

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00084	MZF1	
		M00649	MAZ	
		M00922	SRF	
X_2	SUM	M00076	GATA-2	
		M00241	Nkx2-5	
		M00981	CREBATF	
X_3	SUM	M00793	YY1	
		M00962	AR	

Table 1: TRANSFAC MARS predictor for AdiposeTissue.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.0273	FG by default
+ 0.000431 $f(X_1 - 303.0)$	FG if X_1 scores high
- 0.0435 $f(X_2 - 18.7)$	BG if X_2 scores high
- 1.07 $f(X_3 - 22.4)$	BG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00800	AP-2	
		M00808	Pax	
		M00931	Sp-1	
X_2	PRODUCT	M00716	ZF5	
		M00800	AP-2	
		M01014	SOX	
X_3	SUM	M00716	ZF5	
		M00761	p53decamer	

Table 2: TRANSFAC MARS predictor for AdiposeTissue.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.0416	BG by default
- 0.00165 $f(651.0 - X_1)$	BG if X_1 scores low
+ 0.000183 $f(X_1 - 651.0)$	FG if X_1 scores high
+ 0.261 $f(207.0 - X_2) f(X_1 - 651.0)$	FG if X_2 scores low and X_1 scores high
+ 2.26E-7 $f(X_2 - 207.0) f(X_1 - 651.0)$	FG if X_2 scores high and X_1 scores high
+ 0.00989 $f(11.6 - X_3) f(X_1 - 651.0)$	FG if X_3 scores low and X_1 scores high
- 0.0000136 $f(X_3 - 11.6) f(X_1 - 651.0)$	BG if X_3 scores high and X_1 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00734	CIZ	
		M01010	HMG1Y	
X_2	PRODUCT	M00255	GC	
		M00469	AP-2 α	
		M00974	SMAD	
X_3	MAX	M00690	AP-3	

Table 3: TRANSFAC MARS predictor for AdrenalGland.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.0784	BG by default
+ 0.00466 $f(158.0 - X_1)$	FG if X_1 scores low
+ 0.0349 $f(X_1 - 158.0)$	FG if X_1 scores high
- 0.000253 $f(1430.0 - X_2) f(10.2 - X_3)$	BG if X_2 scores low and X_3 scores low
- 0.000536 $f(1430.0 - X_2) f(X_3 - 10.2)$	BG if X_2 scores low and X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00189	AP-2	
		M00322	c-Myc-Max	
		M00803	E2F	

Table 4: TRANSFAC MARS predictor for AdrenalGland.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.288	FG by default
- 0.066 $f(29.2 - X_1)$	BG if X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00033	p300	
		M00087	Ik-2	
		M00141	Lyf-1	
X_2	PRODUCT	M00185	NF-Y	
		M00749	SREBP-1	
X_3	PRODUCT	M00808	Pax	
		M00963	T3R	

Table 5: TRANSFAC MARS predictor for Amygdala.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.572	BG by default
+ 0.00117 $f(1130.0 - X_1)$	FG if X_1 scores low
+ 0.000387 $f(X_1 - 1130.0)$	FG if X_1 scores high
+ 0.00687 $f(121.0 - X_2)$	FG if X_2 scores low
+ 0.0174 $f(X_2 - 121.0)$	FG if X_2 scores high
- 0.0000553 $f(X_3 - 95.8) f(1130.0 - X_1)$	BG if X_3 scores high and X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00025	Elk-1	
		M00482	PITX2	

Table 6: TRANSFAC MARS predictor for Amygdala.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.65	BG by default
+ 0.00852 $f(161.0 - X_1)$	FG if X_1 scores low




Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00394	Msx-1	
		M00652	Nrf-1	
		M01002	DEAF1	

Table 7: TRANSFAC MARS predictor for BoneMarrow.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.135	BG by default
+ 0.00296 $f(268.0 - X_1)$	FG if X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00652	Nrf-1	
		M00803	E2F	
		M00965	LXR-PXR-COUP	
X_2	MAX	M00200	CCAAT	

