

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00649	MAZ		FG	0.434	0.532	0.600
M00981	CREBATF		BG	0.439	0.634	0.488
M00084	MZF1		FG	0.441	0.674	0.444
M00793	YY1		BG	0.441	0.702	0.416
M00454	MRF-2		BG	0.445	0.640	0.470
M00378	Pax-4		FG	0.446	0.326	0.782
M00658	PU.1		FG	0.446	0.404	0.704
M00026	RSRFC4		BG	0.446	0.420	0.688
M00146	HSF1		BG	0.446	0.486	0.622
M00491	MAZR		FG	0.447	0.742	0.364

Table 1: Ten TRANSFAC motifs with lowest classification error in Human AdiposeTissue.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00931	Sp-1		FG	0.388	0.842	0.382
M00716	ZF5		FG	0.393	0.766	0.448
M00800	AP-2		FG	0.394	0.730	0.482
M00214	SEF-1		FG	0.413	0.686	0.488
M00471	TBP		BG	0.415	0.470	0.700
M00187	USF		FG	0.417	0.596	0.570
M00721	CACCC-binding		FG	0.418	0.790	0.374
M00138	Oct-1		BG	0.421	0.398	0.760
M00672	TEF		BG	0.422	0.420	0.736
M00510	Lhx3		BG	0.422	0.494	0.662

Table 2: Ten TRANSFAC motifs with lowest classification error in Mouse AdiposeTissue.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M01010	HMG1Y		BG	0.417	0.568	0.598
M00499	STAT5A		BG	0.423	0.560	0.594
M00463	POU3F2		BG	0.426	0.610	0.538
M00243	Egr-1		FG	0.431	0.388	0.750
M00255	GC		FG	0.431	0.600	0.538
M00469	AP-2alpha		FG	0.431	0.632	0.506
M00291	Freac-3		BG	0.432	0.492	0.644
M00734	CIZ		BG	0.432	0.688	0.448
M00042	Sox-5		BG	0.434	0.760	0.372
M00486	Pax-2		BG	0.436	0.366	0.762

Table 3: Ten TRANSFAC motifs with lowest classification error in Human AdrenalGland.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00803	E2F		FG	0.356	0.862	0.426
M00189	AP-2		FG	0.365	0.774	0.496
M00695	ETF		FG	0.368	0.744	0.520
M00976	AHRHIF		FG	0.376	0.666	0.582
M00800	AP-2		FG	0.387	0.736	0.490
M00008	Sp1		FG	0.389	0.816	0.406
M00652	Nrf-1		FG	0.394	0.788	0.424
M00162	Oct-1		BG	0.400	0.446	0.754
M00616	AFP1		BG	0.404	0.516	0.676
M00322	c-Myc:Max		FG	0.404	0.690	0.502

Table 4: Ten TRANSFAC motifs with lowest classification error in Mouse AdrenalGland.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00982	KROX		FG	0.424	0.566	0.586
M00196	Sp1		FG	0.428	0.582	0.562
M00087	Ik-2		BG	0.429	0.632	0.510
M00330	Major		BG	0.432	0.284	0.852
M00205	GR		BG	0.437	0.758	0.368
M00322	c-Myc:Max		FG	0.438	0.378	0.746
M00185	NF-Y		BG	0.438	0.598	0.526
M00316	Imperfect		BG	0.440	0.338	0.782
M00808	Pax		BG	0.441	0.784	0.334
M00033	p300		BG	0.441	0.874	0.244

Table 5: Ten TRANSFAC motifs with lowest classification error in Human Amygdala.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00025	Elk-1		BG	0.410	0.592	0.588
M00482	PITX2		BG	0.417	0.392	0.774
M00239	v-ErbA		BG	0.426	0.782	0.366
M00316	Imperfect		BG	0.427	0.456	0.690
M00979	PAX6		BG	0.434	0.418	0.714
M00078	Evi-1		BG	0.435	0.464	0.666
M00720	CAC-binding		FG	0.441	0.480	0.638
M00055	N-Myc		BG	0.442	0.508	0.608
M00474	FOXO1		BG	0.443	0.700	0.414
M00378	Pax-4		FG	0.444	0.530	0.582

Table 6: Ten TRANSFAC motifs with lowest classification error in Mouse Amygdala.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00940	E2F-1		BG	0.424	0.838	0.314
M01002	DEAF1		BG	0.428	0.666	0.478
M00108	NRF-2		BG	0.432	0.430	0.706
M00224	STAT1		BG	0.432	0.744	0.392
M00394	Msx-1		BG	0.433	0.584	0.550
M00695	ETF		BG	0.433	0.586	0.548
M00017	ATF		BG	0.434	0.392	0.740
M00193	NF-1		FG	0.436	0.698	0.430
M00495	Bach1		FG	0.438	0.616	0.508
M00419	MEIS1		FG	0.439	0.526	0.596

