

**Supplementary Table 5.** Clover results indicate the number of chromosomes with transcription factor binding motifs statistically over- or under-represented in HTE DHS within intergenic sequence (more than 2kb outside of any gene). Analysis was divided into three groups (all DHS, HTE-selective DHS, and ubiquitous DHS). Motifs with more than one entry in the databases utilized were edited to retain only the first occurrence of the motif.

All DHS x Intergenic				TE-selective DHS x Intergenic				Ubiquitous DHS x Intergenic			
ID	Name	p < 0.01	p > 0.99	ID	Name	p < 0.01	p > 0.99	ID	Name	p < 0.01	p > 0.99
MA0002.2	RUNX1	23	0	MA0080.2	SPI1	23	0	MA0055.1	Myf	23	0
MA0003.1	TFAP2A	23	0	MA0089.1	NFE2L1::MafG	23	0	MA0068.1	Pax4	23	0
MA0039.2	Klf4	23	0	MA0098.1	ETS1	23	0	MA0080.2	SPI1	23	0
MA0055.1	Myf	23	0	MA0099.2	AP1	23	0	MA0098.1	ETS1	23	0
MA0056.1	MZF1_1-4	23	0	MA0136.1	ELF5	23	0	MA0139.1	CTCF	23	0
MA0079.2	SP1	23	0	MA0145.1	Tcfcp2l1	23	0	V\$ALX3_01	ALX-3	23	0
MA0080.2	SPI1	23	0	MA0150.1	NFE2L2	23	0	V\$ALX4_02	Alx-4	23	0
MA0081.1	SPIB	23	0	MA0156.1	FEV	23	0	V\$AMEF2_Q6	myocyte enhancer factor	23	0
MA0089.1	NFE2L1::MafG	23	0	V\$AP1FJ_Q2	activator protein 1	23	0	V\$AP1_01	AP-1	23	0
MA0090.1	TEAD1	23	0	V\$AP4_Q5	activator protein 4	23	0	V\$AP2_Q6_01	AP-2	23	0
MA0098.1	ETS1	23	0	V\$AR_Q6	half-site matrix	23	0	V\$ARX_01	Arx	23	0
MA0099.2	AP1	23	0	V\$BACH1_01	BTB and CNC homolog 1	23	0	V\$BARHL1_01	Barhl-1	23	0
MA0136.1	ELF5	23	0	V\$BACH2_01	BTB and CNC homolog 2	23	0	V\$BARHL2_01	Barhl2	23	0
MA0139.1	CTCF	23	0	V\$CMAF_Q2	C-MAF	23	0	V\$BARX1_01	Barx1	23	0
MA0144.1	Stat3	23	0	V\$E12_Q6	E12	23	0	V\$BARX2_01	Barx-2	23	0
MA0145.1	Tcfcp2l1	23	0	V\$E2A_Q2	E2A	23	0	V\$BCL6_01	BCL6	23	0
MA0148.1	FOXA1	23	0	V\$ELF1_Q5	ELF1	23	0	V\$BEN_01	BEN	23	0
MA0150.1	NFE2L2	23	0	V\$ETS2_Q6	ETS2	23	0	V\$BRN3C_01	Brn-3c	23	0
MA0154.1	EBF1	23	0	V\$ETS_Q4	Ets	23	0	V\$BRN4_01	Brn-4	23	0
MA0156.1	FEV	23	0	V\$FRA1_Q5	FRA1	23	0	V\$BSX_01	Bsx	23	0

MA0161.1	NFIC	23	0	V\$GABPALPHA_Q4	GABP-alpha	23	0	V\$CART1_02	CART1	23	0
V\$AP1FJ_Q2	activator protein 1	23	0	V\$HEB_Q6	HEB	23	0	V\$CDP_03	CDP	23	0
V\$AP2_Q6_01	AP-2	23	0	V\$LBP1_Q6	LBP-1	23	0	V\$CDX1_01	Cdx-1	23	0
V\$AP2ALPHA_01	AP-2alpha	23	0	V\$MAF_Q6_01	MAF	23	0	V\$CDX2_01	Cdx-2	23	0
V\$AP2GAMMA_01	AP-2gamma	23	0	V\$MAFB_01	MAFB	23	0	V\$CETS1P54_02	c-Ets-1(p54)	23	0
V\$AP4_01	activator protein 4	23	0	V\$MATH1_Q2	E47:MATH1	23	0	V\$DBX1_01	Dbx-1	23	0
V\$AR_Q6	half-site matrix	23	0	V\$MYOD_Q6	myoblast determining factor	23	0	V\$DBX2_01	Dbx-2	23	0
V\$BACH1_01	BTB and CNC homolog 1	23	0	V\$MYOGENIN_Q6	myogenin	23	0	V\$DLX1_01	Dlx-1	23	0
V\$BACH2_01	BTB and CNC homolog 2	23	0	V\$NEUROD_01	Neuro D	23	0	V\$DLX3_01	dlx3	23	0
V\$BLIMP1_Q6	BLIMP1	23	0	V\$NFE2_01	NF-E2 p45	23	0	V\$DLX7_01	Dlx7	23	0
V\$CETS1P54_01	c-Ets-1(p54)	23	0	V\$NRF2_Q4	heterodimer containing Nrf2	23	0	V\$E12_Q6	E12	23	0
V\$CKROX_Q2	CKROX	23	0	V\$P53_02	tumor suppressor p53	23	0	V\$E2F1_01	E2F1	23	0
V\$CMF2_02	C-MAF	23	0	V\$P63_01	p63	23	0	V\$E2F6_01	E2F6	23	0
V\$CP2_01	CP2	23	0	V\$PEA3_Q6	PEA3	23	0	V\$ELF1_Q5	ELF1	23	0
V\$E12_Q6	E12	23	0	V\$PU1_Q6	PU.1	23	0	V\$EN1_02	En-1	23	0
V\$E2A_Q6	E2A	23	0	V\$PUR1_Q4	PUR1	23	0	V\$EN2_01	En-2	23	0
V\$E2F1_01	E2F1	23	0	V\$STAT6_02	signal transducer and activator of transcription 6	23	0	V\$ESX1_01	Esx1	23	0
V\$E2F6_01	E2F6	23	0	V\$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	23	0	V\$ETS2_Q6	ETS2	23	0
V\$E47_01	E47	23	0	V\$TR4_01	TR4	23	0	V\$ETS_Q4	Ets	23	0
V\$EBF_Q6	EBF	23	0	MA0055.1	Myf	22	0	V\$EVI1_04	ectopic viral integration site 1 encoded factor	23	0
V\$ELF1_Q5	ELF1	23	0	MA0103.1	ZEB1	22	0	V\$FPM315_01	Zinc finger protein FPM315 with KRAB	23	0

									and SCAN domains		
V\$ER_Q6_02	half-site matrix, half-ERE	23	0	MA0106.1	TP53	22	0	V\$GABPALPHA_Q4	GABP-alpha	23	0
V\$ESE1_Q3	ESE1	23	0	V\$AREB6_01	AREB6 (Atp1a1 regulatory element binding factor 6)	22	0	V\$HB24_01	HB24	23	0
V\$ETS2_B	c-Ets-2 binding sites	23	0	V\$EBOX_Q6_01	Ebox	22	0	V\$HDX_01	Hdx	23	0
V\$ETS_Q4	Ets	23	0	V\$FLI1_Q6	FLI1	22	0	V\$HEB_Q6	HEB	23	0
V\$FLI1_Q6	FLI1	23	0	V\$LMAF_Q2	LMAF	22	0	V\$HMBBOX1_01	Hmbox1	23	0
V\$FPM315_01	Zinc finger protein FPM315 with KRAB and SCAN domains	23	0	V\$LMO2COM_01	complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	22	0	V\$HMGY_Q3	HMGY	23	0
V\$FRA1_Q5	FRA1	23	0	V\$MAFA_Q4_01	MAFA	22	0	V\$HMX1_02	HMX1	23	0
V\$GABPALPH A_Q4	GABP-alpha	23	0	V\$NERF_Q2	new ets-related factor 1a	22	0	V\$HMX3_02	Nkx5-1	23	0
V\$GR_Q6_01	half-site matrix	23	0	V\$SMAD3_Q6	SMAD3	22	0	V\$HNF1_Q6	HNF1	23	0
V\$HEB_Q6	HEB	23	0	V\$T3R_Q6	half-site matrix	22	0	V\$HNF1B_01	HNF-1beta	23	0
V\$IRF_Q6	IRF	23	0	V\$TAL1_Q6	TAL1	22	0	V\$HOMEZ_01	Homez	23	0
V\$KAISO_01	KAISO	23	0	V\$TEL2_Q6	Tel-2	22	0	V\$HOX13_02	HOXA5	23	0
V\$LBP1_Q6	LBP-1	23	0	MA0081.1	SPIB	21	0	V\$HOXA10_01	HOXA10	23	0
V\$LMAF_Q2	LMAF	23	0	V\$AP2GAMMA_0 1	AP-2gamma	21	0	V\$HOXA13_03	HOXA13	23	0
V\$LTF_Q6	LTF	23	0	V\$ESE1_Q3	ESE1	21	0	V\$HOXA1_01	HOXA1	23	0
V\$MAFA_Q4_0 1	MAFA	23	0	V\$NF1_Q6	nuclear factor 1	21	0	V\$HOXA2_01	HoxA2	23	0
V\$MAFB_01	MAFB	23	0	V\$STAT3_02	signal transducer and activator of transcription 3	21	0	V\$HOXA4_01	HOXA4	23	0
V\$MATH1_Q2	E47:MATH1	23	0	MA0003.1	TFAP2A	20	0	V\$HOXA6_01	HOXA6	23	0
V\$MAZ_Q6	MAZ	23	0	V\$AP2ALPHA_01	AP-2alpha	20	0	V\$HOXA7_02	HOXA7	23	0
V\$MEIS2_02	MEIS2	23	0	V\$CETS1P54_01	c-Ets-1(p54)	20	0	V\$HOXA9_01	hoxa9	23	0

V\$MYOD_01	myoblast determination gene product	23	0	V\$CP2_01	CP2	20	0	V\$HOXB13_01	HOXB13	23	0
V\$MYOGENIN_Q6	myogenin	23	0	V\$DELTAEF1_01	deltaEF1	20	0	V\$HOXB4_01	HOXB4	23	0
V\$MZF1_Q5	MZF1	23	0	V\$E47_01	E47	20	0	V\$HOXB5_01	HoxB5	23	0
V\$NERF_Q2	new ets-related factor 1a	23	0	V\$FPM315_01	Zinc finger protein FPM315 with KRAB and SCAN domains	20	0	V\$HOXB6_01	HOXB6	23	0
V\$NEUROD_01	Neuro D	23	0	V\$GR_Q6_01	half-site matrix	20	0	V\$HOXB7_01	HOXB7	23	0
V\$NF1_Q6	nuclear factor 1	23	0	V\$MEIS2_02	MEIS2	20	0	V\$HOXB8_01	HOXB8	23	0
V\$NFAT1_Q6	NFAT1	23	0	V\$SMAD4_Q6	SMAD4	20	0	V\$HOXB9_01	HOXB9	23	0
V\$NFAT2_Q5	NF-AT2	23	0	V\$TCF4_Q3	Tcf-4 dimer	20	0	V\$HOXC13_01	HOXC13	23	0
V\$NFE2_01	NF-E2 p45	23	0	MA0002.2	RUNX1	19	0	V\$HOXC4_01	HOXC4	23	0
V\$NRF2_Q4	heterodimer containing Nrf2	23	0	MA0039.2	Klf4	19	0	V\$HOXC5_01	HOXC5	23	0
V\$PAX4_Q3	Pax-4 binding sites	23	0	MA0067.1	Pax2	19	0	V\$HOXC6_01	HOXC6	23	0
V\$PEA3_Q6	PEA3	23	0	MA0117.1	Mafk	19	0	V\$HOXC8_01	HOXC-8	23	0
V\$PU1_Q4	PU.1	23	0	MA0148.1	FOXA1	19	0	V\$HOXC9_01	HOXC9	23	0
V\$SMAD3_Q6	SMAD3	23	0	MA0161.1	NFIC	19	0	V\$HOXD10_01	HOXD10	23	0
V\$SMAD4_Q6	SMAD4	23	0	V\$HNF4_Q6_Q3	half-site 2	19	0	V\$HOXD13_01	HOXD13	23	0
V\$SOX9_Q4	SOX9	23	0	V\$LTF_Q6	LTF	19	0	V\$HOXD1_01	HOXD1	23	0
V\$SP4_Q5	SP4	23	0	V\$MEIS1_01	Meis-1 (myeloid ecotropic viral integration site 1)	19	0	V\$HOXD3_01	HOXD3	23	0
V\$STAT1_Q3	signal transducer and activator of transcription 1	23	0	V\$TCF11MAFG_Q1	TCF11:MafG heterodimers	19	0	V\$HOXD8_01	HOXD8	23	0
V\$STAT4_Q1	signal transducer and activator of transcription 4	23	0	V\$USF_Q6_Q1	USF	19	0	V\$IPF1_Q6	ipf1	23	0
V\$T3R_Q6	half-site matrix	23	0	MA0144.1	Stat3	18	0	V\$IRF3_Q3	IRF3	23	0
V\$TAL1_Q1	Tal-1 (Scf)	23	0	V\$USF2_Q6	USF2	18	0	V\$ISL2_Q1	Isl2	23	0