Table 8: TRANSFAC MARS predictor for BoneMarrow.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.273	BG by default
+ 0.00111 $f(735.0 - X_1)$	FG if X_1 scores low
- 0.0000939 $f(735.0 - X_1)(X_2 + 6.67)$	BG if X_1 scores low and X_2 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00017	ATF	
		M00032	c-Ets-1	
		M00793	YY1	
X_2	SUM	M00446	Spz1	
		M00993	TAL1	
X_3	PRODUCT	M00032	c-Ets-1	
		M00804	E2A	

Table 9: TRANSFAC MARS predictor for CD4TCells.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.354	BG by default
+ 0.0831 $f(X_1 - 25.8)$	FG if X_1 scores high
+ 0.0377 $f(25.8 - X_1) f(17.6 - X_2)$	FG if X_1 scores low and X_2 scores low
- 0.0227 $f(25.8 - X_1) f(X_2 - 17.6)$	BG if X_1 scores low and X_2 scores high
+ 0.0318 $f(61.4 - X_3)$	FG if X_3 scores low
+ 0.00632 $f(X_3 - 61.4)$	FG if X_3 scores high


Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00025	Elk-1	
		M00482	PITX2	

Table 10: TRANSFAC MARS predictor for CD4TCells.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.3	BG by default
+ 0.0756 $f(X_1 - 14.8)$	FG if X_1 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00743	c-Ets-1	
		M00793	YY1	
X_2	PRODUCT	M00227	v-Myb	
		M00691	ATF-1	

Table 11: TRANSFAC MARS predictor for CD8TCells.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.495	FG by default
- 0.0788 $f(24.5 - X_1)$	BG if X_1 scores low
- 0.00355 $f(24.5 - X_1) f(45.1 - X_2)$	BG if X_1 scores low and X_2 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00025	Elk-1	
		M00317	PolyA	
		M00761	p53decamer	

Table 12: TRANSFAC MARS predictor for CD8TCells.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.639	FG by default
- 0.000761 $f(1680.0 - X_1)$	BG if X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00025	Elk-1	
		M00128	GATA-1	
		M00622	C/EBP γ	
X_2	SUM	M00084	MZF1	
		M00720	CAC-bind	
X_3	SUM	M00025	Elk-1	
		M00777	STAT	

Table 13: TRANSFAC MARS predictor for Cerebellum.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.7	BG by default
+ 0.0327 $f(41.2 - X_1)$	FG if X_1 scores low
+ 1.86 $f(X_1 - 41.2)$	FG if X_1 scores high
+ 0.0923 $f(17.4 - X_2)$	FG if X_2 scores low
+ 0.113 $f(X_2 - 17.4)$	FG if X_2 scores high
- 0.0212 $f(X_2 - 17.4) f(X_3 - 17.5)$	BG if X_2 scores high and X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00716	ZF5	
		M00720	CAC-bind	
X_2	MAX	M00036	v-Jun	
X_3	PRODUCT	M00070	Tal-1 β	
		M00729	Cdx-2	

Table 14: TRANSFAC MARS predictor for Cerebellum.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.245	FG by default
- 0.0692 $f(23.1 - X_1)$	BG if X_1 scores low
- 0.17 $f(X_1 - 23.1)$	BG if X_1 scores high
+ 0.0686 $f(3.5 - X_2)$	FG if X_2 scores low
+ 0.0715 $f(X_2 - 3.5)$	FG if X_2 scores high
- 0.0131 $f(23.3 - X_3)$	BG if X_3 scores low
- 0.00434 $f(X_3 - 23.3)$	BG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00695	ETF	
		M00803	E2F	
X_2	PRODUCT	M00695	ETF	
		M00793	YY1	
X_3	MAX	M00801	CREB	

Table 15: TRANSFAC MARS predictor for DorsalRootGanglia.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.314	FG by default
- 0.0439 $f(X_1 - 79.5)$	BG if X_1 scores high
- 0.0146 $f(X_2 - 86.4)$	BG if X_2 scores high
+ 0.112 $f(9.82 - X_3)$	FG if X_3 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00469	AP-2 α	
		M00716	ZF5	
		M00927	AP-4	

Table 16: TRANSFAC MARS predictor for DorsalRootGanglia.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.194	FG by default
- 0.00161 $f(730.0 - X_1)$	BG if X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00133	Tst-1	
		M00136	Oct-1	
		M00729	Cdx-2	
X_2	PRODUCT	M00002	E47	
		M00701	SMAD-3	
		M00810	SRF	
X_3	PRODUCT	M00646	LF-A1	
		M00959	ER	
		M01009	HES1	

