Supplementary Table 4. Clover results indicate the number of chromosomes that returned transcription factor binding motifs as statistically over- or under-represented in HTE DHS overlapping promoters. Analysis was divided into three groups (all DHS, HTE-selective DHS, and ubiquitous DHS). Motifs with more than one entry in the databases were edited to include only the first occurrence of the motif .

All DHS x 2kbUp				TE-selective DHS x 2kbUp				Ubiquitous DHS x 2kbUp			
ID	**Name**	**p < 0.01**	**p > 0.99**	**ID**	**Name**	**p < 0.01**	**p > 0.99**	**ID**	**Name**	**p < 0.01**	**p > 0.99**
MA0028.1	ELK1	23	0	V$FRA1_Q5	FRA1	16	0	MA0027.1	En1	23	0
MA0039.2	Klf4	23	0	V$AP1_Q4_01	AP-1	15	0	MA0028.1	ELK1	23	0
MA0060.1	NFYA	23	0	V$AP1FJ_Q2	activator protein 1	10	0	MA0039.2	Klf4	23	0
MA0062.2	GABPA	23	0	V$BACH1_01	BTB and CNC homolog 1	9	0	MA0060.1	NFYA	23	0
MA0068.1	Pax4	23	0	V$MAFB_01	MAFB	9	0	MA0062.2	GABPA	23	0
MA0076.1	ELK4	23	0	V$NFE2_01	NF-E2 p45	9	0	MA0063.1	Nkx2-5	23	0
MA0079.2	SP1	23	0	V$CMAF_02	C-MAF	8	0	MA0068.1	Pax4	23	0
MA0080.2	SPI1	23	0	V$BACH2_01	BTB and CNC homolog 2	7	0	MA0076.1	ELK4	23	0
MA0081.1	SPIB	23	0	V$HEB_Q6	HEB	7	0	MA0079.2	SP1	23	0
MA0098.1	ETS1	23	0	V$P53_05	p53	7	0	MA0080.2	SPI1	23	0
MA0108.2	TBP	23	0	V$P63_01	p63	7	0	MA0081.1	SPIB	23	0
MA0113.1	NR3C1	23	0	V$MAF_Q6_01	MAF	6	0	MA0084.1	SRY	23	0
MA0136.1	ELF5	23	0	V$AP4_Q6	activator protein 4	5	0	MA0098.1	ETS1	23	0
V$ALX3_01	ALX-3	23	0	V$ELF1_Q5	ELF1	5	0	MA0108.2	TBP	23	0
V$ALX4_02	Alx-4	23	0	V$ETS_Q4	Ets	5	0	MA0113.1	NR3C1	23	0
V$AMEF2_Q6	myocyte enhancer factor	23	0	V$GABPALPHA_Q4	GABP-alpha	5	0	MA0151.1	ARID3A	23	0
V$ARX_01	Arx	23	0	V$MYOGENIN_Q6	myogenin	5	0	V$ALX3_01	ALX-3	23	0
V$BARHL1_01	Barhl-1	23	0	V$NRF2_Q4	heterodimer	5	0	V$ALX4_02	Alx-4	23	0

					containing Nrf2						
V$BARHL2_01	Barhl2	23	0	MA0080.2	SPI1	4	0	V$AMEF2_Q6	myocyte enhancer factor	23	0
V$BARX1_01	Barx1	23	0	MA0089.1	NFE2L1::MafG	4	0	V$AP2_Q6	activator protein 2	23	0
V$BARX2_01	Barx-2	23	0	MA0106.1	TP53	4	0	V$ARX_01	Arx	23	0
V$BCL6_01	BCL6	23	0	V$CACBINDINGPROTEIN_Q6	CAC-binding protein	4	0	V$BARHL1_01	Barhl-1	23	0
V$BRN2_01	POU factor Brn-2	23	0	V$ETS1_B	c-ETS-1 binding site	4	0	V$BARHL2_01	Barhl2	23	0
V$BRN3C_01	Brn-3c	23	0	V$ETS2_Q6	ETS2	4	0	V$BARX1_01	Barx1	23	0
V$BRN4_01	Brn-4	23	0	V$GR_Q6_01	half-site matrix	4	0	V$BARX2_01	Barx-2	23	0
V$BSX_01	Bsx	23	0	V$MATH1_Q2	E47:MATH1	4	0	V$BCL6_01	BCL6	23	0
V$CART1_02	CART1	23	0	V$MYOD_Q6	myoblast determining factor	4	0	V$BRN2_01	POU factor Brn-2	23	0
V$CDC5_01	cell division control protein 5	23	0	V$NEUROD_01	Neuro D	4	0	V$BRN3C_01	Brn-3c	23	0
V$CDP_03	CDP	23	0	V$PEA3_Q6	PEA3	4	0	V$BRN4_01	Brn-4	23	0
V$CDX1_01	Cdx-1	23	0	MA0039.2	Klf4	3	0	V$BSX_01	Bsx	23	0
V$CDX2_01	Cdx-2	23	0	MA0081.1	SPIB	3	0	V$CART1_02	CART1	23	0
V$CDX_Q5	Cdx	23	0	V$AR_Q6	half-site matrix	3	0	V$CDC5_01	cell division control protein 5	23	0
V$CEBP_01	CCAAT/enhancer binding protein	23	0	V$CKROX_Q2	CKROX	3	0	V$CDP_03	CDP	23	0
V$CEBPA_01	CCAAT/enhancer binding protein alpha	23	0	V$E2A_Q2	E2A	3	0	V$CDX1_01	Cdx-1	23	0
V$CETS1P54_02	c-Ets-1(p54)	23	0	V$ESE1_Q3	ESE1	3	0	V$CDX2_01	Cdx-2	23	0

V$CKROX_Q2	CKROX	23	0	V$HMX1_01	H6 homeobox 3	3	0	V$CDX_Q5	Cdx	23	0
V$CNOT3_01	CNOT3	23	0	V$NFY_C	NF-Y binding site	3	0	V$CEBP_01	CCAAT/enhancer binding protein	23	0
V$CPHX_01	Cphx	23	0	V$PU1_Q6	PU.1	3	0	V$CEBPA_01	CCAAT/enhancer binding protein alpha	23	0
V$CRX_02	Crx	23	0	V$PUR1_Q4	PUR1	3	0	V$CEBPGAMMA_Q6	C/EBPgamma	23	0
V$DBX1_01	Dbx-1	23	0	V$SMAD4_Q6	SMAD4	3	0	V$CETS1P54_01	c-Ets-1(p54)	23	0
V$DBX2_01	Dbx-2	23	0	V$STAT5A_04	signal transducer and activator of transcription 5a	3	0	V$CKROX_Q2	CKROX	23	0
V$DLX1_01	Dlx-1	23	0	V$TBX5_02	TBX5	3	0	V$CNOT3_01	CNOT3	23	0
V$DLX2_01	Dlx-2	23	0	V$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	3	0	V$CPHX_01	Cphx	23	0
V$DLX3_01	dlx3	23	0	MA0003.1	TFAP2A	2	0	V$CREBP1CJUN_01	CRE-binding protein 1:c-Jun heterodimer	23	0
V$DLX5_01	dlx5	23	0	MA0056.1	MZF1_1-4	2	0	V$CRX_02	Crx	23	0
V$DLX7_01	Dlx7	23	0	MA0136.1	ELF5	2	0	V$DBX1_01	Dbx-1	23	0
V$DOBOX4_01	Dobox4	23	0	MA0145.1	Tcfcp2l1	2	0	V$DBX2_01	Dbx-2	23	0
V$DOBOX5_01	Dobox5	23	0	MA0152.1	NFATC2	2	0	V$DLX1_01	Dlx-1	23	0
V$DUXL_01	Duxl	23	0	MA0156.1	FEV	2	0	V$DLX2_01	Dlx-2	23	0
V$E2F1_01	E2F1	23	0	V$AP2ALPHA_01	AP-2alpha	2	0	V$DLX3_01	dlx3	23	0
V$E2F6_01	E2F6	23	0	V$AP2GAMMA_01	AP-2gamma	2	0	V$DLX5_01	dlx5	23	0
V$ELF1_Q5	ELF1	23	0	V$AP2REP_01	AP-2 repressor	2	0	V$DLX7_01	Dlx7	23	0

V$EMX2_01	EMX2	23	0	V$ATF3_Q6	activating transcription factor 3	2	0	V$DOBOX4_01	Dobox4	23	0
V$EN1_02	En-1	23	0	V$CACCCBINDING FACTOR_Q6	CACCC-binding factor	2	0	V$DOBOX5_01	Dobox5	23	0
V$EN2_01	En-2	23	0	V$CREB_02	cAMP-responsive element binding protein	2	0	V$DRI1_01	DRI1 b.s.	23	0
V$ERG_01	ERG	23	0	V$E12_Q6	E12	2	0	V$DUXL_01	Duxl	23	0
V$ESX1_01	Esx1	23	0	V$EBOX_Q6_01	Ebox	2	0	V$E2F1_01	E2F1	23	0
V$ETF_Q6	ETF	23	0	V$GKLF_02	GKLF (KLF4)	2	0	V$E2F1DP1_01	E2F-1:DP-1 heterodimer	23	0
V$ETS2_Q6	ETS2	23	0	V$GLI3_Q5_01	GLI3	2	0	V$E2F6_01	E2F6	23	0
V$ETS_Q6	Ets	23	0	V$IK1_01	Ikaros 1	2	0	V$E2F_Q2	E2F	23	0
V$EVI1_04	ectopic viral integration site 1 encoded factor	23	0	V$LBP1_Q6	LBP-1	2	0	V$EHF_01	EHF	23	0
V$EVX1_01	Evx-1	23	0	V$LMAF_Q2	LMAF	2	0	V$ELF1_Q5	ELF1	23	0
V$EVX2_01	Evx2	23	0	V$MAFA_Q4_01	MAFA	2	0	V$ELF5_01	ELF5	23	0
V$FLI1_Q6	FLI1	23	0	V$MAZ_Q6	MAZ	2	0	V$EMX2_01	EMX2	23	0
V$FOXP3_01	forkhead box P3	23	0	V$MZF1_Q5	MZF1	2	0	V$EN2_01	En-2	23	0
V$FREAC7_01	Fork head RElated ACtivator-7	23	0	V$NERF_Q2	new ets-related factor 1a	2	0	V$ERG_01	ERG	23	0
V$GABPALPHA_Q4	GABP-alpha	23	0	V$NFAT_Q4_01	NF-AT	2	0	V$ESX1_01	Esx1	23	0
V$GADP_01	Growth-associated binding protein	23	0	V$SMAD3_Q6	SMAD3	2	0	V$ETF_Q6	ETF	23	0
V$GBX1_01	Gbx1	23	0	V$SP1_Q2_01	Sp1	2	0	V$EVI1_04	ectopic viral	23	0

