Analysis output: all-atom contacts and geometry for GJB6_2-216H.pdb

Summary statistics

All-Atom Contacts	Clashscore, all atoms:	46.2		5th percentile* (N=1784, all resolutions)
	Clashscore is the number of serious steric overlaps (> 0.4 Å) per 1000 atoms.			
Protein Geometry	Poor rotamers	8	4.10%	Goal: <1%
	Ramachandran outliers	9	4.23%	Goal: <0.05%
	Ramachandran favored	175	82.16%	Goal: >98%
	MolProbity score^	3.31		13th percentile* (N=27675, 0Å - 99Å)
	Cβ deviations >0.25Å	3	1.46%	Goal: 0
	Bad backbone bonds:	14 / 1832	0.76%	Goal: 0%
	Bad backbone angles:	12 / 2489	0.48%	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 0.28 points.

Multi-criterion visualizations

View (221 Kb)

Single-criterion visualizations

- **Clash list** (4.8 Kb): View
- **Ramachandran plot kinemage** (418 Kb): View in KiNG | Download
- **Ramachandran plot PDF** (1.7 Mb): View
- **Cβ deviation scatter plot** (22 Kb): View in KiNG | Download

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