CLUSTER	SOURCE	ALT_ID	CONSENSUS	WIDTH	SITES	EVALUE	SIM_MOTIF
1	MEME	MEME-1	CCASHAGRGGG	11	185421	0.00E+00	MA1930.2 (CTCF)
1	STREME	STREME-1	CCASHAGRGGGCRBY	15	136970	0.00E+00	MA0139.2 (CTCF)
1	JASPAR	CTCF	RCCASYAGRKGGCRS	15	123761	0.00E+00	MA0139.2
1	JASPAR	CTCFL	CAGGGGGC	8	107990	0.00E+00	MA1102.3
1	JASPAR	ZNF707	CCCCACTCCTGGTAC	15	35148	0.00E+00	MA1715.1
1	STREME	STREME-8	ACACACCAGAAGAGG	15	3408	5.50E-92	8-ACACACCAGAAGAGG
1	STREME	STREME-22	22-CCACTGGAGGGM	12	2748	2.85E-20	MA0139.2 (CTCF)
1	STREME	STREME-23	23-CACTNGGTGGCA	12	3774	7.28E-20	MA0139.2 (CTCF)
1	STREME	STREME-31	31-CCCTCTTCTGGCCTC	15	739	2.07E-15	MA1969.2 (THRA)
1	STREME	STREME-33	33-CCYCTAGRGG	10	7148	2.42E-15	MA0139.2 (CTCF)
1	STREME	STREME-50	50-CAGCAGAGG	9	1146	2.74E-07	MA1593.2 (ZNF317)
2	JASPAR	ZNF175	ACAGGAAGT	9	153970	0.00E+00	MA2332.1
2	JASPAR	ELF1	CAGGAAGTG	9	107803	0.00E+00	MA0473.4
2	JASPAR	Erg	ACAGGAAGTG	10	98333	0.00E+00	MA0474.4
2	JASPAR	Zbtb2	ACCGGAAGTG	10	75891	0.00E+00	MA2340.1
2	JASPAR	GABPA	CACTTCCTGT	10	67557	0.00E+00	MA0062.4
2	JASPAR	Spi1	AAAGAGGAAGTGG	13	63919	0.00E+00	MA0080.7
2	JASPAR	ZBTB11	CACTTCCGG	9	63073	0.00E+00	MA2329.1
2	JASPAR	ZBTB7A	CCGGAAGTG	9	62382	0.00E+00	MA0750.3
2	JASPAR	FOXJ2::ELF1	AAACMGGAAGT	11	37514	0.00E+00	MA1952.2
2	JASPAR	ETV2::FOXI1	AAACAGGAAGY	11	33725	0.00E+00	MA1942.2
2	JASPAR	ETV3	ACCGGAAGT	9	24692	0.00E+00	MA0763.2
2	JASPAR	ETV1	ACAGGAAGT	9	113034	5.30E-248	MA0761.3
2	JASPAR	SPIB	TCACTTCCTCTTT	13	47938	2.85E-215	MA0081.3
2	JASPAR	ETS1	ACCGGAART	9	6911	1.79E-96	MA0098.4
2	JASPAR	ELK1::HOXA1	ACCGGAAGTAATTA	14	4832	6.00E-91	MA1931.1
2	JASPAR	FOXO1::ELF1	RTMAACAGGAAGT	13	6896	1.87E-87	MA1953.2
2	JASPAR	FOXO1::ELK3	RWMAACAGGAAGT	13	1032	5.45E-84	MA1955.2
2	JASPAR	ETV5::DRGX	MGGAAGYAATTA	12	6771	2.79E-76	MA1944.2
2	JASPAR	ETS2	ACCGGAAGY	9	4939	3.68E-65	MA1484.2
2	JASPAR	ERF::NHLH1	VGCAGCTGCCGGAARY	16	1954	7.28E-60	MA1938.2
2	JASPAR	ETV2	ACCGGAAAT	9	6246	1.94E-57	MA0762.2
2	JASPAR	FOXO1::ELK1	RWMAACAGGAAGT	13	5676	2.82E-56	MA1954.2
2	JASPAR	SPDEF	AMCCGGATGT	10	8117	5.44E-55	MA0686.2
2	JASPAR	FEV	ACCGGAAGT	9	5501	5.21E-46	MA0156.4
2	JASPAR	ELK4	CRCTTCCGG	9	5824	1.31E-41	MA0076.3
2	JASPAR	Ikzf3	CAGGAAGTG	9	10180	5.23E-40	MA1992.2
2	JASPAR	ELK1::HOXB13	ACCGGAAGTHGTAAA	15	1927	2.62E-38	MA1932.2
2	JASPAR	ELK1::SREBF2	CCGGAAGTSRCGTGA	15	1439	4.53E-31	MA1933.2
2	JASPAR	ETV4	ACCGGAAGT	9	17362	3.23E-30	MA0764.4
2	JASPAR	ELF3	CACTTCCTG	9	7694	1.52E-27	MA0640.3
2	JASPAR	ETV6	SCGGAAGTR	9	17171	1.91E-25	MA0645.2
2	JASPAR	ELF2	AMCCGGAAGT	10	10936	3.98E-25	MA1483.3
2	JASPAR	FLI1	ACCGGAART	9	2919	1.75E-22	MA0475.3
2	JASPAR	FLI1::DRGX	ACCGGAAGTAATTA	14	1727	1.64E-15	MA1949.2
2	JASPAR	ETV5	ACCGGAAGT	9	5848	1.26E-12	MA0765.4
2	JASPAR	HOXB2::ELK1	RCCGGAAGTMRTTA	14	6287	1.23E-11	MA1957.1
2	JASPAR	ERF	ACCGGAAGT	9	4429	2.12E-10	MA0760.2
2	JASPAR	ELK3	ACCGGAAGT	9	3009	7.20E-06	MA0759.3
3	JASPAR	Ptf1A	ACAGATGTT	9	136286	0.00E+00	MA1618.2
3	JASPAR	Neurod2	ACAGATGG	8	123529	0.00E+00	MA0668.3
3	JASPAR	NEUROD1	ACAGATGG	8	123154	0.00E+00	MA1109.2
3	JASPAR	Atoh1	CAGATGG	7	120011	0.00E+00	MA1467.3
3	JASPAR	NEUROG2	CAGATGG	7	118271	0.00E+00	MA1642.2
3	JASPAR	HAND2	CAGATG	6	106601	0.00E+00	MA1638.2
3	JASPAR	TWIST1	CCAGATGT	8	78642	0.00E+00	MA1123.3
3	JASPAR	TAL1::TCF3	AMCATCTGKT	10	22751	0.00E+00	MA0091.2
3	JASPAR	Ptf1A	ACACCTGT	8	104015	2.84E-203	MA1620.2
3	JASPAR	Ptf1A	ACAGCTGT	8	60417	3.48E-45	MA1619.2
4	JASPAR	KLF9	GCCACACCCAC	11	23626	0.00E+00	MA1107.3
4	STREME	STREME-15	15-RRGCCMCACCTHCT	14	2336	1.01E-33	MA1107.3 (KLF9)
4	STREME	STREME-52	52-AGGTGGGGC	9	814	8.90E-07	MA0039.5 (KLF4)
5	JASPAR	ATOH7	AVCATATGBY	10	90067	0.00E+00	MA1468.1
5	JASPAR	Atoh1	RMCATATG	8	62827	0.00E+00	MA0461.3
5	JASPAR	NEUROG2	RACATATGTC	10	27136	0.00E+00	MA0669.1
5	JASPAR	OLIG1	AMCATATGKT	10	9209	0.00E+00	MA0826.1
5	JASPAR	BHLHE22	AMCATATGKY	10	6907	0.00E+00	MA0818.2

5	JASPAR	NEUROG1	RACATATGTY	10	3177	0.00E+00 MA0623.2
5	JASPAR	TCF21	ACCATATGKY	10	2943	0.00E+00 MA1568.2
5	JASPAR	MAX::MYC	ASCACGTGGT	10	2901	0.00E+00 MA0059.2
5	JASPAR	TFAP4	AHCATRTGDT	10	3210	0.00E-02 MA1570.1
5	JASPAR	BHLHA15	ACCATATGGT	10	8830	0.00E-02 MA0607.2
5	JASPAR	OLIG3	AMCATATGBY	10	9345	1.27E-302 MA0827.1
5	JASPAR	Msgn1	RACAAATGGT	10	43699	1.79E-302 MA1524.3
5	JASPAR	BHLHE23	AACATATGBT	10	6998	3.03E-282 MA0817.2
5	JASPAR	OLIG2	AMCATATGKT	10	3265	1.46E-238 MA0678.1
5	JASPAR	MXI1	CACATG	6	6076	3.17E-144 MA1108.3
5	JASPAR	FERD3L	GCRMCAGCTGTYAC	14	7005	6.76E-44 MA1485.1
5	JASPAR	Ascl2	ARCAGCTGCY	10	8409	9.73E-24 MA0816.1