Table 7: Ten TRANSFAC motifs with lowest classification error in Human BoneMarrow.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00322	c-Myc:Max		BG	0.403	0.708	0.486
M00652	Nrf-1		BG	0.404	0.726	0.466
M00803	E2F		BG	0.404	0.864	0.328
M00695	ETF		BG	0.414	0.672	0.500
M00332	Whn		BG	0.415	0.826	0.344
M00976	AHRHIF		BG	0.419	0.666	0.496
M00096	Pbx-1		FG	0.427	0.532	0.614
M00109	C/EBPbeta		FG	0.429	0.524	0.618
M00947	CP2/LBP-1c/LSF		BG	0.430	0.456	0.684
M00258	ISRE		FG	0.431	0.508	0.630

Table 8: Ten TRANSFAC motifs with lowest classification error in Mouse BoneMarrow.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00032	c-Ets-1(p54)		FG	0.409	0.346	0.836
M00017	ATF		FG	0.425	0.682	0.468
M00480	LUN-1		FG	0.437	0.768	0.358
M00793	YY1		FG	0.439	0.548	0.574
M00652	Nrf-1		FG	0.441	0.204	0.914
M00316	Imperfect		FG	0.445	0.348	0.762
M00175	AP-4		BG	0.445	0.510	0.600
M00431	E2F-1		FG	0.446	0.786	0.322
M00993	TAL1		BG	0.447	0.592	0.514
M00769	AML		FG	0.451	0.374	0.724

Table 9: Ten TRANSFAC motifs with lowest classification error in Human CD4TCells.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00025	Elk-1		FG	0.403	0.540	0.654
M00316	Imperfect		FG	0.419	0.330	0.832
M00770	C/EBP		BG	0.428	0.436	0.708
M00799	Myc		FG	0.430	0.714	0.426
M00701	SMAD-3		FG	0.431	0.534	0.604
M00423	FOXJ2		BG	0.434	0.536	0.596
M00256	NRSF		FG	0.434	0.782	0.350
M00803	E2F		FG	0.434	0.882	0.250
M00269	XFD-3		BG	0.436	0.652	0.476
M00808	Pax		FG	0.437	0.542	0.584

Table 10: Ten TRANSFAC motifs with lowest classification error in Mouse CD4TCells.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00743	c-Ets-1		FG	0.402	0.650	0.546
M00793	YY1		FG	0.410	0.538	0.642
M00691	ATF-1		FG	0.420	0.738	0.422
M00428	E2F-1		FG	0.433	0.656	0.478
M00179	CRE-BP1		FG	0.436	0.418	0.710
M00272	p53		BG	0.442	0.610	0.506
M00720	CAC-binding		BG	0.443	0.518	0.596
M00062	IRF-1		FG	0.444	0.340	0.772
M00227	v-Myb		FG	0.446	0.708	0.400
M01010	HMG1Y		FG	0.446	0.770	0.338

Table 11: Ten TRANSFAC motifs with lowest classification error in Human CD8TCells.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00025	Elk-1		FG	0.425	0.392	0.758
M00966	VDR,		FG	0.437	0.366	0.760
M00317	Poly		FG	0.439	0.754	0.368
M00935	NF-AT		BG	0.441	0.632	0.486
M00915	AP-2		BG	0.443	0.298	0.816
M00316	Imperfect		FG	0.446	0.666	0.442
M00264	Staf		FG	0.448	0.366	0.738
M00634	GCM		FG	0.448	0.598	0.506
M00328	Pax-8		FG	0.449	0.392	0.710
M00749	SREBP-1		FG	0.449	0.550	0.552

Table 12: Ten TRANSFAC motifs with lowest classification error in Mouse CD8TCells.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00025	Elk-1		BG	0.416	0.582	0.586
M00933	Sp-1		FG	0.417	0.620	0.546
M00478	Cdc5		BG	0.417	0.654	0.512
M00915	AP-2		FG	0.419	0.622	0.540
M00102	CDP		BG	0.421	0.722	0.436
M00720	CAC-binding		FG	0.422	0.616	0.540
M00742	HFH-4		BG	0.423	0.758	0.396
M00253	cap		BG	0.425	0.534	0.616
M00096	Pbx-1		BG	0.425	0.592	0.558
M00128	GATA-1		BG	0.425	0.752	0.398