V\$TEF_01	TEF b.s.	23	0	MA0092.1	Hand1::Tcfe2a	17	0	V\$K2B_01	K-2b	23	0
V\$TEL2_Q6	Tel-2	23	0	F\$AMT1_Q2	AMT1	17	0	V\$LBP1_Q6	LBP-1	23	0
V\$TR4_01	TR4	23	0	MA0090.1	TEAD1	16	0	V\$LBX2_01	Lbx2	23	0
V\$USF_Q6_01	USF	23	0	V\$HNF3A_01	FOXA1	16	0	V\$LH2_01	LH-2	23	0
V\$WT1_Q6	WT1	23	0	V\$MAZ_Q6	MAZ	16	0	V\$LHX3_02	Lhx3	23	0
V\$ZBED6_01	ZBED6	23	0	V\$SOX9_Q4	SOX9	16	0	V\$LHX5_01	Lhx5	23	0
MA0047.2	Foxa2	22	0	V\$TEF1_Q6	TEF-1	16	0	V\$LHX61_01	lhx6.1	23	0
MA0048.1	NHLH1	22	0	V\$TEF_01	TEF b.s.	16	0	V\$LHX9_01	Lhx9	23	0
MA0092.1	Hand1::Tcfe2a	22	0	V\$TGIF_01	TGIF (5'TG3' interacting factor)	16	0	V\$LIM1_01	Lim-1	23	0
MA0138.2	REST	22	0	MA0047.2	Foxa2	15	0	V\$LMX1_01	Lmx-1	23	0
V\$AREB6_04	AREB6 (Atp1a1 regulatory element binding factor 6)	22	0	V\$AP2REP_01	AP-2 repressor	15	0	V\$LMX1B_01	lmx1b	23	0
V\$BEN_01	BEN	22	0	V\$CACBINDINGP ROTEIN_Q6	CAC-binding protein	15	0	V\$MATH1_Q2	E47:MATH1	23	0
V\$CACCCBIND INGFACTOR_Q 6	CACCC-binding factor	22	0	V\$CEBPB_01	CCAAT/enhancer binding protein beta	15	0	V\$MMEF2_Q6	myocyte enhancer factor	23	0
V\$DR1_Q3	Direct repeat 1	22	0	V\$LBP9_01	LBP9 (Tcfcp211)	15	0	V\$MSX1_02	Msx-1	23	0
V\$EAR2_Q2	EAR2	22	0	V\$SMAD_Q6_01	SMAD	15	0	V\$MSX2_01	Msx-2	23	0
V\$EBOX_Q6_0 1	Ebox	22	0	V\$TTF1_Q6	TTF-1 (Nkx2-1)	15	1	V\$MSX3_01	Msx-3	23	0
V\$ELK1_01	Elk-1	22	0	V\$CACCCBINDIN GFACTOR_Q6	CACCC-binding factor	13	0	V\$NANOG_02	Nanog	23	0
V\$HNF1_Q6_0 1	HNF1	22	0	V\$CEBP_Q2_01	C/EBP	13	0	V\$NCX_02	Ncx	23	0
V\$HNF3_Q6_0 1	HNF3	22	0	V\$SP1_Q4_01	Sp1	13	0	V\$NEUROD_02	NeuroD	23	0
V\$HNF4_Q6_0 3	half-site 2	22	0	V\$TBX5_02	TBX5	13	0	V\$NFAT1_Q6	NFAT1	23	0
V\$IRF3_Q3	IRF3	22	0	V\$TFII_Q6	TFII-I	13	0	V\$NFE2_01	NF-E2 p45	23	0
V\$LFA1_Q6	LF-A1	22	0	MA0154.1	EBF1	12	0	V\$NKX12_01	Nkx1-2	23	0

V\$LMO2COM_01	complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	22	0	V\$CKROX_Q2	CKROX	12	0	V\$NKX22_02	NKX22	23	0
V\$MAF_Q6_01	MAF	22	0	V\$EBF_Q6	EBF	12	0	V\$NKX52_01	Nkx5-2	23	0
V\$MEIS1_01	Meis-1 (myeloid ecotropic viral integration site 1)	22	0	V\$GKLF_02	GKLF (KLF4)	12	0	V\$NKX61_02	NKX6.1	23	0
V\$NFAT_Q4_01	NF-AT	22	0	V\$KAISO_01	KAISO	12	0	V\$NKX62_Q2	NK related homeobox factor 6-2	23	0
V\$NRSF_01	neuron-restrictive silencer factor	22	0	V\$PAX4_03	Pax-4 binding sites	12	0	V\$NKX63_01	Nkx6-3	23	0
V\$P53_02	tumor suppressor p53	22	0	V\$PPARG_Q6	half-site	12	0	V\$OBOX5_01	Obox5	23	0
V\$PPARG_Q6	half-site	22	0	MA0048.1	NHLH1	11	0	V\$OCT1_08	1-Oct	23	0
V\$STAT5A_04	signal transducer and activator of transcription 5a	22	0	V\$COREBINDING_FACTOR_Q6	core-binding factor	11	0	V\$OCTAMER_01	Octamer	23	0
V\$STAT6_01	signal transducer and activator of transcription 6	22	0	V\$ER_Q6_02	half-site matrix, half-ERE	11	0	V\$OTP_01	OTP	23	0
V\$TFII_Q6	TFII-I	22	0	V\$SREBP2_Q6	SREBP2	11	0	V\$OTX1_01	Otx1	23	0
MA0117.1	Mafb	21	0	V\$TFE_Q6	TFE	11	0	V\$OTX2_01	Otx2	23	0
F\$AMT1_Q2	AMT1	21	0	V\$ATF4_Q2	activating transcription factor 4	10	0	V\$OTX3_01	Otx3	23	0
V\$BRN4_01	Brn-4	21	0	V\$CACD_01	CACD	10	0	V\$PAX6_02	pax6	23	0
V\$CACD_01	CACD	21	0	V\$EHF_01	EHF	10	0	V\$PAX7_01	Pax-7	23	0
V\$FOXO4_01	fork head box O4	21	0	V\$MZF1_Q5	MZF1	10	0	V\$PEA3_Q6	PEA3	23	0
V\$HNF3A_01	FOXA1	21	0	V\$PKNOX2_01	PKNOX2	10	0	V\$PIT1_01	Pit-1	23	0
V\$HNF3B_01	Hepatocyte Nuclear Factor 3beta	21	0	V\$ZBED6_01	ZBED6	10	0	V\$PITX1_01	Pitx1	23	0
V\$LHX3_02	Lhx3	21	0	MA0137.2	STAT1	9	0	V\$PITX2_01	PITX2	23	0
V\$LMX1B_01	lmx1b	21	0	V\$MRG2_01	MRG2	9	0	V\$PMX2A_01	PMX2A	23	0
V\$NANOG_02	Nanog	21	0	V\$PREP1_01	PREP1	9	0	V\$PMX2B_01	PMX2B	23	0

V\$NCX_02	Ncx	21	0	V\$RORBETA_Q2	RORBETA	9	0	V\$PROP1_02	Prop-1	23	0
V\$NFAT3_Q3	NFAT3	21	0	V\$AML_Q6	AML	8	0	V\$PSX1_01	PSX1	23	0
V\$P63_01	p63	21	0	V\$NKX25_Q5	Nkx2-5	8	0	V\$PU1_Q6	PU.1	23	0
V\$PIT1_01	Pit-1	21	0	V\$TITF1_Q3	TTF-1, TITF1 (thyroid transcription factor 1)	8	0	V\$RHOX11_01	Rhox11	23	0
V\$PKNOX2_01	PKNOX2	21	0	MA0060.1	NFYA	7	0	V\$S8_02	S8	23	0
V\$PTF1BETA_Q6	PTF1-beta	21	0	MA0119.1	TLX1::NFIC	7	0	V\$SHOX2_01	Shox2	23	0
V\$TGIF_01	TGIF (5'TG3' interacting factor)	21	0	MA0442.1	SOX10	7	0	V\$STAT1_03	signal transducer and activator of transcription 1	23	0
V\$TST1_02	6-Oct	21	0	V\$ALPHACP1_01	alpha-CP1	7	0	V\$STAT3_02	signal transducer and activator of transcription 3	23	0
V\$UF1H3BETA_Q6	UF1H3BETA	21	0	V\$BLIMP1_Q6	BLIMP1	7	0	V\$STAT5A_04	signal transducer and activator of transcription 5a	23	0
V\$ZFP281_01	Zfp281	21	0	V\$CREB_Q3	CREB	7	0	V\$STAT6_01	signal transducer and activator of transcription 6	23	0
V\$AP2REP_01	AP-2 repressor	20	0	V\$CTF1_01	selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2]	7	0	V\$TGIF_02	TGIF1	23	0
V\$CEBPB_01	CCAAT/enhancer binding protein beta	20	0	V\$ELK1_01	Elk-1	7	0	V\$TR4_01	TR4	23	0
V\$DBX1_01	Dbx-1	20	0	V\$HNF3ALPHA_Q6	HNF3alpha	7	0	V\$TST1_02	6-Oct	23	0
V\$FOXO1_01	fork head box O1	20	0	V\$MYC_Q2	Myc	7	0	V\$UNCX4.1_01	Uncx-4.1	23	0
V\$GKLF_02	GKLF (KLF4)	20	0	V\$NFY_01	nuclear factor Y (Y-box binding factor)	7	0	V\$VAX1_01	Vax-1	23	0
V\$HOXD8_01	HOXD8	20	0	V\$SMAD1_01	SMAD1	7	0	V\$VSX1_01	Vsx1	23	0
V\$LHX5_01	Lhx5	20	0	V\$STAT5A_04	signal transducer and activator of transcription 5a	7	0	MA0003.1	TFAP2A	22	0
V\$LIM1_01	Lim-1	20	0	V\$TGIF2_01	TGIF2	7	0	MA0056.1	MZF1_1-4	22	0