5	JASPAR	MYF6	AACARCTGTT	10	553	9.15E-18 MA0667.1
6	JASPAR	GCM2	ATGCGGGT	8	123132	0.00E+00 MA0767.2
6	JASPAR	GCM1	ATGCGGGTAC	10	105688	0.00E+00 MA0646.2
7	JASPAR	ZNF317	ACAGCAGA	8	80266	0.00E+00 MA1593.2
8	JASPAR	KLF6	CCACGCCCH	9	146476	0.00E+00 MA1517.2
8	JASPAR	SP9	CCACGCCCMC	10	49132	0.00E+00 MA1564.2
8	JASPAR	KLF11	CCACGCCCMC	10	46758	0.00E+00 MA1512.2
8	JASPAR	SP8	CCACGCCCMCY	11	42975	0.00E+00 MA0747.2
8	JASPAR	KLF4	CCCCACCC	8	37517	0.00E+00 MA0039.5
8	JASPAR	KLF1	GGGYGGGG	8	23215	0.00E+00 MA0493.3
8	JASPAR	KLF7	GGGCGGGG	8	21044	0.00E+00 MA1959.2
8	JASPAR	KLF12	GGGGCGGGG	9	19892	0.00E+00 MA0742.2
8	JASPAR	SP3	GCCACGCCCMC	11	19755	0.00E+00 MA0746.3
8	JASPAR	KLF10	GGGGCGGGG	9	18432	0.00E+00 MA1511.2
8	JASPAR	KLF2	CCACRCCC	8	17536	0.00E+00 MA1515.2
8	JASPAR	KLF16	GMCACGCCCCC	11	17333	0.00E+00 MA0741.1
8	JASPAR	KLF5	GCCCCDCCCH	10	14622	0.00E+00 MA0599.1
8	JASPAR	KLF3	GRCCRCGCCC	10	13946	0.00E+00 MA1516.2
8	JASPAR	KLF14	KGGGCGGGG	9	12569	0.00E+00 MA0740.2
8	JASPAR	SP4	GGGGCGGGG	9	10940	0.00E+00 MA0685.2
8	JASPAR	SP2	GGGGCGGGG	9	8228	0.00E+00 MA0516.3
8	JASPAR	KLF15	CCCCGCCC	8	8207	0.00E+00 MA1513.2
8	JASPAR	SP1	GGGGCGGGG	9	8101	0.00E+00 MA0079.5
8	JASPAR	PATZ1	SGGGGMGGGGS	11	5183	3.15E-263 MA1961.2
8	STREME	STREME-2	GCCMCGCCC	9	19849	1.02E-244 MA1959.2 (KLF7)
8	JASPAR	KLF13	TGMCACGCCCCTTTTTG	17	3506	1.11E-244 MA0657.2
8	JASPAR	ZNF281	GGGGGAGGGG	10	49857	2.08E-232 MA1630.3
8	JASPAR	ZNF682	GGCYAAGCCCC	11	10002	4.94E-195 MA1599.2
8	JASPAR	MAZ	CCCCTCCC	8	35059	4.08E-86 MA1522.2
8	STREME	STREME-53	53-AGCGGGCGCGAC	12	468	1.36E-06 MA1727.2 (ZNF417)
8	STREME	STREME-57	57-AGCCCCGCCCTGC	14	300	3.69E-06 MA1513.2 (KLF15)
9	JASPAR	NKX2-8	VCACTTSA	8	98585	0.00E+00 MA0673.2
9	JASPAR	NKX2-4	CCACTTSA	8	77805	0.00E+00 MA2003.2
9	JASPAR	NKX2-3	CCACTTRA	8	73098	0.00E+00 MA0672.2
9	JASPAR	Nkx3-1	CCACTTA	7	63934	0.00E+00 MA0124.3
9	JASPAR	Nkx2-1	CACTTGA	7	73116	5.51E-221 MA1994.2
9	JASPAR	Nkx3-2	AAMCACTTAA	10	3096	2.63E-41 MA0122.4
10	JASPAR	Hic1	RTGCCAAC	8	45961	0.00E+00 MA0739.2
10	JASPAR	HIC2	RTGCCC	6	20879	0.00E+00 MA0738.2
10	JASPAR	NFIX	TGCCAA	6	181106	3.54E-99 MA0671.2
11	JASPAR	ZIC4	GRCCCCCCGCKGYG	14	110930	0.00E+00 MA0751.2
11	JASPAR	ZIC1	GACCCCCYGCTGTG	14	26639	0.00E+00 MA0696.1
11	JASPAR	ZIC5	GACCCCCCGCTGHGM	15	16032	0.00E+00 MA1584.2
11	JASPAR	ZNF701	GAGCACYAARGGGGGRA	17	29936	2.76E-123 MA1987.2
11	JASPAR	GLIS2	GACCCCCCGCRAMG	14	3635	1.52E-26 MA0736.1
12	JASPAR	Yy1	CAAAATGG	8	114129	0.00E+00 MA0095.4
12	JASPAR	ZFP42	CAARATGGCTGCC	13	63400	0.00E+00 MA1651.2
13	JASPAR	Thap11	ACTACAABTCCCAG	14	7823	0.00E+00 MA1573.2
13	STREME	STREME-3	CTGGGATTTGAACTC	15	8579	6.81E-208 MA1573.2 (Thap11)
14	JASPAR	E2F6	GGCGGGAA	8	149790	0.00E+00 MA0471.3
14	JASPAR	TFDP1	SGCGGGAA	8	114503	6.42E-286 MA1122.2
14	JASPAR	E2F8	TTCCCGCCA	9	88648	2.69E-246 MA0865.3
15	JASPAR	OSR2	ACAGAAGC	8	52516	0.00E+00 MA1646.2
16	JASPAR	SCRT2	GCAACAGGTG	10	114849	0.00E+00 MA0744.3
16	JASPAR	SCRT1	KCAACAGGTG	10	80616	0.00E+00 MA0743.3
17	JASPAR	Six3	ATRGGGTATCA	11	36132	0.00E+00 MA0631.2

18	JASPAR	KLF17	MCCACGCACCCMTY	14	10870	0.00E+00	MA1514.2
18	STREME	STREME-4	ATACCCACCCACCCC	15	7210	3.72E-170	MA1514.2 (KLF17)
18	STREME	STREME-59	59-CTCCCCCACCCACCC	15	232	7.38E-06	MA0039.5 (KLF4)
19	JASPAR	ZNF85	GAGATTACWKCA	12	47175	0.00E+00	MA1720.2
20	JASPAR	CREB1	TGATGTCA	8	90707	0.00E+00	MA0018.5
20	JASPAR	FOSL1::JUN	ATGACGTCAT	10	80337	0.00E+00	MA1129.1
20	JASPAR	FOS::JUN	RTGACGTCAT	10	69536	0.00E+00	MA1126.2
20	JASPAR	FOSB::JUNB	RTGACGTCAT	10	67218	0.00E+00	MA1136.1
20	JASPAR	FOSB::JUN	GATGACGTCAT	11	64902	0.00E+00	MA1127.1
20	JASPAR	JUN::JUNB	KRTGACGTCAT	11	62420	0.00E+00	MA1133.2
20	JASPAR	FOSL2::JUND	RTGACGTCAY	10	60660	0.00E+00	MA1145.2
20	JASPAR	ATF2	ATGABGTCAT	10	32757	0.00E+00	MA1632.2
20	JASPAR	CREB3L4	RTGACGTCA	9	68728	9.59E-287	MA1475.2
20	JASPAR	JUNB	ATGACGTCAYC	11	9942	3.80E-198	MA1140.3
20	JASPAR	Nr1h4	AGGTCA	6	13107	6.81E-176	MA1110.3
20	JASPAR	Nr1h2	AGGTCA	6	10267	3.66E-165	MA1996.2
20	JASPAR	Creb5	ATGACGTCAY	10	2762	2.31E-138	MA0840.2
20	JASPAR	FOSL2::JUNB	ATGACGTCAT	10	2960	2.89E-129	MA1139.2
20	JASPAR	JUND	RATGABGTCAT	11	2245	1.25E-124	MA0492.2
20	JASPAR	FOSL2::JUN	RTGACGTMAT	10	3692	2.24E-100	MA1131.2
20	JASPAR	Atf1	RTGACGTA	8	8432	1.09E-92	MA0604.1
20	JASPAR	FOS	GATGACGTCATCR	13	1921	1.50E-85	MA1951.2
20	JASPAR	SREBF1	ATCACSTGAT	10	47830	7.03E-81	MA0829.3
20	JASPAR	FOSL1::JUND	RTGACGTMA	9	128109	2.83E-53	MA1143.2
20	JASPAR	CEBPG	ATGATGCAAT	10	3657	1.75E-24	MA1636.2
20	JASPAR	CREM	GTGACGTCAC	10	69	5.49E-12	MA0609.3
