

**Supplemental Table S4.** Clover results indicate the number of chromosomes with transcription factor binding motifs statistically over- or under-represented in HEE DHS within intergenic sequence (more than 2kb outside of any gene). Analysis was divided into three groups (all DHS, HEE-selective DHS, and ubiquitous DHS).

All Intergenic DHS				Epid-selective Intergenic DHS				Ubiquitous Intergenic DHS			
Matrix ID	Gene Symbol	p<0.01	p>0.99	Matrix ID	Gene Symbol	p<0.01	p>0.99	Matrix ID	Gene Symbol	p<0.01	p>0.99
MA0002.2	RUNX1	23	0	MA0002.2	RUNX1	23	0	MA0003.1	TFAP2A	23	0
MA0003.1	TFAP2A	23	0	MA0046.1	HNF1A	23	0	MA0068.1	Pax4	23	0
MA0046.1	HNF1A	23	0	MA0067.1	Pax2	23	0	MA0080.2	SPI1	23	0
MA0055.1	Myf	23	0	MA0090.1	TEAD1	23	0	MA0081.1	SPIB	23	0
MA0080.2	SPI1	23	0	MA0099.2	AP1	23	0	MA0098.1	ETS1	23	0
MA0081.1	SPIB	23	0	MA0150.1	NFE2L2	23	0	MA0139.1	CTCF	23	0
MA0089.1	NFE2L1::MafG	23	0	MA0153.1	HNF1B	23	0	MA0154.1	EBF1	23	0
MA0090.1	TEAD1	23	0	V\$AP1FJ_Q2	activator protein 1 BTB and CNC homolog	23	0	V\$ALX3_01	ALX-3	23	0
MA0098.1	ETS1	23	0	V\$BACH1_01	1 BTB and CNC homolog	23	0	V\$ALX4_02	Alx-4 myocyte enhancer	23	0
MA0099.2	AP1	23	0	V\$BACH2_01	2	23	0	V\$AMEF2_Q6	factor	23	0
MA0101.1	REL	23	0	V\$CMAF_Q2	C-MAF	23	0	V\$AP2_Q6_01	AP-2	23	0
MA0107.1	RELA	23	0	V\$ELF1_Q5	ELF1	23	0	V\$AP2ALPHA_01	AP-2alpha AREB6 (Atp1a1 regulatory element binding factor 6)	23	0
MA0136.1	ELF5	23	0	V\$ETS2_Q6	ETS2	23	0	V\$AREB6_04		23	0
MA0137.2	STAT1	23	0	V\$ETS_Q4	Ets	23	0	V\$ARX_01	Arx	23	0
MA0139.1	CTCF	23	0	V\$FRA1_Q5	FRA1	23	0	V\$BARHL1_01	Barhl-1	23	0
MA0144.1	Stat3	23	0	V\$HEB_Q6	HEB hepatic nuclear factor	23	0	V\$BARHL2_01	Barhl2	23	0
MA0150.1	NFE2L2	23	0	V\$HNF1_01	1	23	0	V\$BARX1_01	Barx1	23	0
MA0152.1	NFATC2	23	0	V\$LMAF_Q2	LMAF	23	0	V\$BARX2_01	Barx-2	23	0
MA0153.1	HNF1B	23	0	V\$MAFA_Q4_01	MAFA	23	0	V\$BEN_01	BEN	23	0
MA0154.1	EBF1	23	0	V\$MAFB_01	MAFB	23	0	V\$BRN3C_01	Brn-3c	23	0
MA0156.1	FEV	23	0	V\$NEUROD_Q2	NeuroD	23	0	V\$BRN4_01	Brn-4	23	0
F\$AMT1_Q2	AMT1	23	0	V\$NF1_Q6	nuclear factor 1	23	0	V\$BSX_01	Bsx	23	0
V\$ALX3_01	ALX-3	23	0	V\$NFE2_01	NF-E2 p45 heterodimer	23	0	V\$CART1_Q2	CART1	23	0
V\$AP1FJ_Q2	activator protein 1	23	0	V\$NRF2_Q4	containing Nrf2 signal transducer and activator of	23	0	V\$CDP_Q3	CDP	23	0
V\$AP2_Q6_01	AP-2	23	0	V\$STAT6_Q2	transcription 6	23	0	V\$CDX1_Q1	Cdx-1	23	0
V\$AP2ALPHA_01	AP-2alpha	23	0	V\$TEF_Q1	TEF b.s.	23	0	V\$CDX2_Q1	Cdx-2	23	0
V\$AP2GAMMA_01	AP-2gamma	23	0	V\$TR4_Q1	TR4	23	0	V\$CEBP_Q2	CCAAT/enhancer binding factor	23	0
V\$AP4_Q1	activator protein 4	23	0	MA0080.2	SPI1	22	0	V\$CEBPA_Q1	CCAAT/enhancer	23	0

								binding protein alpha			
V\$AR_Q6	half-site matrix	23	0	MA0081.1	SPIB	22	0	V\$DBX1_01	Dbx-1	23	0
V\$BACH1_01	BTB and CNC homolog 1	23	0	MA0089.1	NFE2L1::MafG	22	0	V\$DBX2_01	Dbx-2	23	0
V\$BACH2_01	BTB and CNC homolog 2	23	0	MA0098.1	ETS1	22	0	V\$DLX1_01	Dlx-1	23	0
V\$BARHL2_01	Barhl2	23	0	MA0136.1	ELF5	22	0	V\$DLX2_01	Dlx-2	23	0
V\$BARX2_01	Barx-2	23	0	MA0156.1	FEV	22	0	V\$DLX3_01	dlx3	23	0
V\$BEN_01	BEN	23	0	V\$AP4_Q5	activator protein 4	22	0	V\$DLX5_01	dlx5	23	0
V\$BLIMP1_Q6	BLIMP1	23	0	V\$SCOREBINDINGFACTOR_Q6	core-binding factor	22	0	V\$DLX7_01	Dlx7	23	0
V\$BRN3C_01	Brn-3c	23	0	V\$LBP1_Q6	LBP-1	22	0	V\$DOBOX4_01	Dobox4	23	0
V\$BRN4_01	Brn-4	23	0	V\$MAF_Q6_01	MAF	22	0	V\$DOBOX5_01	Dobox5	23	0
V\$CART1_03	CART1	23	0	V\$NERF_Q2	new ets-related factor 1a	22	0	V\$E2F1_01	E2F1	23	0
V\$CDX1_01	Cdx-1	23	0	V\$PU1_Q6	PU.1	22	0	V\$E2F6_01	E2F6	23	0
V\$CDX2_01	Cdx-2	23	0	V\$STAT3_02	signal transducer and activator of transcription 3	22	0	V\$ELF1_Q5	ELF1	23	0
V\$CETS1P54_01	c-Ets-1(p54)	23	0	V\$STAT4_01	signal transducer and activator of transcription 4	22	0	V\$EMX2_01	EMX2	23	0
V\$CKROX_Q2	CKROX	23	0	V\$TEF1_Q6	TEF-1	22	0	V\$EN1_02	En-1	23	0
V\$CMAF_Q2	C-MAF	23	0	V\$AML1_01	runt-factor AML-1	21	0	V\$EN2_01	En-2	23	0
V\$SCOREBINDINGFACTOR_Q6	core-binding factor	23	0	V\$AML2_01	AML2	21	0	V\$ESX1_01	Esx1	23	0
V\$CREL_01	c-Rel	23	0	V\$AML_Q6	AML	21	0	V\$ETS2_Q6	ETS2	23	0
V\$DBX1_01	Dbx-1	23	0	V\$ESE1_Q3	ESE1	21	0	V\$ETS_Q4	Ets	23	0
V\$DBX2_01	Dbx-2	23	0	V\$GABPALPHA_Q4	GABP-alpha	21	0	V\$EVX1_01	Evx-1	23	0
V\$E12_Q6	E12	23	0	V\$MATH1_Q2	E47:MATH1	21	0	V\$FPM315_01	Zinc finger protein FPM315 with KRAB and SCAN domains	23	0
V\$E2F1_01	E2F1	23	0	V\$MYOGENIN_Q6	myogenin	21	0	V\$GABPALPHA_Q4	GABP-alpha	23	0
V\$E2F6_01	E2F6	23	0	V\$OSF2_Q6	Osf2	21	0	V\$GBX1_01	Gbx1	23	0
V\$EAR2_Q2	EAR2	23	0	V\$PUR1_Q4	PUR1	21	0	V\$GBX2_01	Gbx2	23	0
V\$EBF_Q6	EBF	23	0	V\$STAT5A_Q3	signal transducer and activator of transcription 5a	21	0	V\$GSC_01	Gsc	23	0
V\$ELF1_Q5	ELF1	23	0	V\$TEL2_Q6	Tel-2	21	0	V\$GSH2_01	GSH2	23	0
V\$ELK1_01	Elk-1	23	0	MA0119.1	TLX1::NFIC	20	0	V\$HB24_01	HB24	23	0
V\$ESE1_Q3	ESE1	23	0	MA0144.1	Stat3	20	0	V\$HB9_01	HB9	23	0
V\$ESX1_01	Esx1	23	0	MA0161.1	NFIC	20	0	V\$HDX_01	Hdx	23	0
V\$ETS2_B	c-Ets-2 binding sites	23	0	V\$AP2REP_01	AP-2 repressor	20	0	V\$HEB_Q6	HEB	23	0
V\$ETS_Q4	Ets	23	0	V\$AR_Q6	half-site matrix	20	0	V\$HMBBOX1_01	Hmbbox1	23	0

V\$FLI1_Q6	FLI1	23	0	V\$CTF1_01	selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2]	20	0	V\$HMG1Y_Q3	HMG1Y	23	0
V\$FPM315_01	Zinc finger protein FPM315 with KRAB and SCAN domains	23	0	V\$PEBP_Q6	PEBP	20	0	V\$HMX1_02	HMX1	23	0
V\$FRA1_Q5	FRA1	23	0	MA0092.1	Hand1::Tcf2a	19	0	V\$HMX3_02	Nkx5-1	23	0
V\$GABPALPHA_Q4	GABP-alpha	23	0	F\$AMT1_Q2	AMT1	19	0	V\$HNF1_02	HNF-1alpha	23	0
V\$GAF_Q6	GAF	23	0	V\$E2A_Q6	E2A	19	0	V\$HNF1B_01	HNF-1beta	23	0
V\$HB24_01	HB24	23	0	V\$LTF_Q6	LTF	19	0	V\$HOMEZ_01	Homez	23	0
V\$HEB_Q6	HEB	23	0	V\$NFAT2_Q5	NF-AT2	19	0	V\$HOX13_02	HOXA5	23	0
V\$HMX3_02	Nkx5-1 hepatic nuclear factor	23	0	V\$SMAD3_Q6	SMAD3	19	0	V\$HOXA10_01	HOXA10	23	0
V\$HNF1_01	1	23	0	V\$SOX9_Q4	SOX9 signal transducer and activator of transcription 1	19	0	V\$HOXA11_01	HOXA11	23	0
V\$HOXA10_01	HOXA10	23	0	V\$STAT1_03	STAT1	19	0	V\$HOXA13_02	HOXA13	23	0
V\$HOXA4_01	HOXA4	23	0	V\$TAL1_Q6	TAL1	19	0	V\$HOXA1_01	HOXA1	23	0
V\$HOXA6_01	HOXA6	23	0	V\$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	19	0	V\$HOXA2_01	HoxA2	23	0
V\$HOXA7_02	HOXA7	23	0	V\$FLI1_Q6	FLI1 homeobox transcription factor	18	0	V\$HOXA3_02	HOXA3	23	0
V\$HOXA9_01	hoxa9	23	0	V\$IPF1_05	Pdx-1	18	0	V\$HOXA4_01	HOXA4	23	0
V\$HOXB4_01	HOXB4	23	0	V\$PEA3_Q6	PEA3	18	0	V\$HOXA6_01	HOXA6	23	0
V\$HOXB8_01	HOXB8	23	0	MA0117.1	Mafk	17	0	V\$HOXA7_02	HOXA7	23	0
V\$HOXB9_01	HOXB9	23	0	MA0138.2	REST	17	0	V\$HOXA9_01	hoxa9	23	0
V\$HOXC4_01	HOXC4	23	0	V\$CEBP_01	CCAAT/enhancer binding protein	17	0	V\$HOXB13_01	HOXB13	23	0
V\$HOXC5_01	HOXC5	23	0	V\$PAX8_B	Pax-8 binding sites	17	0	V\$HOXB3_01	HOXB3	23	0
V\$HOXC6_01	HOXC6	23	0	V\$SMAD4_Q6	SMAD4	17	0	V\$HOXB4_01	HOXB4	23	0
V\$HOXC9_01	HOXC9	23	0	V\$TCF11MAFG_01	TCF11:MafG heterodimers	17	0	V\$HOXB5_01	HoxB5	23	0
V\$HOXD8_01	HOXD8	23	0	MA0154.1	EBF1	16	0	V\$HOXB6_01	HOXB6	23	0
V\$ICSBP_Q6	ICSBP homeobox transcription factor	23	0	V\$ALPHACP1_01	alpha-CP1	16	0	V\$HOXB7_01	HOXB7	23	0
V\$IPF1_05	Pdx-1	23	0	V\$GR_Q6_01	half-site matrix	16	0	V\$HOXB8_01	HOXB8	23	0
V\$IRF3_Q3	IRF3	23	0	V\$HNF4_Q6_03	half-site 2	16	0	V\$HOXB9_01	HOXB9	23	0
V\$IRF_Q6	IRF	23	0	V\$NFAT_Q4_01	NF-AT	16	0	V\$HOXC10_01	HOXC10	23	0
V\$K2B_01	K-2b	23	0	V\$STAT_Q6	STAT	16	0	V\$HOXC11_01	HOXC11	23	0
V\$KAISO_01	KAISO	23	0	V\$T3R_Q6	half-site matrix	16	0	V\$HOXC12_01	HOXC12	23	0
V\$LBP1_Q6	LBP-1	23	0	V\$CEBPB_01	CCAAT/enhancer binding protein beta	15	0	V\$HOXC13_01	HOXC13	23	0

