

Supplementary Table 7. Significance of determinant – triplet correlations

Helix position	Residue(s)	Triplet preference	Residue(s) present in recovered sequences for target triplets	Residue(s) absent in recovered sequences for target triplets	Residue(s) present in recovered sequences for excluded triplets	Residue(s) absent in recovered sequences for excluded triplet	Odds ratio	95% confidence interval	P-value ^a
47	IVT	Tnn	2430	786	885	8661	30.25	33.66 - 27.18	0
47	KR	Gnn	2182	974	827	8779	23.78	26.41 - 21.41	0
47	N	Ynn	997	5393	293	6079	3.84	4.41 - 3.35	4.61E-99
50	E	nBG	903	1467	259	10133	24.07	28.04 - 20.74	0
50	H	MCn	240	1368	42	11112	46.38	66.31 - 33.13	1.63E-175
50	K	KCC	328	16	499	11919	485.05	851.44 - 294.20	0
50	R	nWC	663	944	672	10483	10.95	12.45 - 9.64	1.44E-283
50	W	nAG	543	261	124	11834	197.94	251.58 - 156.32	0
54	FY	Rnn	2143	4229	77	6313	41.54	52.94 - 32.95	0
54	K	Cyn	1252	314	135	11061	322.92	405.14 - 262.56	0
54	R	CRn	1331	277	1126	10022	42.51	49.23 - 36.77	0

a – Benjamini-Hochberg adjusted P-value is reported to account for multiple hypothesis testing.