20	JASPAR	ATF4	ATGATGCAAT	10	12277	1.06E-09	MA0833.3
20	JASPAR	ATF7	ATGACGTCAT	10	73	3.81E-09	MA0834.2
20	JASPAR	SREBF1	VTCACCCCAY	10	1087	6.11E-08	MA0595.1
20	JASPAR	JDP2	ATGACGTCAY	10	123	1.27E-06	MA0656.2
21	JASPAR	DUX4	TAAYYYAATCA	11	15234	0.00E+00	MA0468.1
21	JASPAR	Dux	TGATTBAATCA	11	14117	1.49E-265	MA0611.3
21	JASPAR	PHOX2A	TAATYYAATTA	11	14752	1.05E-88	MA0713.1
21	JASPAR	PHOX2B	TAATCAAATTAW	12	1654	1.20E-32	MA0681.3
22	JASPAR	Hand1::Tcf3	RTCTGGMWT	9	29226	0.00E+00	MA0092.2
22	JASPAR	Hand1	TCCAGACCT	9	111203	9.63E-162	MA2123.1
23	JASPAR	ERF::FOXI1	AAACMGGAAR	10	48140	0.00E+00	MA1935.2
23	JASPAR	FLI1::FOXI1	TAAACAGGAAR	11	20064	0.00E+00	MA1950.2
23	JASPAR	ETV5::FOXO1	GTMAACAGGA	10	10650	0.00E+00	MA1947.2
23	JASPAR	ETV5::FOXI1	GTAAACAGGAWG	12	19053	3.67E-137	MA1946.2
23	JASPAR	IKZF1	AACAGGAA	8	6337	1.95E-114	MA1508.2
23	JASPAR	Stat2	GAAACAGAAA	10	977	3.68E-111	MA1623.2
23	JASPAR	ERF::FIGLA	CCGGAARCASCTG	13	1577	1.72E-58	MA1934.2
23	JASPAR	ERF::FOXO1	RTMAACAGGAAR	12	2150	2.78E-40	MA1936.2
23	JASPAR	ETV5::FIGLA	RGCGGAARCAGGTG	14	5366	1.74E-27	MA1945.2
24	JASPAR	PLAGL2	GGGCCCCC	8	4724	4.06E-107	MA1548.2
24	STREME	STREME-6	ACAGGGCCCCCAA	13	6178	2.42E-103	MA1548.2 (PLAGL2)
25	STREME	STREME-26	26-GGTTCGAACAC	11	978	4.53E-17	MA2096.1 (ZNF524)
26	JASPAR	RUNX3	AACCTCAA	8	134768	0.00E+00	MA0684.3
26	JASPAR	Bcl11B	AAACCACAA	9	86300	0.00E+00	MA1989.2
26	JASPAR	Runx1	YTGTGGTTT	9	57490	0.00E+00	MA0002.3
26	JASPAR	RUNX2	WAACCGCAA	9	2951	1.96E-147	MA0511.2
27	JASPAR	Nr1h3::Rxra	TGACCTNNAGTRACCY	16	47080	0.00E+00	MA0494.2
27	JASPAR	THRA	GTGTCCTCABRTGACCTY	18	9113	0.00E+00	MA1969.2
27	JASPAR	Rarg	AAGGTCAMSARAGGTCA	17	82	1.21E-06	MA0860.1
28	JASPAR	ZBTB26	CTCCAGAA	8	123530	0.00E+00	MA1579.2
29	JASPAR	LIN54	TTTRAAT	7	8449	0.00E+00	MA0619.2
30	STREME	STREME-5	AAAAAAAAAAAASAA	15	17715	2.77E-106	MA1125.2 (ZNF384)
30	STREME	STREME-27	27-AACAAAAAAAAAAAM	15	5891	7.51E-17	MA1125.2 (ZNF384)
30	JASPAR	ZNF384	AAAAAAAA	8	129120	3.62E-16	MA1125.2
30	STREME	STREME-37	37-AATWAAAAAAAAAAA	15	2944	3.72E-12	MA1125.2 (ZNF384)
30	STREME	STREME-60	60-AGAAAAAAACCAATA	15	292	1.48E-05	MA1125.2 (ZNF384)
31	JASPAR	FIGLA	CACCTG	6	105587	0.00E+00	MA0820.2
31	JASPAR	MLXIPL	RTCACGTG	8	53850	0.00E+00	MA0664.2
31	JASPAR	CREB3L4	GCCACGTCAY	10	51155	0.00E+00	MA1474.2
31	JASPAR	SNAI1	RCAGGTG	7	46068	0.00E+00	MA1558.2
31	JASPAR	USF2	RTCACGTGAY	10	4885	0.00E+00	MA0526.5
31	JASPAR	MYCN	CCACGTGG	8	4817	0.00E+00	MA0104.5

31	JASPAR	MLX	RTCACGTGAT	10	10988	2.34E-252	MA0663.1
31	JASPAR	TFEB	CACGTGAC	8	30951	3.82E-240	MA0692.2
31	JASPAR	TFE3	GTCACGTGAC	10	5054	3.22E-226	MA0831.3
31	JASPAR	MITF	RTCACGTGAY	10	6827	2.67E-203	MA0620.4
31	JASPAR	TFEC	CACGTGAC	8	12007	7.26E-162	MA0871.3
31	JASPAR	MNT	CACGTG	6	49297	7.04E-160	MA0825.2
31	JASPAR	MYC	CCACGTGC	8	77968	5.07E-157	MA0147.4
31	JASPAR	MAX	CACGTG	6	44257	3.05E-148	MA0058.4
31	JASPAR	ZEB1	CACCTG	6	66997	1.81E-145	MA0103.4
31	JASPAR	USF1	GTCATGTGAC	10	8198	1.34E-135	MA0093.4
31	JASPAR	CREB3L1	TGCCACGTCAYCA	13	12496	7.48E-129	MA0839.2
31	JASPAR	TCFL5	KCACGCGC	8	30027	1.87E-126	MA0632.3
31	JASPAR	Npas2	SCACGTGT	8	7339	1.43E-121	MA0626.2
31	JASPAR	HEY1	GRCACGTGCC	10	24177	3.31E-99	MA0823.1
31	JASPAR	Arntl	GTCACGTG	8	15281	2.21E-98	MA0603.2
31	JASPAR	XBP1	GMCACGTCATC	11	11903	1.75E-86	MA0844.2
31	JASPAR	CLOCK	ACACGTG	7	46454	2.65E-80	MA0819.3
31	JASPAR	HEY2	GRCACGTGY	9	30349	1.26E-56	MA0649.2
31	JASPAR	SREBF2	ATCACGTGAT	10	952	1.48E-55	MA0828.3
31	JASPAR	SOHLH2	GCACGTGC	8	14655	2.87E-26	MA1560.2
31	JASPAR	CREB3	TGCCACGTCAYC	12	5864	4.08E-26	MA0638.2
31	JASPAR	HES5	GRCACGTGYC	10	42092	3.64E-18	MA0821.2
31	JASPAR	ARNT2	GTCACGTG	8	15388	1.42E-15	MA1464.2
31	JASPAR	ARNT::HIF1A	ACGTG	5	28150	3.57E-15	MA0259.2
31	JASPAR	Creb3l2	GCCACGTGD	9	8679	8.86E-14	MA0608.1
31	JASPAR	EPAS1	CGCACGTAS	9	1573	1.88E-07	MA2325.1
32	JASPAR	TCF7	CTTTGAW	7	11611	0.00E+00	MA0769.3
32	JASPAR	Hnf1A	CCTTTGATST	10	11184	0.00E+00	MA1991.2
32	JASPAR	TCF7L1	AAAGATCAAAGG	12	5735	0.00E+00	MA1421.1
32	JASPAR	Lef1	CCTTTGAT	8	132153	9.45E-12	MA0768.3
33	JASPAR	NR4A2	AAAGGTCA	8	89476	0.00E+00	MA0160.3
33	JASPAR	NR4A1	AAAGGTCA	8	73686	0.00E+00	MA1112.3
33	JASPAR	Esrrg	TCAAGGTCA	9	63491	0.00E+00	MA0643.2
33	JASPAR	Nr1h3	AGGKCA	6	53779	0.00E+00	MA2337.1
33	JASPAR	NR1I3	TGAACTTT	8	6518	0.00E+00	MA1534.2
33	JASPAR	PPARA::RXRA	AWNTRGGTYAAAGGTCA	17	3146	0.00E+00	MA1148.2
33	JASPAR	NR2F2	AAGGTCA	7	68091	6.20E-279	MA1111.2
33	JASPAR	Nr2f6	RGGTCAAAGGTCA	13	9240	1.18E-204	MA0677.2
