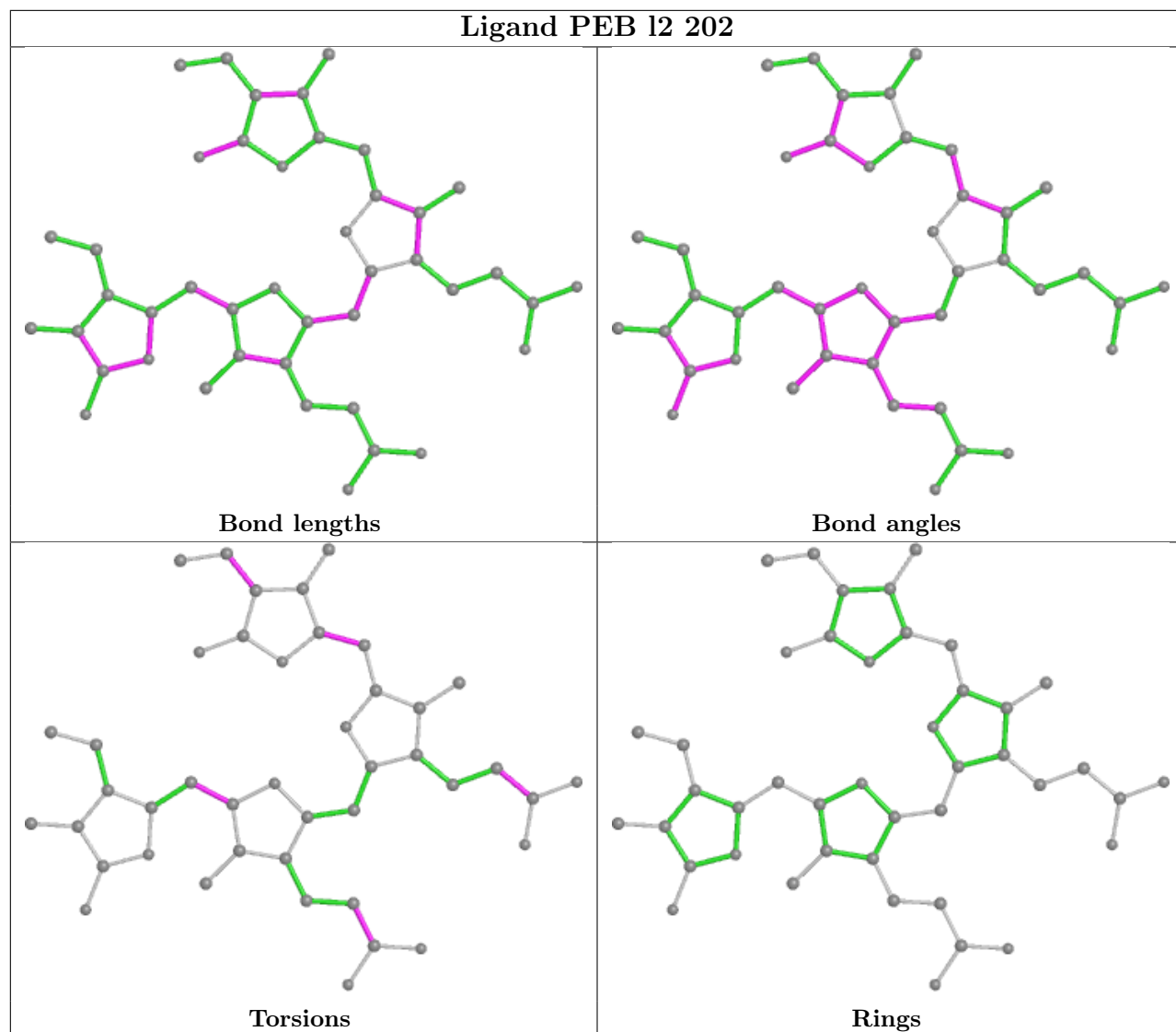


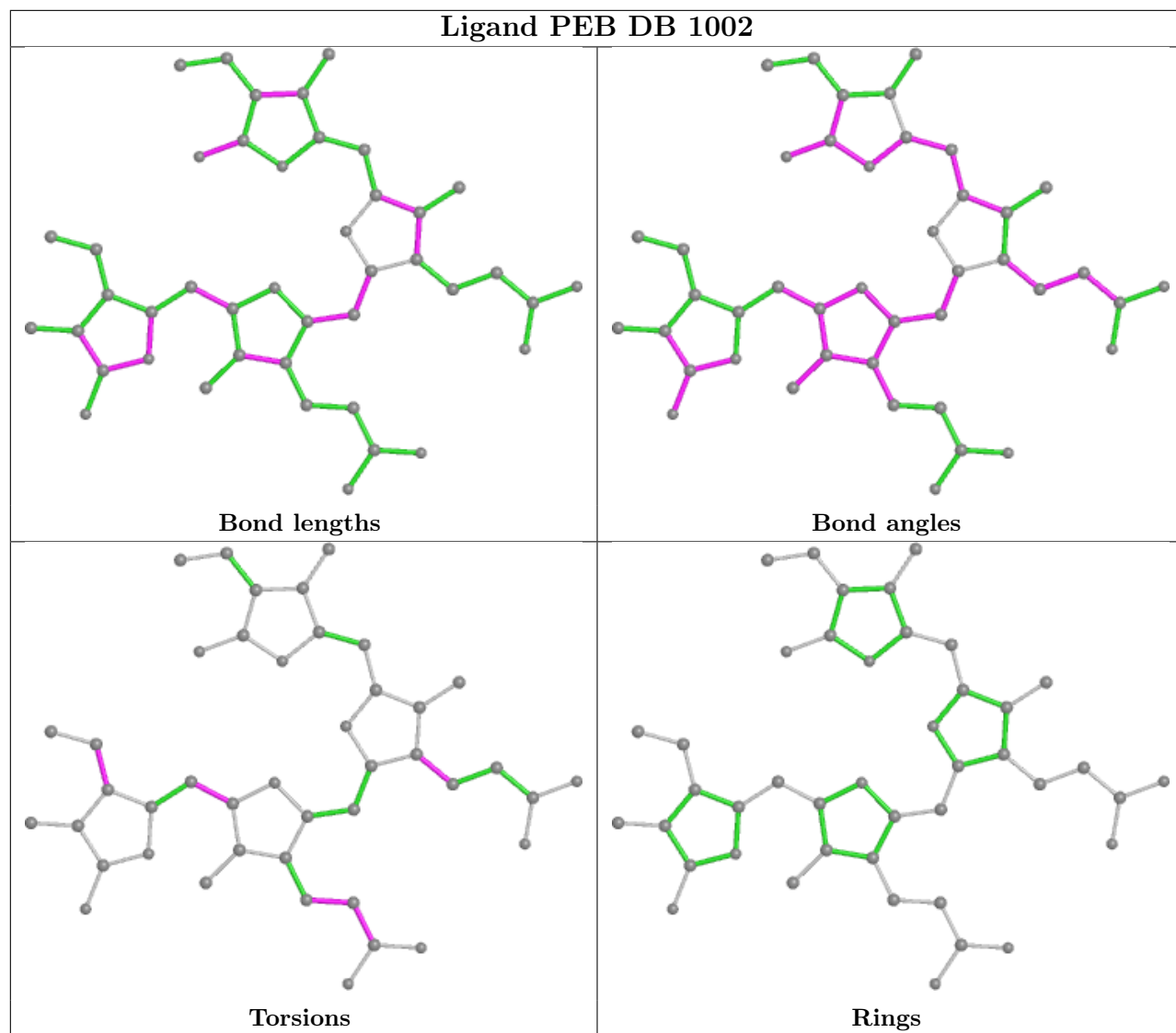


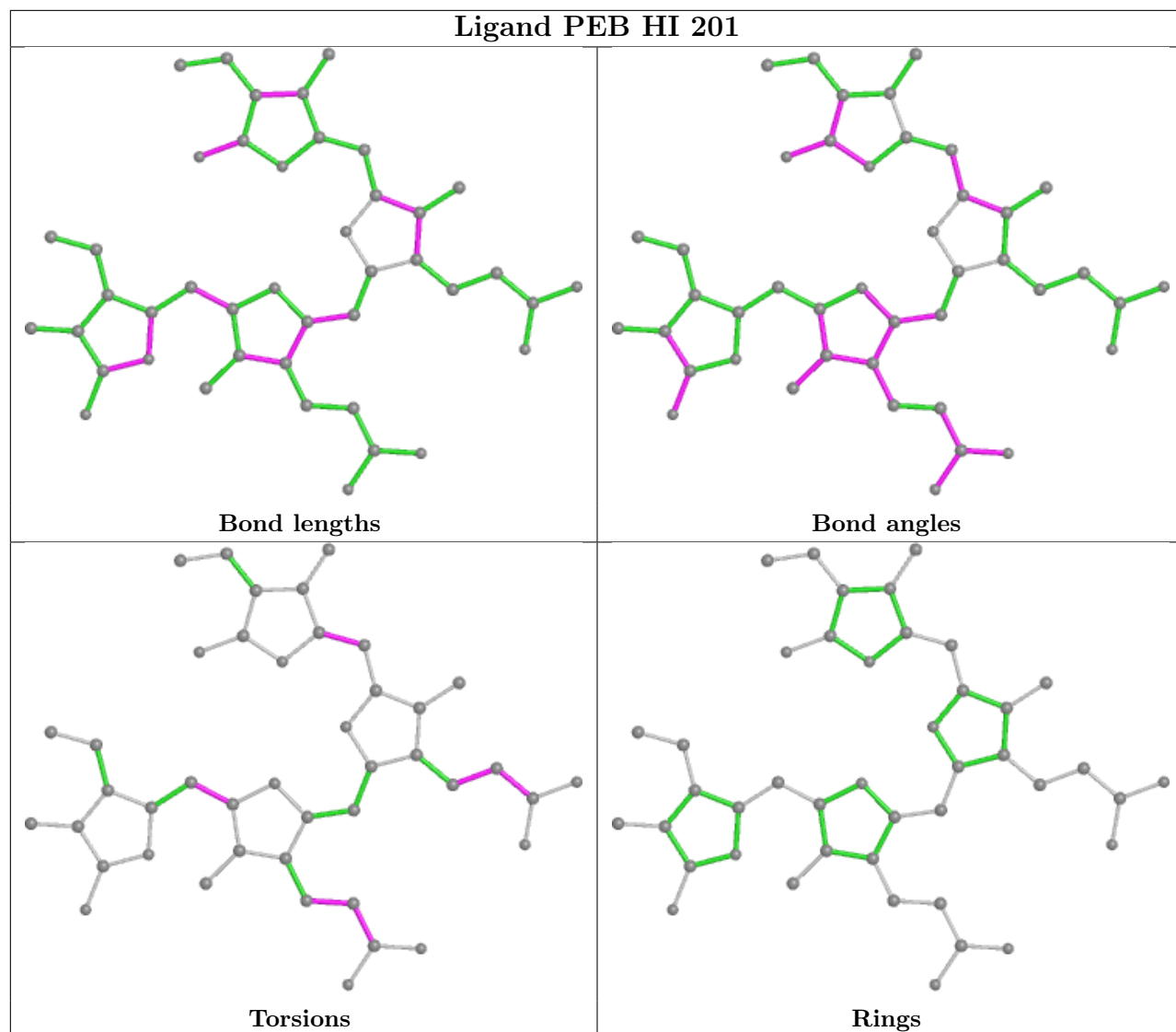


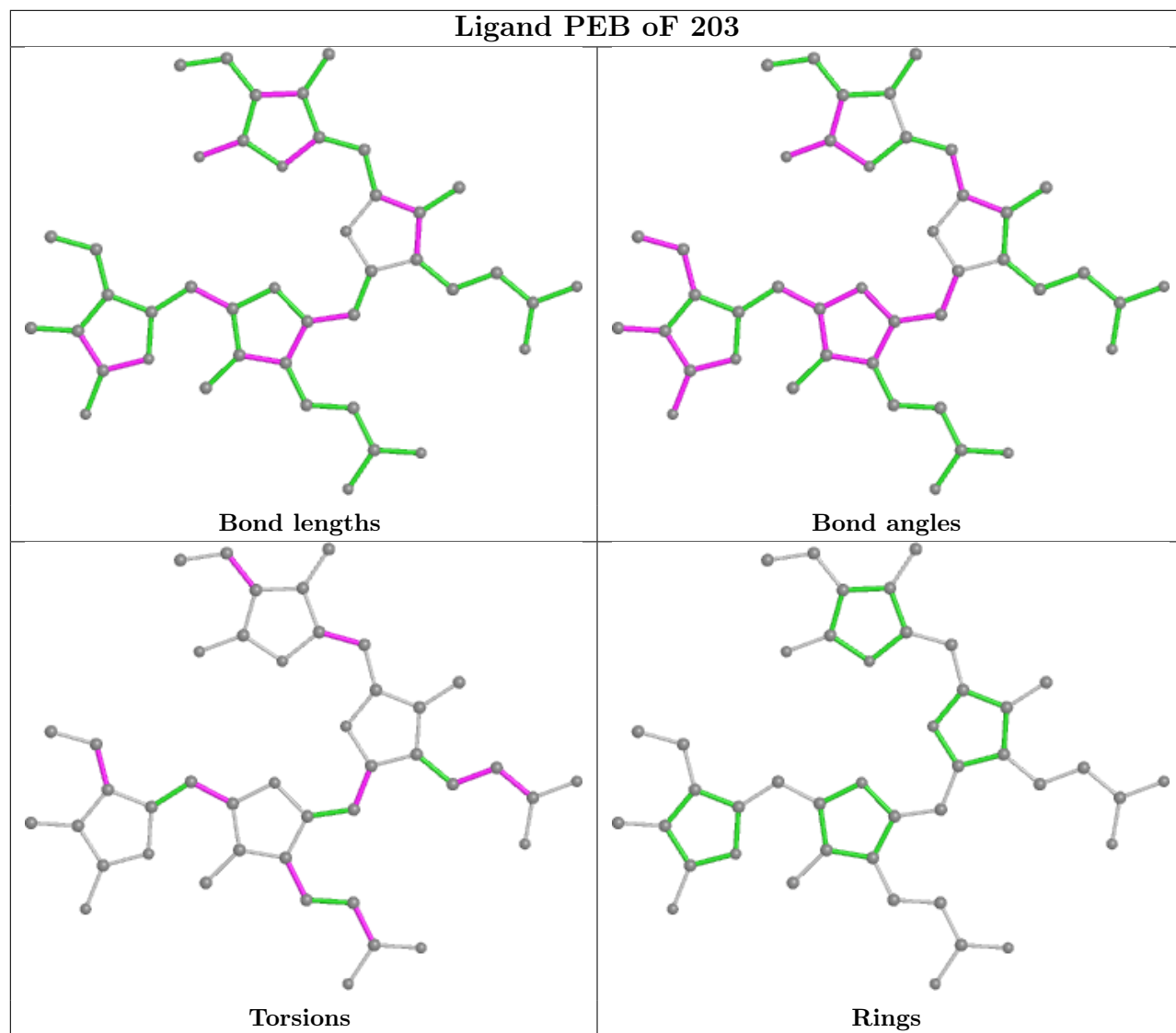


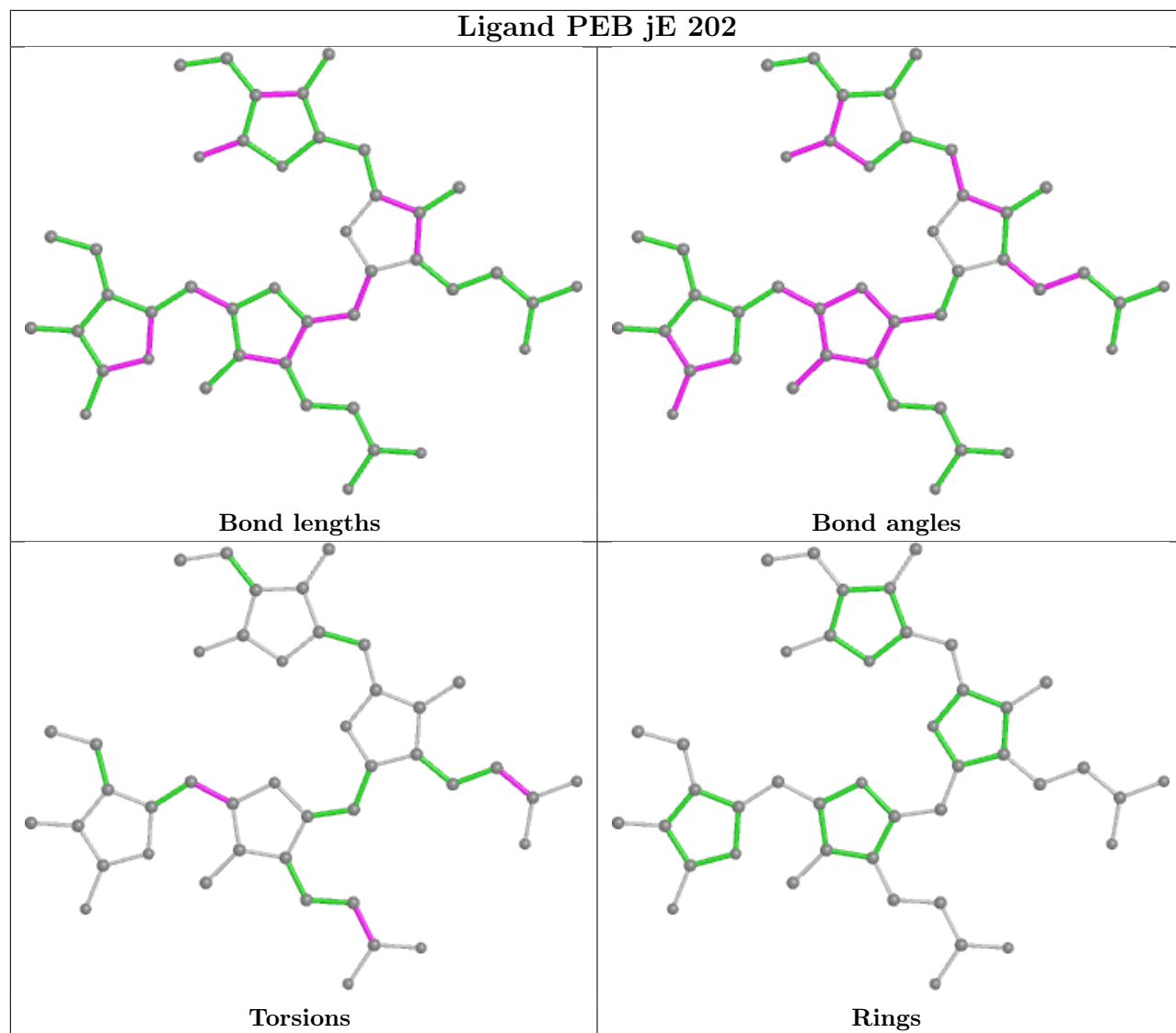


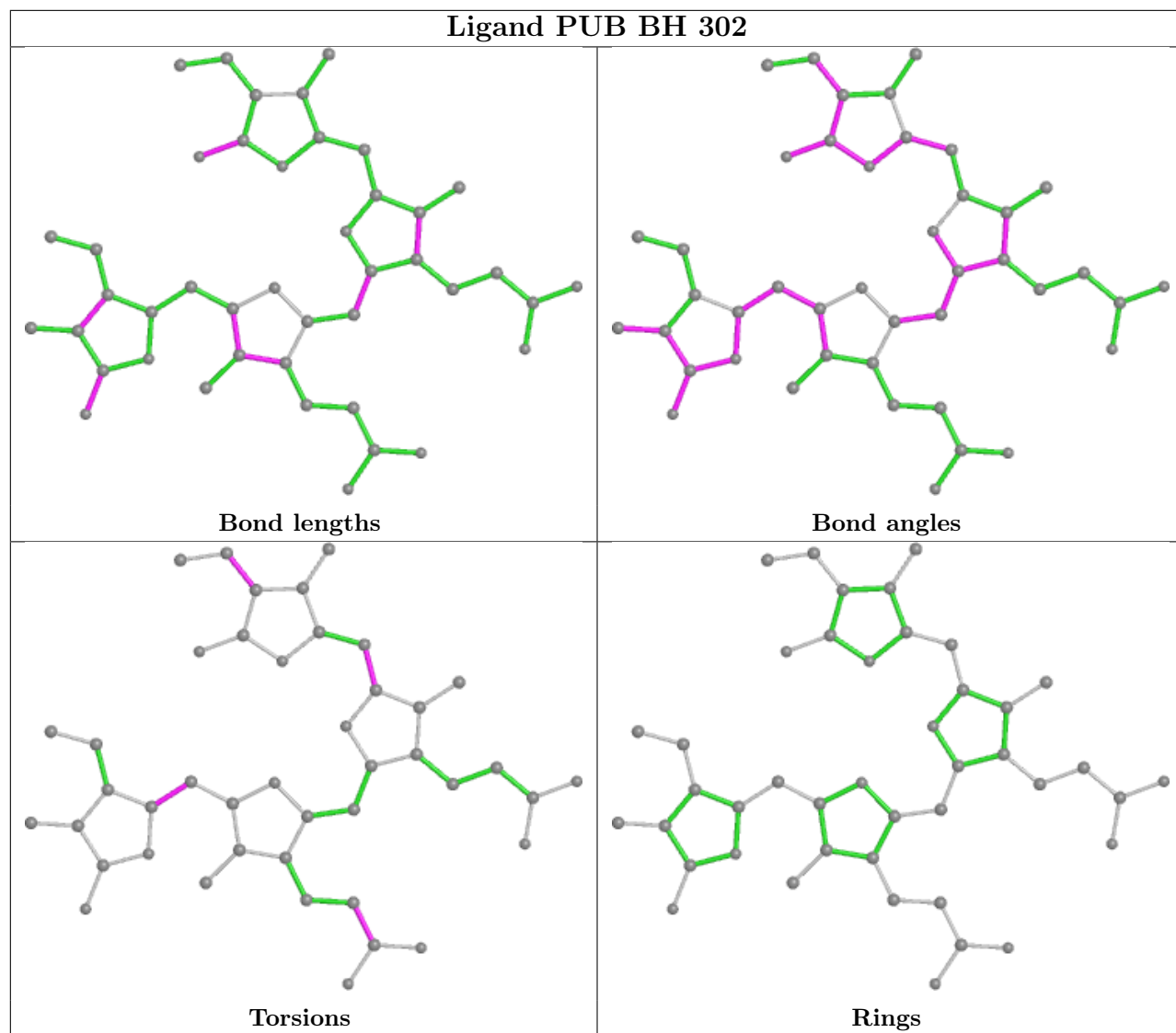


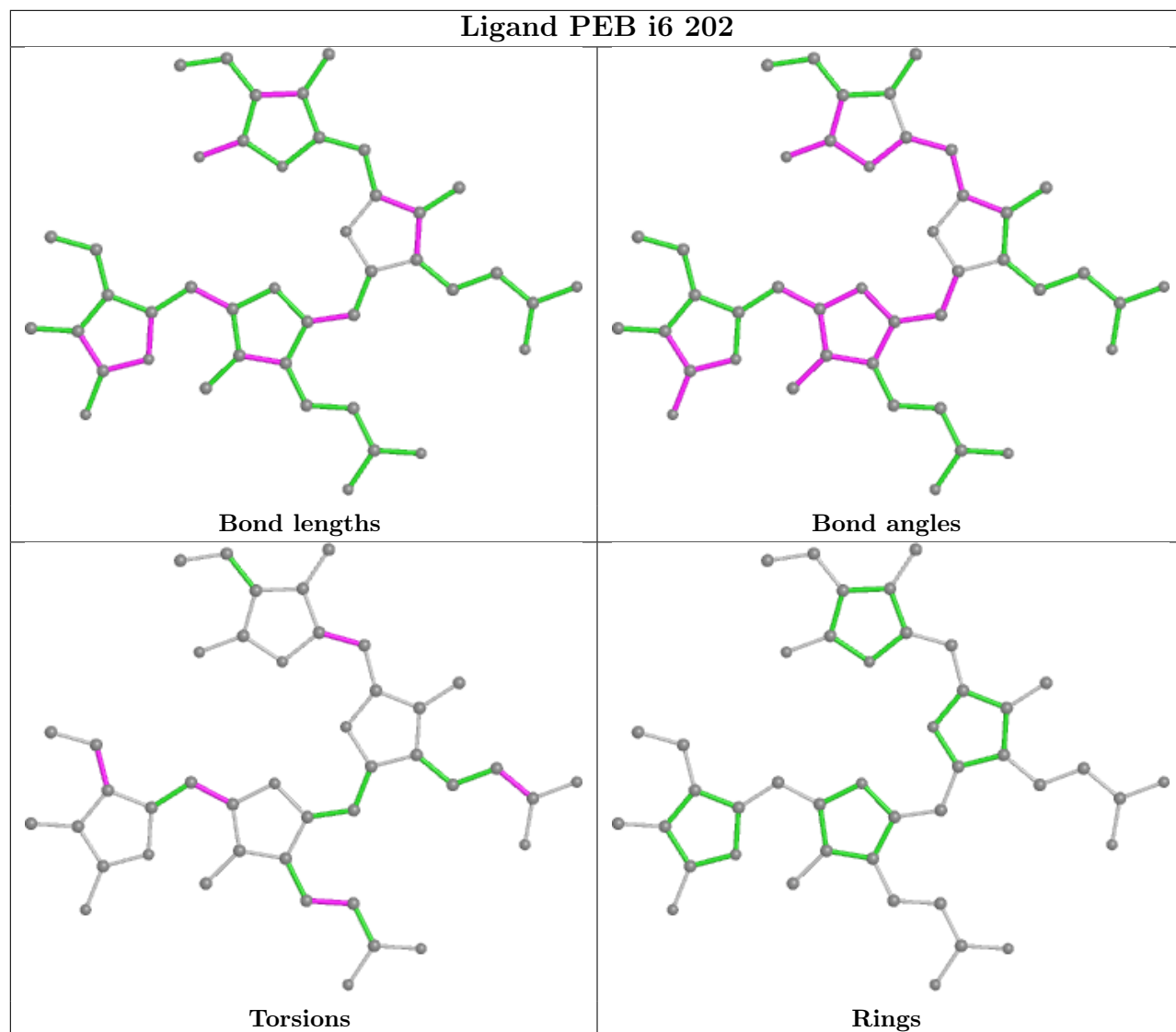


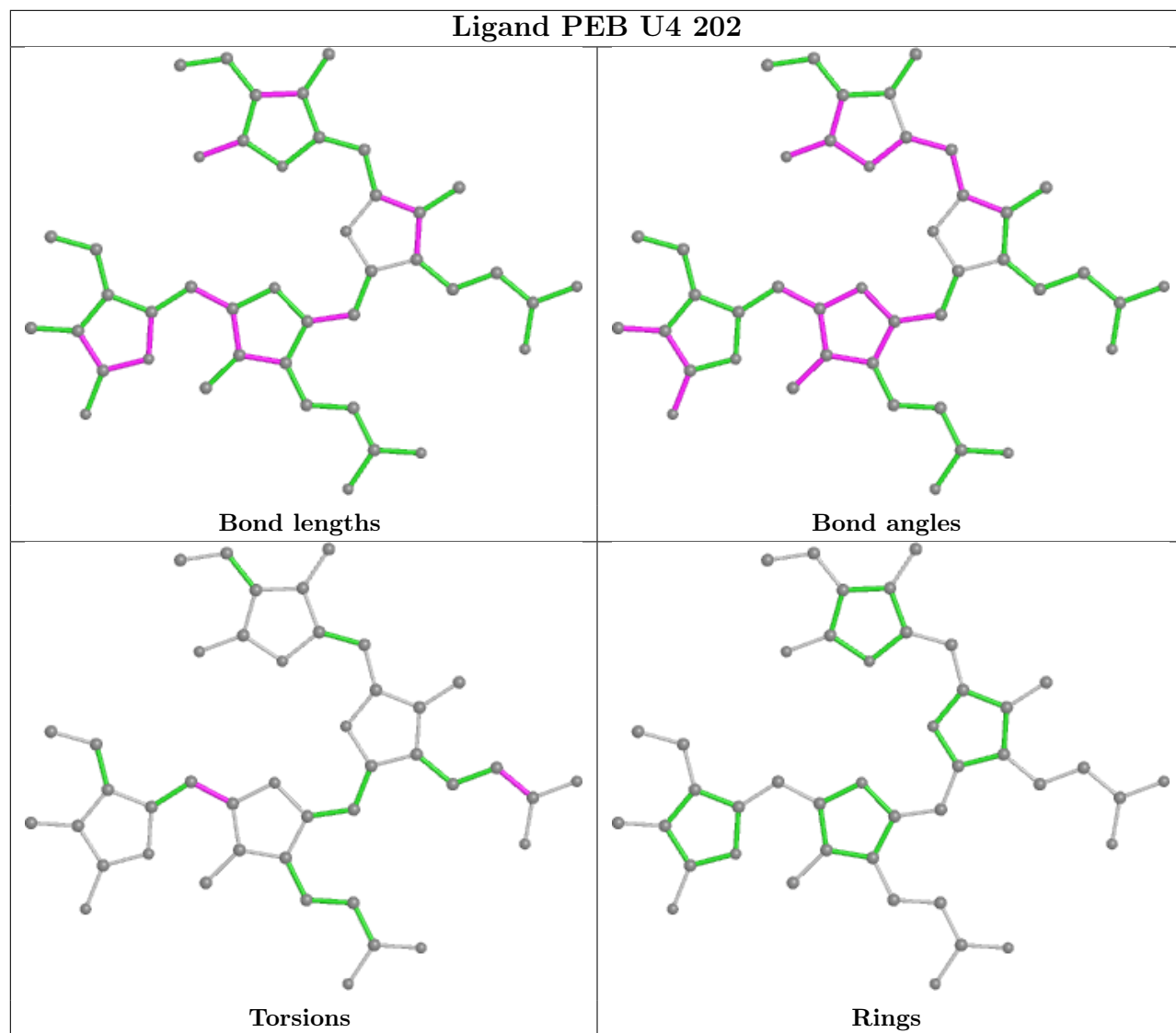


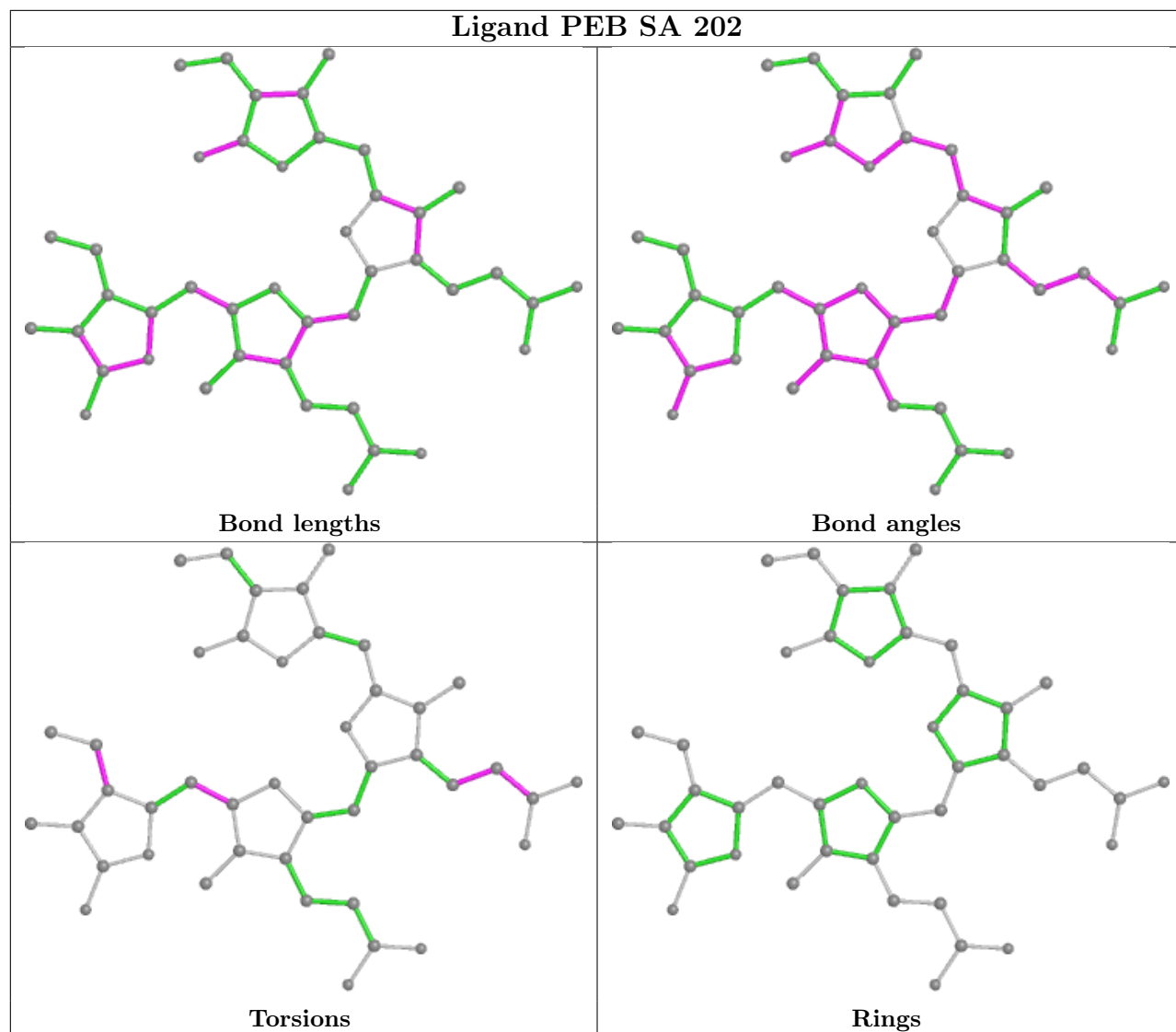


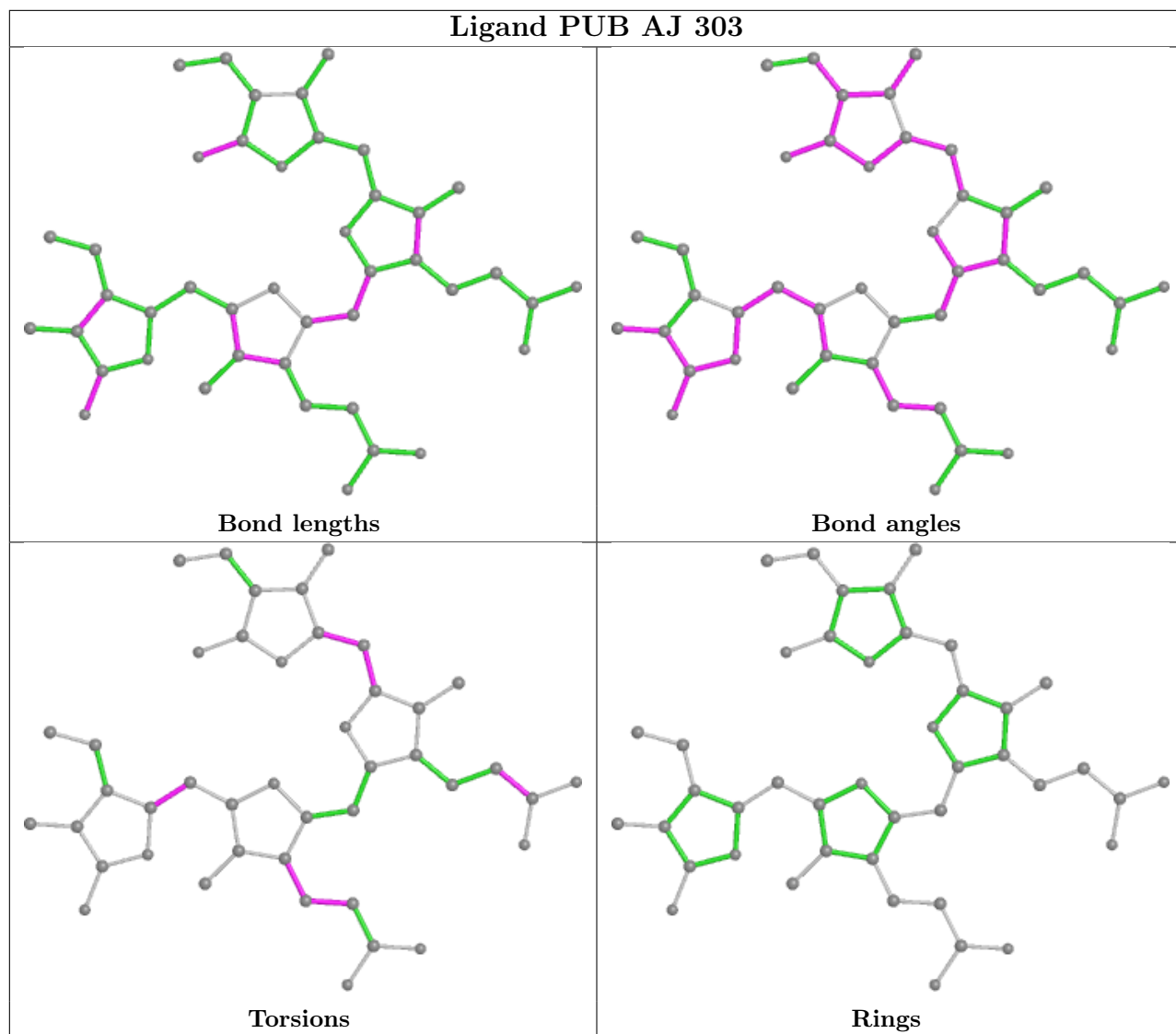


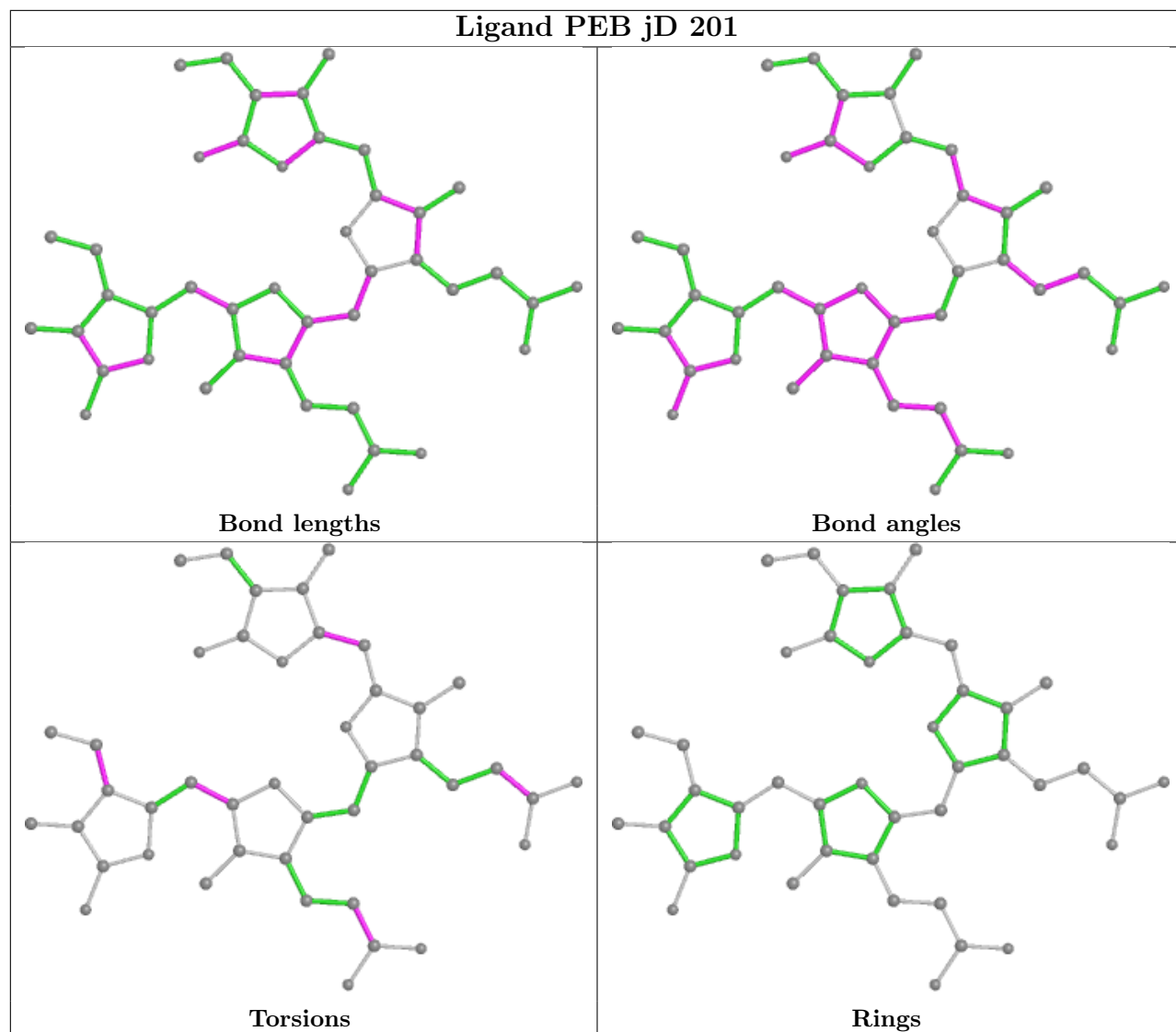


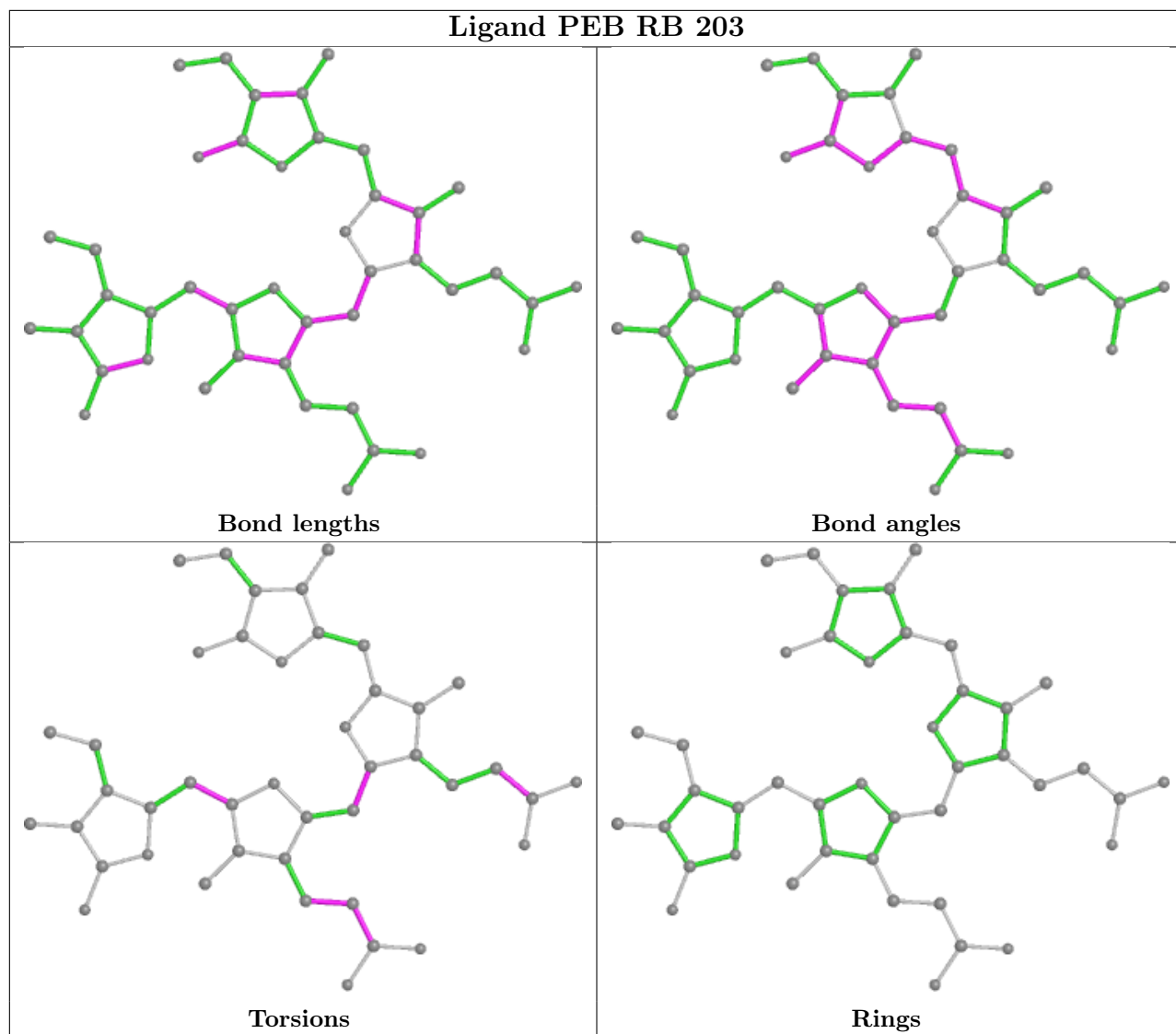


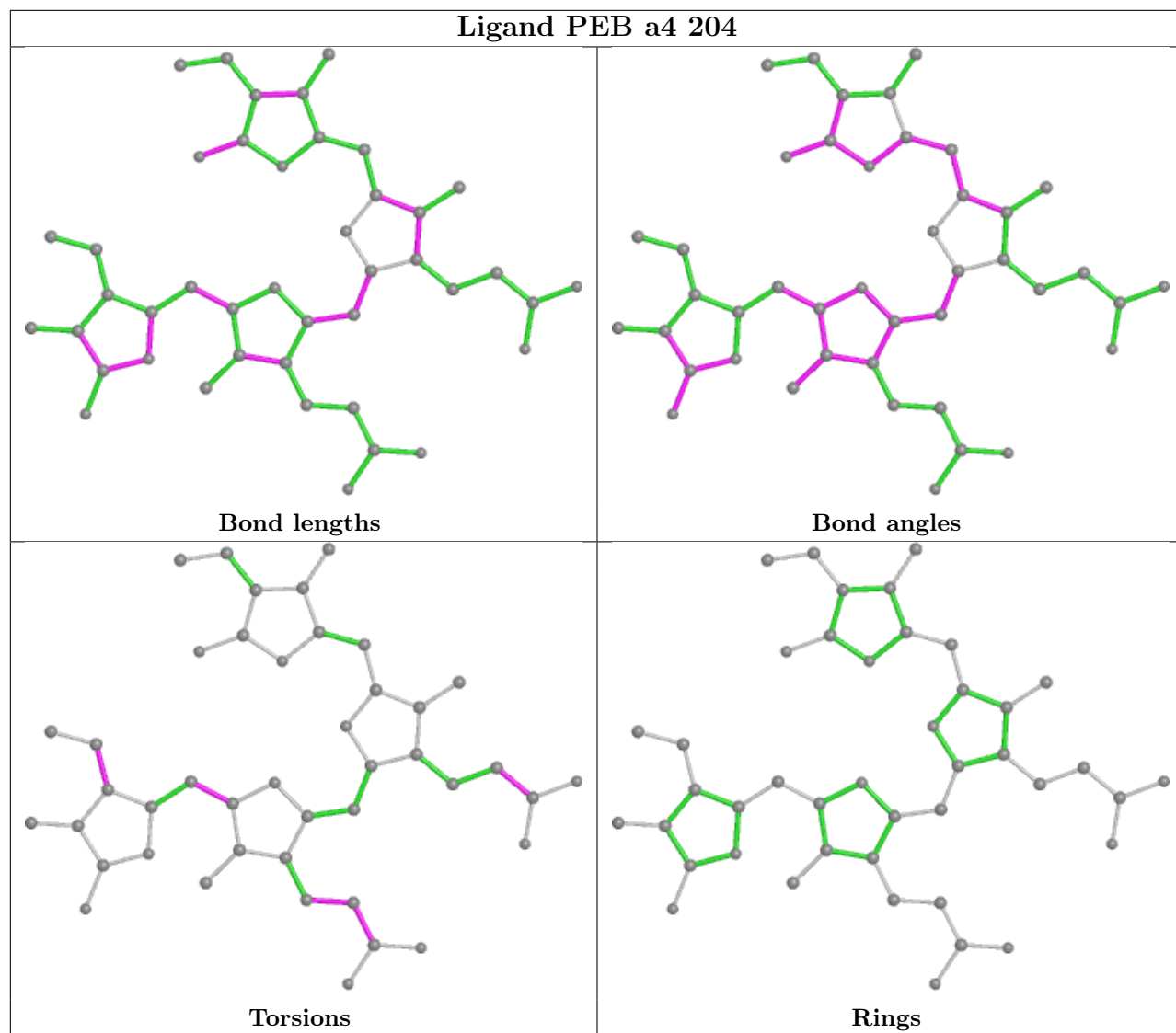


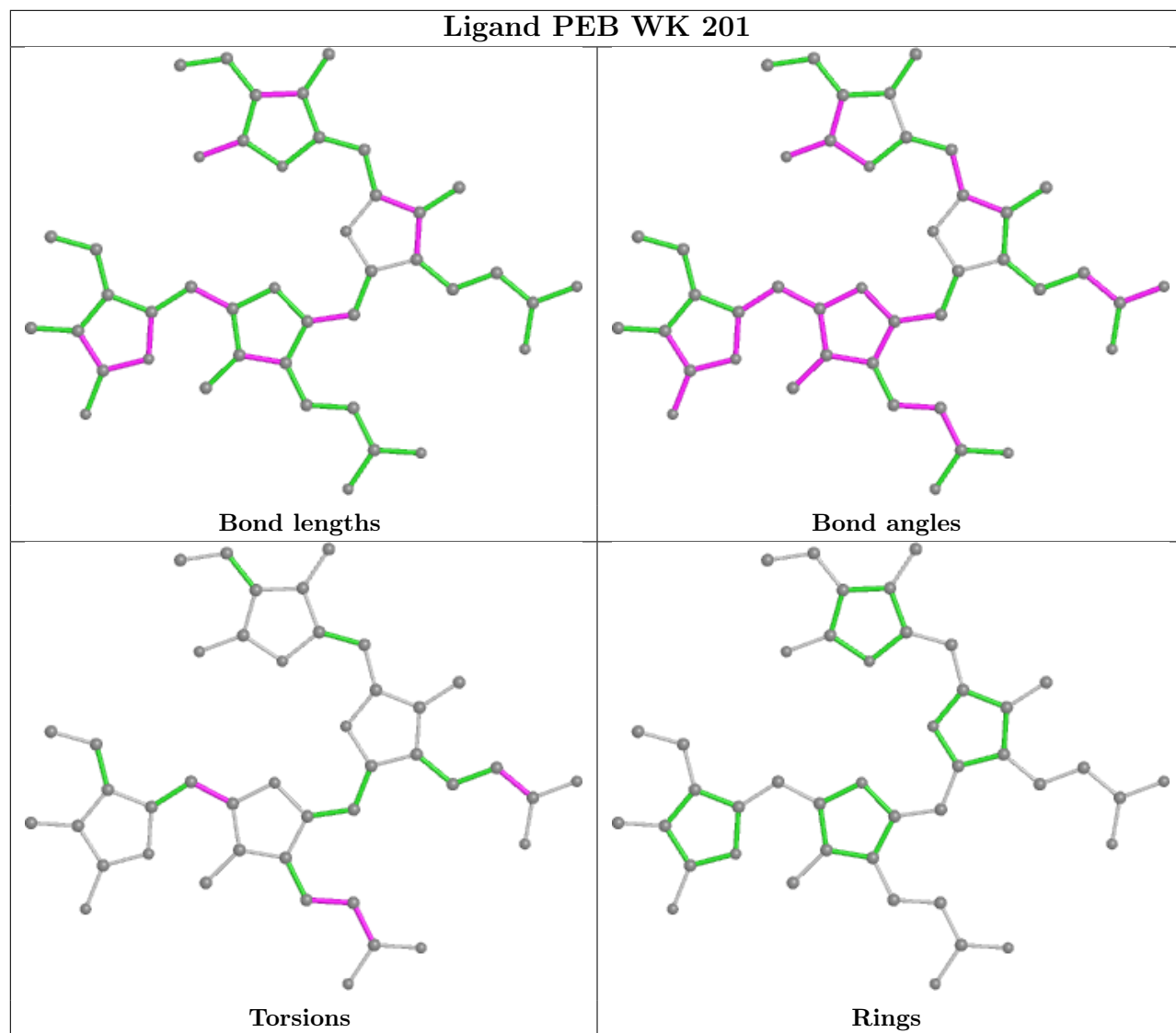


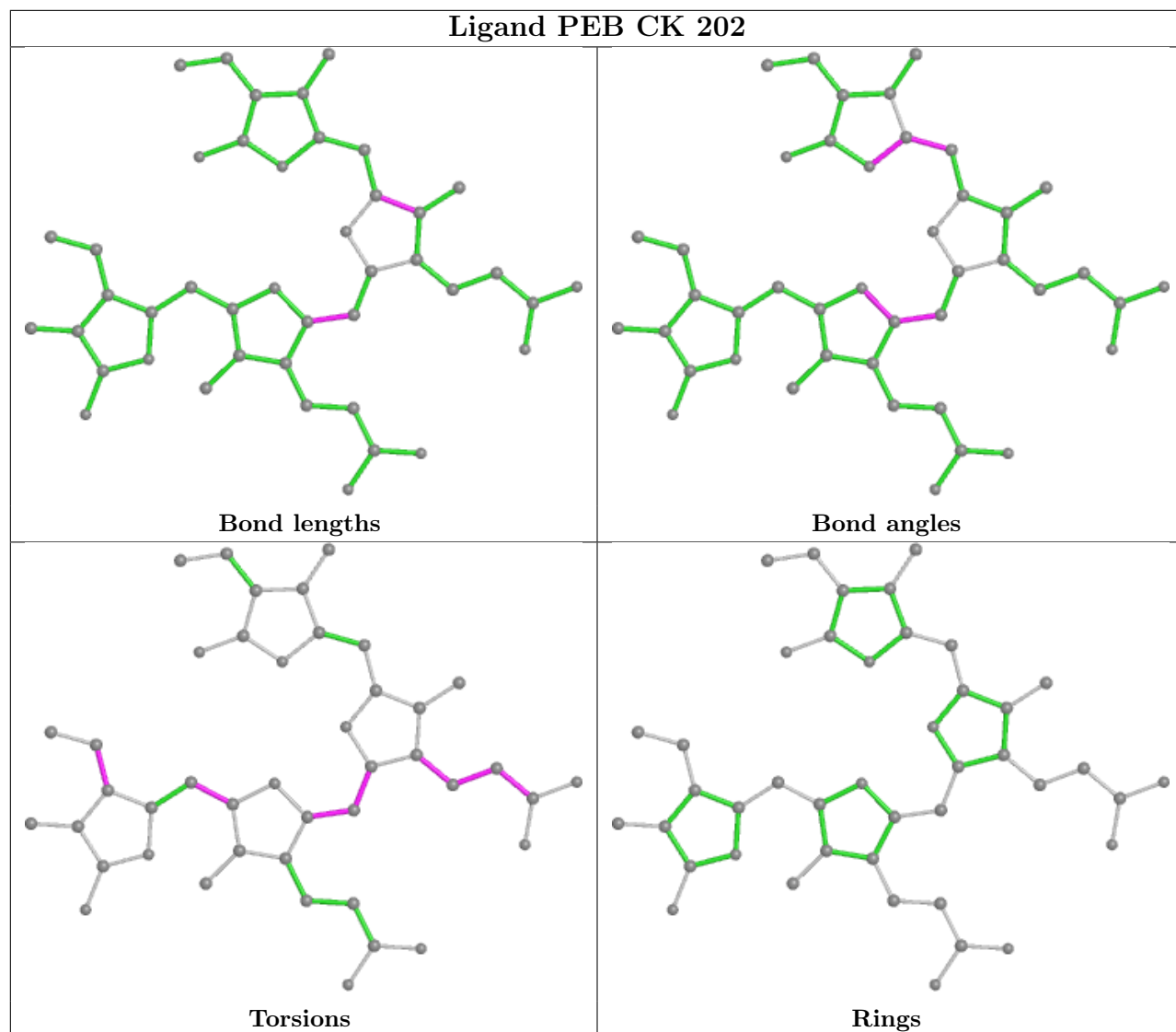


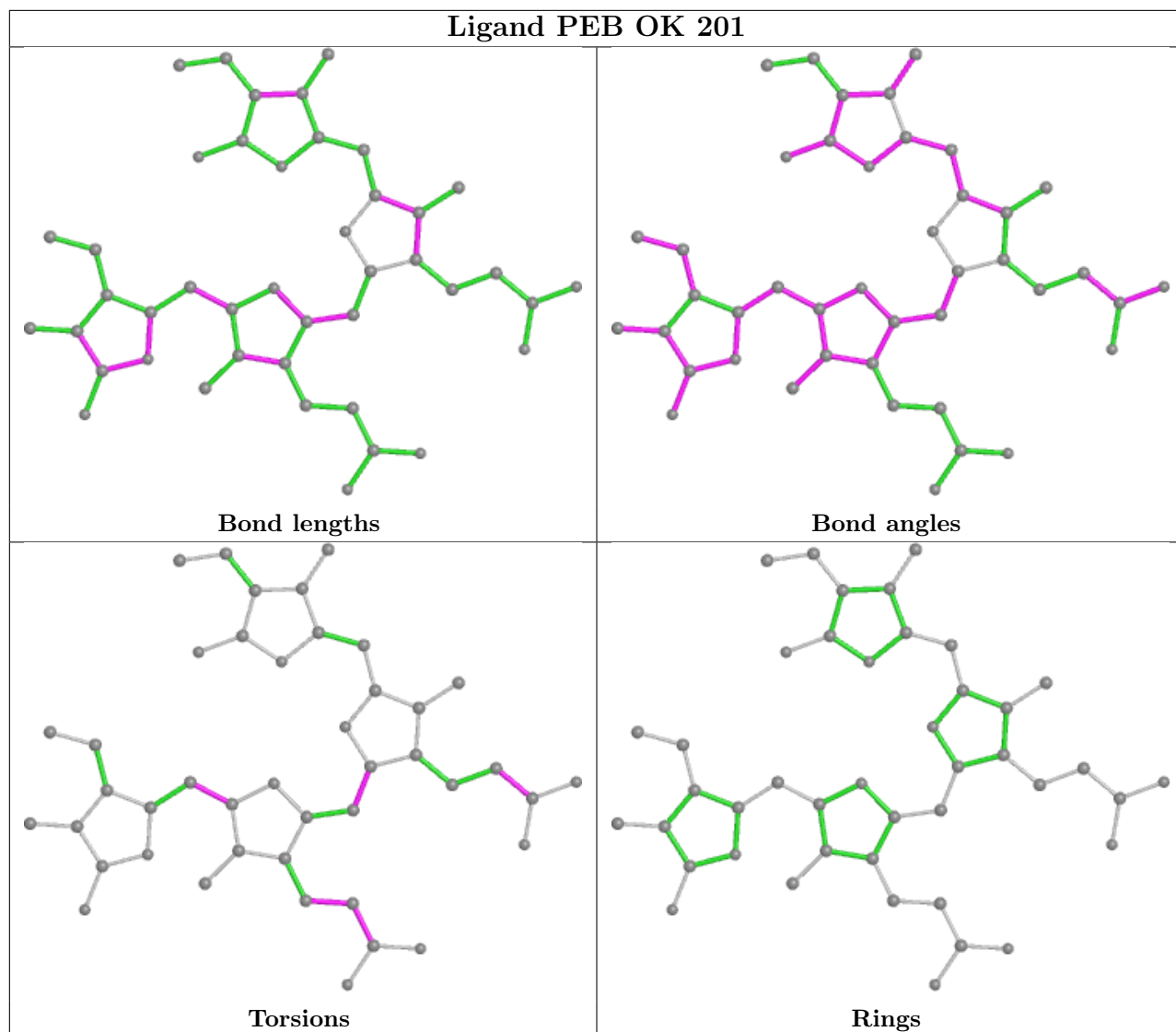


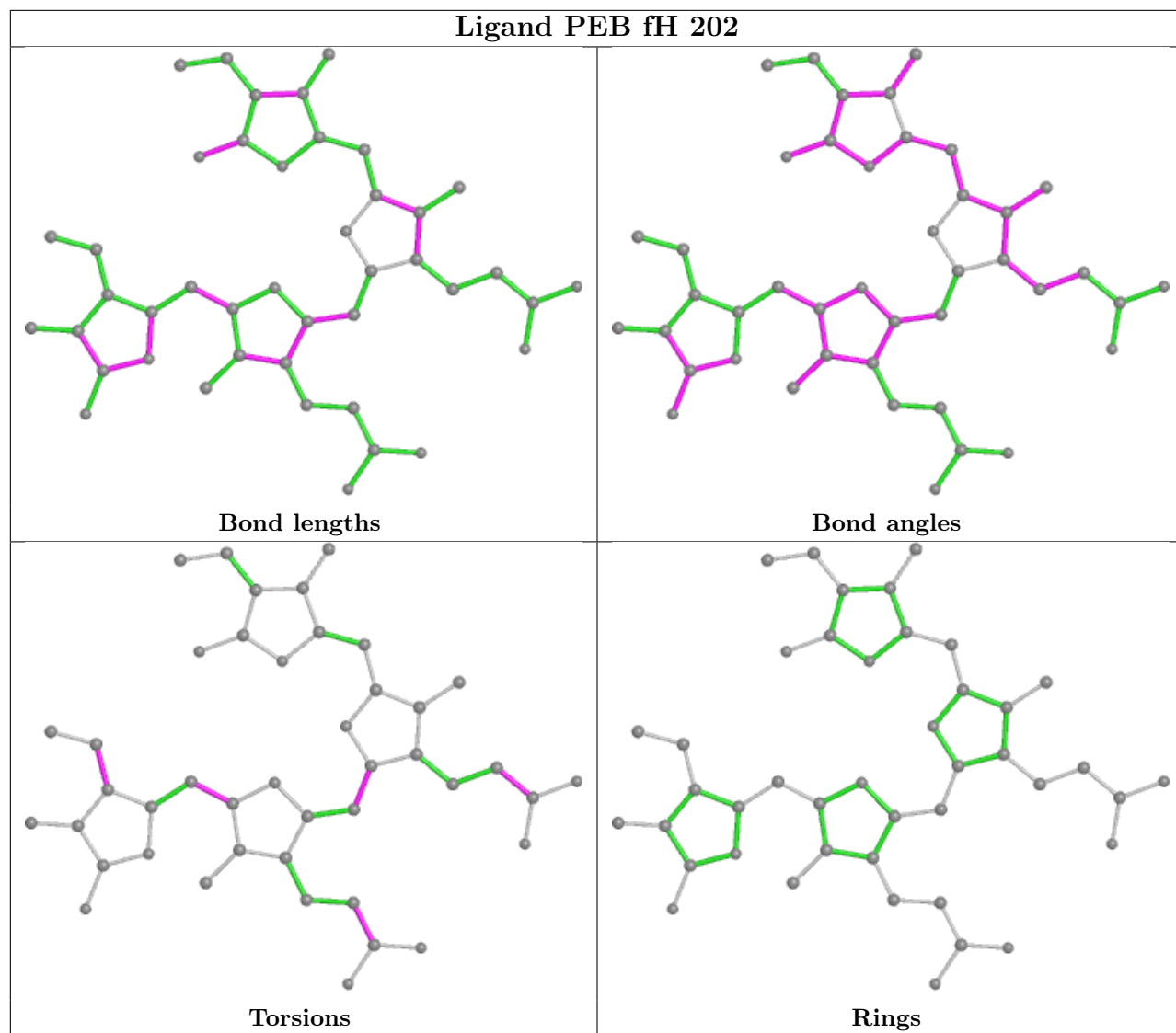


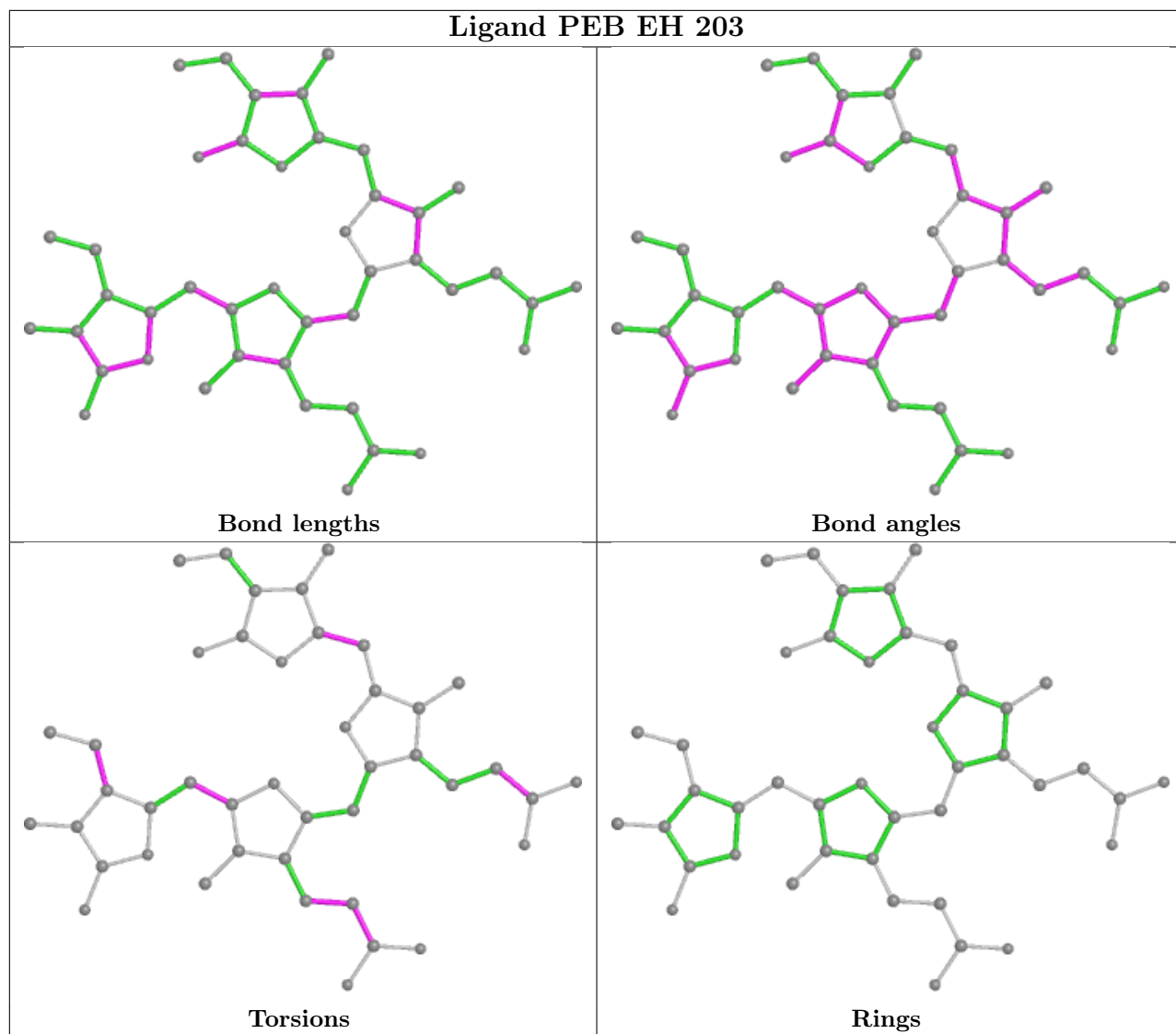


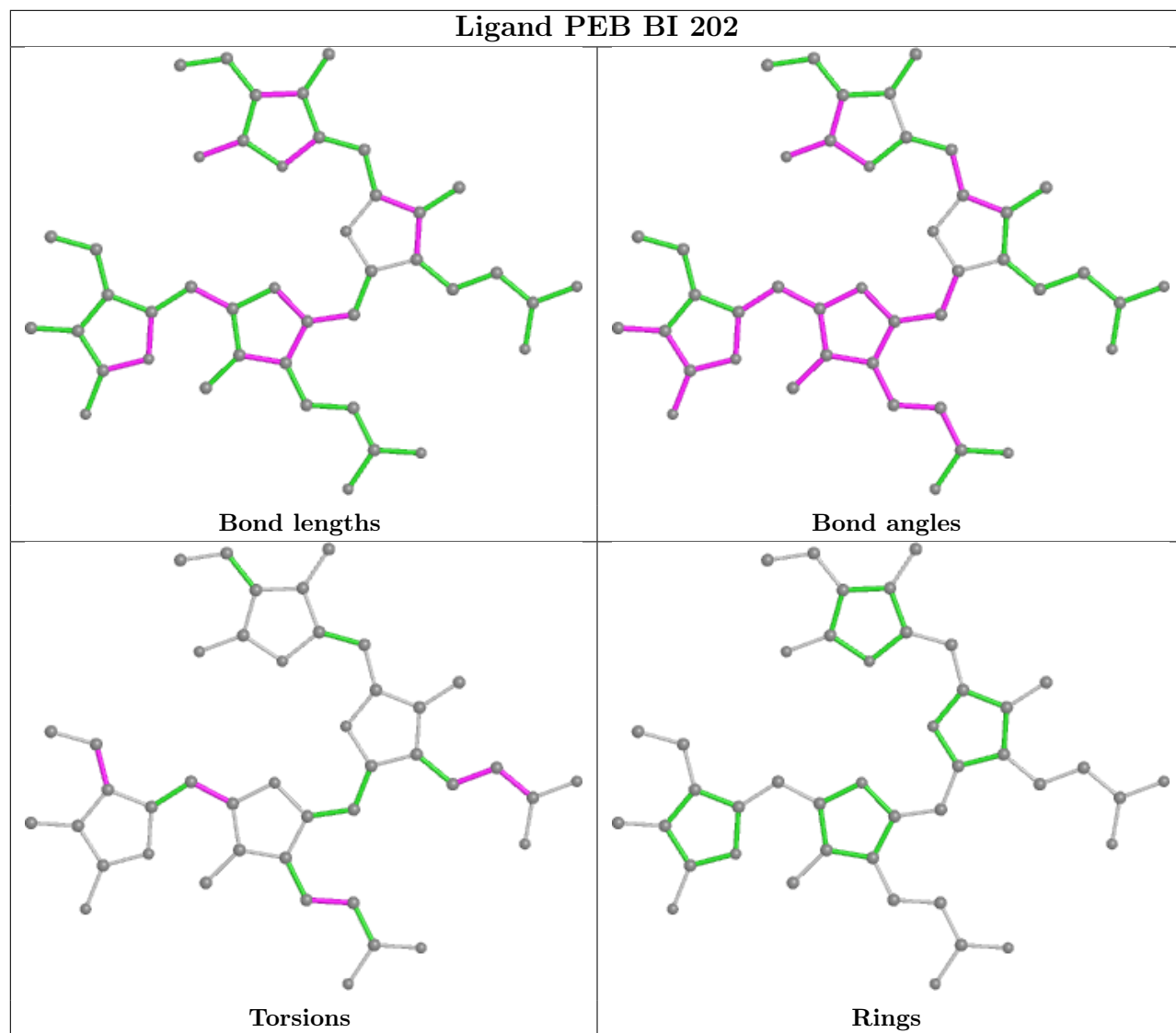


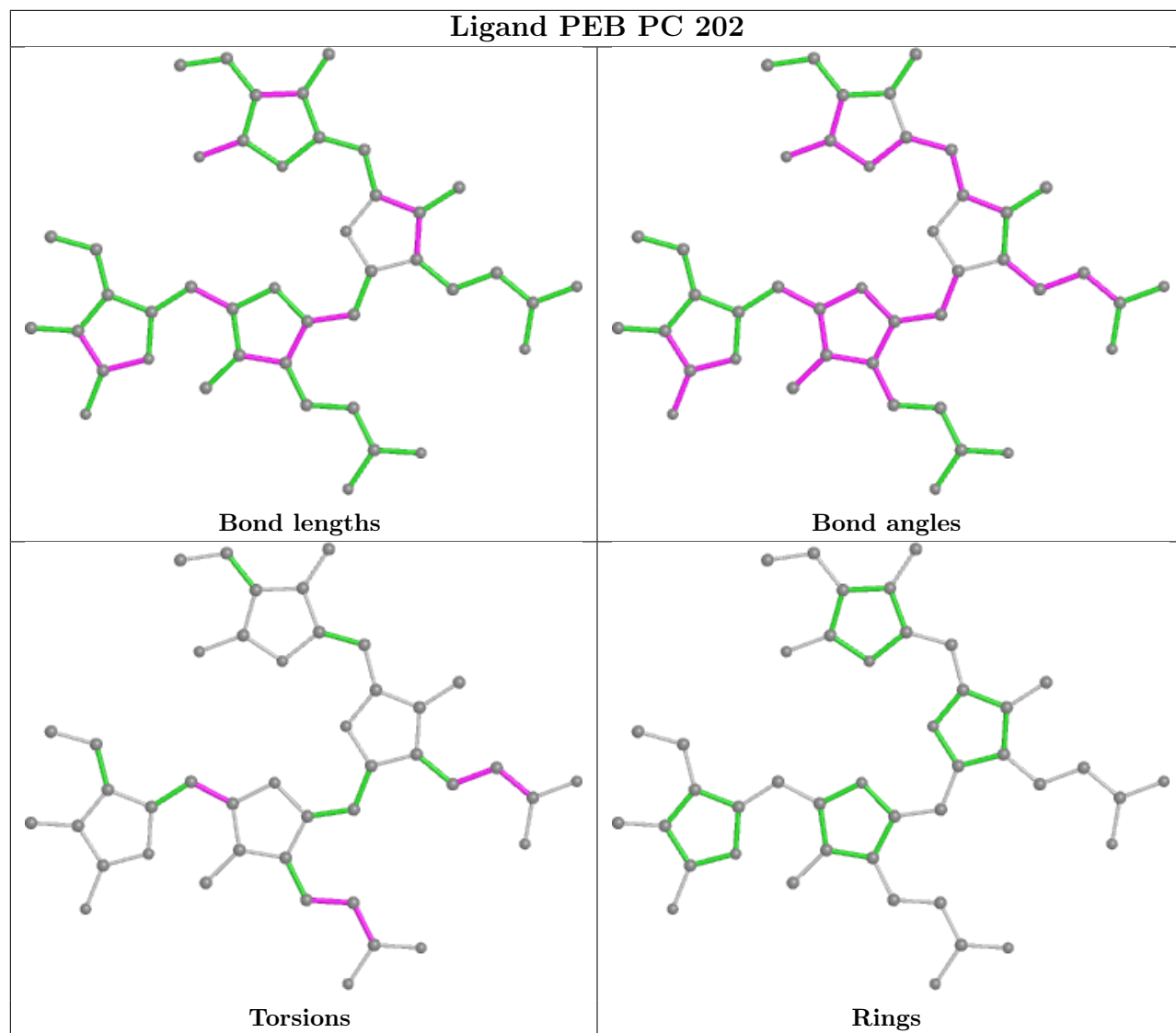


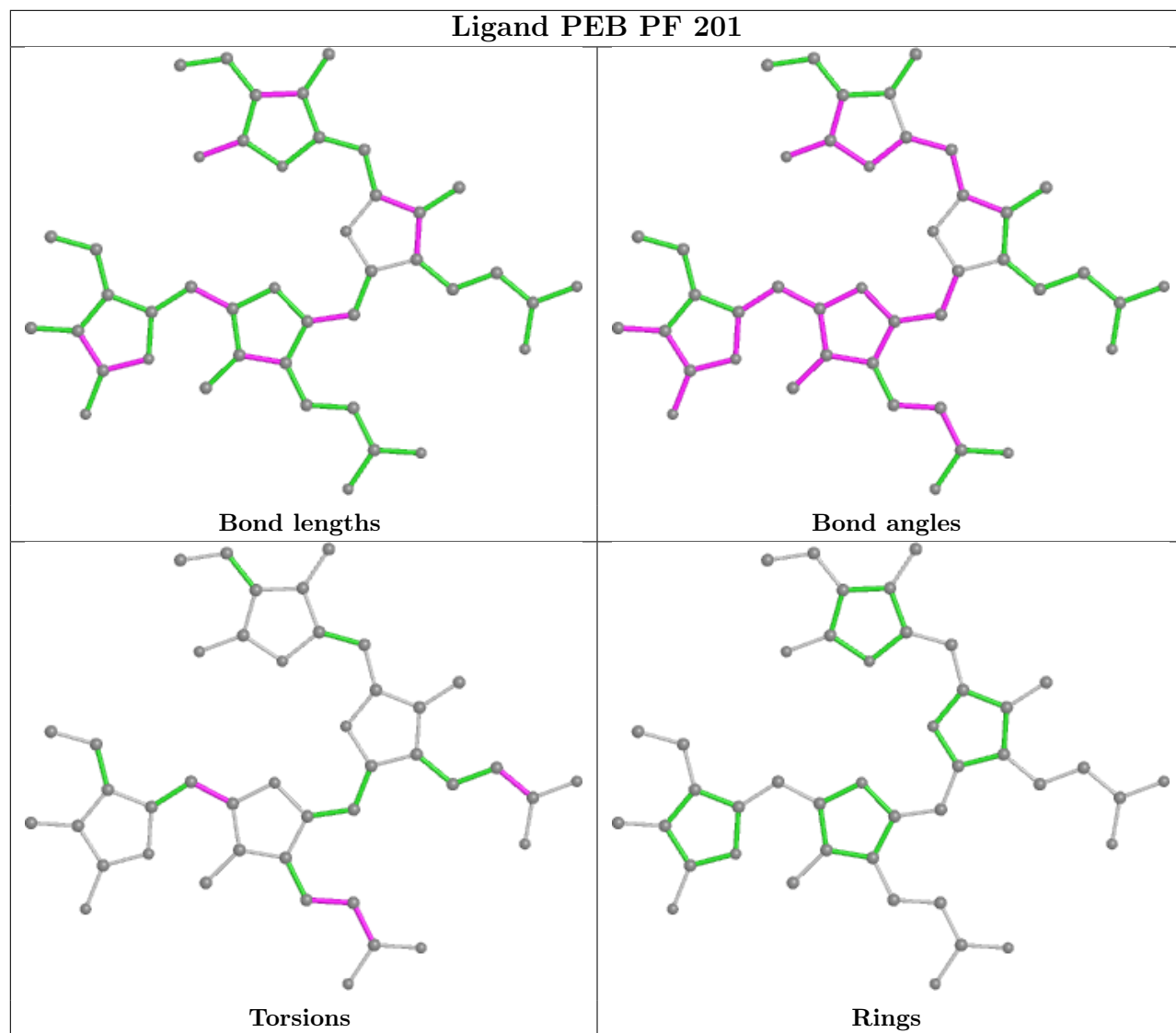


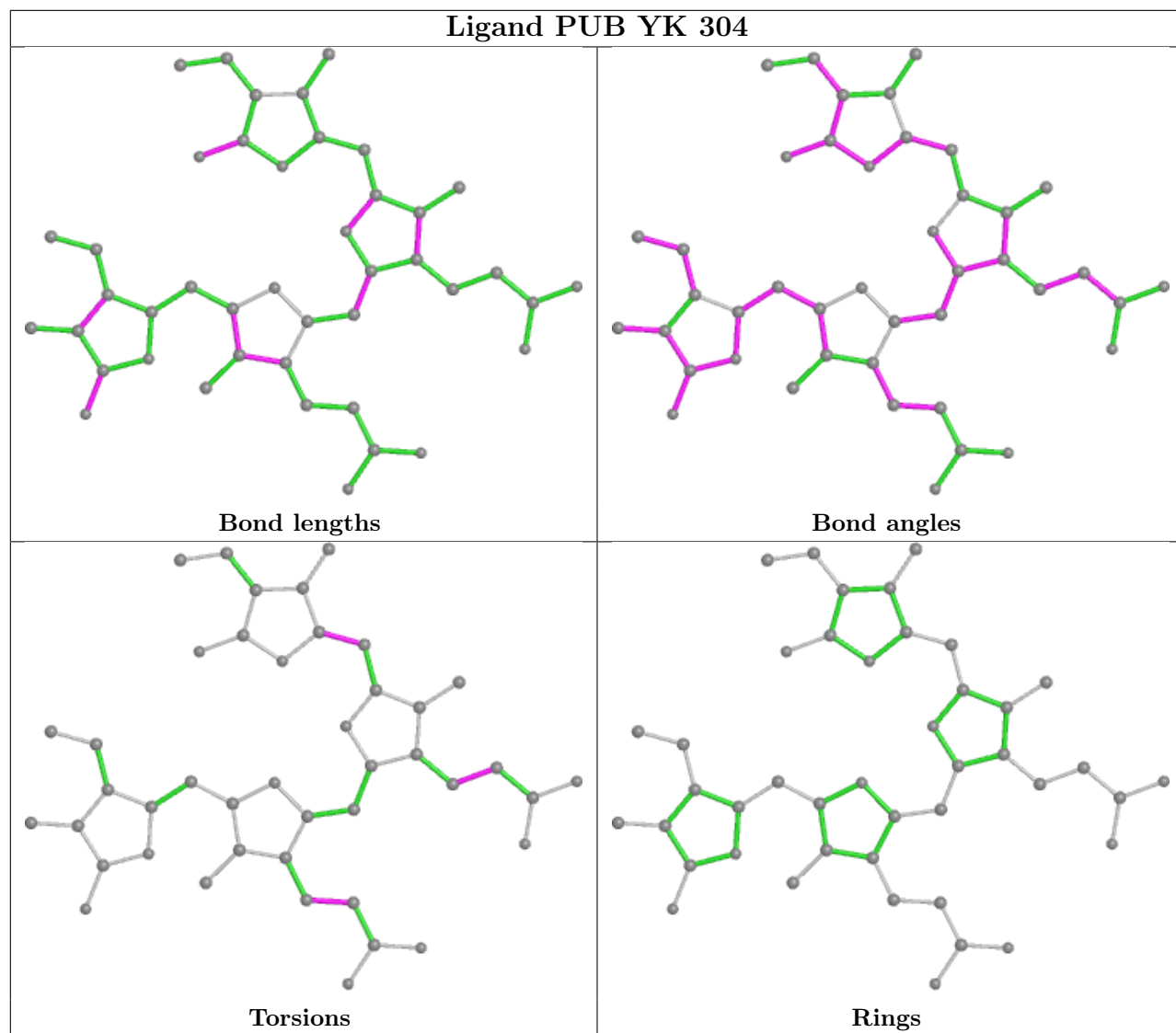


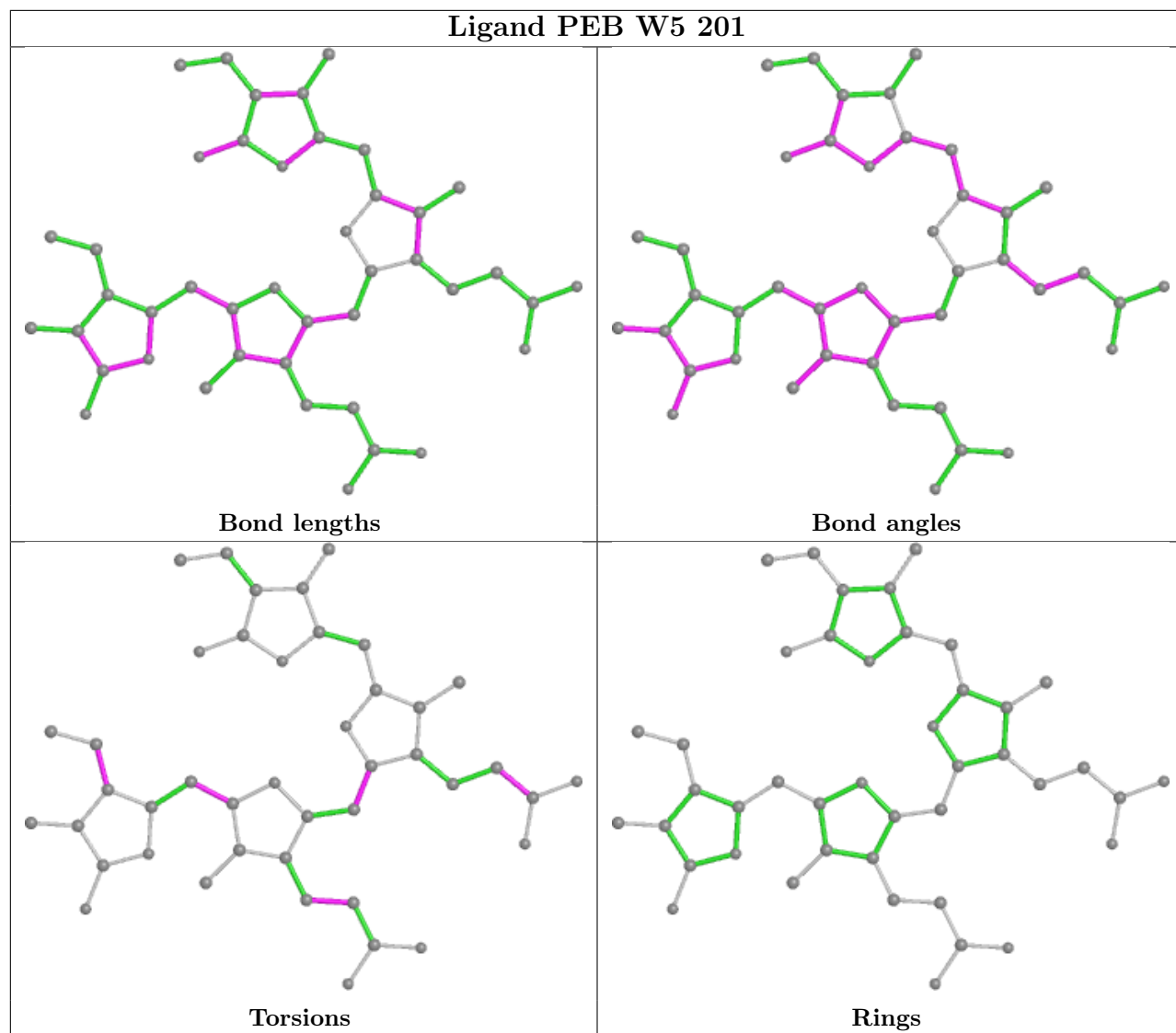


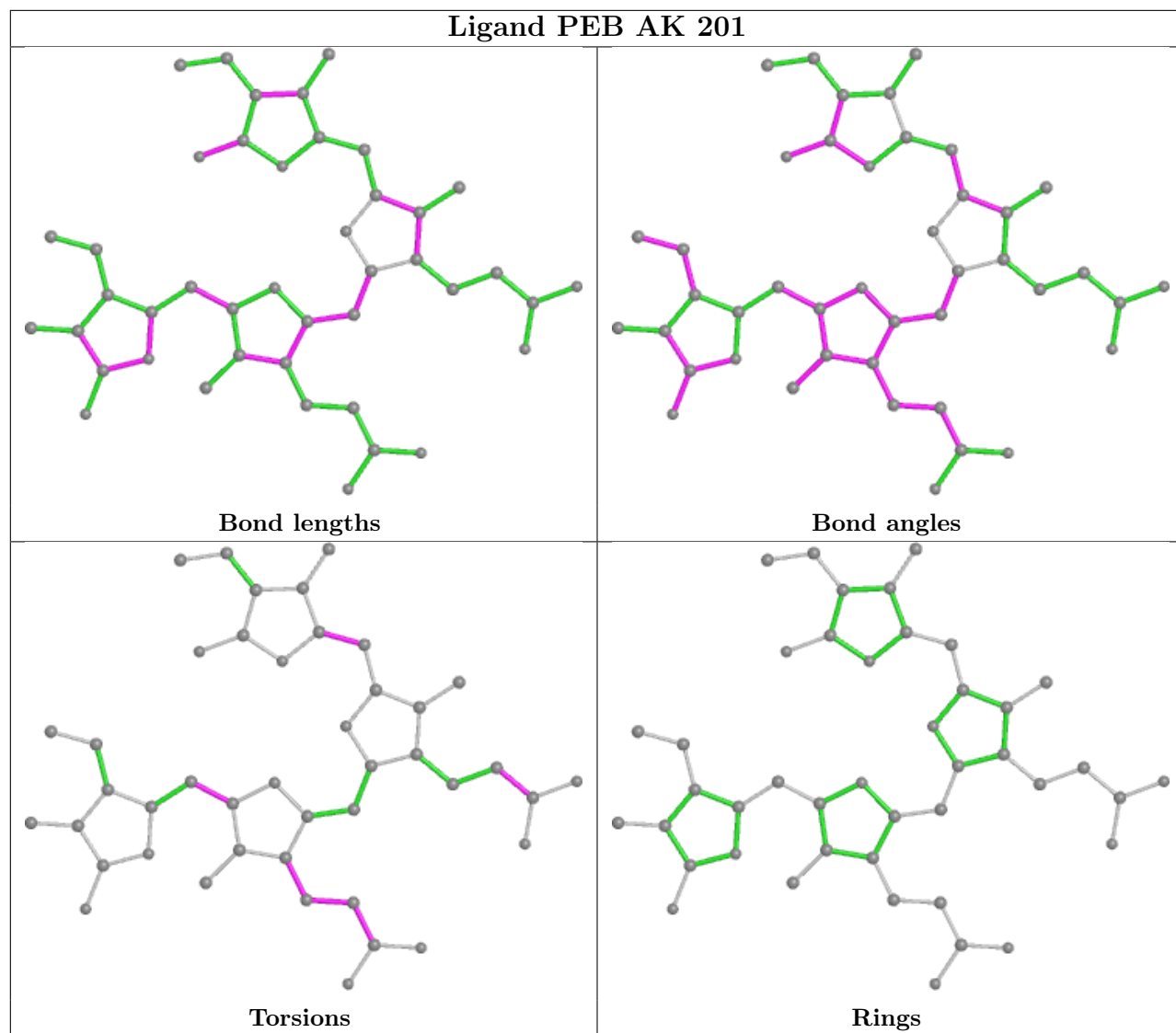


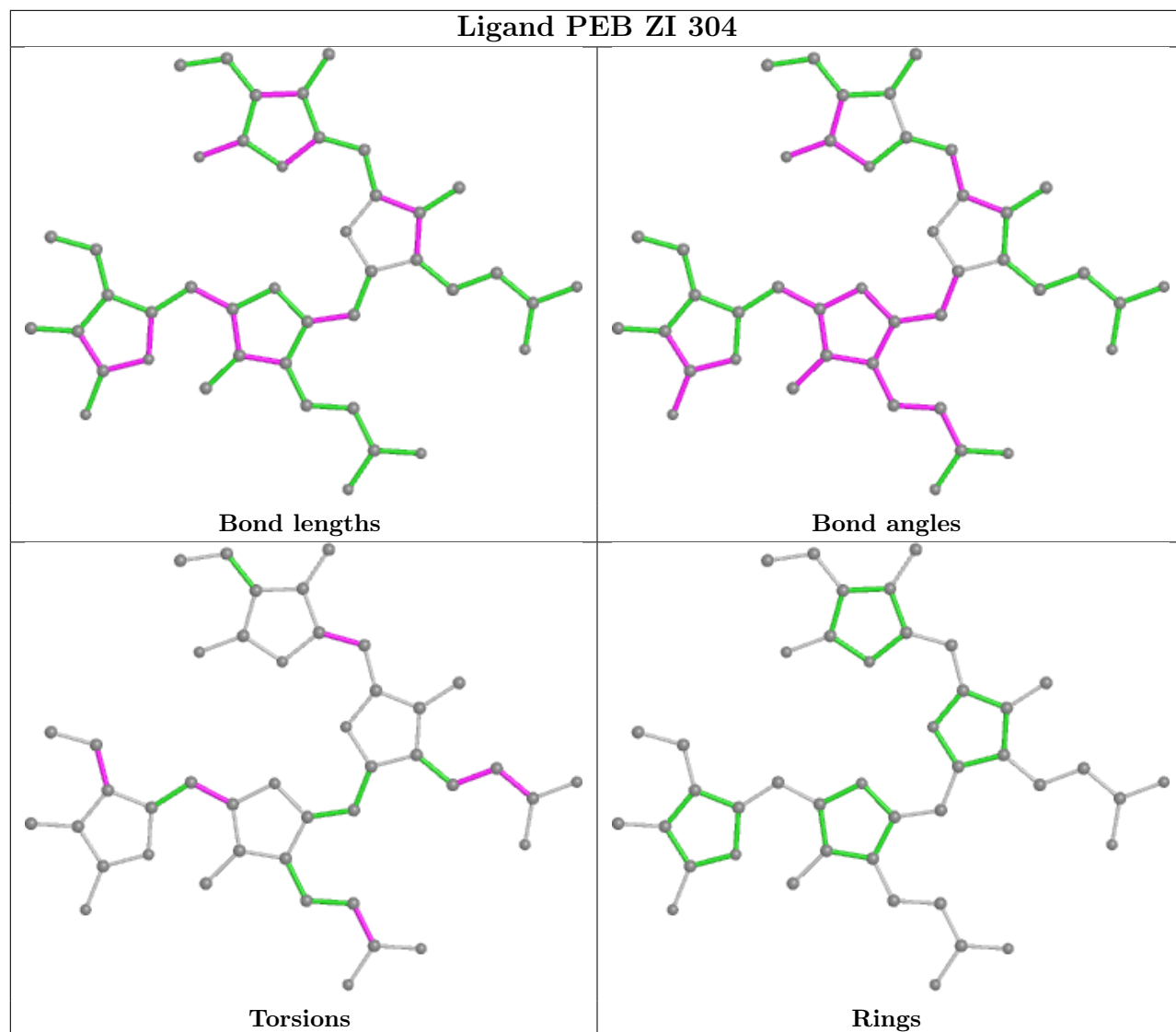


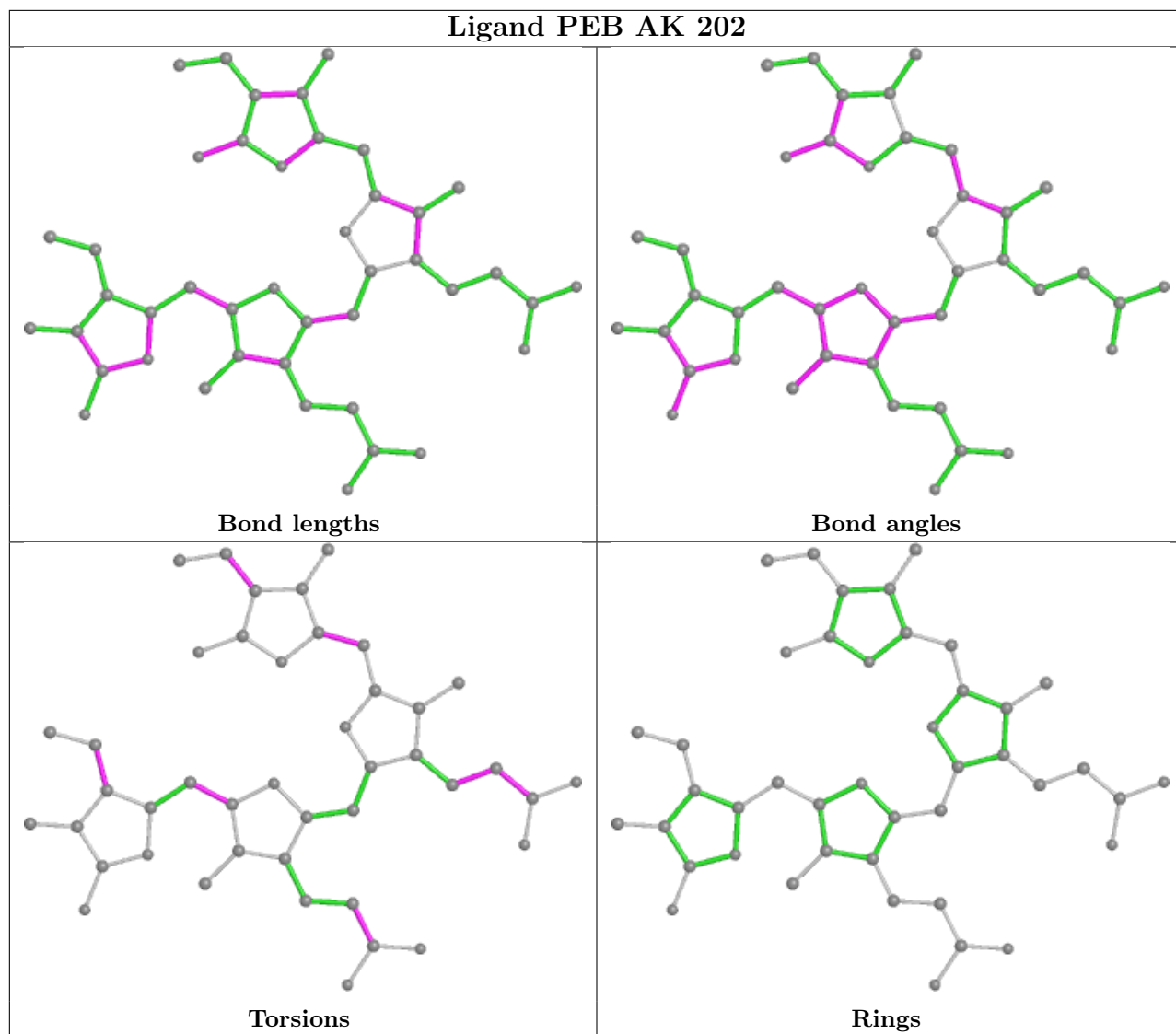


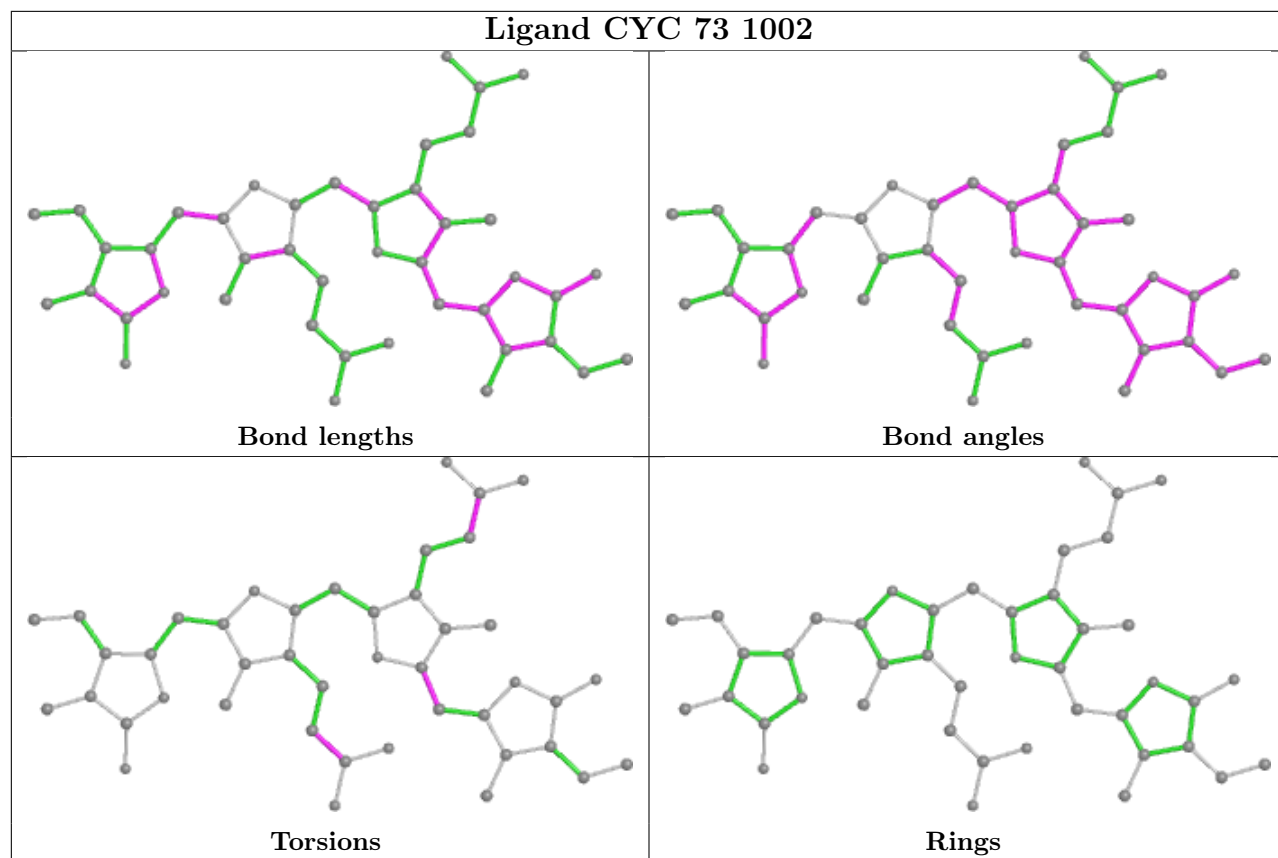


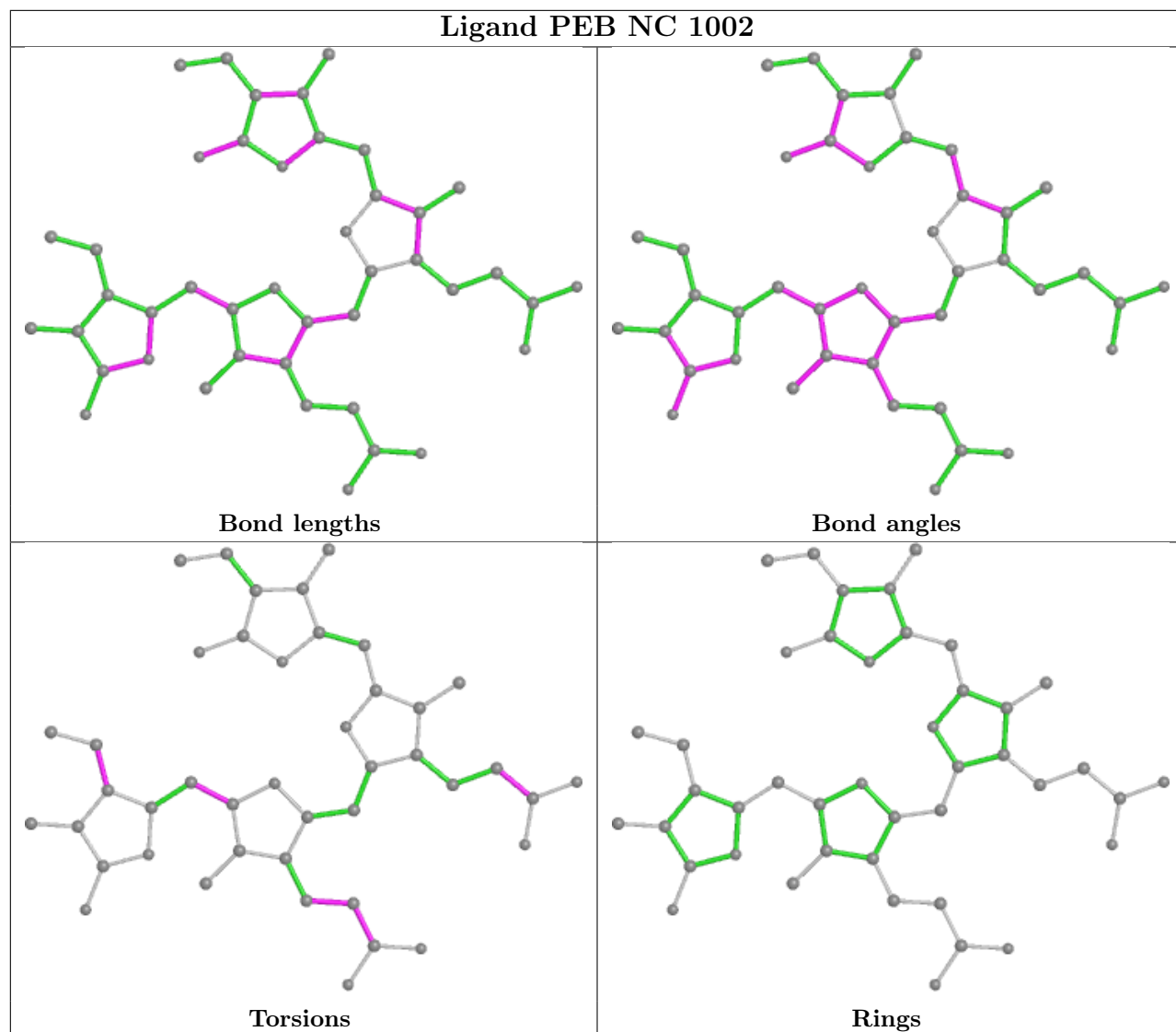


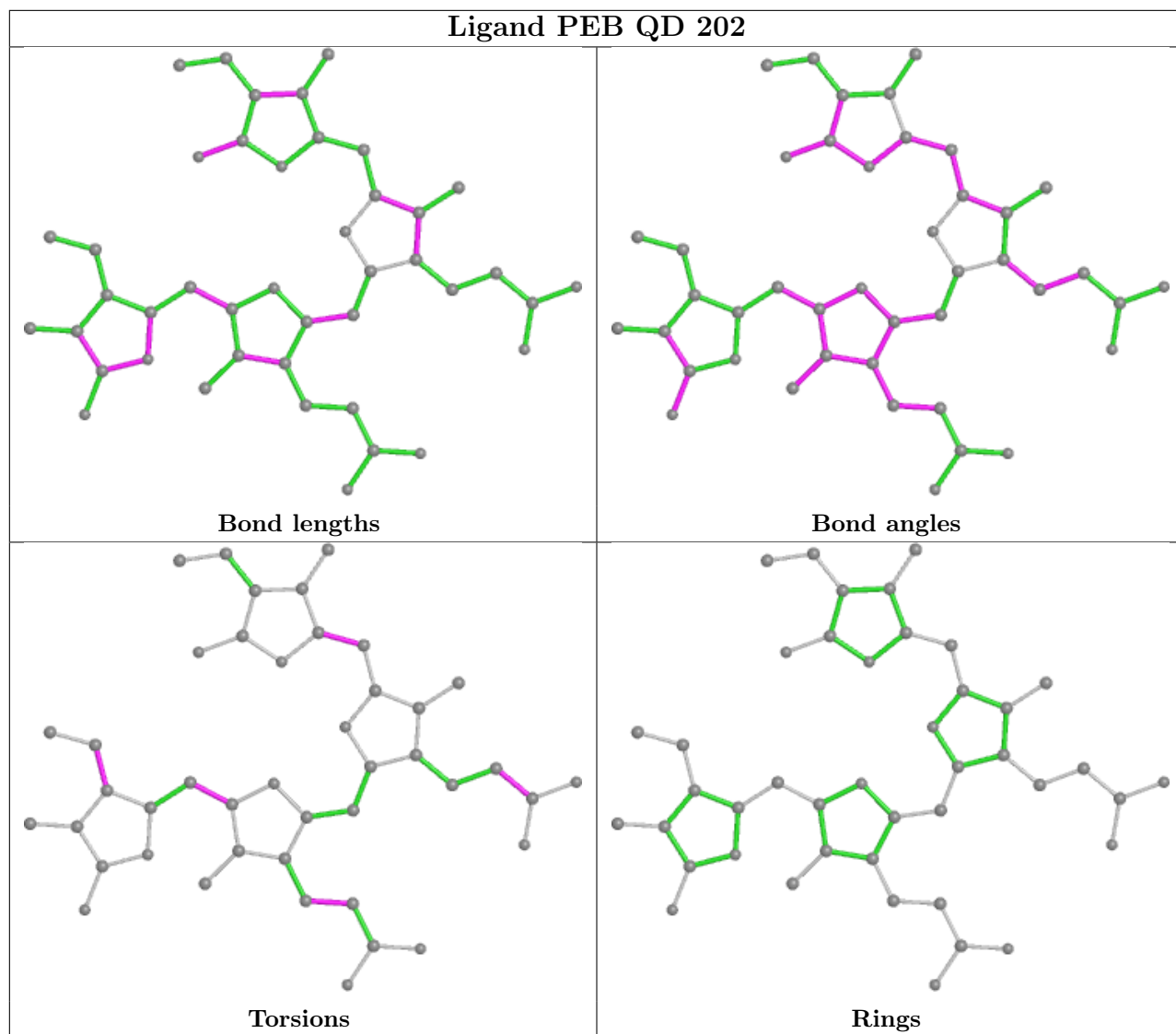


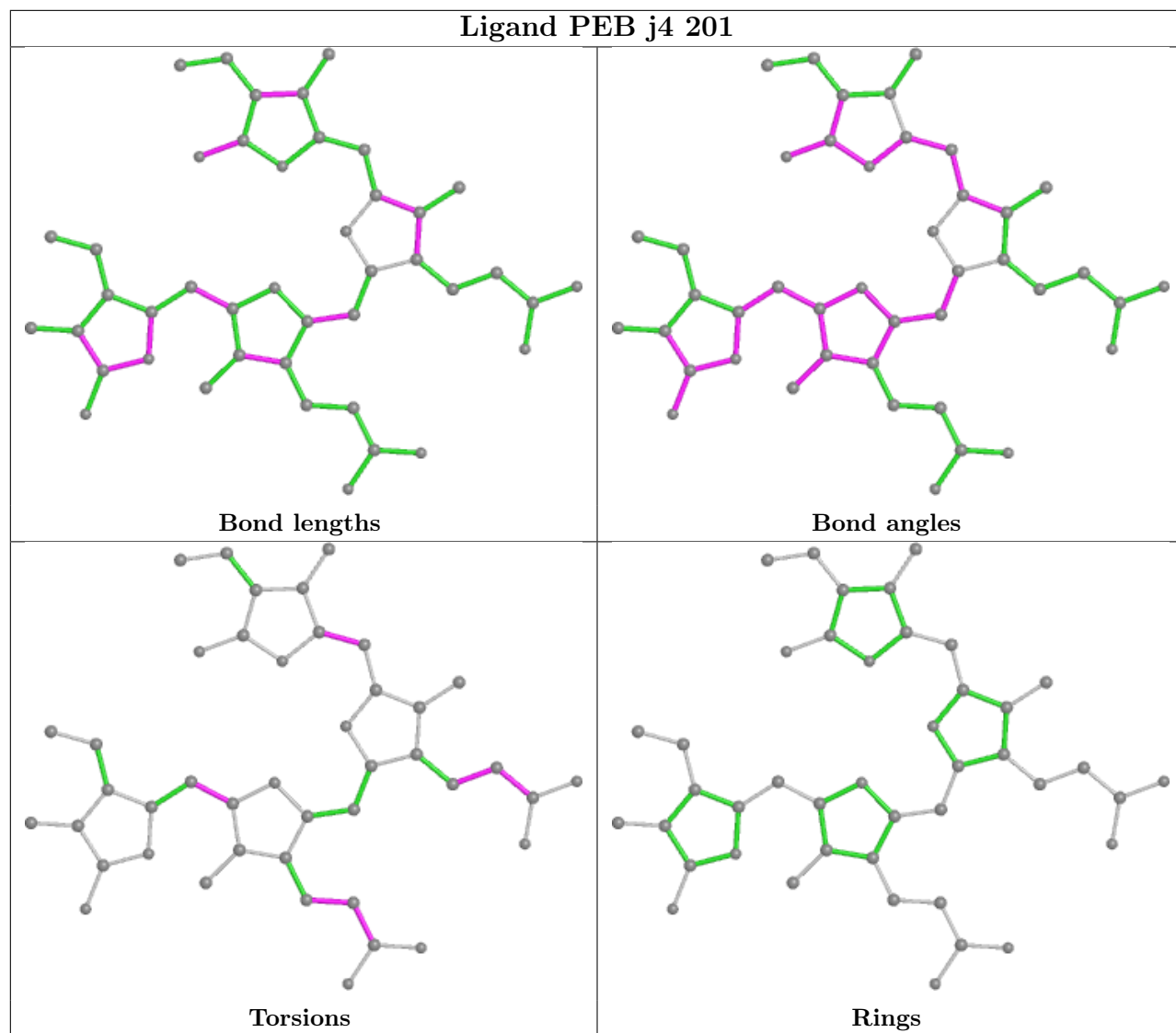


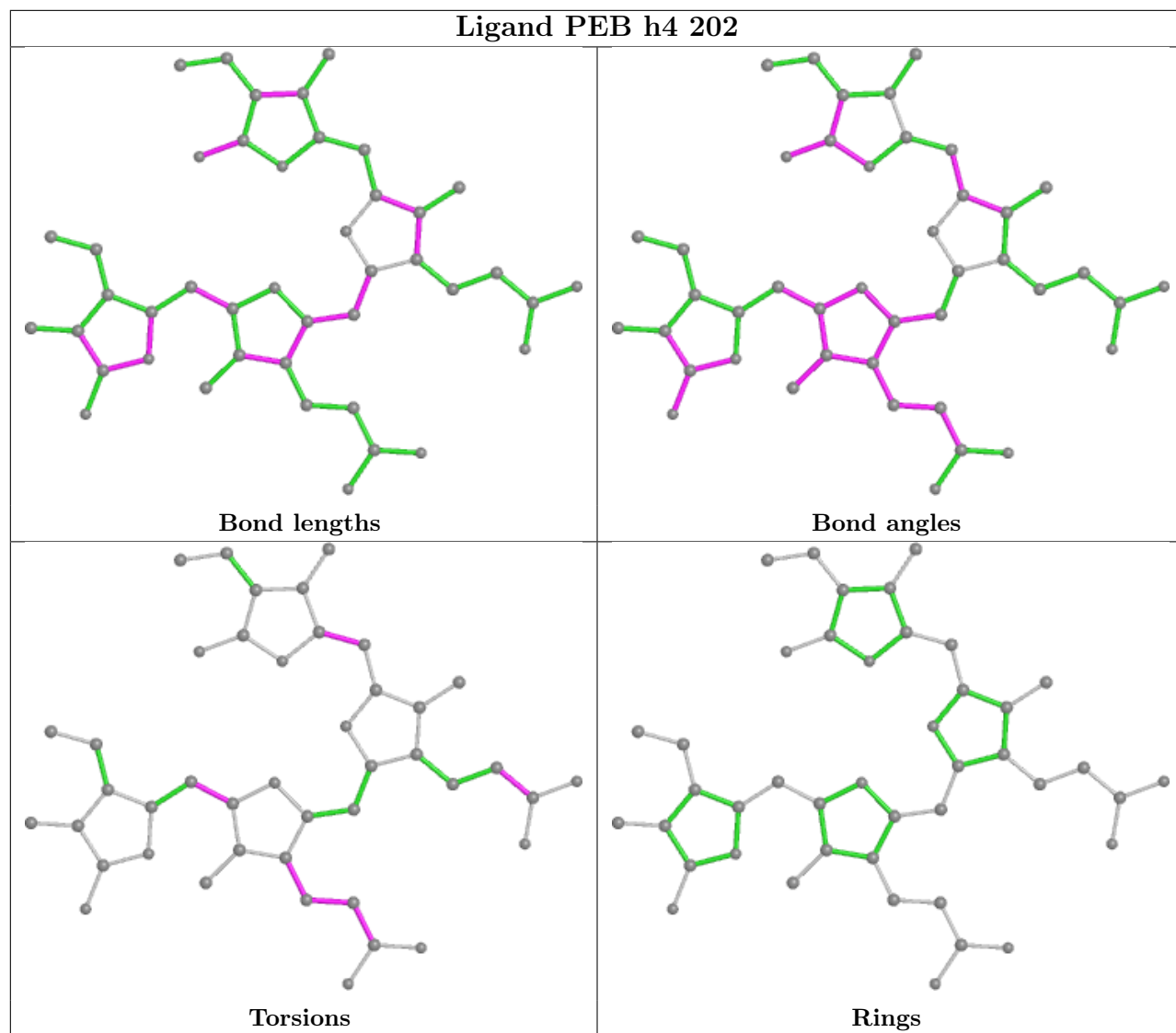


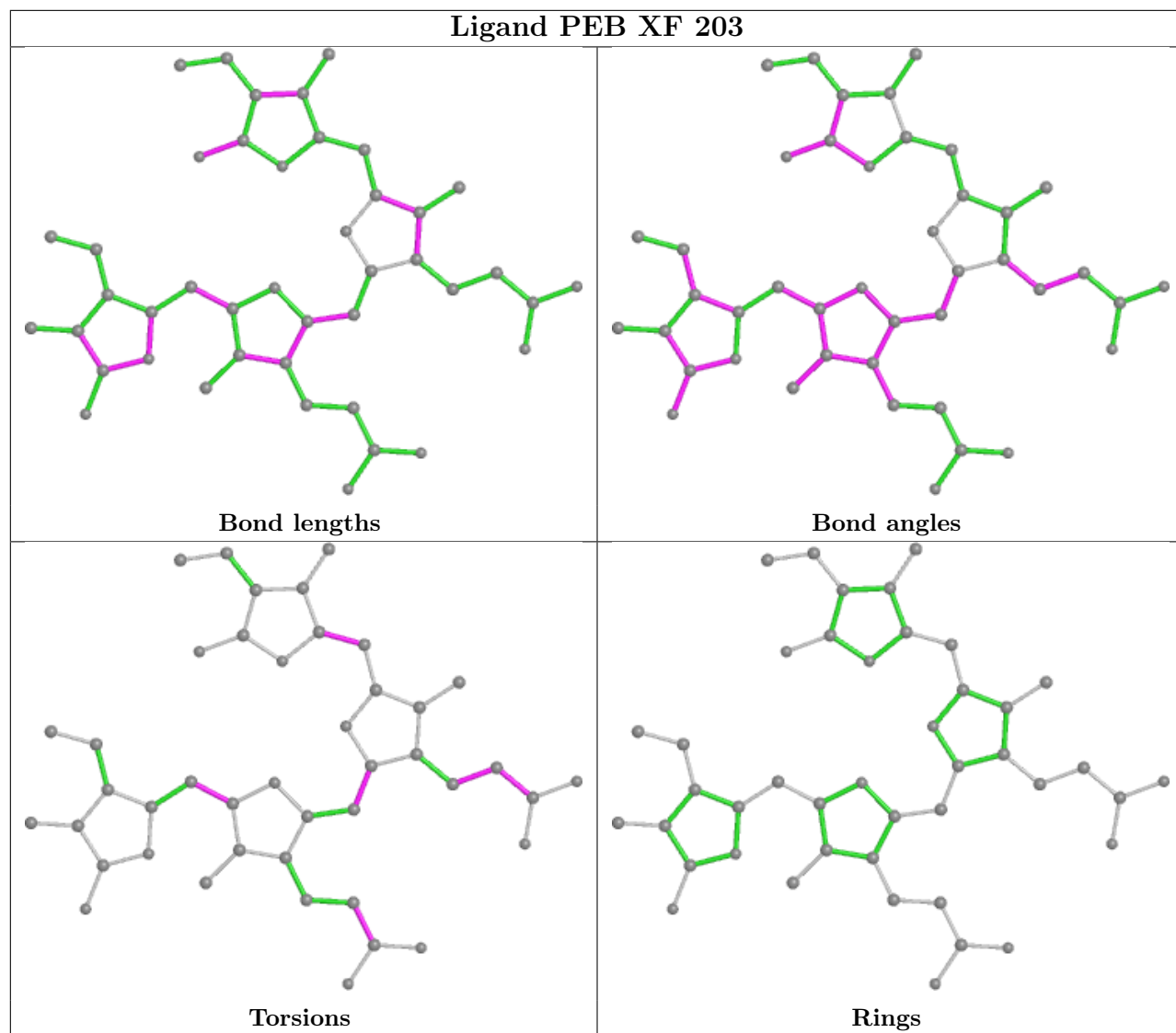


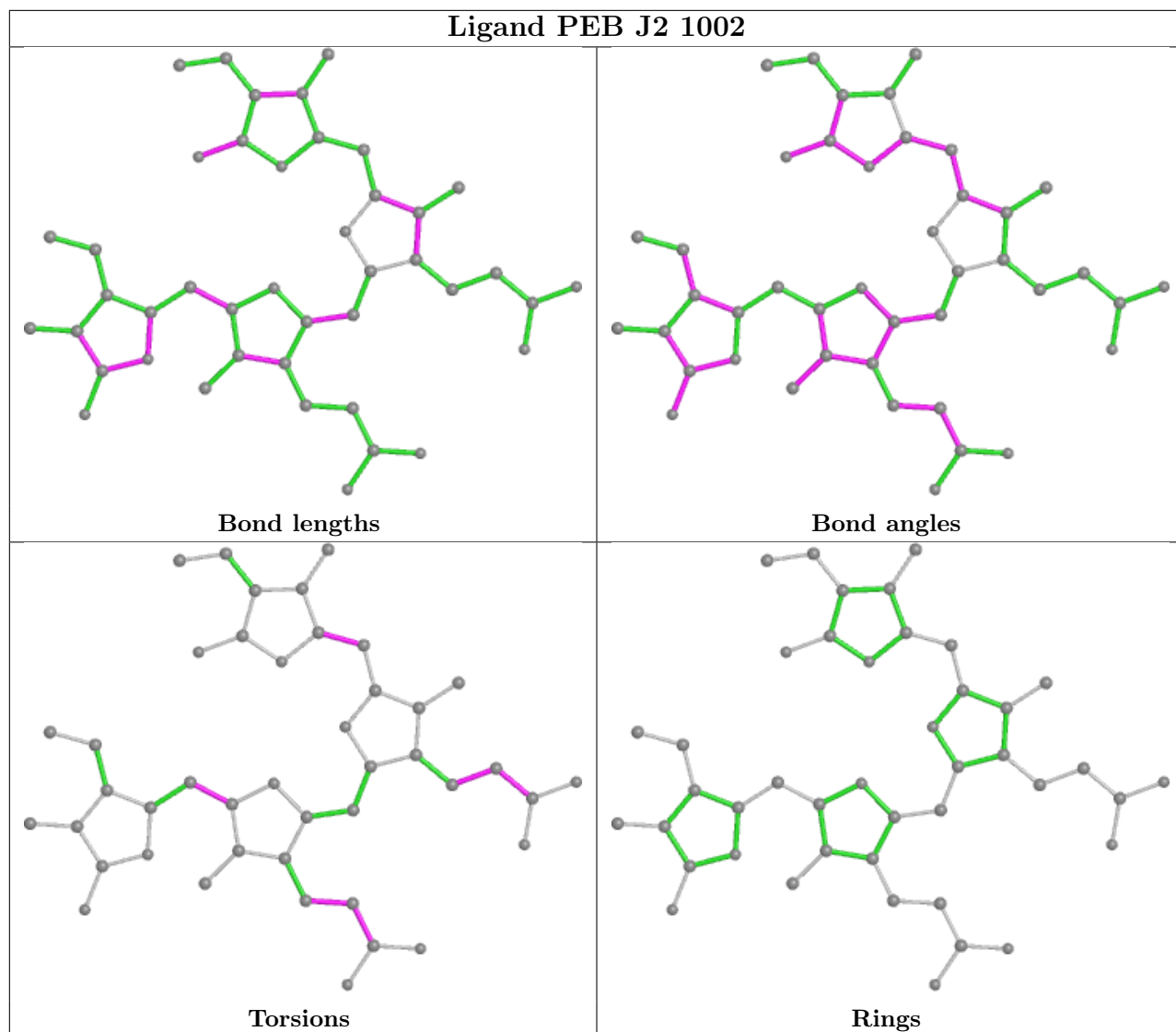


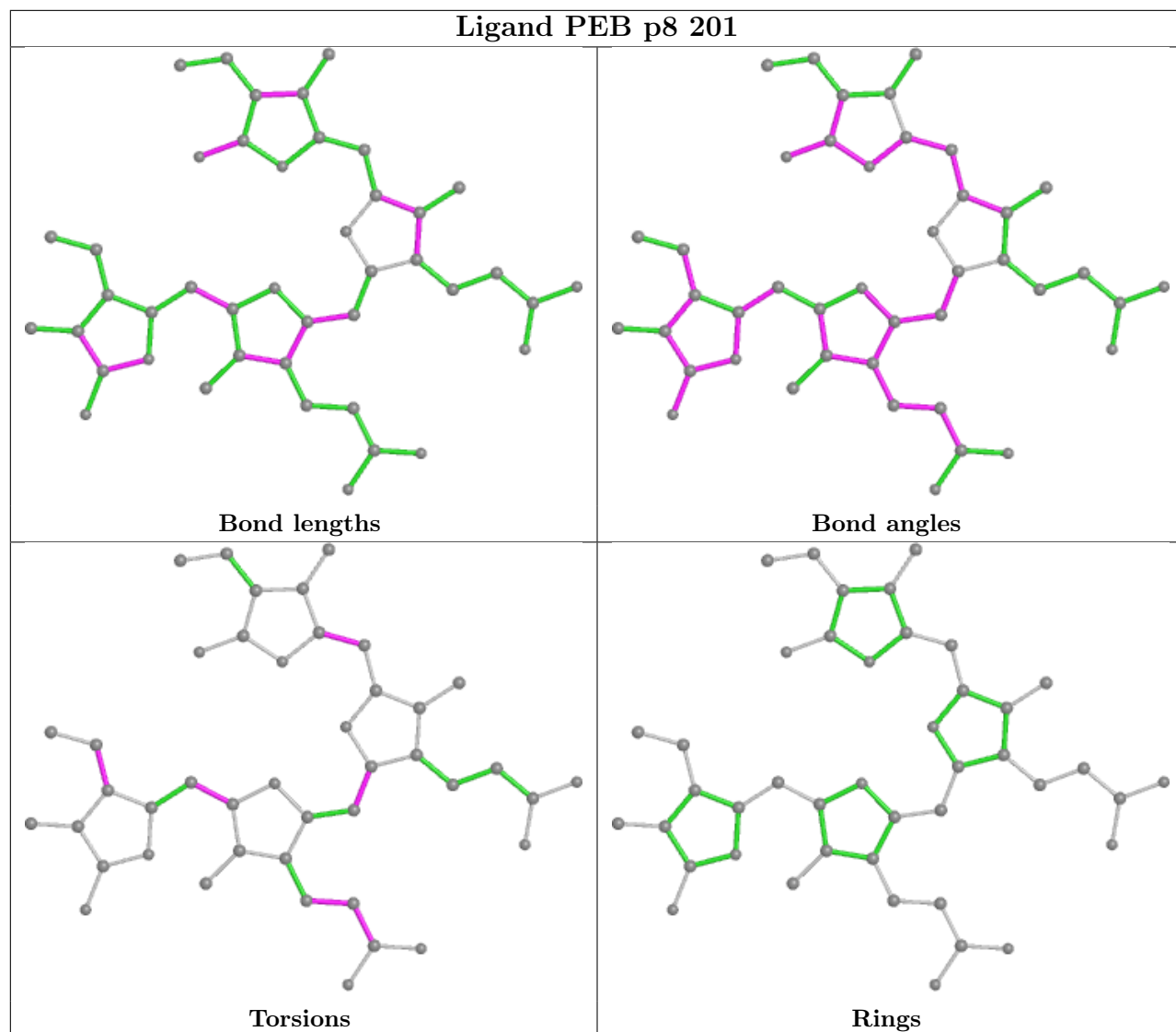


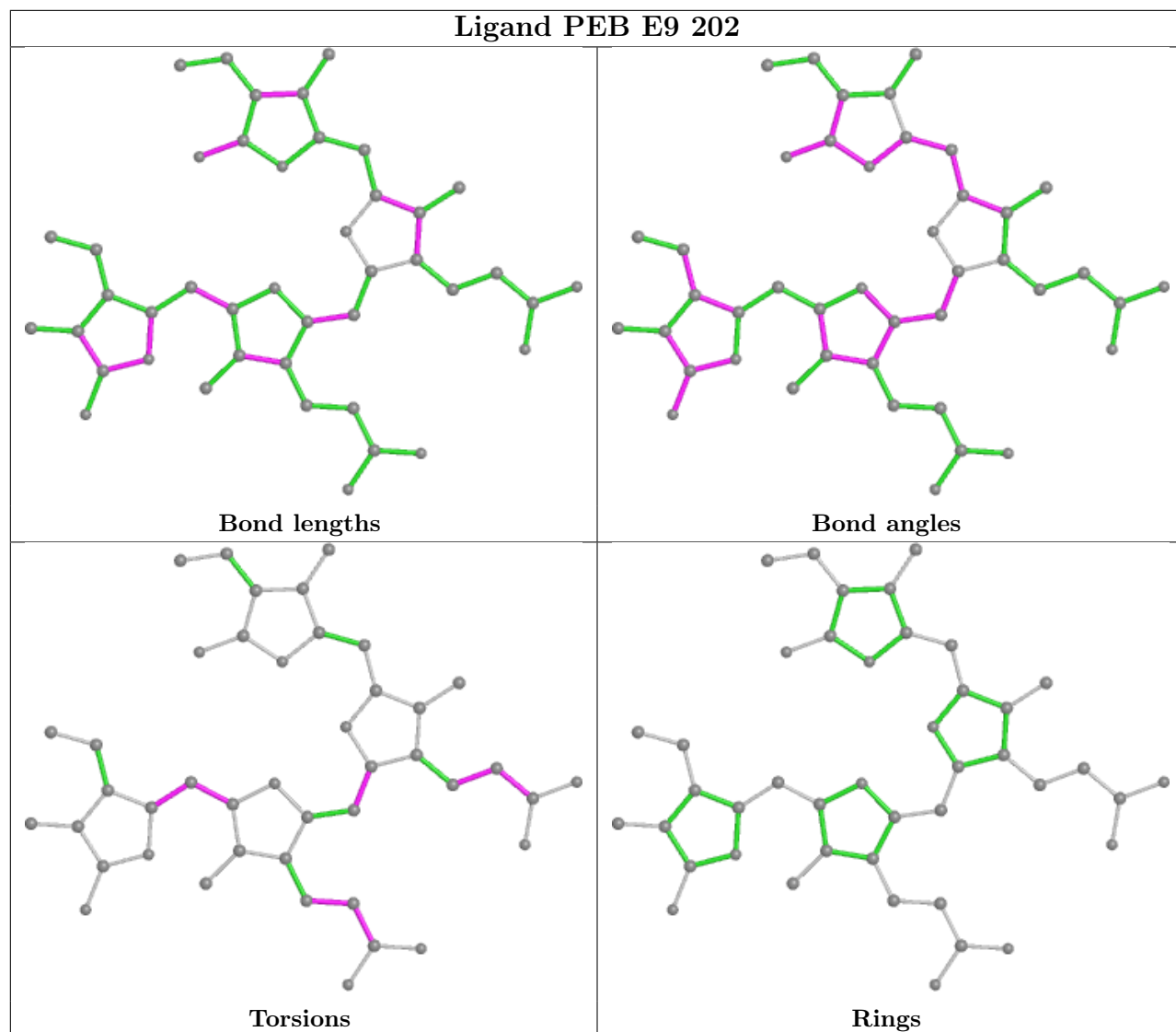


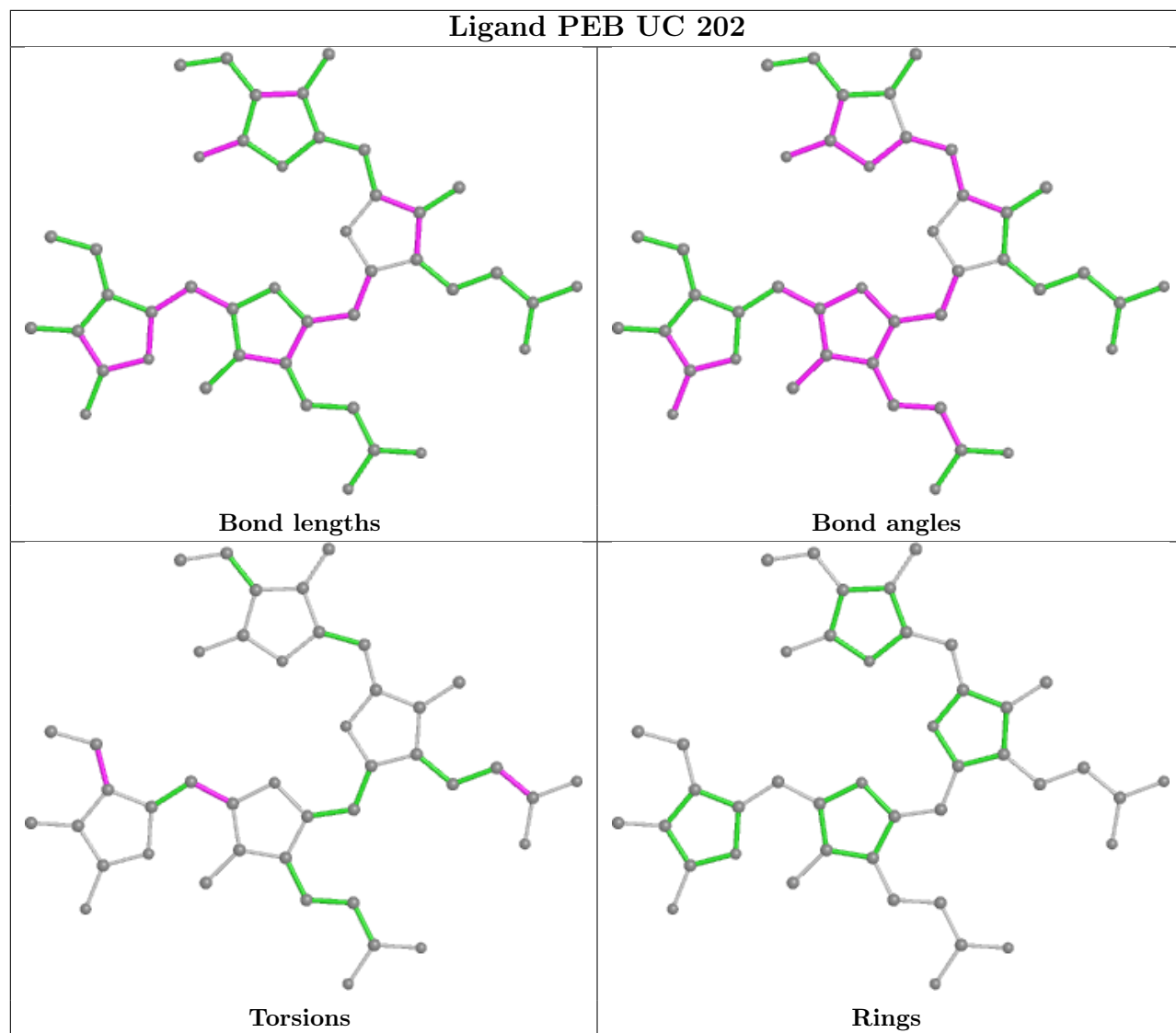


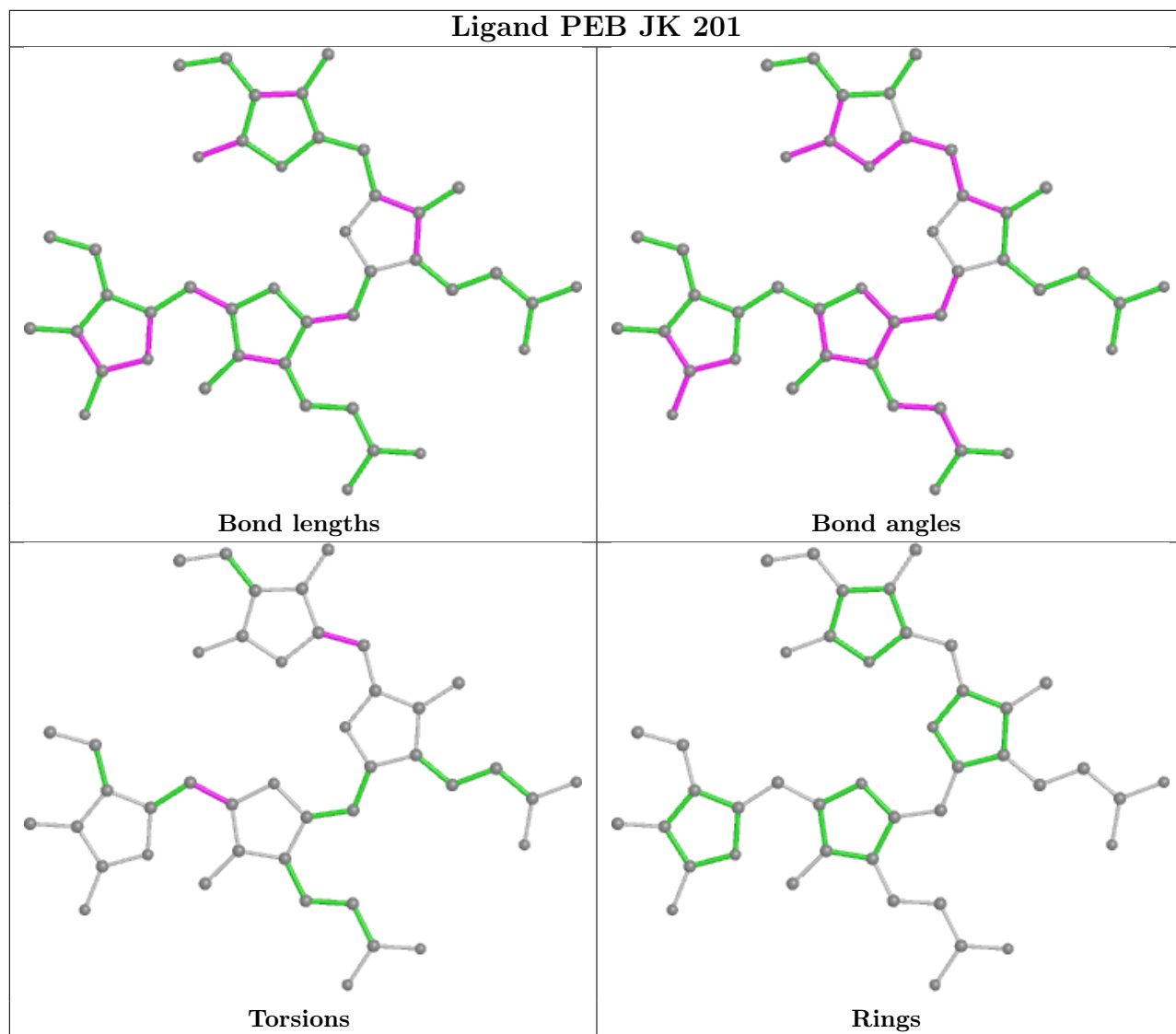


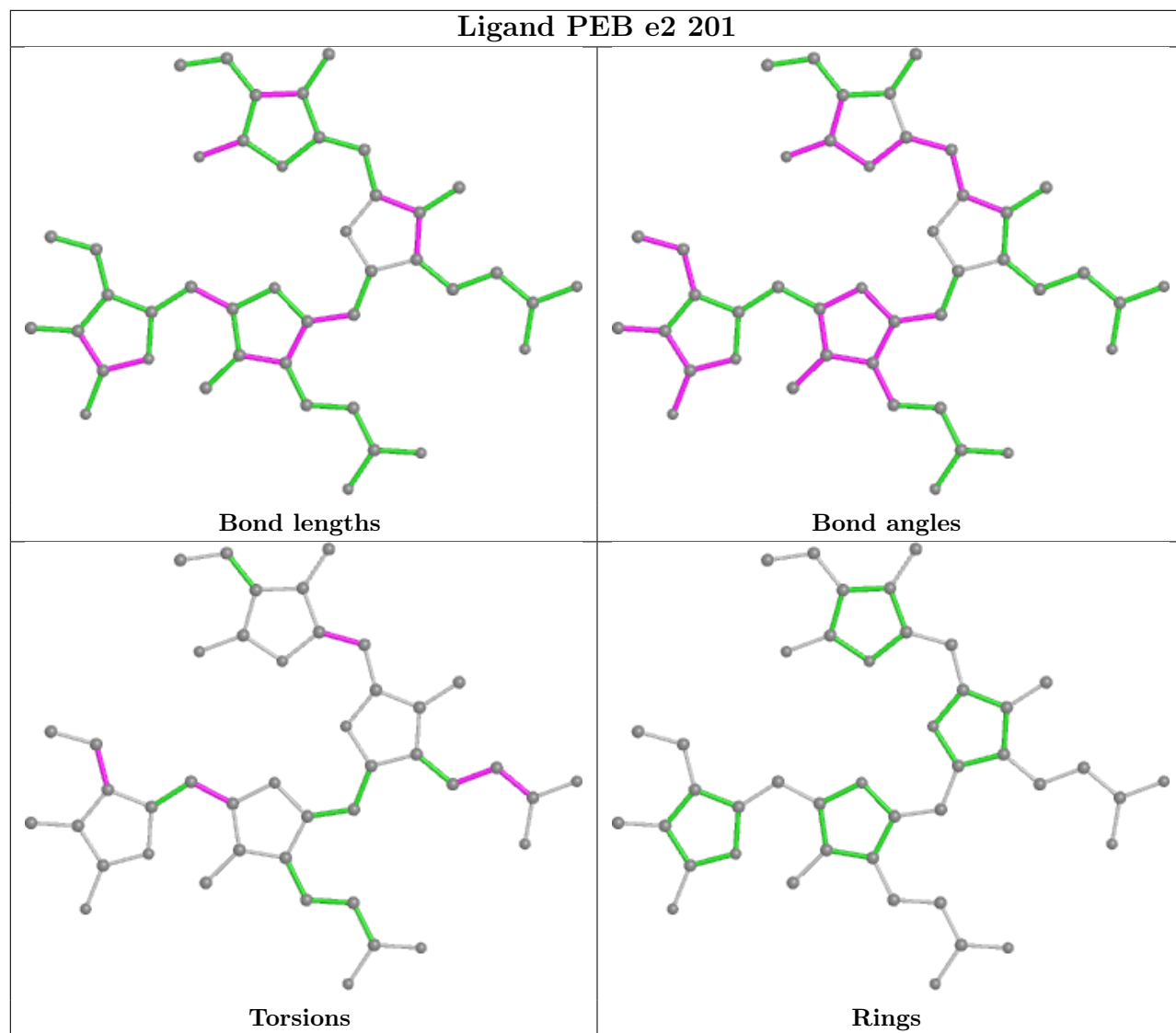


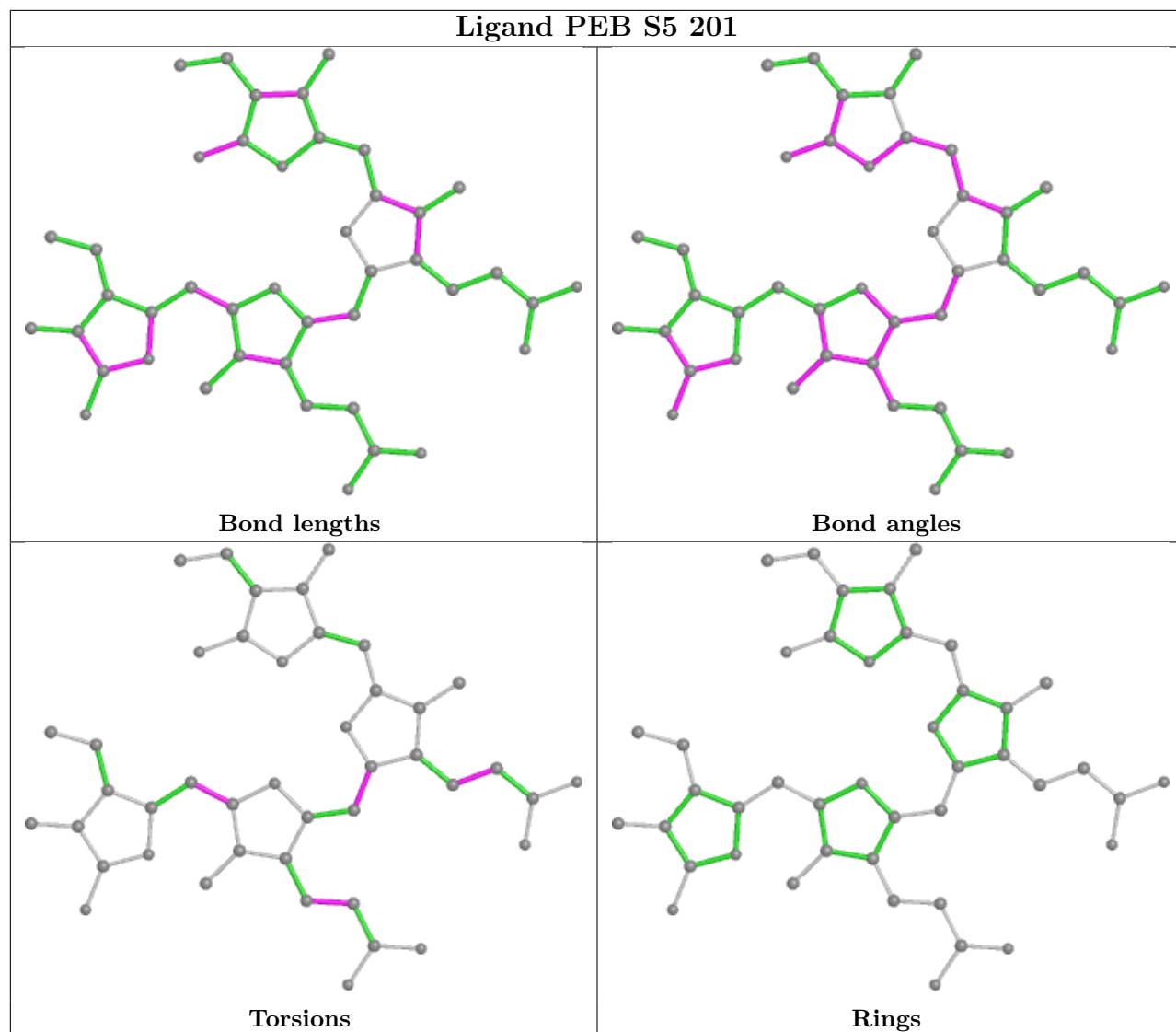


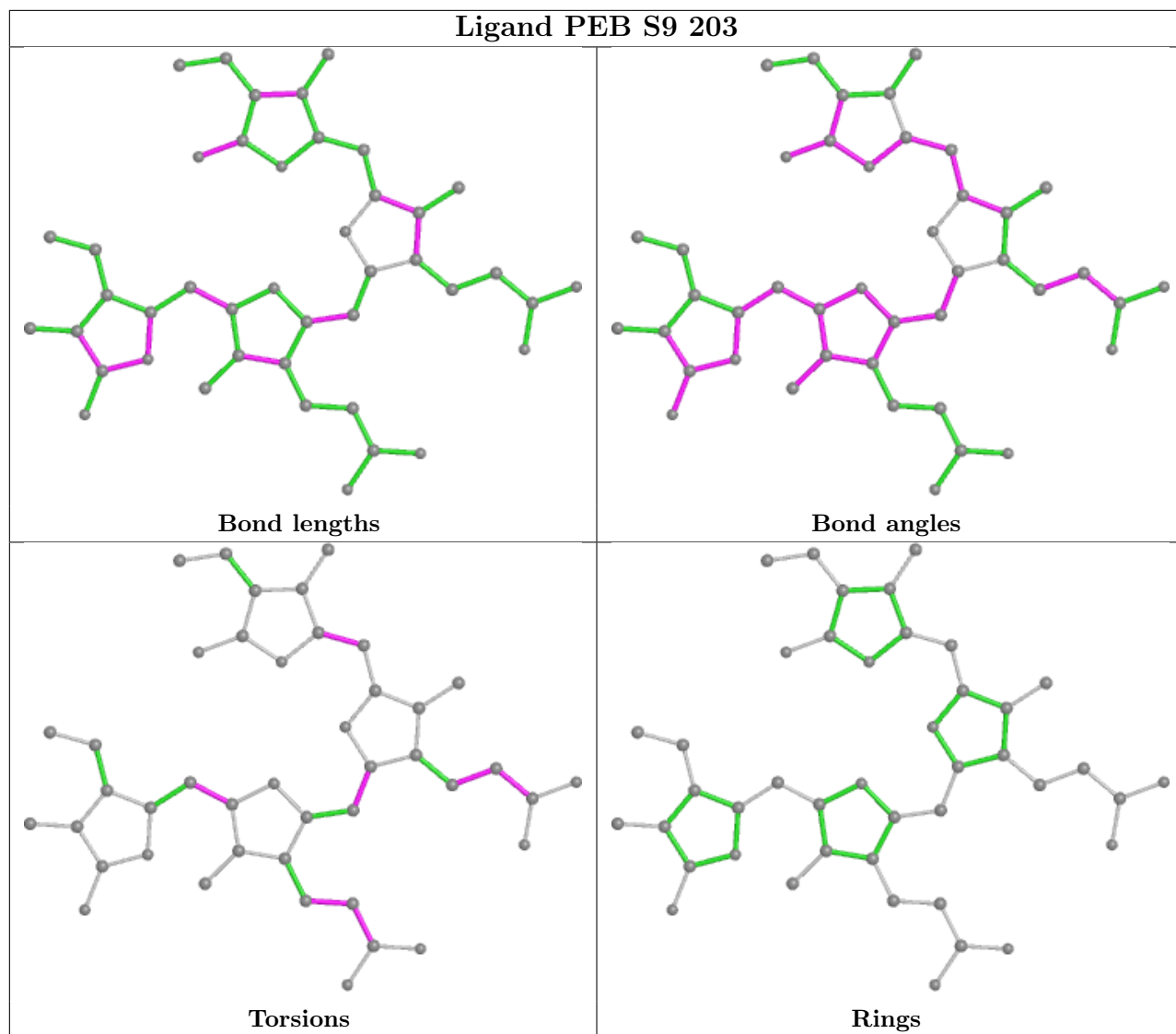


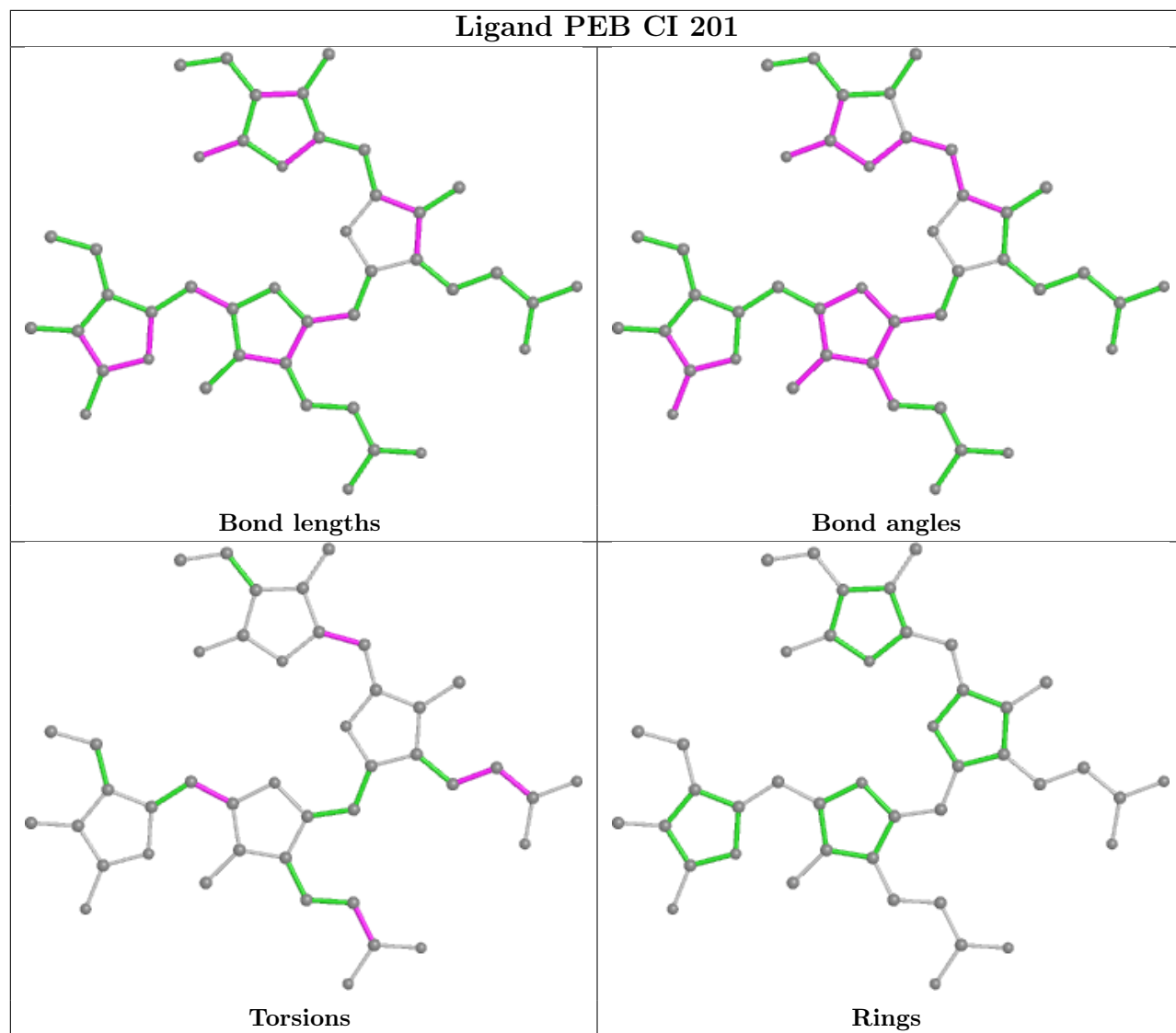


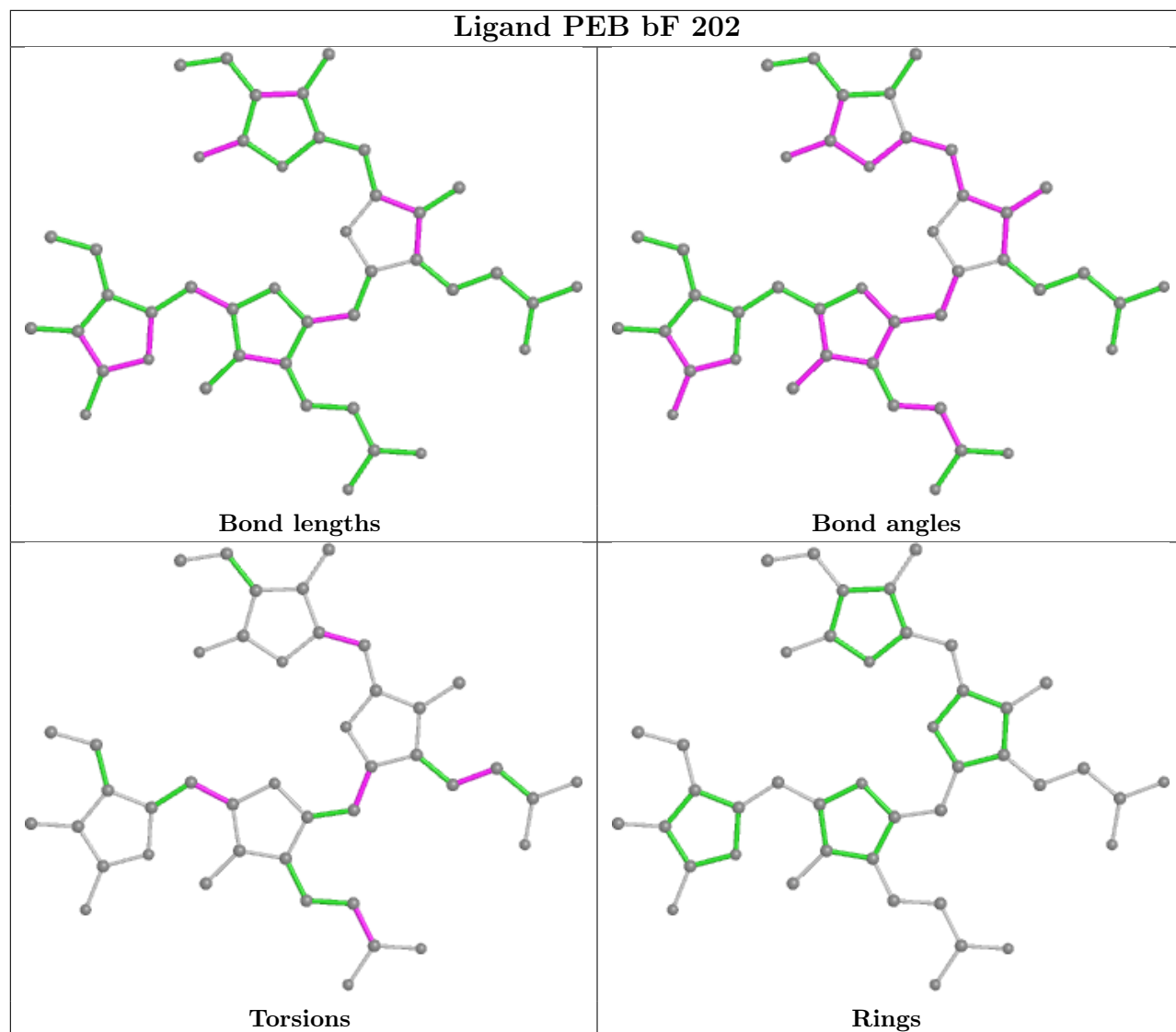