Table 13: Ten TRANSFAC motifs with lowest classification error in Human Cerebellum.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00716	ZF5		FG	0.409	0.654	0.528
M00720	CAC-binding		FG	0.415	0.612	0.558
M00058	HEN1		FG	0.419	0.562	0.600
M00933	Sp-1		FG	0.424	0.758	0.394
M00078	Evi-1		BG	0.425	0.464	0.686
M00351	GATA-3		BG	0.429	0.630	0.512
M00256	NRSF		FG	0.430	0.598	0.542
M00491	MAZR		FG	0.430	0.612	0.528
M00454	MRF-2		BG	0.431	0.544	0.594
M00216	TATA		BG	0.432	0.758	0.378

Table 14: Ten TRANSFAC motifs with lowest classification error in Mouse Cerebellum.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00695	ETF		BG	0.347	0.812	0.494
M00803	E2F		BG	0.353	0.818	0.476
M00801	CREB		BG	0.376	0.654	0.594
M00189	AP-2		BG	0.381	0.820	0.418
M00652	Nrf-1		BG	0.383	0.802	0.432
M00800	AP-2		BG	0.384	0.796	0.436
M00025	Elk-1		BG	0.389	0.590	0.632
M00128	GATA-1		FG	0.390	0.556	0.664
M00250	Gfi-1		FG	0.392	0.562	0.654
M00778	AhR		BG	0.396	0.744	0.464

Table 15: Ten TRANSFAC motifs with lowest classification error in Human DorsalRootGanglia.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00716	ZF5		FG	0.399	0.768	0.434
M00469	AP-2alpha		FG	0.402	0.708	0.488
M00927	AP-4		FG	0.412	0.724	0.452
M00231	MEF-2		BG	0.416	0.486	0.682
M00644	LBP-1		FG	0.420	0.704	0.456
M00510	Lhx3		BG	0.421	0.760	0.398
M00101	CdxA		BG	0.424	0.574	0.578
M00248	Oct-1		BG	0.424	0.648	0.504
M00695	ETF		FG	0.425	0.692	0.458
M00471	TBP		BG	0.426	0.436	0.712

Table 16: Ten TRANSFAC motifs with lowest classification error in Mouse DorsalRootGanglia.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00744	POU1F1		BG	0.398	0.762	0.442
M00190	C/EBP		BG	0.401	0.594	0.604
M00133	Tst-1		BG	0.401	0.642	0.556
M00248	Oct-1		BG	0.401	0.720	0.478
M00729	Cdx-2		BG	0.406	0.726	0.462
M00102	CDP		BG	0.406	0.734	0.454
M00510	Lhx3		BG	0.407	0.690	0.496
M00992	FOXP3		BG	0.409	0.598	0.584
M00809	FOX		BG	0.409	0.696	0.486
M00424	NKX6-1		BG	0.409	0.776	0.406

Table 17: Ten TRANSFAC motifs with lowest classification error in Human Heart.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00231	MEF-2		FG	0.443	0.498	0.616
M00743	c-Ets-1		BG	0.443	0.658	0.456
M00157	RORalpha2		FG	0.444	0.570	0.542
M00775	NF-Y		BG	0.445	0.320	0.790
M00489	Nkx6-2		FG	0.445	0.652	0.458
M00311	ATATA		FG	0.446	0.826	0.282
M00634	GCM		BG	0.447	0.364	0.742
M00437	CHX10		FG	0.447	0.662	0.444
M00080	Evi-1		FG	0.448	0.328	0.776
M00424	NKX6-1		FG	0.448	0.554	0.550

Table 18: Ten TRANSFAC motifs with lowest classification error in Mouse Heart.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00243	Egr-1		FG	0.429	0.554	0.588
M00196	Sp1		FG	0.436	0.644	0.484
M00413	AREB6		BG	0.438	0.434	0.690
M00807	EGR		FG	0.438	0.720	0.404
M00526	GCNF		BG	0.440	0.520	0.600
M00976	AHRHIF		FG	0.441	0.662	0.456
M00655	PEA3		BG	0.445	0.630	0.480
M00084	MZF1		FG	0.446	0.636	0.472
M00280	RFX1		BG	0.447	0.568	0.538
M00269	XFD-3		BG	0.450	0.358	0.742