33	JASPAR	Nr5A2	TGACCTTGA	9	442	7.73E-73	MA0505.3
33	JASPAR	ESRRA	TCAAGGTCA	9	2209	2.45E-44	MA0592.4
33	JASPAR	NR5A1	AGTTCAAGGTCA	12	13754	2.50E-41	MA1540.3
33	JASPAR	Nr2e1	AAAAGTCAA	9	18963	5.47E-32	MA0676.1
33	JASPAR	NR2C2	GRGGTCARAGGTCA	14	4096	1.82E-23	MA0504.2
33	JASPAR	RARA	AGGTCAHSYAAAGGTCA	17	1253	1.87E-17	MA0730.1
33	JASPAR	THRB	RGGTCAAAGGTCA	13	14685	9.69E-16	MA1574.2
33	JASPAR	Ppara	AAGGTCA	7	24198	1.48E-11	MA2338.1
34	JASPAR	NR2C2	RGGTCA	6	233962	0.00E+00	MA1536.2
34	JASPAR	NR2C1	RGGTCA	6	158335	0.00E+00	MA1535.2
34	JASPAR	RARG	AGGTCATGACCTY	13	12709	0.00E+00	MA1553.2
34	JASPAR	RARA::RXRG	RGGTCAHNNNRRGGTCA	17	14044	9.45E-206	MA1149.2
34	JASPAR	RXRB	RRGGTCATGACCYY	14	14713	1.14E-182	MA1555.1
34	JASPAR	RARB	RAGGTCATGACCT	13	14846	8.21E-143	MA1552.2
34	JASPAR	RORC	AWNTRGGTCA	10	9396	2.48E-108	MA1151.2
34	JASPAR	RORB	AWWTRGGTCA	10	99047	5.85E-80	MA1150.2
34	JASPAR	RORA	AWMWAGGTCA	10	6272	1.00E-72	MA0071.1
34	JASPAR	NR1H4::RXRA	AGKTCATTGACCY	13	2936	1.03E-42	MA1146.2
34	JASPAR	NR4A2::RXRA	RGGTCRTTGACCY	13	15838	4.49E-33	MA1147.2
34	JASPAR	BCL11A	CTGACCA	7	66745	1.27E-19	MA2324.1
34	JASPAR	ESR1	RGGTCACSRTGACCT	15	62	4.28E-07	MA0112.4
34	JASPAR	ESR2	AGGTCASVNTGMCCY	15	62	4.28E-07	MA0258.2
35	JASPAR	ZNF184	KAGAAAGDNGMAT	13	44182	0.00E+00	MA2120.1
36	JASPAR	EGR4	MCGCCCACGCA	11	112791	0.00E+00	MA0733.2
36	JASPAR	EGR1	MCGCCCACGC	10	37863	0.00E+00	MA0162.5
36	JASPAR	EGR2	MCGCCCACGCA	11	19636	3.15E-12	MA0472.2
37	JASPAR	Vdr	GAGTTCA	7	7122	0.00E+00	MA0693.4
38	STREME	STREME-10	10-CTGACACCMK	10	2712	8.08E-54	MA0498.3 (MEIS1)
39	JASPAR	Gfi1B	AAATCWCWGC	10	7358	0.00E+00	MA0483.2
40	JASPAR	Rfx6	CCTAGCAAC	9	3287	0.00E+00	MA1724.2

40	JASPAR	RFX4	GTTGCYWRGCAAC	13	1352	1.60E-38 MA0799.3
41	STREME	STREME-7	CAMWTCYTCRMCDDM	15	4532	7.38E-99 MA1589.2 (ZNF140)
41	STREME	STREME-30	30-CCACATCCWCGCCAG	15	567	1.70E-15 MA1107.3 (KLF9)
42	JASPAR	GSC2	TAATCC	6	23571	0.00E+00 MA0891.2
42	JASPAR	OTX1	TAATCC	6	19291	0.00E+00 MA0711.2
42	JASPAR	Dmbx1	RWNMGGATTA	10	17611	0.00E+00 MA0883.2
42	JASPAR	PITX3	TAATCC	6	17379	0.00E+00 MA0714.2
42	JASPAR	GSC	TAATCC	6	9926	1.75E-114 MA0648.2
42	JASPAR	OTX2	RGGATTA	7	27512	1.30E-93 MA0712.3
42	JASPAR	Crx	GGATTA	6	32912	6.29E-83 MA0467.3
42	JASPAR	PITX1	TAATCC	6	6124	1.86E-26 MA0682.3
43	JASPAR	Zfp809	WTCCCAGCC	9	5137	0.00E+00 MA2125.1
44	JASPAR	ASCL1	GCAGCTGC	8	168101	0.00E+00 MA1100.3
44	JASPAR	TCF3	CACCTGC	7	13318	4.42E-217 MA0522.4
44	JASPAR	TFAP4	AWCAGCTGWT	10	18207	6.43E-200 MA0691.1
44	JASPAR	TCF12	CACCTGC	7	11988	5.79E-172 MA1648.2
44	JASPAR	MSC	AACAGCTGTT	10	12698	4.30E-153 MA0665.1
44	JASPAR	Tcf12	CAGCTG	6	51494	7.16E-116 MA0521.3
44	JASPAR	SNAI3	RCAGGTGYA	9	24871	1.40E-112 MA1559.2
44	JASPAR	NHLH2	GGNCGCAGCTGCGYCC	16	635	8.79E-54 MA1529.2
44	JASPAR	TGIF2LY	TGACAGCTGTCA	12	1183	2.92E-31 MA1572.1
44	JASPAR	TFAP4::ETV1	SCGGAAGCAGSTG	13	1806	4.33E-26 MA1966.2
44	JASPAR	ASCL1	GCACCTGCY	9	22975	1.17E-24 MA1631.2
44	JASPAR	Tcf21	AACAGCTGTT	10	2994	3.77E-21 MA0832.2
44	JASPAR	TGIF2LX	TGACAGCTGTCA	12	1257	6.27E-20 MA1571.1
44	JASPAR	MYB	CAACTG	6	38987	1.57E-18 MA0100.4
44	JASPAR	TCF4	GCACCTGC	8	34287	1.54E-13 MA0830.3
45	JASPAR	ZNF524	CTCGRACCC	9	11815	0.00E+00 MA2096.1
46	JASPAR	ZNF667	TTAAGAGCTCA	11	15954	0.00E+00 MA1984.2
47	JASPAR	Zic3	CAGCAGG	7	195963	0.00E+00 MA0697.3
47	JASPAR	Zic1::Zic2	CAGCAGG	7	17045	0.00E+00 MA1628.2
47	JASPAR	Zic2	CACAGCAGG	9	48570	4.18E-240 MA1629.2
48	JASPAR	ZBTB12	CTRGAAC	7	134443	0.00E+00 MA1649.2
49	JASPAR	MZF1	AATCCCCA	8	77770	0.00E+00 MA0056.3
50	STREME	STREME-12	12-AGGATCMAGY	10	3521	3.23E-49 MA1581.2 (ZBTB6)
51	STREME	STREME-11	11-AGTAGACGGCAGG	13	2120	8.01E-52 11-AGTAGACGGCAGG
52	STREME	STREME-9	CTCCCTCCCTCCCTC	15	2021	8.49E-56 MA1965.2 (SP5)
52	JASPAR	SP5	CCTCCC	6	44789	6.30E-45 MA1965.2
52	STREME	STREME-20	20-CCTCCCCCCCCCCCC	15	2299	8.67E-21 MA1630.3 (ZNF281)
52	STREME	STREME-54	54-CCCCCCCCCACTCC	14	1273	1.41E-06 MA0753.3 (ZNF740)
52	STREME	STREME-56	56-CCCCCCCCCCCRC	13	11068	1.94E-06 MA1630.3 (ZNF281)
53	STREME	STREME-13	13-GGYACTGCA	9	5634	1.02E-47 MA0019.2 (Ddit3::Cebpa)
54	STREME	STREME-58	58-AGCTCCAAAC	10	369	3.81E-06 58-AGCTCCAAAC
55	STREME	STREME-14	14-AGTTCTTTATA	11	2334	1.31E-42 14-AGTTCTTTATA
56	JASPAR	ZNF549	TGCTGCCC	8	24263	0.00E+00 MA1728.2
57	JASPAR	ZNF135	CCTCGACCTCCYRR	14	8084	0.00E+00 MA1587.1
57	JASPAR	ZNF460	GCCTCMGCCTCCCRAG	16	8380	1.14E-31 MA1596.1
58	JASPAR	Ddit3::Cebpa	RTGCAATMCC	10	60460	0.00E+00 MA0019.2
59	JASPAR	Zfp961	GGGCGCCA	8	111769	0.00E+00 MA2126.1
59	JASPAR	ZNF417	GGCGCCA	7	42965	6.40E-174 MA1727.2