V\$LFA1_Q6	LF-A1	23	0	V\$E2F1_01	E2F1	15	0	V\$HOXC4_01	HOXC4	23	0	
V\$LHX3_02	Lhx3	23	0	V\$EBF_Q6	EBF	15	0	V\$HOXC5_01	HOXC5	23	0	
V\$LHX5_01	Lhx5	23	0	V\$EBOX_Q6_01	Ebox Zinc finger protein FPM315 with KRAB and SCAN domains	15	0	V\$HOXC6_01	HOXC6	23	0	
V\$LHX9_01	Lhx9	23	0	V\$FPM315_01		15	0	V\$HOXC8_01	HOXC-8	23	0	
V\$LIM1_01	Lim-1	23	0	V\$NFAT1_Q6	NFAT1	15	0	V\$HOXC9_01	HOXC9	23	0	
V\$LMAF_Q2	LMAF	23	0	V\$NFAT3_Q3	NFAT3 neuron-restrictive silencer factor	15	0	V\$HOXD10_01	HOXD10	23	0	
V\$LMX1_01	Lmx-1	23	0	V\$NRSF_01		15	0	V\$HOXD11_01	HOXD11	23	0	
V\$LMX1B_01	lmx1b	23	0	MA0055.1	Myf	14	0	V\$HOXD12_01	HOXD12	23	0	
V\$LTF_Q6	LTF	23	0	V\$CTCF_02	CCCTC-binding factor	14	0	V\$HOXD13_01	HOXD13	23	0	
V\$MAFB_01	MAFB	23	0	V\$MAZ_Q6	MAZ myoblast determining factor	14	0	V\$HOXD1_01	HOXD1	23	0	
V\$MATH1_Q2	E47:MATH1	23	0	V\$MYOD_Q6		14	0	V\$HOXD3_01	HOXD3	23	0	
V\$MAZ_Q6	MAZ	23	0	V\$PPARG_Q6	half-site	14	0	V\$HOXD8_01	HOXD8 homeobox transcription factor	23	0	
V\$MSX1_02	Msx-1	23	0	V\$RORBETA_Q2	RORBETA	14	0	V\$IPF1_05	Pdx-1	23	0	
V\$MSX3_01	Msx-3 myoblast determination gene product	23	0	V\$SOX_01	SOX	14	0	V\$IRF3_Q3	IRF3	23	0	
V\$MYOD_01		23	0	V\$SREBP2_Q6	SREBP2	14	0	V\$IRF_Q6	IRF	23	0	
V\$NCX_02	Ncx new ets-related factor 1a	23	0	V\$BLIMP1_Q6	BLIMP1	13	0	V\$IRX2_01	Irx2	23	0	
V\$NERF_Q2		23	0	V\$CEBPE_01	cebpe	13	0	V\$IRX3_01	Irx-3	23	0	
V\$NEUROD_02	NeuroD	23	0	V\$CETS1P54_01	c-Ets-1(p54)	13	0	V\$IRX4_01	IRX4	23	0	
V\$NF1_Q6	nuclear factor 1	23	0	V\$DR1_Q3	Direct repeat 1	13	0	V\$IRX5_01	Irx5	23	0	
V\$NFAT1_Q6	NFAT1	23	0	V\$KAISO_01	KAISO nuclear factor Y (Y- box binding factor)	13	0	V\$IRXB3_01	IRXB3	23	0	
V\$NFAT2_Q5	NF-AT2	23	0	V\$NFY_Q6		13	0	V\$ISL2_01	Isl2	23	0	
V\$NFAT_Q4_01	NF-AT	23	0	V\$PAX_Q6	Pax	13	0	V\$ISX_01	isx	23	0	
V\$NFE2_01	NF-E2 p45	23	0	V\$PXR_Q2	half-site matrix	13	0	V\$K2B_01	K-2b	23	0	
V\$NFKAPPAB65_01	NF-kappaB (p65)	23	0	V\$SMAD_Q6_01	SMAD	13	0	V\$LBP1_Q6	LBP-1	23	0	
V\$NFKB_Q6_01	NF-kappaB	23	0	V\$TTF1_Q6	TTF-1 (Nkx2-1)	13	0	V\$Lbx2_01	Lbx2	23	0	
V\$NKX52_01	Nkx5-2	23	0	MA0038.1	Gfi	11	0	V\$LH2_01	LH-2	23	0	
V\$NKX61_02	NKX6.1	23	0	MA0107.1	RELA	11	0	V\$LHX3_02	Lhx3	23	0	
V\$NKX63_01	Nkx6-3 heterodimer	23	0	MA0442.1	SOX10 half-site matrix, half- ERE	11	0	V\$LHX4_01	Lhx4	23	0	
V\$NRF2_Q4	containing Nrf2	23	0	V\$ER_Q6_02		11	0	V\$LHX5_01	Lhx5	23	0	
V\$OCT1_08		1-Oct	23	0	V\$NFKAPPAB65_01	NF-kappaB (p65)	11	0	V\$LHX61_01	lhx6.1	23	0
V\$OCTAMER_02	Octamer	23	0	V\$USF_Q6_01	USF	11	0	V\$LHX9_01	Lhx9	23	0	
V\$OTP_01	OTP	23	0	MA0048.1	NHLH1	10	0	V\$LIM1_01	Lim-1	23	0	

V\$P50RELAP65_Q5_01	P50:RELA-P65	23	0	MA0145.1	Tcfcp2l1	10	0	V\$LMX1_01	Lmx-1	23	0	
V\$PARP_Q3	PARP	23	0	V\$EHF_01	EHF	10	0	V\$LMX1B_01	lmx1b	23	0	
V\$PAX6_02	pax6	23	0	V\$GAF_Q6	GAF	10	0	V\$MATH1_Q2	E47:MATH1	23	0	
V\$PAX7_01	Pax-7	23	0	V\$NFKB_Q6_01	NF-kappaB	10	0	V\$MEIS2_01	Meis2 myocyte enhancer	23	0	
V\$PEA3_Q6	PEA3	23	0	V\$NKX32_01	Nkx3-2	10	0	V\$MMEF2_Q6	factor	23	0	
V\$PIT1_01	Pit-1	23	0	V\$P50RELAP65_Q5_01	P50:RELA-P65	10	0	V\$MOX1_01	Mox1	23	0	
V\$PMX2B_01	PMX2B	23	0	V\$TGIF_02	TGIF1	10	0	V\$MSX1_02	Msx-1	23	0	
V\$PROP1_02	Prop-1	23	0	MA0102.2	CEBPA activating	9	0	V\$MSX2_01	Msx-2	23	0	
V\$PSX1_01	PSX1	23	0	V\$ATF4_Q2	transcription factor 4 Hand1:E47	9	0	V\$MSX3_01	Msx-3	23	0	
V\$PU1_01	PU1	23	0	V\$HAND1E47_01	heterodimer	9	0	V\$NANOG_02	Nanog	23	0	
V\$SMAD3_Q6	SMAD3	23	0	V\$HMG1Y_Q6	HMG IY	9	0	V\$NCX_02	Ncx	23	0	
V\$SMAD4_Q6	SMAD4	23	0	V\$KID3_01	Kid3	9	0	V\$NEUROD_02	NeuroD	23	0	
V\$SOX9_Q4	SOX9 signal transducer and	23	0	V\$LFA1_Q6	LF-A1	9	0	V\$NFAT1_Q6	NFAT1	23	0	
V\$STAT4_01	activator of transcription 4 signal transducer and	23	0	V\$NRSE_B	neural-restrictive- silencer-element	9	0	V\$NFAT2_Q5	NF-AT2	23	0	
V\$STAT5A_01	activator of transcription 5a signal transducer and	23	0	V\$PAX4_03	Pax-4 binding sites	9	0	V\$NFAT3_Q3	NFAT3	23	0	
V\$STAT6_01	activator of transcription 6 signal transducers and	23	0	V\$PKNOX2_01	PKNOX2	9	0	V\$NFAT_Q6	Nuclear factor of activated T-cells	23	0	
V\$STAT_01	activators of transcription	23	0	V\$TGIF2_01	TGIF2	9	0	V\$NKX11_01	Nkx1-1	23	0	
V\$TAL1_Q6	TAL1	23	0	V\$TTF1_Q3	TTF-1, TTF1 (thyroid transcription factor 1)	9	0	V\$NKX12_01	Nkx1-2	23	0	
V\$TEF_01	TEF b.s.	23	0	V\$ZBED6_01	ZBED6	9	0	V\$NKX22_02	NKX22	23	0	
V\$TEL2_Q6	Tel-2	23	0	MA0003.1	TFAP2A	8	0	V\$NKX23_01	Nkx2-3	23	0	
V\$TR4_01	TR4	23	0	MA0061.1	NF-kappaB	8	0	V\$NKX24_01	Nkx2-4	23	0	
V\$TST1_02		6-Oct	23	0	MA0101.1	REL	8	0	V\$NKX26_01	Nkx2-6	23	0
V\$UNCX4.1_01	Uncx-4.1	23	0	V\$AP2ALPHA_01	AP-2alpha	8	0	V\$NKX29_01	Nkx2-9	23	0	
V\$USF_Q6_01	USF	23	0	V\$CP2_01	CP2	8	0	V\$NKX32_02	Nkx3-2	23	0	
V\$VAX1_01	Vax-1	23	0	V\$CREL_01	c-Rel	8	0	V\$NKX3A_02	Nkx3A	23	0	
V\$VSX1_01	Vsx1	23	0	V\$E12_Q6	E12	8	0	V\$NKX52_01	Nkx5-2	23	0	
MA0038.1	Gfi	22	0	V\$NFKAPPAB_01	NF-kappaB	8	0	V\$NKX61_02	NKX6.1 NK related homeobox	23	0	
MA0065.2	PPARG::RXRA	22	0	V\$RELB_P52_01	kappaB site	8	0	V\$NKX62_Q2	factor 6-2	23	0	
MA0068.1	Pax4	22	0	V\$SMAD1_01	SMAD1	8	0	V\$NKX63_01	Nkx6-3	23	0	
MA0079.2	SP1	22	0	MA0069.1	Pax6	7	0	V\$OBOX1_01	Obox1	23	0	

