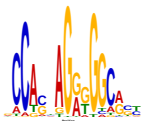
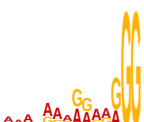
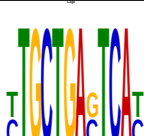
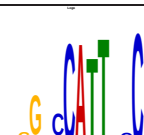
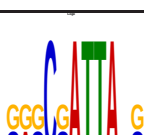
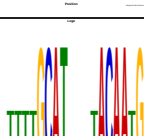
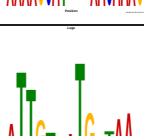
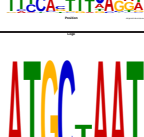
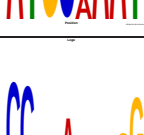
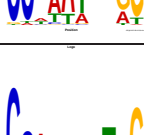
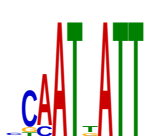
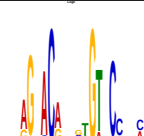
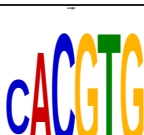
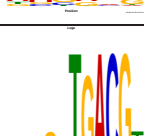
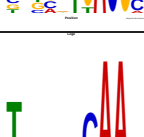
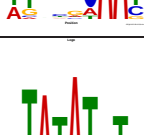
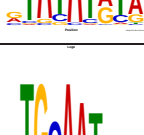
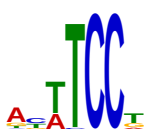
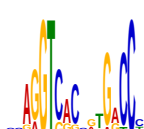


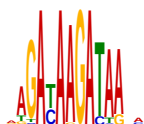
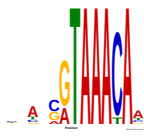
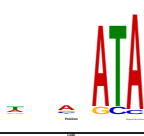
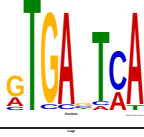
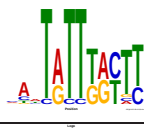
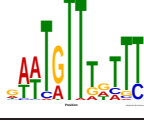
Motifs employed in analyses. The “Summary Name” column contains a short summary name for the PWM. “C” indicates the motif is a custom motif, “J” indicates it was derived from the JASPAR core motif database, “U” indicates it was derived from the Uniprobe motif database. The “Full Name” contains the complete name of the motif. The “Seqlogo” column contains the sequence logo for the given motif. “Inclusion” indicates whether the motif was included in the reduced set of 259 motifs; “special” indicates the motif was manually selected for inclusion, whilst “cluster rep.” indicates the motif was chosen as a representative amongst similar motifs.

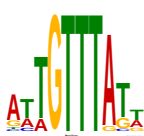
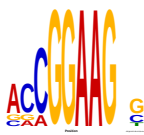
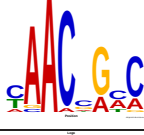
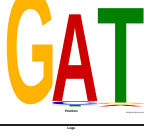
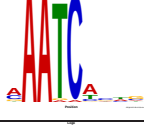
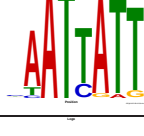
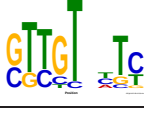
Summary Name	Full Name	Seqlogo	Inclusion
C CTCF	CTCF		
C E-Box	E-Box From JASPAR		
C ETS	ETS factors like fli1		special
C Ebox	Ebox		special
C Gata1	Gata1 Merika et al		special
C Ikaros	Ikaros		special
C KLF	KLF		special
C Klf4 a	KLF4 Shields and Yang 1998		special

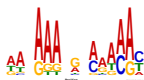
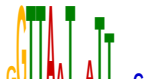
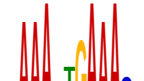
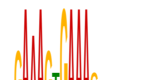
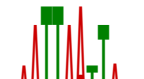
C Myb	Myb		special
C NF-E2 a	NF-E2 Consensus		special
C NF-E2 b	NF-E2 or AP-1		special
C Nanog Loh1	Nanog Loh et al		cluster rep.
C Nanog Mitsui	Nanog-Mitsui et al		
C Oct-Sox	Oct3 Sox2		
C Octamer a	Extended Octamer Loh et al		cluster rep.
C Octamer b	Octamer		
J AG	MA0005 Agamous MADS		cluster rep.
J AGL3	MA0001 AGL3 MADS		cluster rep.

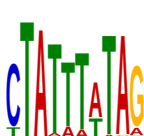
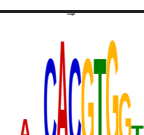
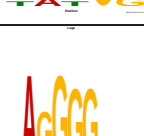
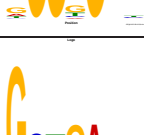
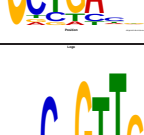
J ARR10	MA0121 ARR10 TRP-CLUSTER		cluster rep.
J ATHB-5	MA0110 ATHB5 HOME0-ZIP		
J Ar	MA0007 Ar NUCLEAR		
J Arnt	MA0004 Arnt bHLH		
J Arnt::Ahr	MA0006 Arnt-Ahr bHLH		cluster rep.
J BRCA1	MA0133 BRCA1 -		cluster rep.
J CREB1	MA0018 CREB1 bZIP		
J Cebpa	MA0102 Cebpa bZIP		cluster rep.
J Cf2 II	MA0015 CF2-II ZN-FINGER		
J Ddit3::Cebpa	MA0019 Ddit3-Cebpa bZIP		cluster rep.

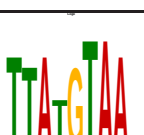
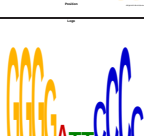
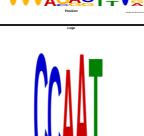
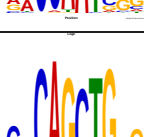
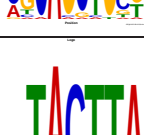
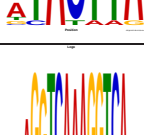
J Dof2	MA0020 Dof2 ZN-FINGER		
J Dof3	MA0021 Dof3 ZN-FINGER		
J E2F1	MA0024 E2F1 E2F TDP		
J ELF5	MA0136 ELF5 ETS		special
J ELK1	MA0028 ELK1 ETS		special
J ELK4	MA0076 ELK4 ETS		special
J ESR1	MA0112 ESR1 NUCLEAR		
J ETS1	MA0098 ETS1 ETS		special
J Eip74EF	MA0026 Eip74EF ETS		special
J EmBP-1	MA0128 EMBP1 bZIP		

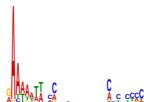
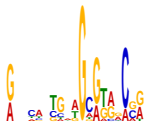
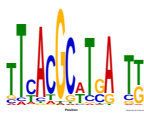
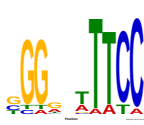
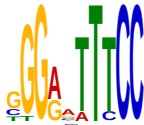
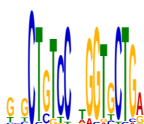
J En1	MA0027 En1 HOMEODOMAIN		cluster rep.
J Evi1	MA0029 Evi1 ZN-FINGER		cluster rep.
J FOXC1	MA0032 FOXC1 FORKHEAD		cluster rep.
J FOXD1	MA0031 FOXD1 FORKHEAD		
J FOXF2	MA0030 FOXF2 FORKHEAD		
J FOXI1	MA0042 FOXI1 FORKHEAD		
J FOXL1	MA0033 FOXL1 FORKHEAD		cluster rep.
J Fos	MA0099 Fos bZIP		cluster rep.
J Foxa2	MA0047 Foxa2 FORKHEAD		cluster rep.
J Foxd3	MA0041 Foxd3 FORKHEAD		

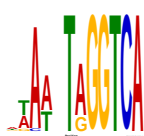
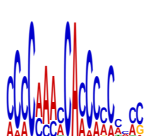
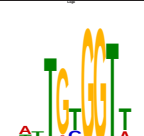
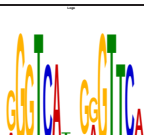
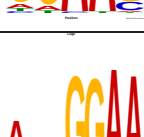
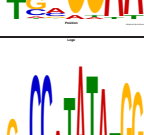
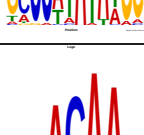
J Foxq1	MA0040 Foxq1 FORKHEAD		
J GABPA	MA0062 GABPA ETS		special
J GATA2	MA0036 GATA2 ZN-FINGER		special
J GATA3	MA0037 GATA3 ZN-FINGER		special
J Gamyb	MA0034 GAMYB TRP-CLUSTER		special
J Gata1	MA0035 Gata1 ZN-FINGER		special
J Gfi	MA0038 Gfi ZN-FINGER		cluster rep.
J HAT5	MA0008 Athb-1 HOMEO-ZIP		cluster rep.
J HLF	MA0043 HLF bZIP		
J HMG-1	MA0044 HMG-1 HMG		cluster rep.