Table 17: TRANSFAC MARS predictor for Heart.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.0395	BG by default
+ 0.000331 $f(1110.0 - X_1)$	FG if X_1 scores low
- 0.000839 $f(903.0 - X_2)$	BG if X_2 scores low
- 0.0000148 $f(390.0 - X_3) f(1110.0 - X_1)$	BG if X_3 scores low and X_1 scores low
+ 0.00000108 $f(X_3 - 390.0) f(1110.0 - X_1)$	FG if X_3 scores high and X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00157	ROR α 2	
		M00231	MEF-2	
		M00766	LXR	
X_2	SUM	M00314	GEN-INI	
		M00712	myogenin	
		M00743	c-Ets-1	
X_3	PRODUCT	M00423	FOXJ2	
		M00985	Stra13	

Table 18: TRANSFAC MARS predictor for Heart.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.31	BG by default
+ 0.0241($X_1 + 1.9$)	FG if X_1 scores high
- 0.248 $f(21.3 - X_2)$	BG if X_2 scores low
- 0.00181 $f(52.0 - X_3) f(X_2 - 21.3)$	BG if X_3 scores low and X_2 scores high
- 0.000767 $f(X_3 - 52.0) f(X_2 - 21.3)$	BG if X_3 scores high and X_2 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00413	AREB6	
		M00526	GCNF	
		M00769	AML	
X_2	SUM	M00196	Sp1	
		M00243	Egr-1	
		M00734	CIZ	
X_3	SUM	M00063	IRF-2	
		M00794	TTF-1	

Table 19: TRANSFAC MARS predictor for Hypothalamus.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.0285	BG by default
- 0.0323 $f(X_1 - 20.0)$	BG if X_1 scores high
+ 0.00257 $f(X_2 - 18.7) f(23.7 - X_3)$	FG if X_2 scores high and X_3 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00491	MAZR	
		M00652	Nrf-1	
		M00695	ETF	
X_2	PRODUCT	M00239	v-ErbA	
		M00492	STAT1	
		M00515	PPARG	
X_3	PRODUCT	M00136	Oct-1	
		M00695	ETF	

Table 20: TRANSFAC MARS predictor for Hypothalamus.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.523	FG by default
- 0.00113 $f(592.0 - X_1)$	BG if X_1 scores low
- 0.000505 $(X_2 + 190.0)$	BG if X_2 scores high
- 0.00465 $f(145.0 - X_3)$	BG if X_3 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00025	Elk-1	
		M00652	Nrf-1	
		M01010	HMG1Y	
X_2	PRODUCT	M00083	MZF1	
		M00319	MEF-3	
		M00646	LF-A1	
X_3	PRODUCT	M00025	Elk-1	
		M00402	MEF-2	

Table 21: TRANSFAC MARS predictor for Kidney.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 1.53	FG by default
- 0.0513 $f(X_1 - 8.84)$	BG if X_1 scores high
- 0.000397 $f(1640.0 - X_2)$	BG if X_2 scores low
- 0.352 $f(1640.0 - X_2) f(8.47 - X_3)$	BG if X_2 scores low and X_3 scores low
- 0.00000362 $f(1640.0 - X_2) f(X_3 - 8.47)$	BG if X_2 scores low and X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00134	HNF-4	
		M00469	AP-2 α	
		M00792	SMAD	
X_2	SUM	M00134	HNF-4	
		M00684	XPF-1	
		M00792	SMAD	

Table 22: TRANSFAC MARS predictor for Kidney.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.177	FG by default
- 0.00305 $f(653.0 - X_1)$	BG if X_1 scores low
- 0.00563 $f(X_1 - 653.0) f(26.2 - X_2)$	BG if X_1 scores high and X_2 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	Novel1	None	
		Novel2	None	
		Novel3	None	
X_2	SUM	Novel6	None	
		Novel7	None	
X_3	PRODUCT	Novel4	None	
		Novel5	None	

