

Table S3: Human predicted motifs

Motif name	Logo	Consensus	Enr.	Number of matches -60,40	%	Number of matches -400,100	%	Max. Pos.	CF
hs1_CRE		TSACGTSA	15.22	137	2.5	367	6.6	-40	12.53
hs2_Ets		CCGGAAGT	9.13	273	4.9	487	8.8	-10	21.11
hs3_YY1		AARATGGC	18.76	272	4.9	452	8.1	20	48.36
hs4_NF-Y		TGATTGGC	2.75	69	1.2	384	6.9	-70	10.56
hs5_Nrf-1		GCGCMTGCGC	9.08	228	4.1	549	9.9	-10	12.32
hs6_TATA		TWTAAA	11.32	249	4.5	997	17.9	-30	13.07
hs7_Clus1		TCTCGCGAGA	7.46	41	0.7	75	1.3	-20	16.44
hs8_SP1		GGMGGnG	2.06	1900	34.2	3445	61.9	20	13.54
hs9		AGAGAGAGACCT	26.00	13	0.2	18	0.3	10	32.00
hs10		TCATTTTCATA	inf	7	0.1	15	0.3	10	11.15
hs11		CnGGGCCGG	1.52	304	5.5	1021	18.4	-40	8.57
hs12		nGGGSnG	1.03	619	11.1	2016	36.3	-50	8.36
hs13		GRARGAGRA	4.01	188	3.4	658	11.8	-30	5.09
hs14		GCKGnGGCnGCGGC	88.70	204	3.7	383	6.9	20	52.60
hs15		GnGCGnGCGCG	3.98	108	1.9	293	5.3	-50	9.52
hs16		RGAGGAG	2.50	525	9.4	1618	29.1	-40	6.60
hs17		CGGGGCSG	2.31	546	9.8	1449	26.1	-40	15.62
hs18		CTTTTMTCTT	6.00	9	0.2	44	0.8	-310	1.83