J HMG-I/Y	MA0045 HMG-IY HMG		cluster rep.
J HNF1A	MA0046 HNF1A HOMEO		cluster rep.
J HNF4A	MA0114 HNF4A NUCLEAR		cluster rep.
J Hand1::Tcf2a	MA0092 Hand1-Tcf2a bHLH		cluster rep.
J Hltf	MA0109 RUSH1-alfa ZN-FINGER		cluster rep.
J IRF1	MA0050 IRF1 TRP-CLUSTER		cluster rep.
J IRF2	MA0051 IRF2 TRP-CLUSTER		
J Klf4	MA0039 Klf4 ZN-FINGER		special
J Lhx3 a	MA0134 Lhx3 HOMEO		
J Lhx3 b	MA0135 Lhx3 HOMEO		

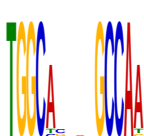
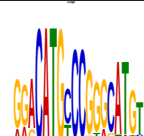
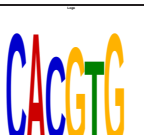
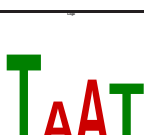
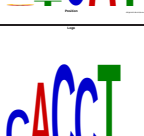
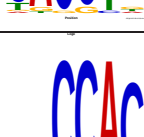
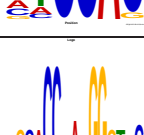
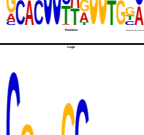
J MAX	MA0058 MAX bHLH-ZIP		
J MEF2A	MA0052 MEF2A MADS		
J MIZF	MA0131 MIZF ZN-FINGER		cluster rep.
J MNB1A	MA0053 MNB1A ZN-FINGER		
J MYC::MAX	MA0059 MYC-MAX bHLH-ZIP		
J MZF1 1-4	MA0056 MZF1 1-4 ZN-FINGER		cluster rep.
J MZF1 5-13	MA0057 MZF1 5-13 ZN-FINGER		cluster rep.
J Macho-1	MA0118 Macho-1 ZN-FINGER		cluster rep.
J Mafk	MA0117 Mafk bZIP		cluster rep.
J Myb	MA0100 Myb TRP-CLUSTER		special

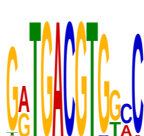
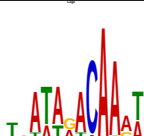
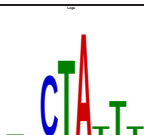
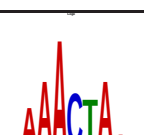
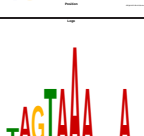
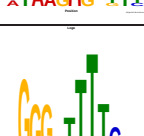
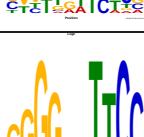
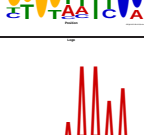
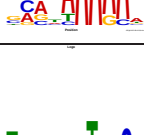
J Mycn	MA0104 Mycn bHLH-ZIP		cluster rep.
J Myf	MA0055 Myf bHLH		
J NF-kappaB	MA0061 NF-kappaB REL		
J NFE2L1::MafG	MA0089 TCF11-MafG bZIP		cluster rep.
J NFIL3	MA0025 NFIL3 bZIP		
J NFKB1	MA0105 NFKB1 REL		
J NFYA	MA0060 NFYA CAAT-BOX		cluster rep.
J NHLH1	MA0048 NHLH1 bHLH		cluster rep.
J NKX3-1	MA0124 NKX3-1 HOMEO		cluster rep.
J NR1H2::RXRA	MA0115 NR1H2-RXRA NUCLEAR		

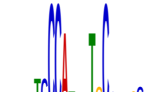
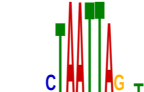
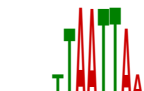
J Pax2	MA0067 Pax2 PAIRED		cluster rep.
J Pax4	MA0068 Pax4 PAIRED-HOMEO		
J Pax5	MA0014 Pax5 PAIRED		cluster rep.
J Pax6	MA0069 Pax6 PAIRED		cluster rep.
J Pdx1	MA0132 Pdx1 HOMEO		cluster rep.
J Prrx2	MA0075 Prrx2 HOMEO		
J REL	MA0101 REL REL		cluster rep.
J RELA	MA0107 RELA REL		
J REST	MA0138 REST ZN-FINGER		cluster rep.
J RORA 1	MA0071 RORA 1 NUCLEAR		cluster rep.

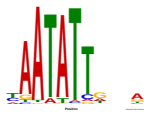
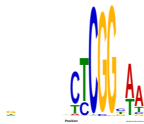
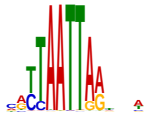
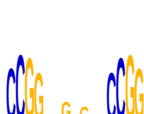
J RORA 2	MA0072 RORA 2 NUCLEAR		
J RREB1	MA0073 RREB1 ZN-FINGER		cluster rep.
J RUNX1	MA0002 RUNX1 RUNT		cluster rep.
J RXRA::VDR	MA0074 RXRA-VDR NUCLEAR		
J SOX9	MA0077 SOX9 HMG		cluster rep.
J SP1	MA0079 SP1 ZN-FINGER		
J SPI1	MA0080 SPI1 ETS		special
J SPIB	MA0081 SPIB ETS		special
J SRF	MA0083 SRF MADS		cluster rep.
J SRY	MA0084 SRY HMG		

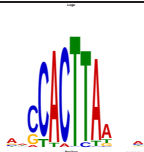
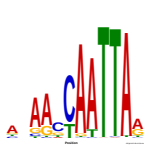
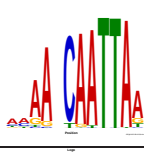
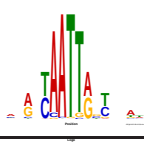
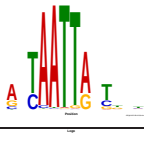
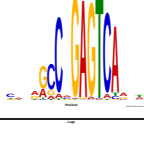
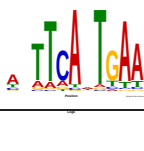
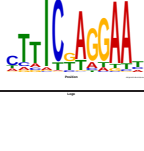
J STAT1	MA0137 STAT1 Stat		
J Sox17	MA0078 Sox17 HMG		
J Sox5	MA0087 Sox5 HMG		
J Spz1	MA0111 Spz1 bHLH-ZIP		cluster rep.
J Su(H)	MA0085 Su H IPT TIG		cluster rep.
J T	MA0009 T T-BOX		
J TAL1::TCF3	MA0091 TAL1-TCF3 bHLH		
J TBP	MA0108 TBP TATA-box		cluster rep.
J TEAD1	MA0090 TEAD1 TEA		
J TFAP2A	MA0003 TFAP2A AP2		cluster rep.