MA0138.2	REST	22	0	V\$AP2GAMMA_01	AP-2gamma	7	0	V\$OBOX2_01	Obox2	23	0
				V\$CACBINDINGPRO							
MA0145.1	Tcfcp2l1	22	0	TEIN_Q6	CAC-binding protein	7	0	V\$OBOX3_01	Obox3	23	0
MA0161.1	NFIC	22	0	V\$E2F6_01	E2F6	7	0	V\$OBOX5_01	Obox5	23	0
V\$AMEF2_Q6	myocyte enhancer factor	22	0	V\$EAR2_Q2	EAR2	7	0	V\$OBOX6_01	Obox6	23	0
V\$AML2_01	AML2	22	0	V\$HBP1_Q2	hbp1	7	0	V\$OCT1_04	octamer factor 1	23	0
	AREB6 (Atp1a1 regulatory element binding factor 6)				Meis-1 (myeloid ecotropic viral integration site 1)						
V\$AREB6_04		22	0	V\$MEIS1_01		7	0	V\$OCT2_01	2-Oct	23	0
V\$ARX_01	Arx	22	0	V\$PARP_Q3	PARP	7	0	V\$OCTAMER_01	Octamer	23	0
V\$BARHL1_01	Barhl-1	22	0	V\$PREP1_01	PREP1	7	0	V\$OG2_02	OG-2	23	0
V\$BARX1_01	Barx1	22	0	V\$RBPJK_Q4	RBP-Jkappa	7	0	V\$OTP_01	OTP	23	0
V\$BSX_01	Bsx	22	0	MA0065.2	PPARG::RXRA	6	0	V\$OTX1_01	Otx1	23	0
V\$CACCCBINDINGFAC TOR_Q6	CACCC-binding factor CCAAT/enhancer binding protein alpha	22	0	MA0130.1	ZNF354C	6	0	V\$OTX2_01	Otx2	23	0
V\$CEBPA_01		22	0	MA0152.1	NFATC2	6	0	V\$OTX3_01	Otx3	23	0
V\$DR1_Q3	Direct repeat 1	22	0	V\$CKROX_Q2	CKROX	6	0	V\$PARP_Q3	PARP	23	0
V\$E47_01	E47	22	0	V\$FOXP3_Q4	FOXP3	6	0	V\$PAX6_02	pax6	23	0
V\$EN1_02	En-1	22	0	V\$IK3_01	Ikaros 3 complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	6	0	V\$PAX7_01	Pax-7	23	0
V\$EN2_01	En-2 ectopic viral integration site 1 encoded factor	22	0	V\$LMO2COM_01		6	0	V\$PBX1_04	Pbx1	23	0
V\$EV11_04		22	0	V\$MEIS2_01	Meis2	6	0	V\$PIT1_01	Pit-1	23	0
V\$FOXO4_01	fork head box O4	22	0	V\$MRG2_01	MRG2	6	0	V\$PITX1_01	Pitx1	23	0
V\$GR_Q6_01	half-site matrix	22	0	V\$NANOG_01	Nanog activating transcription factor 3	6	0	V\$PITX2_01	PITX2	23	0
V\$HDX_01	Hdx	22	0	V\$ATF3_Q6		5	0	V\$PMX2A_01	PMX2A	23	0
V\$HMG1Y_Q6	HMG IY	22	0	V\$CEBPDELTA_Q6	C/EBPdelta	5	0	V\$PMX2B_01	PMX2B	23	0
V\$HMX1_02	HMX1	22	0	V\$FXR_Q2	half-site	5	0	V\$POU2F3_01	POU2F3	23	0
V\$HOX13_02	HOXA5	22	0	V\$MZF1_Q5	MZF1 olfactory neuron-specific factor	5	0	V\$POU6F1_02	POU6F1	23	0
V\$HOXA2_01	HoxA2	22	0	V\$OLF1_01		5	0	V\$PROP1_02	Prop-1	23	0
V\$HOXB13_01	HOXB13	22	0	V\$P300_01	p300	5	0	V\$PSX1_01	PSX1	23	0
V\$HOXB3_01	HOXB3	22	0	V\$PTF1BETA_Q6	PTF1-beta	5	0	V\$PU1_Q4	PU.1	23	0
V\$HOXB5_01	HoxB5	22	0	V\$RFX3_01	RFX3 dimer signal transducer and activator of transcription 5b	5	0	V\$RAX_01	rax	23	0
V\$HOXB7_01	HOXB7	22	0	V\$STAT5B_01		5	0	V\$RHOX11_01	Rhox11	23	0
V\$HOXC8_01	HOXC-8	22	0	V\$TFEB_01	TFEB	5	0	V\$S8_02	S8	23	0
V\$HOXD10_01	HOXD10	22	0	V\$ZABC1_01	ZABC1 b.s.	5	0	V\$SATB1_Q3	SATB1	23	0

V\$HOXD13_01	HOXD13	22	0	MA0125.1	Nobox	4	0	V\$SHOX2_01	Shox2	23	0
V\$HOXD1_01	HOXD1	22	0	MA0164.1	Nr2e3	4	0	V\$SIX6_01	Six-6	23	0
V\$HOXD3_01	HOXD3	22	0	V\$AREB6_04	AREB6 (Atp1a1 regulatory element binding factor 6)	4	0	V\$SRY_02	sex-determining region Y gene product signal transducer and activator of transcription 1	23	0
V\$ISL2_01	Isl2	22	0	V\$DBP_Q6	DBP	4	0	V\$STAT1_03	STAT1:STAT1	23	0
V\$ISRE_01	interferon-stimulated response element	22	0	V\$ELK1_01	Elk-1	4	0	V\$STAT1STAT1_Q3	signal transducer and activator of transcription 3	23	0
V\$LBX2_01	Lbx2	22	0	V\$GADP_01	Growth-associated binding protein	4	0	V\$STAT3_02	signal transducer and activator of transcription 4	23	0
V\$LH2_01	LH-2	22	0	V\$IK1_01	Ikaros 1	4	0	V\$STAT4_01	myogenin / nuclear factor 1 or related factors	23	0
V\$MAF_Q6_01	MAF	22	0	V\$MYOGNF1_01	myogenin / nuclear factor 1 or related factors	4	0	V\$STAT5A_03	transcription 5a	23	0
V\$MAFA_Q4_01	MAFA	22	0	V\$NKX25_Q5	Nkx2-5	4	0	V\$STAT6_01	signal transducer and activator of transcription 6	23	0
V\$MYOGENIN_Q6	myogenin	22	0	V\$NUR77_Q5	NUR77	4	0	V\$TAL1_01	Tal-1 (Scl)	23	0
V\$MZF1_Q5	MZF1	22	0	V\$P53_DECAMER_Q2	p53 decamer	4	0	V\$TR4_01	TR4	23	0
V\$NANOG_02	Nanog	22	0	V\$TFIIH_Q6	TFII-I	4	0	V\$TST1_02	6-Oct	23	0
V\$NFKAPPAB_01	NF-kappaB	22	0	V\$CREBP1CJUN_01	CRE-binding protein 1:c-Jun heterodimer	4	1	V\$UNCX4.1_01	Uncx-4.1	23	0
V\$NKX12_01	Nkx1-2	22	0	V\$LEF1TCF1_Q4	LEF1, TCF1	4	1	V\$VAX1_01	Vax-1	23	0
V\$NKX62_Q2	NK related homeobox factor 6-2	22	0	V\$NURR1_Q3	NURR1	4	1	V\$VAX2_01	Vax-2	23	0
V\$NRSF_Q4	NRSF	22	0	V\$PXRXR_01	RXR half-site	4	1	V\$VSX1_01	Vsx1	23	0
V\$PEBP_Q6	PEBP	22	0	MA0062.2	GABPA	3	0	V\$WT1_Q6	WT1	23	0
V\$PITX2_01	PITX2	22	0	MA0112.2	ESR1	3	0	MA0055.1	Myf	22	0
V\$POU6F1_03	POU6F1	22	0	MA0114.1	HNF4A	3	0	MA0079.2	SP1	22	0
V\$PTF1BETA_Q6	PTF1-beta	22	0	MA0148.1	FOXA1	3	0	MA0136.1	ELF5	22	0
V\$SHOX2_01	Shox2	22	0	V\$ATF5_01	ATF5 binding site	3	0	MA0151.1	ARID3A	22	0
V\$STAT1STAT1_Q3	STAT1:STAT1	22	0	V\$BEN_01	BEN	3	0	MA0156.1	FEV	22	0
V\$T3R_Q6	half-site matrix TCF11:MafG	22	0	V\$COUP_DR1_Q6	COUP direct repeat 1	3	0	V\$AP2GAMMA_01	AP-2gamma	22	0
V\$TCF11MAFG_01	heterodimers	22	0	V\$CREB_Q3	CREB cAMP-responsive element binding protein 1	3	0	V\$AP4_Q5	activator protein 4	22	0
V\$WT1_Q6	WT1	22	0	V\$CREBP1_01	CREB cAMP-responsive element binding protein 1	3	0	V\$BCL6_01	BCL6	22	0
V\$ZFP281_01	Zfp281	22	0	V\$GLI3_01	GLI3	3	0	V\$BLIMP1_Q6	BLIMP1	22	0
MA0048.1	NHLH1	21	0	V\$HSF_Q6	HSF	3	0	V\$CDX_Q5	Cdx	22	0

MA0050.1	IRF1	21	0	V\$IRF1_Q6	IRF-1	3	0	V\$CETS1P54_Q2	c-Ets-1(p54)	22	0
MA0060.1	NFYA	21	0	V\$MYCMAX_01	c-Myc:Max heterodimer	3	0	V\$CHCH_01	Churchill	22	0
MA0061.1	NF-kappaB	21	0	V\$P50P50_Q3	P50:P50	3	0	V\$CKROX_Q2	CKROX	22	0
MA0084.1	SRY	21	0	V\$PNR_01	PNR	3	0	V\$DRI1_01	DRI1 b.s.	22	0
MA0092.1	Hand1::Tcfe2a	21	0	V\$PPARA_Q6	half-site	3	0	V\$DUXL_01	Duxl	22	0
MA0117.1	Mafb	21	0	V\$RFX1_01	X-box binding protein RFX1	3	0	V\$EBF_Q6	EBF	22	0
MA0148.1	FOXA1	21	0	V\$SP1_01	stimulating protein 1	3	0	V\$EGR_Q6	Egr	22	0
V\$ALPHACP1_01	alpha-CP1	21	0	V\$STAT1STAT1_Q3	STAT1:STAT1 zinc finger protein expressed in embryonal cells and certain adult organs	3	0	V\$ELK1_01	Elk-1	22	0
V\$AML_Q6	AML	21	0	V\$ZEC_01		3	0	V\$ETF_Q6	ETF ectopic viral integration site 1 encoded factor	22	0
V\$CDP_03	CDP CCAAT/enhancer binding factor	21	0	V\$CPHX_01	Cphx	3	1	V\$EVI1_04		22	0
V\$CEBP_Q2		21	0	V\$CRX_Q4_01	CRX	3	1	V\$FAC1_01	fetal Alz-50 clone 1	22	0
V\$CP2_01	CP2	21	0	MA0014.1	Pax5	2	0	V\$FOXO3A_Q1	FOXO3A	22	0
V\$DLX1_01	Dlx-1	21	0	MA0025.1	NFIL3	2	0	V\$FOXO4_01	fork head box O4	22	0
V\$DOBOX5_01	Dobox5	21	0	MA0060.1	NFYA	2	0	V\$HNF3_Q6_01	HNF3	22	0
V\$DRI1_01	DRI1 b.s. half-site matrix, half-ERE	21	0	MA0083.1	SRF	2	0	V\$ICSBP_Q6	ICSBP	22	0
V\$ER_Q6_02		21	0	MA0087.1	Sox5	2	0	V\$LRF_Q2	LRF	22	0
V\$HNF3_Q6_01	HNF3 Hepatocyte Nuclear Factor 3beta	21	0	MA0103.1	ZEB1	2	0	V\$MAZ_Q6	MAZ	22	0
V\$HNF3B_01		21	0	MA0105.1	NFKB1	2	0	V\$MEF2_Q6_01	MEF-2	22	0
V\$HOXB6_01	HOXB6 myocyte enhancer factor	21	0	MA0158.1	HOXA5	2	0	V\$MEIS1_02	Meis1	22	0
V\$MMEF2_Q6		21	0	MA0160.1	NR4A2	2	0	V\$NKX25_Q3	NKX25 neuron-restrictive silencer factor	22	0
V\$MOX1_01	Mox1 nuclear factor Y (Y-box binding factor)	21	0	V\$BARX1_01	Barx1	2	0	V\$NRSF_01		22	0
V\$NFY_01		21	0	V\$BCL6_Q2	BCL6	2	0	V\$PAX2_Q2	paired box factor 2	22	0
V\$OBOX5_01	Obox5	21	0	V\$BRN3C_Q1	Brn-3c	2	0	V\$SOX4_Q1	SOX4	22	0
V\$OTX1_01	Otx1	21	0	V\$BSX_Q1	Bsx	2	0	V\$SP1SP3_Q4	SP1:SP3	22	0
V\$OTX2_01	Otx2	21	0	V\$CACCCBINDINGF							
V\$OTX2_01		21	0	ACTOR_Q6	CACCC-binding factor	2	0	V\$SP4_Q5	SP4	22	0
V\$RELB_P52_01	kappaB site	21	0	V\$CMYC_Q1	c-Myc site	2	0	V\$TBP_Q1	TATA binding protein	22	0
V\$RHOX11_01	Rhox11	21	0	V\$DAX1_Q1	Dax1	2	0	V\$TGIF2_Q1	TGIF2	22	0
V\$S8_Q2	S8	21	0	V\$E47_Q1	E47	2	0	V\$TGIF_Q2	TGIF1	22	0
V\$SMAD1_01	SMAD1	21	0	V\$E4BP4_Q1	E4BP4	2	0	MA0056.1	MZF1_1-4	21	0
V\$TEF1_Q6	TEF-1	21	0	V\$GRE_C	Glucocorticoid response element	2	0	MA0144.1	Stat3	21	0