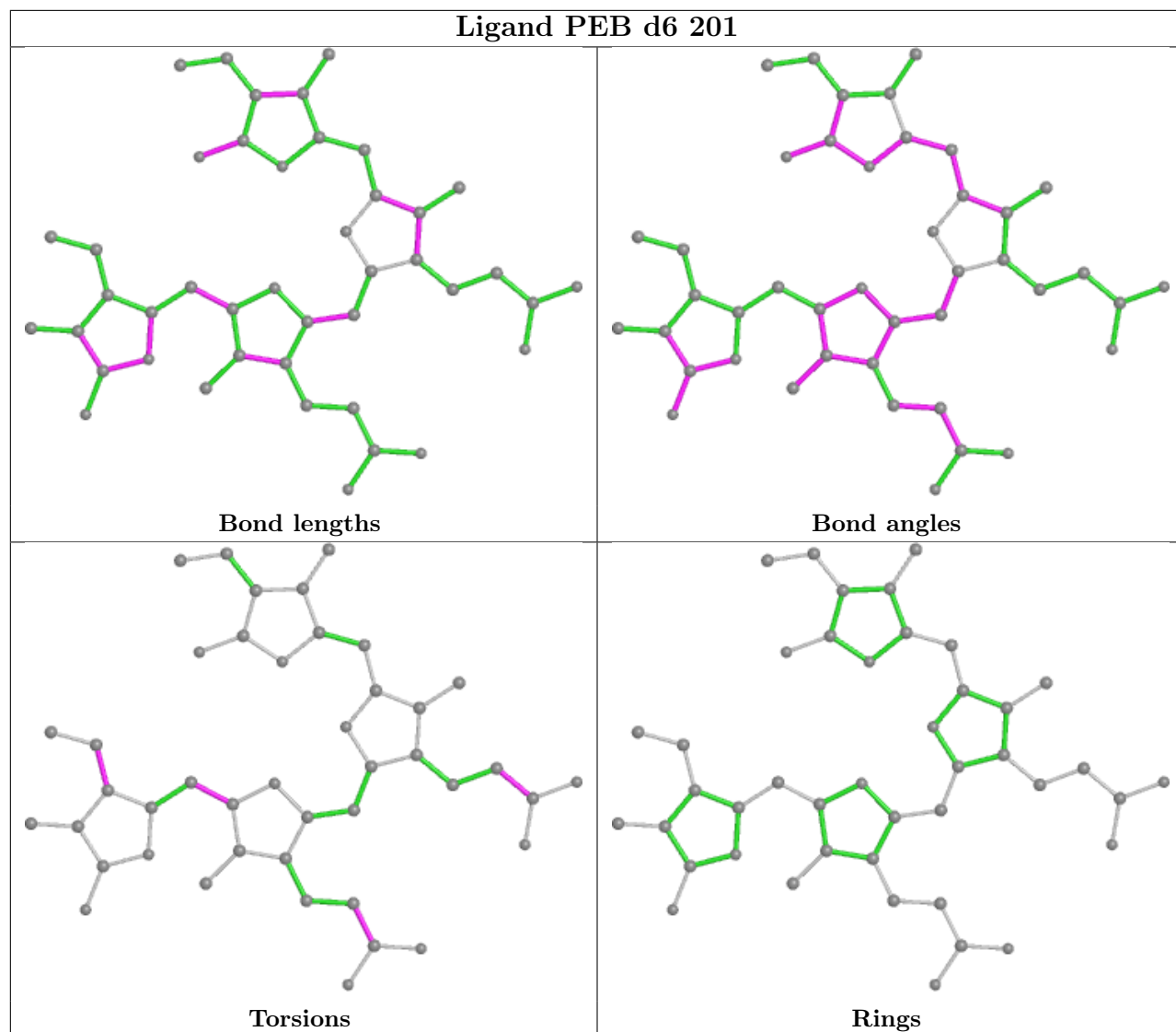


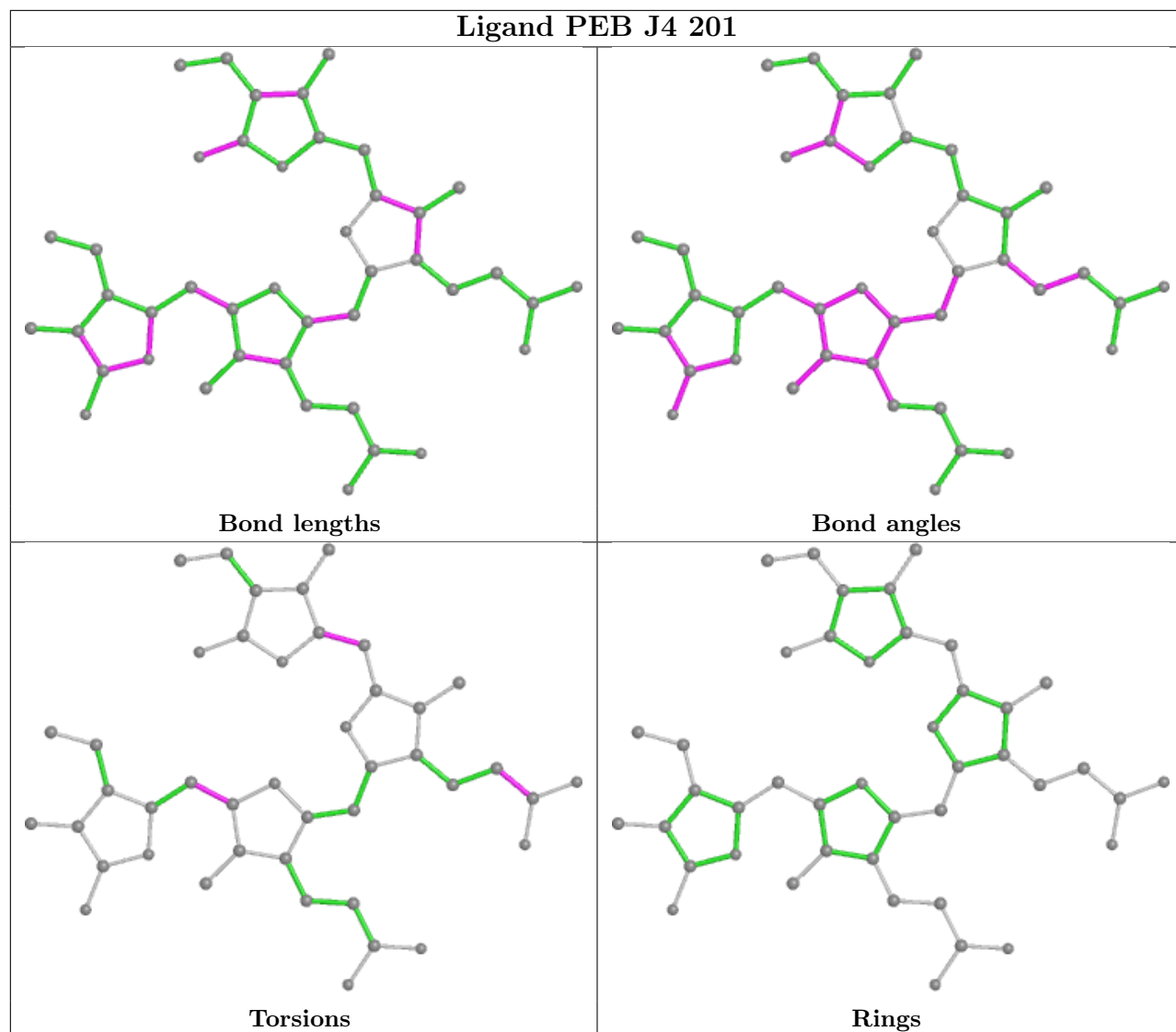


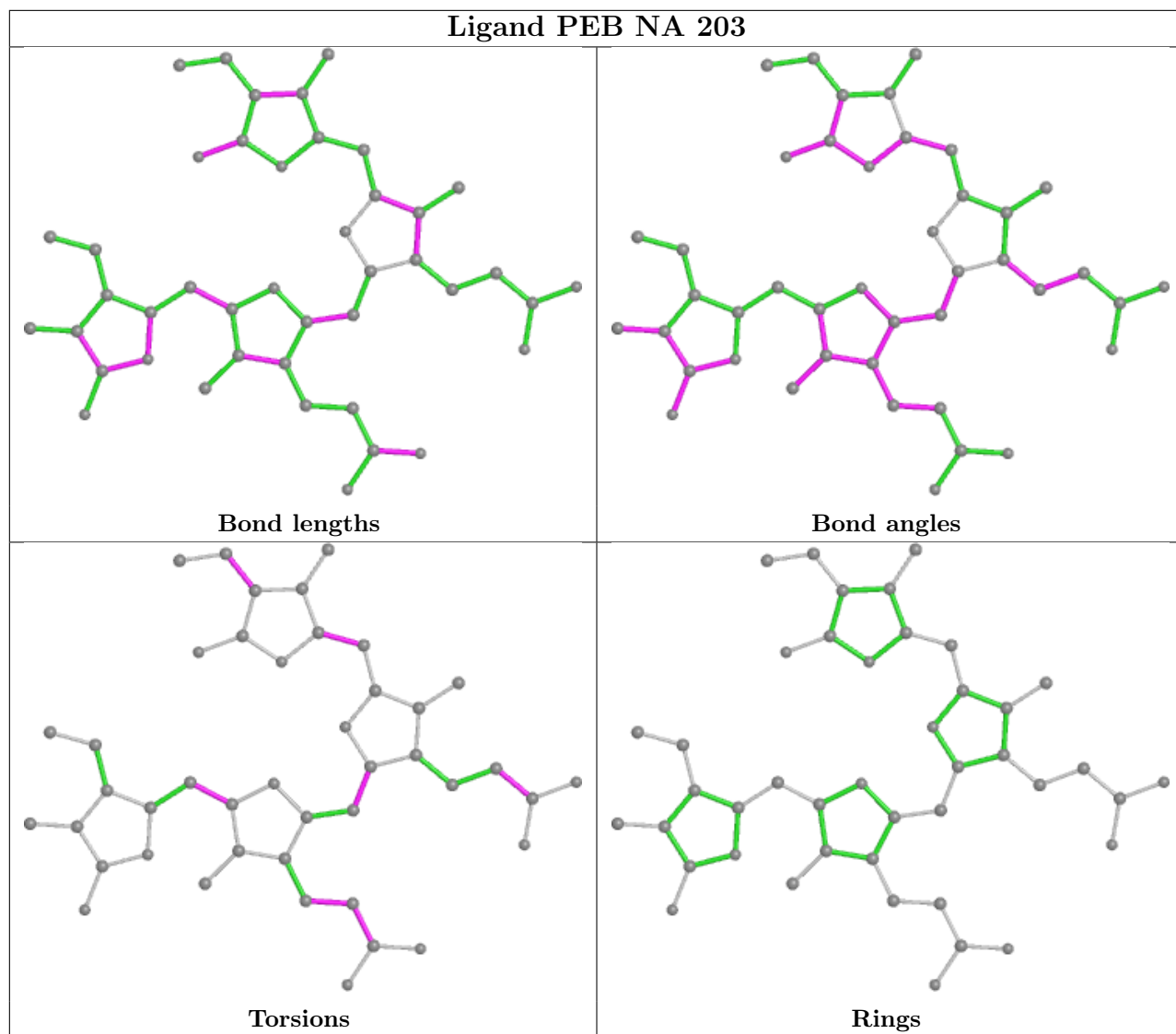


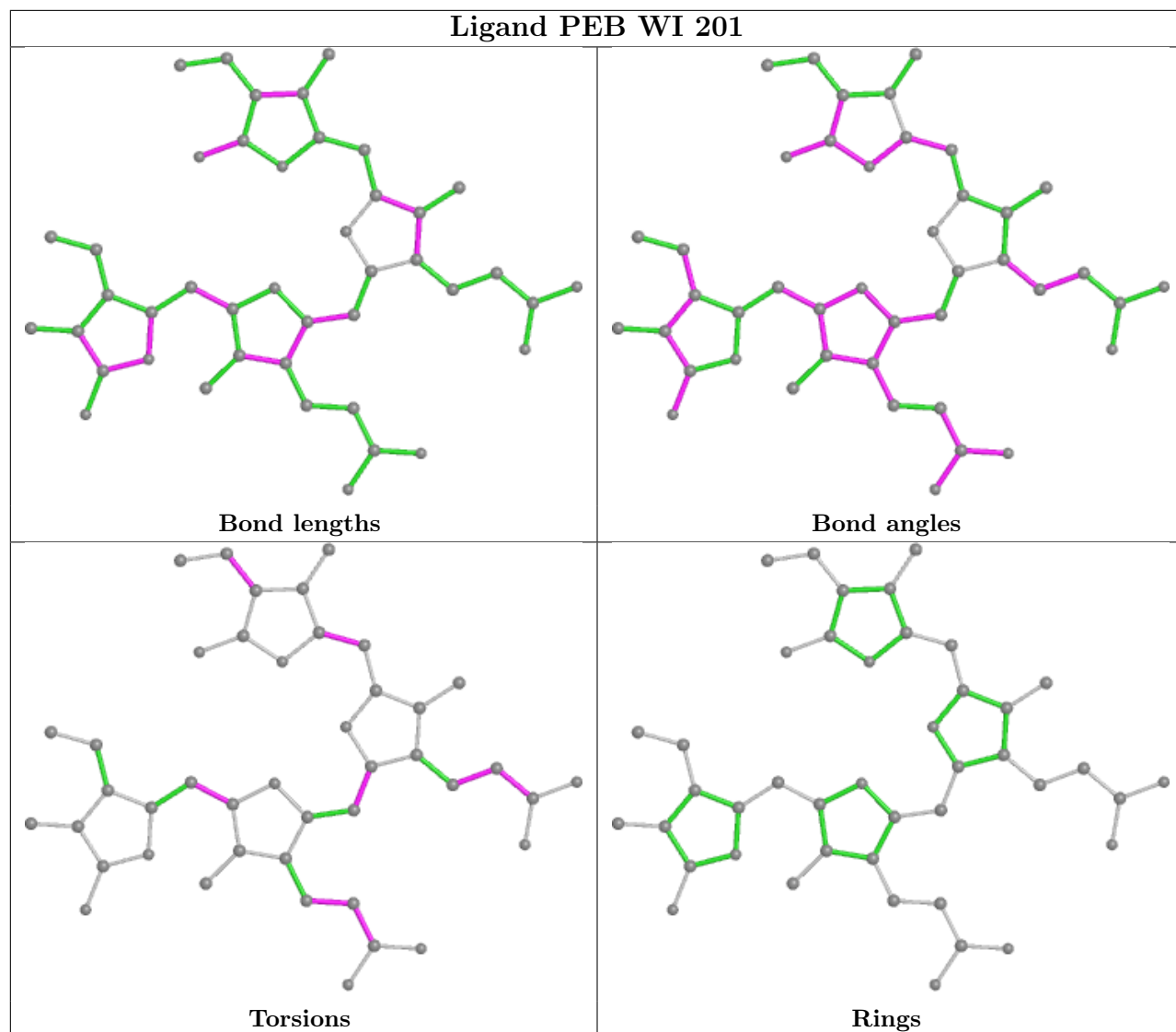


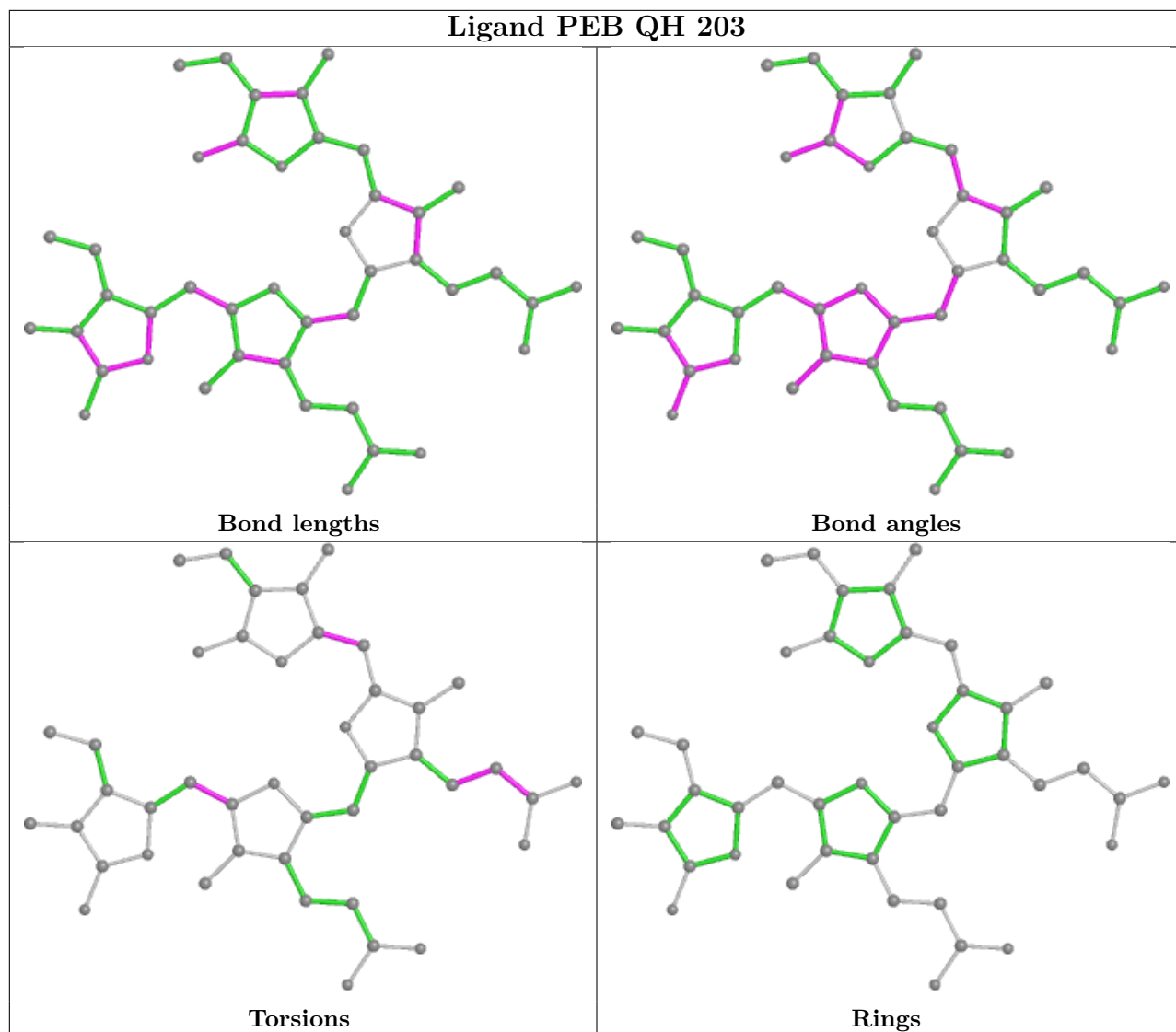


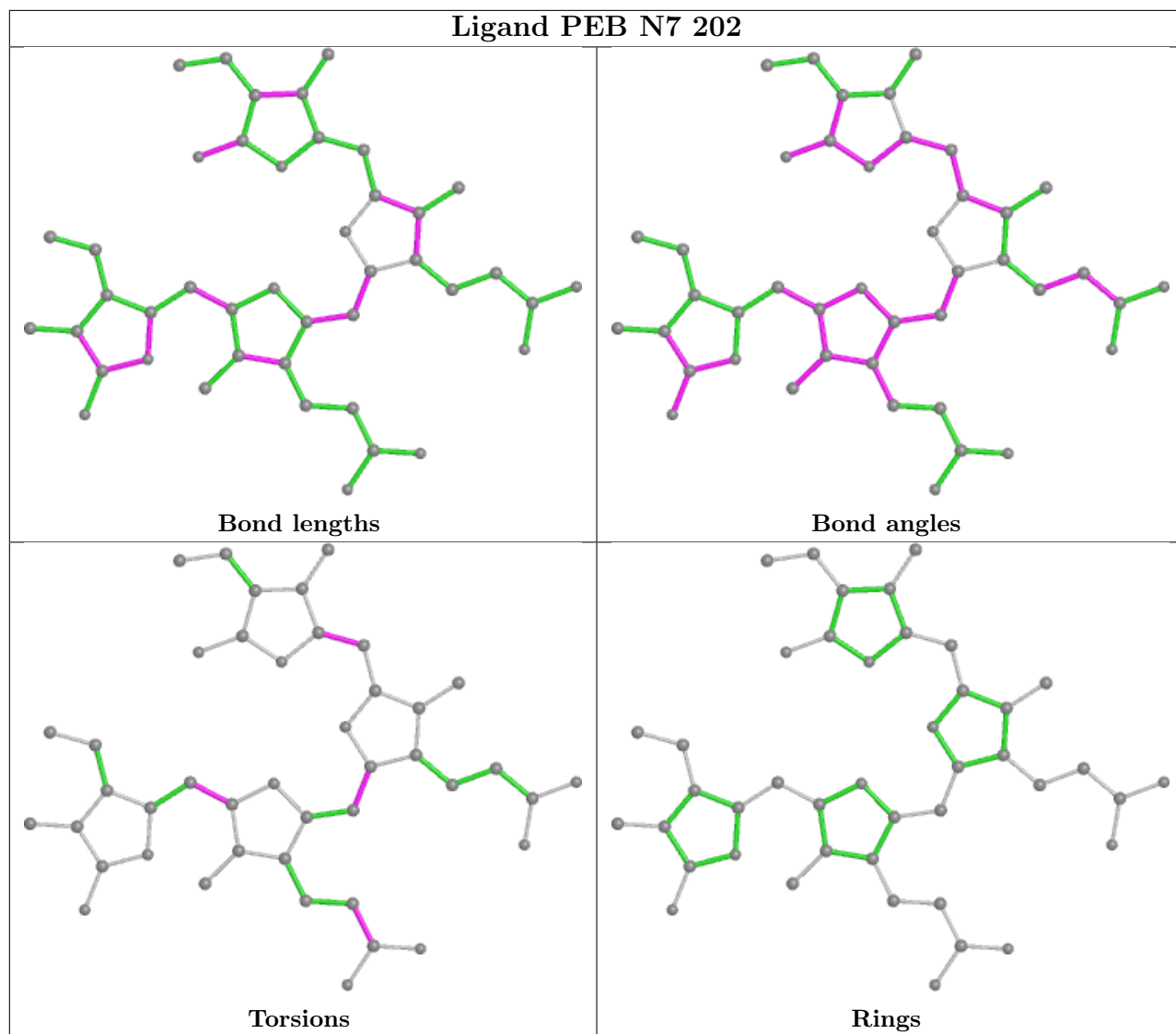


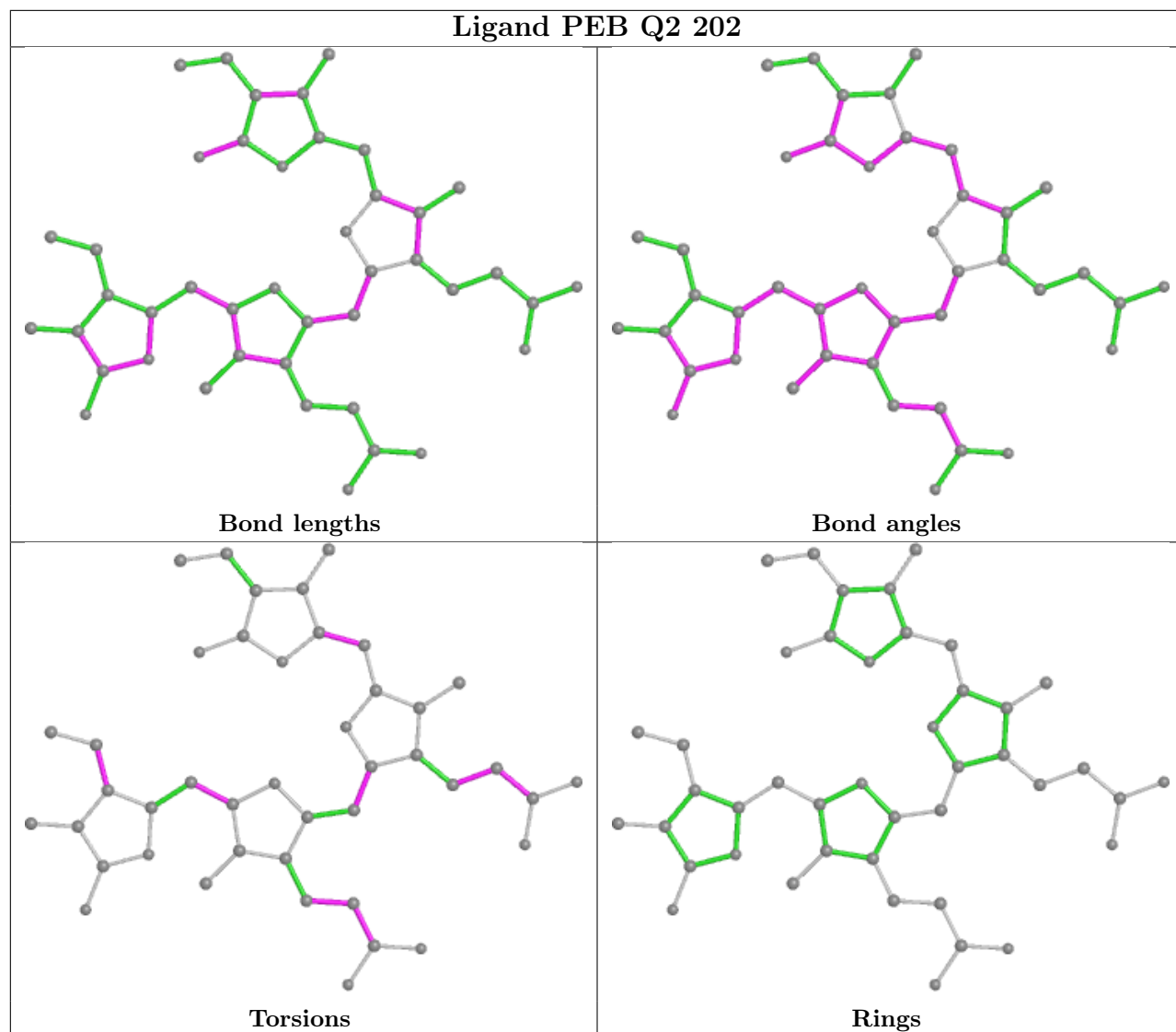


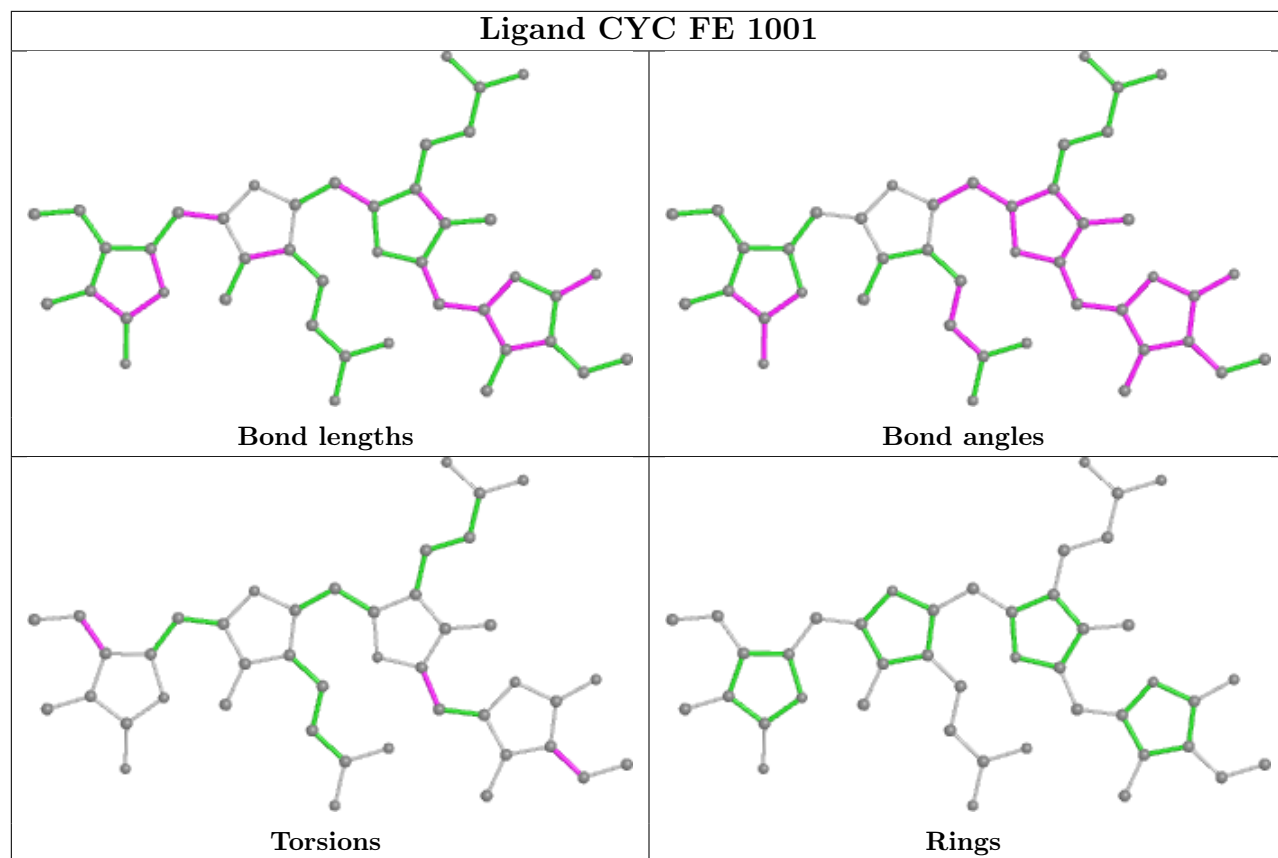


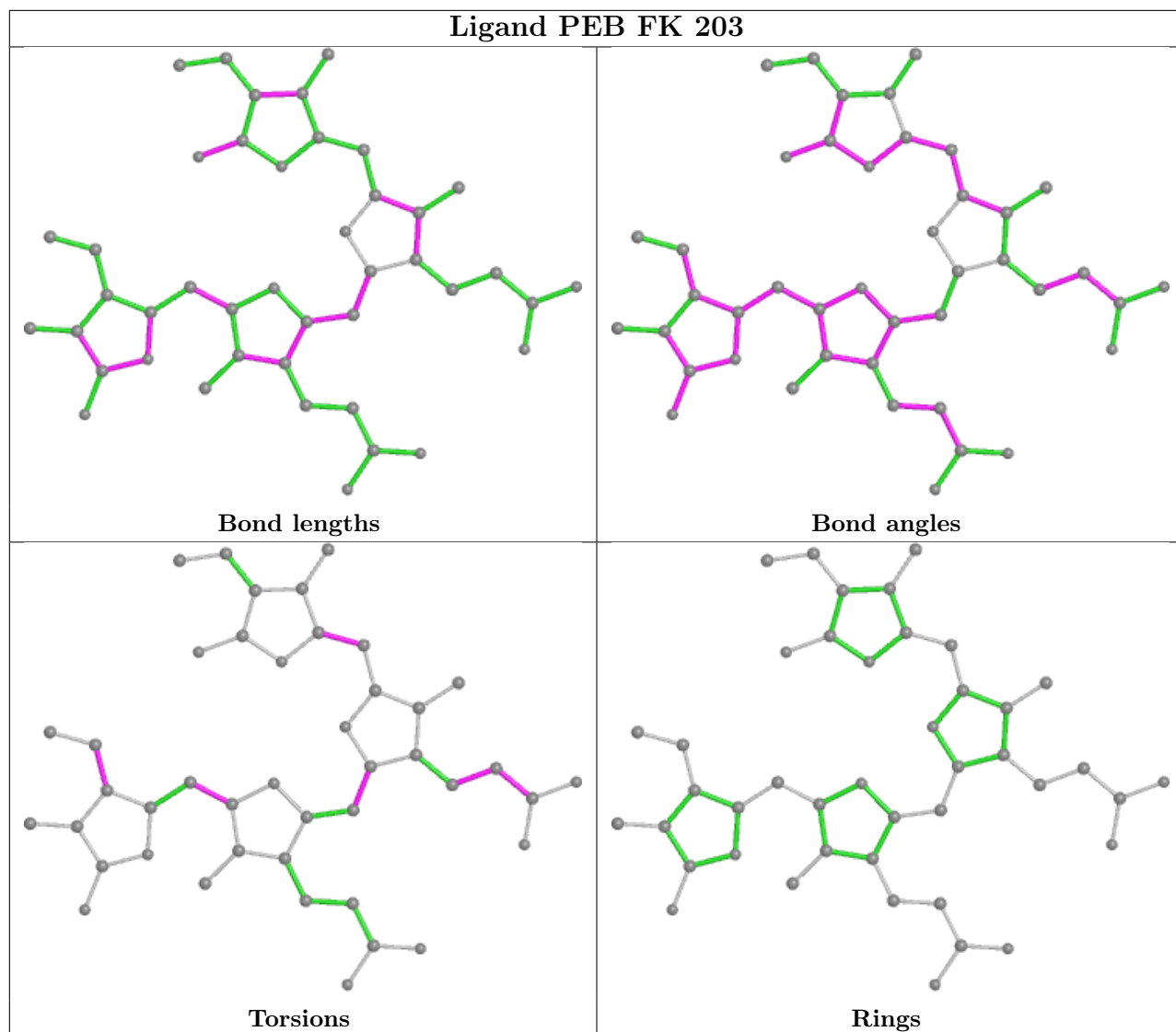


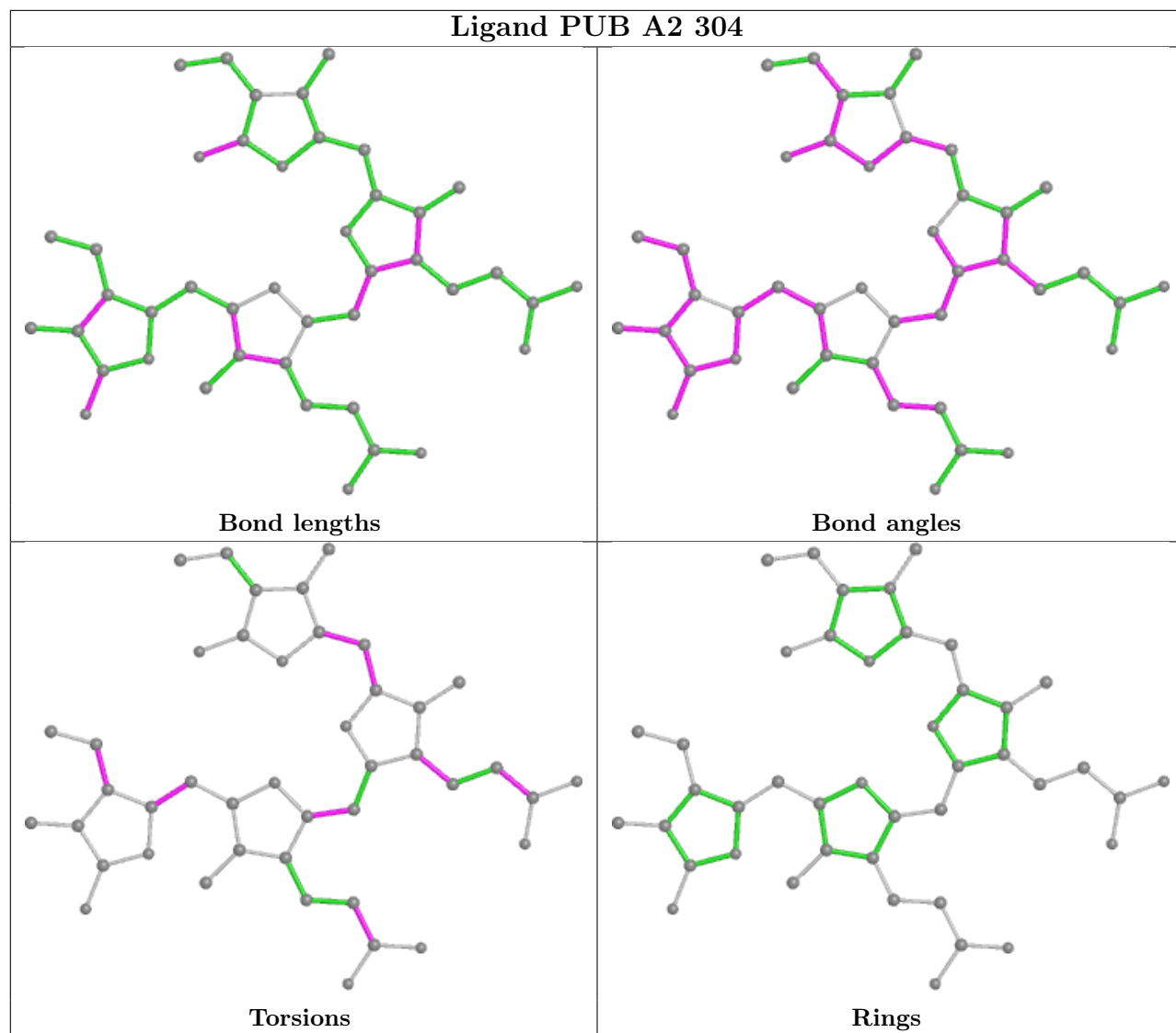


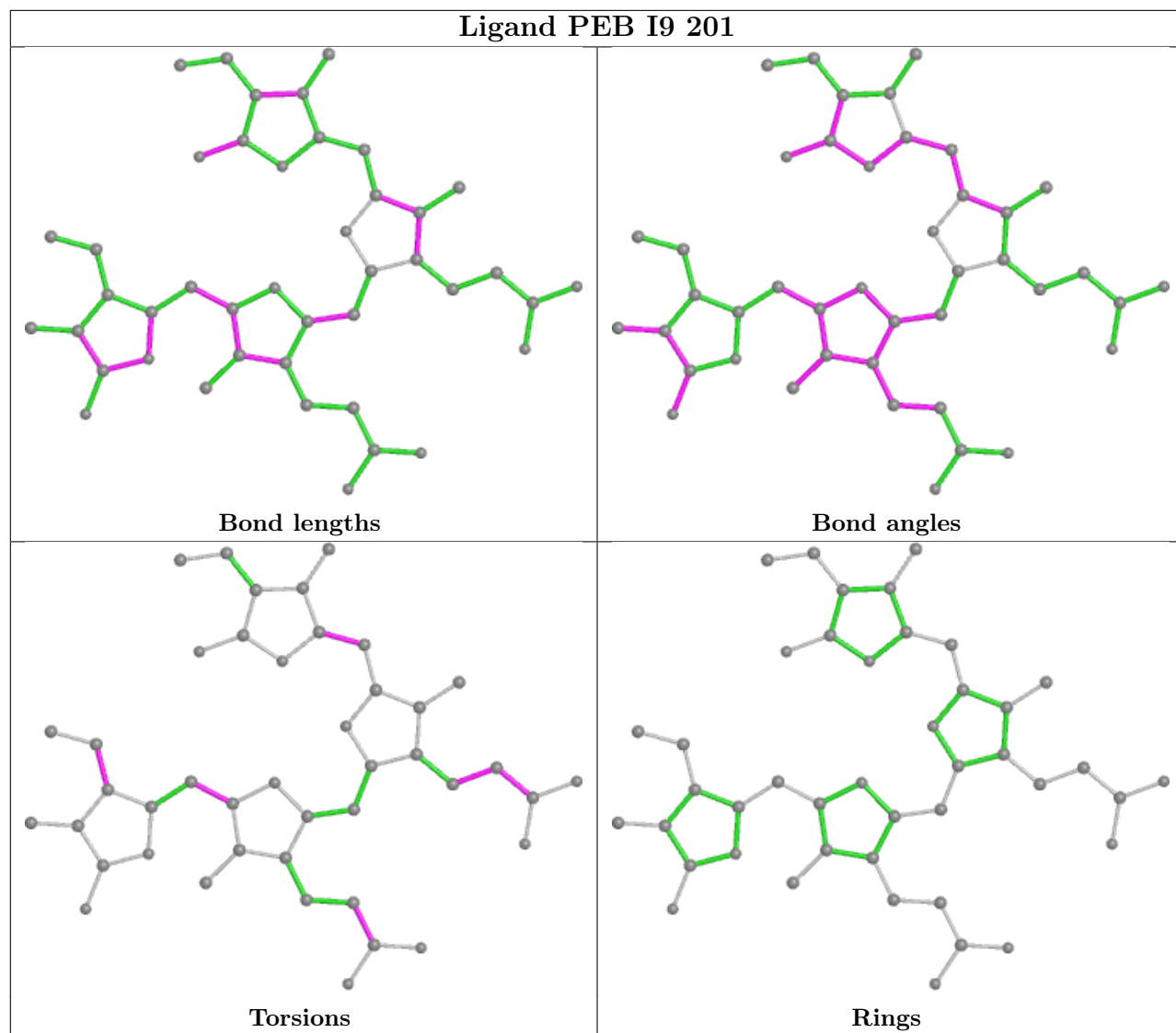


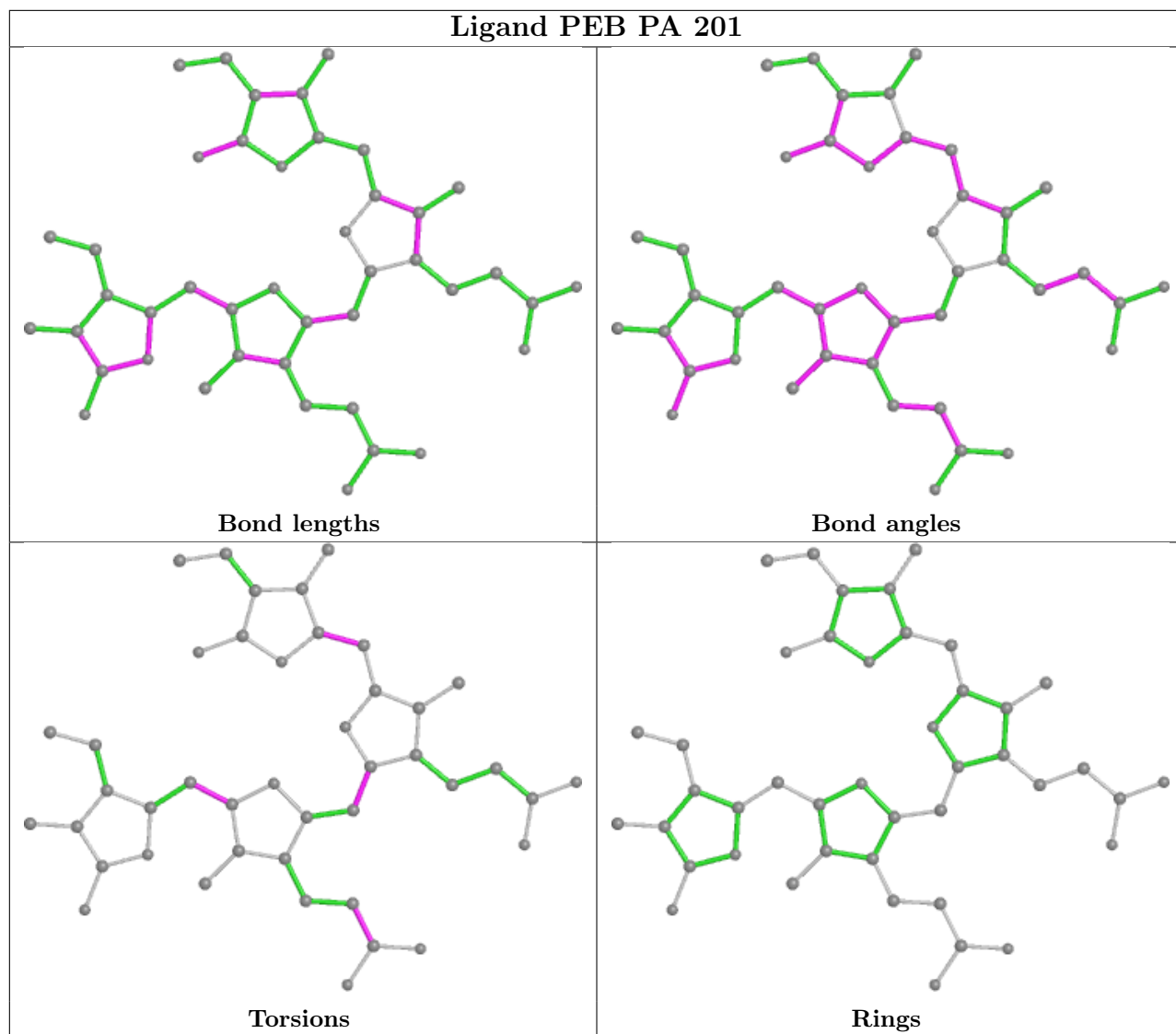


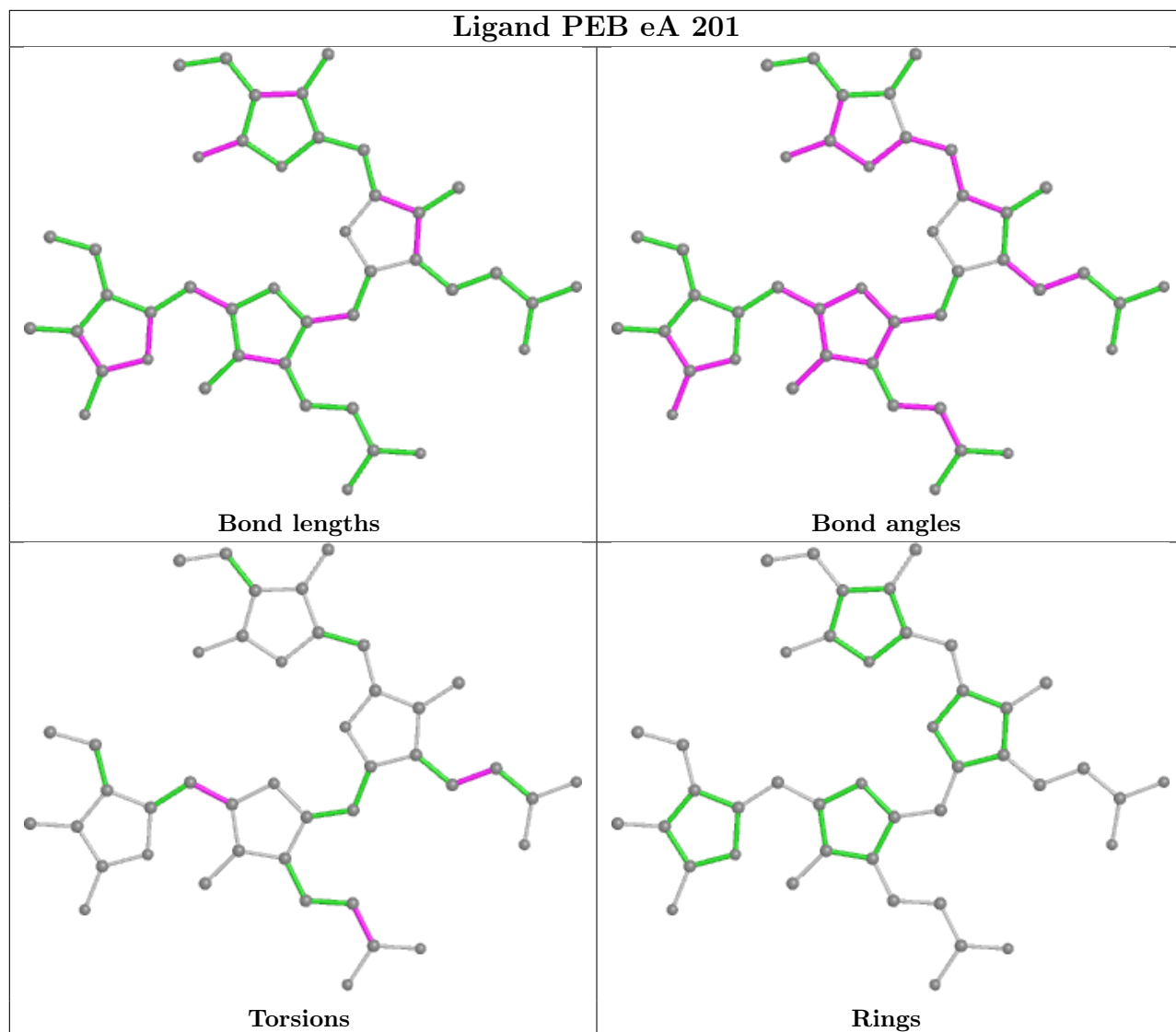


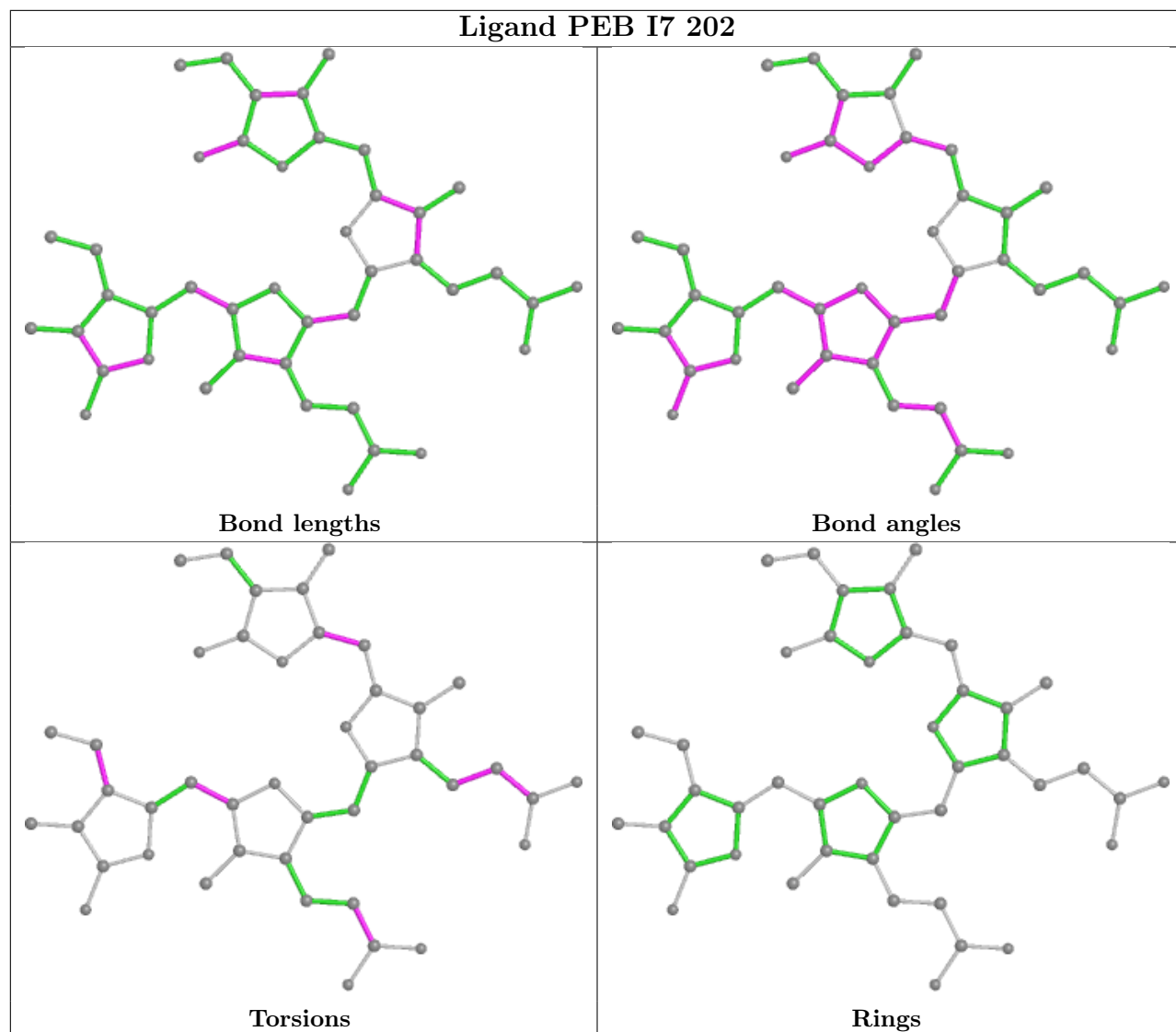


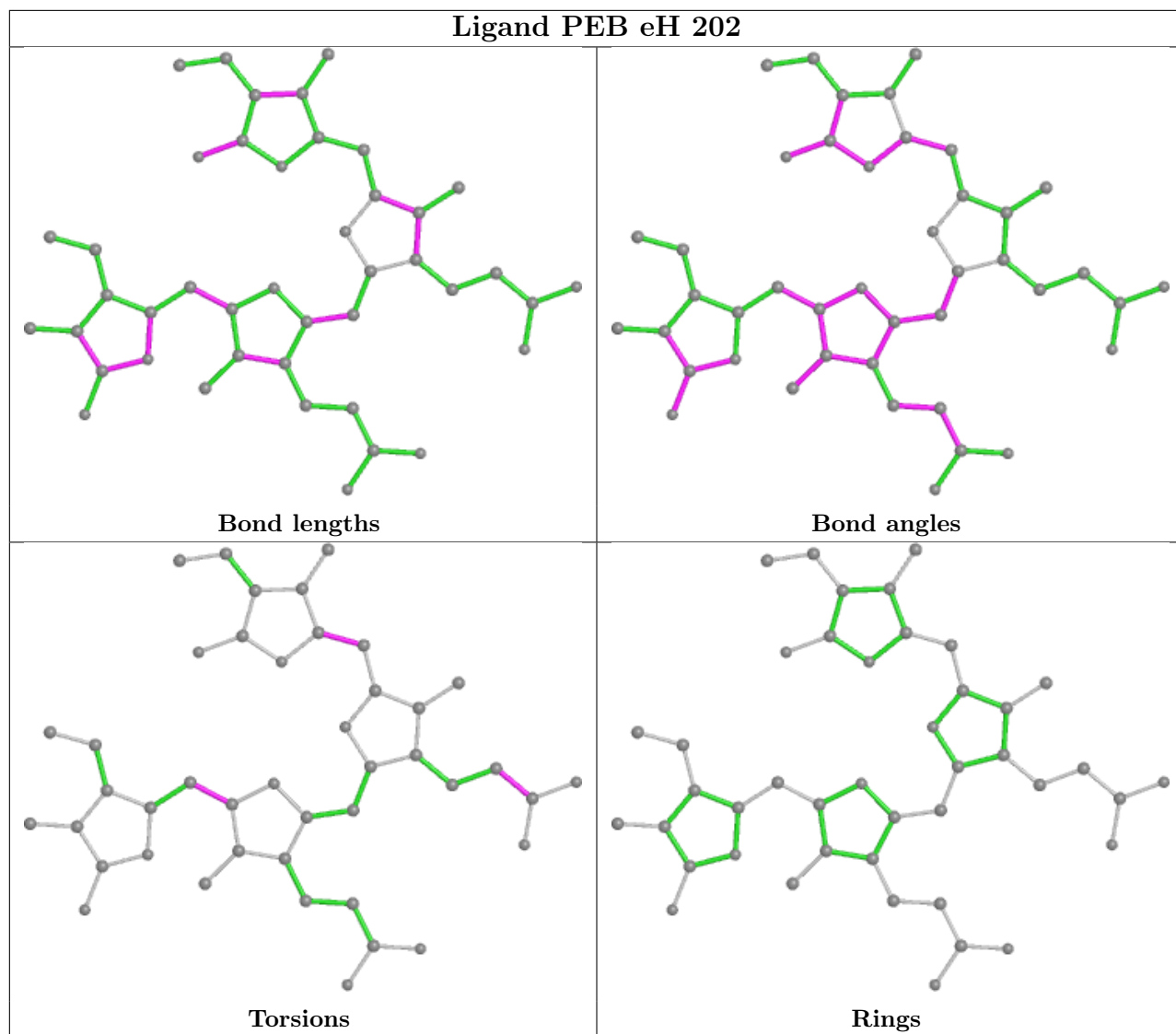


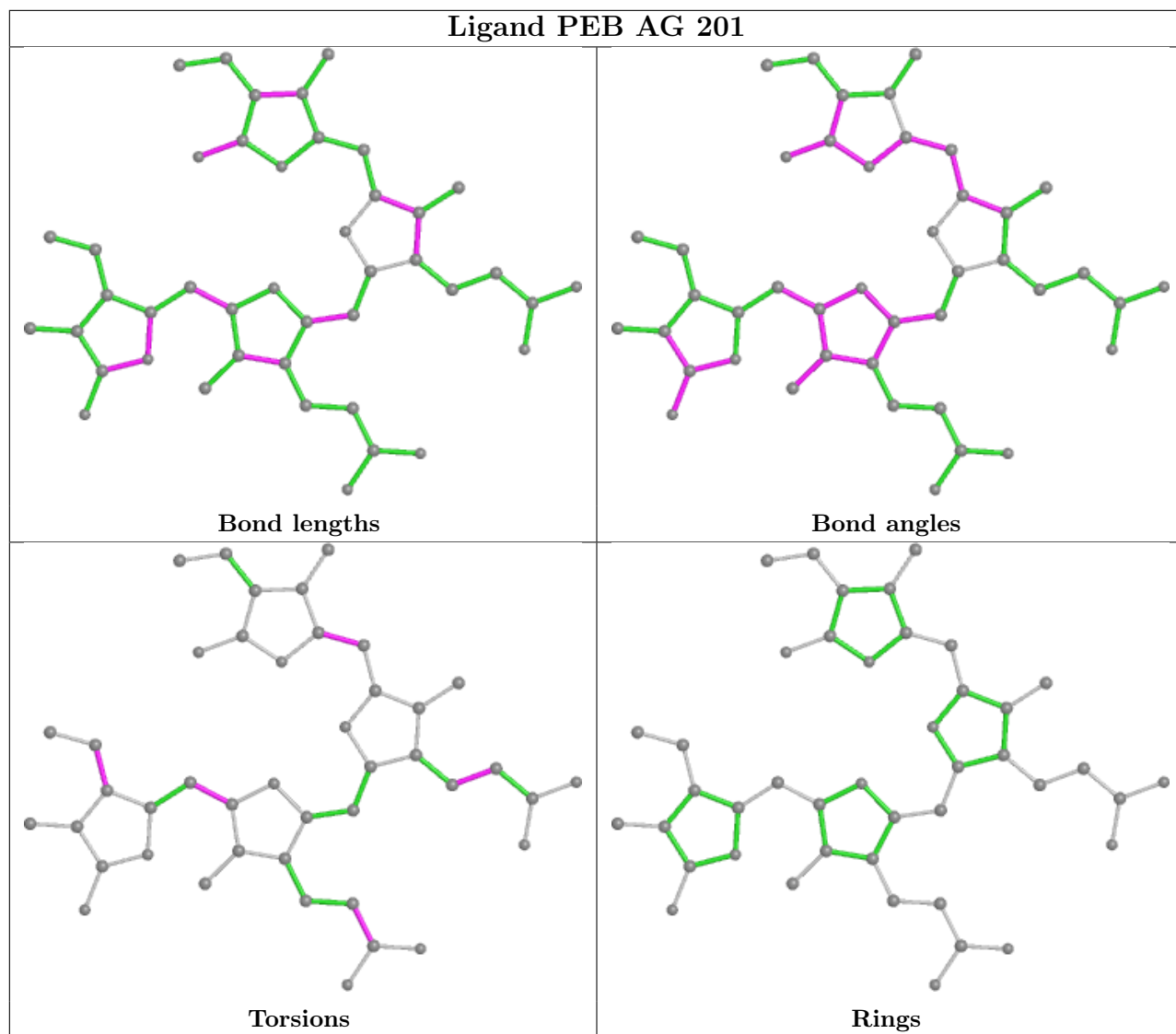


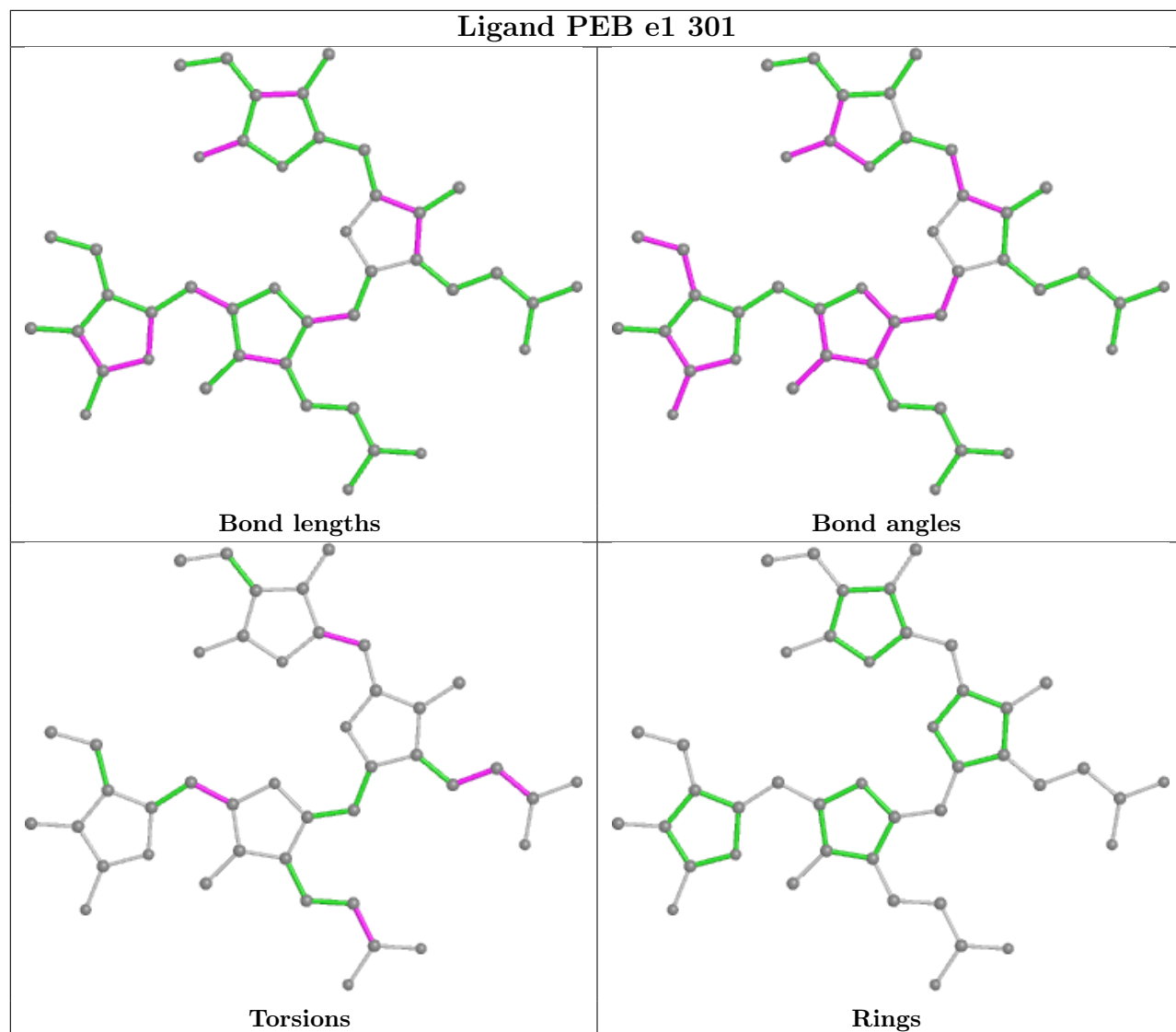


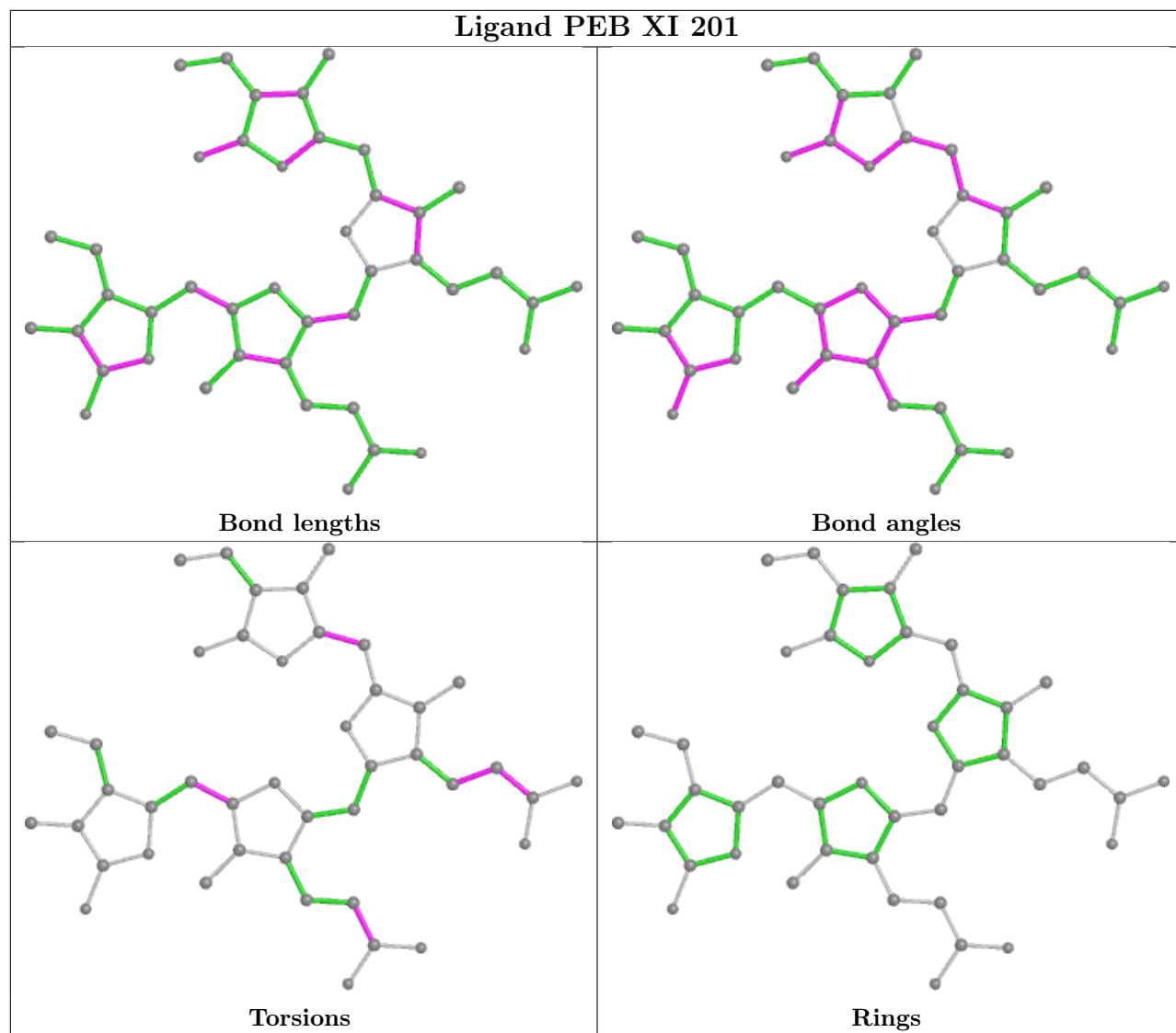


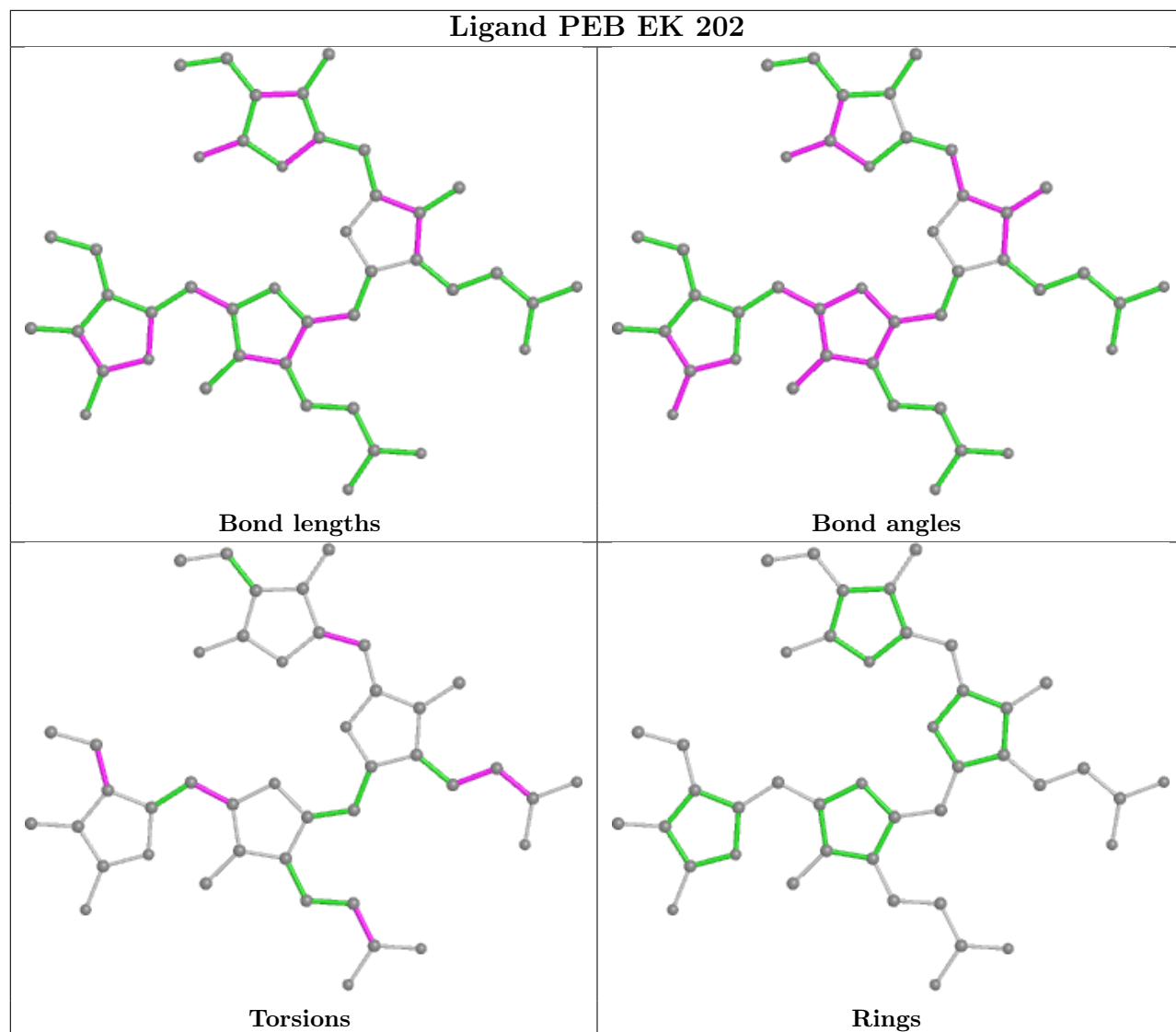


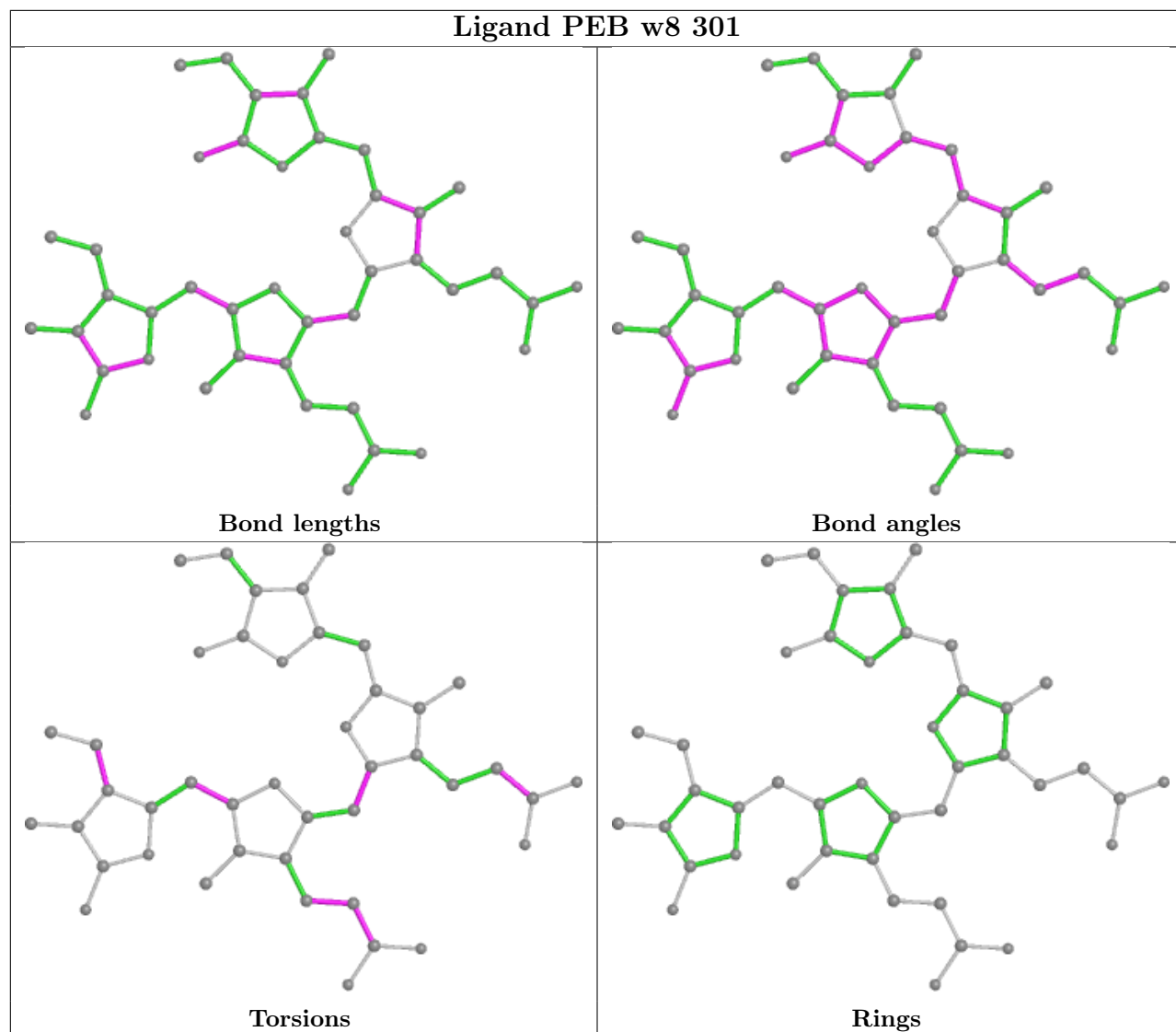


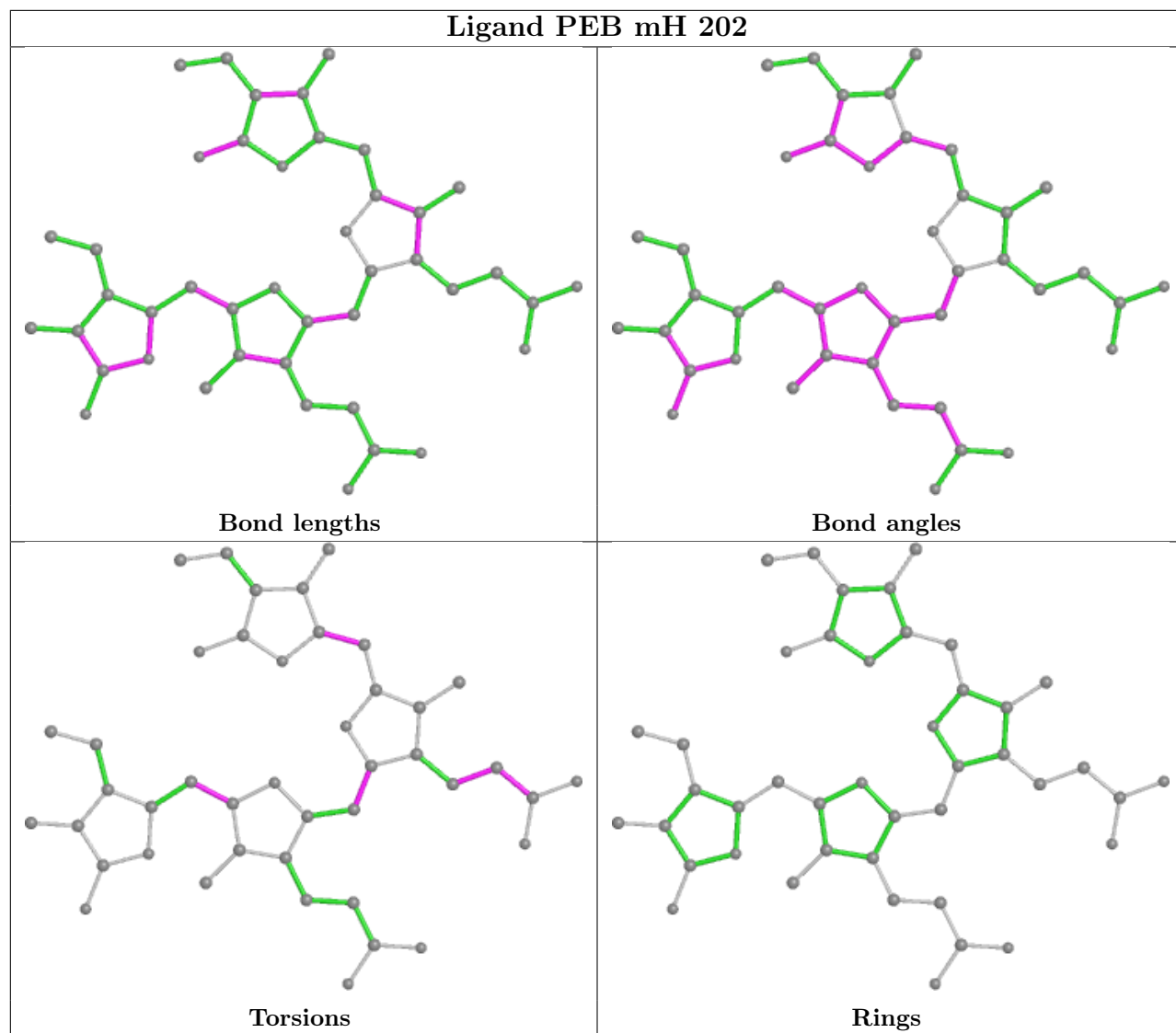


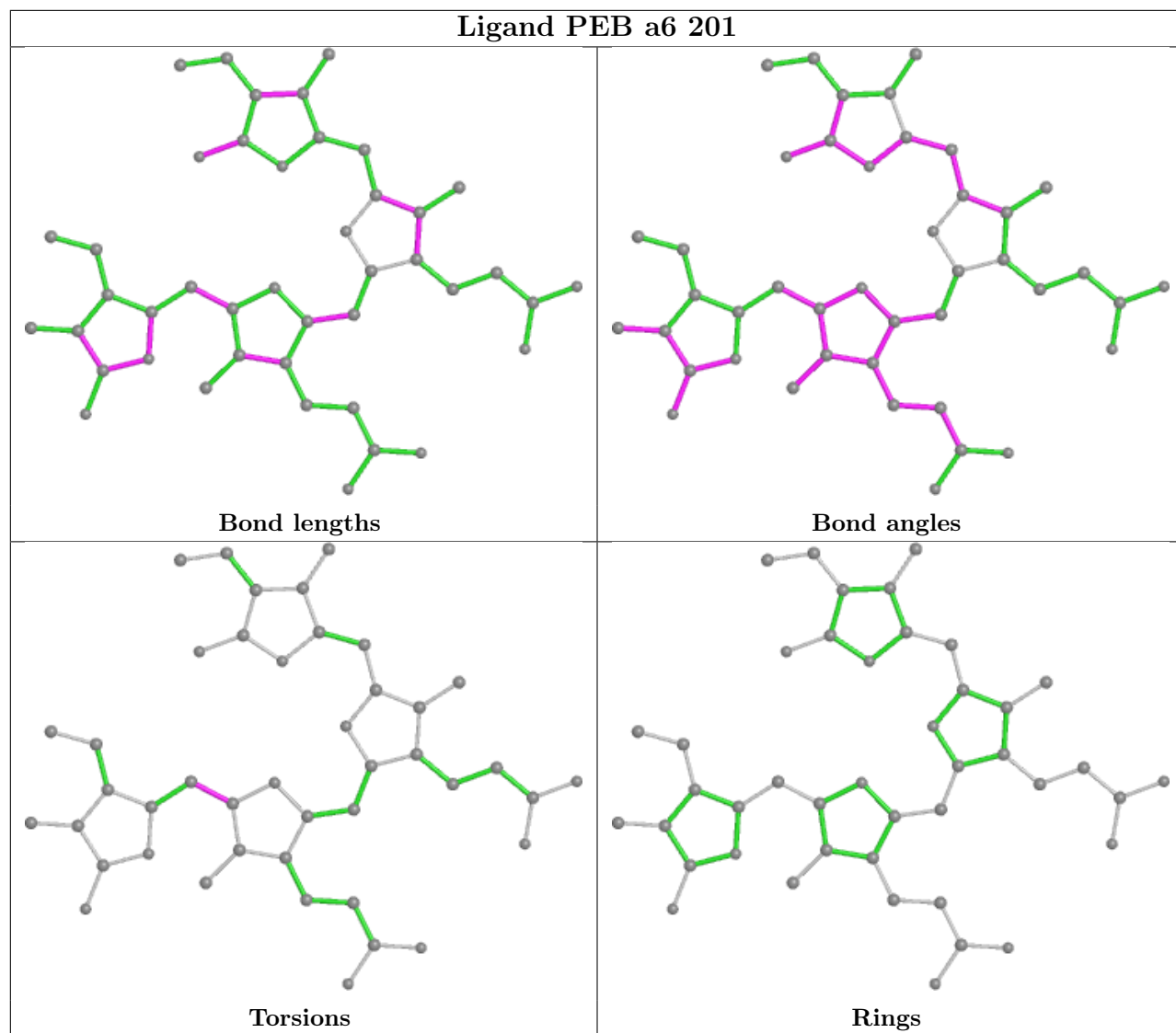


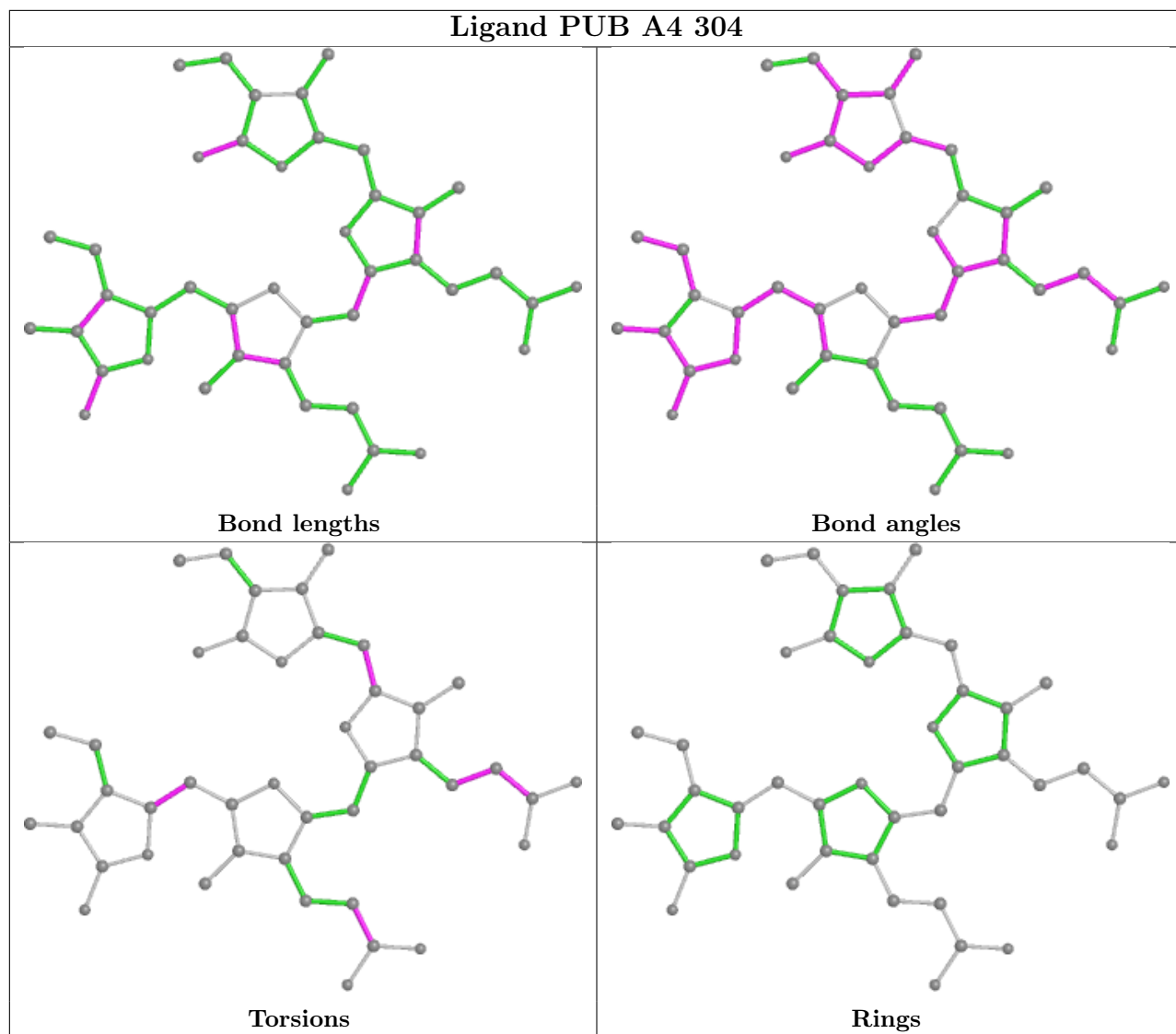


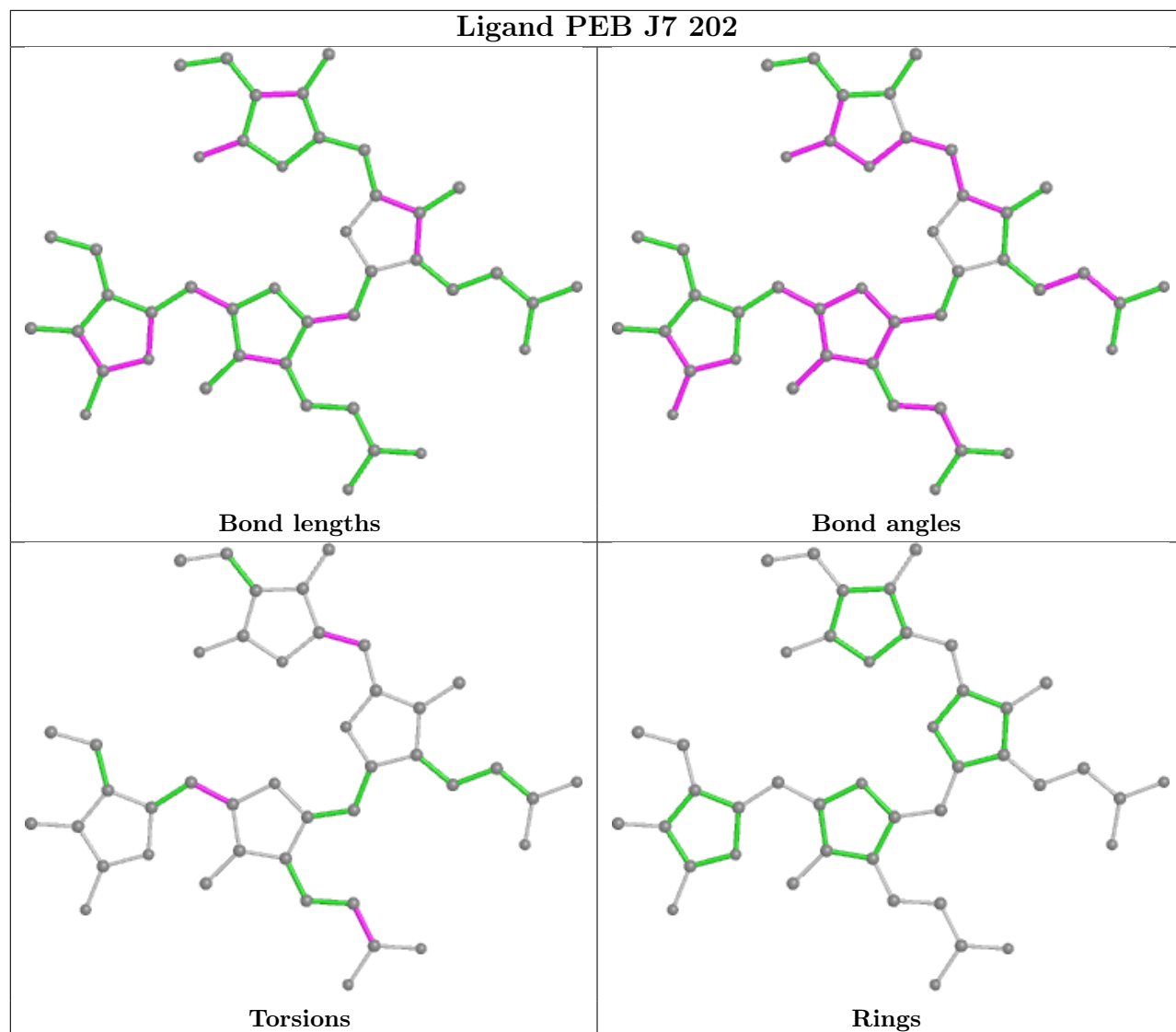


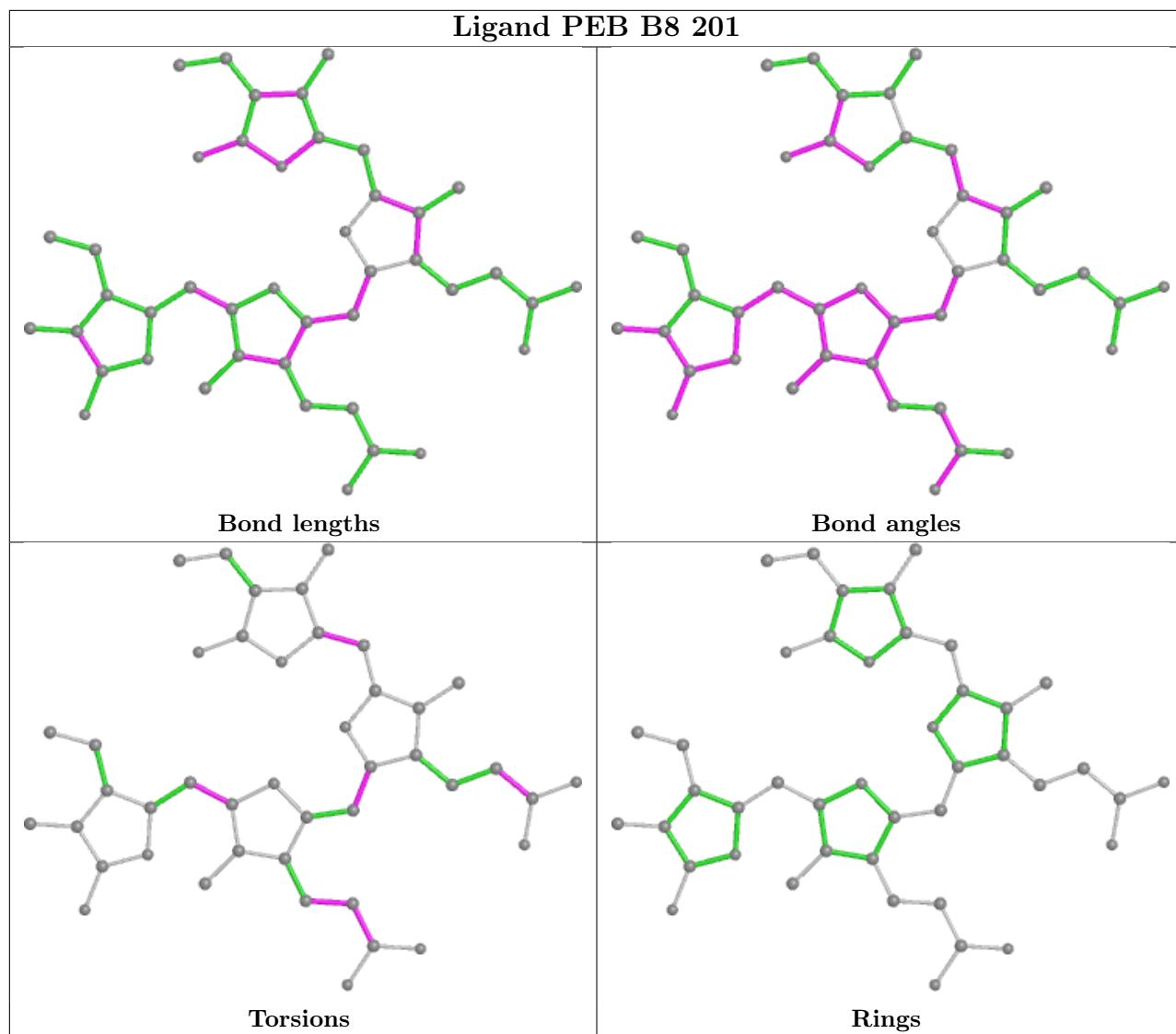


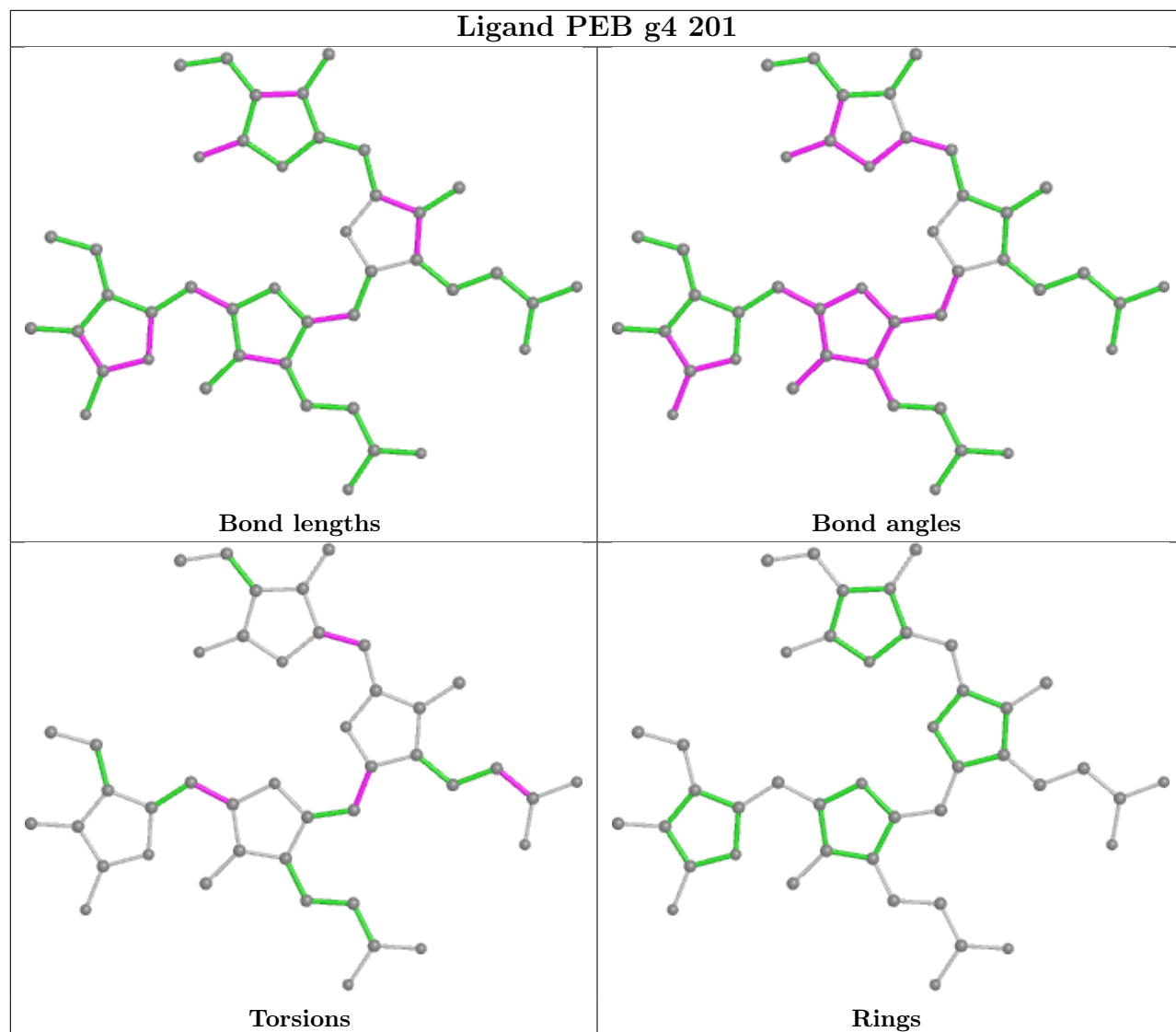


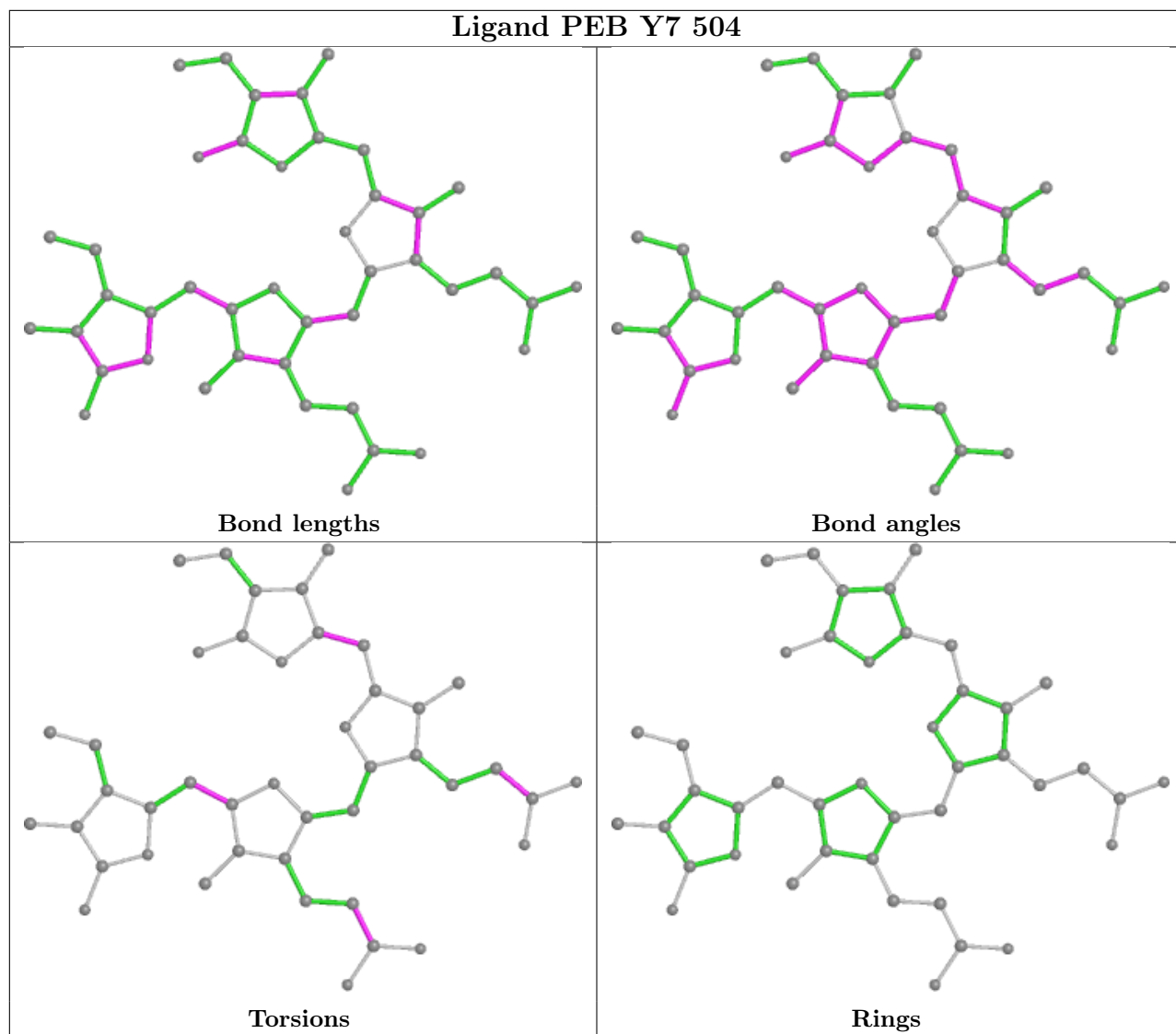


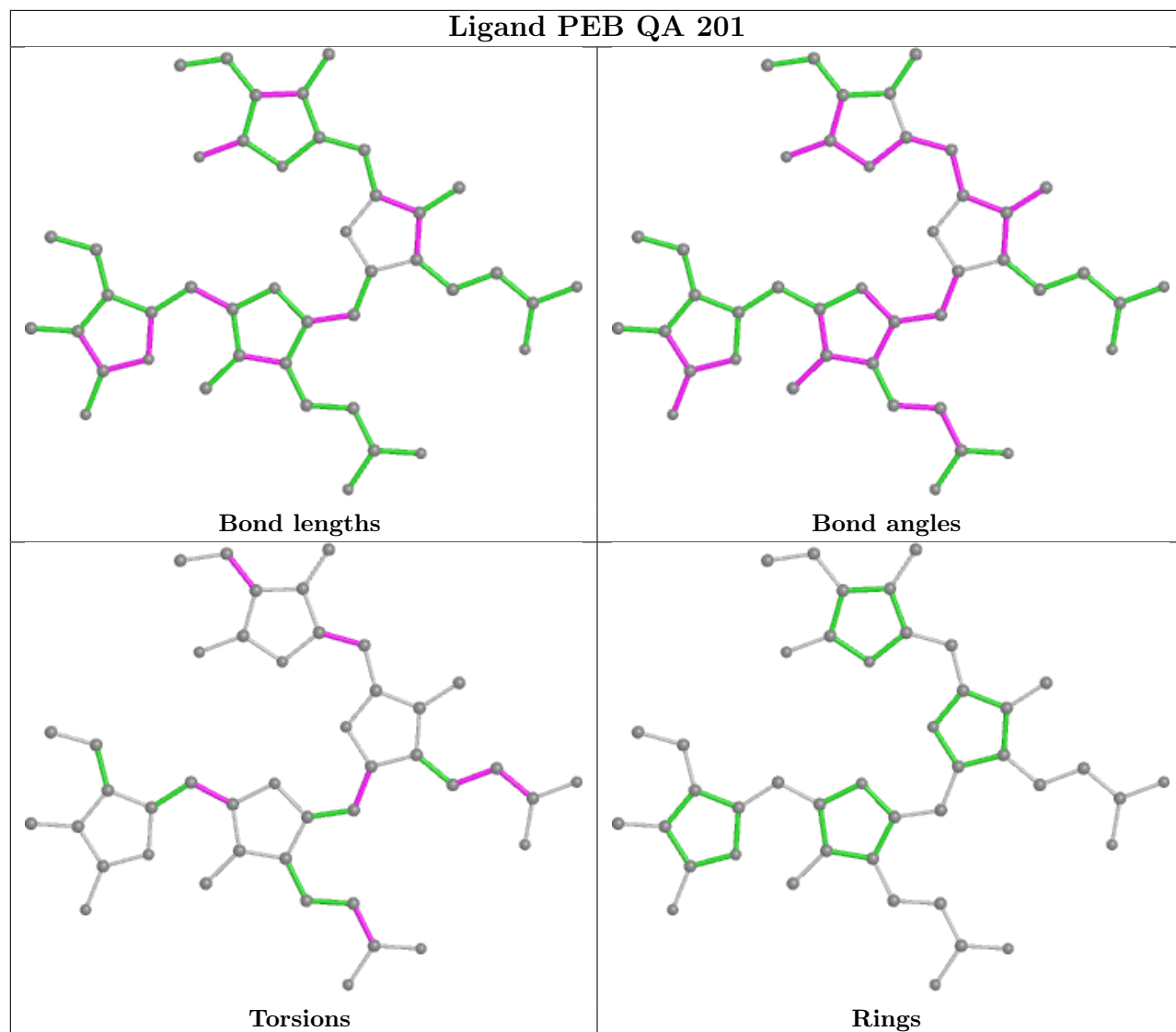


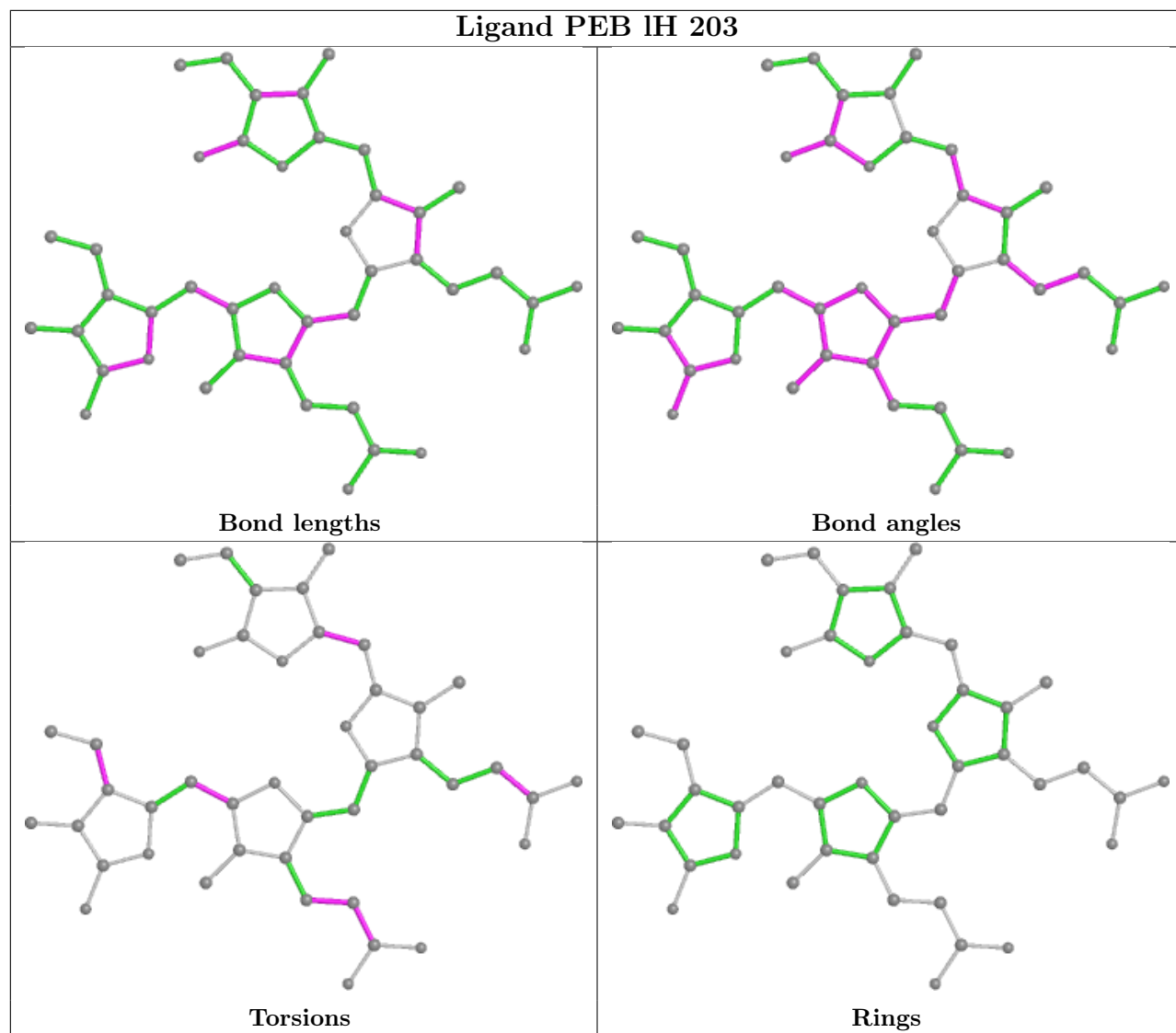


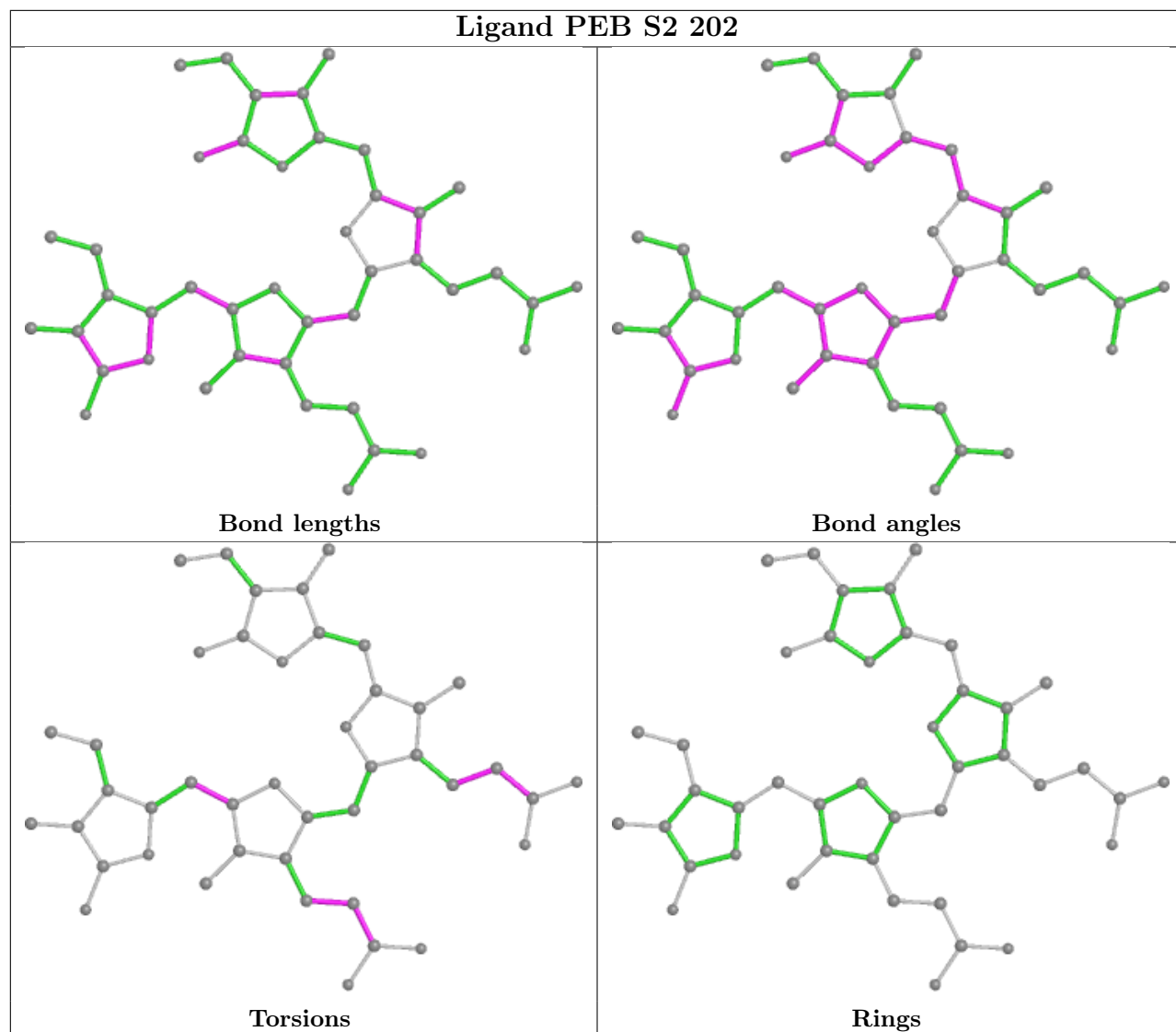


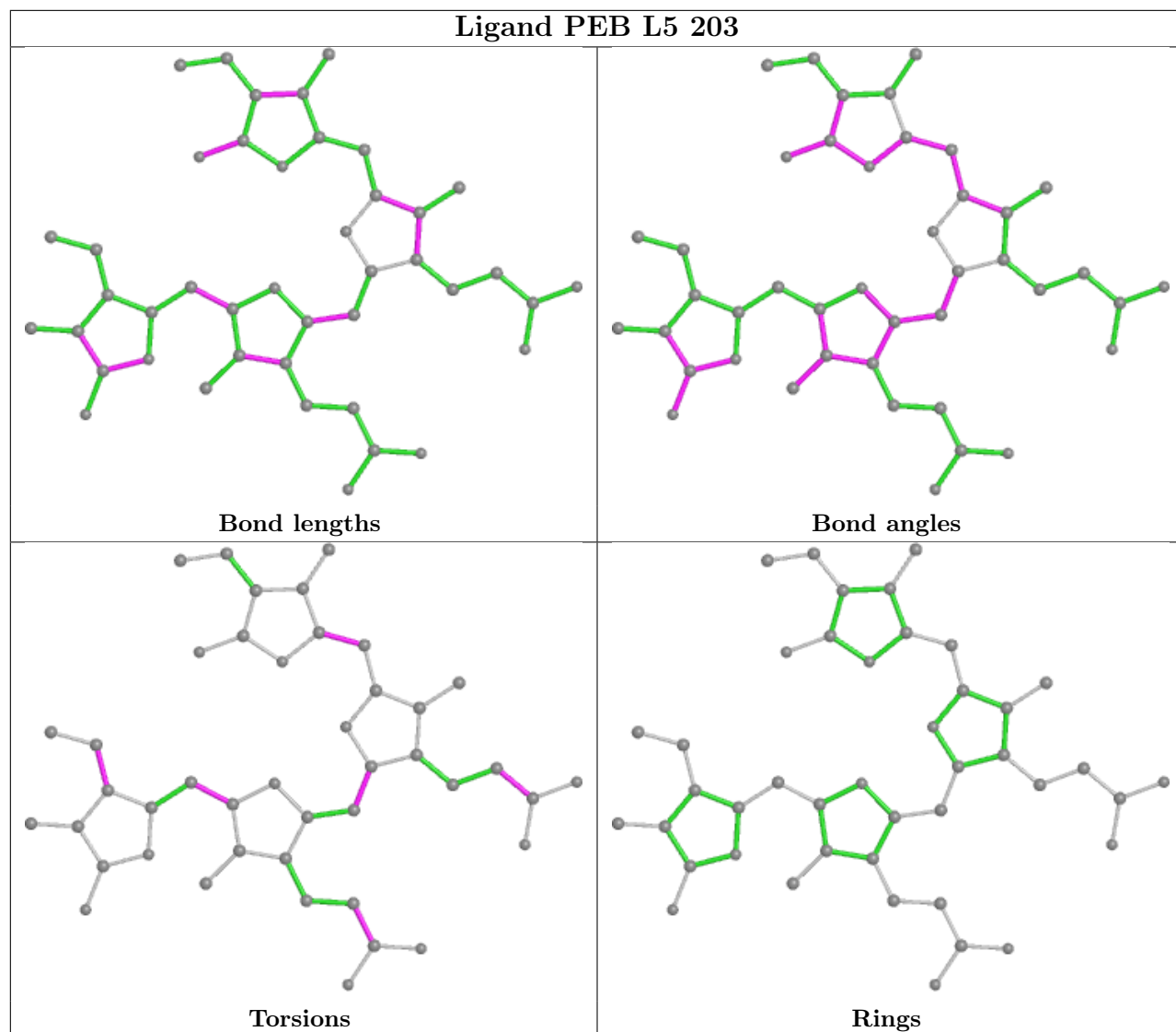


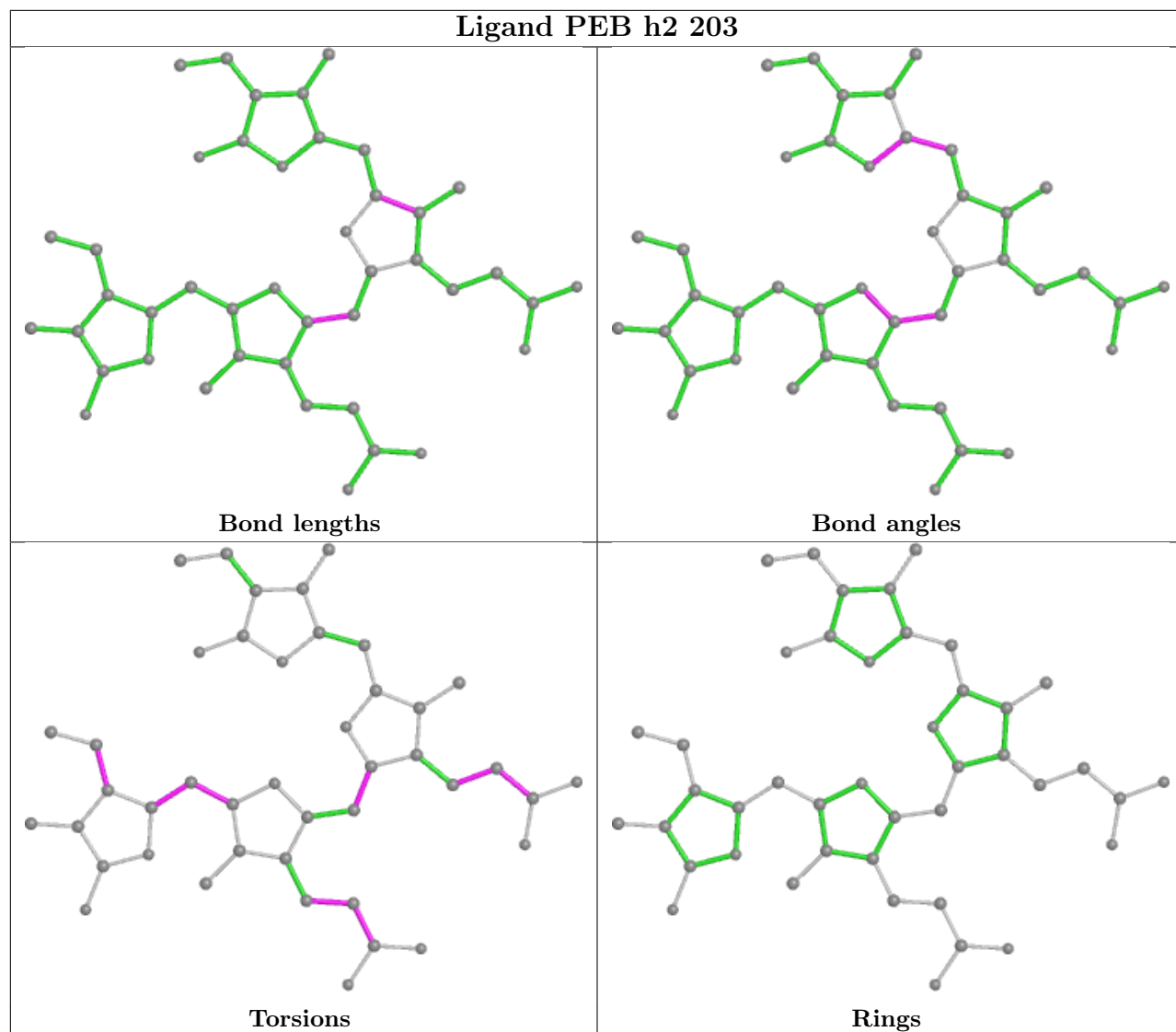


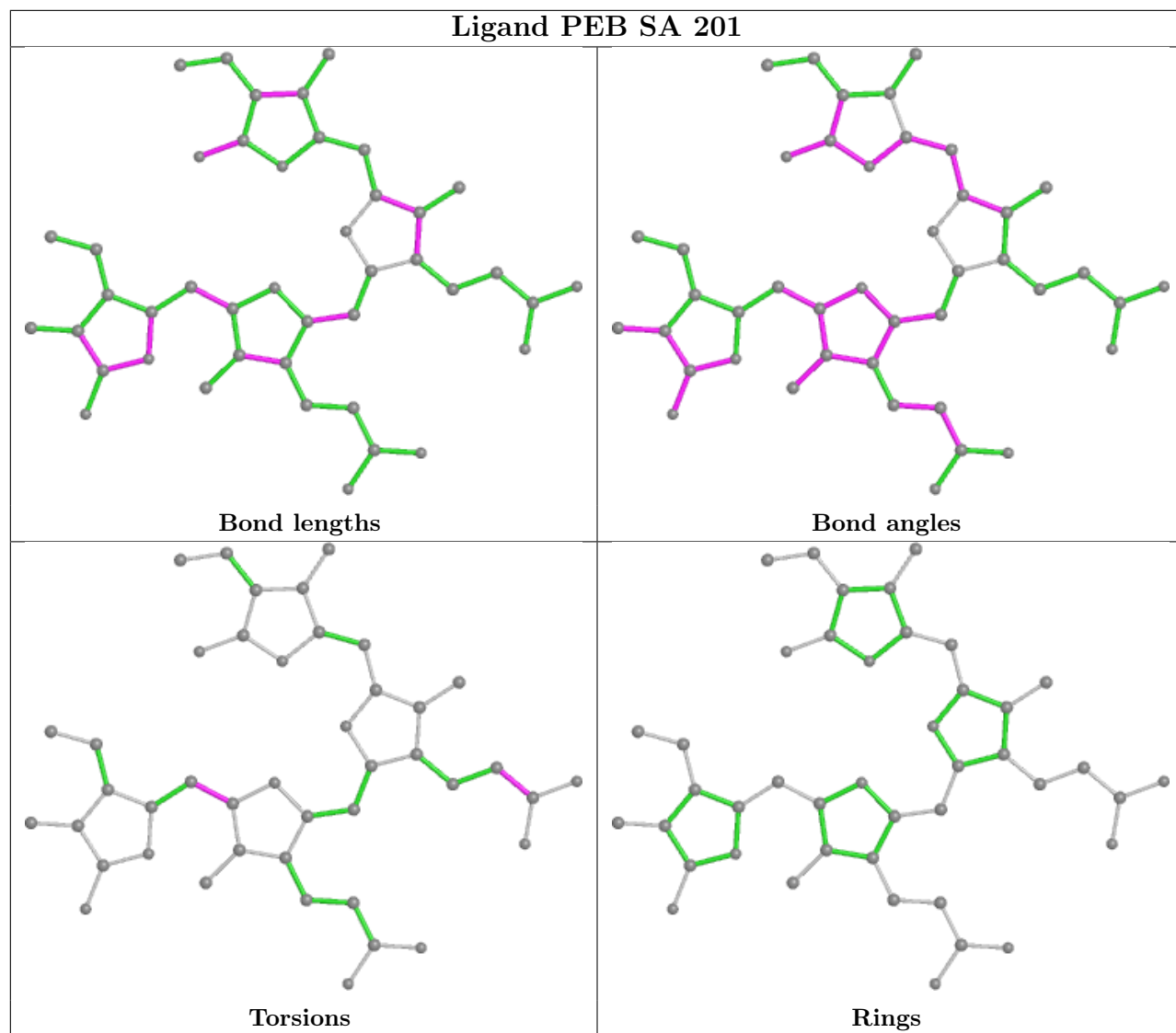


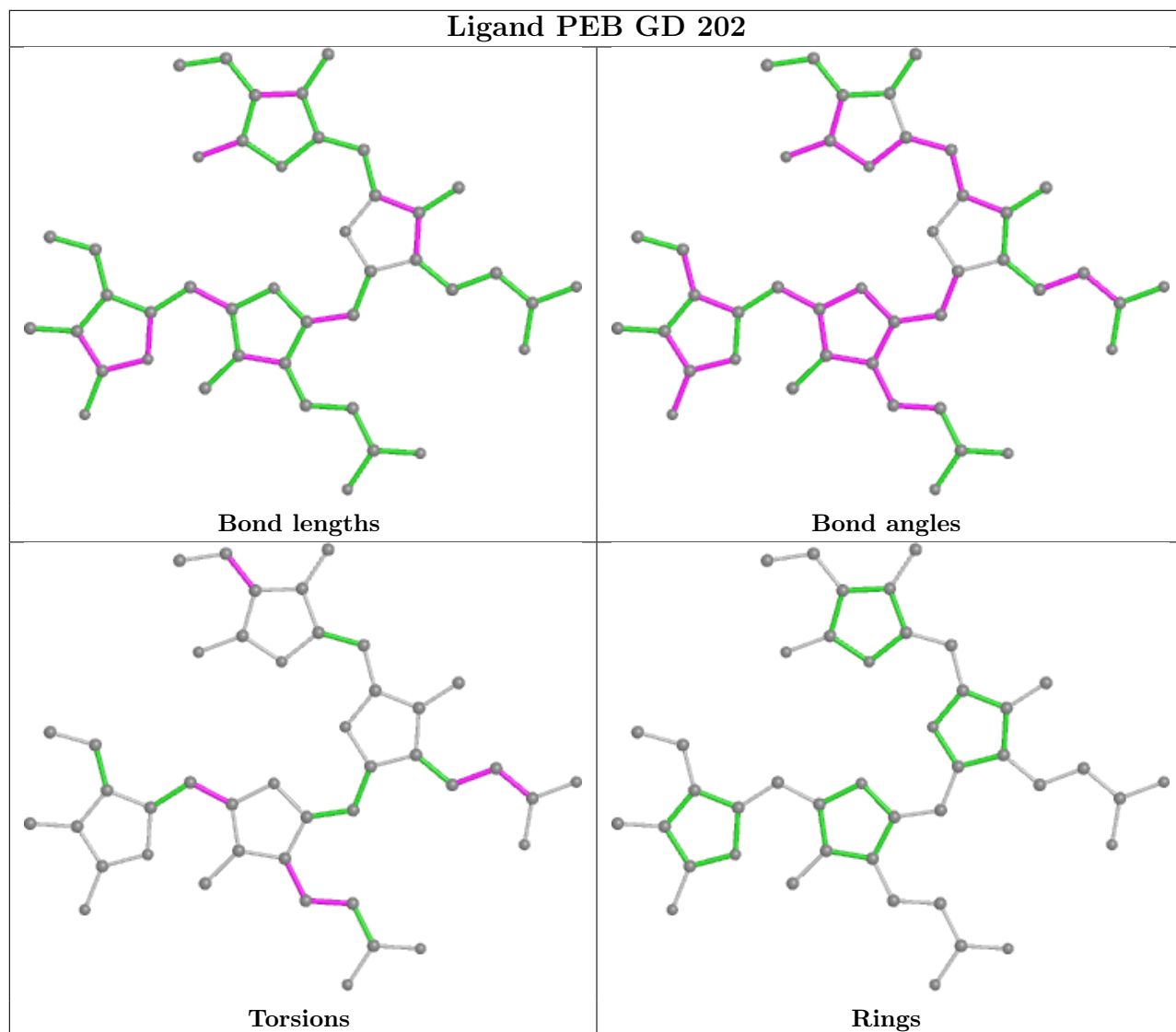


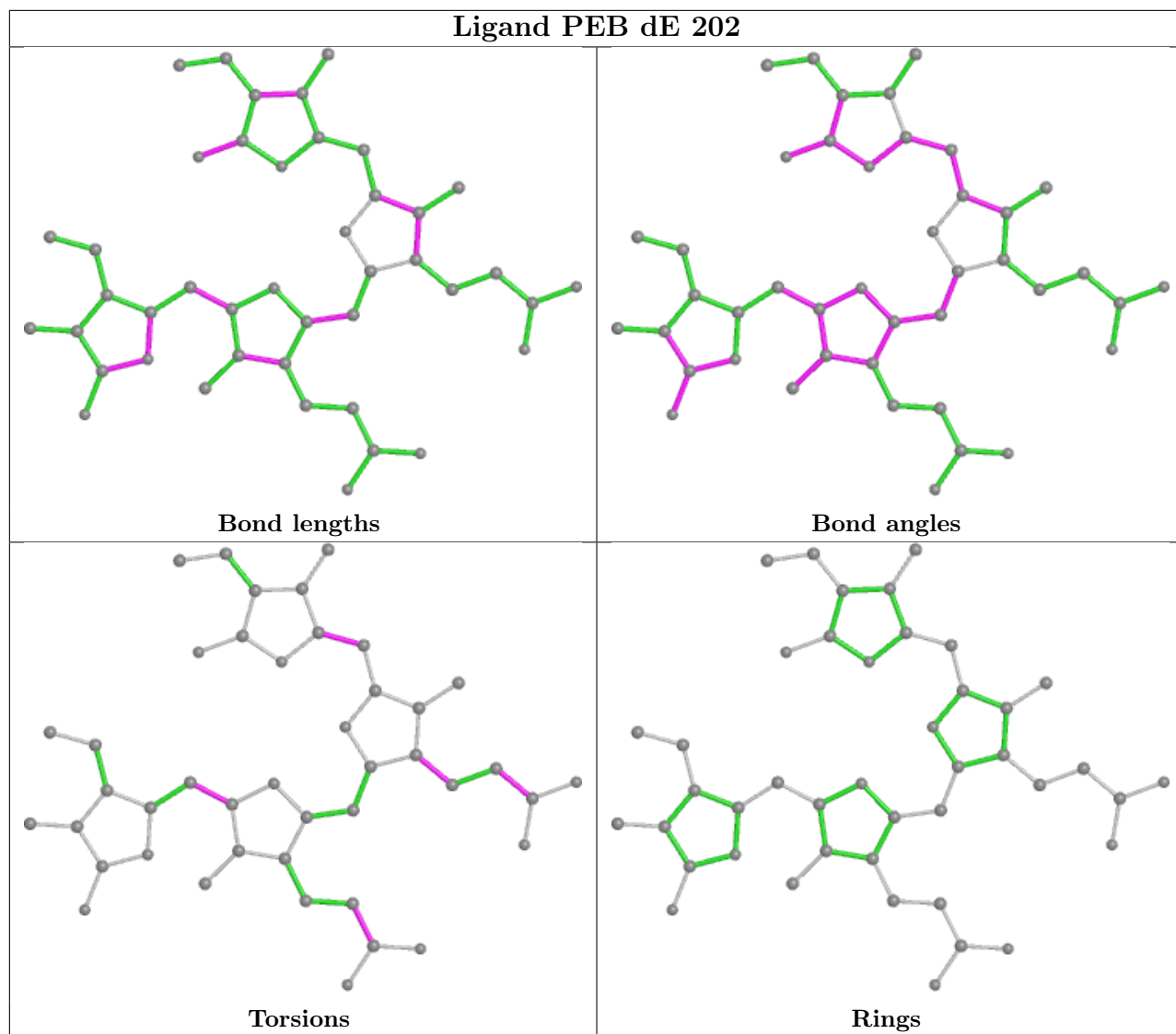


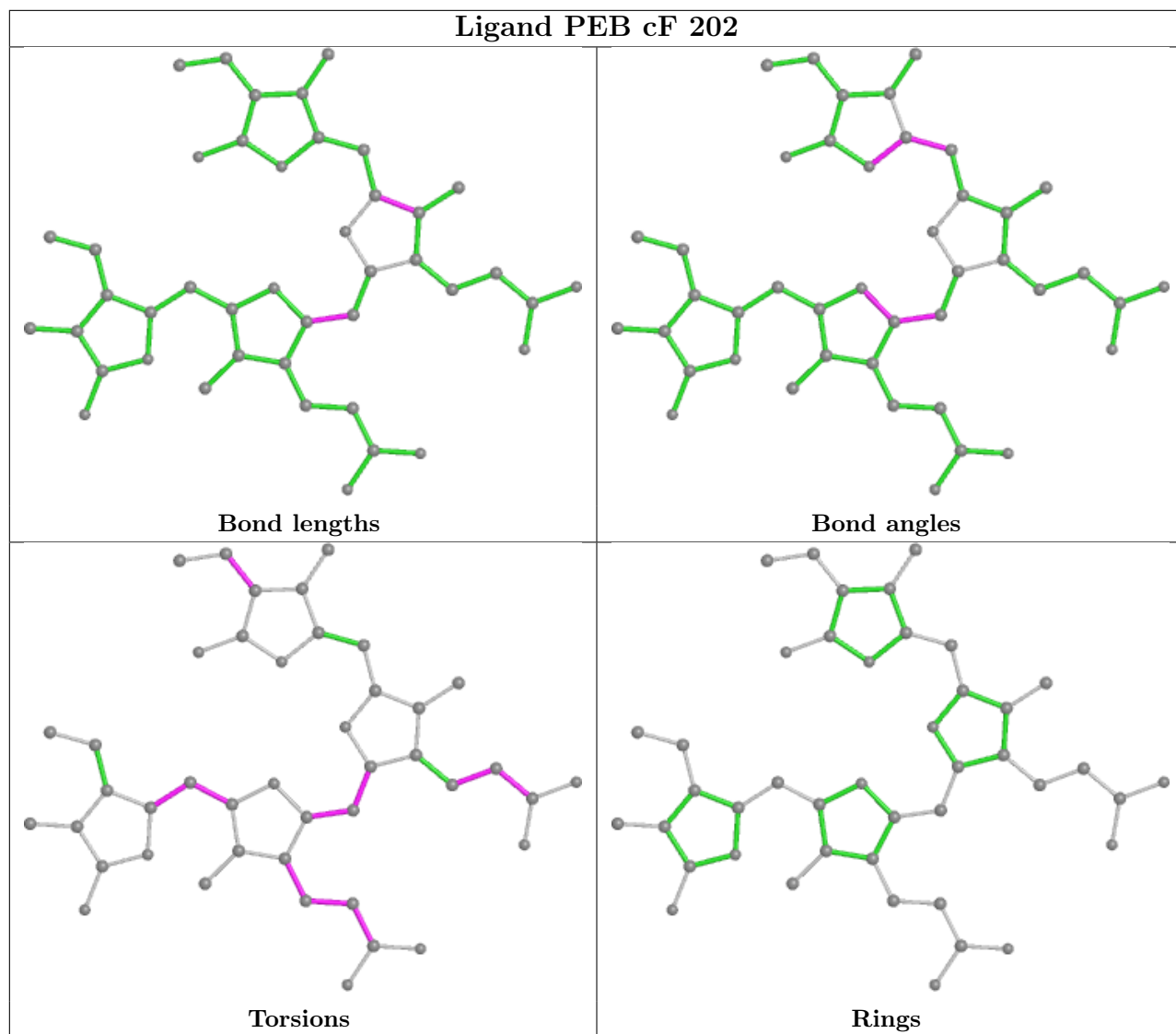


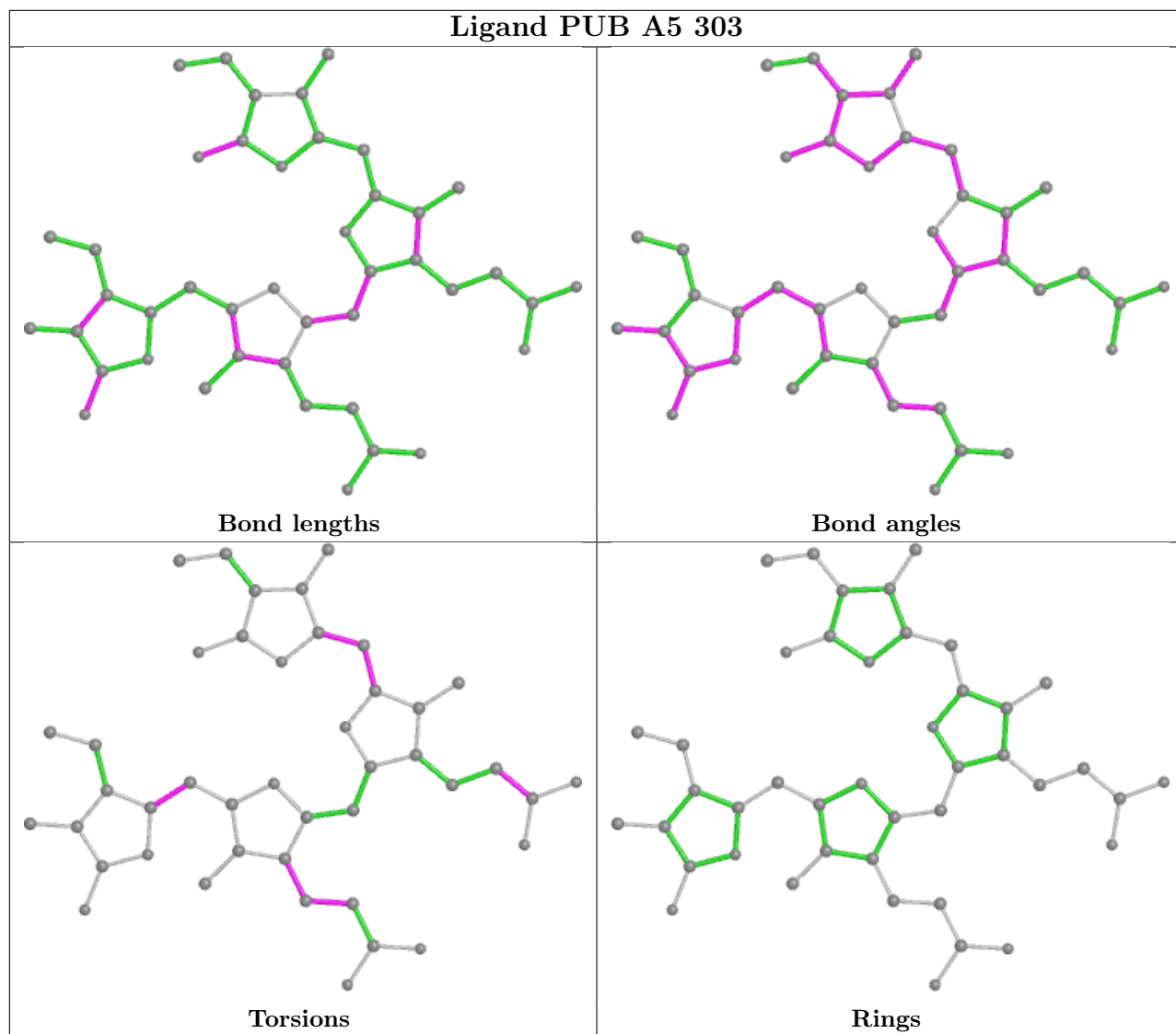


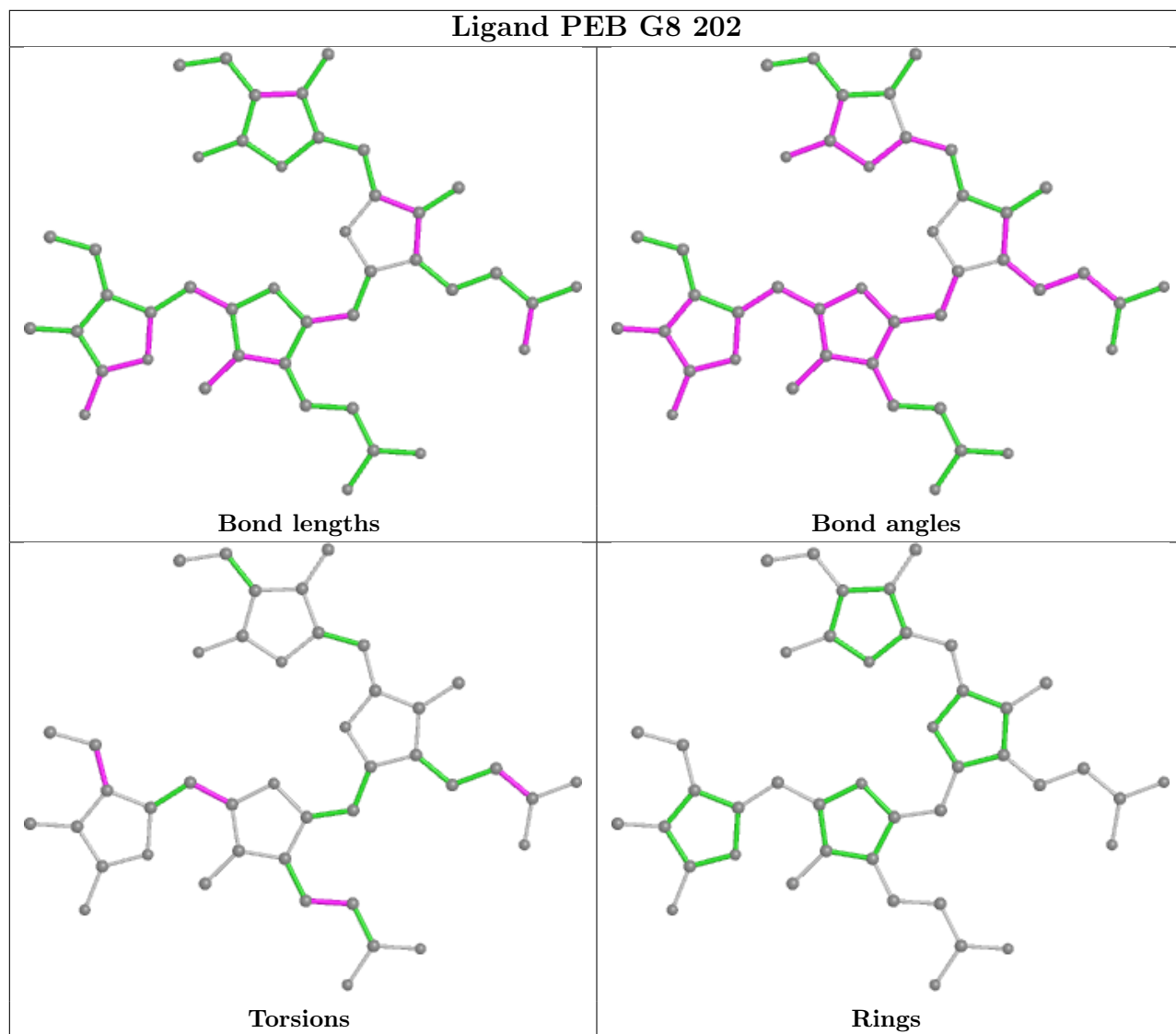


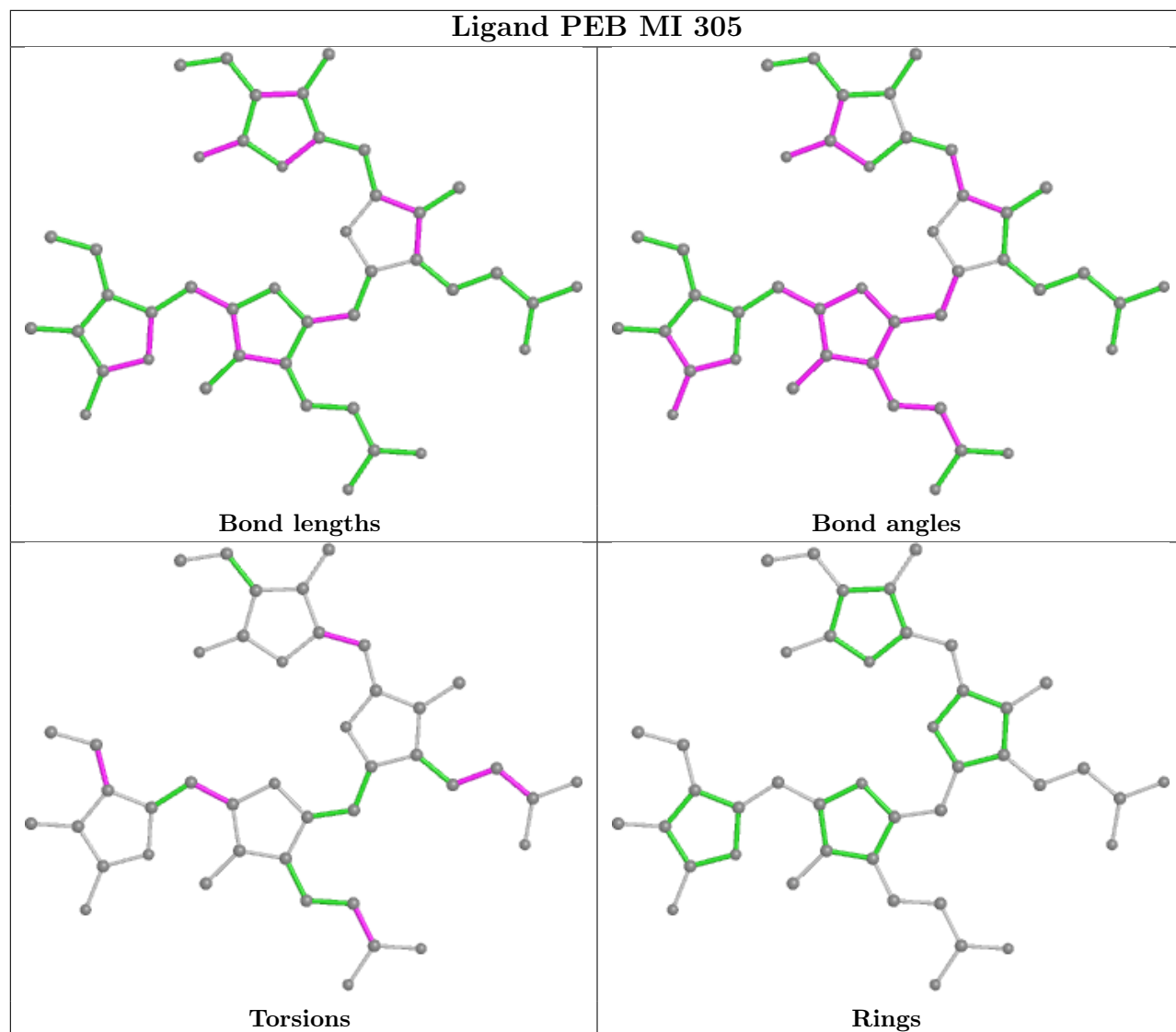


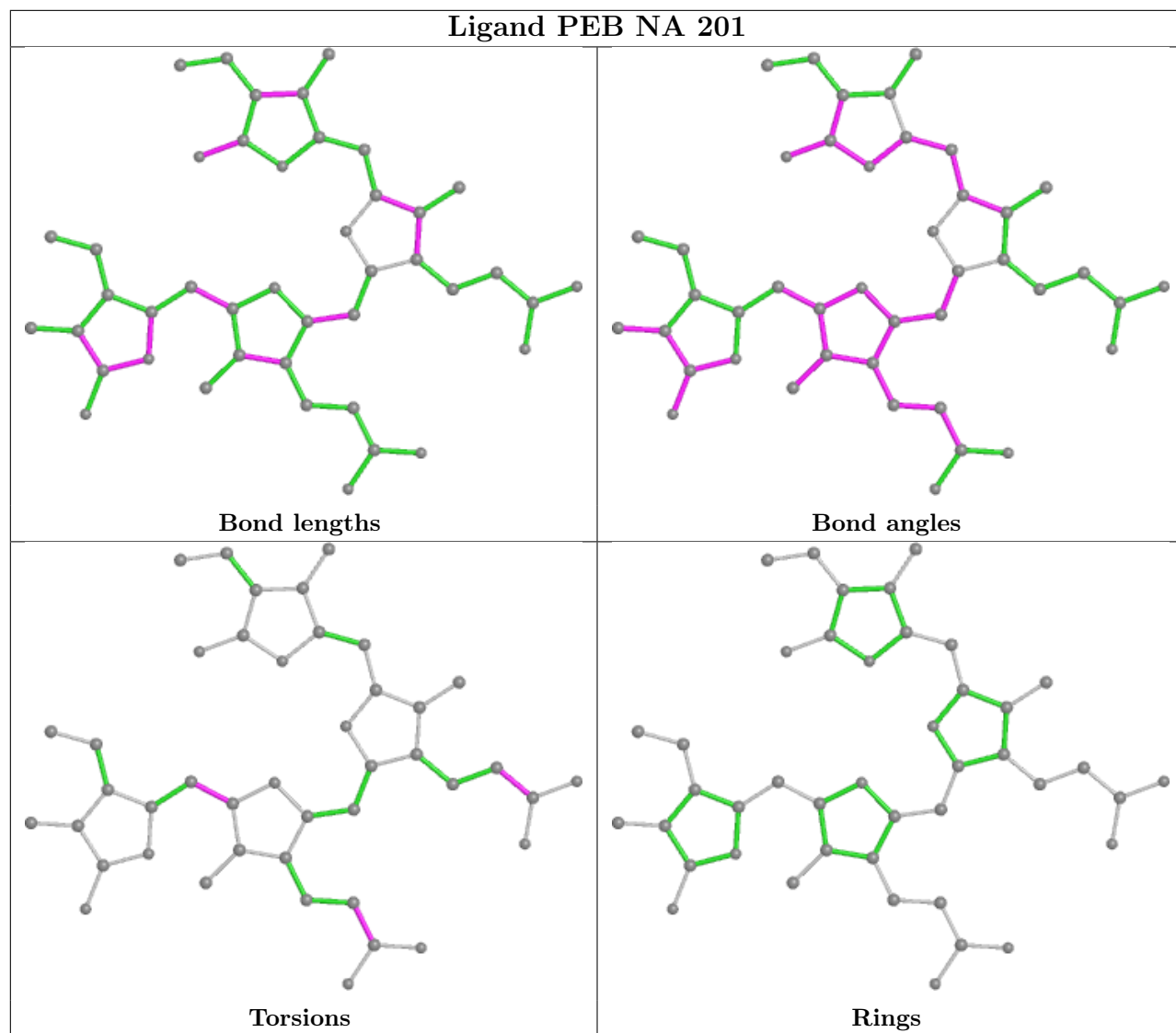


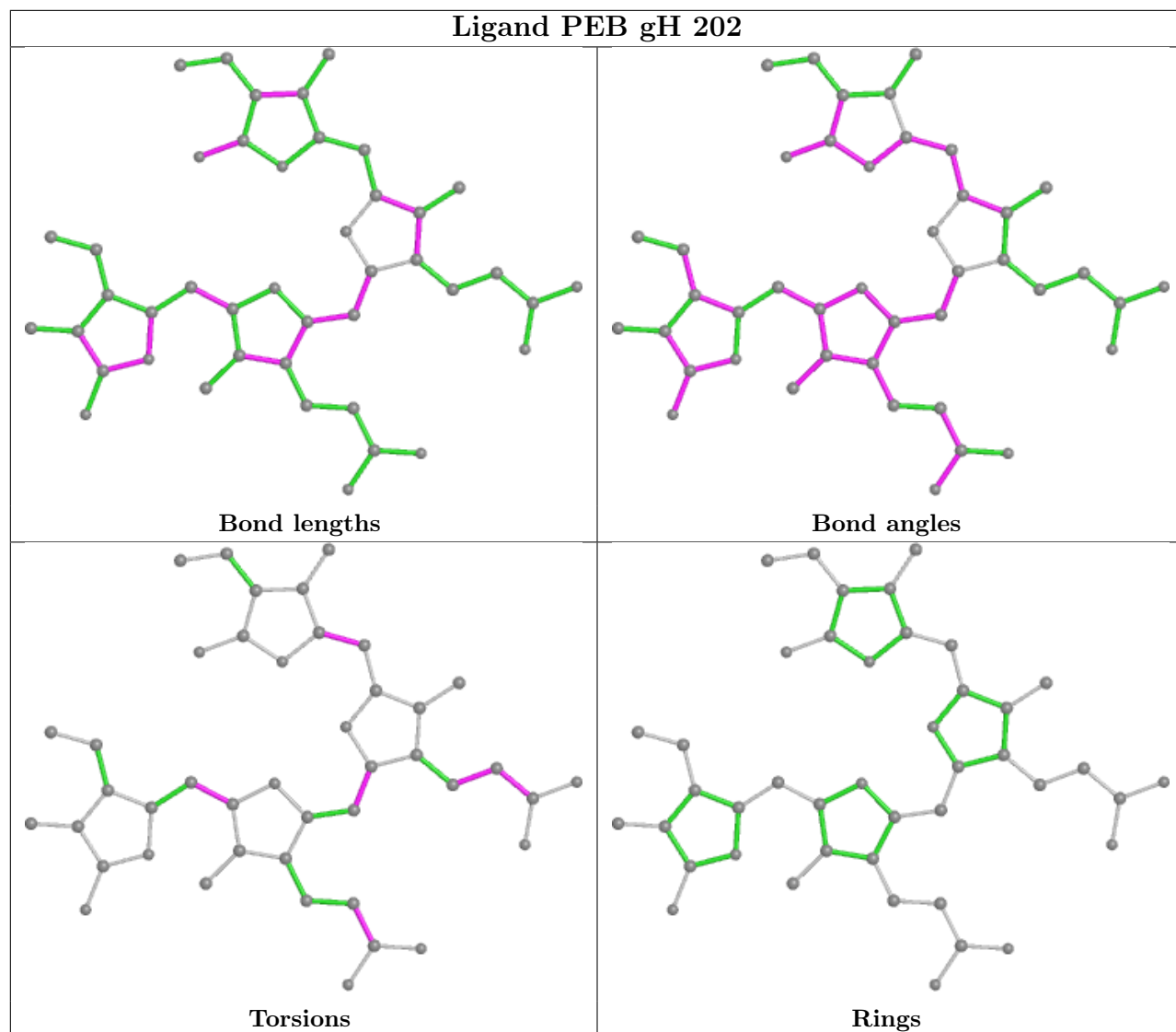


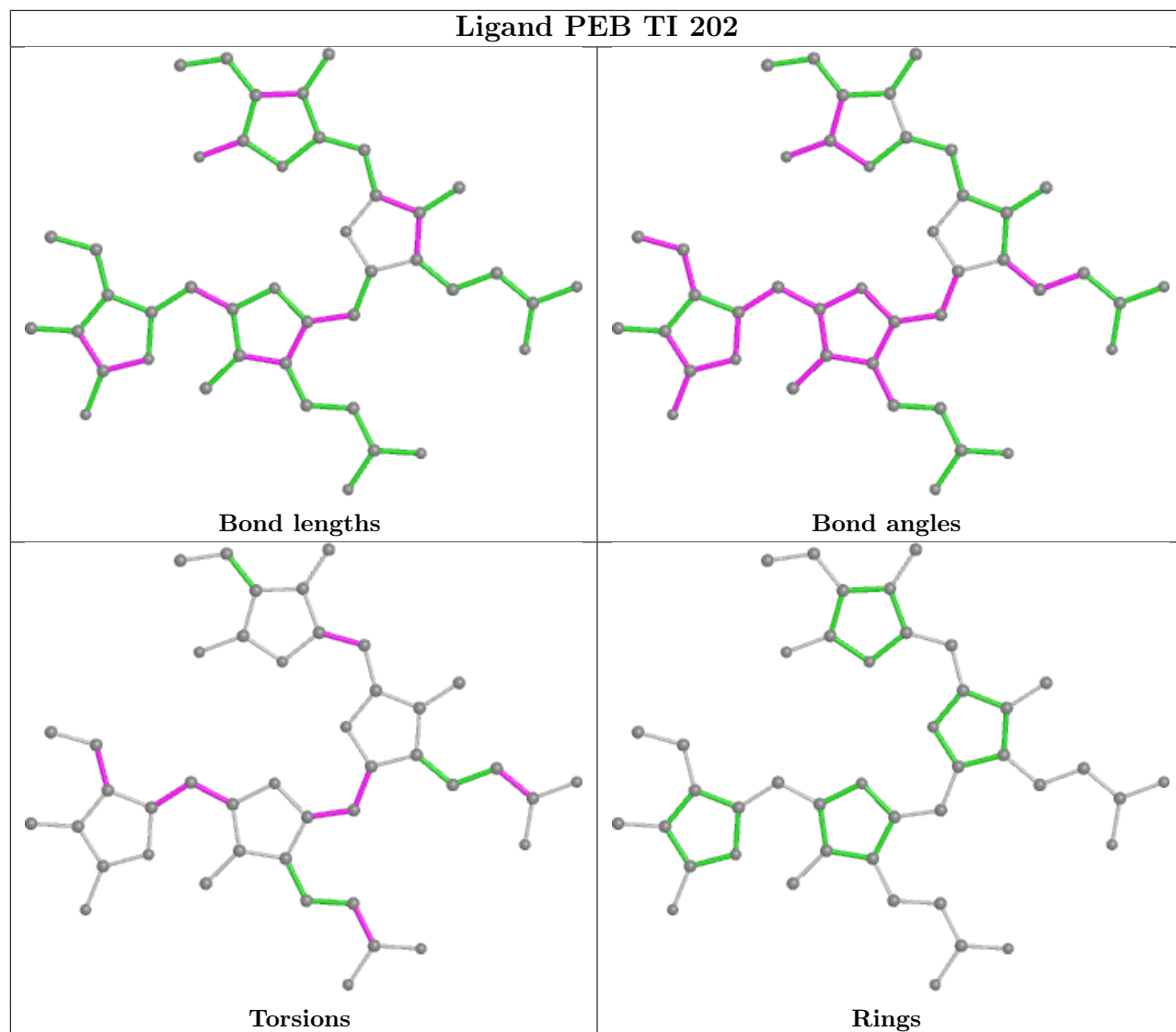