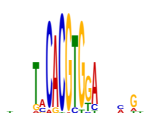
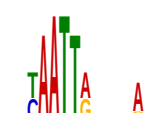
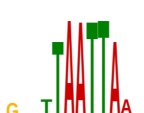
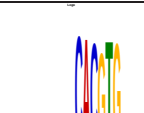
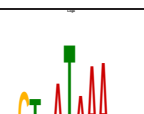
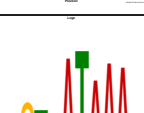
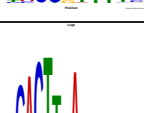
J TGA1A	MA0129 TGA1a bZIP		cluster rep.
J TLX1::NFIC	MA0119 TLX1-NFIC HOMEO CAAT		
J TP53	MA0106 TP53 P53		cluster rep.
J USF1	MA0093 USF1 bHLH-ZIP		
J Ubx	MA0094 Ubx HOMEO		cluster rep.
J YY1	MA0095 YY1 ZN-FINGER		cluster rep.
J ZEB1	MA0103 ZEB1 ZN-FINGER		cluster rep.
J ZNF354C	MA0130 ZNF354C ZN-FINGER		cluster rep.
J Zfp423	MA0116 Roaz ZN-FINGER		
J abi4	MA0123 ABI4 AP2		cluster rep.

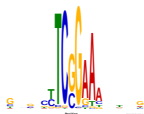
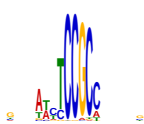
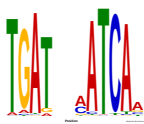
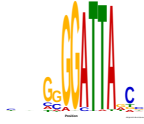
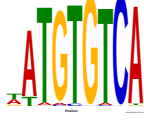
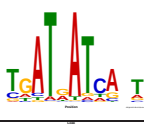
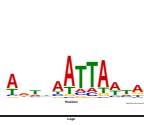
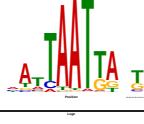
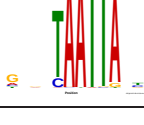
J bZIP910	MA0096 bZIP910 bZIP		
J bZIP911	MA0097 bZIP911 bZIP		
J br Z1	MA0010 Broad-complex 1 ZN-FINGER		cluster rep.
J br Z2	MA0011 Broad-complex 2 ZN-FINGER		cluster rep.
J br Z3	MA0012 Broad-complex 3 ZN-FINGER		cluster rep.
J br Z4	MA0013 Broad-complex 4 ZN-FINGER		
J dl 1	MA0022 dl 1 REL		cluster rep.
J dl 2	MA0023 Dl 2 REL		
J hb	MA0049 hb ZN-FINGER		cluster rep.
J id1	MA0120 id1 ZN-FINGER		cluster rep.

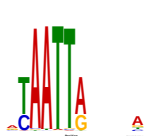
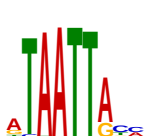
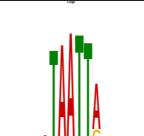
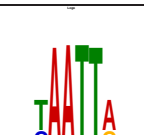
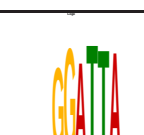
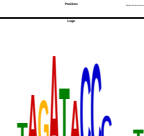
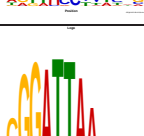
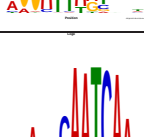
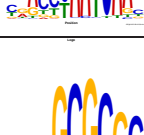
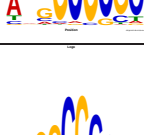
J myb.Ph3	MA0054 MYB		special
J ovo	MA0126 ovo ZN-FINGER		cluster rep.
J sna	MA0086 sna ZN-FINGER		cluster rep.
J squamosa	MA0082 SQUA MADS		
J usp	MA0016 usp NUCLEAR		
J znf143	MA0088 Staf ZN-FINGER		cluster rep.
U Aft1	GR09 Aft1		cluster rep.
U Alx3	Cell08 Alx3 3418		
U Alx4	Cell08 Alx4 1744		
U Arid3a i	Arid3a pwm primary		

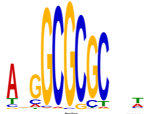
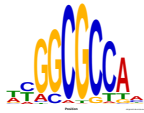
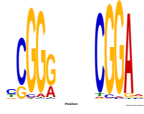
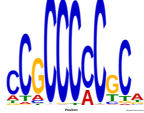
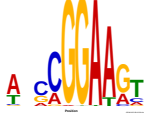
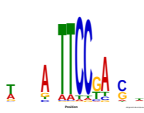
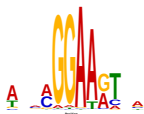
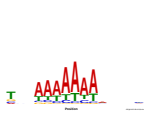
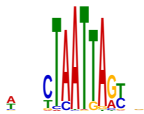
U Arid3a ii	Arid3a pwm secondary		cluster rep.
U Arid5a i	Arid5a pwm primary		cluster rep.
U Arid5a ii	Arid5a pwm secondary		cluster rep.
U Aro80	GR09 Aro80		
U Arx	Cell08 Arx 1738		
U Ascl2 i	Ascl2 pwm primary		special
U Ascl2 ii	Ascl2 pwm secondary		special
U Asg1	GR09 Asg1		
U Atf1 i	Atf1 pwm primary		
U Atf1 ii	Atf1 pwm secondary		cluster rep.

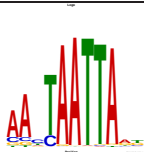
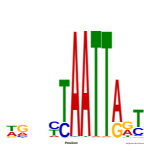
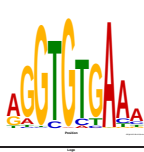
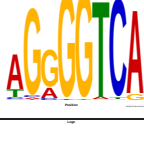
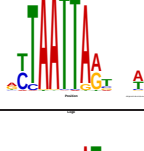
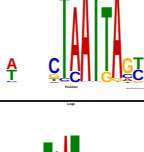
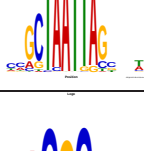
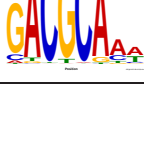
U Bapx1	Cell08 Bapx1 2343		
U Barhl1	Cell08 Barhl1 2590		
U Barhl2	Cell08 Barhl2 3868		
U Barx1	Cell08 Barx1 2877		
U Barx2	Cell08 Barx2 3447		
U Bas1	GR09 Bas1		
U Bbx i	Bbx pwm primary		
U Bbx ii	Bbx pwm secondary		cluster rep.
U Bcl6b i	Bcl6b pwm primary		cluster rep.
U Bcl6b ii	Bcl6b pwm secondary		

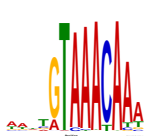
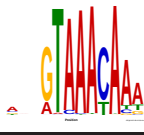
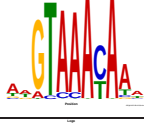
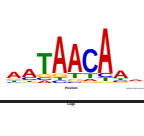
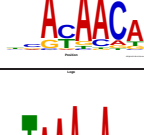
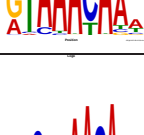
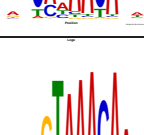
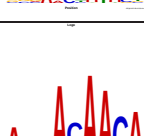
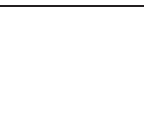
U Bhlhb2 i	Bhlhb2 pwm primary		
U Bhlhb2 ii	Bhlhb2 pwm secondary		
U Bsx	Cell08 Bsx 3483		
U Cart1 a	Cell08 Cart1 0997		
U Cart1 b	Cell08 Cart1 1275		
U Cbfl a	GR09 Cbfl		
U Cbfl b	NBT06 Cbfl		
U Cdx1	Cell08 Cdx1 2245		
U Cdx2	Cell08 Cdx2 4272		
U Ceh-22	NBT06 Ceh-22		

U Cep3	GR09 Cep3		
U Cgd2	PNAS08 Cgd2 3490		
U Cha4	GR09 Cha4		
U Cphx	Cell08 Cphx 3484		cluster rep.
U Crx	Cell08 Crx 3485		
U Cup9	GR09 Cup9		cluster rep.
U Cutl1	Cell08 Cutl1 3494		cluster rep.
U Dbx1	Cell08 Dbx1 3486		cluster rep.
U Dbx2	Cell08 Dbx2 3487		cluster rep.
U Dlx1	Cell08 Dlx1 1741		

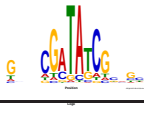
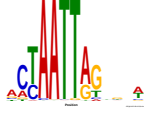
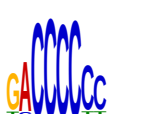
U Dlx2	Cell08 Dlx2 2273		
U Dlx3	Cell08 Dlx3 1030		
U Dlx4	Cell08 Dlx4 3488		
U Dlx5	Cell08 Dlx5 3419		
U Dmbx1	Cell08 Dmbx1 2277		
U Dox4	Cell08 Dox4 3956		
U Dox5	Cell08 Dox5 3493		
U Dux1	Cell08 Dux1 1286		cluster rep.
U E2F2 i	E2F2 pwm primary		cluster rep.
U E2F2 ii	E2F2 pwm secondary		cluster rep.