V\$TFII_Q6	TFII-I	21	0	V\$HEN1_02	HEN1	2	0	MA0152.1	NFATC2	21	0
V\$TGIF_02	TGIF1	21	0	V\$HP1SITEFACTOR_Q6	HP1 site factor	2	0	V\$AP1_Q6	activator protein 1	21	0
MA0056.1	MZF1_1-4	20	0	V\$LEF1_Q2_01	LEF1	2	0	V\$E12_Q6	E12	21	0
V\$AP2REP_01	AP-2 repressor CCAAT/enhancer binding protein beta	20	0	V\$LRH1_Q5	LRH1	2	0	V\$E47_01	E47	21	0
V\$CEBPB_01	CEBPB	20	0	V\$NFKAPPAB50_01	NF-kappaB (p50)	2	0	V\$ESE1_Q3	ESE1	21	0
V\$DLX2_01	Dlx-2	20	0	V\$OCT4_02	Oct-4 (POU5F1)	2	0	V\$FLI1_Q6	FLI1	21	0
V\$E2A_Q6	E2A	20	0	V\$OG2_01	OG-2	2	0	V\$FOXO1_01	fork head box O1 Hepatocyte Nuclear Factor 3beta	21	0
V\$EVX1_01	Evx-1	20	0	V\$PPAR_DR1_Q2	PPAR direct repeat 1	2	0	V\$HNF3B_01	interferon regulatory factor 7	21	0
V\$FOXO1_01	fork head box O1	20	0	V\$SF1_Q6	SF1	2	0	V\$IRF7_01	interferon-stimulated response element	21	0
V\$HNF4_DR1_Q3	HNF4 direct repeat 1	20	0	V\$TFE_Q6	TFE	2	0	V\$ISRE_01	interferon-stimulated response element	21	0
V\$HOXA1_01	HOXA1	20	0	V\$TST1_02		2	0	V\$LHX8_01	Lhx8	21	0
V\$LHX4_01	Lhx4 complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	20	0	V\$ZFP281_01	Zfp281	2	0	V\$MRG2_01	MRG2	21	0
V\$LMO2COM_01	complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	20	0	MA0056.1	MZF1_1-4	2	1	V\$MYOD_Q6_01	MyoD	21	0
V\$NFAT3_Q3	NFAT3	20	0	V\$SREBP1_Q5	SREBP1	2	1	V\$MYOGENIN_Q6	myogenin	21	0
V\$NKX22_02	NKX22	20	0	MA0031.1	FOXD1	1	0	V\$MZF1_Q5	MZF1 nuclear respiratory factor 2	21	0
V\$NKX23_01	Nkx2-3	20	0	MA0039.2	Klf4	1	0	V\$NRF2_01	nuclear respiratory factor 2	21	0
V\$NKX3A_02	Nkx3A	20	0	MA0058.1	MAX	1	0	V\$PEA3_Q6	PEA3	21	0
V\$NRSE_B	neural-restrictive- silencer-element	20	0	MA0059.1	MYC::MAX	1	0	V\$PKNOX2_01	PKNOX2	21	0
V\$PAX8_B	Pax-8 binding sites	20	0	MA0093.1	USF1	1	0	V\$SIRT6_01	SIRT6	21	0
V\$PITX1_01	Pitx1	20	0	MA0104.2	Mycn	1	0	V\$SIX4_01	six4	21	0
V\$PMX2A_01	PMX2A	20	0	MA0106.1	TP53	1	0	V\$SOX2_Q6	SOX2	21	0
V\$PPARG_Q6	half-site	20	0	MA0113.1	NR3C1	1	0	MA0046.1	HNF1A	20	0
V\$SP4_Q5	SP4 signal transducer and activator of transcription 5b	20	0	MA0116.1	Zfp423	1	0	MA0050.1	IRF1	20	0
V\$STAT5B_01	transcription 5b TCF11/KCR-F1/Nrf1 homodimers	20	0	MA0141.1	Esrrb	1	0	MA0138.2	REST	20	0
V\$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	20	0	MA0143.1	Sox2	1	0	V\$BRN2_01	POU factor Brn-2	20	0
V\$AML1_Q4	AML1	20	1	MA0155.1	INSM1	1	0	V\$CPHX_01	Cphx	20	0
V\$CEBPE_01	cebpe	19	0	MA0159.1	RXR::RAR_DR5	1	0	V\$CRX_02	Crx	20	0
V\$DUXL_01	Duxl	19	0	MA0258.1	ESR2	1	0	V\$EAR2_Q2	EAR2	20	0
V\$IK1_01	Ikaros 1	19	0	V\$BARX2_01	Barx-2	1	0	V\$EVX2_01	Evx2	20	0
V\$LHX61_01	lhx6.1	19	0	V\$BRN4_01	Brn-4	1	0	V\$FOXO3_01	fork head box O3	20	0
V\$MEIS1_02	Meis1	19	0	V\$CLOCKBMAL_Q6	CLOCK:BMAL	1	0	V\$FRA1_Q5	FRA1	20	0

V\$MEIS2_01	Meis2	19	0	V\$DBX2_01	Dbx-2	1	0	V\$FREAC7_01	Fork head Related Activator-7	20	0
V\$NKX29_01	Nkx2-9	19	0	V\$DELTAEF1_01	deltaEF1	1	0	V\$HELIOSA_02	Helios A	20	0
V\$NKX32_02	Nkx3-2	19	0	V\$DOBOX5_01	Dobox5	1	0	V\$KROX_Q6	KROX	20	0
V\$OSF2_Q6	Osf2	19	0	V\$EVI1_06	ectopic viral integration site 1 encoded factor	1	0	V\$NERF_Q2	new ets-related factor 1a	20	0
V\$PBX1_04	Pbx1	19	0	V\$FOXO4_01	fork head box O4 Fork head Related	1	0	V\$NFE2_01	NF-E2 p45	20	0
V\$PKNOX2_01	PKNOX2	19	0	V\$FREAC4_01	ACTivator-4 growth factor	1	0	V\$NKX21_01	Nkx2-1 neural-restrictive- silencer-element	20	0
V\$PREP1_01	PREP1	19	0	V\$GF11_01	independence 1	1	0	V\$NRSE_B	PREP1	20	0
V\$SIX4_01	six4	19	0	V\$HDX_01	Hdx	1	0	V\$PREP1_01	PREP1	20	0
V\$TGIF2_01	TGIF2	19	0	V\$HMX1_01	H6 homeobox 3	1	0	V\$PTF1BETA_Q6	PTF1-beta	20	0
V\$ZBED6_01	ZBED6	19	0	V\$HOXB3_01	HOXB3	1	0	V\$SOX9_Q4	SOX9	20	0
MA0114.1	HNF4A	18	0	V\$HOXD3_01	HOXD3	1	0	V\$STAT_Q6	STAT	20	0
MA0119.1	TLX1::NFIC	18	0	V\$HOXD8_01	HOXD8 Heat shock	1	0	V\$TCF4_01	TCF-4	20	0
V\$CPHX_01	Cphx selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2]	18	0	V\$HSF2_02	Heat shock transcription factor 2	1	0	V\$TEF_Q6	TEF	20	0
V\$CTF1_01		18	0	V\$IRF3_Q3	IRF3	1	0	V\$ANTP_Q6_01	Antp	19	0
V\$FOXP3_Q4	FOXP3	18	0	V\$ISRE_01	interferon-stimulated response element	1	0	V\$HP1SITEFACTOR_Q6	HP1 site factor	19	0
V\$GBX1_01	Gbx1	18	0	V\$LHX3_01	LIM homeobox transcription factor 3	1	0	V\$LMAF_Q2	LMAF	19	0
V\$GSH2_01	GSH2	18	0	V\$MEF2_03	myogenic MADS factor MEF-2	1	0	V\$RSRFC4_Q2	RSRFC4	19	0
V\$HAND1E47_01	Hand1:E47 heterodimer	18	0	V\$MTERF_01	mTERF binding site nerve growth factor- induced protein C	1	0	V\$SIX1_01	Six-1	19	0
V\$MRG2_01	MRG2	18	0	V\$NGFIC_01		1	0	V\$SMAD1_01	SMAD1	19	0
V\$MSX2_01	Msx-2	18	0	V\$OCT_C	Octamer binding site	1	0	V\$T3R_Q6	half-site matrix	19	0
V\$NUR77_Q5	NUR77	18	0	V\$PAX3_01	Pax-3 binding sites	1	0	V\$TEL2_Q6	Tel-2	19	0
V\$OBOX3_01	Obox3	18	0	V\$PBX1_01	Pbx-1	1	0	V\$TFII_Q6	TFII-I	19	0
V\$PAX_Q6	Pax	18	0	V\$PIT1_01	Pit-1	1	0	V\$UF1H3BETA_Q6	UF1H3BETA	19	0
V\$RFX3_01	RFX3 dimer	18	0	V\$POU5F1_01	POU5F1 b.s.	1	0	MA0101.1	REL	18	0
V\$SIRT6_01	SIRT6	18	0	V\$RXRG_01	RXRG dimer	1	0	V\$CEBPGAMMA_Q6	C/EBPgamma	18	0
V\$UF1H3BETA_Q6	UF1H3BETA	18	0	V\$SOX17_01	half-site	1	0	V\$FOXJ2_02	fork head box J 2 complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1,	18	0
V\$VAX2_01	Vax-2	18	0	V\$SRY_01	sex-determining region Y gene product	1	0	V\$LMO2COM_01	half-site 1	18	0
V\$TTF1_Q6	TTF-1 (Nkx2-1)	18	1	V\$STAT3STAT3_Q3	STAT3:STAT3	1	0	V\$SIX2_01	Six-2	18	0
V\$SREBP2_Q6	SREBP2	18	2	V\$STRA13_01	Stra13	1	0	V\$SIX3_01	Six-3	18	0