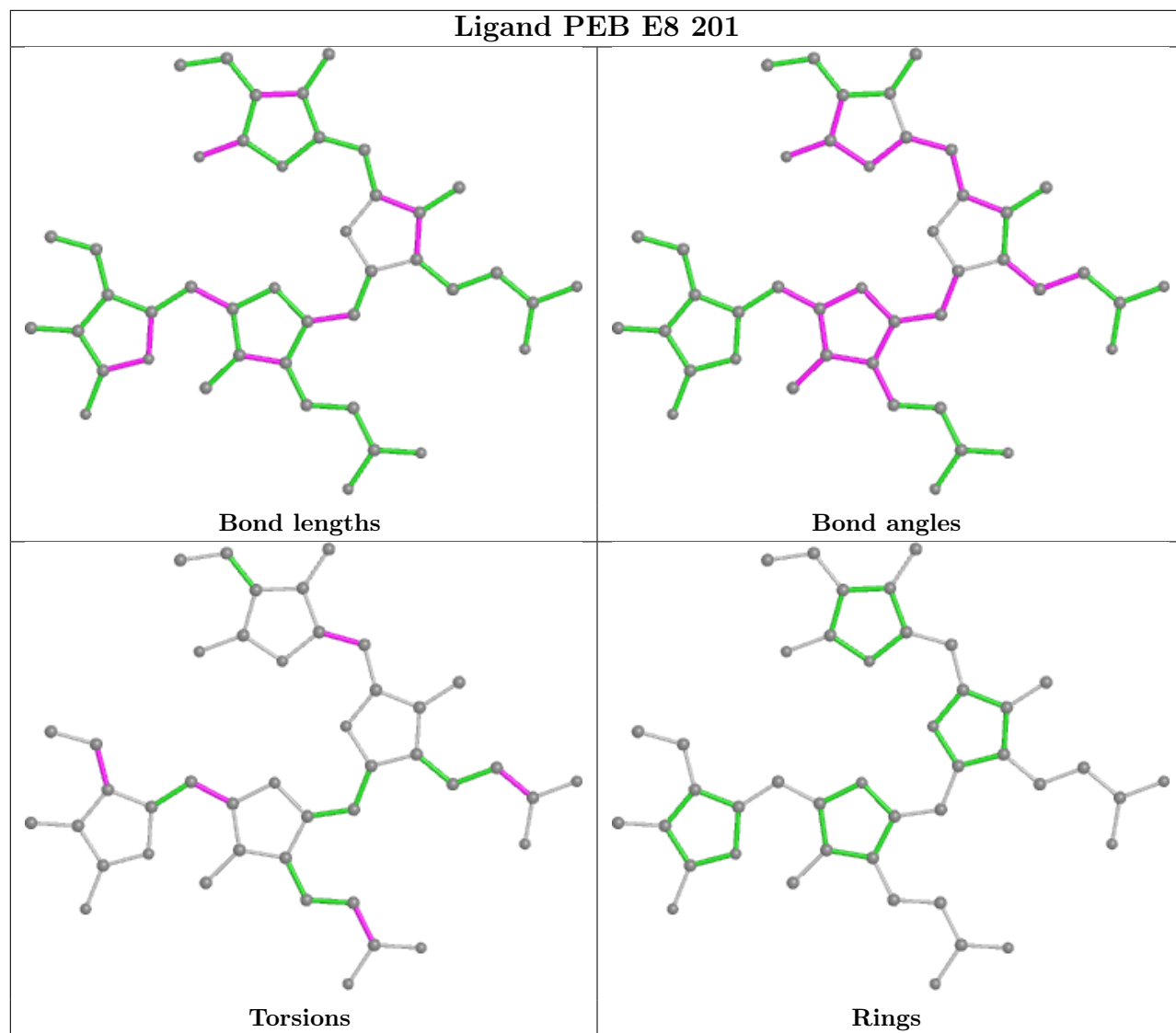


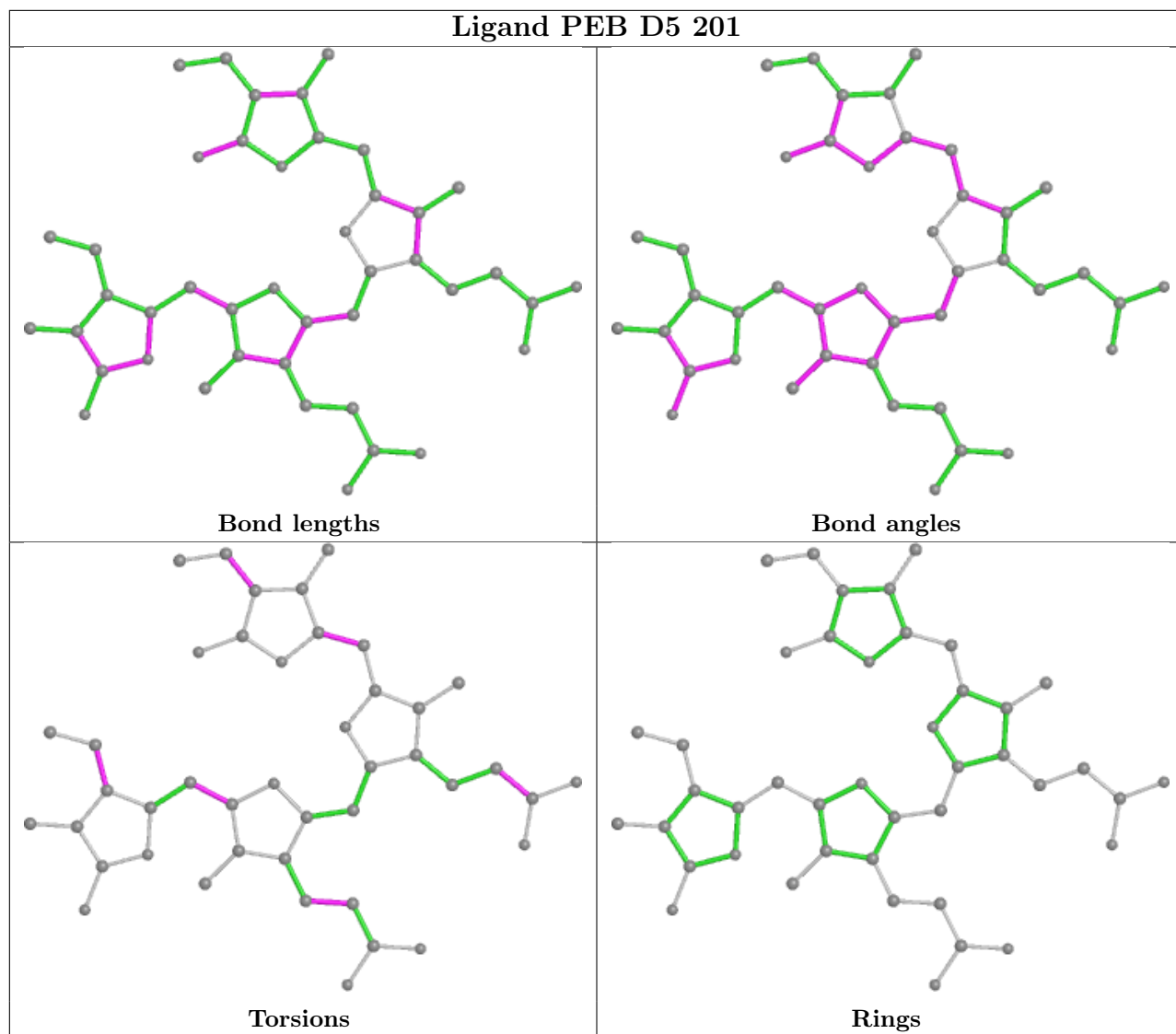


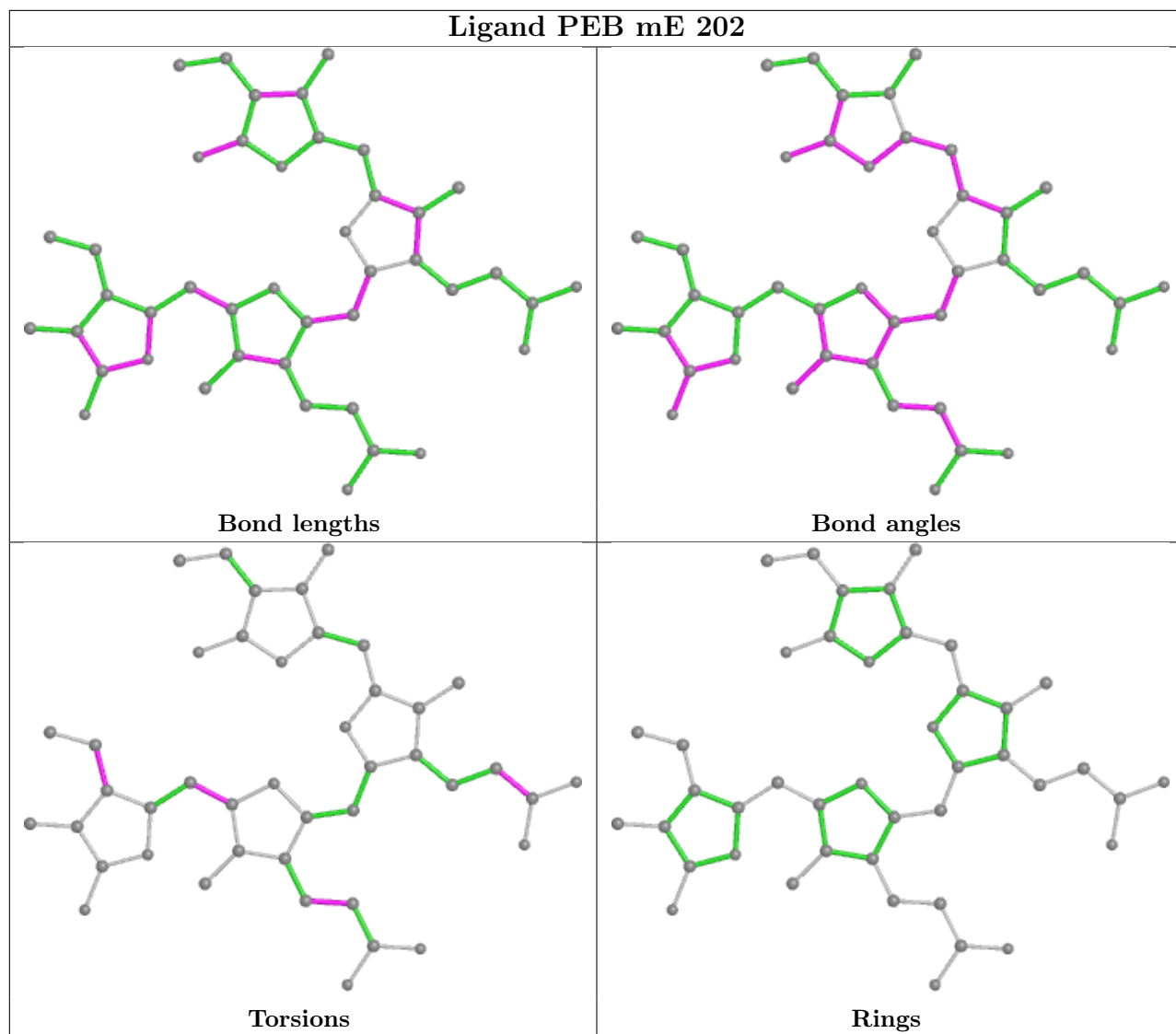


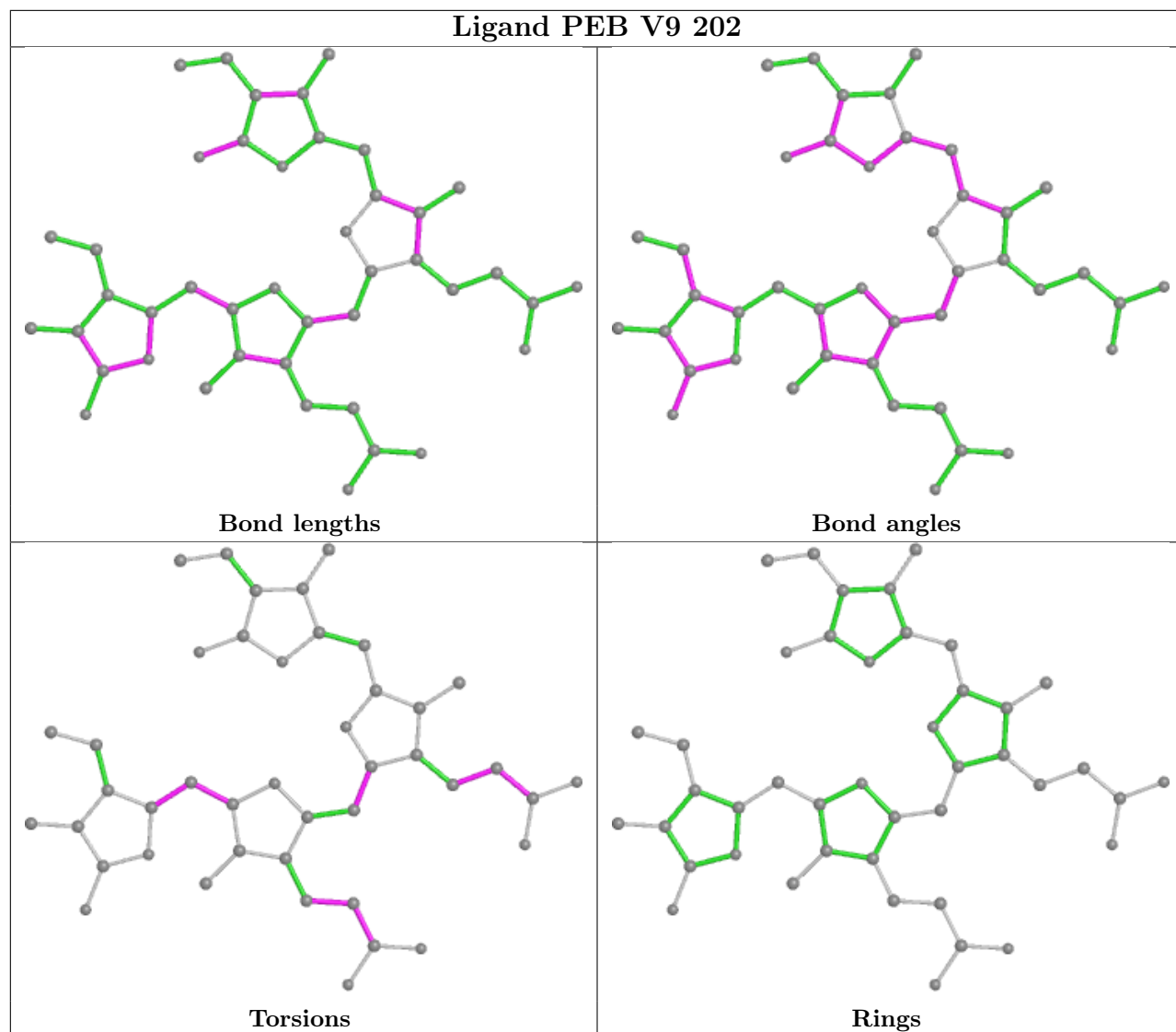


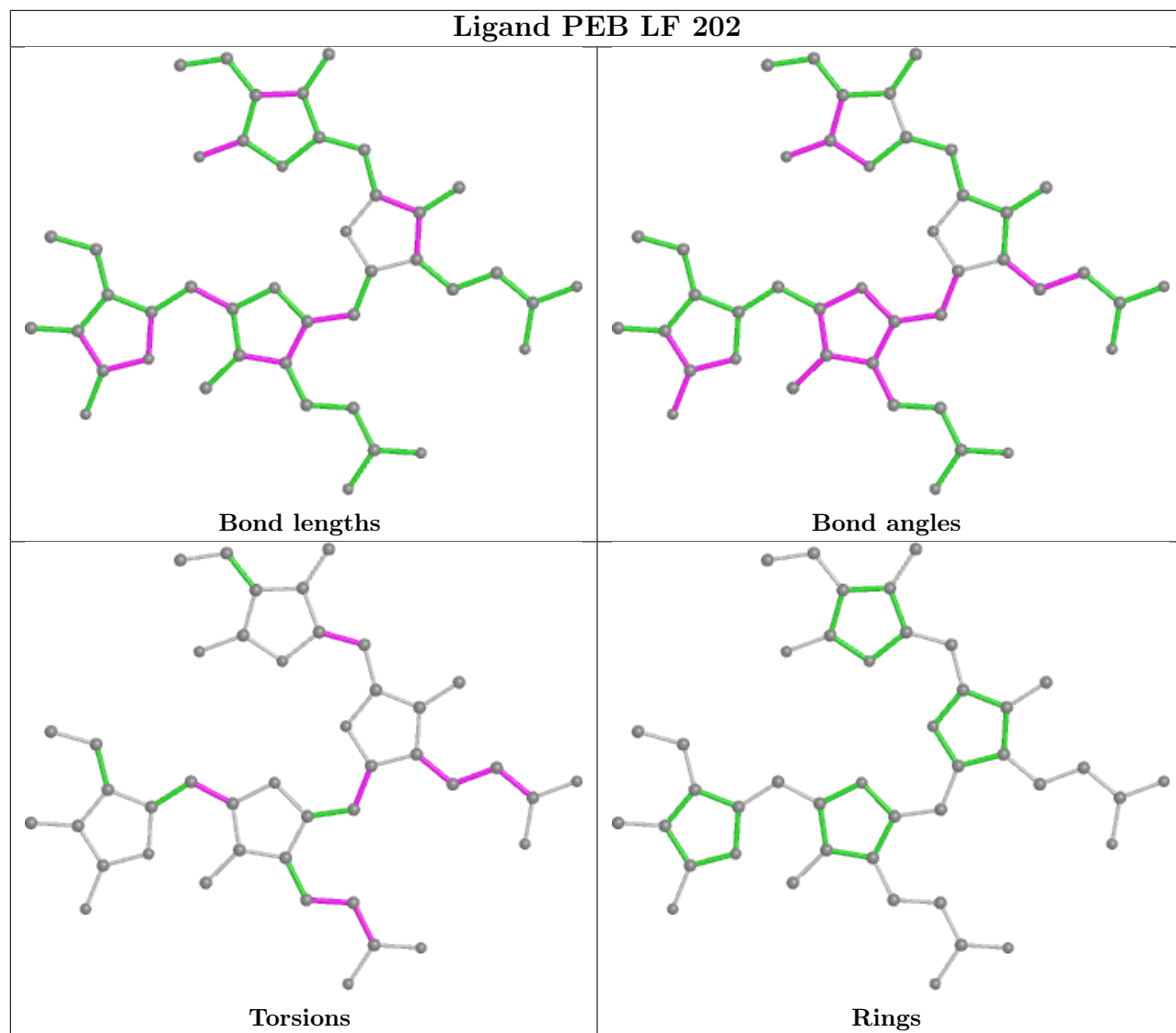


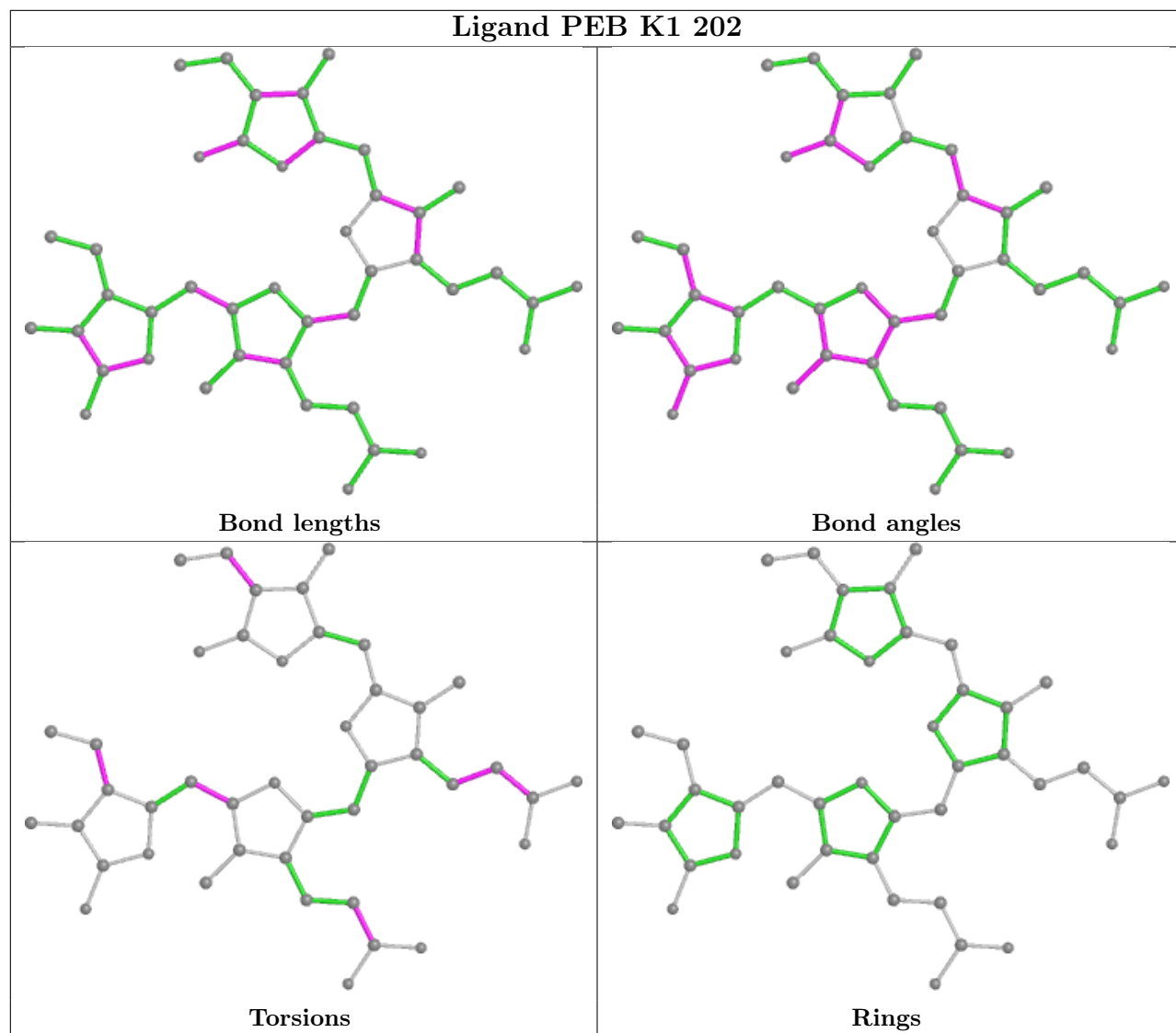


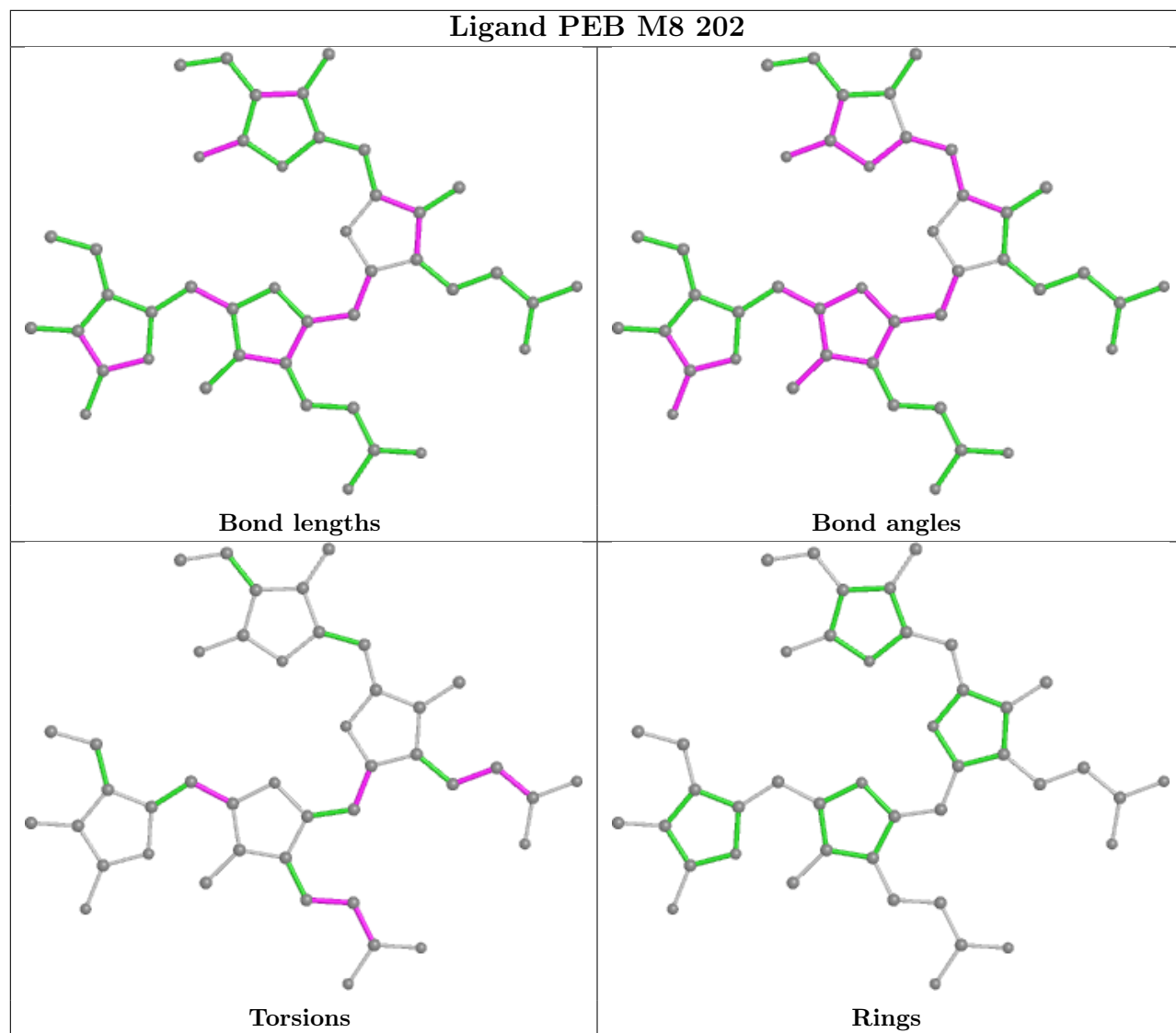


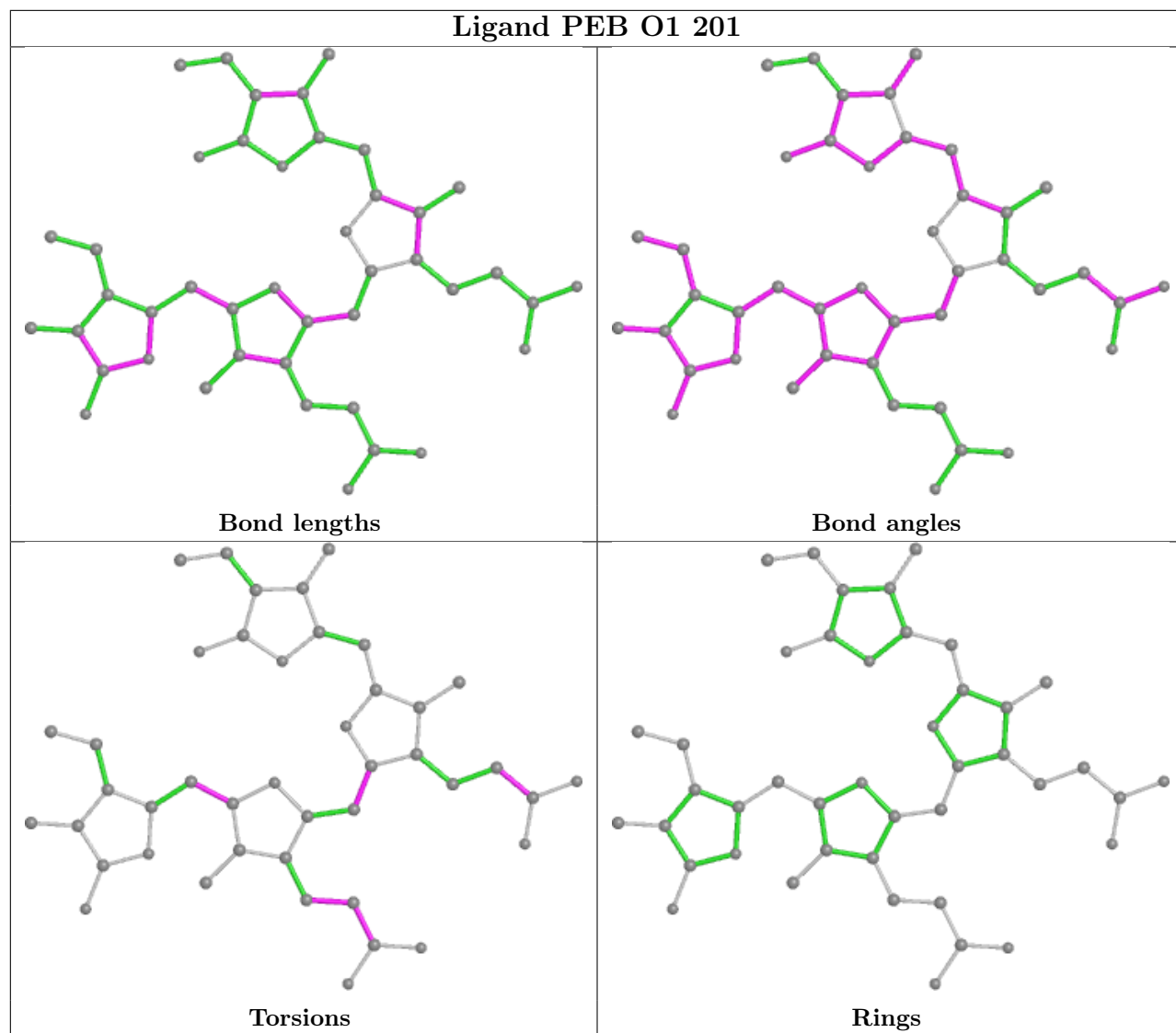


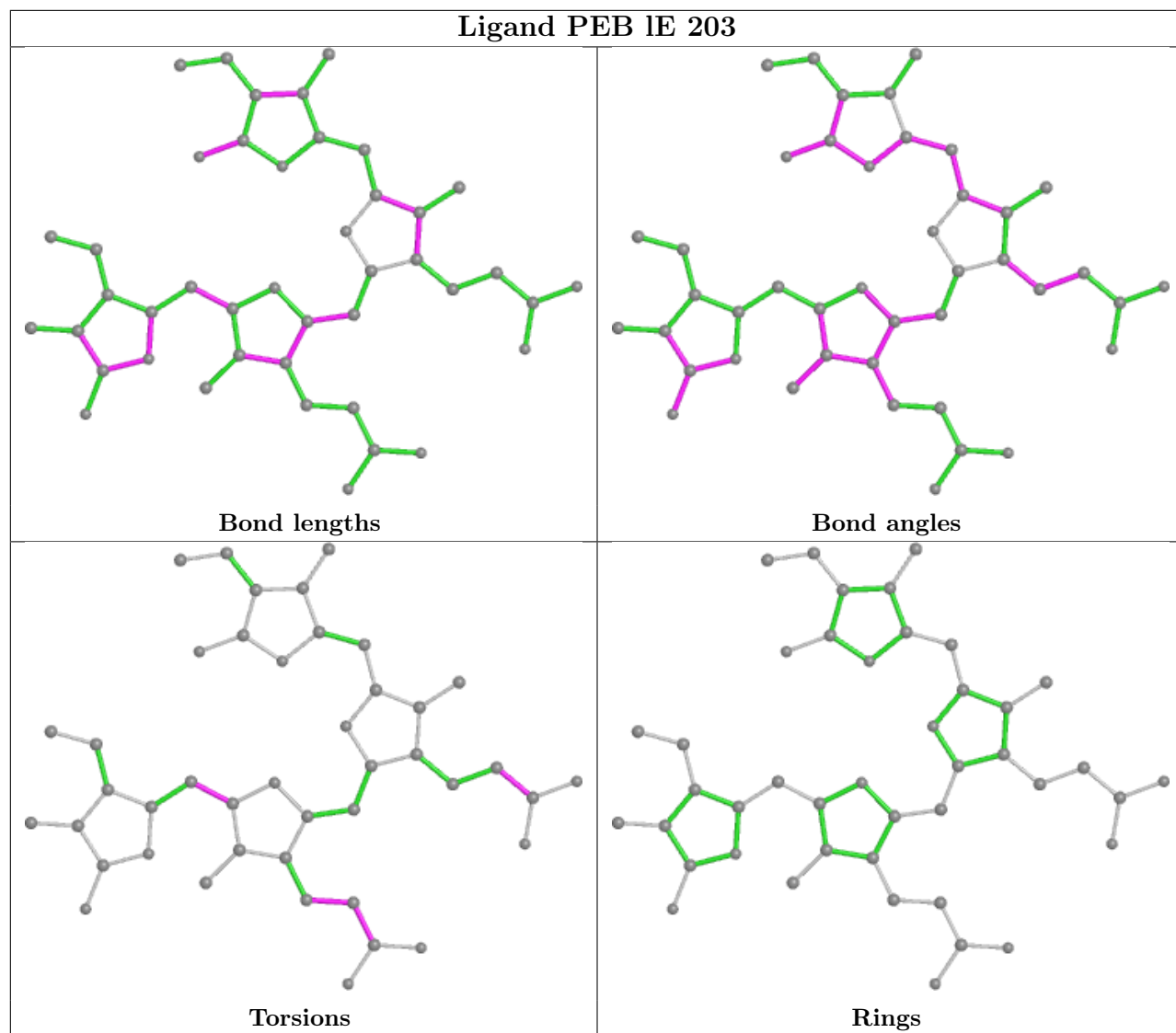


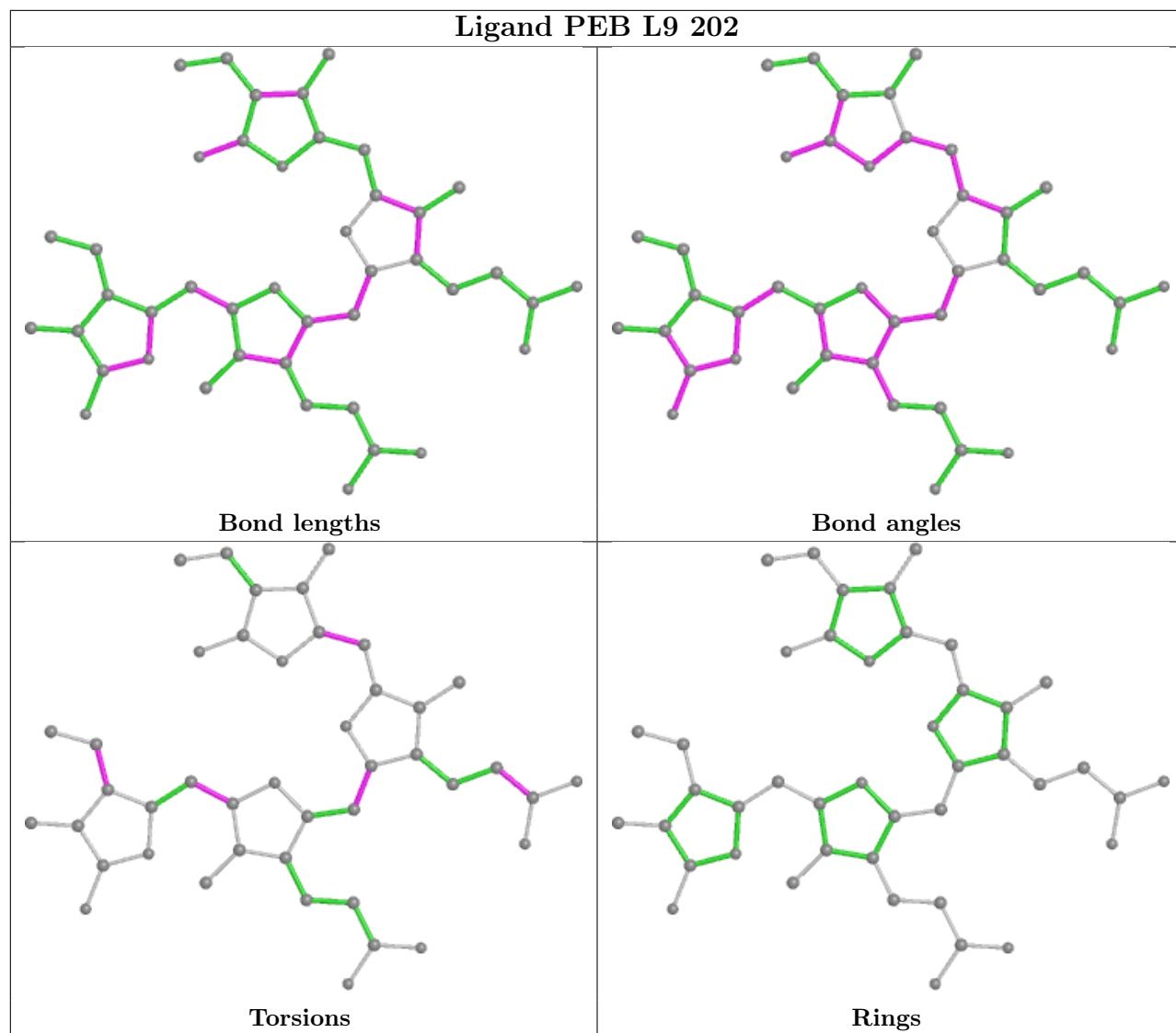


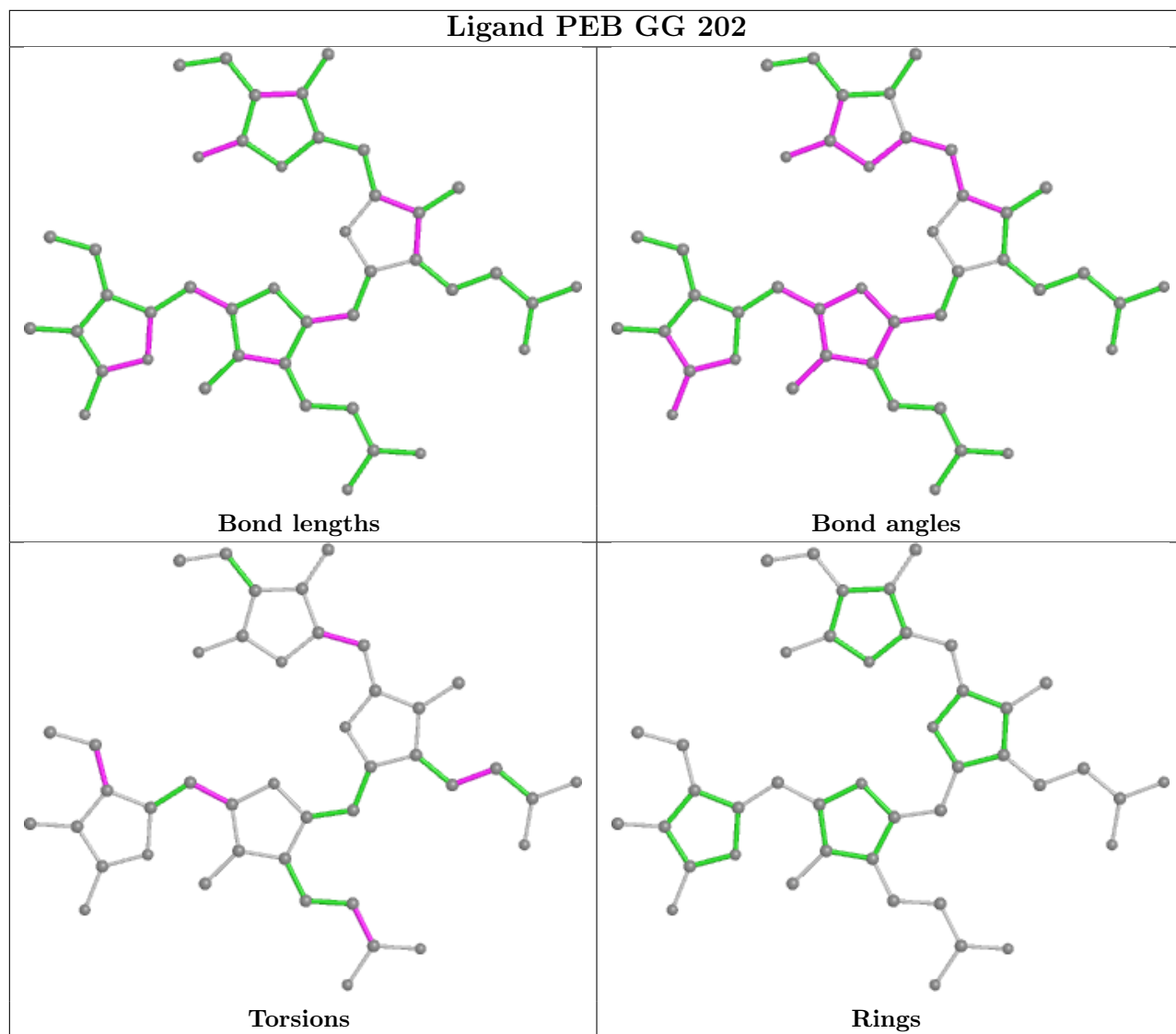


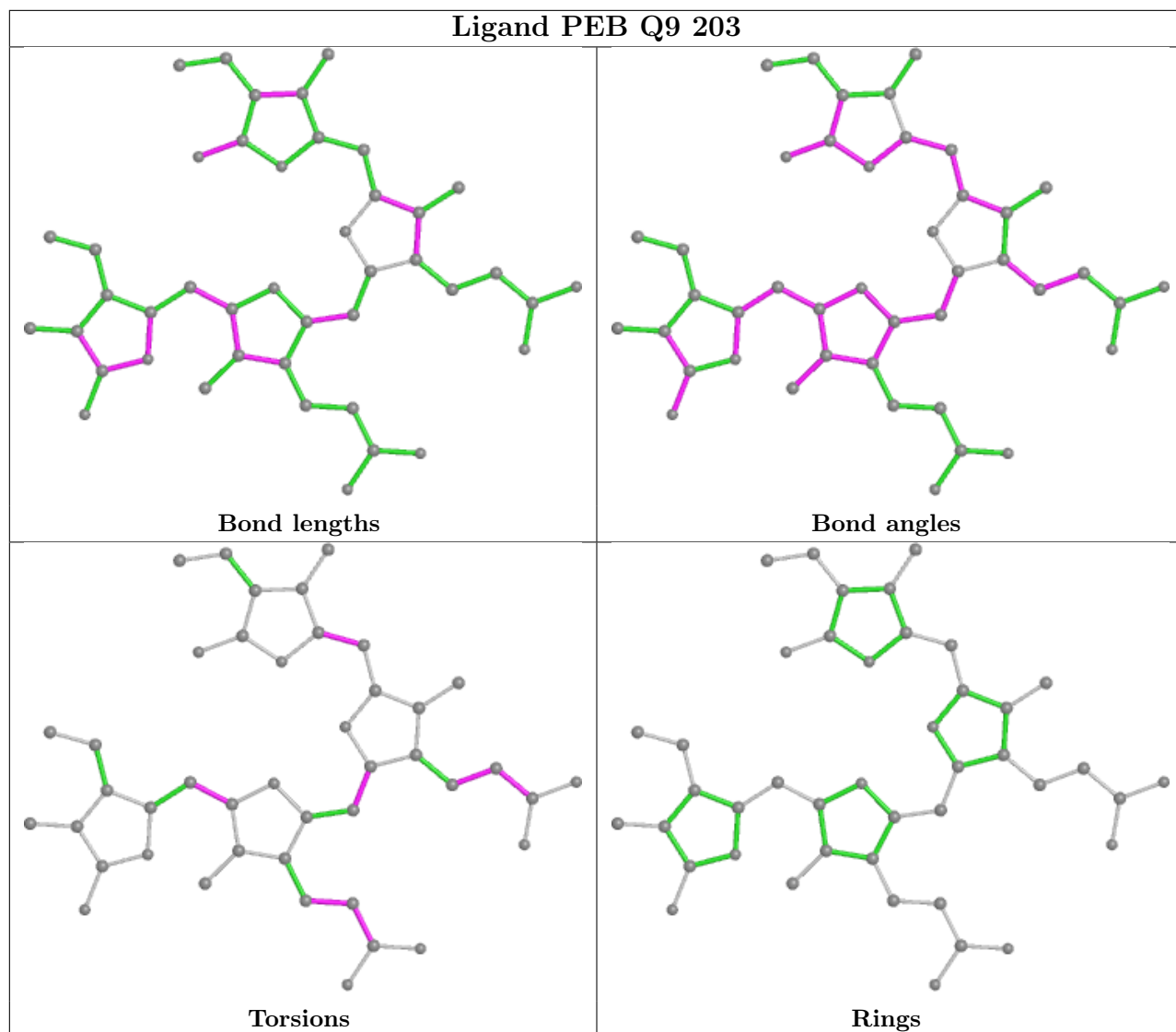


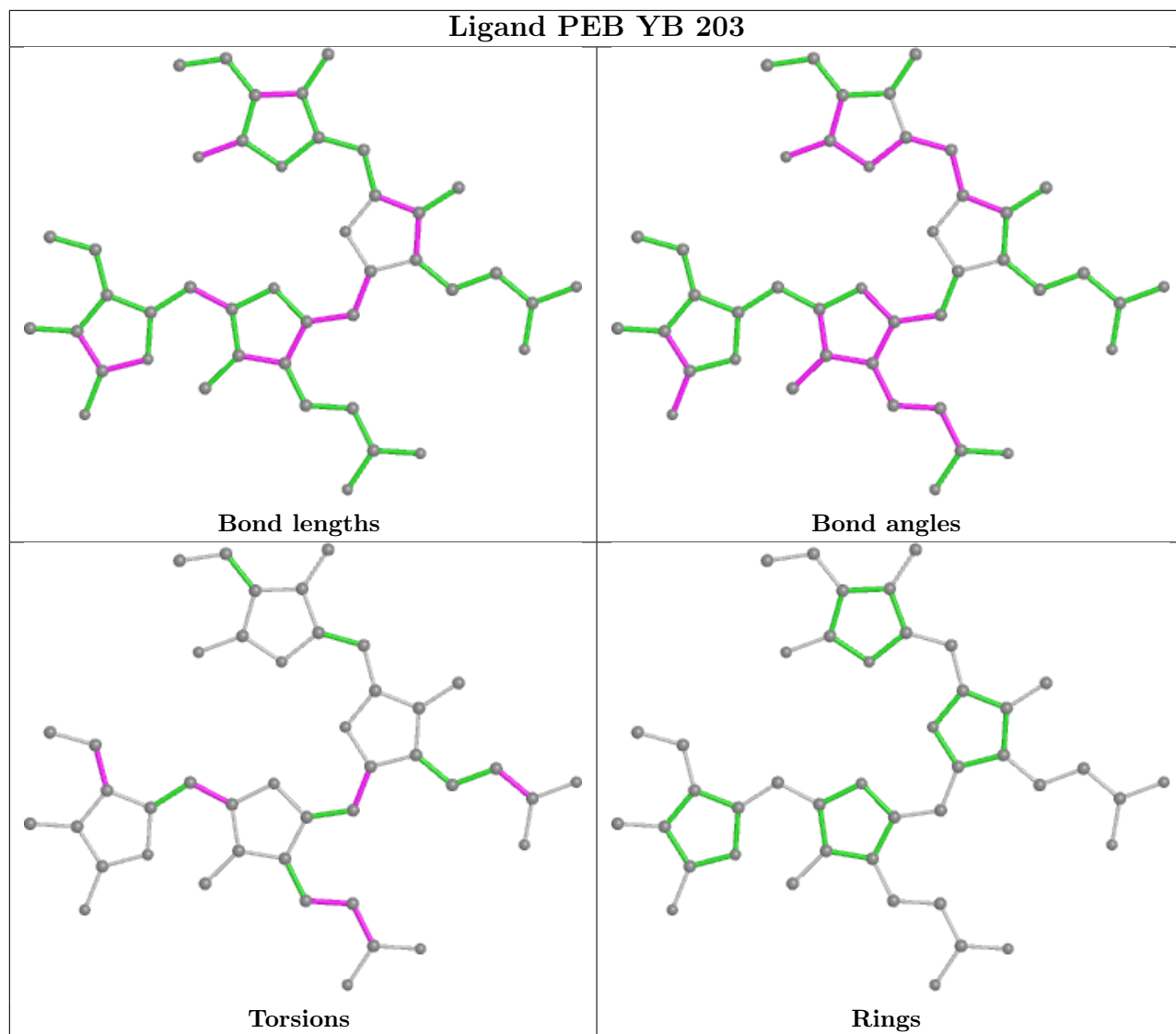


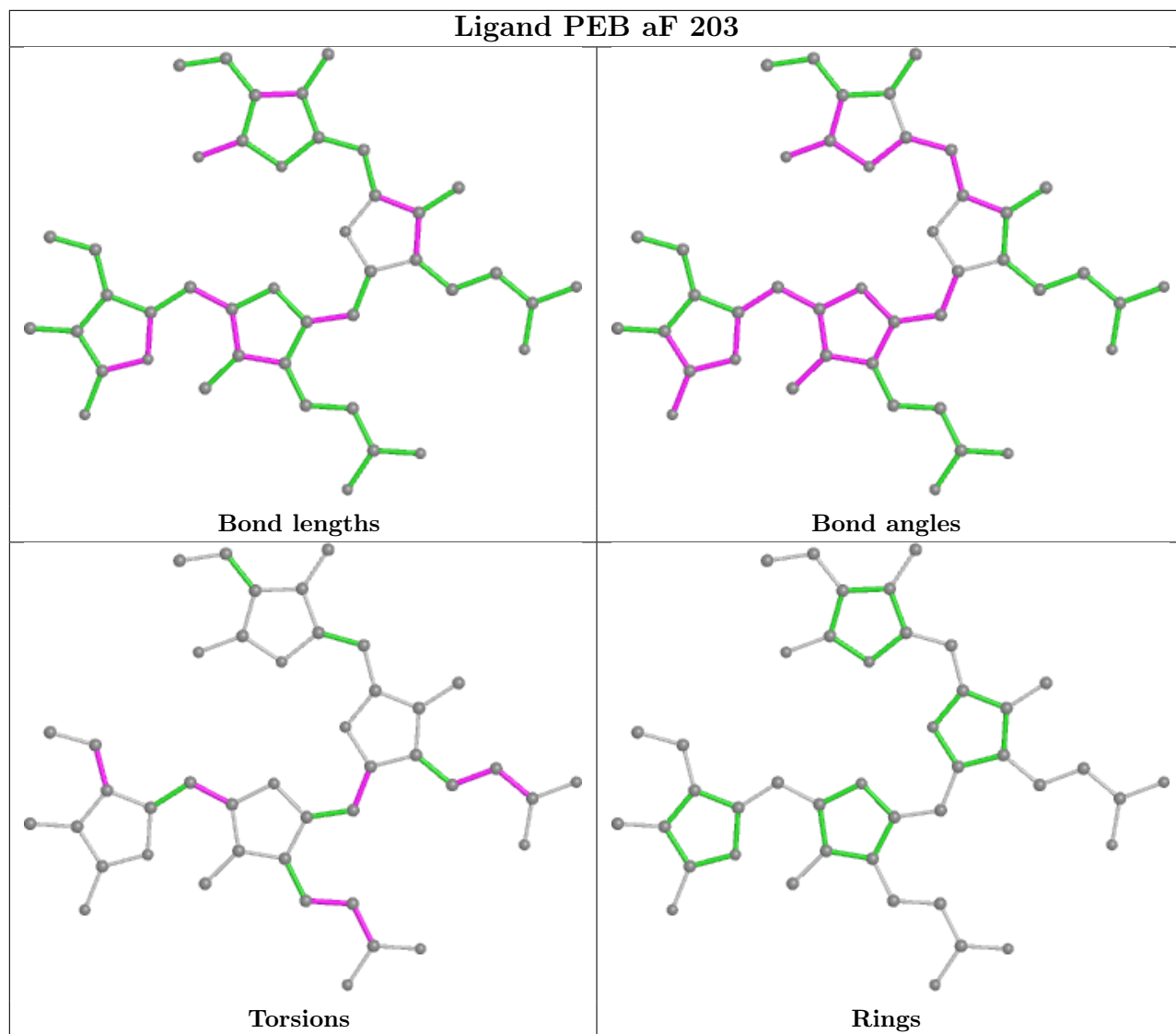


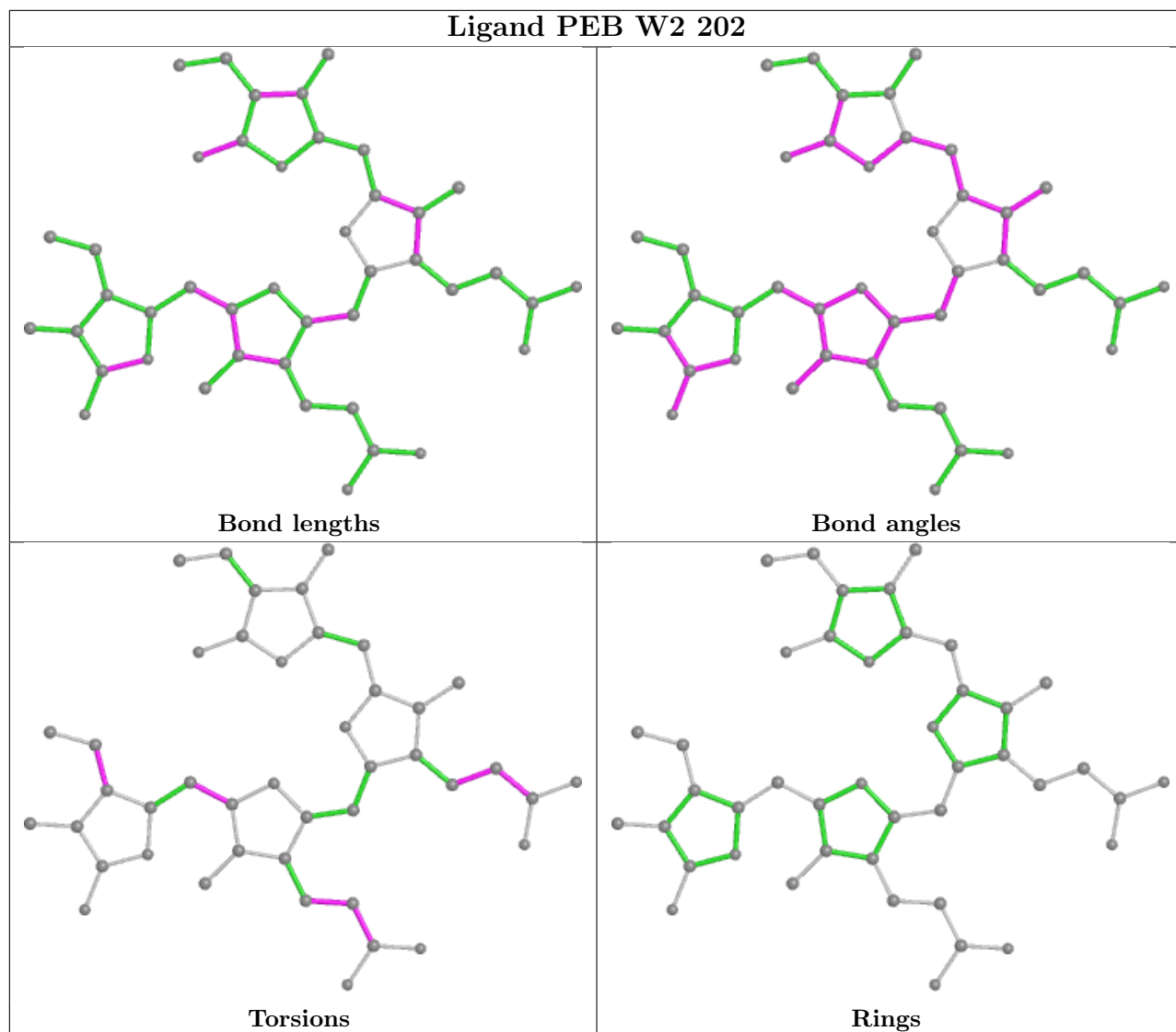


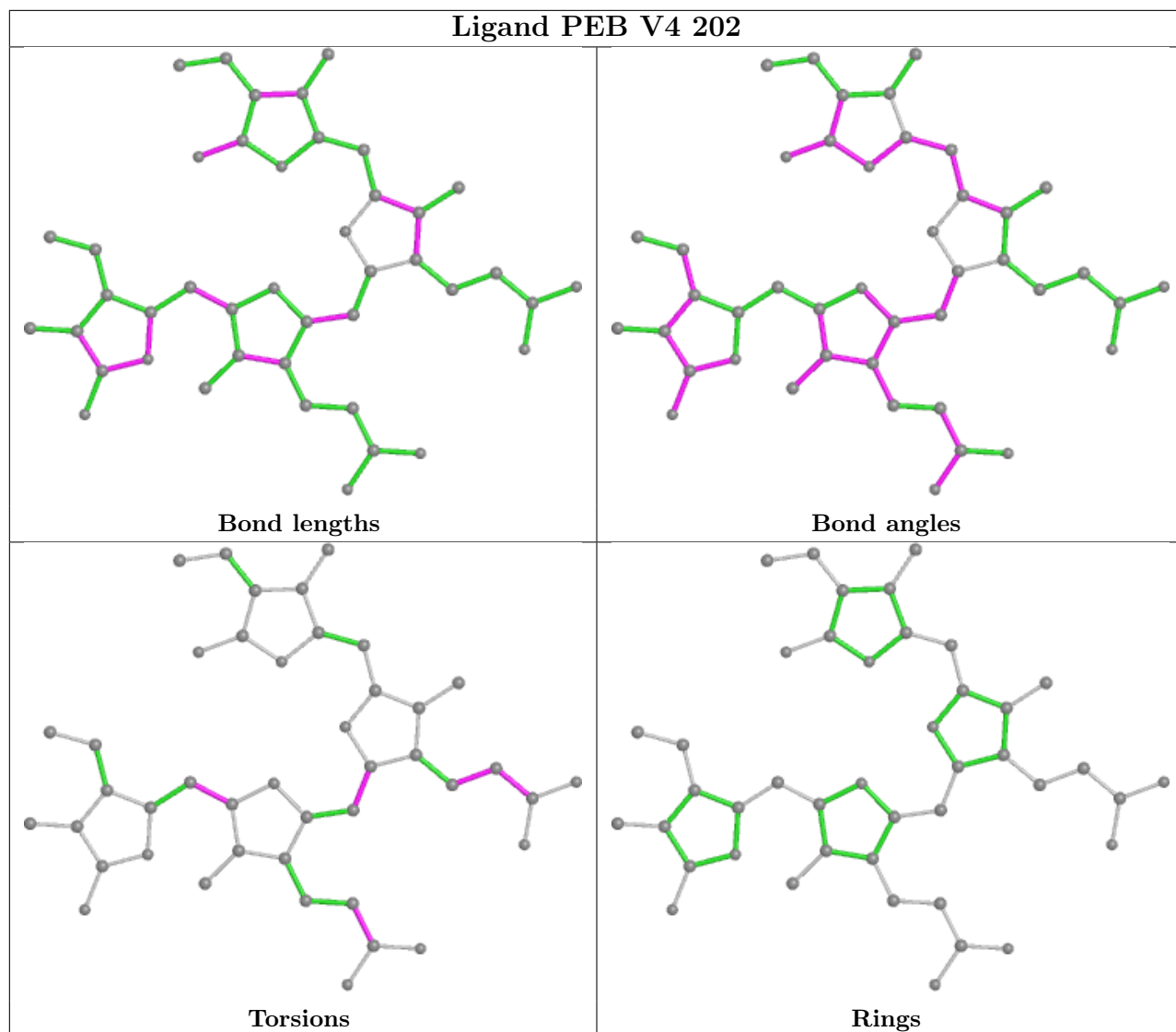


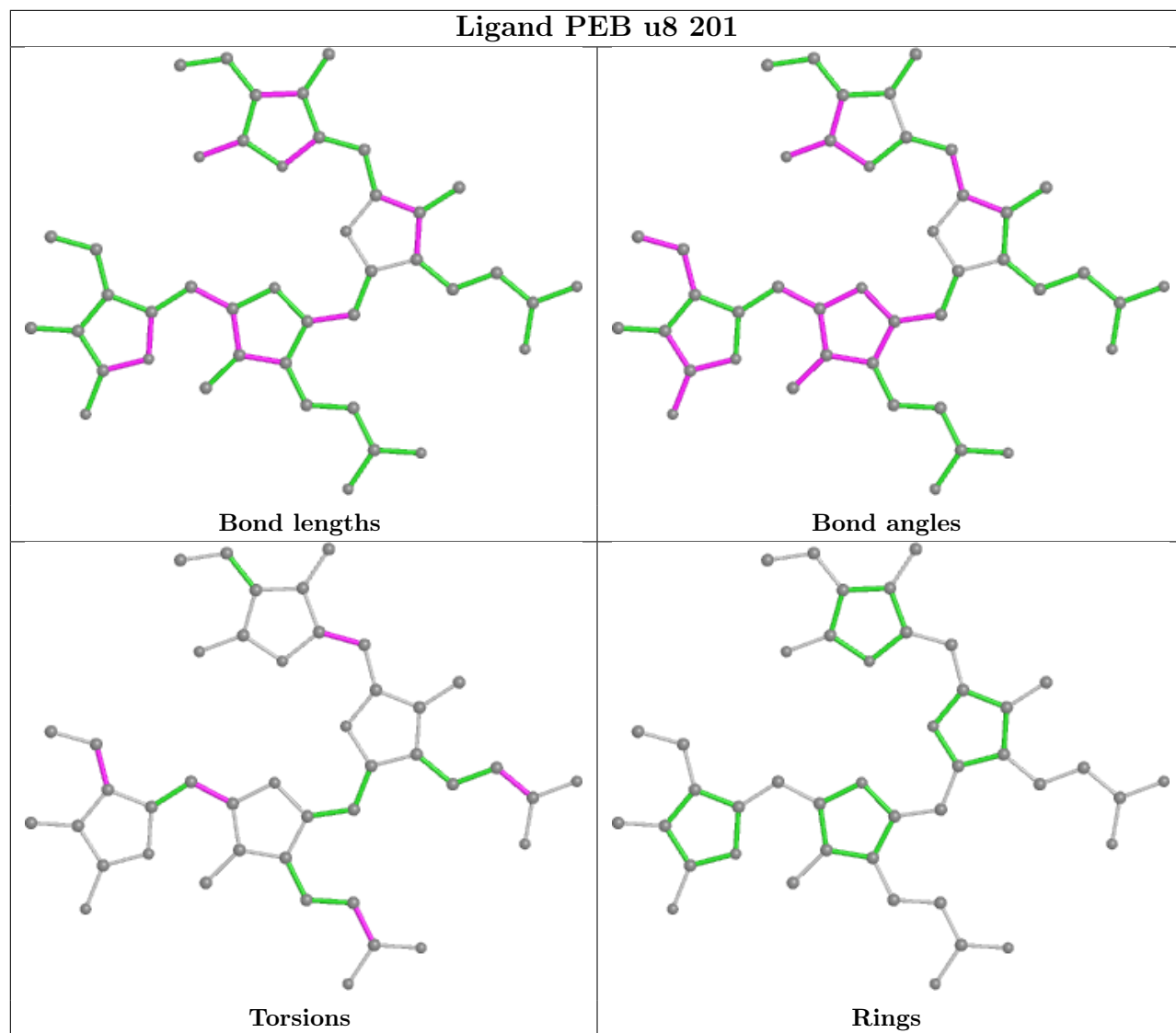


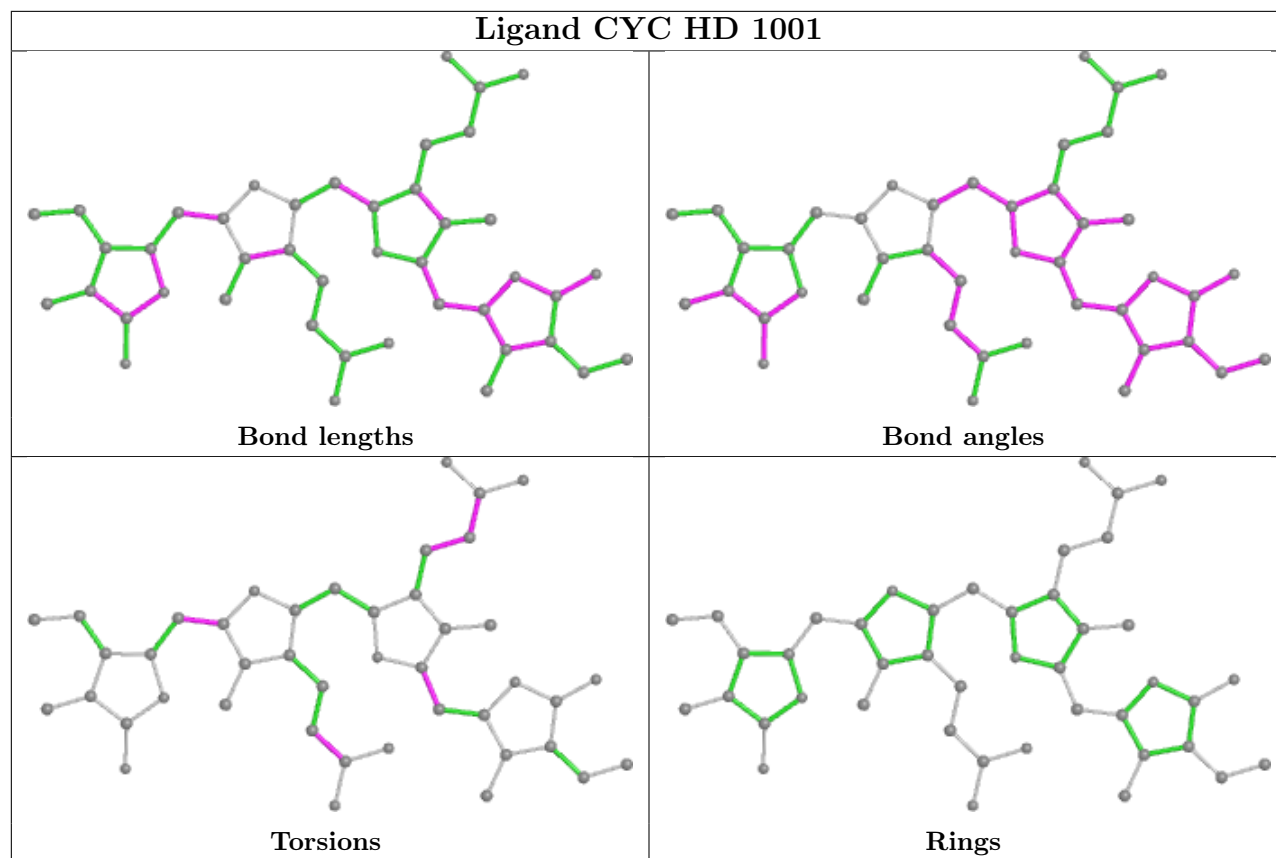


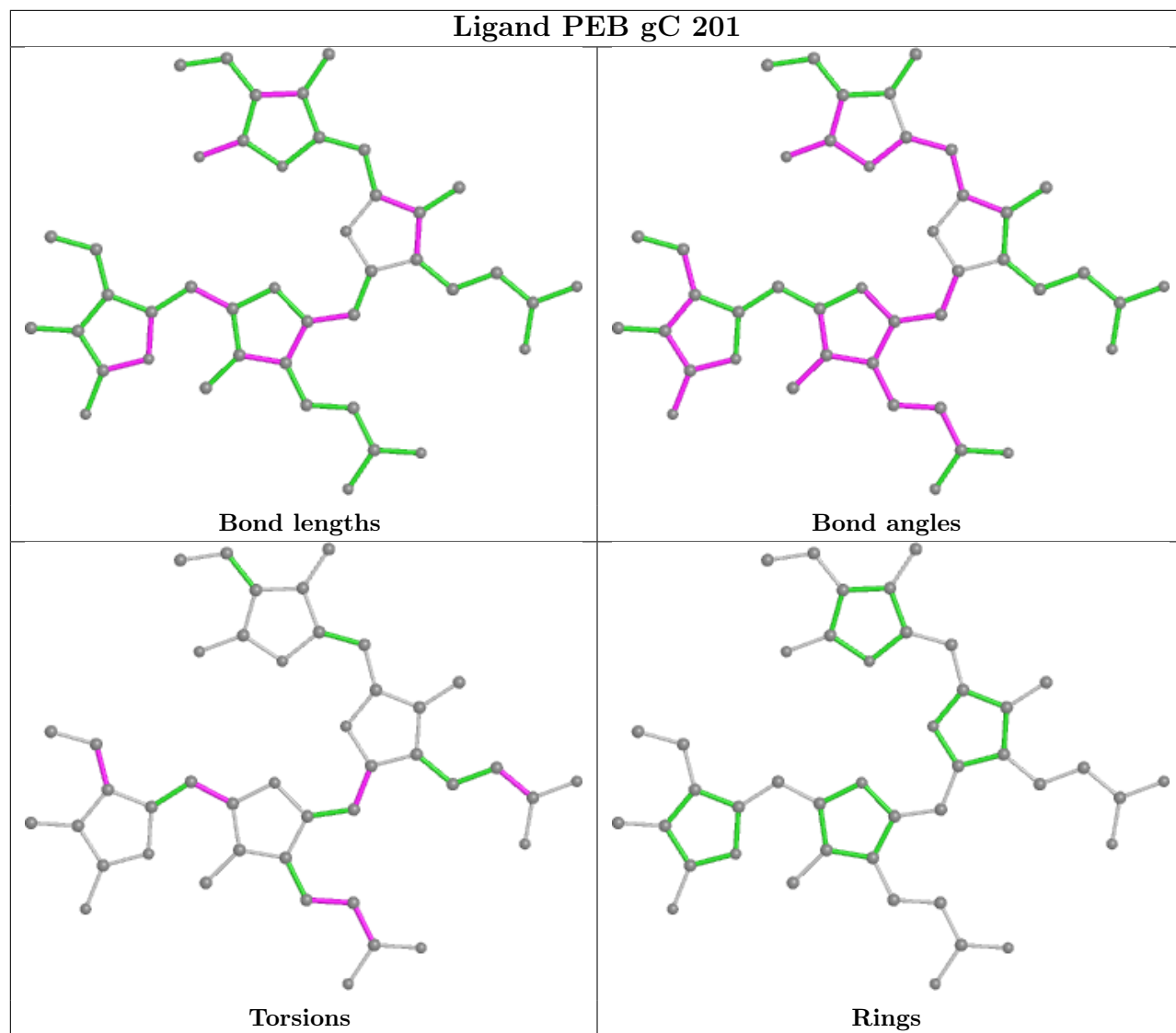


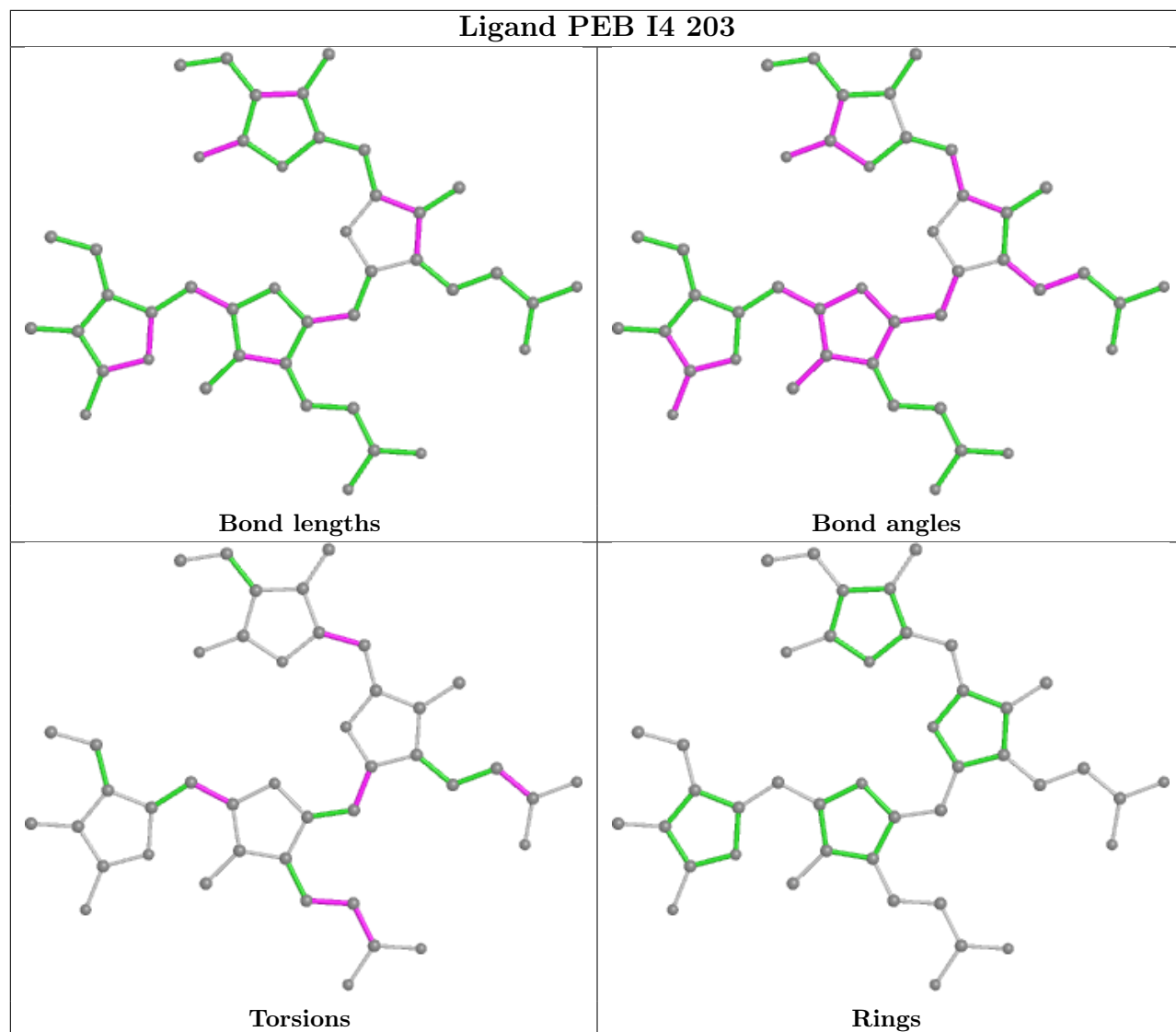


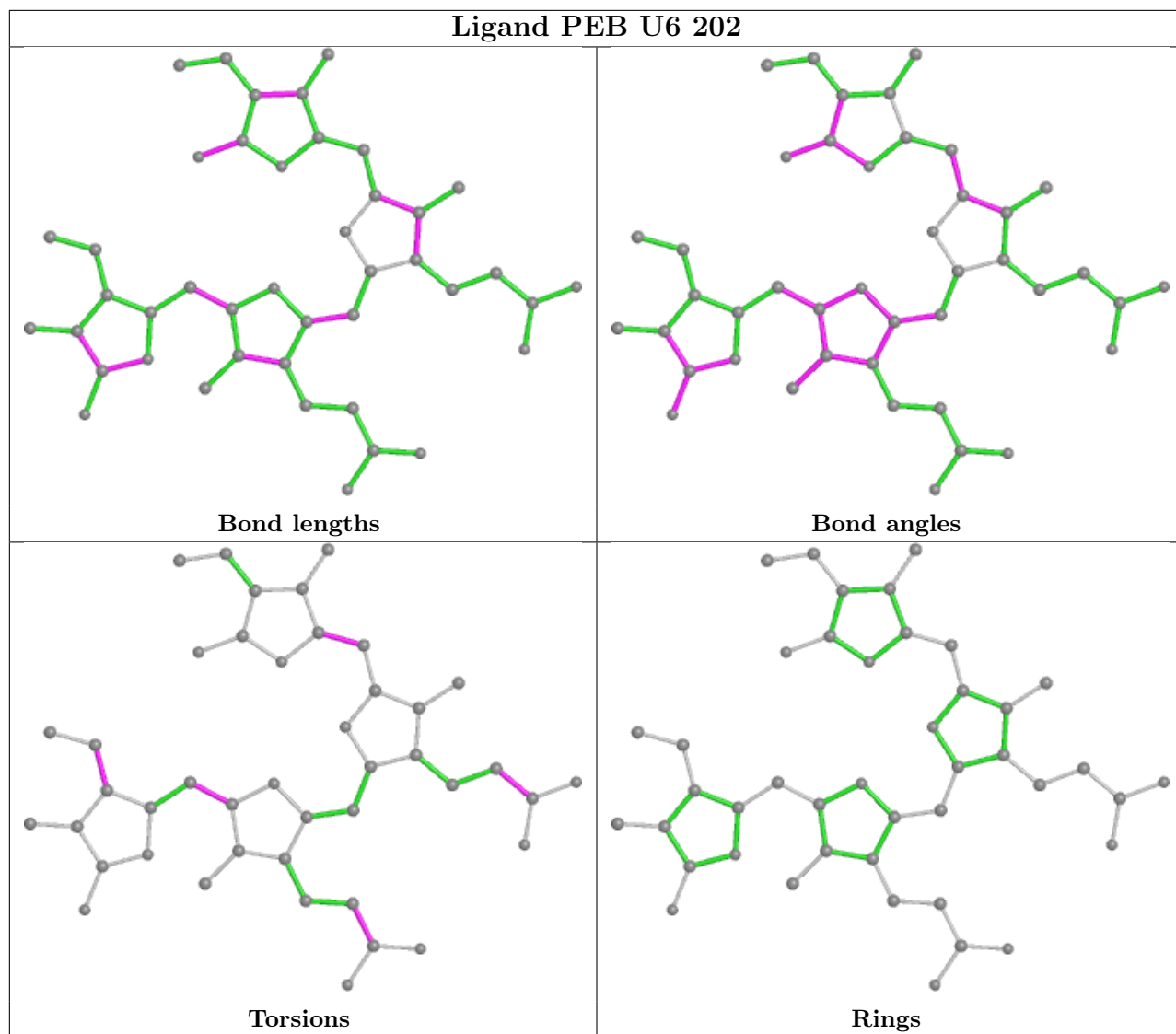


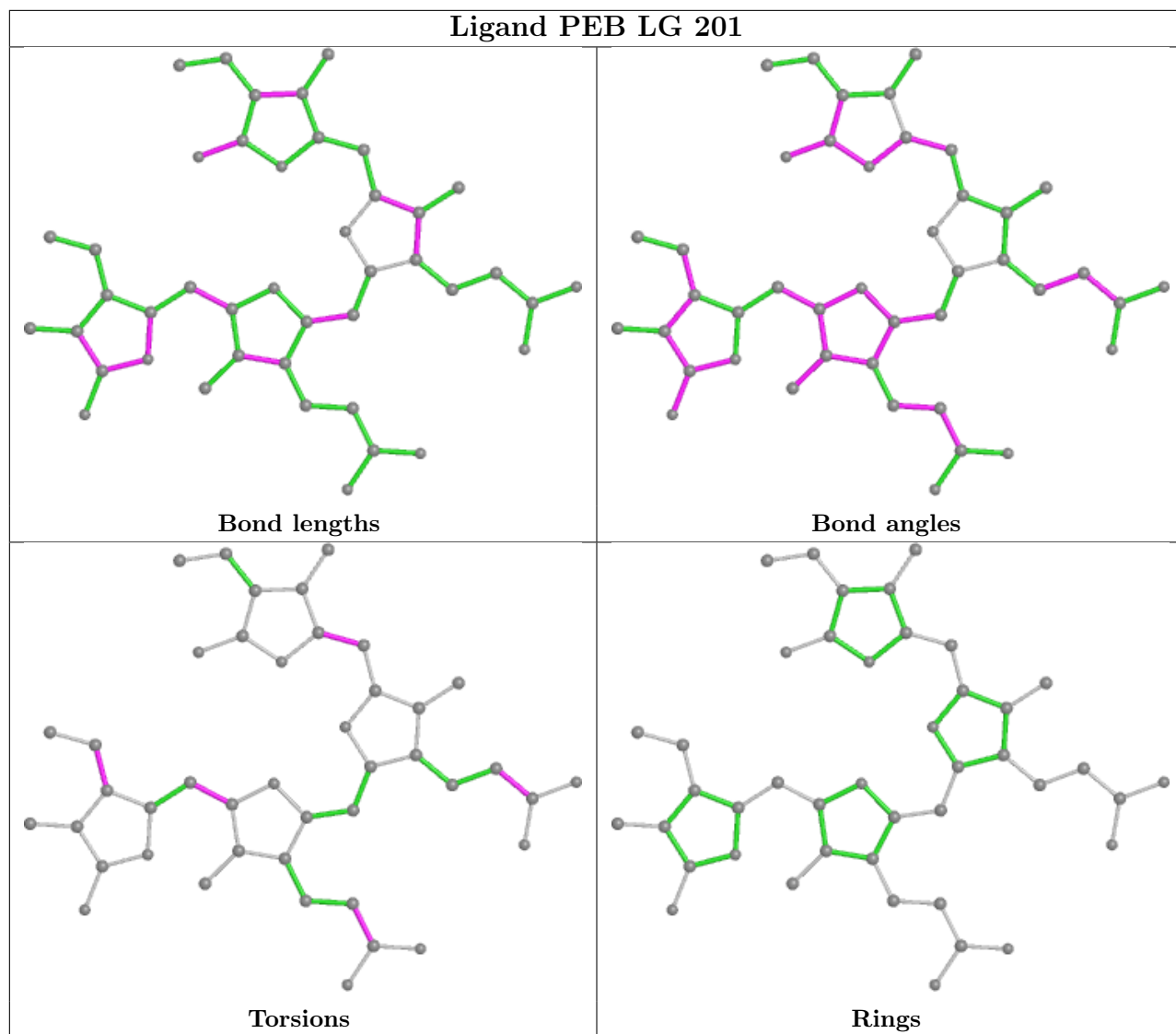


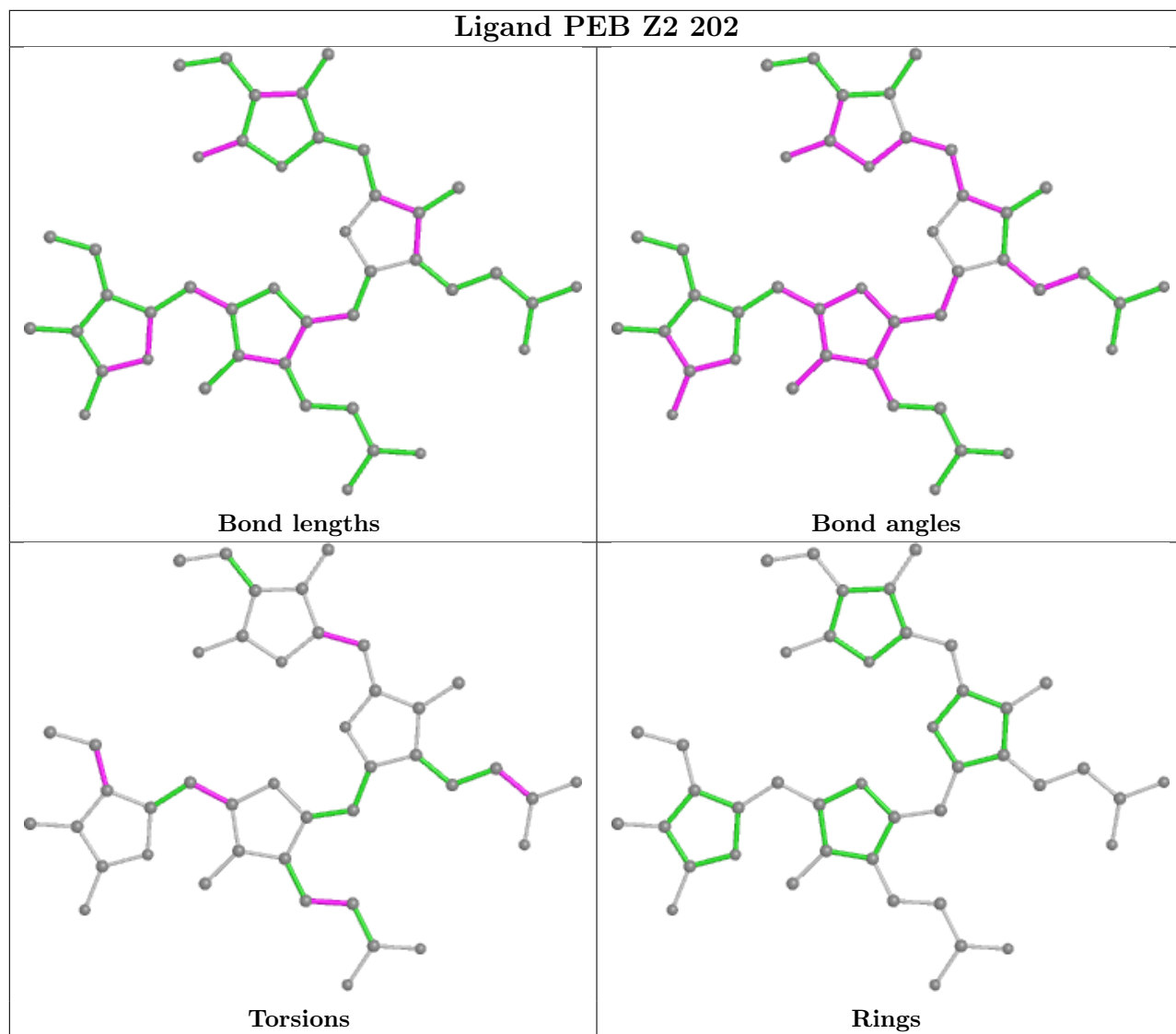


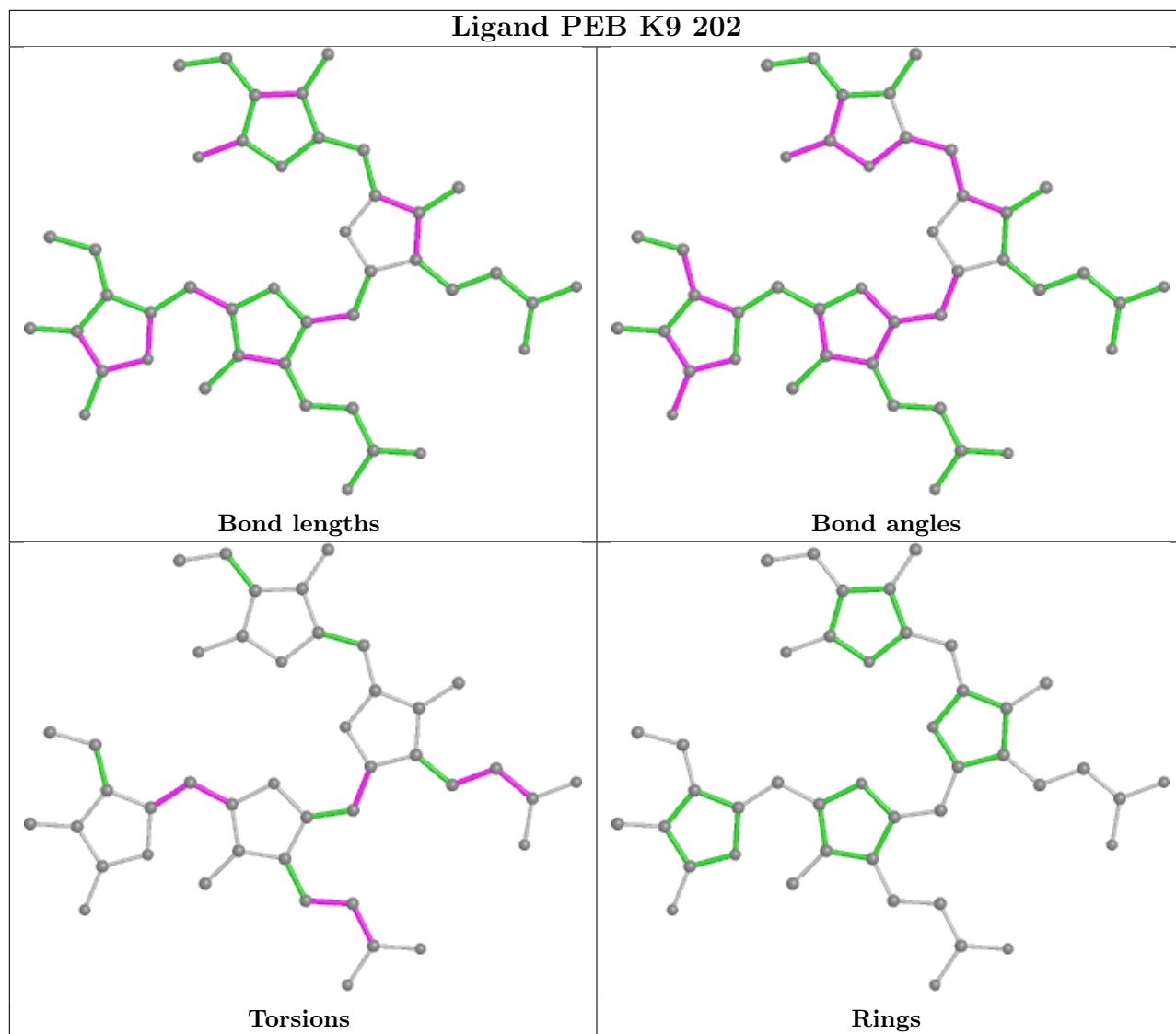


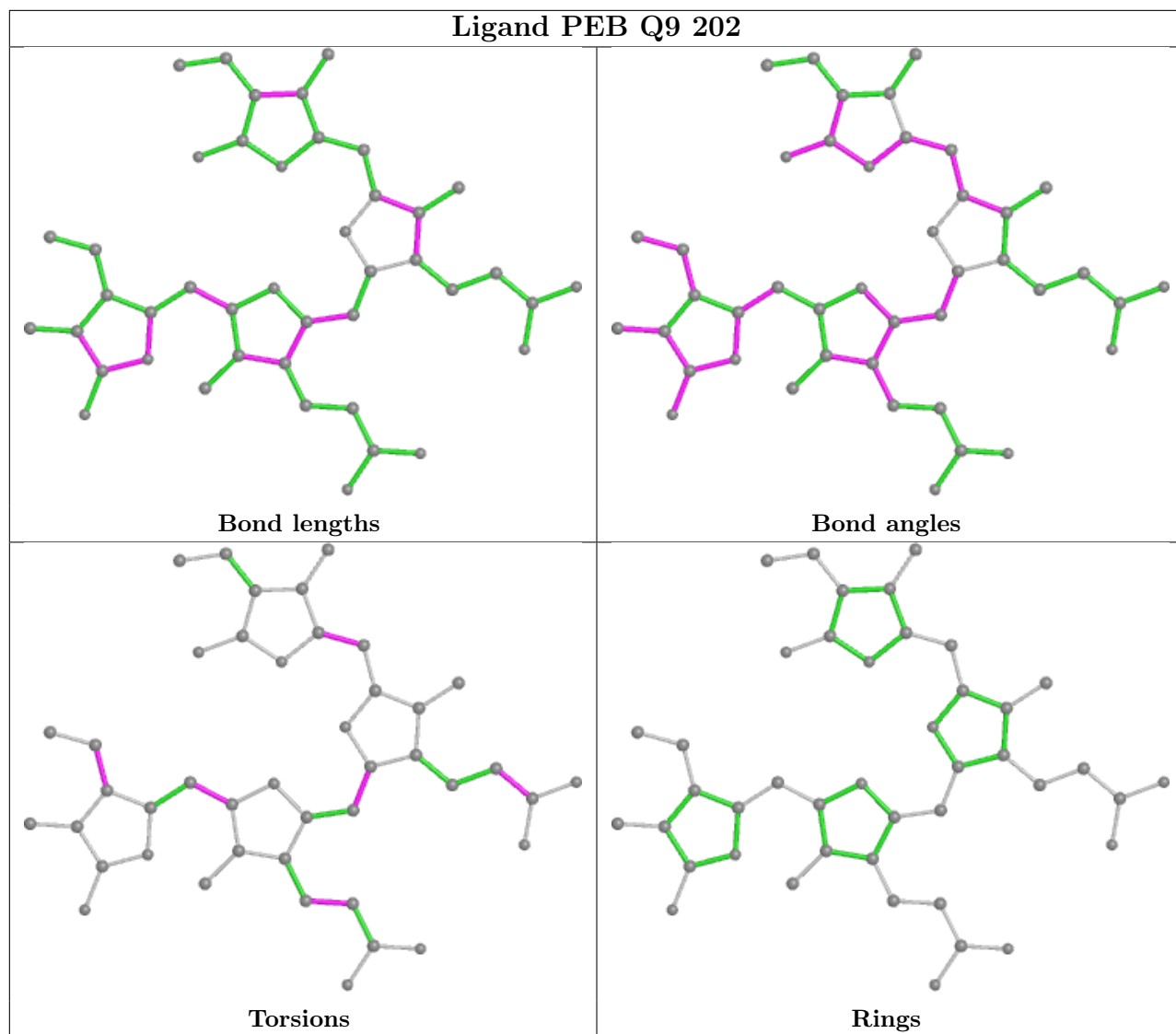


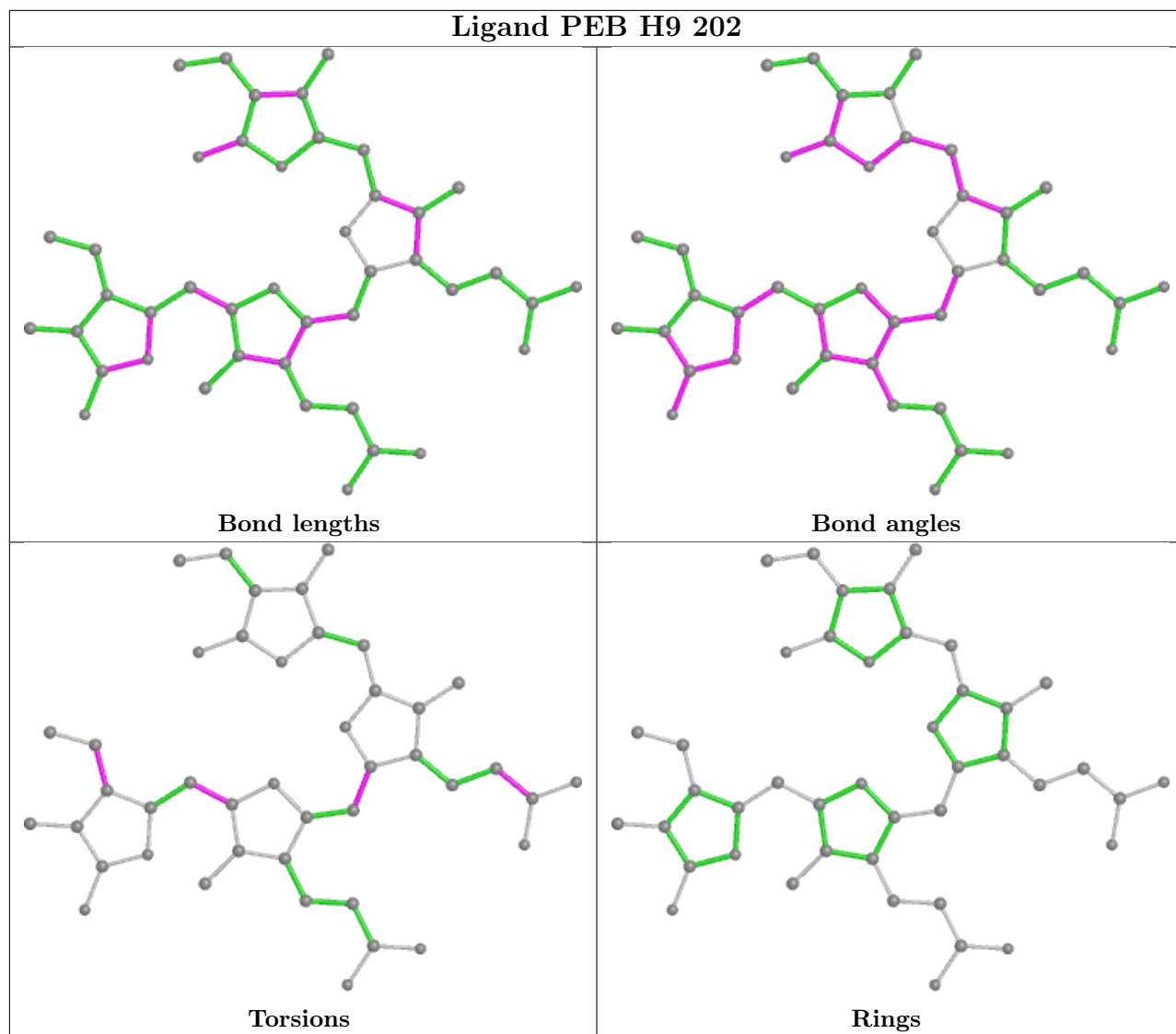


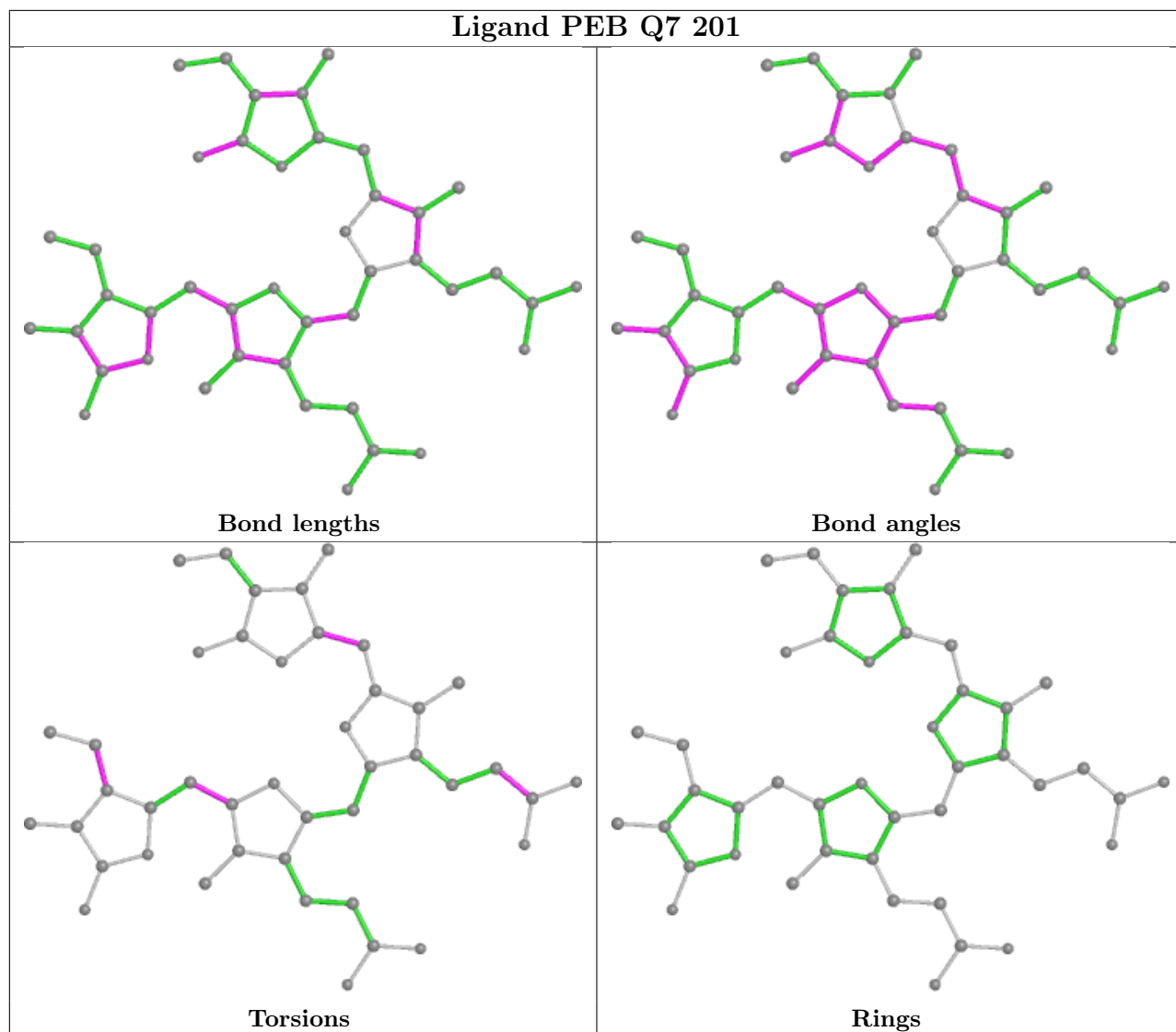


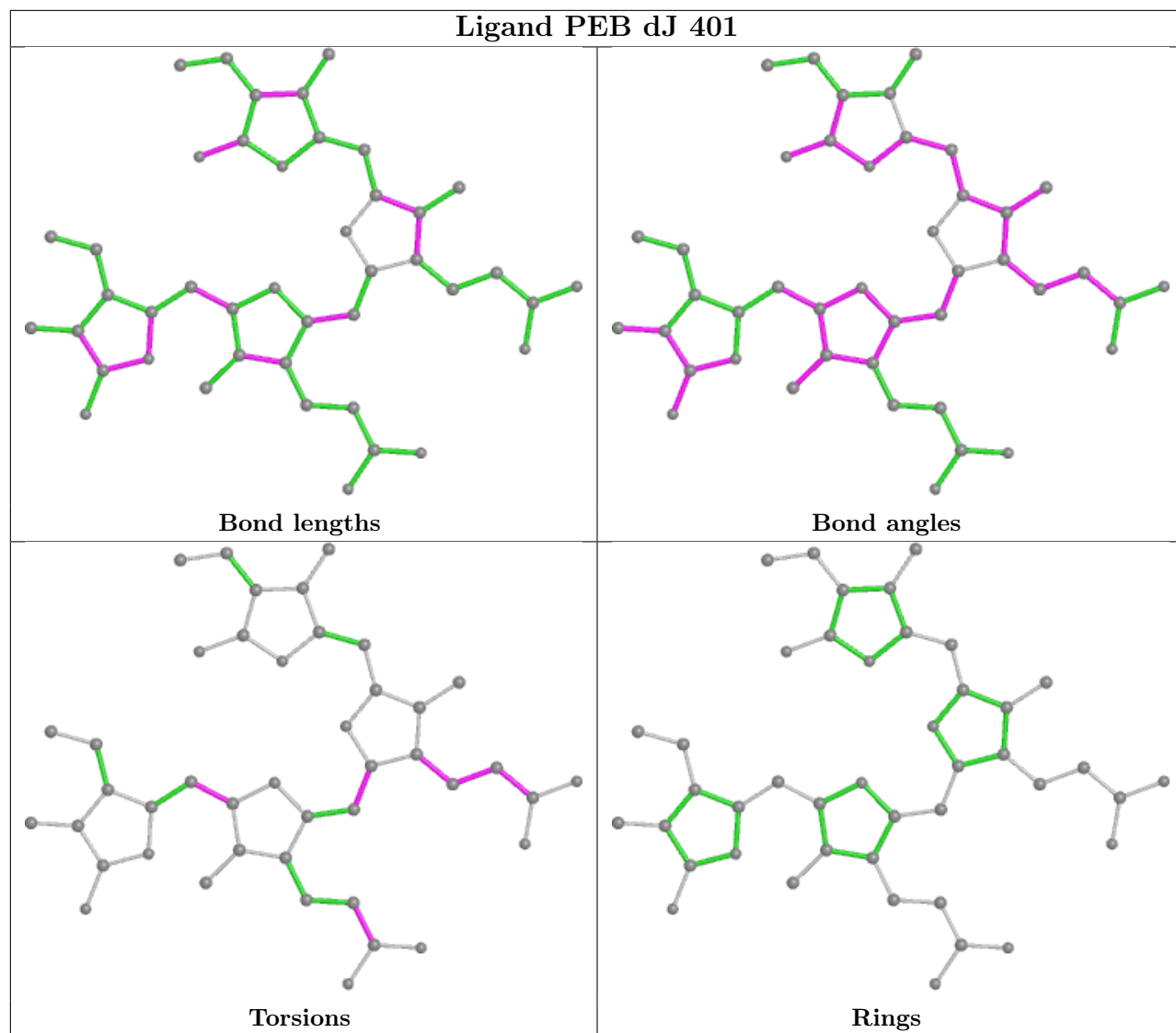


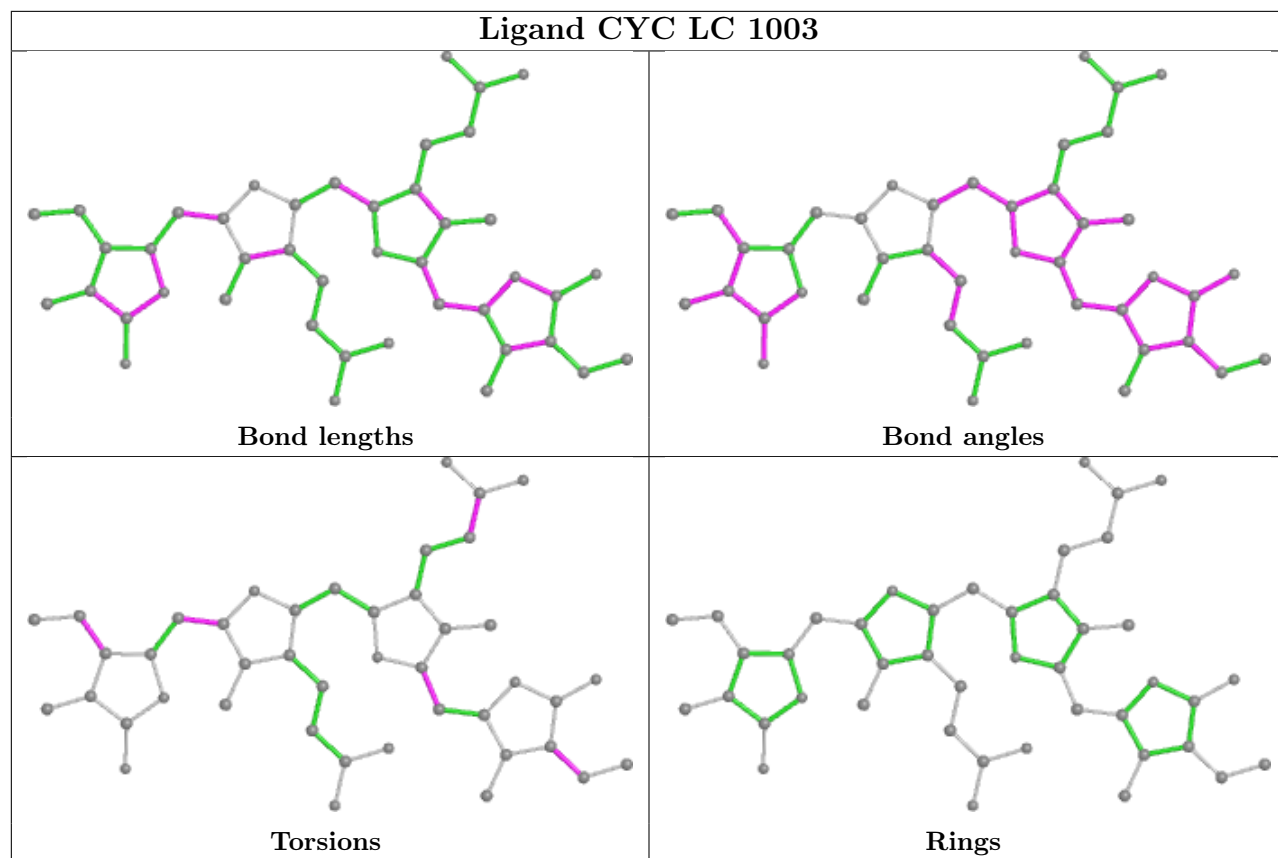


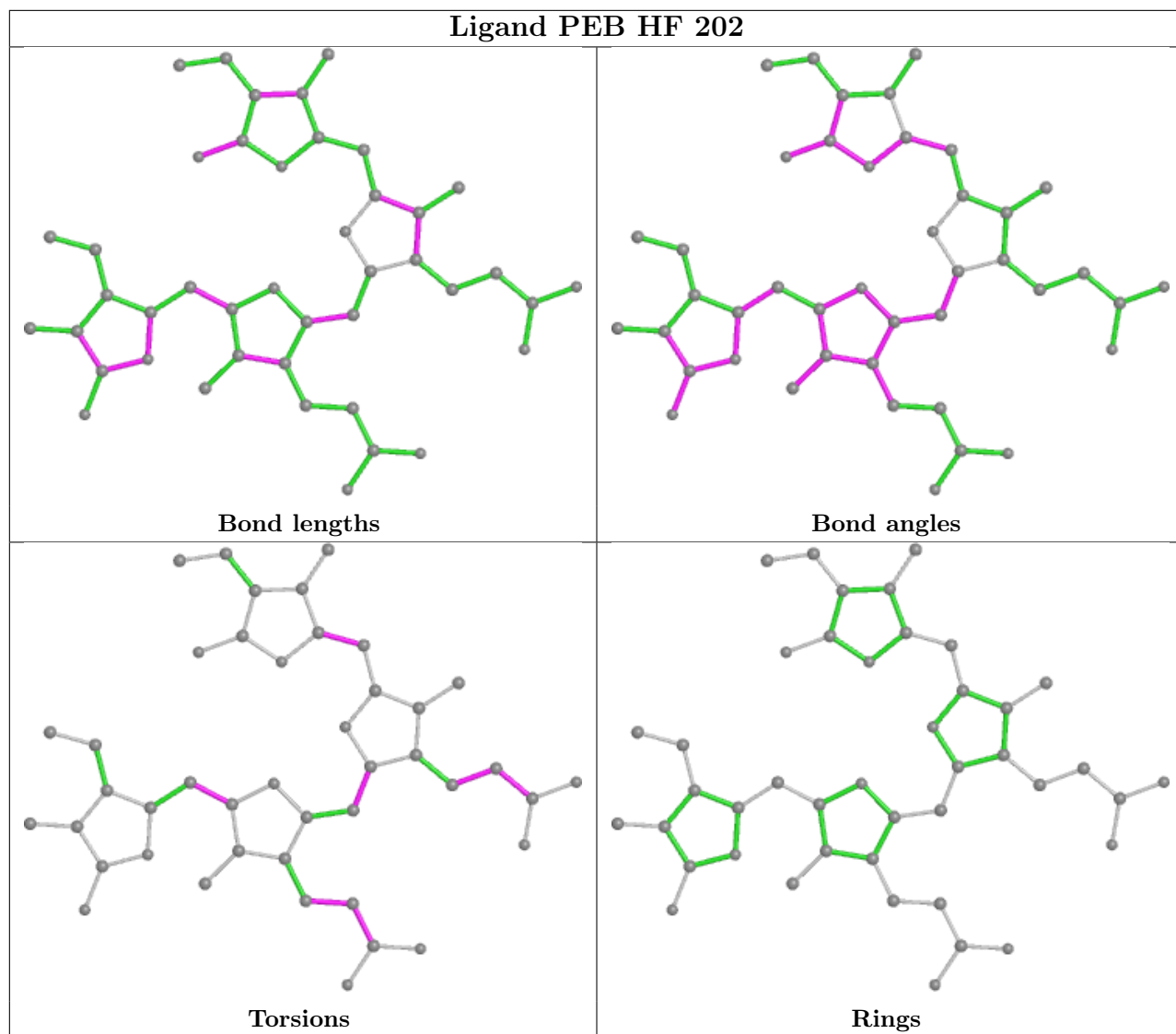


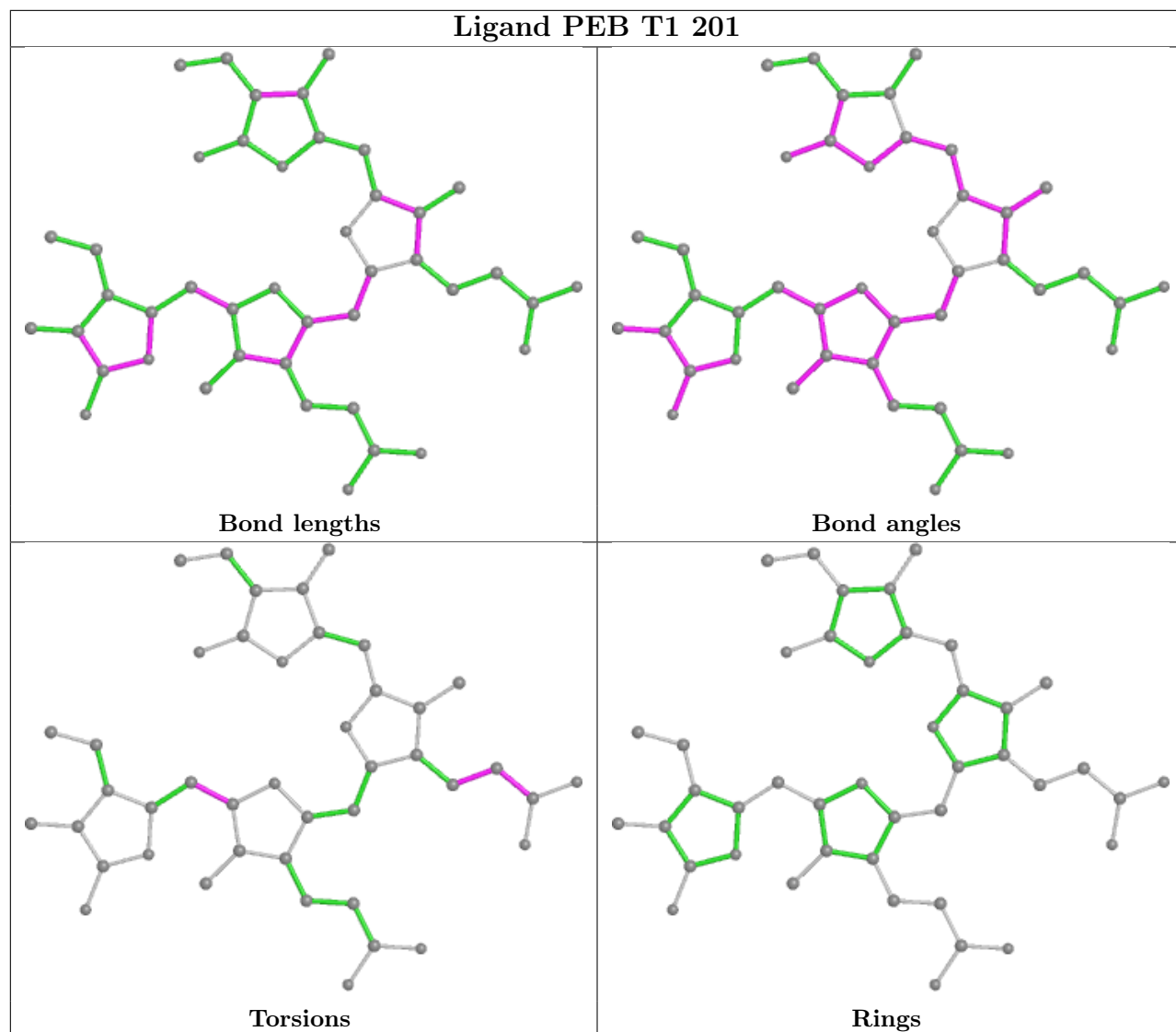


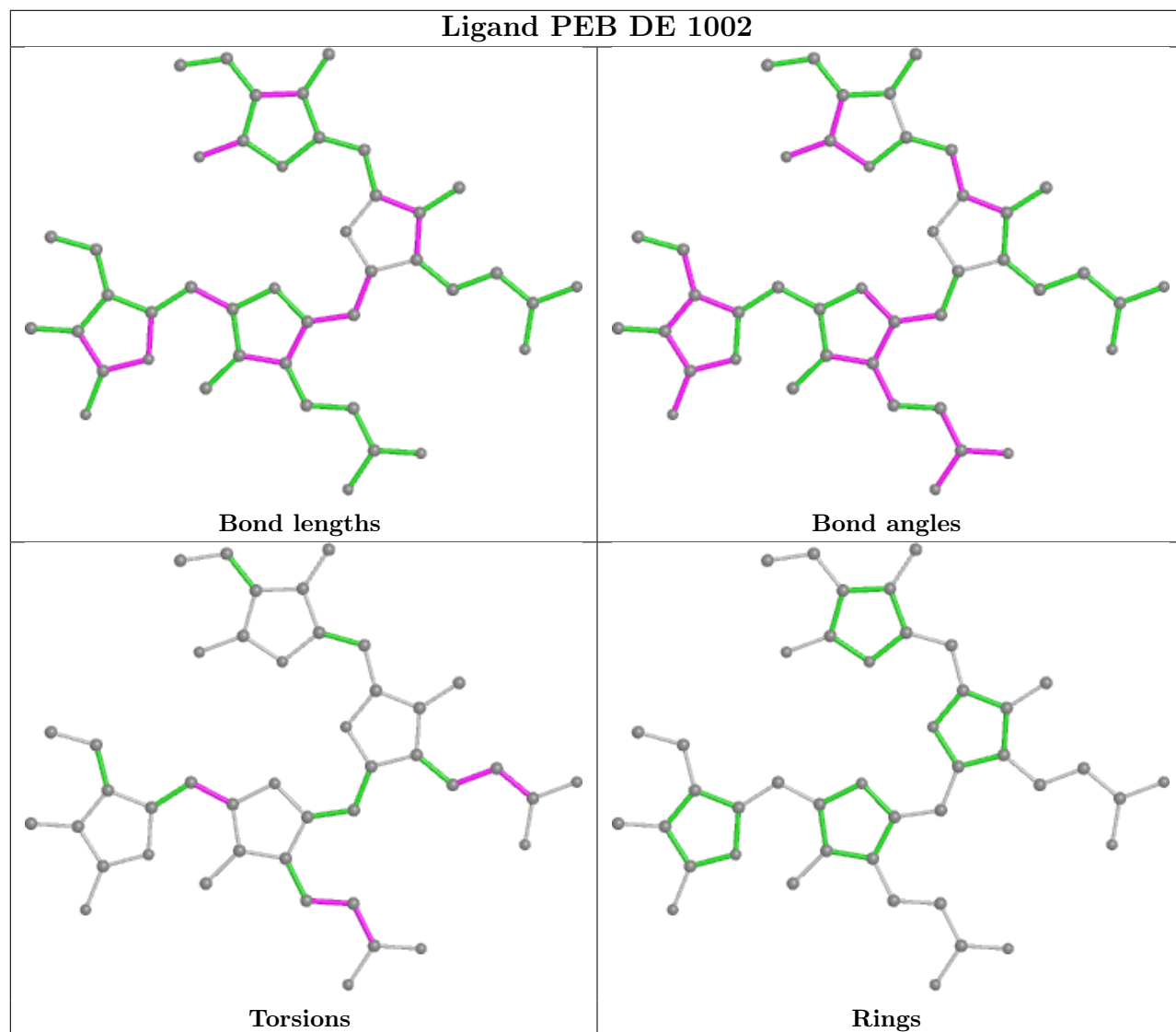


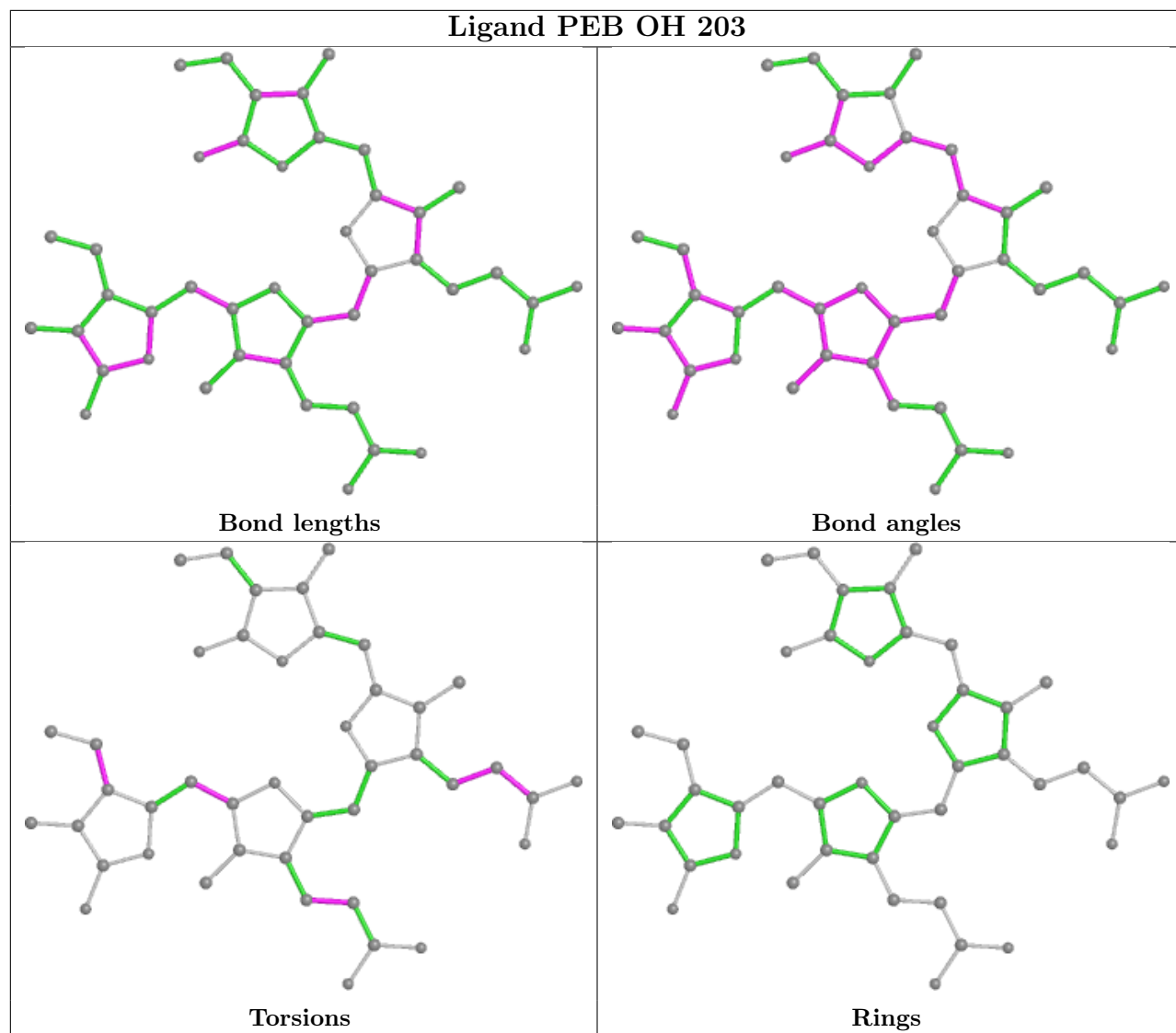


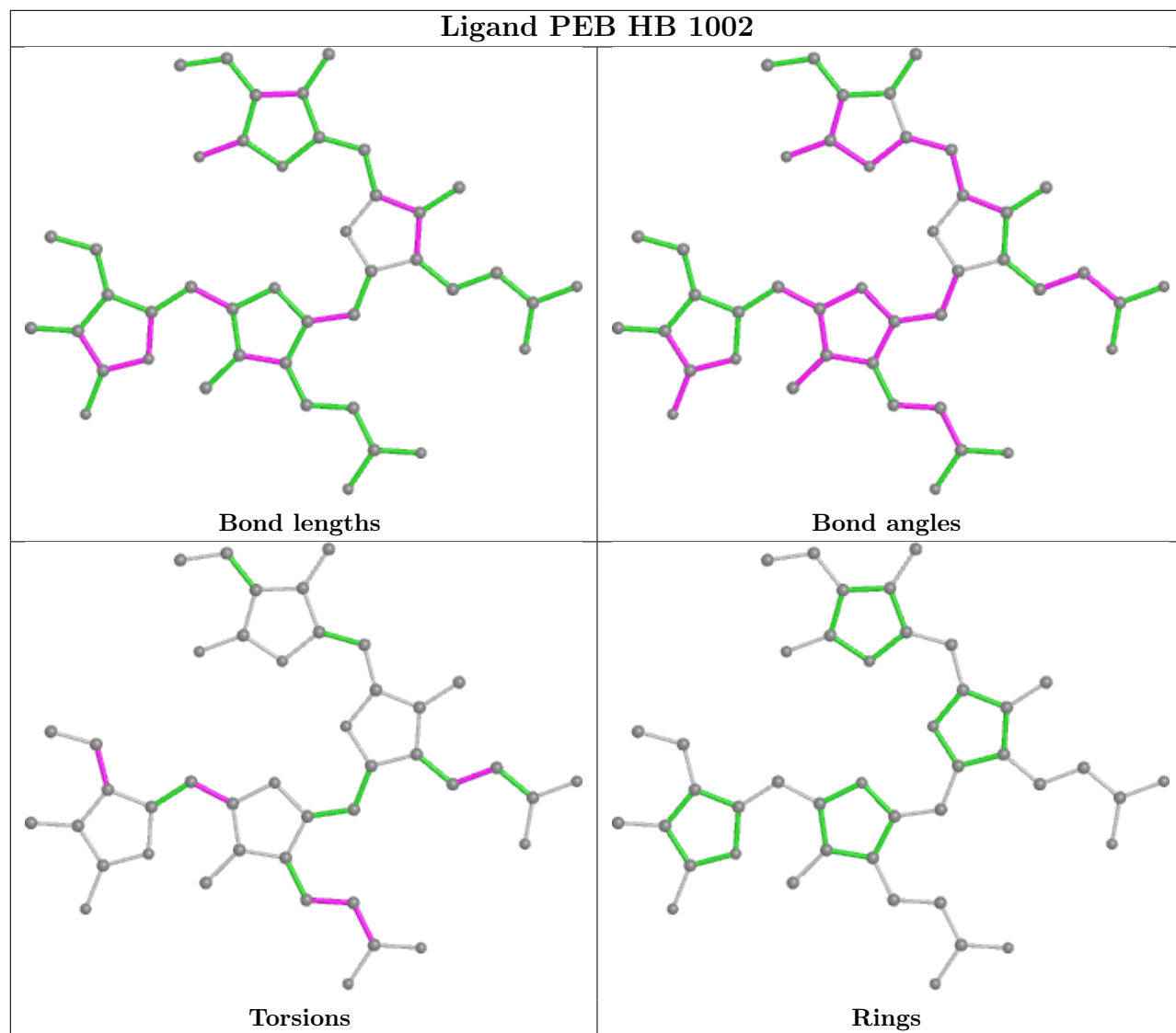


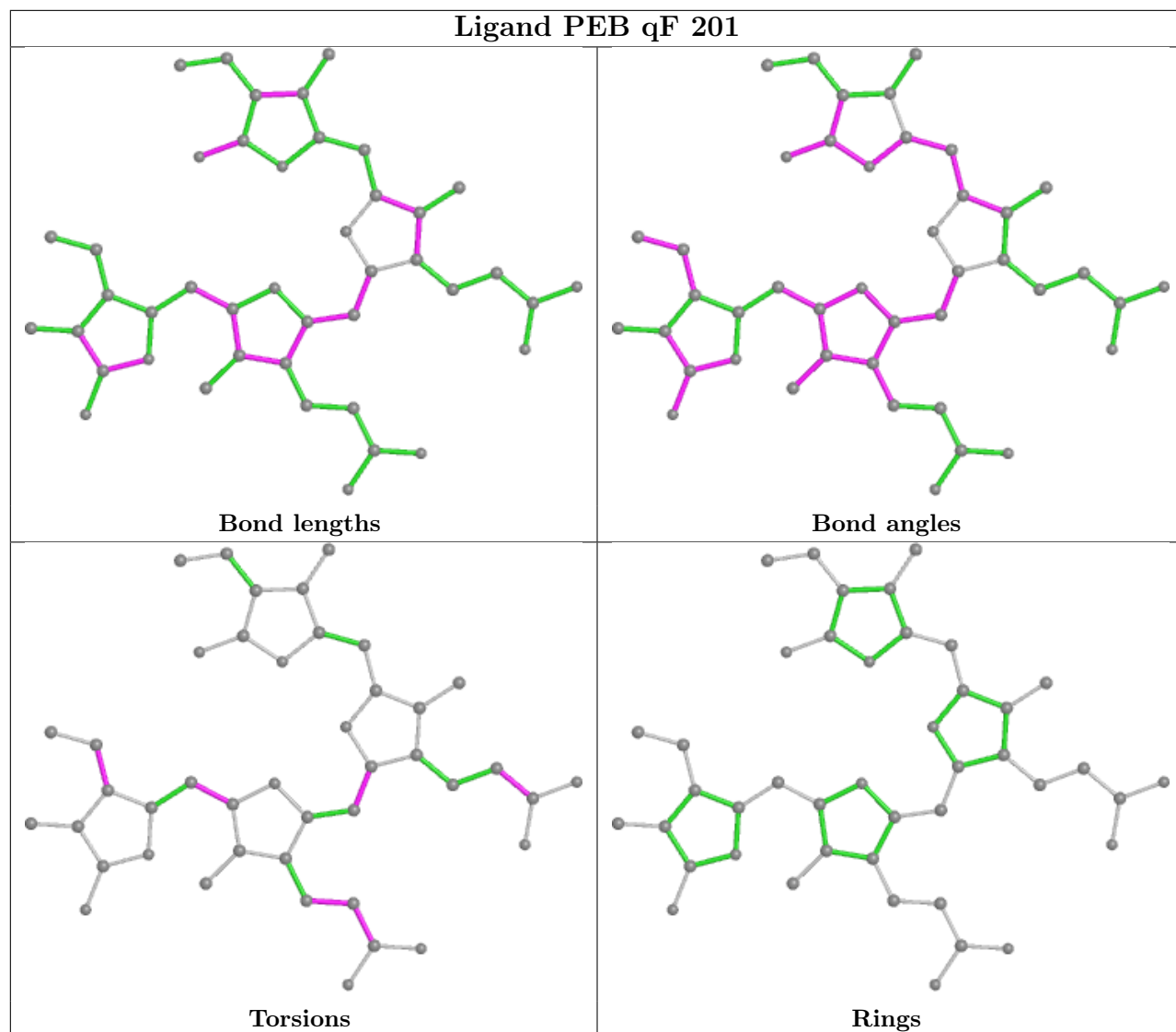


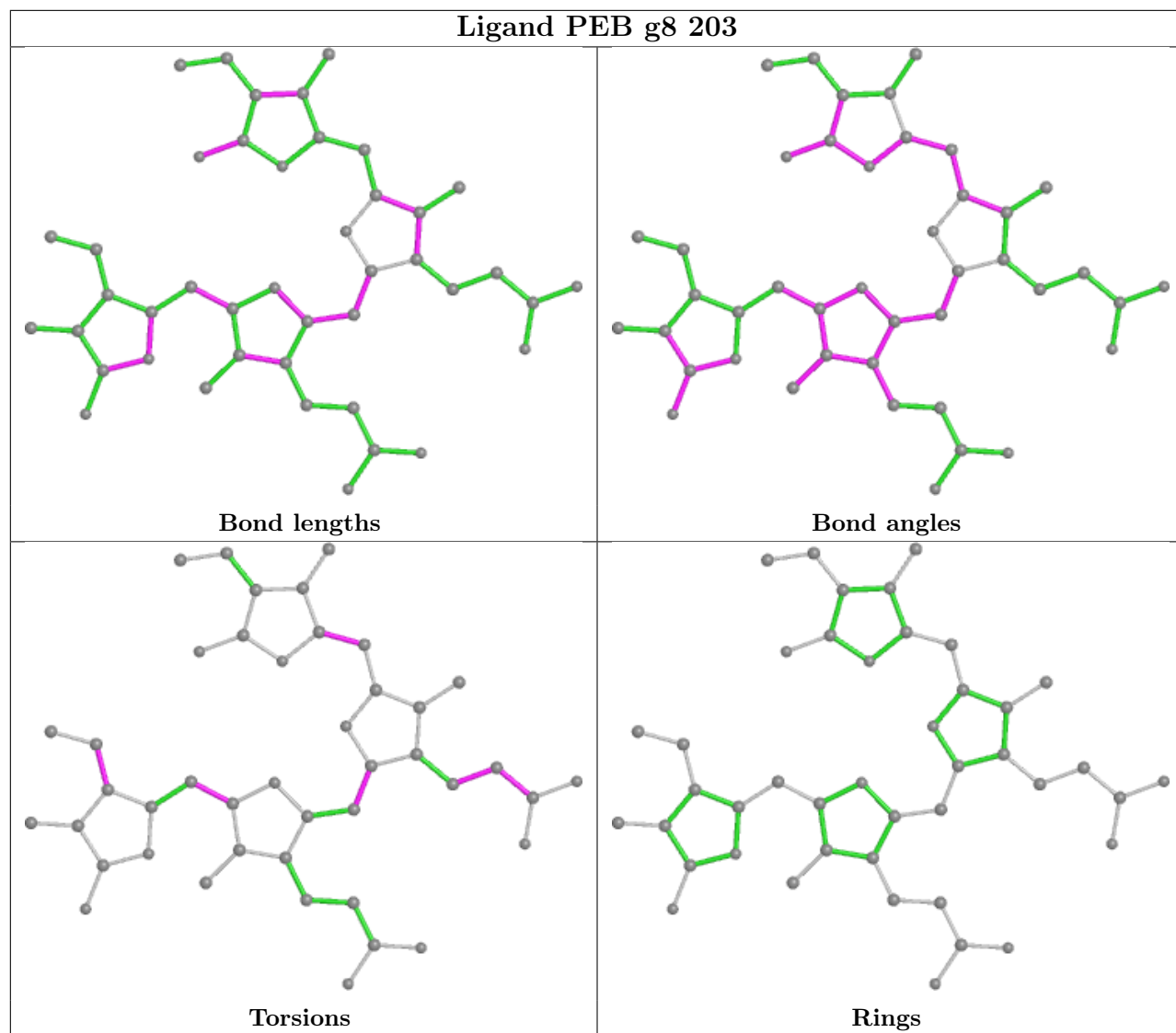


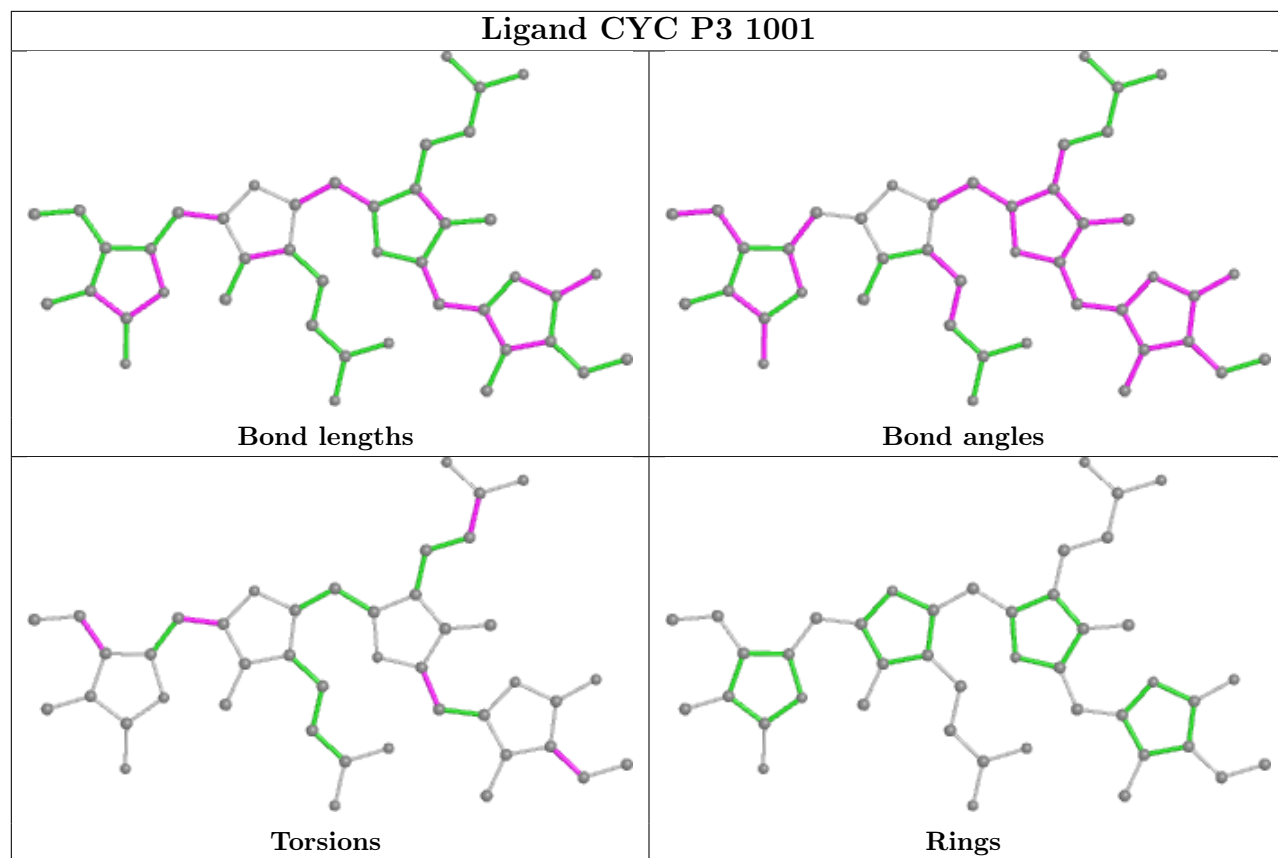


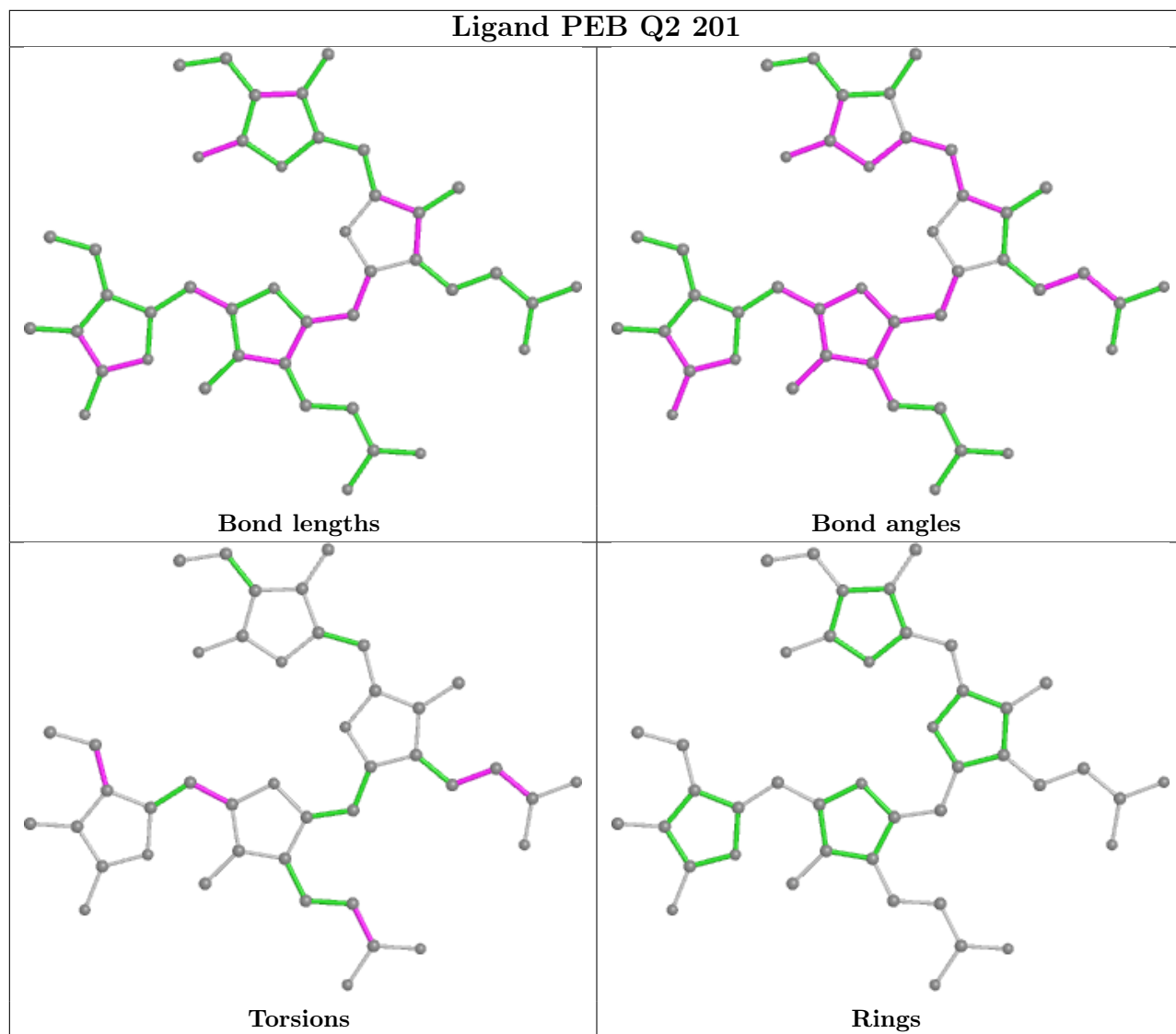


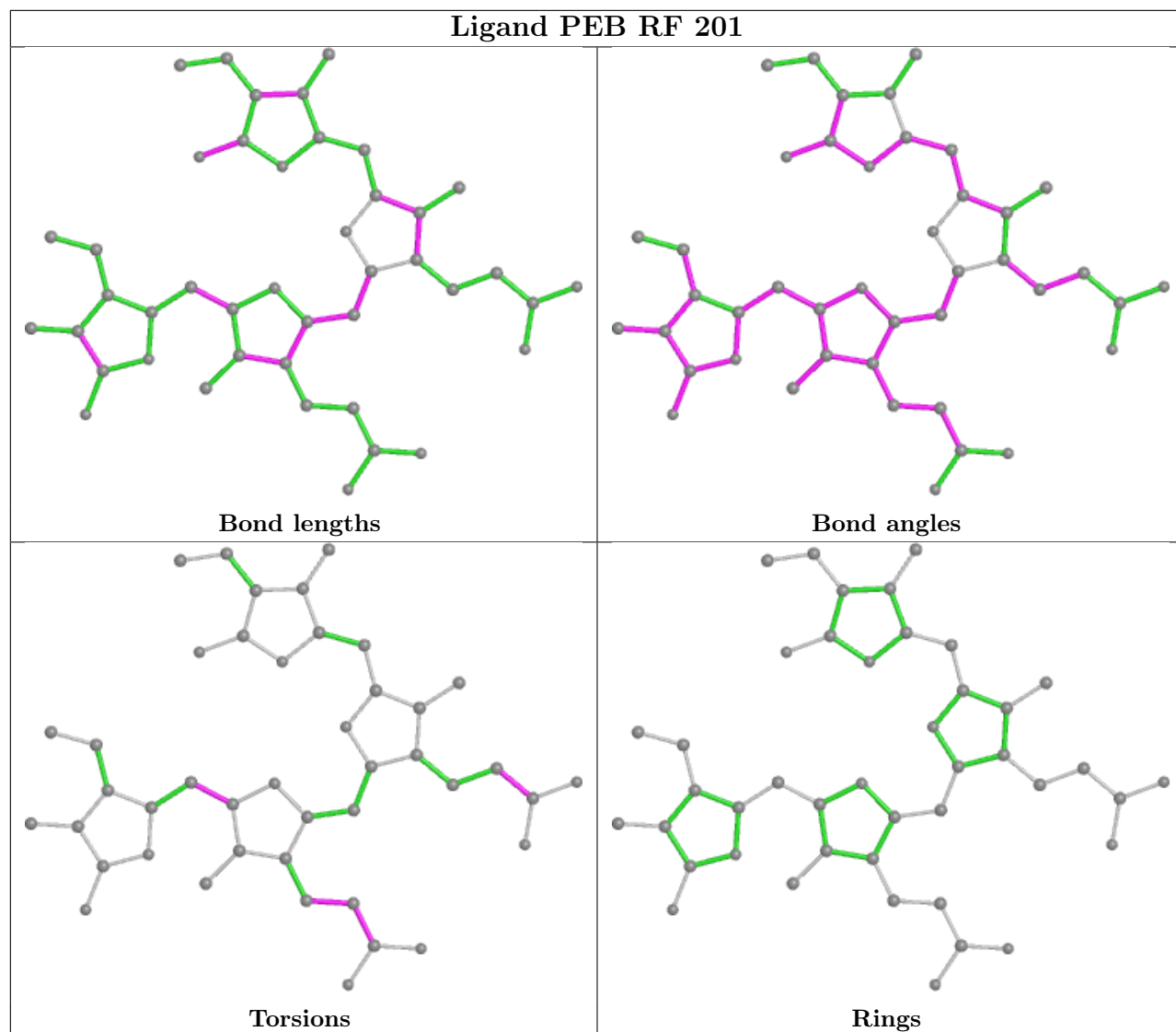


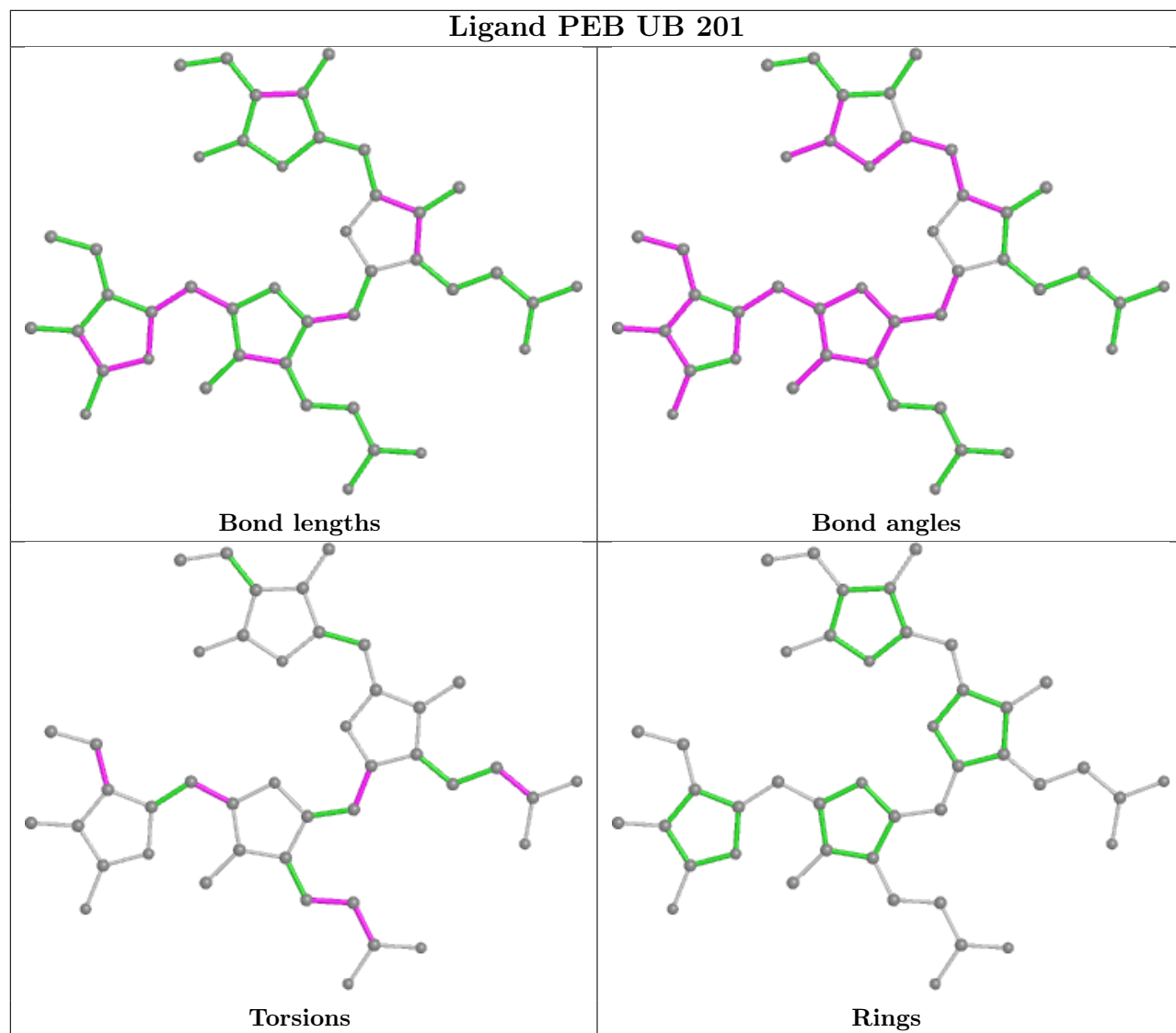


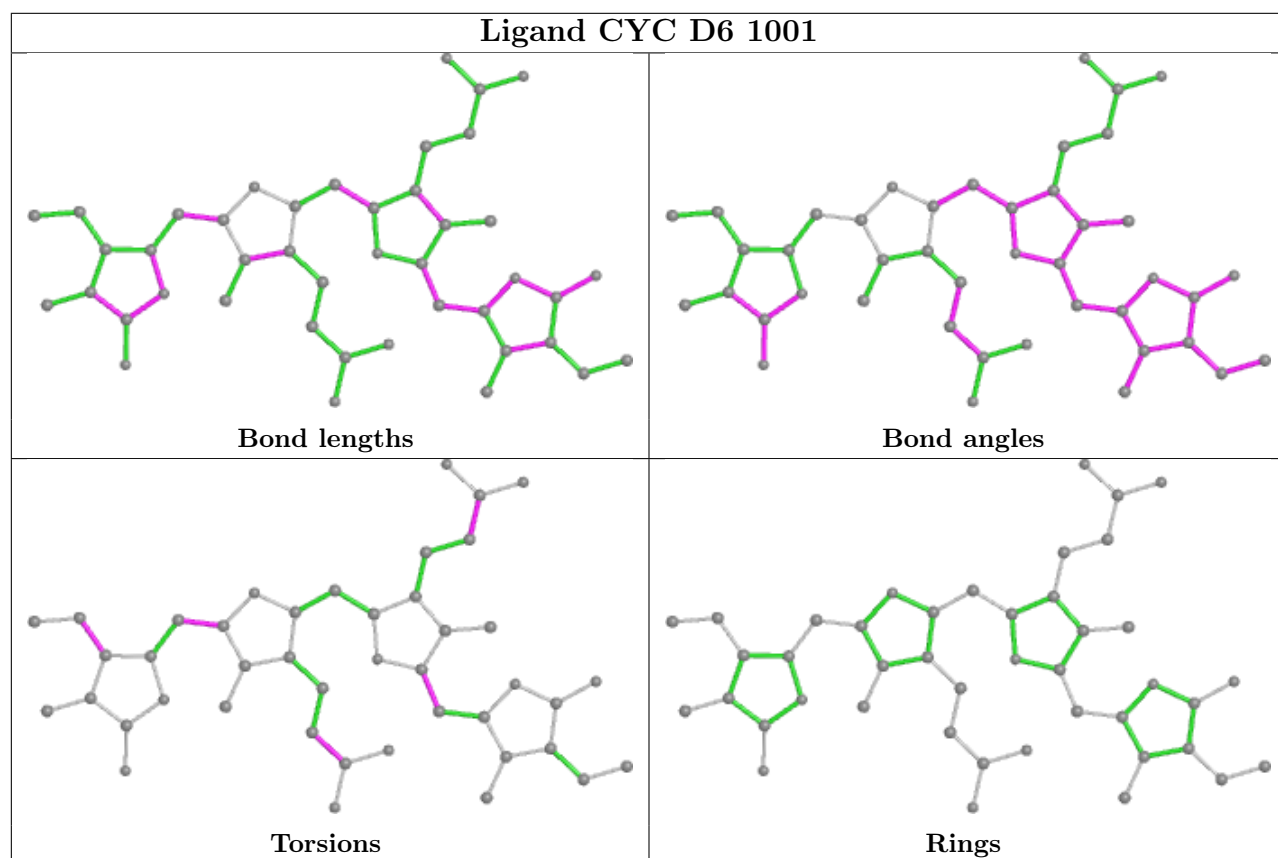
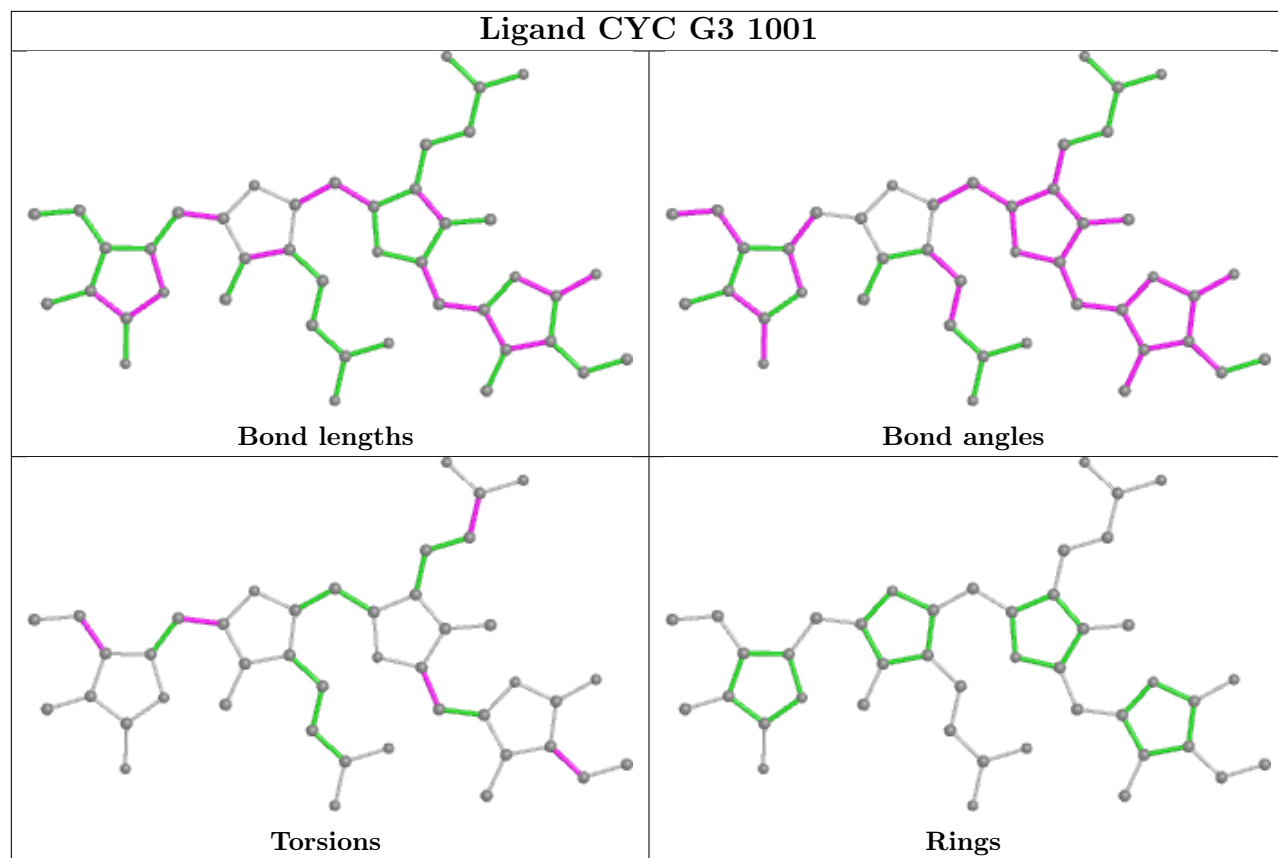