									integration site 1 encoded factor		
V$GBX2_01	Gbx2	23	0	V$SRF_Q5_01	SRF	2	0	V$EVX1_01	Evx-1	23	0
V$GSC_01	Gsc	23	0	V$STAT3_02	signal transducer and activator of transcription 3	2	0	V$EVX2_01	Evx2	23	0
V$GSH2_01	GSH2	23	0	V$STAT6_02	signal transducer and activator of transcription 6	2	0	V$FOXO3_01	fork head box O3	23	0
V$HB24_01	HB24	23	0	V$TAL1_01	Tal-1 (Scl)	2	0	V$FOXO3A_Q1	FOXO3A	23	0
V$HB9_01	HB9	23	0	V$TAL1BETAITF2_01	Tal-1beta:ITF-2 heterodimer	2	0	V$FOXO4_01	fork head box O4	23	0
V$HDX_01	Hdx	23	0	V$TBR2_01	TBR2	2	0	V$FOXP3_01	forkhead box P3	23	0
V$HMBOX1_01	Hmbox1	23	0	V$TEL2_Q6	Tel-2	2	0	V$FREAC7_01	Fork head RElated ACtivator -7	23	0
V$HMGIY_01	HMGIY	23	0	V$USF_Q6	upstream stimulating factor	2	0	V$GABPALPHA_Q4	GABP-alpha	23	0
V$HMX1_02	HMX1	23	0	V$AP2_Q3	AP-2	2	1	V$GADP_01	Growth-associated binding protein	23	0
V$HMX3_02	Nkx5-1	23	0	V$CACD_01	CACD	2	1	V$GBX1_01	Gbx1	23	0
V$HNF1_02	HNF-1alpha	23	0	V$PR_Q2	half-site matrix	2	1	V$GBX2_01	Gbx2	23	0
V$HNF1B_01	HNF-1beta	23	0	MA0002.2	RUNX1	1	0	V$GKLF_02	GKLF (KLF4)	23	0
V$HNF3_Q6_01	HNF3	23	0	MA0004.1	Arnt	1	0	V$GSC_01	Gsc	23	0
V$HOMEZ_01	Homez	23	0	MA0031.1	FOXD1	1	0	V$GSH2_01	GSH2	23	0
V$HOX13_02	HOXA5	23	0	MA0047.2	Foxa2	1	0	V$HB24_01	HB24	23	0
V$HOXA10_01	HOXA10	23	0	MA0058.1	MAX	1	0	V$HB9_01	HB9	23	0

V$HOXA11_01	HOXA11	23	0	MA0059.1	MYC::MAX	1	0	V$HBP1_Q2	hbp1	23	0
V$HOXA13_02	HOXA13	23	0	MA0060.1	NFYA	1	0	V$HDX_01	Hdx	23	0
V$HOXA1_01	HOXA1	23	0	MA0061.1	NF-kappaB	1	0	V$HMBOX1_01	Hmbox1	23	0
V$HOXA2_01	HoxA2	23	0	MA0067.1	Pax2	1	0	V$HMGIY_01	HMGIY	23	0
V$HOXA3_02	HOXA3	23	0	MA0090.1	TEAD1	1	0	V$HMX1_02	HMX1	23	0
V$HOXA4_01	HOXA4	23	0	MA0091.1	TAL1::TCF3	1	0	V$HMX3_02	Nkx5-1	23	0
V$HOXA6_01	HOXA6	23	0	MA0092.1	Hand1::Tcfe2a	1	0	V$HNF1_02	HNF-1alpha	23	0
V$HOXA7_02	HOXA7	23	0	MA0093.1	USF1	1	0	V$HNF1B_01	HNF-1beta	23	0
V$HOXA9_01	hoxa9	23	0	MA0100.1	Myb	1	0	V$HNF3_Q6_01	HNF3	23	0
V$HOXB13_01	HOXB13	23	0	MA0104.2	Mycn	1	0	V$HNF3B_01	Hepatocyte Nuclear Factor 3beta	23	0
V$HOXB3_01	HOXB3	23	0	MA0107.1	RELA	1	0	V$HNF6_Q6	HNF6	23	0
V$HOXB4_01	HOXB4	23	0	MA0108.2	TBP	1	0	V$HOMEZ_01	Homez	23	0
V$HOXB5_01	HoxB5	23	0	MA0117.1	Mafb	1	0	V$HOX13_02	HOXA5	23	0
V$HOXB6_01	HOXB6	23	0	MA0130.1	ZNF354C	1	0	V$HOXA10_01	HOXA10	23	0
V$HOXB7_01	HOXB7	23	0	MA0146.1	Zfx	1	0	V$HOXA11_01	HOXA11	23	0
V$HOXB8_01	HOXB8	23	0	MA0147.1	Myc	1	0	V$HOXA13_02	HOXA13	23	0
V$HOXB9_01	HOXB9	23	0	MA0150.1	NFE2L2	1	0	V$HOXA1_01	HOXA1	23	0
V$HOXC10_01	HOXC10	23	0	MA0154.1	EBF1	1	0	V$HOXA2_01	HoxA2	23	0
V$HOXC11_01	HOXC11	23	0	MA0157.1	FOXO3	1	0	V$HOXA3_02	HOXA3	23	0
V$HOXC12_01	HOXC12	23	0	MA0161.1	NFIC	1	0	V$HOXA4_01	HOXA4	23	0
V$HOXC13_01	HOXC13	23	0	MA0162.1	Egr1	1	0	V$HOXA6_01	HOXA6	23	0
V$HOXC4_01	HOXC4	23	0	MA0164.1	Nr2e3	1	0	V$HOXA7_02	HOXA7	23	0

V$HOXC5_01	HOXC5	23	0	V$ALX4_01	Alx-4	1	0	V$HOXA9_01	hoxa9	23	0
V$HOXC6_01	HOXC6	23	0	V$AREB6_01	AREB6 (Atp1a1 regulatory element binding factor 6)	1	0	V$HOXB13_01	HOXB13	23	0
V$HOXC8_01	HOXC-8	23	0	V$ATF5_01	ATF5 binding site	1	0	V$HOXB3_01	HOXB3	23	0
V$HOXC9_01	HOXC9	23	0	V$BEN_01	BEN	1	0	V$HOXB4_01	HOXB4	23	0
V$HOXD10_01	HOXD10	23	0	V$CEBP_01	CCAAT/enhancer binding protein	1	0	V$HOXB5_01	HoxB5	23	0
V$HOXD11_01	HOXD11	23	0	V$CEBPE_01	cebpe	1	0	V$HOXB6_01	HOXB6	23	0
V$HOXD12_01	HOXD12	23	0	V$CETS1P54_01	c-Ets-1(p54)	1	0	V$HOXB7_01	HOXB7	23	0
V$HOXD13_01	HOXD13	23	0	V$CHCH_01	Churchill	1	0	V$HOXB8_01	HOXB8	23	0
V$HOXD1_01	HOXD1	23	0	V$CP2_01	CP2	1	0	V$HOXB9_01	HOXB9	23	0
V$HOXD3_01	HOXD3	23	0	V$CTCF_02	CCCTC-binding factor	1	0	V$HOXC10_01	HOXC10	23	0
V$HOXD8_01	HOXD8	23	0	V$DEC_Q1	DEC	1	0	V$HOXC11_01	HOXC11	23	0
V$HP1SITEFACTOR_Q6	HP1 site factor	23	0	V$DELTAEF1_01	deltaEF1	1	0	V$HOXC12_01	HOXC12	23	0
V$IPF1_05	homeobox transcription factor Pdx-1	23	0	V$DMRT5_01	DMRT5	1	0	V$HOXC13_01	HOXC13	23	0
V$IRF3_Q3	IRF3	23	0	V$E47_02	E47	1	0	V$HOXC4_01	HOXC4	23	0
V$IRF_Q6	IRF	23	0	V$EBF_Q6	EBF	1	0	V$HOXC5_01	HOXC5	23	0
V$IRX2_01	Irx2	23	0	V$ER_Q6_02	half-site matrix, half-ERE	1	0	V$HOXC6_01	HOXC6	23	0
V$IRX3_01	Irx-3	23	0	V$FLI1_Q6	FLI1	1	0	V$HOXC8_01	HOXC-8	23	0
V$IRX4_01	IRX4	23	0	V$FOXO4_02	fork head box O4	1	0	V$HOXC9_01	HOXC9	23	0
V$IRX5_01	Irx5	23	0	V$FXR_Q2	half-site	1	0	V$HOXD10_01	HOXD10	23	0
V$IRXB3_01	IRXB3	23	0	V$GLI1_01	GLI1	1	0	V$HOXD11_01	HOXD11	23	0
V$ISL2_01	Isl2	23	0	V$GLI2_01	GLI2	1	0	V$HOXD12_01	HOXD12	23	0

V$ISX_01	isx	23	0	V$GZF1_01	plays a role in renal branching morphogenesis	1	0	V$HOXD13_01	HOXD13	23	0
V$K2B_01	K-2b	23	0	V$HELIOSA_01	Helios A	1	0	V$HOXD1_01	HOXD1	23	0
V$KROX_Q6	KROX	23	0	V$HEN1_01	HEN1	1	0	V$HOXD3_01	HOXD3	23	0
V$LBX2_01	Lbx2	23	0	V$HFH8_01	HNF-3/Fkh Homolog-8	1	0	V$HOXD8_01	HOXD8	23	0
V$LH2_01	LH-2	23	0	V$HNF3A_01	FOXA1	1	0	V$HP1SITEFACTOR_Q6	HP1 site factor	23	0
V$LHX3_02	Lhx3	23	0	V$HNF4_Q6_01	HNF4	1	0	V$IPF1_05	homeobox transcription factor Pdx-1	23	0
V$LHX4_01	Lhx4	23	0	V$HSF1_Q6	HSF1	1	0	V$IRF3_Q3	IRF3	23	0
V$LHX5_01	Lhx5	23	0	V$HSF2_02	Heat shock transcription factor 2	1	0	V$IRF7_01	interferon regulatory factor 7	23	0
V$LHX61_01	lhx6.1	23	0	V$IPF1_Q6	IPF1	1	0	V$IRF_Q6	IRF	23	0
V$LHX8_01	Lhx8	23	0	V$KID3_01	Kid3	1	0	V$IRX2_01	Irx2	23	0
V$LHX9_01	Lhx9	23	0	V$LBP9_01	LBP9 (Tcfcp211)	1	0	V$IRX3_01	Irx-3	23	0
V$LIM1_01	Lim-1	23	0	V$LFA1_Q6	LF-A1	1	0	V$IRX4_01	IRX4	23	0
V$LMX1_01	Lmx-1	23	0	V$LMO2COM_01	complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	1	0	V$IRX5_01	Irx5	23	0
V$LMX1B_01	lmx1b	23	0	V$LRF_Q2	LRF	1	0	V$IRXB3_01	IRXB3	23	0
V$MAZ_Q6	MAZ	23	0	V$LTF_Q6	LTF	1	0	V$ISL2_01	Isl2	23	0
V$MEF2_Q6_01	MEF-2	23	0	V$MEIS1_01	Meis-1 (myeloid ecotropic viral integration site 1)	1	0	V$ISX_01	isx	23	0
V$MEIS1_02	Meis1	23	0	V$MEIS2_02	MEIS2	1	0	V$K2B_01	K-2b	23	0
V$MEIS2_01	Meis2	23	0	V$MTF1_01	MTF1	1	0	V$KROX_Q6	KROX	23	0