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MA0067.1	Pax2	17	0	V\$TAXCREB_02	Tax/CREB complex	1	0	V\$TATA_C	Retroviral TATA box	18	0
V\$ALX4_02	Alx-4	17	0	V\$TBX15_01	T-box 15	1	0	V\$ZFP281_01	Zfp281	18	0
V\$ATF5_01	ATF5 binding site	17	0	V\$TCF4_Q5	TCF-4	1	0	MA0143.1	Sox2	17	0
V\$EBOX_Q6_01	Ebox	17	0	V\$VBP_01	PAR-type chicken vitellogenin promoter-binding protein vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	1	0	V\$AP1FJ_Q2	activator protein 1	17	0
V\$HMBOX1_01	Hmbbox1	17	0	V\$VDR_Q3	alpha	1	0	V\$DMRT7_01	DMRT7	17	0
V\$HOMEZ_01	Homez	17	0	V\$ZFP206_01	Zfp206	1	0	V\$GAF_Q6	GAF	17	0
V\$HOXA3_02	HOXA3	17	0	MA0071.1	RORA_1	1	1	V\$HFH1_01	HNF-3/Fkh Homolog 1	17	0
V\$OBOX2_01	Obox2	17	0	MA0122.1	Nkx3-2	1	1	V\$MOVOB_01	MOV0-B	17	0
V\$PXRXR_01	RXR half-site	17	0	MA0132.1	Pdx1	1	1	V\$P53_03	tumor suppressor p53	17	0
V\$RBPJK_Q4	RBP-Jkappa	17	0	MA0133.1	BRCA1	1	1	V\$PITX3_01	Pitx3	17	0
V\$RORBETA_Q2	RORBETA	17	0	MA0151.1	ARID3A	1	1	V\$PUR1_Q4	PUR1	17	0
V\$SOX2_Q6	SOX2	17	0	V\$FOXM1_01	FOXM1	1	1	V\$SOX_Q6	SOX	17	0
V\$SOX4_01	SOX4	17	0	V\$HNF3_Q6_01	HNF3	1	1	V\$TCF3_01	TCF-3	17	0
V\$TCF4_Q5	TCF-4	17	0	V\$KROX_Q6	KROX	1	1	V\$CACBINDINGPROTEIN_Q6	CAC-binding protein	16	0
V\$ZABC1_01	ZABC1 b.s.	17	0	V\$OCT2_02	2-Oct	1	1	V\$CREL_01	c-Rel	16	0
V\$BCL6_01	BCL6	16	0	V\$POU6F1_01	POU6F1	1	1	V\$E2F_Q2	E2F	16	0
V\$EHF_01	EHF	16	0	V\$BRACH_01	Brachyury	1	3	V\$FOX3_01	fork head box D3	16	0
V\$EMX2_01	EMX2	16	0	MA0075.1	Prrx2	1	6	V\$GATA4_Q3	GATA-4	16	0
V\$GFI1_01	growth factor independence 1	16	0	MA0018.2	CREB1	0	1	V\$HMEF2_Q6	myocyte enhancer factor	16	0
V\$HOXC13_01	HOXC13	16	0	MA0029.1	Evi1	0	1	V\$NFMUE1_Q6	NF-muE1	16	0
V\$NKX21_01	Nkx2-1	16	0	MA0068.1	Pax4	0	1	V\$PXRXR_01	RXR half-site	16	0
V\$NKX26_01	Nkx2-6	16	0	MA0088.1	znf143	0	1	V\$TAL1ALPHA47_01	Tal-1alpha:E47 heterodimer	16	0
V\$OLF1_01	olfactory neuron-specific factor	16	0	MA0115.1	NR1H2::RXRA AhR nuclear translocator	0	1	V\$ZFP206_01	Zfp206	16	0
V\$PXR_Q2	half-site matrix	16	0	V\$ARNT_02	homodimers	0	1	MA0040.1	Foxq1	15	0
V\$TAL1ALPHA47_01	Tal-1alpha:E47 heterodimer	16	0	V\$CART1_01	Cart-1 (cartilage homeoprotein 1) cut-like homeodomain protein	0	1	MA0135.1	Lhx3	15	0
MA0047.2	Foxa2	15	0	V\$CDP_01	protein	0	1	MA0158.1	HOXA5	15	0
MA0151.1	ARID3A	15	0	V\$CNOT3_01	CNOT3	0	1	V\$AR_Q6	half-site matrix	15	0
MA0442.1	SOX10	15	0	V\$DLX2_01	Dlx-2	0	1	V\$ATF5_01	ATF5 binding site	15	0
V\$DLX3_01	dlx3	15	0	V\$DLX7_01	Dlx7	0	1	V\$BACH2_01	BTB and CNC homolog 2	15	0

V\$HNF3A_01	FOXA1	15	0	V\$DMRT5_01	DMRT5	0	1	V\$CEBPB_01	CCAAT/enhancer binding protein beta	15	0	
V\$OCT2_01		2-Oct	15	0	V\$E2F_01	E2F	0	1	V\$COMP1_01	COMP1	15	0
V\$OG2_02	OG-2	15	0	V\$EGR3_01	early growth response gene 3 product	0	1	V\$ERG_01	ERG	15	0	
V\$POU2F3_01	POU2F3	15	0	V\$FOXO1_02	fork head box O1	0	1	V\$GADP_01	Growth-associated binding protein	15	0	
V\$RAX_01	rax	15	0	V\$FREAC2_01	Fork head RElated ACTivator-2 GCNF (germ cell nuclear factor)	0	1	V\$LFA1_Q6	LF-A1	15	0	
V\$KID3_01	Kid3	15	1	V\$GCNF_01		0	1	V\$NFKB_Q6_01	NF-kappaB Sox2-Oct4 joint motif, in silico predicted	15	0	
V\$P300_01	p300	15	2	V\$GKLF_02	GKLF (KLF4)	0	1	V\$OCT4_01		15	0	
MA0113.1	NR3C1	14	0	V\$GLI_Q2	GLI	0	1	V\$RNF96_01	RNF96	15	0	
MA0135.1	Lhx3	14	0	V\$HELIOSA_02	Helios A	0	1	V\$USF_Q6_01	USF	15	0	
V\$CDX_Q5	Cdx	14	0	V\$HFH1_01	HNF-3/Fkh Homolog 1	0	1	MA0052.1	MEF2A	14	0	
V\$CREBP1CJUN_01	CRE-binding protein 1:c-Jun heterodimer	14	0	V\$HFH4_01	HFH4 (FOXJ1)	0	1	MA0060.1	NFYA	14	0	
V\$DAX1_01	Dax1	14	0	V\$HIF2A_01	HIF-2alpha	0	1	MA0062.2	GABPA	14	0	
V\$DLX7_01	Dlx7	14	0	V\$HMEF2_Q6	myocyte enhancer factor	0	1	MA0113.1	NR3C1	14	0	
V\$FAC1_01	fetal Alz-50 clone 1	14	0	V\$HNF3B_01	Hepatocyte Nuclear Factor 3beta	0	1	V\$BACH1_01	BTB and CNC homolog 1	14	0	
V\$GADP_01	Growth-associated binding protein	14	0	V\$IRF2_01	interferon regulatory factor 2	0	1	V\$CDC5_01	cell division control protein 5	14	0	
V\$GBX2_01	Gbx2	14	0	V\$MECP2_01	MECP2 b.s.	0	1	V\$FREAC2_01	Fork head RElated ACTivator-2 growth factor independence 1	14	0	
V\$IRF7_01	interferon regulatory factor 7	14	0	V\$MTF1_Q4	MTF-1	0	1	V\$GFI1_01		14	0	
V\$MEF2_02	myogenic MADS factor MEF-2	14	0	V\$NKX11_01	Nkx1-1	0	1	V\$HNF3ALPHA_Q6	HNF3alpha	14	0	
V\$NKX24_01	Nkx2-4	14	0	V\$NKX61_01	NKX6-1	0	1	V\$HNF6_Q6	HNF6	14	0	
V\$P50P50_Q3	P50:P50	14	0	V\$OBOX3_01	Obox3	0	1	V\$HSF_Q6	HSF	14	0	
V\$P53_Q3	tumor suppressor p53	14	0	V\$OBOX5_01	Obox5	0	1	V\$KLF15_Q2	KLF15	14	0	
V\$PPAR_DR1_Q2	PPAR direct repeat 1	14	0	V\$OBOX6_01	Obox6	0	1	V\$E2A_Q6	E2A	14	1	
V\$SATB1_Q3	SATB1	14	0	V\$OCT1_Q5_01		0	1	MA0039.2	Klf4	13	0	
V\$SOX_Q6	SOX	14	0	V\$PITX1_01	Pitx1	0	1	MA0063.1	Nkx2-5	13	0	
V\$SP3_Q3	Sp3	14	0	V\$POU3F2_01	POU3F2	0	1	MA0075.1	Prrx2	13	0	
V\$TFEB_01	TFEB	14	0	V\$PR_Q2	half-site matrix	0	1	V\$E2F1DP1RB_01	Rb:E2F-1:DP-1 trimeric complex	13	0	
	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha											
V\$VDR_Q3		14	0	V\$RHOX11_01	Rhox11	0	1	V\$E2F4DP1_01	E2F-4:DP-1 heterodimer	13	0	
MA0143.1	Sox2	13	0	V\$RP58_01	58 KDA repressor protein	0	1	V\$FOXP3_01	forkhead box P3	13	0	

MA0157.1	FOXO3 activating transcription factor 3	13	0	V\$RREB1_01	Ras-responsive element binding protein 1	0	1	V\$GABP_B	GA binding protein	13	0
V\$ATF3_Q6		13	0	V\$RXRLXRB_01	RXR:LXR-beta Consensus SATB1 Binding Sequence	0	1	V\$IRF8_Q6	IRF8	13	0
V\$BRN2_01	POU factor Brn-2	13	0	V\$SATB1_01		0	1	V\$MAF_Q6	MAF nuclear factor Y (Y- box binding factor)	13	0
V\$HNF3ALPHA_Q6	HNF3alpha	13	0	V\$SOX4_01	SOX4	0	1	V\$NFY_01 V\$P50RELAP65_Q5 _01	P50:RELA-P65	13	0
V\$OBOX1_01	Obox1	13	0	V\$SP1SP3_Q4	SP1:SP3 Se-Cys tRNA gene transcription activating factor	0	1	V\$SP3_Q3	Sp3	13	0
V\$OTX3_01	Otx3	13	0	V\$STAF_02		0	1	V\$ZBED6_01	ZBED6	13	0
V\$NURR1_Q3	NURR1 activating transcription factor 4	13	1	V\$TBX5_01	TBX5	0	1	MA0031.1	FOXD1	12	0
V\$ATF4_Q2		12	0	V\$WT1_Q6	WT1 zinc finger protein of the cerebellum 2	0	1	MA0041.1	Foxd3	12	0
V\$FOXO3A_Q1	FOXO3A	12	0	V\$ZIC2_01		0	1	MA0048.1	NHLH1	12	0
V\$HSF_Q6	HSF	12	0	MA0027.1	En1	0	2	MA0107.1	RELA cAMP-responsive element binding protein CRE-binding protein	12	0
V\$KLF15_Q2	KLF15	12	0	MA0040.1	Foxq1	0	2	V\$CREB_01	1:c-Jun heterodimer	12	0
V\$LEF1TCF1_Q4	LEF1, TCF1	12	0	MA0140.1	Tal1::Gata1	0	2	V\$CREBP1CJUN_01		12	0
V\$NKX25_03	NKX25 X-box binding protein	12	0	V\$CDX1_01	Cdx-1	0	2	V\$FOX_Q2	FOX factors	12	0
V\$RFX1_02	RFX1	12	0	V\$CDX2_01	Cdx-2	0	2	V\$FREAC3_01	Fork head Related ACTivator-3 glucocorticoid receptor	12	0
MA0039.2	Klf4	11	0	V\$DEC_Q1	DEC	0	2	V\$GR_Q6	NF-kappaB (p65) CIZ (Cas-associated zinc finger protein)	12	0
MA0164.1	Nr2e3	11	0	V\$DLX3_01	dlx3	0	2	V\$NFKAPPAB65_01	E2F-1:DP-1 heterodimer	12	0
V\$COUP_DR1_Q6	COUP direct repeat 1	11	0	V\$DMRT2_01	DMRT2	0	2	V\$CIZ_01	E2F-4:DP-2 heterodimer	11	0
V\$DLX5_01	dlx5	11	0	V\$FOXO3_01	fork head box O3	0	2	V\$E2F1DP1_01		11	0
V\$HB9_01	HB9	11	0	V\$GATA1_03	GATA-binding factor 1	0	2	V\$E2F4DP2_01		11	0
V\$HSF1_Q6	HSF1 Sox2-Oct4 joint motif, in silico predicted	11	0	V\$GCM_Q2	GCM	0	2	V\$SOX5_01	Sox-5	11	0
V\$OCT4_01		11	0	V\$GLI1_01	GLI1	0	2	V\$KID3_01	Kid3	11	1
V\$SMAD_Q6	SMAD	11	1	V\$GLI2_01	GLI2	0	2	MA0051.1	IRF2	10	0
V\$CACBINDINGPROTEIN_Q6	CAC-binding protein cAMP-responsive element binding protein 1	11	3	V\$HNF3_01	HNF-3/Fkh Homolog- 8	0	2	V\$AFP1_Q6	AFP1 BRCA1 containing protein complex with USF2	10	0
V\$CREBP1_01		10	0	V\$HIF1_Q5	hypoxia-inducible factor 1	0	2	V\$BRCA_01		10	0
V\$GLI3_01	GLI3	10	0	V\$HOXA11_01	HOXA11	0	2			10	0

