

Table S5. Abp1p-SH3 peptide ligand affinities and associated PWM and $\Delta\Delta G$ values

Peptide	Ligand Sequence	Kd (μM)	PWM	$\Delta\Delta G$
1	KKTKPPVPPKPSHLKPK	0.12	0.27	0.00
2	KSRPPRPPPKPLHLRTE	0.21	1.24	0.33
3	KKTKPTPPPKPSHLKPK	0.27	0.86	0.48
4	KKTKPTAPKPSHLKPK	0.81	1.70	1.14
5	KKPRPPVKSKPKHLQDG	0.88	1.52	1.19
6	KKTKPTAPPKPSHLKPK	0.96	1.25	1.24
7	KKTKPTPPPKPSALKPK	0.96	1.28	1.24
8	KKTKPTPPPKASHLKPK	1.75	1.44	1.60
9	KSGPPRPKKPSTLTK	4.43	1.77	2.15
10	KKTKPTPPPKPSHAKPK	5.7	1.67	2.30
11	KPEKPPVVKKPHYLSVA	6.1	1.68	2.34
12	KKTKATPPPKPSHLKPK	10.5	1.95	2.67
13	KKTKPTPPAPSHLKPK	31.1	1.95	3.31