V$MMEF2_Q6	myocyte enhancer factor	23	0	V$MYCMAX_03	c-Myc:Max heterodimer	1	0	V$LBX2_01	Lbx2	23	0
V$MOX1_01	Mox1	23	0	V$NF1_Q6	nuclear factor 1	1	0	V$LH2_01	LH-2	23	0
V$MRG2_01	MRG2	23	0	V$NFAT2_Q5	NF-AT2	1	0	V$LHX3_02	Lhx3	23	0
V$MSX1_01	msh-like (muscle segment homeobox) homeobox protein 1	23	0	V$NFAT3_Q3	NFAT3	1	0	V$LHX4_01	Lhx4	23	0
V$MSX2_01	Msx-2	23	0	V$NFKAPPAB_01	NF-kappaB	1	0	V$LHX5_01	Lhx5	23	0
V$MSX3_01	Msx-3	23	0	V$NFKB_Q6	NF-kappaB	1	0	V$LHX61_01	lhx6.1	23	0
V$NCX_02	Ncx	23	0	V$NMYC_01	N-Myc	1	0	V$LHX8_01	Lhx8	23	0
V$NFAT1_Q6	NFAT1	23	0	V$NRSF_Q4	NRSF	1	0	V$LHX9_01	Lhx9	23	0
V$NFAT_Q6	Nuclear factor of activated T-cells	23	0	V$OCT1_07	octamer factor 1	1	0	V$LIM1_01	Lim-1	23	0
V$NFY_01	nuclear factor Y (Y-box binding factor)	23	0	V$P50RELAP65_Q5_01	P50:RELA-P65	1	0	V$LMX1_01	Lmx-1	23	0
V$NKX11_01	Nkx1-1	23	0	V$PAX_Q6	Pax	1	0	V$LMX1B_01	lmx1b	23	0
V$NKX12_01	Nkx1-2	23	0	V$POU1F1_Q6	POU1F1	1	0	V$MAZ_Q6	MAZ	23	0
V$NKX21_01	Nkx2-1	23	0	V$PPARA_01	PPAR:RXR heterodimers	1	0	V$MEF2_Q6_01	MEF-2	23	0
V$NKX22_02	NKX22	23	0	V$PPARG_Q6	half-site	1	0	V$MEIS1_02	Meis1	23	0
V$NKX23_01	Nkx2-3	23	0	V$RBPJK_01	RBP-Jkappa	1	0	V$MEIS2_01	Meis2	23	0
V$NKX24_01	Nkx2-4	23	0	V$REX1_03	REX1	1	0	V$MMEF2_Q6	myocyte enhancer factor	23	0
V$NKX25_03	NKX25	23	0	V$SEF1_C	SEF1 binding site	1	0	V$MOX1_01	Mox1	23	0
V$NKX26_01	Nkx2-6	23	0	V$SIX1_01	Six-1	1	0	V$MRG2_01	MRG2	23	0
V$NKX29_01	Nkx2-9	23	0	V$SIX2_01	Six-2	1	0	V$MSX1_01	msh-like (muscle	23	0

									segment homeobox) homeobox protein 1		
V$NKX32_02	Nkx3-2	23	0	V$SMAD1_01	SMAD1	1	0	V$MSX2_01	Msx-2	23	0
V$NKX3A_02	Nkx3A	23	0	V$SMAD_Q6	SMAD	1	0	V$MSX3_01	Msx-3	23	0
V$NKX52_01	Nkx5-2	23	0	V$SOX_01	SOX	1	0	V$NANOG_02	Nanog	23	0
V$NKX61_01	NKX6-1	23	0	V$T3R_Q6	half-site matrix	1	0	V$NCX_01	Ncx	23	0
V$NKX62_Q2	NK related homeobox factor 6-2	23	0	V$TATA_01	cellular and viral TATA box elements	1	0	V$NFAT3_Q3	NFAT3	23	0
V$NKX63_01	Nkx6-3	23	0	V$TEF_01	TEF b.s.	1	0	V$NFAT_Q6	Nuclear factor of activated T-cells	23	0
V$NRF2_01	nuclear respiratory factor 2	23	0	V$TGIF_01	TGIF (5'TG3' interacting factor)	1	0	V$NFY_01	nuclear factor Y (Y-box binding factor)	23	0
V$OBOX1_01	Obox1	23	0	V$TITF1_Q3	TTF-1, TITF1 (thyroid transcription factor 1)	1	0	V$NKX11_01	Nkx1-1	23	0
V$OBOX2_01	Obox2	23	0	V$TR4_01	TR4	1	0	V$NKX12_01	Nkx1-2	23	0
V$OBOX3_01	Obox3	23	0	V$UF1H3BETA_Q6	UF1H3BETA	1	0	V$NKX21_01	Nkx2-1	23	0
V$OBOX5_01	Obox5	23	0	V$ZBED6_01	ZBED6	1	0	V$NKX22_02	NKX22	23	0
V$OBOX6_01	Obox6	23	0	V$ZIC3_01	zinc finger protein of the cerebellum 3	1	0	V$NKX23_01	Nkx2-3	23	0
V$OCT1_03	octamer factor 1	23	0	V$ZNF515_01	Glis binding sites	1	0	V$NKX24_01	Nkx2-4	23	0
V$OCT2_01	2-Oct	23	0	MA0124.1	NKX3-1	1	1	V$NKX25_02	homeo domain factor Nkx-2.5/Csx,	23	0

									tinman homolog		
V$OCTAMER_01	Octamer	23	0	MA0138.2	REST	1	1	V$NKX26_01	Nkx2-6	23	0
V$OG2_02	OG-2	23	0	MA0153.1	HNF1B	1	1	V$NKX29_01	Nkx2-9	23	0
V$OTP_01	OTP	23	0	V$CEBPDELTA_Q6	C/EBPdelta	1	1	V$NKX32_02	Nkx3-2	23	0
V$OTX1_01	Otx1	23	0	V$EVI1_06	ectopic viral integration site 1 encoded factor	1	1	V$NKX3A_02	Nkx3A	23	0
V$OTX2_01	Otx2	23	0	V$GCNF_01	GCNF (germ cell nuclear factor)	1	1	V$NKX52_01	Nkx5-2	23	0
V$OTX3_01	Otx3	23	0	V$HIF2A_01	HIF-2alpha	1	1	V$NKX61_01	NKX6-1	23	0
V$P53_03	tumor suppressor p53	23	0	V$IK3_01	Ikaros 3	1	1	V$NKX62_Q2	NK related homeobox factor 6-2	23	0
V$PARP_Q3	PARP	23	0	V$MECP2_01	MECP2 b.s.	1	1	V$NKX63_01	Nkx6-3	23	0
V$PAX2_01	Pax-2	23	0	V$MEIS1BHOXA9_02	Meis-1b:HOXA9 heterodimeric binding	1	1	V$NRF1_Q6	nuclear respiratory factor 1	23	0
V$PAX6_02	pax6	23	0	V$NKX22_01	NK2 class homeobox factor 2	1	1	V$NRF2_01	nuclear respiratory factor 2	23	0
V$PAX7_01	Pax-7	23	0	V$RFX1_02	X-box binding protein RFX1	1	1	V$OBOX1_01	Obox1	23	0
V$PAX8_01	Pax-8 binding sites	23	0	V$SIX3_01	Six-3	1	1	V$OBOX2_01	Obox2	23	0
V$PBX1_01	Pbx-1	23	0	V$VDR_Q3	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	1	1	V$OBOX3_01	Obox3	23	0
V$PEA3_Q6	PEA3	23	0	V$ZABC1_01	ZABC1 b.s.	1	1	V$OBOX5_01	Obox5	23	0
V$PIT1_01	Pit-1	23	0	V$FOXP1_01	FOXP1	1	2	V$OBOX6_01	Obox6	23	0

V$PITX1_01	Pitx1	23	0	V$PARP_Q3	PARP	1	2	V$OCT1_03	octamer factor 1	23	0
V$PITX2_01	PITX2	23	0	MA0019.1	Ddit3::Cebpa	1	3	V$OCT2_01	2-Oct	23	0
V$PITX3_01	Pitx3	23	0	MA0006.1	Arnt::Ahr	0	1	V$OCT_Q6	Octamer	23	0
V$PKNOX2_01	PKNOX2	23	0	MA0017.1	NR2F1	0	1	V$OCTAMER_01	Octamer	23	0
V$PMX2A_01	PMX2A	23	0	MA0029.1	Evi1	0	1	V$OG2_02	OG-2	23	0
V$PMX2B_01	PMX2B	23	0	MA0032.1	FOXC1	0	1	V$OTP_01	OTP	23	0
V$POU2F3_01	POU2F3	23	0	MA0042.1	FOXI1	0	1	V$OTX1_01	Otx1	23	0
V$POU6F1_02	POU6F1	23	0	MA0051.1	IRF2	0	1	V$OTX2_01	Otx2	23	0
V$PREP1_01	PREP1	23	0	MA0062.2	GABPA	0	1	V$OTX3_01	Otx3	23	0
V$PROP1_02	Prop-1	23	0	MA0063.1	Nkx2-5	0	1	V$OTX_Q1	OTX	23	0
V$PSX1_01	PSX1	23	0	MA0074.1	RXRA::VDR	0	1	V$P53_03	tumor suppressor p53	23	0
V$PU1_Q4	PU.1	23	0	MA0076.1	ELK4	0	1	V$PARP_Q3	PARP	23	0
V$RAX_01	rax	23	0	MA0077.1	SOX9	0	1	V$PAX2_01	Pax-2	23	0
V$RHOX11_01	Rhox11	23	0	MA0084.1	SRY	0	1	V$PAX6_02	pax6	23	0
V$S8_02	S8	23	0	MA0087.1	Sox5	0	1	V$PAX7_01	Pax-7	23	0
V$SATB1_01	Consensus SATB1 Binding Sequence	23	0	MA0101.1	REL	0	1	V$PAX8_01	Pax-8 binding sites	23	0
V$SHOX2_01	Shox2	23	0	MA0115.1	NR1H2::RXRA	0	1	V$PBX1_01	Pbx-1	23	0
V$SIX1_01	Six-1	23	0	MA0131.1	MIZF	0	1	V$PEA3_Q6	PEA3	23	0
V$SIX2_01	Six-2	23	0	MA0132.1	Pdx1	0	1	V$PIT1_01	Pit-1	23	0
V$SIX3_01	Six-3	23	0	MA0158.1	HOXA5	0	1	V$PITX1_01	Pitx1	23	0
V$SIX4_01	six4	23	0	MA0160.1	NR4A2	0	1	V$PITX2_01	PITX2	23	0
V$SIX6_01	Six-6	23	0	MA0163.1	PLAG1	0	1	V$PITX3_01	Pitx3	23	0

V$SOX2_Q6	SOX2	23	0	MA0258.1	ESR2	0	1	V$PKNOX2_01	PKNOX2	23	0
V$SOX4_01	SOX4	23	0	MA0259.1	HIF1A::ARNT	0	1	V$PMX2A_01	PMX2A	23	0
V$SP1SP3_Q4	SP1:SP3	23	0	V$AHR_Q5	aryl hydrocarbon / dioxin receptor	0	1	V$PMX2B_01	PMX2B	23	0
V$SP2_01	SP2	23	0	V$AHRARNT_02	aryl hydrocarbon receptor:Arnt heterodimers, fixed core	0	1	V$POU1F1_Q6	POU1F1	23	0
V$SP4_Q5	SP4	23	0	V$ARX_01	Arx	0	1	V$POU2F3_01	POU2F3	23	0
V$SRY_01	sex-determining region Y gene product	23	0	V$ATF4_Q2	activating transcription factor 4	0	1	V$POU6F1_02	POU6F1	23	0
V$STAT1_02	signal transducer and activator of transcription 1	23	0	V$BCL6_01	BCL6	0	1	V$PREP1_01	PREP1	23	0
V$STAT1STAT1_Q3	STAT1:STAT1	23	0	V$BRACH_01	Brachyury	0	1	V$PROP1_02	Prop-1	23	0
V$STAT3_02	signal transducer and activator of transcription 3	23	0	V$BRF1_01	BRF-1	0	1	V$PSX1_01	PSX1	23	0
V$STAT4_01	signal transducer and activator of transcription 4	23	0	V$BSX_01	Bsx	0	1	V$PU1_Q4	PU.1	23	0
V$STAT5A_03	signal transducer and activator of transcription 5a	23	0	V$CART1_01	Cart-1 (cartilage homeoprotein 1)	0	1	V$PXRRXR_01	RXR half-site	23	0
V$STAT6_01	signal transducer and activator of transcription 6	23	0	V$CDP_02	transcriptional repressor CDP	0	1	V$RAX_01	rax	23	0
V$TATA_01	cellular and viral TATA box elements	23	0	V$CEBPB_01	CCAAT/enhancer binding protein beta	0	1	V$RHOX11_01	Rhox11	23	0

