Analysis output: all-atom contacts and geometry for LARS2_78-901H.pdb

Summary statistics

All-Atom Contacts	Clashscore, all atoms:	82.31		0th percentile* (N=1784, all resolutions)
	Clashscore is the number of serious steric overlaps (> 0.4 Å) per 1000 atoms.			
Protein Geometry	Poor rotamers	13	1.84%	Goal: <0.3%
	Favored rotamers	669	94.49%	Goal: >98%
	Ramachandran outliers	27	3.28%	Goal: <0.05%
	Ramachandran favored	745	90.63%	Goal: >98%
	MolProbity score^	3.11		19th percentile* (N=27675, 0Å - 99Å)
	Cβ deviations >0.25Å	11	1.42%	Goal: 0
	Bad bonds:	71 / 6703	1.06%	Goal: 0%
	Bad angles:	143 / 9116	1.57%	Goal: <0.1%
Peptide Omegas	Cis Prolines:	2 / 50	4.00%	Expected: ≤1 per chain, or ≤5%
	Cis nonProlines:	4 / 773	0.52%	Goal: <0.05%
	Twisted Peptides:	6 / 823	0.73%	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.

By adding H to this model and allowing Asn/Gln/His flips, we could *automatically* improve your clashscore by 2.01 points.

Multi-criterion visualizations

View (939 Kb)

Single-criterion visualizations

- **Clash list** (45 Kb): View
- **Ramachandran plot kinemage** (455 Kb): View in KiNG | Download
- **Ramachandran plot PDF** (1.7 Mb): View
- **Cβ deviation scatter plot** (54 Kb): View in KiNG | Download

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