V\$HP1SITEFACTOR_Q6	HP1 site factor	10	0	V\$HOXB9_01	HOXB9	0	2	V\$CACCCBINDINGFACTOR_Q6	CACCC-binding factor cAMP-responsive element binding protein 1	10	0
V\$OCT_C	Octamer binding site related to serum response factor, C4	10	0	V\$HOXC10_01	HOXC10	0	2	V\$CREBP1_01	CREB1	10	0
V\$RSRFC4_01	RSRFC4	10	0	V\$NKX29_01	Nkx2-9	0	2	V\$LTF_Q6	LTF	10	0
V\$SP1SP3_Q4	SP1:SP3	10	0	V\$OBOX2_01	Obox2	0	2	V\$PAX8_B	Pax-8 binding sites	10	0
V\$TAL1BETA47_01	Tal-1beta:E47 heterodimer	10	0	V\$RNF96_01	RNF96	0	2	V\$RELB_Q6	kappaB site	10	0
MA0112.2	ESR1	10	1	V\$RORA1_01	RAR-related orphan receptor alpha1	0	2	V\$SMAD3_Q6	SMAD3	10	0
V\$PPARA_Q6	half-site	10	1	V\$RSRFC4_01	related to serum response factor, C4	0	2	V\$VDR_Q3	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	10	0
MA0052.1	MEF2A	9	0	V\$SREBP_Q6	SREBP	0	2	MA0030.1	FOXF2	9	0
MA0062.2	GABPA	9	0	V\$SZF1_01	SZF1-1	0	2	MA0038.1	Gfi	9	0
V\$CEBPDELTA_Q6	C/EBPdelta	9	0	V\$YY1_02	Yin and Yang 1	0	2	MA0057.1	MZF1_5-13	9	0
V\$EGR_Q6	Egr	9	0	V\$ZNF219_01	ZNF219	0	2	MA0125.1	Nobox	9	0
V\$HELIOSA_02	Helios A	9	0	MA0052.1	MEF2A	0	3	MA0142.1	Pou5f1	9	0
V\$HEN1_02	HEN1	9	0	MA0131.1	MIZF	0	3	V\$E2F1DP2_01	E2F-1:DP-2 heterodimer	9	0
V\$HMEF2_Q6	myocyte enhancer factor	9	0	MA0163.1	PLAG1	0	3	V\$HFH3_01	HFH-3 (HNF3/fork head homolog 3)	9	0
V\$IK3_01	Ikaros 3	9	0	V\$AIRE_01	AIRE	0	3	V\$HFH8_01	HNF-3/Fkh Homolog-8	9	0
V\$KROX_Q6	KROX	9	0	V\$CDC5_01	cell division control protein 5	0	3	V\$MAZR_01	MAZ related factor	9	0
V\$MOVOB_01	MOV0-B	9	0	V\$CDX_Q5	Cdx	0	3	V\$OTX_Q1	OTX	9	0
V\$ZFP206_01	Zfp206	9	0	V\$CEBPGAMMA_Q6	C/EBPgamma	0	3	V\$PLZF_Q2	PLZF	9	0
V\$PUR1_Q4	PUR1	9	9	V\$COUPTF_Q6	COUPTF	0	3	V\$POU1F1_Q6	POU1F1	9	0
MA0017.1	NR2F1	8	0	V\$FAC1_01	fetal Alz-50 clone 1	0	3	V\$STAT5B_Q1	signal transducer and activator of transcription 5b	9	0
MA0155.1	INSM1	8	0	V\$HIC1_Q3	HIC1	0	3	V\$MAFA_Q4_Q1	MAFA	9	1
V\$CEBPGAMMA_Q6	C/EBPgamma	8	0	V\$MOVOB_01	MOV0-B modulator recognition factor 2	0	3	V\$TTF1_Q6	TTF-1 (Nkx2-1)	9	1
V\$GFI1B_Q1	Gfi1b	8	0	V\$MRF2_Q1	MRF2	0	3	MA0002.2	RUNX1	8	0
V\$GSC_Q1	Gsc	8	0	V\$OBOX1_01	Obox1	0	3	MA0047.2	Foxa2	8	0
V\$HFH1_Q1	HNF-3/Fkh Homolog 1	8	0	V\$PITX3_Q1	Pitx3	0	3	MA0061.1	NF-kappaB	8	0
V\$ISX_Q1	isx	8	0	V\$SIRT6_Q1	SIRT6	0	3	MA0076.1	ELK4	8	0
V\$STAT3_Q3	STAT3:STAT3	8	0	V\$TBR2_Q1	TBR2	0	3	MA0145.1	Tcfcp2l1	8	0
V\$TAL1BETAITF2_01	Tal-1beta:ITF-2 heterodimer	8	0	V\$TCF3_Q1	TCF-3	0	3	V\$DR1_Q3	Direct repeat 1	8	0

V\$TITF1_Q3	TTF-1, TITF1 (thyroid transcription factor 1)	8	0	V\$TERALPHA_Q6	TERALPHA	0	3	V\$HSF1_Q6	HSF1	8	0
MA0051.1	IRF2	7	0	V\$ZFX_01	Zfx	0	3	MA0114.1	HNF4A	7	0
MA0159.1	RXR::RAR_DR5 Fork head RElated ACTivator-7	7	0	V\$ZIC3_01	zinc finger protein of the cerebellum 3	0	3	MA0148.1	FOXA1	7	0
V\$FREAC7_01		7	0	MA0063.1	Nkx2-5	0	4	V\$EHF_01	EHF	7	0
V\$GABP_B	GA binding protein	7	0	MA0124.1	NKX3-1	0	4	V\$OCT_C	Octamer binding site	7	0
V\$HOXA13_02	HOXA13	7	0	V\$AHRARNT_01	aryl hydrocarbon receptor:Arnt heterodimers	0	4	V\$OLF1_01	olfactory neuron-specific factor	7	0
V\$IRF8_Q6	IRF8	7	0	V\$CDPCR3HD_01	cut-like homeodomain protein	0	4	V\$POU3F2_02	POU3F2	7	0
V\$IRX4_01	IRX4	7	0	V\$CHOP_01	heterodimers of CHOP and C/EBPalpha	0	4	V\$PPARG_Q6	half-site	7	0
V\$LRH1_Q5	LRH1	7	0	V\$EGR_Q6	Egr	0	4	V\$RBPJK_Q4	RBP-Jkappa	7	0
V\$NKX11_01	Nkx1-1	7	0	V\$FOX_Q2	FOX factors	0	4	V\$STAT3STAT3_Q3	STAT3:STAT3	7	0
V\$TBP_01	TATA binding protein	7	0	V\$GATA4_Q3	GATA-4	0	4	V\$TAL1BETAE47_01	Tal-1beta:E47 heterodimer	7	0
MA0133.1	BRCA1	7	1	V\$GZF1_01	plays a role in renal branching morphogenesis	0	4	V\$TFEB_01	TFEB	7	0
V\$TCF3_01	TCF-3	7	2	V\$HNF6_Q6	HNF6	0	4	V\$SREBP2_Q6	SREBP2	7	3
MA0059.1	MYC::MAX	6	0	V\$HOXA10_01	HOXA10	0	4	MA0042.1	FOXI1	6	0
MA0093.1	USF1	6	0	V\$HOXA7_01	HOXA7	0	4	MA0065.2	PPARG::RXRA	6	0
I\$ANTP_Q6_01	Antp cAMP-responsive element binding protein	6	0	V\$HOXC11_01	HOXC11	0	4	MA0087.1	Sox5	6	0
V\$CREB_01		6	0	V\$HOXD11_01	HOXD11	0	4	V\$CNOT3_01	CNOT3	6	0
V\$DOBOX4_01	Dobox4	6	0	V\$HOXD12_01	HOXD12	0	4	V\$DAX1_01	Dax1	6	0
V\$HOXA11_01	HOXA11	6	0	V\$OCTAMER_01	Octamer	0	4	V\$DMRT4_01	DMRT4	6	0
V\$IRX5_01	Irx5	6	0	V\$REX1_02	REX1	0	4	V\$ER_Q6_02	half-site matrix, half-ERE	6	0
V\$LEF1_Q2_01	LEF1	6	0	MA0035.2	Gata1 cut-like homeodomain protein	0	5	V\$IK1_01	Ikaros 1	6	0
V\$MAX_01	Max	6	0	V\$CDPCR3_01		0	5	V\$KAISO_01	KAISO	6	0
V\$MYCMAX_01	c-Myc:Max heterodimer	6	0	V\$DMRT3_01	DMRT3	0	5	V\$NFKAPPAB_01	NF-kappaB	6	0
V\$MYOGNF1_01	myogenin / nuclear factor 1 or related factors	6	0	V\$HOMEZ_01	Homez	0	5	V\$SP2_01	SP2	6	0
MA0130.1	ZNF354C	6	1	V\$HOXC12_01	HOXC12	0	5	V\$TFIIA_Q6	TFIIA	6	0
MA0160.1	NR4A2	6	1	V\$SPZ1_01	spermatogenic Zip	0	5	MA0150.1	NFE2L2	5	0
V\$LRF_Q2	LRF	6	1	V\$TATA_C	Retroviral TATA box	0	5	V\$ALPHACP1_01	alpha-CP1 activating transcription factor 3	5	0
V\$RPC155_01	RPC155	6	13	MA0041.1	Foxd3	0	6	V\$ATF3_Q6		5	0
MA0040.1	Foxq1	5	0	MA0146.1	Zfx	0	6	V\$CREBATF_Q6	CREB, ATF	5	0

