

Supplementary Table 1. Quality scores of the holo forms of berovin, WT and mutant mnemiopsin models using different quality control programs.

Structure	Verify 3D	PSQS	ERRAT	ProCheck
Model (WT)	88.89	-0.38	72.22	93.0
Model (R39E)	90.34	-0.36	71.71	90.9
Model (R39K)	87.44	-0.35	72.22	89.8
Model (R39M)	85.99	-0.36	79.29	91.4
Template (Berovin)	87.43	-0.35	92.52	92.0

Data accessed from <http://nihserver.mbi.ucla.edu/SAVS> and <http://www1.jcsg.org/psqs/psqs.cgi>.