V\$LMX1_01	Lmx-1	20	0	MA0093.1	USF1	6	0	MA0079.2	SP1	22	0
V\$NFKB_Q6_01	NF-kappaB	20	0	MA0164.1	Nr2e3	6	0	MA0081.1	SPIB	22	0
V\$STAT_Q6	STAT	20	0	V\$HNF3_Q6_01	HNF3	6	0	MA0151.1	ARID3A	22	0
V\$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	20	0	V\$NFAT2_Q5	NF-AT2	6	0	MA0156.1	FEV	22	0
V\$TCF11MAFG_01	TCF11:MafG heterodimers	20	0	V\$P300_01	p300	6	0	V\$AP2ALPHA_01	AP-2alpha	22	0
MA0065.2	PPARG::RXRA	19	0	V\$CEBPE_01	cebpe	5	0	V\$AP2GAMMA_01	AP-2gamma	22	0
MA0067.1	Pax2	19	0	V\$CTCF_02	CCCTC-binding factor	5	0	V\$AP4_01	activator protein 4	22	0
V\$ALPHACP1_01	alpha-CP1	19	0	V\$E2F1_01	E2F1	5	0	V\$AR_Q6	half-site matrix	22	0
V\$COREBIND1NGFACTOR_Q6	core-binding factor	19	0	V\$E2F6_01	E2F6	5	0	V\$BACH2_01	BTB and CNC homolog 2	22	0
V\$HMX3_02	Nkx5-1	19	0	V\$PR_Q2	half-site matrix	5	0	V\$CHCH_01	Churchill	22	0
V\$ICSBP_Q6	ICSBP	19	0	V\$SREBP1_Q5	SREBP1	5	0	V\$CKROX_Q2	CKROX	22	0
V\$NKX52_01	Nkx5-2	19	0	V\$NKX32_01	Nkx3-2	5	1	V\$DLX2_01	Dlx-2	22	0
V\$NKX63_01	Nkx6-3	19	0	MA0031.1	FOXD1	4	0	V\$DOBOX4_01	Dobox4	22	0
V\$OCT1_08	1-Oct	19	0	MA0056.1	MZF1_1-4	4	0	V\$DOBOX5_01	Dobox5	22	0
V\$P50RELAP65_Q5_01	P50:RELA-P65	19	0	MA0112.2	ESR1	4	0	V\$E47_01	E47	22	0
V\$PAX6_02	pax6	19	0	V\$CEBPA_01	CCAAT/enhancer binding protein alpha	4	0	V\$EGR_Q6	Egr	22	0
V\$PREP1_01	PREP1	19	0	V\$DR1_Q3	Direct repeat 1	4	0	V\$ELK1_01	Elk-1	22	0
V\$TEF1_Q6	TEF-1	19	0	V\$EAR2_Q2	EAR2	4	0	V\$EMX2_01	EMX2	22	0
MA0103.1	ZEB1	19	1	V\$GADP_01	Growth-associated binding protein	4	0	V\$ESE1_Q3	ESE1	22	0
V\$SREBP2_Q6	SREBP2	19	1	V\$NANOG_02	Nanog	4	0	V\$EVX1_01	Evx-1	22	0
V\$TCF4_03	Tcf-4 dimer	19	1	V\$TFEB_01	TFEB	4	0	V\$FAC1_01	fetal Alz-50 clone 1	22	0
MA0119.1	TLX1::NFIC	18	0	MA0004.1	Arnt	3	0	V\$FLI1_Q6	FLI1	22	0
V\$BRN3C_01	Brn-3c	18	0	MA0157.1	FOXO3	3	0	V\$FRA1_Q5	FRA1	22	0



V\$CEBP_Q2_01	C/EBP	18	0	MA0258.1	ESR2	3	0	V\$GBX1_01	Gbx1	22	0
V\$CTF1_01	selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2]	18	0	V\$AP2_Q6_01	AP-2	3	0	V\$GBX2_01	Gbx2	22	0
V\$DBX2_01	Dbx-2	18	0	V\$ATF3_Q6	activating transcription factor 3	3	0	V\$GSC_01	Gsc	22	0
V\$EHF_01	EHF	18	0	V\$ATF5_01	ATF5 binding site	3	0	V\$GSH2_01	GSH2	22	0
V\$FOXP3_Q4	FOXP3	18	0	V\$CLOCKBMAL_Q6	CLOCK:BMAL	3	0	V\$HOXA11_01	HOXA11	22	0
V\$GADP_01	Growth-associated binding protein	18	0	V\$CMYC_02	c-Myc heterodimer (with a 26-29 kDa factor)	3	0	V\$HOXA3_02	HOXA3	22	0
V\$HDX_01	Hdx	18	0	V\$FOXP3_Q4	FOXP3	3	0	V\$HOXB3_01	HOXB3	22	0
V\$HNF3ALPHA_Q6	HNF3alpha	18	0	V\$NGFIC_01	nerve growth factor-induced protein C	3	0	V\$HOXC10_01	HOXC10	22	0
V\$NKX61_03	NKX6.1	18	0	V\$NRSF_01	neuron-restrictive silencer factor	3	0	V\$HOXC11_01	HOXC11	22	0
V\$NRSE_B	neural-restrictive-silencer-element	18	0	V\$PAX8_B	Pax-8 binding sites	3	0	V\$HOXC12_01	HOXC12	22	0
V\$SMAD_Q6	SMAD	18	0	V\$PAX_Q6	Pax	3	0	V\$HOXD11_01	HOXD11	22	0
V\$SP3_Q3	Sp3	18	0	V\$PEBP_Q6	PEBP	3	0	V\$HOXD12_01	HOXD12	22	0
V\$TGIF2_01	TGIF2	18	0	V\$SP3_Q3	Sp3	3	0	V\$IRF_Q6	IRF	22	0
V\$USF2_Q6	USF2	18	1	V\$SP4_Q5	SP4	3	0	V\$IRX2_01	Irx2	22	0
MA0060.1	NFYA	17	0	V\$SREBP_Q6	SREBP	3	0	V\$IRX3_01	Irx-3	22	0
V\$BARHL2_01	Barhl2	17	0	V\$STAT4_01	signal transducer and activator of transcription 4	3	0	V\$IRX4_01	IRX4	22	0
V\$CEBPA_01	CCAAT/enhancer binding protein alpha	17	0	V\$STAT_01	signal transducers and activators of transcription	3	0	V\$IRX5_01	Irx5	22	0
V\$EV11_04	ectopic viral integration site 1 encoded factor	17	0	V\$ZFP281_01	Zfp281	3	0	V\$IRXB3_01	IRXB3	22	0
V\$GAF_Q6	GAF	17	0	V\$CEBPDELTA_Q6	C/EBPdelta	3	1	V\$LHX4_01	Lhx4	22	0

V\$HOXC6_01	HOXC6	17	0	MA0058.1	MAX	2	0	V\$LMAF_Q2	LMAF	22	0
V\$RBPJK_Q4	RBP-Jkappa	17	0	MA0062.2	GABPA	2	0	V\$MAZ_Q6	MAZ	22	0
V\$SMAD1_01	SMAD1	17	0	V\$AML1_Q4	AML1	2	0	V\$MEF2_Q6_01	MEF-2	22	0
V\$VDR_Q3	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	17	0	V\$BEN_01	BEN	2	0	V\$MOX1_01	Mox1	22	0
V\$MRG2_01	MRG2	17	1	V\$CREBP1_01	cAMP-responsive element binding protein 1	2	0	V\$MYOGENIN_Q6	myogenin	22	0
V\$CACBINDIN GPROTEIN_Q6	CAC-binding protein	17	2	V\$DBP_Q6	DBP	2	0	V\$NFAT2_Q5	NF-AT2	22	0
MA0106.1	TP53	16	0	V\$EGR2_01	Egr-2/Krox-20 early growth response gene product	2	0	V\$NFAT3_Q3	NFAT3	22	0
V\$AMEF2_Q6	myocyte enhancer factor	16	0	V\$EGR3_01	early growth response gene 3 product	2	0	V\$NFAT_Q4_01	NF-AT	22	0
V\$ATF5_01	ATF5 binding site	16	0	V\$FOXJ3_01	foxj3	2	0	V\$NKX23_01	Nkx2-3	22	0
V\$NFY_01	nuclear factor Y (Y-box binding factor)	16	0	V\$FREAC4_01	Fork head RElated ACTivator-4	2	0	V\$NKX29_01	Nkx2-9	22	0
V\$SIX4_01	six4	16	0	V\$GFI1B_01	Gfi1b	2	0	V\$NKX32_02	Nkx3-2	22	0
V\$STAT1STAT1_Q3	STAT1:STAT1	16	0	V\$GLI3_01	GLI3	2	0	V\$NKX3A_02	Nkx3A	22	0
V\$TTF1_Q6	TTF-1 (Nkx2-1)	16	1	V\$HEN1_02	HEN1	2	0	V\$OBOX2_01	Obox2	22	0
MA0068.1	Pax4	15	0	V\$HLF_01	hepatic leukemia factor	2	0	V\$OBOX3_01	Obox3	22	0
MA0107.1	RELA	15	0	V\$KLF15_Q2	KLF15	2	0	V\$OCT2_01	2-Oct	22	0
V\$AML_Q6	AML	15	0	V\$LEF1TCF1_Q4	LEF1, TCF1	2	0	V\$OG2_02	OG-2	22	0
V\$HOXA10_01	HOXA10	15	0	V\$LFA1_Q6	LF-A1	2	0	V\$PARP_Q3	PARP	22	0
V\$HOXD10_01	HOXD10	15	0	V\$MYCMAX_01	c-Myc:Max heterodimer	2	0	V\$PBX1_01	Pbx-1	22	0
V\$LBP9_01	LBP9 (Tcfcp211)	15	0	V\$NFAT1_Q6	NFAT1	2	0	V\$POU2F3_01	POU2F3	22	0
V\$MMEF2_Q6	myocyte enhancer	15	0	V\$OLF1_01	olfactory neuron-	2	0	V\$POU6F1_03	POU6F1	22	0

	factor				specific factor						
V\$MSX3_01	Msx-3	15	0	V\$REX1_03	REX1	2	0	V\$RAX_01	rax	22	0
V\$PARP_Q3	PARP	15	0	V\$SF1_Q6	SF1	2	0	V\$SATB1_Q3	SATB1	22	0
V\$PUR1_Q4	PUR1	15	6	V\$SOX_01	SOX	2	0	V\$SP4_Q5	SP4	22	0
MA0152.1	NFATC2	14	0	V\$TAXCREB_02	Tax/CREB complex	2	0	V\$STAT4_01	signal transducer and activator of transcription 4	22	0
V\$ALX3_01	ALX-3	14	0	V\$TBR2_01	TBR2	2	0	V\$TAL1_01	Tal-1 (Scf)	22	0
V\$ATF3_Q6	activating transcription factor 3	14	0	V\$WT1_Q6	WT1	2	0	V\$TGIF2_01	TGIF2	22	0
V\$ATF4_Q2	activating transcription factor 4	14	0	MA0025.1	NFIL3	1	0	V\$VAX2_01	Vax-2	22	0
V\$BARX1_01	Barx1	14	0	MA0035.2	Gata1	1	0	V\$WT1_Q6	WT1	22	0
V\$BARX2_01	Barx-2	14	0	MA0059.1	MYC::MAX	1	0	MA0084.1	SRY	21	0
V\$FOXO3_01	fork head box O3	14	0	MA0065.2	PPARG::RXRA	1	0	MA0136.1	ELF5	21	0
V\$FOXO3A_Q1	FOXO3A	14	0	MA0074.1	RXRA::VDR	1	0	MA0154.1	EBF1	21	0
V\$GABP_B	GA binding protein	14	0	MA0083.1	SRF	1	0	V\$AP1FJ_Q2	activator protein 1	21	0
V\$HEN1_02	HEN1	14	0	MA0104.2	Mycn	1	0	V\$AREB6_04	AREB6 (Atp1a1 regulatory element binding factor 6)	21	0
V\$KLF15_Q2	KLF15	14	0	MA0113.1	NR3C1	1	0	V\$BACH1_01	BTB and CNC homolog 1	21	0
V\$NFKAPPAB6_5_01	NF-kappaB (p65)	14	0	MA0133.1	BRCA1	1	0	V\$CEBPA_01	CCAAT/enhancer binding protein alpha	21	0
V\$OCTAMER_02	Octamer	14	0	MA0138.2	REST	1	0	V\$DLX5_01	dlx5	21	0
V\$PAX8_B	Pax-8 binding sites	14	0	MA0147.1	Myc	1	0	V\$DRI1_01	DRI1 b.s.	21	0
V\$PEBP_Q6	PEBP	14	0	MA0152.1	NFATC2	1	0	V\$DUXL_01	Duxl	21	0
V\$P300_01	p300	14	1	V\$AML2_01	AML2	1	0	V\$ETF_Q6	ETF	21	0
MA0112.2	ESR1	13	0	V\$ATF6_01	activating transcription factor 6	1	0	V\$FOXO3A_Q1	FOXO3A	21	0

