

Transcription factor:matrix family assignment			Position		strand	Core sim.	Matrix sim.	Sequence
Matrix Family	Detailed Family Information	Matrix	from	to				red:ci-value>60 Capitals:core seq
V\$BRNF	Brn POU domain factors	V\$BRN2.01	8	26	(-)	0.933	0.895	ttAATTataaagctaggaa
O\$VTBP	Vertebrate TATA binding protein factor	O\$VTATA.01	8	24	(-)	1.000	0.905	aattATAAGctaggaa
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$S8.01	10	30	(-)	1.000	0.992	aagatTAATTataaagctagg
V\$ATBF	AT-binding transcription factor	V\$ATBF1.01	11	27	(+)	1.000	0.872	ctagctttatAATTaat
V\$LHXF	Lim homeodomain factors	V\$LHX1.01	11	33	(+)	1.000	0.917	ctagctttaAATTaatcttagt
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$IPF1.01	11	29	(+)	1.000	0.908	ctagctttaTAATtaatct
V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX1.01	11	29	(+)	1.000	1.000	ctagctttaAATTaactct
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.03	12	28	(-)	0.784	0.808	gATTAAattataaagcta
V\$LHXF	Lim homeodomain factors	V\$LMX1A.01	12	34	(-)	1.000	0.927	tactaagattAATTataaagcta
V\$NKXH	NKX homeodomain factors	V\$NKX31.01	12	30	(-)	0.773	0.855	aagattAATTataaagcta
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXC8.01	12	30	(-)	1.000	0.959	aagattAATTataaagcta
V\$HBOX	Homeobox transcription factors	V\$VAX2.01	13	31	(-)	1.000	0.940	taagattAATTataaagct
V\$BRNF	Brn POU domain factors	V\$BRN3.02	13	31	(+)	1.000	0.903	agctttaTAATtaacttta
V\$HOME	Homeodomain transcription factors	V\$MSX1.01	13	31	(+)	1.000	0.951	agctttaAATTaacttta
V\$BRNF	Brn POU domain factors	V\$BRN3.03	14	32	(-)	1.000	0.924	ctaagatTAATTataaagc
V\$HBOX	Homeobox transcription factors	V\$VAX1.01	14	32	(+)	1.000	0.950	gctttatAATTaacttag
V\$OCT1	Octamer binding protein	V\$OCT1.03	14	30	(+)	1.000	0.942	gctttataATTAAatctt
V\$HOME	Homeodomain transcription factors	V\$MSX1.01	14	32	(-)	1.000	0.954	ctaagattAATTataaagc
V\$ARID	AT rich interactive domain factor	V\$BRIGHT.01	14	32	(+)	1.000	0.951	gctttataATTAAacttag
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXC9.01	15	31	(+)	1.000	0.849	ctttataTTAAacttta
V\$PAXH	PAX homeodomain binding sites	V\$PAX4.02	15	29	(-)	1.000	0.895	agattAATTataaag
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXC8.01	15	33	(+)	1.000	0.968	ctttataATTAAacttagt
V\$NKX6	NK6 homeobox transcription factors	V\$NKX63.01	15	29	(+)	1.000	0.892	ctttaTAATtaactct

V\$OCT1	Octamer binding protein	V\$OCT1.03	15	31	(-)	1.000	0.946	taagatt taATTa taaag
V\$NKX1	NK1 homeobox transcription factors	V\$NKX12.01	15	31	(+)	1.000	0.884	ctttat AATT aatctta
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$S8.01	15	35	(+)	1.000	0.997	cttta TAAT aatcttagtag
V\$PAXH	PAX homeodomain binding sites	V\$PAX4.02	16	30	(+)	1.000	0.901	tttat AATTa atctt
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$IPF1.01	16	34	(-)	1.000	0.919	tactaagat TAAT tataaa
V\$LHXF	Lim homeodomain factors	V\$LMX1B.01	16	38	(-)	1.000	0.974	aaactactaagat TAAT tataaa
V\$NKX6	NK6 homeobox transcription factors	V\$NKX61.01	16	30	(-)	1.000	0.956	aaga TTAAT tataaa
V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX2.01	16	34	(-)	1.000	0.977	tactaagatt AATT ataaa
V\$BRNF	Brn POU domain factors	V\$BRN4.02	17	35	(+)	1.000	0.831	ttata TTAAt cttagtag
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.02	17	31	(-)	1.000	0.872	taaga TTAAT tataa
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.02	18	32	(+)	1.000	0.843	tataa TTAAT cttag
V\$NKXH	NKX homeodomain factors	V\$NKX25.01	33	51	(-)	1.000	1.000	taaata AGTg ttaaacta
V\$PAX6	PAX-4/PAX-6 paired domain binding sites	V\$PAX6.03	35	53	(+)	0.871	0.851	gttta ACACt gtttaat
V\$PAX8	PAX-2/5/8 binding sites	V\$PAX8.01	36	50	(-)	1.000	0.907	aaaTCA Aggttaaa
V\$LHXF	Lim homeodomain factors	V\$LHX3.02	37	59	(+)	1.000	0.824	ttaacactgatt TAAT cgatca
V\$HNF6	Onecut homeodomain factor HNF6	V\$OC2.01	39	55	(-)	1.000	0.845	cgatta AATCa ggtgtt
V\$CLOX	CLOX and CLOX homology (CDP) factors	V\$CPHX.01	39	57	(+)	1.000	0.869	aacact TGAT ttatcgat
V\$HOME	Homeodomain transcription factors	V\$HHEX.01	39	57	(+)	1.000	0.959	aacacttgatt TAAT cgat
V\$HBOX	Homeobox transcription factors	V\$EN1.01	40	58	(+)	1.000	0.774	acactg aTTTA atcgatc
V\$PARF	PAR/bZIP family	V\$TEF.01	40	56	(+)	0.773	0.864	acacttgat TTAA tcga
V\$HOXC	HOX - PBX complexes	V\$PBX_HOXA9.01	41	57	(+)	1.000	0.815	cact TGAT ttatcgat
V\$LHXF	Lim homeodomain factors	V\$ISL2.01	42	64	(-)	1.000	0.883	atgactgatcg ATTA aatcaagt
V\$CLOX	CLOX and CLOX homology (CDP) factors	V\$CLOX.01	43	61	(-)	1.000	0.937	actg ATCG attaaatcaag
V\$HOME	Homeodomain transcription factors	V\$HMX3.03	43	61	(+)	1.000	0.867	cttgatt TAAT cgatcagt

V\$HNF6	Onecut homeodomain factor HNF6	V\$OC2.01	45	61	(+)	1.000	0.828	tgattAATCgatcagt
V\$NKX6	NK6 homeobox transcription factors	V\$NKX61.02	45	59	(+)	1.000	0.906	tgatTTAAtcgatca
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$PHOX2.01	45	65	(+)	1.000	0.872	tgattTAATcgatcagtcata
V\$HOXC	HOX - PBX complexes	V\$HOX_PBX.01	47	63	(-)	1.000	0.850	tgacTGATcgattaaat
V\$HZIP	Homeodomain-leucine zipper transcription factors	V\$HOMEZ.01	48	62	(-)	1.000	0.852	gactgATCGattaa
V\$CLOX	CLOX and CLOX homology (CDP) factors	V\$CDPCR3HD.01	48	66	(+)	1.000	0.976	tttaatcGATCagtcatat
V\$HOXH	HOX - MEIS1 heterodimers	V\$MEIS1A_HOXA9.01	49	63	(-)	1.000	0.772	TGACtgatcgattaa
V\$AP1R	MAF and AP1 related factors	V\$TCF11MAFG.01	49	69	(-)	1.000	0.812	ctaataTGACtgatcgattaa
V\$AP1R	MAF and AP1 related factors	V\$BACH1.01	51	71	(+)	0.750	0.866	aatcgaTCAGtcattagct
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$PHOX2.01	68	88	(+)	1.000	0.871	agctaTAATccaagcttgtg
V\$BCDF	Bicoid-like homeodomain transcription factors	V\$OBOX6.01	68	84	(+)	1.000	0.894	agctatAATCcaagctt
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$SOX9.02	72	94	(-)	1.000	0.944	aaagaccACAAgcttgattat
V\$NFAT	Nuclear factor of activated T-cells	V\$NFAT5.01	86	104	(-)	1.000	0.864	aatGGAAatgaaagaccac
V\$ETSE	Human and murine ETS1 factors	V\$SPIB.01	89	109	(-)	1.000	0.892	tgtaaataGGAAatgaaagac
V\$OCT1	Octamer binding protein	V\$OCT1.04	90	106	(-)	0.846	0.901	aaATGgaataaagaa
V\$IRFF	Interferon regulatory factors	V\$IRF3.01	90	110	(-)	1.000	0.851	atgtaaaatgGAAAtgaaaga
O\$INRE	Core promoter initiator elements	O\$DINR.01	92	102	(+)	0.969	0.955	ttTCATttcca
V\$YY1F	Activator/repressor binding to transcription initiation site	V\$YY2.01	95	115	(+)	1.000	0.975	catttCCATttacatatitt
V\$OCT1	Octamer binding protein	V\$OCT1.04	97	113	(-)	1.000	0.832	aaTATGtaaaatggaaa
V\$CREB	cAMP-responsive element binding proteins	V\$E4BP4.01	98	118	(-)	1.000	0.857	gccaaaatatGTAAaatggaa
V\$BRNE	Brn POU domain factors	V\$BRN2.01	99	117	(+)	1.000	0.871	tcCATTttacatatittgg
V\$PARE	PAR/bZIP family	V\$VBP.01	101	117	(-)	1.000	0.886	ccaaaatatGTAAaatg
V\$SRFF	Serum response element binding factor	V\$SRF.01	102	120	(-)	0.773	0.713	ttgccaaAATAtgtaaaat
V\$FKHD	Fork head domain factors	V\$FHXB.01	105	121	(-)	0.818	0.831	attgccAAAAtatgtaa

