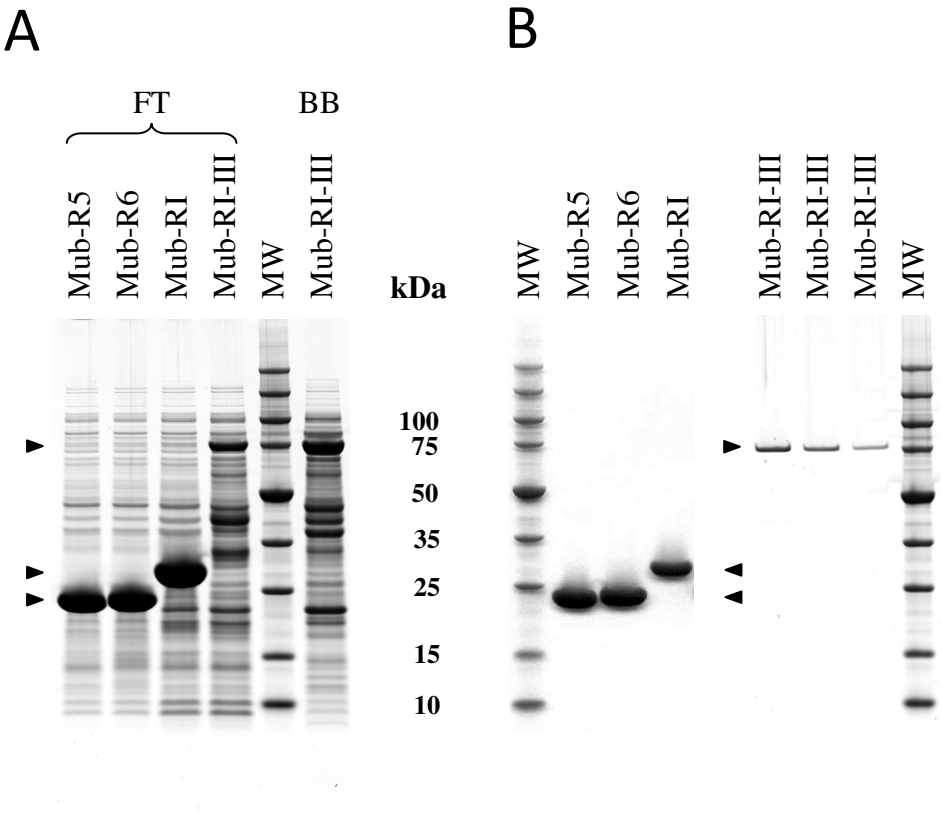
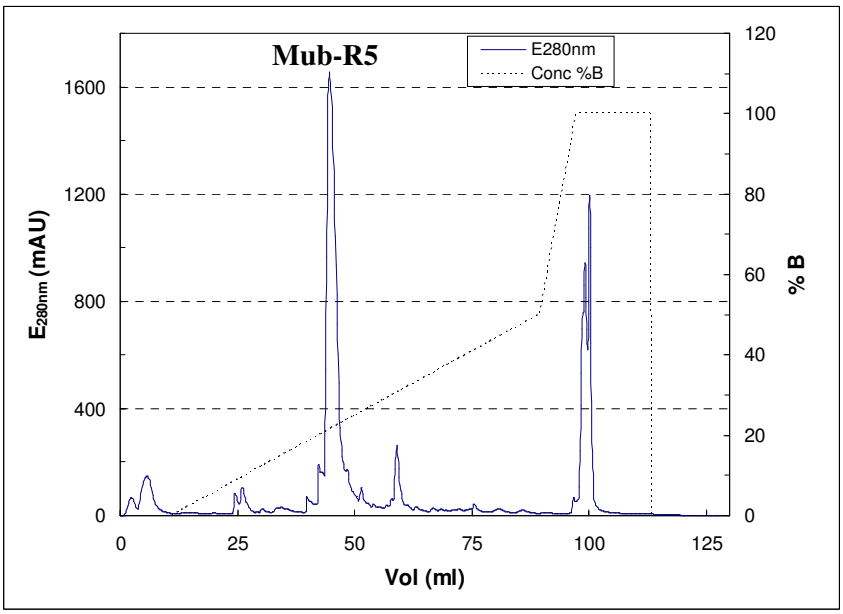
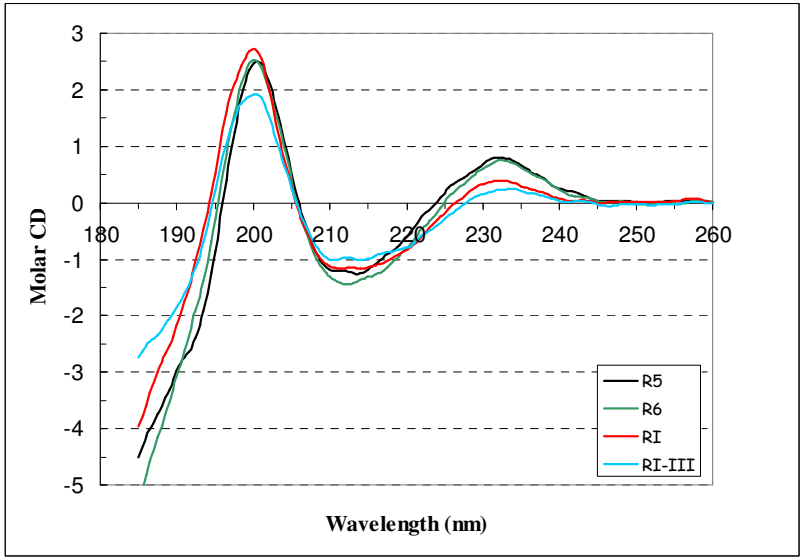