V\$HAND1E47_01	Hand1:E47 heterodimer	13	0	V\$BCL6_02	BCL6	1	0	V\$HNF3_Q6_01	HNF3	21	0
V\$HOXB3_01	HOXB3	13	0	V\$CREBATF_Q6	CREB, ATF	1	0	V\$ICSBP_Q6	ICSBP	21	0
V\$HOXB4_01	HOXB4	13	0	V\$CREBP1CJUN_01	CRE-binding protein 1:c-Jun heterodimer	1	0	V\$ISX_01	isx	21	0
V\$HOXB9_01	HOXB9	13	0	V\$EGR1_01	Egr-1/Krox-24/NGFI-A immediate-early gene product	1	0	V\$LMO2COM_01	complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	21	0
V\$HOXC4_01	HOXC4	13	0	V\$ERG_01	ERG	1	0	V\$LRF_Q2	LRF	21	0
V\$HOXC5_01	HOXC5	13	0	V\$EVI1_02	ectopic viral integration site 1 encoded factor	1	0	V\$MEIS1_02	Meis1	21	0
V\$HOXD3_01	HOXD3	13	0	V\$FOXO4_01	fork head box O4	1	0	V\$MEIS2_01	Meis2	21	0
V\$ISL2_01	Isl2	13	0	V\$FREAC2_01	Fork head RELATED Activator-2	1	0	V\$MRG2_01	MRG2	21	0
V\$ISRE_01	interferon-stimulated response element	13	0	V\$FREAC3_01	Fork head RELATED Activator-3	1	0	V\$MYOD_01	myoblast determination gene product	21	0
V\$OLF1_01	olfactory neuron-specific factor	13	0	V\$FXR_IR1_Q6	FXR inverted repeat 1	1	0	V\$MZF1_Q5	MZF1	21	0
V\$PAX_Q6	Pax	13	0	V\$GABP_B	GA binding protein	1	0	V\$NKX24_01	Nkx2-4	21	0
V\$PROP1_02	Prop-1	13	0	V\$GRE_C	Glucocorticoid response element	1	0	V\$NKX25_03	NKX25	21	0
V\$RORBETA_Q2	RORBETA	13	0	V\$HAND1E47_01	Hand1:E47 heterodimer	1	0	V\$NKX26_01	Nkx2-6	21	0
V\$VSX1_01	Vsx1	13	0	V\$IK3_01	lkaros 3	1	0	V\$NRSF_01	neuron-restrictive silencer factor	21	0
MA0062.2	GABPA	12	0	V\$IPF1_02	A1	1	0	V\$OBOX1_01	Obox1	21	0
MA0084.1	SRY	12	0	V\$ISRE_01	interferon-stimulated response element	1	0	V\$OBOX6_01	Obox6	21	0
MA0093.1	USF1	12	0	V\$LRH1_Q5	LRH1	1	0	V\$SIX4_01	six4	21	0
V\$BARHL1_01	Barhl-1	12	0	V\$MEIS1AHOXA9_01	Meis-1a:HOXA9 heterodimeric binding	1	0	V\$SIX6_01	Six-6	21	0
V\$CEBPE_01	cebpe	12	0	V\$MYB_Q6	c-Myb	1	0	V\$T3R_Q6	half-site matrix	21	0
V\$CREBP1CJU	CRE-binding protein 1:c-Jun	12	0	V\$MYOGNF1_01	myogenin / nuclear factor 1 or related	1	0	V\$BLIMP1_Q6	BLIMP1	20	0

N_01	heterodimer				factors						
V\$GLI3_Q5_01	GLI3	12	0	V\$NFAT_Q4_01	NF-AT	1	0	V\$BRN2_01	POU factor Brn-2	20	0
V\$HOXA4_01	HOXA4	12	0	V\$NFMUE1_Q6	NF-muE1	1	0	V\$CACBINDINGPROTEIN_Q6	CAC-binding protein	20	0
V\$HOXA9_01	hoxa9	12	0	V\$NURR1_Q3	NURR1	1	0	V\$CDX_Q5	Cdx	20	0
V\$HOXB8_01	HOXB8	12	0	V\$P50RELAP65_Q5_01	P50:RELA-P65	1	0	V\$CEBP_Q2	CCAAT/enhancer binding factor	20	0
V\$NKX25_Q5	Nkx2-5	12	0	V\$PTF1BETA_Q6	PTF1-beta	1	0	V\$EAR2_Q2	EAR2	20	0
V\$NKX3A_02	Nkx3A	12	0	V\$RBPJK_Q4	RBP-Jkappa	1	0	V\$EBF_Q6	EBF	20	0
V\$PAX7_01	Pax-7	12	0	V\$RFX3_01	RFX3 dimer	1	0	V\$FOXO4_01	fork head box O4	20	0
V\$PITX2_01	PITX2	12	0	V\$TAL1ALPHAE47_01	Tal-1alpha:E47 heterodimer	1	0	V\$HB9_01	HB9	20	0
V\$PMX2B_01	PMX2B	12	0	V\$UF1H3BETA_Q6	UF1H3BETA	1	0	V\$HNF3B_01	Hepatocyte Nuclear Factor 3beta	20	0
V\$TFEB_01	TFEB	12	0	V\$VBP_01	PAR-type chicken vitellogenin promoter-binding protein	1	0	V\$NERF_Q2	new ets-related factor 1a	20	0
V\$SOX_01	SOX	12	1	V\$VDR_Q3	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	1	0	V\$NKX11_01	Nkx1-1	20	0
MA0101.1	REL	11	0	V\$VDRRXR_01	VDR:RXR	1	0	V\$NKX21_01	Nkx2-1	20	0
V\$BSX_01	Bsx	11	0	V\$ZFP206_01	Zfp206	1	0	V\$NRF2_01	nuclear respiratory factor 2	20	0
V\$CREL_01	c-Rel	11	0	V\$AIRE_02	AIRE	1	1	V\$PAX2_02	paired box factor 2	20	0
V\$ESX1_01	Esx1	11	0	V\$DEC_Q1	DEC	1	1	V\$PKNOX2_01	PKNOX2	20	0
V\$HB24_01	HB24	11	0	V\$PARP_Q3	PARP	1	1	V\$PUR1_Q4	PUR1	20	0
V\$HOXC9_01	HOXC9	11	0	V\$PXRRXR_01	RXR half-site	1	1	V\$SIRT6_01	SIRT6	20	0
V\$HSF_Q6	HSF	11	0	V\$SOX17_01	half-site	1	1	V\$SOX4_01	SOX4	20	0
V\$LHX9_01	Lhx9	11	0	V\$ZID_01	zinc finger with interaction domain	1	1	V\$SP1SP3_Q4	SP1:SP3	20	0
V\$MSX1_02	Msx-1	11	0	V\$BRF1_01	BRF-1	1	8	V\$STAT1STAT1_Q3	STAT1:STAT1	20	0

V\$OTP_01	OTP	11	0	V\$CDPCR1_01	cut-like homeodomain protein	1	10	V\$STAT_Q6	STAT	20	0
MA0050.1	IRF1	10	0	MA0046.1	HNF1A	0	1	V\$TFII_Q6	TFII-I	20	0
MA0061.1	NF-kappaB	10	0	MA0070.1	PBX1	0	1	V\$UF1H3BETA_Q6	UF1H3BETA	20	0
MA0143.1	Sox2	10	0	MA0073.1	RREB1	0	1	MA0138.2	REST	19	0
V\$CDX_Q5	Cdx	10	0	MA0078.1	Sox17	0	1	MA0144.1	Stat3	19	0
V\$DOBOX5_01	Dobox5	10	0	MA0084.1	SRY	0	1	MA0152.1	NFATC2	19	0
V\$GF11_01	growth factor independence 1	10	0	MA0088.1	znf143	0	1	V\$KROX_Q6	KROX	19	0
V\$HFH8_01	HNF-3/Fkh Homolog-8	10	0	MA0130.1	ZNF354C	0	1	V\$PREP1_01	PREP1	19	0
V\$HOXD1_01	HOXD1	10	0	MA0140.1	Tal1::Gata1	0	1	V\$SOX9_Q4	SOX9	19	0
V\$IPF1_06	ipf1	10	0	MA0141.1	Esrrb	0	1	V\$TBP_Q6	TBP	19	0
V\$K2B_01	K-2b	10	0	V\$AFP1_Q6	AFP1	0	1	V\$ZFP281_01	Zfp281	19	0
V\$MYC_Q2	Myc	10	0	V\$ARX_01	Arx	0	1	I\$ANTP_Q6_01	Antp	18	0
V\$NFKAPPAB_01	NF-kappaB	10	0	V\$CART1_01	Cart-1 (cartilage homeoprotein 1)	0	1	V\$E2A_Q6	E2A	18	0
V\$NKX12_01	Nkx1-2	10	0	V\$CDC5_01	cell division control protein 5	0	1	V\$FOXO1_01	fork head box O1	18	0
V\$POU6F1_03	POU6F1	10	0	V\$CEBPGAMMA_Q6	C/EBPgamma	0	1	V\$IRF7_01	interferon regulatory factor 7	18	0
V\$SATB1_Q3	SATB1	10	0	V\$CNOT3_01	CNOT3	0	1	V\$LHX8_01	Lhx8	18	0
V\$TAL1ALPHA_E47_01	Tal-1alpha:E47 heterodimer	10	0	V\$CPHX_01	Cphx	0	1	V\$NRSE_B	neural-restrictive-silencer-element	18	0
V\$UNCX4.1_01	Uncx-4.1	10	0	V\$DBX2_01	Dbx-2	0	1	V\$TATA_C	Retroviral TATA box	18	0
V\$SIRT6_01	SIRT6	10	1	V\$DLX1_01	Dlx-1	0	1	V\$TEL2_Q6	Tel-2	18	0
MA0031.1	FOXD1	9	0	V\$DMRT1_01	DMRT1	0	1	MA0039.2	Klf4	17	0
MA0038.1	Gfi	9	0	V\$DOBOX5_01	Dobox5	0	1	MA0050.1	IRF1	17	0
MA0155.1	INSM1	9	0	V\$DR4_Q2	direct repeat 4	0	1	V\$CEBPGAMMA_Q6	C/EBPgamma	17	0
MA0442.1	SOX10	9	0	V\$E2F_03	E2F	0	1	V\$CPHX_01	Cphx	17	0
V\$CDP_03	CDP	9	0	V\$ERR1_Q2	estrogen-related	0	1	V\$FOXO3_01	fork head box O3	17	0