V\$CEBP	Ccaat/Enhancer Binding Protein	V\$CEBPB.01	109	123	(+)	1.000	0.942	atattttgGCAAtt
V\$HOME	Homeodomain transcription factors	V\$HHEX.01	112	130	(+)	1.000	0.984	tttggcaattTAATagaa
V\$HBOX	Homeobox transcription factors	V\$EN1.01	113	131	(+)	1.000	0.874	ttggcaaTTTAatagaaa
V\$LHXF	Lim homeodomain factors	V\$ISL1.01	114	136	(+)	1.000	0.828	ttggcaattTAATagaaaaatt
V\$HBOX	Homeobox transcription factors	V\$EN1.01	115	133	(-)	0.826	0.818	ttttctaTTAAattgcc
V\$HOXH	HOX - MEIS1 heterodimers	V\$MEIS1B_HOXA9.01	115	129	(+)	0.750	0.830	TGGCaatttaataga
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXC13.01	117	133	(-)	1.000	0.952	ttttctatTAAAttgc
V\$HOME	Homeodomain transcription factors	V\$HMX3.02	117	135	(-)	1.000	0.926	aattttctaTTAAattgc
V\$NKX6	NK6 homeobox transcription factors	V\$NKX61.02	118	132	(+)	1.000	0.904	caatTTAAtagaaaa
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$PHOX2.01	118	138	(+)	1.000	0.877	caatTAATagaaaaatttt
V\$BCL6	POZ domain zinc finger expressed in B-Cells	V\$BCL6.02	119	135	(+)	1.000	0.821	aatttaaTAGAaaatt
V\$SATB	Special AT-rich sequence binding protein	V\$SATB1.01	121	135	(+)	1.000	0.966	ttAATAgaaaaatt
V\$FKHD	Fork head domain factors	V\$FHXB.01	129	145	(-)	0.818	0.847	aagcccAAAAaatttt
V\$ARID	AT rich interactive domain factor	V\$JARID2.01	129	147	(+)	0.850	0.900	aaaaaTTTtTgggcttt
V\$HEAT	Heat shock factors	V\$HSF1.02	138	162	(-)	0.784	0.767	ctatacatTTCAAGaaaagccaa
V\$HEAT	Heat shock factors	V\$HSF1.01	139	163	(+)	0.857	0.862	tgggcttttctTGAAatgtataga
V\$CIZF	CAS interacting zinc finger protein	V\$NMP4.01	140	150	(-)	1.000	0.976	agAAAAagccc
V\$BCL6	POZ domain zinc finger expressed in B-Cells	V\$BCL6.02	143	159	(+)	0.771	0.833	cttttcTTGAaatgta
V\$OCT1	Octamer binding protein	V\$OCT3_4.02	147	163	(-)	0.791	0.883	tctatACATttcaagaa
V\$CLOX	CLOX and CLOX homology (CDP) factors	V\$CLOX.01	150	168	(-)	0.807	0.848	cgctATCTatatttcaa
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.01	153	167	(-)	0.806	0.940	gtcatCTATacatt
V\$CREB	cAMP-responsive element binding proteins	V\$CREB.02	155	175	(+)	1.000	0.960	atgtatagaTGACgttcgggg
V\$CREB	cAMP-responsive element binding proteins	V\$ATF.02	158	178	(+)	1.000	0.932	tatagaTGACgttcggggaag
V\$HIF	Hypoxia inducible factor, bHLH/PAS protein family	V\$HIF1.01	160	176	(-)	1.000	0.896	tccccgaACGTcatcta
V\$STAT	Signal transducer and activator of transcription	V\$STAT5.01	163	181	(-)	0.945	0.896	agtcTTCccgaacgtcat

V\$STAT	Signal transducer and activator of transcription	V\$STAT.01	165	183	(+)	1.000	0.971	gacg ttcggGGA Agactga
V\$IKRS	Ikaros zinc finger family	V\$IK3.01	169	181	(+)	1.000	0.866	ttcggGGA Agact
V\$ZF35	Zinc finger protein ZNF35	V\$ZNF35.01	170	182	(+)	1.000	0.979	tcgggg AA GActg
V\$PCBE	PREB core-binding element	V\$PREB.01	174	188	(-)	1.000	0.864	gaata TCAG ttctcc
V\$GATA	GATA binding factors	V\$GATA2.01	185	197	(-)	1.000	0.961	cggc GATA Agaat
V\$PAX5	PAX-5 B-cell-specific activator protein	V\$PAX5.01	187	215	(-)	0.905	0.801	gtaagaCT CA aagatgtgcggcgataaga
V\$GZF1	GDNF-inducible zinc finger gene 1	V\$GZF1.01	189	201	(-)	0.750	0.735	TGTG cggcgataa
V\$PAX3	PAX-3 binding sites	V\$PAX3.01	191	209	(+)	0.780	0.761	a TCG Cgcacatcttgag
V\$EVI1	EVI1-myleoid transforming protein	V\$EVI1.07	194	210	(-)	1.000	0.904	actca AAG Atgtcggc
V\$LEFF	LEF1/TCF	V\$LEF1.02	198	214	(-)	1.000	0.940	taagac CAA Agatgtg
V\$RXRF	RXR heterodimer binding sites	V\$VDR_RXR.03	235	259	(-)	1.000	0.768	cagctact GGTT atgggagaaagg
V\$SNAP	snRNA-activating protein complex	V\$PSE.02	240	258	(+)	0.893	0.760	ctccc CATA accagtagct
V\$HNF1	Hepatic Nuclear Factor 1	V\$HMBOX.01	242	258	(-)	1.000	0.905	agcta ctgGTT Atgggg
V\$GRHL	Grainyhead-like transcription factors	V\$GRHL1.01	245	257	(-)	1.000	0.893	gctact GGTT atg
V\$CP2F	CP2-erythrocyte Factor related to drosophila Elf1	V\$CP2.02	247	265	(-)	1.000	0.862	t ACTG gcagcta ctg gta
V\$HEAT	Heat shock factors	V\$HSF1.03	250	274	(+)	0.816	0.778	ccagtagctgcc AGTA tctccttag
V\$TALE	TALE homeodomain class recognizing TG motifs	V\$TGIF2.01	251	267	(+)	0.754	0.811	cagtag ctGCCA gtatc
V\$GATA	GATA binding factors	V\$GATA1.01	259	271	(-)	1.000	0.965	agga GATA ctggc
V\$AHRR	AHR-arnt heterodimers and AHR-related factors	V\$AHRARNT.03	265	289	(-)	1.000	0.959	aggagcttca GCGTg ctaaggagat
V\$RXRF	RXR heterodimer binding sites	V\$VDR_RXR.04	276	300	(-)	0.750	0.814	gtggatg GTA aaggagcttcagcgt
V\$FAST	FAST-1 SMAD interacting proteins	V\$FAST1.02	290	306	(-)	1.000	0.816	tccat TGTG atgggta
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$SOX9.02	292	314	(+)	1.000	0.963	cccatcc ACAA tgaatgctgag
V\$OCT1	Octamer binding protein	V\$OCT1.05	295	311	(-)	0.900	0.891	ag CATT Tccattgtggat
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$SOX9.03	297	319	(-)	1.000	0.814	agtacct cagattccaTTGT gg
V\$TEAF	TEA/ATTS DNA binding domain factors	V\$TEAD.01	300	312	(-)	1.000	0.932	cag CATT ccattg
V\$CREB	cAMP-responsive element binding proteins	V\$CREB.03	305	325	(+)	0.793	0.873	gaatgc TGAG gtactgtctt

V\$ZFTF	Zinc finger transcriptional repressor	V\$ZNF217.01	305	317	(+)	1.000	0.927	GAAT gctgaggta
V\$RU49	Zinc finger transcription factor RU49, zinc finger proliferation 1 - Zipro1	V\$RU49.01	314	320	(-)	1.000	0.994	cAGT Acc
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$CART1.01	319	339	(+)	0.798	0.898	tggtc TTAT tca atta aataac
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$S8.01	319	339	(-)	1.000	1.000	gttat TAAT tgaataagacca
V\$LHXF	Lim homeodomain factors	V\$ISL2.01	320	342	(+)	1.000	0.913	ggtcttattca TTA aataacagc
V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX1.02	320	338	(+)	1.000	0.885	ggtcttattc AATT aataa
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HMGA.01	320	342	(+)	1.000	0.910	ggtcttattc AATT aataacagc
V\$LHXF	Lim homeodomain factors	V\$LHX5.01	321	343	(-)	1.000	0.892	agctgttat tAATT gaataagac
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB4.01	321	339	(-)	1.000	0.871	gttat tAATT gaataagac
V\$NKXH	NKX homeodomain factors	V\$NKX25.02	321	339	(-)	1.000	0.903	gttat TAAT tgaataagac
V\$BRNF	Brn POU domain factors	V\$BRN2.04	322	340	(+)	0.763	0.842	tcttatt CAAT aataaca
V\$HOME	Homeodomain transcription factors	V\$HMX3.02	322	340	(+)	1.000	0.940	tcttattcaa TTA Aataaca
V\$HBOX	Homeobox transcription factors	V\$GSH2.01	322	340	(-)	1.000	0.957	tggtat TAAT tgaataaga
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$RHOX6.01	323	343	(-)	0.784	0.847	agctg TTAT tattgaataag
V\$HBOX	Homeobox transcription factors	V\$MEOX1.01	323	341	(+)	1.000	0.854	cttattc AATT aataacag
V\$OCT1	Octamer binding protein	V\$OCT1.03	323	339	(+)	1.000	0.850	cttattc aATTA aataac
V\$NKX1	NK1 homeobox transcription factors	V\$NKX12.01	323	339	(-)	1.000	0.875	gttat AATT gaataag
V\$BCDF	Bicoid-like homeodomain transcription factors	V\$PCE1.01	323	339	(-)	1.000	0.947	gttat TAAT tgaataag
V\$BRNF	Brn POU domain factors	V\$BRN3.02	323	341	(-)	1.000	0.911	ctgttat TAA Tgaataag
V\$ARID	AT rich interactive domain factor	V\$BRIGHT.01	323	341	(+)	1.000	0.954	cttattc aATTA aataacag
V\$HOME	Homeodomain transcription factors	V\$MSX.01	323	341	(-)	1.000	0.978	ctgttat TAAT tgaataag
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$PDX1.01	324	342	(+)	1.000	0.772	ttattcaat TAAT aacagc
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.03	324	340	(-)	1.000	0.883	tGTTA ttaattgaataa
V\$LHXF	Lim homeodomain factors	V\$LHX3.01	324	346	(+)	1.000	0.830	ttattcaa TTA Aaacagctact
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$UNCX4.01	324	344	(+)	1.000	0.873	ttattc AATT aataacagcta