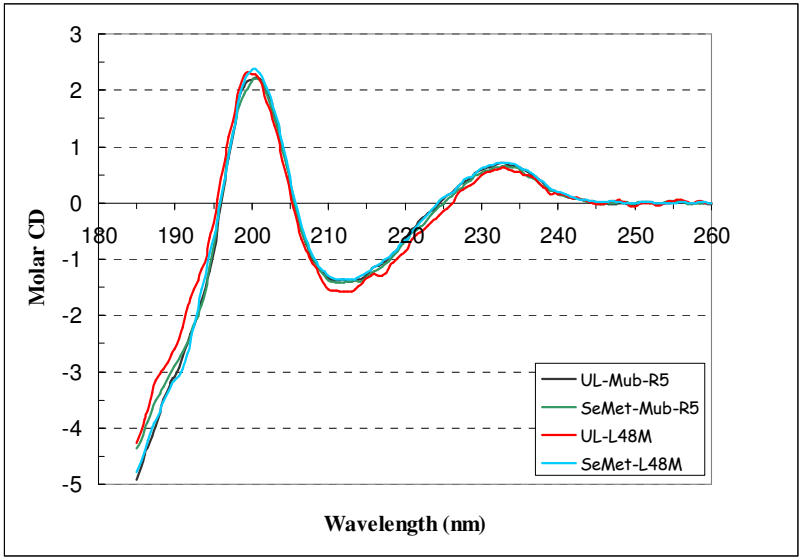


Supplemental Figure S1

A



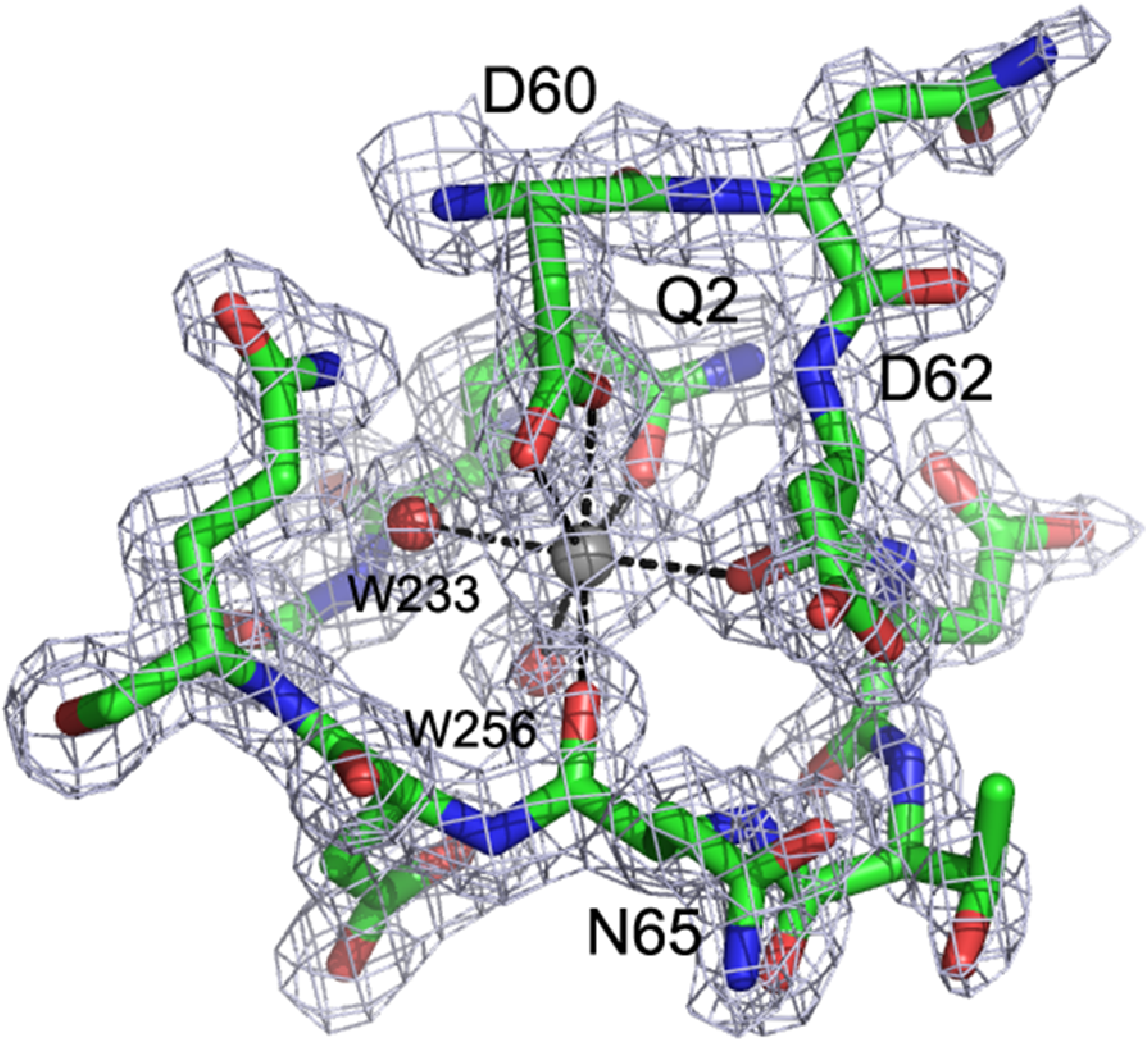
B



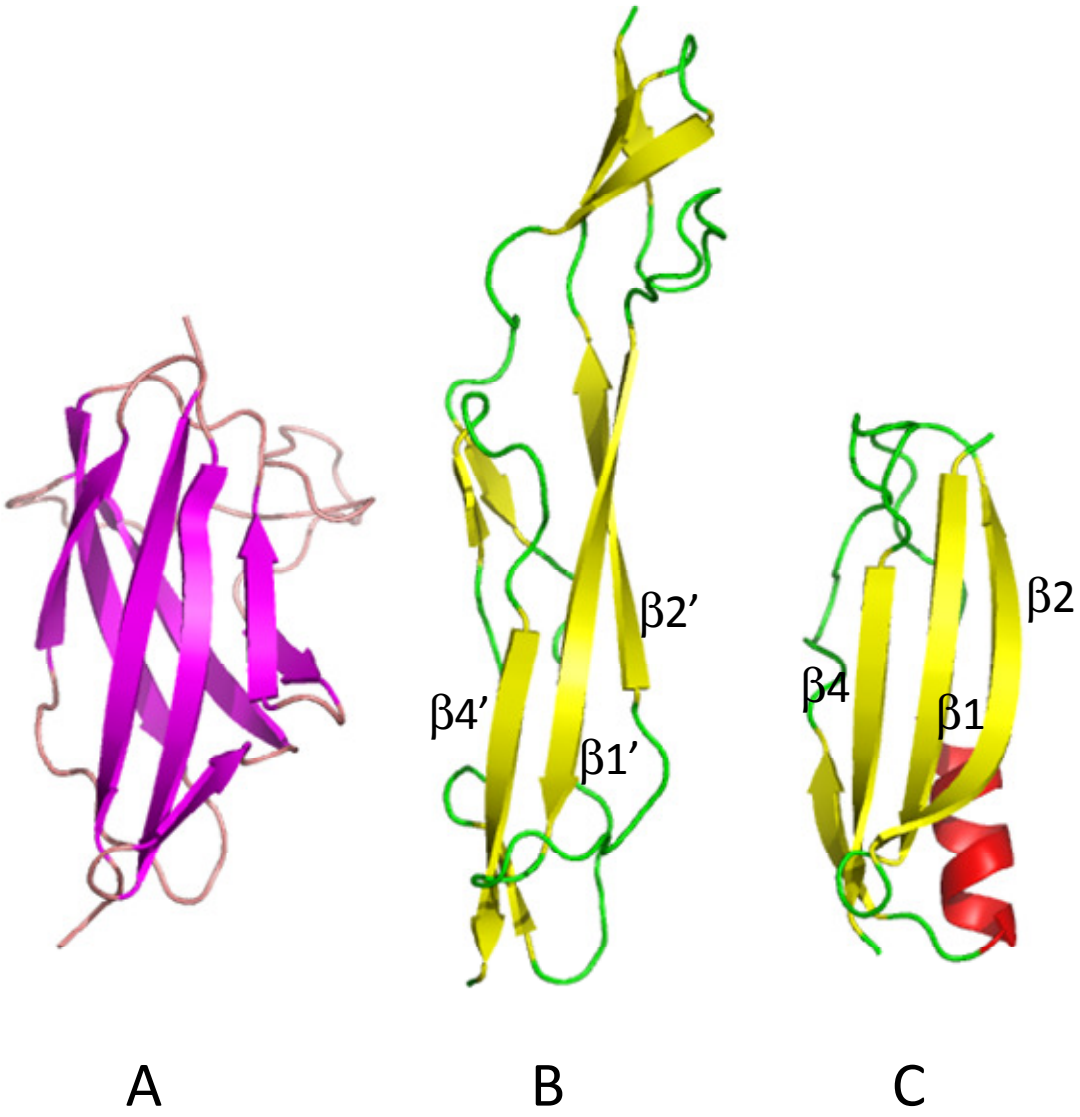
C

Sample	α-helix		β-sheet		β-turn	Unordered	% total	% total	% total	Total %
	random	distorted	random	distorted		(random)	α-helix	β-sheet & β-turn	unordered	