					receptor alpha						
V\$CDX1_01	Cdx-1	9	0	V\$ETF_Q6	ETF	0	1	V\$FREAC7_01	Fork head RElated ACTivator-7	17	0
V\$CDX2_01	Cdx-2	9	0	V\$EVX2_01	Evx2	0	1	V\$ISRE_01	interferon-stimulated response element	17	0
V\$CREB_Q3	CREB	9	0	V\$FOXJ2_01	fork head box J 2	0	1	V\$LFA1_Q6	LF-A1	17	0
V\$FAC1_01	fetal Alz-50 clone 1	9	0	V\$FOXO1_Q5	FOXO1	0	1	V\$TEF_Q6	TEF	17	0
V\$FOXJ3_01	foxj3	9	0	V\$GCM_Q2	GCM	0	1	V\$USF_Q6_01	USF	17	0
V\$FREAC7_01	Fork head RElated ACTivator-7	9	0	V\$GSC_01	Gsc	0	1	MA0046.1	HNF1A	16	0
V\$HMX1_02	HMX1	9	0	V\$GSH2_01	GSH2	0	1	V\$E2F_Q2	E2F	16	0
V\$HOX13_02	HOXA5	9	0	V\$GZF1_01	plays a role in renal branching morphogenesis	0	1	V\$EVX2_01	Evx2	16	0
V\$HOXA6_01	HOXA6	9	0	V\$HBP1_Q2	hbp1	0	1	V\$GADP_01	Growth-associated binding protein	16	0
V\$HSF1_Q6	HSF1	9	0	V\$HFH1_01	HNF-3/Fkh Homolog 1	0	1	V\$GAF_Q6	GAF	16	0
V\$MEF2_02	myogenic MADS factor MEF-2	9	0	V\$HIC1_03	HIC1	0	1	V\$HSF_Q6	HSF	16	0
V\$NKX23_01	Nkx2-3	9	0	V\$HMX1_02	HMX1	0	1	V\$PTF1BETA_Q6	PTF1-beta	16	0
V\$NURR1_Q3	NURR1	9	0	V\$HNF1_01	hepatic nuclear factor 1	0	1	V\$SMAD1_01	SMAD1	16	0
V\$OTX1_01	Otx1	9	0	V\$HOXD3_01	HOXD3	0	1	V\$ZFP206_01	Zfp206	16	0
V\$PITX1_01	Pitx1	9	0	V\$HSF1_01	heat shock factor 1	0	1	MA0062.2	GABPA	15	0
V\$PPAR_DR1_Q2	PPAR direct repeat 1	9	0	V\$IRF1_01	interferon regulatory factor 1	0	1	V\$ERG_01	ERG	15	0
V\$ZFP206_01	Zfp206	9	0	V\$IRF7_01	interferon regulatory factor 7	0	1	V\$FOXD3_01	fork head box D3	15	0
V\$PXRXR_02	PXR half-site	9	3	V\$IRF_Q6_01	IRF	0	1	V\$HNF3ALPHA_Q6	HNF3alpha	15	0
V\$CART1_03	CART1	8	0	V\$LBX2_01	Lbx2	0	1	V\$NFMUE1_Q6	NF-muE1	15	0
V\$CREBP1_01	cAMP-responsive element binding protein 1	8	0	V\$LEF1_Q2	LEF1	0	1	V\$P53_03	tumor suppressor p53	15	0

V\$EN2_01	En-2	8	0	V\$LHX3_01	LIM homeobox transcription factor 3	0	1	V\$SIX1_01	Six-1	15	0
V\$HFH1_01	HNF-3/Fkh Homolog 1	8	0	V\$LHX4_01	Lhx4	0	1	V\$SOX2_Q6	SOX2	15	0
V\$HOXA7_02	HOXA7	8	0	V\$LHX5_01	Lhx5	0	1	V\$TCF4_01	TCF-4	15	0
V\$HOXB7_01	HOXB7	8	0	V\$LHX61_01	lhx6.1	0	1	V\$CRX_02	Crx	14	0
V\$HOXC8_01	HOXC-8	8	0	V\$LHX8_01	Lhx8	0	1	V\$DMRT7_01	DMRT7	14	0
V\$HOXD13_01	HOXD13	8	0	V\$MMEF2_Q6	myocyte enhancer factor	0	1	V\$FOX_Q2	FOX factors	14	0
V\$HSF2_03	HSF2	8	0	V\$MOVOB_01	MOV0-B	0	1	V\$GATA4_Q3	GATA-4	14	0
V\$KROX_Q6	KROX	8	0	V\$MSX1_02	Msx-1	0	1	V\$GFI1_01	growth factor independence 1	14	0
V\$LBX2_01	Lbx2	8	0	V\$MTF1_Q4	MTF-1	0	1	V\$HFH1_01	HNF-3/Fkh Homolog 1	14	0
V\$LRH1_Q5	LRH1	8	0	V\$NKX22_01	NK2 class homeobox factor 2	0	1	V\$KLF15_Q2	KLF15	14	0
V\$MAZR_01	MAZ related factor	8	0	V\$NKX23_01	Nkx2-3	0	1	V\$MOVOB_01	MOV0-B	14	0
V\$NUR77_Q5	NUR77	8	0	V\$NUR77_Q5	NUR77	0	1	V\$RNF96_01	RNF96	14	0
V\$PBX1_04	Pbx1	8	0	V\$OCT1_B	Octamer binding factor 1	0	1	V\$RSRFC4_Q2	RSRFC4	14	0
V\$PR_Q2	half-site matrix	8	0	V\$OCT2_02	2-Oct	0	1	V\$SMAD3_Q6	SMAD3	14	0
V\$PSX1_01	PSX1	8	0	V\$OCTAMER_01	Octamer	0	1	V\$SP3_Q3	Sp3	14	0
V\$REX1_03	REX1	8	0	V\$PIT1_Q6	Pit-1	0	1	V\$ATF5_01	ATF5 binding site	13	0
V\$LRF_Q2	LRF	8	5	V\$PITX2_01	PITX2	0	1	V\$GABP_B	GA binding protein	13	0
MA0164.1	Nr2e3	7	0	V\$PLZF_02	PLZF	0	1	V\$HELIOSA_02	Helios A	13	0
MA0258.1	ESR2	7	0	V\$POU3F2_01	POU3F2	0	1	V\$MAFA_Q4_01	MAFA	13	0
V\$ARX_01	Arx	7	0	V\$RAX_01	rax	0	1	V\$PITX3_01	Pitx3	13	0
V\$DAX1_01	Dax1	7	0	V\$RNF96_01	RNF96	0	1	V\$PXRRXR_02	PXR half-site	13	0
V\$EGR_Q6	Egr	7	0	V\$RORA1_01	RAR-related orphan receptor alpha1	0	1	V\$SOX_Q6	SOX	13	0
V\$HFH4_01	HFH4 (FOXJ1)	7	0	V\$RXRG_01	RXRG dimer	0	1	MA0101.1	REL	12	0
V\$HOXB5_01	HoxB5	7	0	V\$VAX2_01	Vax-2	0	1	MA0107.1	RELA	12	0



V\$HOXB6_01	HOXB6	7	0	V\$ZF5_01	ZF5	0	1	MA0135.1	Lhx3	12	0
V\$LH2_01	LH-2	7	0	V\$ZFX_01	Zfx	0	1	V\$CREL_01	c-Rel	12	0
V\$MAX_01	Max	7	0	V\$ZNF515_01	Glis binding sites	0	1	V\$FOXJ2_02	fork head box J 2	12	0
V\$MOVOB_01	MOV0-B	7	0	MA0042.1	FOX11	0	2	V\$KID3_01	Kid3	12	0
V\$OBOX5_01	Obox5	7	0	MA0068.1	Pax4	0	2	V\$NFKAPPAB65_01	NF-kappaB (p65)	12	0
V\$OTX2_01	Otx2	7	0	MA0087.1	Sox5	0	2	V\$NFKB_Q6_01	NF-kappaB	12	0
V\$RELBPF52_01	kappaB site	7	0	MA0114.1	HNF4A	0	2	V\$P50RELAP65_Q5_01	P50:RELA-P65	12	0
V\$SHOX2_01	Shox2	7	0	MA0135.1	Lhx3	0	2	V\$SIX2_01	Six-2	12	0
V\$SP1SP3_Q4	SP1:SP3	7	0	MA0160.1	NR4A2	0	2	V\$SIX3_01	Six-3	12	0
V\$STAT5B_01	signal transducer and activator of transcription 5b	7	0	V\$AHR_01	aryl hydrocarbon / dioxin receptor	0	2	V\$TAL1ALPHAE47_01	Tal-1alpha:E47 heterodimer	12	0
V\$VAX1_01	Vax-1	7	0	V\$BARHL1_01	Barhl-1	0	2	V\$ZBED6_01	ZBED6	12	0
V\$TBX5_02	TBX5	7	1	V\$CRX_02	Crx	0	2	MA0041.1	Foxd3	11	0
V\$SREBP1_Q5	SREBP1	7	3	V\$DLX5_01	dlx5	0	2	MA0113.1	NR3C1	11	0
V\$RPC155_01	RPC155	7	10	V\$FOXP1_01	FOXP1	0	2	V\$CDC5_01	cell division control protein 5	11	0
MA0004.1	Arnt	6	0	V\$FREAC7_01	Fork head RELATED Activator-7	0	2	V\$E2F4DP2_01	E2F-4:DP-2 heterodimer	11	0
V\$BCL6_02	BCL6	6	0	V\$GATA2_02	GATA-binding factor 2	0	2	V\$GR_Q6_01	half-site matrix	11	0
V\$CMYC_02	c-Myc heterodimer (with a 26-29 kDa factor)	6	0	V\$GLI_Q2	GLI	0	2	V\$HMEF2_Q6	myocyte enhancer factor	11	0
V\$FOX_Q2	FOX factors	6	0	V\$HNF4ALPHA_Q6	HNF4alpha	0	2	MA0040.1	Foxq1	10	0
V\$FOXJ2_01	fork head box J 2	6	0	V\$HOXB8_01	HOXB8	0	2	MA0060.1	NFYA	10	0
V\$FREAC2_01	Fork head RELATED Activator-2	6	0	V\$HOXC8_01	HOXC-8	0	2	MA0143.1	Sox2	10	0
V\$FREAC3_01	Fork head RELATED Activator-3	6	0	V\$IRX5_01	Irx5	0	2	MA0145.1	Tcfcp2l1	10	0
V\$FREAC4_01	Fork head RELATED Activator-4	6	0	V\$ISL2_01	Isl2	0	2	V\$CEBPB_01	CCAAT/enhancer binding protein beta	10	0

V\$HFH3_01	HFH-3 (HNF3/fork head homolog 3)	6	0	V\$LMX1B_01	lmx1b	0	2	V\$E2F1DP1RB_01	Rb:E2F-1:DP-1 trimeric complex	10	0
V\$HOMEZ_01	Homez	6	0	V\$MIZF_01	MIZF	0	2	V\$FOXP3_01	forkhead box P3	10	0
V\$HOXA2_01	HoxA2	6	0	V\$MSX3_01	Msx-3	0	2	V\$FREAC3_01	Fork head RElated Activator-3	10	0
V\$MYCMAX_01	c-Myc:Max heterodimer	6	0	V\$NCX_02	Ncx	0	2	V\$HNF6_Q6	HNF6	10	0
V\$NKX62_Q2	NK related homeobox factor 6-2	6	0	V\$OTX1_01	Otx1	0	2	V\$MAF_Q6	MAF	10	0
V\$OCT4_01	Sox2-Oct4 joint motif, in silico predicted	6	0	V\$OTX2_01	Otx2	0	2	V\$NFY_01	nuclear factor Y (Y-box binding factor)	10	0
V\$P50P50_Q3	P50:P50	6	0	V\$POU5F1_01	POU5F1 b.s.	0	2	V\$OCT4_01	Sox2-Oct4 joint motif, in silico predicted	10	0
V\$TITF1_Q3	TTF-1, TITF1 (thyroid transcription factor 1)	6	0	V\$RHOX11_01	Rhox11	0	2	MA0048.1	NHLH1	9	0
V\$NKX22_02	NKX22	6	1	V\$S8_01	S8	0	2	MA0052.1	MEF2A	9	0
V\$PPARA_Q6	half-site	6	1	V\$TRF1_01	TRF1	0	2	MA0061.1	NF-kappaB	9	0
V\$CPHX_01	Cphx	6	2	V\$ZIC1_01	zinc finger protein of the cerebellum 1	0	2	MA0150.1	NFE2L2	9	0
MA0151.1	ARID3A	6	3	MA0040.1	Foxq1	0	3	V\$CACCCBINDINGFACTO R_Q6	CACCC-binding factor	9	0
V\$LYF1_01	LyF-1	6	13	MA0057.1	MZF1_5-13	0	3	V\$CACD_01	CACD	9	0
MA0030.1	FOXF2	5	0	MA0111.1	Spz1	0	3	V\$DR1_Q3	Direct repeat 1	9	0
MA0114.1	HNF4A	5	0	V\$AHRHIF_Q6	AhR, Arnt, HIF-1	0	3	V\$E2F4DP1_01	E2F-4:DP-1 heterodimer	9	0
MA0135.1	Lhx3	5	0	V\$BARHL2_01	Barhl2	0	3	V\$FREAC2_01	Fork head RElated Activator-2	9	0
MA0142.1	Pou5f1	5	0	V\$BRACH_01	Brachyury	0	3	V\$HFH8_01	HNF-3/Fkh Homolog-8	9	0
V\$BRN2_01	POU factor Brn-2	5	0	V\$CDPCR3HD_01	cut-like homeodomain protein	0	3	V\$HIC1_02	HIC1	9	0
V\$COUP_DR1_Q6	COUP direct repeat 1	5	0	V\$CHCH_01	Churchill	0	3	V\$HP1SITEFACTOR_Q6	HP1 site factor	9	0