V$TCF4_01	TCF-4	23	0	V$COUP_01	COUP-TF, HNF-4	0	1	V$S8_02	S8	23	0
V$TEF_Q6	TEF	23	0	V$CPHX_01	Cphx	0	1	V$SAP1A_01	SAP-1a	23	0
V$TGIF2_01	TGIF2	23	0	V$CREBP1_01	cAMP-responsive element binding protein 1	0	1	V$SATB1_01	Consensus SATB1 Binding Sequence	23	0
V$TGIF_02	TGIF1	23	0	V$CREL_01	c-Rel	0	1	V$SHOX2_01	Shox2	23	0
V$TST1_01	POU-factor Tst-1/Oct-6	23	0	V$CRX_02	Crx	0	1	V$SIX1_01	Six-1	23	0
V$UNCX4.1_01	Uncx-4.1	23	0	V$DBP_Q6	DBP	0	1	V$SIX2_01	Six-2	23	0
V$VAX1_01	Vax-1	23	0	V$DLX2_01	Dlx-2	0	1	V$SIX3_01	Six-3	23	0
V$VAX2_01	Vax-2	23	0	V$DLX5_01	dlx5	0	1	V$SIX4_01	six4	23	0
V$VSX1_01	Vsx1	23	0	V$DOBOX4_01	Dobox4	0	1	V$SIX6_01	Six-6	23	0
V$ZFP206_01	Zfp206	23	0	V$DOBOX5_01	Dobox5	0	1	V$SOX2_Q6	SOX2	23	0
MA0143.1	Sox2	22	0	V$DUXL_01	Duxl	0	1	V$SOX4_01	SOX4	23	0
MA0151.1	ARID3A	22	0	V$E2F1_Q4_01	E2F-1	0	1	V$SOX_Q6	SOX	23	0
V$AP2_Q6	activator protein 2	22	0	V$E2F1DP1_01	E2F-1:DP-1 heterodimer	0	1	V$SP1SP3_Q4	SP1:SP3	23	0
V$BEN_01	BEN	22	0	V$E2F1DP2_01	E2F-1:DP-2 heterodimer	0	1	V$SP2_01	SP2	23	0
V$CEBPB_01	CCAAT/enhancer binding protein beta	22	0	V$E2F4DP1_01	E2F-4:DP-1 heterodimer	0	1	V$SP4_Q5	SP4	23	0
V$CEBPGAMMA_Q6	C/EBPgamma	22	0	V$E2F4DP2_01	E2F-4:DP-2 heterodimer	0	1	V$STAT1_02	signal transducer and activator of transcription 1	23	0
V$CHCH_01	Churchill	22	0	V$E2F6_01	E2F6	0	1	V$STAT1STAT1_Q3	STAT1:STAT1	23	0
V$DRI1_01	DRI1 b.s.	22	0	V$E2F_Q4	E2F	0	1	V$STAT3_02	signal transducer and	23	0

									activator of transcription 3		
V$EHF_01	EHF	22	0	V$EGR3_01	early growth response gene 3 product	0	1	V$STAT4_01	signal transducer and activator of transcription 4	23	0
V$FOXJ2_02	fork head box J 2	22	0	V$EMX2_01	EMX2	0	1	V$STAT5A_03	signal transducer and activator of transcription 5a	23	0
V$FOXO3A_Q1	FOXO3A	22	0	V$EN1_02	En-1	0	1	V$STAT6_01	signal transducer and activator of transcription 6	23	0
V$FOXO4_01	fork head box O4	22	0	V$EN2_01	En-2	0	1	V$TATA_01	cellular and viral TATA box elements	23	0
V$GABP_B	GA binding protein	22	0	V$EVX1_01	Evx-1	0	1	V$TCF4_01	TCF-4	23	0
V$HNF3B_01	Hepatocyte Nuclear Factor 3beta	22	0	V$EVX2_01	Evx2	0	1	V$TEF_Q6	TEF	23	0
V$IRF7_01	interferon regulatory factor 7	22	0	V$GATA1_01	GATA-binding factor 1	0	1	V$TGIF2_01	TGIF2	23	0
V$NFAT2_Q5	NF-AT2	22	0	V$GATA2_01	GATA-binding factor 2	0	1	V$TGIF_02	TGIF1	23	0
V$NFAT3_Q3	NFAT3	22	0	V$GATA3_02	GATA-binding factor 3	0	1	V$TST1_01	POU-factor Tst-1/Oct-6	23	0

V$NRF1_Q6	nuclear respiratory factor 1	22	0	V$GATA4_Q3	GATA-4	0	1	V$UNCX4.1_01	Uncx-4.1	23	0
V$OCT_Q6	Octamer	22	0	V$GATA_C	GATA binding site	0	1	V$VAX1_01	Vax-1	23	0
V$SOX_Q6	SOX	22	0	V$GBX1_01	Gbx1	0	1	V$VAX2_01	Vax-2	23	0
V$TR4_01	TR4	22	0	V$GBX2_01	Gbx2	0	1	V$VSX1_01	Vsx1	23	0
MA0040.1	Foxq1	21	0	V$GFI1_Q6	Gfi1	0	1	V$ZFP206_01	Zfp206	23	0
MA0050.1	IRF1	21	0	V$GSC_01	Gsc	0	1	MA0033.1	FOXL1	22	0
MA0063.1	Nkx2-5	21	0	V$GSH2_01	GSH2	0	1	MA0040.1	Foxq1	22	0
MA0139.1	CTCF	21	0	V$HB9_01	HB9	0	1	MA0050.1	IRF1	22	0
MA0152.1	NFATC2	21	0	V$HDX_01	Hdx	0	1	MA0143.1	Sox2	22	0
MA0156.1	FEV	21	0	V$HFH4_01	HFH4 (FOXJ1)	0	1	MA0158.1	HOXA5	22	0
V$BLIMP1_Q6	BLIMP1	21	0	V$HMBOX1_01	Hmbox1	0	1	V$BEN_01	BEN	22	0
V$COMP1_01	COMP1	21	0	V$HMEF2_Q6	myocyte enhancer factor	0	1	V$BRCA_01	BRCA1 containing protein complex with USF2	22	0
V$DMRT7_01	DMRT7	21	0	V$HMGIY_Q6	HMG IY	0	1	V$CEBPB_01	CCAAT/enhancer binding protein beta	22	0
V$EGR_Q6	Egr	21	0	V$HNF1_Q6	HNF1	0	1	V$COMP1_01	COMP1	22	0
V$FOXO3_01	fork head box O3	21	0	V$HNF4ALPHA_Q6	HNF4alpha	0	1	V$CREB_01	cAMP-responsive element binding protein	22	0
V$GKLF_02	GKLF (KLF4)	21	0	V$HOXA13_01	HOXA13 binding site	0	1	V$CREBATF_Q6	CREB, ATF	22	0
V$HELIOSA_02	Helios A	21	0	V$HOXA3_01	HOXA3 (homeobox cluster protein)	0	1	V$DMRT7_01	DMRT7	22	0

V$HFH1_01	HNF-3/Fkh Homolog 1	21	0	V$HOXA7_03	HOXA7	0	1	V$E2F1DP2_01	E2F-1:DP-2 heterodimer	22	0
V$HNF6_Q6	HNF6	21	0	V$HOXB3_01	HOXB3	0	1	V$E2F4DP2_01	E2F-4:DP-2 heterodimer	22	0
V$ICSBP_Q6	ICSBP	21	0	V$HOXB7_01	HOXB7	0	1	V$ETS_Q4	Ets	22	0
V$ISRE_01	interferon-stimulated response element	21	0	V$HP1SITEFACTOR_Q6	HP1 site factor	0	1	V$FAC1_01	fetal Alz-50 clone 1	22	0
V$NANOG_02	Nanog	21	0	V$IK2_01	Ikaros 2	0	1	V$FLI1_Q6	FLI1	22	0
V$OCT4_01	Sox2-Oct4 joint motif, in silico predicted	21	0	V$ING4_01	ING4	0	1	V$FOXJ2_02	fork head box J 2	22	0
V$POU1F1_Q6	POU1F1	21	0	V$IRF1_Q6	IRF-1	0	1	V$FOXO1_02	fork head box O1	22	0
V$PXRRXR_01	RXR half-site	21	0	V$IRF3_Q3	IRF3	0	1	V$GABP_B	GA binding protein	22	0
V$SIRT6_01	SIRT6	21	0	V$IRF7_01	interferon regulatory factor 7	0	1	V$GATA4_Q3	GATA-4	22	0
V$ZFP281_01	Zfp281	21	0	V$IRF_Q6_01	IRF	0	1	V$HELIOSA_02	Helios A	22	0
V$ALPHACP1_01	alpha-CP1	20	0	V$IRX2_01	Irx2	0	1	V$HFH1_01	HNF-3/Fkh Homolog 1	22	0
V$AP1_Q6	activator protein 1	20	0	V$IRX3_02	Irx-3	0	1	V$ICSBP_Q6	ICSBP	22	0
V$CREB_01	cAMP-responsive element binding protein	20	0	V$IRX4_01	IRX4	0	1	V$NFAT1_Q6	NFAT1	22	0
V$CREBP1CJUN_0	CRE-binding protein 1:c-Jun	20	0	V$IRX5_01	Irx5	0	1	V$NFAT2_Q5	NF-AT2	22	0

1	heterodimer										
V$E2F1DP1_01	E2F-1:DP-1 heterodimer	20	0	V$IRXB3_01	IRXB3	0	1	V$OCT4_01	Sox2-Oct4 joint motif, in silico predicted	22	0
V$E2F_Q2	E2F	20	0	V$ISL1_Q6	ISL1	0	1	V$RNF96_01	RNF96	22	0
V$FAC1_01	fetal Alz-50 clone 1	20	0	V$K2B_01	K-2b	0	1	V$STAT3STAT3_Q3	STAT3:STAT3	22	0
V$FOXO1_01	fork head box O1	20	0	V$KROX_Q6	KROX	0	1	V$YY1_01	Yin and Yang 1	22	0
V$FPM315_01	Zinc finger protein FPM315 with KRAB and SCAN domains	20	0	V$LH2_01	LH-2	0	1	MA0152.1	NFATC2	21	0
V$GAF_Q6	GAF	20	0	V$LHX3_01	LIM homeobox transcription factor 3	0	1	MA0156.1	FEV	21	0
V$GATA4_Q3	GATA-4	20	0	V$LHX4_01	Lhx4	0	1	I$ANTP_Q6_01	Antp	21	0
V$GFI1_01	growth factor independence 1	20	0	V$LHX61_01	lhx6.1	0	1	V$AFP1_Q6	AFP1	21	0
V$HBP1_Q2	hbp1	20	0	V$LHX9_01	Lhx9	0	1	V$ALPHACP1_01	alpha-CP1	21	0
V$HNF3ALPHA_Q6	HNF3alpha	20	0	V$LXR_Q3	LXR	0	1	V$AREB6_04	AREB6 (Atp1a1 regulatory element binding factor 6)	21	0
V$RNF96_01	RNF96	20	0	V$MEF2_01	myogenic enhancer factor 2	0	1	V$CHCH_01	Churchill	21	0
V$UF1H3BETA_Q6	UF1H3BETA	20	0	V$MRF2_01	modulator recognition factor 2	0	1	V$EGR_Q6	Egr	21	0
MA0046.1	HNF1A	19	0	V$NFKAPPAB50_01	NF-kappaB (p50)	0	1	V$ETS2_Q6	ETS2	21	0

