

Figure 1

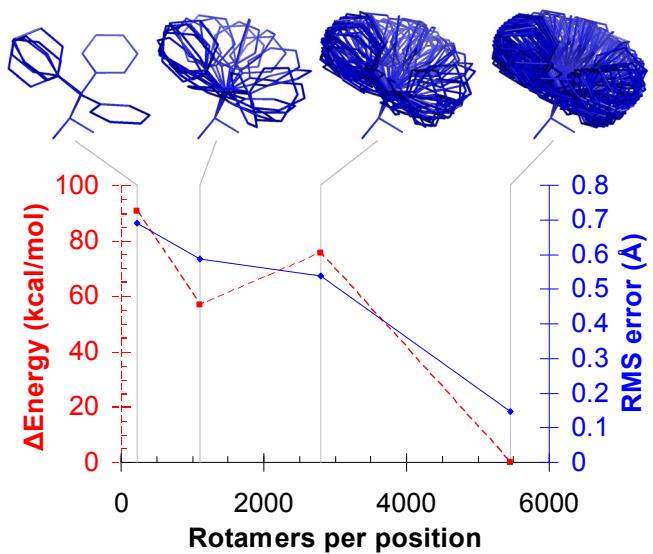


Figure 2

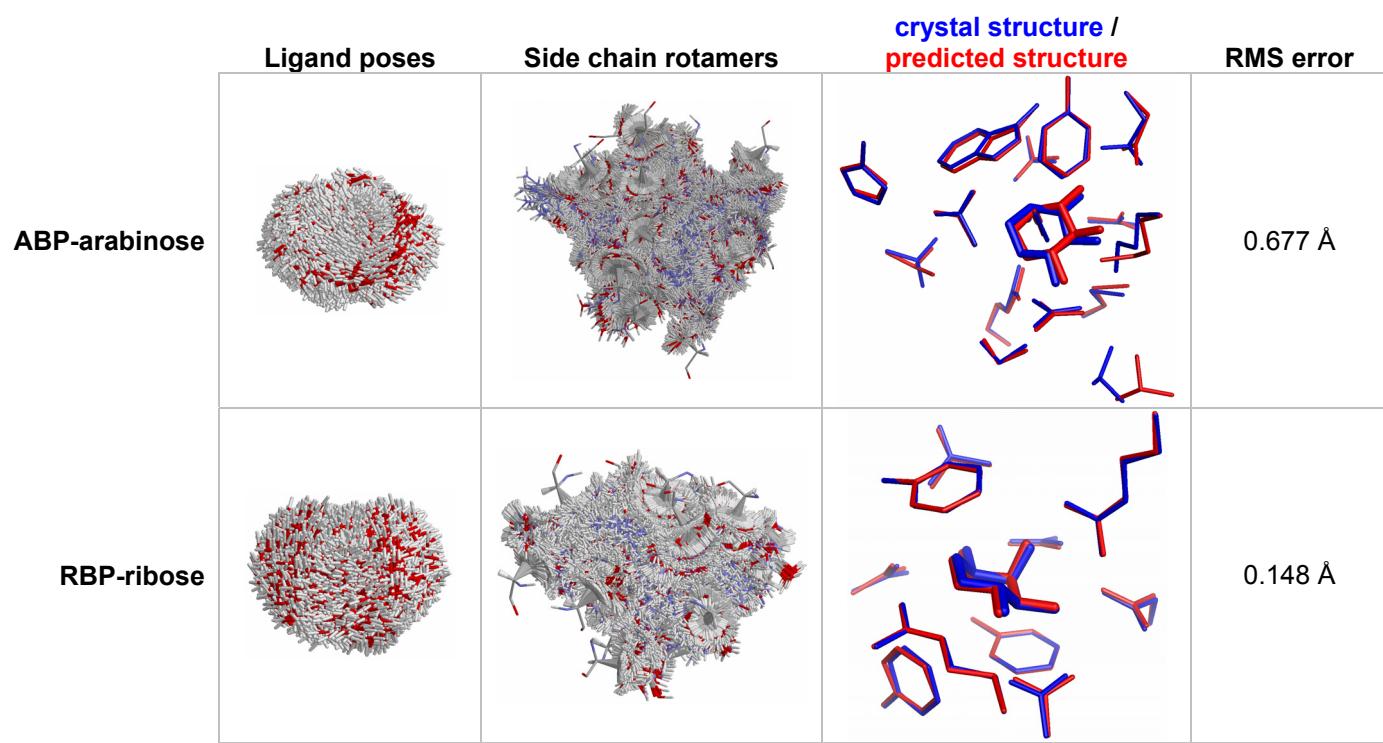


Figure 3

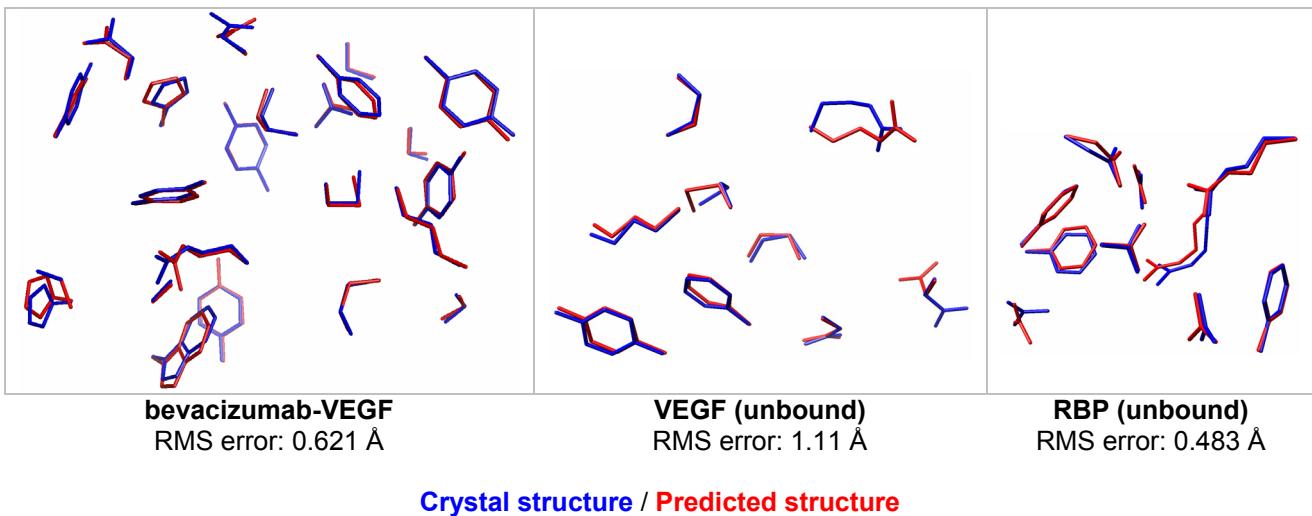


Figure 4

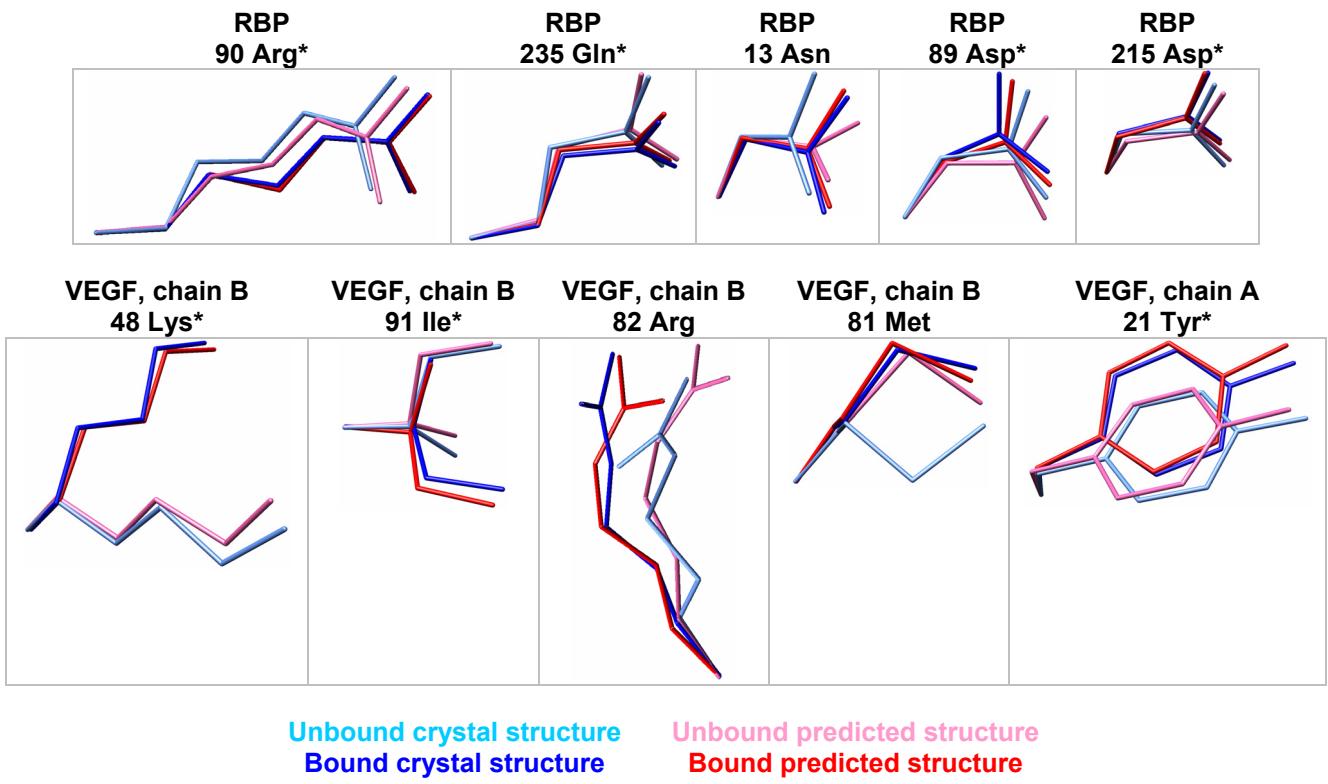


Figure 5