V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB8.01	324	342	(+)	1.000	0.892	ttattca ATTA aataacagc
V\$PAXH	PAX homeodomain binding sites	V\$PAX6_HD.01	324	338	(-)	1.000	0.880	ttatt AATT gaataa
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB8.01	325	343	(-)	1.000	0.868	agctgtt ATTA aattgaata
V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX3.01	325	343	(-)	1.000	0.941	agctgttat TAAT tgaata
V\$NKX6	NK6 homeobox transcription factors	V\$NKX61.01	325	339	(-)	1.000	0.927	gtta TTAAT tgaata
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.02	326	340	(-)	1.000	0.846	tgta TTAAT tgaat
V\$BRNF	Brn POU domain factors	V\$BRN3.03	326	344	(+)	1.000	0.905	attcaat TAAT aacagcta
V\$ATBF	AT-binding transcription factor	V\$ATBF1.01	327	343	(-)	1.000	0.855	agctgttatt AATT gaa
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.02	327	341	(+)	1.000	0.872	ttca TTAAT aacag
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXC9.01	327	343	(-)	1.000	0.902	agctgtta TAA ttaa
V\$HOME	Homeodomain transcription factors	V\$HMX3.02	327	345	(-)	1.000	0.930	gtagctgtta TTAA ttaa
V\$NKX6	NK6 homeobox transcription factors	V\$NKX61.01	328	342	(+)	1.000	0.956	tcaa TTAA aacagc
V\$OVOL	OVO homolog-like transcription factors	V\$OVOL1.01	331	345	(-)	1.000	0.821	gtagct GTTA ttaat
V\$MYBL	Cellular and viral myb-like transcriptional regulators	V\$VMYB.01	334	346	(+)	0.817	0.898	aat AAC Agctact
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXC9.01	347	363	(-)	0.805	0.845	agcgatca TGA Actcat
V\$HEAT	Heat shock factors	V\$HSF1.02	358	382	(+)	0.811	0.782	atc gctgtgt CCAGa agaaccccc
V\$ZBPF	Zinc binding protein factors	V\$ZBP89.01	370	392	(+)	1.000	0.940	agaagaaccc CCCC cctccactt
V\$ZBPF	Zinc binding protein factors	V\$ZNF219.01	372	394	(+)	1.000	0.988	aagaacc CCCC cctcccacttg
V\$KLFS	Krüppel like transcription factors	V\$KLF6.01	372	388	(-)	1.000	0.950	ggga GGGG ggggttctt
V\$GLIF	GLI zinc finger family	V\$ZIC2.01	373	387	(+)	1.000	0.955	aga acc CCC Cctcc
V\$SPZ1	Testis-specific bHLH-Zip transcription factors	V\$SPZ1.01	373	383	(-)	0.925	0.953	g GGG Ggggttct
V\$MAZE	Myc associated zinc fingers	V\$MAZR.01	374	386	(-)	1.000	0.939	gag ggg GGGG ttc
V\$EGRF	EGR/nerve growth factor induced protein C & related factors	V\$WT1.01	374	390	(-)	0.837	0.945	gtggg AGGG gggggttc
V\$KLFS	Krüppel like transcription factors	V\$KRLF.01	375	391	(-)	1.000	0.921	agtggga GGGG gggggtt

V\$PURA	Pur-alpha binds both single-stranded and double-stranded DNA in a sequence-specific manner	V\$PURALPHA.01	375	387	(-)	1.000	0.991	ggAGG G ggggggtt
V\$EGRF	EGR/nerve growth factor induced protein C & related factors	V\$CKROX.01	376	392	(-)	1.000	0.981	aa g tGGG A gggggggggt
V\$SP1F	GC-Box factors SP1/GC	V\$GC.01	377	391	(-)	0.877	0.894	ag t GG A Gggggggg
V\$INSM	Insulinoma associated factors	V\$INSM1.01	377	389	(-)	1.000	0.921	t gggaGGGGgggg
V\$MAZE	Myc associated zinc fingers	V\$MAZ.01	378	390	(-)	1.000	0.951	gtgg GAGG ggggg
V\$HOME	Homeodomain transcription factors	V\$HMX3.01	382	400	(-)	1.000	0.922	ctggagca AAGT gggaggg
V\$LEFF	LEF1/TCF	V\$LEF1.01	385	401	(-)	1.000	0.869	gctgg ag CAA A gtggga
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HBP1.01	398	420	(-)	1.000	0.882	gaaatgaa g A AT Gtaagagctg
O\$INRE	Core promoter initiator elements	O\$DINR.01	412	422	(+)	0.969	0.959	tt TCAT ttcct
V\$EVI1	EV11-myleoid transforming protein	V\$MEL1.02	424	440	(+)	1.000	1.000	cttcaat GATG agtcct
V\$AP1R	MAF and AP1 related factors	V\$BACH1.01	427	447	(+)	1.000	0.863	caatga TGAG tcctgaaccta
V\$NRSE	Neuron-restrictive silencer factor	V\$NRSE.02	435	465	(+)	0.836	0.762	agtc ct GA AC ctaggagaggatgataaaatg
V\$PAX6	PAX-4/PAX-6 paired domain binding sites	V\$PAX6.04	439	457	(-)	0.889	0.851	cat CCTC tcctaggttcag
V\$EVI1	EV11-myleoid transforming protein	V\$MEL1.03	447	463	(+)	1.000	0.962	aggag ag G AT Gataaaa
V\$DMRT	DM domain-containing transcription factors	V\$DMRT1.01	450	470	(+)	0.934	0.771	agaggatgataaa ATGT ccca
V\$CDXF	Vertebrate caudal related homeodomain protein	V\$CDX1.01	451	469	(-)	1.000	0.942	gggacat TTT Atcatcctc
V\$GATA	GATA binding factors	V\$GATA1.03	453	465	(+)	1.000	0.951	ggat GATA aaatg
V\$RORA	v-ERB and RAR-related orphan receptor alpha	V\$RORA2.01	455	477	(-)	0.750	0.824	cctt a ag tg GG AC attttatcat
V\$DMRT	DM domain-containing transcription factors	V\$DMRT4.01	456	476	(-)	0.800	0.806	ctta ag tg GAC Attttatca
V\$NKXH	NKX homeodomain factors	V\$NKX32.01	461	479	(-)	1.000	0.969	agcctta AGTG ggacattt
V\$HOME	Homeodomain transcription factors	V\$HMX2.01	462	480	(+)	1.000	0.930	aatgtcca CTTA Aag g ctg
V\$HOME	Homeodomain transcription factors	V\$HMX3.01	463	481	(-)	1.000	0.932	tcagcctt AAGT gggacat
V\$HOME	Homeodomain transcription factors	V\$HMX2.01	467	485	(-)	1.000	0.922	tcgctcagc CTTA Aag tg gg

V\$NKXH	NKX homeodomain factors	V\$NKX32.01	489	507	(-)	1.000	0.964	gagaatg AGT Ggctgtgaa
V\$YBXF	Y-box binding transcription factors, multifunctional proteins involved in transcriptional and translational regulation, mRNA splicing, DNA replication and repair	V\$YB1.01	491	503	(-)	1.000	0.906	atgag TG GCtgtg
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HBP1.01	492	514	(-)	1.000	0.867	atgtgctgag AAT Gagtggctgt
V\$CAAT	CCAAT binding factors	V\$CAAT.01	492	506	(+)	0.827	0.935	acag CCA Ctattct
V\$YY1F	Activator/repressor binding to transcription initiation site	V\$YY1.02	501	521	(-)	1.000	0.951	ctggt CAT gtgctgagaatg
V\$NRSE	Neuron-restrictive silencer factor	V\$NRSE.02	503	533	(+)	1.000	0.739	ttct ca GC A Catggaccaggatgagtctct
V\$HAND	Twist subfamily of class B bHLH transcription factors	V\$PARAXIS.01	503	523	(+)	0.882	0.889	ttct AG CA catggaccagggt
V\$MITF	Microphthalmia transcription factor	V\$MIT.01	506	520	(-)	1.000	0.941	tggtc CAT Gtctga
V\$HESF	Vertebrate homologues of enhancer of split complex	V\$DEC2.01	506	520	(+)	0.903	0.961	tcag ca CAT Ggacca
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$SOX2.01	522	544	(-)	1.000	0.939	acagtta ACAA agagactcatac
V\$LEFF	LEF1/TCF	V\$LEF1.01	527	543	(-)	1.000	0.880	cagtta CAA Agagact
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.04	528	544	(+)	1.000	0.931	gtctcttt GTTA actgt
V\$OVOL	OVO homolog-like transcription factors	V\$OVOL1.01	530	544	(+)	1.000	0.805	ctctt GTTA actgt
V\$FKHD	Fork head domain factors	V\$XFD3.01	530	546	(-)	1.000	0.887	aa aca gt AACA aagag
V\$HOME	Homeodomain transcription factors	V\$HMX2.03	531	549	(+)	1.000	0.857	tctttg TAA Actgtttaca
V\$OVOL	OVO homolog-like transcription factors	V\$OVOL1.01	533	547	(-)	1.000	0.821	taaa ca GTTA acaaa
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.04	533	549	(-)	1.000	0.911	tgtaaaca GTTA acaaa
V\$FKHD	Fork head domain factors	V\$HNF3.01	537	553	(-)	1.000	0.983	cagctgt AAA Cagttaa
V\$FKHD	Fork head domain factors	V\$HNF3.01	548	564	(+)	1.000	0.995	cagctgc AAA Cagactt
V\$HEAT	Heat shock factors	V\$HSF2.02	556	580	(-)	1.000	0.961	agtcatggtcaa GAA aagtctgtt
V\$NR2F	Nuclear receptor subfamily 2 factors	V\$HNF4.01	557	581	(-)	1.000	0.852	cagtcagt ggtCAAA gaaaagtctgt
V\$RXRE	RXR heterodimer binding sites	V\$LXRE.02	559	583	(-)	1.000	0.729	ctcagtc atGGT Caaagaaaagtct
V\$PERO	Peroxisome proliferator-activated receptor	V\$PPAR_RXR.02	560	582	(-)	1.000	0.729	tcagtcagt ggtCAA Gaaaagtc
V\$LEFF	LEF1/TCF	V\$LEF1.02	562	578	(-)	1.000	0.951	tcatggt CAA Agaaaag