MA0158.1	HOXA5	19	0	V$NKX12_01	Nkx1-2	0	1	V$FREAC2_01	Fork head RElated ACtivator -2	21	0
I$ANTP_Q6_01	Antp	19	0	V$NKX21_01	Nkx2-1	0	1	V$GAF_Q6	GAF	21	0
V$AFP1_Q6	AFP1	19	0	V$NKX26_01	Nkx2-6	0	1	V$GATA3_03	GATA-binding factor 3	21	0
V$CREBATF_Q6	CREB, ATF	19	0	V$NKX32_02	Nkx3-2	0	1	V$ISRE_01	interferon-stimulated response element	21	0
V$OTX_Q1	OTX	19	0	V$NKX3A_01	NK class homeobox factor 3A	0	1	V$POU3F2_02	POU3F2	21	0
V$SAP1A_01	SAP-1a	19	0	V$NKX52_01	Nkx5-2	0	1	V$SIRT6_01	SIRT6	21	0
V$TAL1_01	Tal-1 (Scl)	19	0	V$NRSE_B	neural-restrictive-silencer-element	0	1	MA0018.2	CREB1	20	0
V$TEL2_Q6	Tel-2	19	0	V$OBOX3_01	Obox3	0	1	MA0046.1	HNF1A	20	0
V$TFIIA_Q6	TFIIA	19	0	V$OBOX5_01	Obox5	0	1	MA0139.1	CTCF	20	0
MA0038.1	Gfi	18	0	V$OBOX6_01	Obox6	0	1	V$ATF_B	ATF binding site	20	0
MA0135.1	Lhx3	18	0	V$OCT2_01	2-Oct	0	1	V$BLIMP1_Q6	BLIMP1	20	0
V$ATF_B	ATF binding site	18	0	V$OCT_Q6	Octamer	0	1	V$CREBP1_Q2	CRE-binding protein 1	20	0
V$FRA1_Q5	FRA1	18	0	V$OG2_02	OG-2	0	1	V$E2F1DP1RB_01	Rb:E2F-1:DP-1 trimeric complex	20	0
V$FREAC2_01	Fork head RElated ACtivator-2	18	0	V$OTX1_01	Otx1	0	1	V$E2F4DP1_01	E2F-4:DP-1 heterodimer	20	0

V$PTF1BETA_Q6	PTF1-beta	18	0	V$OTX2_01	Otx2	0	1	V$GFI1_01	growth factor independence 1	20	0
V$STAT3STAT3_Q3	STAT3:STAT3	18	0	V$PAX1_B	Pax-1 binding sites	0	1	V$STAT_01	signal transducers and activators of transcription	20	0
V$STAT_01	signal transducers and activators of transcription	18	0	V$PAX5_02	B-cell-specific activating protein	0	1	V$TFIIA_Q6	TFIIA	20	0
V$YY1_01	Yin and Yang 1	18	0	V$PBX1_01	Pbx-1	0	1	V$UF1H3BETA_Q6	UF1H3BETA	20	0
MA0027.1	En1	17	0	V$PITX1_01	Pitx1	0	1	V$ZF5_01	ZF5	20	0
MA0030.1	FOXF2	17	0	V$PITX3_01	Pitx3	0	1	MA0030.1	FOXF2	19	0
MA0033.1	FOXL1	17	0	V$PMX2A_01	PMX2A	0	1	MA0038.1	Gfi	19	0
MA0142.1	Pou5f1	17	0	V$PNR_01	PNR	0	1	MA0075.1	Prrx2	19	0
V$E2F1DP2_01	E2F-1:DP-2 heterodimer	17	0	V$POU2F3_01	POU2F3	0	1	MA0135.1	Lhx3	19	0
V$E2F4DP2_01	E2F-4:DP-2 heterodimer	17	0	V$POU3F2_01	POU3F2	0	1	V$ATF1_Q6	ATF1	19	0
V$ESE1_Q3	ESE1	17	0	V$POU6F1_02	POU6F1	0	1	V$ATF3_Q6	activating transcription factor 3	19	0
V$GATA3_03	GATA-binding factor 3	17	0	V$PSX1_01	PSX1	0	1	V$FOX_Q2	FOX factors	19	0
V$SMAD1_01	SMAD1	17	0	V$PXRRXR_01	RXR half-site	0	1	V$HNF3ALPHA_Q6	HNF3alpha	19	0
V$TFEB_01	TFEB	17	1	V$RAX_01	rax	0	1	V$IRF8_Q6	IRF8	19	0
MA0051.1	IRF2	16	0	V$RSRFC4_01	related to serum response factor, C4	0	1	V$POU5F1_01	POU5F1 b.s.	19	0

MA0056.1	MZF1_1-4	16	0	V$S8_02	S8	0	1	V$SMAD1_01	SMAD1	19	0
V$AREB6_04	AREB6 (Atp1a1 regulatory element binding factor 6)	16	0	V$SAP1A_01	SAP-1a	0	1	V$TR4_01	TR4	19	0
V$ATF3_Q6	activating transcription factor 3	16	0	V$SF1_Q6	SF1	0	1	MA0051.1	IRF2	18	0
V$BRCA_01	BRCA1 containing protein complex with USF2	16	0	V$SREBP1_01	sterol regulatory element-binding protein 1	0	1	V$AIRE_01	AIRE	18	0
V$CIZ_01	CIZ (Cas-associated zinc finger protein)	16	0	V$STAT1_01	signal transducer and activator of transcription 1	0	1	V$CIZ_01	CIZ (Cas-associated zinc finger protein)	18	0
V$FREAC3_01	Fork head RElated ACtivator-3	16	0	V$TAXCREB_01	Tax/CREB complex	0	1	V$FOXD3_01	fork head box D3	18	0
V$IRF8_Q6	IRF8	16	0	V$TCF3_01	TCF-3	0	1	V$HSF2_01	heat shock factor 2	18	0
V$NERF_Q2	new ets-related factor 1a	16	0	V$TCF4_01	TCF-4	0	1	V$PTF1BETA_Q6	PTF1-beta	18	0
V$POU3F2_02	POU3F2	16	0	V$TTF1_Q6	TTF-1 (Nkx2-1)	0	1	V$SOX5_01	Sox-5	18	0
MA0031.1	FOXD1	15	0	V$VAX1_01	Vax-1	0	1	V$SOX9_B1	SOX (SRY-related HMG box)	18	0
MA0144.1	Stat3	15	0	V$VAX2_01	Vax-2	0	1	V$TEL2_Q6	Tel-2	18	0
V$AIRE_01	AIRE	15	0	V$VDRRXR_01	VDR:RXR	0	1	V$TFEB_01	TFEB	18	0
V$CEBPE_01	cebpe	15	0	V$YY2	YY2	0	1	V$ZFP281_01	Zfp281	18	0

V$FOXD3_01	fork head box D3	15	0	V$ZF5_B	ZF5 binding sites	0	1	V$ZNF333_01	ZNF333	18	0
V$SOX9_B1	SOX (SRY-related HMG box)	15	0	V$ZNF219_01	ZNF219	0	1	V$FREAC3_01	Fork head RElated ACtivator -3	17	0
V$AR_Q6	half-site matrix	14	0	V$ZNF333_01	ZNF333	0	1	V$VBP_01	PAR-type chicken vitellogenin promoter-binding protein	17	0
V$ATF1_Q6	ATF1	14	0	VS$HMGA2_01	HMGA2 binding site	0	1	MA0031.1	FOXD1	16	0
V$CREBP1_Q2	CRE-binding protein 1	14	0	MA0040.1	Foxq1	0	2	MA0125.1	Nobox	16	0
V$DMRT4_01	DMRT4	14	0	MA0046.1	HNF1A	0	2	V$ISL1_Q6	ISL1	16	0
V$HFH8_01	HNF-3/Fkh Homolog-8	14	0	MA0135.1	Lhx3	0	2	V$MRF2_01	modulator recognition factor 2	16	0
V$HMEF2_Q6	myocyte enhancer factor	14	0	MA0151.1	ARID3A	0	2	V$RSRFC4_Q2	RSRFC4	16	0
V$HSF_Q6	HSF	14	0	V$AIRE_02	AIRE	0	2	V$STAF_01	Se-Cys tRNA gene transcription activating factor	16	0
V$PLZF_02	PLZF	14	0	V$ALX3_01	ALX-3	0	2	V$STRA13_01	Stra13	16	0
V$RSRFC4_Q2	RSRFC4	14	0	V$BARHL2_01	Barhl2	0	2	MA0041.1	Foxd3	15	0
V$SOX5_01	Sox-5	14	0	V$BARX2_01	Barx-2	0	2	V$AR_Q2	androgen receptor	15	0
V$STAF_01	Se-Cys tRNA gene transcription	14	0	V$BRN3C_01	Brn-3c	0	2	V$CEBPE_01	cebpe	15	0

	activating factor										
MA0018.2	CREB1	13	0	V$BRN4_01	Brn-4	0	2	V$GATA_C	GATA binding site	15	0
V$FOX_Q2	FOX factors	13	0	V$CDX2_01	Cdx-2	0	2	V$GR_Q6	glucocorticoid receptor	15	0
V$HNF3A_01	FOXA1	13	0	V$CDX_Q5	Cdx	0	2	V$HFH8_01	HNF-3/Fkh Homolog-8	15	0
V$IK1_01	Ikaros 1	13	0	V$DBX2_01	Dbx-2	0	2	V$HMEF2_Q6	myocyte enhancer factor	15	0
V$STRA13_01	Stra13	13	0	V$DLX1_01	Dlx-1	0	2	V$HSF1_01	heat shock factor 1	15	0
V$WT1_Q6	WT1	13	0	V$DLX3_01	dlx3	0	2	V$HSF_Q6	HSF	15	0
V$AP1FJ_Q2	activator protein 1	12	0	V$DLX7_01	Dlx7	0	2	V$PLZF_02	PLZF	15	0
V$ATF5_01	ATF5 binding site	12	0	V$ESX1_01	Esx1	0	2	MA0025.1	NFIL3	14	0
V$E2F1DP1RB_01	Rb:E2F-1:DP-1 trimeric complex	12	0	V$ETF_Q6	ETF	0	2	MA0093.1	USF1	14	0
V$FOXJ3_01	foxj3	12	0	V$FAC1_01	fetal Alz-50 clone 1	0	2	MA0101.1	REL	14	0
V$GATA_C	GATA binding site	12	0	V$FOXD3_01	fork head box D3	0	2	MA0142.1	Pou5f1	14	0
V$GR_Q6	glucocorticoid receptor	12	0	V$FOXO3A_Q1	FOXO3A	0	2	V$AP2GAMMA_01	AP-2gamma	14	0
V$HSF2_01	heat shock factor 2	12	0	V$GADP_01	Growth-associated binding protein	0	2	V$CREL_01	c-Rel	14	0
V$MZF1_01	MZF1	12	0	V$HMX3_02	Nkx5-1	0	2	V$DMRT4_01	DMRT4	14	0
V$NFKB_Q6_01	NF-kappaB	12	0	V$HNF3_Q6	HNF3	0	2	V$EFC_Q6	RFX1 (EF-C)	14	0