Table 23: DME+TRANSFAC MARS predictor for Liver.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.195	FG by default
+ 0.038($X_1 - 13.5$)	FG if X_1 scores high
- 0.0304($X_2 + 0.417$)	BG if X_2 scores high
- 0.00354($X_3 + 9.26$)	BG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00332	Whn	
		M00716	ZF5	
X_2	SUM	M00042	Sox-5	
		M00716	ZF5	

Table 24: TRANSFAC MARS predictor for Liver.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.368	FG by default
- 0.00125 $f(X_1 - 6.54) f(X_2 - 11.8)$	BG if X_1 scores high and X_2 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00162	Oct-1	
		M00639	HNF-6	
		M00802	Pit-1	
X_2	SUM	M00008	Sp1	
		M00701	SMAD-3	

Table 25: TRANSFAC MARS predictor for Lung.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.48	BG by default
+ 0.00101 $f(1560.0 - X_1)$	FG if X_1 scores low
- 0.0000905 $f(23.0 - X_2) f(1560.0 - X_1)$	BG if X_2 scores low and X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00665	Sp3	
		M00720	CAC-bind	
		M00915	AP-2	
X_2	SUM	M00138	Oct-1	
		M00451	NKX3A	
		M00463	POU3F2	
X_3	MAX	M00947	CP2-LBP-1c-LSF	

Table 26: TRANSFAC MARS predictor for Lung.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.421	FG by default
- 0.000566 $f(1210.0 - X_1)$	BG if X_1 scores low
+ 0.000263 $f(X_1 - 1210.0)$	FG if X_1 scores high
+ 0.0693 $f(13.2 - X_2)$	FG if X_2 scores low
- 0.0236 $f(X_2 - 13.2)$	BG if X_2 scores high
+ 0.0083 $f(13.2 - X_2) f(5.92 - X_3)$	FG if X_2 scores low and X_3 scores low
- 0.0377 $f(13.2 - X_2) f(X_3 - 5.92)$	BG if X_2 scores low and X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00419	MEIS1	
		M00658	PU.1	
		M00806	NF-1	
X_2	SUM	M00059	YY1	
		M00235	AhR-Arnt	
		M00774	NF-κB	

Table 27: TRANSFAC MARS predictor for LymphNode.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.375	BG by default
+ 0.0816 $f(X_1 - 27.5)$	FG if X_1 scores high
+ 0.0362 $f(X_2 - 18.6)$	FG if X_2 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00466	HIF-1	
		M00801	CREB	
		M00803	E2F	
X_2	SUM	M00035	v-Maf	
		M00277	Lmo2	
		M00658	PU.1	
X_3	PRODUCT	M00466	HIF-1	
		M00801	CREB	

Table 28: TRANSFAC MARS predictor for LymphNode.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.898	FG by default
- 0.0788 $f(20.3 - X_1)$	BG if X_1 scores low
- 0.103 $f(X_1 - 20.3)$	BG if X_1 scores high
- 0.0547 $f(36.0 - X_2)$	BG if X_2 scores low
- 0.0498 $f(X_1 - 20.3) f(45.2 - X_3)$	BG if X_1 scores high and X_3 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00025	Elk-1	
		M00803	E2F	
		M00961	VDR	
X_2	SUM	M00444	VDR	
		M00935	NF-AT	
X_3	SUM	M00025	Elk-1	
		M00155	ARP-1	

Table 29: TRANSFAC MARS predictor for OlfactoryBulb.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.224	FG by default
- 0.0969 $f(X_1 - 22.9)$	BG if X_1 scores high
+ 0.0632 $f(X_2 - 16.3)$	FG if X_2 scores high
- 0.15 $f(15.4 - X_3)$	BG if X_3 scores low
- 0.044 $f(X_3 - 15.4)$	BG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00025	Elk-1	
		M00422	FOXJ2	
		M00482	PITX2	
X_2	SUM	M00626	RFX1	
		M00720	CAC-bind	
X_3	PRODUCT	M00025	Elk-1	
		M00415	AREB6	

Table 30: TRANSFAC MARS predictor for OlfactoryBulb.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.157	FG by default
- 0.0619 $f(X_1 - 12.0)$	BG if X_1 scores high
+ 0.00366 $f(X_2 - 10.5) f(X_1 - 12.0)$	FG if X_2 scores high and X_1 scores high
+ 0.00624 $f(143.0 - X_3)$	FG if X_3 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00428	E2F-1	
		M00695	ETF	
		M00793	YY1	
X_2	PRODUCT	M00652	Nrf-1	
		M00976	AHRHIF	