V\$AP1R	MAF and AP1 related factors	V\$TCF11MAFG.01	570	590	(+)	1.000	0.823	tgacca TGAC tgagaaaccct
V\$NR2F	Nuclear receptor subfamily 2 factors	V\$TR2.01	584	608	(-)	0.756	0.779	aaagattagcgaa GGTT agggttt
V\$RXRF	RXR heterodimer binding sites	V\$VDR_RXR.06	586	610	(-)	1.000	0.805	ttaaa gattag cgaa AGG Ttagggt
V\$PRDF	Positive regulatory domain I binding factor	V\$BLIMP1.01	586	604	(-)	1.000	0.820	attagc GAA aggtagggt
V\$NBRE	NGFI-B response elements, nur subfamily of nuclear receptors	V\$NBRE.01	586	600	(-)	1.000	0.874	gcga AAG Gtagggt
V\$BARB	Barbiturate-inducible element box from pro+eukaryotic genes	V\$BARBIE.01	587	601	(-)	1.000	0.903	agcg AAAG gtaggg
V\$HOME	Homeodomain transcription factors	V\$TLX1.01	591	609	(+)	0.818	0.844	aaccttt CGCT aatttta
V\$NR2F	Nuclear receptor subfamily 2 factors	V\$PNR.01	595	619	(-)	0.759	0.792	cctaataga TTA A gatta gcgaaa
V\$GATA	GATA binding factors	V\$GATA1.02	597	609	(-)	1.000	1.000	taaa GATT agcga
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.02	598	614	(+)	1.000	0.813	cg TAAT ctttaatcta
V\$BRNF	Brn POU domain factors	V\$BRN3.02	601	619	(+)	1.000	0.899	taatctt AAT ctattagg
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$PHOX2.01	602	622	(-)	1.000	0.919	ctacc TAAT agattaagatt
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$PHOX2.01	603	623	(+)	1.000	0.898	atctt TAAT ctattaggtaga
V\$LHXF	Lim homeodomain factors	V\$ISL2.01	603	625	(+)	1.000	0.882	atctttaatct ATTA ggtagaaa
V\$GATA	GATA binding factors	V\$GATA3.02	604	616	(-)	1.000	0.928	aat AGAT taaaga
V\$SATB	Special AT-rich sequence binding protein	V\$SATB1.01	605	619	(-)	1.000	0.948	cct AATA gattaaag
V\$CLOX	CLOX and CLOX homology (CDP) factors	V\$CLOX.01	606	624	(+)	0.807	0.880	ttta ATCT attaggtagaa
V\$HOME	Homeodomain transcription factors	V\$HMX2.02	621	639	(+)	1.000	0.846	agaaacac AAAC atttaga
V\$HOME	Homeodomain transcription factors	V\$HMX2.02	626	644	(-)	0.750	0.822	taccttct AAAT gtttgtg
V\$DMRT	DM domain-containing transcription factors	V\$DMRT1.01	642	662	(+)	0.934	0.781	gtagtttgacacc ATGT ctat
V\$TALE	TALE homeodomain class recognizing TG motifs	V\$TGIF.01	643	659	(-)	1.000	1.000	gacatggt GTC Aaacta
V\$SIXF	Sine oculis (SIX) homeodomain factors	V\$SIX4.01	645	659	(-)	1.000	0.964	gacatg GTGT caaac
V\$FAST	FAST-1 SMAD interacting proteins	V\$FAST1.01	651	667	(+)	1.000	0.895	caccatg tcTATT gagc
V\$ZFIA	Zinc finger with interaction domain factors	V\$ZID.01	657	669	(-)	1.000	0.858	tg GCTC aatagac
V\$E2FF	E2F-myc activator/cell cycle regulator	V\$E2F.02	659	675	(+)	1.000	0.849	ctattgagc AAA caac

V\$CAAT	CCAAT binding factors	V\$NFY.03	663	677	(+)	1.000	0.845	tgag CCA Aacaacag
V\$LHXF	Lim homeodomain factors	V\$LHX6.01	669	691	(+)	1.000	0.858	aaacaacag TAAT cagtttctcc
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$IPF1.01	669	687	(+)	1.000	0.849	aaacaacag TAAT cagttt
V\$BRN5	Brn-5 POU domain factors	V\$BRN5.04	670	692	(-)	1.000	0.886	gggagaaa ctgATTA ctgttggt
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB7.01	670	688	(-)	0.755	0.853	gaaact GATT actgttggt
V\$MYBL	Cellular and viral myb-like transcriptional regulators	V\$VMYB.01	670	682	(+)	0.817	0.882	aac AAC Agtaatc
V\$HBOX	Homeobox transcription factors	V\$VAX2.01	671	689	(-)	1.000	0.851	agaaact gATTA ctgttgt
V\$HBOX	Homeobox transcription factors	V\$EVX1.01	672	690	(+)	0.775	0.855	caacag taATCA gtttctc
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$PDX1.01	674	692	(-)	0.783	0.789	gggagaaa CTGAT tactgt
V\$RXRF	RXR heterodimer binding sites	V\$VDR_RXR.03	683	707	(-)	0.765	0.750	aggt cataGGCT ctaggagaaaact
V\$NOLE	Neuron-specific-olfactory factor	V\$OLF1.02	683	705	(+)	1.000	0.884	agtttc TCCC tag agc ctatgac
V\$NR2F	Nuclear receptor subfamily 2 factors	V\$TR4.02	689	713	(-)	1.000	0.773	ctttgg AGGT c atagg ctctaggga
V\$RXRF	RXR heterodimer binding sites	V\$LXRE.02	691	715	(-)	1.000	0.694	gtctt tggaGGT Catagg ct tagg
V\$RORA	v-ERB and RAR-related orphan receptor alpha	V\$RORA1.01	693	715	(-)	1.000	0.952	gtcttt ggaGGTC atagg ct cta
V\$GLIF	GLI zinc finger family	V\$GLI3.01	701	715	(+)	0.822	0.873	atga CCT Ccaaagac
V\$DMRT	DM domain-containing transcription factors	V\$DMRT1.01	710	730	(-)	0.934	0.772	gttaaa agctact ATGTcttt
V\$HNF1	Hepatic Nuclear Factor 1	V\$HMBOX.01	722	738	(-)	1.000	0.945	tacaact gGTTA aaagc
V\$GRHL	Grainyhead-like transcription factors	V\$GRHL1.01	725	737	(-)	1.000	0.919	acaact GGTT aaa
V\$GRHL	Grainyhead-like transcription factors	V\$GRHL1.01	726	738	(+)	0.770	0.876	ttaacc AGTT gta
V\$HEAT	Heat shock factors	V\$HSF2.02	734	758	(+)	1.000	0.979	ttgatagaacc AGAA gattccact
V\$GREF	Glucocorticoid responsive and related elements	V\$ARE.02	738	756	(-)	1.000	0.896	tggaat cttctgGTT Ctat
V\$ZFTR	Zinc finger transcriptional repressor	V\$ZNF217.01	742	754	(-)	1.000	0.903	GAA Tcttctggtt
V\$HEAT	Heat shock factors	V\$HSF2.01	743	767	(-)	0.917	0.889	agtc cc tagagtg GAA Tctt ct ggt
V\$SMAD	Vertebrate SMAD family of transcription factors	V\$SMAD4.01	764	772	(-)	1.000	0.995	g GTCT ag tc
V\$IKRS	Ikaros zinc finger family	V\$IK2.01	773	785	(-)	1.000	0.993	gatt GGGA attga
O\$VTBP	Vertebrate TATA binding protein factor	O\$VTATA.02	783	799	(+)	1.000	0.911	atctt TAA Aacacactt
V\$ETSF	Human and murine ETS1 factors	V\$GABP.01	789	809	(-)	1.000	0.878	ctaaga agGGA gtgtgttt

V\$HOME	Homeodomain transcription factors	V\$HMX2.01	801	819	(-)	0.750	0.833	aaagcagca CCTA agaagg
V\$PRDF	Positive regulatory domain I binding factor	V\$BLIMP1.01	808	826	(-)	1.000	0.815	aaaagg GAAA gcagcacct
V\$ETSF	Human and murine ETS1 factors	V\$SPIB.01	809	829	(-)	1.000	0.884	caaaaag GGAA gcagcacc
V\$IRFF	Interferon regulatory factors	V\$IRF4.01	810	830	(-)	1.000	0.983	tcaaaaaagg GAAA gcagcac
V\$KLFS	Krueppel like transcription factors	V\$GKLF.01	816	832	(-)	1.000	0.900	catcaaaaa AGG Gaaag
V\$DICE	Downstream Immunoglobulin Control Element, critical for B cell activity and specificity	V\$DICE.01	828	842	(+)	0.946	0.884	tgat GTC Tacacaca
O\$VTBP	Vertebrate TATA binding protein factor	O\$LTATA.01	885	901	(+)	1.000	0.832	cac TATA agctaaagtc
V\$PLZF	C2H2 zinc finger protein PLZF	V\$PLZF.01	892	906	(+)	0.958	0.946	agc TAA Agtcccata
V\$HAND	Twist subfamily of class B bHLH transcription factors	V\$MESP1_2.01	896	916	(+)	1.000	0.915	aaagtcc CAT Atgaagaaag
V\$RUSH	SWI/SNF related nucleophosphoproteins with a RING finger DNA binding motif	V\$SMARCA3.01	900	910	(+)	1.000	0.985	tc CAT atgaa
V\$BRNF	Brn POU domain factors	V\$BRN2.03	912	930	(-)	1.000	0.955	aaaggatt ATT Tctttc
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXA9.01	913	929	(+)	1.000	0.873	aaagaaa ata AATC ctt
V\$HOXC	HOX - PBX complexes	V\$PBX_HOXA9.01	915	931	(-)	0.750	0.839	aaaa GGAT tattttct
V\$RXRF	RXR heterodimer binding sites	V\$VDR_RXR.05	935	959	(-)	1.000	0.794	gagt GAA Gtatccgaggctgagaga
V\$DMRT	DM domain-containing transcription factors	V\$DMRT2.01	954	974	(-)	0.750	0.789	cgaaa atga TATA ctgagtga
V\$ETSF	Human and murine ETS1 factors	V\$FLI.01	961	981	(-)	0.750	0.826	gtggaa CCG Aaatgatatac
V\$PRDF	Positive regulatory domain I binding factor	V\$BLIMP1.01	961	979	(-)	1.000	0.814	ggaacc GAAA atgatatac
V\$IRFF	Interferon regulatory factors	V\$IRF3.01	963	983	(-)	1.000	0.863	gtgt ggaacc GAAA atgatat
V\$PAX2	PAX-2 binding sites	V\$PAX2.01	967	989	(-)	0.789	0.782	gaa att gtgtggaaccg AAAA tg
V\$ETSF	Human and murine ETS1 factors	V\$PU1.01	967	987	(-)	1.000	0.896	aattgt gt GGAA ccgaaaatg
V\$STAT	Signal transducer and activator of transcription	V\$STAT3.01	983	1001	(+)	0.750	0.755	caat TTCT tgcaaatctca
V\$OCT1	Octamer binding protein	V\$OCT1.02	987	1003	(+)	0.750	0.852	ttc TTG Caaatctcata
V\$BRN5	Brn-5 POU domain factors	V\$BRN5.04	990	1012	(+)	0.754	0.840	ttgcaaat ctc ATAA tttcacat
V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX3.01	993	1011	(+)	1.000	0.930	caaatctca TAAT tcaca
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB8.01	994	1012	(-)	1.000	0.835	atgt gaa ATTA tgagattt