V$RFX1_02	X-box binding protein RFX1	12	0	V$HNF6_Q6	HNF6	0	2	V$FPM315_01	Zinc finger protein FPM315 with KRAB and SCAN domains	14	0
MA0041.1	Foxd3	11	0	V$HOMEZ_01	Homez	0	2	MA0004.1	Arnt	13	0
V$AP2GAMMA_01	AP-2gamma	11	0	V$HOX13_02	HOXA5	0	2	MA0109.1	Hltf	13	0
V$E2F4DP1_01	E2F-4:DP-1 heterodimer	11	0	V$HOXA11_01	HOXA11	0	2	V$ESE1_Q3	ESE1	13	0
V$EFC_Q6	RFX1 (EF-C)	11	0	V$HOXA1_01	HOXA1	0	2	V$RFX1_02	X-box binding protein RFX1	13	0
V$ISL1_Q6	ISL1	11	0	V$HOXA2_01	HoxA2	0	2	V$RUSH1A_02	RUSH-1alpha	13	0
V$KLF15_Q2	KLF15	11	0	V$HOXA4_01	HOXA4	0	2	V$USF_01	upstream stimulating factor	13	0
V$LBP1_Q6	LBP-1	11	0	V$HOXA6_01	HOXA6	0	2	V$TCF3_01	TCF-3	13	1
V$MRF2_01	modulator recognition factor 2	11	0	V$HOXA9_01	hoxa9	0	2	V$FOXJ3_01	foxj3	12	0
V$NEUROD_02	NeuroD	11	0	V$HOXB4_01	HOXB4	0	2	V$HNF4_01	hepatic nuclear factor 4	12	0
V$NFE2_01	NF-E2 p45	11	0	V$HOXB5_01	HoxB5	0	2	V$STAT5B_01	signal transducer and activator of transcription 5b	12	0
V$TCF3_01	TCF-3	11	2	V$HOXB6_01	HOXB6	0	2	V$WHN_B	winged-helix factor nude	12	0

MA0101.1	REL	10	0	V$HOXB9_01	HOXB9	0	2	MA0003.1	TFAP2A	11	0
V$EAR2_Q2	EAR2	10	0	V$HOXC10_01	HOXC10	0	2	MA0087.1	Sox5	11	0
V$NFKAPPAB65_01	NF-kappaB (p65)	10	0	V$HOXC11_01	HOXC11	0	2	V$AP2ALPHA_01	AP-2alpha	11	0
V$RFX3_01	RFX3 dimer	10	0	V$HOXC12_01	HOXC12	0	2	V$E4BP4_01	E4BP4	11	0
V$STAT5B_01	signal transducer and activator of transcription 5b	10	0	V$HOXC13_01	HOXC13	0	2	V$EAR2_Q2	EAR2	11	0
MA0047.2	Foxa2	9	0	V$HOXC5_01	HOXC5	0	2	V$GATA1_05	GATA-binding factor 1	11	0
MA0107.1	RELA	9	0	V$HOXC6_01	HOXC6	0	2	V$HLF_01	hepatic leukemia factor	11	0
MA0125.1	Nobox	9	0	V$HOXC8_01	HOXC-8	0	2	V$IK1_01	Ikaros 1	11	0
V$HNF4_01	hepatic nuclear factor 4	9	0	V$HOXC9_01	HOXC9	0	2	V$MECP2_02	MECP2 b.s.	11	0
V$LEF1_Q2_01	LEF1	9	0	V$HOXD12_01	HOXD12	0	2	V$RFX3_01	RFX3 dimer	11	0
V$NF1_Q6_01	NF-1	9	0	V$HOXD1_01	HOXD1	0	2	MA0014.1	Pax5	10	0
V$USF_01	upstream stimulating factor	9	0	V$HOXD3_01	HOXD3	0	2	MA0042.1	FOXI1	10	0
V$ZABC1_01	ZABC1 b.s.	9	0	V$HOXD8_01	HOXD8	0	2	MA0052.1	MEF2A	10	0
MA0003.1	TFAP2A	8	0	V$ISL2_01	Isl2	0	2	MA0058.1	MAX	10	0
MA0042.1	FOXI1	8	0	V$MMEF2_Q6	myocyte enhancer factor	0	2	MA0124.1	NKX3-1	10	0
MA0052.1	MEF2A	8	0	V$MOX1_01	Mox1	0	2	V$CEBPDELTA_Q6	C/EBPdelta	10	0
MA0087.1	Sox5	8	0	V$MSX1_02	Msx-1	0	2	V$DMRT5_01	DMRT5	10	0
MA0109.1	Hltf	8	0	V$MSX3_01	Msx-3	0	2	V$FOXM1_01	FOXM1	10	0

MA0148.1	FOXA1	8	0	V$NCX_02	Ncx	0	2	V$FREAC4_01	Fork head RElated ACtivator -4	10	0
V$AP2ALPHA_01	AP-2alpha	8	0	V$NKX24_01	Nkx2-4	0	2	V$KLF15_Q2	KLF15	10	0
V$CEBPDELTA_Q6	C/EBPdelta	8	0	V$NKX25_03	NKX25	0	2	V$NERF_Q2	new ets-related factor 1a	10	0
V$EBF_Q6	EBF	8	0	V$NKX61_01	NKX6-1	0	2	V$ZFX_01	Zfx	10	0
V$GATA1_06	GATA-binding factor 1	8	0	V$NKX63_01	Nkx6-3	0	2	MA0006.1	Arnt::Ahr	9	0
V$HNF4ALPHA_Q6	HNF4alpha	8	0	V$OBOX1_01	Obox1	0	2	MA0107.1	RELA	9	0
V$HSF1_01	heat shock factor 1	8	0	V$OBOX2_01	Obox2	0	2	MA0144.1	Stat3	9	0
V$MAZR_01	MAZ related factor	8	0	V$OCT4_01	Sox2-Oct4 joint motif, in silico predicted	0	2	MA0162.1	Egr1	9	0
V$RUSH1A_02	RUSH-1alpha	8	0	V$OCTAMER_01	Octamer	0	2	V$ATF5_01	ATF5 binding site	9	0
V$SRF_Q5_02	SRF	8	0	V$OTP_01	OTP	0	2	V$HNF3A_01	FOXA1	9	0
V$ZNF333_01	ZNF333	8	0	V$PAX4_05	Pax-4	0	2	V$HNF4ALPHA_Q6	HNF4alpha	9	0
MA0004.1	Arnt	7	0	V$PAX6_02	pax6	0	2	V$HTF_01	HTF	9	0
MA0025.1	NFIL3	7	0	V$PIT1_01	Pit-1	0	2	V$NFKB_Q6_01	NF-kappaB	9	0
MA0055.1	Myf	7	0	V$PMX2B_01	PMX2B	0	2	V$RBPJK_01	RBP-Jkappa	9	0
MA0093.1	USF1	7	0	V$PROP1_02	Prop-1	0	2	V$REX1_03	REX1	9	0
V$E4BP4_01	E4BP4	7	0	V$RNF96_01	RNF96	0	2	V$WT1_Q6	WT1	9	0
V$HFH3_01	HFH-3 (HNF3/fork head homolog	7	0	V$SHOX2_01	Shox2	0	2	V$ZABC1_01	ZABC1 b.s.	9	0

	3)										
V$RBPJK_Q4	RBP-Jkappa	7	0	V$TRF1_01	TRF1	0	2	MA0047.2	Foxa2	8	0
V$REX1_03	REX1	7	0	V$TST1_02	6-Oct	0	2	V$CHX10_01	CHX10	8	0
V$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	7	0	V$UNCX4.1_01	Uncx-4.1	0	2	V$DMRT3_01	DMRT3	8	0
V$VBP_01	PAR-type chicken vitellogenin promoter-binding protein	7	0	V$VSX1_01	Vsx1	0	2	V$E4F1_Q6	E4F1	8	0
MA0075.1	Prrx2	7	1	MA0033.1	FOXL1	0	3	V$LEF1_Q2_01	LEF1	8	0
MA0014.1	Pax5	6	0	MA0041.1	Foxd3	0	3	V$TAL1_01	Tal-1 (Scl)	8	0
V$BACH2_01	BTB and CNC homolog 2	6	0	V$CDX1_01	Cdx-1	0	3	MA0088.1	znf143	7	0
V$CHX10_01	CHX10	6	0	V$CEBPGAMMA_Q6	C/EBPgamma	0	3	MA0148.1	FOXA1	7	0
V$CREL_01	c-Rel	6	0	V$CNOT3_01	CNOT3	0	3	V$HFH3_01	HFH-3 (HNF3/fork head homolog 3)	7	0
V$DMRT2_01	DMRT2	6	0	V$DRI1_01	DRI1 b.s.	0	3	V$NFKAPPAB65_01	NF-kappaB (p65)	7	0
V$DMRT3_01	DMRT3	6	0	V$FOX_Q2	FOX factors	0	3	V$NFMUE1_Q6	NF-muE1	7	0
V$DMRT5_01	DMRT5	6	0	V$HB24_01	HB24	0	3	V$PAX3_B	Pax-3 binding sites	7	0
V$MECP2_02	MECP2 b.s.	6	0	V$HFH1_01	HNF-3/Fkh Homolog 1	0	3	MA0132.1	Pdx1	7	1
V$TCF11MAFG_01	TCF11:MafG heterodimers	6	0	V$HOXB13_01	HOXB13	0	3	MA0029.1	Evi1	6	0
V$FOXM1_01	FOXM1	6	1	V$HOXB8_01	HOXB8	0	3	V$CLOCKBMA	CLOCK:B	6	0

								L_Q6	MAL		
MA0162.1	Egr1	5	0	V$HOXC4_01	HOXC4	0	3	V$DMRT2_01	DMRT2	6	0
MA0164.1	Nr2e3	5	0	V$HOXD11_01	HOXD11	0	3	V$GATA2_02	GATA-binding factor 2	6	0
V$BACH1_01	BTB and CNC homolog 1	5	0	V$LBX2_01	Lbx2	0	3	V$TCF11_01	TCF11/KCR-F1/Nrf1 homodimers	6	0
V$GATA2_03	GATA-binding factor 2	5	0	V$LHX5_01	Lhx5	0	3	MA0067.1	Pax2	5	0
V$LEF1TCF1_Q4	LEF1, TCF1	5	0	V$NKX29_01	Nkx2-9	0	3	MA0140.1	Tal1::Gata1	5	0
V$MAX_01	Max	5	0	V$NKX62_Q2	NK related homeobox factor 6-2	0	3	V$GATA6_01	GATA-6	5	0
V$MEIS1BHOXA9_02	Meis-1b:HOXA9 heterodimeric binding	5	0	V$PAX7_01	Pax-7	0	3	V$MEIS1BHOXA9_02	Meis-1b:HOXA9 heterodimeric binding	5	0
V$MIF1_01	MIBP-1 / RFX1 complex	5	0	MA0052.1	MEF2A	0	4	V$MYB_Q5_01	MYB	5	0
V$P50RELAP65_Q5_01	P50:RELA-P65	5	0	V$AMEF2_Q6	myocyte enhancer factor	0	4	V$NF1_Q6_01	NF-1	5	0
V$WHN_B	winged-helix factor nude	5	0	V$DBX1_01	Dbx-1	0	4	V$PR_01	high affinity binding sites for progesterone receptor	5	0
V$ZF5_01	ZF5	5	0	V$HOXA10_01	HOXA10	0	4	V$SRF_Q4	SRF	5	0
MA0029.1	Evi1	4	0	V$HOXD10_01	HOXD10	0	4	V$TCF11MAFG_01	TCF11:MafG heterodimers	5	0