Table 19: Ten TRANSFAC motifs with lowest classification error in Human Hypothalamus.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00695	ETF		FG	0.426	0.870	0.278
M00515	PPARG		BG	0.433	0.404	0.730
M00333	ZF5		FG	0.433	0.566	0.568
M00491	MAZR		FG	0.436	0.822	0.306
M00790	HNF-1		BG	0.439	0.470	0.652
M00802	Pit-1		BG	0.440	0.468	0.652
M00239	v-ErbA		BG	0.440	0.702	0.418
M00492	STAT1		BG	0.442	0.634	0.482
M00650	MTF-1		FG	0.442	0.668	0.448
M00644	LBP-1		FG	0.442	0.688	0.428

Table 20: Ten TRANSFAC motifs with lowest classification error in Mouse Hypothalamus.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00025	Elk-1		BG	0.409	0.630	0.552
M00739	E2F-4:DP-2		BG	0.421	0.552	0.606
M00450	Zic3		FG	0.426	0.522	0.626
M00646	LF-A1		FG	0.426	0.564	0.584
M00083	MZF1		FG	0.427	0.614	0.532
M00804	E2A		FG	0.428	0.422	0.722
M00695	ETF		BG	0.430	0.562	0.578
M00464	POU3F2		BG	0.432	0.566	0.570
M00223	STATx		BG	0.433	0.546	0.588
M00652	Nrf-1		BG	0.434	0.312	0.820

Table 21: Ten TRANSFAC motifs with lowest classification error in Human Kidney.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00134	HNF-4		FG	0.425	0.488	0.662
M00684	XPF-1		FG	0.429	0.674	0.468
M00175	AP-4		FG	0.437	0.480	0.646
M00469	AP-2alpha		FG	0.440	0.930	0.190
M00428	E2F-1		BG	0.441	0.578	0.540
M00716	ZF5		BG	0.442	0.338	0.778
M00481	AR		FG	0.446	0.444	0.664
M00206	HNF-1		FG	0.446	0.740	0.368
M01000	AIRE		BG	0.448	0.366	0.738
M00695	ETF		BG	0.448	0.524	0.580

Table 22: Ten TRANSFAC motifs with lowest classification error in Mouse Kidney.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00918	E2F		BG	0.405	0.686	0.504
M00248	Oct-1		BG	0.406	0.664	0.524
M00071	E47		FG	0.415	0.584	0.586
M00646	LF-A1		FG	0.416	0.628	0.540
M00145	Brn-2		BG	0.417	0.586	0.580
M00103	Clox		BG	0.417	0.738	0.428
M00765	COUP		FG	0.421	0.492	0.666
M00318	Lentiviral		BG	0.421	0.648	0.510
M00129	HFH-1		BG	0.422	0.578	0.578
M00025	Elk-1		BG	0.422	0.622	0.534

Table 23: Ten TRANSFAC motifs with lowest classification error in Human Liver.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00716	ZF5		BG	0.353	0.514	0.780
M00695	ETF		BG	0.380	0.602	0.638
M00332	Whn		BG	0.383	0.840	0.394
M00986	Churchill		BG	0.404	0.770	0.422
M00652	Nrf-1		BG	0.406	0.494	0.694
M00322	c-Myc:Max		BG	0.409	0.806	0.376
M00800	AP-2		BG	0.414	0.652	0.520
M00912	C-EBP		FG	0.416	0.542	0.626
M00762	PPAR,		FG	0.420	0.514	0.646
M00790	HNF-1		FG	0.421	0.524	0.634

Table 24: Ten TRANSFAC motifs with lowest classification error in Mouse Liver.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00045	E4BP4		BG	0.365	0.720	0.550
M00802	Pit-1		BG	0.366	0.568	0.700
M00102	CDP		BG	0.366	0.678	0.590
M00672	TEF		BG	0.366	0.682	0.586
M00510	Lhx3		BG	0.366	0.696	0.572
M00132	HNF-1		BG	0.369	0.698	0.564
M00162	Oct-1		BG	0.370	0.704	0.556
M00451	NKX3A		BG	0.372	0.626	0.630
M00744	POU1F1		BG	0.373	0.466	0.788
M00639	HNF-6		BG	0.374	0.530	0.722

Table 25: Ten TRANSFAC motifs with lowest classification error in Human Lung.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00932	Sp-1		FG	0.383	0.644	0.590
M00293	Freac-7		BG	0.394	0.556	0.656
M00451	NKX3A		BG	0.395	0.380	0.830
M00138	Oct-1		BG	0.395	0.532	0.678
M00324	Muscle		FG	0.399	0.772	0.430
M00807	EGR		FG	0.401	0.668	0.530
M00463	POU3F2		BG	0.401	0.672	0.526
M00143	BSAP		FG	0.402	0.632	0.564
M00162	Oct-1		BG	0.402	0.716	0.480
M00465	POU6F1		BG	0.403	0.404	0.790