V\$EN1_02	En-1	5	0	V\$DMRT5_01	DMRT5	0	3	V\$MAZR_01	MAZ related factor	9	0
V\$HOXB13_01	HOXB13	5	0	V\$DMRT7_01	DMRT7	0	3	V\$TCF3_01	TCF-3	9	0
V\$IK1_01	lkaros 1	5	0	V\$FAC1_01	fetal Alz-50 clone 1	0	3	V\$TTF1_Q6	TTF-1 (Nkx2-1)	9	1
V\$IRF7_01	interferon regulatory factor 7	5	0	V\$FOXO3A_Q1	FOXO3A	0	3	MA0051.1	IRF2	8	0
V\$LHX61_01	lhx6.1	5	0	V\$HOXA7_01	HOXA7	0	3	V\$COMP1_01	COMP1	8	0
V\$NKX29_01	Nkx2-9	5	0	V\$HOXC10_01	HOXC10	0	3	V\$CREB_01	cAMP-responsive element binding protein	8	0
V\$NKX32_02	Nkx3-2	5	0	V\$IRX2_01	Irx2	0	3	V\$CREBP1CJUN_01	CRE-binding protein 1:c-Jun heterodimer	8	0
V\$RFX3_01	RFX3 dimer	5	0	V\$IRX4_01	IRX4	0	3	V\$E2F1DP1_01	E2F-1:DP-1 heterodimer	8	0
V\$RSRFC4_01	related to serum response factor, C4	5	0	V\$ISL1_Q6	ISL1	0	3	V\$EBOX_Q6_01	Ebox	8	0
V\$S8_02	S8	5	0	V\$LMX1_01	Lmx-1	0	3	V\$EHF_01	EHF	8	0
V\$DRI1_01	DRI1 b.s.	5	1	V\$MEF2_01	myogenic enhancer factor 2	0	3	V\$ER_Q6_02	half-site matrix, half- ERE	8	0
V\$DELTAEF1_01	deltaEF1	5	4	V\$NKX11_01	Nkx1-1	0	3	V\$HSF2_01	heat shock factor 2	8	0
MA0052.1	MEF2A	4	0	V\$NKX21_01	Nkx2-1	0	3	V\$IRF8_Q6	IRF8	8	0
MA0059.1	MYC::MAX	4	0	V\$NKX26_01	Nkx2-6	0	3	V\$KAISO_01	KAISO	8	0
MA0104.2	Mycn	4	0	V\$NKX3A_02	Nkx3A	0	3	V\$LTF_Q6	LTF	8	0
MA0113.1	NR3C1	4	0	V\$OBOX3_01	Obox3	0	3	V\$NFKAPPAB_01	NF-kappaB	8	0
V\$CHCH_01	Churchill	4	0	V\$PNR_01	PNR	0	3	V\$P50P50_Q3	P50:P50	8	0
V\$ERG_01	ERG	4	0	V\$PPARA_Q6	half-site	0	3	MA0075.1	Prrx2	8	1
V\$EVX1_01	Evx-1	4	0	V\$SATB1_01	Consensus SATB1 Binding Sequence	0	3	MA0065.2	PPARG::RXRA	7	0
V\$GFI1B_01	Gfi1b	4	0	V\$ZNF219_01	ZNF219	0	3	MA0148.1	FOXA1	7	0
V\$HOXA1_01	HOXA1	4	0	MA0041.1	Foxd3	0	4	MA0158.1	HOXA5	7	0
V\$HOXC13_01	HOXC13	4	0	MA0124.1	NKX3-1	0	4	V\$FOXP1_01	FOXP1	7	0
V\$IRX4_01	IRX4	4	0	MA0125.1	Nobox	0	4	V\$HEN1_02	HEN1	7	0

V\$OCT2_01	2-Oct	4	0	V\$CDX_Q5	Cdx	0	4	V\$HSF1_Q6	HSF1	7	0
V\$OCT_C	Octamer binding site	4	0	V\$COUPTF_Q6	COUPTF	0	4	V\$PLZF_Q2	PLZF	7	0
V\$OTX3_01	Otx3	4	0	V\$DBX1_01	Dbx-1	0	4	V\$PPARG_Q6	half-site	7	0
V\$PMX2A_01	PMX2A	4	0	V\$DLX7_01	Dlx7	0	4	V\$RBPJK_Q4	RBP-Jkappa	7	0
V\$POU2F3_01	POU2F3	4	0	V\$DMRT2_01	DMRT2	0	4	V\$SP2_01	SP2	7	0
V\$CEBPDELTA_Q6	C/EBPdelta	4	1	V\$HB24_01	HB24	0	4	V\$VDR_Q3	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	7	0
V\$IK_Q5	Ikars	4	9	V\$HOXA11_01	HOXA11	0	4	V\$GKLF_Q2	GKLF (KLF4)	7	1
MA0046.1	HNF1A	3	0	V\$HOXC12_01	HOXC12	0	4	V\$MTF1_Q2	MTF1	7	1
V\$ALX4_Q2	Alx-4	3	0	V\$HOXD11_01	HOXD11	0	4	V\$SREBP2_Q6	SREBP2	7	3
V\$DLX1_01	Dlx-1	3	0	V\$HOXD12_01	HOXD12	0	4	MA0076.1	ELK4	6	0
V\$DLX2_01	Dlx-2	3	0	V\$ISX_Q1	isx	0	4	MA0142.1	Pou5f1	6	0
V\$GSH2_Q1	GSH2	3	0	V\$LXR_Q3	LXR	0	4	V\$E2F1DP2_Q1	E2F-1:DP-2 heterodimer	6	0
V\$HMBX1_Q1	Hmbx1	3	0	V\$OBOX6_Q1	Obox6	0	4	V\$MAX_Q1	Max	6	0
V\$HMEF2_Q6	myocyte enhancer factor	3	0	V\$PITX1_Q1	Pitx1	0	4	V\$NFKAPPAB50_Q1	NF-kappaB (p50)	6	0
V\$HNF1B_Q1	HNF-1beta	3	0	V\$PITX3_Q1	Pitx3	0	4	V\$OLF1_Q1	olfactory neuron-specific factor	6	0
V\$IRF2_Q1	interferon regulatory factor 2	3	0	V\$PLAG1_Q1	PLAG1 binding site	0	4	V\$RELB_P52_Q1	kappaB site	6	0
V\$IRX5_Q1	Irx5	3	0	V\$RSRFC4_Q1	related to serum response factor, C4	0	4	V\$STAT5B_Q1	signal transducer and activator of transcription 5b	6	0
V\$MOX1_Q1	Mox1	3	0	V\$CHOP_Q1	heterodimers of CHOP and C/EBPalpha	0	5	MA0103.1	ZEB1	6	1
V\$MSX2_Q1	Msx-2	3	0	V\$DLX2_Q1	Dlx-2	0	5	MA0030.1	FOXF2	5	0
V\$POU1F1_Q6	POU1F1	3	0	V\$DMRT4_Q1	DMRT4	0	5	MA0031.1	FOXD1	5	0
V\$RREB1_Q1	Ras-responsive element binding	3	0	V\$GLI1_Q2	GLI1	0	5	MA0038.1	Gfi	5	0

	protein 1										
V\$SF1_Q6	SF1	3	0	V\$HELIOSA_02	Helios A	0	5	MA0057.1	MZF1_5-13	5	0
V\$STAF_01	Se-Cys tRNA gene transcription activating factor	3	0	V\$HMEF2_Q6	myocyte enhancer factor	0	5	V\$AFP1_Q6	AFP1	5	0
V\$STAT3STAT3_Q3	STAT3:STAT3	3	0	V\$HOXC11_01	HOXC11	0	5	V\$ATF3_Q6	activating transcription factor 3	5	0
V\$KID3_01	Kid3	3	1	V\$IRX3_01	Irx-3	0	5	V\$CEBPE_01	cebpe	5	0
V\$AML1_Q4	AML1	3	3	V\$IRXB3_01	IRXB3	0	5	V\$CIZ_01	CIZ (Cas-associated zinc finger protein)	5	0
V\$NKX21_01	Nkx2-1	3	3	V\$MRF2_01	modulator recognition factor 2	0	5	V\$CNOT3_01	CNOT3	5	0
V\$SREBP_Q6	SREBP	3	4	V\$OBOX2_01	Obox2	0	5	V\$CREBATF_Q6	CREB, ATF	5	0
MA0006.1	Arnt::Ahr	2	0	V\$OCT_Q6	Octamer	0	5	V\$CREBP1_01	cAMP-responsive element binding protein 1	5	0
MA0040.1	Foxq1	2	0	V\$OTX_Q1	OTX	0	5	V\$DR4_Q2	direct repeat 4	5	0
MA0057.1	MZF1_5-13	2	0	V\$SIX1_01	Six-1	0	5	V\$FOXJ3_01	foxj3	5	0
MA0159.1	RXR::RAR_DR5	2	0	V\$SOX4_01	SOX4	0	5	V\$HFH3_01	HFH-3 (HNF3/fork head homolog 3)	5	0
V\$ATF6_01	activating transcription factor 6	2	0	V\$ZIC3_01	zinc finger protein of the cerebellum 3	0	5	V\$NRF1_Q6	nuclear respiratory factor 1	5	0
V\$CLOCKBMAL_Q6	CLOCK:BMAL	2	0	V\$GATA4_Q3	GATA-4	0	6	V\$POU1F1_Q6	POU1F1	5	0
V\$DLX7_01	Dlx7	2	0	V\$GBX1_01	Gbx1	0	6	V\$POU3F2_02	POU3F2	5	0
V\$DOBOX4_01	Dobox4	2	0	V\$HOXA13_03	HOXA13	0	6	V\$SAP1A_01	SAP-1a	5	0
V\$DUXL_01	Duxl	2	0	V\$HP1SITEFACTOR_Q6	HP1 site factor	0	6	V\$SOX5_01	Sox-5	5	0
V\$E2F1DP1RB_01	Rb:E2F-1:DP-1 trimeric complex	2	0	V\$NKX24_01	Nkx2-4	0	6	V\$STAT3STAT3_Q3	STAT3:STAT3	5	0
V\$E2F4DP1_01	E2F-4:DP-1 heterodimer	2	0	V\$NKX29_01	Nkx2-9	0	6	V\$TFEB_01	TFEB	5	0
V\$E2F4DP2_01	E2F-4:DP-2 heterodimer	2	0	V\$NKX61_01	NKX6-1	0	6	MA0125.1	Nobox	5	1