V\$PRDF	Positive regulatory domain I binding factor	V\$PRDM1.01	996	1014	(-)	1.000	0.816	aaa tgtGAA Attatgagat
V\$NKXH	NKX homeodomain factors	V\$NKX25.02	997	1015	(+)	1.000	0.936	tctca TAAT ttcacatttt
V\$PAX6	PAX-4/PAX-6 paired domain binding sites	V\$PAX6.03	1012	1030	(-)	0.806	0.793	taatc ACCC atcagtaaaa
V\$PAX2	PAX-2 binding sites	V\$PAX2.01	1013	1035	(+)	0.789	0.794	ttt act gatgggtgatt AAAA tc
V\$RXRF	RXR heterodimer binding sites	V\$VDR_RXR.04	1016	1040	(+)	0.786	0.810	actgatg GGTG attaaatcatgca
V\$LHXF	Lim homeodomain factors	V\$ISL1.01	1017	1039	(-)	1.000	0.831	gcatgattt TAAT cacccatcag
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXC8.01	1017	1035	(-)	0.759	0.855	gatttt taATCA cccatcag
V\$BCDF	Bicoid-like homeodomain transcription factors	V\$CRX.01	1019	1035	(-)	1.000	0.991	gattt TAAT cacccatc
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXC9.01	1020	1036	(+)	1.000	0.909	atgggtg ATT Aaatca
V\$CDXF	Vertebrate caudal related homeodomain protein	V\$CDX1.02	1020	1038	(-)	0.864	0.884	catgatt TTAAT cacccat
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB8.01	1020	1038	(+)	1.000	0.837	atgggtg ATTA aaatcatg
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$PDX1.01	1021	1039	(-)	1.000	0.860	gcatgattt TAAT caccca
V\$NKX6	NK6 homeobox transcription factors	V\$NKX61.01	1021	1035	(-)	1.000	0.938	gatt TTAAT caccca
V\$HOME	Homeodomain transcription factors	V\$HHEX.01	1023	1041	(-)	1.000	0.963	atgcatgattt TAAT cacc
V\$BRN5	Brn-5 POU domain factors	V\$BRN5.02	1026	1048	(-)	0.750	0.781	aagatatatgc ATGAttt aatc
V\$PAX6	PAX-4/PAX-6 paired domain binding sites	V\$PAX6.01	1028	1046	(-)	0.786	0.768	gatat ATG atgattttaa
V\$OCT1	Octamer binding protein	V\$OCT3_4.02	1028	1044	(-)	1.000	0.919	tatat GCAT gattttaa
V\$P53F	p53 tumor suppressor	V\$P53.05	1031	1053	(-)	1.000	0.818	aatg CAAG atatatgc atg attt
V\$PAX8	PAX-2/5/8 binding sites	V\$PAX2.02	1031	1045	(+)	0.962	0.956	aa ATCA tgcatatat
V\$OCT1	Octamer binding protein	V\$POU3F3.01	1033	1049	(+)	1.000	0.894	atcat GCAT atatcttg
O\$YTBP	Yeast TATA binding protein factor	O\$SPT15.01	1034	1050	(+)	1.000	0.839	tcatgca TATA cttgc
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.01	1034	1048	(-)	0.855	0.954	aagat ATAT gcatga
O\$YTBP	Yeast TATA binding protein factor	O\$SPT15.01	1037	1053	(-)	0.759	0.831	aatgcaa GAT Atatgca
V\$BRN5	Brn-5 POU domain factors	V\$BRN5.03	1039	1061	(-)	1.000	0.805	g TAAT gaaaatg ca agatatatg
V\$OCT1	Octamer binding protein	V\$OCT1.02	1039	1055	(-)	1.000	0.856	aaa ATGCA agatatatg

V\$EVI1	EV11-myleoid transforming protein	V\$EVI1.04	1042	1058	(-)	1.000	0.746	atgaaatgcaaGATAt
V\$RXRF	RXR heterodimer binding sites	V\$CAR_RXR.01	1044	1068	(-)	0.771	0.819	tgaatgGGTAatgaaatgcaagat
V\$PRDF	Positive regulatory domain I binding factor	V\$BLIMP1.01	1044	1062	(-)	1.000	0.830	ggtaatGAAAatgcaagat
V\$OCT1	Octamer binding protein	V\$OCT3_4.01	1045	1061	(-)	0.800	0.894	gtaATGAaaatgcaaga
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$PDX1.01	1046	1064	(+)	0.783	0.767	cttgcatTTTCATtaccca
V\$CDXF	Vertebrate caudal related homeodomain protein	V\$CDX1.02	1047	1065	(+)	0.795	0.899	ttgcattTTCAttaccat
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXA5.01	1047	1065	(-)	0.784	0.848	atgggtAATGaaaatgcaa
V\$HBOX	Homeobox transcription factors	V\$VAX1.01	1048	1066	(-)	0.788	0.849	aatgggtAATGaaaatgca
V\$PARF	PAR/bZIP family	V\$DBP.01	1049	1065	(-)	0.885	0.860	atgggtTAATgaaaatgc
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXA10.01	1049	1065	(-)	0.799	0.881	atgggttaaTGAAaatgc
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXC8.01	1050	1068	(+)	1.000	0.861	cattttcATTAcccattca
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HBP1.01	1054	1076	(-)	1.000	0.885	ttaacagatgAATGggtaatgaa
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$NANOG.01	1055	1073	(-)	1.000	0.990	acagatgAATGggtaatga
V\$CAAT	CCAAT binding factors	V\$CAAT.01	1058	1072	(+)	0.856	0.916	ttacCCATtcatctg
V\$HOXC	HOX - PBX complexes	V\$HOX_PBX.01	1059	1075	(-)	0.833	0.860	taacAGATgaatgggta
V\$HAND	Twist subfamily of class B bHLH transcription factors	V\$MESP1_2.01	1059	1079	(-)	0.857	0.921	ctgttaaCAGAtgaatgggta
V\$HOXH	HOX - MEIS1 heterodimers	V\$MEIS1A_HOXA9.01	1061	1075	(-)	0.783	0.798	TAAcagatgaatggg
V\$HOME	Homeodomain transcription factors	V\$HMX3.02	1063	1081	(+)	1.000	0.939	cattcatctgTTAAcagac
V\$NEUR	NeuroD, Beta2, HLH domain	V\$NGN_NEUROD.01	1063	1075	(+)	1.000	0.989	cattCATCgttta
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.04	1064	1080	(+)	1.000	0.897	attcatctGTTAacaga
V\$OVOL	OVO homolog-like transcription factors	V\$OVOL1.01	1066	1080	(+)	1.000	0.806	tcattctGTTAacaga
V\$FKHD	Fork head domain factors	V\$XFD3.01	1066	1082	(-)	1.000	0.845	tgtctgtTAACAgatga
V\$FKHD	Fork head domain factors	V\$XFD3.01	1067	1083	(+)	1.000	0.869	catctgtTAACAgacat
V\$HOME	Homeodomain transcription factors	V\$HMX3.02	1068	1086	(-)	1.000	0.939	cagatgtctgTTAAcagat
V\$OVOL	OVO homolog-like transcription factors	V\$OVOL1.01	1069	1083	(-)	1.000	0.837	atgtctGTTAacaga

