

motif length	Sequence	Rank within 100 best motifs	information content	score	HIF divergence	Best divergence	logo
6	KCACGT	1	1.91978	247.742	STRA13 (M00985, 0.046), ARNT (M00539, 0.099)	0.04593	
5	TTACG	1	2.11619	140.125	ATF2 (M00040, 0.170)	0.16984	
5	CAATK	2	2.01228	119.112	NF-Y (M00687, 0.189)	0.18878	
6	CACGTC	3	1.92534	202.005	ATF6 (M00483, 0.049)	0.04919	
5	MCAAT	3	2.00129	115.949	NF-Y (M00209, 0.068), NF-Y (M00687, 0.068), CBF:NF-Y (M00287, 0.073), NF-Y (MA0060, 0.080), CUX1 (M00095, 0.107), NF-Y (M00775, 0.150), NF-Y (M00185, 0.151), NF-Y (M00288, 0.165)	0.06843	
6	ACGCAC	6	1.92524	191.691	NKX5-1 (M00433, 0.129)	0.12892	
5	CAATC	6	2.11704	112.429	HOXA7 (M01108, 0.000), NF-Y (M00209, 0.000), PBX1 (M00124, 0.039), PBX1 (MA0070, 0.075)	0	
6	CWCGTA	9	1.95266	182.844	O2 (M00010, 0.178)	0.17832	
6	ACGTGC	10	1.92453	181.946	HIF-1 (M00797, 0.148), MYC (M01145, 0.244)	0.1484	
5	CTTGT	10	2.11631	106.389	EVI1 (M00011, 0.030)	0.02985	
5	TAACC	11	2.11704	106.136	AIRE (M01000, 0.076)	0.07588	
6	ACGTMA	12	1.93625	180.88	CREB1 (M00039, 0.156), XBP1 (M00251, 0.219), ATF2 (M00040, 0.233), AP-1 (M00036, 0.245), ATF6 (M00483, 0.245)	0.15645	
6	CAATCK	13	2.02048	179.684	HOXA7 (M01108, 0.000)	0.00041	
5	TACGT	14	2.11619	101.234	O2 (M00010, 0.000), ATF2 (M00040, 0.156)	0	
6	YCAATG	23	1.94819	159.837	NF-Y (M00687, 0.242)	0.24157	
5	TTTCG	24	2.11631	81.5078	E2F1 (M00024, 0.153)	0.15279	
5	CAAAC	26	2.11692	81.2489	FOXJ1 (M00742, 0.100)	0.09979	
5	GTTTC	27	2.11631	79.7911	STE12 (M00664, 0.000), STAT1 (M00258, 0.000), STAT1 (MA0137, 0.033), IRF8 (M00699, 0.097)	0	
5	TATGC	29	2.11619	78.3551	POU2F1 (M00135, 0.023)	0.02275	
5	AACCA	36	2.11692	72.6666	AIRE (M01000, 0.134), ZEC (M01081, 0.158)	0.13391	
6	CCACGT	37	1.92534	143.621	O2 (M00010, 0.000), MYC (M01154, 0.093), ATF6 (M00483, 0.098), MAX (MA0059, 0.101), MYC (M01145, 0.139), MAX:MYC (M00118, 0.182), ABZ1 (M01065, 0.236)	0	
5	ATTAA	40	2.40347	67.8842	FTZ (M00020, 0.000), NKX6-1 (M00424, 0.027), LHX3 (MA0135, 0.042), LHX3 (M00510, 0.066), AIRE (M01000, 0.194), HNF1A (MA0046, 0.217), HNF1A (M00132, 0.243)	0	
5	AGTCA	41	2.11606	67.7767	BACH1 (M00495, 0.000), AP-1 (M00038, 0.019), GCN4 (M00204, 0.172), AP-1 (M00188, 0.222)	0	
6	ACGTCC	43	1.92534	123.639	MIZF (MA0131, 0.171)	0.17104	
5	GTTCT	44	2.11631	63.7766	AR (M00956, 0.000), AR (M00953, 0.000)	0	
5	CTACT	45	2.11717	63.5119	TOPORS (M00480, 0.092)	0.0916	
5	MGATT	48	2.00043	55.3242	HOXA7 (M01108, 0.100)	0.09951	
5	AACTR	50	2.0005	45.7452	STAT1 (M00258, 0.232)	0.23163	