

Table S5. PWM derived from SELEX sequences using MEME

Factor	Min	Max	L	best round	SELEX Matrix		Footprint Matrix	
					Sensitivity	Specificity	Sensitivity	Specificity
Kr	10	10	10	4(2)	0.75	3.97	0.77	7.85
bcd	8	8	8	3(2)	0.89	3.97	0.89	10.02
cad	8	8	8	2	0.69	4	0.46	20.83
hb	9	12	11	3	0.87	3.72	0.98	11.55
prd	8	12	11	3	0.81	3.09	1	10.36
twi	8	12	12	3	1	39.13	0.8	25.25

^acutoff for calling a binding sites is chosen to be 0 for the PWM score

^bnumber of total predicted hits per footprint site hit (a PWM match within footprint region)