60	JASPAR	HLF	TTATGCAAC	9	4121	0.00E+00 MA0043.4
60	JASPAR	NFIL3	TTATGYAAT	9	4358	3.50E-229 MA0025.3
60	JASPAR	TEF	RTTACRTAAY	10	3310	1.74E-138 MA0843.2
60	JASPAR	DBP	RTTACGTAAY	10	3671	8.71E-86 MA0639.2
60	JASPAR	CEBPA	ATTGCACAAT	10	2622	6.06E-72 MA0102.5
60	JASPAR	CEBPD	TTGCACAA	8	7897	2.31E-39 MA0836.3
60	JASPAR	CEBPG	ATTRCGCAAY	10	7859	1.19E-10 MA0838.1
61	JASPAR	POU3F2	WTATGCWAATKA	12	21898	0.00E+00 MA0787.1
61	JASPAR	POU2F3	TATGCAAAT	9	10508	7.31E-267 MA0627.3
61	JASPAR	POU3F1	WTATGCWAAT	10	24686	1.84E-230 MA0786.2
61	JASPAR	POU5F1B	TATGCWAAT	9	24885	1.96E-150 MA0792.1
61	JASPAR	POU2F1	TATGCWAAT	9	22394	4.68E-115 MA0785.2
61	JASPAR	Pou5f1::Sox2	CWTTGTYATGCAAAT	15	4928	1.28E-112 MA0142.1
61	JASPAR	POU2F2	WTATGCAAATKAG	13	1811	5.82E-97 MA0507.3
61	JASPAR	POU2F1::SOX2	MATTTRCATMACAATRG	17	5872	1.20E-90 MA1962.1
61	JASPAR	POU3F4	TATGCWAAT	9	14786	3.25E-86 MA0789.1
61	JASPAR	POU3F3	WWTATGCWAATTW	13	26018	6.12E-23 MA0788.1
62	JASPAR	HNF4A	CAAAGTCCA	9	11992	0.00E-02 MA0114.5

62	JASPAR	HNF4G	CAAAGTCCA	9	11062	2.24E-178 MA0484.3
63	JASPAR	PAX6	TTCACGCWTSANTK	14	3067	0.00E-02 MA0069.1
63	JASPAR	PAX2	BCAVTSRAGCGTGACG	16	280	1.77E-08 MA0067.3
64	STREME	STREME-16	16-TCAACGAATTAGAA	14	1439	8.66E-32 16-TCAACGAATTAGAA
65	STREME	STREME-48	48-TCCCTTGTCGAAAA	14	302	9.32E-08 48-TCCCTTGTCGAAAA
66	JASPAR	Tbx6	RGGTGTGAA	9	62411	1.12E-283 MA1567.3
66	JASPAR	TBX2	AGGTGTGAA	9	4432	1.74E-272 MA0688.2
66	JASPAR	TBX15	AGGTGTGA	8	17518	2.07E-253 MA0803.1
66	JASPAR	TBX18	AGGTGTGAA	9	63779	1.06E-242 MA1565.2
66	JASPAR	TBX21	TTCACACCTT	10	19389	1.34E-242 MA0690.3
66	JASPAR	TBX5	AGGTGTKA	8	10777	1.08E-223 MA0807.1
66	JASPAR	TBX3	AGGTGTGAA	9	5616	7.69E-181 MA1566.3
66	JASPAR	TBR1	AGGTGTGAA	9	1139	4.97E-139 MA0802.2
66	JASPAR	TBX1	AGGTGTGA	8	34435	1.32E-129 MA0805.1
66	JASPAR	EOMES	AGGTGTGAA	9	1172	4.19E-128 MA0800.2
66	JASPAR	TBX4	AGGTGTGA	8	36240	2.40E-93 MA0806.1
66	JASPAR	MGA	AGGTGTGA	8	79918	1.66E-83 MA0801.1
66	JASPAR	TBXT	TCACACMTAKGTGTGA	16	4247	1.29E-72 MA0009.2
66	JASPAR	MGA::EVX1	RGGTGWTAATK	11	2280	8.43E-50 MA1960.2
66	JASPAR	TBX19	TMRCACMTAGGTGTGAA	17	3641	8.42E-48 MA0804.2
66	JASPAR	TBX20	WAGGTGTGAAR	11	8903	2.23E-27 MA0689.1
67	STREME	STREME-18	18-CACCCGMAAR	10	1165	2.48E-26 MA0641.1 (ELF4)
68	JASPAR	TFAP2A	TGCCCYSRGGGCA	13	16469	1.20E-277 MA0872.1
68	JASPAR	TFAP2B	TGCCCYBRGGGCA	13	14004	3.49E-226 MA0813.1
68	JASPAR	TFAP2C	TGCCCYSRGGGCA	13	13476	8.91E-203 MA0815.1
69	STREME	STREME-19	19-TAGAGGGCACAGGGA	15	920	4.67E-25 MA2337.1 (Nr1h3)
70	JASPAR	POU6F2	ASCTMATTA	9	4297	4.56E-262 MA0793.2
70	JASPAR	PAX4	CTAATTAG	8	2280	4.61E-193 MA0068.2
70	JASPAR	GSX2	SYMATTA	7	2358	1.40E-184 MA0893.3
70	JASPAR	LMX1B	TTAATTAA	8	2340	3.48E-176 MA0703.3
70	JASPAR	VSX1	YTAATTA	7	2326	1.84E-170 MA0725.2
70	JASPAR	MEOX1	STAATTA	7	2404	1.86E-169 MA0661.2
70	JASPAR	VSX2	CTAATTA	7	2333	2.46E-169 MA0726.2
70	JASPAR	Isl1	CCATTAG	7	82501	4.79E-148 MA1608.2
70	JASPAR	MEOX2	STAATTA	7	2444	2.35E-144 MA0706.2
70	JASPAR	Lhx1	GCTAATTAGC	10	1087	1.61E-135 MA1518.3
70	JASPAR	BARX2	WAAYMATTA	9	2333	2.19E-133 MA1471.2
70	JASPAR	ARGFX	CTAATTAR	8	1011	5.40E-94 MA1463.2
70	JASPAR	mix-a	TTAATTA	7	2988	5.38E-90 MA0621.2
70	JASPAR	POU6F1	TAATGAG	7	8418	1.06E-88 MA1549.2
70	JASPAR	LHX6	CTAATTAR	8	2319	2.36E-75 MA0658.2
70	JASPAR	PRRX2	CTAATTA	7	2342	6.61E-67 MA0075.4
70	JASPAR	NOTO	YTAATTA	7	2532	7.02E-61 MA0710.2
70	JASPAR	VAX1	YTAATTA	7	2633	2.35E-56 MA0722.2
70	JASPAR	EVX1	TAATTA	6	6743	2.76E-56 MA0887.2
70	JASPAR	EVX2	TAATTA	6	6753	6.91E-54 MA0888.2
70	JASPAR	GBX1	CYAATTA	7	4996	2.86E-50 MA0889.2
70	JASPAR	DRGX	YAATTA	6	2836	4.50E-48 MA1481.2
70	JASPAR	NKX6-2	YMATTA	6	4881	8.74E-47 MA0675.2
70	JASPAR	LMX1A	TTAATTA	7	2571	6.95E-46 MA0702.3
70	JASPAR	GSX1	YMATTA	6	4748	5.36E-45 MA0892.2
70	JASPAR	HOXD4	TMATTA	6	15102	2.65E-39 MA1507.2
70	JASPAR	TLX2	YAATTA	6	2867	1.04E-38 MA1577.2
70	JASPAR	GBX2	YAATTA	6	4822	4.01E-37 MA0890.2
70	JASPAR	POU6F1	TAATTA	6	9502	1.40E-35 MA0628.2
70	JASPAR	RAX	YAATTA	6	3128	1.25E-34 MA0718.2
70	JASPAR	UNCX	YAATTA	6	2879	2.98E-34 MA0721.2
70	JASPAR	BSX	YVATTA	6	6419	4.13E-33 MA0876.2
70	JASPAR	VAX2	YAATTA	6	18639	7.45E-32 MA0723.3
70	JASPAR	PRRX1	YAATTA	6	2892	2.42E-31 MA0716.2
70	JASPAR	HOXB3	YMATTA	6	5537	2.84E-31 MA0903.2
70	JASPAR	ALX3	YAATTA	6	2892	2.93E-31 MA0634.2
70	JASPAR	Shox2	YAATTA	6	2933	7.66E-30 MA0720.2
70	JASPAR	MIXL1	YAATTA	6	2896	1.69E-29 MA0662.2
70	JASPAR	HOXC4	TMATTA	6	15848	1.58E-28 MA1504.2
70	JASPAR	BARX1	CMATTA	6	15609	2.60E-28 MA0875.2
