






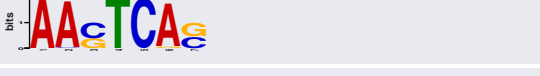




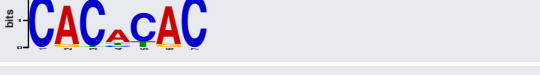




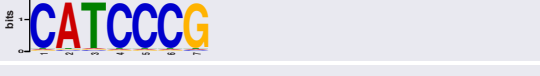

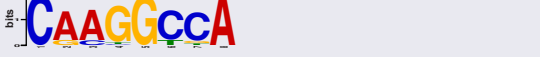
	Motif Sequence Logo (MEME-ChIP)	Motif Discovery program	E-value for Jpx motif	Known Motifs (by TomTom) UPxxxx : Uniprobe DB MAxxxx : Jaspasr DB	P-values for match
1		MEME	1.4e-2315	Irf6-2 (UP00011_2) PRDM1_full (Jolma 2013) FOXB1_DBD_1 (Jolma 2013)	1.22e-03 2.01e-03 2.57e-03
2		MEME	8.8e-286	ZNF263 (MA0528.1) EWSR1-FLI1 (MA0149.1)	1.91e-08 1.29e-04
3		STREME	1.1e-007	ESR2 (MA0258.2)	2.62e-04
4		STREME	5.9e-005	Zfp652_DBD (Jolma 2013)	5.52e-03
5		STREME	2.3e-004	Pitx1 (MA0682.1)	7.96e-05
6		STREME	3.4e-004	Mafk-1 (UP00044_1) FOS (MA0476.1)	2.42e-03 3.56e-03
7		STREME	4.4e-004	FOXC1_DBD_1 (Jolma 2013) FOXL1_full_2 (Jolma 2013) ONECUT3 (MA0757.1)	1.30e-05 4.37e-05 4.53e-05
8		STREME	1.5e-002	Jundm2-2 (UP00103_2) FOSL1::JUN (MA1128.1)	1.11e-04 3.10e-04
9		STREME	1.5e-002	Sox13 (UP00096_1) Zfp691 (UP00095_1) ISL2 (MA0914.1)	1.69e-03 2.14e-03 2.29e-03
10		STREME	1.9e-002	JUN(var.2) (MA0489.1) BATF::JUN (MA0462.1)	2.35e-04 5.52e-04
11		STREME	2.0e-002	Gm397-2 (UP00042_2) ZSCAN4 (MA1155.1)	3.61e-05 1.01e-04
12		STREME	3.1e-002	CTCF (MA0139.1) CTCFL (MA1102.1)	8.09e-06 3.74e-05
13		STREME	3.1e-002	NFIA (MA0670.1) RFX2/3/4 (Jolma 2013) MEIS3 (MA0775.1)	1.15e-03 1.45e-03 2.73e-03
14		STREME	3.1e-002	Nr5a2 (MA0505.1) Stat92E (MA0532.1)	2.50e-04 3.80e-04
15		STREME	3.5e-002	POU3F2/3/4 (Jolma 2013) Pou2f3 (MA0627.1) DMRT3 (MA0610.1)	1.27e-03 1.89e-03 5.49e-03
16		STREME	3.8e-002	SPDEF (MA0686.1) ZNF410 (MA0752.1) YY2 (Jolma 2013)	1.61e-03 2.44e-03 3.77e-03
17		STREME	4.4e-002	KLF5 (MA0599.1) Klf1 (MA0493.1) SP1 (MA0079.3)	1.58e-05 9.46e-05 1.11e-04
18		STREME	4.6e-002	Nr5a2 (MA0505.1) ESRRB (MA0141.3) Esrra (MA0592.2)	1.09e-04 2.08e-04 2.08e-04

Figure S4