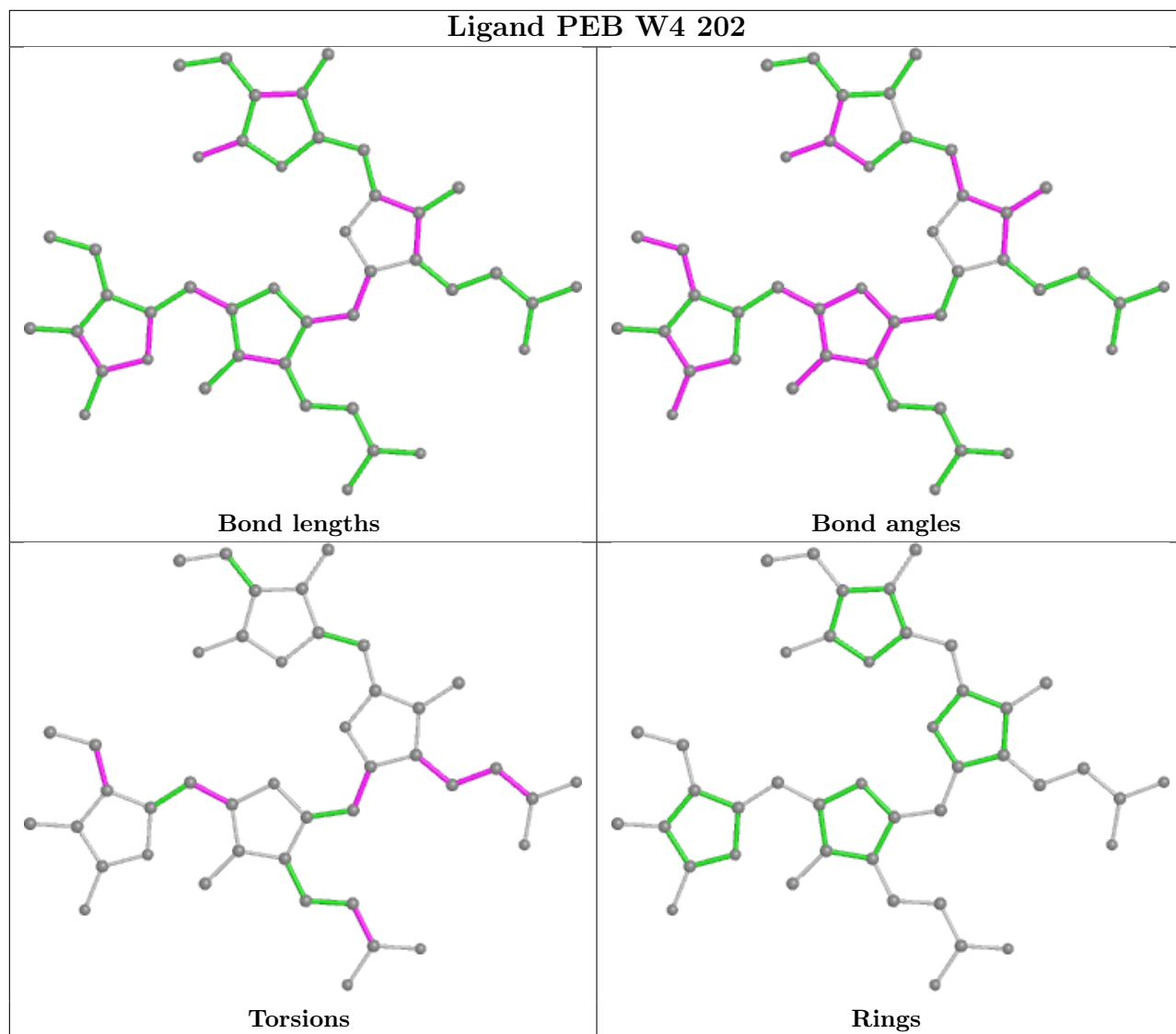


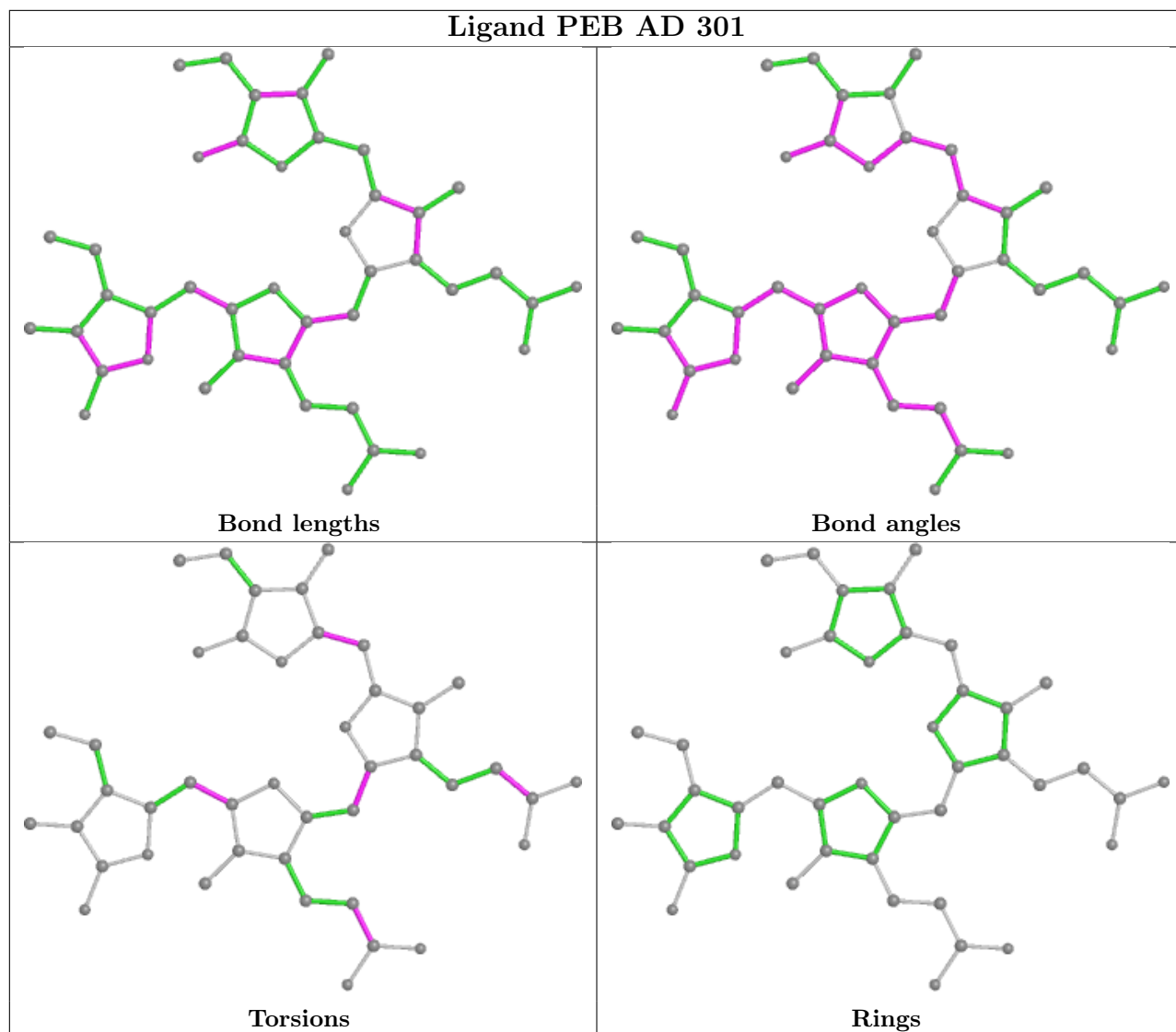


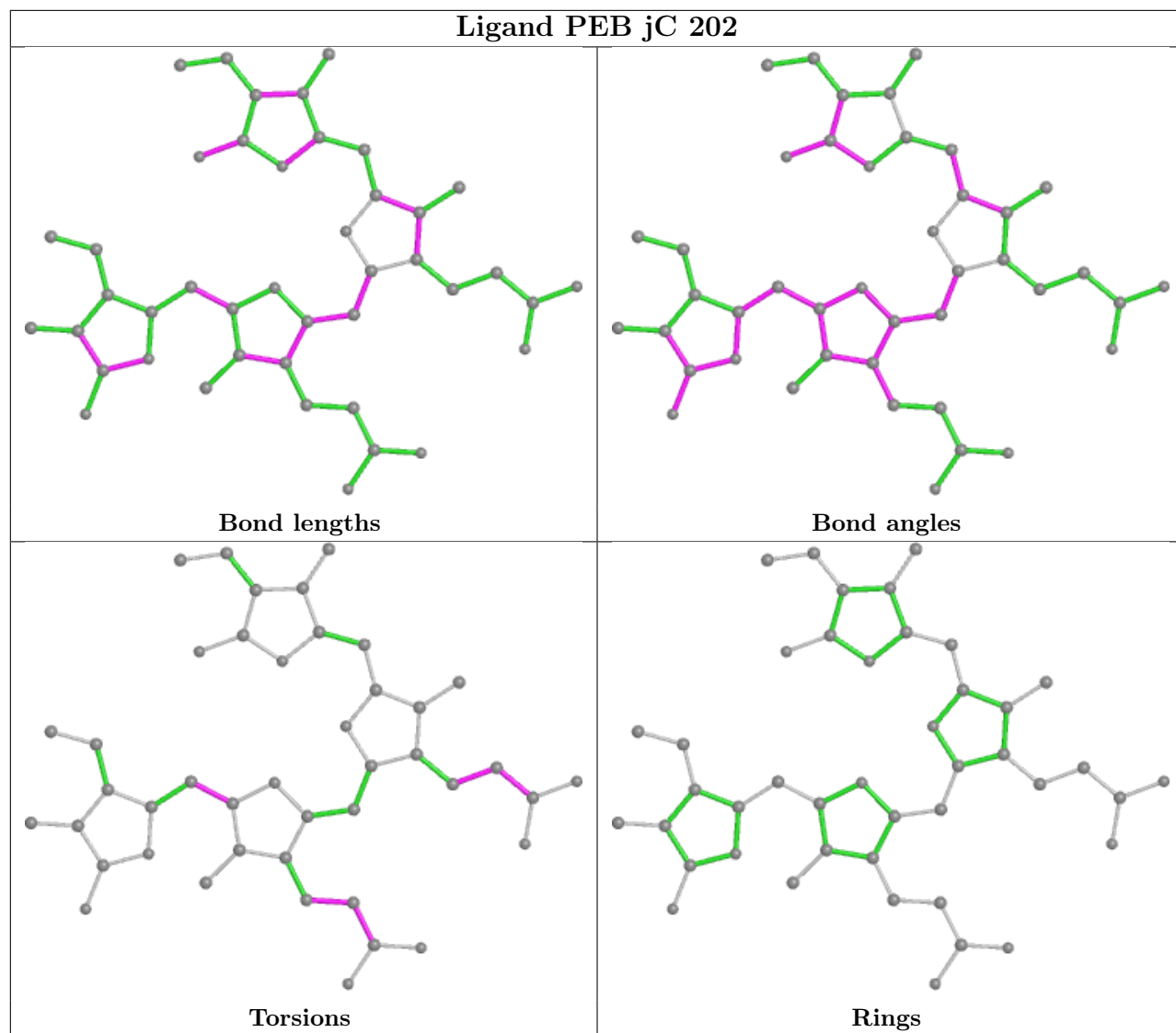


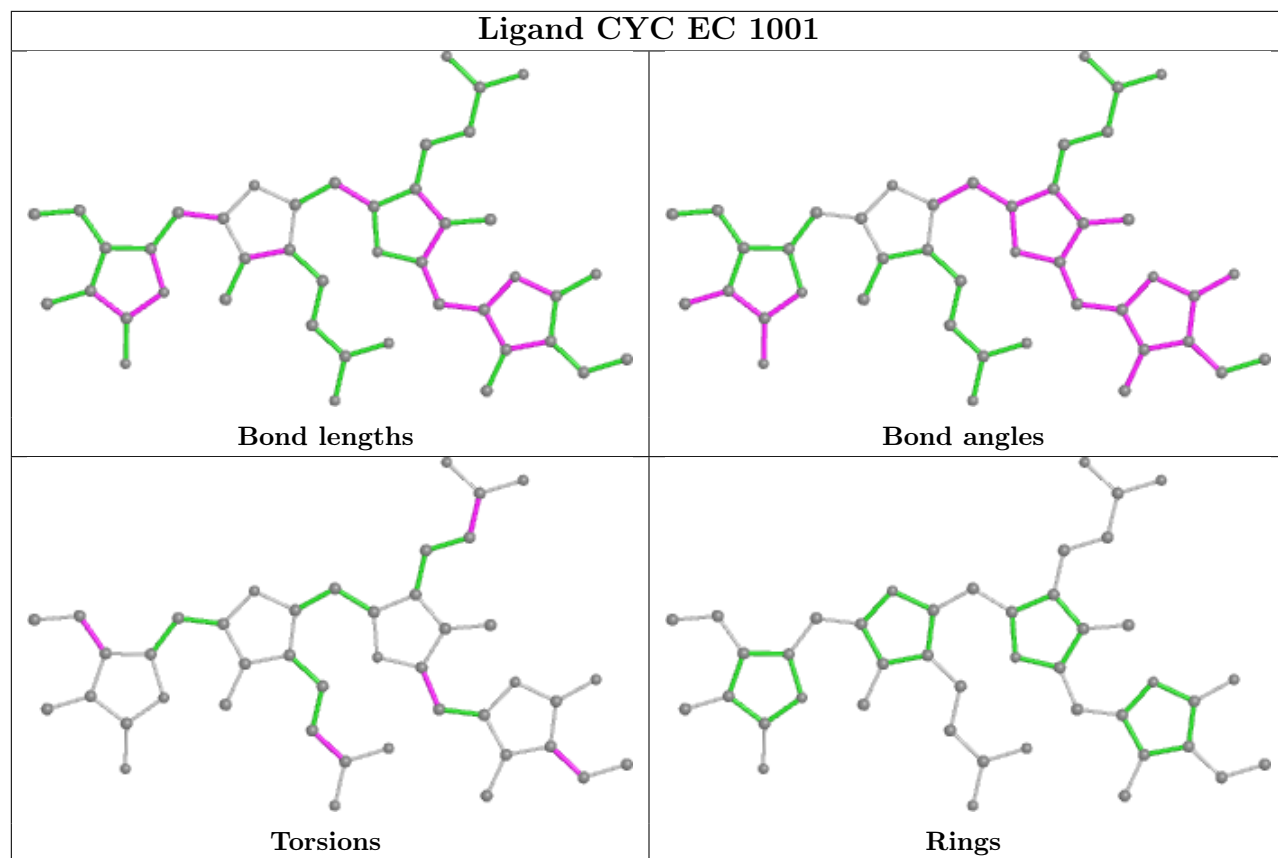


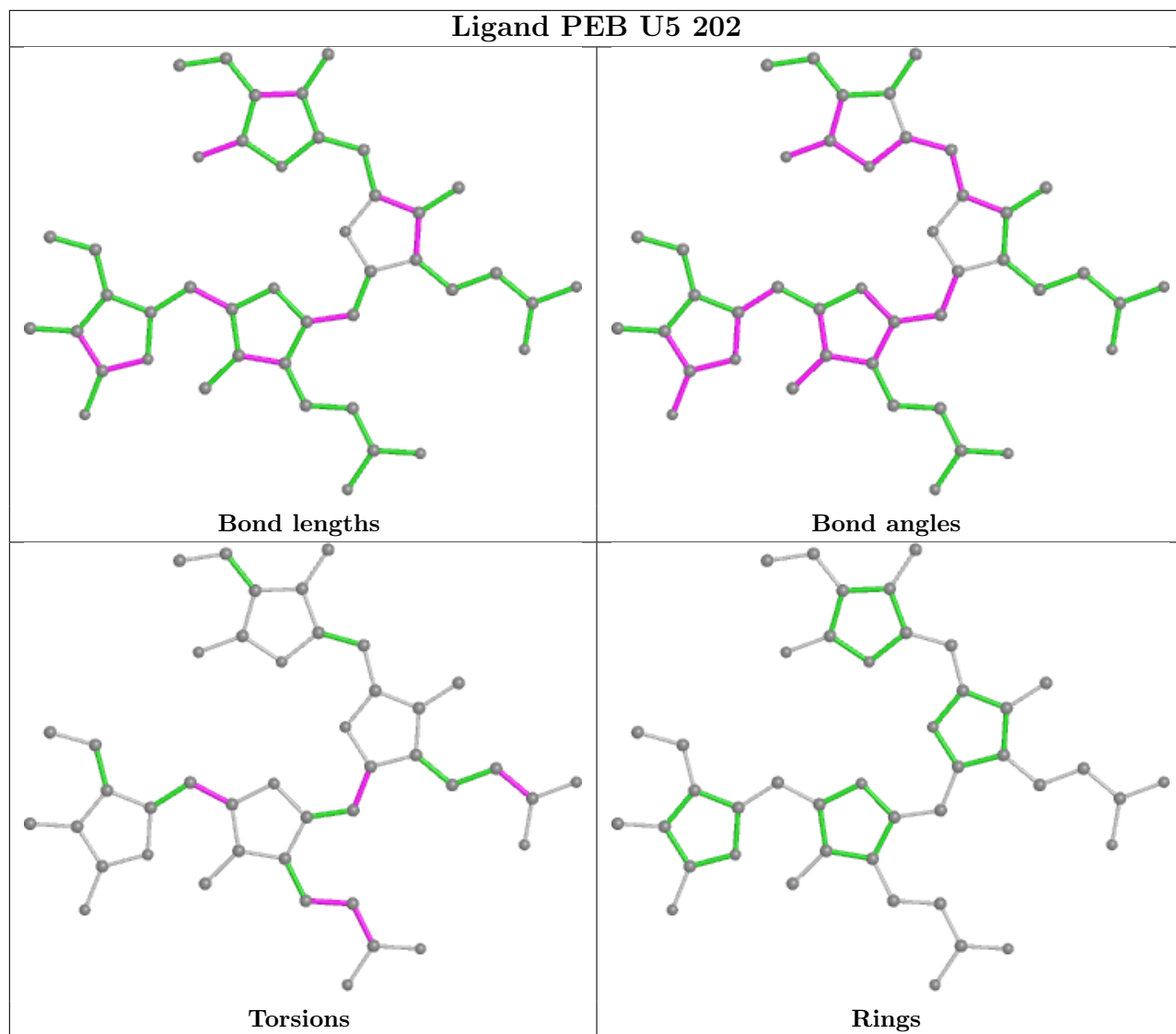


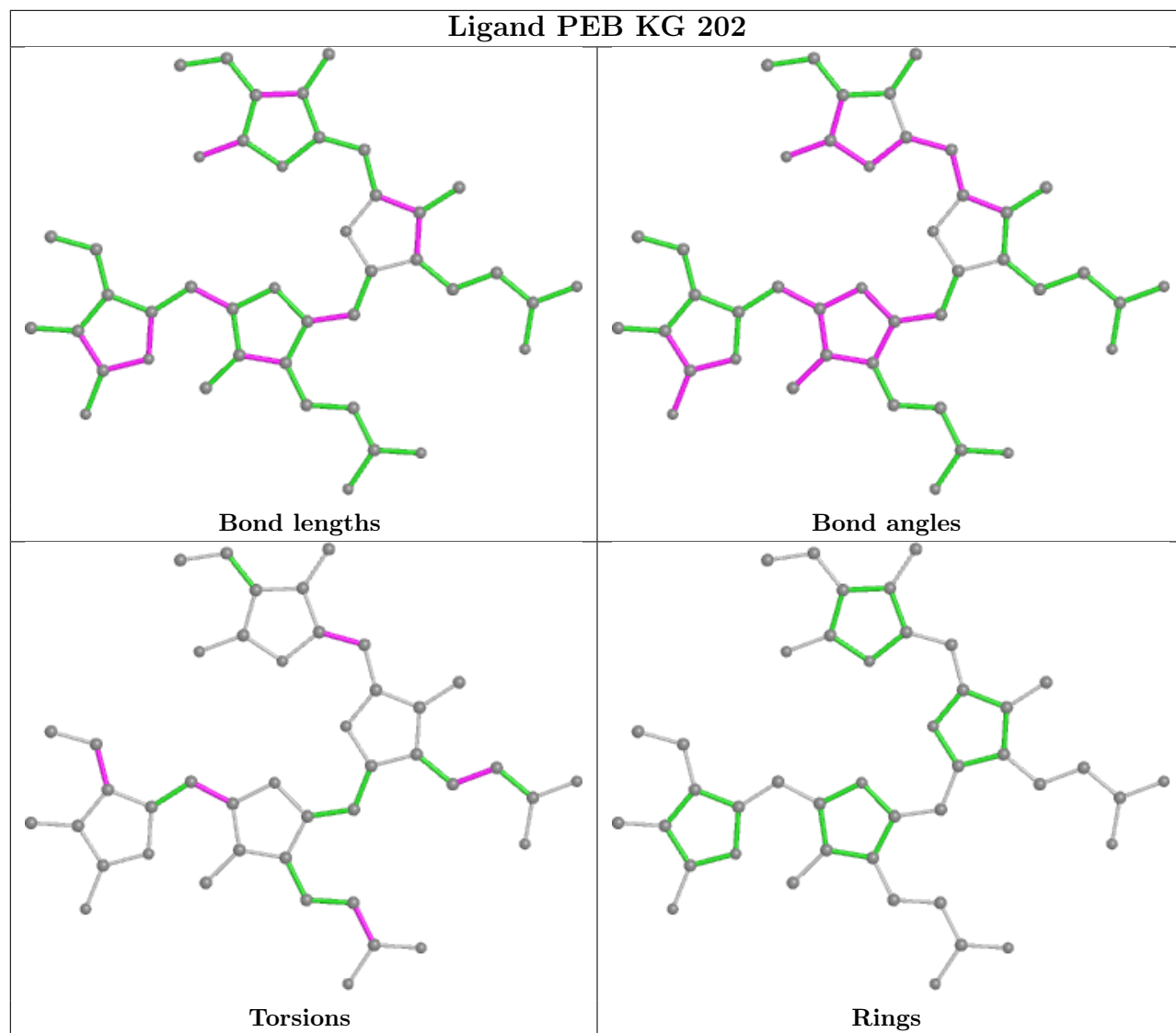


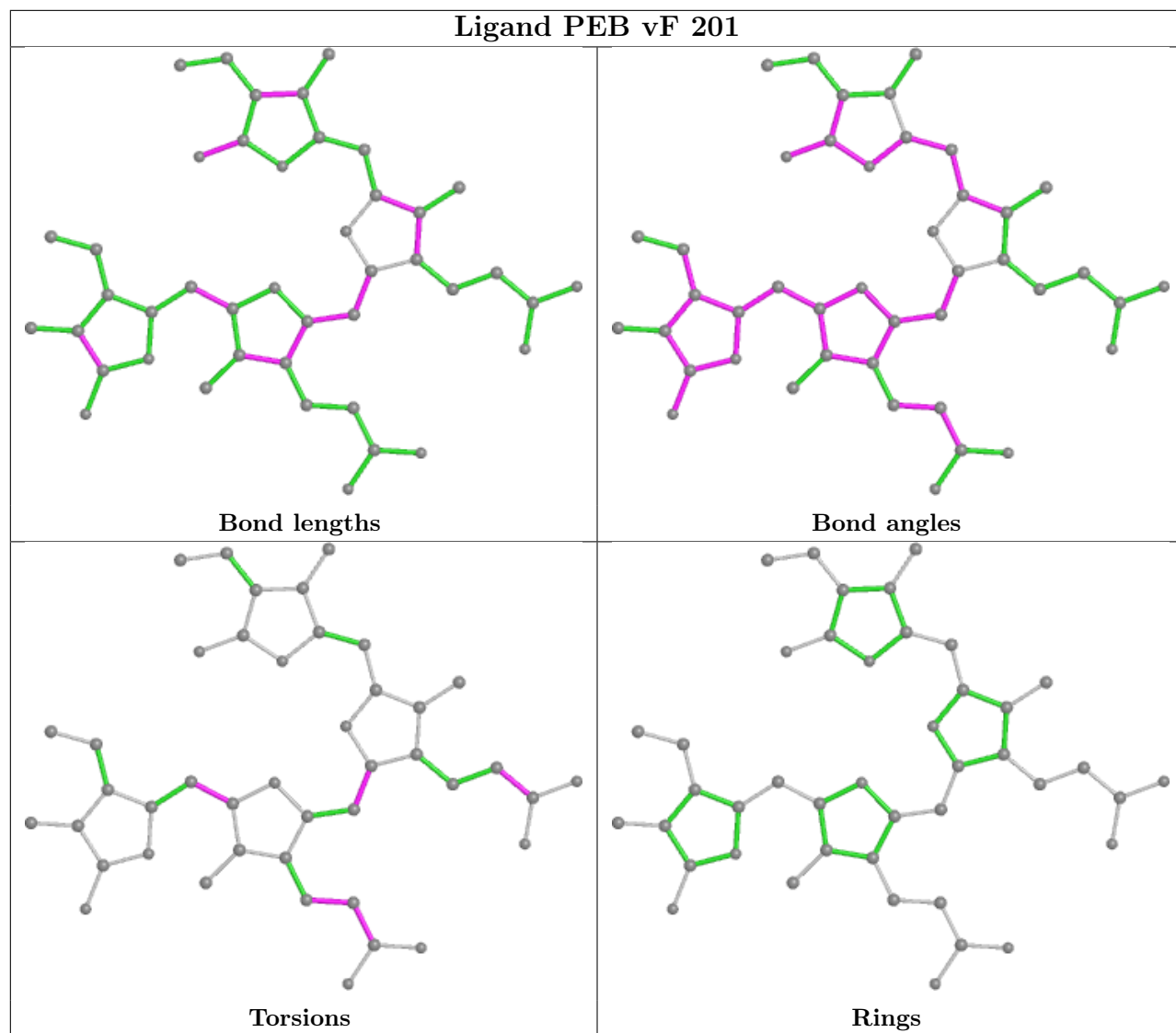


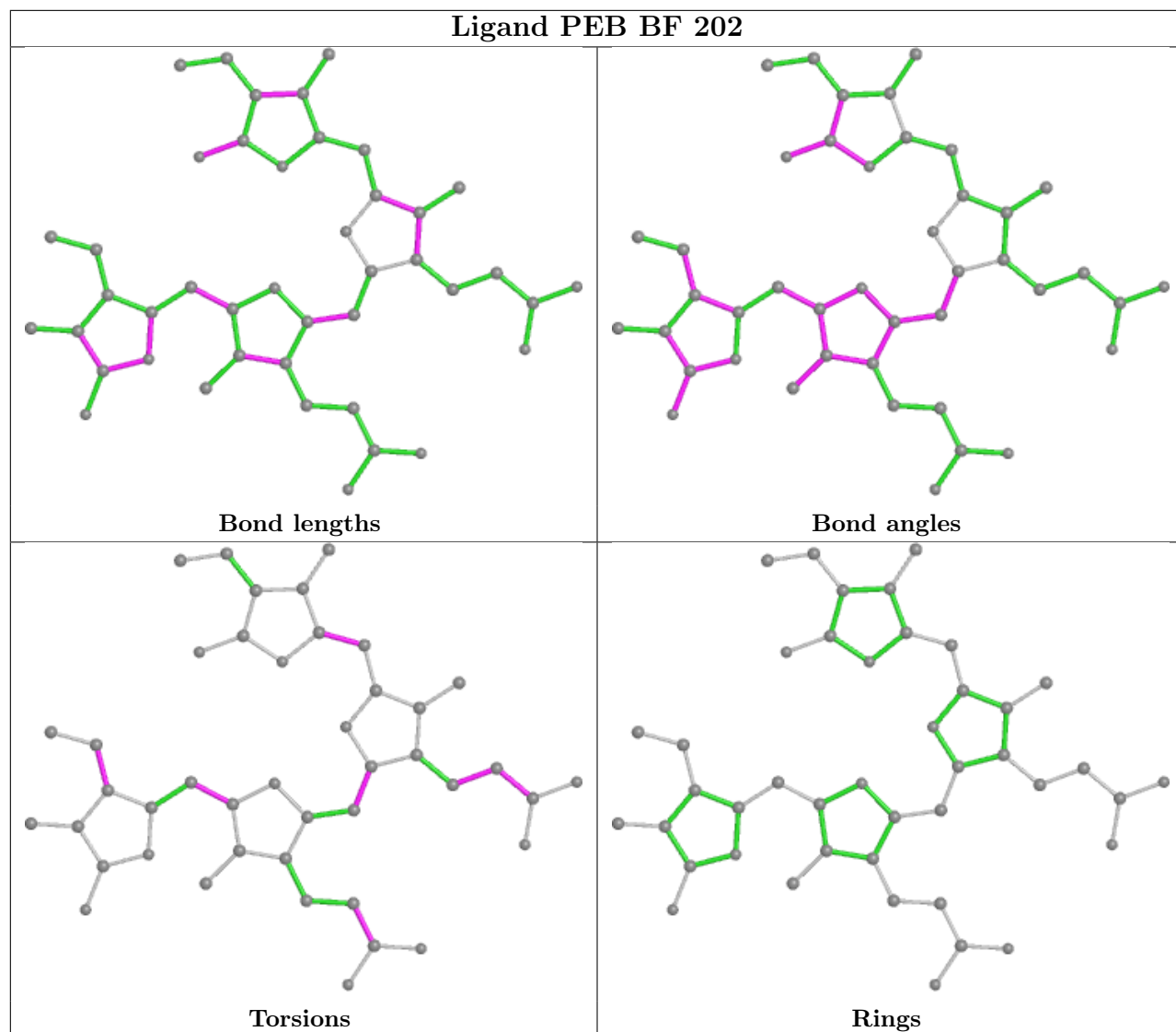


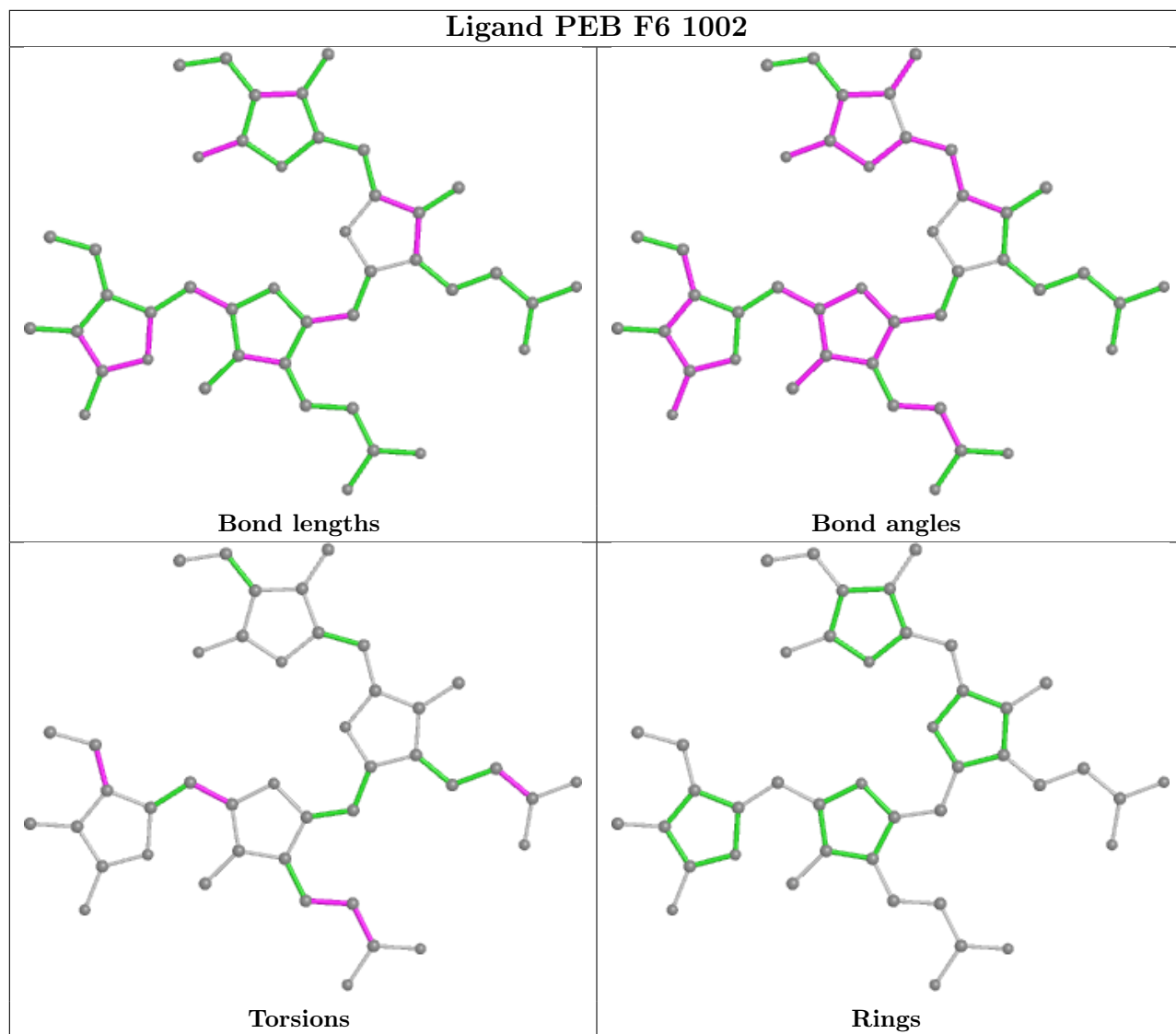


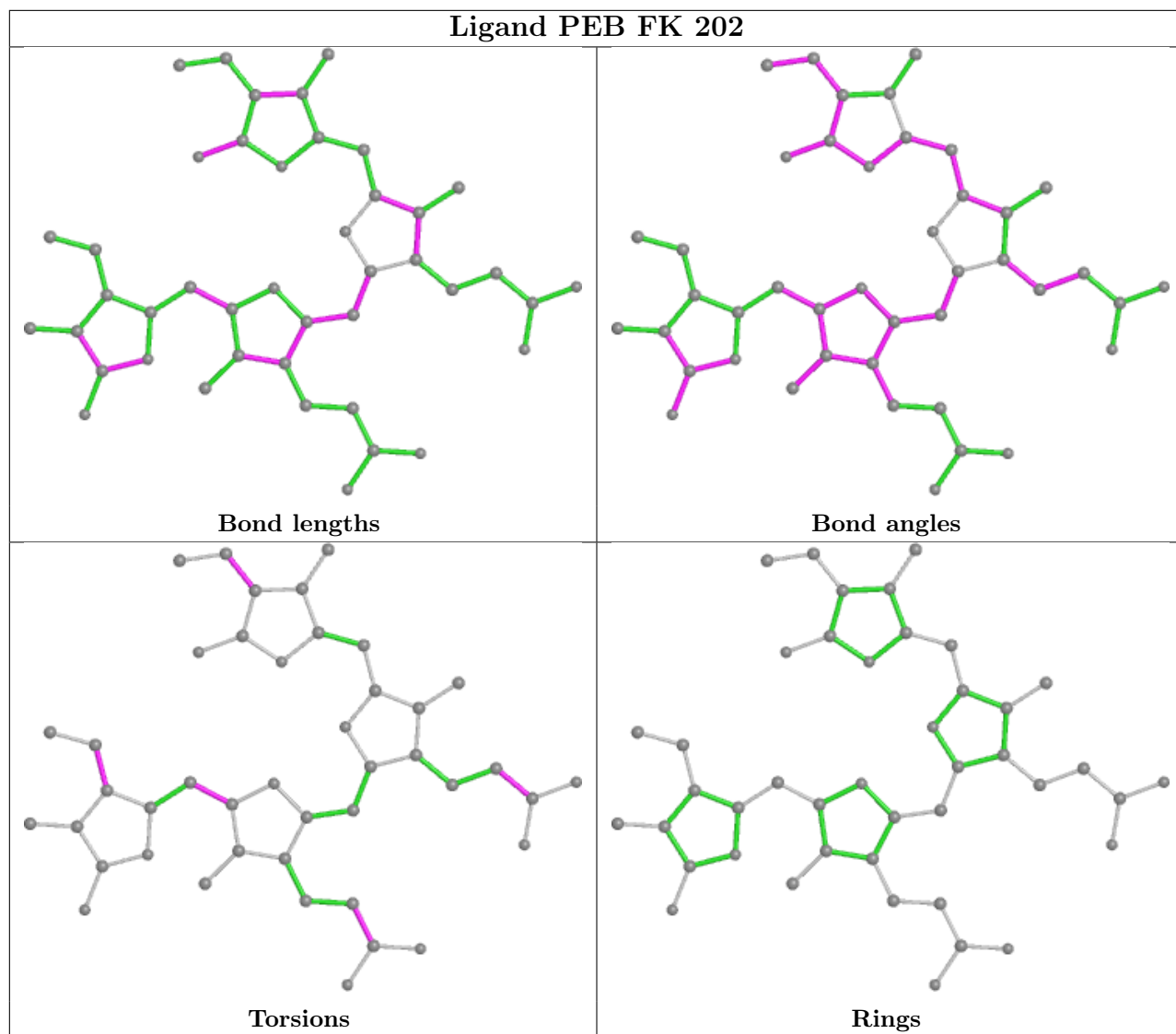


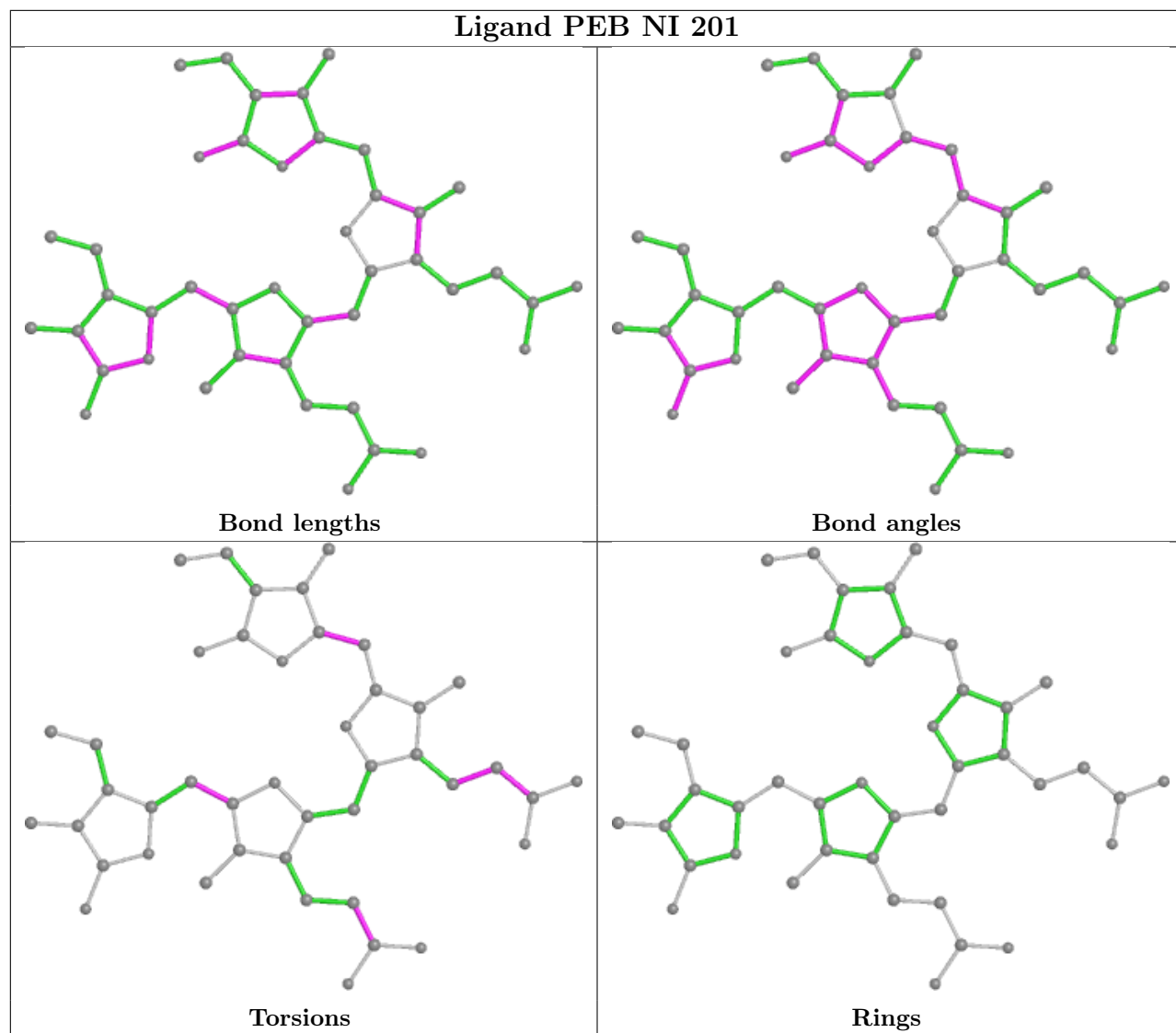


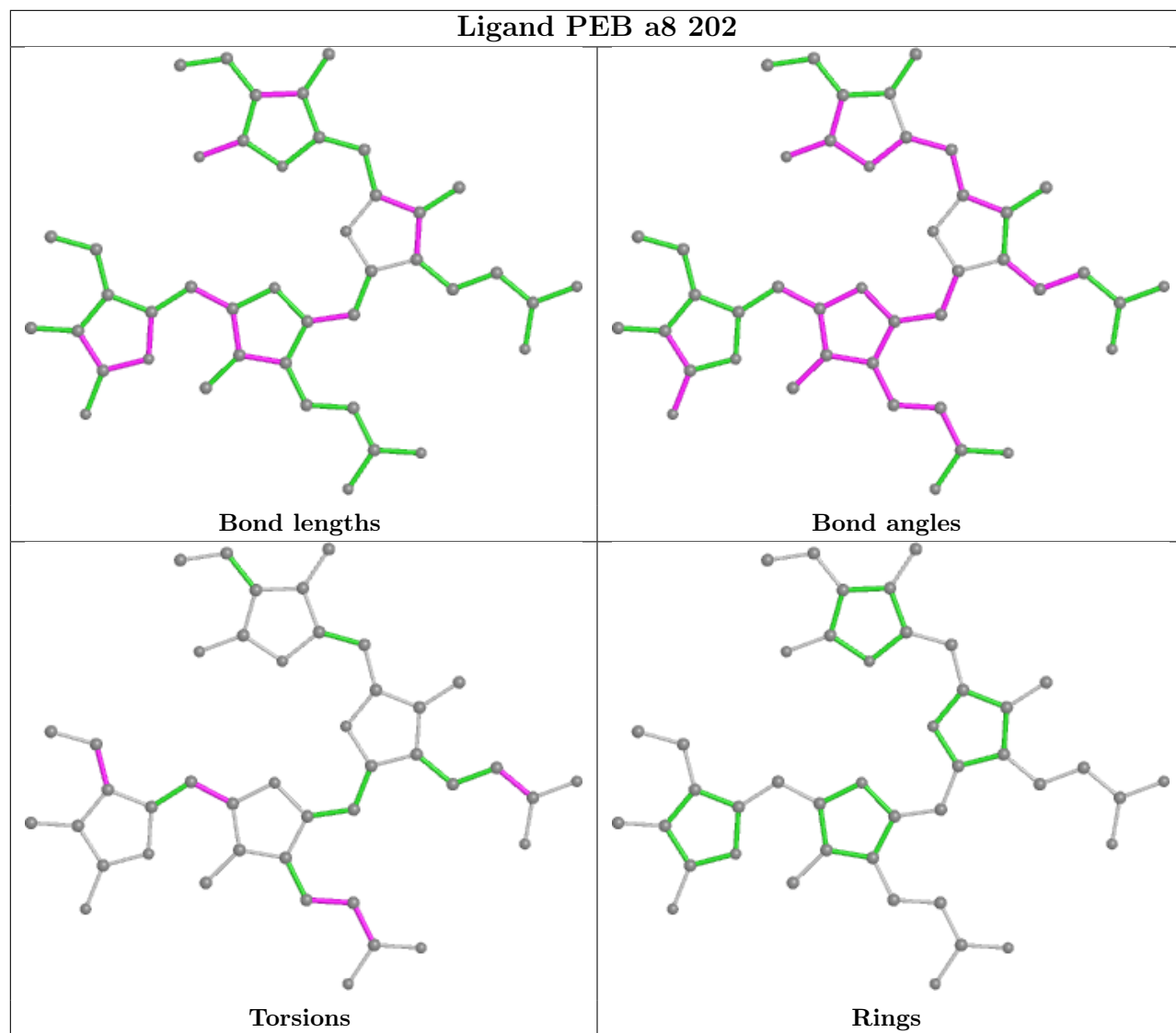


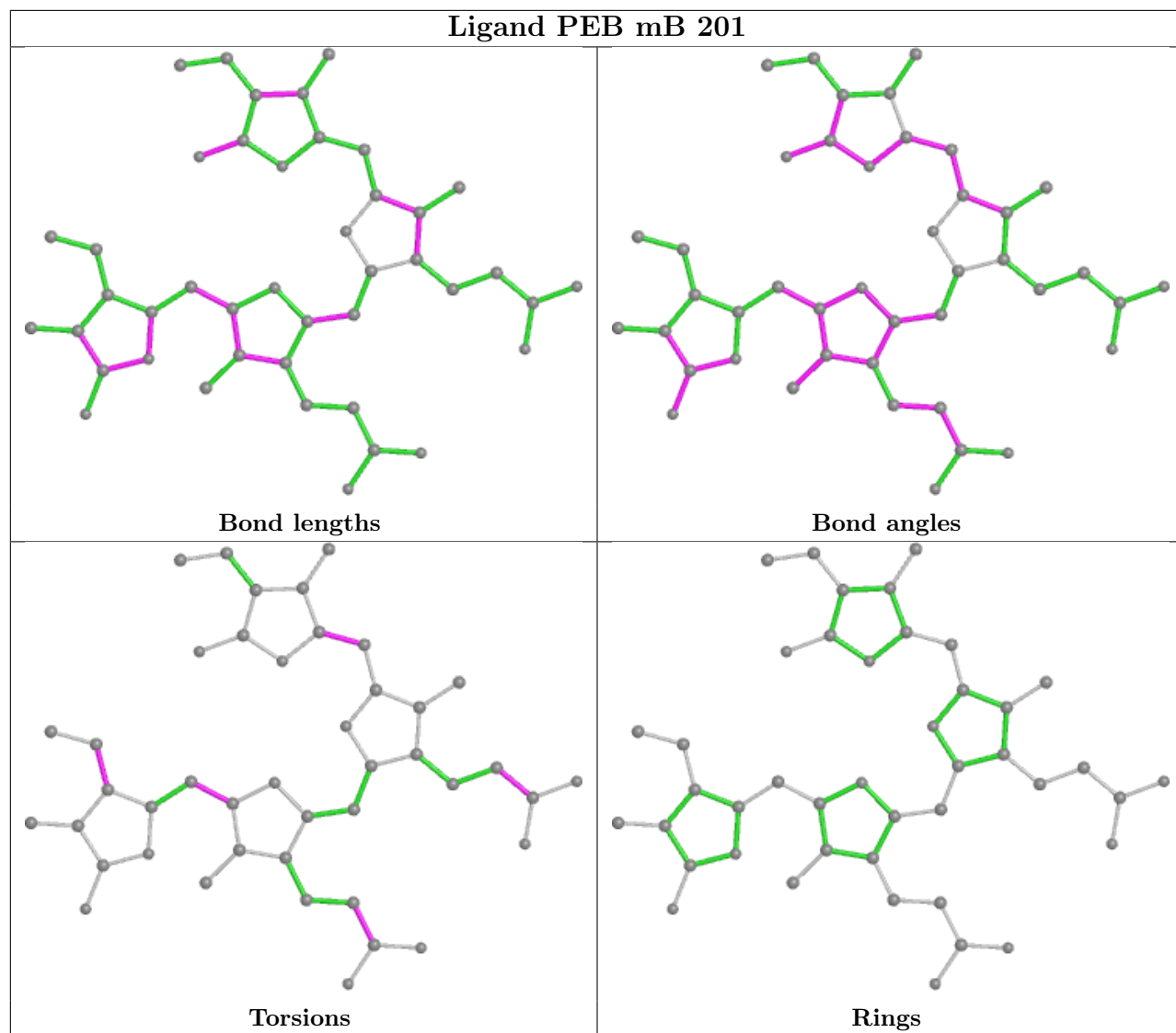


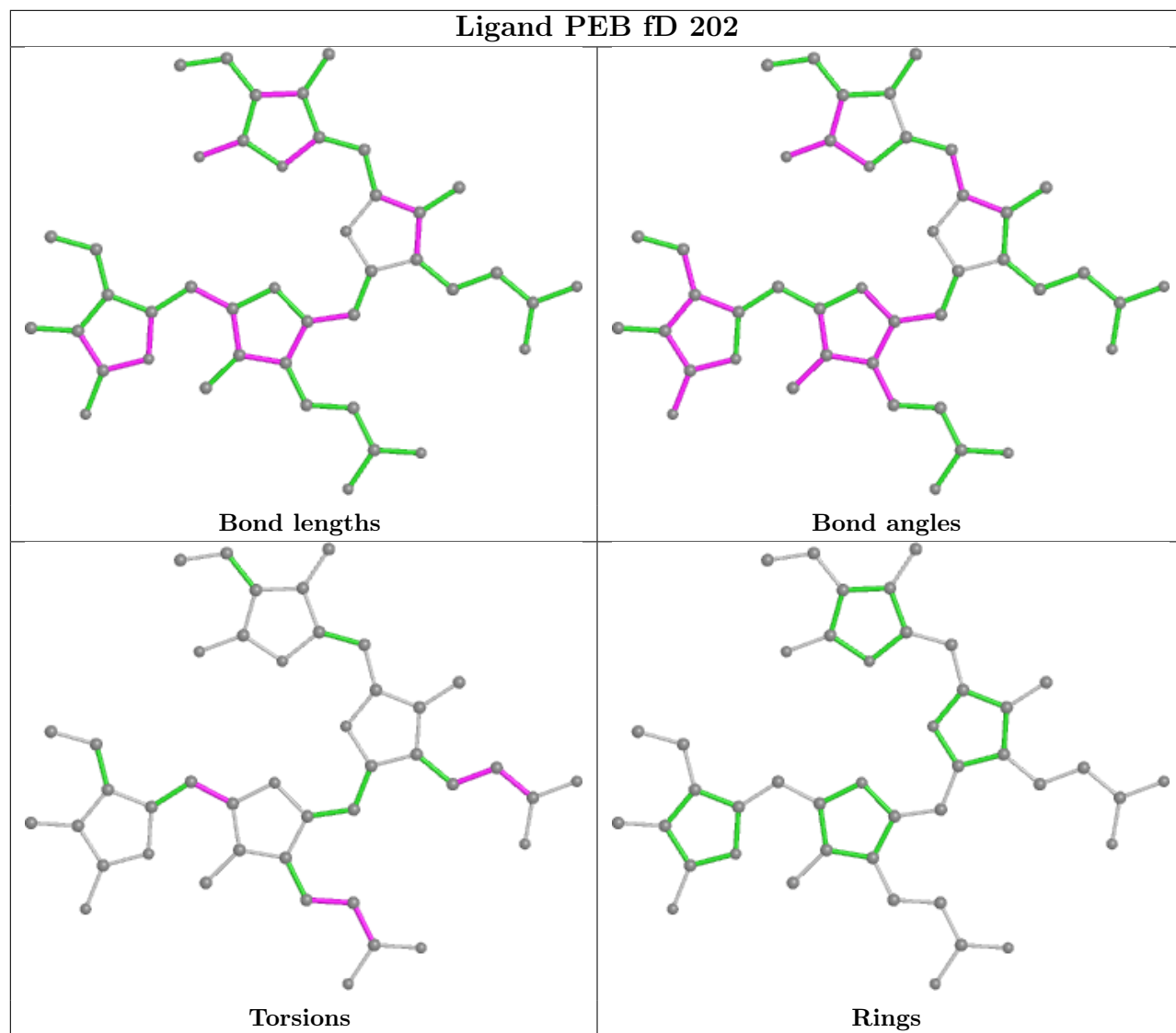


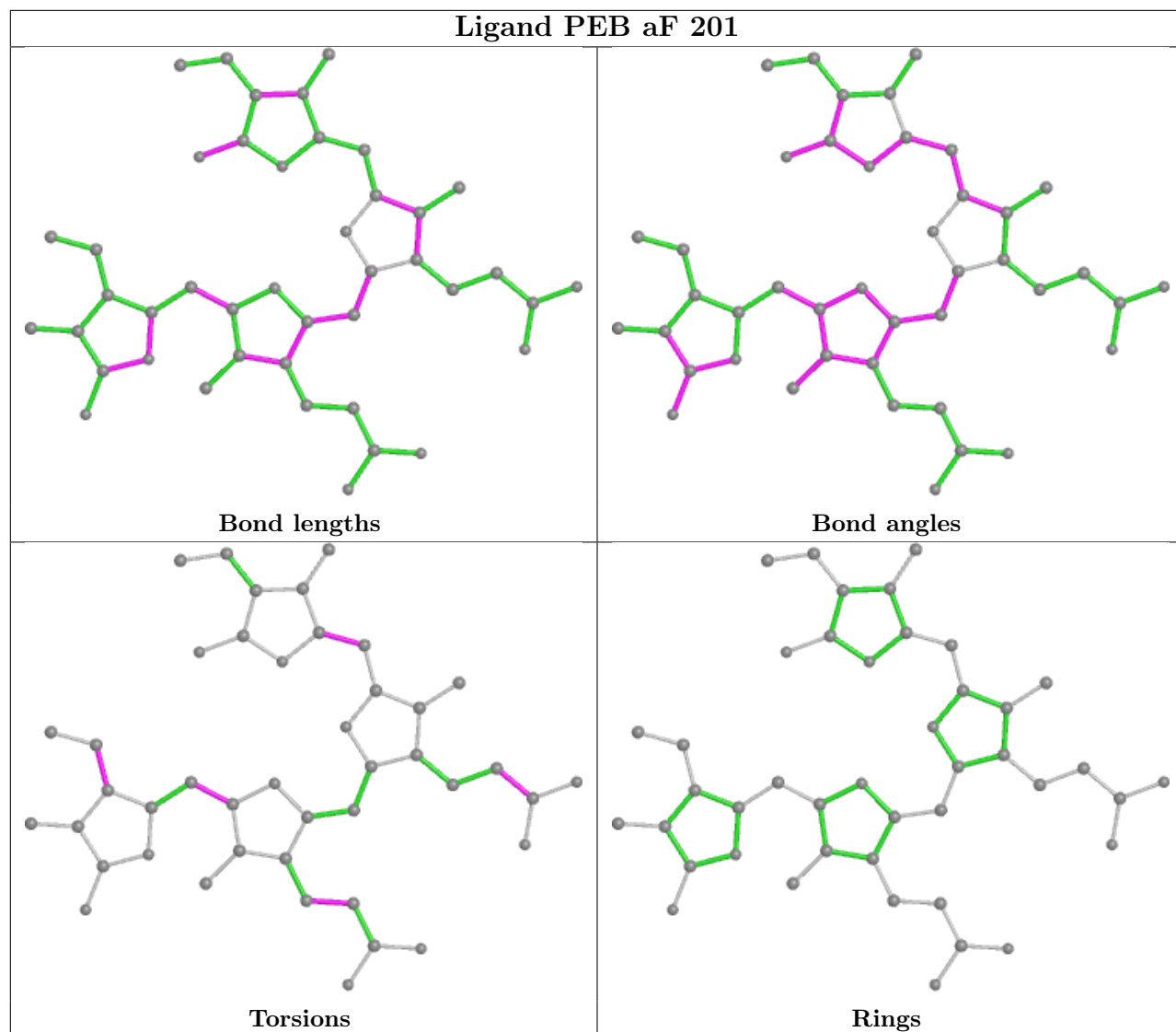


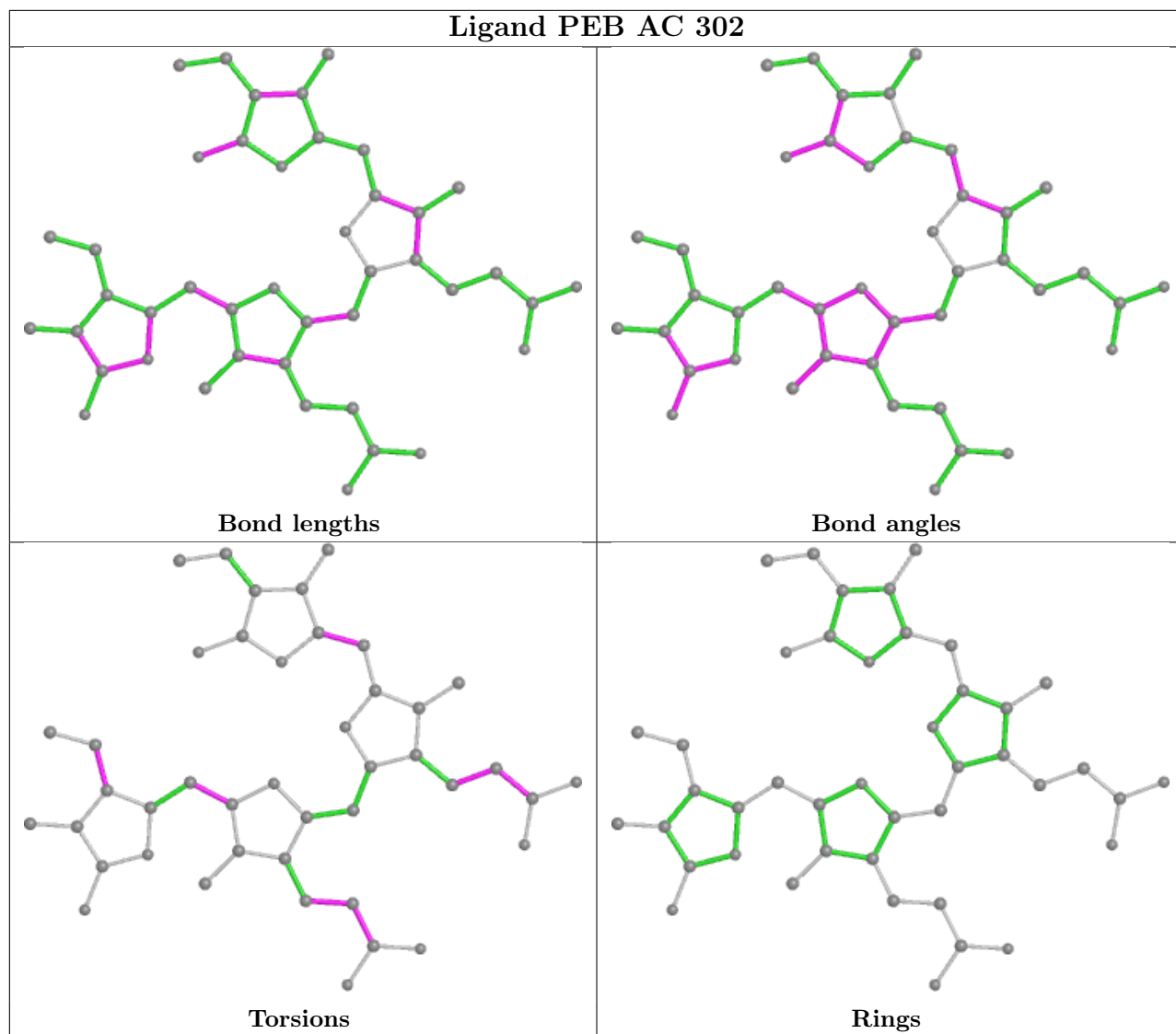


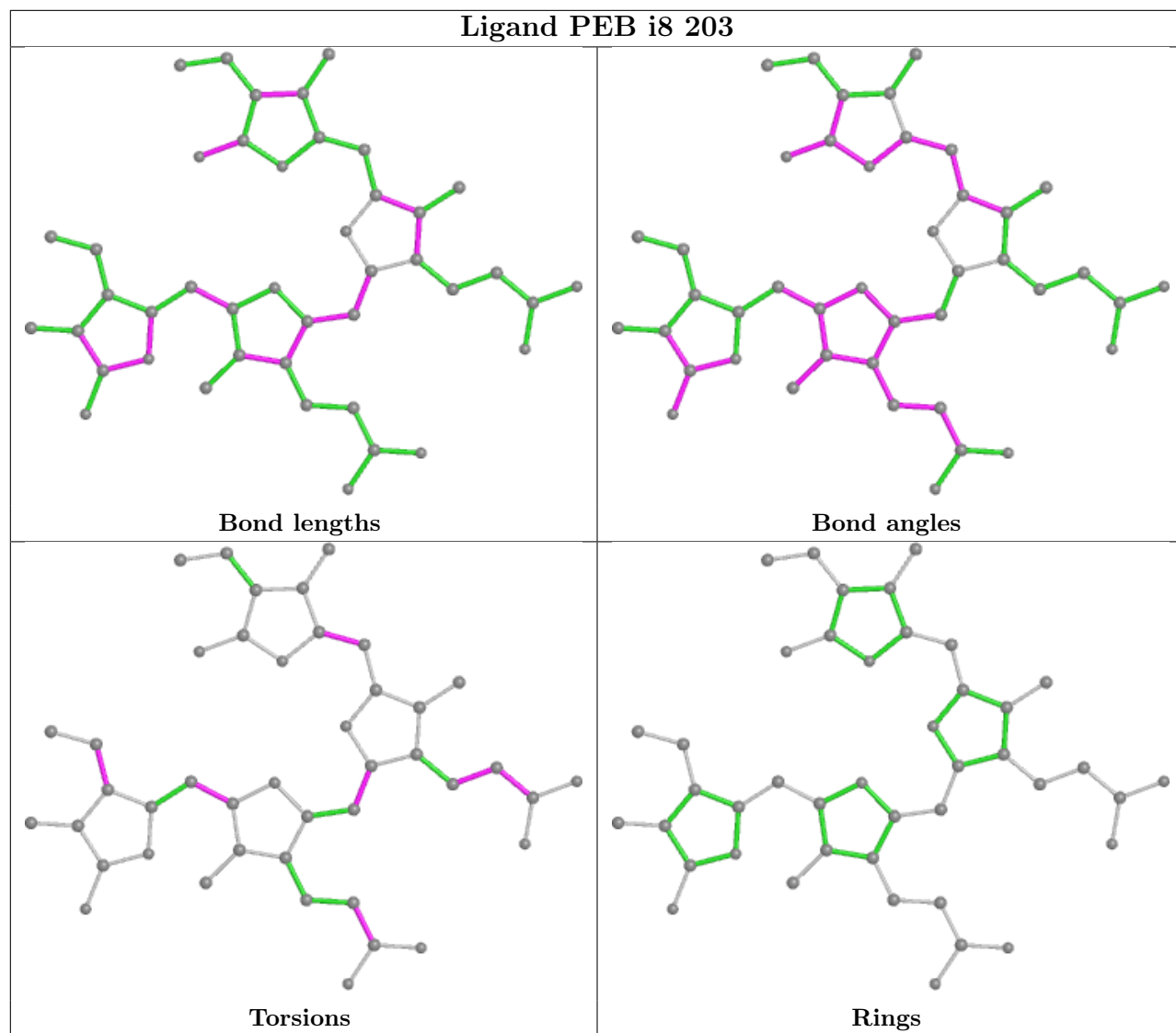


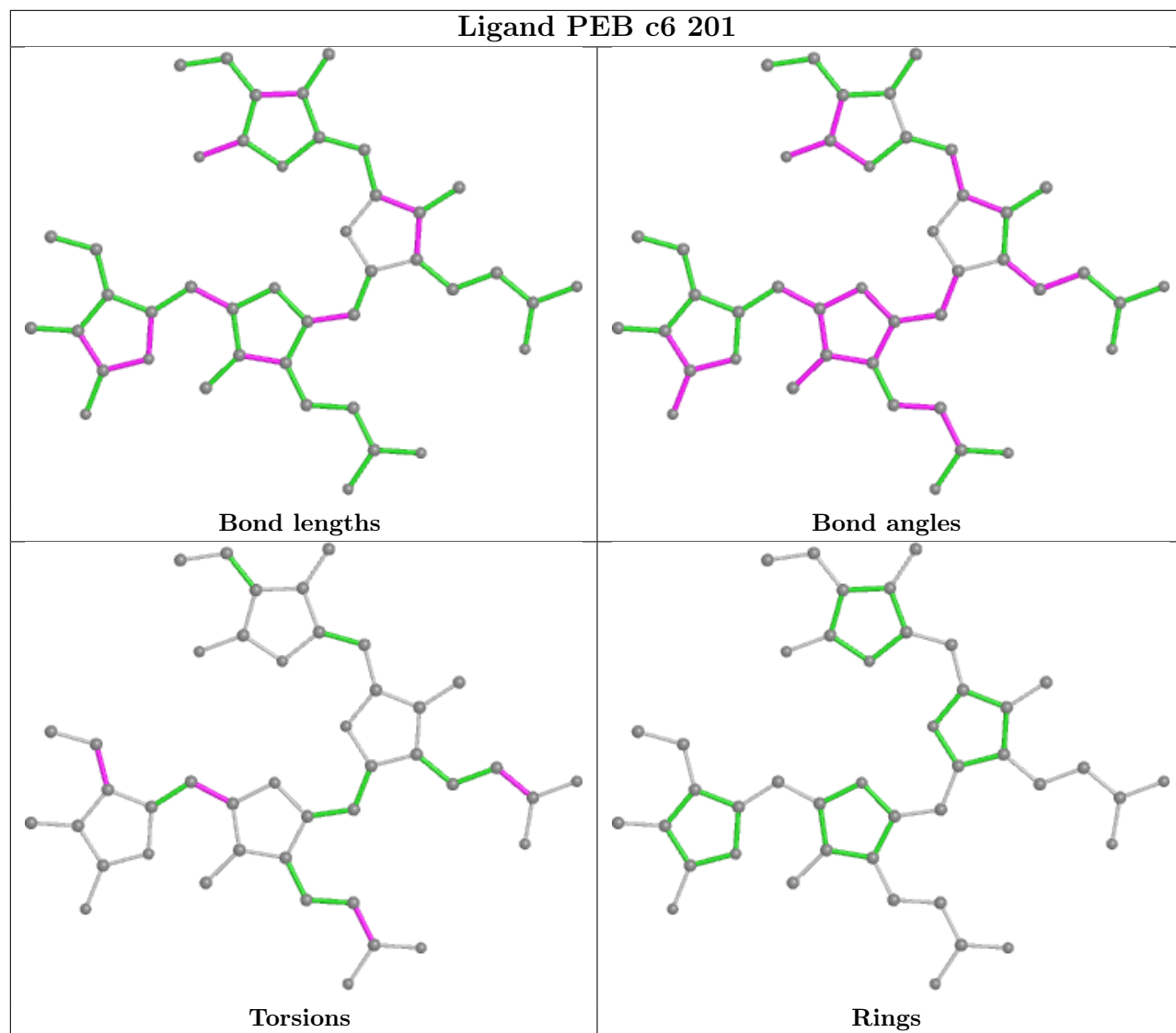


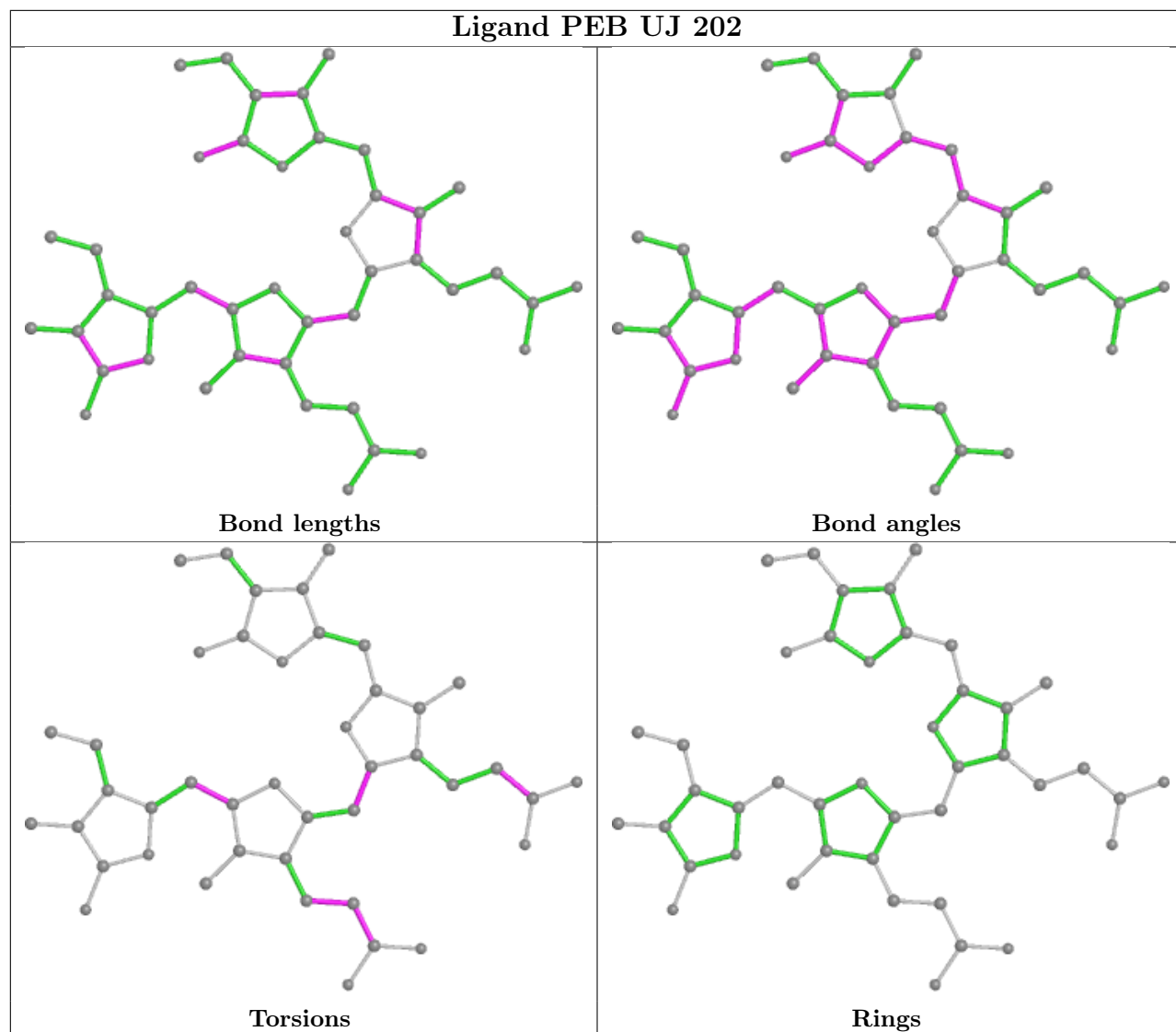


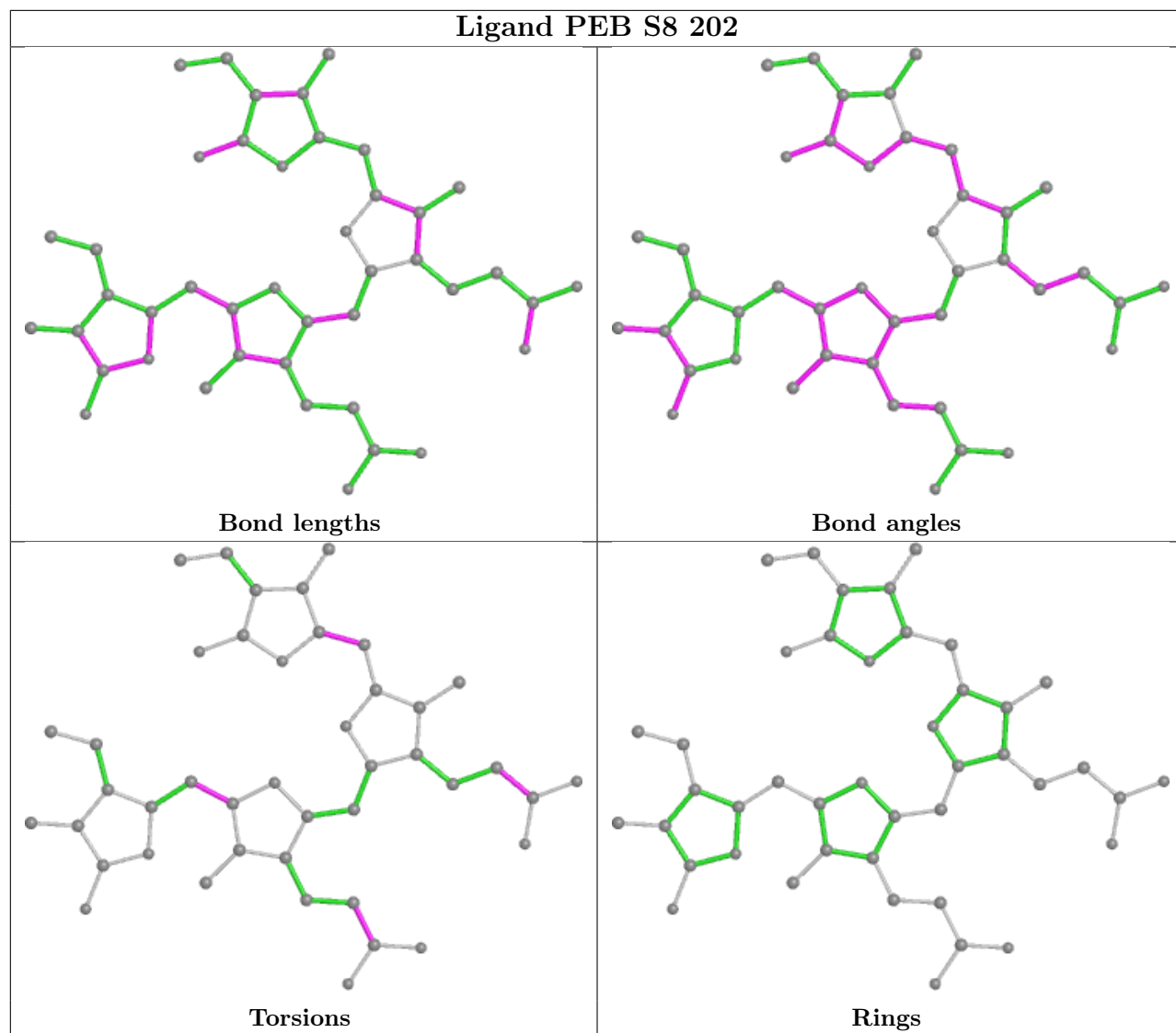


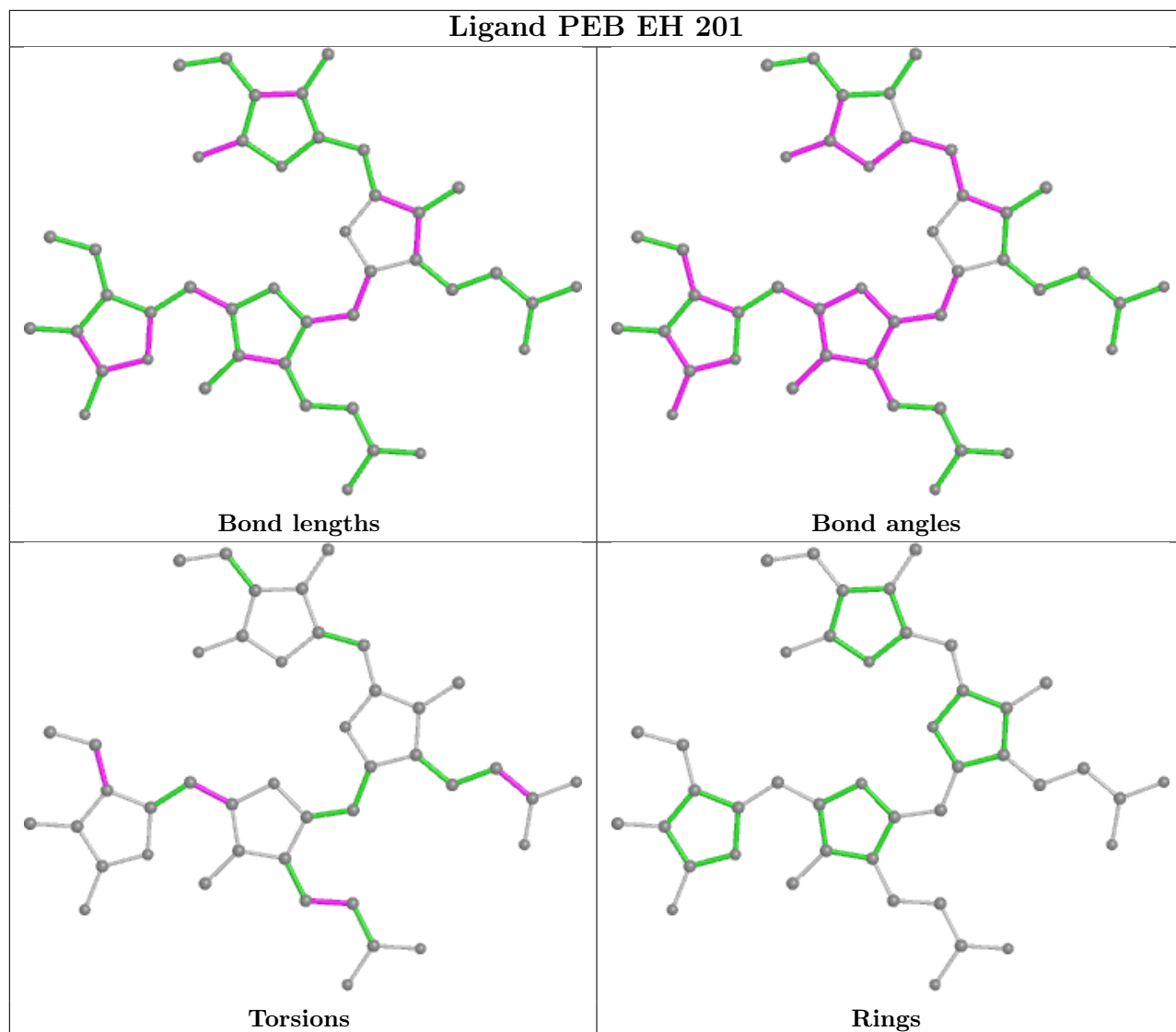


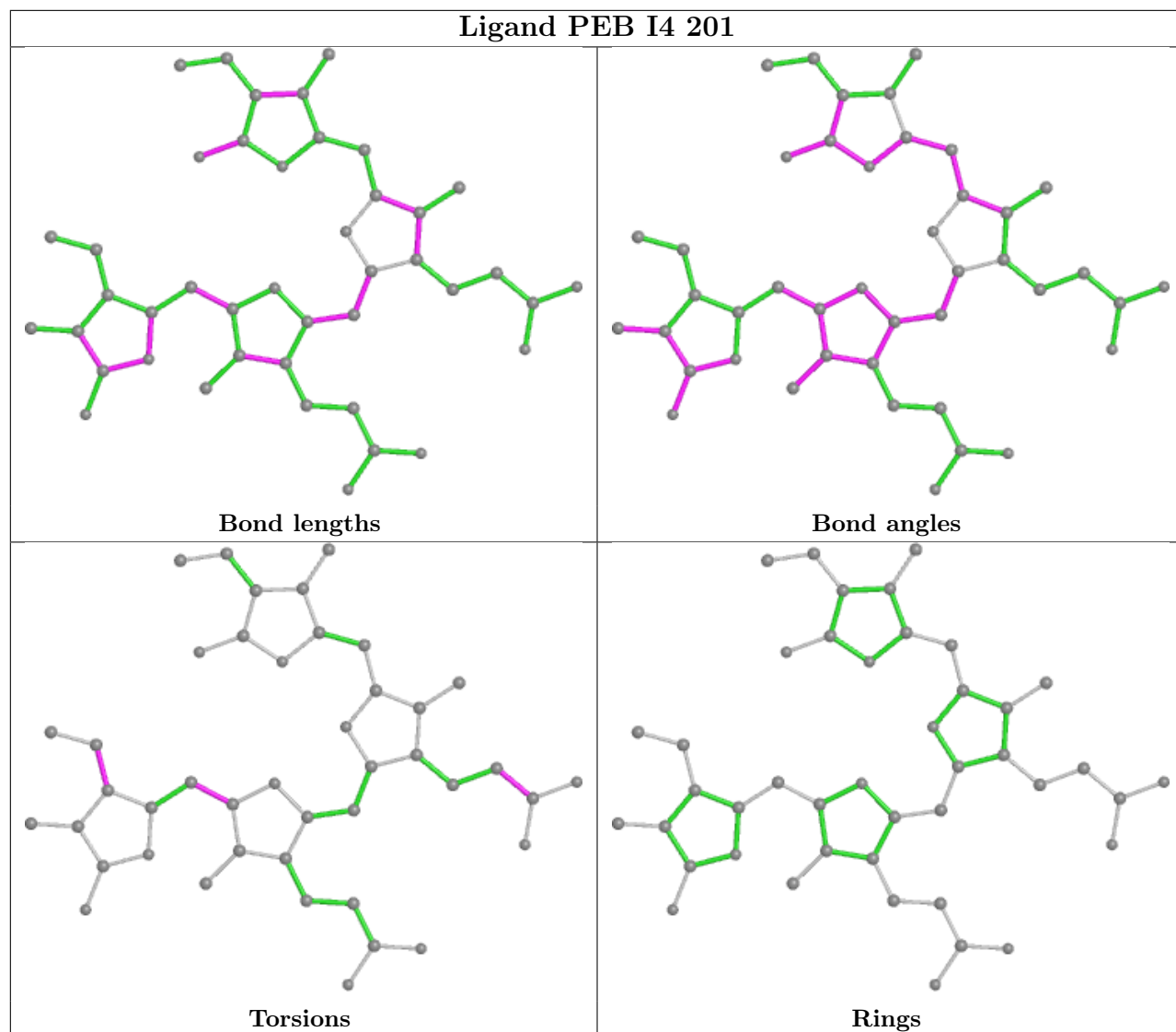


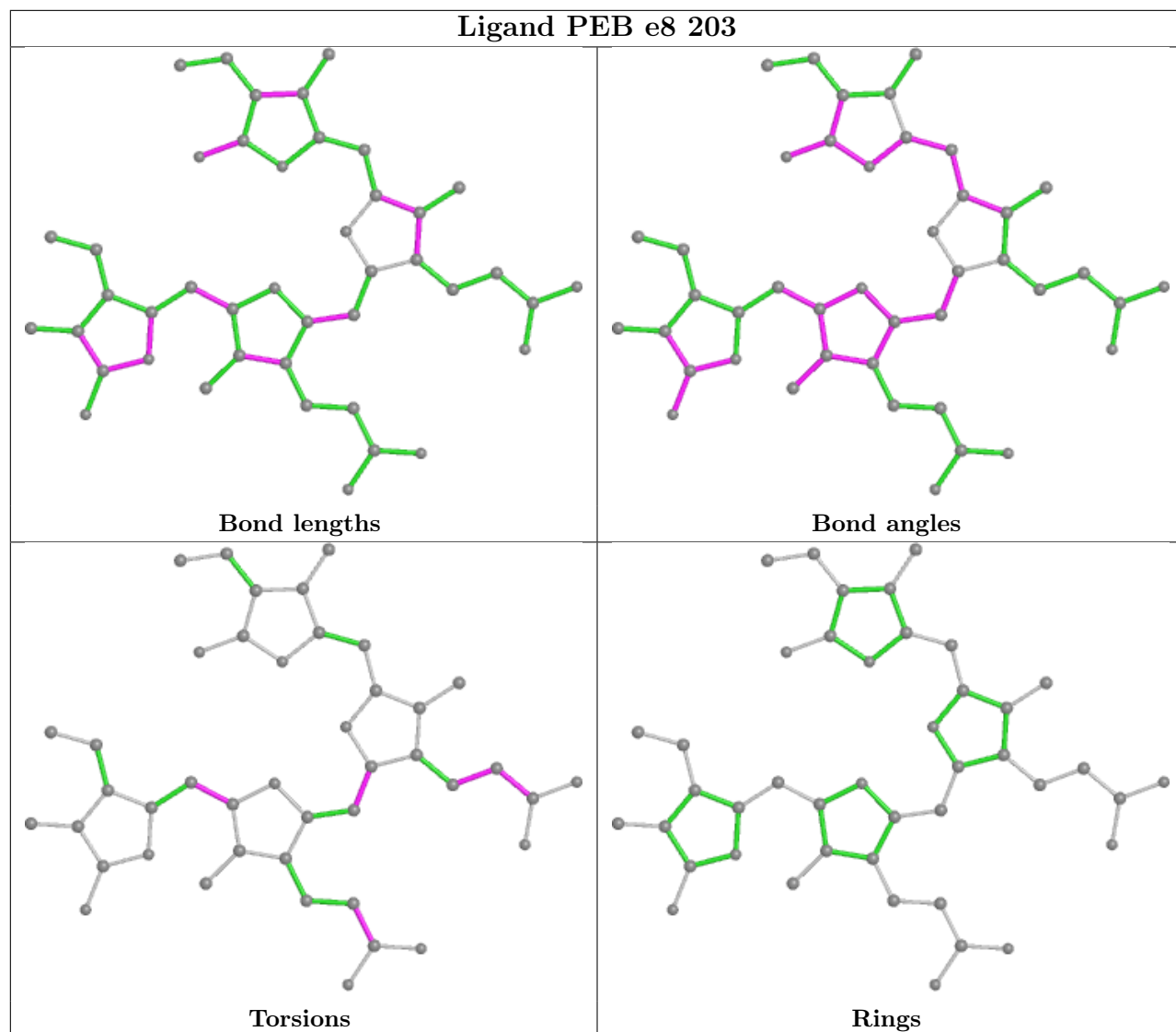


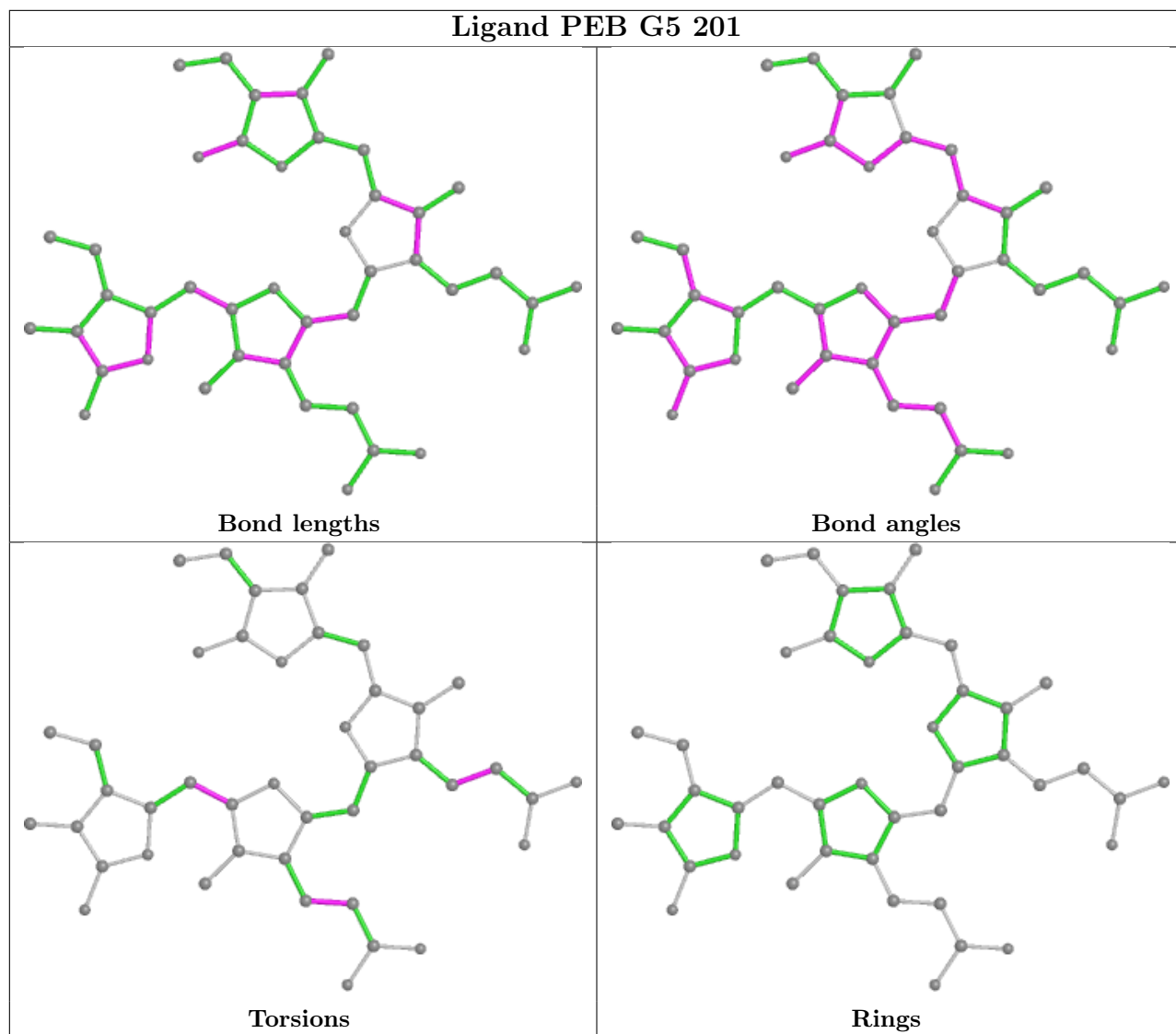


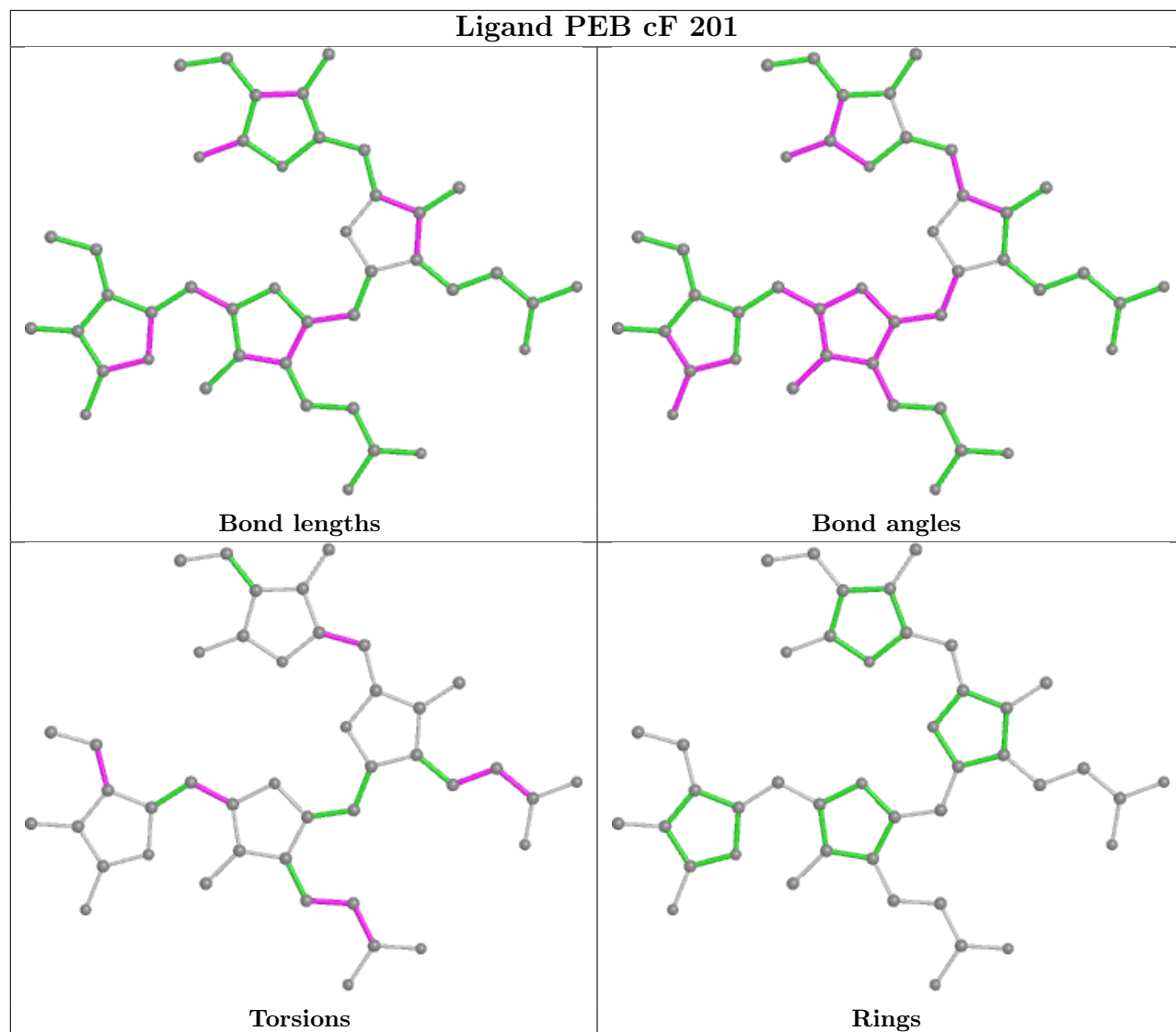


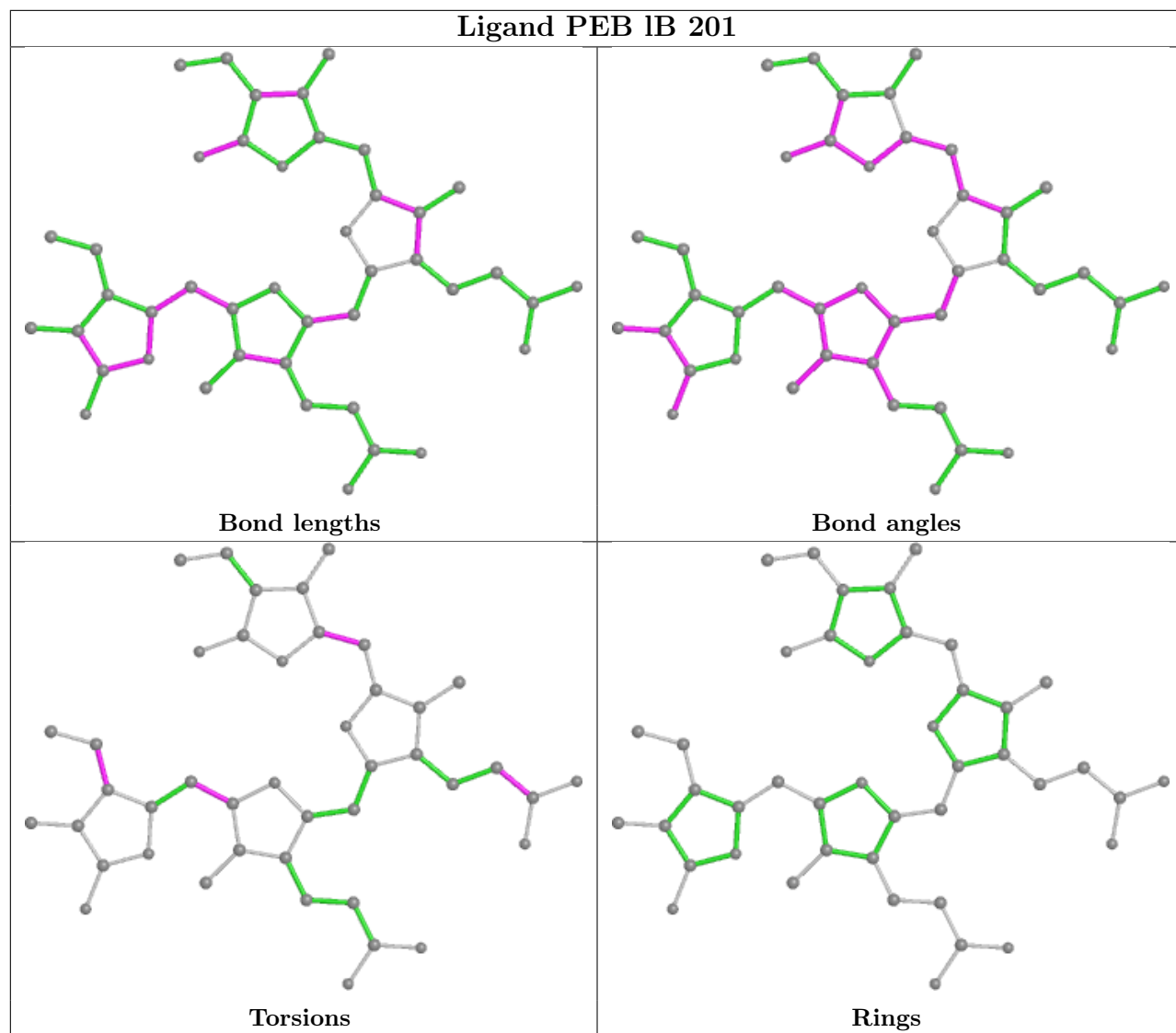


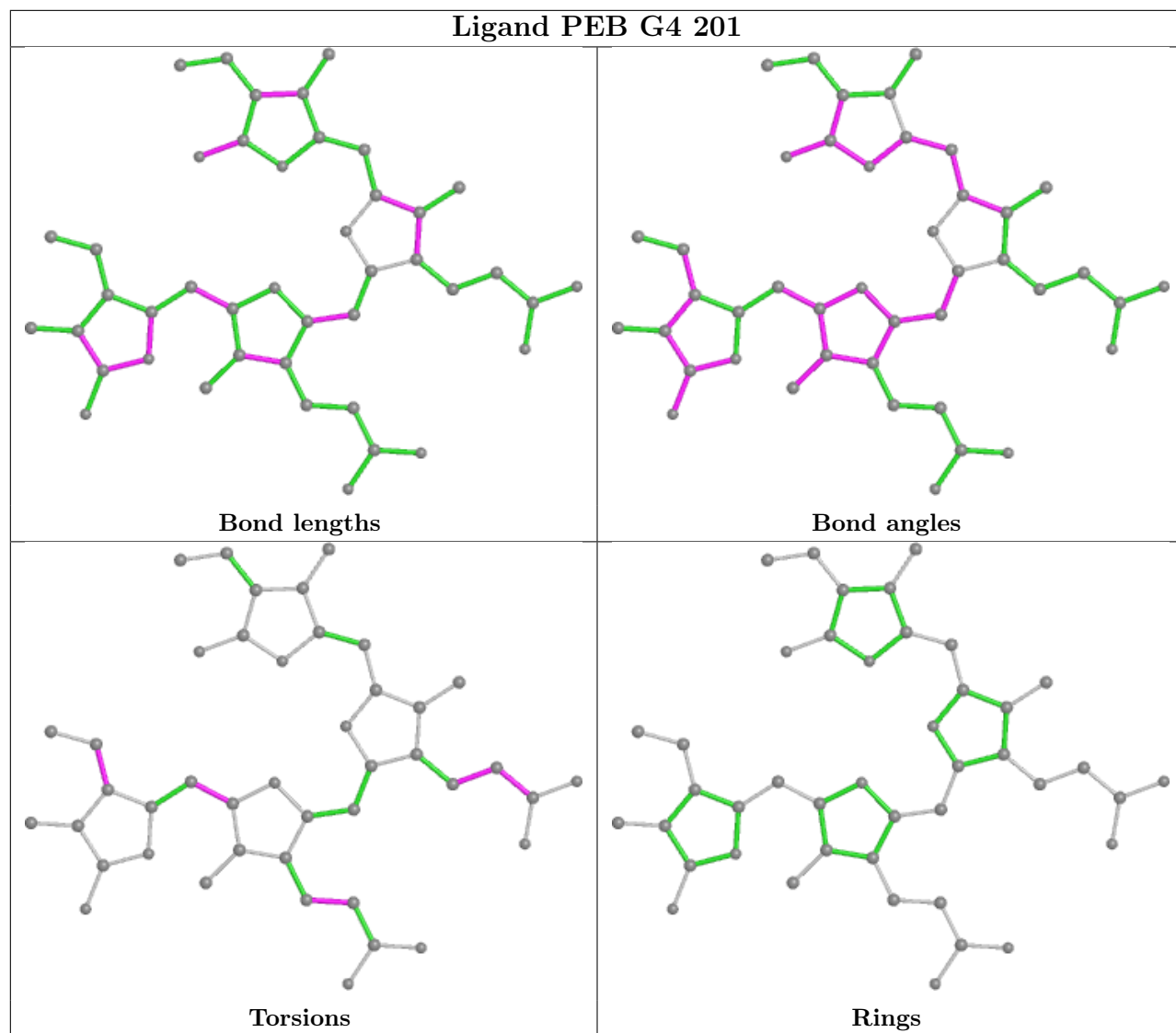


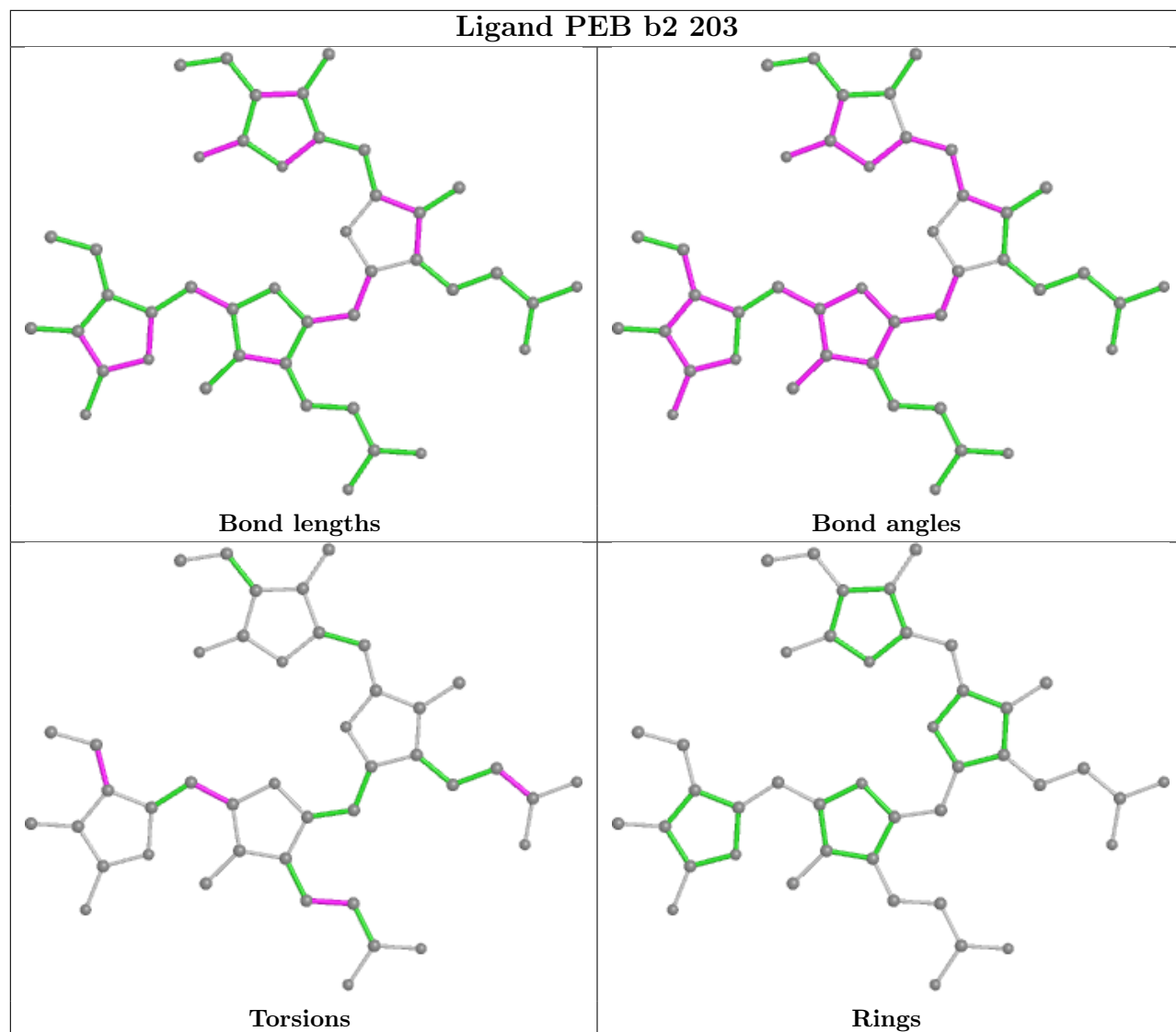


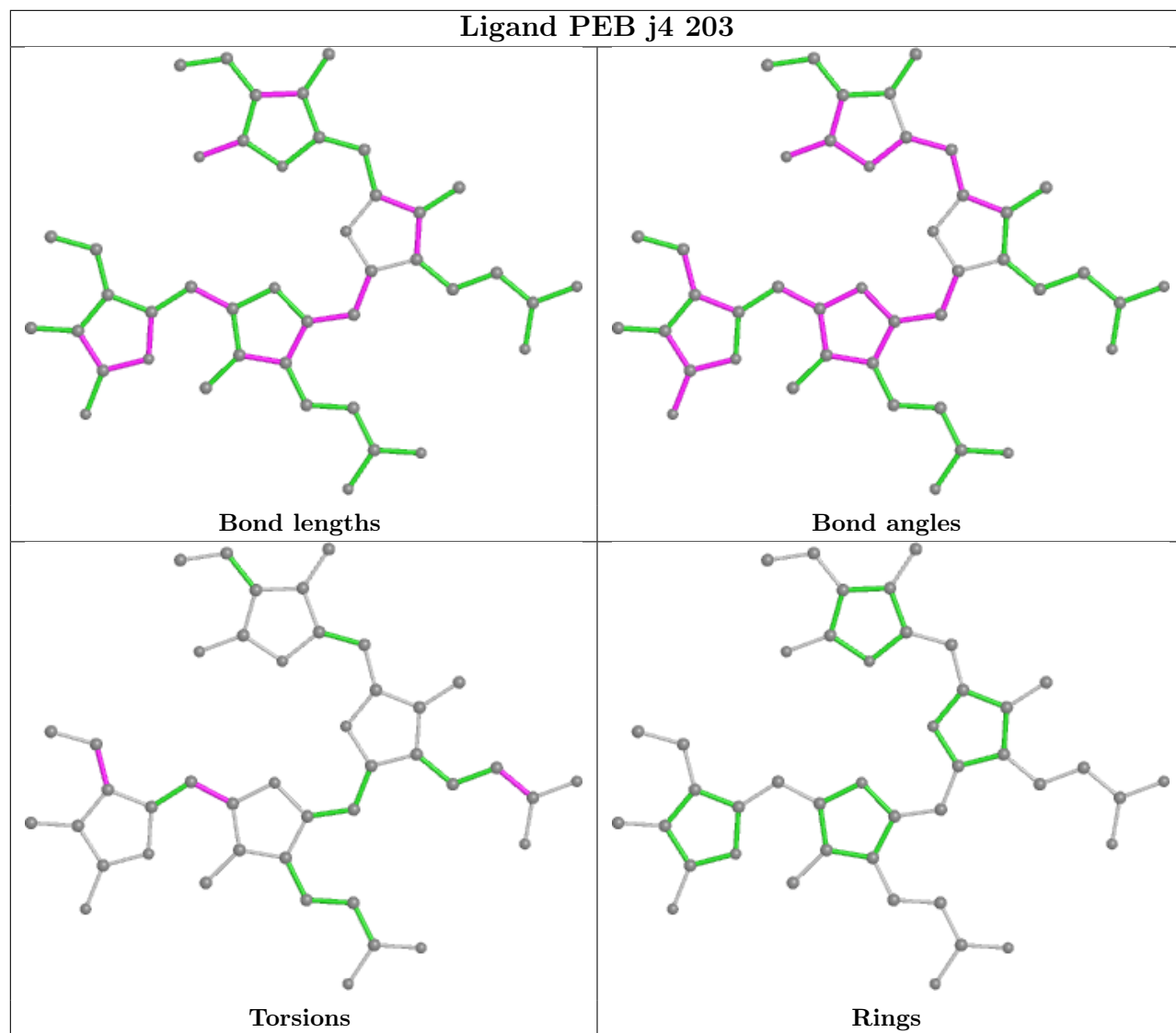


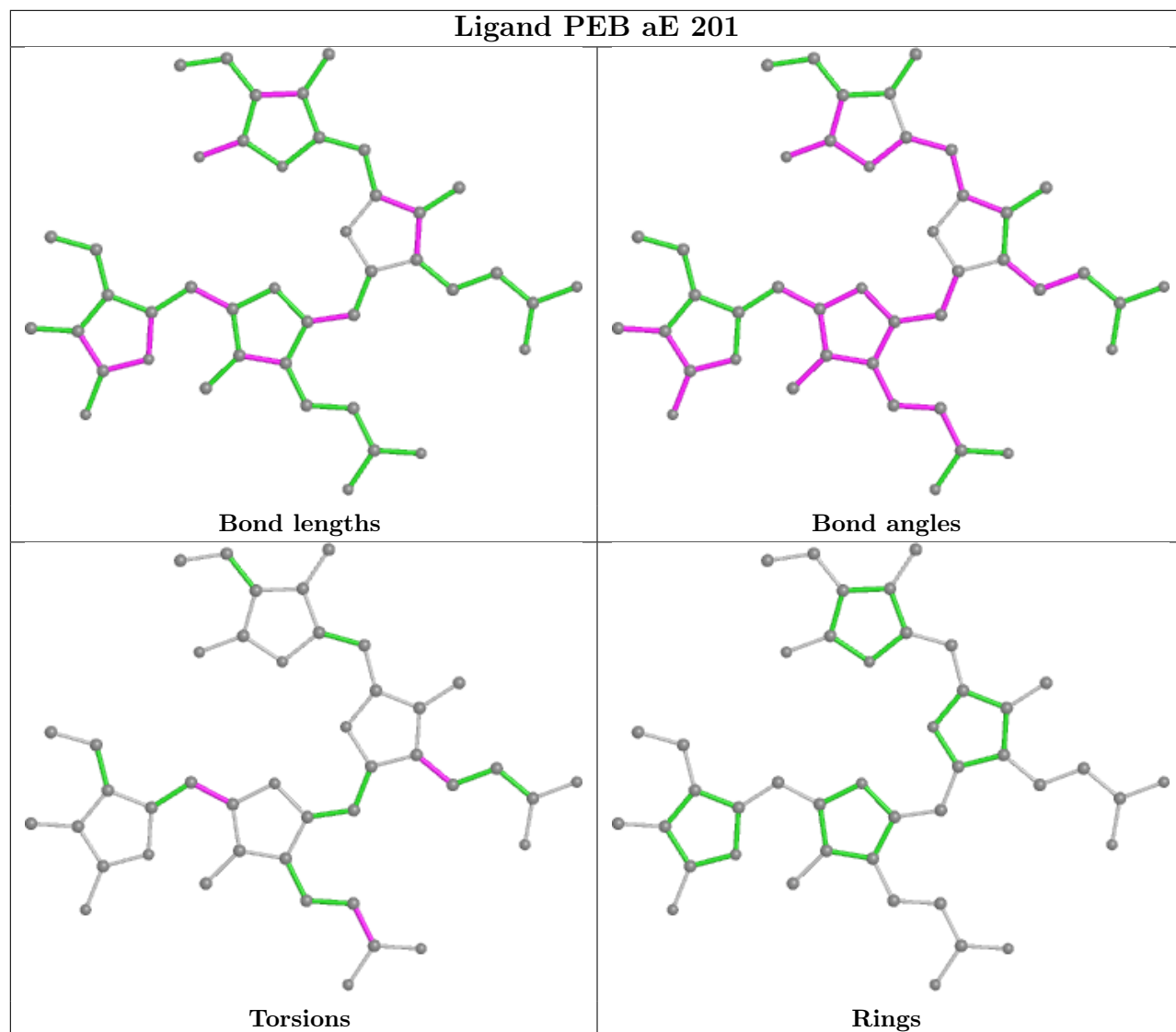


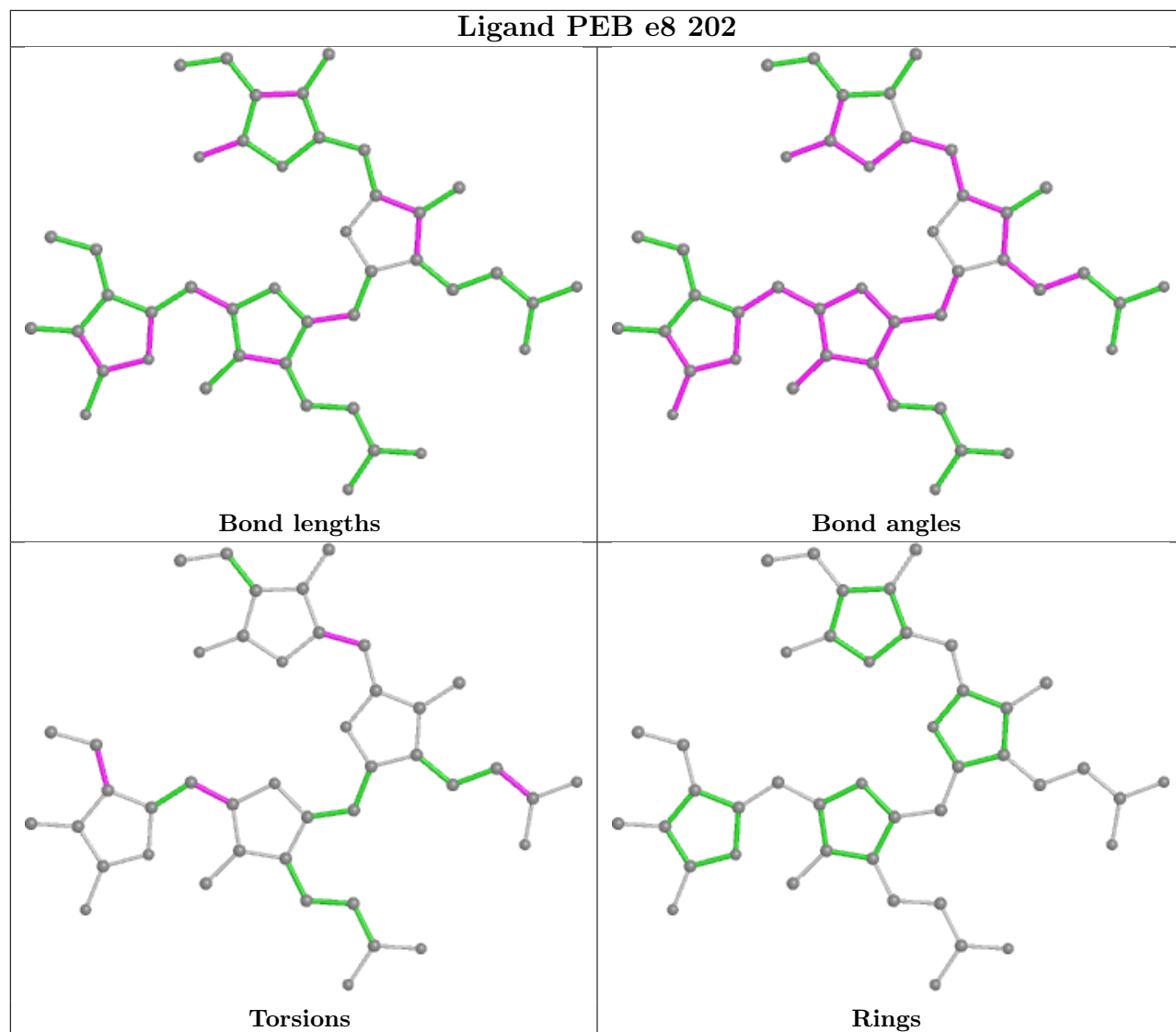


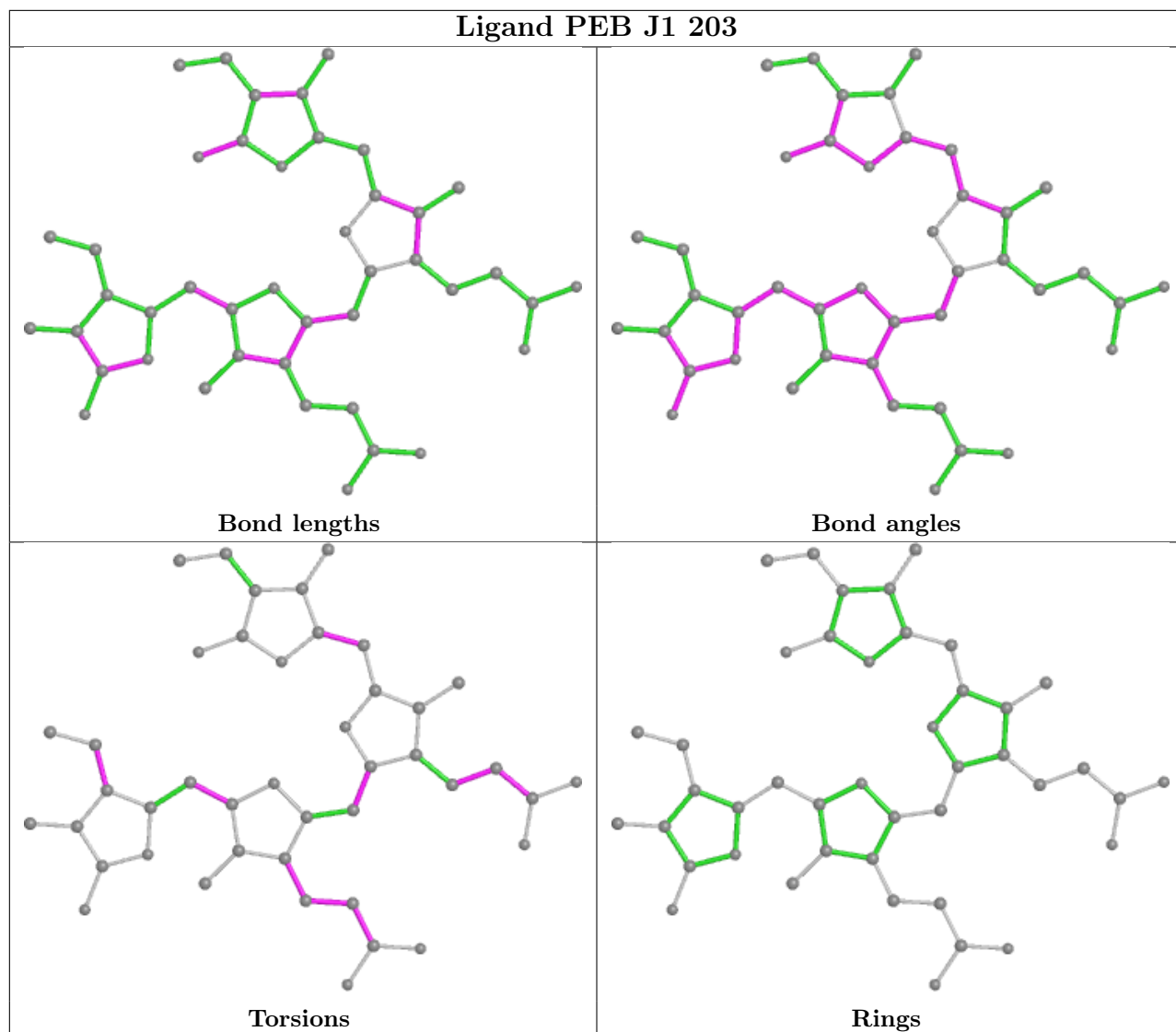


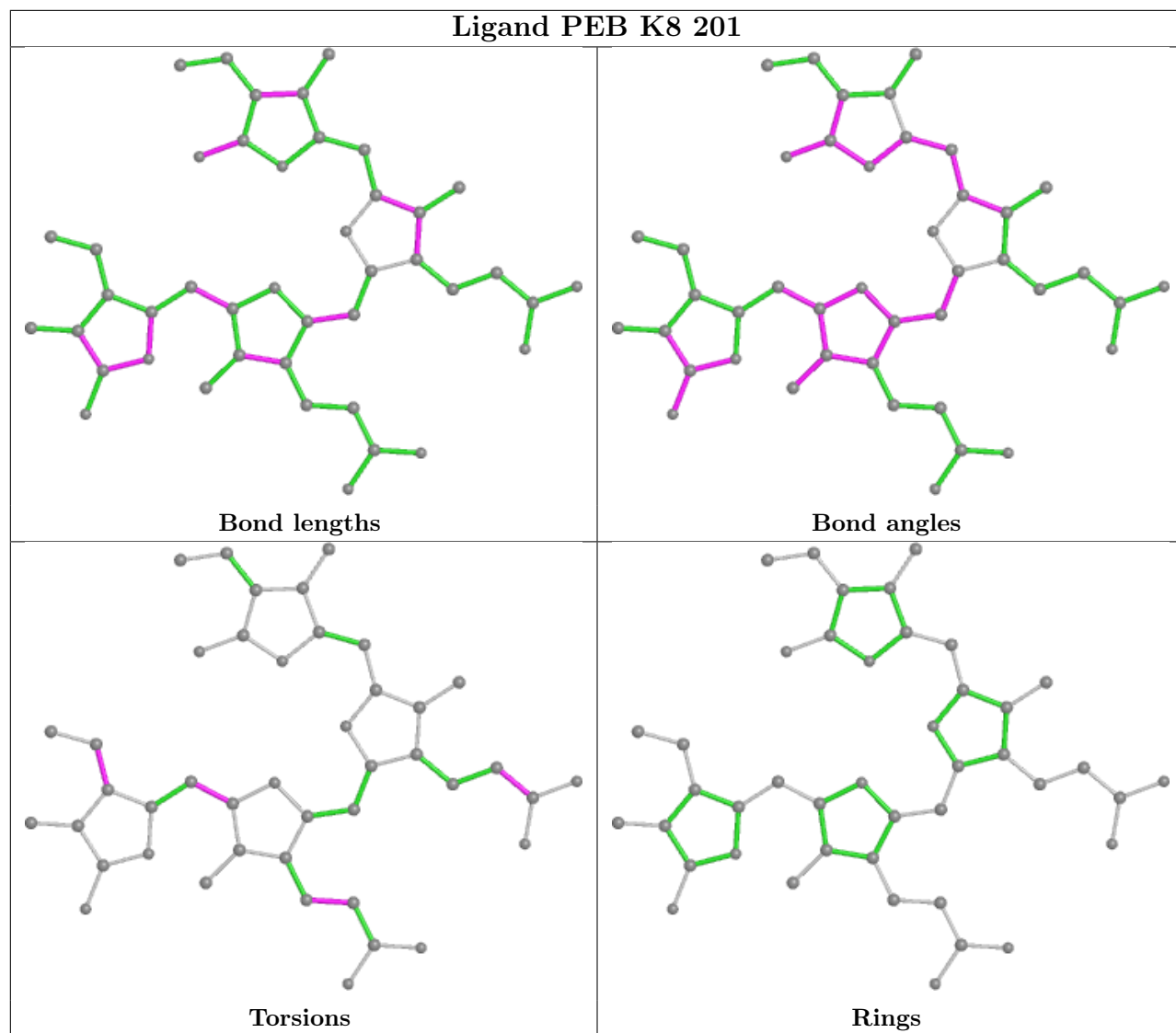


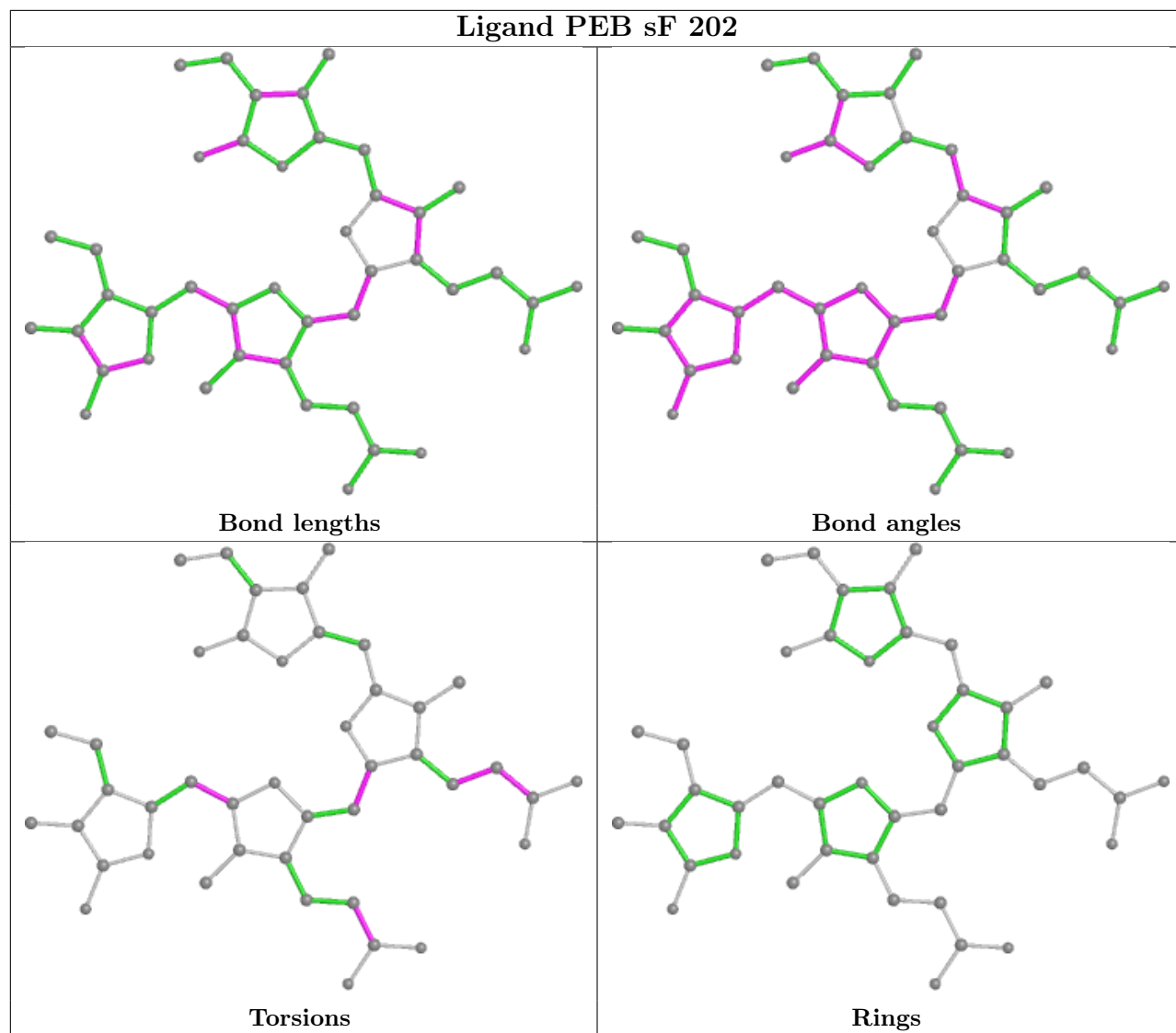


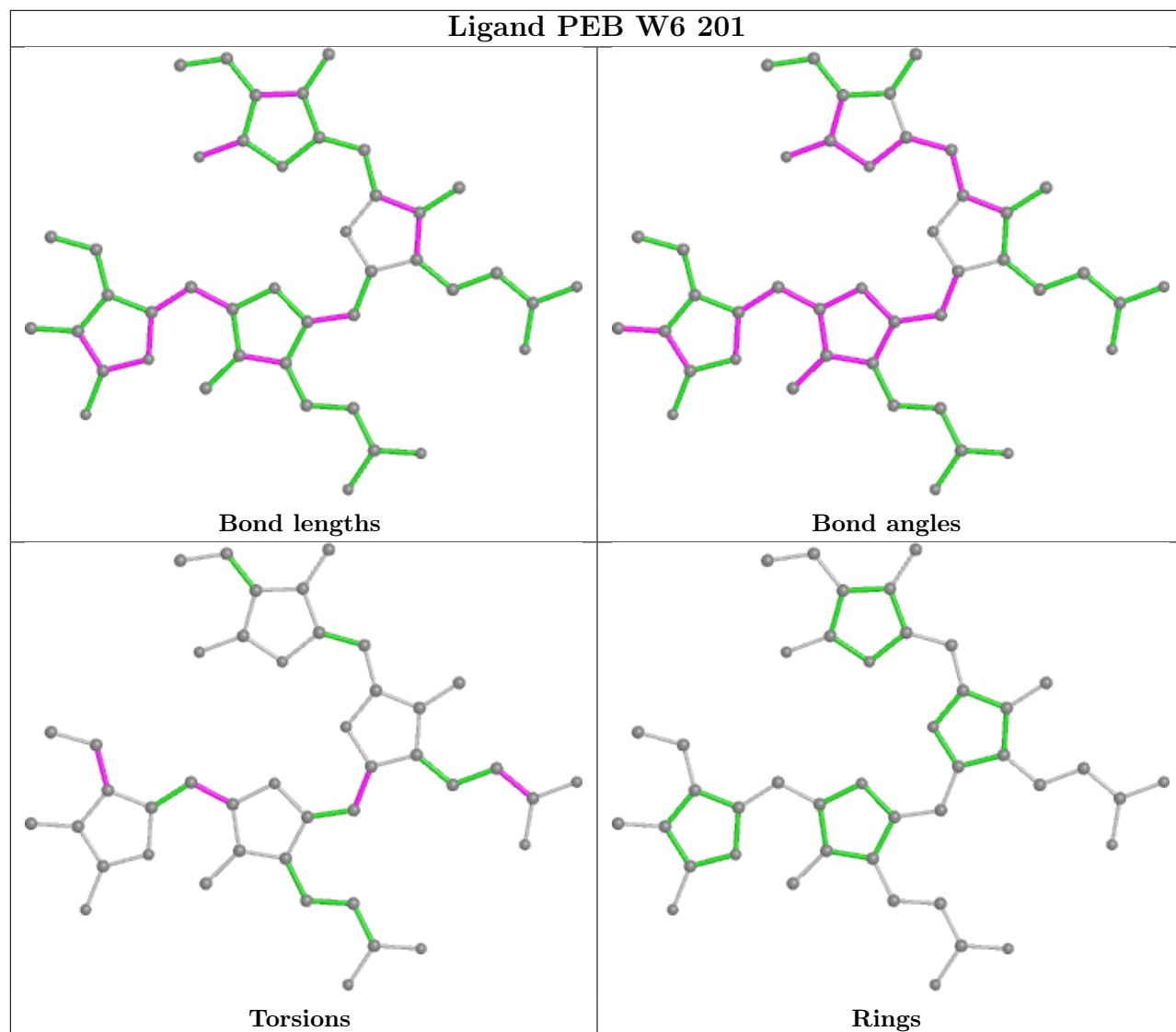


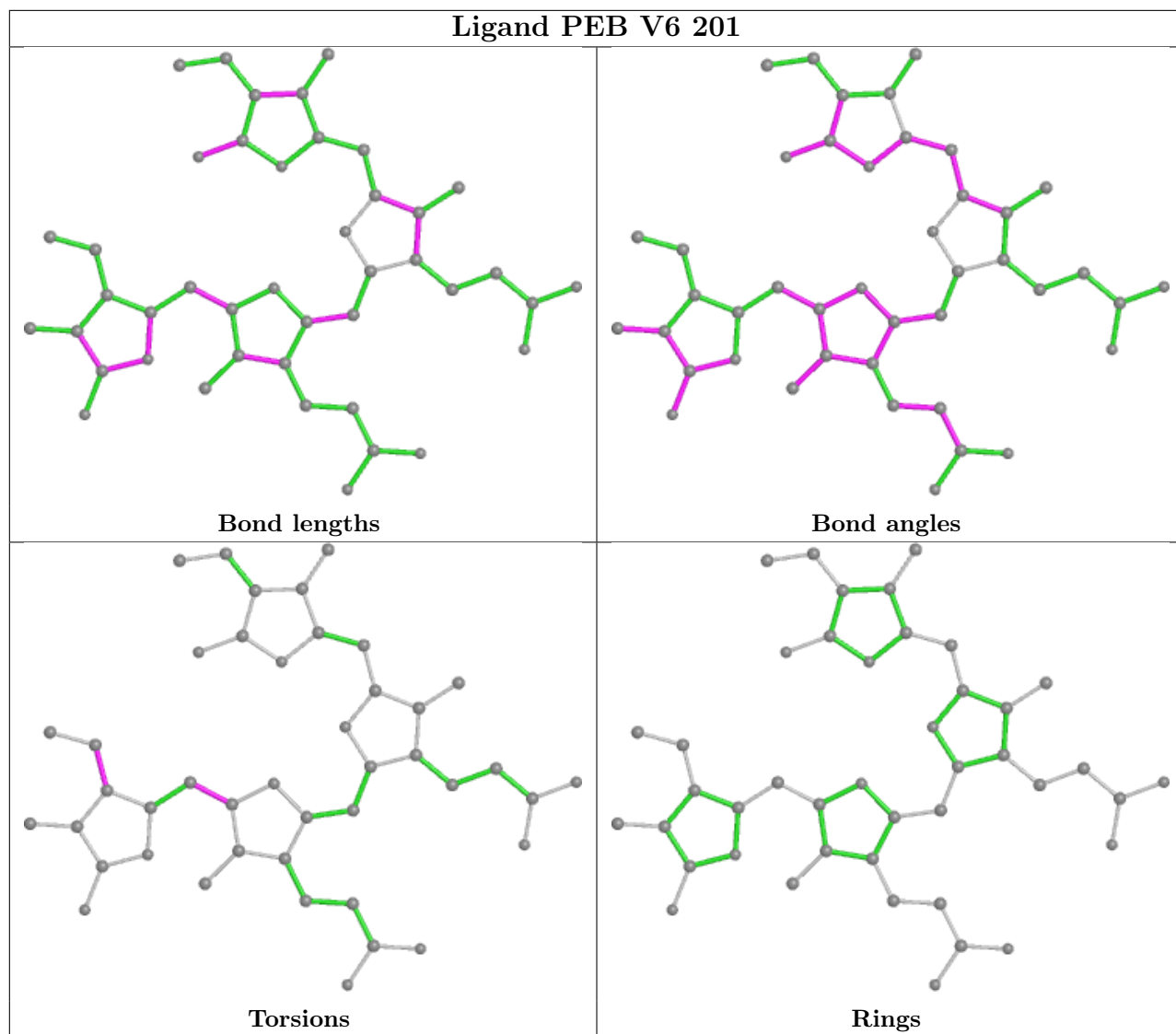


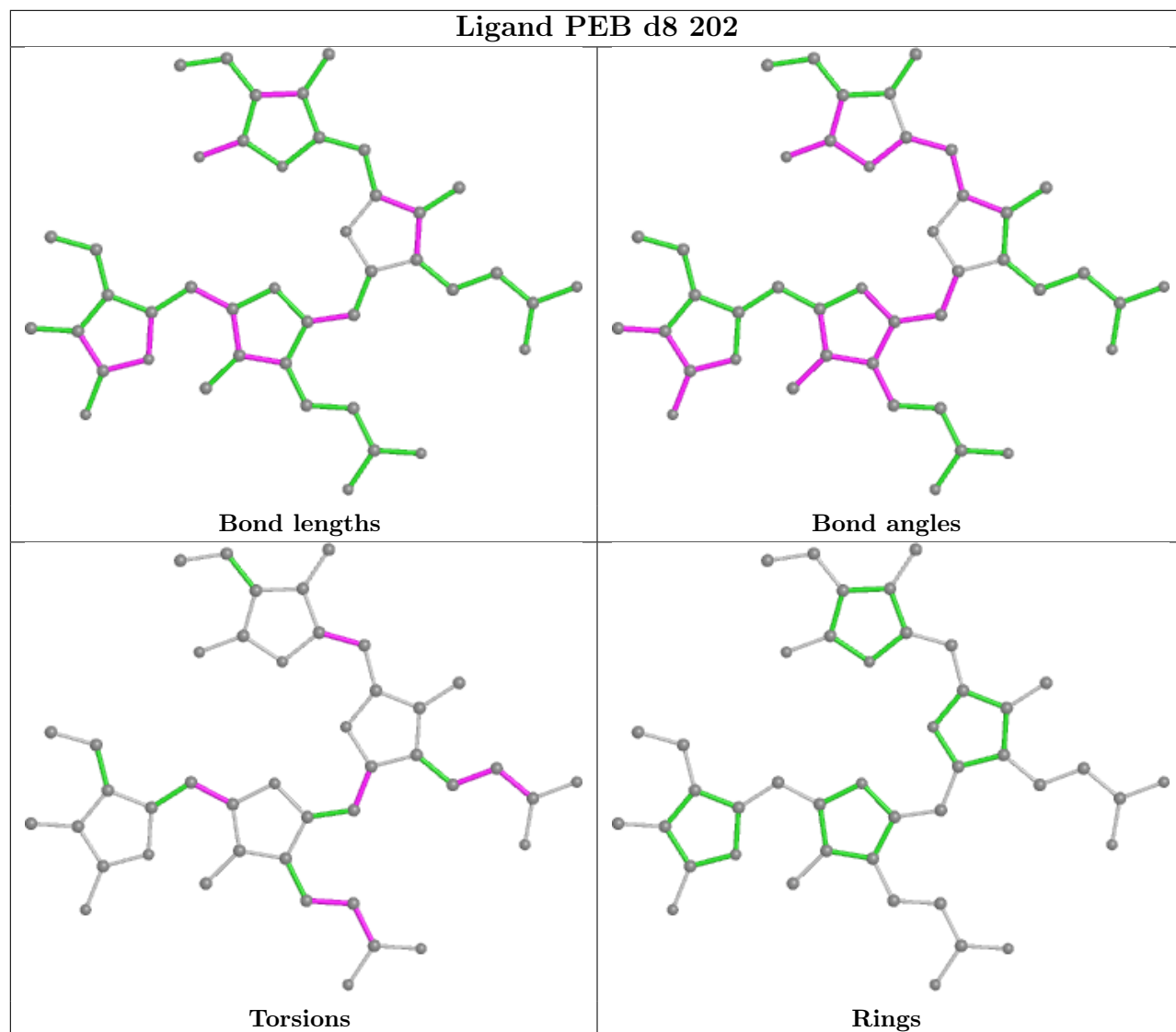


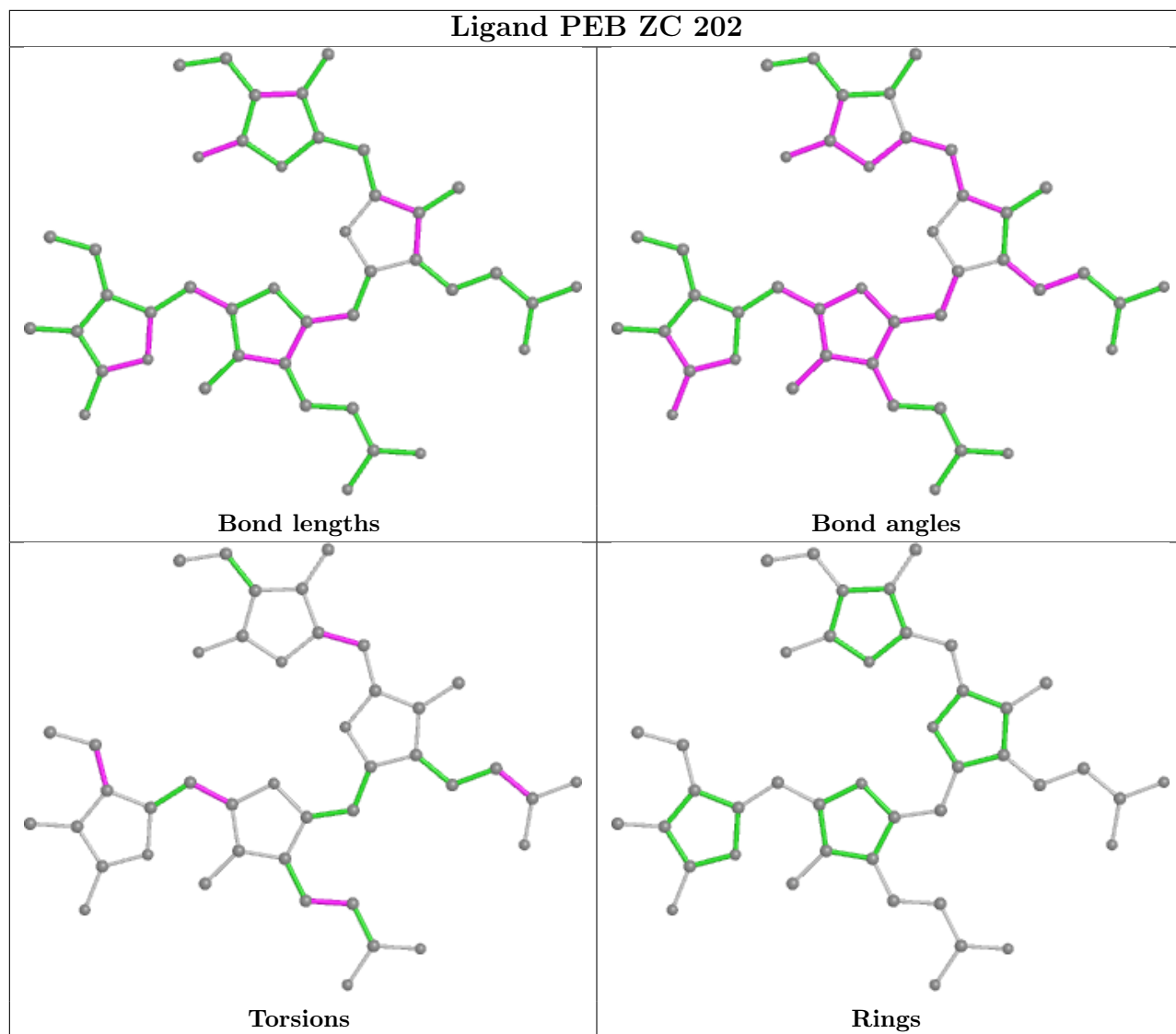


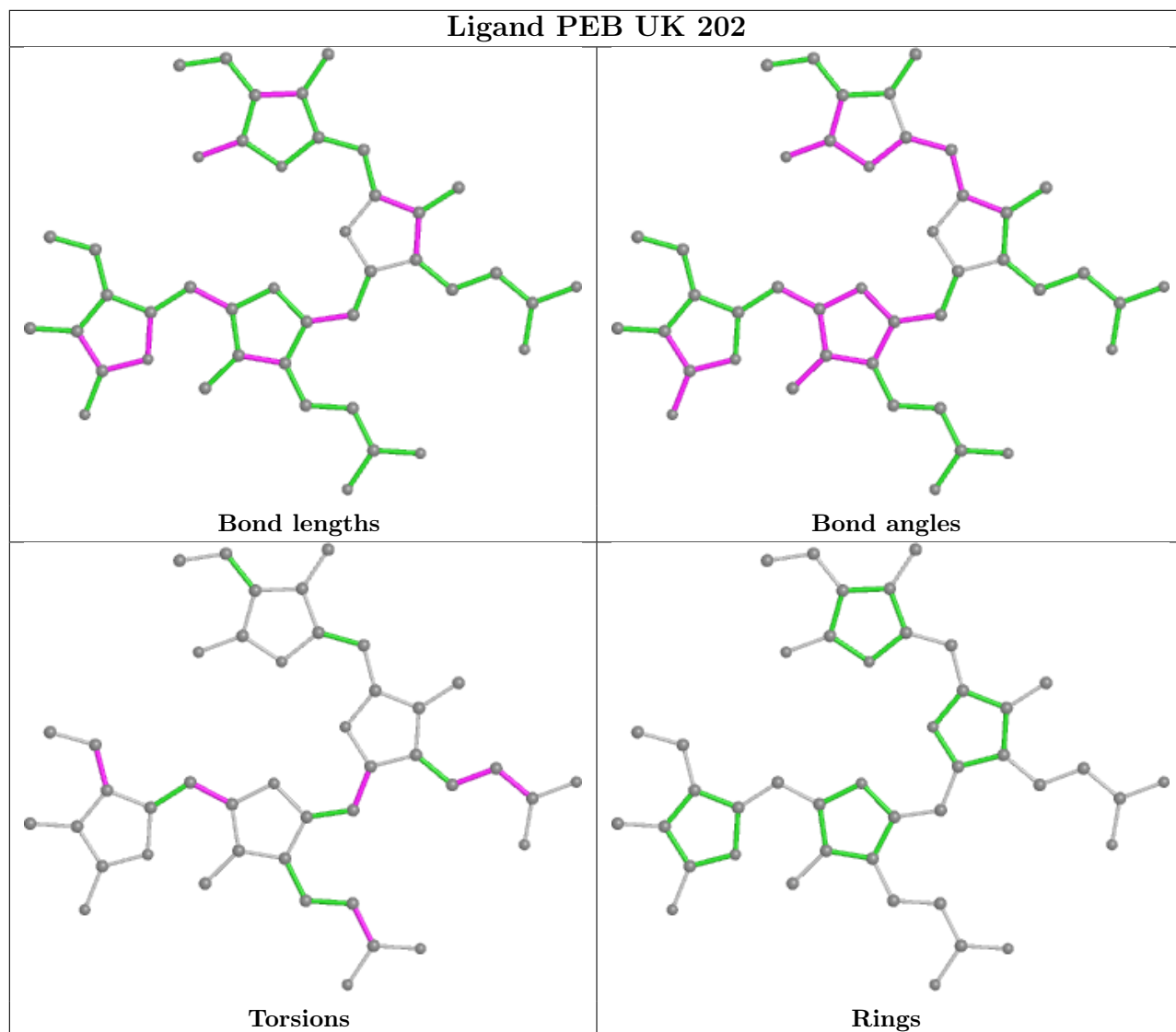


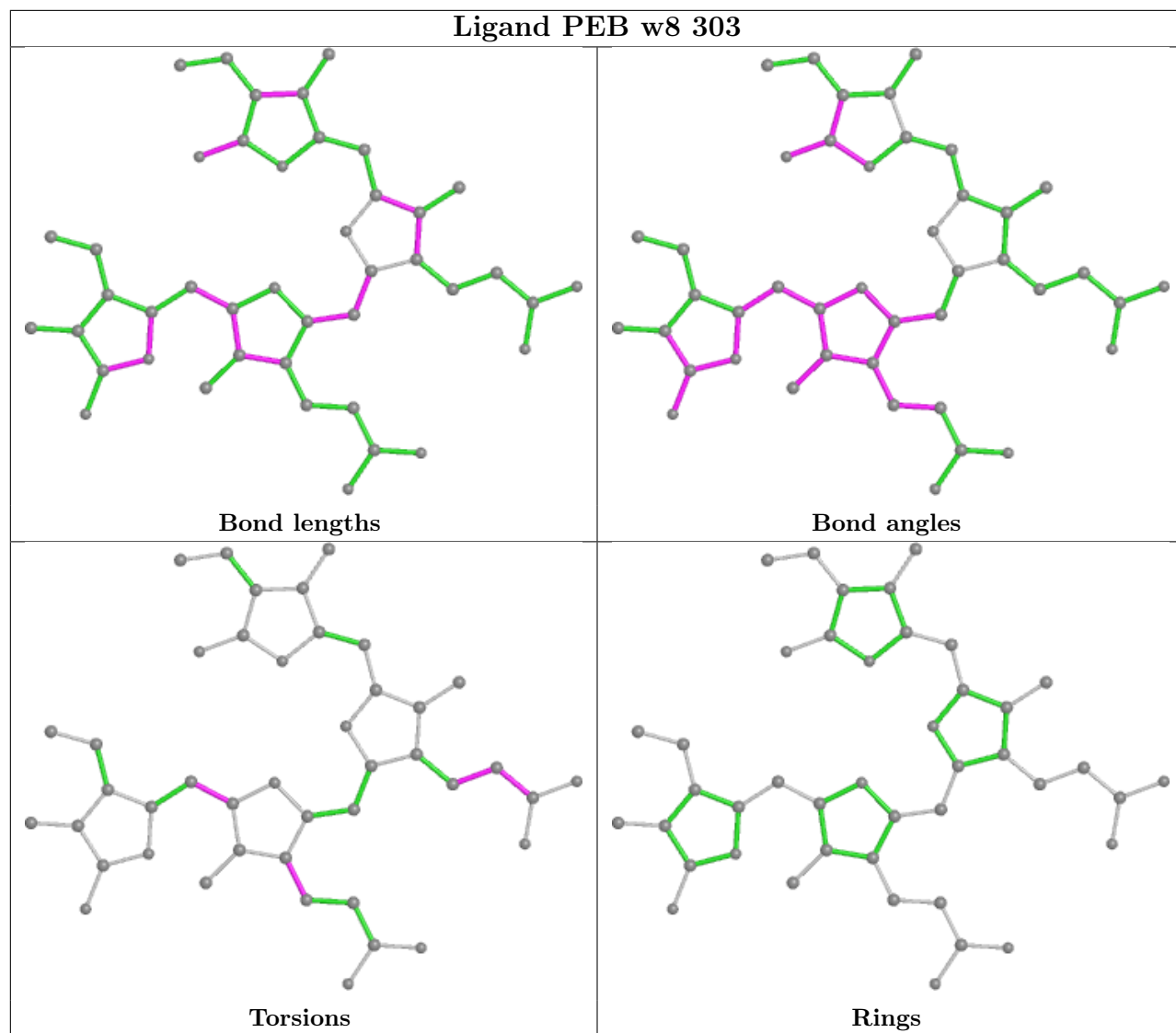


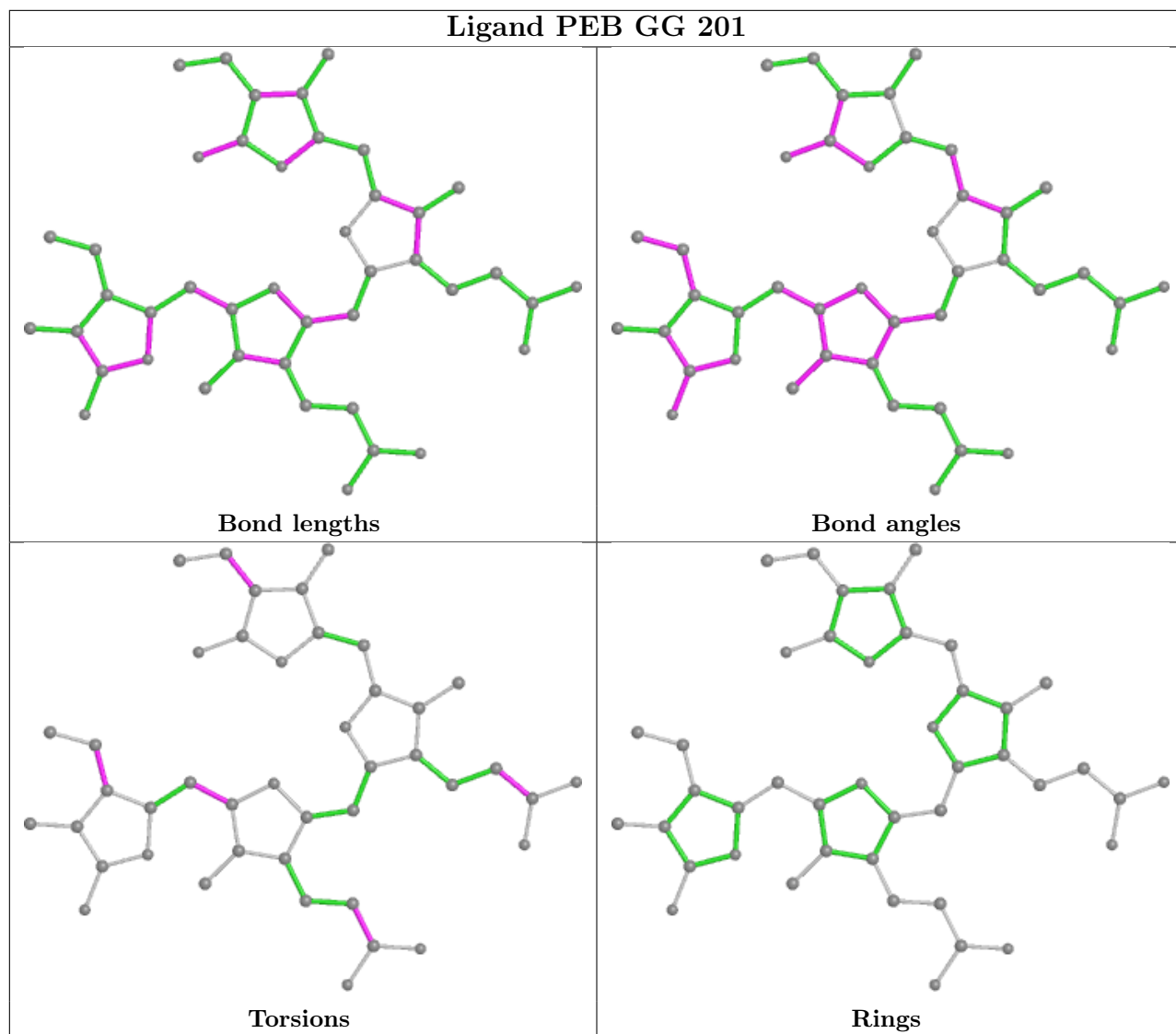


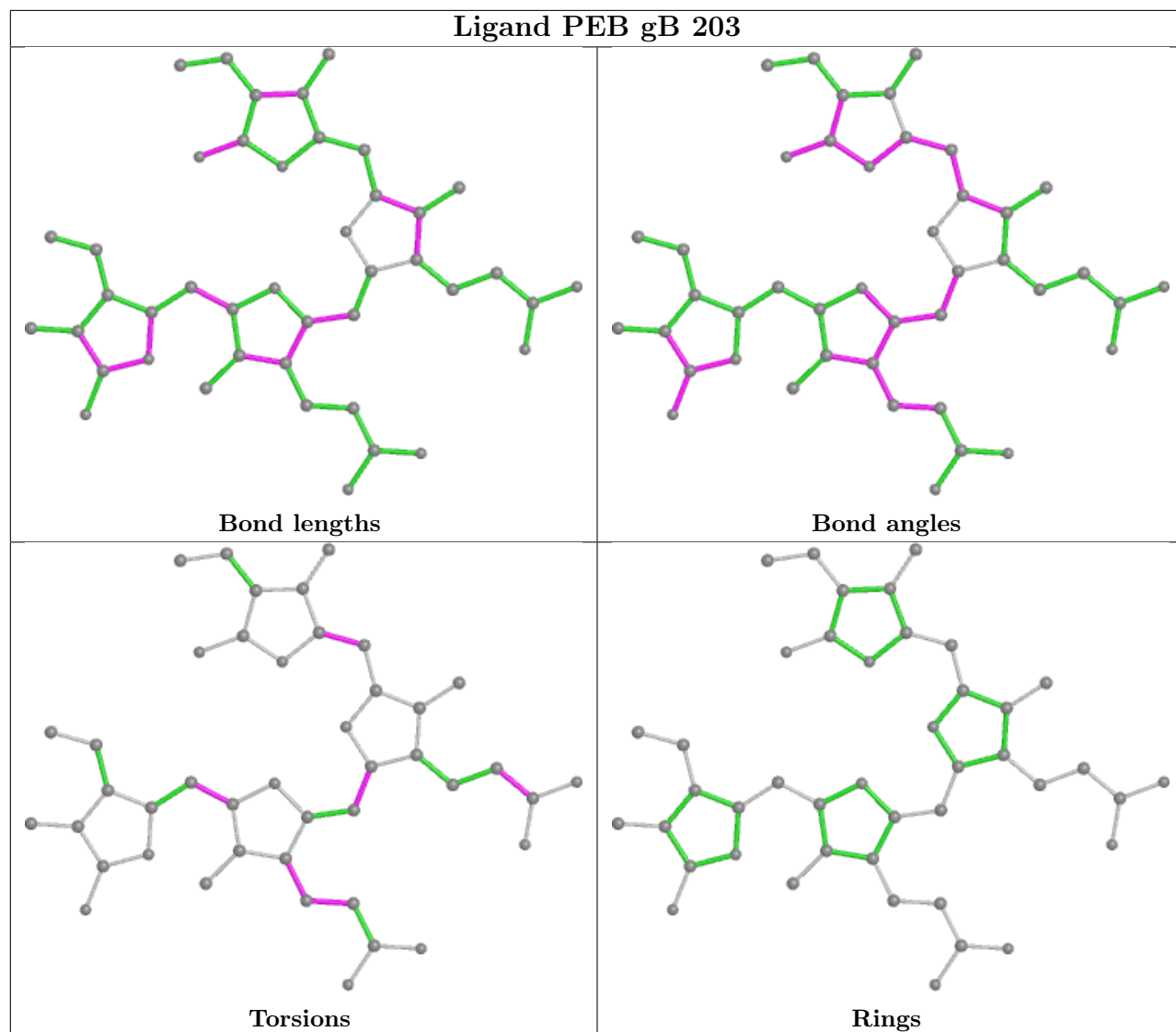


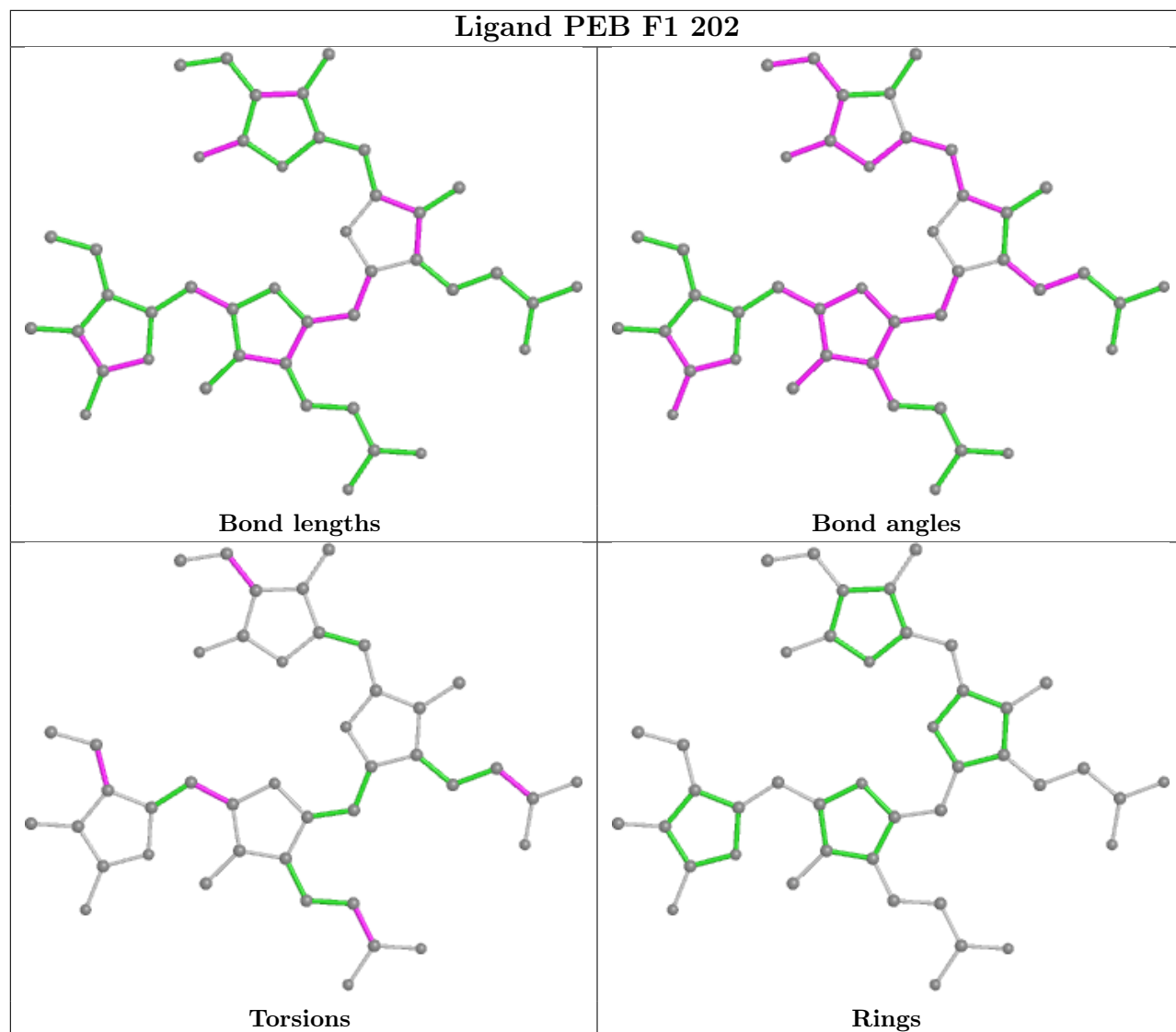


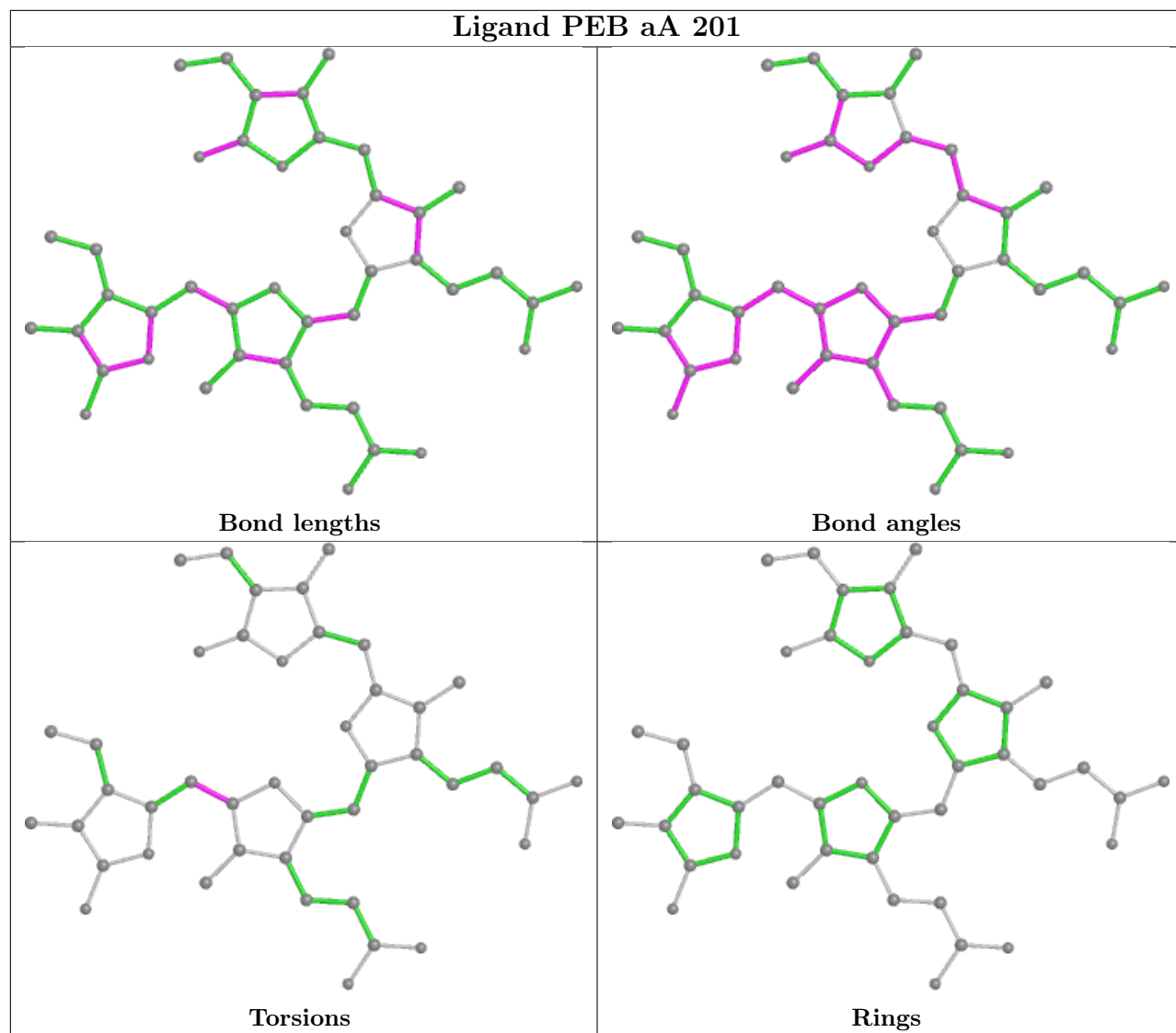


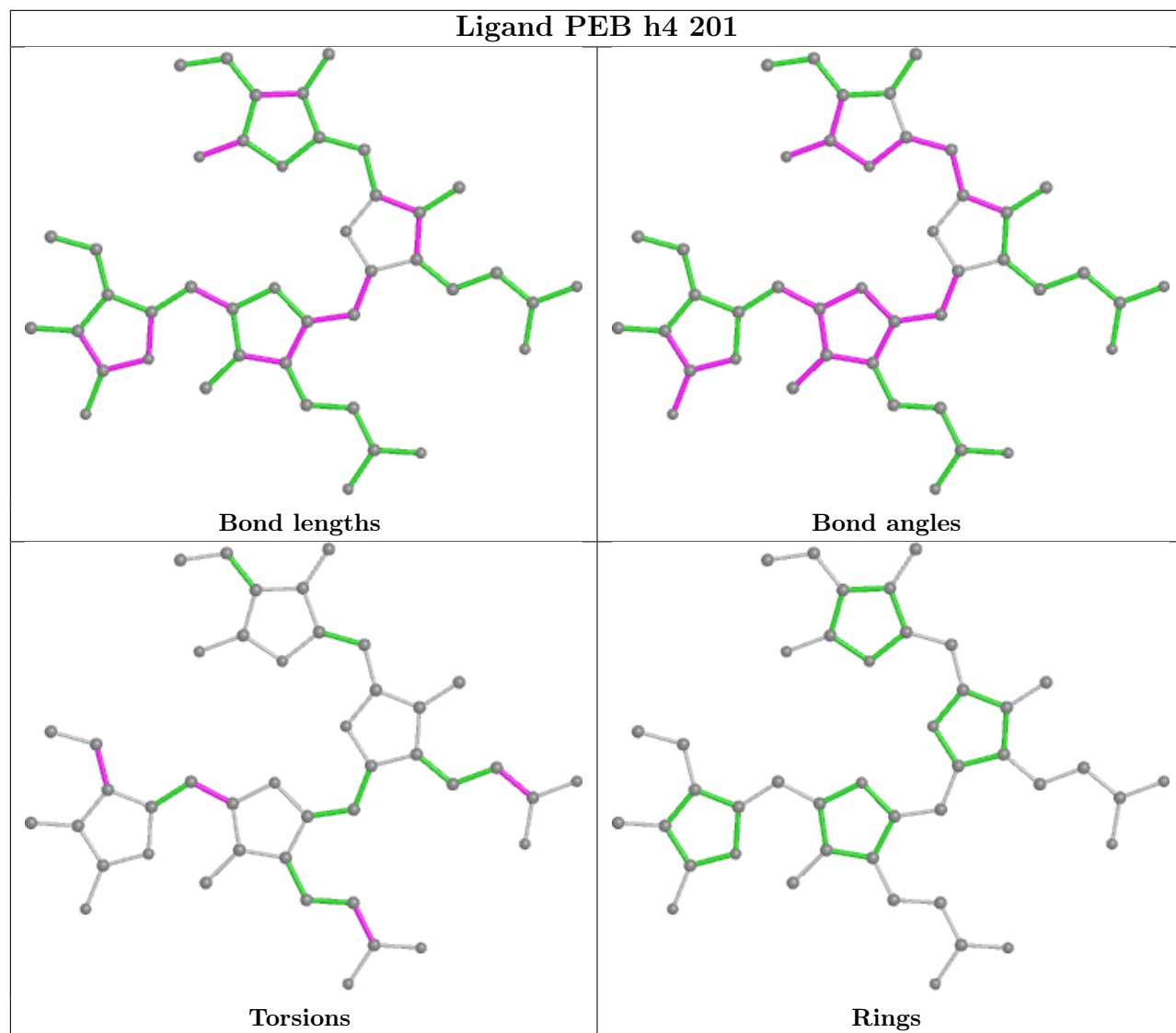


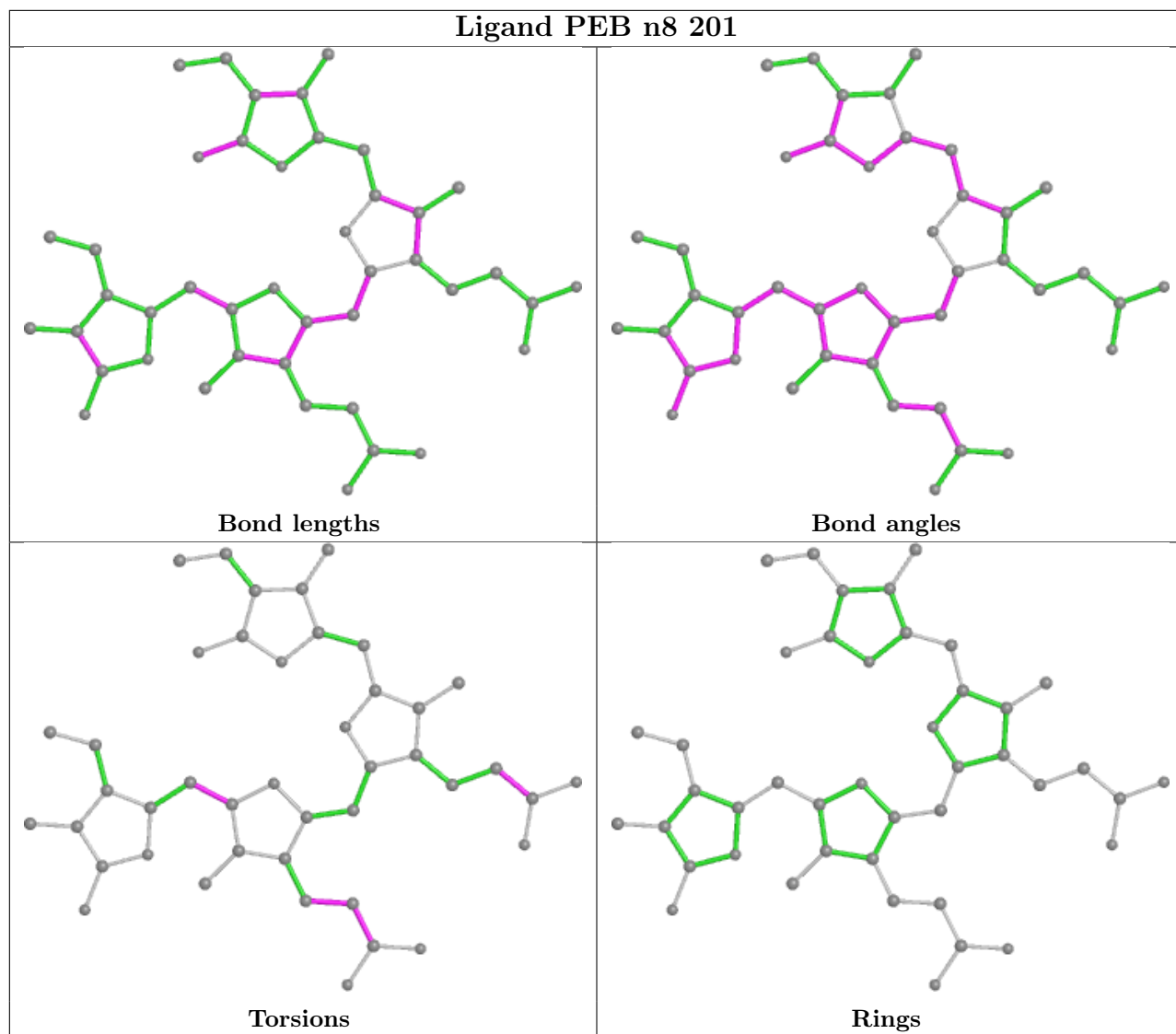


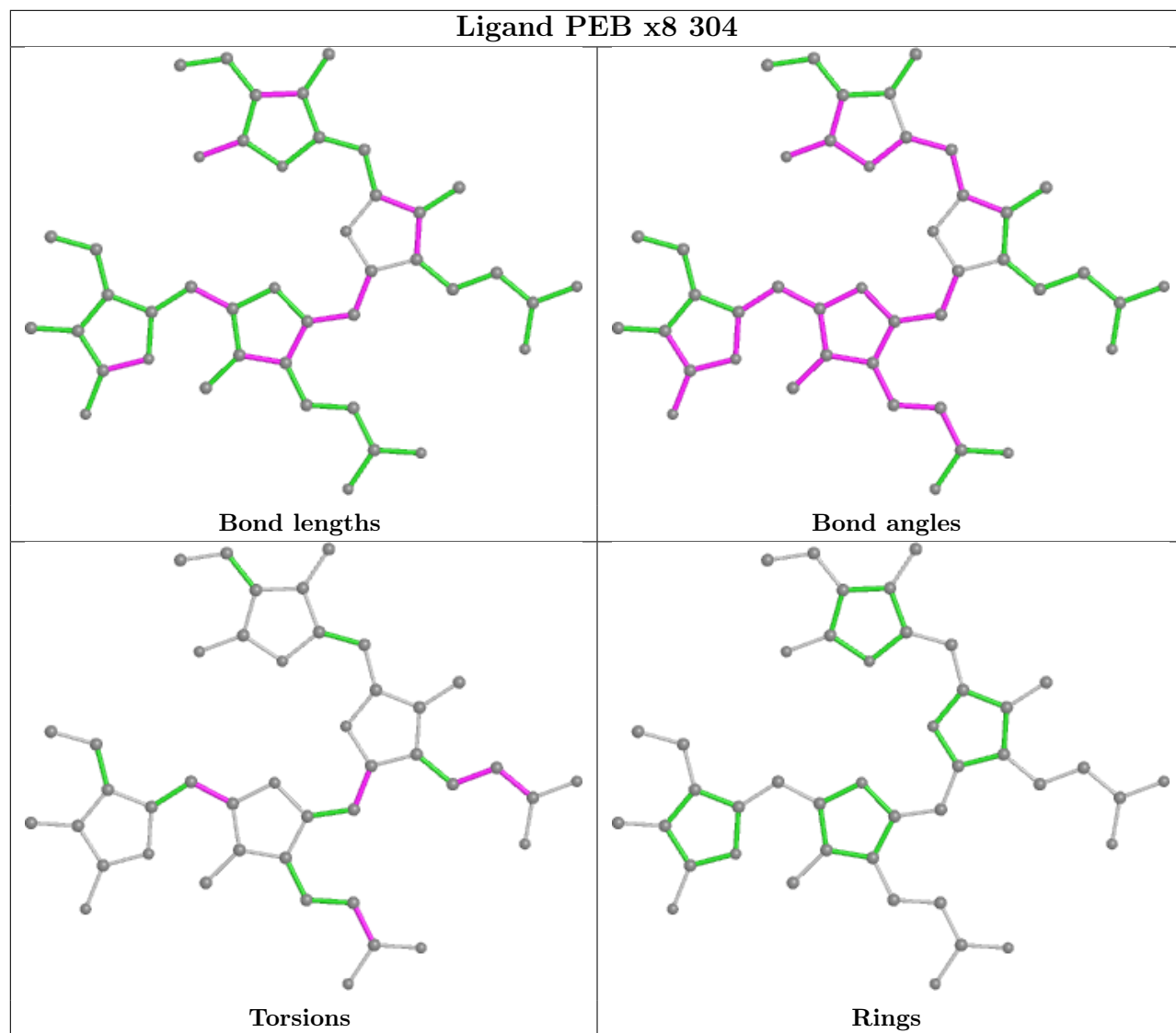


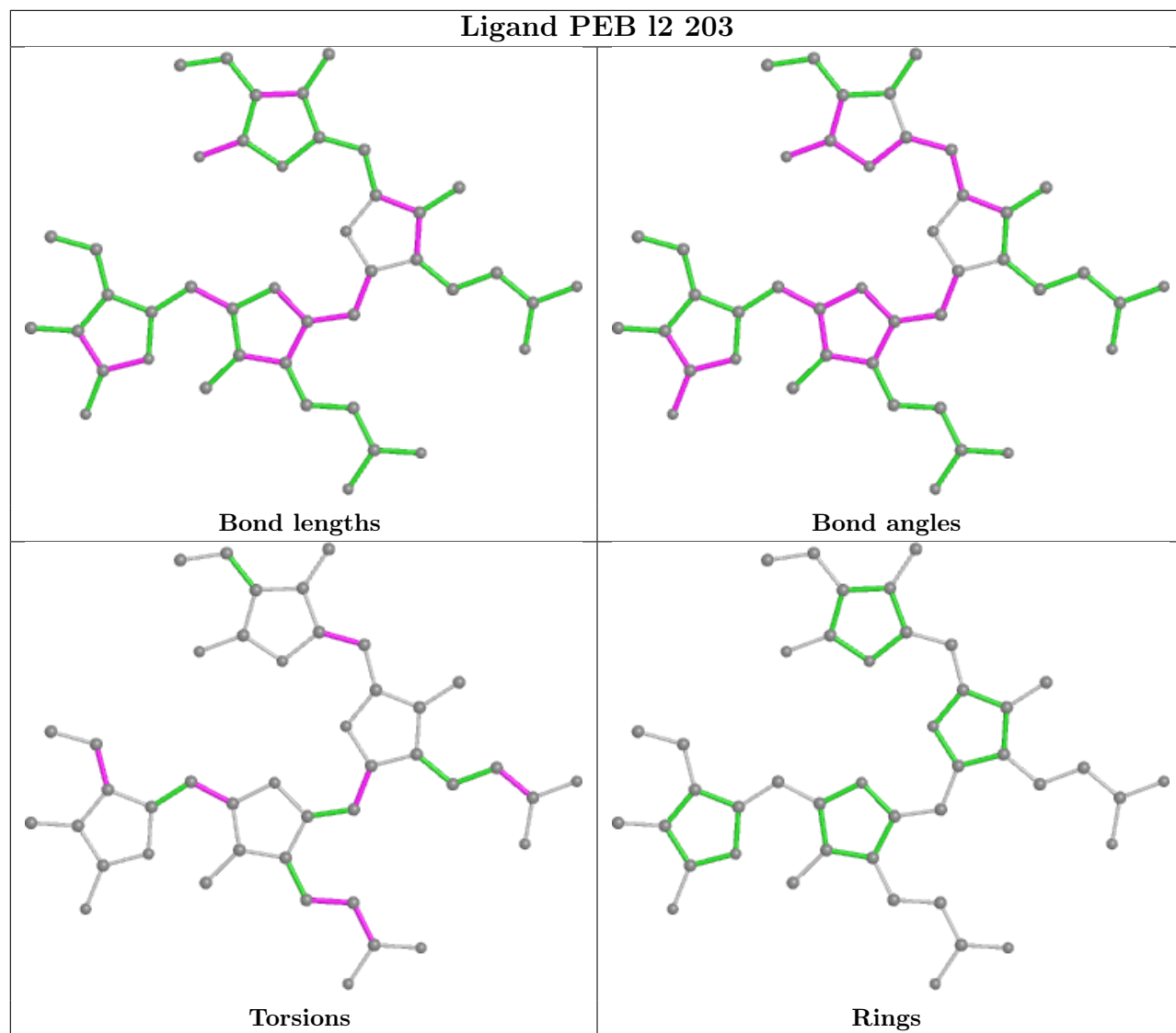


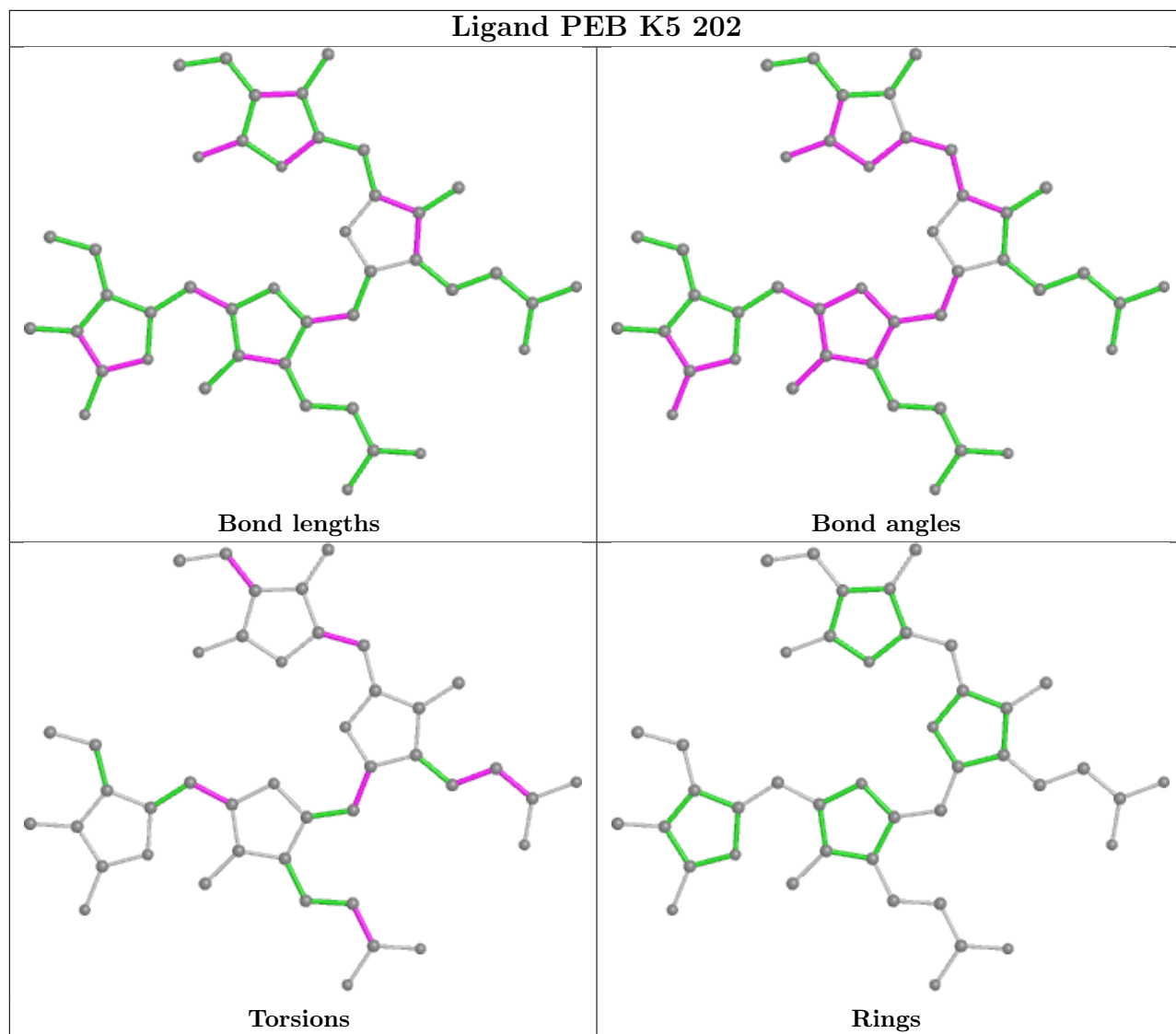


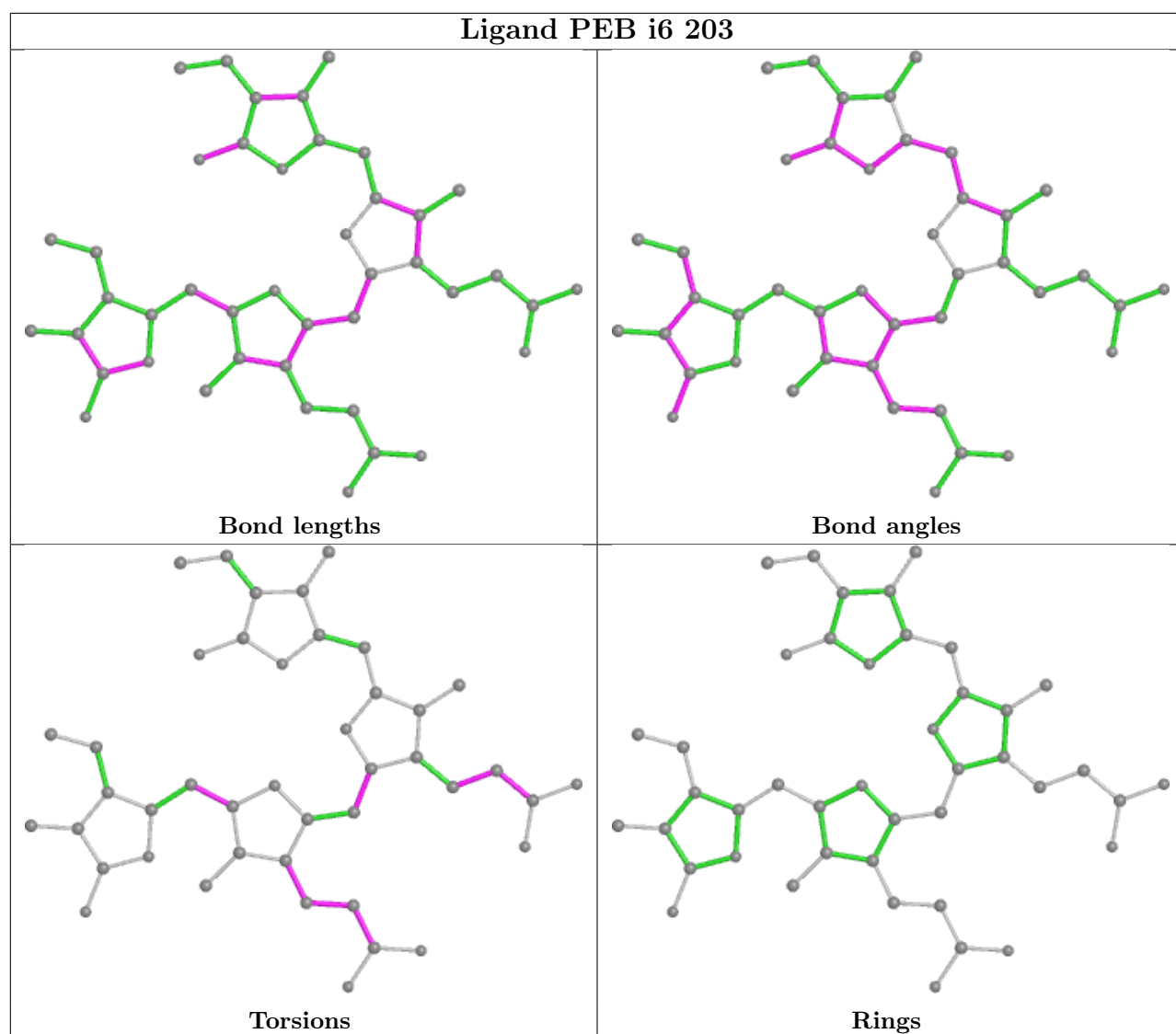


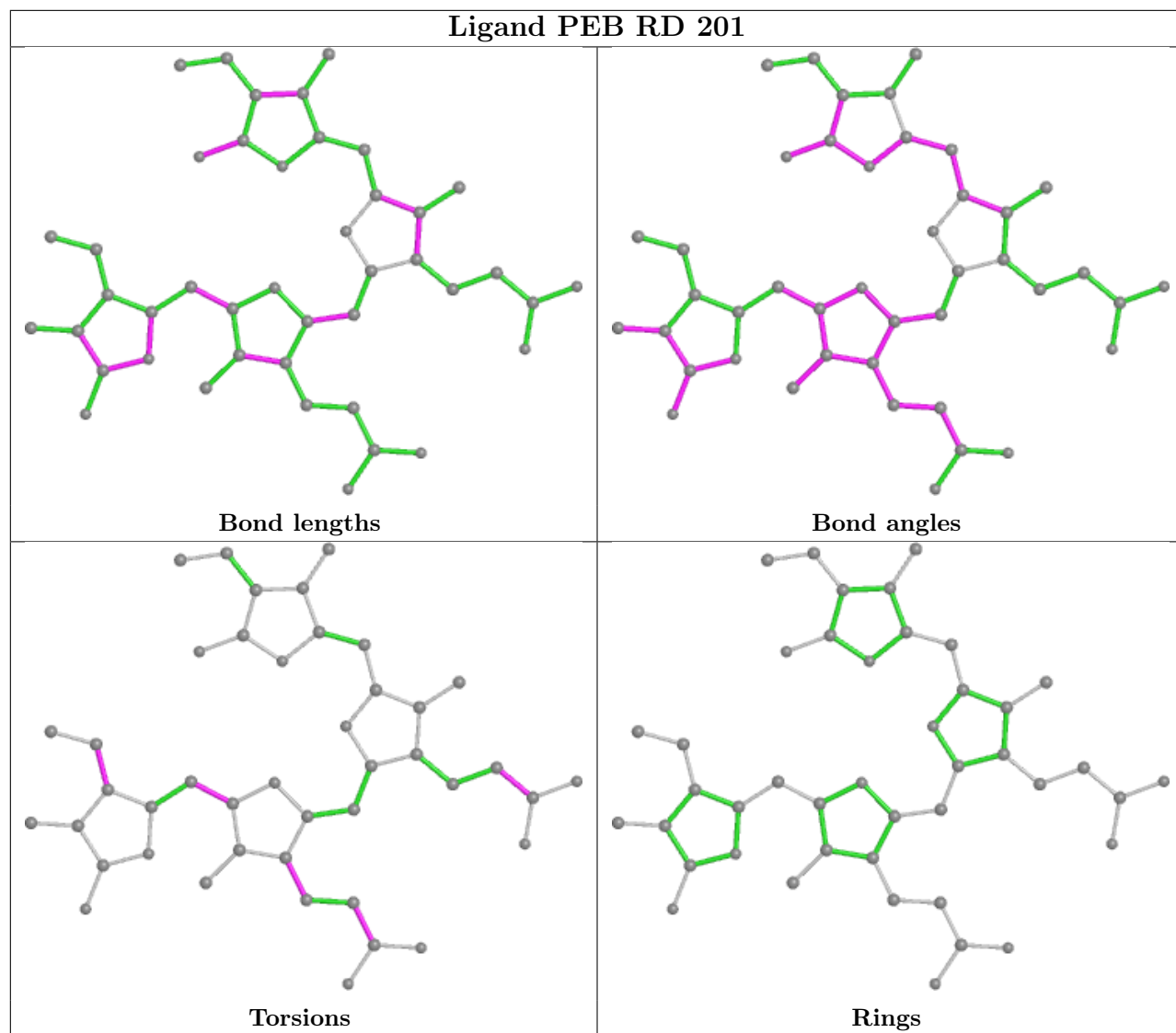


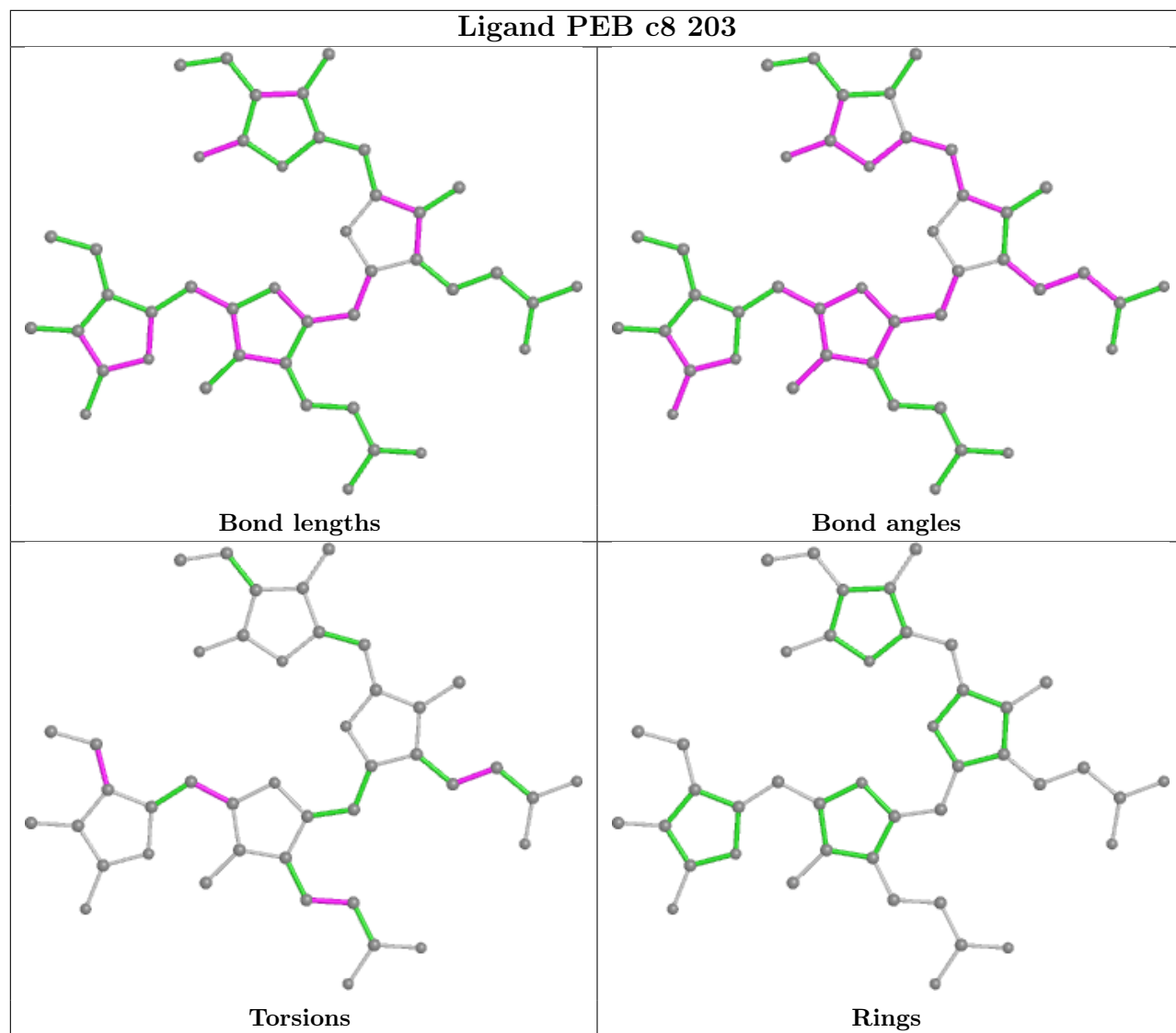


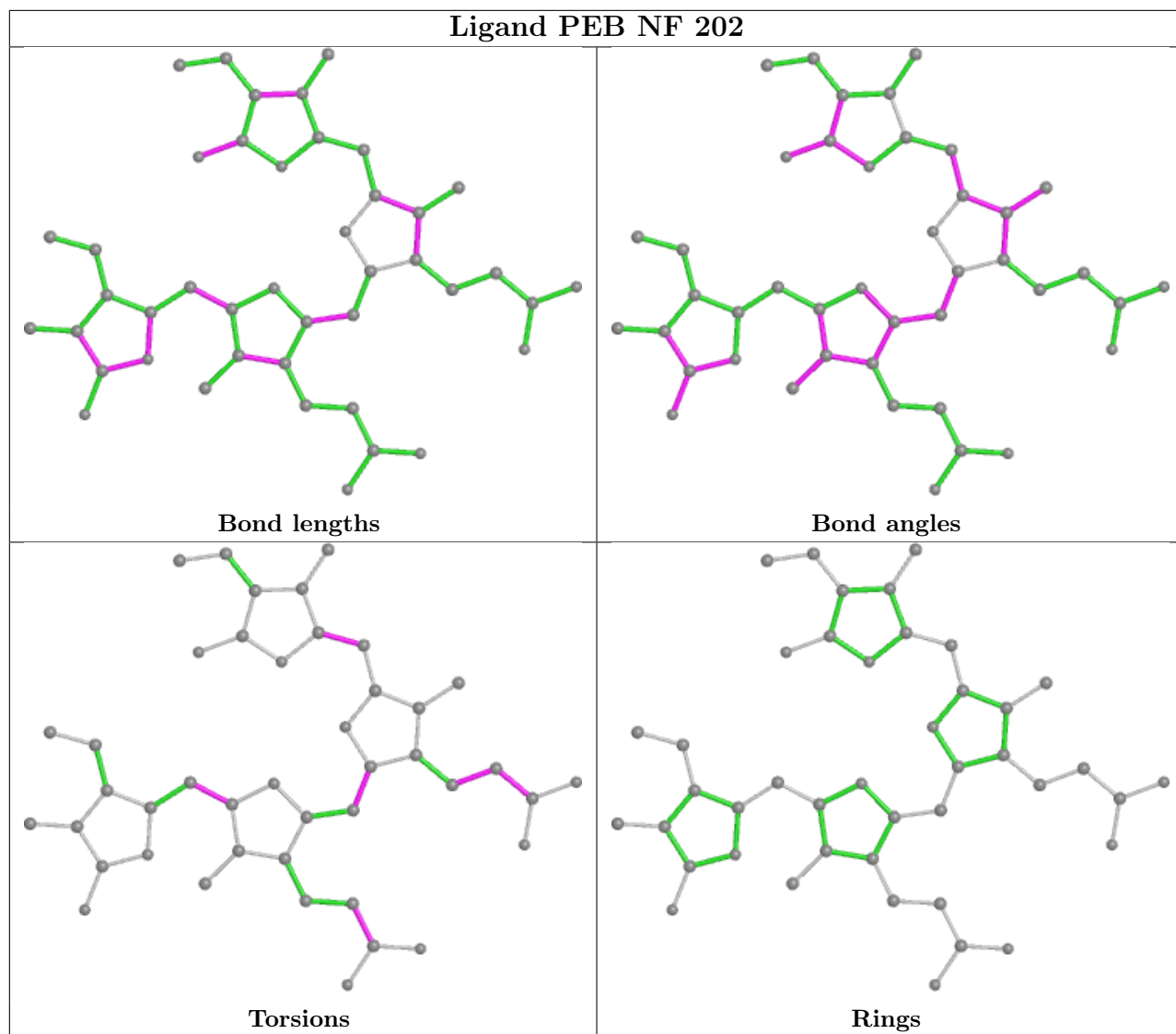


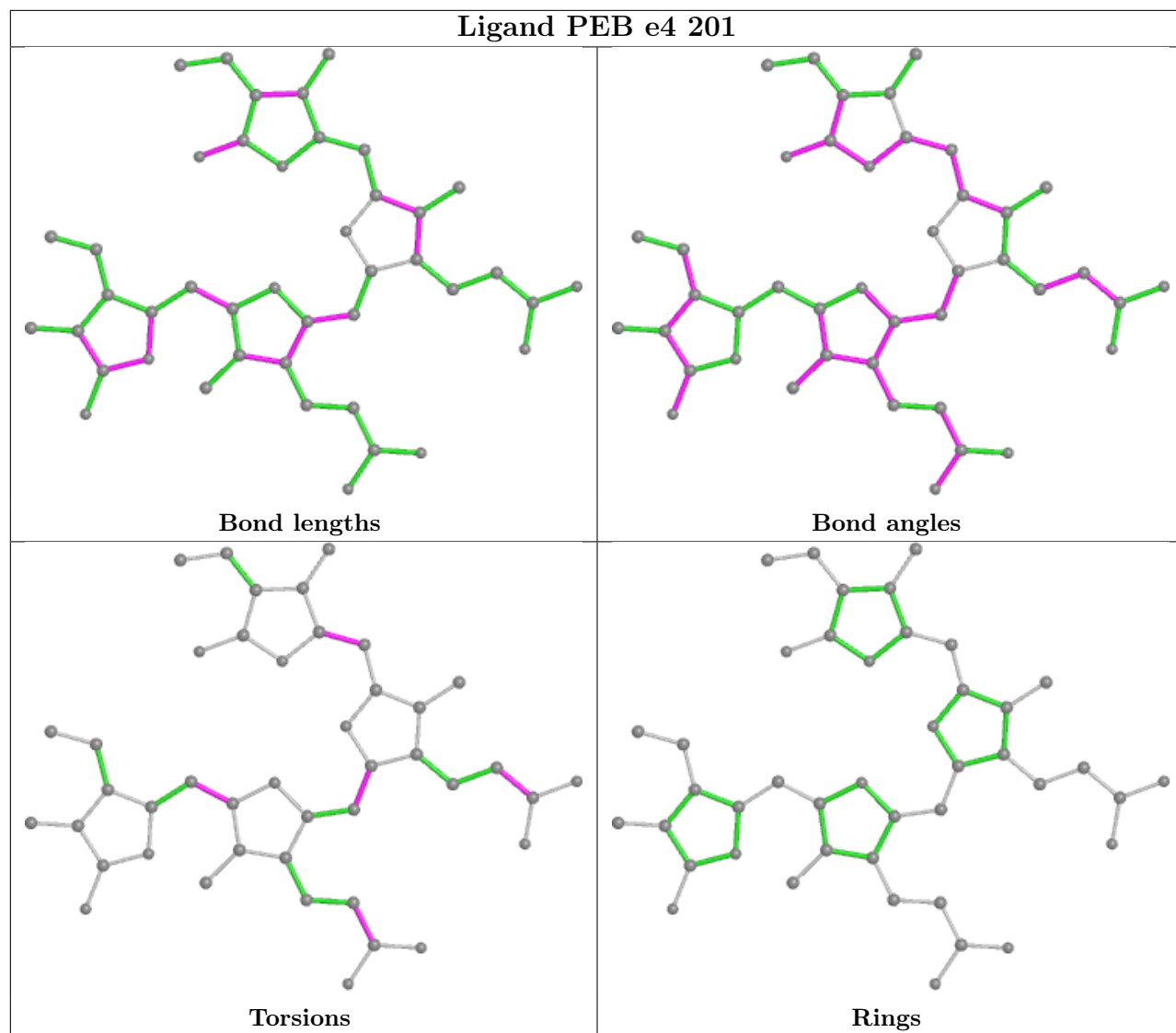


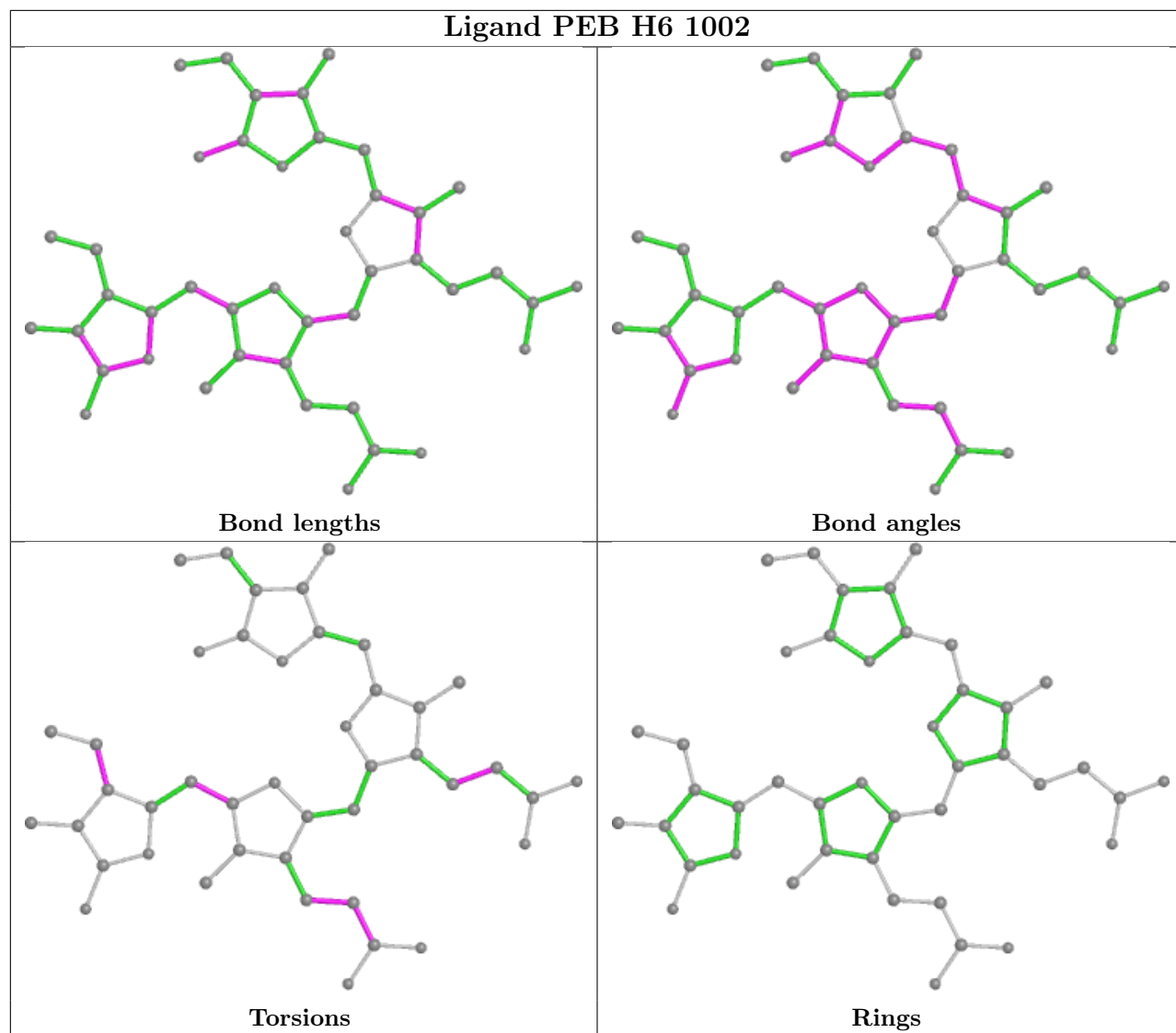


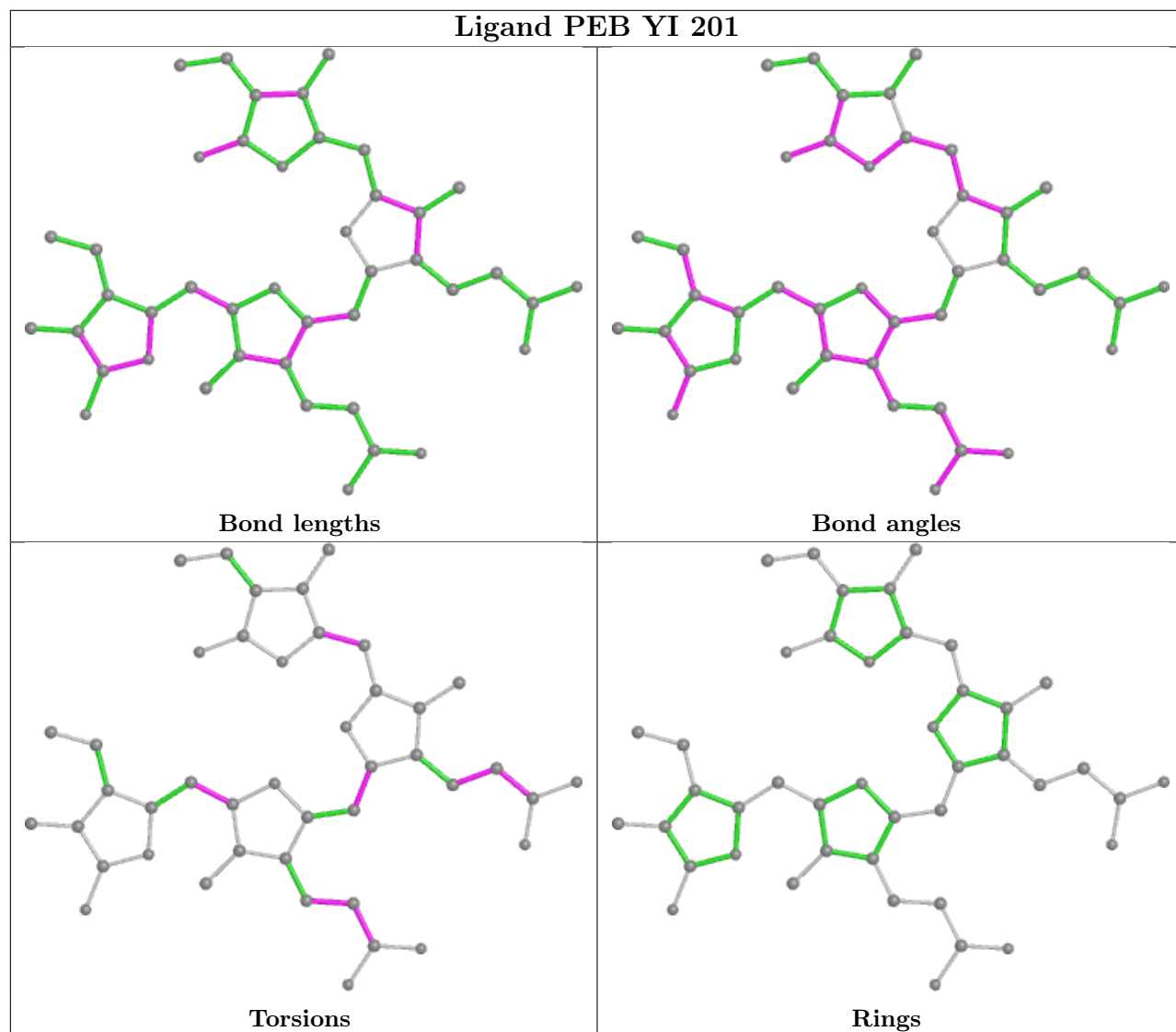


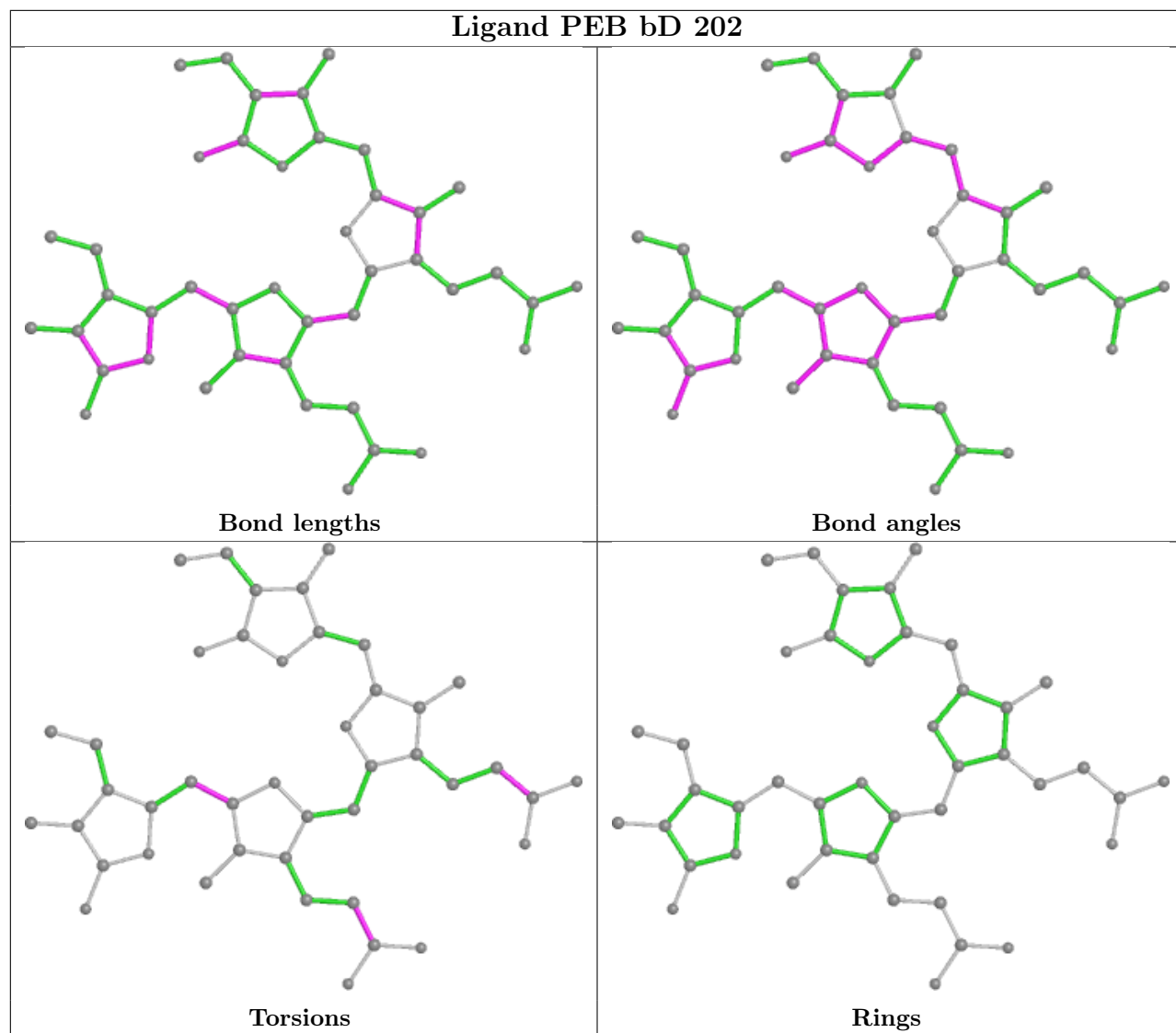


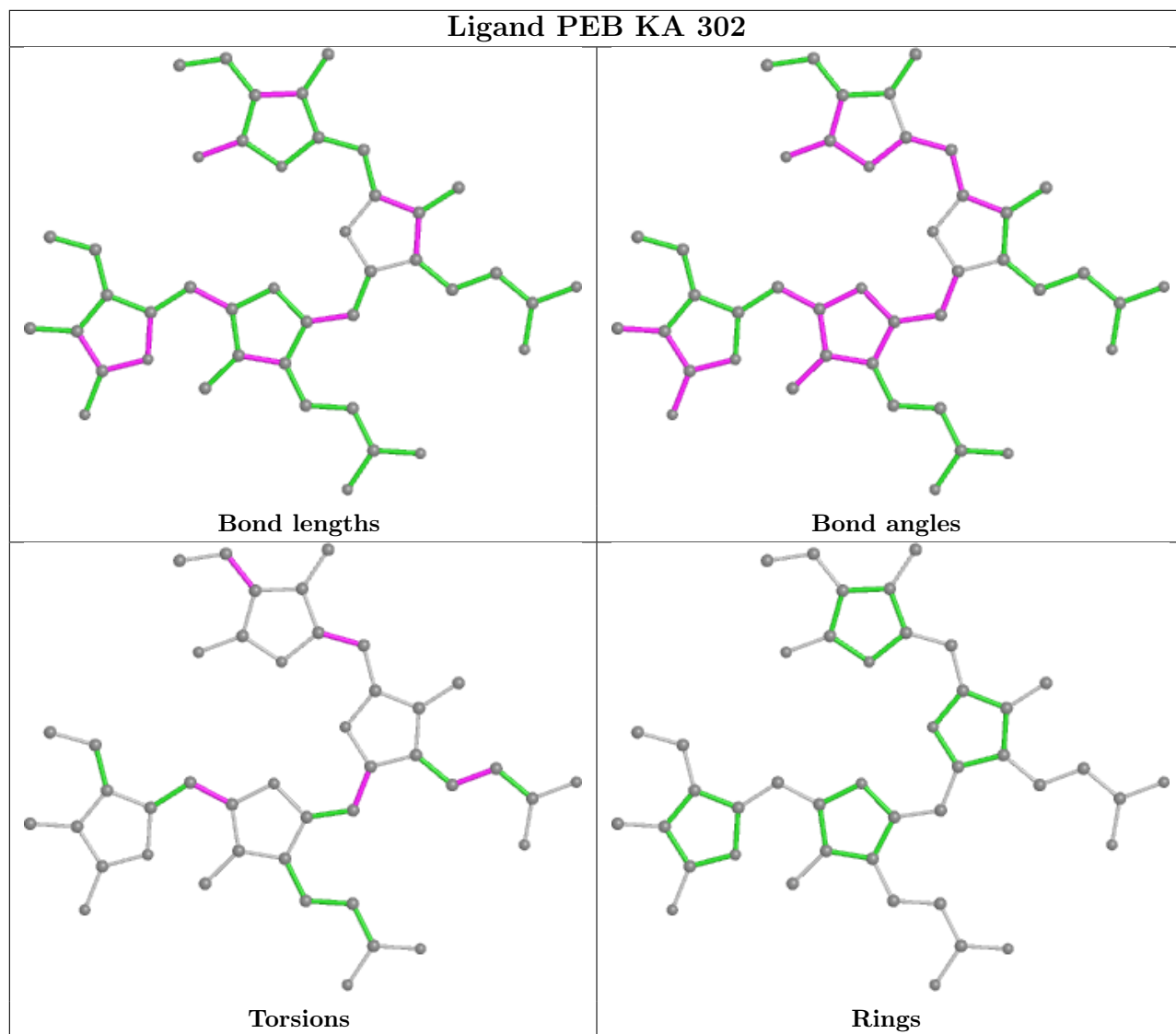


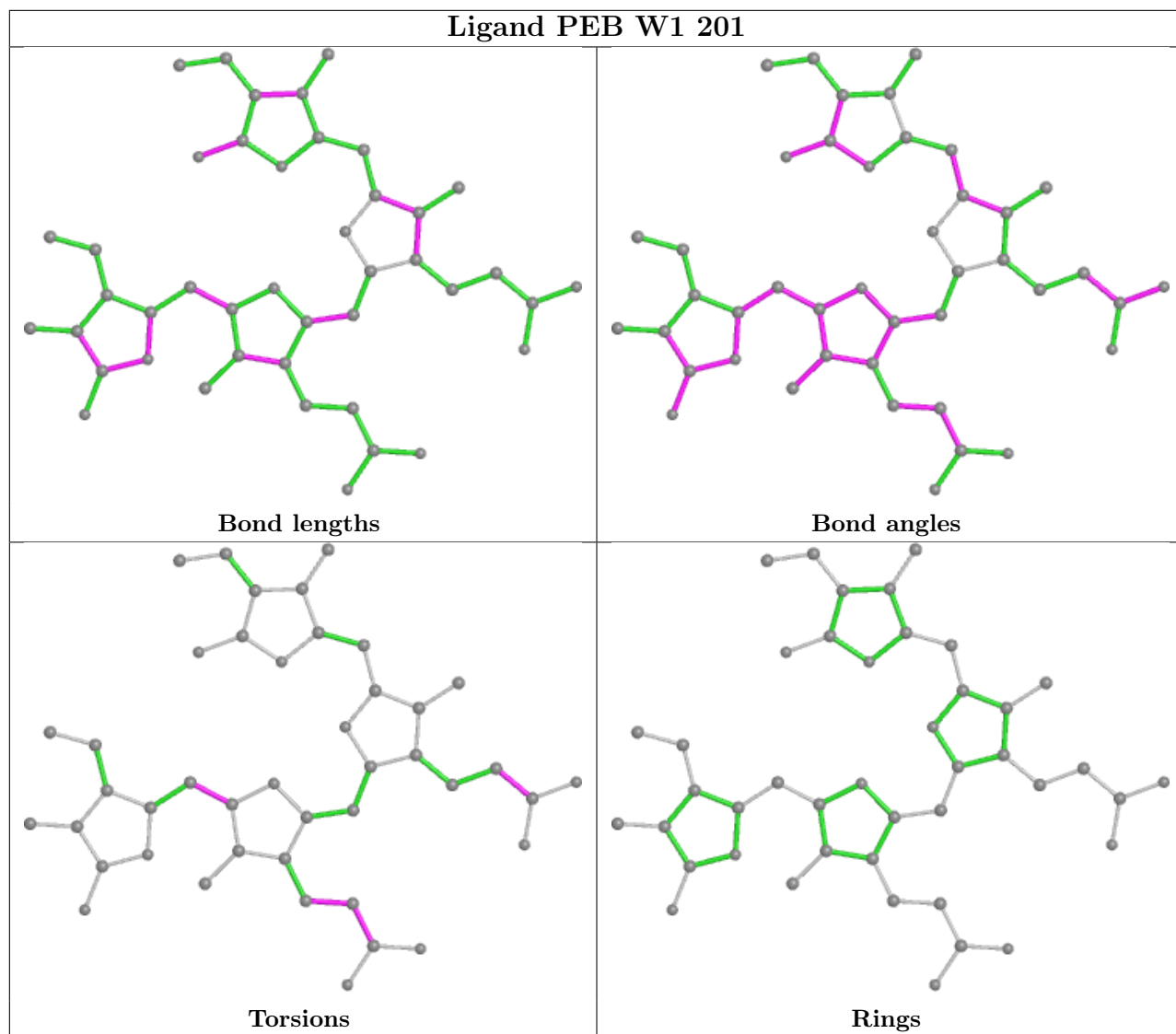


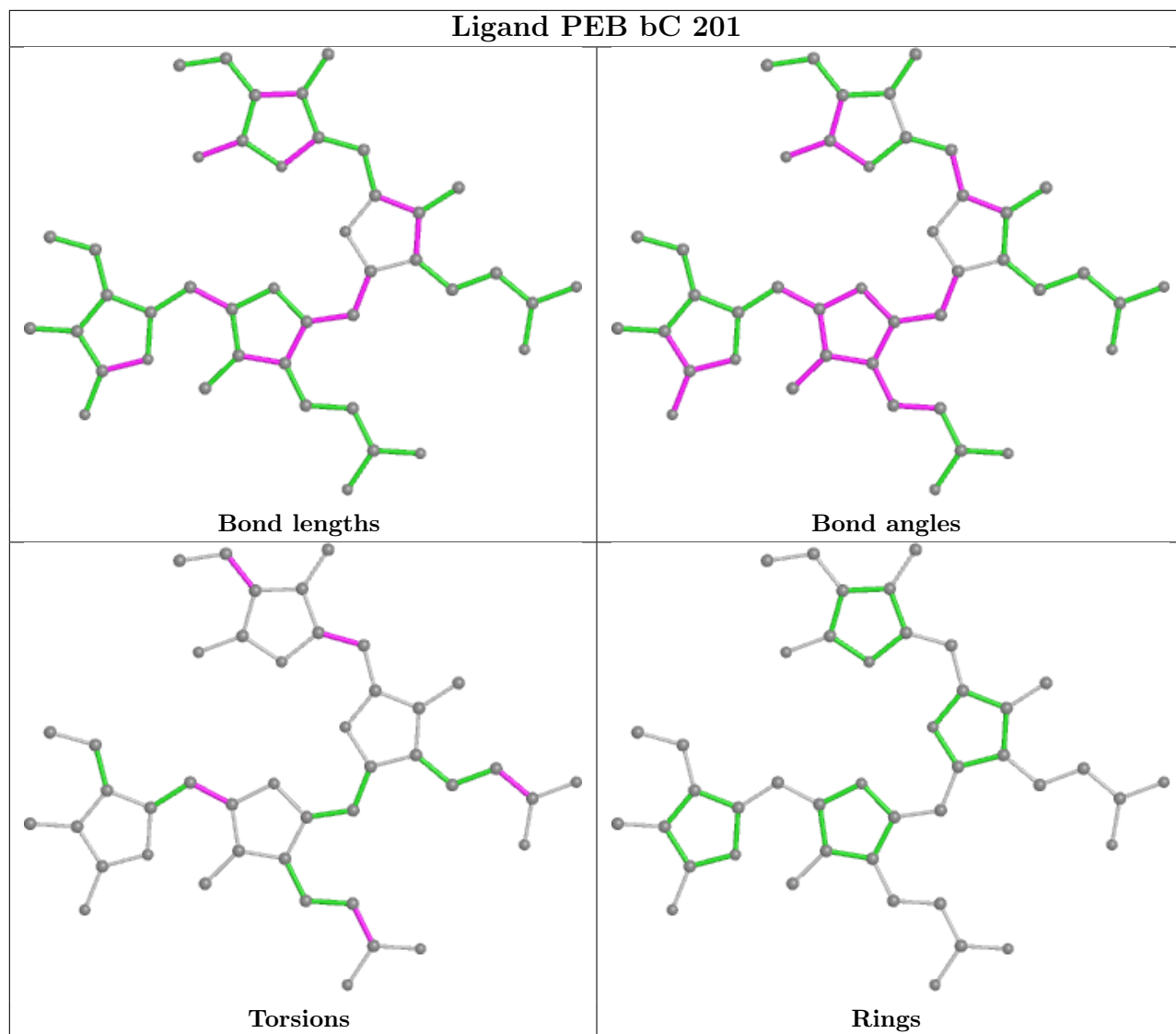


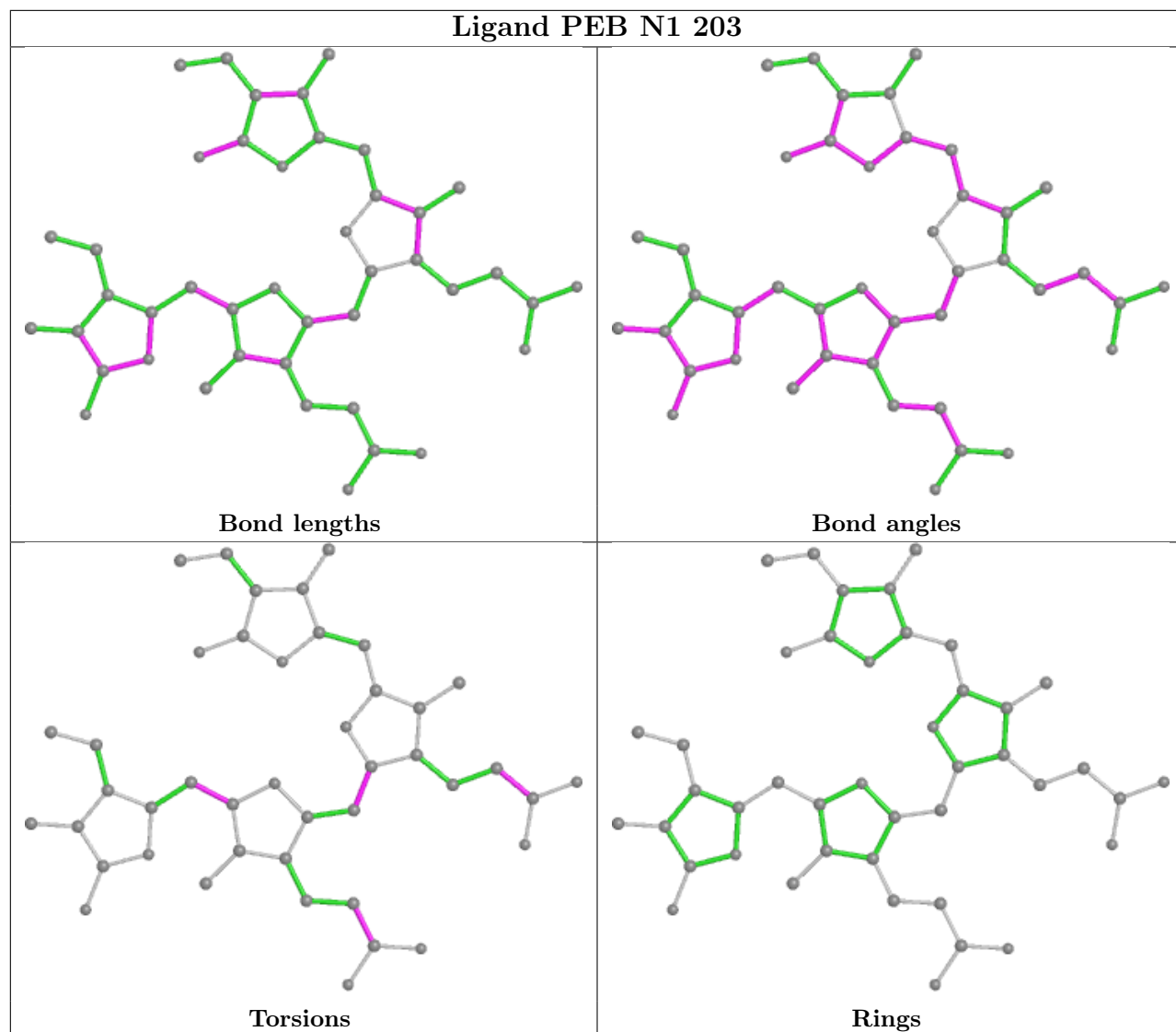


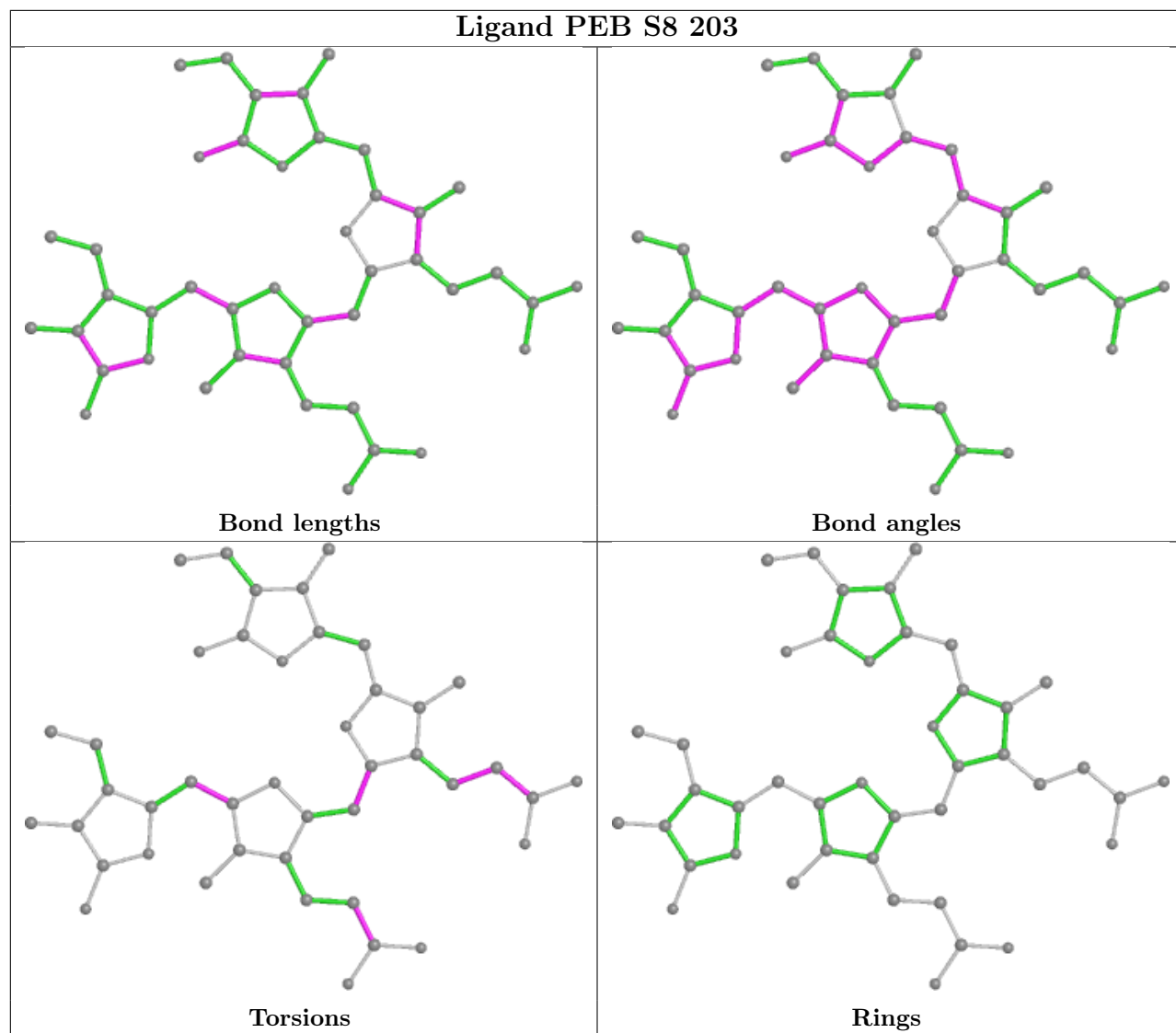


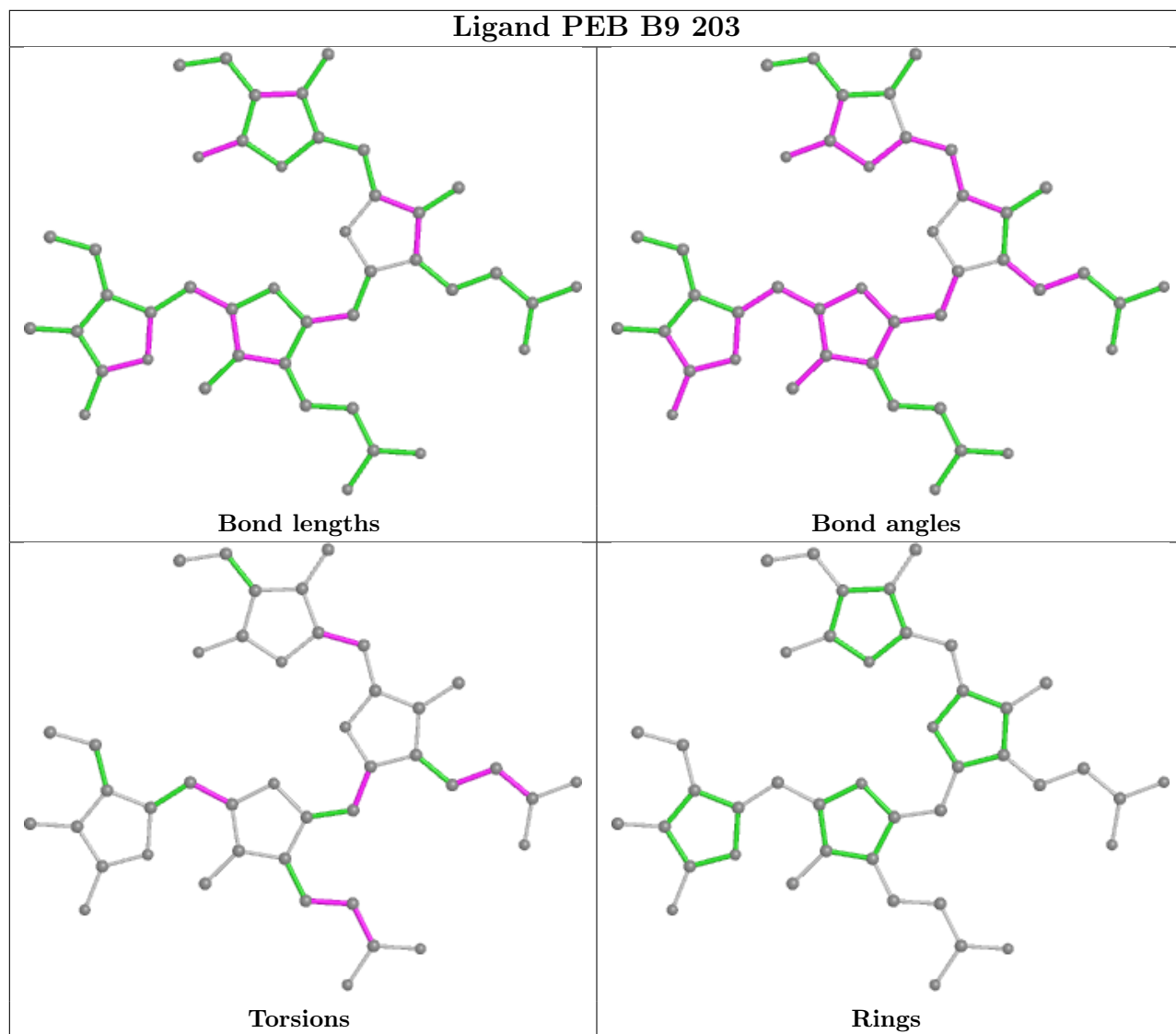


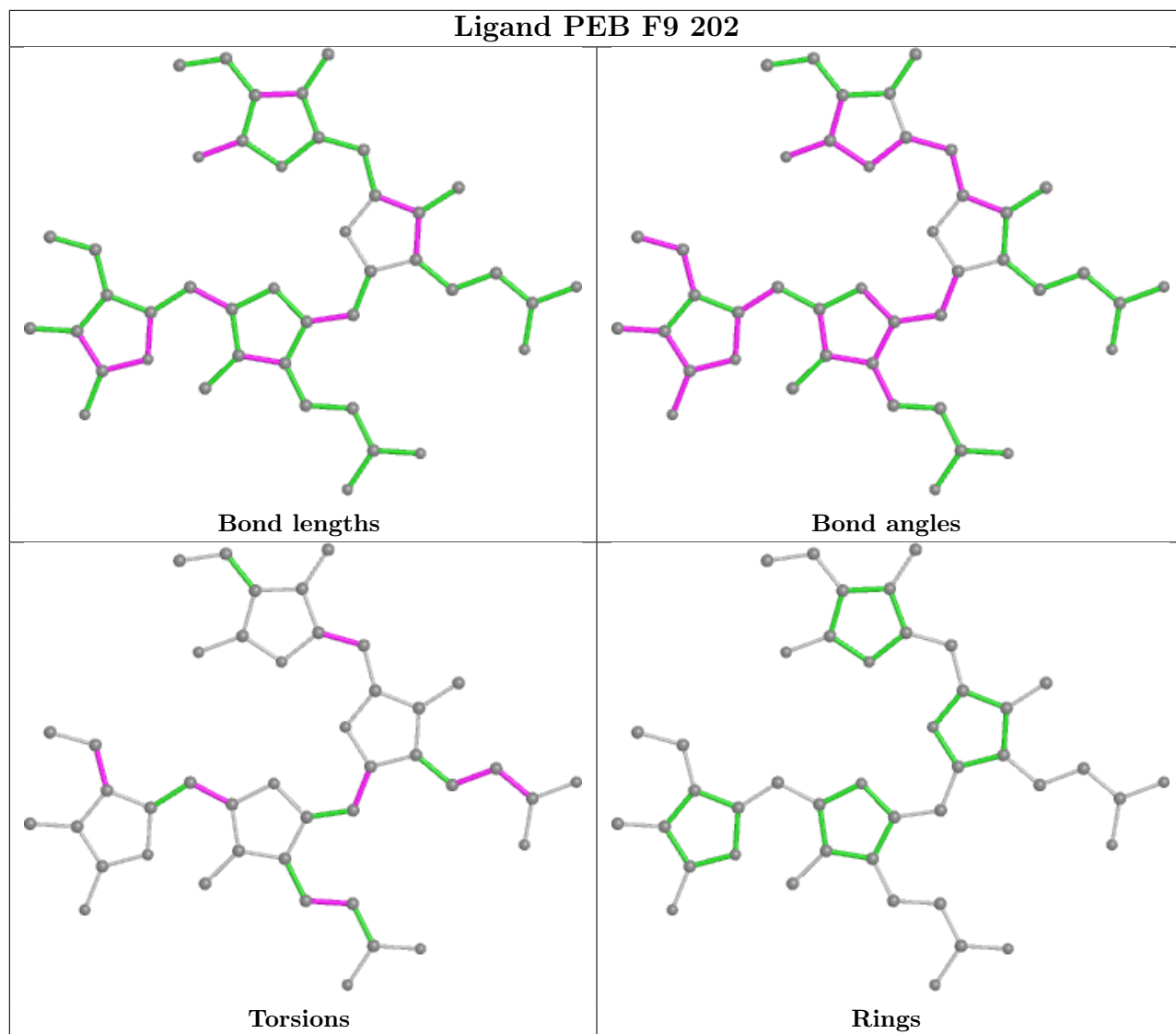


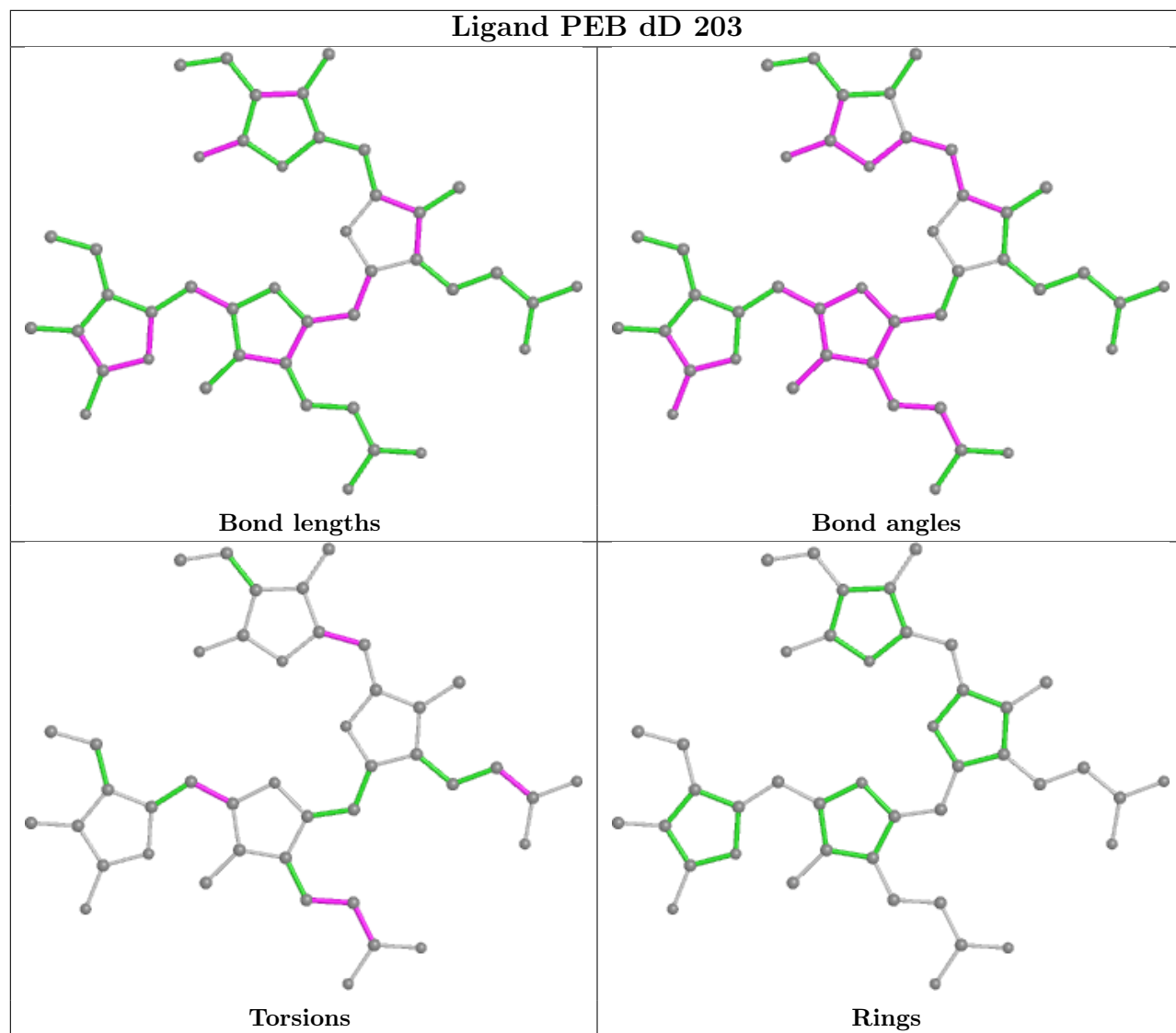


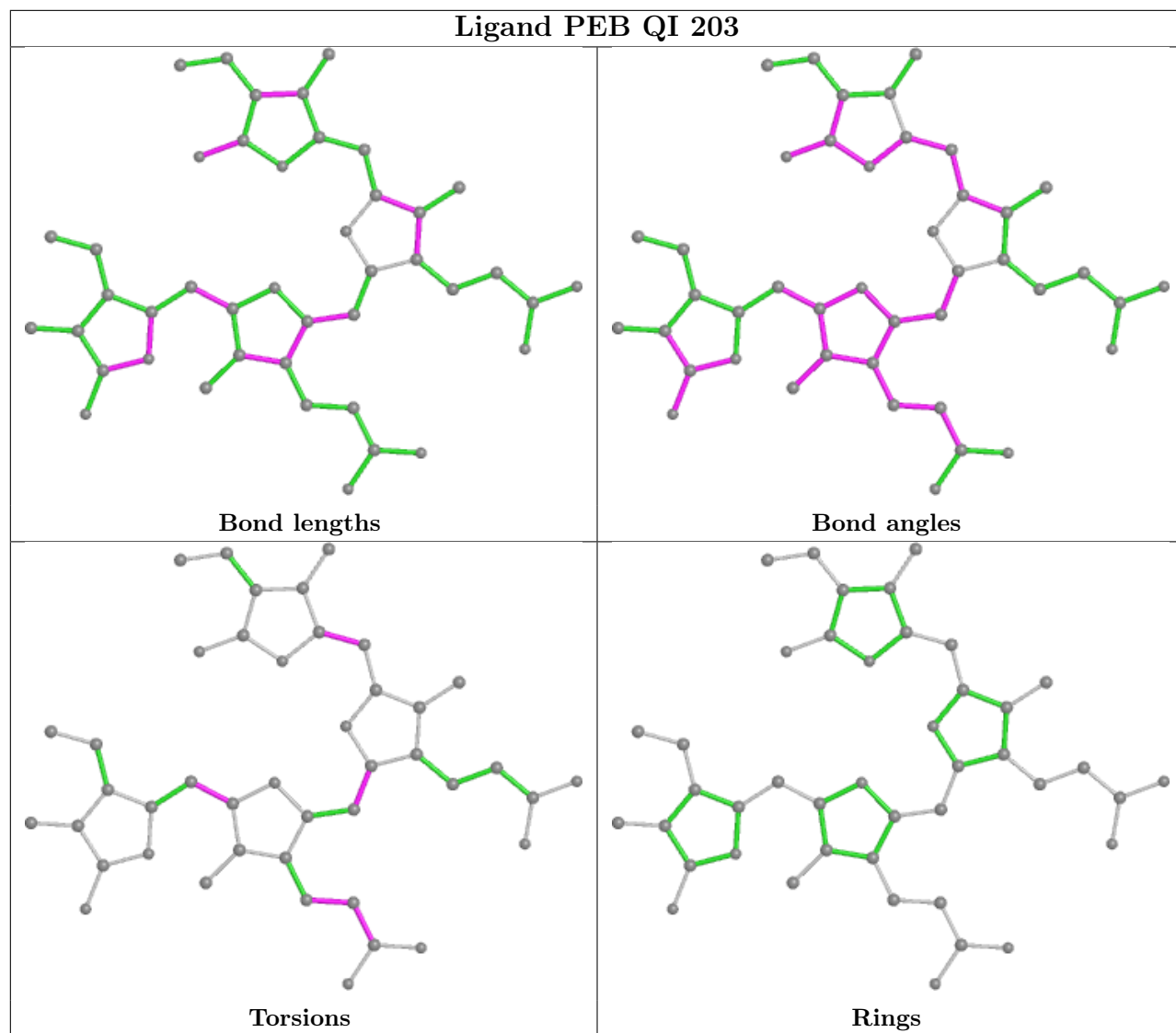


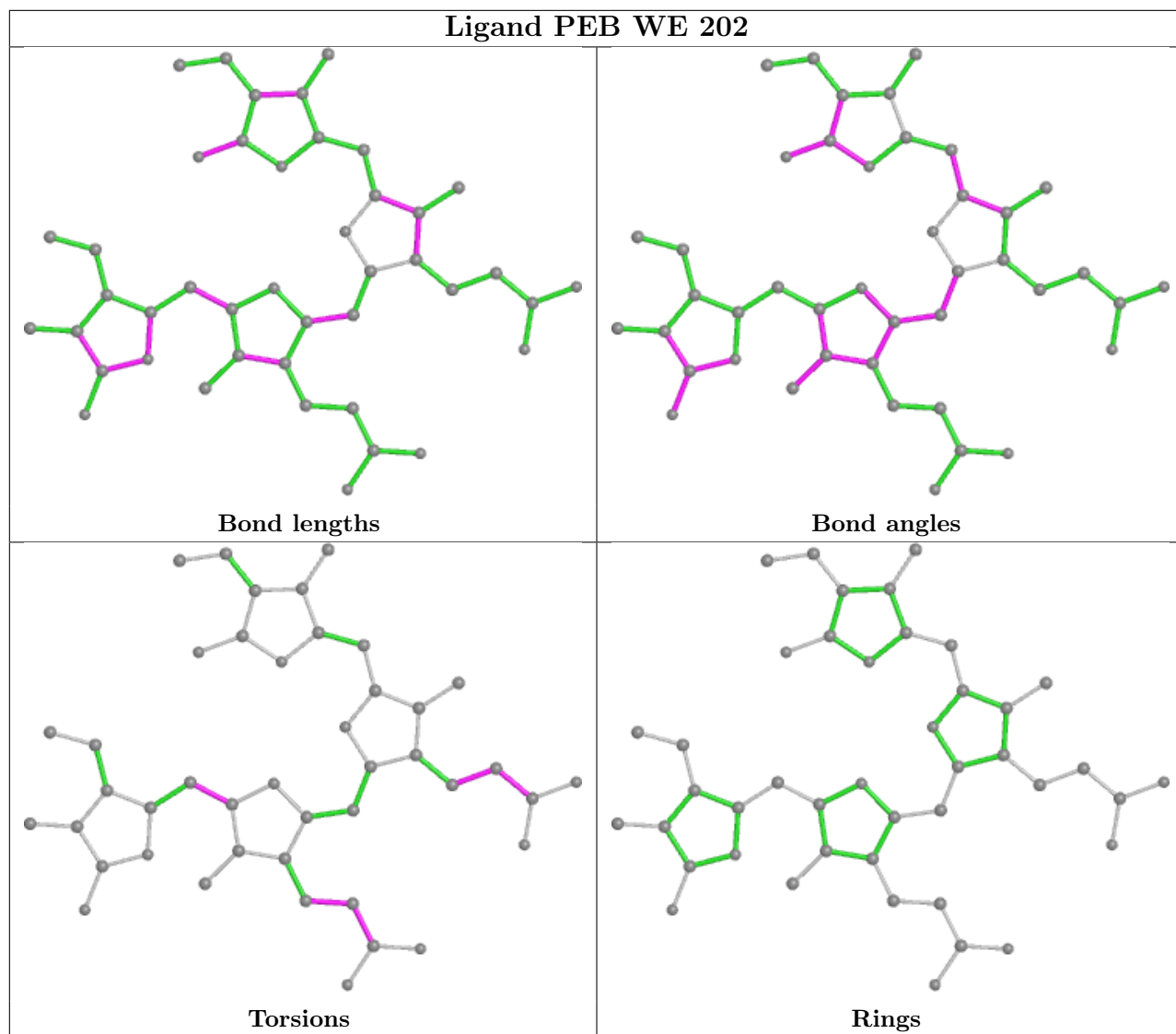


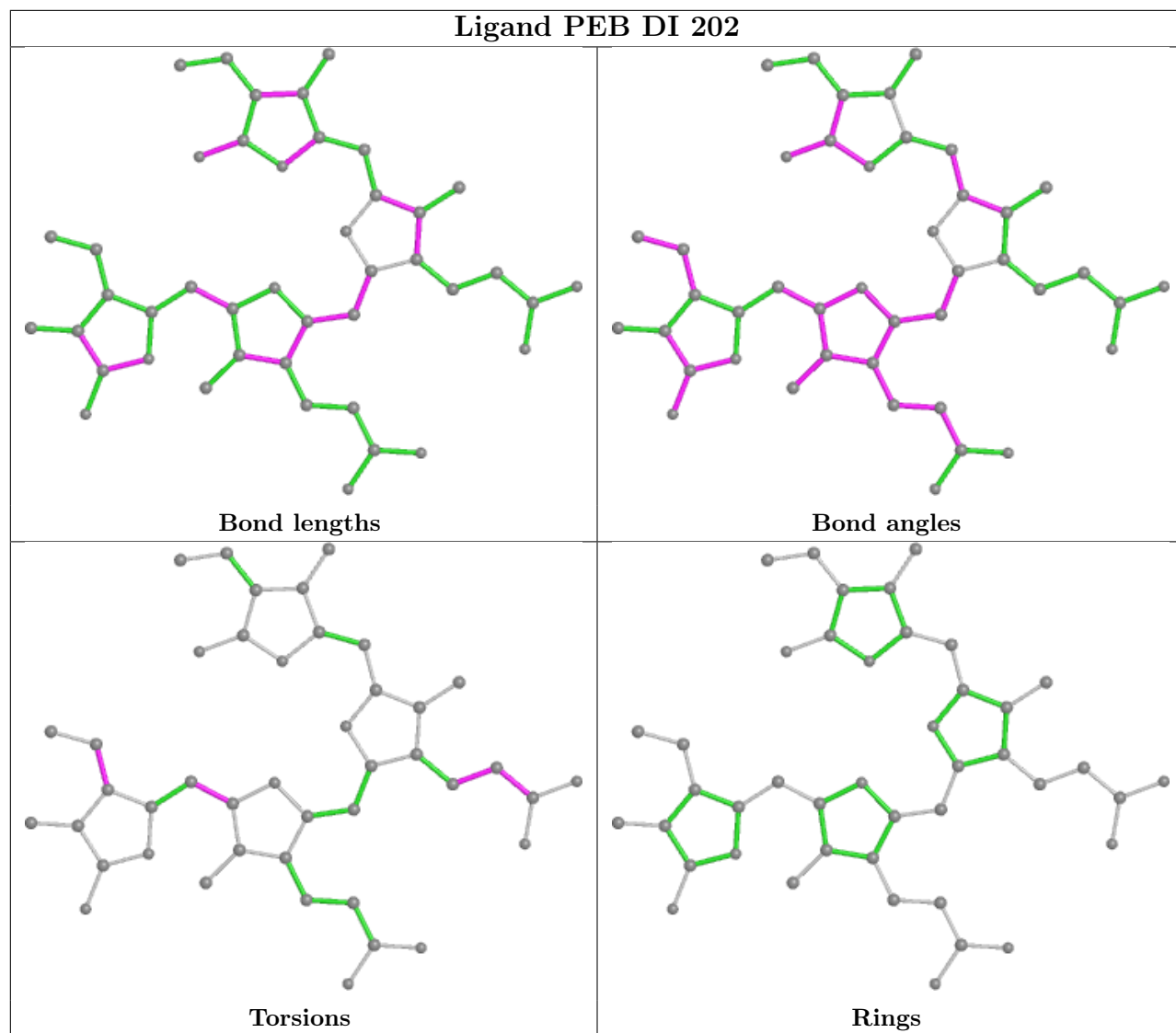


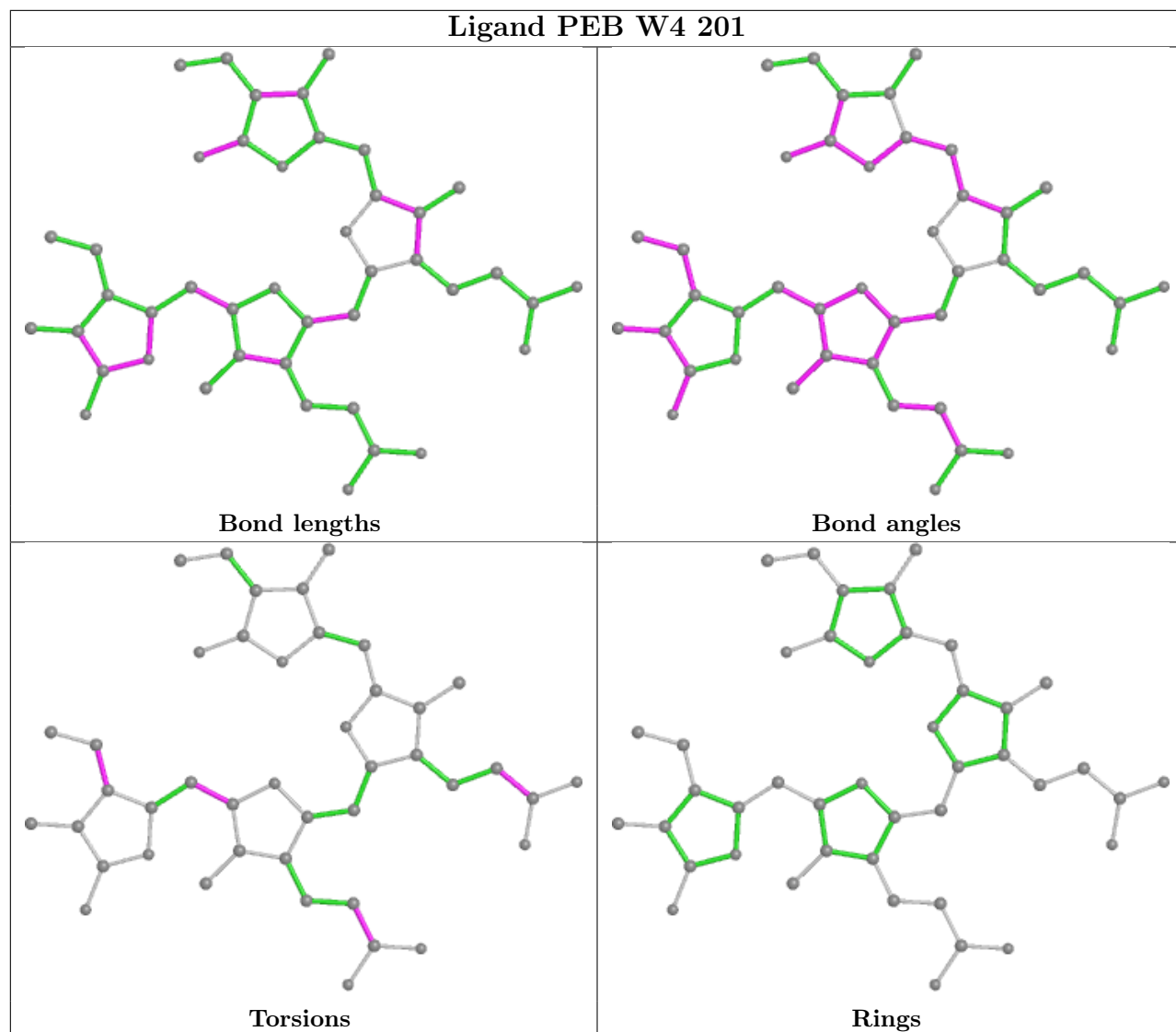


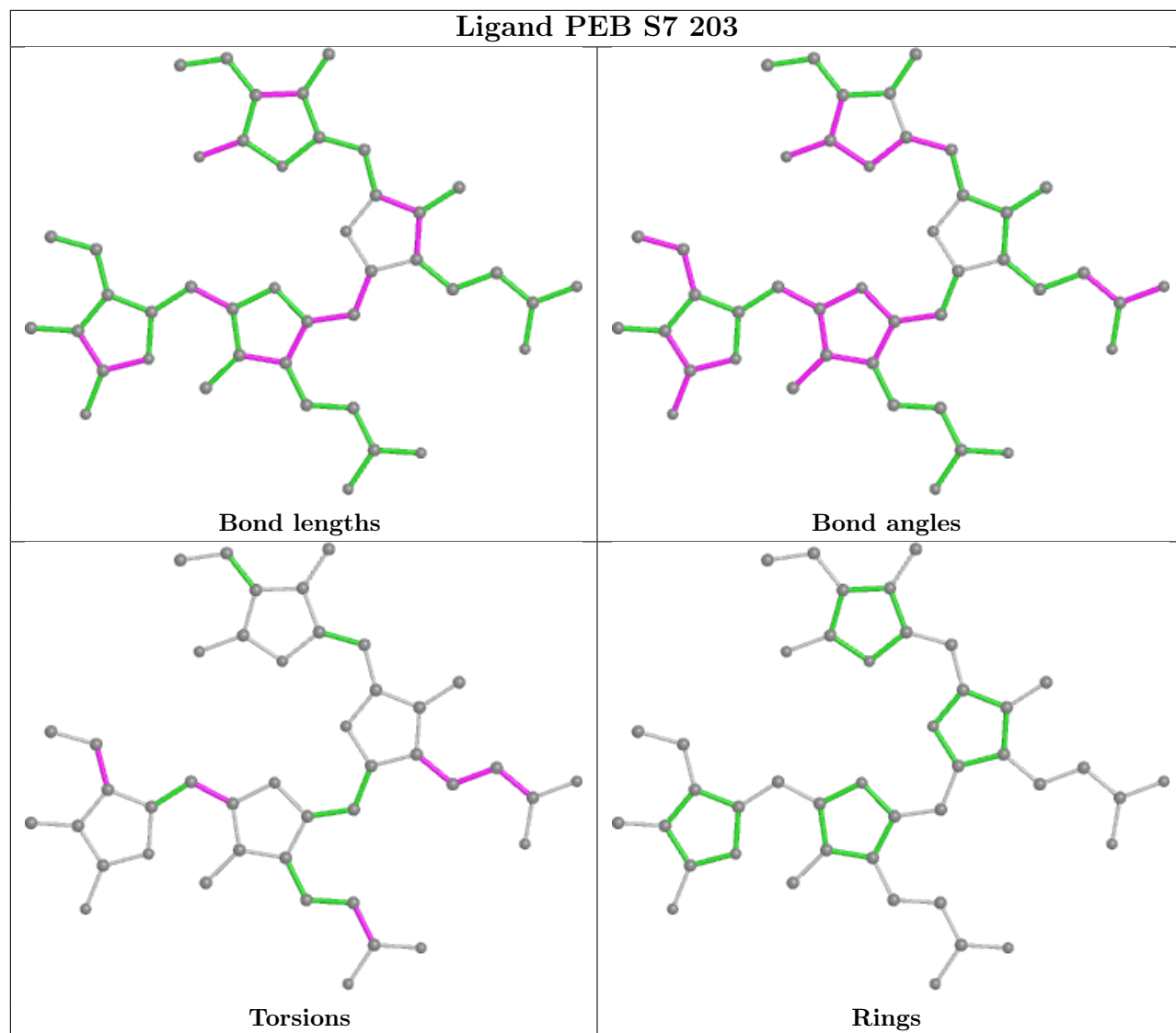


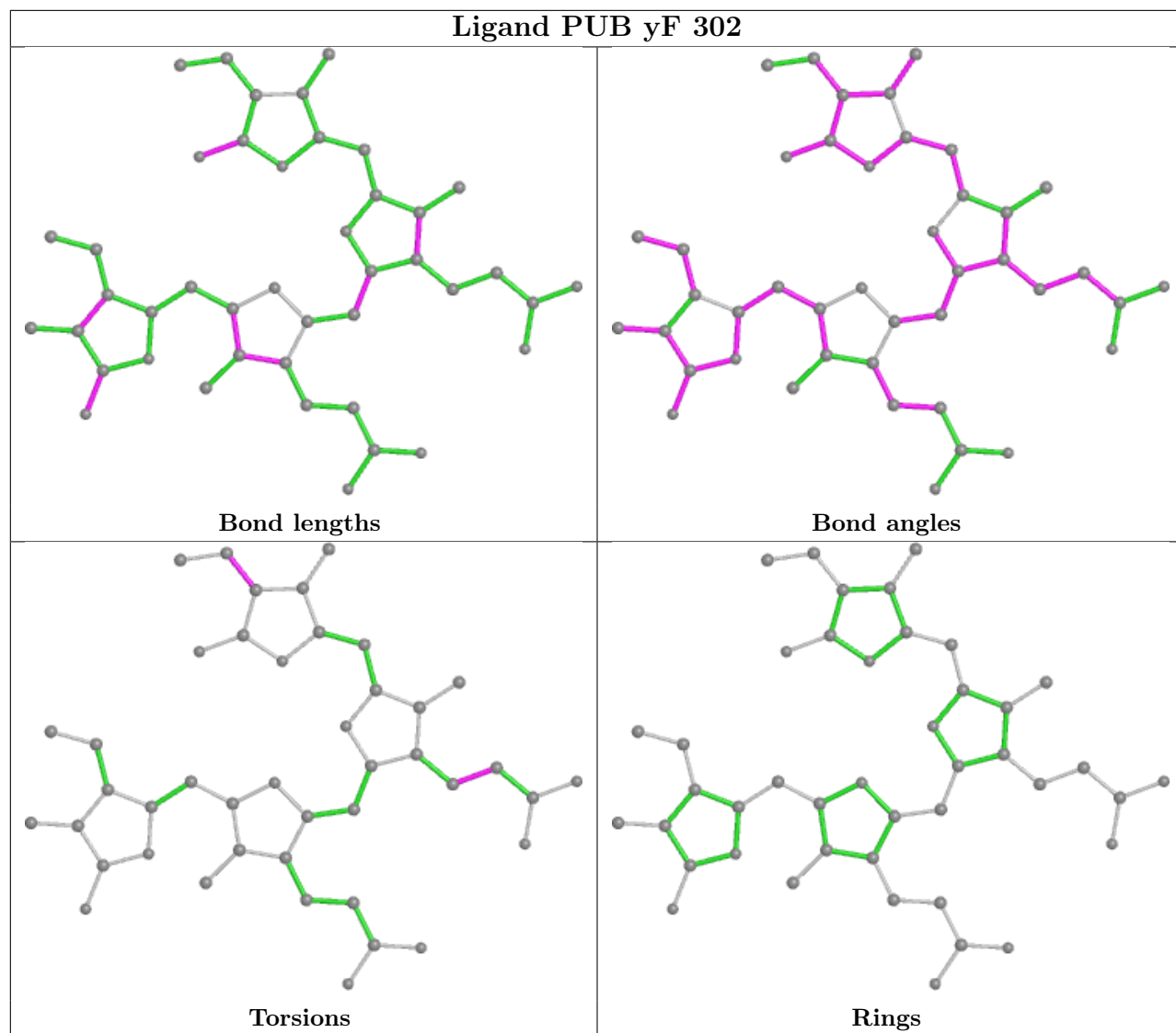


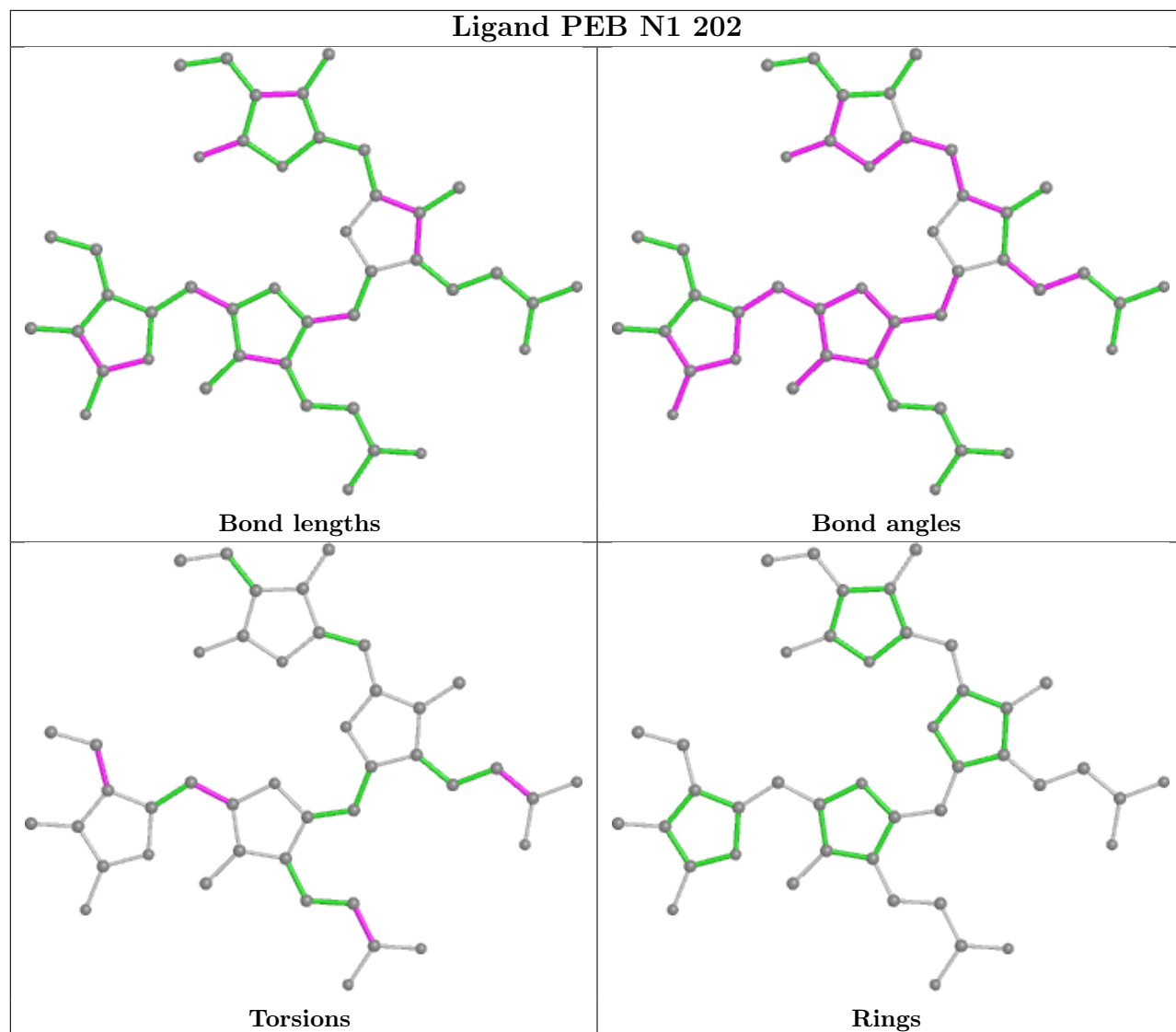


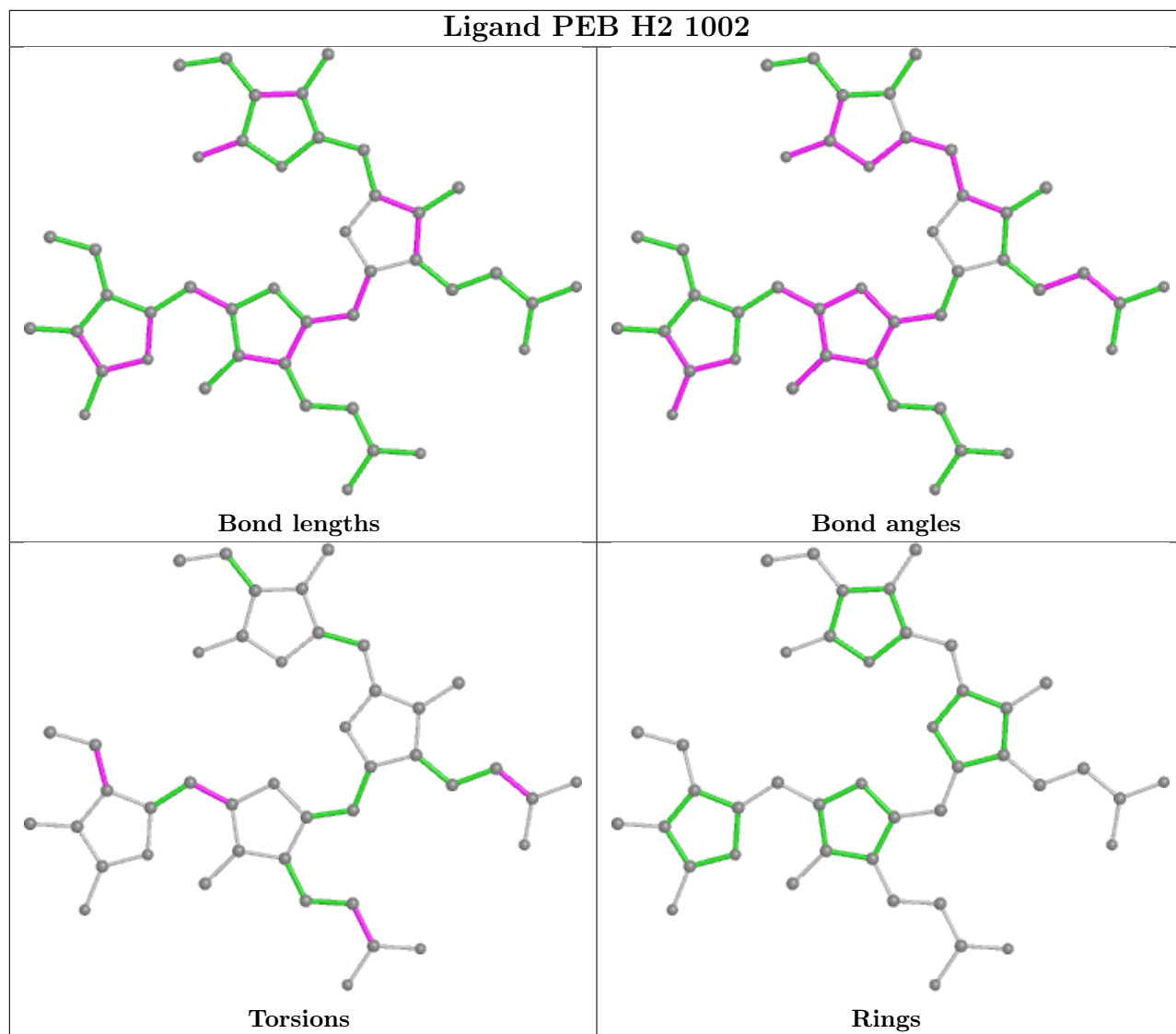


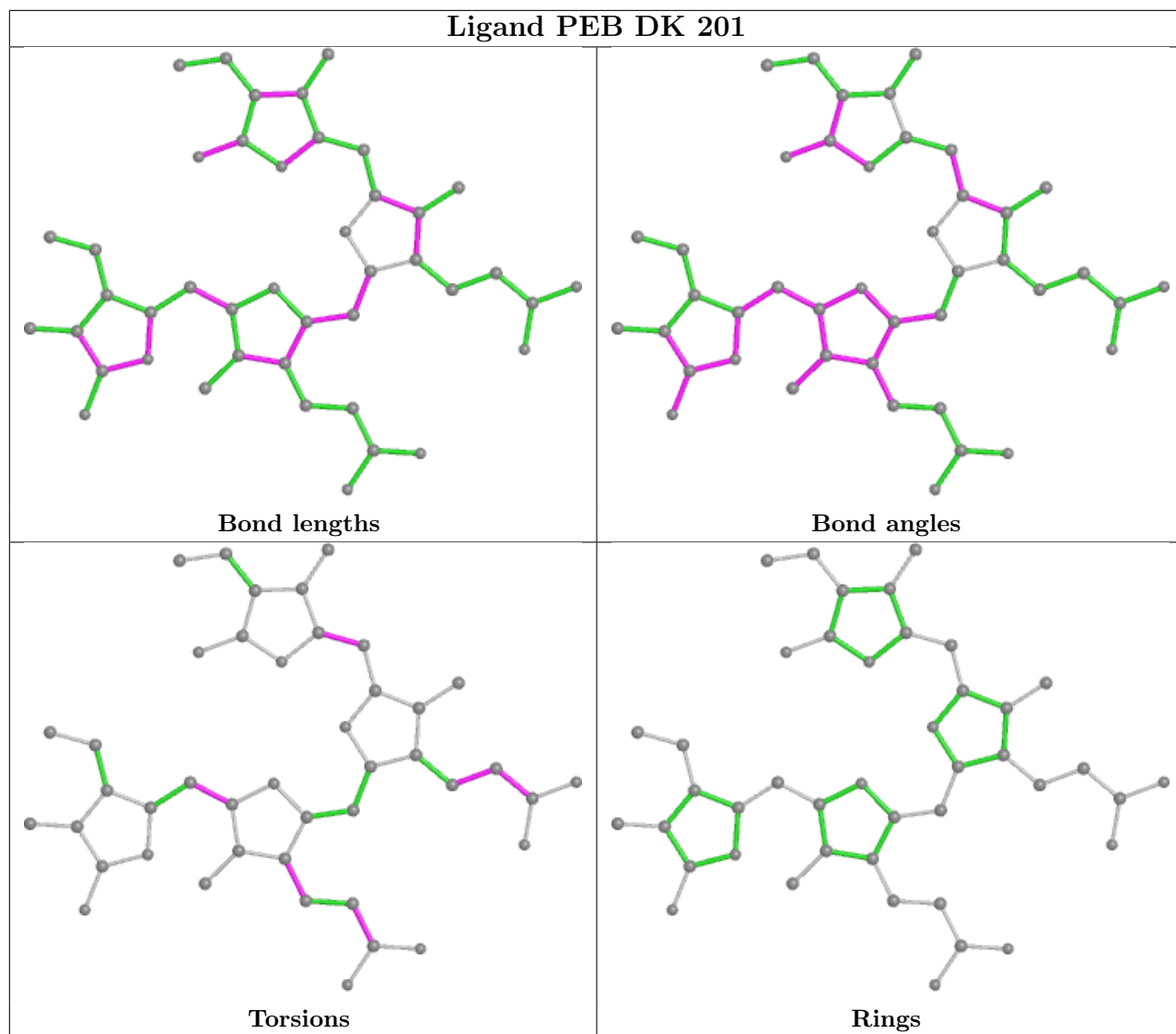


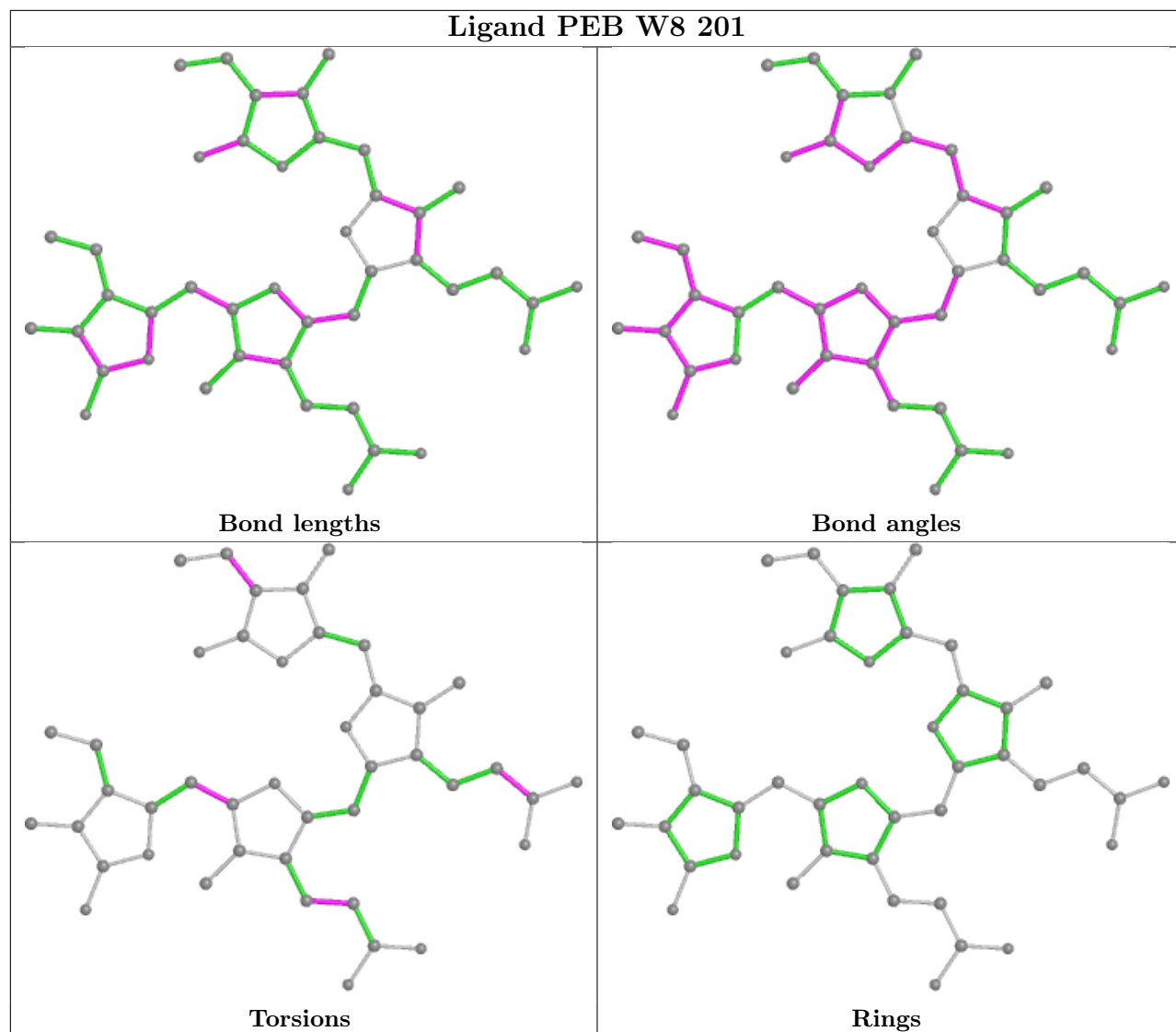


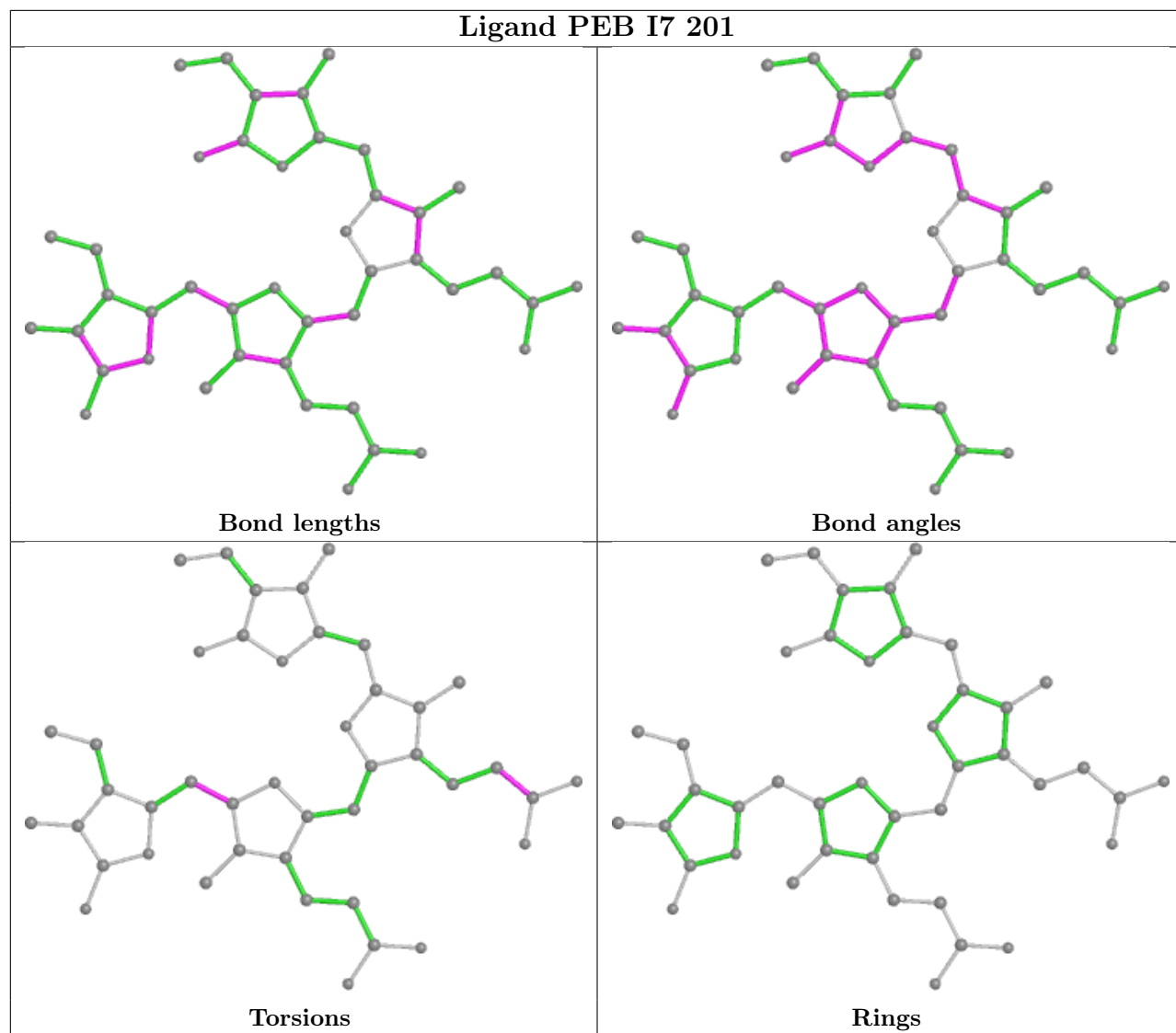


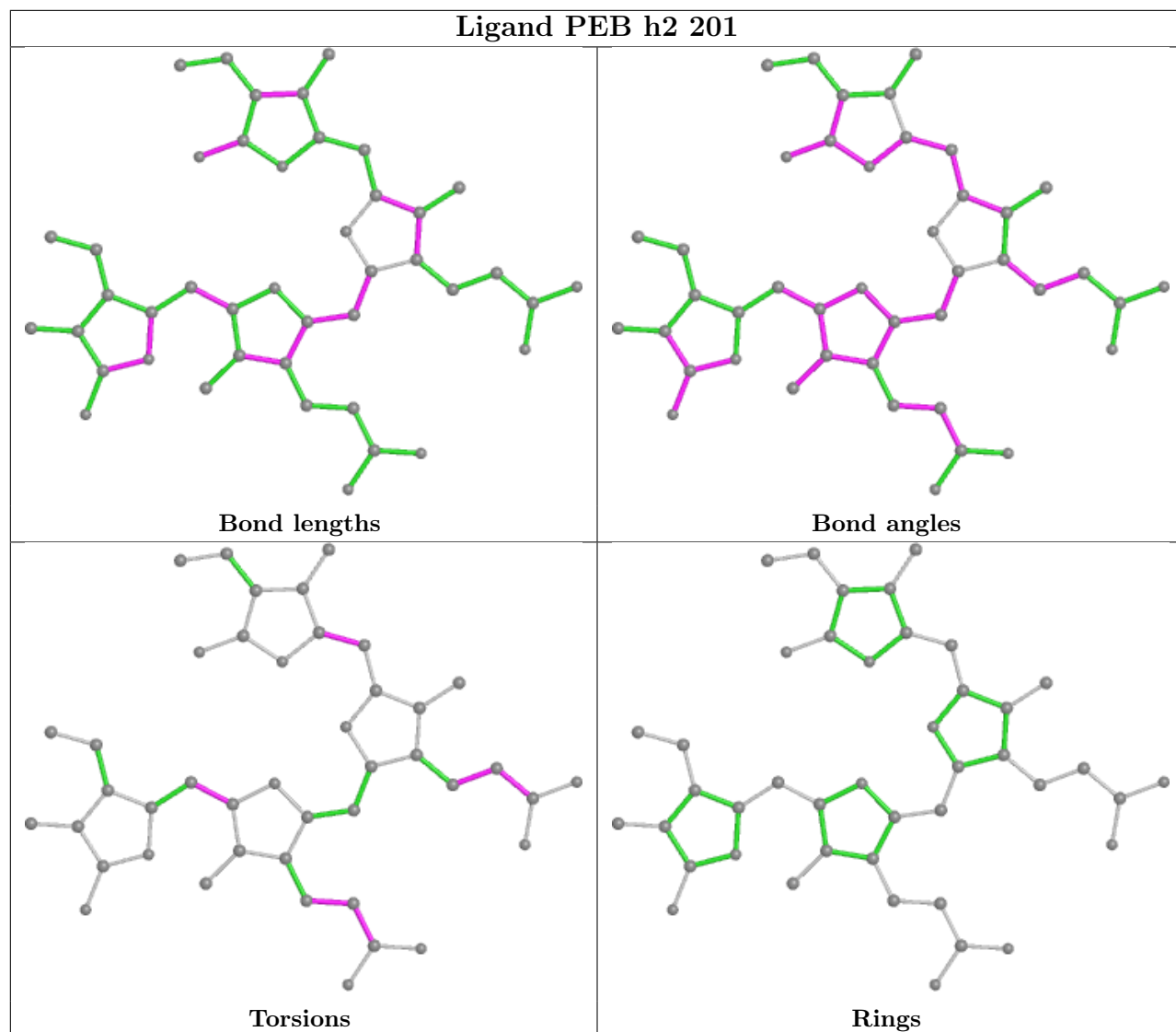


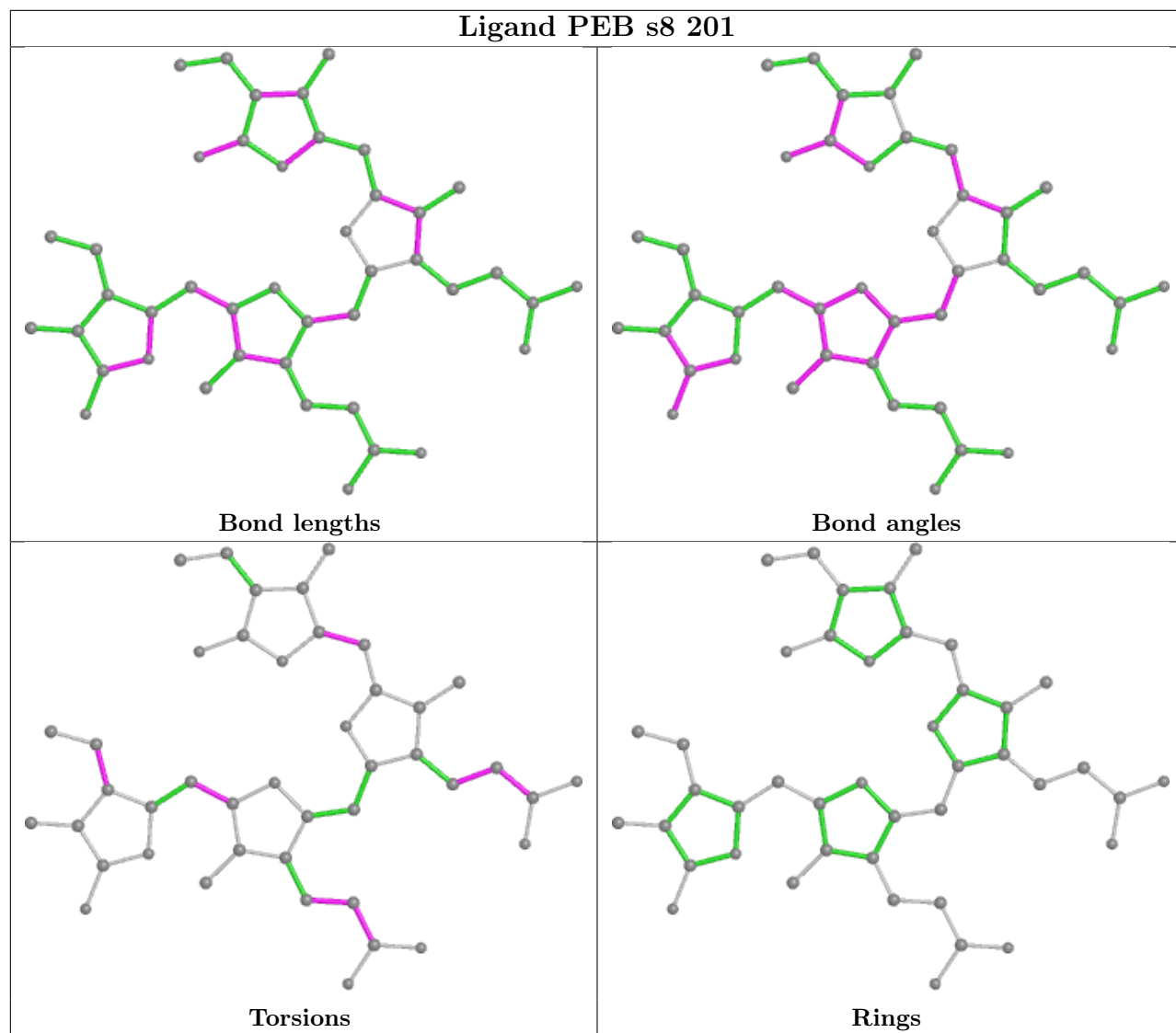


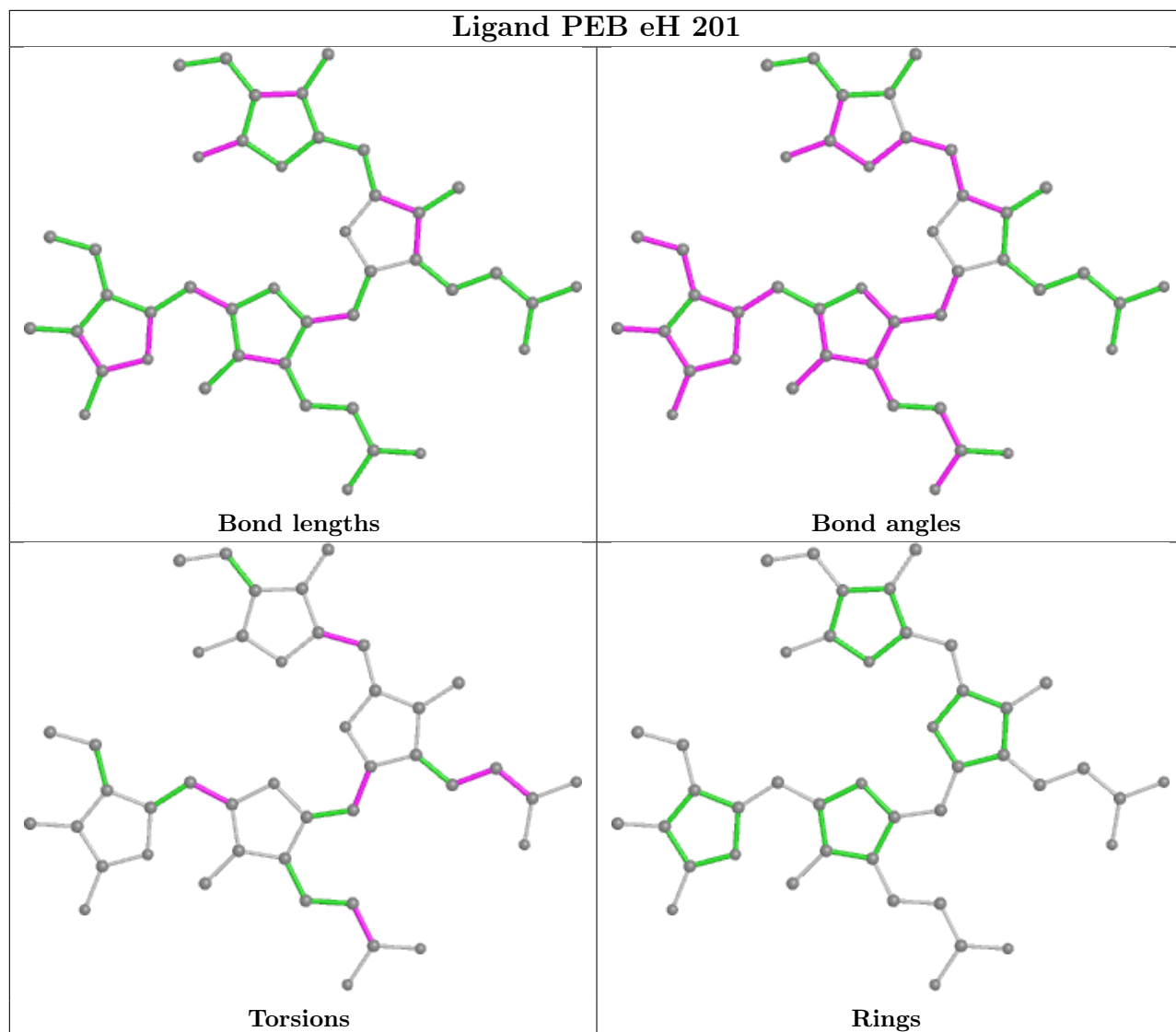


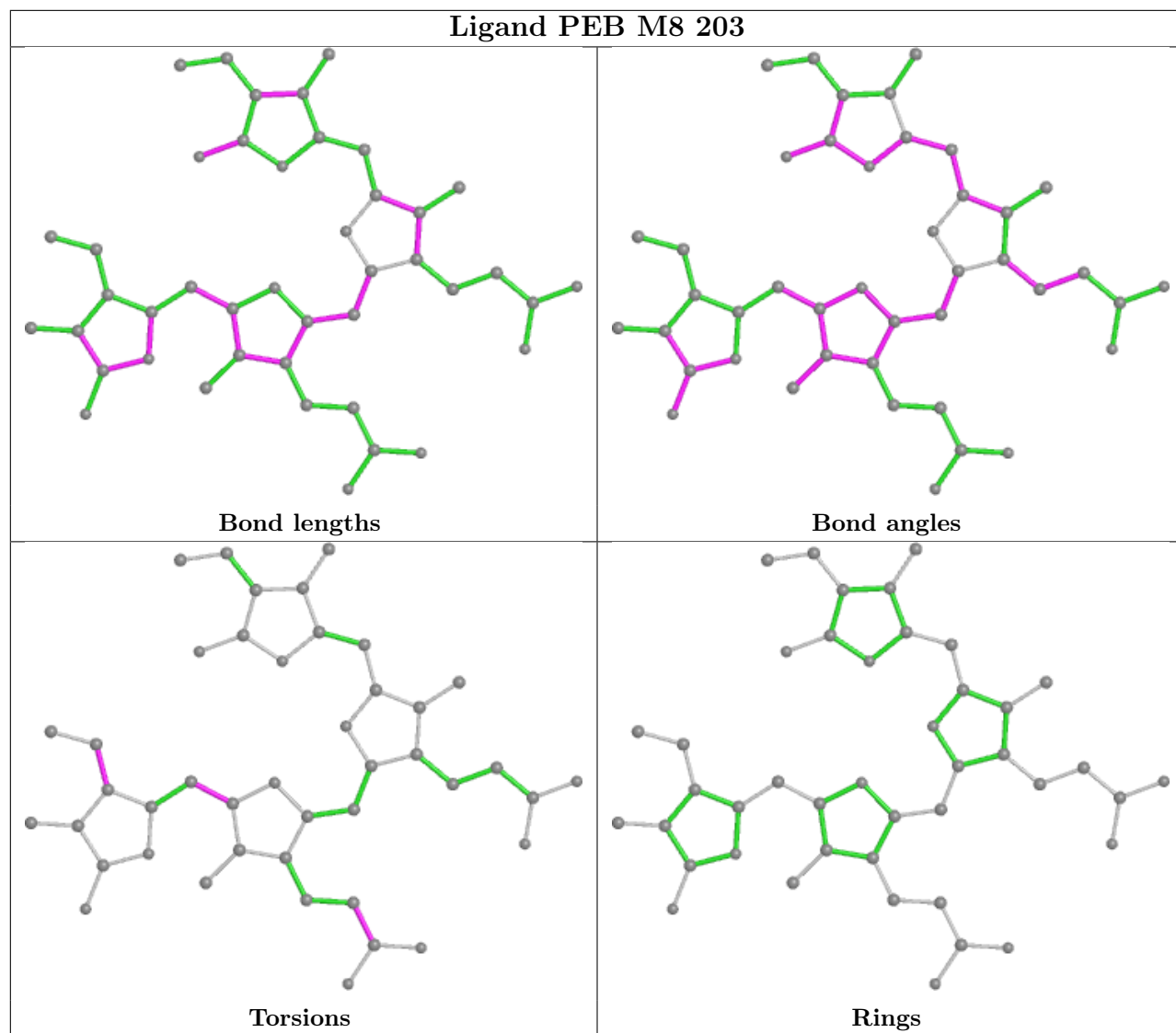


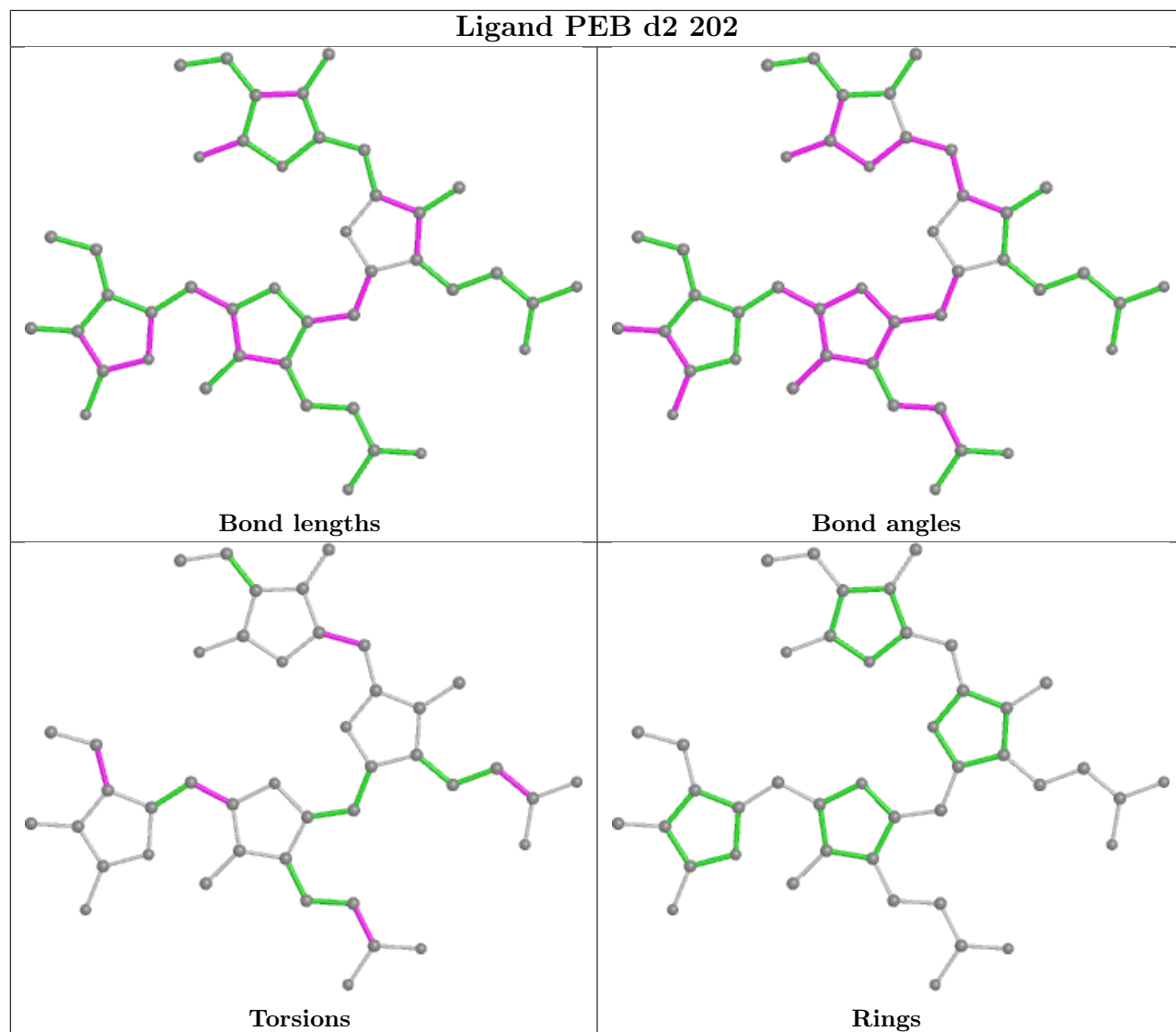


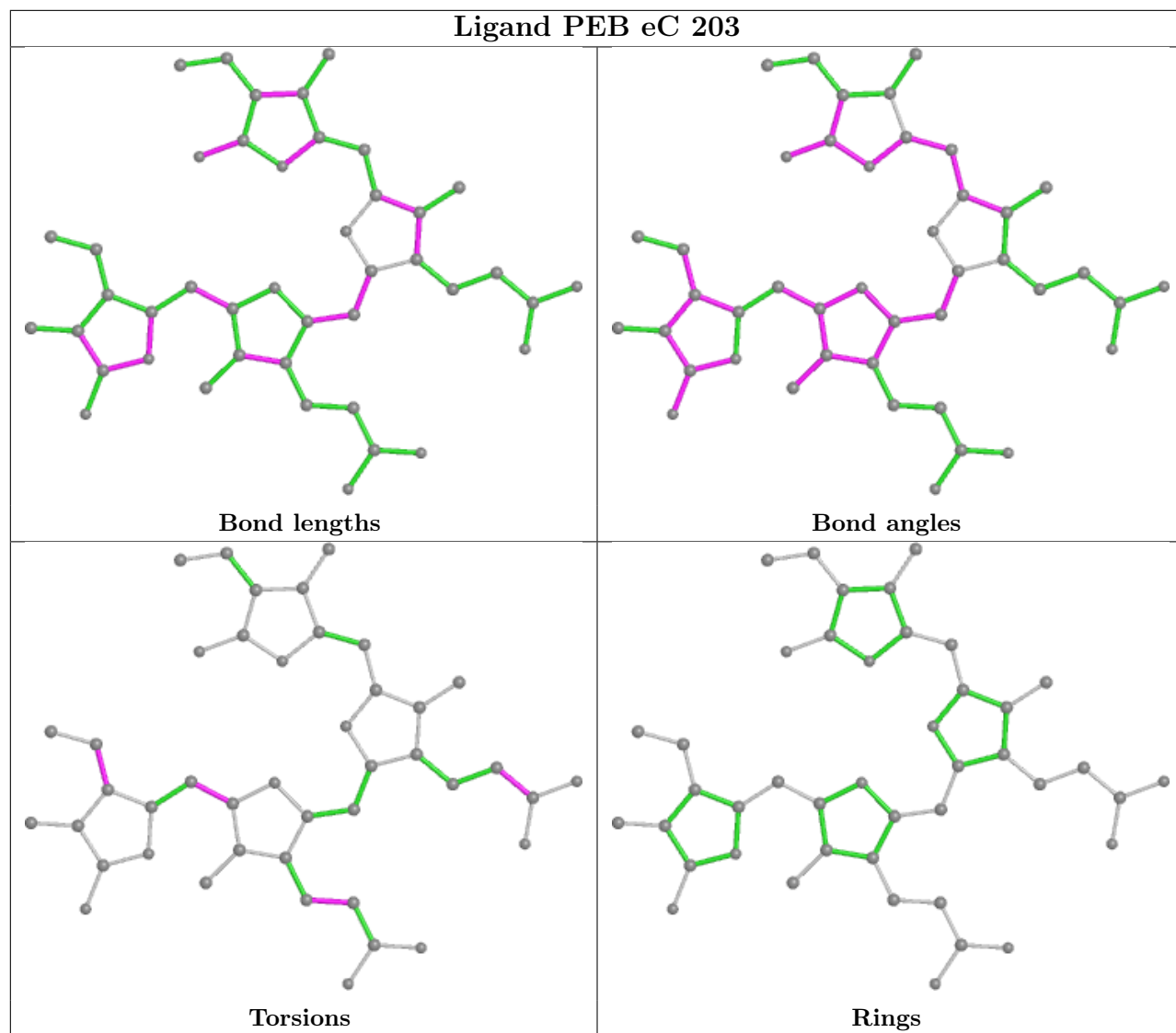


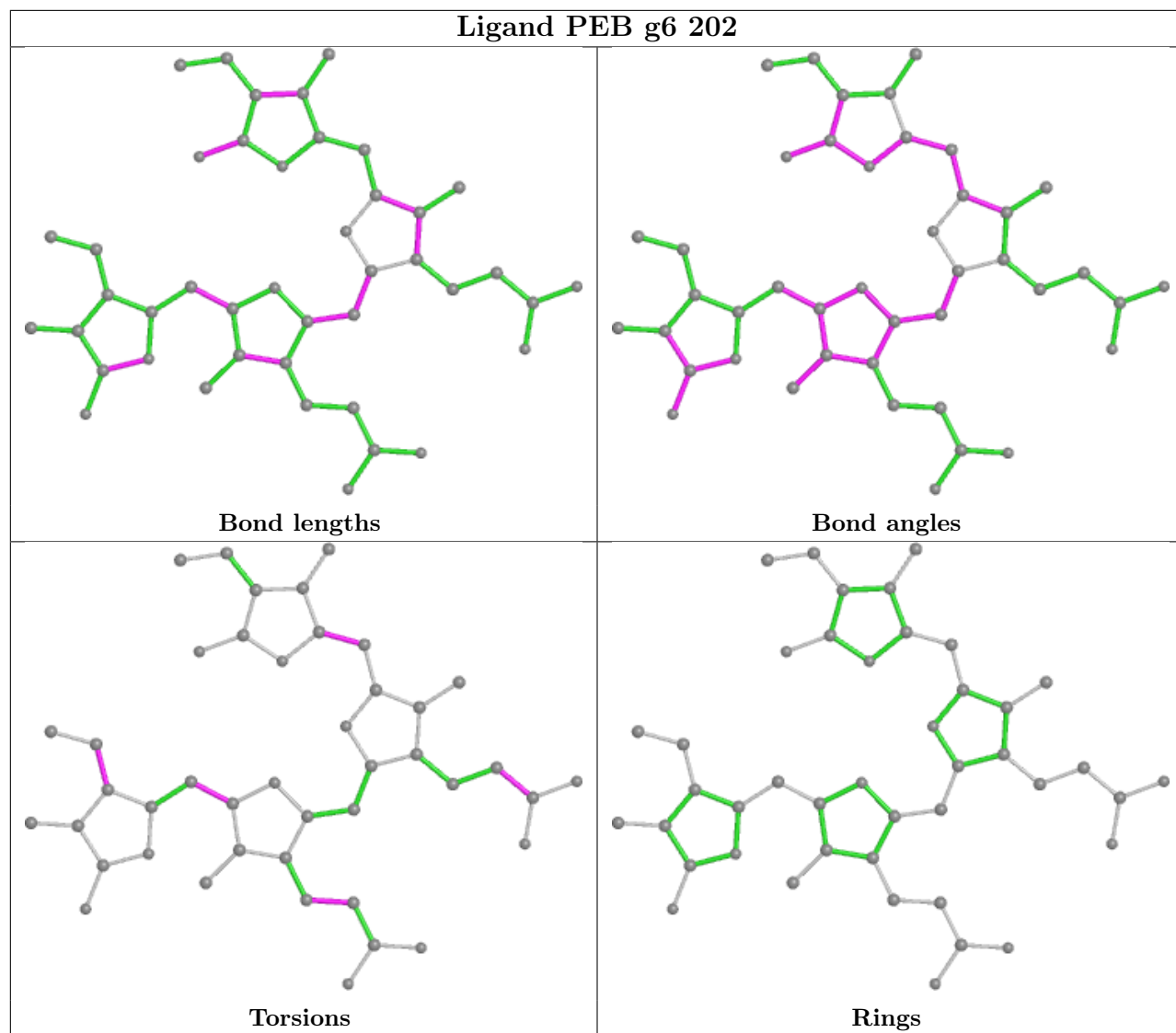


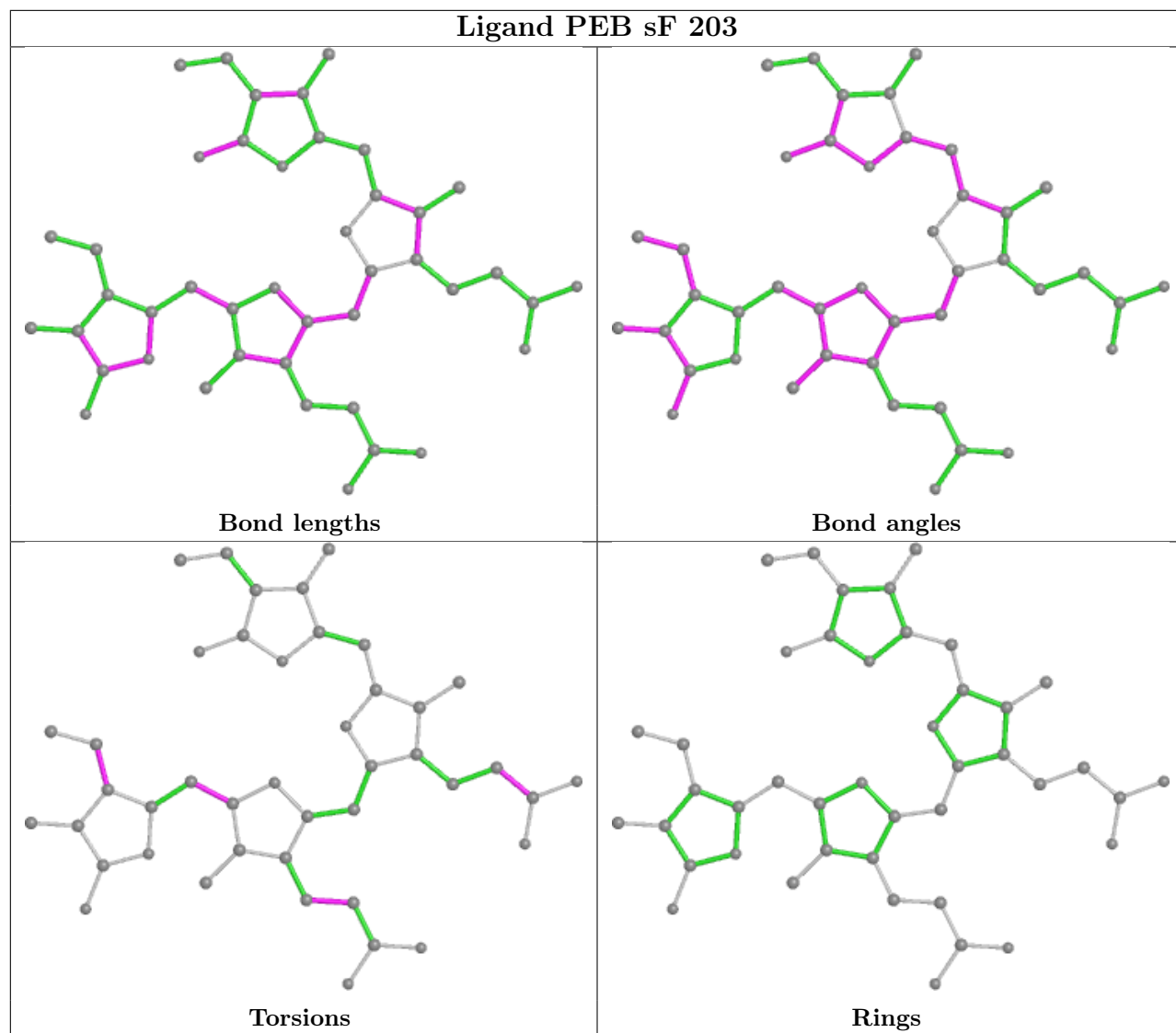


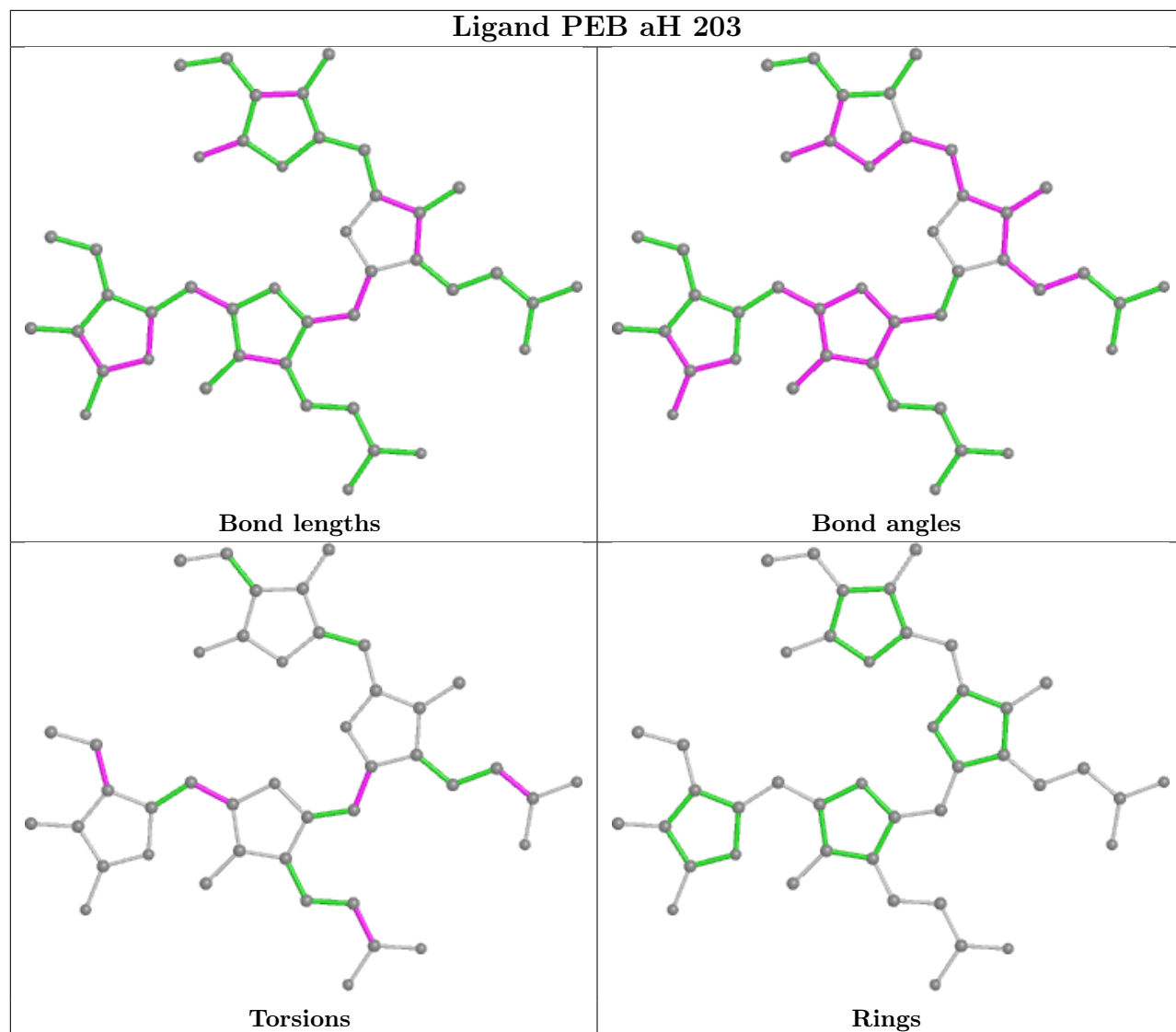


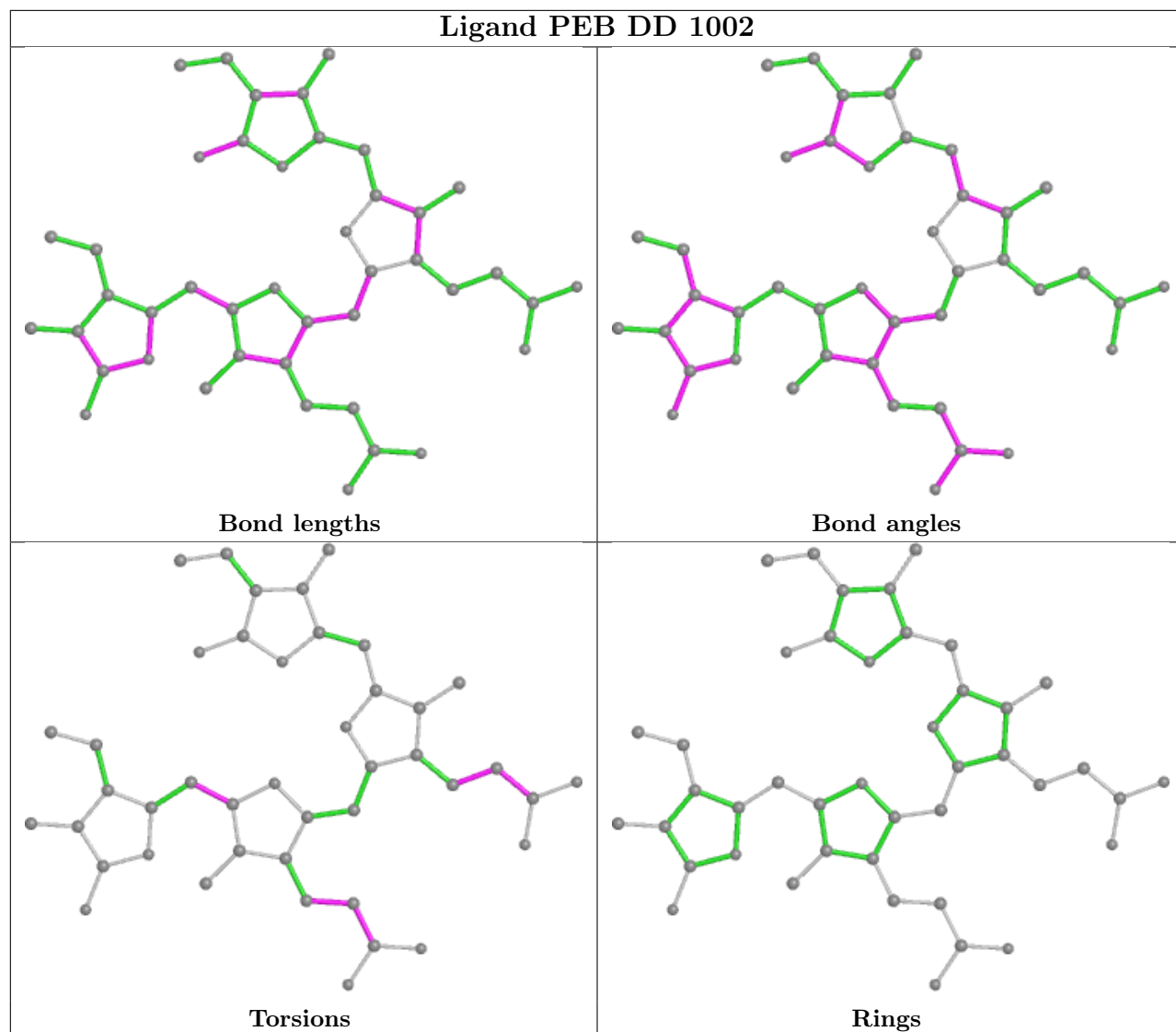


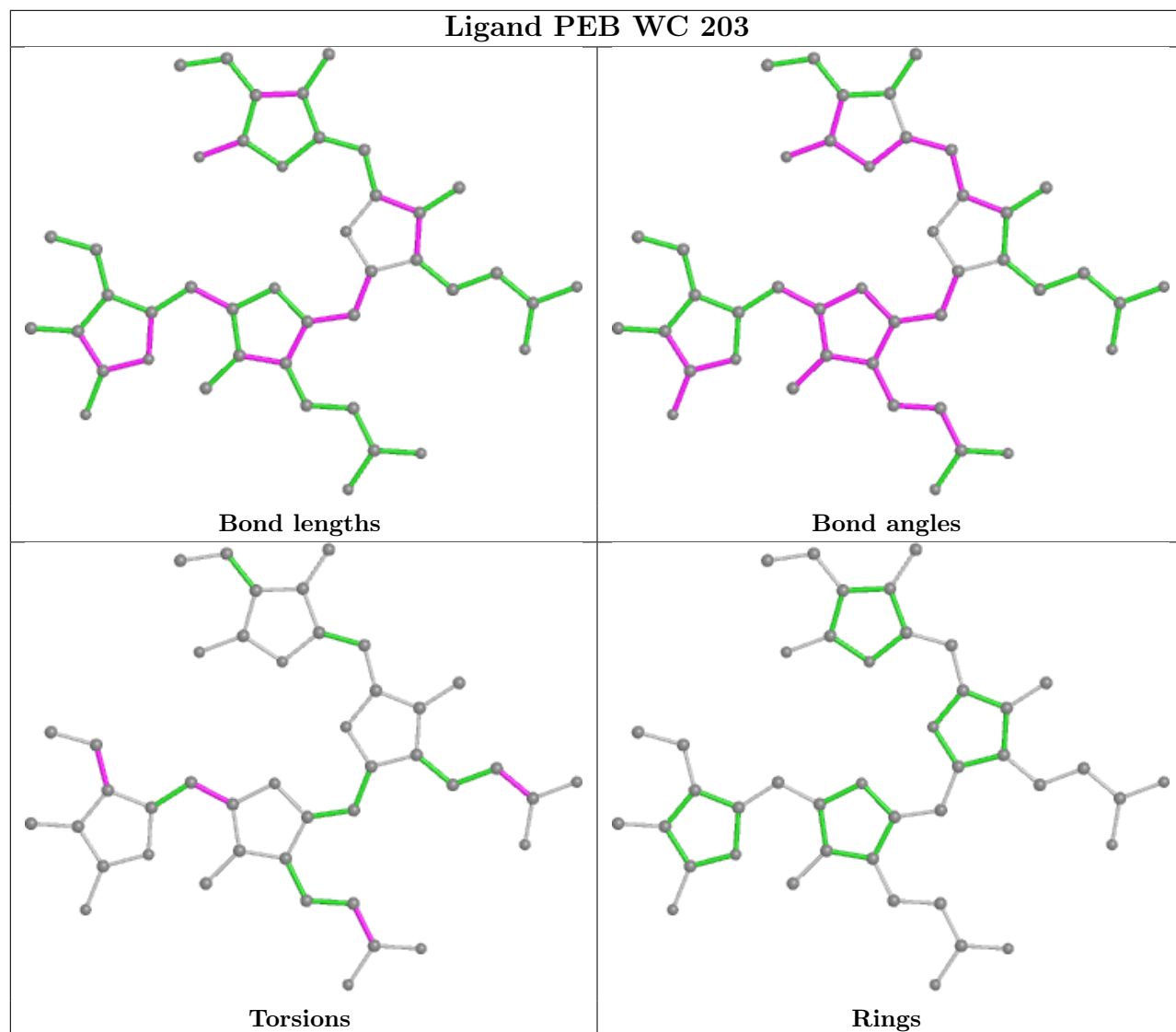


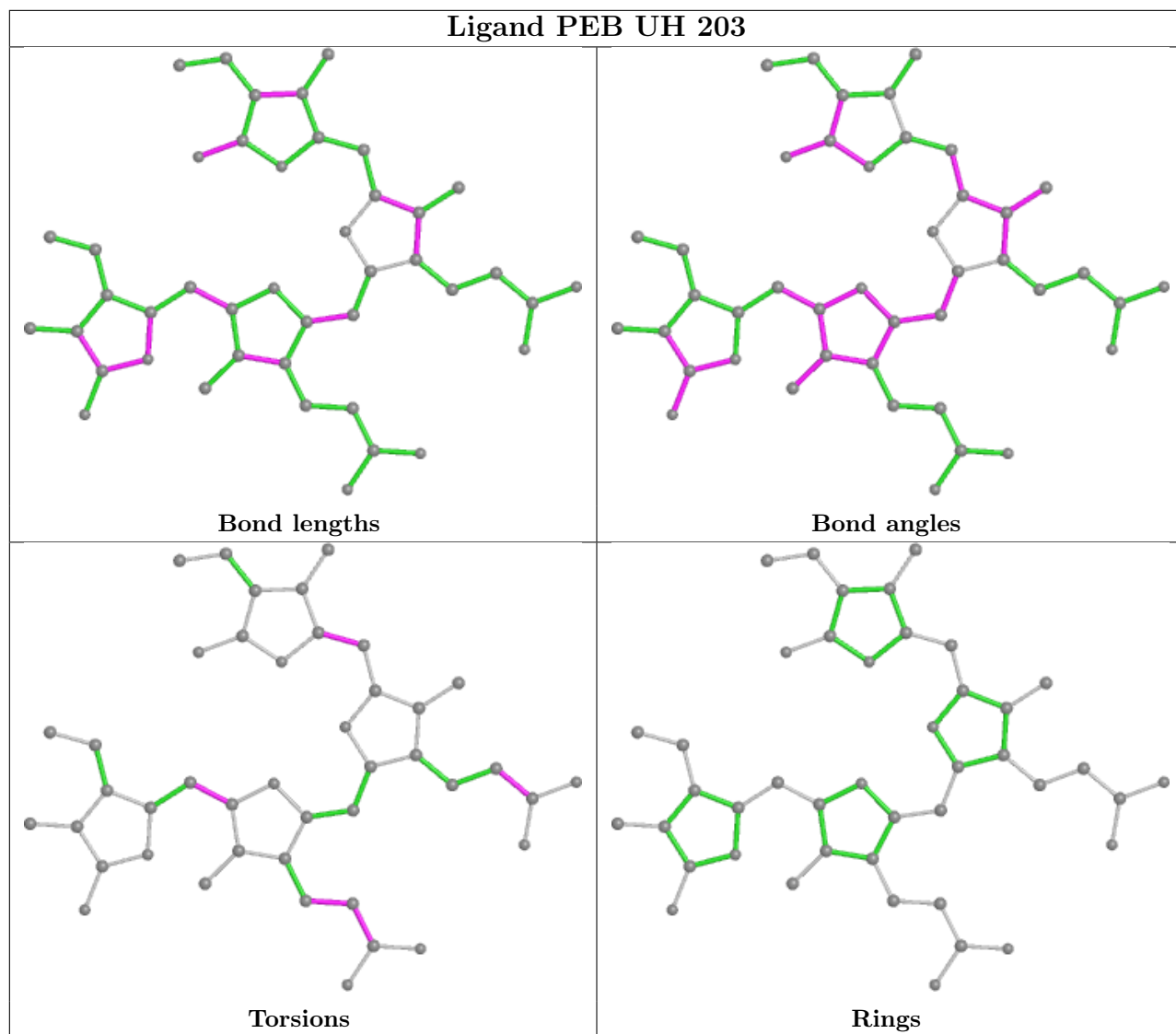


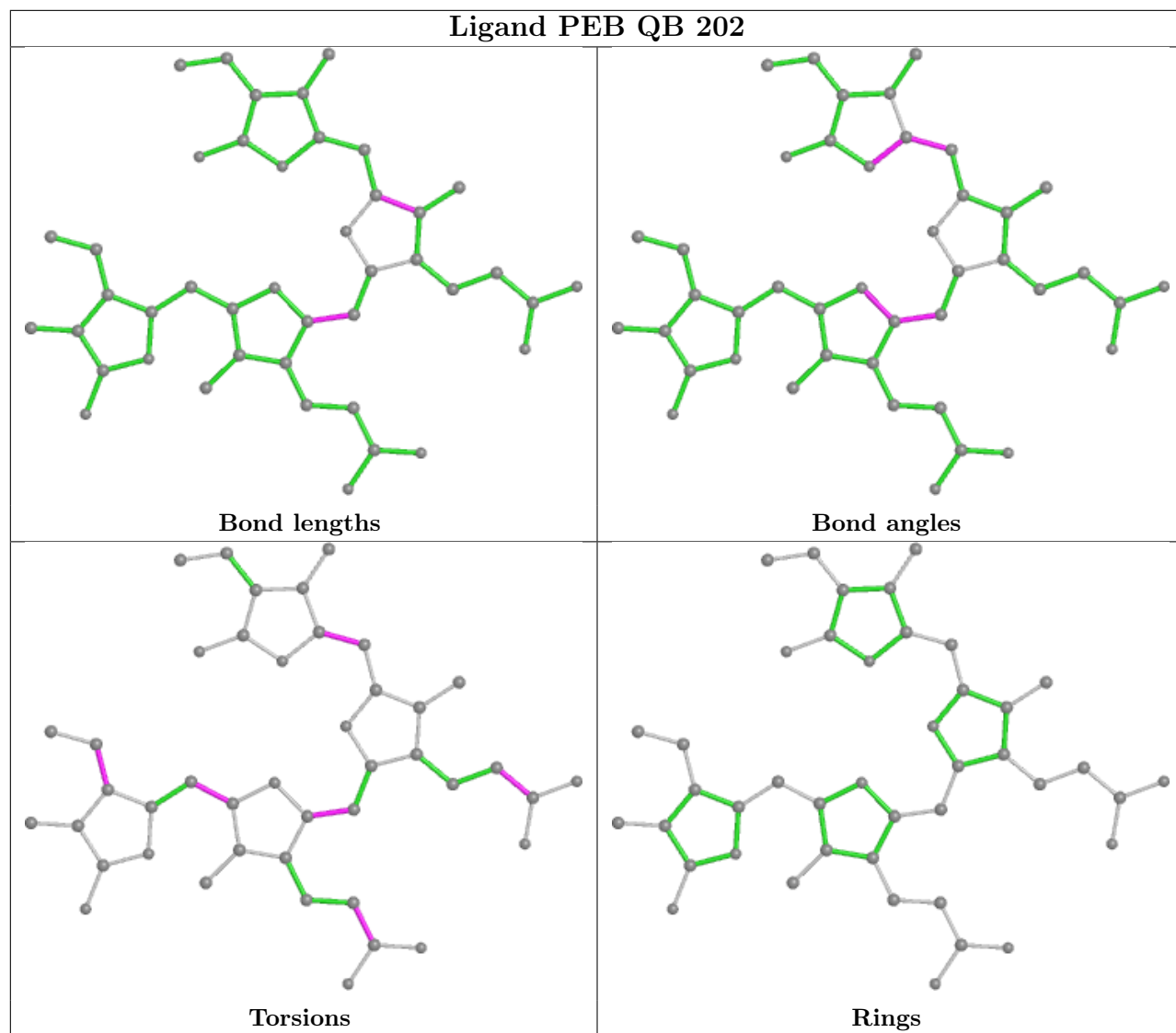


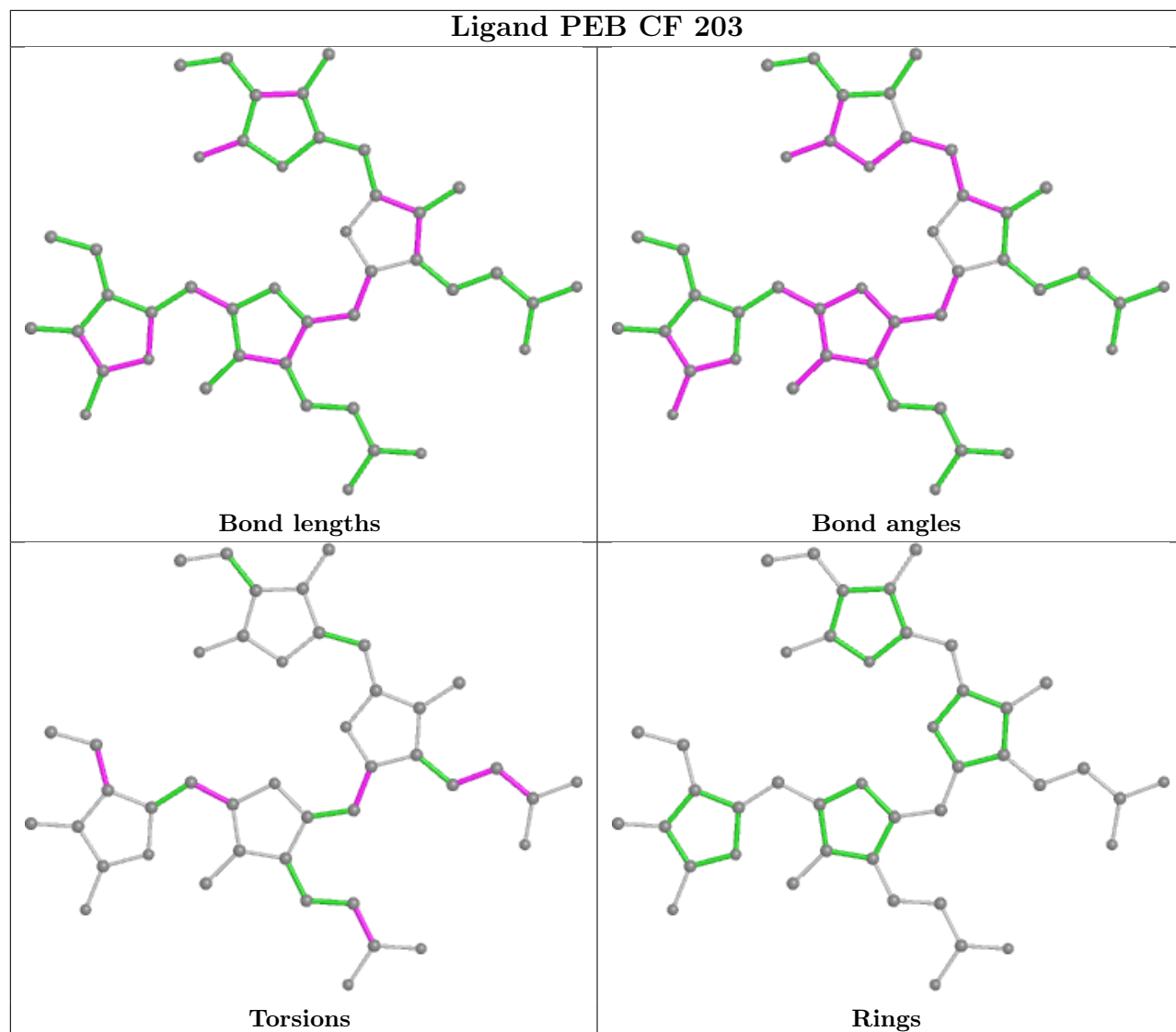


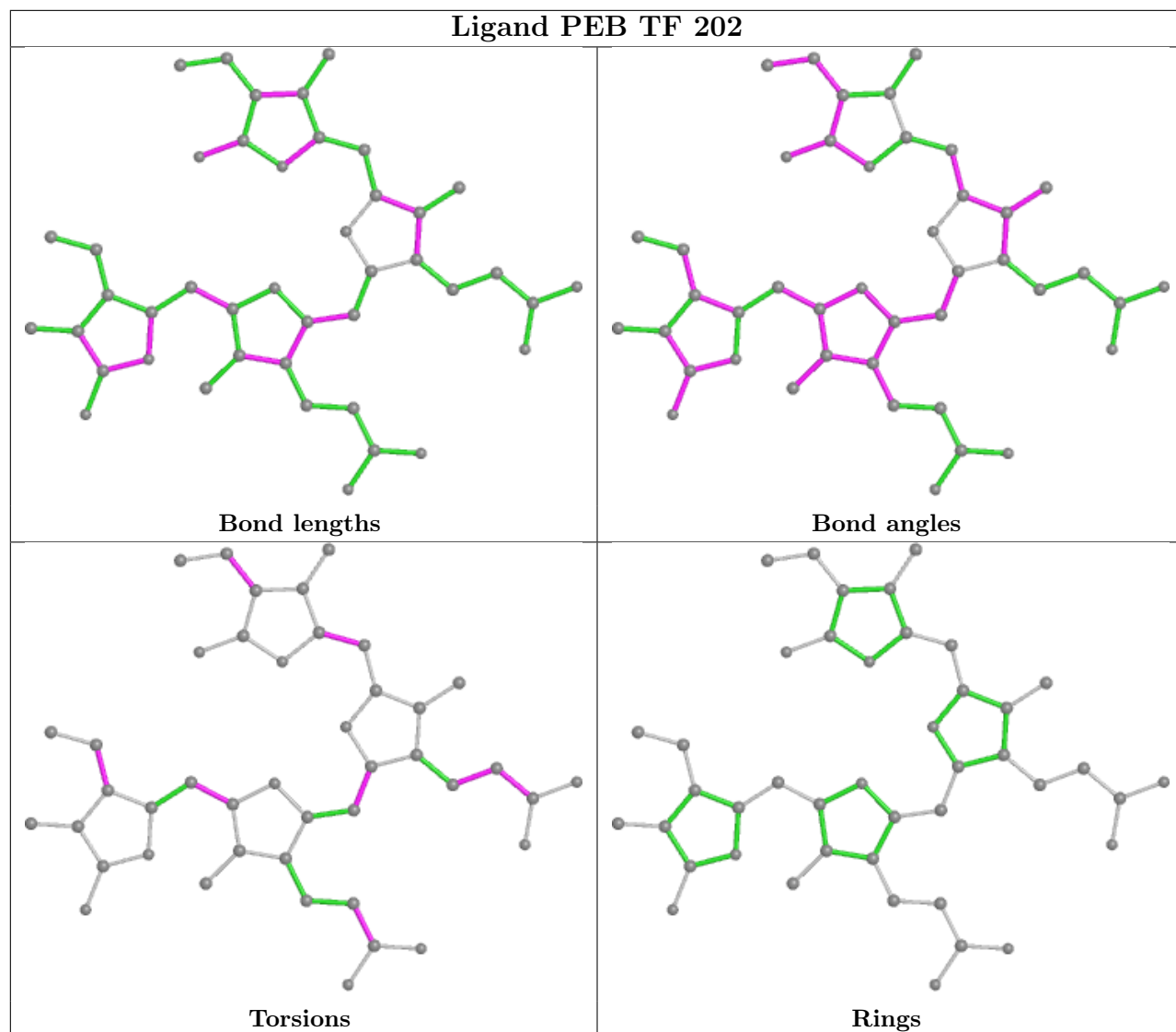


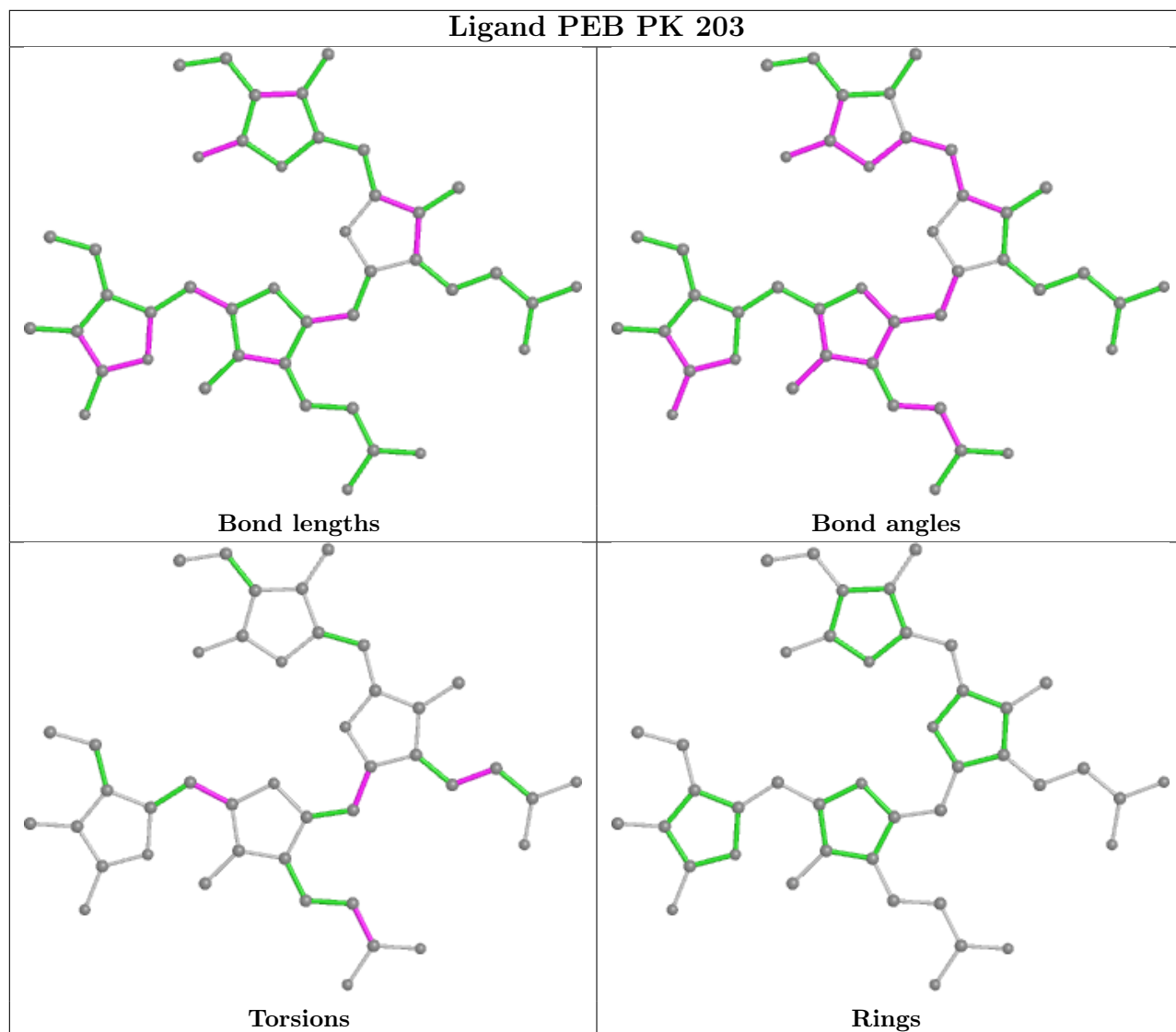


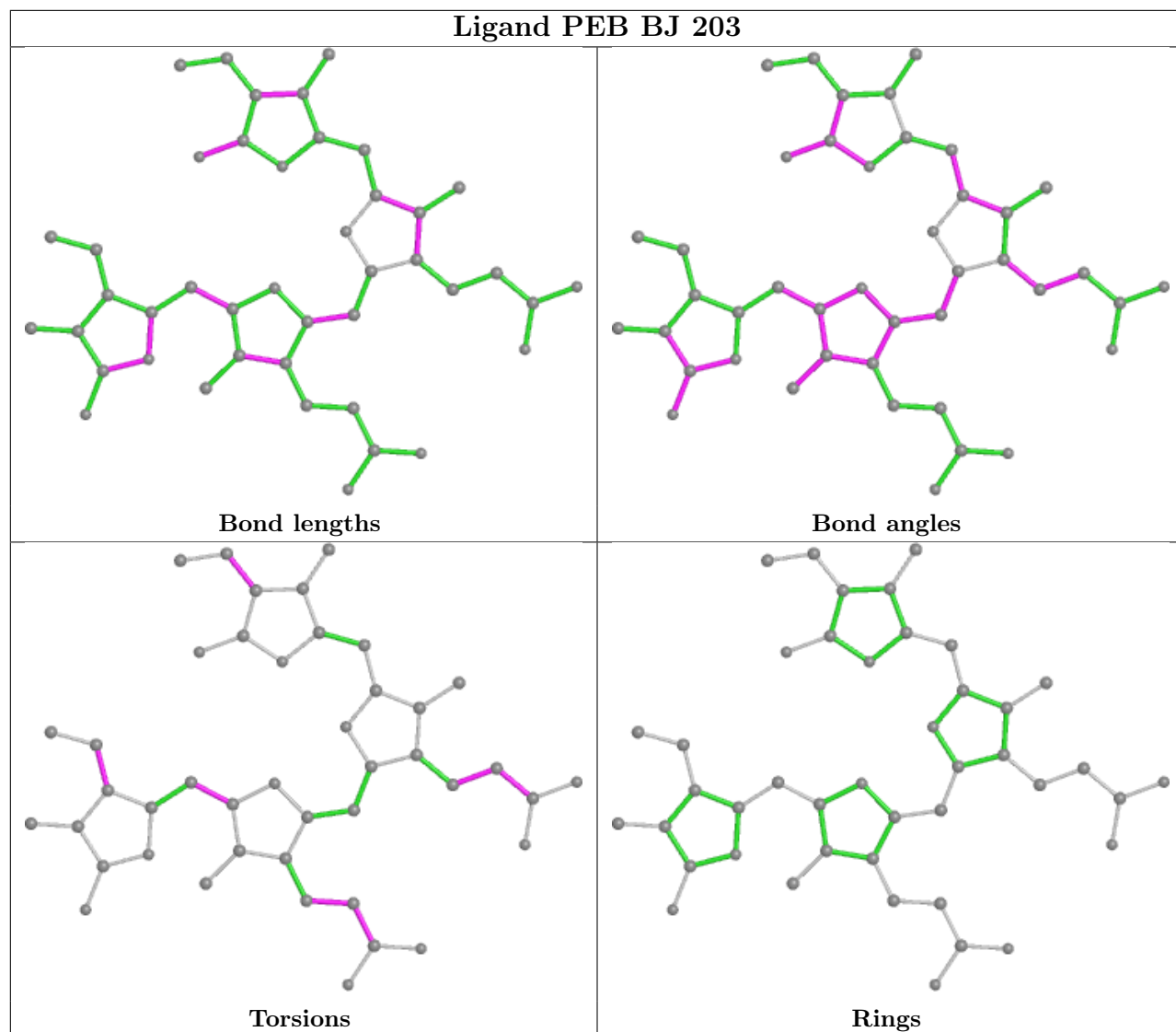


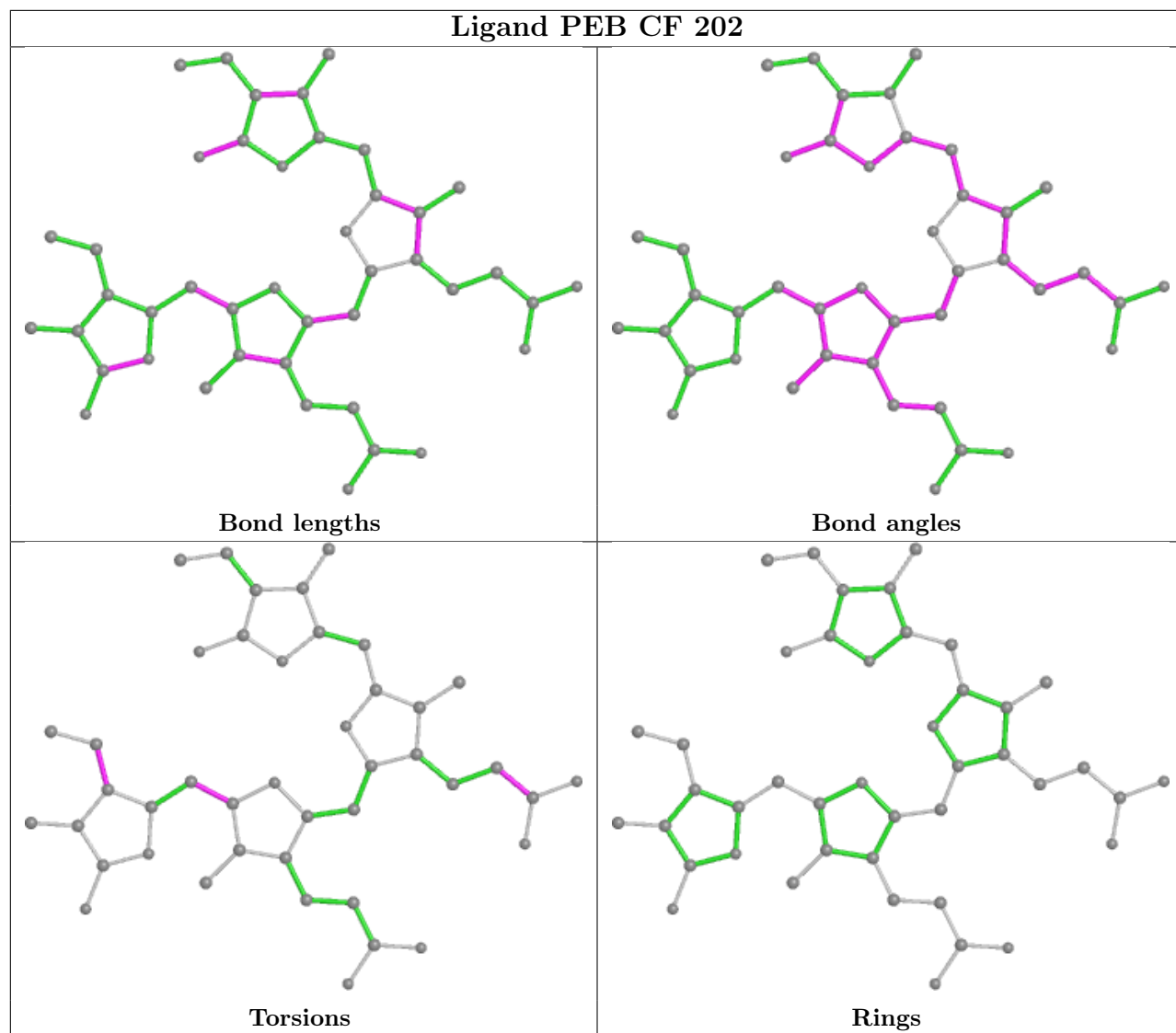


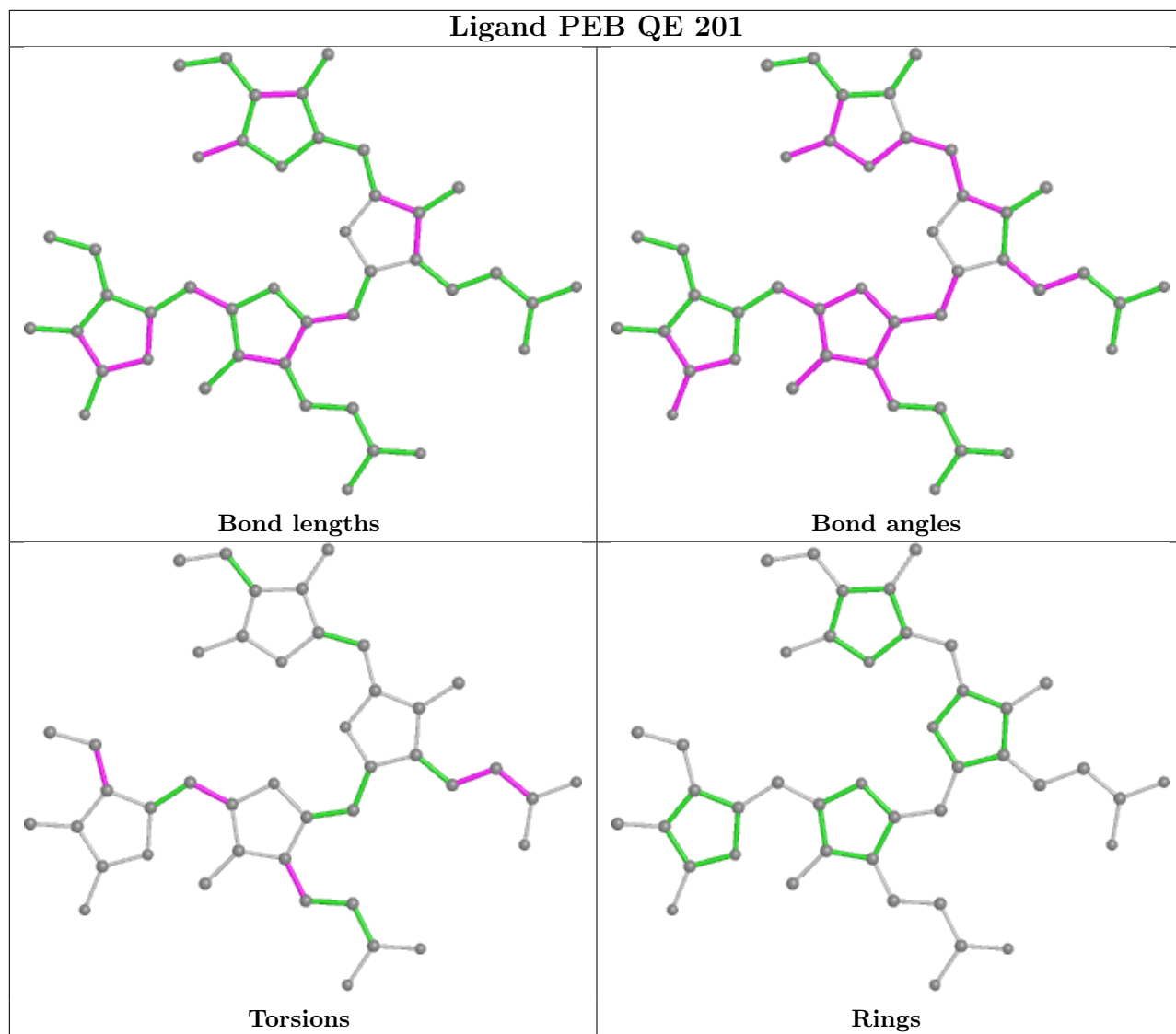


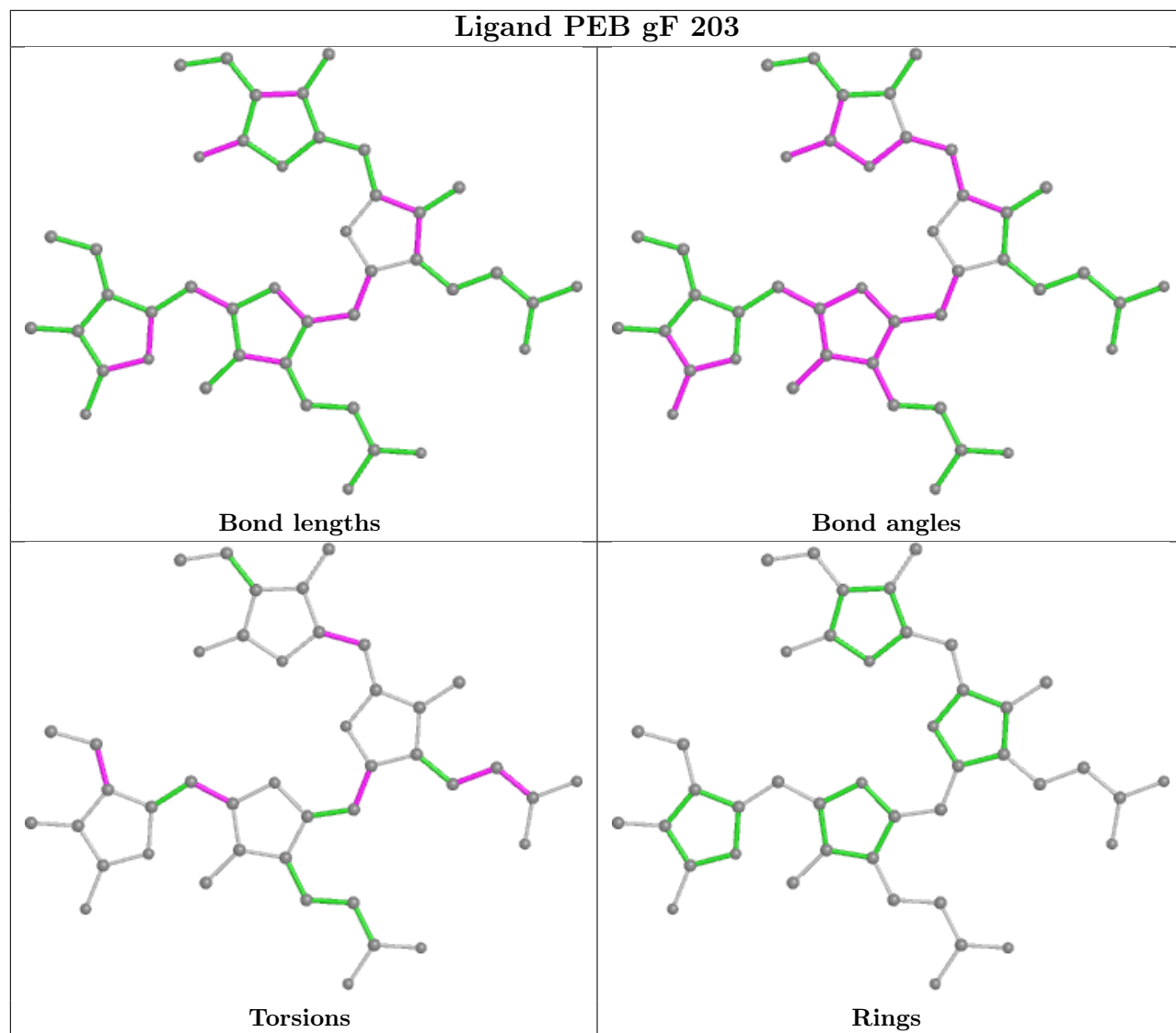


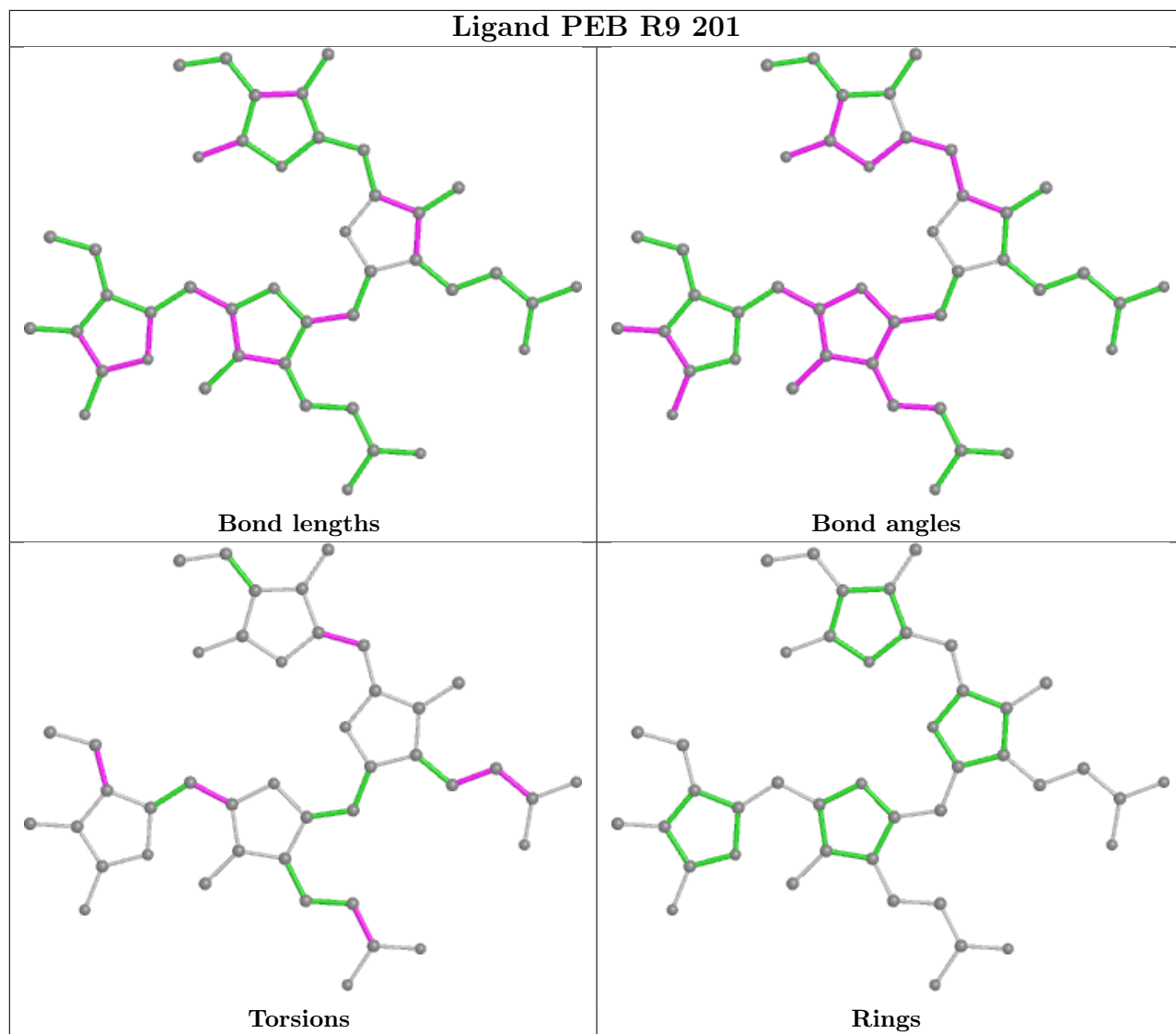


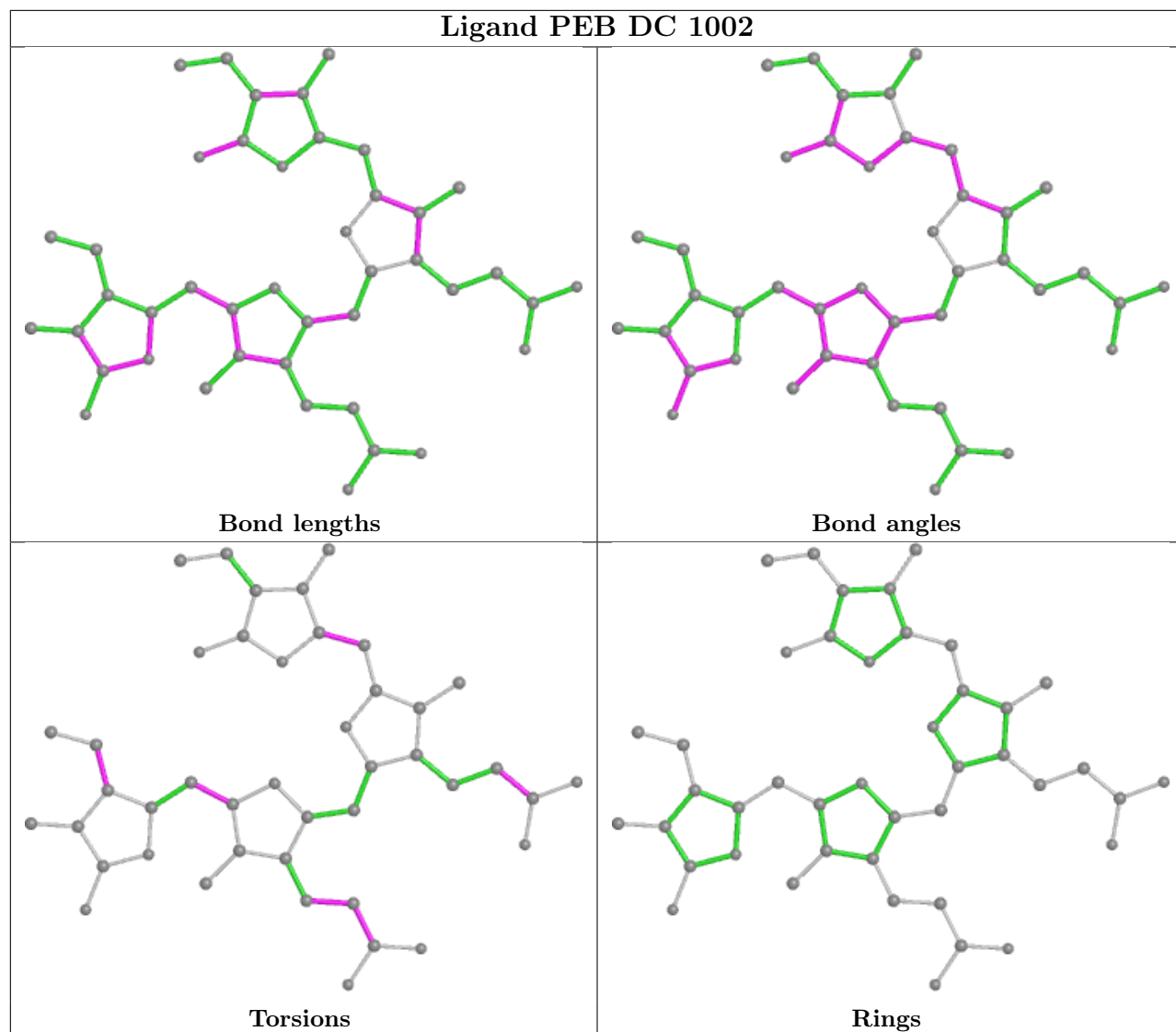


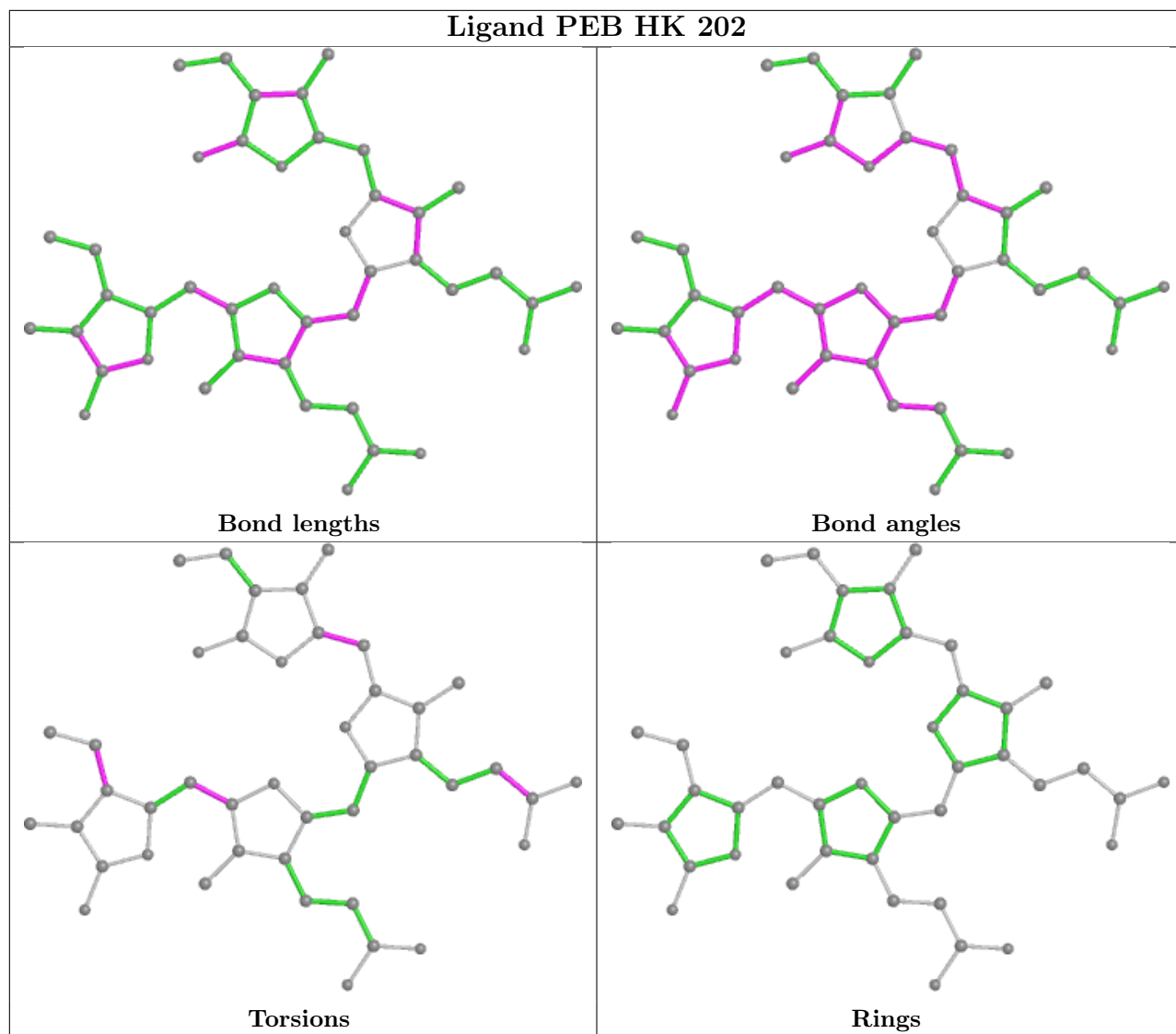


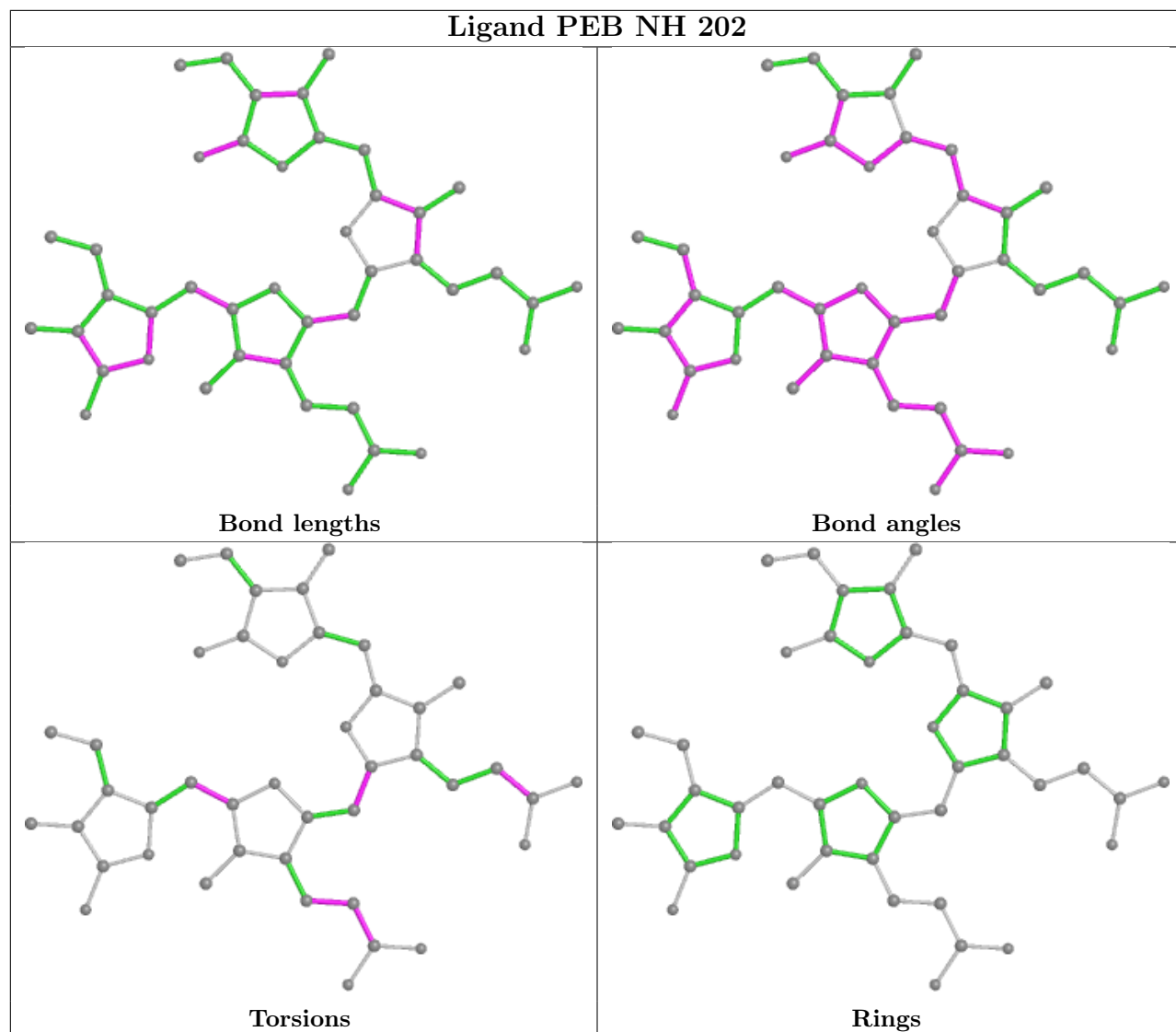


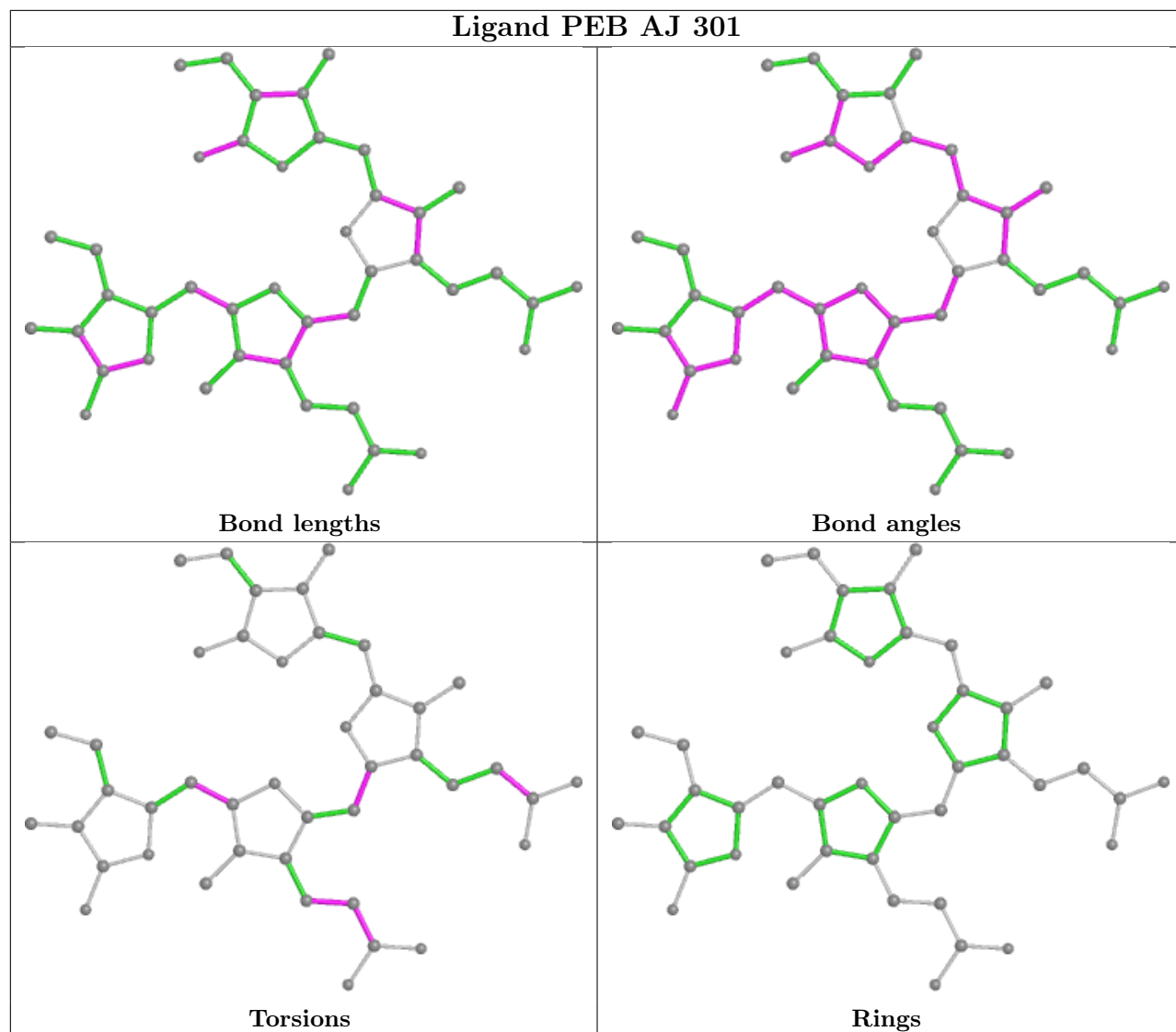


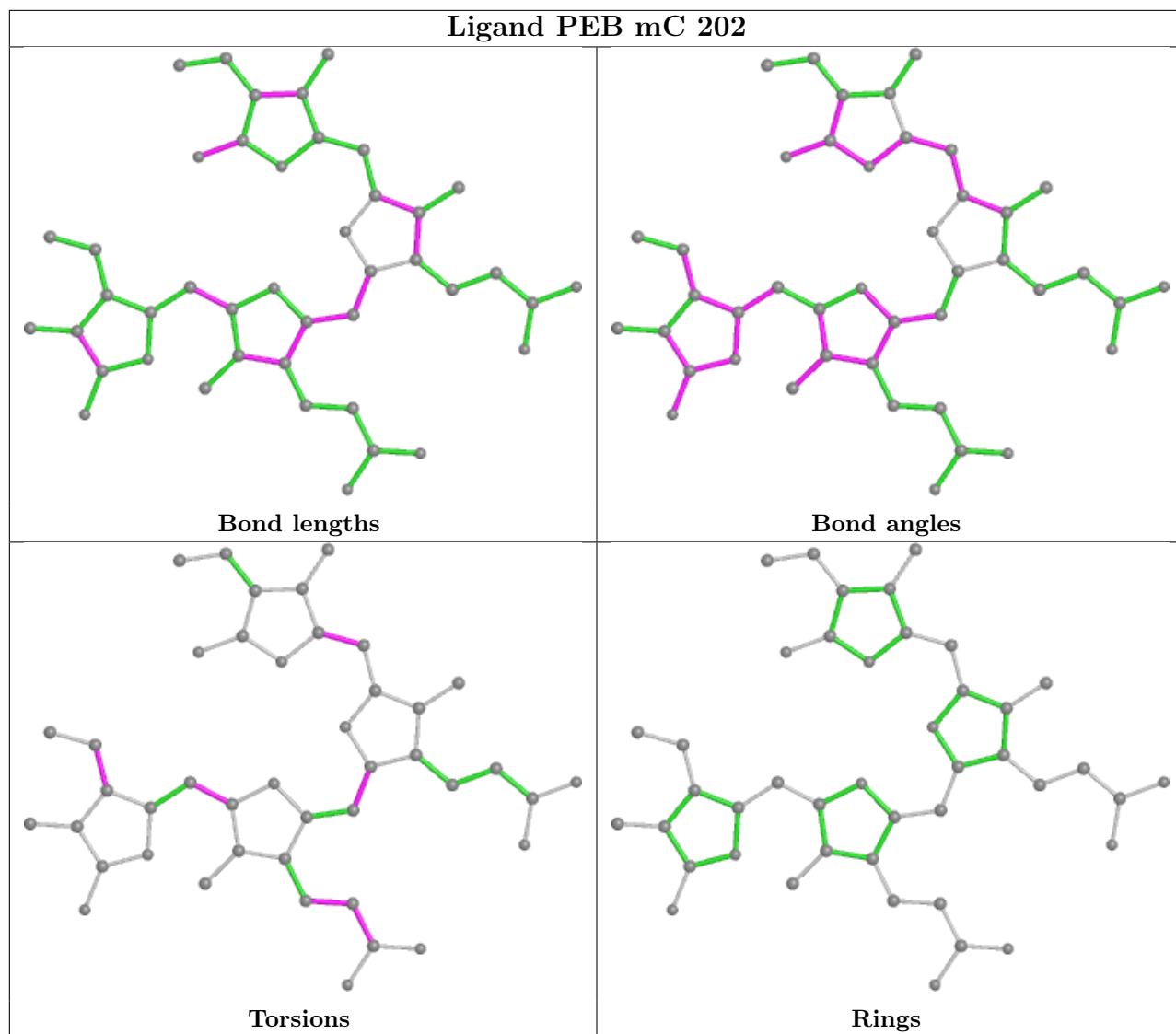


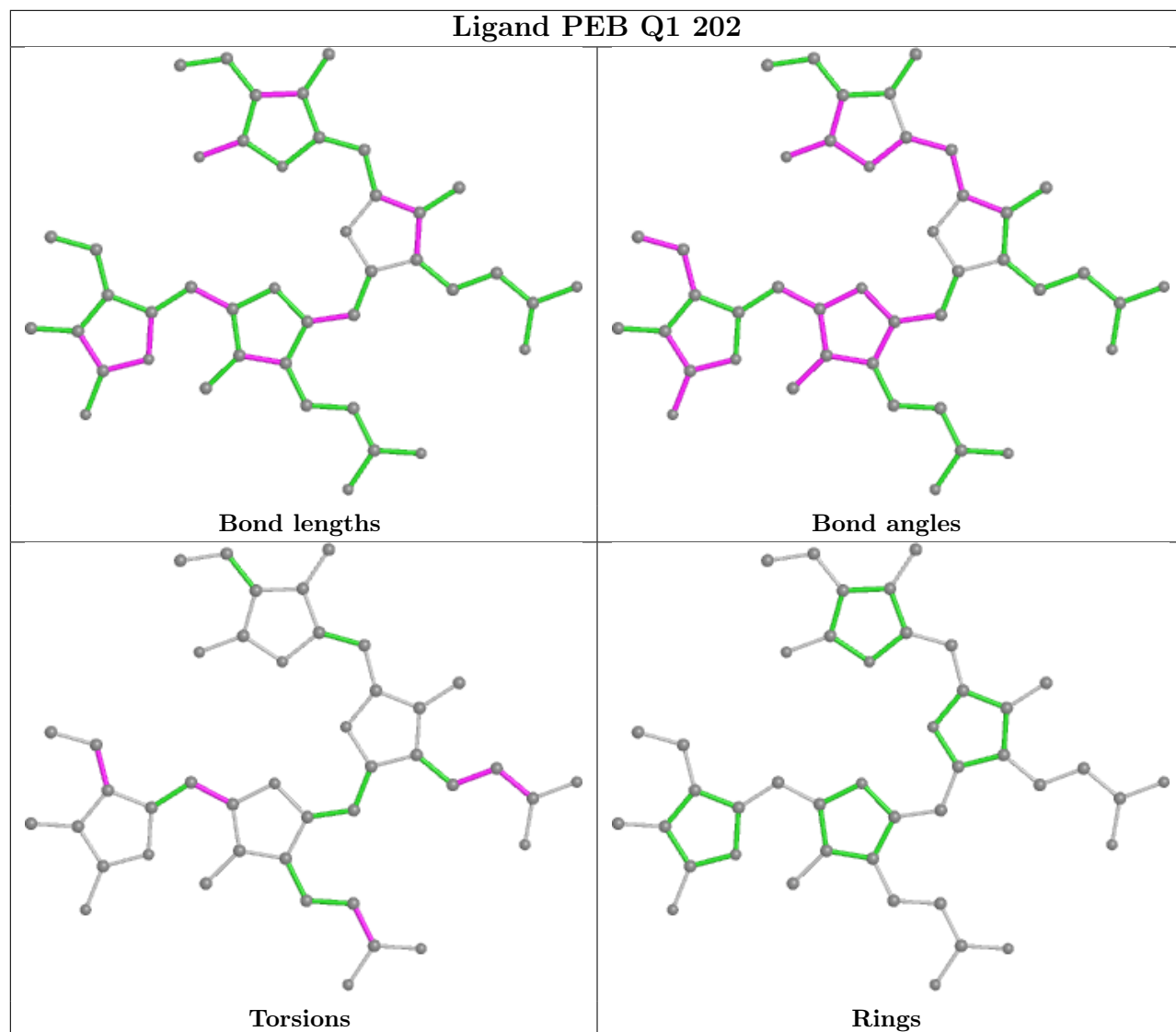


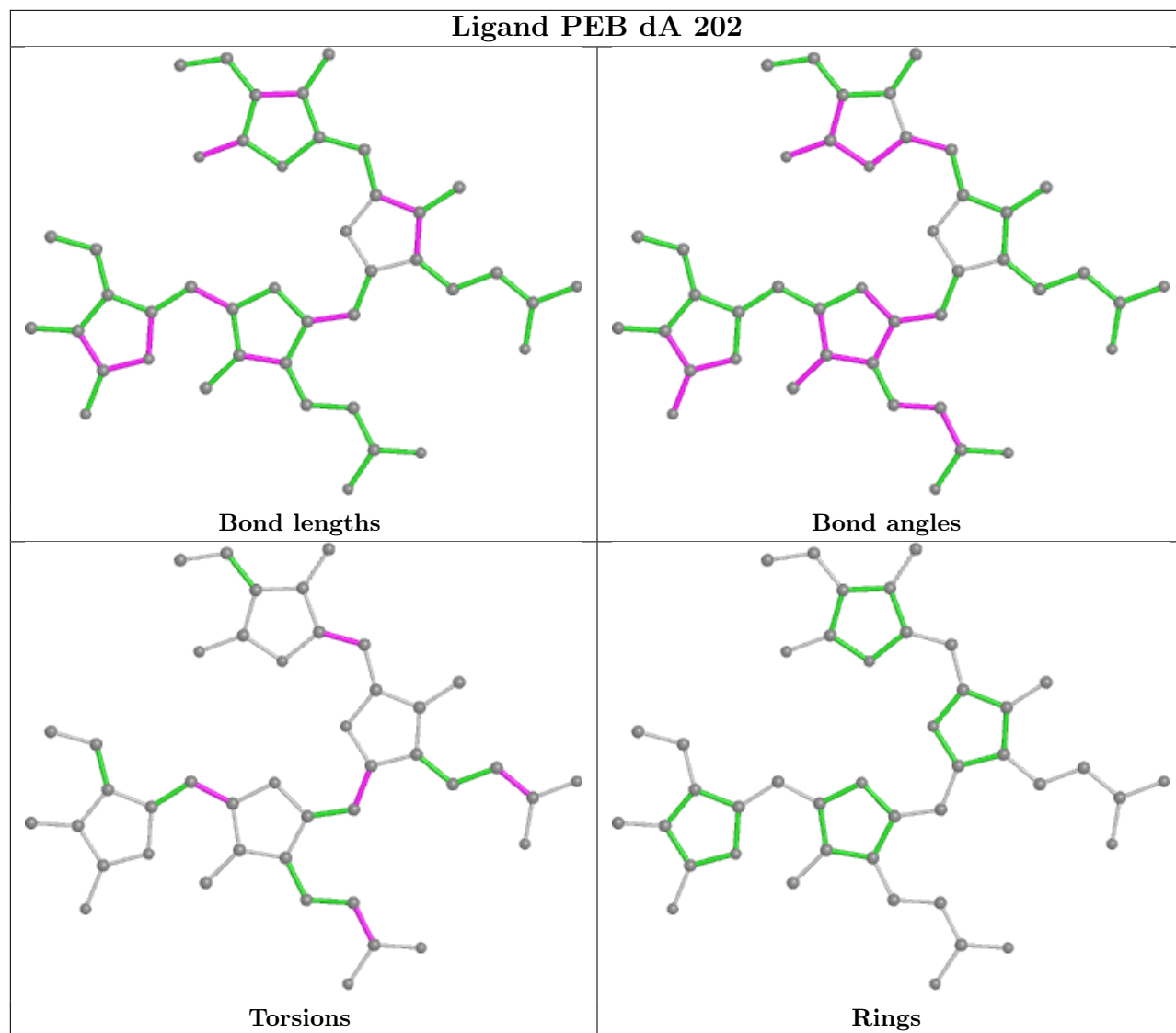


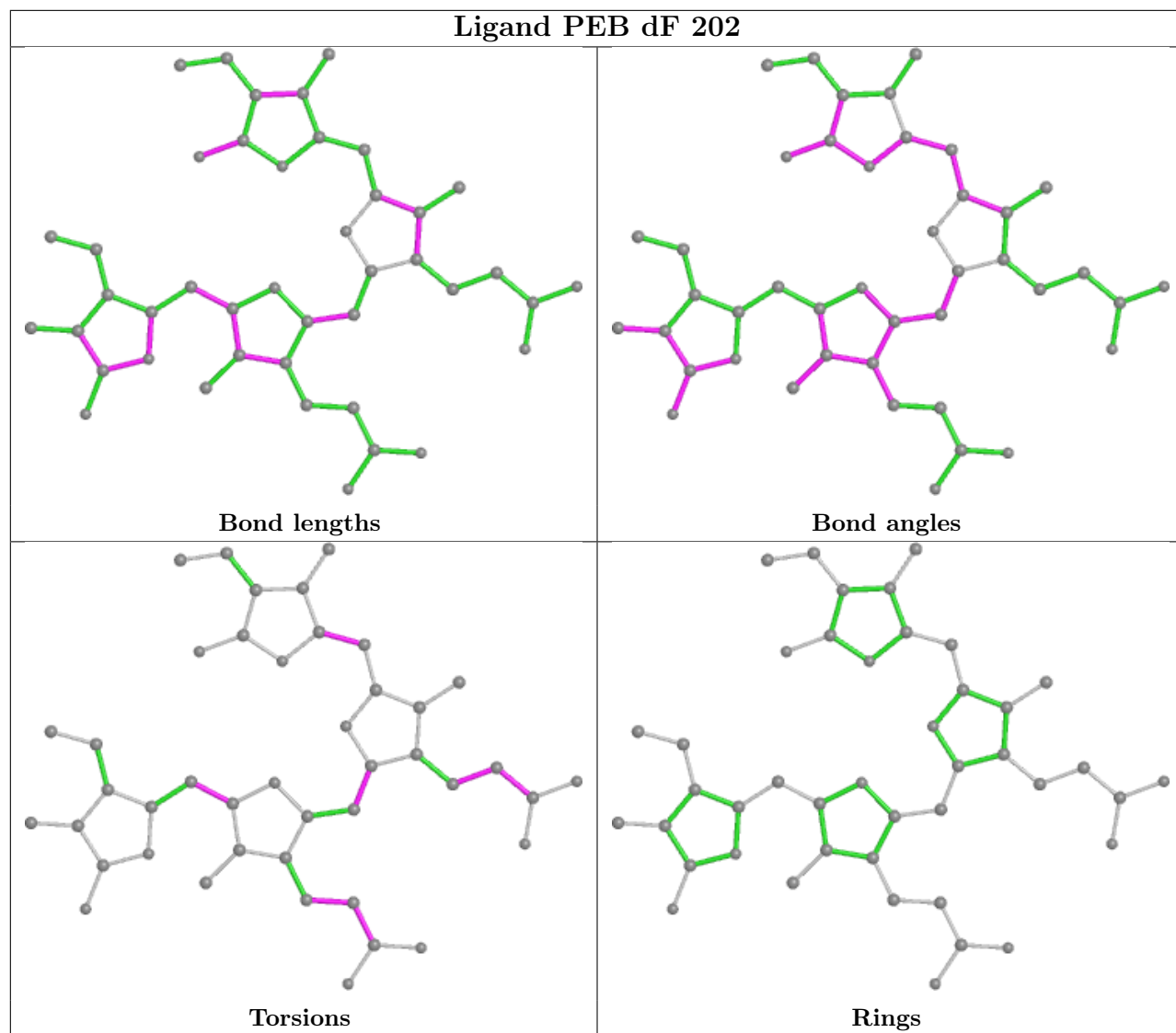


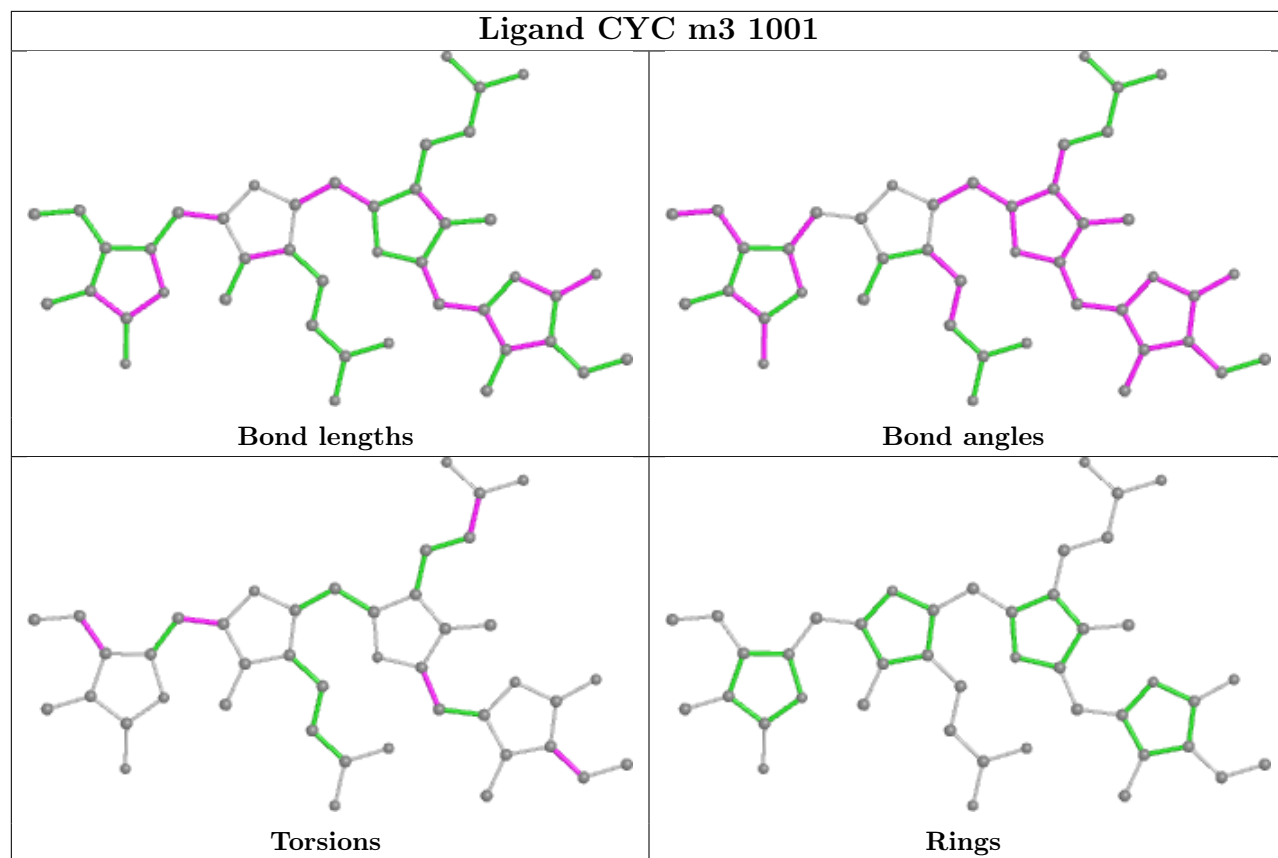


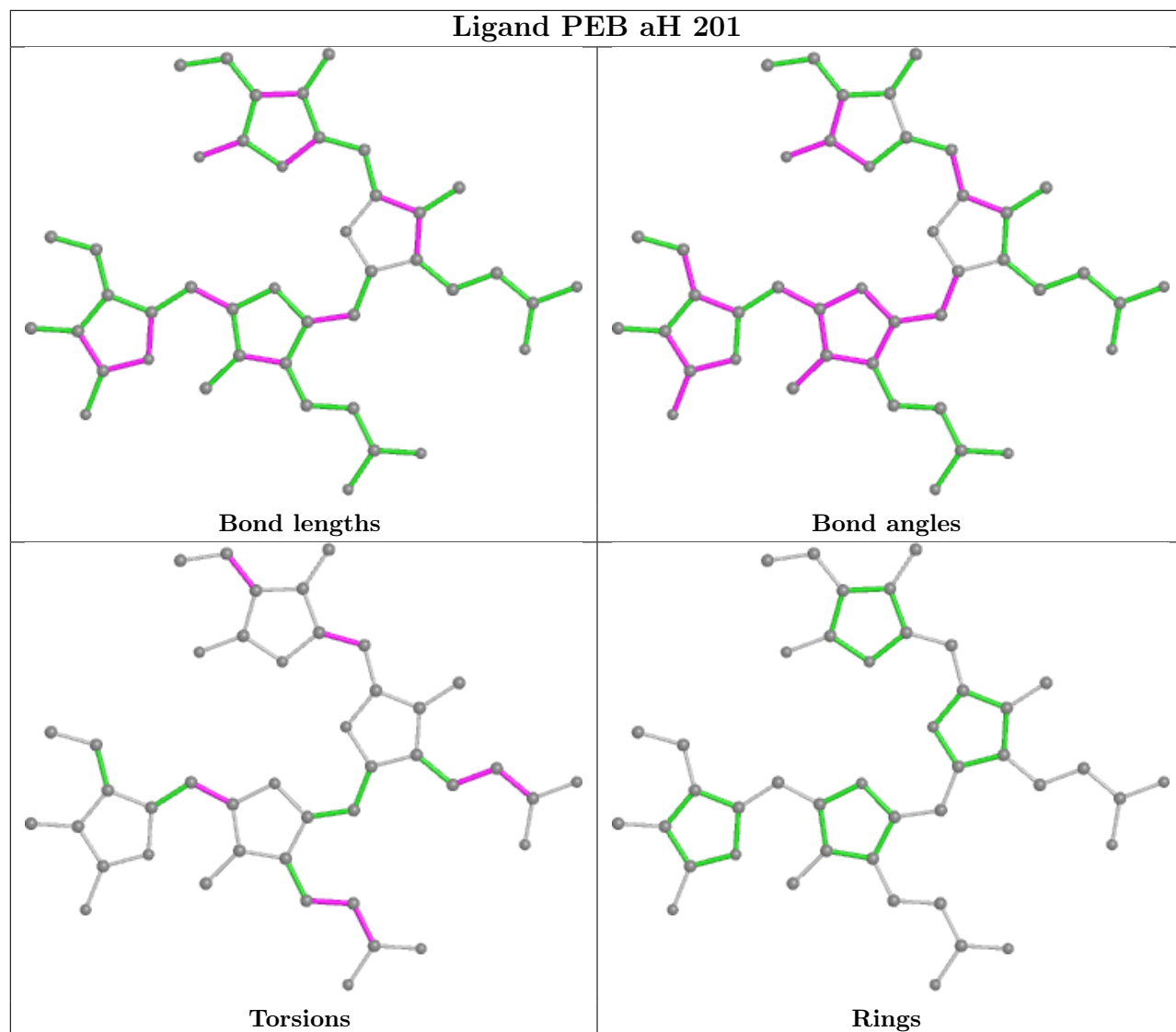


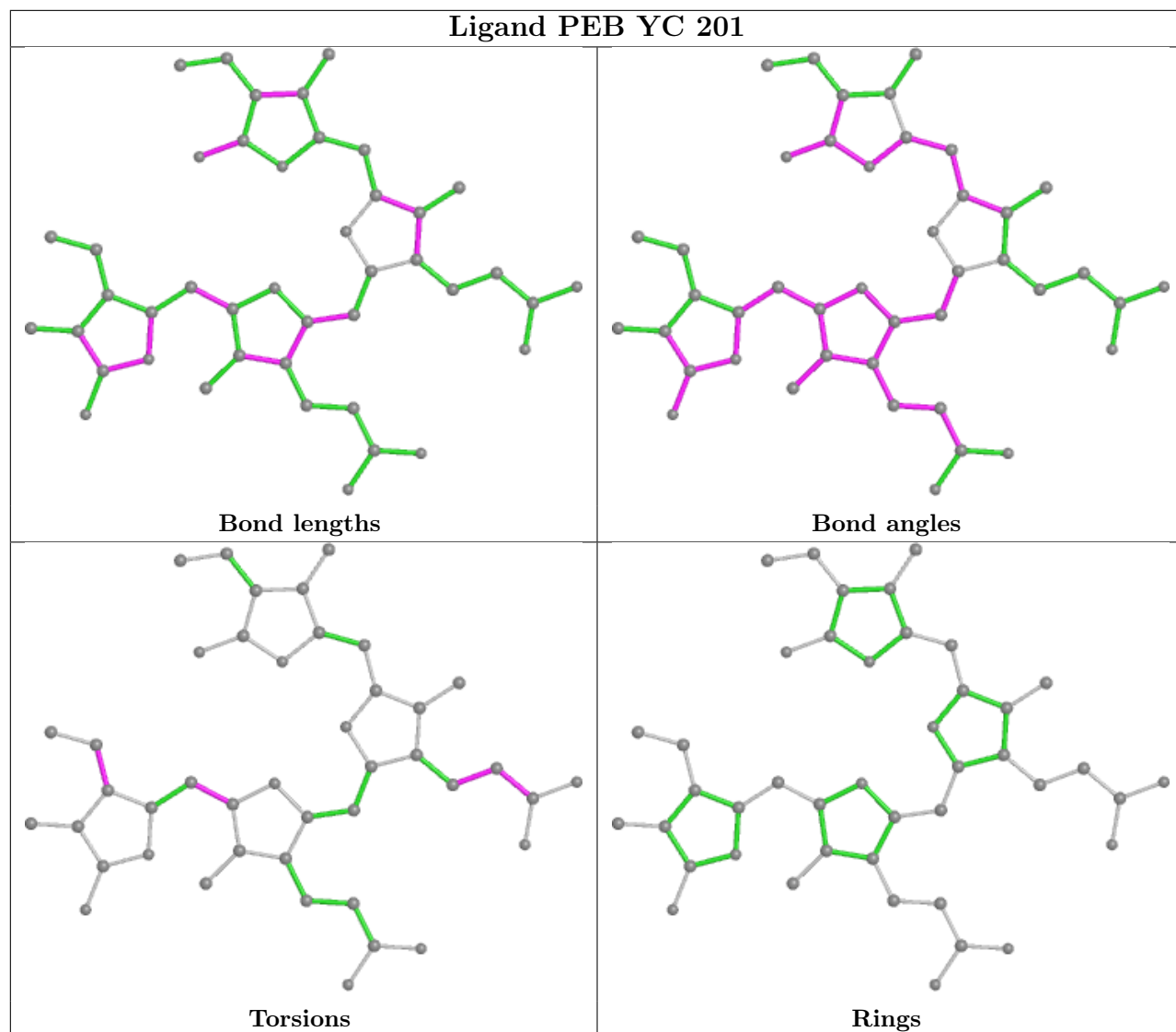


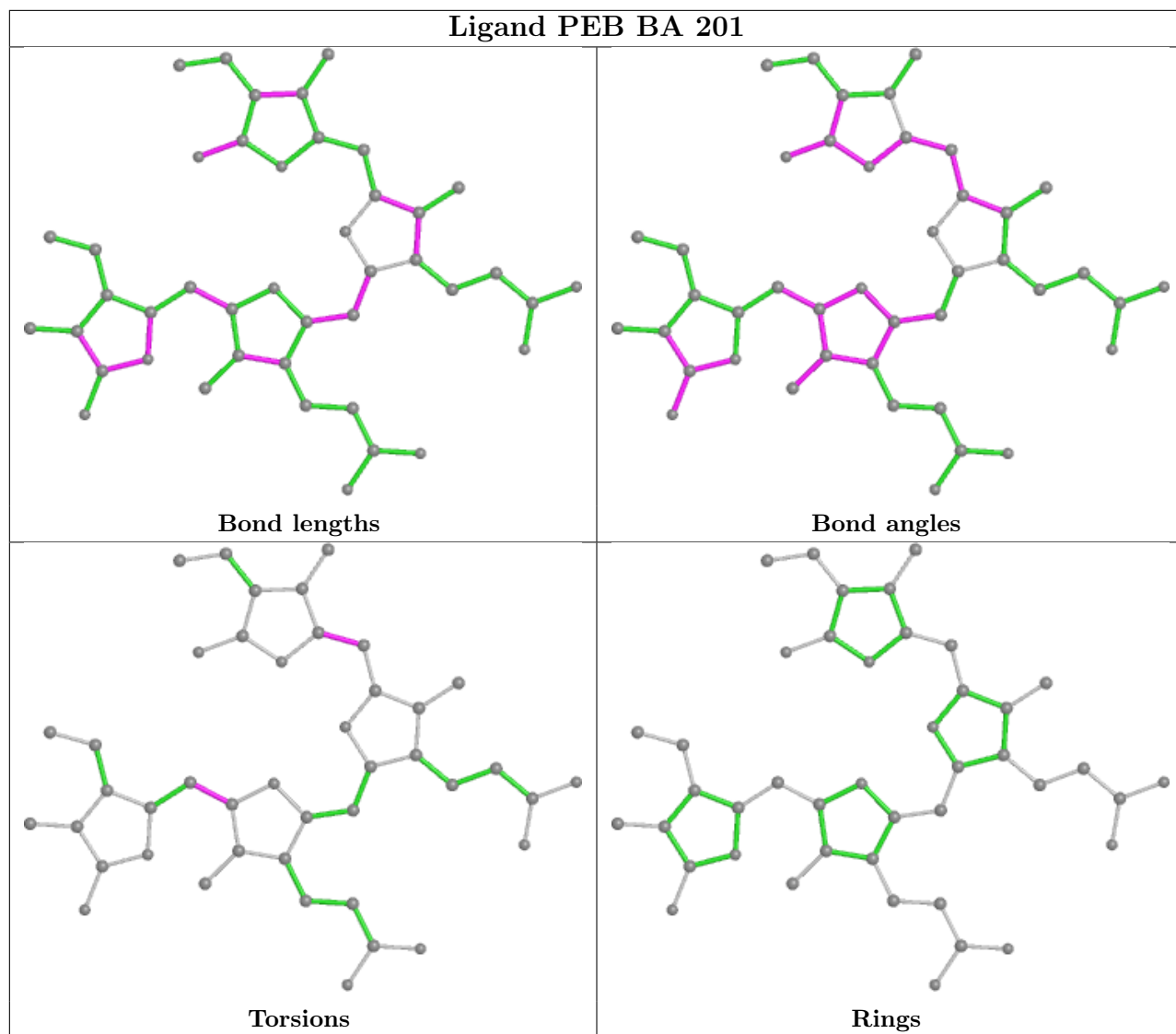


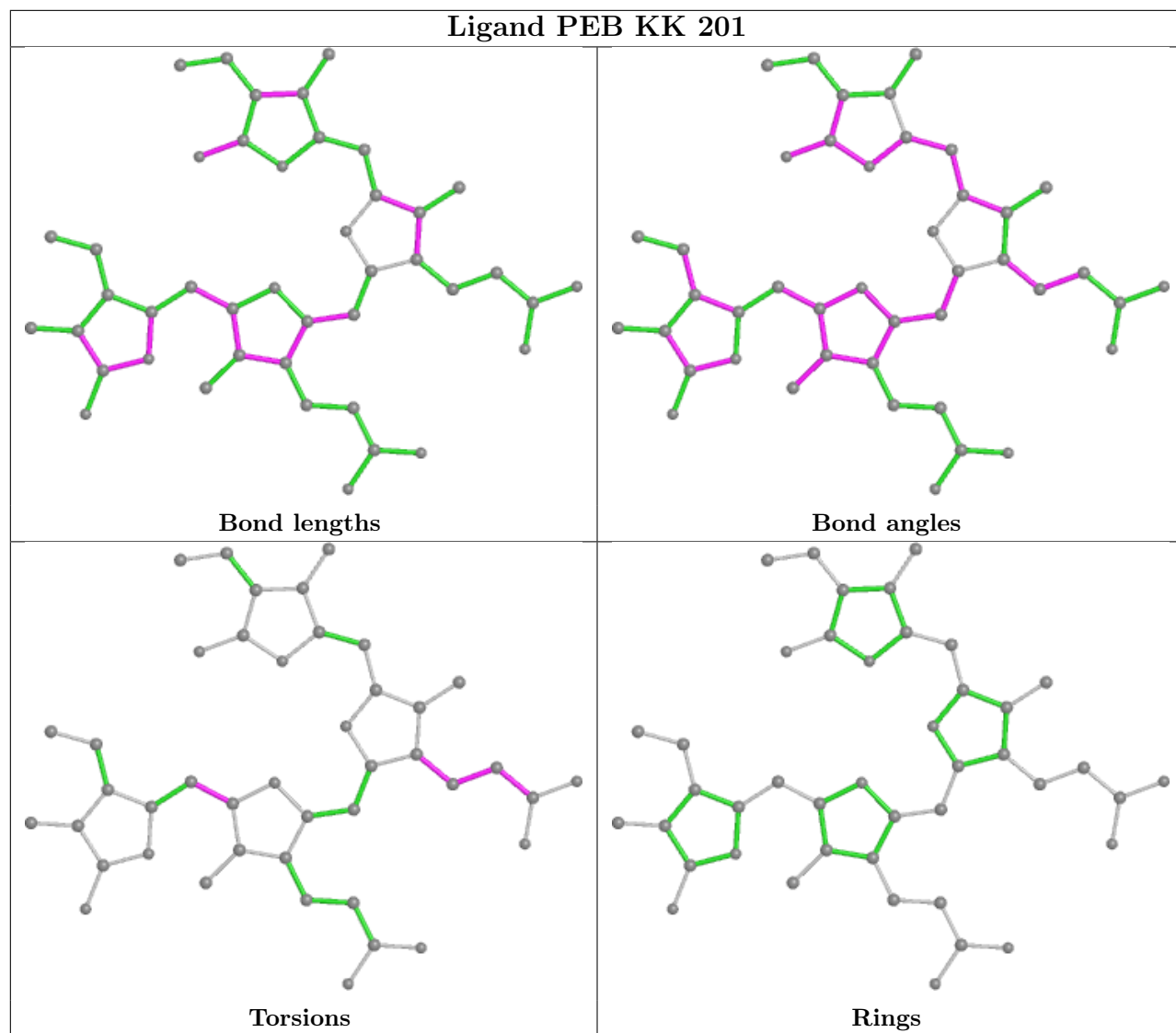


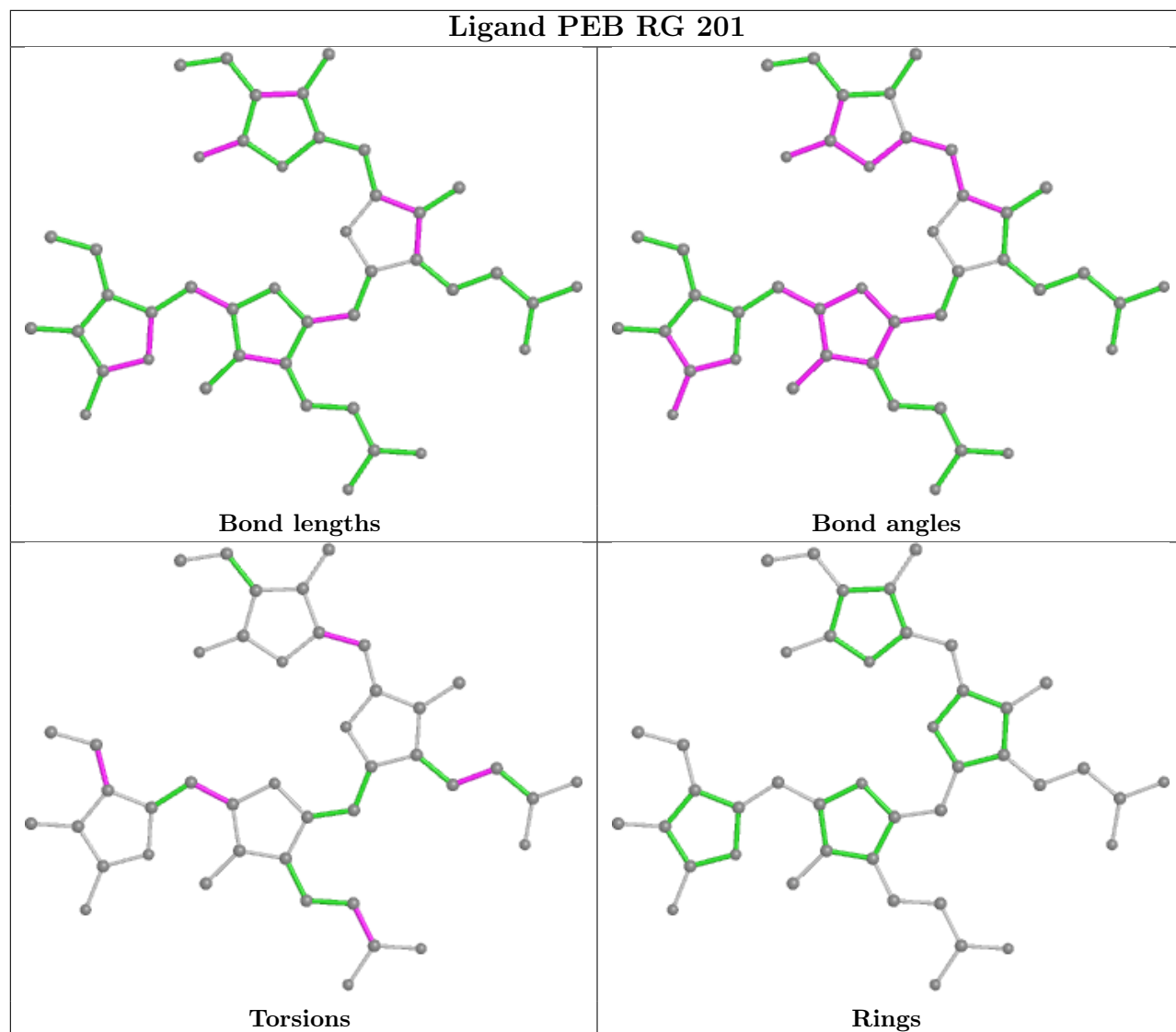


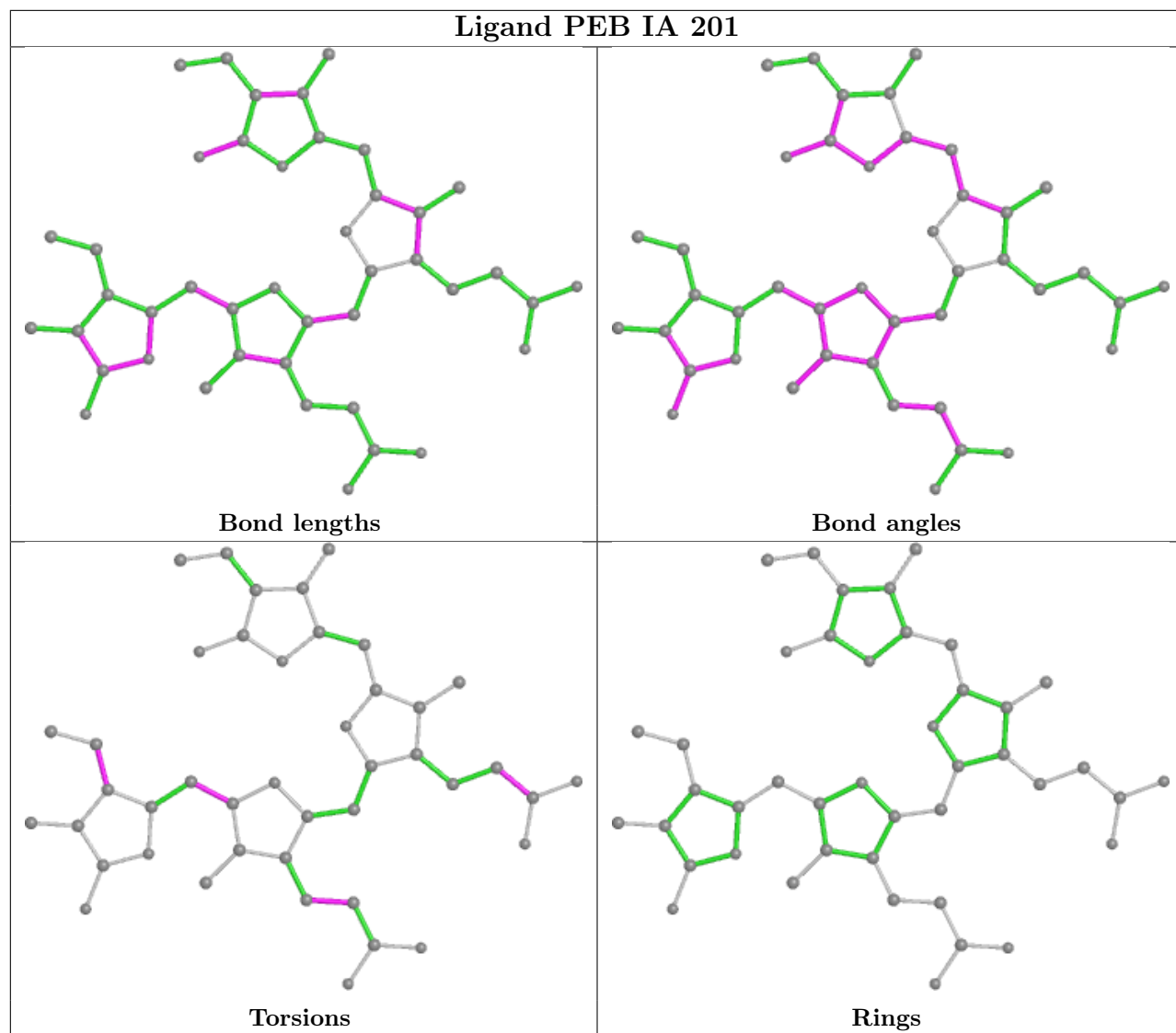


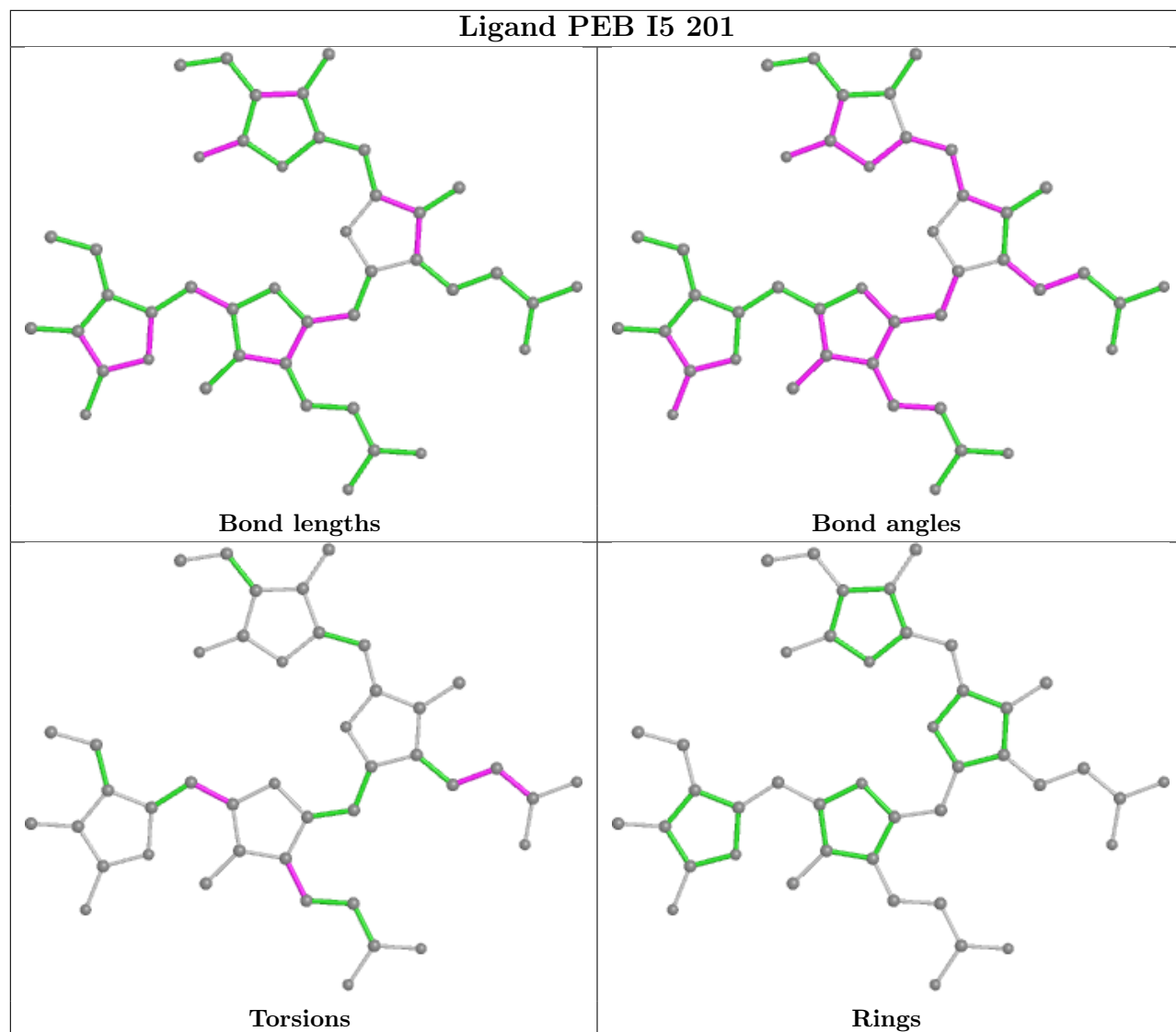


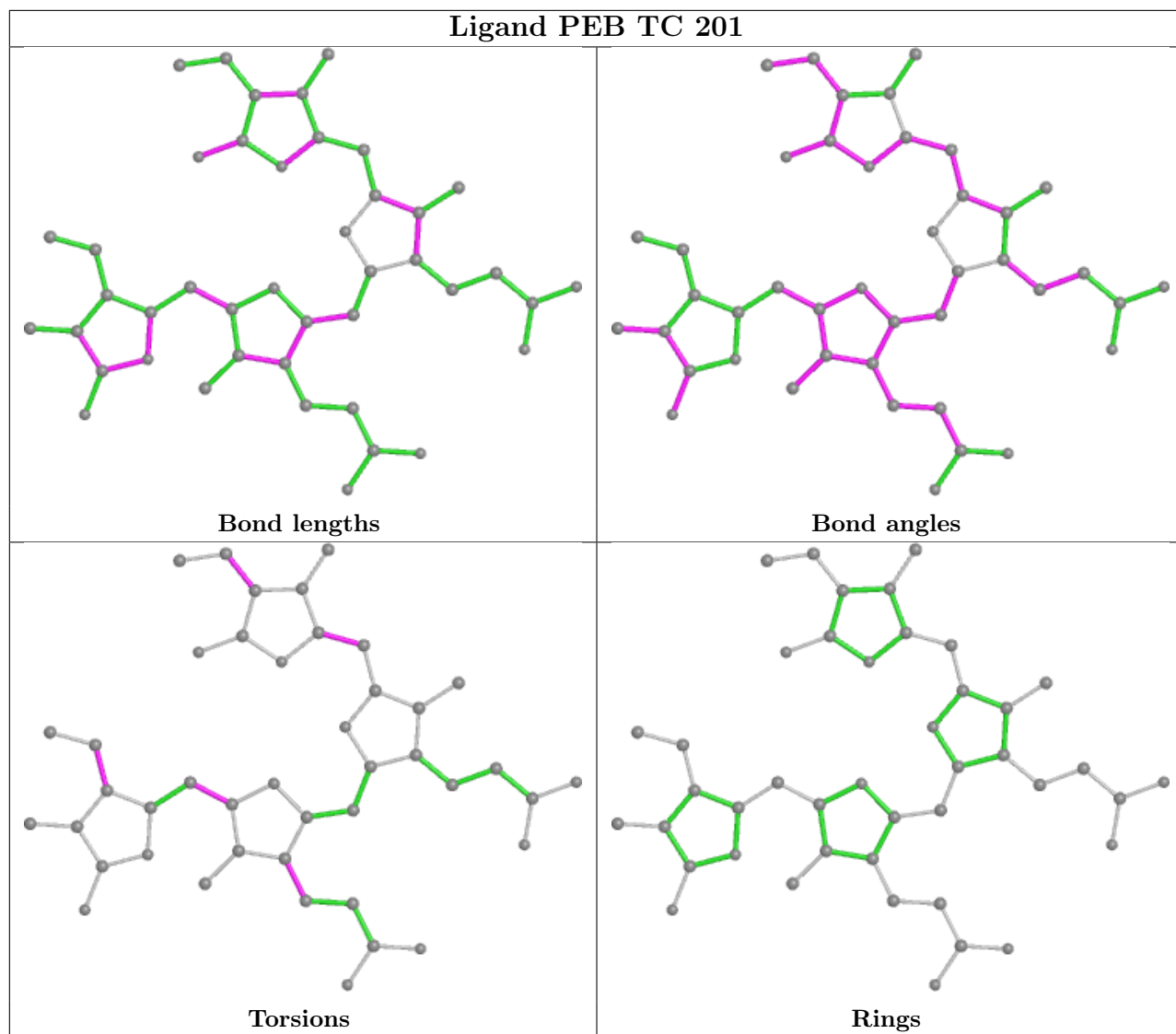


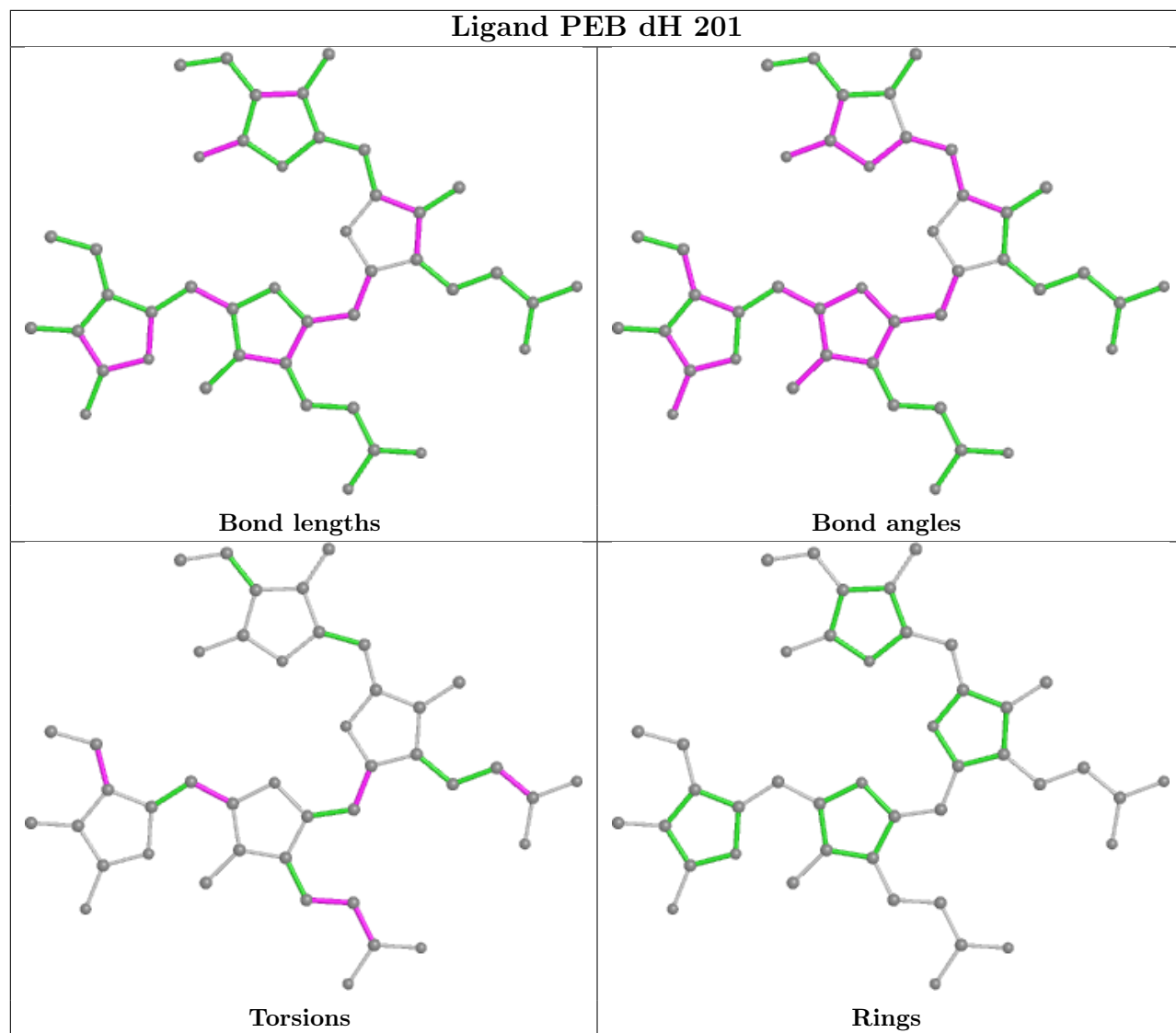


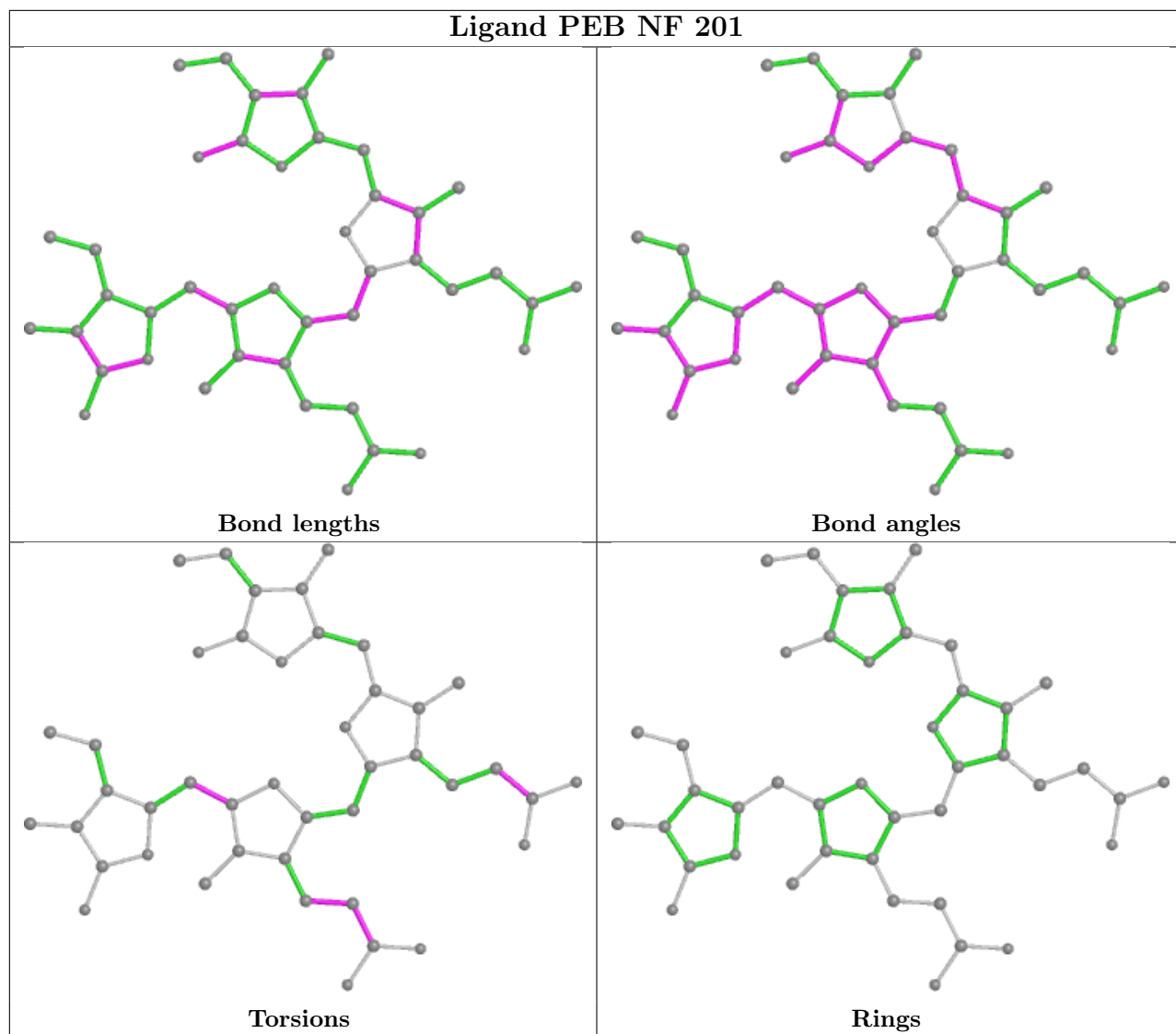


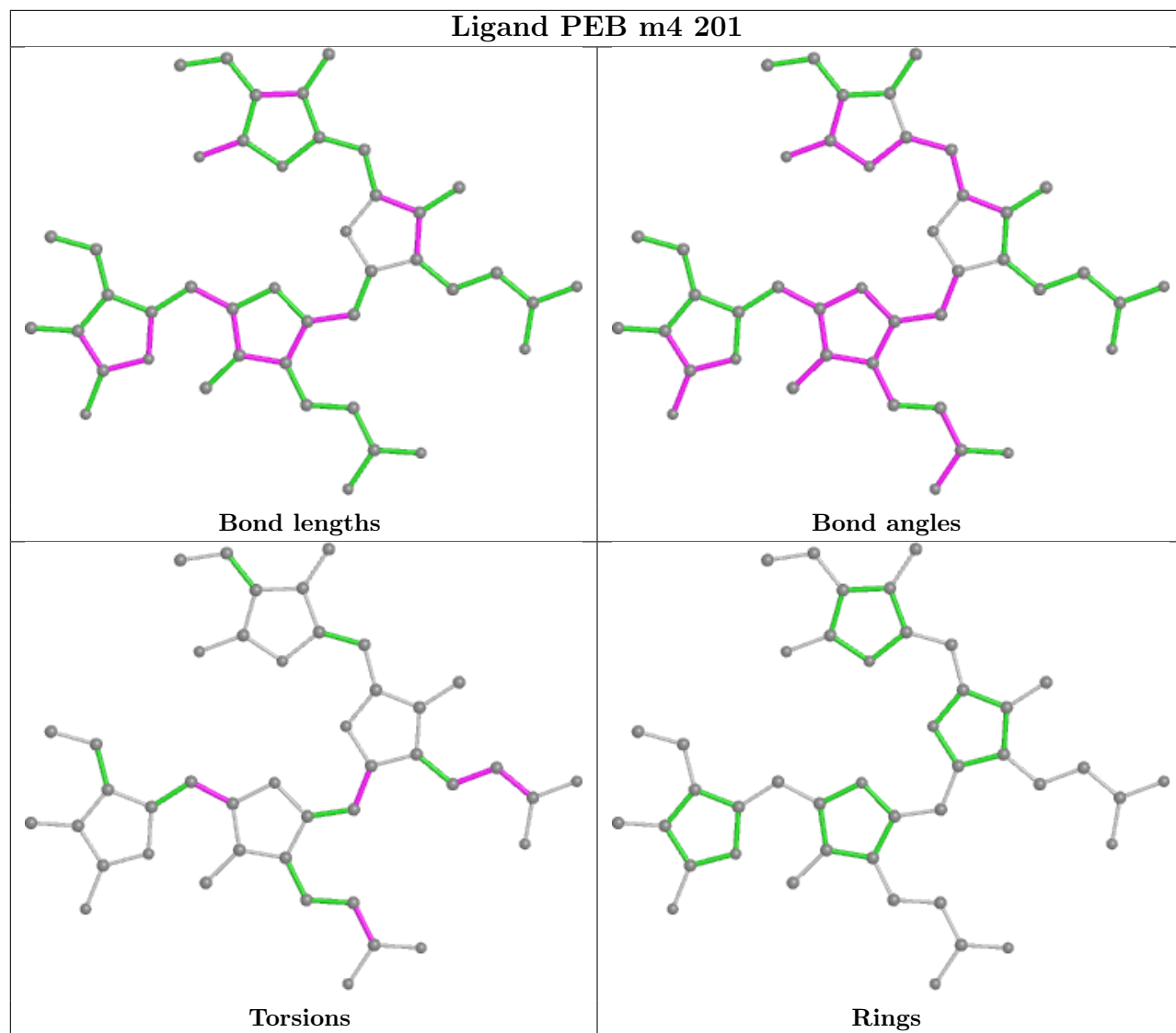


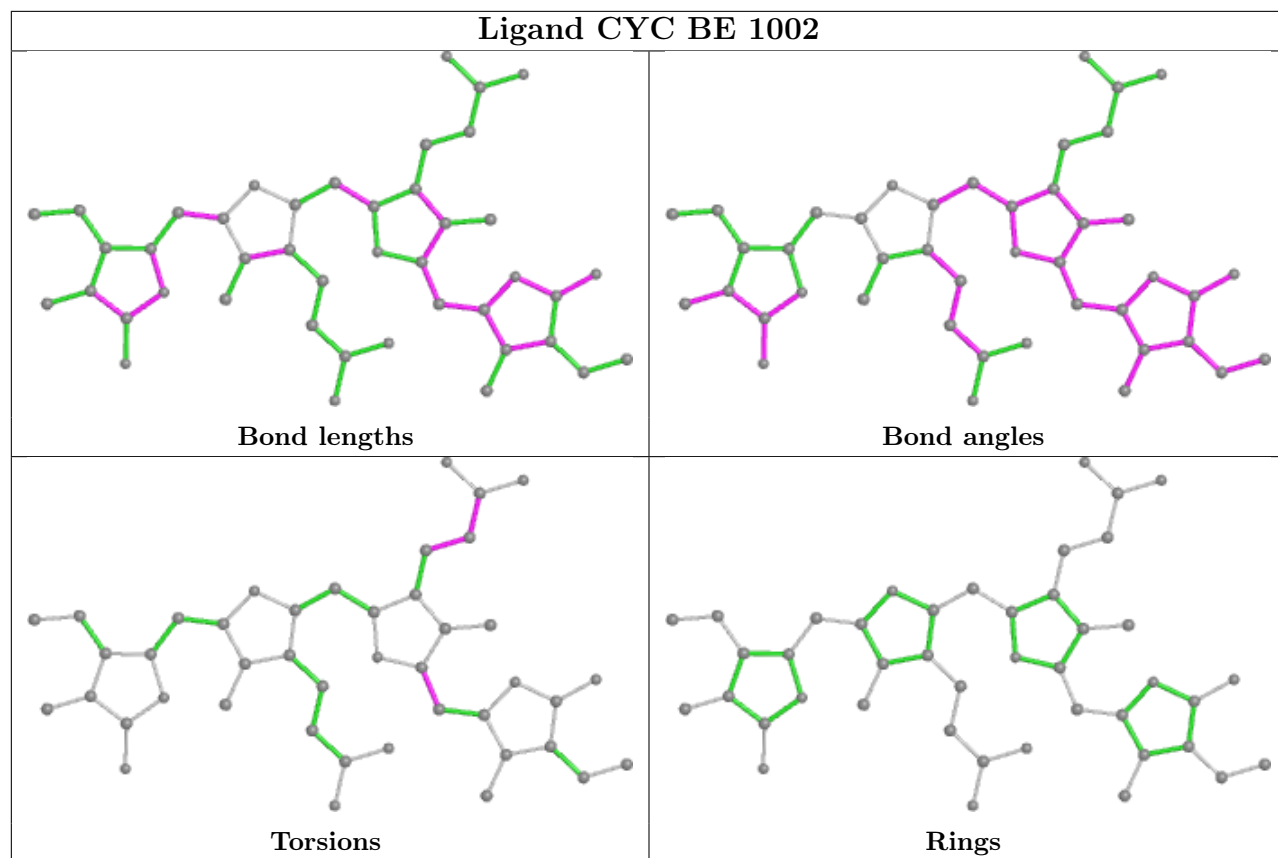


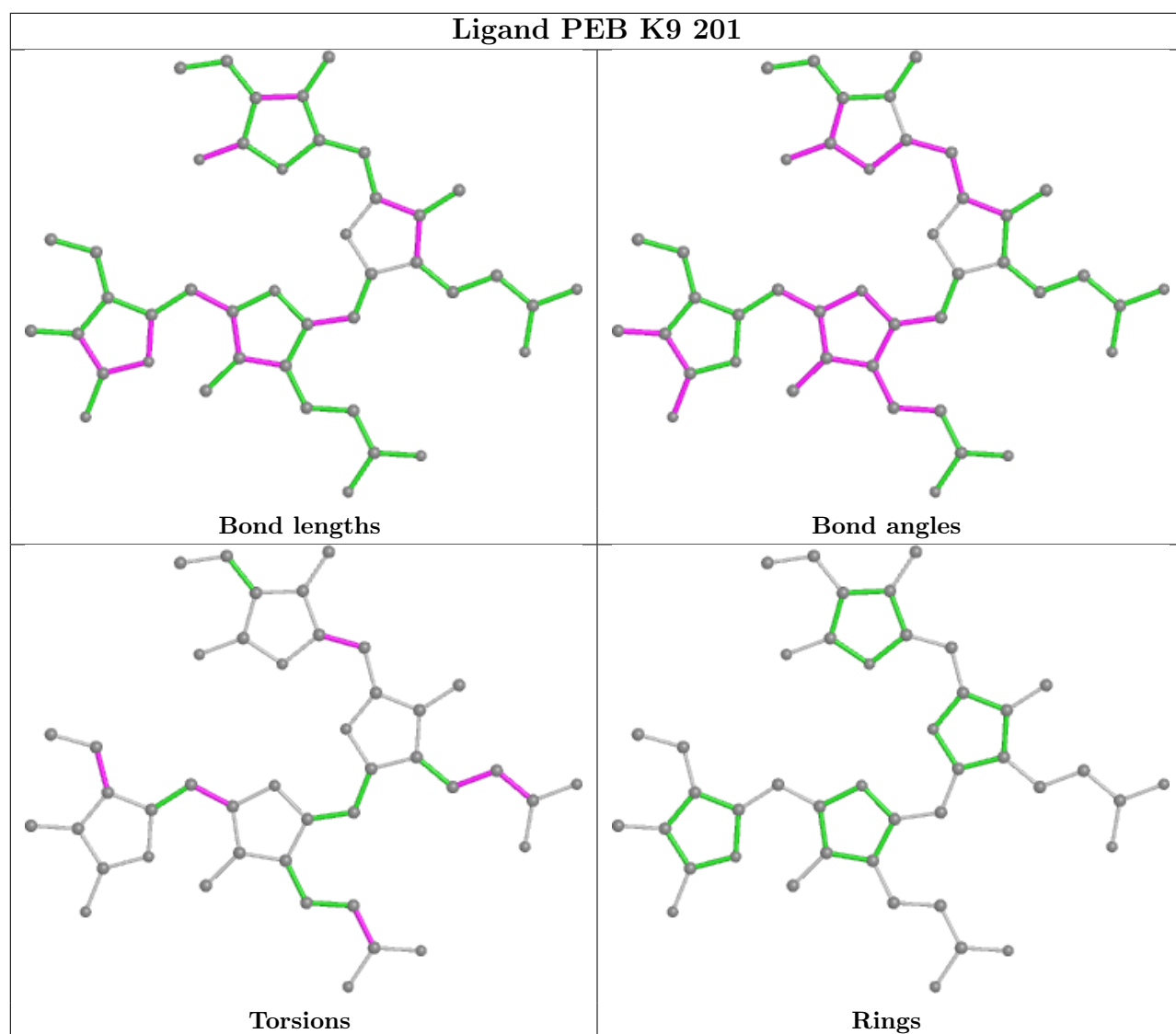


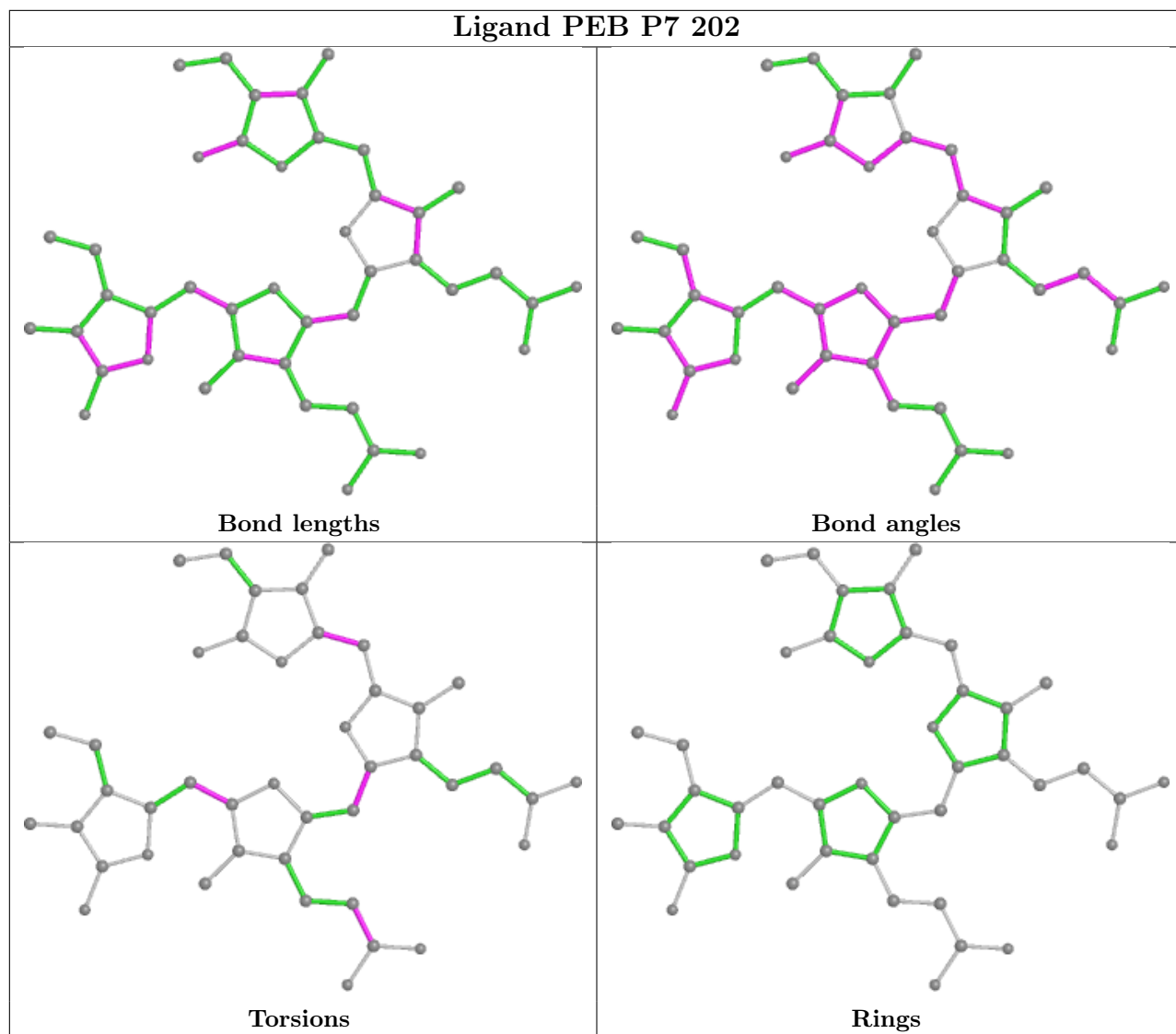


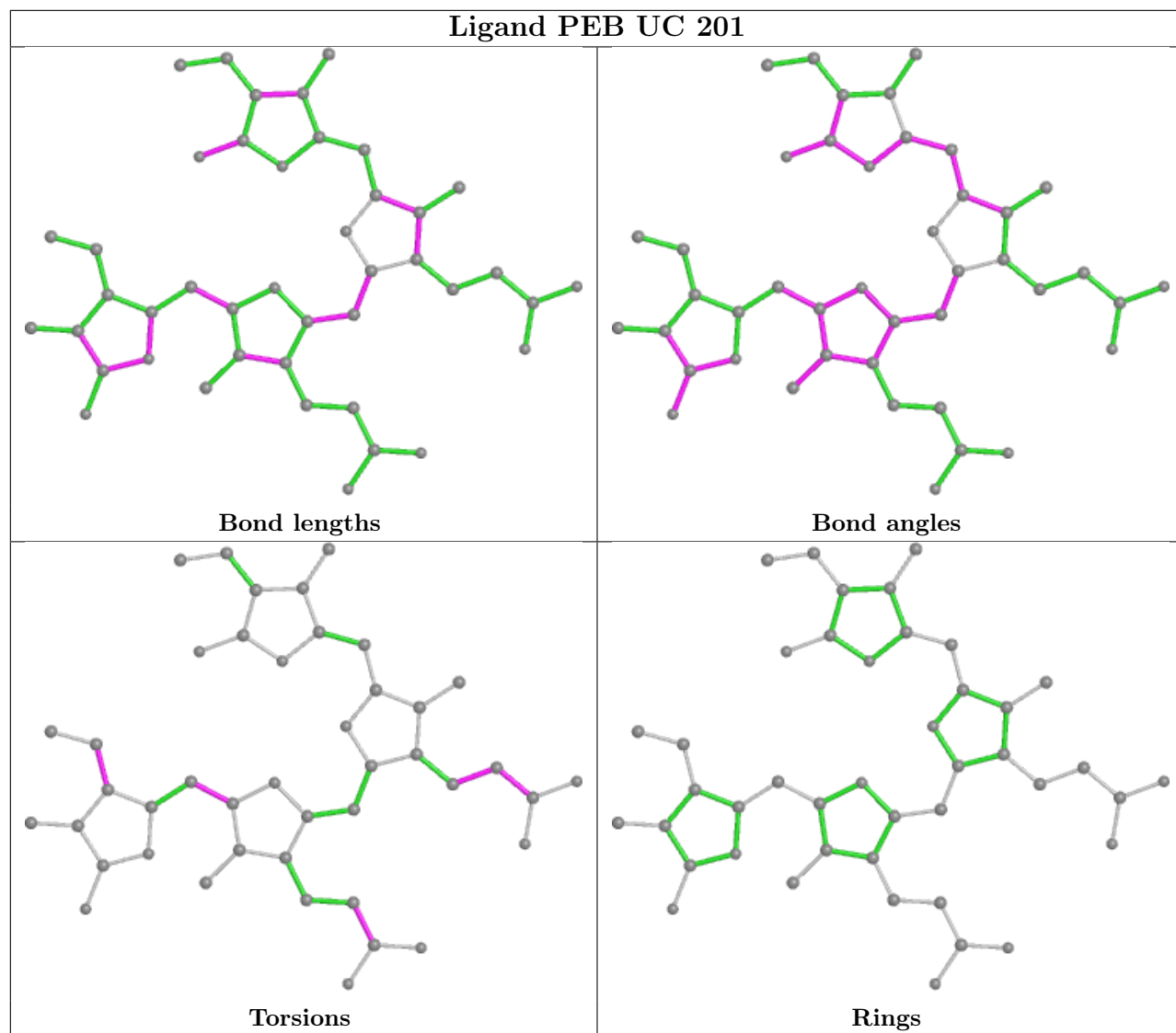