MA0043.1	HLF	4	0	V$HOXD13_01	HOXD13	0	4	MA0056.1	MZF1_1-4	4	0
MA0088.1	znf143	4	0	V$LIM1_01	Lim-1	0	4	V$AP1_Q2	activator protein 1	4	0
MA0140.1	Tal1::Gata1	4	0	V$LMX1_01	Lmx-1	0	4	V$LEF1TCF1_Q4	LEF1, TCF1	4	0
V$FREAC4_01	Fork head RElated ACtivator-4	4	0	V$LMX1B_01	lmx1b	0	4	V$MAZR_01	MAZ related factor	4	0
V$GATA6_01	GATA-6	4	0	V$SATB1_01	Consensus SATB1 Binding Sequence	0	4	V$MIF1_01	MIBP-1 / RFX1 complex	4	0
V$HTF_01	HTF	4	0	MA0075.1	Prrx2	0	5	V$MYCMAX_03	c-Myc:Max heterodimer	4	0
V$MAF_Q6	MAF	4	0	I$ANTP_Q6_01	Antp	0	5	V$MZF1_01	MZF1	4	0
V$MYCMAX_03	c-Myc:Max heterodimer	4	0	V$GTF2IRD1_01	GTF2IRD1-isoform2	0	5	V$NRSE_B	neural-restrictive-silencer-element	4	0
V$NFMUE1_Q6	NF-muE1	4	0	V$LUN1_01	LUN-1	0	5	V$RELBP52_01	kappaB site	4	0
V$NRSF_01	neuron-restrictive silencer factor	4	0	V$BDP1_01	BDP1	0	6	MA0017.1	NR2F1	3	0
V$OLF1_01	olfactory neuron-specific factor	4	0	V$MEF2C_01	MEF-2C	0	6	MA0061.1	NF-kappaB	3	0
V$PR_02	progesterone receptor	4	0	V$ERALPHA_01	2 ERE half-sites with a 3bp spacer within	0	7	MA0115.1	NR1H2::RXRA	3	0
V$SP3_Q3	Sp3	4	0	V$RPC155_01	RPC155	0	7	MA0164.1	Nr2e3	3	0
V$CACBINDINGPROTEIN_Q6	CAC-binding protein	4	3	V$PITX2_Q2	pituitary homeobox factor 2	0	9	V$AP1FJ_Q2	activator protein 1	3	0
MA0006.1	Arnt::Ahr	3	0					V$ATF4_Q2	activating transcription factor	3	0

MA0061.1	NF-kappaB	3	0
MA0114.1	HNF4A	3	0
MA0138.2	REST	3	0
F$AMT1_Q2	AMT1	3	0
V$DR1_Q3	Direct repeat 1	3	0
V$LTF_Q6	LTF	3	0
V$MYB_Q6	c-Myb	3	0
V$NFKAPPAB_01	NF-kappaB	3	0
V$P50P50_Q3	P50:P50	3	0
V$ZFX_01	Zfx	3	0
MA0017.1	NR2F1	2	0
MA0035.2	Gata1	2	0
MA0057.1	MZF1_5-13	2	0

	4		
V$ATF6_01	activating transcription factor 6	3	0
V$CDPCR3_01	cut-like homeodomain protein	3	0
V$COUP_01	COUP-TF, HNF-4	3	0
V$DEAF1_02	DEAF1	3	0
V$EGR2_01	Egr-2/Krox-20 early growth response gene product	3	0
V$GFI1B_01	Gfi1b	3	0
V$MEIS1AHOXA9_01	Meis-1a:HOXA9 heterodimeric binding	3	0
V$MIZF_01	MIZF	3	0
V$NFKAPPAB_01	NF-kappaB	3	0
V$NGFIC_01	nerve growth factor-induced protein C	3	0
V$PBX_Q3	Pbx	3	0
V$RXRLXRB_01	RXR:LXR-beta	3	0
V$SOX17_01	half-site	3	0

MA0124.1	NKX3-1	2	0
V$COUP_01	COUP-TF, HNF-4	2	0
V$E4F1_Q6	E4F1	2	0
V$EGR3_01	early growth response gene 3 product	2	0
V$FOXP1_01	FOXP1	2	0
V$GFI1B_01	Gfi1b	2	0
V$HFH4_01	HFH4 (FOXJ1)	2	0
V$MEIS1AHOXA9_01	Meis-1a:HOXA9 heterodimeric binding	2	0
V$MYOGNF1_01	myogenin / nuclear factor 1 or related factors	2	0
V$NGFIC_01	nerve growth factor-induced protein C	2	0
V$NRSE_B	neural-restrictive-silencer-element	2	0
V$P63_01	p63	2	0
V$PAX3_B	Pax-3 binding sites	2	0

V$TITF1_Q3	TTF-1, TITF1 (thyroid transcription factor 1)	3	0
V$XBP1_01	X-box-binding protein 1	3	0
VS$HMGA2_01	HMGA2 binding site	3	0
V$LBP1_Q6	LBP-1	3	1
MA0035.2	Gata1	2	0
MA0059.1	MYC::MAX	2	0
MA0114.1	HNF4A	2	0
MA0138.2	REST	2	0
V$AP3_Q6	AP-3	2	0
V$DAX1_01	Dax1	2	0
V$EGR3_01	early growth response gene 3 product	2	0
V$FOXP1_01	FOXP1	2	0
V$HFH4_01	HFH4 (FOXJ1)	2	0

V$PBX_Q3	Pbx	2	0
V$PPARG_01	PPAR-gamma (peroxisome proliferator-activated receptor gamma)	2	0
V$RELBP52_01	kappaB site	2	0
V$TITF1_Q3	TTF-1, TITF1 (thyroid transcription factor 1)	2	0
V$XBP1_01	X-box-binding protein 1	2	0
V$ZNF219_01	ZNF219	2	0
MA0132.1	Pdx1	2	1
V$HAND1E47_01	Hand1:E47 heterodimer	2	1
V$SMAD3_Q6	SMAD3	2	1
V$TFIII_Q6	TFII-I	2	2
V$RPC155_01	RPC155	2	18
V$IK_Q5	Ikaros	2	20
MA0007.1	Ar	1	0
MA0048.1	NHLH1	1	0
MA0059.1	MYC::MAX	1	0

V$LTF_Q6	LTF	2	0
V$NRSF_01	neuron-restrictive silencer factor	2	0
V$OLF1_01	olfactory neuron-specific factor	2	0
V$P50RELAP65_Q5_01	P50:RELA-P65	2	0
V$PNR_01	PNR	2	0
V$FXR_IR1_Q6	FXR inverted repeat 1	2	1
V$PPARA_01	PPAR:RXR heterodimers	2	1
MA0007.1	Ar	1	0
MA0048.1	NHLH1	1	0
MA0057.1	MZF1_5-13	1	0
MA0069.1	Pax6	1	0
MA0104.2	Mycn	1	0
MA0147.1	Myc	1	0
V$BRACH_01	Brachyury	1	0
V$CDPCR1_01	cut-like homeodomain	1	0

MA0067.1	Pax2	1	0
MA0069.1	Pax6	1	0
MA0072.1	RORA_2	1	0
MA0090.1	TEAD1	1	0
MA0104.2	Mycn	1	0
MA0115.1	NR1H2::RXRA	1	0
MA0154.1	EBF1	1	0
V$AP3_Q6	AP-3	1	0
V$AP4_01	activator protein 4	1	0
V$CDPCR3_01	cut-like homeodomain protein	1	0
V$CLOCKBMAL_Q6	CLOCK:BMAL	1	0
V$CMAF_02	C-MAF	1	0
V$DAX1_01	Dax1	1	0

	protein		
V$CMYC_02	c-Myc heterodimer (with a 26-29 kDa factor)	1	0
V$EBF_Q6	EBF	1	0
V$FRA1_Q5	FRA1	1	0
V$GZF1_01	plays a role in renal branching morphogenesis	1	0
V$HAND1E47_01	Hand1:E47 heterodimer	1	0
V$HIF2A_01	HIF-2alpha	1	0
V$MAF_Q6	MAF	1	0
V$MTF1_01	MTF1	1	0
V$NFKAPPAB50_01	NF-kappaB (p50)	1	0
V$NUR77_Q5	NUR77	1	0
V$P50P50_Q3	P50:P50	1	0
V$PAX1_B	Pax-1 binding sites	1	0
V$PPARG_01	PPAR-gamma (peroxiso	1	0

V$DEAF1_02	DEAF1	1	0
V$EGR2_01	Egr-2/Krox-20 early growth response gene product	1	0
V$FXR_IR1_Q6	FXR inverted repeat 1	1	0
V$GZF1_01	plays a role in renal branching morphogenesis	1	0
V$HEN1_02	HEN1	1	0
V$IK3_01	Ikaros 3	1	0
V$MIZF_01	MIZF	1	0
V$NFKAPPAB50_01	NF-kappaB (p50)	1	0
V$NMYC_01	N-Myc	1	0
V$PAX1_B	Pax-1 binding sites	1	0
V$PNR_01	PNR	1	0
V$PPARA_01	PPAR:RXR heterodimers	1	0
V$RORA2_01	RAR-related orphan receptor	1	0

	me proliferator-activated receptor gamma)		
V$PXR_Q2	half-site matrix	1	0
V$RXRG_01	RXRG dimer	1	0
V$TAXCREB_02	Tax/CREB complex	1	0
V$ZNF219_01	ZNF219	1	0
MA0150.1	NFE2L2	1	1
MA0442.1	SOX10	1	1
F$AMT1_Q2	AMT1	1	1
V$RORA1_01	RAR-related orphan receptor alpha1	1	1
V$TBX18_01	T-box 18	1	1
MA0090.1	TEAD1	1	2
V$AHRHIF_Q6	AhR, Arnt, HIF-1	1	2
V$P300_01	p300	1	6
V$RPC155_01	RPC155	1	21

	alpha2		
V$RXRG_01	RXRG dimer	1	0
V$RXRLXRB_01	RXR:LXR-beta	1	0
V$SOX17_01	half-site	1	0
V$TAL1BETAITF2_01	Tal-1beta:ITF-2 heterodimer	1	0
V$TAXCREB_02	Tax/CREB complex	1	0
V$TBX15_02	T-box 15	1	0
V$TBX18_01	T-box 18	1	0
V$ZBED6_01	ZBED6	1	0
MA0065.2	PPARG::RXRA	1	1
MA0150.1	NFE2L2	1	1
V$TAL1BETAE47_01	Tal-1beta:E47 heterodimer	1	1
V$ZBRK1_01	ZBRK1	1	1
V$P300_01	p300	1	3
V$SOX10_Q6	SOX10	1	5

V$IK_Q5	Ikaros	1	22
MA0072.1	RORA_2	0	1
MA0074.1	RXRA::VDR	0	1
MA0091.1	TAL1::TCF3	0	1
MA0141.1	Esrrb	0	1
MA0149.1	EWSR1-FLI1	0	1
V$AHR_Q5	aryl hydrocarbon / dioxin receptor	0	1
V$AHRARNT_01	aryl hydrocarbon receptor: Arnt heterodimers	0	1
V$AP4_01	activator protein 4	0	1
V$CACCCBINDINGFACTOR_Q6	CACCC-binding factor	0	1
V$DBP_Q6	DBP	0	1
V$GCNF_01	GCNF (germ cell nuclear factor)	0	1
V$LXR_Q3	LXR	0	1
V$NEUROD_02	NeuroD	0	1

