

Supplementary Table 1 Solvent accessible surface area of residues present in the $\alpha 1$ - $\alpha 3$ of WT-PrP and its mutant

Residues	ASA(\AA^2)							
	WT-PrP	V210I	Residues	WT-PrP	V210I	Residues	WT-PrP	V210I
	$\alpha 1$			$\alpha 2$			$\alpha 3$	
Gly142	12.411	23.146	Gln172	24.710	7.033	Glu200	39.543	32.206
Ser143	19.716	21.082	Asn173	29.170	32.623	Thr201	29.165	31.715
Asp144	24.937	26.593	Asn174	26.035	36.141	Asp202	10.5169	10.734
Tyr145	44.488	39.379	Phe175	0.174	15.670	Val203	13.914	1.958
Glu146	19.355	21.236	Val176	1.223	2.795	Lys204	43.215	31.333
Asp147	9.787	9.585	His177	44.528	19.146	Met205	5.229	7.562
Arg148	36.881	34.964	Asp178	4.381	20.675	Met206	0.349	0.524
Tyr149	33.003	44.483	Cys179	0.155	0	Glu207	19.267	15.537
Tyr150	0.979	14.111	Val180	2.271	0.524	Arg208	31.692	41.698
Arg151	41.763	32.107	Asn181	20.901	15.653	Val209	2.174	2.276
Glu152	41.543	35.319	Ile182	1.048	12.118	Ile210	0	1.922
Asn153	8.684	14.326	Thr183	0.105	1.57	Glu211	13.537	18.647
Met154	21.249	10.387	Ile184	6.815	6.290	Gln212	34.541	11.380
			Lys185	36.873	44.838	Met213	2.970	6.290
			Gln186	14.223	21.132	Cys214	0	0
			His187	4.708	7.593	Ile215	19.888	8.212
			Thr188	9.518	18.803	Thr216	13.159	21.730

Gln217	1.870	30.70
Tyr218	9.949	23.967
Glu219	32.998	18.583
Arg220	35.282	55.149
Glu221	2.008	15.943
Ser222	7.742	0.634

ASA-Accessible surface area