V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.04	1069	1085	(-)	1.000	0.903	agatgtct GTTA acaga
V\$HAND	Twist subfamily of class B bHLH transcription factors	V\$TAL1BETAE47.01	1073	1093	(-)	1.000	0.872	aacagcc CAGAtgt ctgttaa
V\$NEUR	NeuroD, Beta2, HLH domain	V\$NEUROD1.01	1077	1089	(+)	1.000	0.831	cag aCATC tgggc
V\$RP58	RP58 (ZFP238) zinc finger protein	V\$RP58.01	1077	1089	(+)	1.000	0.909	cag aCATC tgggc
V\$NEUR	NeuroD, Beta2, HLH domain	V\$NEUROG.01	1078	1090	(-)	0.875	0.925	agc CCAGat gtct
V\$PTF1	Pancreas transcription factor 1, heterotrimeric transcription factor	V\$PTF1.01	1079	1099	(+)	0.857	0.763	ga caTCTG ggctg tttctatt
V\$IRFF	Interferon regulatory factors	V\$IRF1.01	1085	1105	(-)	1.000	0.886	ccagaa aaataGAA acagccca
V\$ZFX	Two-handed zinc finger homeodomain transcription factors	V\$AREB6.04	1086	1098	(+)	1.000	0.997	gggct GTTT ctat
V\$E2FF	E2F-myc activator/cell cycle regulator	V\$E2F.01	1095	1111	(-)	1.000	0.775	caaaa gccaGAA Aatag
V\$CDXF	Vertebrate caudal related homeodomain protein	V\$CDX2.02	1119	1137	(-)	1.000	0.899	atctgtg TTAT ggctgct
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXB9.02	1119	1135	(+)	1.000	0.882	agcagcca TAA Acacag
V\$FKHD	Fork head domain factors	V\$FREAC7.01	1121	1137	(+)	1.000	0.969	cagcca aTAA Acacagat
V\$OCT1	Octamer binding protein	V\$POU3F3.01	1130	1146	(-)	1.000	0.824	cact IGCAT atctgtgt
V\$GATA	GATA binding factors	V\$GATA.01	1131	1143	(+)	1.000	0.944	caca GAT Atgcaa
V\$OCT1	Octamer binding protein	V\$OCT1.02	1135	1151	(+)	1.000	0.891	gat ATGCa agtgtctct
V\$PPAR	Peroxisome proliferative activated receptor homodimers	V\$PPARG.01	1153	1175	(-)	0.755	0.689	cca AAGG agactata acct acca
V\$PPAR	Peroxisome proliferative activated receptor homodimers	V\$PPARG.01	1153	1175	(+)	1.000	0.706	tgg TAGG tatag tctcct tgg
V\$NF1F	Nuclear factor 1	V\$NF1.01	1169	1189	(+)	1.000	0.827	cct TTGG gtatag ccc agga
V\$HMTB	Human muscle-specific Mt binding site	V\$MTBF.01	1174	1182	(+)	0.808	0.901	gggt ATAT g
V\$CTCF	CTCF and BORIS gene family, transcriptional regulators with 11 highly conserved zinc finger domains	V\$CTCF.03	1176	1202	(+)	0.758	0.798	gtatatgc ccagg agt GGA aggtgaa
V\$RBPF	RBPJ - kappa	V\$RBPJK.02	1187	1201	(+)	1.000	0.967	ggag TGGG aaggtga
V\$IRFF	Interferon regulatory factors	V\$IRF7.01	1190	1210	(+)	0.821	0.870	gtgg GAA Ggt gaa acattaac
V\$DMRT	DM domain-containing transcription factors	V\$DMRT4.01	1193	1213	(+)	0.875	0.840	ggaag gtgaAACA ttaaccaa
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.03	1195	1211	(-)	1.000	0.959	g GTTA atg ttt cacctt

V\$ZFHx	Two-handed zinc finger homeodomain transcription factors	V\$AREB6.04	1197	1209	(-)	1.000	0.981	ttaat GTTT cacc
V\$HOXH	HOX - MEIS1 heterodimers	V\$MEIS1B_HOXA9.01	1199	1213	(+)	0.750	0.799	TGAA acatt aa ccaa
V\$HNF1	Hepatic Nuclear Factor 1	V\$HNF1.04	1202	1218	(-)	1.000	0.873	aaacattg GTTA atgtt
V\$CLOX	CLOX and CLOX homology (CDP) factors	V\$CDP.02	1205	1223	(+)	1.000	0.946	attaac CAAT gtttacat
O\$VTBP	Vertebrate TATA binding protein factor	O\$MTATA.01	1209	1225	(-)	1.000	0.843	tgat gTAAA acattggt
V\$CREB	cAMP-responsive element binding proteins	V\$E4BP4.01	1211	1231	(-)	1.000	0.862	ttagactgat GTAA aacattg
V\$E4FF	Ubiquitous GLI - Krueppel like zinc finger involved in cell cycle regulation	V\$E4F.01	1214	1226	(-)	0.842	0.853	ctg ATGT aaaaca
V\$PARE	PAR/bZIP family	V\$TEF.01	1214	1230	(-)	1.000	0.937	tagactgat GTAA aaca
V\$CEBP	Ccaat/Enhancer Binding Protein	V\$CEBP.02	1215	1229	(-)	0.971	0.935	agactgat GTA aac
V\$AARE	AARE binding factors	V\$AARE.01	1217	1225	(+)	0.885	0.958	t TTA Catca
V\$FKHD	Fork head domain factors	V\$FHXB.01	1229	1245	(-)	0.818	0.857	gactcc AAAA acattta
V\$AP1F	AP1, Activating protein 1	V\$AP1.02	1238	1248	(+)	1.000	0.874	ttg GAGT catg
V\$RORA	v-ERB and RAR-related orphan receptor alpha	V\$REV-ERBA.03	1250	1272	(-)	0.750	0.796	cagc acttagGTCT ctagg ccca
V\$BRAC	Brachyury gene, mesoderm developmental factor	V\$BRACH.01	1253	1273	(-)	1.000	0.663	ccag cacttAGGT ctctaggc
V\$NKXH	NKX homeodomain factors	V\$BAPX1.01	1259	1277	(+)	1.000	0.909	agacct AAGT gctggcaaa
V\$THAP	THAP domain containing protein	V\$THAP1.01	1266	1276	(+)	1.000	0.974	agtgt GGCA a
V\$HEAT	Heat shock factors	V\$HSF1.01	1269	1293	(-)	1.000	0.857	ttcttggtact AGAA ttgccagc
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HMGYI.01	1270	1292	(+)	1.000	0.922	ctggca AATT ctagtagccaaga
V\$XBBF	X-box binding factors	V\$MIF1.01	1280	1298	(-)	0.750	0.785	tct gttcttgGCTA ctag
V\$CAAT	CCAAT binding factors	V\$NFY.03	1283	1297	(+)	1.000	0.811	gtag CCA Agaagcag
V\$GREF	Glucocorticoid responsive and related elements	V\$PRE.01	1294	1312	(-)	1.000	0.869	tttcagcctc TGTT ctgc
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HMGYI.01	1298	1320	(-)	1.000	0.944	gctgaa AATT tcagcctctgtt
V\$E2FF	E2F-myc activator/cell cycle regulator	V\$E2F1_DP1.01	1300	1316	(+)	0.782	0.811	caga GGCT gaaaatttt
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HMGYI.01	1305	1327	(+)	1.000	0.944	gctgaa AATT tcagcaaatgag

V\$STAT	Signal transducer and activator of transcription	V\$STAT3.01	1308	1326	(-)	0.750	0.760	tcatTTGCtgaaaatttc
V\$STAT	Signal transducer and activator of transcription	V\$STAT1.01	1310	1328	(+)	0.759	0.788	aaattttcaGCAAatgaga
V\$HAND	Twist subfamily of class B bHLH transcription factors	V\$MESP1_2.01	1313	1333	(+)	0.893	0.915	tttcagCAAAtgagaggtca
V\$CAAT	CCAAT binding factors	V\$NFY.03	1316	1330	(+)	0.750	0.829	tcagCAAAtgagagg
O\$INRE	Core promoter initiator elements	O\$DINR.01	1318	1328	(-)	0.969	0.968	tcTCATttgct
V\$EREF	Estrogen response elements	V\$ER.02	1326	1344	(+)	1.000	0.873	agagGTCAgcctgggctac
V\$CP2F	CP2-erythrocyte Factor related to drosophila Elf1	V\$CP2.02	1342	1360	(-)	0.875	0.842	tCTGgaactcgctgtgta
V\$XBBF	X-box binding factors	V\$MIF1.01	1349	1367	(-)	0.850	0.836	atagttgtctGGAActcg
V\$GREF	Glucocorticoid responsive and related elements	V\$PRE.01	1355	1373	(-)	1.000	0.892	atagtgatagtTGTTctgg
V\$MEF2	MEF2, myocyte-specific enhancer binding factor	V\$SL1.01	1357	1379	(+)	1.000	0.841	agaacaaCTATcactataaagct
V\$MYT1	MYT1 C2HC zinc finger protein	V\$MYT1L.01	1357	1369	(-)	1.000	0.958	tgatAGTTgttct
O\$VTBP	Vertebrate TATA binding protein factor	O\$MTATA.01	1368	1384	(+)	1.000	0.939	cactaTAAAgctggacc
V\$CSEN	Calsenilin, presenilin binding protein, EF hand transcription factor	V\$DREAM.01	1381	1391	(-)	1.000	0.974	gaGTCAgggtc
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXD13.01	1386	1402	(+)	1.000	0.920	tgactcgaTAAAcacac
V\$GATA	GATA binding factors	V\$GATA1.05	1388	1400	(+)	1.000	0.931	actcGATAaaaca
O\$VTBP	Vertebrate TATA binding protein factor	O\$VTATA.02	1389	1405	(+)	1.000	0.924	ctcgaTAAAcactga
O\$INRE	Core promoter initiator elements	O\$DINR.01	1397	1407	(-)	1.000	0.979	gtTCAGttgtt
V\$MYBL	Cellular and viral myb-like transcriptional regulators	V\$CMYB.02	1397	1409	(+)	0.990	0.960	aaCAACtgaacaa
V\$MYT1	MYT1 C2HC zinc finger protein	V\$MYT1.02	1406	1418	(-)	1.000	0.890	tccAAGTtttgt
V\$NF1F	Nuclear factor 1	V\$NF1.02	1411	1431	(-)	1.000	0.873	aaagTGGCacttcccaagtt
V\$NF1F	Nuclear factor 1	V\$NF1.01	1411	1431	(+)	1.000	0.846	aacTTGGagaagtgccactt
V\$RUSH	SWI/SNF related nucleophosphoproteins with a RING finger DNA binding motif	V\$SMARCA3.02	1417	1427	(-)	1.000	0.987	tggcACTTctc
V\$HOME	Homeodomain transcription factors	V\$HMX3.01	1420	1438	(-)	1.000	0.897	gaattgaaAAGTggcactt
V\$PRDF	Positive regulatory domain I binding factor	V\$BLIMP1.01	1421	1439	(-)	1.000	0.833	ggaattGAAAgtaggcact