V\$EGR3_01	early growth response gene 3 product	2	0	V\$OBOX1_01	Obox1	0	6	V\$BRF1_01	BRF-1	5	1
V\$ERR2_01	ERR2 (ESRRB)	2	0	V\$TERALPHA_Q6	TERALPHA	0	6	V\$USF2_Q6	USF2	5	1
V\$ETF_Q6	ETF	2	0	V\$ZIC2_01	zinc finger protein of the cerebellum 2	0	6	MA0002.2	RUNX1	4	0
V\$HOXA11_01	HOXA11	2	0	V\$HMGA2_01	HMGA2 binding site	0	6	MA0006.1	Arnt::Ahr	4	0
V\$HOXA3_02	HOXA3	2	0	V\$AMEF2_Q6	myocyte enhancer factor	0	7	MA0025.1	NFIL3	4	0
V\$IK3_01	Ikaros 3	2	0	V\$CDP_02	transcriptional repressor CDP	0	7	MA0092.1	Hand1::Tcfe2a	4	0
V\$IRX2_01	Irx2	2	0	V\$DLX3_01	dlx3	0	7	MA0105.1	NFKB1	4	0
V\$IRXB3_01	IRXB3	2	0	V\$DMRT3_01	DMRT3	0	7	MA0114.1	HNF4A	4	0
V\$LHX4_01	Lhx4	2	0	V\$GATA3_02	GATA-binding factor 3	0	7	MA0117.1	Mafb	4	0
V\$NFKAPPAB5_0_01	NF-kappaB (p50)	2	0	V\$HNF6_Q6	HNF6	0	7	V\$CMAF_02	C-MAF	4	0
V\$NGFIC_01	nerve growth factor-induced protein C	2	0	V\$HOMEZ_01	Homez	0	7	V\$CP2_01	CP2	4	0
V\$OG2_02	OG-2	2	0	V\$NKX62_Q2	NK related homeobox factor 6-2	0	7	V\$DAX1_01	Dax1	4	0
V\$PLZF_02	PLZF	2	0	V\$OBOX5_01	Obox5	0	7	V\$E4BP4_01	E4BP4	4	0
V\$RFX1_02	X-box binding protein RFX1	2	0	V\$POU2F3_01	POU2F3	0	7	V\$HFH4_01	HFH4 (FOXJ1)	4	0
V\$RHOX11_01	Rhox11	2	0	V\$TST1_01	POU-factor Tst-1/Oct-6	0	7	V\$HNF4_DR1_Q3	HNF4 direct repeat 1	4	0
V\$TAL1BETAE47_01	Tal-1beta:E47 heterodimer	2	0	MA0108.2	TBP	0	8	V\$IK1_01	Ikaros 1	4	0
V\$VAX2_01	Vax-2	2	0	MA0122.1	Nkx3-2	0	8	V\$OTX_Q1	OTX	4	0
V\$CEBPGAMMA_A_Q6	C/EBPgamma	2	1	V\$CDX1_01	Cdx-1	0	8	V\$PR_Q2	half-site matrix	4	0
V\$HNF6_Q6	HNF6	2	1	V\$GATA6_01	GATA-6	0	8	V\$REX1_03	REX1	4	0
V\$LEF1TCF1_Q4	LEF1, TCF1	2	1	V\$HOXC13_01	HOXC13	0	8	V\$TAL1BETAE47_01	Tal-1beta:E47 heterodimer	4	0

V\$NKX26_01	Nkx2-6	2	1	V\$SIX2_01	Six-2	0	8	V\$TAL1BETAITF2_01	Tal-1beta:ITF-2 heterodimer	4	0
V\$TBP_01	TATA binding protein	2	1	V\$TATA_01	cellular and viral TATA box elements	0	8	V\$ZFX_01	Zfx	4	0
V\$HELIOSA_02	Helios A	2	2	V\$TCF3_01	TCF-3	0	8	MA0087.1	Sox5	4	1
V\$HMGY_Q3	HMGY	2	2	V\$CDX2_01	Cdx-2	0	9	V\$DMRT2_01	DMRT2	4	1
V\$TCF3_01	TCF-3	2	5	V\$FOXM1_01	FOXM1	0	9	V\$DMRT4_01	DMRT4	4	1
V\$BRF1_01	BRF-1	2	6	V\$HMGY_Q6	HMG Y	0	9	V\$NURR1_Q3	NURR1	4	1
V\$ZIC3_01	zinc finger protein of the cerebellum 3	2	6	V\$HOXA10_01	HOXA10	0	9	V\$OCT_C	Octamer binding site	4	1
MA0017.1	NR2F1	1	0	V\$HOXA9_01	hoxa9	0	9	V\$SMAD_Q6	SMAD	4	1
MA0087.1	Sox5	1	0	V\$IRF8_Q6	IRF8	0	9	MA0035.2	Gata1	3	0
MA0147.1	Myc	1	0	V\$SIX6_02	Six-6	0	9	MA0042.1	FOX11	3	0
V\$ATF_01	activating transcription factor	1	0	MA0032.1	FOXC1	0	10	MA0047.2	Foxa2	3	0
V\$CREBATF_Q6	CREB, ATF	1	0	MA0052.1	MEF2A	0	10	MA0073.1	RREB1	3	0
V\$DLX3_01	dlx3	1	0	MA0158.1	HOXA5	0	10	MA0093.1	USF1	3	0
V\$DLX5_01	dlx5	1	0	V\$GFI1_Q6	Gfi1	0	10	MA0104.2	Mycn	3	0
V\$DMRT7_01	DMRT7	1	0	V\$HOXB9_01	HOXB9	0	10	F\$AMT1_Q2	AMT1	3	0
V\$DR3_Q4	direct repeat 3	1	0	V\$POU6F1_01	POU6F1	0	10	V\$ALPHACP1_01	alpha-CP1	3	0
V\$DR4_Q2	direct repeat 4	1	0	V\$YY1_01	Yin and Yang 1	0	10	V\$ATF_B	ATF binding site	3	0
V\$E4F1_Q6	E4F1	1	0	V\$DOBOX4_01	Dobox4	0	11	V\$BRCA_01	BRCA1 containing protein complex with USF2	3	0
V\$EGR1_01	Egr-1/Krox-24/NGFI-A immediate-early gene product	1	0	V\$HOXB13_01	HOXB13	0	11	V\$CHX10_01	CHX10	3	0
V\$EGR2_01	Egr-2/Krox-20 early growth response gene product	1	0	V\$HOXD10_01	HOXD10	0	11	V\$GATA3_03	GATA-binding factor 3	3	0

V\$EMX2_01	EMX2	1	0	V\$LRF_Q2	LRF	0	11	V\$GFI1B_01	Gfi1b	3	0
V\$FXR_Q2	half-site	1	0	V\$OG2_01	OG-2	0	11	V\$HAND1E47_01	Hand1:E47 heterodimer	3	0
V\$GBX1_01	Gbx1	1	0	MA0151.1	ARID3A	0	12	V\$HNF3A_01	FOXA1	3	0
V\$GBX2_01	Gbx2	1	0	V\$GATA_Q6	GATA	0	12	V\$MIZF_01	MIZF	3	0
V\$GSC_01	Gsc	1	0	V\$HOXD13_01	HOXD13	0	12	V\$PAX8_B	Pax-8 binding sites	3	0
V\$HB9_01	HB9	1	0	V\$IK_Q5	Ikaros	0	13	V\$RFX1_02	X-box binding protein RFX1	3	0
V\$HIC1_02	HIC1	1	0	MA0027.1	En1	0	14	V\$SMAD4_Q6	SMAD4	3	0
V\$HIF1_Q3	hypoxia induced factor	1	0	V\$SIX3_01	Six-3	0	14	V\$STAF_01	Se-Cys tRNA gene transcription activating factor	3	0
V\$HOXA13_03	HOXA13	1	0	V\$DRI1_01	DRI1 b.s.	0	15	V\$TCF11MAFG_01	TCF11:MafG heterodimers	3	0
V\$HOXC10_01	HOXC10	1	0	V\$IK2_01	Ikaros 2	0	15	V\$VBP_01	PAR-type chicken vitellogenin promoter-binding protein	3	0
V\$HOXC11_01	HOXC11	1	0	I\$ANTP_Q6_01	Antp	0	16	MA0018.2	CREB1	3	1
V\$HOXC12_01	HOXC12	1	0	V\$LUN1_01	LUN-1	0	16	V\$DMRT3_01	DMRT3	3	1
V\$HOXD11_01	HOXD11	1	0	MA0063.1	Nkx2-5	0	17	MA0132.1	Pdx1	3	5
V\$HOXD12_01	HOXD12	1	0	V\$AP3_Q6	AP-3	0	17	MA0059.1	MYC::MAX	2	0
V\$IRX3_02	Irx-3	1	0	MA0019.1	Ddit3::Cebpa	0	18	MA0140.1	Tal1::Gata1	2	0
V\$ISX_01	isx	1	0	MA0132.1	Pdx1	0	18	MA0155.1	INSM1	2	0
V\$MYOGNF1_01	myogenin / nuclear factor 1 or related factors	1	0	V\$ARP1_01	apolipoprotein AI regulatory protein 1	0	18	MA0164.1	Nr2e3	2	0
V\$NFMUE1_Q6	NF-muE1	1	0	V\$ERALPHA_01	2 ERE half-sites with a 3bp spacer within	0	18	V\$ARNT_02	AhR nuclear translocator homodimers	2	0
V\$NKX11_01	Nkx1-1	1	0	V\$MEF2C_01	MEF-2C	0	19	V\$ATF1_Q6	ATF1	2	0
V\$OBOX2_01	Obox2	1	0	MA0033.1	FOXL1	0	20	V\$CEBPDELTA_Q6	C/EBPdelta	2	0
V\$OBOX3_01	Obox3	1	0	MA0109.1	Hltf	0	20	V\$CMYC_02	c-Myc heterodimer (with a 26-29 kDa factor)	2	0



V\$OBOX6_01	Obox6	1	0	V\$CIZ_01	CIZ (Cas-associated zinc finger protein)	0	20	V\$ERR2_01	ERR2 (ESRRB)	2	0
V\$PAX3_01	Pax-3 binding sites	1	0	V\$ING4_01	ING4	0	20	V\$LBP9_01	LBP9 (Tcfcp211)	2	0
V\$PXR_Q2	half-site matrix	1	0	V\$RUSH1A_02	RUSH-1alpha	0	20	V\$MYC_Q2	Myc	2	0
V\$RAX_01	rax	1	0	V\$ZNF333_01	ZNF333	0	20	V\$MYCMAX_01	c-Myc:Max heterodimer	2	0
V\$ROAZ_01	rat Olf-1/EBF-associated zinc finger protein	1	0	MA0075.1	Prrx2	0	21	V\$NUR77_Q5	NUR77	2	0
V\$RP58_01	58 KDA repressor protein	1	0	V\$HOXA3_01	HOXA3 (homeobox cluster protein)	0	21	V\$PPAR_DR1_Q2	PPAR direct repeat 1	2	0
V\$RXRG_01	RXRG dimer	1	0	V\$LYF1_01	LyF-1	0	21	V\$RFX3_01	RFX3 dimer	2	0
V\$RXRLXRB_01	RXR:LXR-beta	1	0	V\$YY2	YY2	0	21	V\$STRA13_01	Stra13	2	0
V\$SP2_01	SP2	1	0	V\$GTF2IRD1_01	GTF2IRD1-isoform2	0	22	V\$TFIIA_Q6	TFIIA	2	0
V\$SRF_02	serum response factor	1	0	V\$BDP1_01	BDP1	0	23	V\$WHN_B	winged-helix factor nude	2	0
V\$STRA13_01	Stra13	1	0	V\$HOXA4_Q2	HOXA4	0	23	V\$XBP1_02	XBP1	2	0
V\$TAL1BETAL TF2_01	Tal-1beta:ITF-2 heterodimer	1	0	V\$RPC155_01	RPC155	0	23	V\$ZNF219_01	ZNF219	2	0
V\$TFIIA_Q6	TFIIA	1	0					V\$HMGA2_01	HMGA2 binding site	2	0
V\$ZABC1_01	ZABC1 b.s.	1	0					V\$AP2REP_01	AP-2 repressor	2	1
V\$ZEC_01	zinc finger protein expressed in embryonal cells and certain adult organs	1	0					V\$P300_01	p300	2	1
V\$ZFX_01	Zfx	1	0					V\$HES1_Q2	HES1	2	3
V\$E4BP4_01	E4BP4	1	1					MA0017.1	NR2F1	1	0
V\$FOXP1_01	FOXP1	1	1					MA0063.1	Nkx2-5	1	0
V\$GCNF_01	GCNF (germ cell nuclear factor)	1	1					MA0090.1	TEAD1	1	0
V\$POU3F2_02	POU3F2	1	1					MA0091.1	TAL1::TCF3	1	0
V\$TRF1_01	TRF1	1	1					MA0106.1	TP53	1	0