Table 31: TRANSFAC MARS predictor for Ovary.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.857	BG by default
+ 0.00101 $f(1140.0 - X_1)$	FG if X_1 scores low
+ 0.00427 $f(166.0 - X_2)$	FG if X_2 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00189	AP-2	
		M00716	ZF5	
X_2	PRODUCT	M00412	AREB6	
		M00802	Pit-1	
X_3	SUM	M00144	BSAP	
		M00716	ZF5	

Table 32: TRANSFAC MARS predictor for Ovary.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.567	FG by default
- 0.0219 $f(74.5 - X_1)$	BG if X_1 scores low
- 0.0036 $f(X_2 - 19.4)$	BG if X_2 scores high
- 0.0264 $f(X_1 - 74.5) f(13.6 - X_3)$	BG if X_1 scores high and X_3 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00025	Elk-1	
		M00489	Nkx6-2	
		M00976	AHRHIF	
X_2	PRODUCT	M00444	VDR	
		M00511	ERR α	
		M00698	HEB	

Table 33: TRANSFAC MARS predictor for Pancreas.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.88	FG by default
- 0.0588 $f(X_1 - 16.4)$	BG if X_1 scores high
- 0.000765 $f(1150.0 - X_2)$	BG if X_2 scores low


Module	Feature	MotifName	Factor	Logo
X_1	MAX	M00803	E2F	

Table 34: TRANSFAC MARS predictor for Pancreas.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.532	FG by default
- 0.265 $f(X_1 - 6.52)$	BG if X_1 scores high




Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00251	XBP-1	
		M00257	RREB-1	
		M00651	NF-muE1	

Table 35: TRANSFAC MARS predictor for Pituitary.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.247	FG by default
- 0.000895 $f(752.0 - X_1)$	BG if X_1 scores low







Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00249	CHOP-C/EBP α	
		M00329	Pax-9	
		M00761	p53decamer	
X_2	PRODUCT	M00460	STAT5A	
		M00727	SF-1	
		M00775	NF-Y	

Table 36: TRANSFAC MARS predictor for Pituitary.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.245	BG by default
+ 0.000074 $f(X_1 - 17.8) f(982.0 - X_2)$	FG if X_1 scores high and X_2 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00446	Spz1	
		M00491	MAZR	
X_2	PRODUCT	M00465	POU6F1	
		M00630	FOXM1	
		M00639	HNF-6	
X_3	PRODUCT	M00420	MEIS1AHOXA9	
		M00510	Lhx3	
		M00630	FOXM1	

Table 37: TRANSFAC MARS predictor for Placenta.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.373	FG by default
- 0.0545 $f(25.7 - X_1)$	BG if X_1 scores low
- 0.00549 $f(107.0 - X_2)$	BG if X_2 scores low
- 0.000306 $f(X_2 - 107.0)$	BG if X_2 scores high
+ 0.00113 $f(476.0 - X_3)$	FG if X_3 scores low
+ 0.000333 $f(X_3 - 476.0)$	FG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00102	CDP	
		M00920	E2F	
		M00979	PAX6	

Table 38: TRANSFAC MARS predictor for Placenta.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.212	FG by default
- 0.000557($X_1 + 94.4$)	BG if X_1 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00932	Sp-1	
		M00975	RFX	
X_2	PRODUCT	M00410	SOX-9	
		M00418	TGIF	
		M00478	Cdc5	
X_3	SUM	M00932	Sp-1	
		M00992	FOXP3	

Table 39: TRANSFAC MARS predictor for Prostate.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.61	FG by default
- 0.107 $f(23.9 - X_1)$	BG if X_1 scores low
- 0.314 $f(X_1 - 23.9)$	BG if X_1 scores high
- 0.0321 $f(42.3 - X_2)$	BG if X_2 scores low
- 0.000942 $f(X_2 - 42.3)$	BG if X_2 scores high
+ 0.0000643 $f(31.5 - X_3) f(X_2 - 42.3)$	FG if X_3 scores low and X_2 scores high
+ 0.00729 $f(X_3 - 31.5) f(X_2 - 42.3)$	FG if X_3 scores high and X_2 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00793	YY1	
		M00803	E2F	
X_2	PRODUCT	M00086	Ik-1	
		M01011	HNF1	