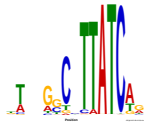
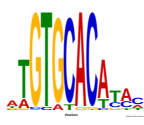
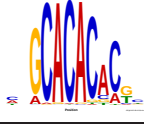
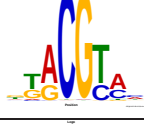
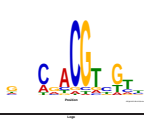
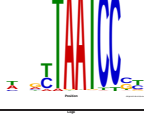
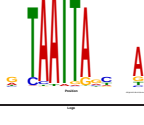
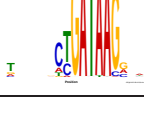
U E2F3 i	E2F3 pwm primary		
U E2F3 ii	E2F3 pwm secondary		
U Ecm22	GR09 Ecm22		cluster rep.
U Egr1 i	Egr1 pwm primary		
U Egr1 ii	Egr1 pwm secondary		cluster rep.
U Ehf i	Ehf pwm primary		
U Ehf ii	Ehf pwm secondary		cluster rep.
U Elf3 i	Elf3 pwm primary		cluster rep.
U Elf3 ii	Elf3 pwm secondary		
U Emx2	Cell08 Emx2 3420		

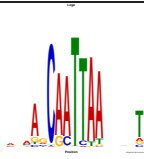
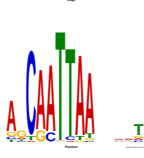
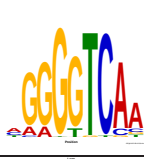
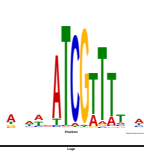
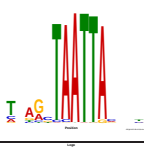
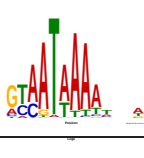
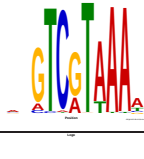
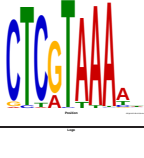
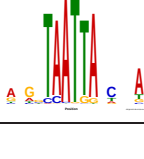
U En1	Cell08 En1 3123		
U En2	Cell08 En2 0952		
U Eomes i	Eomes pwm primary		cluster rep.
U Eomes ii	Eomes pwm secondary		cluster rep.
U Esrra i	Esrra pwm primary		
U Esrra ii	Esrra pwm secondary		
U Esx1	Cell08 Esx1 3124		
U Evx1	Cell08 Evx1 3952		
U Evx2	Cell08 Evx2 2645		
U Fhl1	GR09 Fhl1		cluster rep.

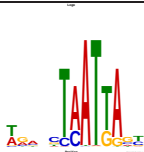
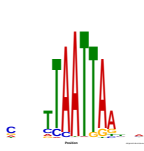
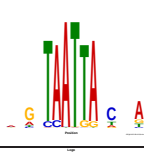
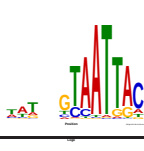
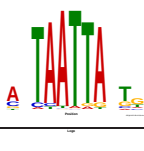
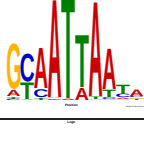
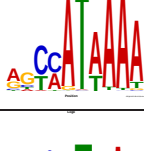
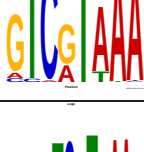
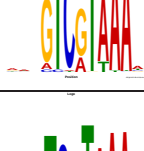
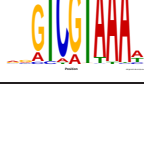
U Fkh1	GR09 Fkh1		
U Fkh2	GR09 Fkh2		
U Foxa2 i	Foxa2 pwm primary		
U Foxa2 ii	Foxa2 pwm secondary		
U Foxj1 i	Foxj1 pwm primary		cluster rep.
U Foxj1 ii	Foxj1 pwm secondary		cluster rep.
U Foxj3 i	Foxj3 pwm primary		
U Foxj3 ii	Foxj3 pwm secondary		
U Foxk1 i	Foxk1 pwm primary		
U Foxk1 ii	Foxk1 pwm secondary		

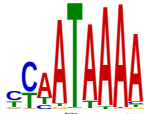
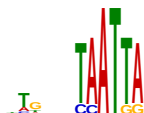
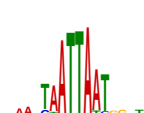
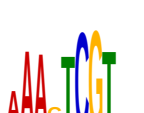
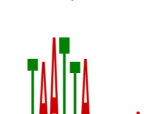
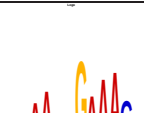
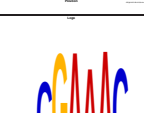
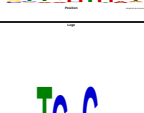
U Foxl1 i	Foxl1 pwm primary		
U Foxl1 ii	Foxl1 pwm secondary		cluster rep.
U Gabpa i	Gabpa pwm primary		
U Gabpa ii	Gabpa pwm secondary		cluster rep.
U Gal4	GR09 Gal4		
U Gat1	GR09 Gat1		cluster rep.
U Gat3	GR09 Gat3		
U Gat4	GR09 Gat4		cluster rep.
U Gata3 i	Gata3 pwm primary		special
U Gata3 ii	Gata3 pwm secondary		special

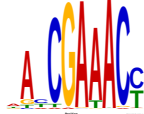
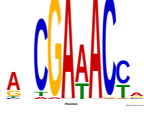
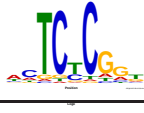
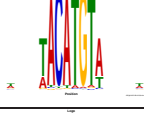
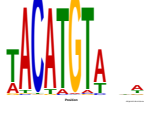
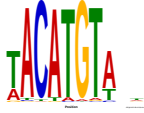
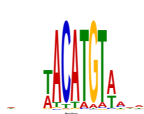
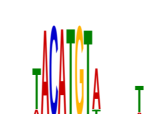
U Gata5 i	Gata5 pwm primary		special
U Gata5 ii	Gata5 pwm secondary		special
U Gata6 i	Gata6 pwm primary		special
U Gata6 ii	Gata6 pwm secondary		special
U Gbx1	Cell08 Gbx1 2883		
U Gbx2	Cell08 Gbx2 3110		
U Gcm1 i	Gcm1 pwm primary		cluster rep.
U Gcm1 ii	Gcm1 pwm secondary		cluster rep.
U Gcn4	GR09 Gcn4		
U Glis2 i	Glis2 pwm primary		

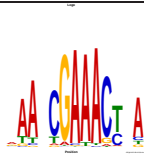
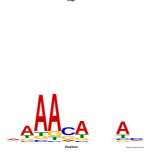
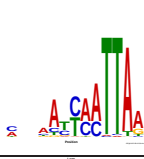
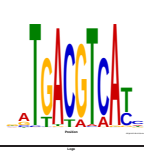
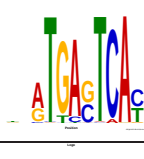
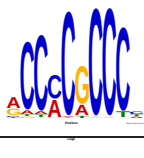
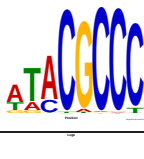
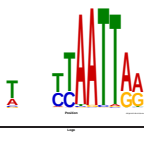
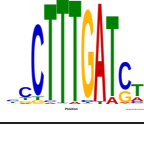
U Glis2 ii	Glis2 pwm secondary		
U Gln3	GR09 Gln3		
U Gm397 i	Gm397 pwm primary		
U Gm397 ii	Gm397 pwm secondary		
U Gmeb1 i	Gmeb1 pwm primary		cluster rep.
U Gmeb1 ii	Gmeb1 pwm secondary		cluster rep.
U Gsc	Cell08 Gsc 2327		
U Gsh2	Cell08 Gsh2 3990		
U Gsm1	GR09 Gsm1		cluster rep.
U Gzf3	GR09 Gzf3		