MA0087.1	Sox5	5	0	V\$ETF_Q6	ETF	0	6	V\$DR4_Q2	direct repeat 4	5	0
MA0105.1	NFKB1	5	0	V\$FOXJ2_01	fork head box J 2	0	6	V\$FOXJ3_01	foxj3	5	0
MA0142.1	Pou5f1	5	0	V\$FOXJ3_01	foxj3	0	6	V\$HNF4_01	hepatic nuclear factor 4	5	0
V\$CMYC_02	c-Myc heterodimer (with a 26-29 kDa factor)	5	0	V\$GATA2_03	GATA-binding factor 2	0	6	V\$NRF1_Q6	nuclear respiratory factor 1	5	0
V\$FREAC3_01	Fork head RElated ACTivator-3	5	0	V\$HFH3_01	HFH-3 (HNF3/fork head homolog 3)	0	6	V\$P50P50_Q3	P50:P50	5	0
V\$HBP1_Q2	hbp1	5	0	V\$NKX3A_01	NK class homeobox factor 3A	0	6	V\$REX1_03	REX1	5	0
V\$HNF4ALPHA_Q6	HNF4alpha	5	0	V\$HMGA2_01	HMGA2 binding site	0	6	V\$TAL1BETAITF2_01	Tal-1beta:ITF-2 heterodimer	5	0
V\$HOXC11_01	HOXC11	5	0	V\$AHR_01	aryl hydrocarbon / dioxin receptor	0	7	V\$EBOX_Q6_01	Ebox	5	1
V\$MAZR_01	MAZ related factor	5	0	V\$FOXP1_01	FOXP1	0	7	V\$MTF1_02	MTF1	5	1
V\$NFKAPPAB50_01	NF-kappaB (p50) high affinity binding sites for progesterone receptor	5	0	V\$HOXA13_03	HOXA13	0	7	V\$NURR1_Q3	NURR1	5	1
V\$PR_01	REX1	5	0	MA0108.2	TBP	0	8	V\$BRF1_01	BRF-1	5	2
V\$REX1_03	REX1	5	0	I\$ANTP_Q6_01	Antp cut-like homeodomain protein	0	8	MA0025.1	NFIL3	4	0
V\$SF1_Q6	SF1	5	0	V\$CDPCR1_01	CDPCR1	0	8	MA0104.2	Mycn	4	0
MA0258.1	ESR2	5	1	V\$GATA_C	GATA binding site	0	9	V\$CACD_01	CACD	4	0
V\$CHCH_01	Churchill	5	1	V\$HOXA9_01	hoxa9	0	9	V\$CEBPE_01	cebpe	4	0
MA0014.1	Pax5	4	0	V\$HOXB13_01	HOXB13	0	9	V\$GATA3_03	GATA-binding factor 3	4	0
MA0031.1	FOXO1	4	0	V\$HOXC13_01	HOXC13	0	9	V\$HFH4_01	HFH4 (FOXJ1)	4	0
MA0091.1	TAL1::TCF3	4	0	V\$POU2F3_01	POU2F3	0	9	V\$HNF3A_01	FOXA1	4	0
MA0104.2	Mycn	4	0	MA0111.1	Spz1	0	10	V\$HSF2_01	heat shock factor 2	4	0
V\$DMRT7_01	DMRT7	4	0	V\$CHCH_01	Churchill	0	10	V\$MAX_01	Max	4	0
V\$FOXJ3_01	foxj3	4	0	V\$GATA3_02	GATA-binding factor 3	0	10	V\$PEBP_Q6	PEBP	4	0
V\$FXR_Q2	half-site	4	0	V\$HOXD13_01	HOXD13	0	10	V\$PR_01	high affinity binding sites for progesterone receptor	4	0
V\$GATA4_Q3	GATA-4	4	0	V\$LRF_Q2	LRF	0	10	V\$RFX1_02	X-box binding protein RFX1	4	0
V\$HNF6_Q6	HNF6	4	0	V\$BRF1_01	BRF-1	0	11	V\$SMAD4_Q6	SMAD4	4	0
V\$HOXC10_01	HOXC10	4	0	V\$HOXD10_01	HOXD10	0	11	V\$ZABC1_01	ZABC1 b.s.	4	0
V\$HOXC12_01	HOXC12	4	0	MA0042.1	FOXI1	0	12	V\$SMAD_Q6	SMAD	4	2
V\$HOXD11_01	HOXD11	4	0	V\$AHRHIF_Q6	AhR, Arnt, HIF-1	0	12	MA0006.1	Arnt::Ahr	3	0
V\$HOXD12_01	HOXD12	4	0	V\$DOBOX4_01	Dobox4	0	12	MA0027.1	En1	3	0
V\$IRX2_01	Irx2	4	0	V\$FOXO3A_Q1	FOXO3A	0	12	MA0073.1	RREB1	3	0
V\$PNR_01	PNR	4	0	V\$IK2_01	Ikaros 2	0	12	MA0105.1	NFKB1	3	0
V\$IK_Q5	Ikaros	4	15	V\$GATA6_01	GATA-6	0	13	V\$AIRE_01	AIRE	3	0



MA0025.1	NFIL3	3	0	V\$IRX4_01	IRX4	0	13	V\$ATF1_Q6	ATF1	3	0
V\$DR4_Q2	direct repeat 4 Rb:E2F-1:DP-1	3	0	V\$LXR_DR4_Q3	LXR direct repeat 4 Fork head RElated	0	13	V\$ATF_B	ATF binding site	3	0
V\$E2F1DP1RB_01	trimeric complex	3	0	V\$FREAC7_01	ACTivator-7	0	14	V\$CHX10_01	CHX10 c-Myc heterodimer (with a 26-29 kDa factor)	3	0
V\$E2F4DP1_01	E2F-4:DP-1 heterodimer	3	0	V\$IRX2_01	Irx2	0	14	V\$CMYC_02		3	0
V\$ERG_01	ERG	3	0	V\$IRX3_01	Irx-3	0	14	V\$CP2_01	CP2	3	0
V\$FREAC2_01	Fork head RElated ACTivator-2	3	0	V\$IRX5_01	Irx5	0	14	V\$DMRT2_01	DMRT2	3	0
V\$FREAC4_01	Fork head RElated ACTivator-4	3	0	V\$IRXB3_01	IRXB3	0	14	V\$DMRT3_01	DMRT3	3	0
V\$GRE_C	Glucocorticoid response element	3	0	V\$MEF2C_01	MEF-2C	0	14	V\$FOXP1_01	FOXP1	3	0
V\$HFH8_01	HNF-3/Fkh Homolog- 8	3	0	V\$ZF5_01	ZF5	0	14	V\$GATA_C	GATA binding site	3	0
V\$IRX3_01	Irx-3	3	0	V\$CIZ_01	CIZ (Cas-associated zinc finger protein)	0	15	V\$MECP2_02	MECP2 b.s.	3	0
V\$IRXB3_01	IRXB3	3	0	V\$SIX6_02	Six-6 2 ERE half-sites with a 3bp spacer within	0	15	V\$MEIS1AHOXA9_0 1	Meis-1a:HOXA9 heterodimeric binding	3	0
V\$LBP9_01	LBP9 (Tcfcp211)	3	0	V\$ERALPHA_01		0	16	V\$NUR77_Q5	NUR77	3	0
V\$LHX8_01	Lhx8	3	0	MA0019.1	Ddit3::Cebpa	0	17	V\$P300_01	p300	3	0
V\$OBOX6_01	Obox6	3	0	MA0032.1	FOXC1	0	17	V\$RFX3_01	RFX3 dimer	3	0
V\$POU1F1_Q6	POU1F1 Ras-responsive element binding protein 1	3	0	V\$AP3_Q6	AP-3	0	17	V\$SRF_Q5_02	SRF Se-Cys tRNA gene transcription activating factor	3	0
V\$RREB1_01		3	0	V\$ING4_01	ING4	0	17	V\$STAF_01		3	0
V\$RXRLXRB_01	RXR:LXR-beta	3	0	V\$SIX1_01	Six-1	0	17	V\$STRA13_01	Stra13 TCF11:MafG	3	0
V\$TATA_C	Retroviral TATA box	3	0	V\$ZNF333_01	ZNF333 apolipoprotein AI regulatory protein 1	0	17	V\$TCF11MAFG_01	heterodimers	3	0
V\$DBP_Q6	DBP	3	3	V\$ARP1_01		0	18	MA0103.1	ZEB1	3	1
V\$LYF1_01	LyF-1	3	18	V\$OTX2_Q3	OTX2	0	18	V\$HIC1_02	HIC1	3	1
MA0030.1	FOXF2	2	0	V\$SIX2_01	Six-2	0	18	MA0132.1	Pdx1	3	2
MA0069.1	Pax6	2	0	V\$SIX3_01	Six-3	0	18	MA0017.1	NR2F1	2	0
MA0116.1	Zfp423	2	0	MA0109.1	Hltf HOXA3 (homeobox cluster protein)	0	19	MA0018.2	CREB1	2	0
MA0125.1	Nobox	2	0	V\$HOXA3_01		0	19	MA0035.2	Gata1	2	0
MA0141.1	Esrrb	2	0	V\$LUN1_01	LUN-1	0	19	MA0069.1	Pax6	2	0
V\$AFP1_Q6	AFP1	2	0	V\$RUSH1A_Q2	RUSH-1alpha	0	19	MA0092.1	Hand1::Tcf2a	2	0
V\$CACD_01	CACD	2	0	V\$YY2	YY2	0	19	MA0093.1	USF1	2	0
V\$COMP1_01	COMP1	2	0	V\$IK_Q5	Ikaros	0	20	MA0133.1	BRCA1	2	0
V\$CRX_02	Crx	2	0	V\$LYF1_01	LyF-1	0	21	MA0140.1	Tal1::Gata1	2	0
V\$E4BP4_01	E4BP4	2	0	MA0033.1	FOXL1	0	22	MA0155.1	INSM1	2	0
V\$ERR2_01	ERR2 (ESRRB)	2	0	V\$HOXA4_Q2	HOXA4	0	22	MA0164.1	Nr2e3	2	0

V\$EVX2_01	Evx2	2	0	V\$BDP1_01	BDP1	0	23	F\$AMT1_Q2	AMT1	2	0
V\$FOXJ2_02	fork head box J 2	2	0	V\$GTF2IRD1_01	GTF2IRD1-isoform2	0	23	V\$ARNT_02	AhR nuclear translocator homodimers	2	0
V\$HSF2_03	HSF2	2	0	V\$PITX2_Q2	pituitary homeobox factor 2	0	23	V\$CEBPDELTA_Q6	C/EBPdelta	2	0
V\$PLZF_02	PLZF	2	0	V\$RPC155_01	RPC155	0	23	V\$CMAF_02	C-MAF	2	0
V\$ROAZ_01	rat Olf-1/EBF-associated zinc finger protein	2	0					V\$COUP_01	COUP-TF, HNF-4 Hand1:E47	2	0
V\$SRF_02	serum response factor	2	0					V\$HAND1E47_01	heterodimer	2	0
V\$STAF_01	Se-Cys tRNA gene transcription activating factor	2	0					V\$HEN1_02	HEN1	2	0
MA0057.1	MZF1_5-13	2	1					V\$HTF_01	HTF	2	0
V\$BRF1_01	BRF-1	2	7					V\$LBP9_01	LBP9 (Tcfcp211)	2	0
MA0004.1	Arnt	1	0					V\$LXR_Q3	LXR	2	0
MA0006.1	Arnt::Ahr	1	0					V\$MEIS1BHOXA9_02	Meis-1b:HOXA9 heterodimeric binding modulator recognition	2	0
MA0007.1	Ar	1	0					V\$MRF2_01	factor 2 myogenin / nuclear factor 1 or related factors	2	0
MA0115.1	NR1H2::RXRA	1	0					V\$MYOGNF1_01		2	0
MA0147.1	Myc	1	0					V\$NFKAPPAB50_01	NF-kappaB (p50)	2	0
MA0158.1	HOXA5	1	0					V\$NMYC_01	N-Myc	2	0
V\$ATF1_Q6	ATF1	1	0					V\$PPAR_DR1_Q2	PPAR direct repeat 1	2	0
V\$ATF_B	ATF binding site	1	0					V\$SAP1A_01	SAP-1a	2	0
V\$BRCA_01	BRCA1 containing protein complex with USF2	1	0					V\$WHN_B	winged-helix factor nude	2	0
V\$CDC5_01	cell division control protein 5	1	0					V\$XBP1_02	XBP1	2	0
V\$DMRT4_01	DMRT4	1	0					V\$YY1_01	Yin and Yang 1	2	0
V\$DR3_Q4	direct repeat 3	1	0					V\$ZNF219_01	ZNF219	2	0
V\$ETF_Q6	ETF	1	0					V\$HMGA2_01	HMGA2 binding site	2	0
V\$HLF_01	hepatic leukemia factor	1	0					V\$DMRT1_01	DMRT1	2	1
V\$ISL1_Q6	ISL1	1	0					V\$GFI1B_01	Gfi1b	2	1
V\$MIF1_01	MIBP-1 / RFX1 complex	1	0					V\$GKLF_02	GKLF (KLF4)	2	1
V\$NFMUE1_Q6	NF-muE1	1	0					MA0124.1	NKX3-1	2	3
V\$NRF1_Q6	nuclear respiratory factor 1	1	0					V\$SOX17_01	half-site	2	4
V\$PAX3_01	Pax-3 binding sites	1	0					MA0004.1	Arnt	1	0

