



Analysis output: all-atom contacts and geometry for MYH9_7-806H.pdb

Summary statistics

All-Atom Contacts	Clashscore, all atoms:	83.62	0 th percentile* (N=1784, all resolutions)	
	Clashscore is the number of serious steric overlaps (> 0.4 Å) per 1000 atoms.			
Protein Geometry	Poor rotamers	105	15.06%	Goal: <1%
	Ramachandran outliers	61	7.64%	Goal: <0.05%
	Ramachandran favored	596	74.69%	Goal: >98%
	MolProbity score^	4.08		2 nd percentile* (N=27675, 0Å - 99Å)
	Cβ deviations >0.25Å	7	0.93%	Goal: 0
	Bad backbone bonds:	53 / 6575	0.81%	Goal: 0%
	Bad backbone angles:	72 / 8855	0.81%	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* fix 8 bad rotamers and improve your clashscore by 2.62 points.

Multi-criterion visualizations



[View](#) (637 Kb)

Single-criterion visualizations

- **Clash list** (23 Kb): [View](#)
- **Ramachandran plot kinemage** (457 Kb): [View in KiNG](#) | [Download](#)
- **Ramachandran plot PDF** (1.7 Mb): [View](#)
- **C β deviation scatter plot** (51 Kb): [View in KiNG](#) | [Download](#)

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