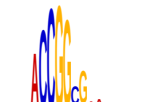
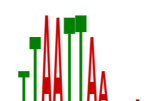
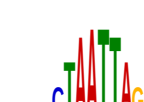
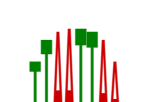
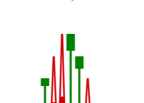
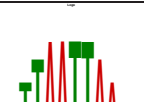
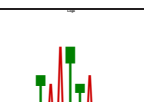
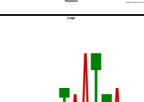
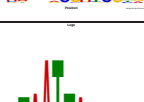
U Hmx2	Cell08 Hmx2 3424		
U Hmx3	Cell08 Hmx3 3490		
U Hnf4a i	Hnf4a pwm primary		
U Hnf4a ii	Hnf4a pwm secondary		cluster rep.
U Homez	Cell08 Homez 1063		
U Hoxa1	Cell08 Hoxa1 3425		
U Hoxa10	Cell08 Hoxa10 2318		
U Hoxa11	Cell08 Hoxa11 2218		
U Hoxa13	Cell08 Hoxa13 3126		
U Hoxa2	Cell08 Hoxa2 3079		

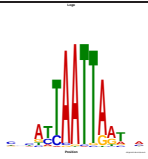
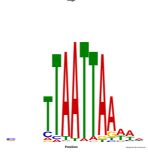
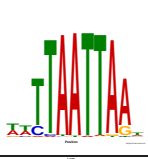
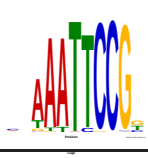
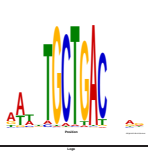
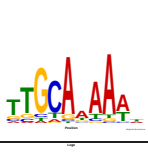
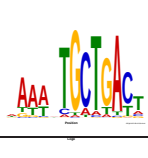
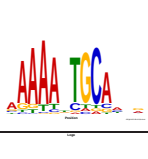
U Hoxb3	Cell08 Hoxb3 1720		
U Hoxb4	Cell08 Hoxb4 2627		
U Hoxb5	Cell08 Hoxb5 3122		
U Hoxb6	Cell08 Hoxb6 3428		
U Hoxb7	Cell08 Hoxb7 3953		
U Hoxb8	Cell08 Hoxb8 3780		cluster rep.
U Hoxb9	Cell08 Hoxb9 3413		
U Hoxc10	Cell08 Hoxc10 2779		cluster rep.
U Hoxc11	Cell08 Hoxc11 3718		
U Hoxc12	Cell08 Hoxc12 3480		

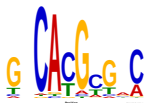
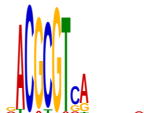
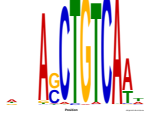
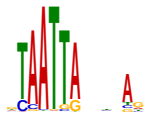
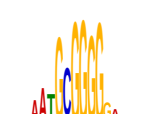
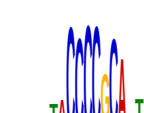
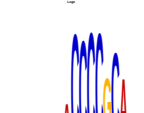
U Hoxd13	Cell08 Hoxd13 2356		
U Hoxd3	Cell08 Hoxd3 1742		
U Hoxd8	Cell08 Hoxd8 2644		
U IRC900814 i	IRC900814 pwm primary		cluster rep.
U IRC900814 ii	IRC900814 pwm secondary		cluster rep.
U Ipfl	Cell08 Ipfl 3815		
U Irf3 i	Irf3 pwm primary		cluster rep.
U Irf3 ii	Irf3 pwm secondary		cluster rep.
U Irf4 i	Irf4 pwm primary		
U Irf4 ii	Irf4 pwm secondary		

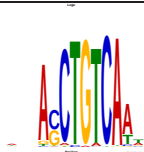
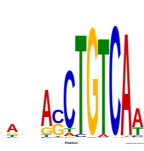
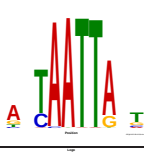
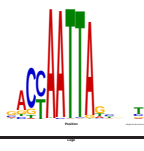
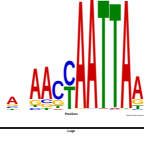
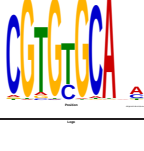
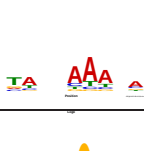
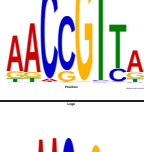
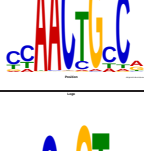
U Irf5 i	Irf5 pwm primary		
U Irf5 ii	Irf5 pwm secondary		
U Irf6 i	Irf6 pwm primary		
U Irf6 ii	Irf6 pwm secondary		cluster rep.
U Irx2	Cell08 Irx2 0900		
U Irx3 a	Cell08 Irx3 0920		
U Irx3 b	Cell08 Irx3 2226		
U Irx4	Cell08 Irx4 2242		cluster rep.
U Irx5	Cell08 Irx5 2385		
U Irx6	Cell08 Irx6 2623		

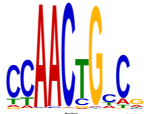
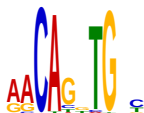
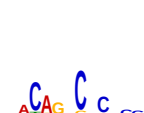
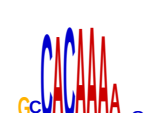
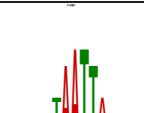
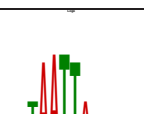
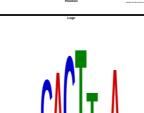
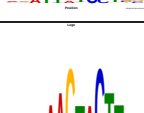
U Isgf3g i	Isgf3g pwm primary		
U Isgf3g ii	Isgf3g pwm secondary		cluster rep.
U Isl2	Cell08 Isl2 3430		
U Isx	Cell08 Isx 3445		cluster rep.
U Jundm2 i	Jundm2 pwm primary		
U Jundm2 ii	Jundm2 pwm secondary		
U Klf7 i	Klf7 pwm primary		special
U Klf7 ii	Klf7 pwm secondary		special
U Lbx2	Cell08 Lbx2 3869		
U Lef1 i	Lef1 pwm primary		

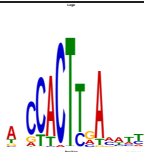
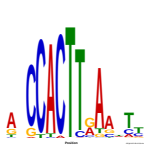
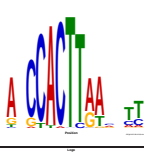
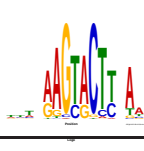
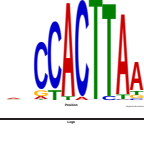
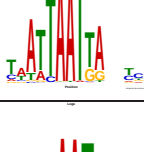
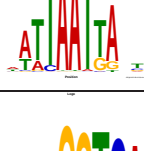
U Lef1 ii	Lef1 pwm secondary		
U Leu3	GR09 Leu3		cluster rep.
U Lhx1	Cell08 Lhx1 2240		
U Lhx2	Cell08 Lhx2 0953		
U Lhx3	Cell08 Lhx3 3431		
U Lhx4	Cell08 Lhx4 1719		
U Lhx5	Cell08 Lhx5 2279		
U Lhx6 a	Cell08 Lhx6 2272		
U Lhx6 b	Cell08 Lhx6 3432		
U Lhx8	Cell08 Lhx8 2247		