V\$IRFF	Interferon regulatory factors	V\$IRF7.01	1422	1442	(-)	0.937	0.862	gctgGAA Tg aaaagtggcac
V\$ZFTR	Zinc finger transcriptional repressor	V\$ZNF217.01	1434	1446	(-)	0.824	0.911	GAA G gctggaatt
V\$HEAT	Heat shock factors	V\$HSF1.01	1435	1459	(-)	0.857	0.852	ttgcaggaat caTGA Aggctggaat
V\$ETSF	Human and murine ETS1 factors	V\$ETS2.01	1442	1462	(-)	1.000	0.843	tagttg cAGGA atcatgaagg
V\$STAT	Signal transducer and activator of transcription	V\$STAT.01	1445	1463	(-)	1.000	0.912	atagttgca GGAA tcatga
V\$STAT	Signal transducer and activator of transcription	V\$STAT1.01	1447	1465	(+)	0.759	0.795	atgatt ctc GCA A ctattt
V\$BTBF	BTB/POZ (broad complex, TramTrack, Bric-a-brac/pox viruses and zinc fingers) transcription factor	V\$KAISO.01	1450	1460	(+)	1.000	0.987	att c CTG C aac
V\$E2FF	E2F-myc activator/cell cycle regulator	V\$E2F.01	1460	1476	(-)	1.000	0.861	agtac ac gg GAA Aatag
V\$TALE	TALE homeodomain class recognizing TG motifs	V\$TGIF.01	1469	1485	(+)	1.000	1.000	cgtgtact GTCA attta
V\$FAST	FAST-1 SMAD interacting proteins	V\$FAST1.01	1471	1487	(+)	0.850	0.821	tgtact gtc A ATT tact
V\$PBXC	PBX1 - MEIS1 complexes	V\$PBX1_MEIS1.03	1472	1488	(-)	1.000	0.790	tagt aa t TGAC agtac
V\$ZF35	Zinc finger protein ZNF35	V\$ZNF35.01	1484	1496	(-)	1.000	0.964	agcagg AAT Agta
V\$AP1R	MAF and AP1 related factors	V\$MARE.01	1486	1506	(+)	1.000	0.996	ctatt ctc GCT G acttcgitt
V\$AP1R	MAF and AP1 related factors	V\$VMAF.01	1490	1510	(+)	1.000	0.845	tc ctgc T GAC ttcgtt aaaa
V\$PAX2	PAX-2 binding sites	V\$PAX2.01	1501	1523	(-)	1.000	0.793	aac act gggtgttttt AAAC Ga
O\$VTBP	Vertebrate TATA binding protein factor	O\$MTATA.01	1501	1517	(+)	1.000	0.864	tcg ttTAAA aaacaacc
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$SOX9.03	1502	1524	(+)	0.760	0.820	cgtt taaaa aa acca GTGTg
V\$CABL	C-abl DNA binding sites	V\$CABL.01	1509	1519	(+)	1.000	0.976	aa AACA accag
V\$GRHL	Grainyhead-like transcription factors	V\$GRHL1.01	1511	1523	(-)	1.000	0.880	aac act GGTTggt
V\$GTBX	GT box	V\$ZEC.01	1513	1531	(+)	0.750	0.709	caacc agtgtGGAT gcat
V\$HOXC	HOX - PBX complexes	V\$HOX_PBX.01	1520	1536	(+)	0.944	0.883	tg ttGAT gcatgagcc
V\$PAX8	PAX-2/5/8 binding sites	V\$PAX2.02	1522	1536	(-)	0.923	0.936	gg CTCA tgcatccaa
V\$DMRT	DM domain-containing transcription factors	V\$DMRT4.01	1533	1553	(-)	0.875	0.804	aaatt ttttAACAT ttcggt
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$HMGYI.01	1543	1565	(+)	1.000	0.930	tt aaaaATT tacatat ttttta

V\$OCT1	Octamer binding protein	V\$OCT1.06	1544	1560	(-)	1.000	0.950	aatatgtaAATTttta
V\$MYT1	MYT1 C2HC zinc finger protein	V\$MYT1.01	1545	1557	(+)	0.750	0.799	aaaAAATttacat
V\$CREB	cAMP-responsive element binding proteins	V\$E4BP4.01	1545	1565	(-)	1.000	0.854	taaaaaatatGTAAattttt
V\$FAST	FAST-1 SMAD interacting proteins	V\$FAST1.02	1545	1561	(-)	0.800	0.841	aaataTGTAaattttt
V\$PARF	PAR/bZIP family	V\$VBP.01	1548	1564	(-)	1.000	0.886	aaaaaatatGTAAattt
V\$FKHD	Fork head domain factors	V\$HFH1.01	1555	1571	(-)	1.000	0.867	agaaaaTAAaaaatag
V\$CDXF	Vertebrate caudal related homeodomain protein	V\$CDX2.02	1555	1573	(+)	1.000	0.864	catattttTATtttctt
V\$EVI1	EVI1-myleoid transforming protein	V\$EVI1.04	1556	1572	(-)	0.750	0.734	aaaaaaataaaaAATAt
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXD10.01	1557	1573	(-)	1.000	0.921	aaagaaaaTAAaaaata
V\$STAT	Signal transducer and activator of transcription	V\$STAT5.01	1562	1580	(-)	0.845	0.947	cttcTTCaagaaataaaa
V\$STAT	Signal transducer and activator of transcription	V\$STAT5.01	1564	1582	(+)	1.000	0.940	tattTTCttgaagaagat
V\$LEFF	LEF1/TCF	V\$LEF1.02	1565	1581	(-)	1.000	0.986	tcttctCAAAGaaaat
V\$EVI1	EVI1-myleoid transforming protein	V\$EVI1.07	1570	1586	(+)	1.000	0.903	ctttgAGAagataaaa
V\$EVI1	EVI1-myleoid transforming protein	V\$EVI1.06	1573	1589	(+)	1.000	0.875	tgaagaAGATaaaaaga
V\$GATA	GATA binding factors	V\$GATA1.03	1576	1588	(+)	1.000	0.963	agaaGATAaaaag
V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX3.01	1590	1608	(+)	1.000	0.925	ggagatctgTAATTtctaa
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB6.01	1591	1609	(-)	1.000	0.862	cttagaAATTacagatctc
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB6.01	1594	1612	(+)	1.000	0.874	atctgtAATTtctaagaaa
V\$ATBF	AT-binding transcription factor	V\$ATBF1.01	1597	1613	(-)	1.000	0.830	gtttcttagaAATTaca
V\$STAT	Signal transducer and activator of transcription	V\$STAT5.01	1597	1615	(-)	1.000	0.982	aagtTTCttagaattaca
V\$XBBF	X-box binding factors	V\$MIF1.01	1598	1616	(+)	0.850	0.768	gtaatttctaaGAActtg
V\$BCL6	POZ domain zinc finger expressed in B-Cells	V\$BCL6.02	1598	1614	(-)	1.000	0.925	agtttctTAGAaattac

V\$STAT	Signal transducer and activator of transcription	V\$STAT5.01	1599	1617	(+)	1.000	0.971	taat TTCT aagaaactga
V\$P53F	p53 tumor suppressor	V\$P53.01	1608	1630	(+)	0.844	0.743	agaaa CTTG attgg cc tgctga
V\$MYT1	MYT1 C2HC zinc finger protein	V\$MYT1.01	1608	1620	(+)	0.750	0.757	aga AACT tgattt
V\$HNF6	Onecut homeodomain factor HNF6	V\$HNF6.01	1609	1625	(-)	1.000	0.827	aggccaaa TCA Agtttc
V\$CP2F	CP2-erythrocyte Factor related to drosophila Elf1	V\$CP2.01	1611	1629	(+)	0.909	0.902	aa CTTG attgg cc tgctg
V\$AP1R	MAF and AP1 related factors	V\$MARE.03	1622	1642	(+)	1.000	0.840	gcct GCTG agtccagccacta
V\$SP1F	GC-Box factors SP1/GC	V\$SP2.01	1628	1642	(-)	1.000	0.819	tagtgg ctGGAC tca
V\$PAX2	PAX-2 binding sites	V\$PAX2.01	1649	1671	(-)	1.000	0.789	gcaatttacttggcta AAAC ct
V\$ARID	AT rich interactive domain factor	V\$JARID2.01	1653	1671	(-)	1.000	0.952	gcaat TTT Acttggtaaa
V\$HOXH	HOX - MEIS1 heterodimers	V\$MEIS1B_HOXA9.01	1659	1673	(-)	0.750	0.802	TGGC aattttacttg
V\$MYT1	MYT1 C2HC zinc finger protein	V\$MYT1.01	1660	1672	(-)	0.750	0.844	ggc AATT tactt
V\$CLOX	CLOX and CLOX homology (CDP) factors	V\$CDP.02	1666	1684	(+)	1.000	0.944	aattgc CAAT ttctaaga
V\$BCL6	POZ domain zinc finger expressed in B-Cells	V\$BCL6.02	1672	1688	(-)	1.000	0.851	ttt ctc TAGAaaattg
V\$PRDF	Positive regulatory domain I binding factor	V\$PRDM1.01	1679	1697	(+)	1.000	0.837	cta agaGAA Agggtagca
V\$BRNF	Brn POU domain factors	V\$BRN2.01	1692	1710	(-)	0.767	0.887	ct AAT Gagcaatgtgctag
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$PHOX2.01	1694	1714	(-)	1.000	0.914	tgct TAAT gagcaatgtgct
V\$BRN5	Brn-5 POU domain factors	V\$BRN5.04	1695	1717	(+)	1.000	0.927	gcacattg ctcATTA gagcattc
V\$LHXF	Lim homeodomain factors	V\$LHX6.01	1695	1717	(+)	0.777	0.846	gcacattgc TCAT tagagcattc
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$IPF1.01	1695	1713	(+)	0.789	0.844	gcacattgc TCAT tagagc
V\$LHXF	Lim homeodomain factors	V\$LHX8.01	1696	1718	(-)	0.771	0.861	agaatgct ctAATG agcaatgtg
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXB3.01	1696	1714	(-)	1.000	0.903	tgctc TAATG agcaatgtg
V\$HBOX	Homeobox transcription factors	V\$GSH2.01	1697	1715	(-)	1.000	0.969	atgctc TAAT gagcaatgt