Table 40: TRANSFAC MARS predictor for Prostate.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.218	BG by default
+ 0.0000963 $f(X_1 - 28.3) f(131.0 - X_2)$	FG if X_1 scores high and X_2 scores low






Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00100	CdxA	
		M00159	C/EBP	
		M00624	DBP	
X_2	PRODUCT	M00695	ETF	
		M00939	E2F-1	

Table 41: TRANSFAC MARS predictor for SalivaryGland.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.667	BG by default
+ 0.133 $f(X_1 - 22.8)$	FG if X_1 scores high
+ 0.00898 $f(102.0 - X_2)$	FG if X_2 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00743	c-Ets-1	
		M00918	E2F	

Table 42: TRANSFAC MARS predictor for SalivaryGland.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.251	BG by default
+ 0.0121 $f(85.9 - X_1)$	FG if X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00695	ETF	
		M00743	c-Ets-1	
		M00939	E2F-1	
X_2	PRODUCT	M00652	Nrf-1	
		M00743	c-Ets-1	
X_3	SUM	M00632	GATA-4	
		M00711	Zta	

Table 43: TRANSFAC MARS predictor for SkeletalMuscle.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 1.07	BG by default
+ 0.00106 $f(773.0 - X_1)$	FG if X_1 scores low
- 0.000306 $f(X_1 - 773.0)$	BG if X_1 scores high
+ 0.00554 $f(207.0 - X_2)$	FG if X_2 scores low
+ 2.31 $f(X_2 - 207.0)$	FG if X_2 scores high
+ 0.0627 $f(20.2 - X_3)$	FG if X_3 scores low
+ 0.11 $f(X_3 - 20.2)$	FG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00410	SOX-9	
		M00773	MYB	
		M00972	IRF	

Table 44: TRANSFAC MARS predictor for SkeletalMuscle.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.301	FG by default
- 0.000521 $f(X_1 - 268.0)$	BG if X_1 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	Novel1	None	
		Novel2	None	
X_2	PRODUCT	Novel3	None	
		Novel4	MEF-2	

Table 45: DME+TRANSFAC MARS predictor for Testis.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.806	FG by default
- 0.0282(31.1 - X_1)	BG if X_1 scores low
- 0.00308(X_2 + 59.2)	BG if X_2 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	Novel1	None	
		Novel2	None	
X_2	SUM	Novel3	None	
		Novel4	None	
X_3	PRODUCT	Novel5	None	
		Novel6	None	

Table 46: DME+TRANSFAC MARS predictor for Testis.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.0166	FG by default
- 0.0691(0.623 - X_1)	BG if X_1 scores low
- 0.0347(X_1 - 0.623)	BG if X_1 scores high
+ 0.0421(10.2 - X_2)	FG if X_2 scores low
+ 0.0402(X_2 - 10.2)	FG if X_2 scores high
+ 0.00328(13.1 - X_3)	FG if X_3 scores low
+ 0.00356(X_3 - 13.1)	FG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00101	CdxA	
		M00133	Tst-1	
		M00350	GATA-3	
X_2	PRODUCT	M00938	E2F-1	
		M00983	MAF	
X_3	PRODUCT	M00319	MEF-3	
		M00807	EGR	

Table 47: TRANSFAC MARS predictor for Thymus.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.194	FG by default
- 0.0965 $f(X_1 - 21.2)$	BG if X_1 scores high
+ 0.0111 $f(X_2 - 82.8)$	FG if X_2 scores high
+ 0.00082 $f(X_3 - 32.5) f(X_1 - 21.2)$	FG if X_3 scores high and X_1 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00791	HNF-3	
		M00918	E2F	
X_2	PRODUCT	M00054	NF- κ B	
		M00349	GATA-2	
		M00707	TFIIA	
X_3	SUM	M00025	Elk-1	
		M00332	Whn	