70	JASPAR	HOXD3	CTAATTAC	8	10323	1.76E-25 MA0912.2
70	JASPAR	HOXB4	TMATTA	6	16526	5.45E-25 MA1499.2

70	JASPAR	LHX9	CYAATTA	7	17911	2.24E-24 MA0701.3
70	JASPAR	EN2	SYAATTA	7	12181	2.64E-24 MA0642.3
70	JASPAR	HOXA7	YMATTA	6	3699	6.62E-22 MA1498.3
70	JASPAR	HOXB1	STAATTA	7	5566	3.50E-20 MA2093.1
70	JASPAR	DLX6	YAATTA	6	5553	1.99E-14 MA0882.2
70	JASPAR	SHOX	TAATTR	6	5284	1.56E-11 MA0630.2
70	JASPAR	HOXA2	TAATTA	6	11508	2.86E-11 MA0900.3
70	JASPAR	HOXA4	RTMATTA	7	6500	6.39E-10 MA1496.2
70	JASPAR	Arx	CRYTAATTAR	10	3834	2.86E-09 MA0874.2
70	JASPAR	HOXB6	TAATKRC	7	17594	1.01E-08 MA1500.2
70	JASPAR	HOXA5	GYMATTAS	8	7342	3.16E-08 MA0158.2
70	JASPAR	HOXB5	TAATTA	6	12602	3.84E-06 MA0904.3
71	JASPAR	RARA::RXRA	RGKTCANVGRSAGGTCA	17	7848	1.61E-260 MA0159.1
71	JASPAR	Pparg::Rxra	RGGGCARAGGKCA	13	3418	5.92E-217 MA0065.3
71	JASPAR	THRB	TGACCTBRNYVAGGTCA	17	832	5.53E-14 MA1575.2
72	JASPAR	NR6A1	CAAGKTCAAGKTCA	14	1369	2.34E-248 MA1541.2
73	JASPAR	ZNF530	GMARGGMRAGGGGC	14	30063	6.62E-239 MA1981.2
74	JASPAR	ZNF354C	MTCCAC	6	16373	1.37E-236 MA0130.1
75	JASPAR	RHOXF1	TRATCC	6	13730	3.88E-228 MA0719.2
76	JASPAR	ZNF680	CCAAGAAGAAT	11	2340	7.80E-228 MA1729.2
77	STREME	STREME-17	17-GCAATCKGCARAT	13	1193	1.13E-26 17-GCAATCKGCARAT
78	JASPAR	Plagl1	TGGGGCCA	8	109789	4.02E-217 MA1615.2
79	JASPAR	Gmeb1	KACGTM	6	105504	1.54E-216 MA0615.2
80	JASPAR	PGR	ACANNNTGT	9	46238	1.51E-207 MA2327.1
81	JASPAR	ZBED2	CGAAACC	7	22375	7.99E-207 MA1971.2
82	STREME	STREME-32	32-AGGTGTGTKGG	11	1166	2.33E-15 MA0803.1 (TBX15)
83	STREME	STREME-21	21-CACGACAAAAC	11	903	1.12E-20 21-CACGACAAAAC
84	JASPAR	THAP1	GCAGGGCA	8	36819	2.72E-202 MA0597.3
85	JASPAR	MYBL2	RRCCGTTAAACBGYY	15	2267	5.76E-195 MA0777.1
85	JASPAR	MYBL1	ACCGTTAACSGY	12	2959	1.04E-190 MA0776.1
86	JASPAR	ZNF677	RATAAGAACAGC	12	56391	1.06E-192 MA2101.1
87	JASPAR	MEIS1	TGACA	5	122495	2.50E-186 MA0498.3
87	JASPAR	MEIS3	DTGACAG	7	13381	3.35E-22 MA0775.2
88	JASPAR	ZNF274	TRTGAGTTCTCG	12	2058	9.88E-184 MA1592.2
89	JASPAR	Prdm5	GTTCTCCATCT	11	2647	1.85E-181 MA1999.2
90	STREME	STREME-28	28-CCCATAATCAGCWTC	15	826	1.28E-16 MA0752.2 (ZNF410)
91	JASPAR	ZNF684	ACAGTCCACCCCTT	14	969	9.66E-57 MA1600.2
91	STREME	STREME-34	34-AAGGGCTGGAT	11	890	1.40E-14 MA1600.2 (ZNF684)
92	JASPAR	GATA4	CCTTATCT	8	63783	3.22E-178 MA0482.3
92	JASPAR	GATA1	CTAATCT	7	6120	5.79E-41 MA0035.5
92	JASPAR	Gata3	TCTTATCT	8	326	2.15E-25 MA0037.5
92	JASPAR	GATA6	TCTTATCT	8	329	1.11E-24 MA1104.3
92	JASPAR	TRPS1	TCTTATCT	8	337	2.04E-21 MA1970.2
92	JASPAR	GATA5	WGATAASR	8	2198	1.07E-17 MA0766.3
92	JASPAR	GATA2	CTTATCT	7	753	3.37E-12 MA0036.4
93	JASPAR	ZBTB6	SCTTGAGCC	9	1551	1.16E-176 MA1581.2
94	JASPAR	HOXD12	RGTCGTAAAA	10	2268	1.76E-176 MA0873.2
94	JASPAR	HOXC13	CTCGTAAAA	9	3190	4.40E-82 MA0907.2
94	JASPAR	HOXC12	RGTCGTAAAA	10	6407	2.33E-31 MA0906.2
94	JASPAR	Hoxa11	GTCGTAAAA	9	6849	2.96E-23 MA0911.2
94	JASPAR	HOXC10	GTCRTAAAA	9	6945	3.71E-11 MA0905.2
95	JASPAR	TBP	TATAAAW	7	25029	5.91E-175 MA0108.3
96	JASPAR	ZBED4	CCCGCYCCGC	10	6355	7.39E-172 MA2328.1
97	JASPAR	Sox17	AGAACAATGG	10	2183	5.63E-169 MA0078.3
97	JASPAR	Sox7	AGAACAATGG	10	2284	1.65E-123 MA2095.1
97	JASPAR	SOX14	CGAACAATG	9	2603	8.16E-56 MA1562.2
97	JASPAR	SOX13	ACAATGG	7	50133	3.02E-43 MA1120.2
97	JASPAR	Sox3	ACAATGG	7	52078	2.74E-27 MA0514.3
97	JASPAR	SOX2	ACAATGG	7	54576	2.40E-23 MA0143.5
97	JASPAR	SOX18	AACAATDV	8	2786	4.84E-17 MA1563.2
98	STREME	STREME-24	24-CGTGTGGRCC	10	783	1.74E-18 24-CGTGTGGRCC
99	MEME	MEME-2	HMAAAAAAAAAAAM	15	389127	8.40E-93 MA1978.2 (ZNF354A)
99	JASPAR	FOXD3	WAWGHAAATAAACA	14	2754	1.64E-19 MA0041.3
99	JASPAR	ZNF354A	WAADWATAAATGRAYWAWTT	20	22104	1.24E-18 MA1978.2
100	JASPAR	RELB	ATTCCCC	7	121494	1.09E-163 MA1117.2
101	STREME	STREME-40	40-GTTAAGGA	8	348	5.60E-11 40-GTTAAGGA
102	STREME	STREME-61	61-TGCATACA	8	950	7.62E-05 61-TGCATACA
103	JASPAR	Dmrt1	TACAAAGTA	9	2547	1.82E-157 MA1603.2

104	JASPAR	ZFP57	TGCCGCA	7	61359	2.00E-157 MA1583.2
105	JASPAR	Tfcp2l1	CCAGYYYVADCCRG	14	72182	1.51E-152 MA0145.2
106	JASPAR	DMRTA2	GHTACA	6	118469	1.64E-151 MA1478.2
107	STREME	STREME-25	25-ACTTCGCCCAGTCCA	15	755	4.40E-17 25-ACTTCGCCCAGTCCA
108	STREME	STREME-47	47-GATTCAA	7	1734	2.32E-08 MA0611.3 (Dux)
109	JASPAR	ZBTB7C	CGACCACC	8	148955	1.75E-139 MA0695.2
109	JASPAR	Gli2	GACCACCCA	9	20291	2.64E-84 MA0734.4
109	JASPAR	ZBTB7B	CGACCACCGA	10	34361	1.03E-37 MA0694.2
110	STREME	STREME-35	35-ATATCCAG	8	3204	1.83E-14 35-ATATCCAG
111	JASPAR	ZKSCAN1	AYAGTAGGT	9	2071	5.04E-138 MA1585.2
112	JASPAR	PAX3	SGTCACGSYWATTA	14	4170	1.30E-136 MA1546.2