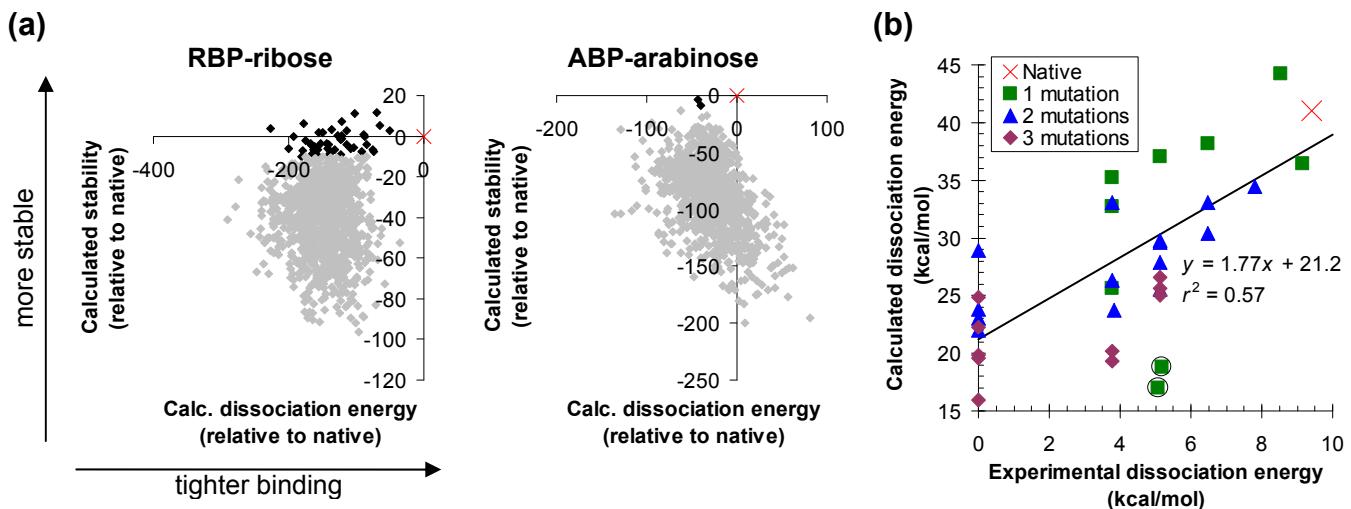


Figure 6

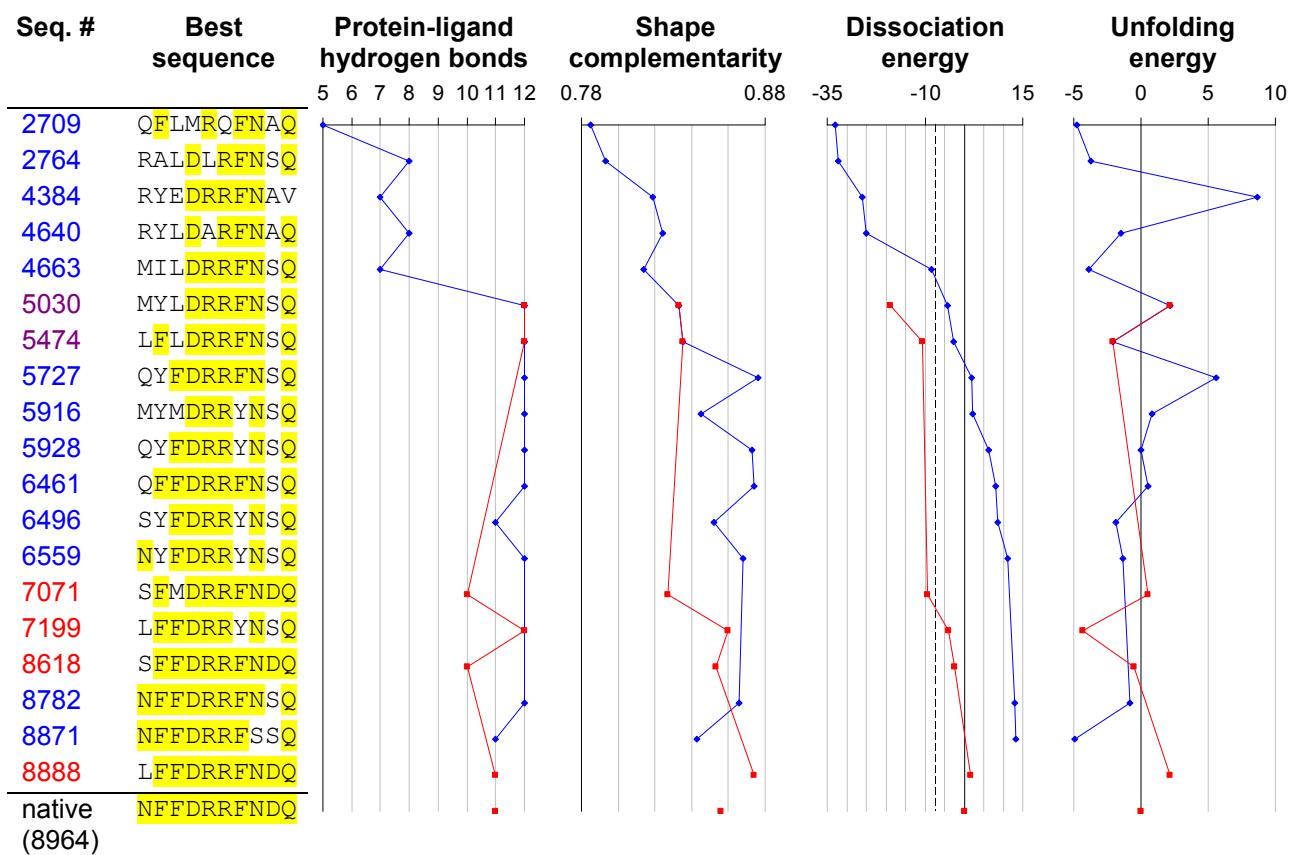


Figure 7

Design calc.	Rotamers per position	Local minimization	Solvent treatment	Rank	# of residues identical to native	K_d (experimental)	Sequence (10 primary contacts)
(a)	2800	yes	Lee	1	3	210 ± 80 mM*	NIMLMMFNAN
				2	4	8.8 ± 0.4 mM*	NFMLNMFNAN
				3	4	83 ± 32 mM*	NFMLMMFNAN
(b)	5449	no	Lee	1	8	12 ± 0.9 mM*	NFFDRRFSSQ
				2	9	48 ± 13 mM*	NFFDRRFNSQ
				3	8	84 ± 10 mM*	NMFDRRFNSQ
(c)	5449	yes	Qiu	1	6	99 ± 2 mM*	YYDRRYNAQ
				2	6	84 ± 2 mM*	YMDRRYNNSQ
				3	7	13 ± 1 mM*	YFDRRYNAQ
(d)	5449	yes	Lee	1	9	19 ± 8 μ M [†]	LFFDRRFNDQ
				2	10	0.30 ± 0.07 μ M [†]	NFFDRRFNDQ
				3	9	80 ± 2 μ M [†]	NTFDRRFNDQ
Native				10		0.30 ± 0.07 μ M [†]	NFFDRRFNDQ

Table 1