Analysis output: all-atom contacts and geometry for COL9A2_22-60H.pdb

Summary statistics

All-Atom Contacts	Clashscore, all atoms:	143.72		0th percentile* (N=1784, all resolutions)
	Clashscore is the number of serious steric overlaps (> 0.4 Å) per 1000 atoms.			
Protein Geometry	Poor rotamers	2	8.00%	Goal: <0.3%
	Favored rotamers	22	88.00%	Goal: >98%
	Ramachandran outliers	2	5.41%	Goal: <0.05%
	Ramachandran favored	34	91.89%	Goal: >98%
	MolProbity score^	3.79		4th percentile* (N=27675, 0Å - 99Å)
	Cβ deviations >0.25Å	2	7.41%	Goal: 0
	Bad bonds:	3 / 264	1.14%	Goal: 0%
	Bad angles:	30 / 363	8.26%	Goal: <0.1%
Peptide Omegas	Cis Prolines:	1 / 11	9.09%	Expected: ≤1 per chain, or ≤5%
	Twisted Peptides:	1 / 38	2.63%	Goal: 0

In the two column results, the left column gives the raw count, right column gives the percentage.

* 100th percentile is the best among structures of comparable resolution; 0th percentile is the worst. For clashscore the comparative set of structures was selected in 2004, for MolProbity score in 2006.

^ MolProbity score combines the clashscore, rotamer, and Ramachandran evaluations into a single score, normalized to be on the same scale as X-ray resolution.

Multi-criterion visualizations

View (49 Kb)

Single-criterion visualizations

- **Clash list** (1.4 Kb): View
- **Ramachandran plot kinemage** (407 Kb): View in KiNG | Download

- **Ramachandran plot PDF** (1.7 Mb): View
- **Cβ deviation scatter plot** (12 Kb): View in KiNG | Download

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