



Analysis output: all-atom contacts and geometry for MYO7A_817-935H.pdb

Summary statistics

All-Atom Contacts	Clashscore, all atoms:	37.32		9 th percentile* (N=1784, all resolutions)
	Clashscore is the number of serious steric overlaps (> 0.4 Å) per 1000 atoms.			
Protein Geometry	Poor rotamers	3	3.03%	Goal: <1%
	Ramachandran outliers	7	5.98%	Goal: <0.05%
	Ramachandran favored	104	88.89%	Goal: >98%
	MolProbity score^	3.00		23 rd percentile* (N=27675, 0Å - 99Å)
	Cβ deviations >0.25Å	5	4.24%	Goal: 0
	Bad backbone bonds:	16 / 1036	1.54%	Goal: 0%
	Bad backbone angles:	18 / 1373	1.31%	Goal: <0.1%

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 0.96 points.

Multi-criterion visualizations



[View](#) (123 Kb)

Single-criterion visualizations

- **Clash list** (2 Kb): [View](#)
- **Ramachandran plot kinemage** (412 Kb): [View in KiNG](#) | [Download](#)
- **Ramachandran plot PDF** (1.7 Mb): [View](#)
- **C β deviation scatter plot** (17 Kb): [View in KiNG](#) | [Download](#)

[Continue >](#)

About [MolProbity](#) | Website for [the Richardson Lab](#) | Using ecloud x-H | Internal reference 4.1-537