V\$HBOX	Homeobox transcription factors	V\$EVX1.01	1698	1716	(+)	1.000	0.876	cattgctcATTAgagcatt
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXD3.01	1699	1717	(+)	0.799	0.855	attgctCATTAgagcattc
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$IPF1.01	1700	1718	(-)	1.000	0.841	agaatgctcTAATGagcaa
V\$ZFTR	Zinc finger transcriptional repressor	V\$ZNF217.01	1705	1717	(-)	1.000	0.903	GAA Tgctctaag
V\$HEAT	Heat shock factors	V\$HSF2.02	1706	1730	(-)	1.000	0.960	acaggcaagctcAGAA Tgctctaag
V\$NFAT	Nuclear factor of activated T-cells	V\$NFAT.01	1733	1751	(-)	1.000	0.960	gggtaGGA Aaaaaagatt
V\$CIZF	CAS interacting zinc finger protein	V\$NMP4.01	1736	1746	(-)	1.000	0.978	ggAAAAaaaag
V\$CHOP	C/EBP homologous protein (CHOP)	V\$CHOP.01	1749	1761	(+)	1.000	0.931	ccctGCAAttcc
V\$ETSF	Human and murine ETS1 factors	V\$CETS1P54.01	1749	1769	(-)	0.902	0.929	aacgcaCAGGaattgcaggg
V\$MYBL	Cellular and viral myb-like transcriptional regulators	V\$VMYB.04	1760	1772	(-)	1.000	0.903	tatAACGcacagg
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXC9.01	1763	1779	(+)	0.884	0.831	gtgcgttaTAAAcgaaa
V\$CDXF	Vertebrate caudal related homeodomain protein	V\$CDX2.02	1763	1781	(-)	1.000	0.858	ggtttcgtTTATaacgcac
O\$VTBP	Vertebrate TATA binding protein factor	O\$VTATA.01	1766	1782	(+)	1.000	0.913	cgttaTAAAcgaaacct
V\$HOME	Homeodomain transcription factors	V\$HMX2.02	1769	1787	(+)	1.000	0.837	tataaacgAAACctttcta
V\$HOME	Homeodomain transcription factors	V\$HMX2.02	1774	1792	(-)	0.750	0.854	acagctagAAAGgtttcgt
V\$LHXF	Lim homeodomain factors	V\$ISL1.01	1784	1806	(+)	1.000	0.821	tctagctgtTAATgcaggctgtg
V\$HOME	Homeodomain transcription factors	V\$BARX2.01	1786	1804	(+)	1.000	0.955	tagctgtTAATgcaggctg
V\$FAST	FAST-1 SMAD interacting proteins	V\$FAST1.02	1798	1814	(+)	1.000	0.900	caggcTGTGaattgaag
V\$LHXF	Lim homeodomain factors	V\$LHX3.02	1816	1838	(+)	1.000	0.825	aaaaaaaaagcatgTAATtaatca
V\$PARE	PAR/bZIP family	V\$VBP.01	1819	1835	(+)	1.000	0.864	aaaaagcatGTAAttaa
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$S8.01	1819	1839	(-)	1.000	0.992	atgatTAATi acatgctttt
V\$LHXF	Lim homeodomain factors	V\$LHX9.01	1820	1842	(+)	1.000	0.902	aaaagcatgtAATTaatcatagg
V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$IPF1.01	1820	1838	(+)	1.000	0.928	aaaagcatgTAATtaatca

V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX1.02	1820	1838	(+)	1.000	0.990	aaaagcatgt AATT aatca
V\$LHXF	Lim homeodomain factors	V\$LHX3.01	1821	1843	(-)	1.000	0.906	tcctatga TTAA tacatgcttt
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXC8.01	1821	1839	(-)	1.000	0.989	atgatt aATT Acatgcttt
V\$HBOX	Homeobox transcription factors	V\$VAX2.01	1822	1840	(-)	1.000	0.939	tatgatt aATT Acatgctt
V\$BRNF	Brn POU domain factors	V\$BRN4.01	1822	1840	(+)	1.000	0.912	aagcatgta TAAT cata
V\$HOME	Homeodomain transcription factors	V\$BSX.01	1822	1840	(+)	1.000	0.962	aagcatgt AATT aatcata
V\$BRNF	Brn POU domain factors	V\$BRN3.03	1823	1841	(-)	1.000	0.937	ctatga TAAT tacatgct
V\$HBOX	Homeobox transcription factors	V\$VAX1.01	1823	1841	(+)	1.000	0.938	agcatgt AATT aatcatag
V\$NKX1	NK1 homeobox transcription factors	V\$NKX12.01	1823	1839	(-)	1.000	0.870	atgatt AATT acatgct
V\$OCT1	Octamer binding protein	V\$OCT1.05	1823	1839	(+)	1.000	0.954	ag CAT Gta att aatcat
V\$ARID	AT rich interactive domain factor	V\$BRIGHT.01	1823	1841	(+)	1.000	0.949	agcatgt aATT Aatcatag
V\$HOME	Homeodomain transcription factors	V\$BSX.01	1823	1841	(-)	1.000	0.955	ctatgatt AATT acatgct
V\$LHXF	Lim homeodomain factors	V\$LHX3.01	1824	1846	(+)	1.000	0.850	gcatgta TTAA tcataggaggt
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXC8.01	1824	1842	(+)	1.000	0.970	gcatgt aATT Aatcatagg
V\$NKX6	NK6 homeobox transcription factors	V\$NKX63.01	1824	1838	(+)	1.000	0.879	gcatgt TAAT aatca
V\$OCT1	Octamer binding protein	V\$OCT1.03	1824	1840	(-)	1.000	0.939	tatgatt aATT Acatgc
V\$PAXH	PAX homeodomain binding sites	V\$PAX6_HD.01	1824	1838	(-)	1.000	0.934	tgatt AATT acatgc
V\$ABDB	Abdominal-B type homeodomain transcription factors	V\$HOXA9.01	1824	1840	(+)	1.000	0.937	gcatgta attAAT Cata
V\$NKX1	NK1 homeobox transcription factors	V\$NKX12.01	1824	1840	(+)	1.000	0.882	gcatgt AATT aatcata
V\$CART	Cart-1 (cartilage homeoprotein 1)	V\$S8.01	1824	1844	(+)	1.000	0.997	gcatgt TAAT tacataggag
V\$HOXF	Paralog hox genes 1-8 from the four hox clusters A, B, C, D	V\$HOXD8.01	1825	1843	(-)	1.000	0.816	tcctatg ATTA attacatg
V\$PAXH	PAX homeodomain binding sites	V\$PAX4.02	1825	1839	(+)	1.000	0.912	catgt AATT aatcat

V\$PDX1	Pancreatic and intestinal homeodomain transcription factor	V\$IPF1.01	1825	1843	(-)	1.000	0.927	tcctatgatTAATtacatg
V\$LHXF	Lim homeodomain factors	V\$LMX1B.01	1825	1847	(-)	1.000	0.941	aacctcctatgatTAATtacatg
V\$NKX6	NK6 homeobox transcription factors	V\$NKX61.01	1825	1839	(-)	1.000	1.000	atgaTTAAttacatg
V\$DLXF	Distal-less homeodomain transcription factors	V\$DLX2.01	1825	1843	(-)	1.000	0.973	tcctatgattAATTacatg
V\$HOXC	HOX - PBX complexes	V\$PBX_HOXA9.01	1826	1842	(-)	1.000	0.849	cctaTGATtaattacat
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.02	1826	1840	(-)	1.000	0.904	tatgaTTAAttacat
V\$BRNF	Brn POU domain factors	V\$BRN3.03	1826	1844	(+)	1.000	0.929	atgtaatTAATcataggag
V\$MEF2	MEF2, myocyte-specific enhancer binding factor	V\$SL1.01	1826	1848	(-)	1.000	0.872	caacctcCTATgattaattacat
V\$ATBF	AT-binding transcription factor	V\$ATBF1.01	1827	1843	(-)	1.000	0.808	tcctatgattAATTaca
V\$PIT1	GHF-1 pituitary specific pou domain transcription factor	V\$PIT1.02	1827	1841	(+)	1.000	0.907	tgtaaTTAAtcatag
V\$NKX6	NK6 homeobox transcription factors	V\$NKX63.01	1828	1842	(+)	1.000	0.894	gtaatTAATcatagg
V\$BCDF	Bicoid-like homeodomain transcription factors	V\$CRX.01	1828	1844	(+)	1.000	0.941	gtaatTAATcataggag
V\$ZBPF	Zinc binding protein factors	V\$ZNF219.01	1837	1859	(-)	1.000	0.939	gcgaacaCCCCcaacctcctatg
V\$KLFS	Krüppel like transcription factors	V\$KLF6.01	1844	1860	(+)	1.000	0.920	gggtGGGGgtgttcgct
V\$GLIF	GLI zinc finger family	V\$ZIC2.01	1845	1859	(-)	1.000	0.933	gcgaacaCCCCcaac
V\$MYBL	Cellular and viral myb-like transcriptional regulators	V\$VMYB.02	1862	1874	(-)	0.820	0.901	tgtAACTgaagct
V\$PAX6	PAX-4/PAX-6 paired domain binding sites	V\$PAX6.02	1863	1881	(+)	0.865	0.899	gcttcagttACAGgggaga
V\$INSM	Insulinoma associated factors	V\$INSM1.01	1870	1882	(+)	1.000	0.901	ttacaGGGGagaa
V\$ZNFP	Zinc finger proteins	V\$SZF1.01	1872	1896	(+)	0.801	0.859	acaGGGGagaagctggacaaggcac
V\$MOKE	Mouse Krüppel like factor	V\$MOK2.02	1886	1906	(-)	1.000	0.988	ctaggctcctagtCCTTgtcc
V\$MYT1	MYT1 C2HC zinc finger protein	V\$MYT1L.01	1907	1919	(-)	1.000	0.945	ggatAGTTgcctt

V\$NF1F	Nuclear factor 1	V\$NF1.03	1912	1932	(+)	0.853	0.923	aactatccaccctGGCAggaa
V\$KLFS	Krueppel like transcription factors	V\$EKLF.01	1914	1930	(-)	1.000	0.926	cctgccGGGTggatag
V\$ETSF	Human and murine ETS1 factors	V\$ETS2.01	1921	1941	(+)	1.000	0.911	ccctggcAGGAatttctgct
V\$BTBF	BTB/POZ (broad complex, TramTrack, Bric-a-brac/pox viruses and zinc fingers) transcription factor	V\$KAISO.01	1923	1933	(-)	1.000	0.994	attcCTGCcag
V\$SORY	SOX/SRY-sex/testis determinig and related HMG box factors	V\$SOX2.01	1948	1970	(+)	1.000	0.992	tcagacaACAAaggcatagagag
V\$LEFF	LEF1/TCF	V\$LEF1.01	1949	1965	(+)	1.000	0.927	cagacaaCAAaggcata
V\$CAAT	CCAAT binding factors	V\$NFY.04	1965	1979	(-)	1.000	0.920	aaaaCCAAtctctct
V\$HNF6	Onecut homeodomain factor HNF6	V\$OC2.01	1967	1983	(-)	0.750	0.823	aaagaaAACCAatctct
V\$CAAT	CCAAT binding factors	V\$NFY.03	1996	2010	(+)	1.000	0.825	ccacCCAAccagcag