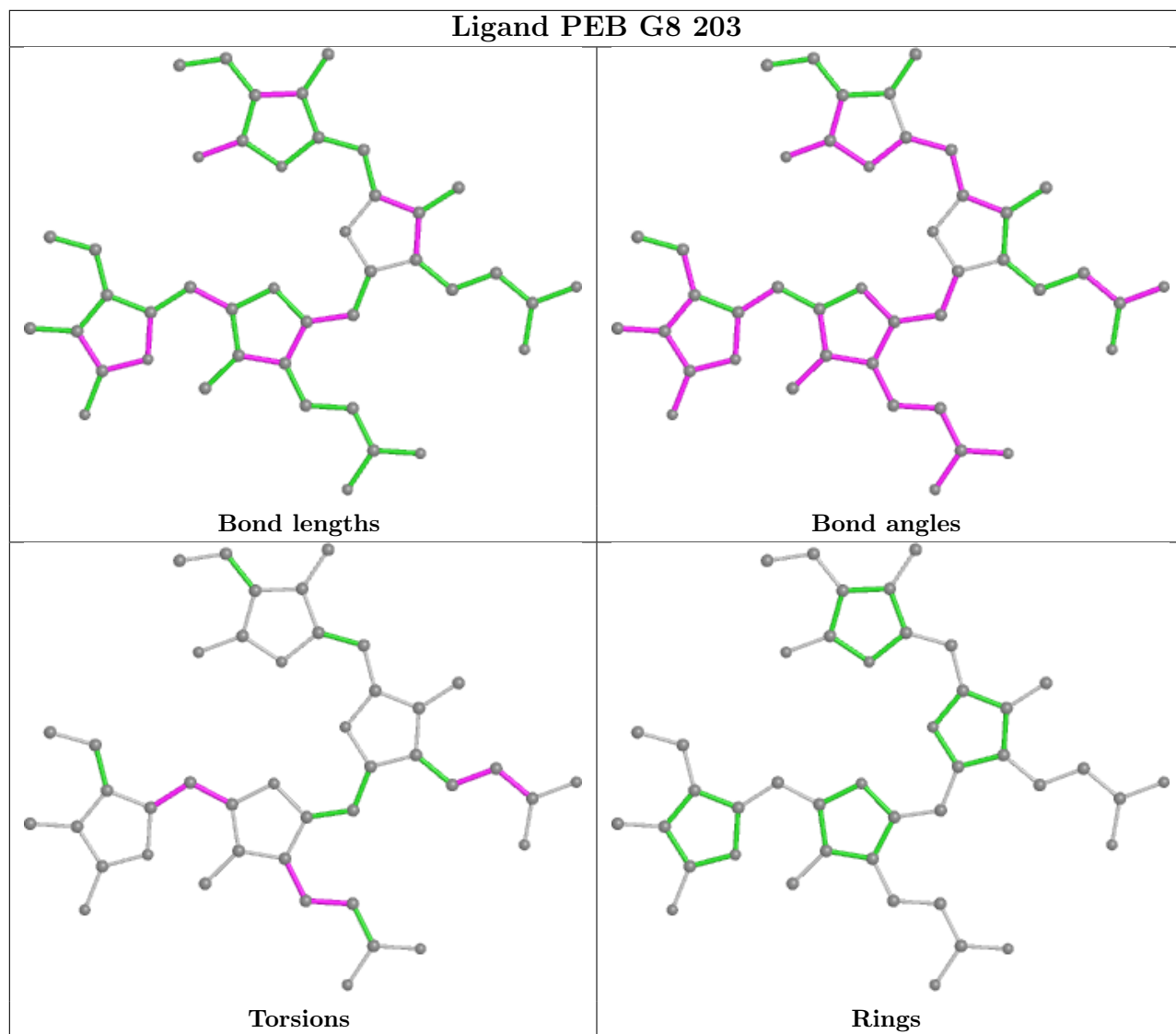


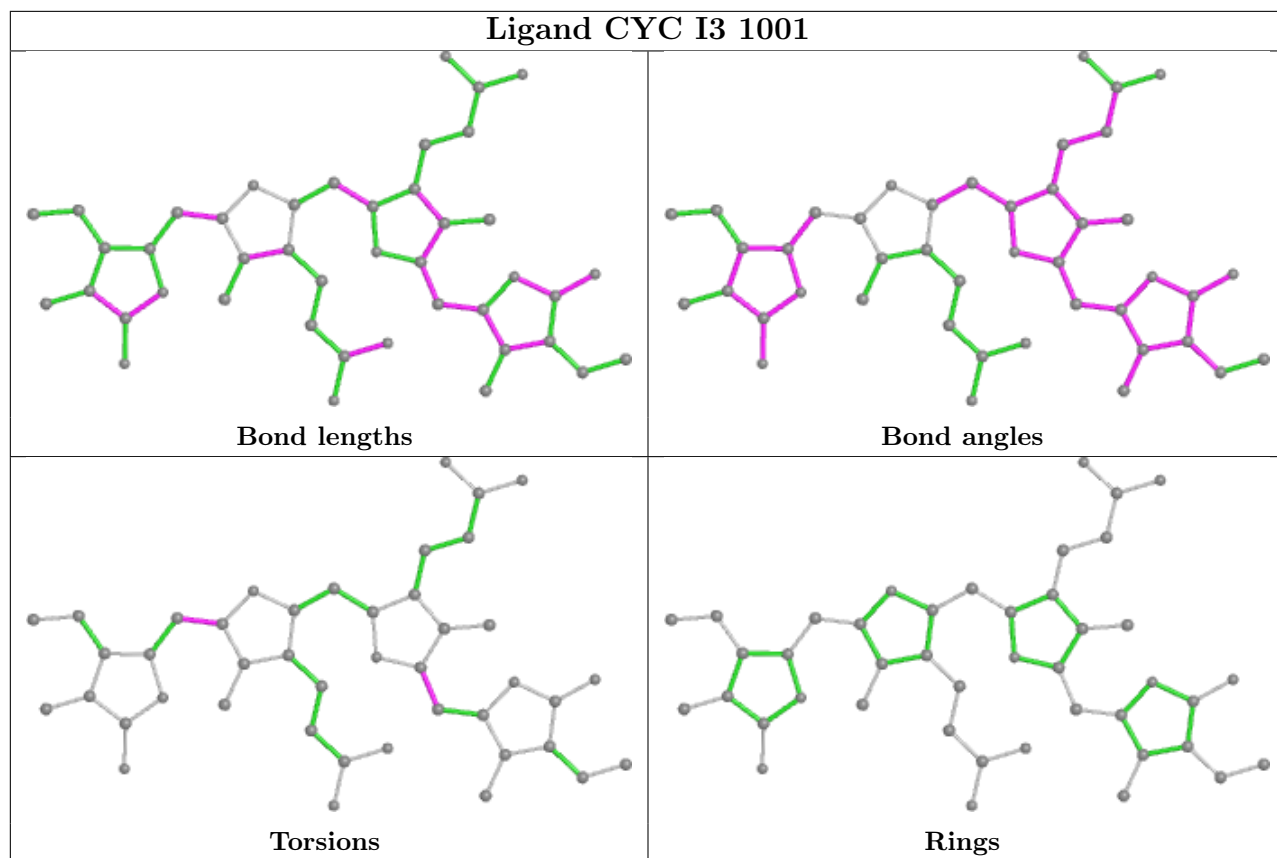


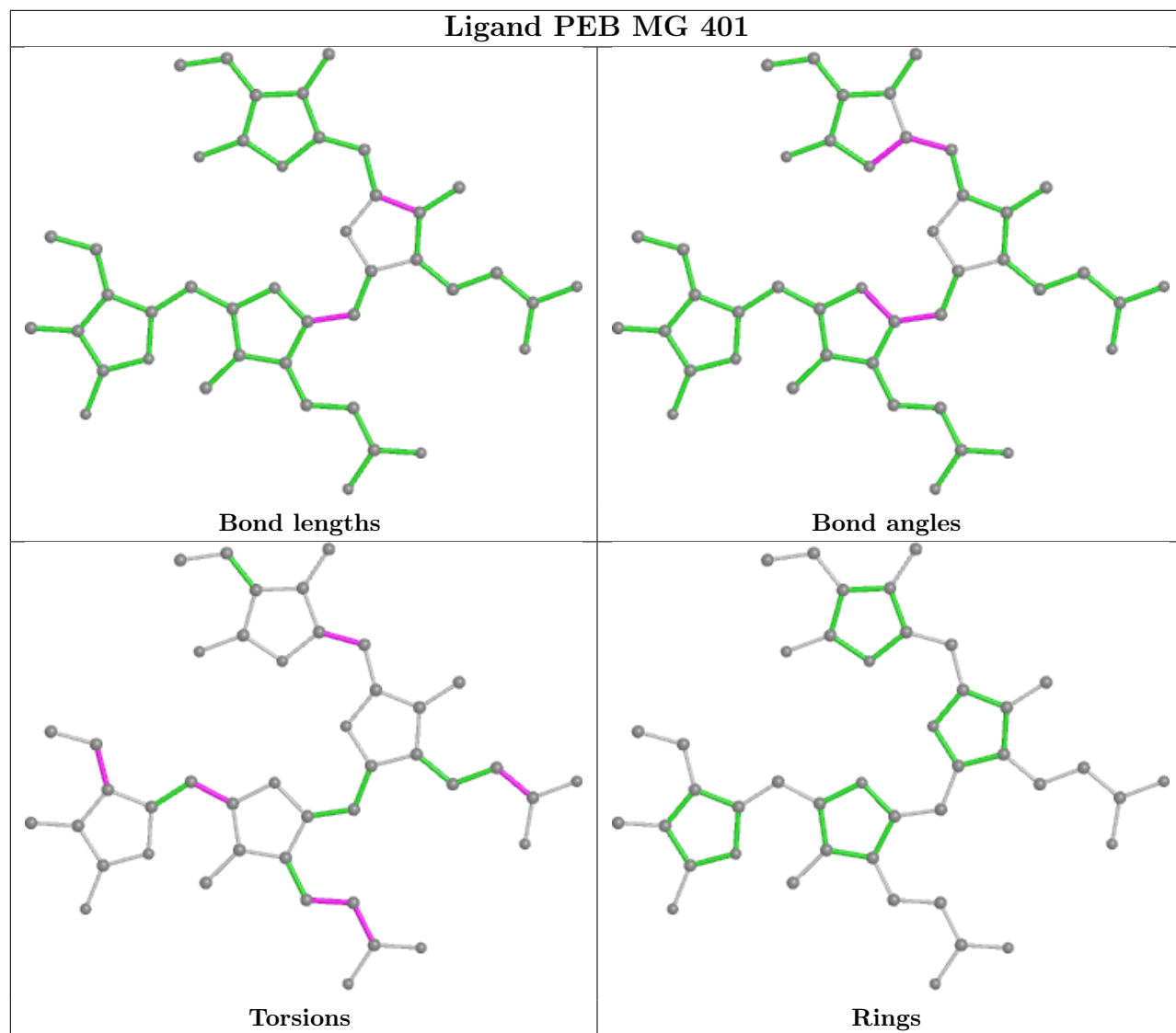


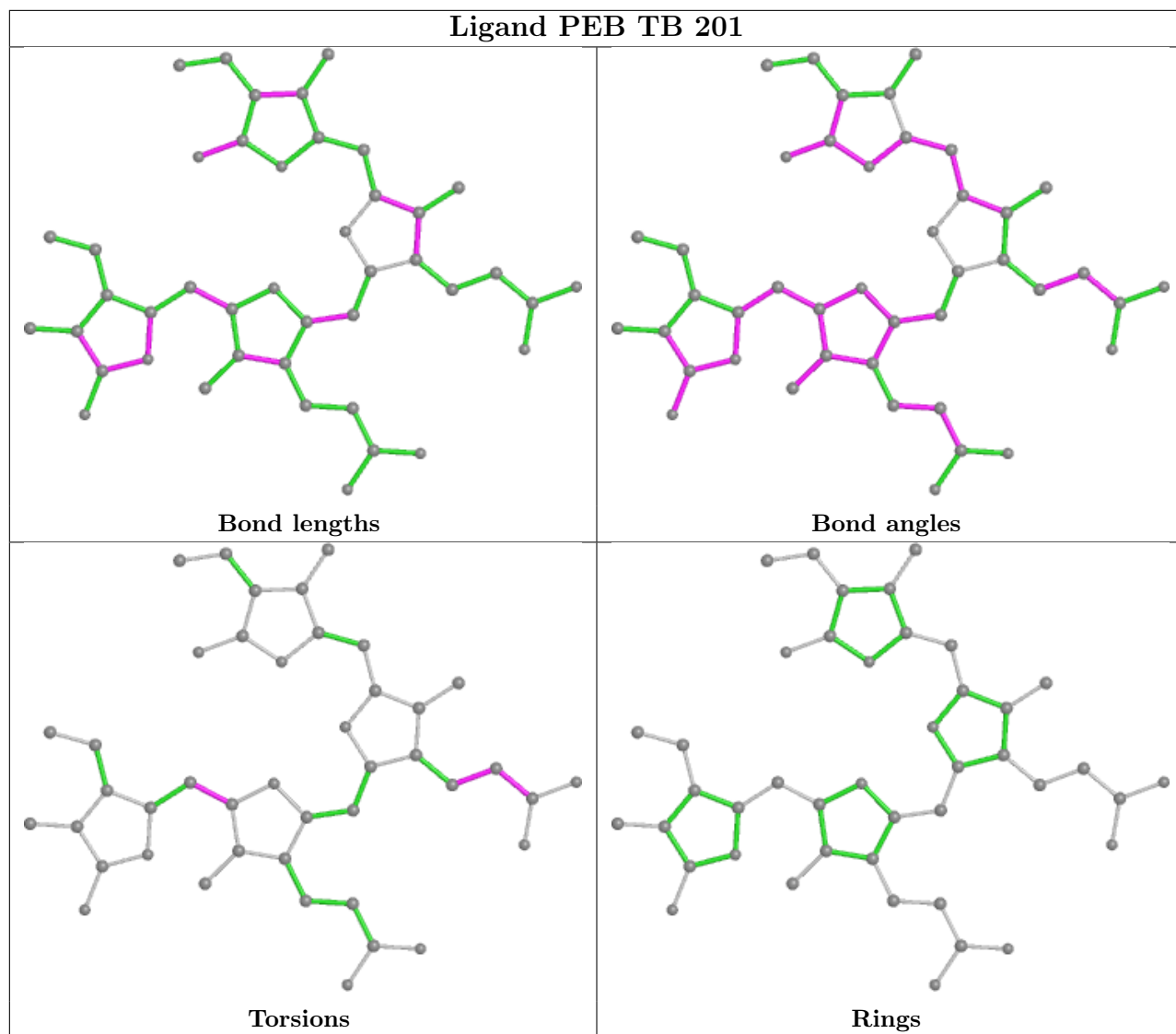


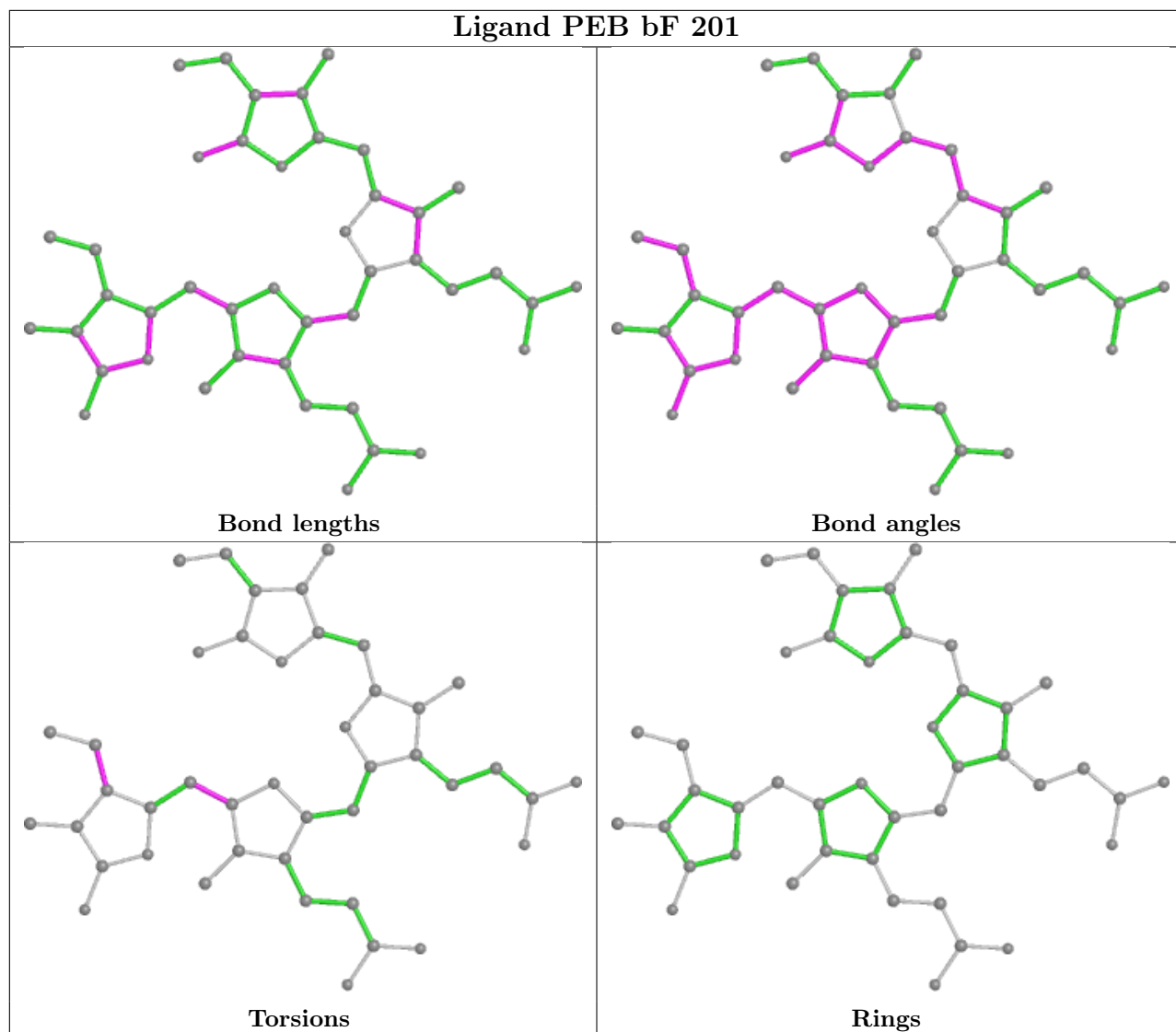


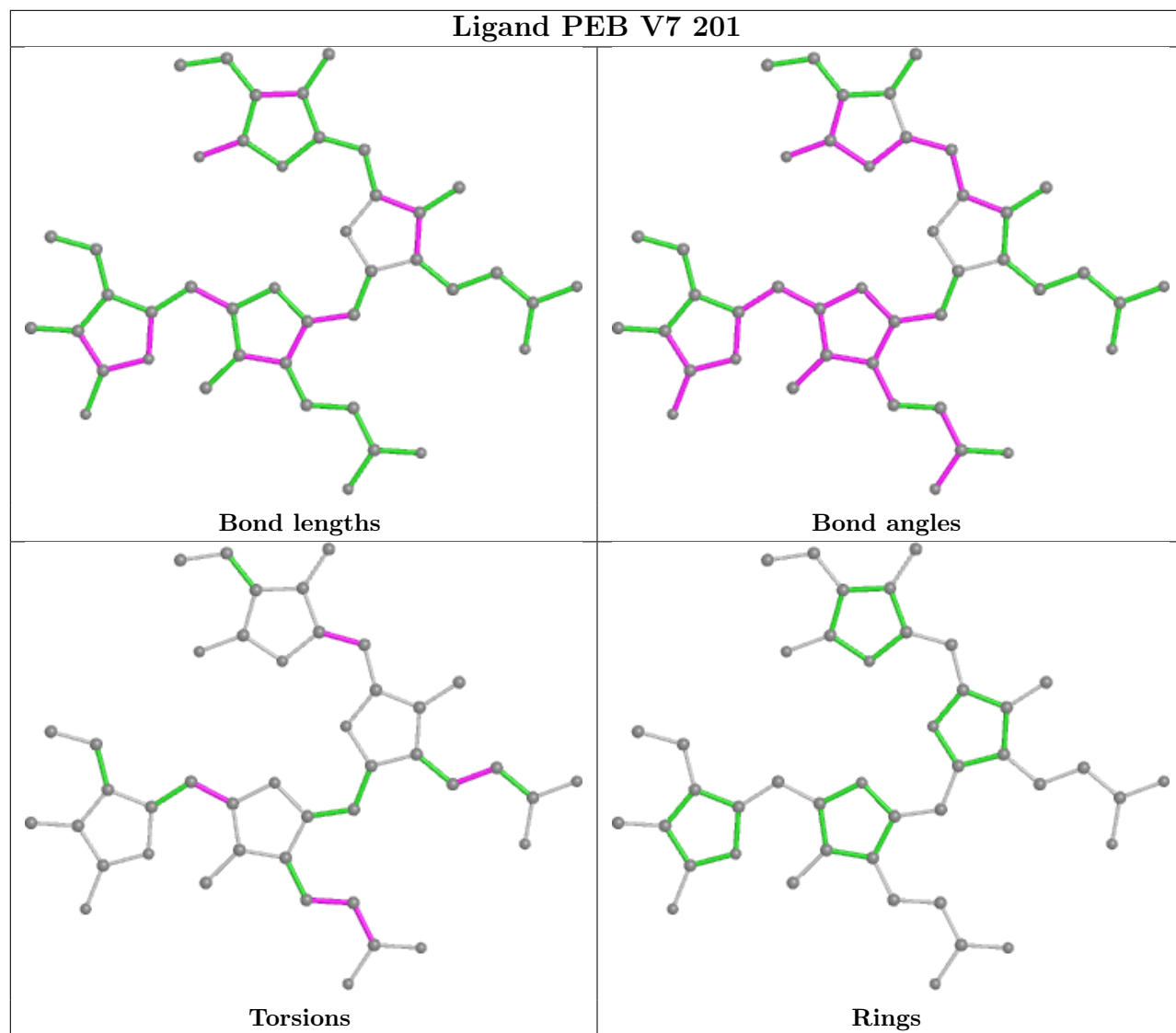


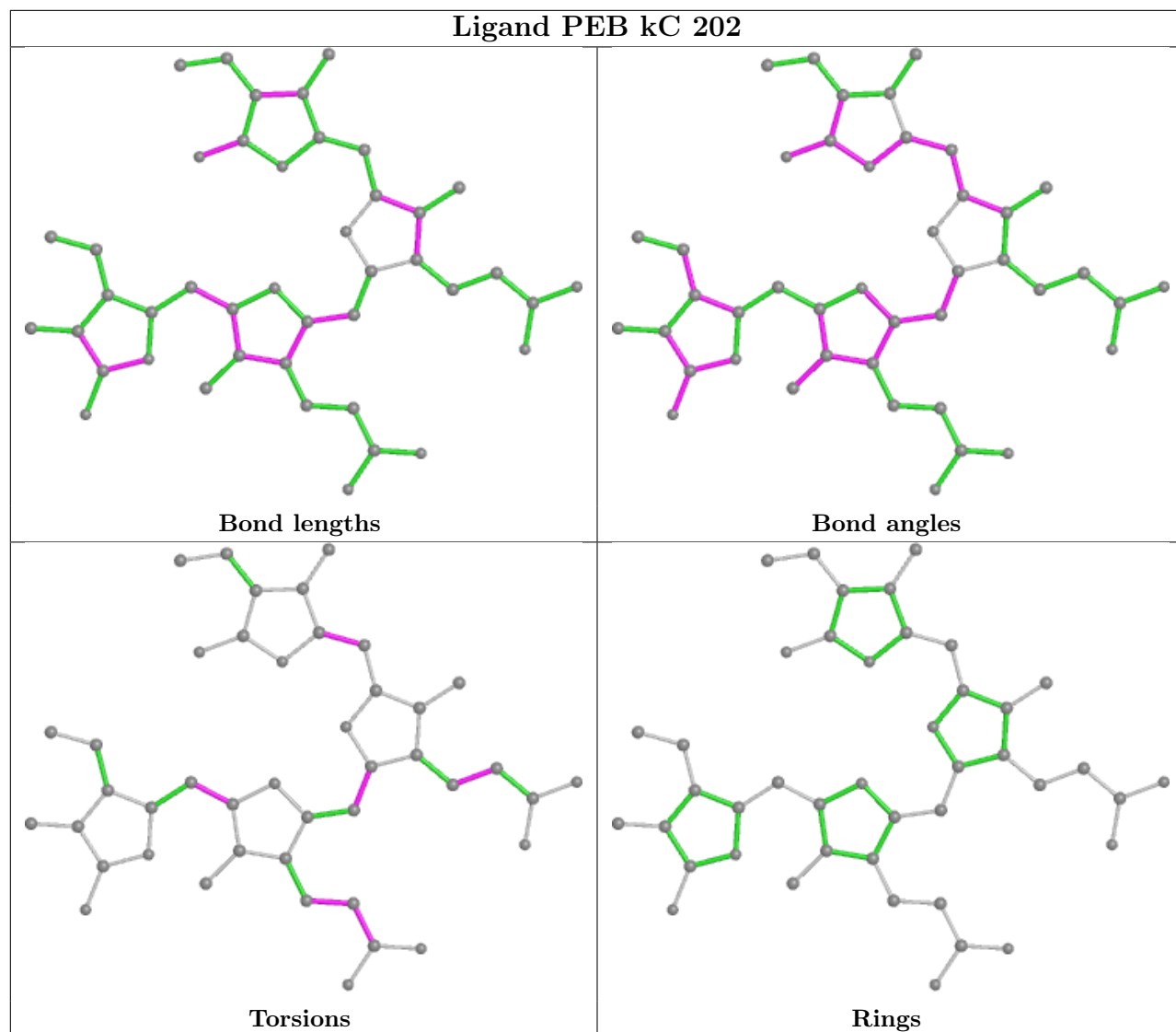


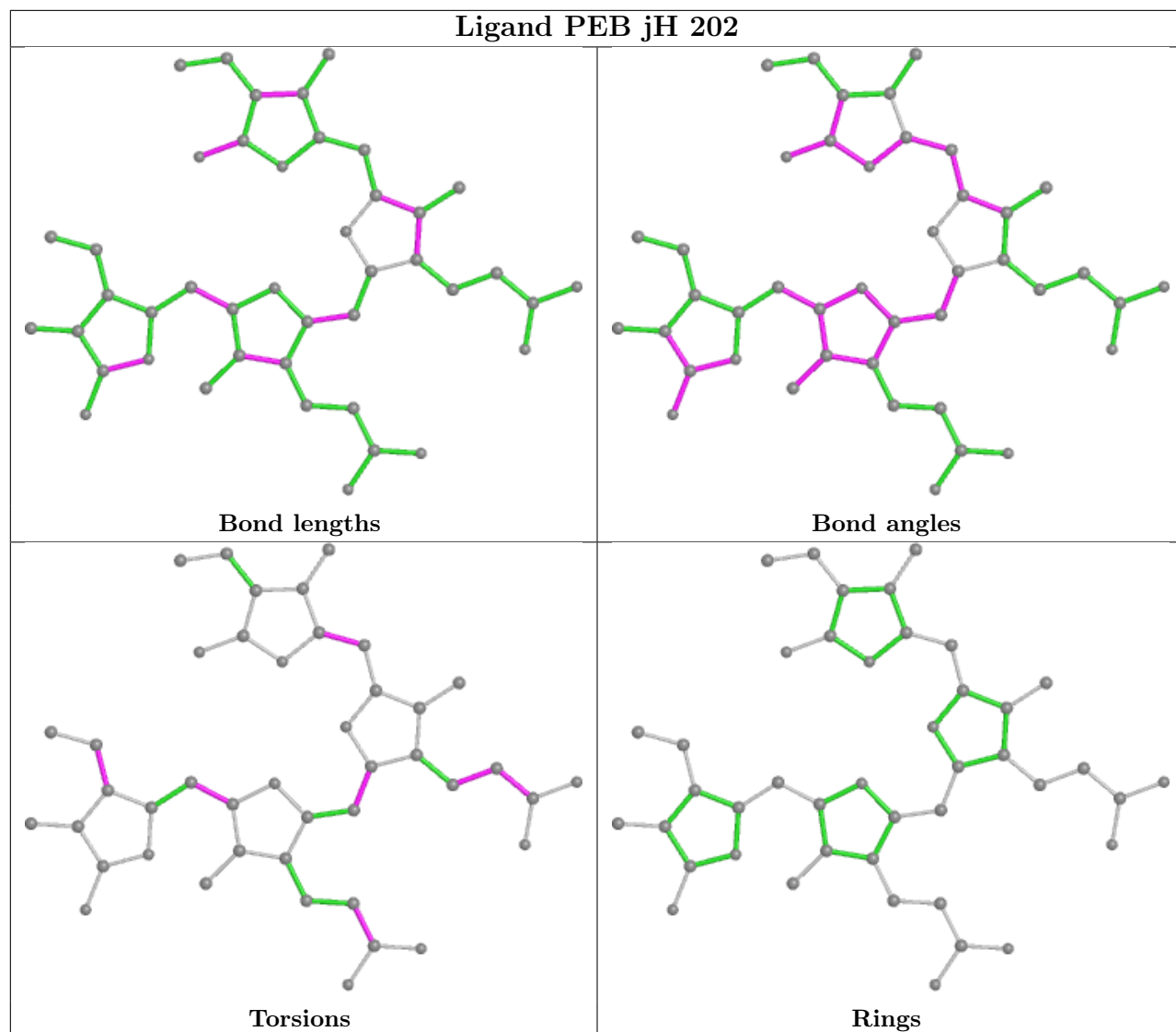


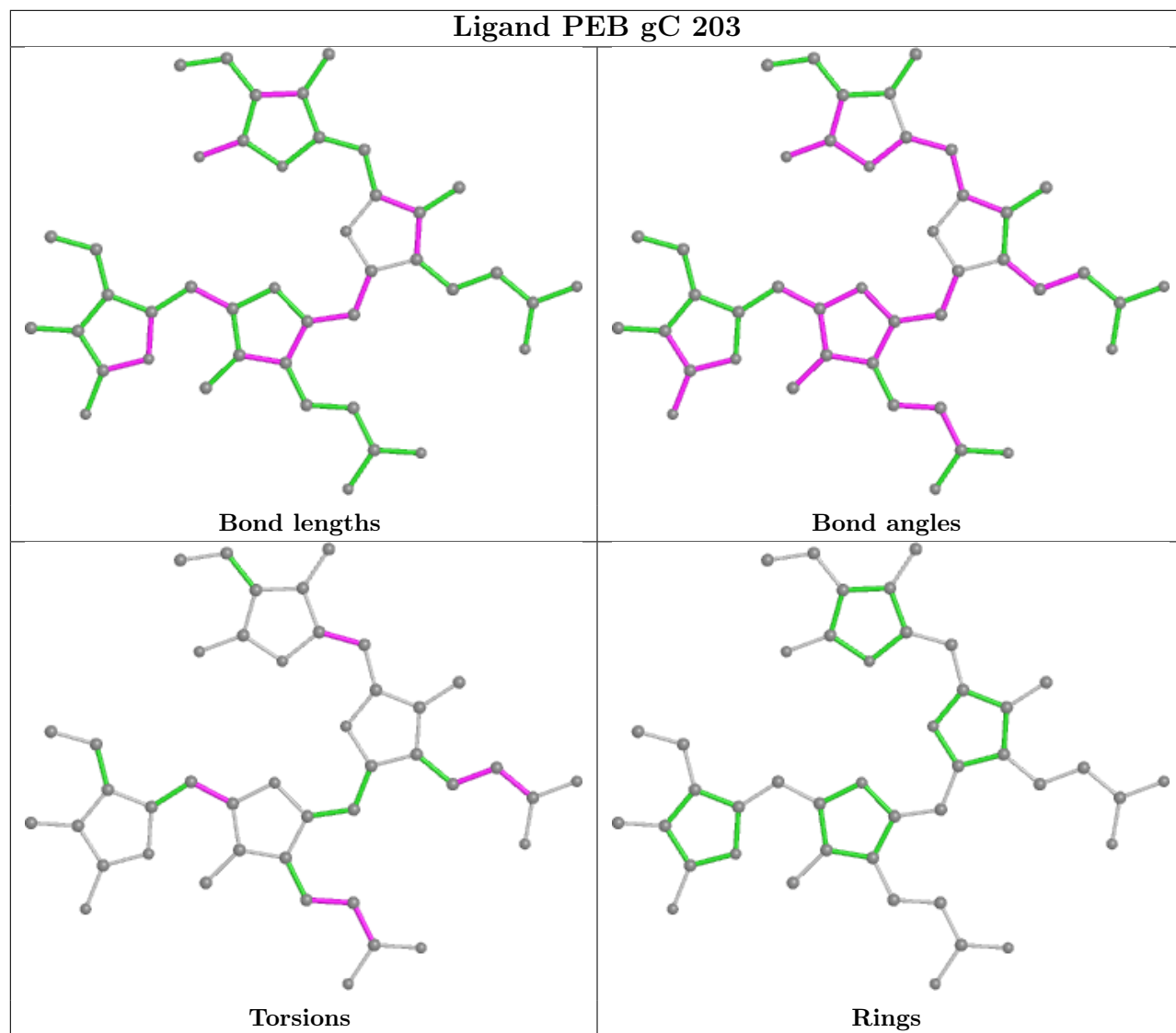


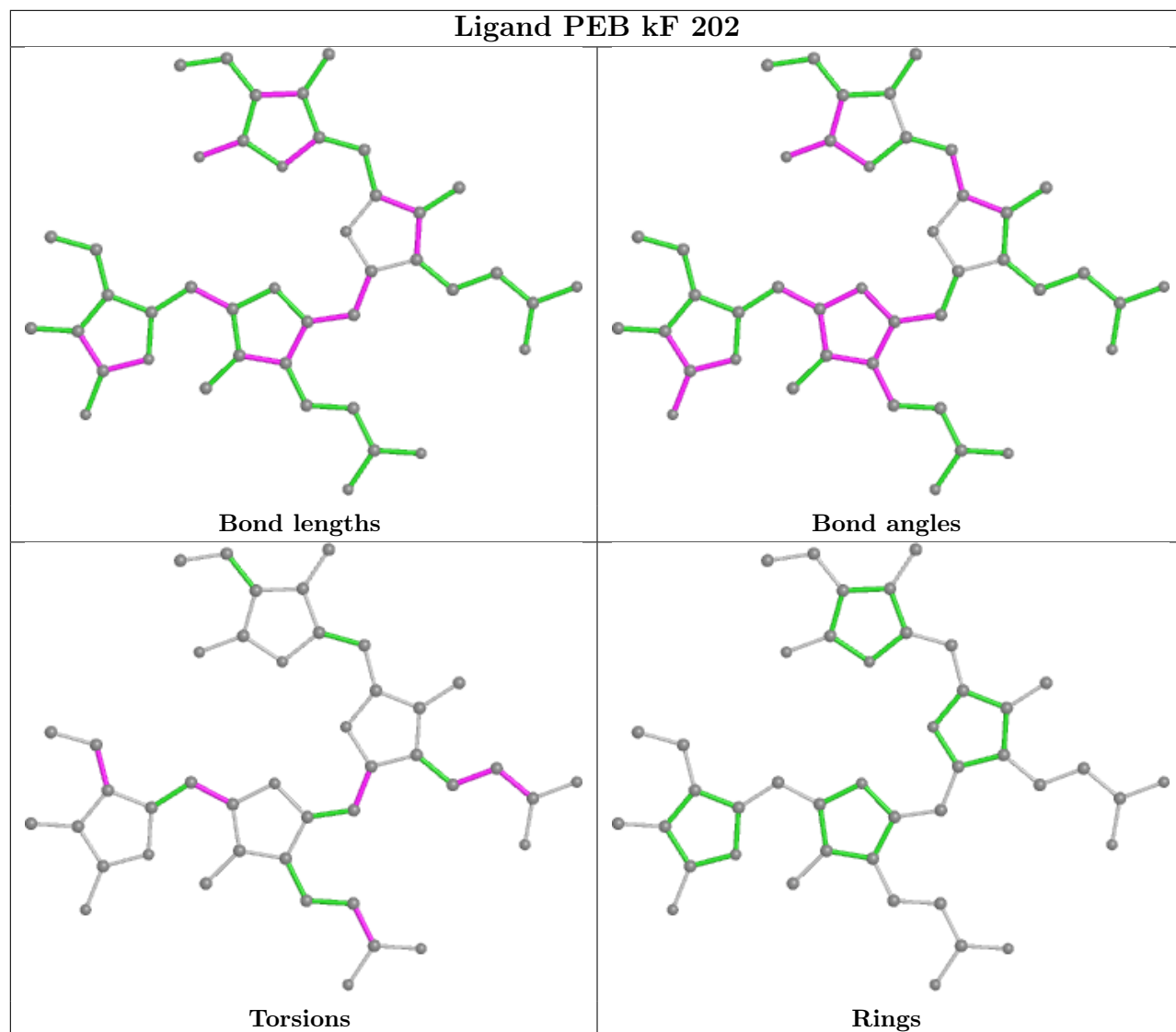


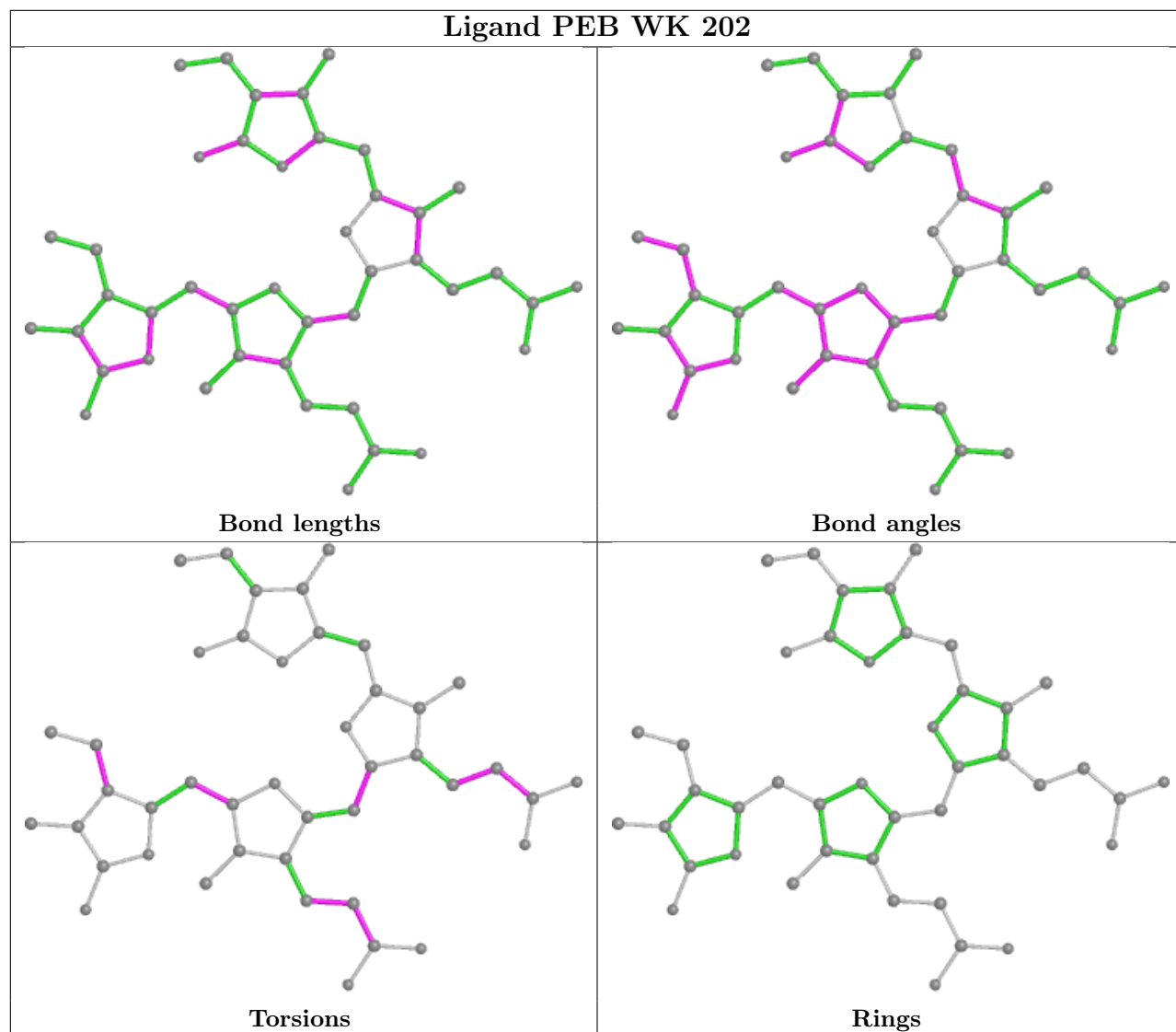


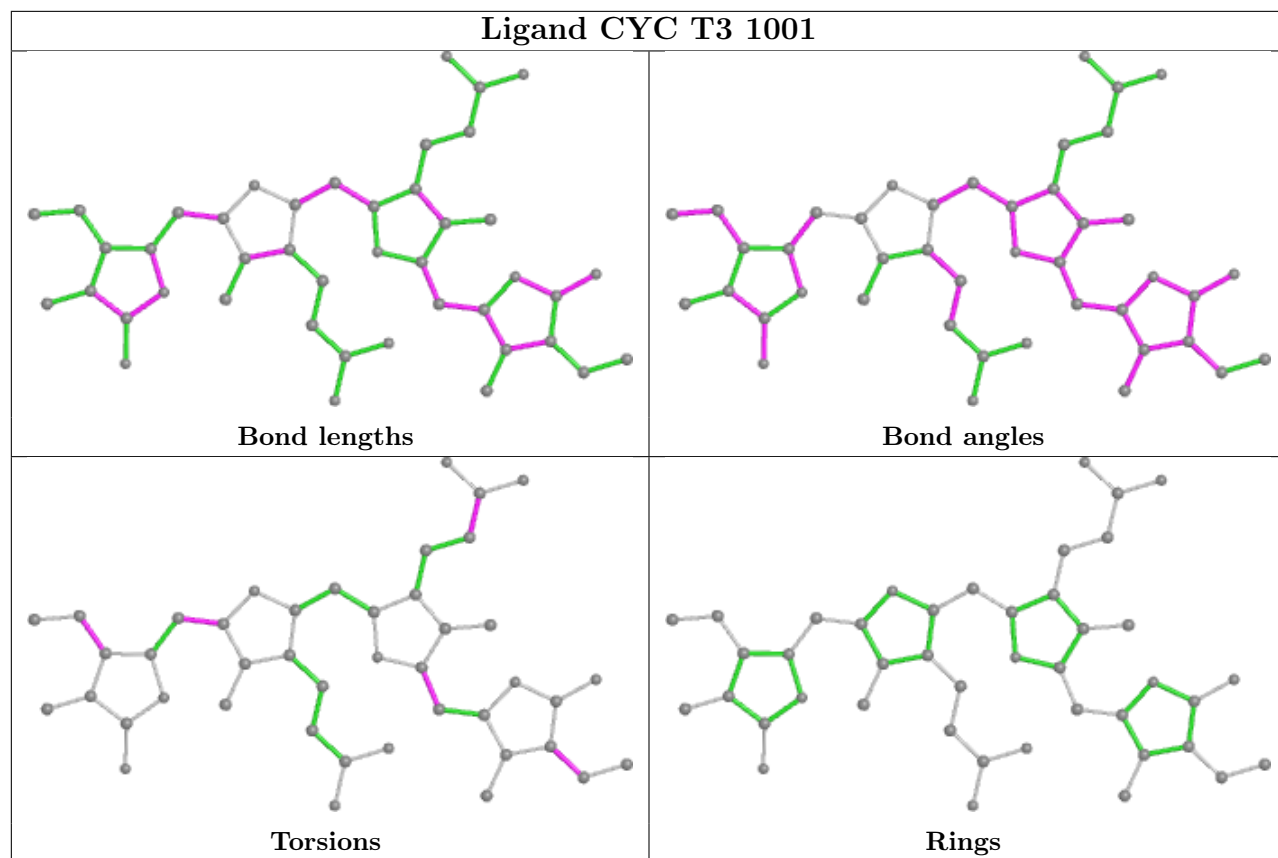


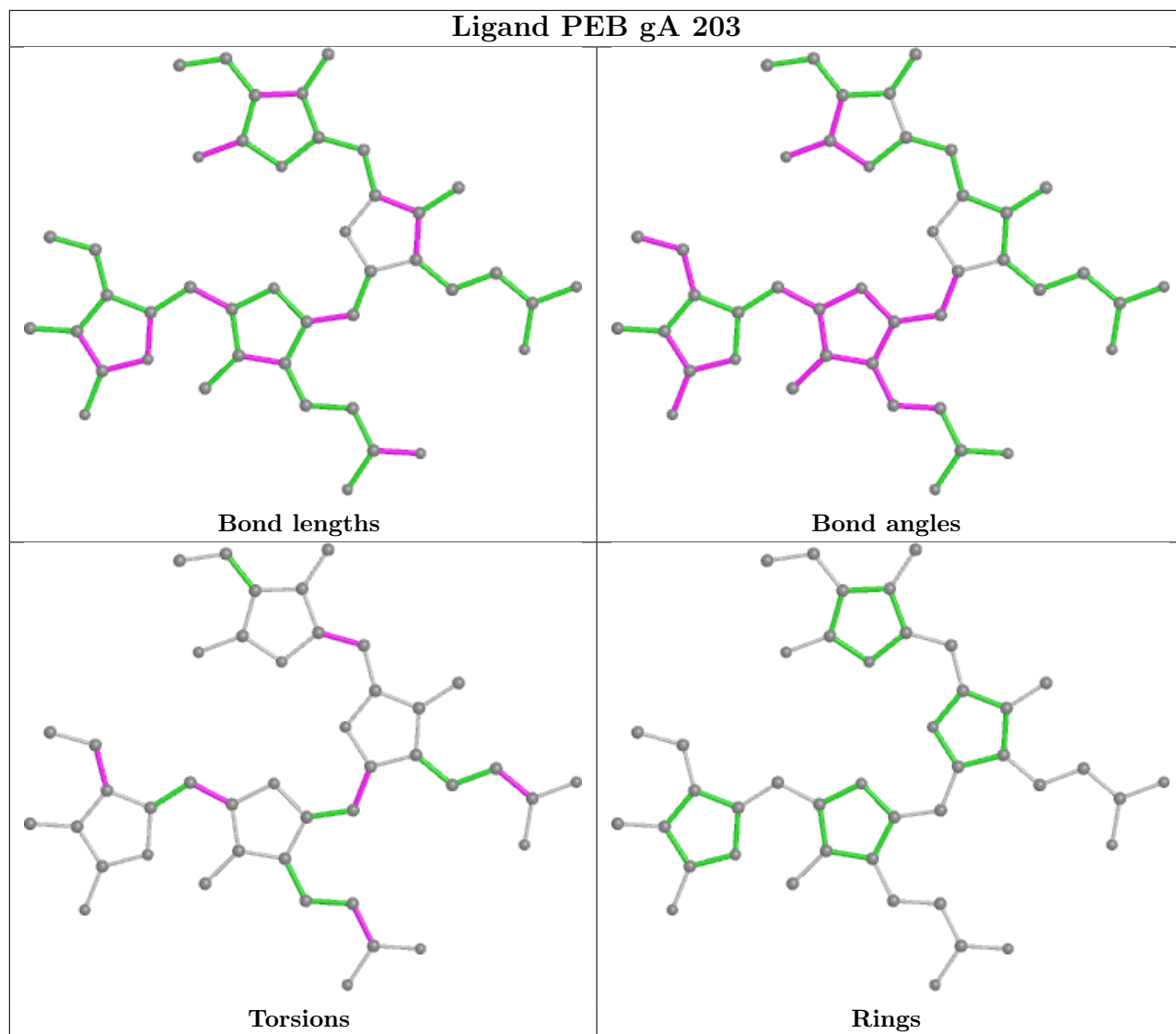


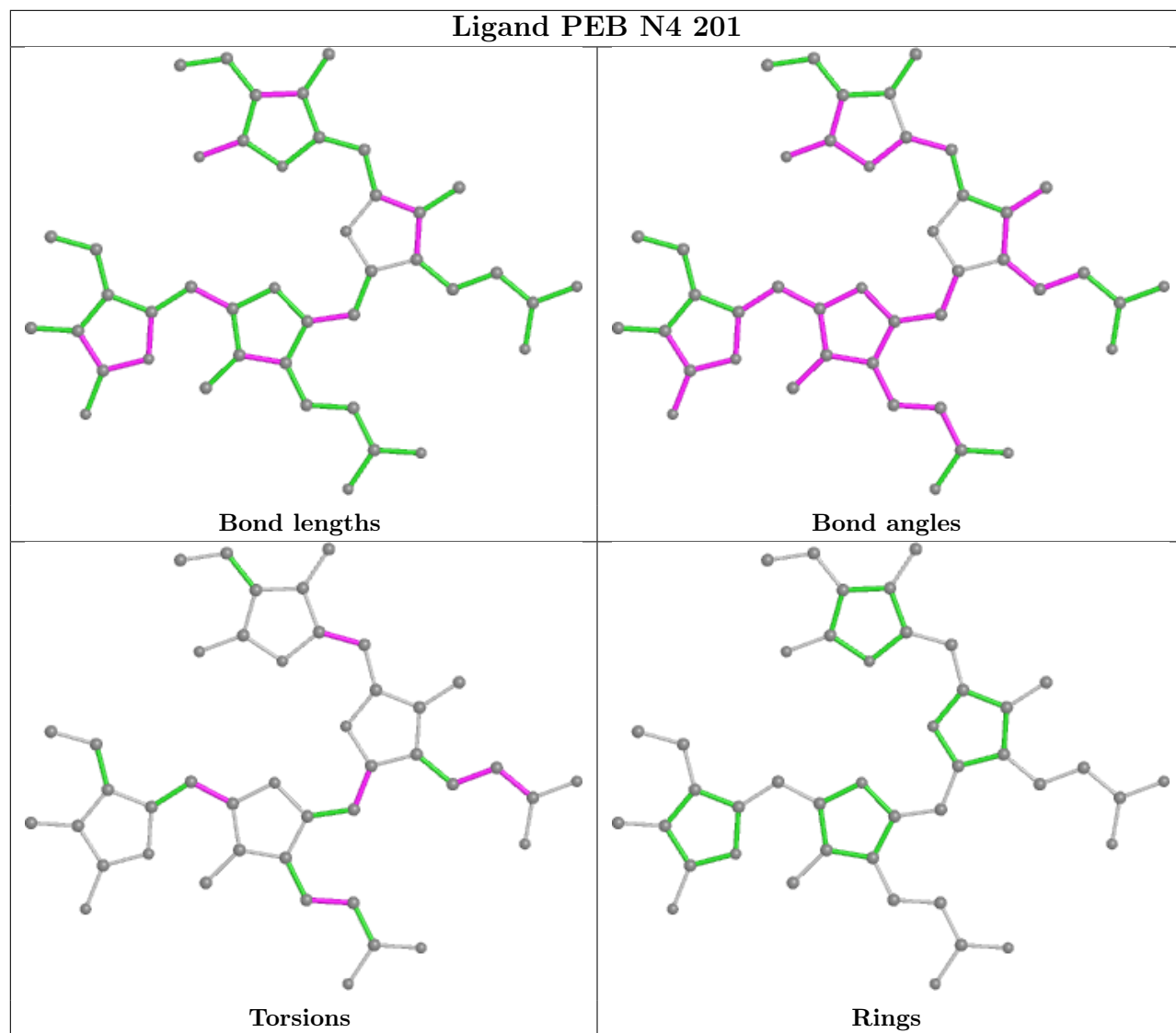


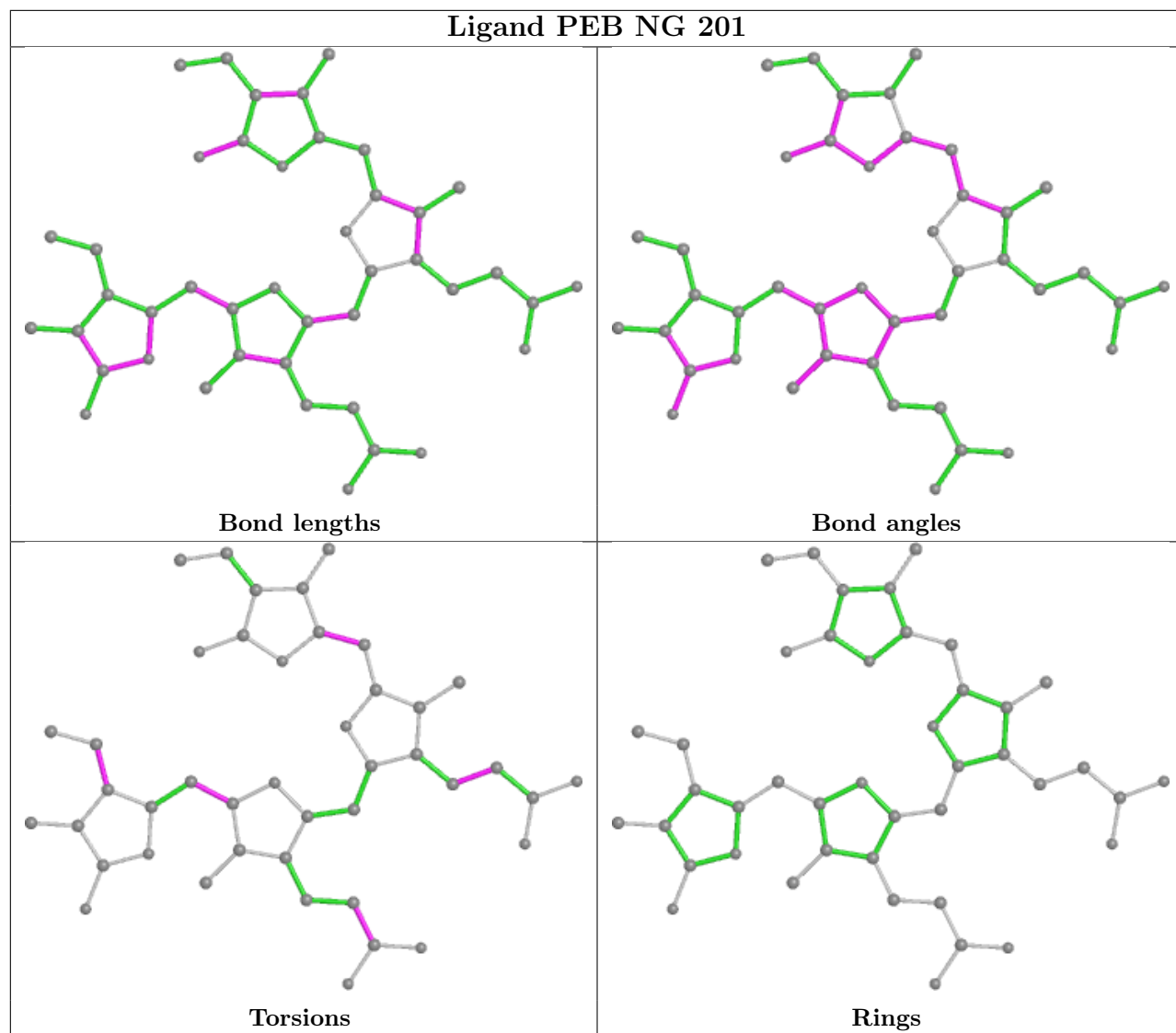


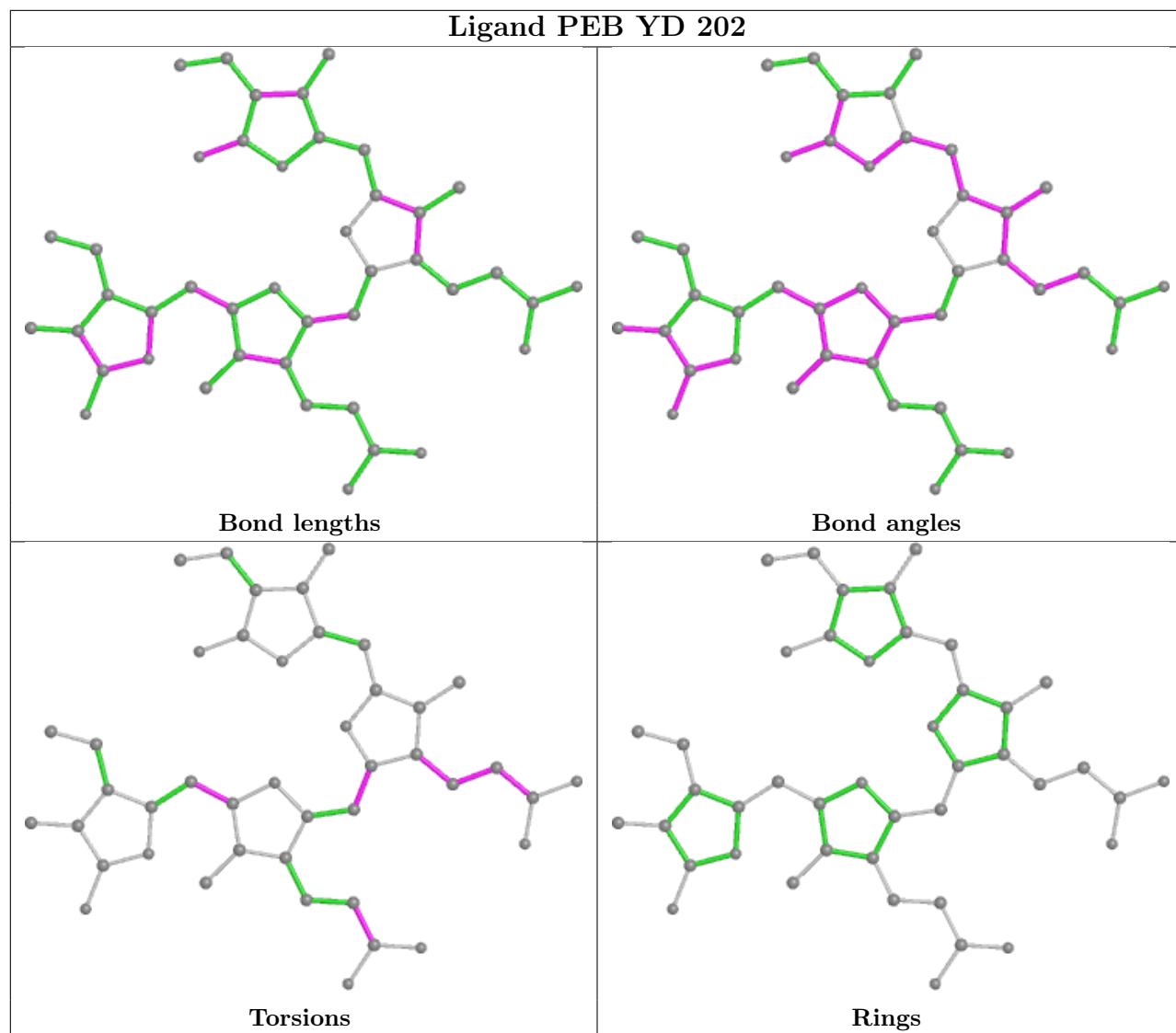


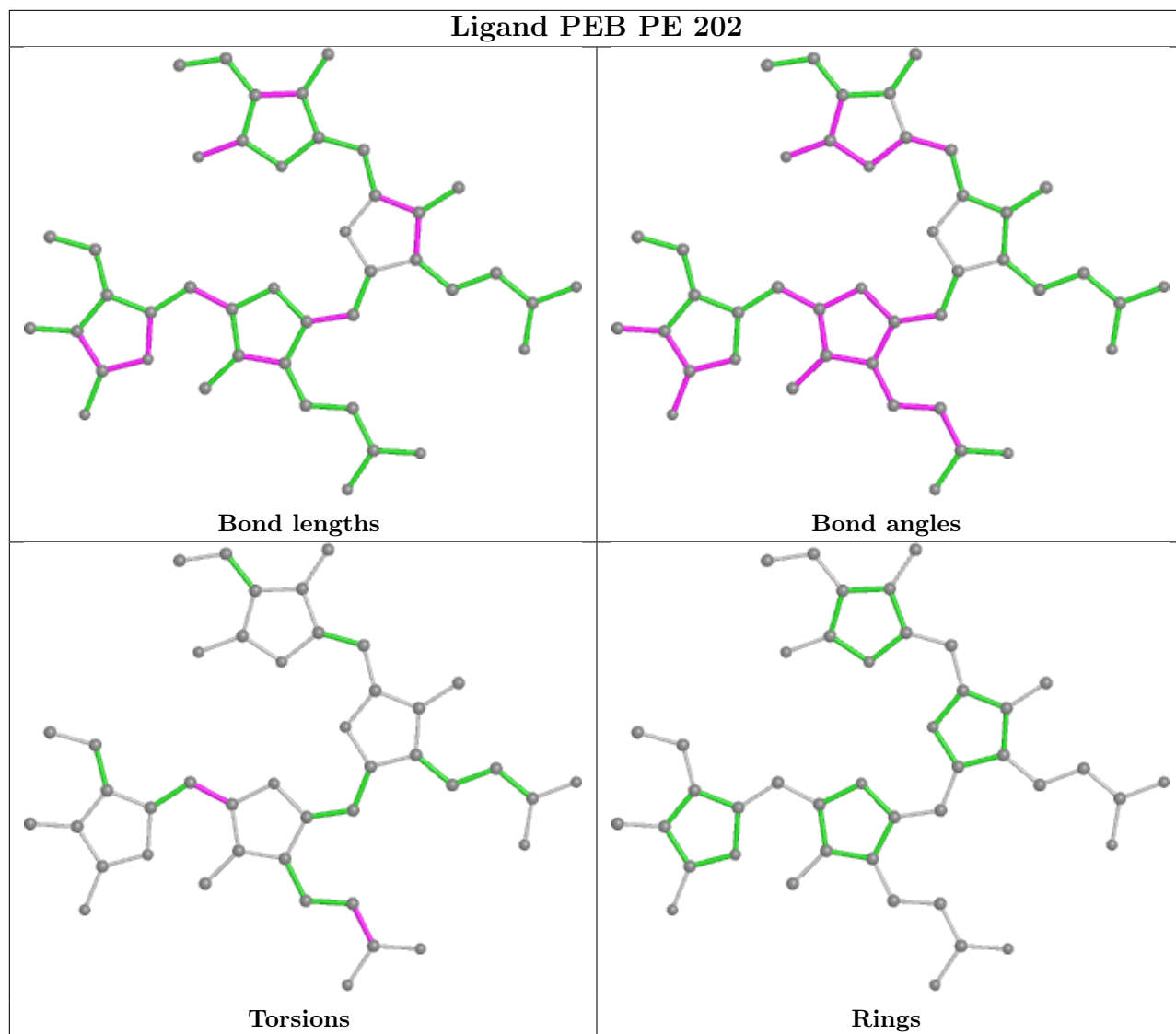


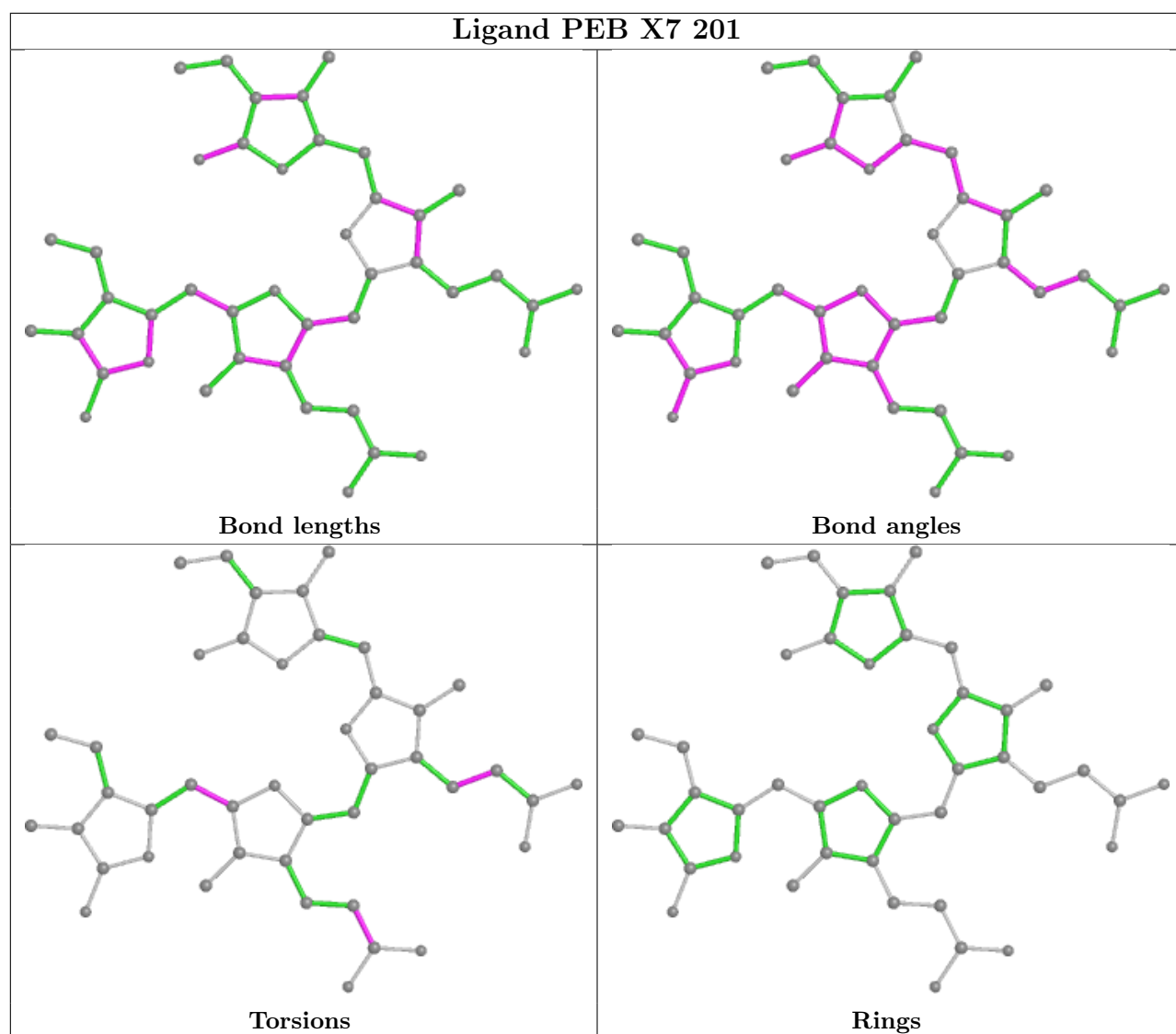


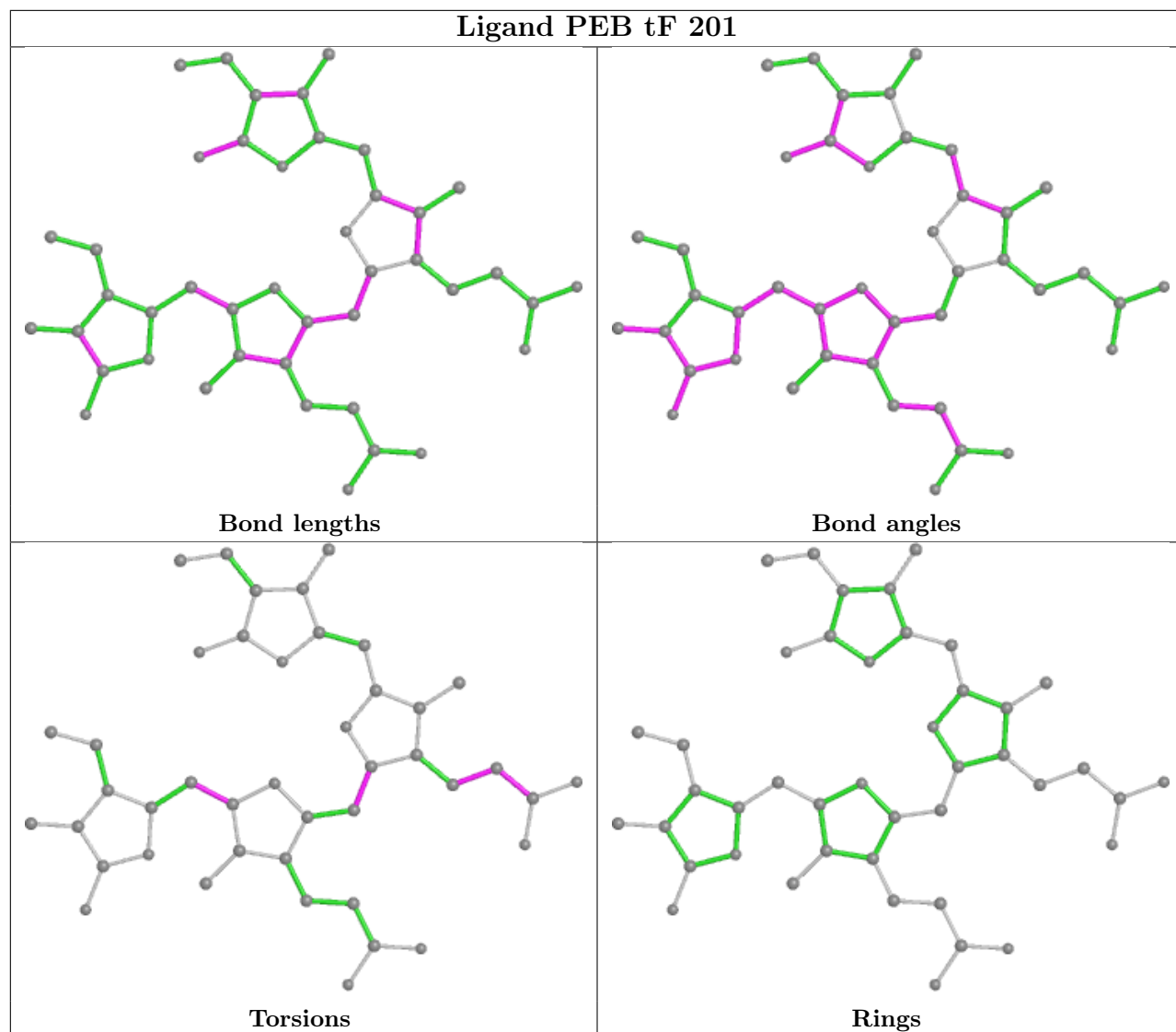


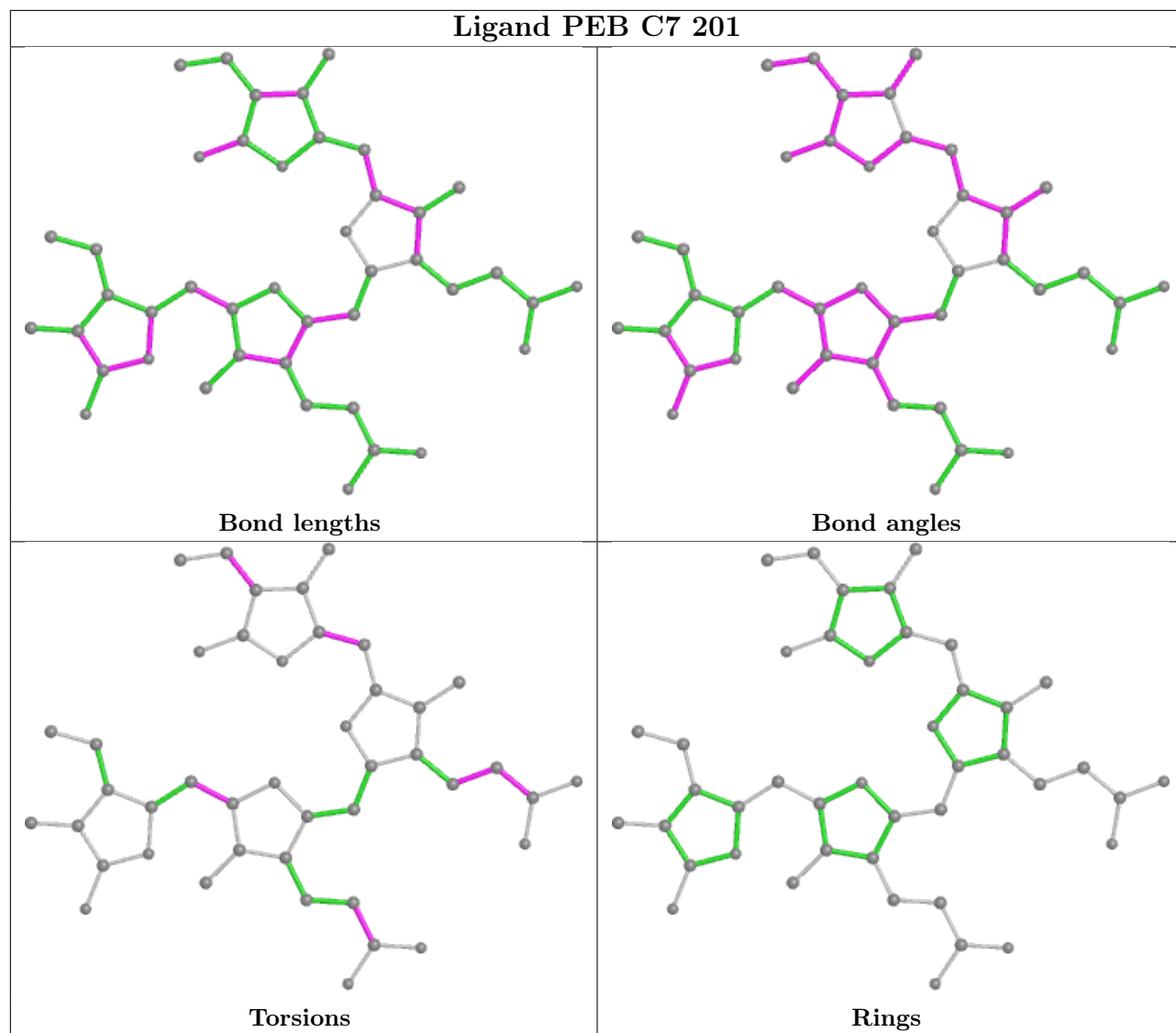


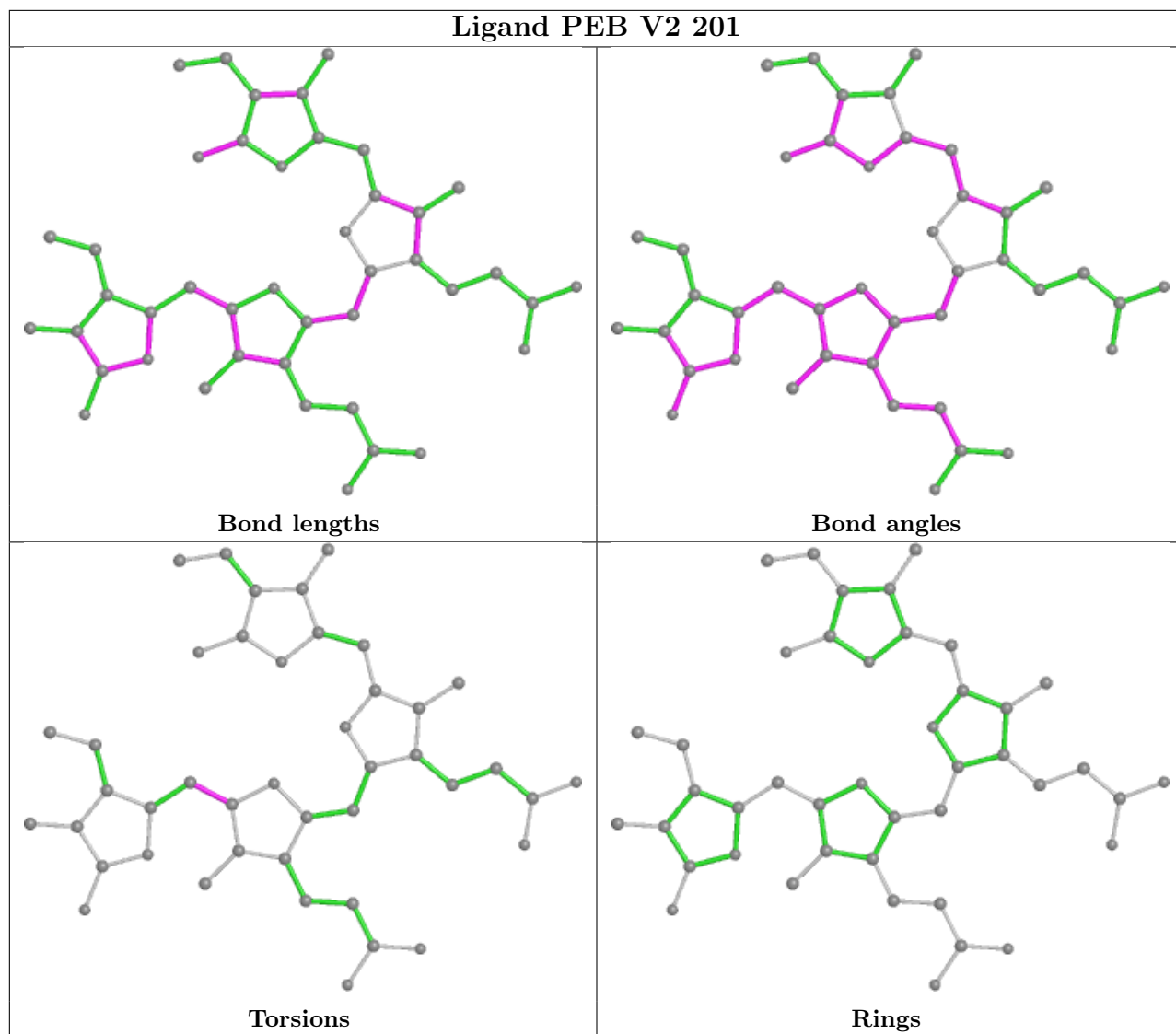


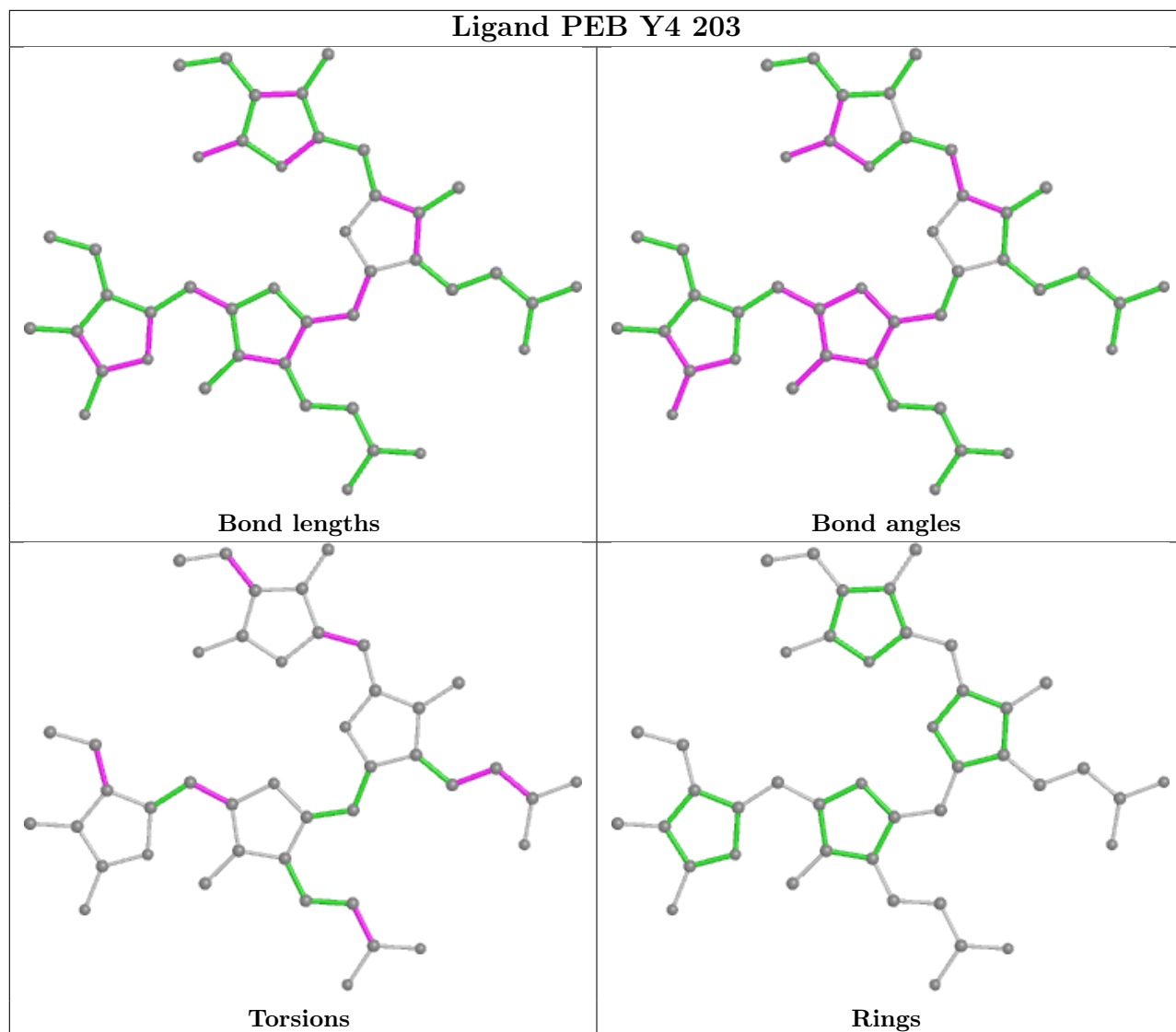


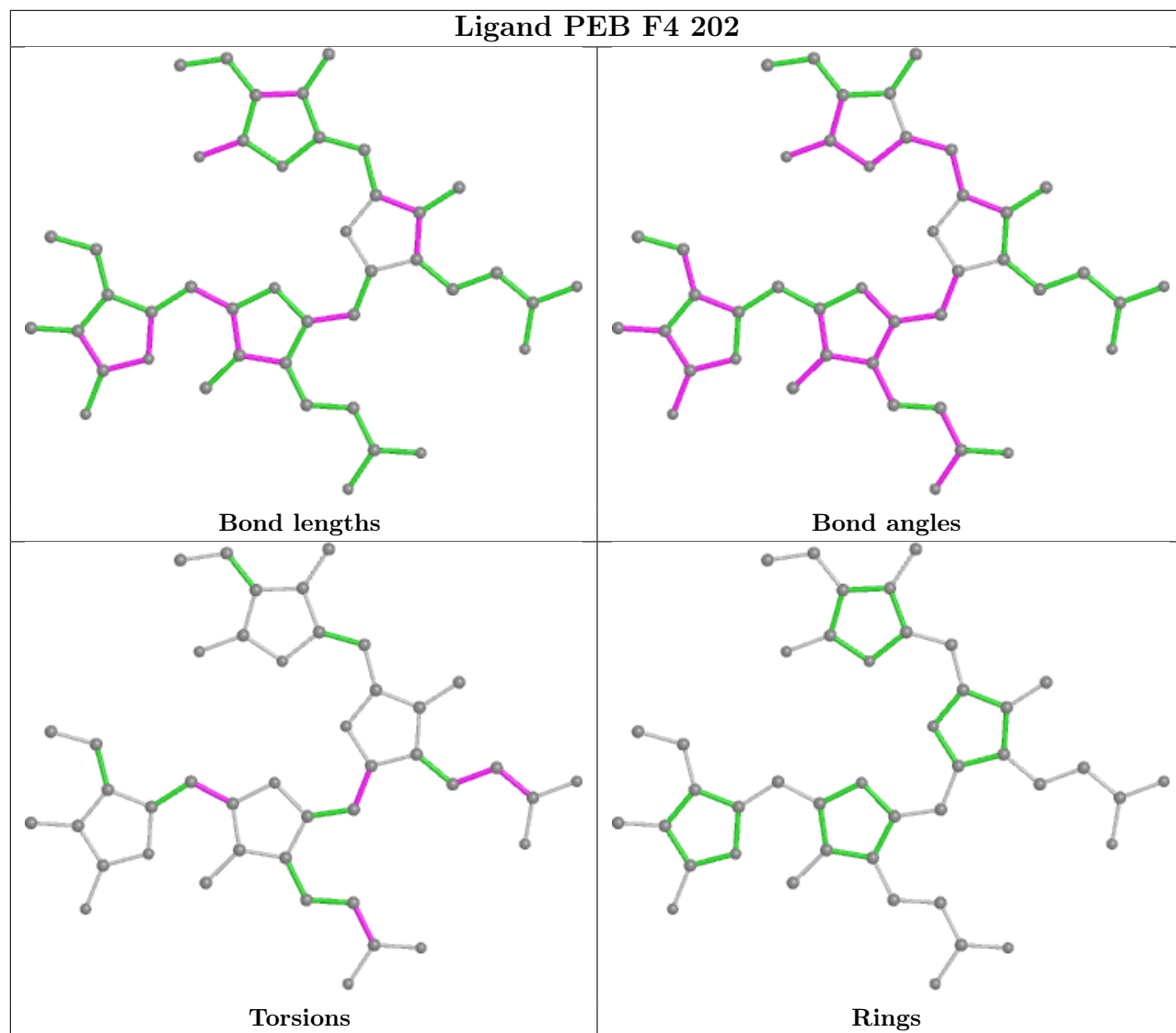


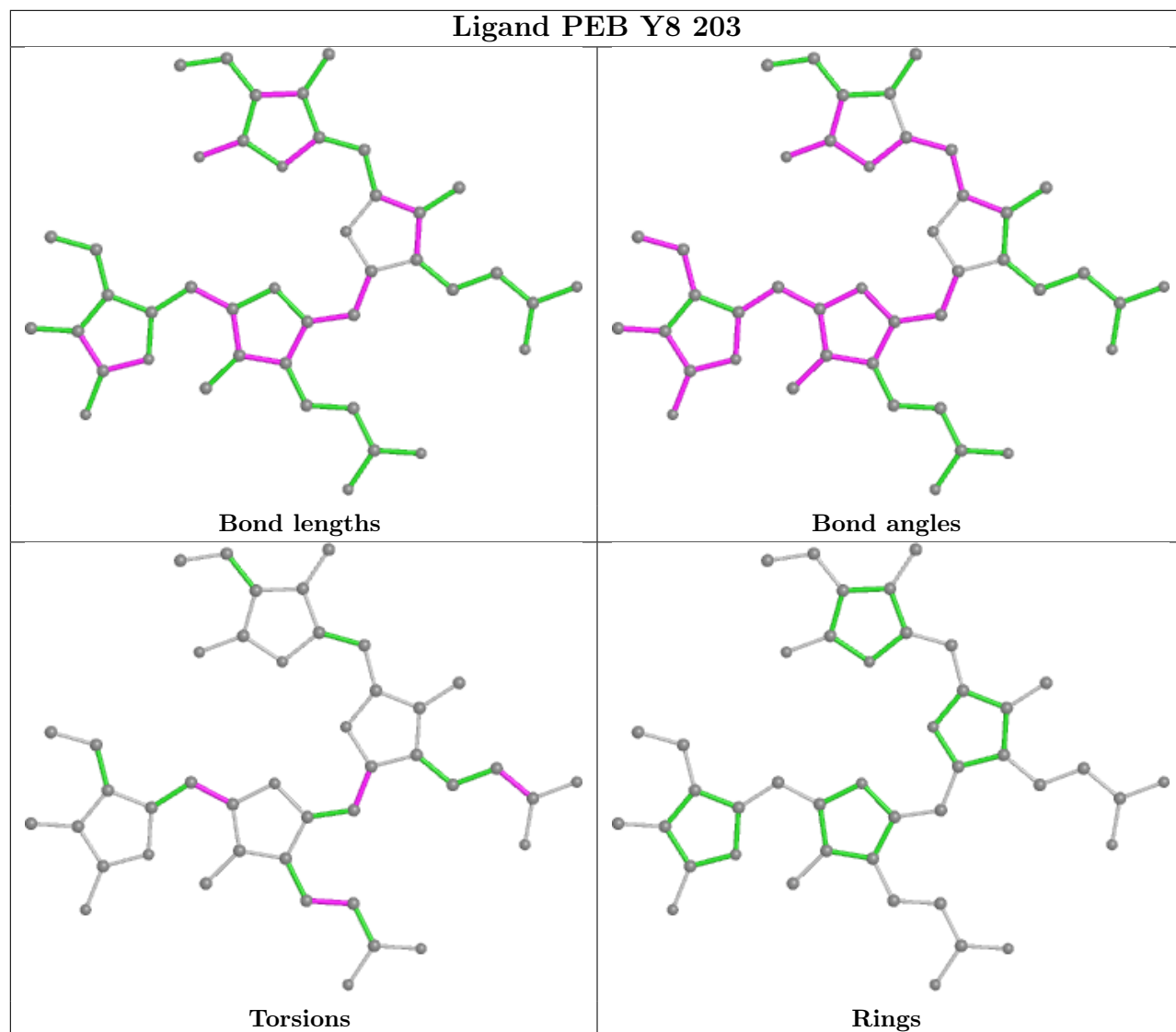


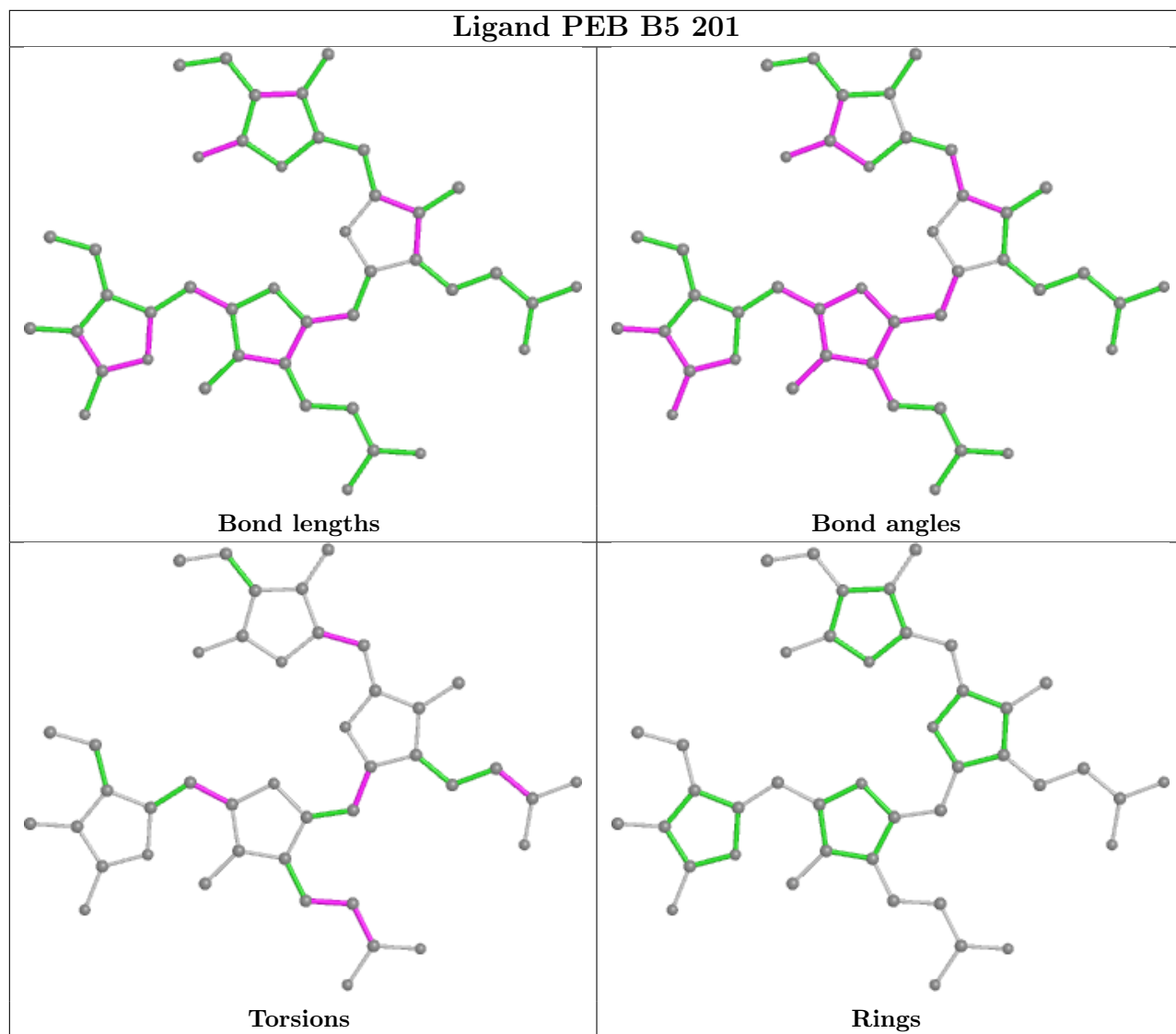


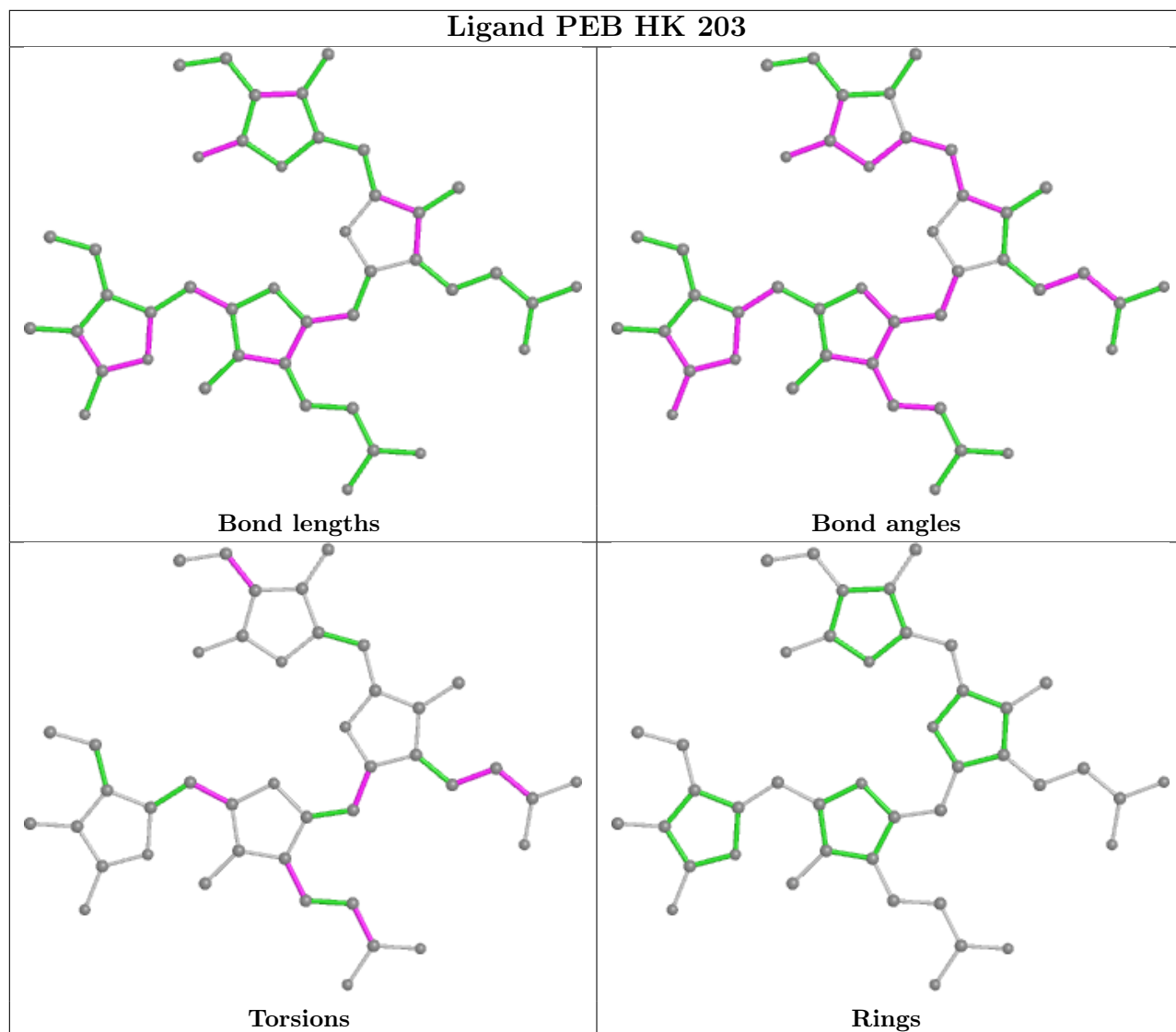


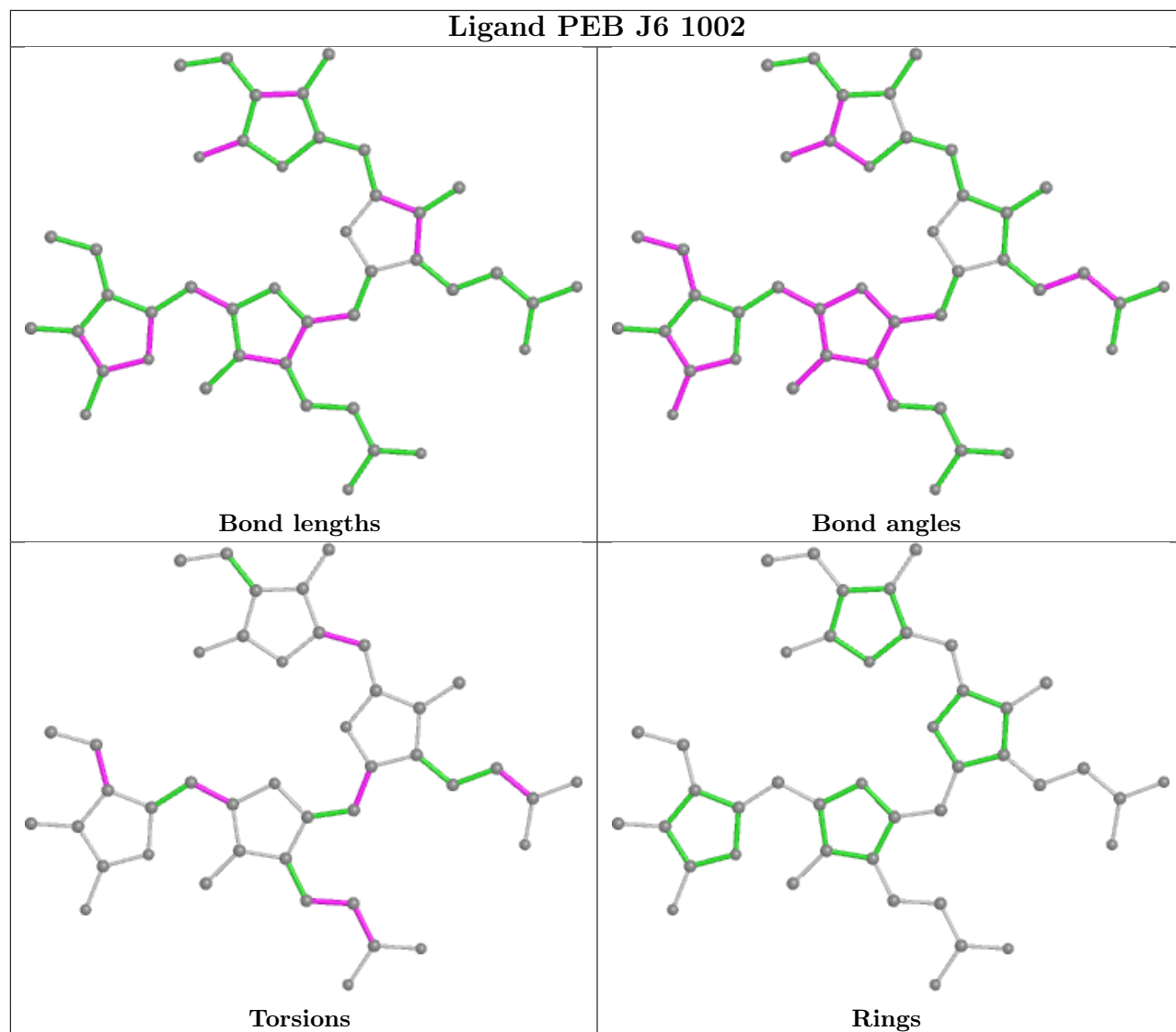


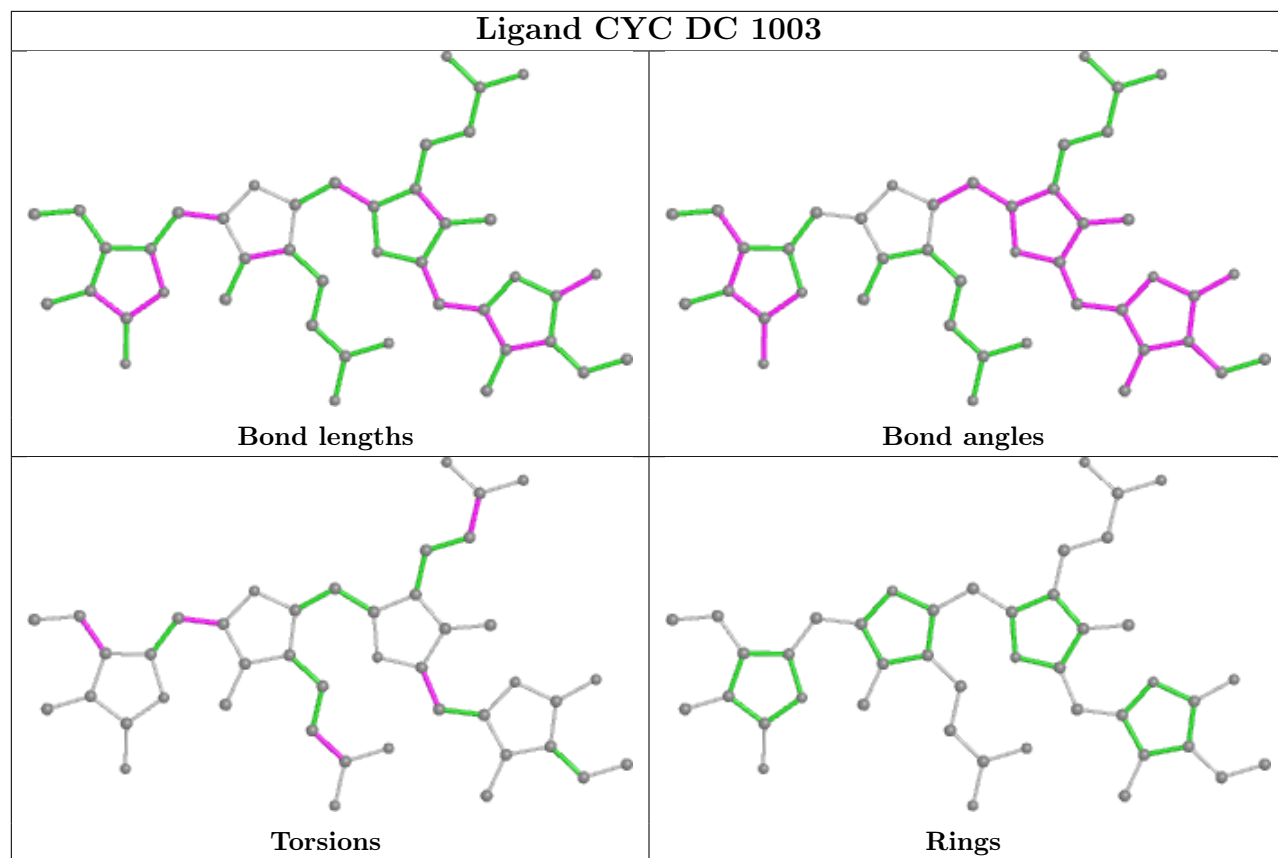


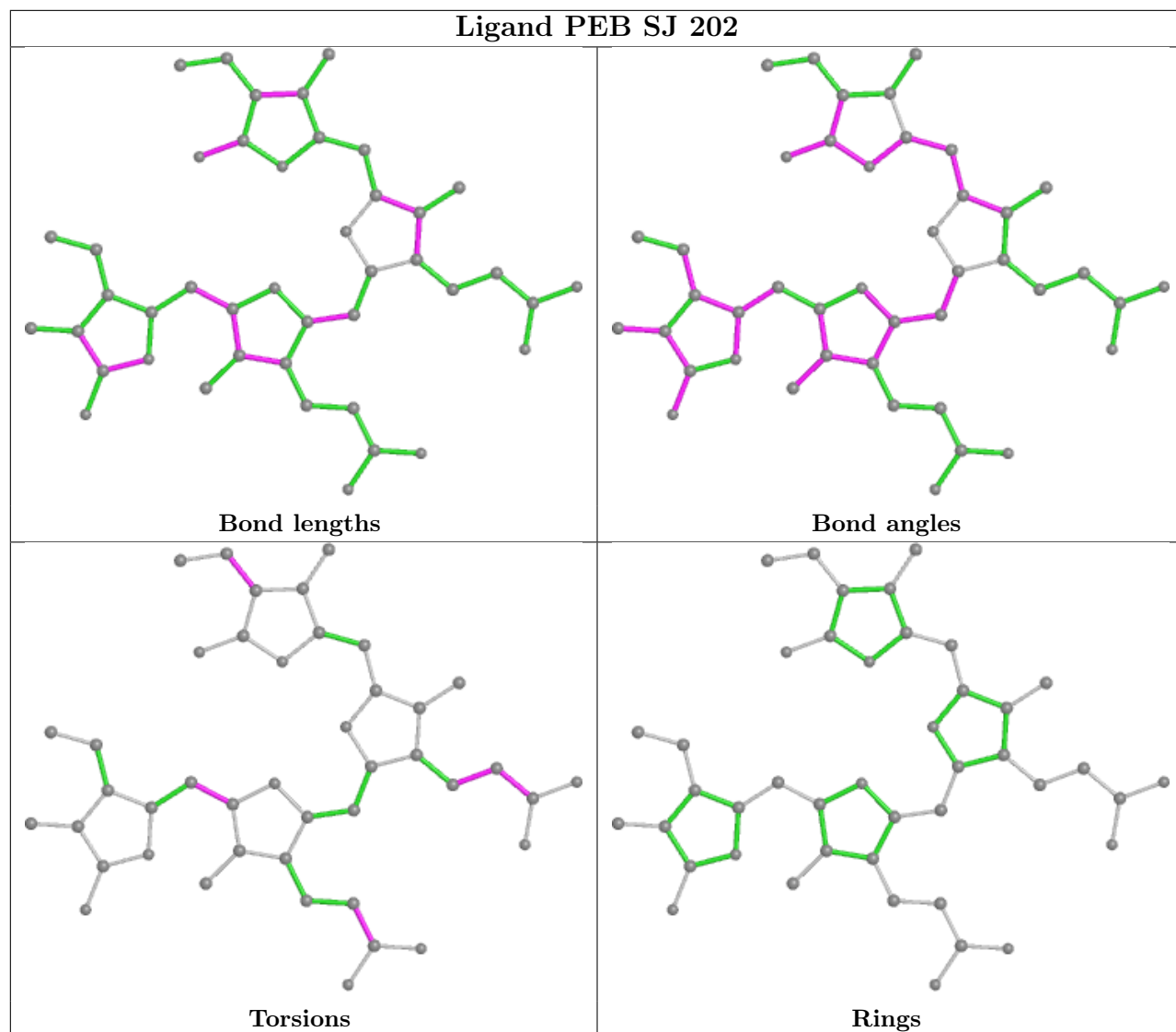


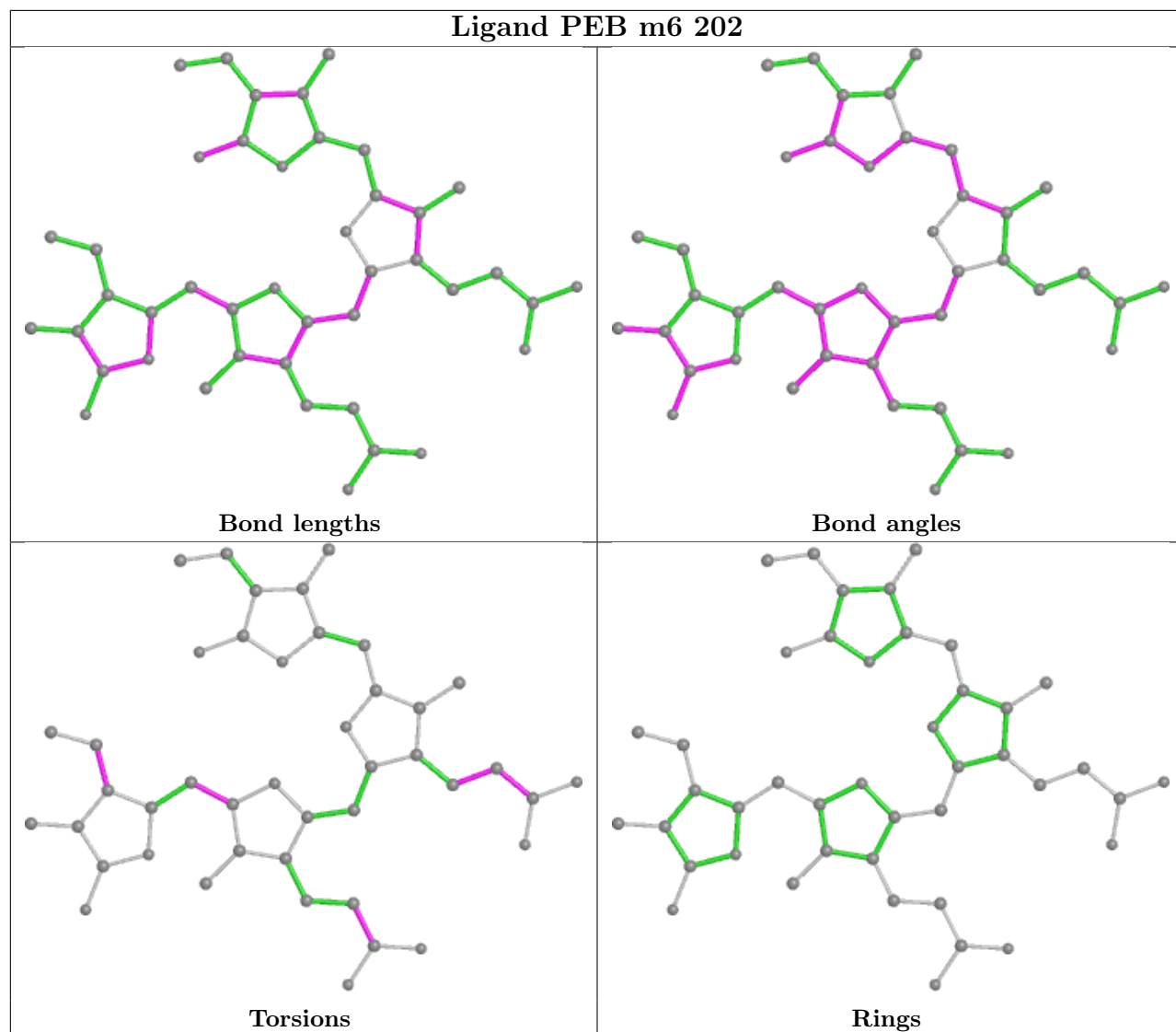


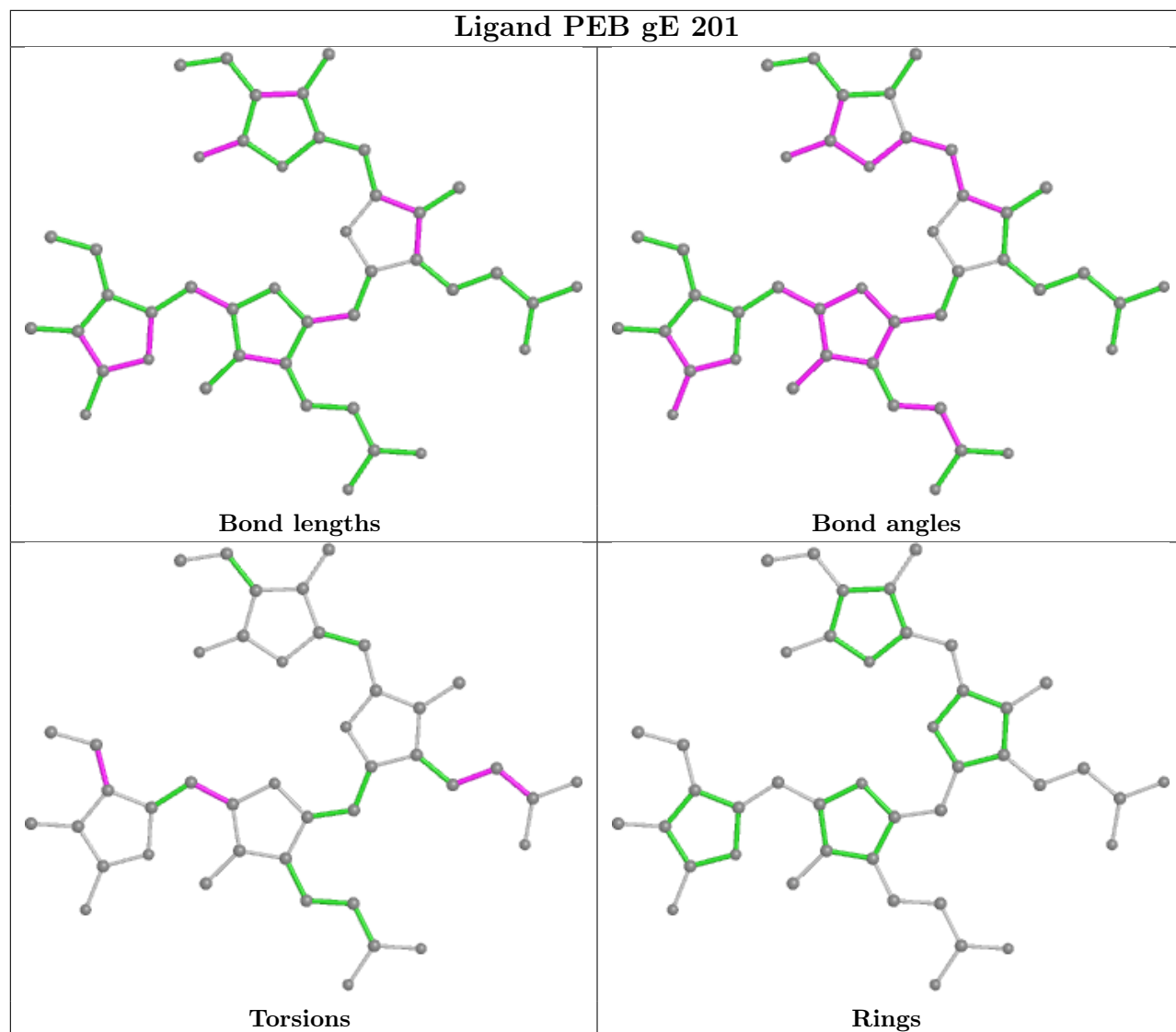


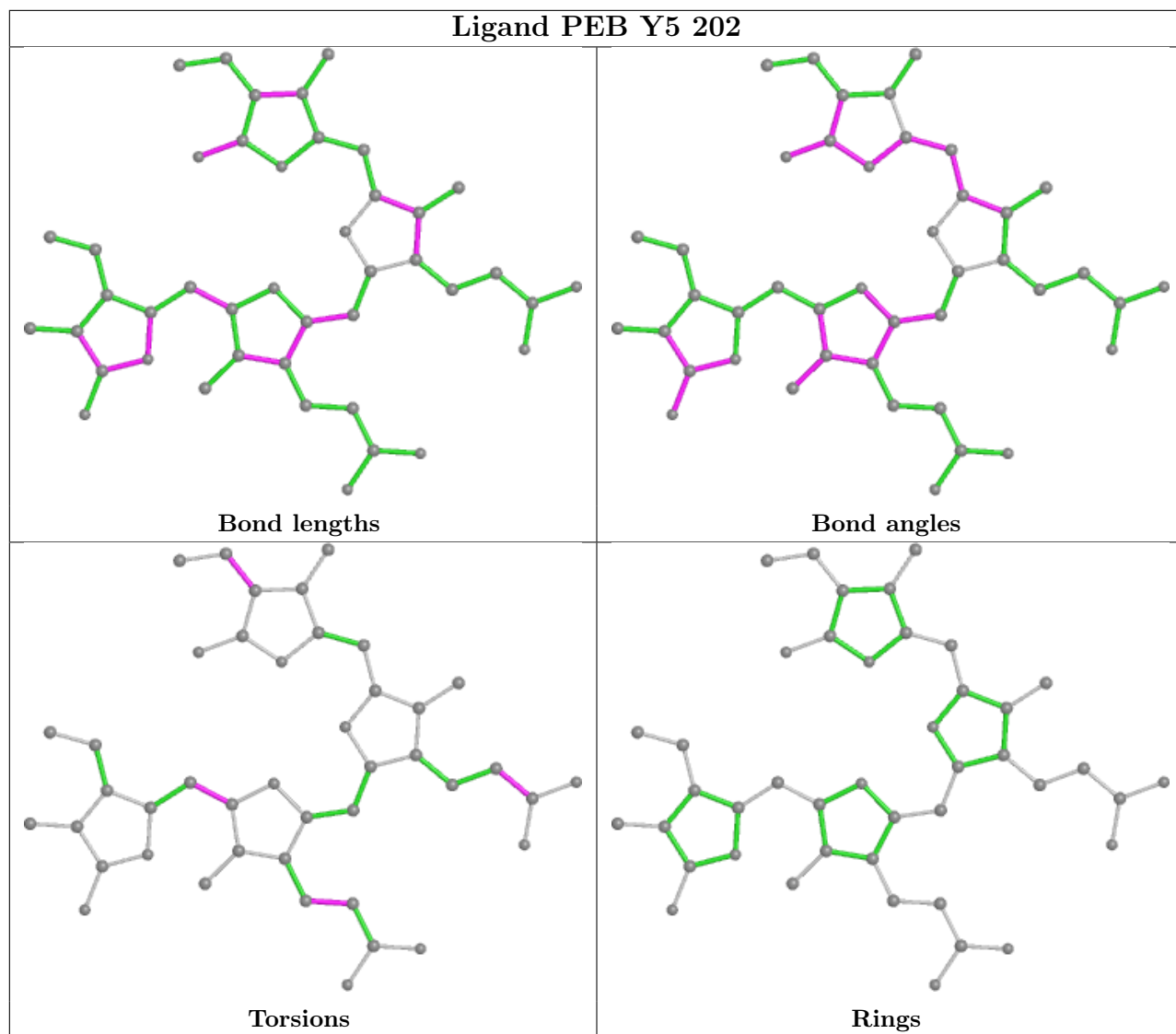


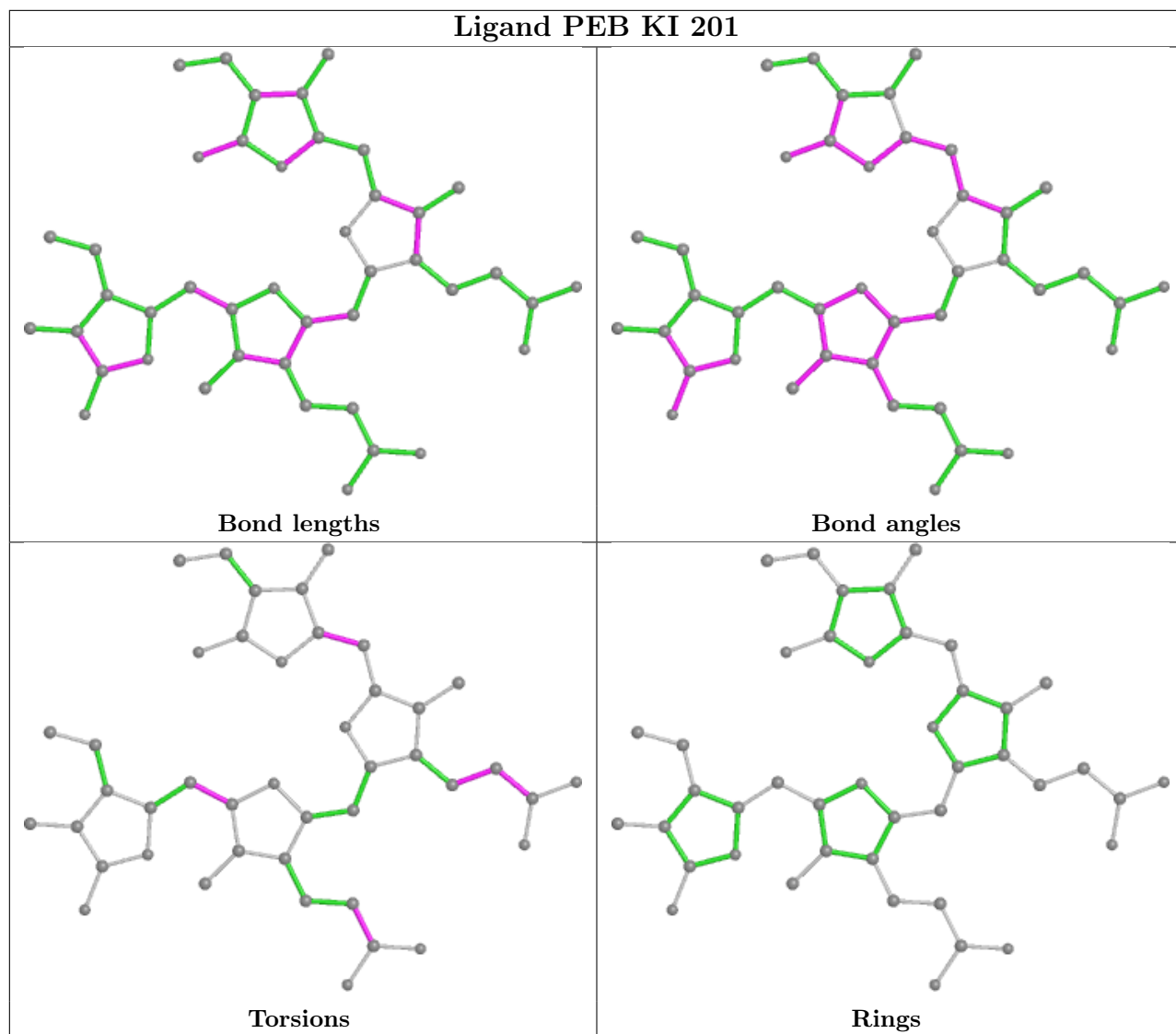


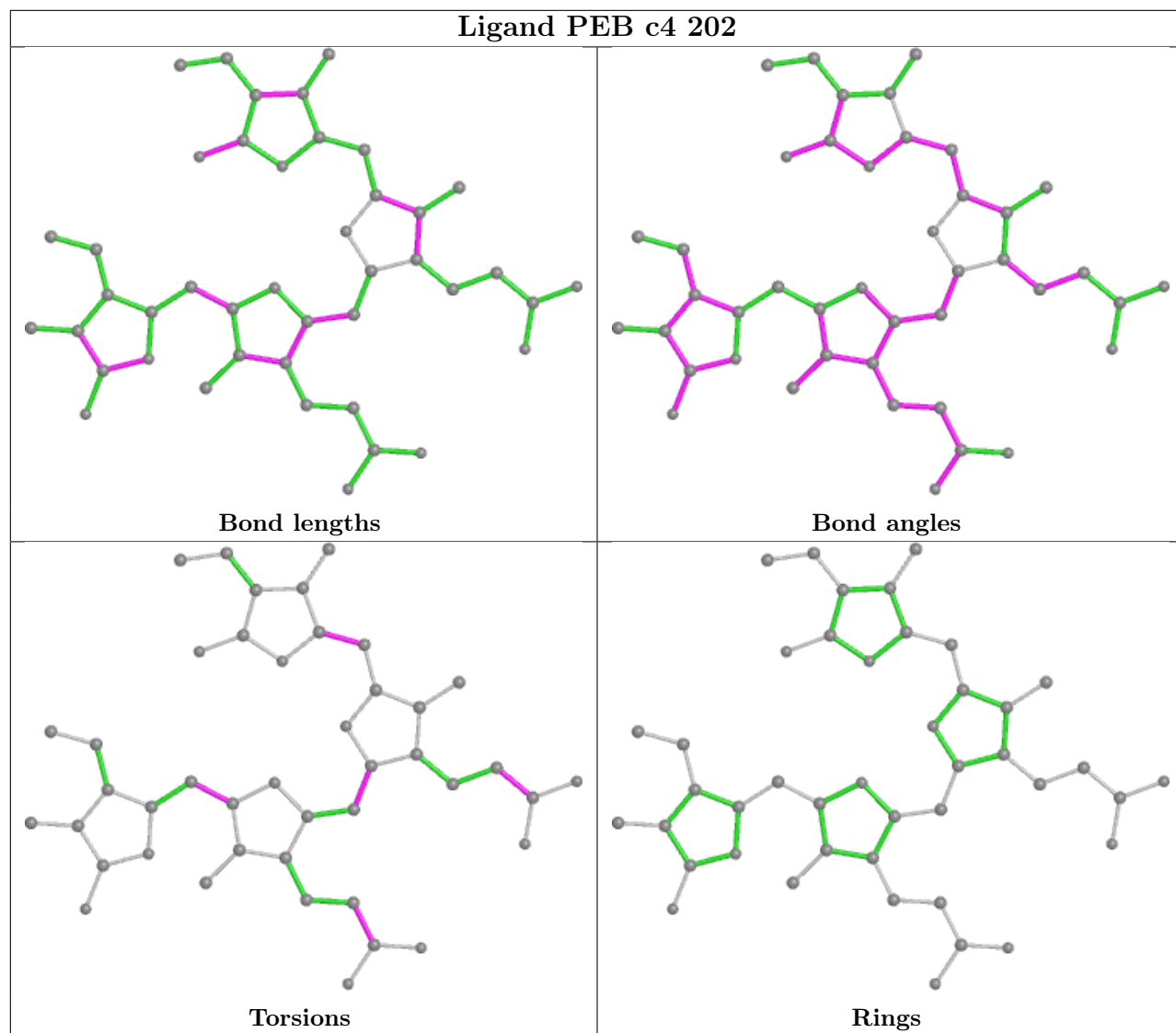


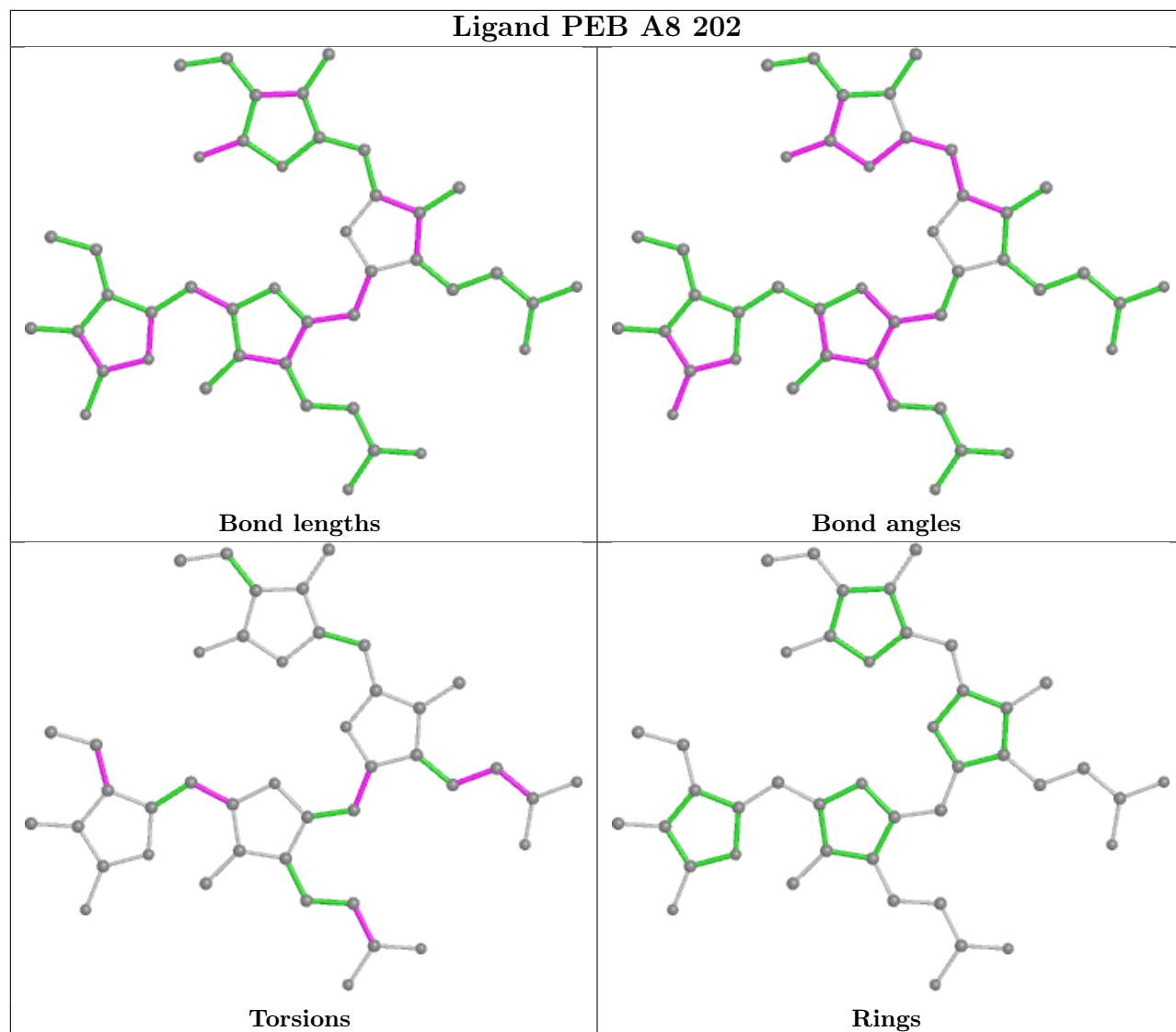


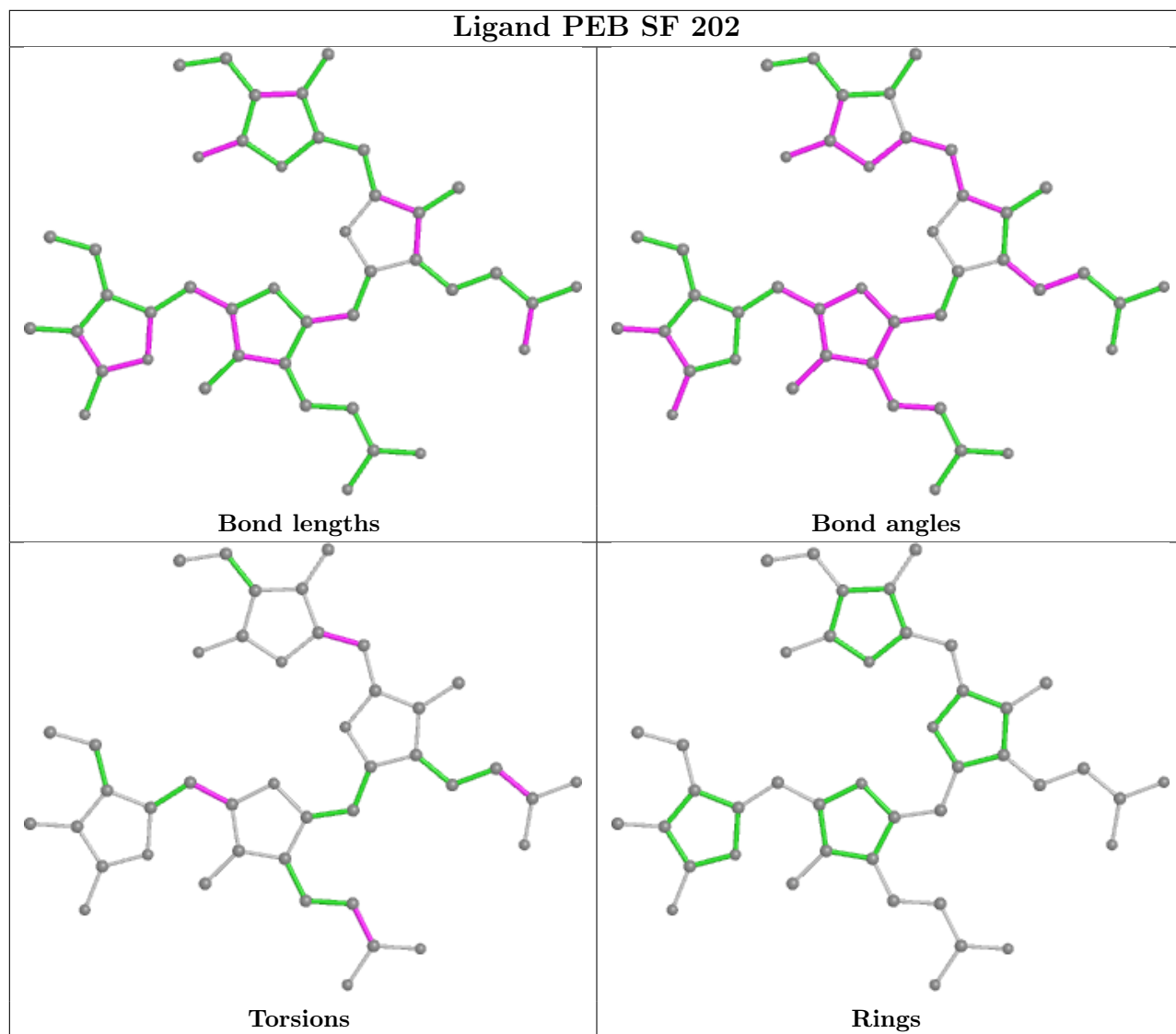


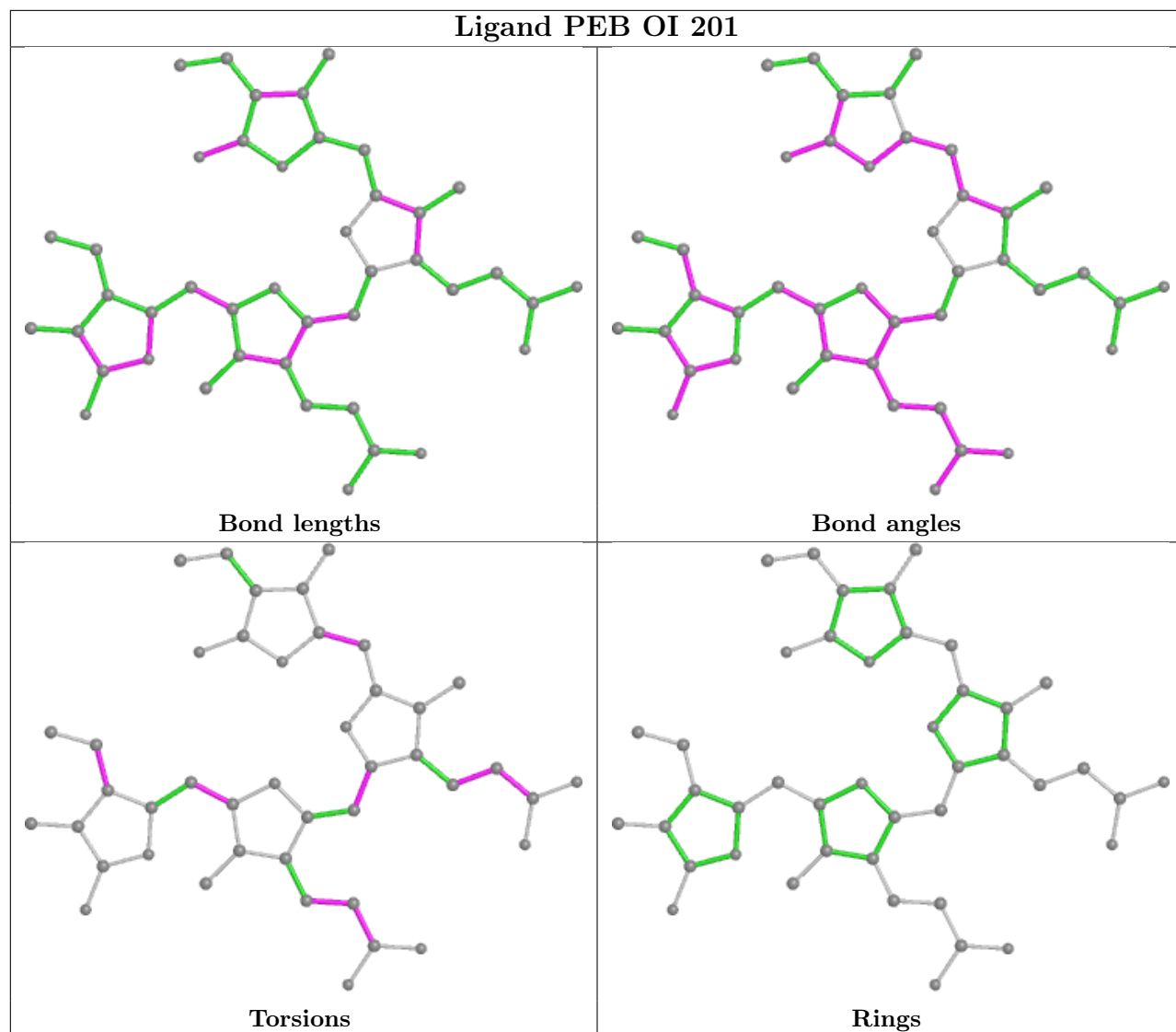


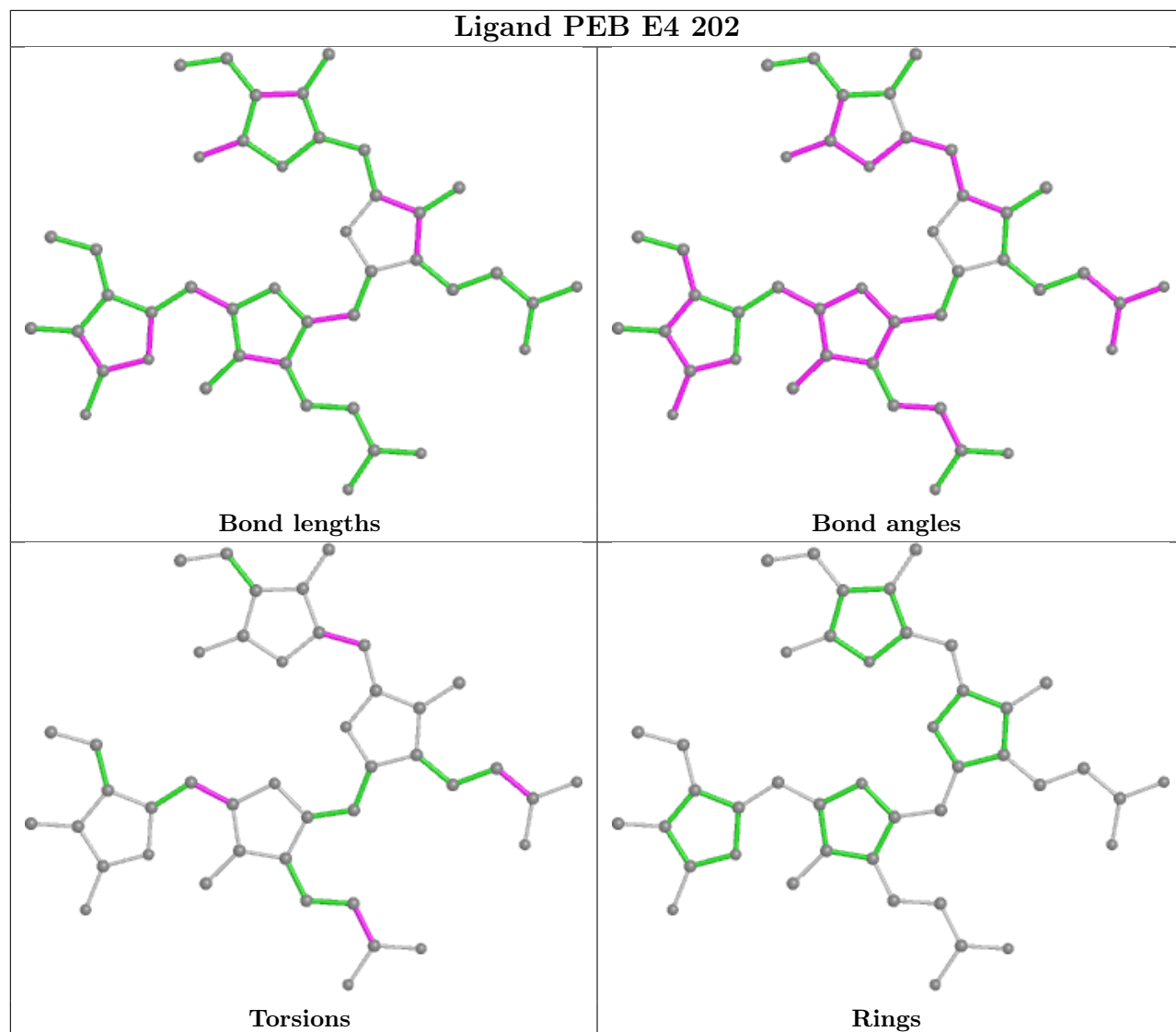


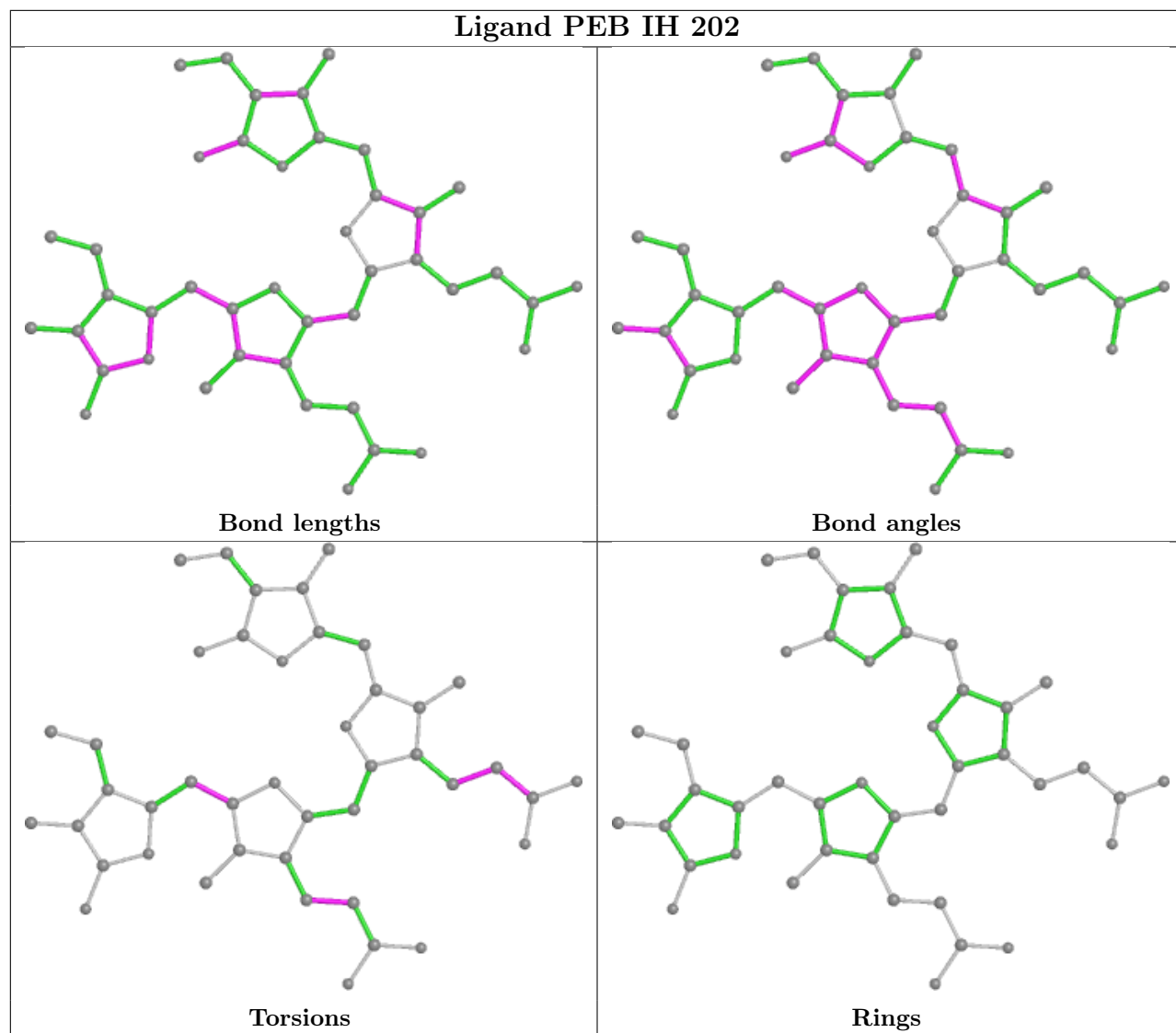


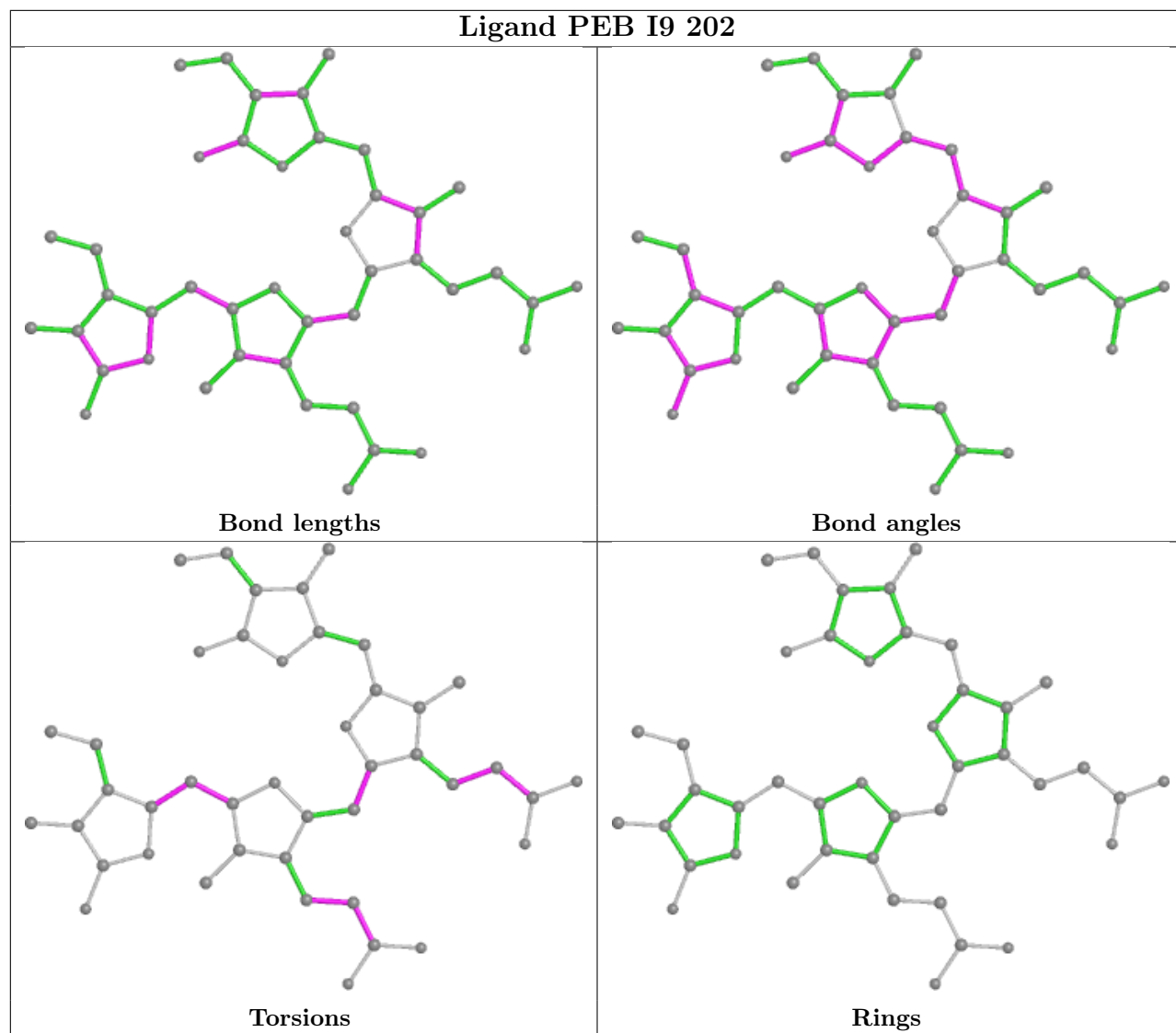


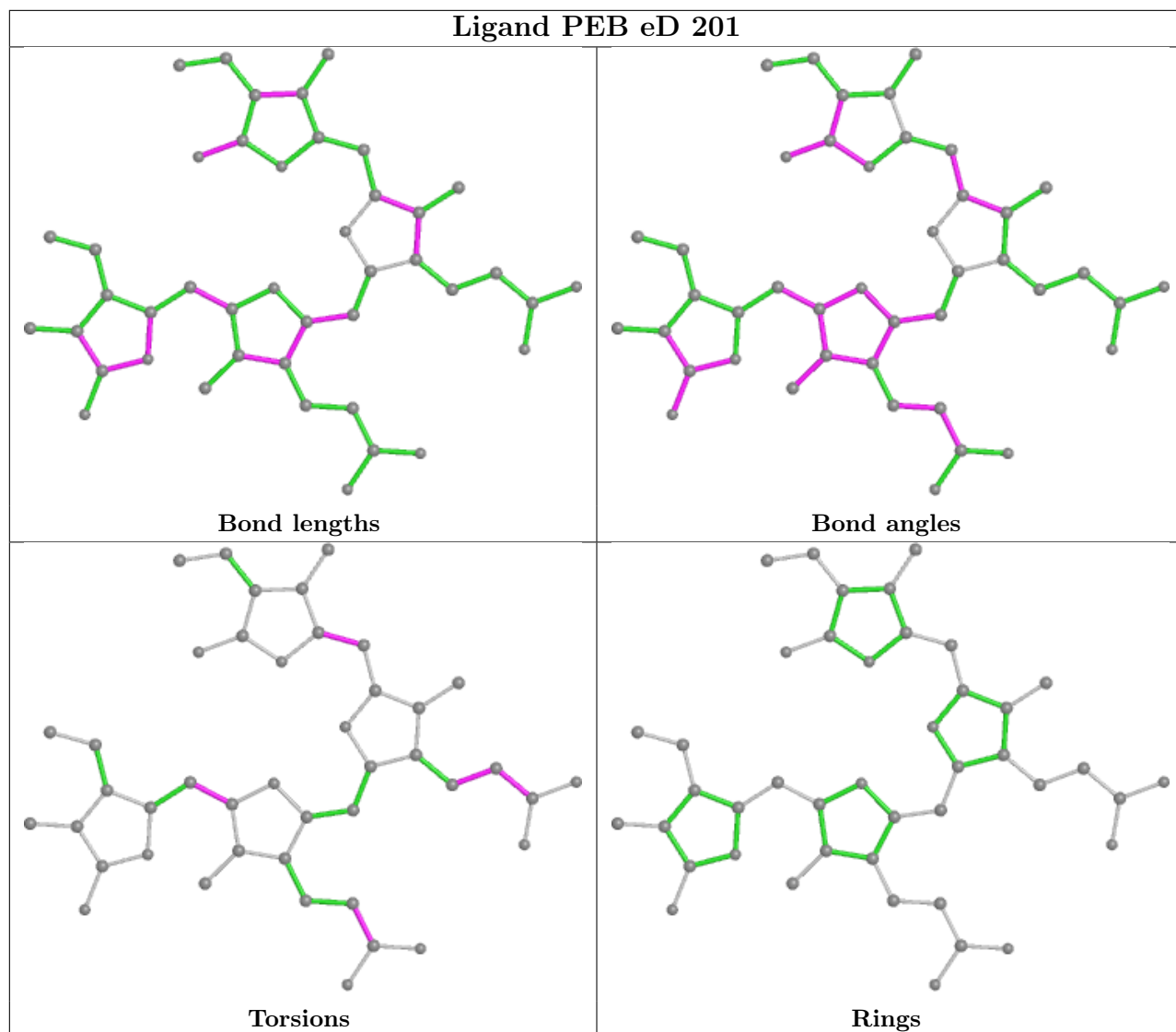


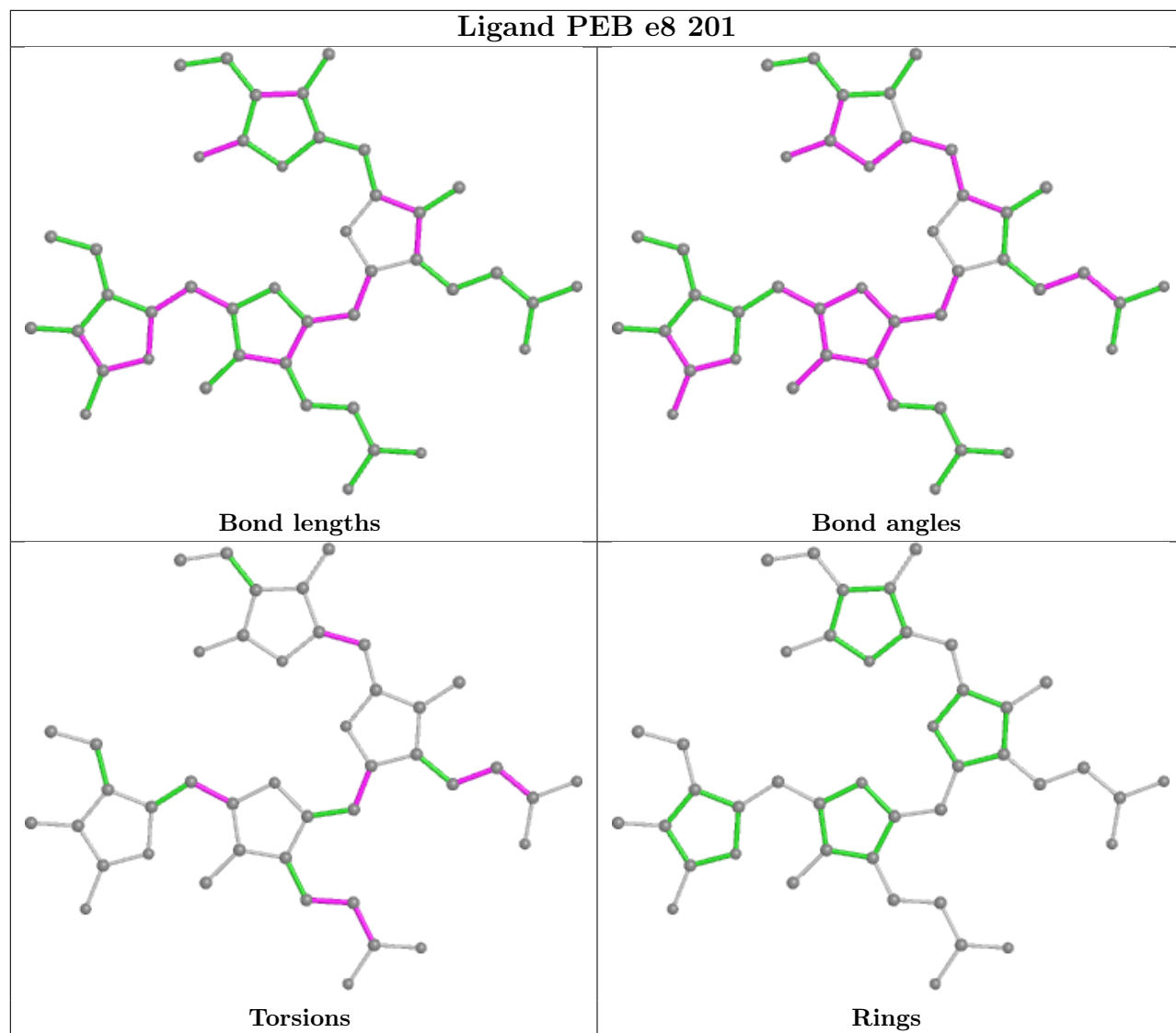


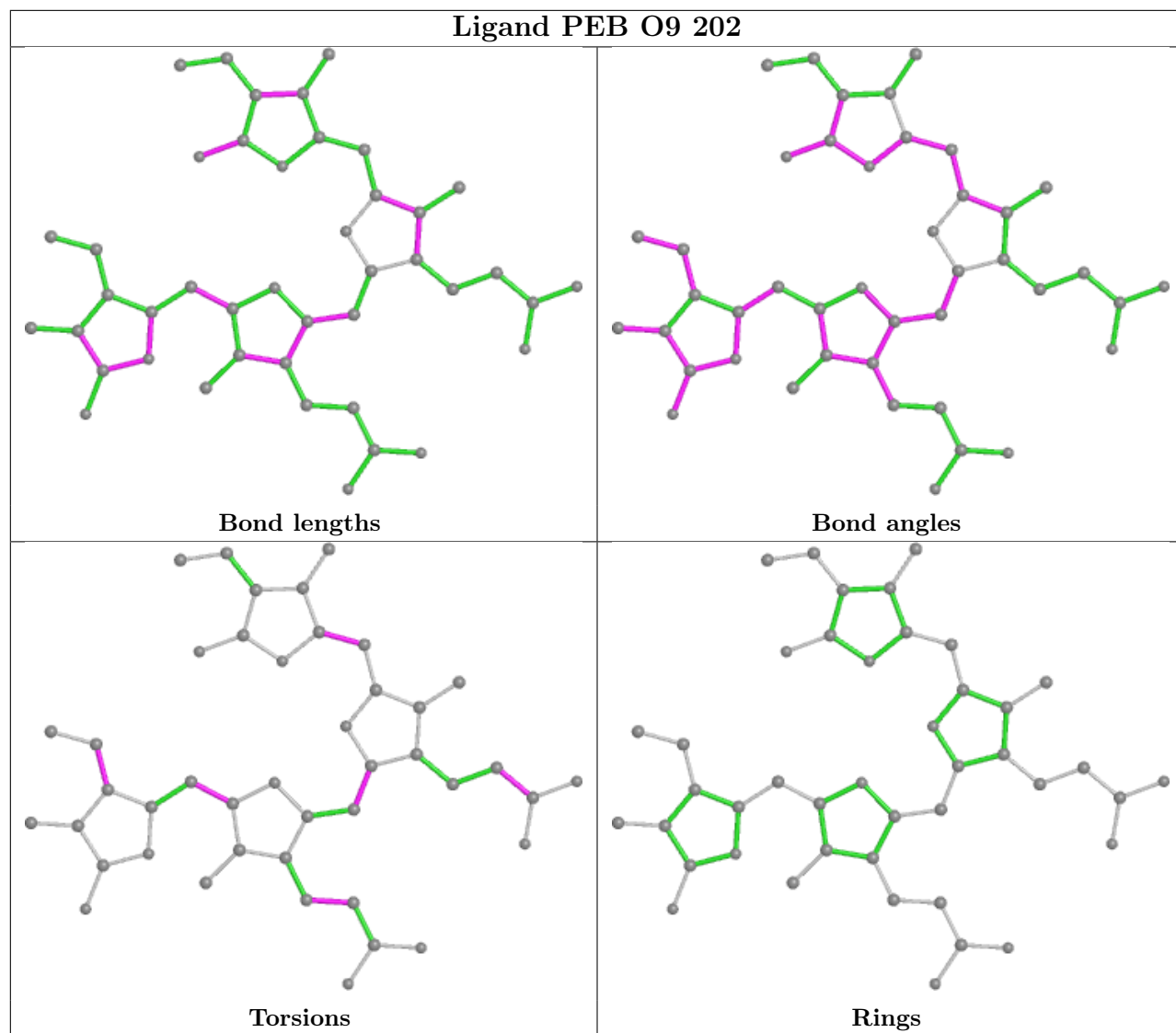


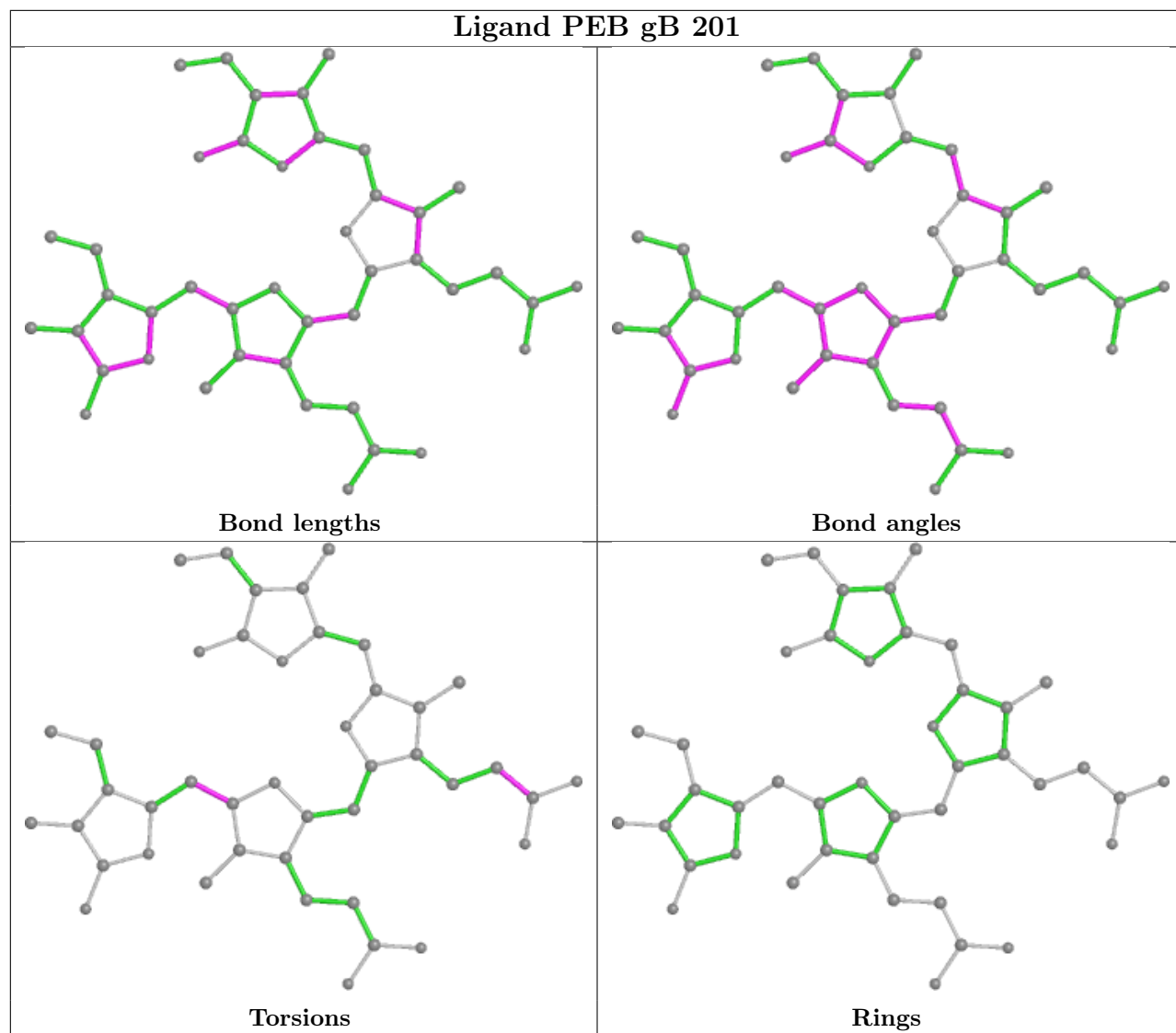












5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

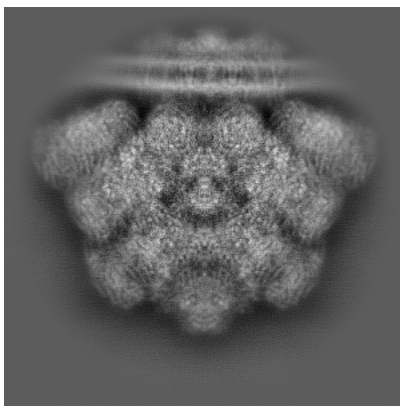
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-33605. These allow visual inspection of the internal detail of the map and identification of artifacts.

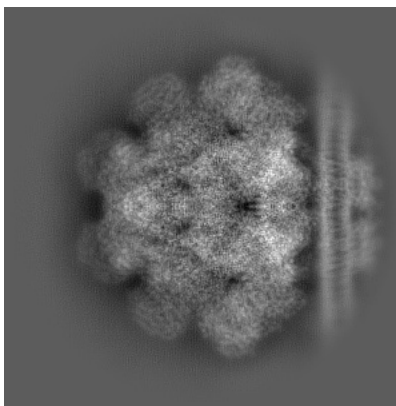
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

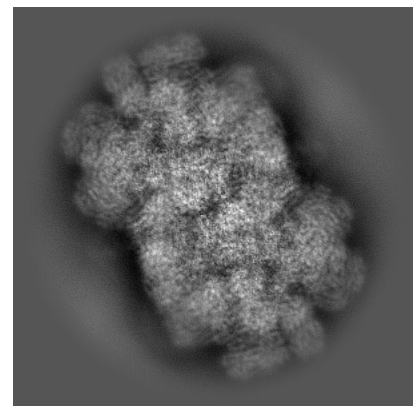
6.1.1 Primary map



X

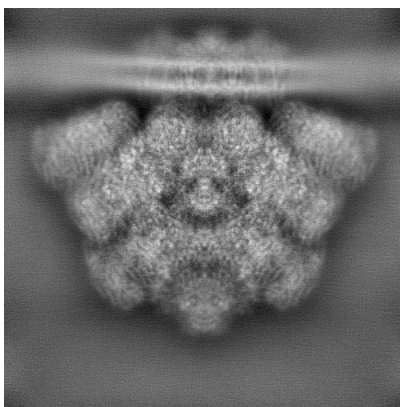


Y

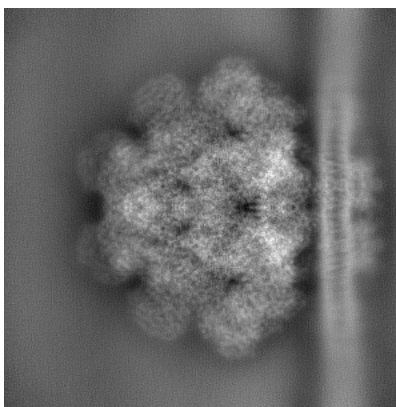


Z

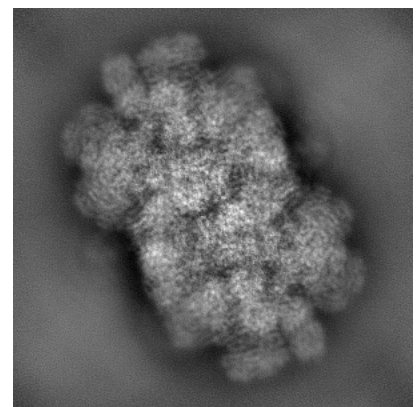
6.1.2 Raw map



X



Y

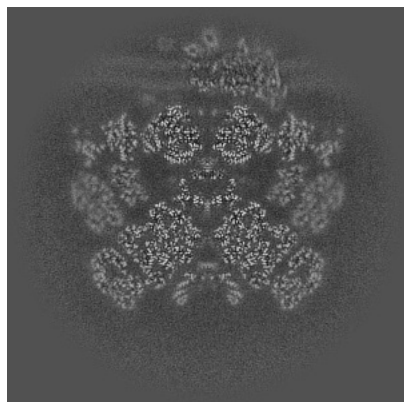


Z

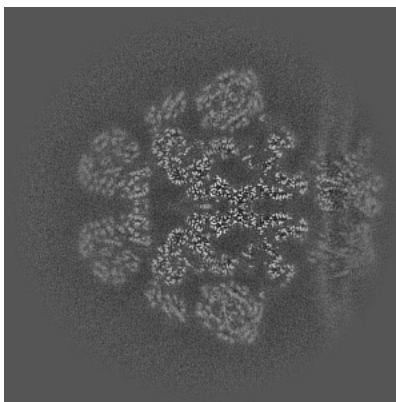
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

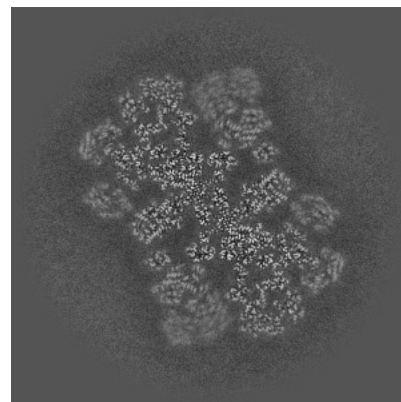
6.2.1 Primary map



X Index: 192

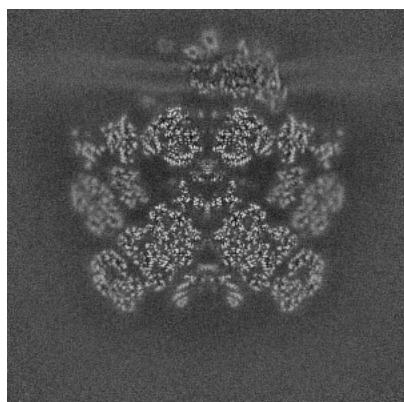


Y Index: 192

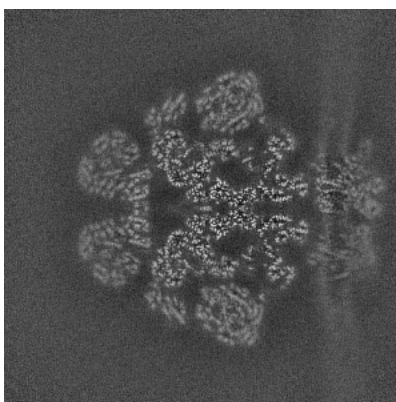


Z Index: 192

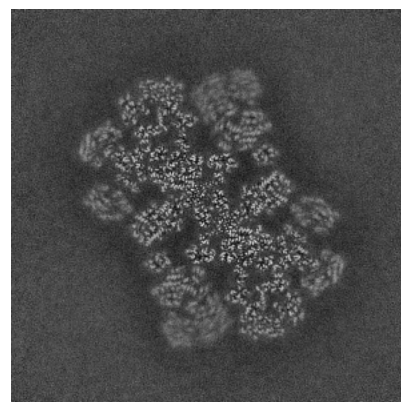
6.2.2 Raw map



X Index: 192



Y Index: 192

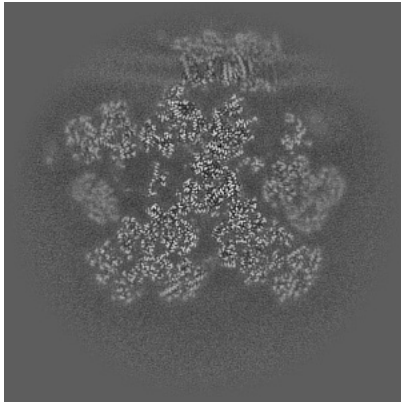


Z Index: 192

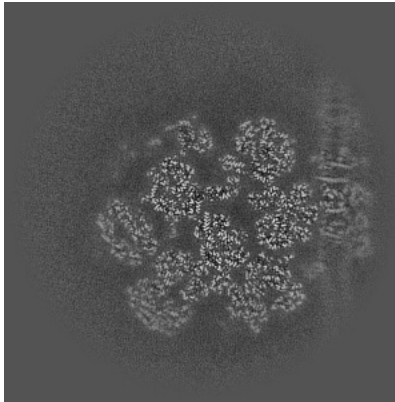
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

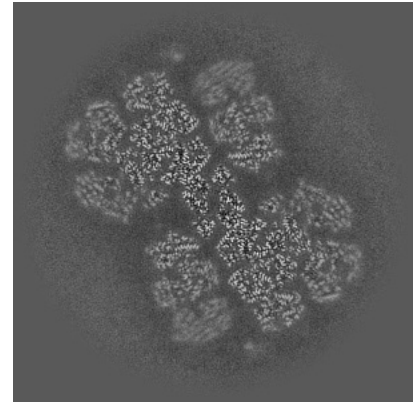
6.3.1 Primary map



X Index: 199

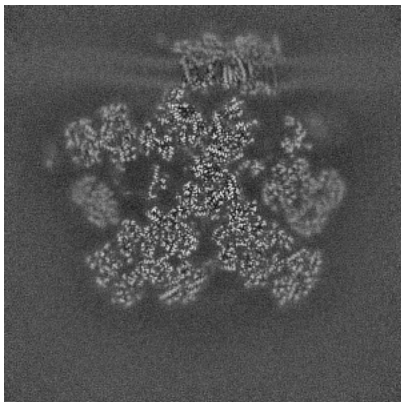


Y Index: 222

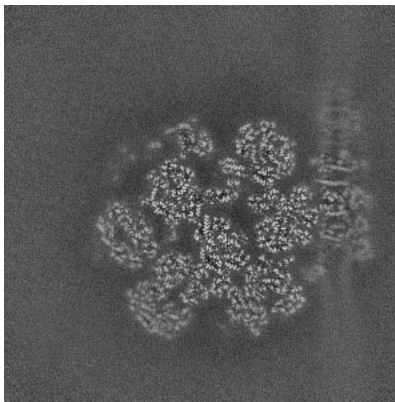


Z Index: 208

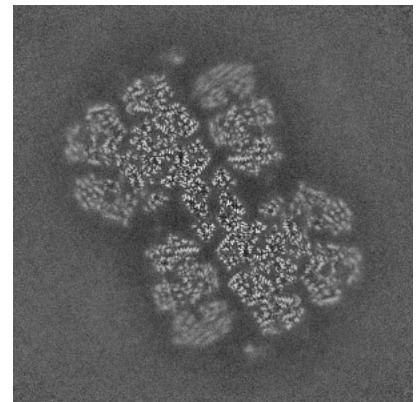
6.3.2 Raw map



X Index: 199



Y Index: 222

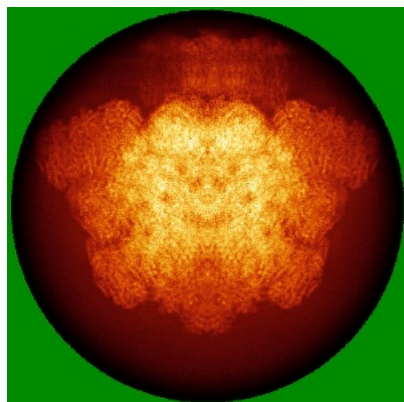


Z Index: 208

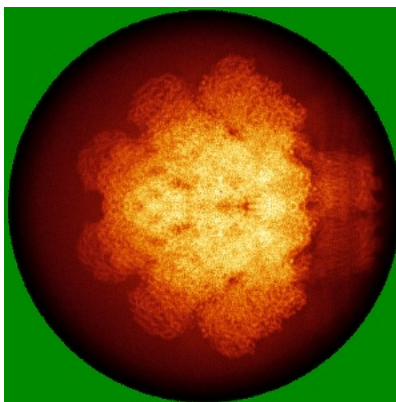
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) [i](#)

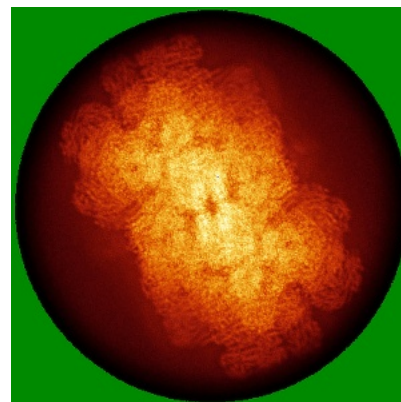
6.4.1 Primary map



X

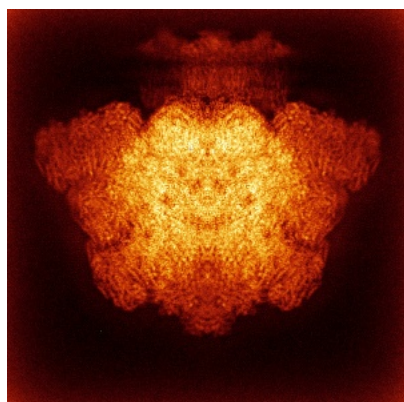


Y

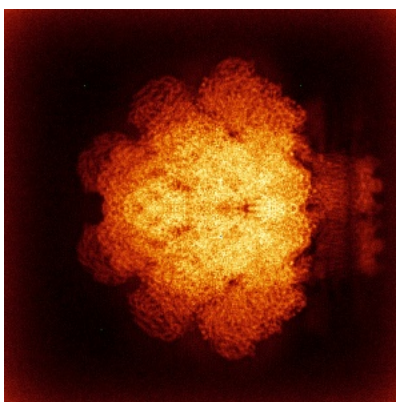


Z

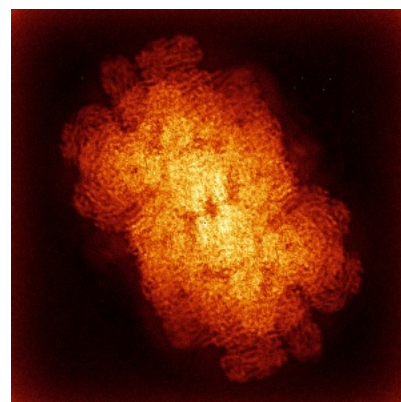
6.4.2 Raw map



X



Y

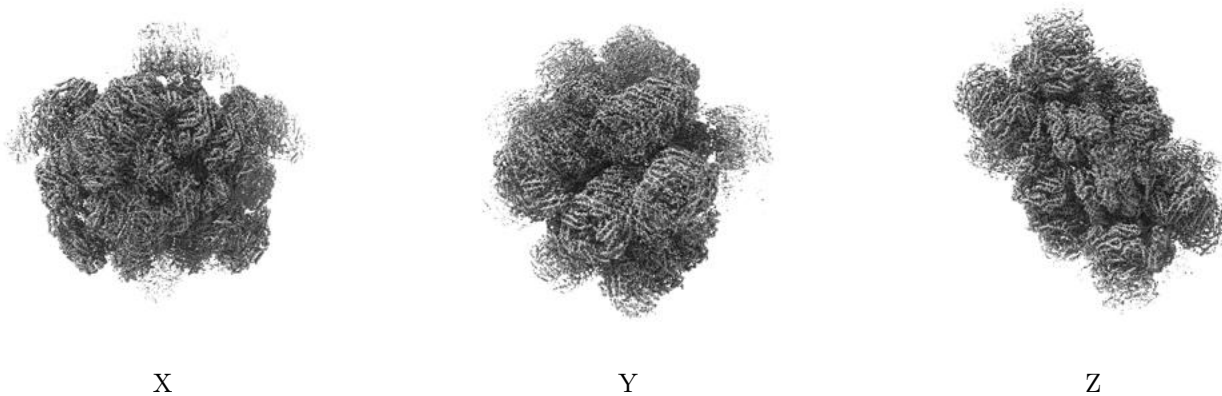


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

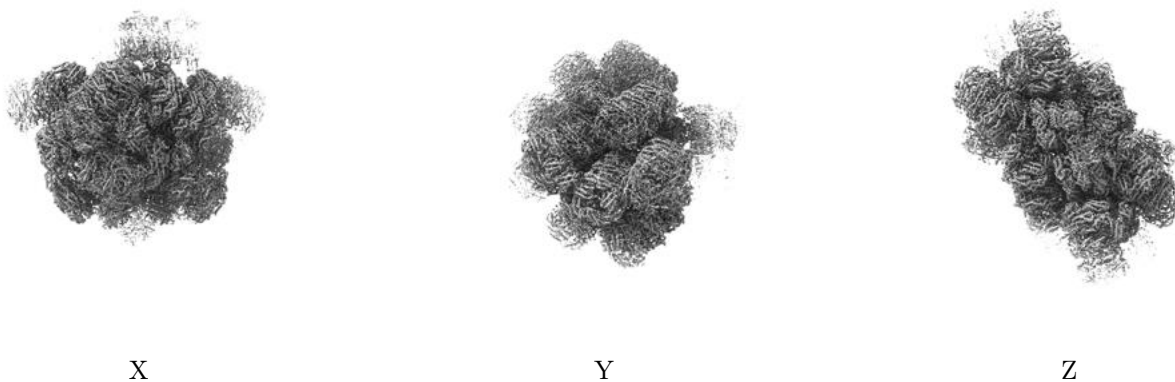
6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.36. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

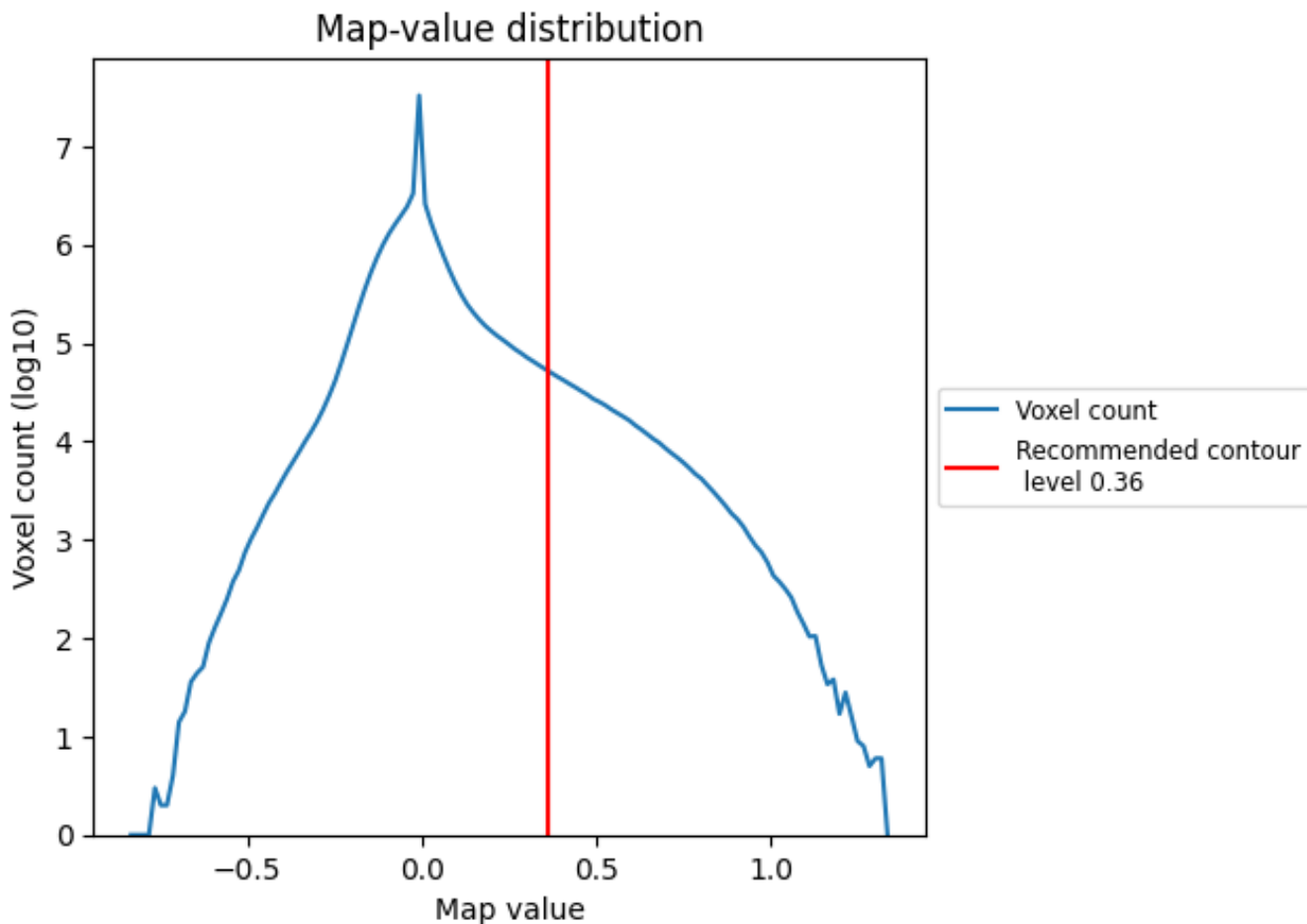
6.6 Mask visualisation [i](#)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis [i](#)

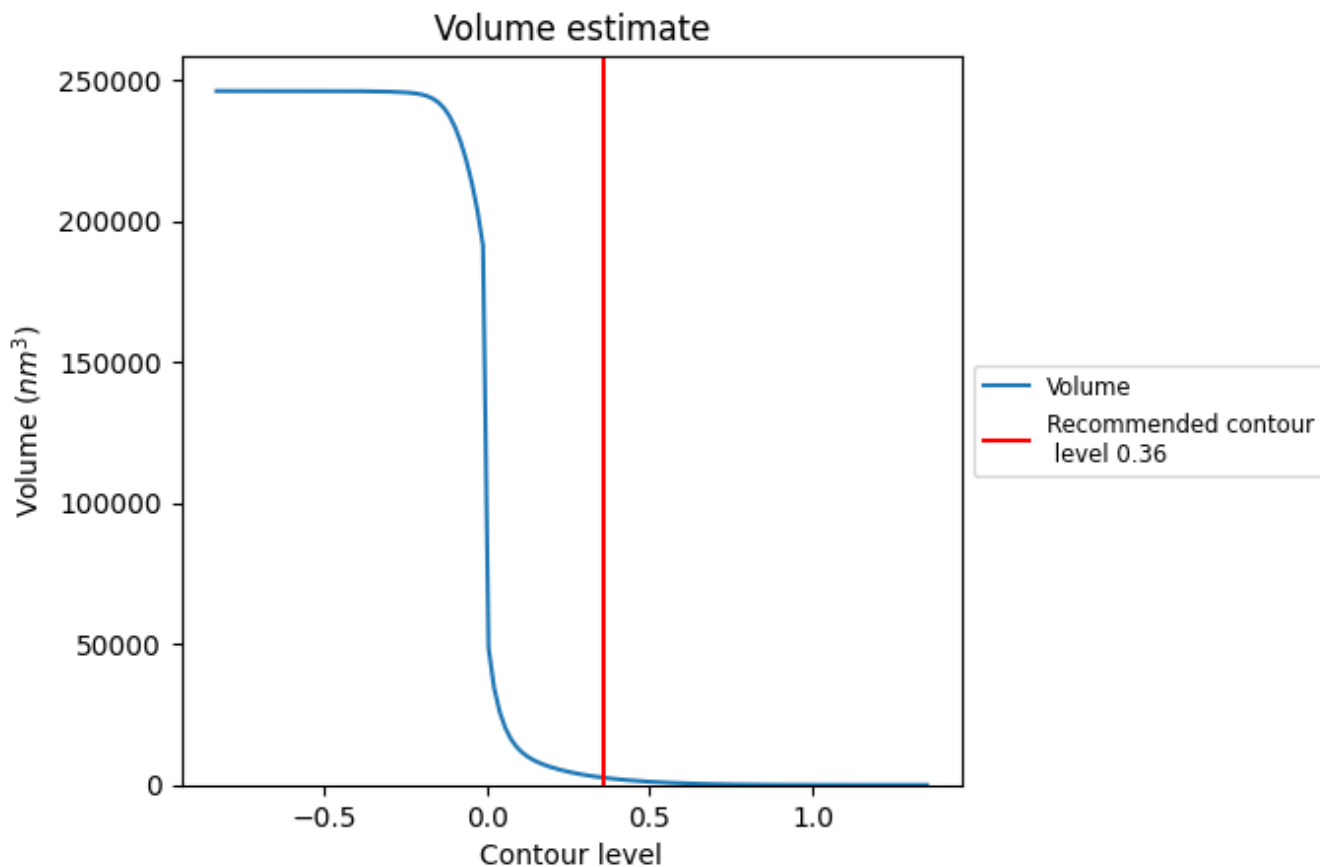
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

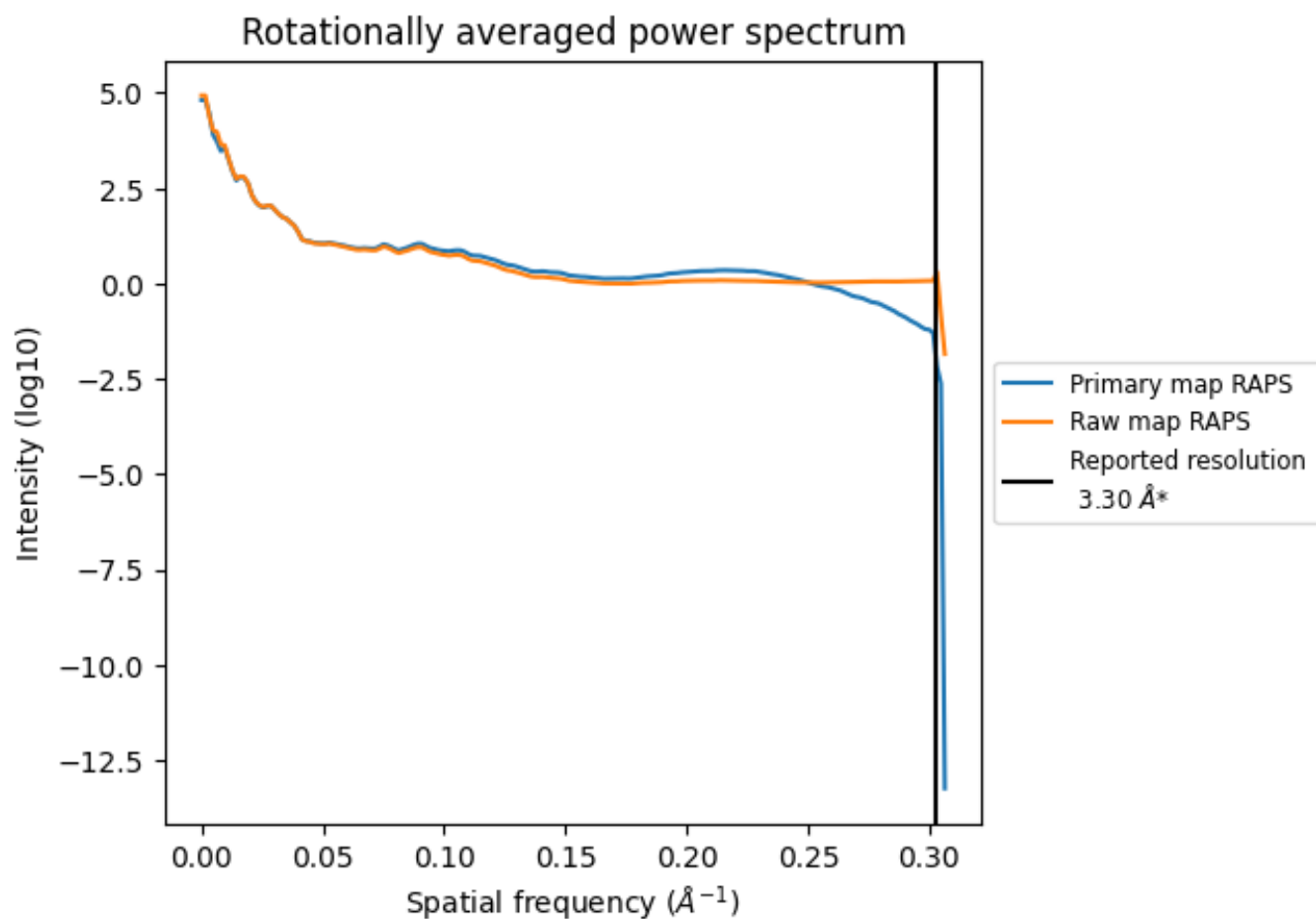
7.2 Volume estimate [\(i\)](#)



The volume at the recommended contour level is 2558 nm^3 ; this corresponds to an approximate mass of 2311 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum [i](#)

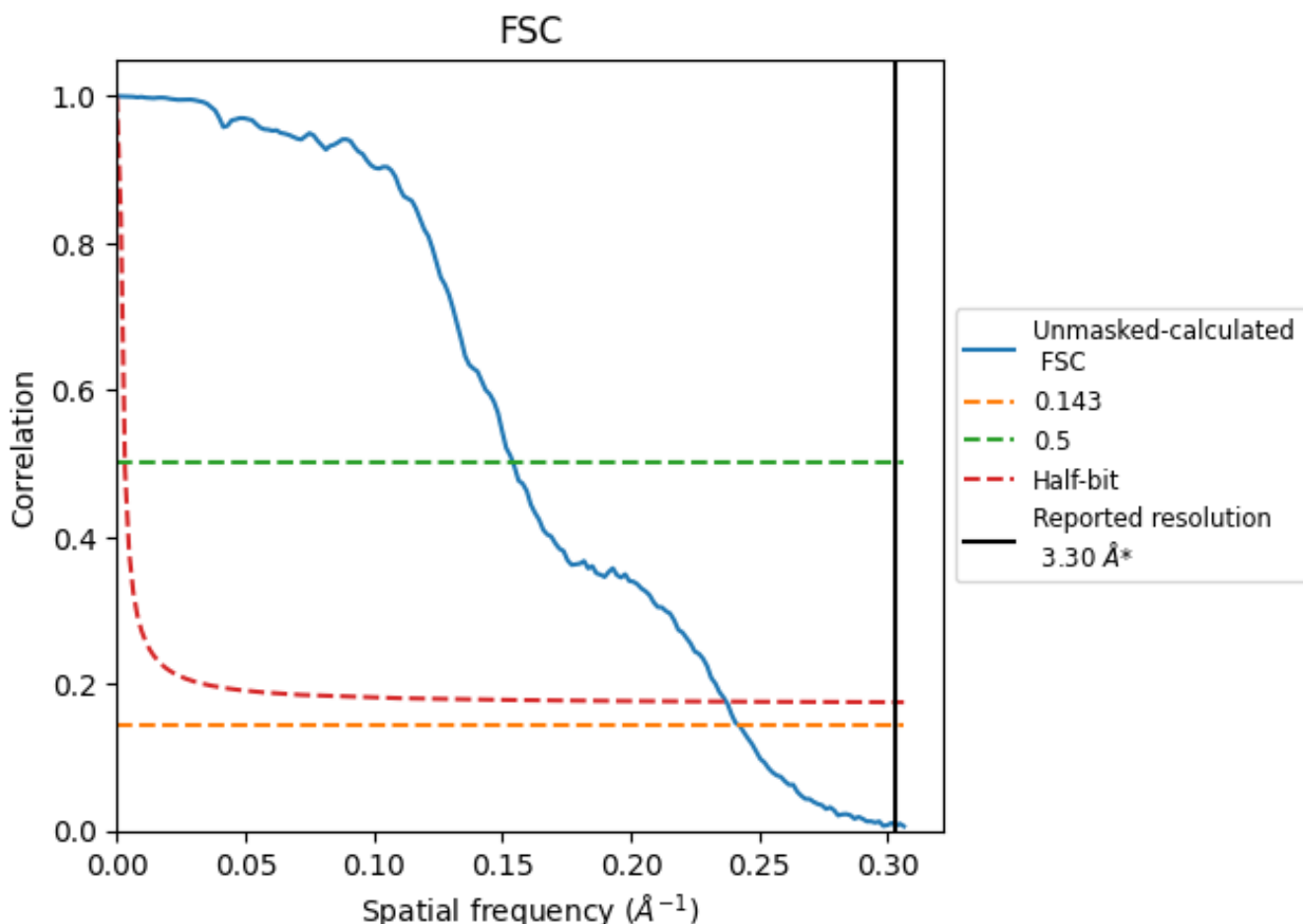


*Reported resolution corresponds to spatial frequency of 0.303 Å⁻¹

8 Fourier-Shell correlation [i](#)

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.303 Å⁻¹

8.2 Resolution estimates [i](#)

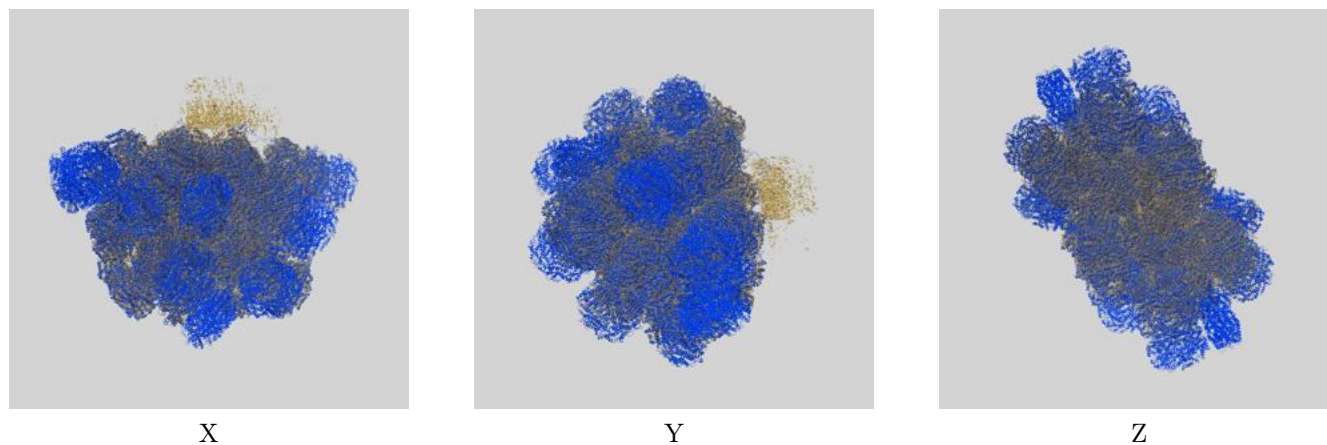
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	3.30	-	-
Author-provided FSC curve	-	-	-
Unmasked-calculated*	4.13	6.48	4.22

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 4.13 differs from the reported value 3.3 by more than 10 %

9 Map-model fit [i](#)

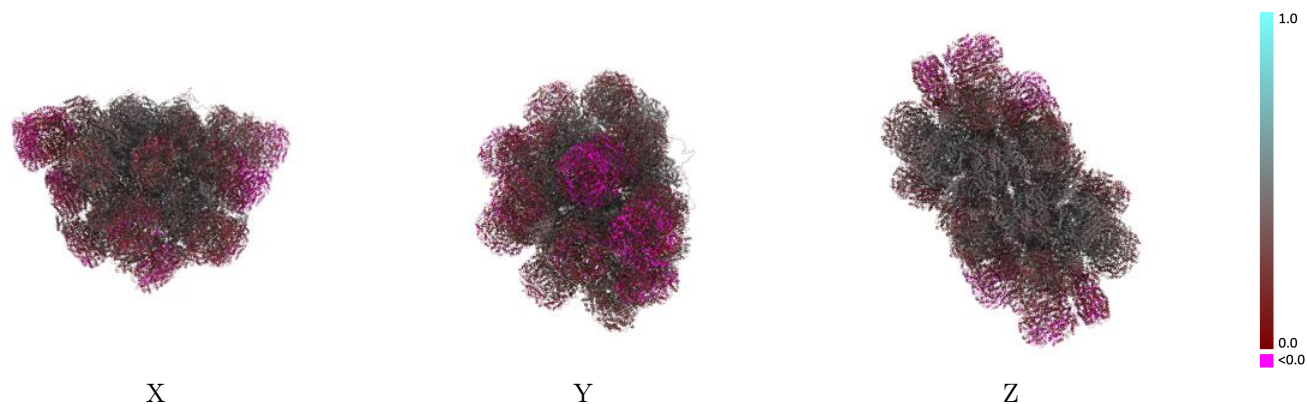
This section contains information regarding the fit between EMDB map EMD-33605 and PDB model 7Y4L. Per-residue inclusion information can be found in section 3 on page 148.