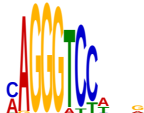
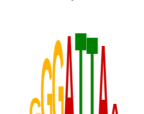
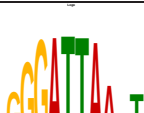
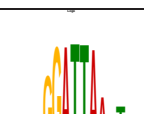
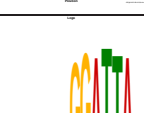
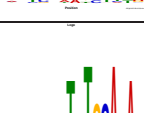
U Lhx9	Cell08 Lhx9 3492		
U Lmx1a	Cell08 Lmx1a 2238		
U Lmx1b	Cell08 Lmx1b 3433		
U Lys14	GR09 Lys14		
U Mafk i	Mafk pwm primary		
U Mafk ii	Mafk pwm secondary		cluster rep.
U Mafk i	Mafk pwm primary		
U Mafk ii	Mafk pwm secondary		cluster rep.
U Matalpha2	GR09 Matalpha2		
U Max i	Max pwm primary		

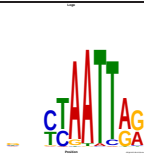
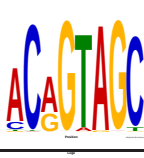
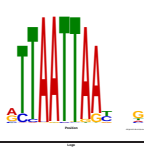
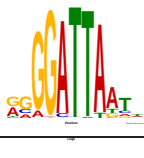
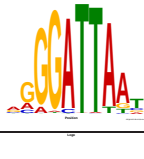
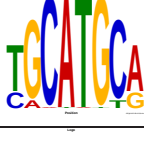
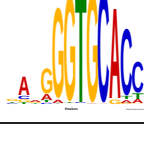
U Max ii	Max pwm secondary		
U Mbp1	GR09 Mbp1		cluster rep.
U Mcm1	GR09 Mcm1		
U Meis1	Cell08 Meis1 2335		
U Meox1	Cell08 Meox1 2310		
U Met32	GR09 Met32		cluster rep.
U Mga1	GR09 Mga1		cluster rep.
U Mig1	GR09 Mig1		
U Mig2	GR09 Mig2		
U Mig3	GR09 Mig3		

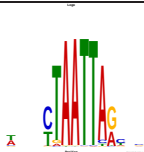
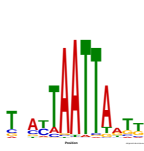
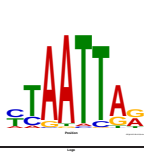
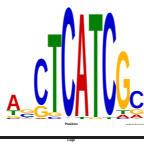
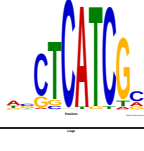
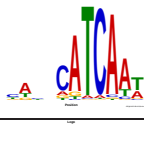
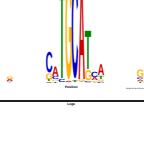
U Mrg1	Cell08 Mrg1 2246		
U Mrg2	Cell08 Mrg2 2302		cluster rep.
U Msx1	Cell08 Msx1 3031		
U Msx2	Cell08 Msx2 3449		
U Msx3	Cell08 Msx3 3206		
U Mtf1 i	Mtf1 pwm primary		cluster rep.
U Mtf1 ii	Mtf1 pwm secondary		
U Myb i	Myb pwm primary		special
U Myb ii	Myb pwm secondary		special
U Mybl1 i	Mybl1 pwm primary		special

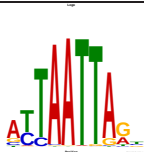
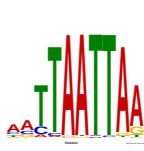
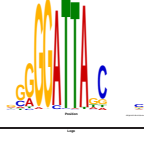
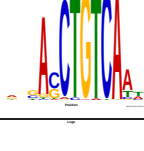
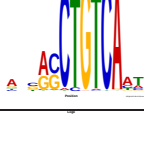
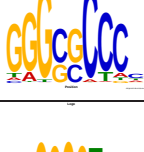
U Mybl1 ii	Mybl1 pwm secondary		special
U Myf6 i	Myf6 pwm primary		cluster rep.
U Myf6 ii	Myf6 pwm secondary		
U Ndt80	GR09 Ndt80		cluster rep.
U Nhp6a	GR09 Nhp6a		
U Nhp6b	GR09 Nhp6b		cluster rep.
U Nkx1-1	Cell08 Nkx1-1 3856		
U Nkx1-2	Cell08 Nkx1-2 3214		
U Nkx2-2	Cell08 Nkx2-2 2823		
U Nkx2-3	Cell08 Nkx2-3 3435		

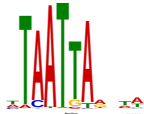
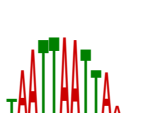
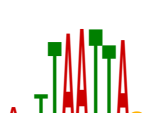
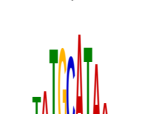
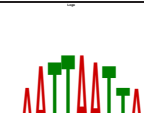
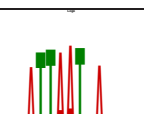
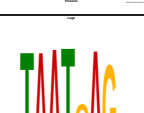
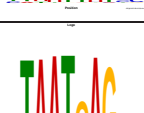
U Nkx2-4	Cell08 Nkx2-4 3074		
U Nkx2-5	Cell08 Nkx2-5 3436		
U Nkx2-6	Cell08 Nkx2-6 3437		
U Nkx2-9	Cell08 Nkx2-9 3082		
U Nkx3-1	Cell08 Nkx3-1 2923		
U Nkx3-1 i	Nkx3-1 pwm primary		cluster rep.
U Nkx3-1 ii	Nkx3-1 pwm secondary		cluster rep.
U Nkx6-1	Cell08 Nkx6-1 2825		
U Nkx6-3	Cell08 Nkx6-3 3446		
U Nr2f2 i	Nr2f2 pwm primary		cluster rep.

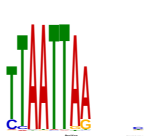
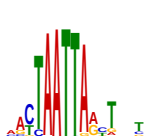
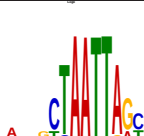
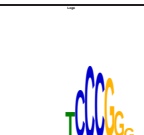
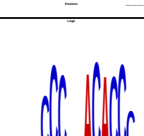
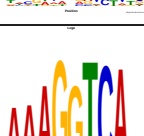
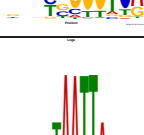
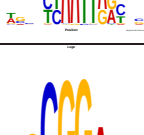
U Nr2f2 ii	Nr2f2 pwm secondary		
U Nrg1	GR09 Nrg1		
U Oaf1	GR09 Oaf1		cluster rep.
U Obox1	Cell08 Obox1 3970		
U Obox2	Cell08 Obox2 3438		
U Obox3	Cell08 Obox3 3439		
U Obox5 a	Cell08 Obox5 2284		
U Obox5 b	Cell08 Obox5 3963		
U Obox6	Cell08 Obox6 3440		
U Oct-1	NBT06 Oct-1		

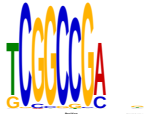
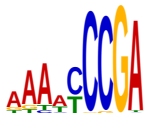
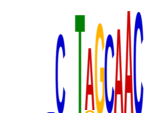
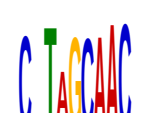
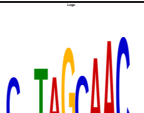
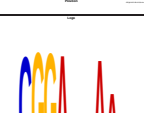
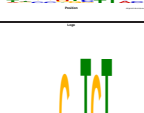
U Og2x	Cell08 Og2x 3719		
U Osr1 i	Osr1 pwm primary		cluster rep.
U Osr1 ii	Osr1 pwm secondary		cluster rep.
U Osr2 i	Osr2 pwm primary		
U Osr2 ii	Osr2 pwm secondary		
U Otp	Cell08 Otp 3496		
U Otx1	Cell08 Otx1 2325		
U Otx2	Cell08 Otx2 3441		
U PF14	PNAS08 PF14 0633		cluster rep.
U PFF0200c	PNAS08 PFF0200c		