Mub-R5	0.002	0.001	0.277	0.160	0.211	0.349	0.3	64.8	34.9	100
Mub-R6	0.002	0.001	0.242	0.156	0.222	0.376	0.3	62.0	37.6	100
Mub-RI	0.001	0.009	0.294	0.148	0.222	0.326	1.0	66.4	32.6	100
Mub-RI-III	0.000	0.015	0.282	0.138	0.224	0.341	1.5	64.4	34.1	100
UL-Mub-R5	0.003	0.000	0.256	0.161	0.208	0.372	0.3	62.5	37.2	100
SeMet-Mub-R5	0.003	0.001	0.249	0.149	0.212	0.387	0.4	61.0	38.6	100
UL-L48M	0.003	0.001	0.254	0.146	0.218	0.378	0.4	61.8	37.8	100
SeMet-L48M	0.002	0.001	0.258	0.157	0.221	0.361	0.3	63.6	36.1	100

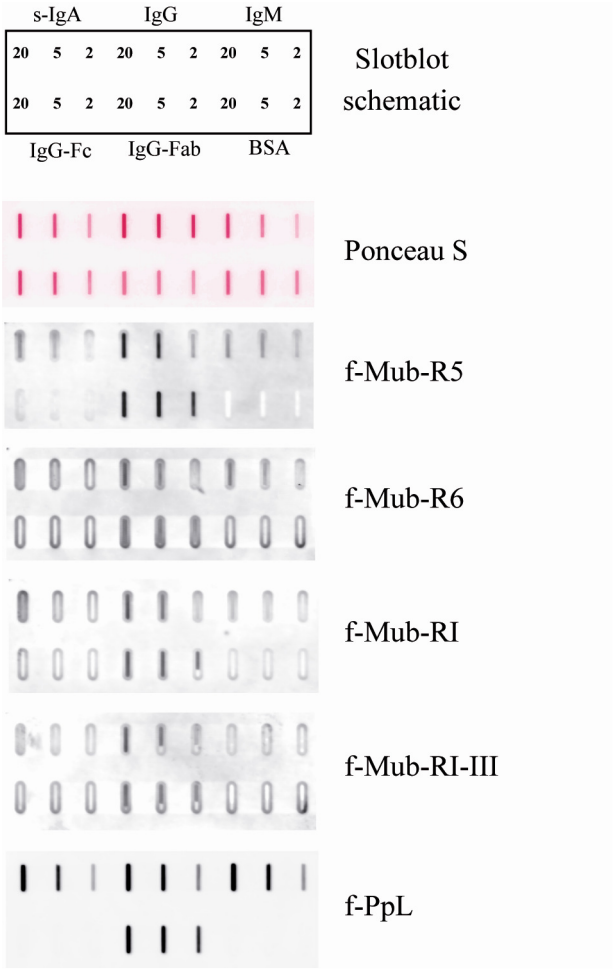
Supplemental Figure S2



Supplemental Figure S3



Supplemental Figure S4



Supplemental Figure S5