9.1 Map-model overlay [i](#)



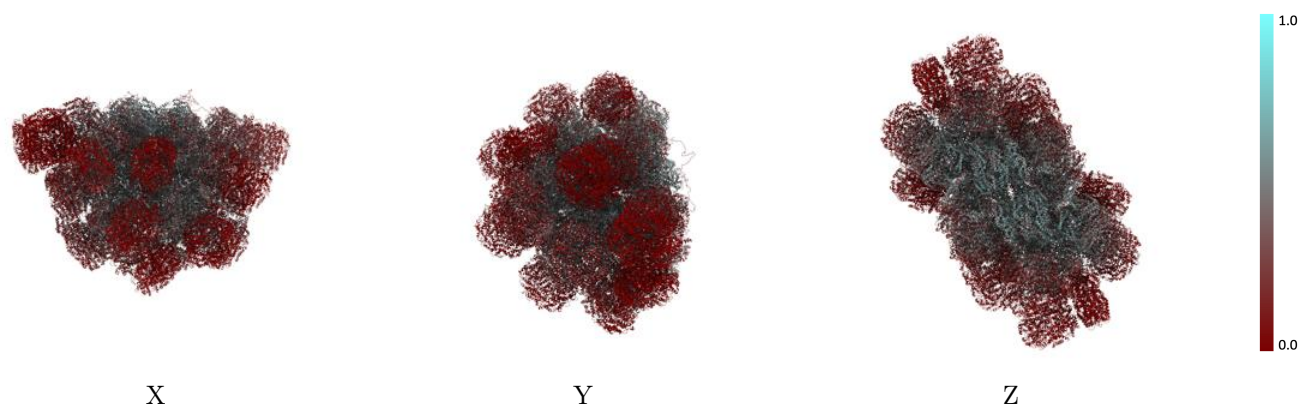
The images above show the 3D surface view of the map at the recommended contour level 0.36 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

9.2 Q-score mapped to coordinate model [i](#)



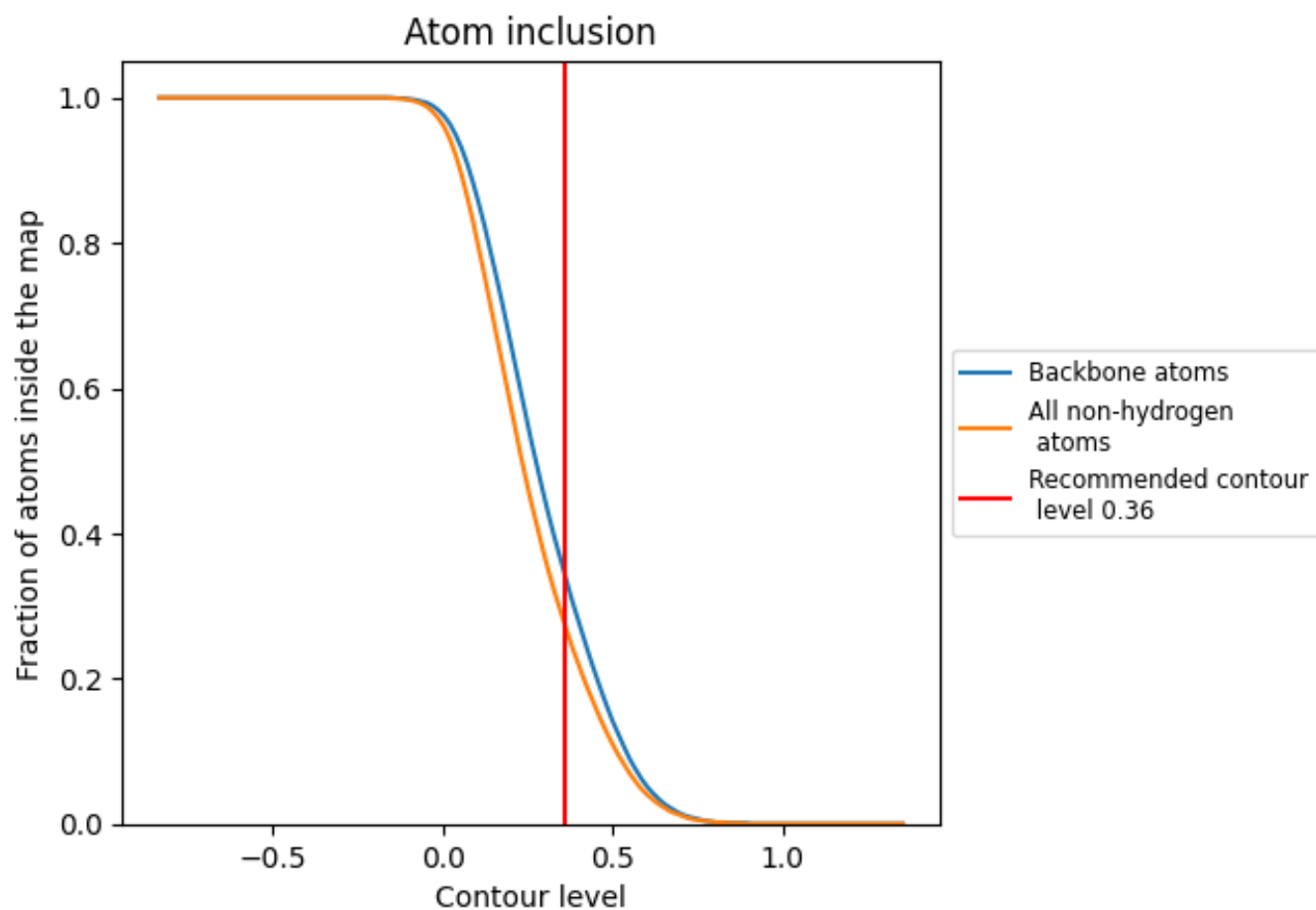
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

9.3 Atom inclusion mapped to coordinate model [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.36).







































































9.4 Atom inclusion [i](#)



At the recommended contour level, 34% of all backbone atoms, 27% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.36) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.2730	 0.3190
23	 0.4580	 0.4200
33	 0.4920	 0.4620
43	 0.5080	 0.4620
53	 0.2940	 0.3020
63	 0.5340	 0.4730
73	 0.5280	 0.4670
A1	 0.0230	 0.1710
A2	 0.0170	 0.1260
A3	 0.4830	 0.4290
A4	 0.1620	 0.3810
A5	 0.0080	 0.1970
A6	 0.2760	 0.2730
A7	 0.5000	 0.4520
A8	 0.3350	 0.3210
A9	 0.0150	 0.2390
AA	 0.4330	 0.4300
AB	 0.2900	 0.2760
AC	 0.0140	 0.1300
AD	 0.2390	 0.2760
AE	 0.2430	 0.2860
AF	 0.3480	 0.3410
AG	 0.0130	 0.1900
AH	 0.1670	 0.3890
AI	 0.0000	 0.0670
AJ	 0.0090	 0.1900
AK	 0.0200	 0.1620
B1	 0.0340	 0.1590
B2	 0.3760	 0.3580
B3	 0.5560	 0.4400
B4	 0.3850	 0.4520
B5	 0.1990	 0.3100
B6	 0.5330	 0.4150
B7	 0.4670	 0.4480
B8	 0.3630	 0.3650























































































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Chain	Atom inclusion	Q-score
B9	0.0380	0.3050
BA	0.3690	0.4570
BB	0.5370	0.4270
BC	0.3710	0.3570
BD	0.4870	0.4010
BE	0.5020	0.4220
BF	0.3810	0.3810
BG	0.0070	0.2120
BH	0.3900	0.4590
BI	0.0000	0.1260
BJ	0.2010	0.3100
BK	0.0420	0.1620
C1	0.0720	0.2500
C2	0.2230	0.2830
C3	0.5200	0.4040
C4	0.4620	0.4560
C5	0.2710	0.3700
C6	0.5500	0.4090
C7	0.3760	0.4080
C8	0.3520	0.3130
C9	0.0140	0.2000
CA	0.3210	0.3990
CB	0.5500	0.4160
CC	0.2180	0.2850
CD	0.4800	0.3840
CE	0.4870	0.3960
CF	0.3440	0.3220
CG	0.0370	0.2420
CH	0.4760	0.4610
CI	0.0000	0.0680
CJ	0.2710	0.3640
CK	0.0760	0.2500
D1	0.0710	0.2850
D2	0.2400	0.2940
D3	0.5410	0.4050
D4	0.3920	0.4340
D5	0.3230	0.3890
D6	0.5350	0.4490
D7	0.4720	0.4520
D8	0.3450	0.3230
D9	0.0190	0.2720
DA	0.4490	0.4680

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Chain	Atom inclusion	Q-score
DB	 0.5370	 0.4540
DC	 0.2210	 0.2940
DD	 0.4930	 0.4200
DE	 0.5050	 0.4280
DF	 0.3480	 0.3290
DG	 0.0550	 0.3000
DH	 0.4010	 0.4400
DI	 0.0000	 0.1170
DJ	 0.3170	 0.3900
DK	 0.0710	 0.2860
E1	 0.0360	 0.2260
E2	 0.4710	 0.4130
E3	 0.5120	 0.4130
E4	 0.4140	 0.4260
E5	 0.2770	 0.3790
E6	 0.5200	 0.3920
E7	 0.3540	 0.3880
E8	 0.4120	 0.3570
E9	 0.0380	 0.2580
EA	 0.4090	 0.4230
EB	 0.5200	 0.3880
EC	 0.4860	 0.4080
ED	 0.4960	 0.4060
EE	 0.4970	 0.4010
EF	 0.3970	 0.3620
EG	 0.0040	 0.2170
EH	 0.4000	 0.4220
EI	 0.0000	 0.1420
EJ	 0.2900	 0.3770
EK	 0.0290	 0.2090
F1	 0.0260	 0.1750
F2	 0.3720	 0.3970
F3	 0.5320	 0.4560
F4	 0.5070	 0.4630
F5	 0.2960	 0.3470
F6	 0.5320	 0.4190
F7	 0.4290	 0.4180
F8	 0.4870	 0.4290
F9	 0.1170	 0.3560
FA	 0.3620	 0.4310
FB	 0.5270	 0.4130
FC	 0.3780	 0.3970

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Chain	Atom inclusion	Q-score
FD	0.4810	0.4080
FE	0.4820	0.4100
FF	0.4740	0.4230
FG	0.0280	0.2640
FH	0.5010	0.4620
FI	0.0090	0.2770
FJ	0.2910	0.3630
FK	0.0270	0.1610
G1	0.0420	0.2280
G2	0.2910	0.2940
G3	0.5540	0.4330
G4	0.3640	0.4180
G5	0.1710	0.3100
G6	0.5470	0.4230
G7	0.3520	0.3790
G8	0.4680	0.3740
G9	0.0590	0.3090
GA	0.3810	0.4520
GB	0.5400	0.4280
GC	0.2850	0.2860
GD	0.5580	0.4340
GE	0.5510	0.4300
GF	0.4620	0.3600
GG	0.0830	0.3050
GH	0.3610	0.4090
GI	0.0030	0.1960
GJ	0.1780	0.3150
GK	0.0450	0.2290
H1	0.1290	0.3280
H2	0.3590	0.3440
H3	0.5290	0.4400
H4	0.3890	0.4520
H5	0.2230	0.2940
H6	0.5240	0.4270
H7	0.3510	0.4030
H8	0.4500	0.3630
H9	0.0460	0.2850
HA	0.3920	0.4530
HB	0.5240	0.4230
HC	0.3510	0.3290
HD	0.5170	0.4350
HE	0.5210	0.4330

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Chain	Atom inclusion	Q-score
HF	█ 0.4440	█ 0.3640
HG	█ 0.0720	█ 0.3130
HH	█ 0.3830	█ 0.4480
HI	█ 0.0010	█ 0.1820
HJ	█ 0.2340	█ 0.2940
HK	█ 0.1310	█ 0.3340
I1	█ 0.0340	█ 0.1720
I2	█ 0.3960	█ 0.3210
I3	█ 0.5630	█ 0.4590
I4	█ 0.4230	█ 0.4480
I5	█ 0.3760	█ 0.3910
I6	█ 0.4850	█ 0.3640
I7	█ 0.4430	█ 0.4300
I8	█ 0.4650	█ 0.4120
I9	█ 0.0510	█ 0.3070
IA	█ 0.4960	█ 0.4690
IB	█ 0.4940	█ 0.3680
IC	█ 0.3840	█ 0.3210
ID	█ 0.5200	█ 0.4030
IE	█ 0.5220	█ 0.4060
IF	█ 0.4670	█ 0.4050
IG	█ 0.0460	█ 0.2790
IH	█ 0.4140	█ 0.4410
II	█ 0.0060	█ 0.1600
IJ	█ 0.3770	█ 0.3940
IK	█ 0.0370	█ 0.1700
J1	█ 0.0250	█ 0.1600
J2	█ 0.3380	█ 0.3010
J3	█ 0.5190	█ 0.4390
J4	█ 0.4410	█ 0.4450
J5	█ 0.1400	█ 0.2560
J6	█ 0.4970	█ 0.3750
J7	█ 0.5210	█ 0.4680
J8	█ 0.4300	█ 0.4120
J9	█ 0.0390	█ 0.3360
JA	█ 0.4950	█ 0.4660
JB	█ 0.4870	█ 0.3740
JC	█ 0.3460	█ 0.3210
JD	█ 0.5170	█ 0.3800
JE	█ 0.5170	█ 0.3870
JF	█ 0.4270	█ 0.4090
JG	█ 0.0110	█ 0.2170

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Chain	Atom inclusion	Q-score
JH	0.4280	0.4390
JI	0.0000	0.1690
JJ	0.1430	0.2390
JK	0.0220	0.1630
K1	0.0400	0.1870
K2	0.3430	0.3590
K3	0.5080	0.4270
K4	0.4570	0.4700
K5	0.1360	0.2850
K6	0.4840	0.3430
K7	0.5290	0.4600
K8	0.4060	0.3570