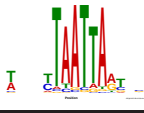
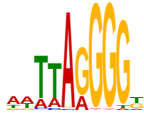
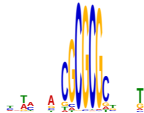
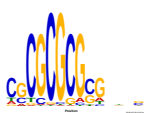
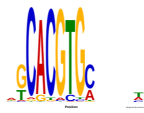
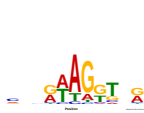
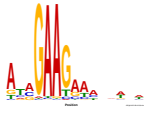
U Pax4	Cell08 Pax4 3989		
U Pax6	Cell08 Pax6 3838		
U Pax7	Cell08 Pax7 3783		cluster rep.
U Pbf1	GR09 Pbf1		
U Pbf2	GR09 Pbf2		cluster rep.
U Pbx1	Cell08 Pbx1 3203		cluster rep.
U Pdr1	GR09 Pdr1		cluster rep.
U Phd1	GR09 Phd1		cluster rep.
U Pho2	GR09 Pho2		
U Pho4	GR09 Pho4		

U Phox2a	Cell08 Phox2a 3947		
U Phox2b	Cell08 Phox2b 3948		
U Pitx1	Cell08 Pitx1 2312		
U Pitx2	Cell08 Pitx2 2274		cluster rep.
U Pitx3	Cell08 Pitx3 3497		
U Pknox1	Cell08 Pknox1 2364		
U Pknox2	Cell08 Pknox2 3077		
U Plagl1 i	Plagl1 pwm primary		cluster rep.
U Plagl1 ii	Plagl1 pwm secondary		
U Pou1f1	Cell08 Pou1f1 3818		

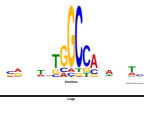
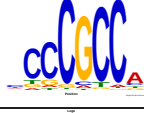
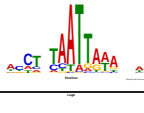
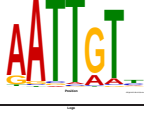
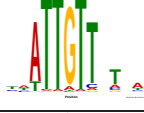
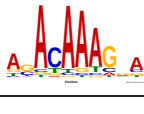
U Pou2f1	Cell08 Pou2f1 3081		
U Pou2f2	Cell08 Pou2f2 3748		cluster rep.
U Pou2f3	Cell08 Pou2f3 3986		
U Pou3f1	Cell08 Pou3f1 3819		
U Pou3f2	Cell08 Pou3f2 2824		
U Pou3f3	Cell08 Pou3f3 3235		
U Pou3f4	Cell08 Pou3f4 3773		
U Pou4f3	Cell08 Pou4f3 2791		
U Pou6f1 a	Cell08 Pou6f1 1731		cluster rep.
U Pou6f1 b	Cell08 Pou6f1 3733		

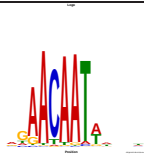
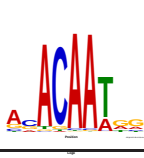
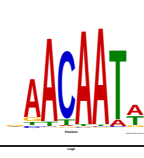
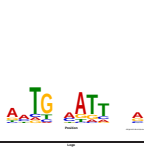
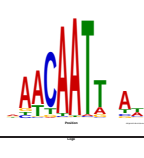
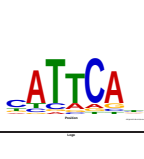
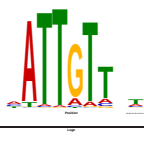
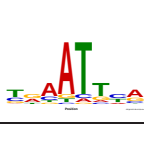
U Prop1	Cell08 Prop1 3949		
U Prrx1	Cell08 Prrx1 3442		
U Prrx2	Cell08 Prrx2 3072		
U Put3	GR09 Put3		cluster rep.
U Rap1 a	GR09 Rap1		cluster rep.
U Rap1 b	NBT06 Rap1		
U Rara i	Rara pwm primary		
U Rara ii	Rara pwm secondary		cluster rep.
U Rax	Cell08 Rax 3443		
U Rdr1	GR09 Rdr1		cluster rep.

U Rds1	GR09 Rds1		cluster rep.
U Rds2	GR09 Rds2		cluster rep.
U Rfx3 i	Rfx3 pwm primary		
U Rfx3 ii	Rfx3 pwm secondary		
U Rfx4 i	Rfx4 pwm primary		
U Rfx4 ii	Rfx4 pwm secondary		
U Rfxdc2 i	Rfxdc2 pwm primary		cluster rep.
U Rfxdc2 ii	Rfxdc2 pwm secondary		cluster rep.
U Rgt1	GR09 Rgt1		
U Rhox11 a	Cell08 Rhox11 1765		

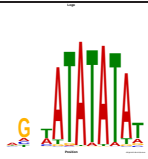
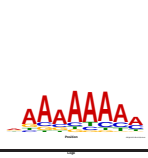
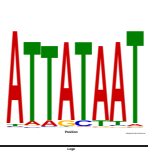
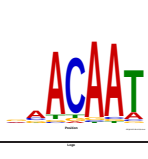
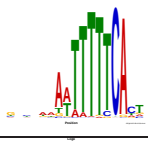
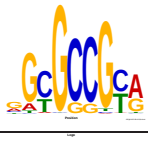
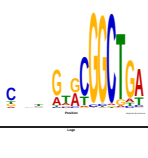
U Rhox11 b	Cell08 Rhox11 2205		cluster rep.
U Rhox6	Cell08 Rhox6 4251		
U Rph1	GR09 Rph1		
U Rpn4	GR09 Rpn4		
U Rsc3	GR09 Rsc3		
U Rsc30	GR09 Rsc30		
U Rtg3	GR09 Rtg3		
U Rxra i	Rxra pwm primary		
U Rxra ii	Rxra pwm secondary		cluster rep.
U Sfl1	GR09 Sfl1		cluster rep.

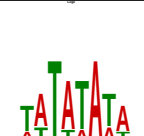
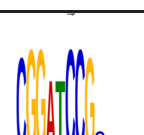
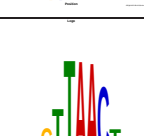
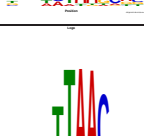
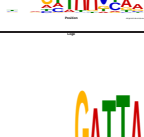
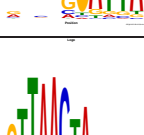
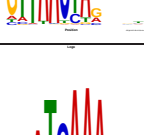
U Sfp1	GR09 Sfp1		cluster rep.
U Sfp1 i	Sfp1 pwm primary		
U Sfp1 ii	Sfp1 pwm secondary		
U Shox2	Cell08 Shox2 2641		
U Sip4	GR09 Sip4		
U Six1	Cell08 Six1 0935		
U Six2	Cell08 Six2 2307		
U Six3	Cell08 Six3 1732		
U Six4	Cell08 Six4 2860		
U Six6	Cell08 Six6 2267		

U Six6 i	Six6 pwm primary		cluster rep.
U Six6 ii	Six6 pwm secondary		cluster rep.
U Skn7	GR09 Skn7		
U Smad3 i	Smad3 pwm primary		cluster rep.
U Smad3 ii	Smad3 pwm secondary		cluster rep.
U Smp1	GR09 Smp1		
U Sox11 i	Sox11 pwm primary		
U Sox11 ii	Sox11 pwm secondary		
U Sox12 i	Sox12 pwm primary		
U Sox12 ii	Sox12 pwm secondary		cluster rep.

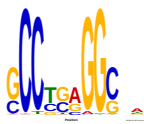
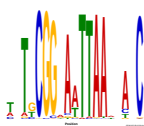
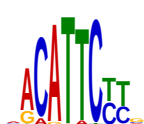
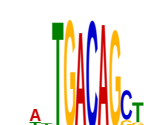
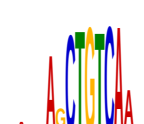
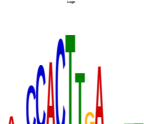
U Sox13 i	Sox13 pwm primary		
U Sox13 ii	Sox13 pwm secondary		
U Sox14 i	Sox14 pwm primary		
U Sox14 ii	Sox14 pwm secondary		
U Sox15 i	Sox15 pwm primary		
U Sox15 ii	Sox15 pwm secondary		cluster rep.
U Sox17 i	Sox17 pwm primary		
U Sox17 ii	Sox17 pwm secondary		cluster rep.
U Sox18 i	Sox18 pwm primary		
U Sox18 ii	Sox18 pwm secondary		cluster rep.