V\$POU3F2_01	POU3F2	1	0	MA0007.1	Ar	1	0
V\$RORA2_01	RAR-related orphan receptor alpha2	1	0	MA0072.1	RORA_2	1	0
V\$RP58_01	58 KDA repressor protein	1	0	MA0090.1	TEAD1	1	0
V\$RXRG_01	RXRG dimer	1	0	MA0091.1	TAL1::TCF3	1	0
V\$SIX6_01	Six-6	1	0	MA0117.1	Mafb	1	0
V\$SP2_01	SP2	1	0	MA0141.1	Esrrb	1	0
V\$TAXCREB_02	Tax/CREB complex	1	0	MA0159.1	RXR::RAR_DR5	1	0
V\$TFIIA_Q6	TFIIA	1	0	V\$AML2_01	AML2	1	0
V\$XBP1_01	X-box-binding protein 1	1	0	V\$AML_Q6	AML	1	0
MA0071.1	RORA_1	1	1	V\$CLOCKBMAL_Q6	CLOCK:BMAL	1	0
V\$FOX_Q2	FOX factors	1	1	V\$COREBINDINGFACTOR_Q6	core-binding factor	1	0
V\$FOXP1_01	FOXP1	1	1	V\$DEAF1_01	DEAF1	1	0
MA0063.1	Nkx2-5	1	3	V\$DMRT5_01	DMRT5	1	0
V\$HFH3_01	HFH-3 (HNF3/fork head homolog 3)	1	3	V\$E4BP4_01	E4BP4	1	0
V\$ZNF219_01	ZNF219	1	3		Egr-1/Krox-24/NGFI-A immediate-early gene product	1	0
V\$HMGA2_01	HMGA2 binding site	1	4	V\$EGR1_01		1	0
MA0075.1	Prrx2	1	5	V\$ERR2_01	ERR2 (ESRRB)	1	0
V\$BRACH_01	Brachyury	1	6		Fork head RElated Activator-4	1	0
V\$GATA1_07	GATA-1	1	11	V\$FREAC4_01		1	0
MA0037.1	GATA3	1	21	V\$GATA2_02	GATA-binding factor 2	1	0
MA0131.1	MIZF	0	1	V\$GATA6_01	GATA-6	1	0
V\$DMRT5_01	DMRT5	0	1		GCNF (germ cell nuclear factor)	1	0
V\$ERR1_Q2	estrogen-related receptor alpha	0	1	V\$GCNF_01	Glucocorticoid response element	1	0
V\$GATA2_02	GATA-binding factor 2	0	1		hepatic leukemia factor	1	0
V\$GKLF_02	GKLF (KLF4)	0	1	V\$GRE_C		1	0
V\$LXR_Q3	LXR	0	1	V\$HLF_01		1	0
V\$MEIS1BHOXA9_02	Meis-1b:HOXA9 heterodimeric binding modulator recognition factor 2	0	1	V\$LEF1_Q2_01	LEF1	1	0
V\$MRF2_01		0	1	V\$LEF1TCF1_Q4	LEF1, TCF1	1	0
V\$P63_01	p63	0	1	V\$LRH1_Q5	LRH1	1	0
V\$RNF96_01	RNF96	0	1		MIBP-1 / RFX1 complex	1	0
				V\$MIF1_01		1	0
				V\$MIZF_01	MIZF	1	0
					c-Myc:Max heterodimer	1	0
				V\$MYCMAX_01		1	0
				V\$NF1_Q6_01	NF-1	1	0
				V\$PAX3_B	Pax-3 binding sites	1	0

V\$SIX3_01	Six-3	0	1	V\$PAX_Q6	Pax	1	0
V\$SOX17_01	half-site	0	1	V\$PPARA_01	PPAR:RXR heterodimers	1	0
V\$ZID_01	zinc finger with interaction domain	0	1	V\$PXR_Q2	half-site matrix	1	0
MA0029.1	Evi1	0	2	V\$TBX18_01	T-box 18 PAR-type chicken vitellogenin promoter- binding protein	1	0
MA0041.1	Foxd3	0	2	V\$VBP_01	ZBRK1	1	0
MA0149.1	EWSR1-FLI1	0	2	V\$ZFX_01	Zfx	1	0
V\$COUPTF_Q6	COUPTF	0	2	MA0009.1	T	1	1
V\$DMRT1_01	DMRT1	0	2	MA0442.1	SOX10	1	1
V\$HIC1_02	HIC1 hypoxia-inducible	0	2	V\$HBP1_Q2	hbp1	1	1
V\$HIF1_Q5	factor 1	0	2	V\$HES1_Q2	HES1	1	1
V\$PBX_Q3	Pbx	0	2	V\$PNR_01	PNR RAR-related orphan receptor alpha2	1	1
V\$SIX2_01	Six-2	0	2	V\$RORA2_01	ZNF333	1	1
V\$TBX15_02	T-box 15	0	2	V\$ZNF333_01	ZNF333	1	1
V\$ZFX_01	Zfx aryl hydrocarbon receptor:Arnt	0	2	V\$COUPTF_Q6	COUPTF	1	2
V\$AHRARNT_01	heterodimers cut-like homeodomain protein	0	3	V\$GLI3_Q5_01	GLI3	1	2
V\$CDPCR3_01	DMRT3	0	3	MA0033.1	FOXL1	1	3
V\$DMRT3_01	DMRT3	0	3	V\$FOXM1_01	FOXM1	1	4
V\$GATA_C	GATA binding site	0	3	MA0112.2	ESR1 aryl hydrocarbon / dioxin receptor	0	1
V\$MTF1_Q4	MTF-1	0	3	V\$AHR_Q5	aryl hydrocarbon receptor:Arnt heterodimers	0	1
MA0042.1	FOXI1	0	4	V\$AHRARNT_01	heterodimers	0	1
MA0088.1	znf143	0	4	V\$FXR_IR1_Q6	FXR inverted repeat 1	0	1
MA0132.1	Pdx1	0	4	V\$P63_01	p63	0	1
MA0163.1	PLAG1	0	4	V\$RORA_Q4	RORalpha 58 KDA repressor protein	0	1
V\$HES1_Q2	HES1	0	4	V\$RPF58_01	RXR:LXR-beta	0	1
V\$USF2_Q6	USF2	0	4	V\$RRLXRB_01	spermatogenic Zip	0	1
V\$TFE_Q6	TFE	0	5	V\$SPZ1_01	spermatogenic Zip	0	1
MA0078.1	Sox17 plays a role in renal branching	0	6	V\$TEF1_Q6	TEF-1 zinc finger protein expressed in	0	1
V\$GZF1_01	morphogenesis	0	6	V\$ZEC_01	zinc finger protein expressed in	0	1
MA0103.1	ZEB1	0	7				

V\$FOXM1_01	FOXM1	0	7	V\$ZID_01	embryonal cells and certain adult organs zinc finger with interaction domain	0	1
V\$GATA6_01	GATA-6	0	7	MA0111.1	Spz1	0	2
V\$SREBP1_Q5	SREBP1	0	7	MA0119.1	TLX1::NFIC	0	2
V\$ZIC3_01	zinc finger protein of the cerebellum 3	0	7	MA0160.1	NR4A2	0	2
MA0027.1	En1	0	8	MA0258.1	ESR2	0	2
V\$AHR_Q5	aryl hydrocarbon / dioxin receptor cut-like homeodomain protein	0	8	V\$ATF4_Q2	activating transcription factor 4 cut-like homeodomain protein	0	2
V\$CDPCR1_01		0	8	V\$CDPCR3_01	cut-like homeodomain protein	0	2
V\$DEC_Q1	DEC	0	8	V\$CDPCR3HD_01	selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2] plays a role in renal branching morphogenesis	0	2
V\$TBX5_01	TBX5	0	8	V\$CTF1_01		0	2
V\$ZIC1_01	zinc finger protein of the cerebellum 1	0	8	V\$GZF1_01		0	2
V\$CIZ_01	CIZ (Cas-associated zinc finger protein)	0	10	V\$ISL1_Q6	ISL1	0	2
V\$GCM_Q2	GCM	0	10	V\$PBX_Q3	Pbx	0	2
V\$GLI2_01	GLI2	0	10	V\$RXRG_01	RXRG dimer	0	2
V\$MEF2C_01	MEF-2C	0	10	V\$TBX5_01	TBX5	0	2
V\$SPZ1_01	spermatogenic Zip	0	10	V\$USF2_Q6	USF2	0	2
V\$SREBP_Q3	SREBP	0	10	V\$ZIC3_01	zinc finger protein of the cerebellum 3	0	2
V\$CHOP_01	heterodimers of CHOP and C/EBPalpha	0	11	MA0146.1	Zfx	0	3
V\$GLI1_01	GLI1	0	11	MA0161.1	NFIC	0	3
V\$CDPCR3HD_01	cut-like homeodomain protein	0	12	V\$AHRHIF_Q6	AhR, Arnt, HIF-1	0	3
V\$GLI_Q2	GLI	0	12	V\$AP2REP_01	AP-2 repressor	0	3
MA0111.1	Spz1	0	13	V\$ING4_01	ING4	0	3
MA0124.1	NKX3-1	0	13	V\$PLAG1_01	PLAG1 binding site	0	3
V\$TBR2_01	TBR2	0	14	MA0088.1	znf143	0	4
V\$TERALPHA_Q6	TERALPHA	0	14	V\$CHOP_01	heterodimers of CHOP and C/EBPalpha	0	4
V\$ZIC2_01	zinc finger protein of the cerebellum 2	0	14	MA0130.1	ZNF354C	0	5
MA0122.1	Nkx3-2	0	15	V\$DEC_Q1	DEC	0	5
MA0146.1	Zfx	0	16	V\$GLI1_01	GLI1	0	5
V\$PITX3_Q2	PITX3	0	19	V\$GLI2_01	GLI2	0	5

MA0032.1	FOXC1	0	21
MA0033.1	FOXL1	0	21
V\$AHRHIF_Q6	AhR, Arnt, HIF-1	0	21
V\$IK2_01	Ikaros 2	0	21
V\$ING4_01	ING4	0	21
V\$YY1_01	Yin and Yang 1	0	21
V\$ZNF333_01	ZNF333	0	21
MA0019.1	Ddit3::Cebpa	0	22
V\$AP3_Q6	AP-3	0	22
V\$ARP1_01	apolipoprotein AI regulatory protein 1	0	22
V\$DELTAEF1_01	deltaEF1	0	22
V\$LUN1_01	LUN-1	0	22
MA0109.1	Hltf	0	23
V\$BDP1_01	BDP1	0	23
V\$ERALPHA_01	2 ERE half-sites with a 3bp spacer within	0	23
V\$GTF2IRD1_01	GTF2IRD1-isoform2	0	23
V\$RUSH1A_02	RUSH-1alpha	0	23
V\$YY2	YY2	0	23

V\$OSF2_Q6	Osf2	0	5
V\$RORBETA_Q2	RORBETA	0	5
V\$TBR2_01	TBR2	0	5
V\$AML1_Q4	AML1	0	6
V\$GLI_Q2	GLI	0	6
V\$IK2_01	Ikaros 2	0	6
V\$ZIC1_01	zinc finger protein of the cerebellum 1	0	6
MA0078.1	Sox17	0	7
V\$GCM_Q2	GCM	0	8
V\$SREBP_Q3	SREBP	0	8
V\$DBP_Q6	DBP	0	9
V\$SREBP1_Q6	SREBP-1	0	9
V\$AP3_Q6	AP-3	0	10
V\$MEF2C_01	MEF-2C	0	10
V\$ZIC2_01	zinc finger protein of the cerebellum 2	0	11
V\$DELTAEF1_01	deltaEF1	0	12
V\$IK_Q5	Ikaros	0	12
V\$TERALPHA_Q6	TERALPHA	0	16
MA0109.1	Hltf	0	17
MA0122.1	Nkx3-2	0	17
V\$RUSH1A_02	RUSH-1alpha	0	17
MA0089.1	NFE2L1::MafG	0	18
V\$LYF1_01	LyF-1	0	18
MA0019.1	Ddit3::Cebpa	0	20
V\$BDP1_01	BDP1	0	20
V\$ERALPHA_01	2 ERE half-sites with a 3bp spacer within	0	20
V\$LUN1_01	LUN-1	0	20
MA0032.1	FOXC1	0	21
V\$ARP1_01	apolipoprotein AI regulatory protein 1	0	21
V\$TFE_Q6	TFE	0	21
V\$GTF2IRD1_01	GTF2IRD1-isoform2	0	23
V\$RPC155_01	RPC155	0	23
V\$YY2	YY2	0	23