K9	0.0210	0.2760
KA	0.3040	0.4210
KB	0.4780	0.3410
KC	0.3430	0.3570
KD	0.4530	0.3580
KE	0.4390	0.3350
KF	0.3970	0.3530
KG	0.0150	0.2230
KH	0.4750	0.4780
KI	0.0000	0.0900
KJ	0.1480	0.2880
KK	0.0400	0.1960
L1	0.0730	0.2700
L2	0.4340	0.3710
L3	0.5780	0.4490
L4	0.4940	0.4820
L5	0.1660	0.2770
L6	0.4780	0.3410
L7	0.4670	0.4440
L8	0.4630	0.3800
L9	0.0480	0.3190
LA	0.2260	0.3790
LB	0.4690	0.3360
LC	0.4400	0.3630
LD	0.4900	0.3760
LE	0.4860	0.3760
LF	0.4610	0.3700
LG	0.1260	0.3510
LH	0.4980	0.4850
LI	0.0000	0.1580

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Chain	Atom inclusion	Q-score
LJ	0.1710	0.2790
LK	0.0680	0.2670
M1	0.2830	0.3300
M2	0.2480	0.2630
M3	0.5060	0.4200
M4	0.5250	0.4820
M5	0.2090	0.2910
M6	0.5100	0.4020
M7	0.5120	0.4550
M8	0.2270	0.2690
M9	0.0890	0.3430
MA	0.3360	0.4050
MB	0.5330	0.4140
MC	0.2360	0.2590
MD	0.5160	0.3960
ME	0.5200	0.3960
MF	0.2490	0.2730
MG	0.1300	0.3430
MH	0.5310	0.4860
MI	0.0430	0.2350
MJ	0.2230	0.3080
MK	0.2860	0.3300
N1	0.3730	0.3770
N2	0.2590	0.2790
N3	0.5330	0.4510
N4	0.5440	0.4900
N5	0.0010	0.1170
N6	0.5110	0.3900
N7	0.4730	0.4480
N8	0.2470	0.3000
N9	0.0130	0.2110
NA	0.4310	0.4560
NB	0.5130	0.3950
NC	0.2460	0.2860
ND	0.4890	0.3990
NE	0.4700	0.3720
NF	0.2620	0.3180
NG	0.0110	0.2020
NH	0.5480	0.4940
NI	0.0000	0.0690
NJ	0.0020	0.0980
NK	0.3740	0.3760





















































































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Chain	Atom inclusion	Q-score
O1	0.4420	0.3940
O2	0.1540	0.2440
O3	0.5470	0.4400
O4	0.3440	0.4200
O5	0.0020	0.1040
O6	0.4320	0.3810
O7	0.3880	0.4060
O8	0.3070	0.3150
O9	0.0400	0.3000
OA	0.3650	0.4390
OB	0.4380	0.3870
OC	0.1390	0.2530
OD	0.4410	0.3990
OE	0.4490	0.4000
OF	0.3180	0.3250
OG	0.0190	0.2210
OH	0.3660	0.4230
OI	0.0000	0.1680
OJ	0.0020	0.1230
OK	0.4310	0.3810
P1	0.3800	0.3700
P2	0.2890	0.3610
P3	0.5470	0.4290
P4	0.2770	0.4160
P5	0.0070	0.1840
P6	0.4370	0.3900
P7	0.4740	0.4540
P8	0.3250	0.3410
P9	0.0180	0.2110
PA	0.4430	0.4460
PB	0.4540	0.3980
PC	0.2960	0.3720
PD	0.4690	0.4330
PE	0.4750	0.4320
PF	0.3430	0.3620
PG	0.0330	0.2480
PH	0.3090	0.4210
PI	0.0000	0.0730
PJ	0.0060	0.1880
PK	0.3830	0.3730
Q1	0.4490	0.4200
Q2	0.1750	0.2560

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Chain	Atom inclusion	Q-score
Q3	 0.5790	 0.4620
Q4	 0.3130	 0.4050
Q5	 0.0040	 0.2180
Q6	 0.4900	 0.4110
Q7	 0.3580	 0.3930
Q8	 0.3390	 0.3600
Q9	 0.0090	 0.2610
QA	 0.3920	 0.4390
QB	 0.4880	 0.4120
QC	 0.1760	 0.2630
QD	 0.3760	 0.3570
QE	 0.3850	 0.3540
QF	 0.3390	 0.3500
QG	 0.0660	 0.2920
QH	 0.3070	 0.3980
QI	 0.0000	 0.1280
QJ	 0.0050	 0.1970
QK	 0.4390	 0.4180
R1	 0.4120	 0.4090
R2	 0.1000	 0.2220
R3	 0.5360	 0.4360
R4	 0.3960	 0.4410
R5	 0.0030	 0.1330
R6	 0.5040	 0.4450
R7	 0.4280	 0.4280
R8	 0.3580	 0.3980
R9	 0.0470	 0.2490
RA	 0.2230	 0.3350
RB	 0.5200	 0.4460
RC	 0.0890	 0.2080
RD	 0.3780	 0.3760
RE	 0.3930	 0.3790
RF	 0.3550	 0.3850
RG	 0.0220	 0.2090
RH	 0.3940	 0.4400
RI	 0.0000	 0.1620
RJ	 0.0020	 0.1130
RK	 0.4030	 0.4080
S1	 0.4300	 0.4090
S2	 0.1950	 0.2700
S3	 0.5810	 0.4490
S4	 0.2520	 0.4060

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Chain	Atom inclusion	Q-score
S5	0.0030	0.0870
S6	0.4800	0.4000
S7	0.3600	0.3900
S8	0.4030	0.4050
S9	0.1040	0.3480
SA	0.5040	0.4760
SB	0.4720	0.3990
SC	0.2080	0.2720
SD	0.3730	0.3570
SE	0.3790	0.3540
SF	0.4090	0.3880
SG	0.0370	0.2640
SH	0.2420	0.3970
SI	0.0070	0.2910
SJ	0.0040	0.1090
SK	0.4290	0.4110
T1	0.4840	0.4290
T2	0.2210	0.3060
T3	0.5560	0.4280
T4	0.3650	0.4420
T5	0.0040	0.1130
T6	0.4670	0.4040
T7	0.3630	0.4070
T8	0.4240	0.4200
T9	0.0720	0.3000
TA	0.4870	0.4650
TB	0.4540	0.4010
TC	0.2190	0.3090
TD	0.4550	0.4140
TE	0.4670	0.4150
TF	0.4230	0.4150
TG	0.0780	0.3140
TH	0.3730	0.4460
TI	0.0010	0.1930
TJ	0.0040	0.1110
TK	0.4910	0.4330
U1	0.3270	0.3520
U2	0.1090	0.2100
U3	0.5910	0.4680
U4	0.3750	0.4470
U5	0.0200	0.2490
U6	0.4980	0.4100





















































































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Chain	Atom inclusion	Q-score
U7	█ 0.4530	█ 0.4320
U8	█ 0.3980	█ 0.3830
U9	█ 0.0390	█ 0.2800
UA	█ 0.2940	█ 0.3960
UB	█ 0.4900	█ 0.4040
UC	█ 0.1070	█ 0.2060
UD	█ 0.3760	█ 0.3470
UE	█ 0.3830	█ 0.3480
UF	█ 0.4070	█ 0.3860
UG	█ 0.0770	█ 0.3100
UH	█ 0.3900	█ 0.4420
UI	█ 0.0010	█ 0.2030
UJ	█ 0.0140	█ 0.2350
UK	█ 0.3370	█ 0.3570
V1	█ 0.2940	█ 0.3420
V2	█ 0.1140	█ 0.2080
V3	█ 0.5190	█ 0.4390
V4	█ 0.2960	█ 0.4240
V5	█ 0.0010	█ 0.1090
V6	█ 0.5100	█ 0.4490
V7	█ 0.5240	█ 0.4700
V8	█ 0.3210	█ 0.3420
V9	█ 0.0520	█ 0.3030
VA	█ 0.2230	█ 0.3580
VB	█ 0.5190	█ 0.4470
VC	█ 0.1230	█ 0.2340
VD	█ 0.3410	█ 0.3380
VE	█ 0.3450	█ 0.3340
VF	█ 0.3260	█ 0.3450
VG	█ 0.0460	█ 0.2830
VH	█ 0.3090	█ 0.4230
VI	█ 0.0060	█ 0.1420
VJ	█ 0.0020	█ 0.0970
VK	█ 0.2890	█ 0.3450
W1	█ 0.3070	█ 0.3180
W2	█ 0.1140	█ 0.2290
W3	█ 0.5590	█ 0.4510
W4	█ 0.5000	█ 0.4810
W5	█ 0.0000	█ 0.1130
W6	█ 0.4700	█ 0.3920
W7	█ 0.5340	█ 0.4670
W8	█ 0.3270	█ 0.3270

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Chain	Atom inclusion	Q-score
W9	 0.0390	 0.3280
WA	 0.2110	 0.3810
WB	 0.4830	 0.3920
WC	 0.1150	 0.2200
WD	 0.4290	 0.3700
WE	 0.4230	 0.3670
WF	 0.3460	 0.3450
WG	 0.0110	 0.2070
WH	 0.4970	 0.4790
WI	 0.0000	 0.1600
WJ	 0.0010	 0.1000