V$LYF1_01	LyF-1	1	21
MA0002.2	RUNX1	0	1
MA0074.1	RXRA::VDR	0	1
MA0149.1	EWSR1-FLI1	0	1
V$AML2_01	AML2	0	1
V$ATF4_Q2	activating transcription factor 4	0	1
V$BRACH_01	Brachyury	0	1
V$CACD_01	CACD	0	1
V$COREBINDINGFACTOR_Q6	core-binding factor	0	1
V$DBP_Q6	DBP	0	1
V$ERR2_01	ERR2 (ESRRB)	0	1
V$HEB_Q6	HEB	0	1
V$LMAF_Q2	LMAF	0	1

V$PAX_Q6	Pax	0	1
V$RFX_Q6	RFX	0	1
V$RORA2_01	RAR-related orphan receptor alpha2	0	1
V$TAL1BETAE47_01	Tal-1beta:E47 heterodimer	0	1
V$VDRRXR_01	VDR:RXR	0	1
V$ZBED6_01	ZBED6	0	1
V$ZEC_01	zinc finger protein expressed in embryonal cells and certain adult organs	0	1
MA0133.1	BRCA1	0	2
MA0155.1	INSM1	0	2
V$AML_Q6	AML	0	2
V$BACH1_01	BTB and CNC homolog 1	0	2
V$CACD_01	CACD	0	2
V$COREBINDINGFACTOR_Q6	core-binding factor	0	2

V$LMO2COM_02	complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 2	0	1
V$MOVOB_01	MOVO-B	0	1
V$MTERF_01	mTERF binding site	0	1
V$MTF1_Q4	MTF-1	0	1
V$MYOD_01	myoblast determination gene product	0	1
V$RORA1_01	RAR-related orphan receptor alpha1	0	1
V$TEF1_Q6	TEF-1	0	1
V$VDRRXR_01	VDR:RXR	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
V$AHR_01	aryl hydrocarbon / dioxin receptor	0	2
V$MOVOB_01	MOVO-B	0	2
MA0002.2	RUNX1	0	3
MA0154.1	EBF1	0	3
V$ERR1_Q2	estrogen-related receptor alpha	0	3
V$RP58_01	58 KDA repressor protein	0	3
V$SZF11_01	SZF1-1	0	3
V$ZID_01	zinc finger with interaction domain	0	3
V$SMAD4_Q6	SMAD4	0	4
V$SREBP1_01	sterol regulatory element-binding protein 1	0	4
V$RREB1_01	Ras-responsive element binding protein 1	0	5
V$SMAD3_Q6	SMAD3	0	5

V$CP2_01	CP2	0	2
V$E12_Q6	E12	0	2
V$ER_Q6_02	half-site matrix, half-ERE	0	2
V$ERR1_Q2	estrogen-related receptor alpha	0	2
V$GCNF_01	GCNF (germ cell nuclear factor)	0	2
V$RREB1_01	Ras-responsive element binding protein 1	0	2
V$SZF11_01	SZF1-1	0	2
V$T3R_Q6	half-site matrix	0	2
V$VDR_Q3	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	0	2
MA0071.1	RORA_1	0	3
MA0119.1	TLX1::NFIC	0	3
MA0133.1	BRCA1	0	3
MA0141.1	Esrrb	0	3
V$AHRARNT_01	aryl hydrocarbon receptor:Arnt	0	3

V$TBX5_01	TBX5	0	5
V$TEF1_Q6	TEF-1	0	5
V$SF1_Q6_01	SF1	0	6
MA0163.1	PLAG1	0	7
V$COUPTF_Q6	COUPTF	0	7
V$E47_01	E47	0	7
V$GCM_Q2	GCM	0	7
V$IK2_01	Ikaros 2	0	7
V$MYOD_01	myoblast determination gene product	0	7
V$CHOP_01	heterodimers of CHOP and C/EBPalpha	0	8
V$TFIII_Q6	TFII-I	0	8
V$YY2	YY2	0	8
MA0119.1	TLX1::NFIC	0	9
MA0258.1	ESR2	0	9

	heterodimers		
V$CTF1_01	selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2]	0	3
V$HIC1_02	HIC1	0	3
V$LXR_Q3	LXR	0	3
V$MATH1_Q2	E47:MATH1	0	3
V$SF1_Q6_01	SF1	0	3
V$TBX5_01	TBX5	0	3
V$GCM_Q2	GCM	0	4
V$SPZ1_01	spermatogenic Zip	0	4
MA0089.1	NFE2L1::MafG	0	5
MA0092.1	Hand1::Tcfe2a	0	5
V$AHRHIF_Q6	AhR, Arnt, HIF-	0	5

V$CACBINDINGPROTEIN_Q6	CAC-binding protein	0	9
V$CTF1_01	selection of the binding sites for CTCF by HOX11 cooperative DNA binding [2]	0	9
V$HIC1_02	HIC1	0	9
V$LRF_Q2	LRF	0	9
V$MEF2C_01	MEF-2C	0	9
V$VDR_Q3	vitamin D receptor; mediates vitamin D3-signaling, often dimerizes with RXR-alpha	0	9
V$CMAF_02	C-MAF	0	10
V$CP2_01	CP2	0	10
V$ER_Q6_02	half-site matrix, half-ERE	0	10
V$SPZ1_01	spermatogenic Zip	0	10
V$TBR2_01	TBR2	0	10

	1		
V$CHOP_01	heterodimers of CHOP and C/EBPalpha	0	5
V$EBOX_Q6_01	Ebox	0	5
V$LRF_Q2	LRF	0	5
V$MYOGENIN_Q6	myogenin	0	5
MA0032.1	FOXC1	0	6
MA0163.1	PLAG1	0	6
MA0258.1	ESR2	0	6
V$RORBETA_Q2	RORBETA	0	6
V$GLI3_01	GLI3	0	7
V$IK2_01	Ikaros 2	0	7
V$LRH1_Q5	LRH1	0	7
V$TBR2_01	TBR2	0	7
V$COUPTF_Q6	COUPTF	0	8
V$SREBP1_01	sterol regulatory element-binding protein 1	0	8
MA0112.2	ESR1	0	9
V$PUR1_Q4	PUR1	0	9
MA0161.1	NFIC	0	10
V$YY2	YY2	0	10
MA0111.1	Spz1	0	11

MA0089.1	NFE2L1::MafG	0	11
V$E12_Q6	E12	0	11
V$LRH1_Q5	LRH1	0	11
V$RORBETA_Q2	RORBETA	0	11
V$TFE_Q6	TFE	0	12
MA0146.1	Zfx	0	13
V$GLI3_01	GLI3	0	13
V$HEB_Q6	HEB	0	13
V$MATH1_Q2	E47:MATH1	0	13
V$T3R_Q6	half-site matrix	0	13
MA0112.2	ESR1	0	14
V$HES1_Q2	HES1	0	14
V$NURR1_Q3	NURR1	0	14
MA0092.1	Hand1::Tcfe2a	0	15
MA0111.1	Spz1	0	15
V$DEC_Q1	DEC	0	15
V$EBOX_Q6_01	Ebox	0	15
V$LMAF_Q2	LMAF	0	15
V$ZNF515_01	Glis binding sites	0	15

V$E2A_Q6	E2A	0	11
V$SMAD_Q6	SMAD	0	11
V$MEF2C_01	MEF-2C	0	12
V$TFE_Q6	TFE	0	13
V$ZNF515_01	Glis binding sites	0	13
V$HES1_Q2	HES1	0	14
V$SREBP_Q3	SREBP	0	14
V$DEC_Q1	DEC	0	15
V$MAFA_Q4_01	MAFA	0	15
V$NURR1_Q3	NURR1	0	15
V$USF2_Q6	USF2	0	15
MA0160.1	NR4A2	0	16
V$E47_02	E47	0	16
V$GLI1_01	GLI1	0	16
V$OSF2_Q6	Osf2	0	16
V$TTF1_Q6	TTF-1 (Nkx2-1)	0	17
MA0103.1	ZEB1	0	18
V$DELTAEF1_01	deltaEF1	0	18
V$GLI2_01	GLI2	0	18

MA0122.1	Nkx3-2	0	16
V$GLI1_01	GLI1	0	16
V$OSF2_Q6	Osf2	0	16
V$SMAD_Q6	SMAD	0	16
V$LMO2COM_01	complex of Lmo2 bound to Tal-1, E2A proteins, and GATA-1, half-site 1	0	17
V$USF2_Q6	USF2	0	17
V$GLI2_01	GLI2	0	18
MA0160.1	NR4A2	0	19
V$DELTAEF1_01	deltaEF1	0	19
V$TTF1_Q6	TTF-1 (Nkx2-1)	0	19
V$GLI_Q2	GLI	0	20
V$LUN1_01	LUN-1	0	20
V$SREBP_Q3	SREBP	0	20
MA0019.1	Ddit3::Cebpa	0	21
MA0103.1	ZEB1	0	21
MA0161.1	NFIC	0	21
V$LYF1_01	LyF-1	0	21
V$MYOGENIN_Q6	myogenin	0	21
V$AML1_01	runt-factor	0	22

V$LFA1_Q6	LF-A1	0	18
MA0122.1	Nkx3-2	0	19
MA0146.1	Zfx	0	19
V$GLI_Q2	GLI	0	19
V$AML1_Q4	AML1	0	20
V$MAFB_01	MAFB	0	20
V$AP2REP_01	AP-2 repressor	0	21
V$ZIC1_01	zinc finger protein of the cerebellum 1	0	21
V$ZIC2_01	zinc finger protein of the cerebellum 2	0	21
V$ZIC3_01	zinc finger protein of the cerebellum 3	0	21
MA0019.1	Ddit3::Cebpa	0	22
V$ERALPHA_01	2 ERE half-sites with a 3bp spacer within	0	22
V$ING4_01	ING4	0	22
V$KID3_01	Kid3	0	22
V$LUN1_01	LUN-1	0	22

	AML-1		
V$E2A_Q2	E2A	0	22
V$ERALPHA_01	2 ERE half-sites with a 3bp spacer within	0	22
V$TERALPHA_Q6	TERALPHA	0	22
MA0130.1	ZNF354C	0	23
V$AP2REP_01	AP-2 repressor	0	23
V$ARP1_01	apolipoprotein AI regulatory protein 1	0	23
V$BDP1_01	BDP1	0	23
V$GTF2IRD1_01	GTF2IRD1-isoform2	0	23
V$ING4_01	ING4	0	23
V$KID3_01	Kid3	0	23
V$LFA1_Q6	LF-A1	0	23
V$MAFA_Q4_01	MAFA	0	23
V$MAFB_01	MAFB	0	23
V$PUR1_Q4	PUR1	0	23
V$SREBP2_Q6	SREBP2	0	23

V$SREBP2_Q6	SREBP2	0	22
MA0130.1	ZNF354C	0	23
V$ARP1_01	apolipoprotein AI regulatory protein 1	0	23
V$BDP1_01	BDP1	0	23
V$GTF2IRD1_01	GTF2IRD1-isoform2	0	23
V$TERALPHA_Q6	TERALPHA	0	23

V$ZIC1_01	zinc finger protein of the cerebellum 1	0	23
V$ZIC2_01	zinc finger protein of the cerebellum 2	0	23
V$ZIC3_01	zinc finger protein of the cerebellum 3	0	23