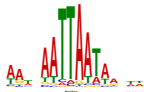
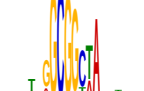
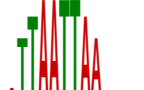
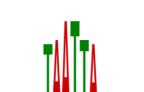
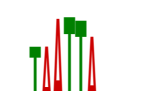
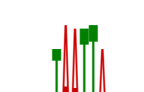
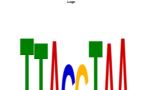
U Sox1 i	Sox1 pwm primary		cluster rep.
U Sox1 ii	Sox1 pwm secondary		
U Sox21 i	Sox21 pwm primary		cluster rep.
U Sox21 ii	Sox21 pwm secondary		
U Sox30 i	Sox30 pwm primary		
U Sox30 ii	Sox30 pwm secondary		
U Sox4 i	Sox4 pwm primary		cluster rep.
U Sox4 ii	Sox4 pwm secondary		
U Sox5 i	Sox5 pwm primary		
U Sox5 ii	Sox5 pwm secondary		cluster rep.

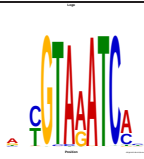
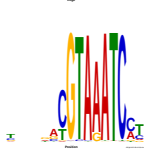
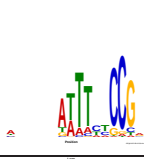
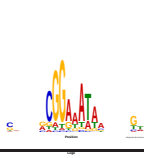
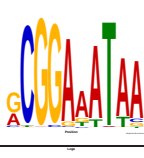
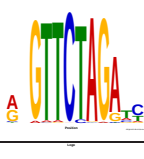
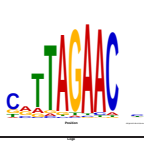
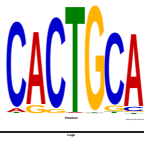
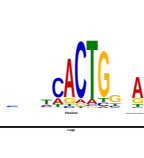
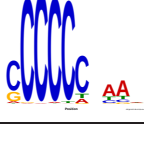
U Spt15	GR09 Spt15		
U Srd1	GR09 Srd1		
U Srf i	Srf pwm primary		
U Srf ii	Srf pwm secondary		
U Sry i	Sry pwm primary		
U Sry ii	Sry pwm secondary		cluster rep.
U Stb3	GR09 Stb3		cluster rep.
U Stp2	GR09 Stp2		cluster rep.
U Stp4	GR09 Stp4		cluster rep.
U Sum1	GR09 Sum1		cluster rep.

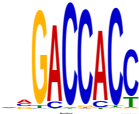
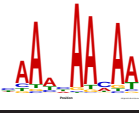
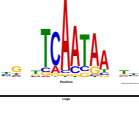
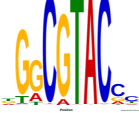
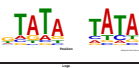
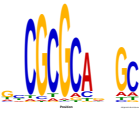
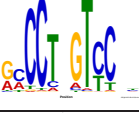
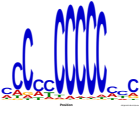
U Sut2	GR09 Sut2		
U Tbf1	GR09 Tbf1		cluster rep.
U Tbp i	Tbp pwm primary		
U Tbp ii	Tbp pwm secondary		cluster rep.
U Tbs1	GR09 Tbs1		cluster rep.
U Tcf1	Cell08 Tcf1 2666		
U Tcf1 i	Tcf1 pwm primary		cluster rep.
U Tcf1 ii	Tcf1 pwm secondary		cluster rep.
U Tcf2	Cell08 Tcf2 0913		
U Tcf3 i	Tcf3 pwm primary		

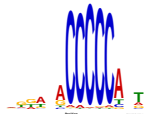
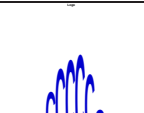
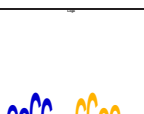
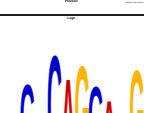
U Tcf3 ii	Tcf3 pwm secondary		cluster rep.
U Tcf7 i	Tcf7 pwm primary		cluster rep.
U Tcf7 ii	Tcf7 pwm secondary		cluster rep.
U Tcf7l2 i	Tcf7l2 pwm primary		
U Tcf7l2 ii	Tcf7l2 pwm secondary		cluster rep.
U Tcfap2a i	Tcfap2a pwm primary		
U Tcfap2a ii	Tcfap2a pwm secondary		cluster rep.
U Tcfap2b i	Tcfap2b pwm primary		
U Tcfap2b ii	Tcfap2b pwm secondary		
U Tcfap2c i	Tcfap2c pwm primary		

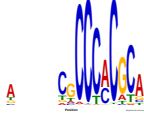
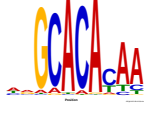
U Tcfap2c ii	Tcfap2c pwm secondary		
U Tcfap2e i	Tcfap2e pwm primary		
U Tcfap2e ii	Tcfap2e pwm secondary		
U Tcfe2a i	Tcfe2a pwm primary		
U Tcfe2a ii	Tcfe2a pwm secondary		
U Tea1	GR09 Tea1		
U Tec1	GR09 Tec1		cluster rep.
U Tgif1	Cell08 Tgif1 2342		
U Tgif2	Cell08 Tgif2 3451		
U Titf1	Cell08 Titf1 1722		

U Tlx2	Cell08 Tlx2 3498		
U Tye7	GR09 Tye7		
U Ume6	GR09 Ume6		
U Uncx4	Cell08 Uncx4		
U Usv1	GR09 Usv1		
U Vax1	Cell08 Vax1 3499		
U Vax2	Cell08 Vax2 3500		
U Vsx1	Cell08 Vsx1 1728		
U Xbp1	GR09 Xbp1		cluster rep.
U Yap1	GR09 Yap1		

U Ypr013c	GR09 Ypr013c		cluster rep.
U Ypr015c	GR09 Ypr015c		
U Ypr196w	GR09 Ypr196w		cluster rep.
U Yrm1	GR09 Yrm1		
U Yrr1	GR09 Yrr1		
U Zbtb12 i	Zbtb12 pwm primary		cluster rep.
U Zbtb12 ii	Zbtb12 pwm secondary		cluster rep.
U Zbtb3 i	Zbtb3 pwm primary		cluster rep.
U Zbtb3 ii	Zbtb3 pwm secondary		cluster rep.
U Zbtb7b i	Zbtb7b pwm primary		

U Zbtb7b ii	Zbtb7b pwm secondary		cluster rep.
U Zfp105 i	Zfp105 pwm primary		cluster rep.
U Zfp105 ii	Zfp105 pwm secondary		cluster rep.
U Zfp128 i	Zfp128 pwm primary		cluster rep.
U Zfp128 ii	Zfp128 pwm secondary		cluster rep.
U Zfp161 i	Zfp161 pwm primary		
U Zfp161 ii	Zfp161 pwm secondary		cluster rep.
U Zfp187 i	Zfp187 pwm primary		
U Zfp187 ii	Zfp187 pwm secondary		cluster rep.
U Zfp281 i	Zfp281 pwm primary		

U Zfp281 ii	Zfp281 pwm secondary		
U Zfp410 i	Zfp410 pwm primary		cluster rep.
U Zfp410 ii	Zfp410 pwm secondary		cluster rep.
U Zfp691 i	Zfp691 pwm primary		cluster rep.
U Zfp691 ii	Zfp691 pwm secondary		cluster rep.
U Zfp740 i	Zfp740 pwm primary		
U Zfp740 ii	Zfp740 pwm secondary		cluster rep.
U Zic1 i	Zic1 pwm primary		
U Zic1 ii	Zic1 pwm secondary		
U Zic2 i	Zic2 pwm primary		

U Zic2 ii	Zic2 pwm secondary		
U Zic3 i	Zic3 pwm primary		
U Zic3 ii	Zic3 pwm secondary		cluster rep.
U Zif268	NBT06 Zif268		cluster rep.
U Zscan4 i	Zscan4 pwm primary		cluster rep.
U Zscan4 ii	Zscan4 pwm secondary		cluster rep.