WK	 0.3090	 0.3300
X1	 0.3810	 0.3690
X2	 0.2280	 0.3540
X3	 0.5520	 0.4890
X4	 0.4240	 0.4570
X5	 0.0060	 0.1380
X6	 0.5310	 0.4690
X7	 0.4650	 0.4460
X8	 0.4320	 0.4240
X9	 0.0270	 0.2770
XA	 0.2860	 0.3740
XB	 0.5340	 0.4670
XC	 0.2340	 0.3580
XD	 0.4770	 0.4550
XE	 0.4890	 0.4540
XF	 0.4470	 0.4270
XG	 0.0200	 0.2190
XH	 0.4190	 0.4560
XI	 0.0010	 0.1000
XJ	 0.0040	 0.1380
XK	 0.3830	 0.3730
Y1	 0.1000	 0.2730
Y2	 0.1730	 0.2900
Y3	 0.3000	 0.3740
Y4	 0.4610	 0.4670
Y5	 0.0040	 0.1990
Y6	 0.4700	 0.4020
Y7	 0.4570	 0.4350
Y8	 0.0240	 0.0880
Y9	 0.0460	 0.3060
YA	 0.3620	 0.4350

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Chain	Atom inclusion	Q-score
YB	█ 0.4730	█ 0.4030
YC	█ 0.1600	█ 0.2910
YD	█ 0.4900	█ 0.4360
YE	█ 0.4930	█ 0.4320
YF	█ 0.0410	█ 0.0960
YG	█ 0.1390	█ 0.3500
YH	█ 0.4680	█ 0.4690
YI	█ 0.0010	█ 0.1760
YJ	█ 0.0080	█ 0.2050
YK	█ 0.1000	█ 0.2720
Z2	█ 0.0670	█ 0.1710
Z3	█ 0.4550	█ 0.4420
Z4	█ 0.4610	█ 0.4760
Z6	█ 0.4930	█ 0.4260
Z8	█ 0.0430	█ 0.0910
Z9	█ 0.0940	█ 0.3250
ZA	█ 0.0130	█ 0.3860
ZB	█ 0.4860	█ 0.4280
ZC	█ 0.0580	█ 0.1830
ZD	█ 0.4460	█ 0.3780
ZE	█ 0.4400	█ 0.3680
ZF	█ 0.0530	█ 0.1170
ZG	█ 0.1450	█ 0.3230
ZH	█ 0.4670	█ 0.4750
ZI	█ 0.0360	█ 0.2190
a2	█ 0.0660	█ 0.1980
a3	█ 0.5050	█ 0.4670
a4	█ 0.1870	█ 0.3830
a6	█ 0.5210	█ 0.4560
a8	█ 0.0820	█ 0.1670
aA	█ 0.4430	█ 0.4550
aB	█ 0.5360	█ 0.4570
aC	█ 0.0530	█ 0.1990
aD	█ 0.3840	█ 0.3650
aE	█ 0.3970	█ 0.3640
aF	█ 0.1060	█ 0.1710
aH	█ 0.1860	█ 0.3810
b2	█ 0.0150	█ 0.0830
b3	█ 0.4840	█ 0.4210
b4	█ 0.4710	█ 0.4740
b6	█ 0.2010	█ 0.1880
b7	█ 0.4500	█ 0.4390

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Chain	Atom inclusion	Q-score
b8	0.1340	0.2420
bA	0.2020	0.3110
bB	0.2070	0.1860
bC	0.0110	0.0960
bD	0.2460	0.2580
bE	0.2440	0.2530
bF	0.1550	0.2500
bH	0.4760	0.4730
c2	0.0250	0.1330
c3	0.4840	0.4260
c4	0.0870	0.3240
c6	0.1760	0.1460
c8	0.0800	0.1950
cA	0.2080	0.3720
cB	0.1670	0.1660
cC	0.0300	0.1250
cD	0.2400	0.2850
cE	0.2460	0.2890
cF	0.1050	0.1930
cH	0.0930	0.3020
d2	0.0120	0.0550
d3	0.5510	0.4110
d4	0.1290	0.3690
d5	0.3140	0.3690
d6	0.2500	0.2440
d8	0.0720	0.1930
dA	0.2630	0.3550
dB	0.2560	0.2540
dC	0.0090	0.0680
dD	0.1620	0.1940
dE	0.1590	0.1960
dF	0.0870	0.2170
dH	0.1450	0.3710
dJ	0.3240	0.3800
e1	0.4210	0.4080
e2	0.0010	0.0360
e3	0.5150	0.4000
e4	0.3170	0.4470
e6	0.3090	0.2970
e8	0.1070	0.2430
eA	0.3360	0.4270
eB	0.3440	0.3120





















































































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Chain	Atom inclusion	Q-score
eC	0.0010	0.0460
eD	0.1840	0.1820
eE	0.1760	0.1730
eF	0.1190	0.2480
eH	0.3040	0.4390
eK	0.4130	0.4050
f2	0.0310	0.0620
f3	0.5260	0.4570
f4	0.0590	0.3000
f6	0.1850	0.1800
f8	0.1680	0.2790
fA	0.5050	0.4870
fB	0.1900	0.1820
fC	0.0290	0.0730
fD	0.1650	0.2180
fE	0.1720	0.2260
fF	0.1900	0.2830
fH	0.0610	0.2940
g2	0.0210	0.1380
g3	0.5070	0.4130
g4	0.0270	0.3020
g6	0.1610	0.1670
g8	0.1170	0.2460
gA	0.0170	0.3540
gB	0.1690	0.1560
gC	0.0200	0.1360
gD	0.2230	0.2890
gE	0.2340	0.2870
gF	0.1340	0.2400
gH	0.0380	0.2980
h2	0.0040	0.0660
h3	0.5320	0.4270
h4	0.0710	0.3280
h6	0.2460	0.2360
h8	0.0410	0.1460
hA	0.5020	0.4780
hB	0.2430	0.2300
hC	0.0020	0.0760
hD	0.1410	0.1820
hE	0.1490	0.1890
hF	0.0520	0.1620
hH	0.0720	0.3150

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Chain	Atom inclusion	Q-score
i2	 0.0070	 0.0520
i3	 0.5520	 0.4350
i4	 0.1360	 0.3760
i6	 0.3130	 0.2930
i8	 0.1110	 0.2090
iB	 0.3150	 0.2940
iC	 0.0050	 0.0570
iD	 0.1190	 0.1660
iE	 0.1260	 0.1680
iF	 0.1260	 0.2200
iH	 0.1570	 0.3760
j2	 0.0000	 0.0960
j3	 0.5480	 0.4320
j4	 0.0720	 0.3110
j6	 0.2120	 0.1930
j8	 0.2220	 0.3400
jB	 0.2030	 0.2070
jC	 0.0000	 0.0900
jD	 0.1660	 0.2070
jE	 0.1900	 0.2050
jF	 0.2390	 0.3450
jH	 0.0770	 0.3240
k2	 0.0120	 0.1000
k3	 0.5620	 0.4610
k4	 0.1250	 0.3510
k6	 0.1920	 0.1900
k8	 0.0000	 0.0070
kB	 0.2160	 0.1840
kC	 0.0060	 0.1050
kD	 0.2720	 0.2810
kE	 0.2790	 0.2910
kF	 0.0000	 0.0180
kH	 0.1510	 0.3350
l2	 0.0000	 0.0670
l3	 0.5210	 0.4440
l4	 0.2840	 0.4050
l6	 0.2690	 0.2870
l8	 0.0000	 0.0360
lB	 0.2730	 0.2630
lC	 0.0000	 0.0660
lD	 0.2110	 0.2410
lE	 0.1920	 0.2010





















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Chain	Atom inclusion	Q-score
lF	0.0010	0.0570
lH	0.2730	0.4000
m2	0.0000	0.0770
m3	0.5180	0.4310
m4	0.1680	0.3930
m6	0.3190	0.3040
m8	0.0050	0.0600
mB	0.3080	0.2990
mC	0.0000	0.0540
mD	0.1220	0.1340
mE	0.1350	0.1340
mF	0.0070	0.0510
mH	0.1880	0.3960
n3	0.5770	0.4430
n8	0.0010	0.0320
nF	0.0000	0.0520
o3	0.5080	0.4310
o8	0.0000	0.0700
oF	0.0000	0.0730
p3	0.5360	0.4520
p8	0.0050	0.0770
pF	0.0040	0.0830
q3	0.5500	0.4130
q8	0.0020	0.0930
qF	0.0020	0.0950
r3	0.5550	0.4370
r8	0.0020	0.1390
rF	0.0050	0.1430
s3	0.5720	0.4510
s8	0.0000	0.0330
sF	0.0020	0.0510
t3	0.5350	0.4320
t8	0.0000	0.0220
tF	0.0000	0.0350
u3	0.5820	0.4480
u8	0.0000	0.0130
uF	0.0000	0.0200
v3	0.5720	0.4330
v8	0.0040	0.0930
vF	0.0070	0.0940
w3	0.5910	0.4680
w8	0.1670	0.2850

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Chain	Atom inclusion	Q-score
wF	 0.1590	 0.2810
x3	 0.5350	 0.4550
x8	 0.0020	 0.0850
xF	 0.0010	 0.0760
y3	 0.5530	 0.4760
y8	 0.4000	 0.4280
yF	 0.4200	 0.4290
z3	 0.5360	 0.4830
z8	 0.3560	 0.3440
zF	 0.2710	 0.2250