113	JASPAR	Wt1	CCTCCCCCAC	10	140193	1.81E-203 MA1627.2
113	STREME	STREME-29	29-CGACTCCCCCACC	13	645	9.42E-16 MA1627.2 (Wt1)
114	JASPAR	ZNF449	AAGCCCAACC	10	11706	8.33E-131 MA1656.2
115	JASPAR	RFX7	CGTTGCYA	8	2703	1.71E-130 MA1554.2
116	STREME	STREME-55	55-GGATCCACCCC	11	263	1.84E-06 55-GGATCCACCCC
117	JASPAR	ZNF784	ACYTACCG	8	26886	5.33E-123 MA1717.2
118	JASPAR	ZNF770	CGGCCTCA	8	121151	4.14E-122 MA2099.1
119	JASPAR	ZNF410	MCATCCCATAATAHTC	16	545	6.49E-119 MA0752.2
120	JASPAR	ZNF75A	GCTTTTCCCACA	12	2156	7.60E-119 MA2097.1
121	JASPAR	ZNF343	CCGCTTCMCCDCGGCM	16	1396	6.38E-117 MA1711.2
122	STREME	STREME-39	39-GAGGGAGAAACCAAA	15	566	2.50E-11 39-GAGGGAGAAACCAAA
123	JASPAR	ZNF582	TCTGTTACTTGCAGCCAAA	19	2051	2.07E-114 MA1983.2
124	STREME	STREME-44	44-ATAGGGCGGACCT	13	565	7.46E-09 MA0131.3 (HINFP)
125	JASPAR	Zfx	GCCBVGGCCT	10	24744	6.79E-113 MA0146.3
126	JASPAR	ZBTB17	AATCGATT	8	65180	1.64E-112 MA2102.1
126	JASPAR	Pax7	TAATCAATTA	10	1663	1.51E-80 MA0680.3
126	JASPAR	PAX3	TAATYRATTA	10	1698	2.04E-42 MA0780.1
126	JASPAR	CUX1	TAATCGATA	9	152	8.50E-11 MA0754.3
127	STREME	STREME-49	49-GRGGAACCGMC	11	672	2.56E-07 MA1725.2 (ZNF189)
128	JASPAR	Hmga1	ATTTTTAW	8	15354	4.04E-111 MA2124.1
129	JASPAR	ZNF652	AAGRGTTAA	9	3426	1.74E-109 MA1657.2
130	JASPAR	Ebf4	TCCCCAGGGGA	11	10681	9.04E-109 MA2122.1
130	JASPAR	Ebf2	CCCAAGGGA	9	4838	2.38E-72 MA1604.2
130	JASPAR	EBF1	TCCCCAGGGGA	11	12365	1.56E-71 MA0154.5
130	JASPAR	EBF3	CCCAAGGGA	9	6213	1.10E-54 MA1637.2
131	JASPAR	ISL2	CAMTTA	6	187083	3.31E-100 MA0914.2
132	JASPAR	SIX2	TGAAACCTGAT	11	64879	2.31E-98 MA1119.2
132	JASPAR	SIX1	GWAACCTGA	9	3078	3.73E-93 MA1118.2
132	JASPAR	Six4	AACCTGA	7	1395	4.11E-79 MA2001.2
133	STREME	STREME-36	36-ATGCCCAGGA	10	2647	9.73E-14 MA1979.2 (ZNF416)
134	JASPAR	TEAD1	ACATTCCAG	9	33761	6.85E-95 MA0090.4
134	JASPAR	TEAD3	RCATTCCW	8	13870	7.97E-48 MA0808.1
134	JASPAR	TEAD4	ACATTCCA	8	16731	1.92E-27 MA0809.3
135	JASPAR	FOS::JUN	ATGAGTCAY	9	4086	1.89E-93 MA0099.4
135	JASPAR	FOSL2::JUN	RTGAGTCAY	9	4045	6.41E-91 MA1130.2
135	JASPAR	FOSL2::JUND	ATGACTCAT	9	4676	1.66E-85 MA1144.2
135	JASPAR	FOSL2	RRTGASTCAB	10	5217	8.51E-83 MA0478.2
135	JASPAR	FOSL2::JUNB	RTGASTCAT	9	4809	7.72E-79 MA1138.2
135	JASPAR	FOS::JUND	ATGAGTCAT	9	4183	2.44E-76 MA1141.2
135	JASPAR	FOSB::JUNB	RTGASTCAT	9	4774	6.22E-72 MA1135.2
135	JASPAR	BNC2	TGAGTCA	7	24407	2.10E-67 MA1928.2
135	JASPAR	BACH1	ATGACTCAT	9	4531	3.09E-67 MA1633.2
135	JASPAR	NFE2	ATGACTCATS	10	2193	3.04E-66 MA0841.2
135	JASPAR	JUN::JUNB	ATGACKCA	8	4741	9.91E-58 MA1132.2
135	JASPAR	FOSL1::JUN	ATGACTCAT	9	4504	1.99E-52 MA1128.2
135	JASPAR	Atf3	TGACTCA	7	53331	7.20E-52 MA1988.2
135	JASPAR	FOS::JUNB	ATGASTCAT	9	7907	1.91E-42 MA1134.2
135	JASPAR	FOSL1::JUNB	RTGACTCAT	9	5657	5.55E-41 MA1137.2
135	JASPAR	MAFK	MTGACTCAGC	10	5923	1.75E-34 MA0496.4
135	JASPAR	BATF3	TGACTCA	7	20921	1.47E-33 MA0835.3
135	JASPAR	Jun	TGACTCAT	8	27303	1.91E-33 MA0489.3
135	JASPAR	FOSL1::JUND	RTGACTCA	8	4785	7.45E-30 MA1142.2
135	JASPAR	BATF::JUN	TGACTCA	7	18381	1.96E-28 MA0462.3
135	JASPAR	BATF	TGACTCA	7	1520	1.69E-22 MA1634.2
135	JASPAR	Nfe2l2	ATGACTCAGCA	11	6697	3.28E-15 MA0150.3
135	JASPAR	FOSL1	ATGACTCAT	9	14364	7.45E-09 MA0477.3
135	JASPAR	JUND	ATGACTCAT	9	8288	4.58E-06 MA0491.2

136	JASPAR	ZNF148	CCCCTCCCCC	10	128502	0.00E+00	MA1653.2
136	JASPAR	VEZF1	CCCCCC	6	129998	9.61E-198	MA1578.2
136	MEME	MEME-3	SGGGGGGGGGGGGGGG	15	16917	3.20E-154	MA0753.3 (ZNF740)
136	JASPAR	ZNF740	CCCCCCCCAC	10	93599	3.88E-129	MA0753.3
136	JASPAR	RREB1	CCCCMAAMCAMCCMCMMMC	19	1833	1.27E-30	MA0073.2
136	JASPAR	PRDM9	RGDGGGVAGGGRGGVRRMA	20	19583	3.46E-22	MA1723.2
137	JASPAR	REST	TCAGCACCATGGACAGCDCC	20	1624	4.27E-87	MA0138.3
138	STREME	STREME-45	45-AAATGGCTATCT	12	428	1.42E-08	45-AAATGGCTATCT
139	STREME	STREME-41	41-CCCATATYA	9	321	8.98E-10	MA0752.2 (ZNF410)
139	STREME	STREME-43	43-CCCAKATTAA	10	683	6.91E-09	MA0752.2 (ZNF410)
140	JASPAR	POU4F3	TGMATWATTAAT	12	4622	2.25E-83	MA0791.2
140	JASPAR	HNF1A	RTTAATNATTAAC	13	2597	1.27E-76	MA0046.3
140	JASPAR	POU4F1	TGMATAATTAAT	12	2273	4.04E-48	MA0790.2
140	JASPAR	HNF1B	GTTAATNATTAAY	13	2684	4.25E-32	MA0153.2
140	JASPAR	Arid3b	TATTAAT	7	139	8.70E-09	MA0601.2
141	STREME	STREME-42	42-CGGGGCTCGAGT	12	392	4.49E-09	MA1581.2 (ZBTB6)
142	JASPAR	Stat5b	TTCCCAGAA	9	16641	6.62E-76	MA1625.2
142	JASPAR	RBPJ	TGGGAA	6	31924	1.82E-52	MA1116.2
142	JASPAR	Stat5a	TTCCAAGAA	9	3002	6.64E-47	MA1624.2
142	JASPAR	Stat4	TTCYRGGAAR	10	3250	1.99E-35	MA0518.2
142	JASPAR	BCL6	GCTTTCKAGGAAY	13	2865	6.94E-22	MA0463.3