Table 48: TRANSFAC MARS predictor for Thymus.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.0622	BG by default
- 0.00867 $f(116.0 - X_1)$	BG if X_1 scores low
+ 0.000613 $f(854.0 - X_2)$	FG if X_2 scores low
+ 0.0426 $f(X_3 - 11.6)$	FG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00539	Arnt	
		M00652	Nrf-1	
X_2	PRODUCT	M00084	MZF1	
		M00126	GATA-1	
		M00928	E2	

Table 49: TRANSFAC MARS predictor for Thyroid.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.409	BG by default
+ 0.00474($X_1 + 17.5$)	FG if X_1 scores high
+ 0.00111 f($581.0 - X_2$)	FG if X_2 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00695	ETF	
		M00803	E2F	
X_2	SUM	M00045	E4BP4	
		M00079	Evi-1	
		M00639	HNF-6	

Table 50: TRANSFAC MARS predictor for Thyroid.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.27	BG by default
+ 0.00937 $f(110.0 - X_1)$	FG if X_1 scores low
- 0.00177 $f(20.6 - X_2) f(110.0 - X_1)$	BG if X_2 scores low and X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00159	C/EBP	
		M00238	BarbieBox	
		M00641	HSF	
X_2	SUM	M00025	Elk-1	
		M00146	HSF1	
		M00652	Nrf-1	
X_3	PRODUCT	M00155	ARP-1	
		M00801	CREB	

Table 51: TRANSFAC MARS predictor for Trachea.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.425	FG by default
- 0.000068 $f(1390.0 - X_1) f(X_2 - 18.3)$	BG if X_1 scores low and X_2 scores high
- 0.000274 $f(X_1 - 1390.0) f(X_2 - 18.3)$	BG if X_1 scores high and X_2 scores high
- 0.00727 $f(X_3 - 65.5)$	BG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00187	USF	
		M00500	STAT6	
		M00720	CAC-bind	
X_2	SUM	M00126	GATA-1	
		M00444	VDR	
X_3	SUM	M00136	Oct-1	
		M00162	Oct-1	
		M00334	DTypeLTR	

Table 52: TRANSFAC MARS predictor for Trachea.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.304	FG by default
- 0.00171 $f(721.0 - X_1)$	BG if X_1 scores low
- 0.0608 $f(X_2 - 15.9)$	BG if X_2 scores high
- 0.119 $f(X_3 - 29.7)$	BG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00651	NF-muE1	
		M00652	Nrf-1	
		M00918	E2F	

Table 53: TRANSFAC MARS predictor for TrigeminalGanglion.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
- 0.262	BG by default
+ 0.00246 $f(480.0 - X_1)$	FG if X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	SUM	M00082	Evi-1	
		M00764	HNF-4	
X_2	PRODUCT	M00432	TTF1	
		M00764	HNF-4	
X_3	SUM	M00327	Pax-3	
		M00694	E4F1	

Table 54: TRANSFAC MARS predictor for TrigeminalGanglion.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.0636	FG by default
- 0.121 $f(X_1 - 21.0)$	BG if X_1 scores high
+ 0.00838 $f(X_2 - 66.3)$	FG if X_2 scores high
- 0.423 $f(11.5 - X_3)$	BG if X_3 scores low
- 0.0441 $f(X_3 - 11.5)$	BG if X_3 scores high

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00478	Cdc5	
		M00690	AP-3	
		M00978	LEF1TCF1	

Table 55: TRANSFAC MARS predictor for Uterus.Hs

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.308	FG by default
- 0.000561 $f(1290.0 - X_1)$	BG if X_1 scores low

Module	Feature	MotifName	Factor	Logo
X_1	PRODUCT	M00803	E2F	
		M00915	AP-2	
		M01009	HES1	
X_2	PRODUCT	M00203	GATA-X	
		M00672	TEF	
X_3	MAX	M00979	PAX6	

Table 56: TRANSFAC MARS predictor for Uterus.Mm

MARS function terms ($f(x) = \max(x, 0)$):

Term	Interpretation
+ 0.431	FG by default
- 0.000852 $f(852.0 - X_1)$	BG if X_1 scores low
- 0.0082 $f(X_2 - 64.9)$	BG if X_2 scores high
- 0.00638 $f(64.9 - X_2) f(8.08 - X_3)$	BG if X_2 scores low and X_3 scores low