MA0041.1	Foxd3	1	2
V\$LEF1_Q2	LEF1	1	2
V\$ZNF219_01	ZNF219	1	2
V\$NKX24_01	Nkx2-4	1	3
I\$ANTP_Q6_01	Antp	1	4
V\$TBR2_01	TBR2	1	5
V\$SOX4_01	SOX4	1	6
V\$CDPCR1_01	cut-like homeodomain protein	1	13
MA0009.1	T	0	1
MA0018.2	CREB1	0	1
MA0072.1	RORA_2	0	1
MA0130.1	ZNF354C	0	1
MA0131.1	MIZF	0	1
MA0133.1	BRCA1	0	1
MA0163.1	PLAG1	0	1
V\$AIRE_02	AIRE	0	1
V\$DMRT1_01	DMRT1	0	1
V\$E2F_Q2	E2F	0	1
V\$GATA2_03	GATA-binding factor 2	0	1
V\$GRE_C	Glucocorticoid response element	0	1
V\$LXR_Q3	LXR	0	1
V\$MEIS1AHOX A9_01	Meis-1a:HOXA9 heterodimeric binding	0	1
V\$MTF1_02	MTF1	0	1

MA0141.1	Esrrb	1	0
MA0147.1	Myc	1	0
MA0258.1	ESR2	1	0
MA0442.1	SOX10	1	0
V\$AIRE_02	AIRE	1	0
V\$COUP_01	COUP-TF, HNF-4	1	0
V\$EGR3_01	early growth response gene 3 product	1	0
V\$GATA2_02	GATA-binding factor 2	1	0
V\$GATA6_01	GATA-6	1	0
V\$GATA_C	GATA binding site	1	0
V\$HBP1_Q2	hbp1	1	0
V\$HNF4ALPHA_Q6	HNF4alpha	1	0
V\$HTF_01	HTF	1	0
V\$LEF1TCF1_Q4	LEF1, TCF1	1	0
V\$LXR_Q3	LXR	1	0
V\$MECP2_01	MECP2 b.s.	1	0
V\$MYOGNF1_01	myogenin / nuclear factor 1 or related factors	1	0
V\$NF1_Q6	nuclear factor 1	1	0
V\$P63_01	p63	1	0
V\$PAX5_01	B-cell-specific activating protein	1	0
V\$PAX_Q6	Pax	1	0
V\$RFX_Q6	RFX	1	0
V\$ROAZ_01	rat Olf-1/EBF-associated zinc finger	1	0

V\$PAX5_02	B-cell-specific activating protein	0	1
V\$PNR_01	PNR	0	1
V\$RORA2_01	RAR-related orphan receptor alpha2	0	1
V\$RORA_Q4	RORalpha	0	1
V\$SIX6_01	Six-6	0	1
V\$SZF11_01	SZF1-1	0	1
V\$TATA_01	cellular and viral TATA box elements	0	1
V\$TBX15_02	T-box 15	0	1
V\$TFE_Q6	TFE	0	1
V\$ZID_01	zinc finger with interaction domain	0	1
MA0115.1	NR1H2::RXRA	0	2
MA0160.1	NR4A2	0	2
V\$DMRT3_01	DMRT3	0	2
V\$GATA4_Q3	GATA-4	0	2
V\$HES1_Q2	HES1	0	2
V\$HP1SITEFACTOR_Q6	HP1 site factor	0	2
V\$OSF2_Q6	Osf2	0	2
V\$OTX_Q1	OTX	0	2
V\$PITX3_01	Pitx3	0	2
MA0071.1	RORA_1	0	3
MA0125.1	Nobox	0	3

	protein		
V\$SF1_Q6_01	SF1	1	0
V\$SRF_Q2	serum response factor	1	0
V\$YY1_Q2	Yin and Yang 1	1	0
V\$ZBRK1_Q1	ZBRK1	1	0
MA0112.2	ESR1	1	1
V\$COUPTF_Q6	COUPTF	1	1
V\$DMRT1_Q1	DMRT1	1	1
V\$GCNF_Q1	GCNF (germ cell nuclear factor)	1	1
V\$GLI3_Q5_01	GLI3	1	1
V\$ZNF515_Q1	Glis binding sites	1	1
MA0119.1	TLX1::NFIC	1	2
MA0160.1	NR4A2	1	2
V\$CTF1_Q1	selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2]	1	2
V\$PLAG1_Q1	PLAG1 binding site	1	2
V\$TBX18_Q1	T-box 18	1	2
V\$ZIC3_Q1	zinc finger protein of the cerebellum 3	1	2
MA0043.1	HLF	0	1
MA0069.1	Pax6	0	1
MA0072.1	RORA_2	0	1
MA0115.1	NR1H2::RXRA	0	1
V\$AHR_Q5	aryl hydrocarbon /	0	1

MA0146.1	Zfx	0	3
V\$AHRHIF_Q6	AhR, Arnt, HIF-1	0	3
V\$COUPTF_Q6	COUPTF	0	3
V\$DMRT5_01	DMRT5	0	3
V\$ERR1_Q2	estrogen-related receptor alpha	0	3
V\$GATA1_04	GATA-binding factor 1	0	3
V\$IRF8_Q6	IRF8	0	3
V\$MRF2_01	modulator recognition factor 2	0	3
V\$SIX1_01	Six-1	0	3
V\$AHR_Q5	aryl hydrocarbon / dioxin receptor	0	4
V\$CDPCR3_01	cut-like homeodomain protein	0	4
V\$DEC_Q1	DEC	0	4
V\$PBX_Q3	Pbx	0	4
V\$RORA1_01	RAR-related orphan receptor alpha1	0	4
MA0088.1	znf143	0	5
V\$GATA3_02	GATA-binding	0	5

	dioxin receptor		
V\$AHRARNT_01	aryl hydrocarbon receptor:Arnt heterodimers	0	1
V\$BRACH_01	Brachyury	0	1
V\$CDPCR1_01	cut-like homeodomain protein	0	1
V\$CDPCR3HD_01	cut-like homeodomain protein	0	1
V\$FXR_IR1_Q6	FXR inverted repeat 1	0	1
V\$PBX_Q3	Pbx	0	1
V\$PPARA_02	PPAR-alpha:RXR-alpha heterodimer (peroxisome proliferator activated factor alpha:retinoid X receptor alpha)	0	1
V\$PXR_Q2	half-site matrix	0	1
V\$RORA2_01	RAR-related orphan receptor alpha2	0	1
V\$RP58_01	58 KDA repressor protein	0	1
V\$RXRG_01	RXRG dimer	0	1
V\$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	0	1
V\$ZABC1_01	ZABC1 b.s.	0	1
V\$ZEC_01	zinc finger protein expressed in embryonal cells and certain adult organs	0	1
V\$ZID_01	zinc finger with interaction domain	0	1
MA0071.1	RORA_1	0	2

	factor 3		
V\$ZNF515_01	Glis binding sites	0	5
V\$HMGA2_01	HMGA2 binding site	0	5
MA0149.1	EWSR1-FLI1	0	6
MA0158.1	HOXA5	0	6
V\$BRACH_01	Brachyury	0	6
V\$DBP_Q6	DBP	0	6
V\$GZF1_01	plays a role in renal branching morphogenesis	0	6
V\$SIX2_01	Six-2	0	6
MA0078.1	Sox17	0	7
V\$SIX3_01	Six-3	0	7
V\$CDPCR3HD_01	cut-like homeodomain protein	0	8
V\$GLI_Q2	GLI	0	9
V\$GCM_Q2	GCM	0	10
V\$GLI1_01	GLI1	0	10
V\$CHOP_01	heterodimers of CHOP and C/EBPalpha	0	11
V\$ISL1_Q6	ISL1	0	11
V\$SPZ1_01	spermatogenic Zip	0	11
V\$GLI2_01	GLI2	0	12
MA0124.1	NKX3-1	0	13
V\$GATA6_01	GATA-6	0	13

MA0146.1	Zfx	0	2
V\$AHRHIF_Q6	AhR, Arnt, HIF-1	0	2
V\$ATF4_Q2	activating transcription factor 4	0	2
V\$ERR1_Q2	estrogen-related receptor alpha	0	2
V\$RORA_Q4	RORalpha	0	2
V\$RORBETA_Q2	RORBETA	0	2
V\$TBX5_01	TBX5	0	2
V\$TEF1_Q6	TEF-1	0	2
MA0130.1	ZNF354C	0	3
V\$ING4_01	ING4	0	3
V\$RORA1_01	RAR-related orphan receptor alpha1	0	3
V\$CDPCR3_01	cut-like homeodomain protein	0	4
V\$GLI1_01	GLI1	0	4
MA0088.1	znf143	0	5
MA0111.1	Spz1	0	5
V\$AML1_Q4	AML1	0	5
V\$CHOP_01	heterodimers of CHOP and C/EBPalpha	0	5
V\$TBR2_01	TBR2	0	5
V\$ZIC1_01	zinc finger protein of the cerebellum 1	0	5
MA0033.1	FOXL1	0	6

V\$FOX1_01	FOX1	0	14
V\$MEF2C_01	MEF-2C	0	14
V\$TERALPHA_Q6	TERALPHA	0	14
V\$ZIC1_01	zinc finger protein of the cerebellum 1	0	14
MA0111.1	Spz1	0	16
MA0063.1	Nkx2-5	0	17
V\$CRX_Q4_01	CRX	0	17
V\$GATA_Q6	GATA	0	17
MA0122.1	Nkx3-2	0	18
V\$ZIC2_01	zinc finger protein of the cerebellum 2	0	18
V\$CIZ_01	CIZ (Cas-associated zinc finger protein)	0	19
V\$YY1_01	Yin and Yang 1	0	19
MA0027.1	En1	0	21
MA0033.1	FOXL1	0	21
MA0132.1	Pdx1	0	21
V\$IK2_01	Ikaros 2	0	21
V\$LUN1_01	LUN-1	0	21
MA0032.1	FOXC1	0	22
MA0075.1	Prrx2	0	22
V\$AP3_Q6	AP-3	0	22
V\$ARP1_01	apolipoprotein AI regulatory protein 1	0	22
V\$ERALPHA_01	2 ERE half-sites with a 3bp spacer	0	22

MA0124.1	NKX3-1	0	6
V\$DEC_Q1	DEC	0	6
V\$GLI2_01	GLI2	0	6
V\$GLI_Q2	GLI	0	6
V\$OSF2_Q6	Osf2	0	6
V\$SOX17_01	half-site	0	6
V\$SREBP1_Q6	SREBP-1	0	6
V\$SREBP_Q3	SREBP	0	6
V\$ZNF333_01	ZNF333	0	6
V\$FOX1_01	FOX1	0	7
V\$IK2_01	Ikaros 2	0	7
V\$DBP_Q6	DBP	0	9
V\$GCM_Q2	GCM	0	9
V\$MEF2C_01	MEF-2C	0	9
MA0078.1	Sox17	0	10
V\$IK_Q5	Ikaros	0	10
V\$AP3_Q6	AP-3	0	11
V\$DELTAEF1_01	deltaEF1	0	11
V\$ZIC2_01	zinc finger protein of the cerebellum 2	0	11
V\$TERALPHA_Q6	TERALPHA	0	13
V\$LYF1_01	LyF-1	0	15
MA0089.1	NFE2L1::MafG	0	16

	within		
V\$ING4_01	ING4	0	22
MA0019.1	Ddit3::Cebpa	0	23
MA0109.1	Hltf	0	23
V\$BDP1_01	BDP1	0	23
V\$GTF2IRD1_01	GTF2IRD1-isoform2	0	23
V\$RUSH1A_02	RUSH-1alpha	0	23
V\$YY2	YY2	0	23
V\$ZNF333_01	ZNF333	0	23

MA0109.1	Hltf	0	18
MA0122.1	Nkx3-2	0	18
V\$RUSH1A_02	RUSH-1alpha	0	18
V\$TFE_Q6	TFE	0	18
V\$ERALPHA_01	2 ERE half-sites with a 3bp spacer within	0	19
V\$LUN1_01	LUN-1	0	19
MA0019.1	Ddit3::Cebpa	0	20
V\$ARP1_01	apolipoprotein AI regulatory protein 1	0	20
V\$BDP1_01	BDP1	0	20
V\$YY2	YY2	0	21
MA0032.1	FOXC1	0	22
V\$GTF2IRD1_01	GTF2IRD1-isoform2	0	23
V\$RPC155_01	RPC155	0	23