143	JASPAR	TFCP2	AAACCGGTT	9	42143	5.51E-73	MA1968.2
143	JASPAR	GRHL2	AACAGGTT	8	1771	5.88E-34	MA1105.3
143	JASPAR	GRHL1	AAACCGGTTT	10	2882	6.79E-31	MA0647.2
144	STREME	STREME-38	38-AATAGAAGCAGT	12	425	5.46E-12	38-AATAGAAGCAGT
145	JASPAR	YY2	ATGGCGG	7	8417	2.49E-71	MA0748.3
146	JASPAR	Arid3a	ATYAAA	6	1782	3.24E-70	MA0151.1
147	JASPAR	Foxq1	ATTGTTTATW	10	4084	5.26E-68	MA0040.2
147	JASPAR	Foxj2	RTAAACAA	8	1259	6.98E-07	MA0614.1
148	JASPAR	Ahr::Arnt	GCGTG	5	60010	1.34E-67	MA0006.2
149	JASPAR	ZNF416	TATCTGGGCA	10	619	1.87E-67	MA1979.2
150	JASPAR	Nanog	GCAATCA	7	87453	1.47E-66	MA2339.1
151	JASPAR	Znf423	GSMMCCYARGGKKBM	15	4922	2.63E-59	MA0116.1
152	STREME	STREME-46	46-AAAGAAAAGGGGGAK	15	283	1.44E-08	46-AAAGAAAAGGGGGAK
153	JASPAR	ZNF136	RWATTCTTGGTTGRC	15	2774	1.38E-57	MA1588.1
154	JASPAR	ZBTB24	CCCAGGACCC	10	2407	1.34E-55	MA2330.1
155	STREME	STREME-62	62-TAGAAAAAACA	11	490	1.11E-03	MA1125.2 (ZNF384)
156	JASPAR	HOXA6	GYMATTA	7	3883	1.04E-54	MA1497.2
156	JASPAR	LHX2	CAATTA	6	3052	1.19E-34	MA0700.3
156	JASPAR	HOXA9	RTCGTWA	7	128445	2.04E-34	MA0594.3
156	JASPAR	Dlx2	GCAATTAG	8	2401	4.73E-32	MA0885.3
156	JASPAR	LBX2	YAATTA	6	2893	3.02E-31	MA0699.2
156	JASPAR	RAX2	YAATTA	6	2897	1.74E-29	MA0717.2
156	JASPAR	Dlx5	GCAATTAG	8	2423	5.45E-27	MA1476.3
156	JASPAR	Hmx3	AGCAATTA	9	3362	3.88E-22	MA0898.2
156	JASPAR	Dlx3	YAATTA	6	5665	3.04E-08	MA0880.2
157	STREME	STREME-51	51-GGACTCCCCA	10	341	6.01E-07	MA0105.4 (NFKB1)
158	JASPAR	ZNF263	GGGAGGA	7	19451	1.64E-53	MA0528.3
159	JASPAR	MEIS2	TTGACAGS	8	9916	4.86E-53	MA0774.1
160	JASPAR	Prdm15	GAAAACCTGGA	11	31039	9.06E-47	MA1616.2
161	JASPAR	BARHL1	CGTTTA	6	51580	2.30E-46	MA0877.4
162	JASPAR	Prdm14	GGTCTCTA	8	5742	3.17E-46	MA1998.2
163	JASPAR	Nfatc2	AATGGAAA	8	37600	3.52E-44	MA0152.3
163	JASPAR	Nfat5	ATGGAAAA	8	384	2.53E-15	MA0606.3
163	JASPAR	Nfatc1	TGGAAA	6	72006	2.47E-08	MA0624.3
164	JASPAR	ZSCAN21	AAGCACT	7	154702	1.32E-41	MA2336.1
165	JASPAR	Rhox11	CGCTGTWAW	9	3499	1.04E-38	MA0629.2
166	JASPAR	ZNF35	AATTCTA	7	19472	8.45E-37	MA2333.1
167	JASPAR	MAFA	TGCTGASTCAGCA	13	2201	1.38E-36	MA1521.2
167	JASPAR	MAF	TGCTGASTCAGCA	13	2230	6.89E-19	MA1520.2
168	JASPAR	NRL	AWWNTGCTGACG	12	3324	1.95E-33	MA0842.3
168	JASPAR	Mafb	AWWNTGCTGAC	11	2596	4.03E-25	MA0117.3
168	JASPAR	MAFF	GTCAGCATTTT	11	4319	5.58E-08	MA0495.4
169	JASPAR	HINFP	RCGTCCGC	8	1695	1.93E-32	MA0131.3
170	JASPAR	TFAP2A	GCCTCAGGC	9	88646	1.01E-30	MA0003.5
171	JASPAR	Npas4	TCGTGAC	7	107474	2.98E-30	MA1995.2
172	JASPAR	HSF2	TTCTAGAAYRTTC	13	3837	4.52E-30	MA0770.1
173	JASPAR	IRF5	CCGAAACCGAAACY	14	12731	7.46E-30	MA1420.1

173	JASPAR	IRF7	CGAAARYGAAAVT	13	2031	8.06E-18	MA0772.2
173	JASPAR	IRF3	RRAAMGGAAACCGAAAC	17	258	2.19E-12	MA1418.2
174	JASPAR	Zfp335	TCAGGCA	7	3041	1.71E-29	MA2002.2
175	JASPAR	ZNF341	GAACAGCC	8	155554	1.33E-26	MA1655.2
176	JASPAR	ZNF257	GAGGCRAGRG	10	5644	3.84E-26	MA1710.2
177	JASPAR	ZNF214	TCATCAABGTCCT	13	2924	7.78E-25	MA1975.2
178	JASPAR	SMAD2	CCAGAC	6	674	1.88E-24	MA1964.2
179	JASPAR	Stat6	TTCCWSAGAA	10	343	2.00E-22	MA0520.2
180	JASPAR	ZNF692	GGGCCCAS	8	269	1.01E-20	MA1986.2
181	JASPAR	NKX2-2	CCACTCAA	8	2627	1.18E-20	MA1645.2
181	JASPAR	NKX2-5	CACTCAA	7	3229	3.31E-19	MA0063.3
182	JASPAR	NFYA	CCAATCAG	8	28750	1.46E-20	MA0060.4
182	JASPAR	NFYC	CCAATCA	7	25361	5.90E-20	MA1644.2
183	JASPAR	MEF2B	RCTAWAAATAGC	12	88	4.78E-20	MA0660.1
183	JASPAR	MEF2D	DCTAWAAATAGM	12	88	4.78E-20	MA0773.1
183	JASPAR	MEF2A	CTAAAAATAG	10	114	7.72E-11	MA0052.5
184	JASPAR	ZKSCAN5	GGARGTGAG	9	1338	1.75E-18	MA1652.2
185	JASPAR	Foxl2	WATGTAAACA	10	35204	2.66E-17	MA1607.2
186	JASPAR	ZSCAN29	YGTCTACRCNG	11	327	2.95E-17	MA1602.2
187	JASPAR	SOX12	ACCGAACAAT	10	1272	6.30E-17	MA1561.2
188	JASPAR	ZNF24	CATTCATTCATTC	13	4798	1.01E-15	MA1124.1
189	JASPAR	REL	BGGRNWTTCC	10	29971	1.49E-15	MA0101.1
190	JASPAR	E2F2	WTTTGGCGCCAWW	13	834	5.84E-15	MA0864.3
190	JASPAR	E2F3	TTTTGGCGCCAAAA	14	1078	1.59E-06	MA0469.4
191	JASPAR	Hoxa13	CCAATAAA	8	7934	5.54E-14	MA0650.4
192	JASPAR	ZNF211	YATATACCAY	10	16908	3.02E-12	MA1974.2
193	JASPAR	Prdm4	CCTTGAAACYG	11	5919	3.54E-12	MA1647.3
194	JASPAR	ZNF282	CTTTCCCMYAACACG	15	225	4.57E-12	MA1154.2
195	JASPAR	OSR1	GCTACYGT	8	10895	5.25E-11	MA1542.2
196	JASPAR	ZKSCAN3	CCCAGGCTAGCCCA	14	1292	1.03E-10	MA1973.2
197	JASPAR	Nrf1	CTGCGCMTGCGC	12	108	1.66E-08	MA0506.3
198	JASPAR	Arid5a	YAATATTG	8	7001	1.28E-07	MA0602.2
199	JASPAR	IRF6	ACCGAAACT	9	4144	7.77E-07	MA1509.1
200	JASPAR	CEBPB	ATTGCGCAAT	10	549	9.20E-07	MA0466.4
201	JASPAR	ZNF140	AGGAGYGGAATTGCTGGGT	19	724	3.09E-06	MA1589.2