Table 26: Ten TRANSFAC motifs with lowest classification error in Mouse Lung.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00658	PU.1		FG	0.430	0.692	0.448
M00772	IRF		FG	0.440	0.520	0.600
M00183	c-Myb		FG	0.440	0.660	0.460
M00419	MEIS1		FG	0.443	0.768	0.346
M00774	NF-kappaB		FG	0.444	0.486	0.626
M00470	AP-2gamma		BG	0.446	0.472	0.636
M00065	Tal-1beta:E47		FG	0.447	0.704	0.402
M00059	YY1		FG	0.447	0.708	0.398
M00807	EGR		BG	0.447	0.724	0.382
M00706	TFII-I		BG	0.449	0.532	0.570

Table 27: Ten TRANSFAC motifs with lowest classification error in Human LymphNode.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00803	E2F		BG	0.405	0.464	0.726
M00695	ETF		BG	0.415	0.584	0.586
M00658	PU.1		FG	0.416	0.474	0.694
M00035	v-Maf		FG	0.422	0.704	0.452
M00466	HIF-1		BG	0.425	0.554	0.596
M00801	CREB		BG	0.429	0.520	0.622
M00652	Nrf-1		BG	0.432	0.298	0.838
M00532	RP58		FG	0.433	0.498	0.636
M00277	Lmo2		FG	0.434	0.682	0.450
M00984	PEBP		FG	0.438	0.720	0.404

Table 28: Ten TRANSFAC motifs with lowest classification error in Mouse LymphNode.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00025	Elk-1		BG	0.414	0.550	0.622
M00801	CREB		BG	0.417	0.410	0.756
M00803	E2F		BG	0.420	0.778	0.382
M00935	NF-AT		FG	0.423	0.440	0.714
M00999	AIRE		FG	0.426	0.564	0.584
M00695	ETF		BG	0.430	0.816	0.324
M00273	R		BG	0.433	0.658	0.476
M00651	NF-muE1		BG	0.435	0.436	0.694
M00652	Nrf-1		BG	0.436	0.736	0.392
M00215	SRF		FG	0.437	0.460	0.666

Table 29: Ten TRANSFAC motifs with lowest classification error in Human OlfactoryBulb.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00720	CAC-binding		FG	0.412	0.498	0.678
M00422	FOXJ2		BG	0.420	0.722	0.438
M00025	Elk-1		BG	0.422	0.560	0.596
M00982	KROX		FG	0.423	0.656	0.498
M00672	TEF		BG	0.428	0.480	0.664
M00790	HNF-1		BG	0.428	0.722	0.422
M00316	Imperfect		BG	0.430	0.518	0.622
M00991	CDX		BG	0.431	0.468	0.670
M00482	PITX2		BG	0.431	0.492	0.646
M00912	C-EBP		BG	0.431	0.518	0.620

Table 30: Ten TRANSFAC motifs with lowest classification error in Mouse OlfactoryBulb.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00695	ETF		BG	0.393	0.776	0.438
M00428	E2F-1		BG	0.398	0.670	0.534
M00976	AHRHIF		BG	0.407	0.706	0.480
M00469	AP-2alpha		BG	0.416	0.820	0.348
M00980	TBP		FG	0.417	0.472	0.694
M00652	Nrf-1		BG	0.419	0.696	0.466
M00978	LEF1/TCF1		FG	0.420	0.564	0.596
M00212	Retroviral		FG	0.425	0.550	0.600
M00485	Nkx2-2		FG	0.426	0.556	0.592
M00960	PR,		FG	0.427	0.718	0.428

Table 31: Ten TRANSFAC motifs with lowest classification error in Human Ovary.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00716	ZF5		FG	0.312	0.810	0.566
M00800	AP-2		FG	0.351	0.812	0.486
M00802	Pit-1		BG	0.357	0.682	0.604
M00332	Whn		FG	0.357	0.856	0.430
M00797	HIF-1		FG	0.367	0.760	0.506
M00322	c-Myc:Max		FG	0.370	0.676	0.584
M00665	Sp3		FG	0.372	0.890	0.366
M00138	Oct-1		BG	0.378	0.492	0.752
M00652	Nrf-1		FG	0.378	0.742	0.502
M00650	MTF-1		FG	0.382	0.708	0.528

Table 32: Ten TRANSFAC motifs with lowest classification error in Mouse Ovary.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00976	AHRHIF		BG	0.422	0.724	0.432
M00698	HEB		FG	0.424	0.490	0.662
M00652	Nrf-1		BG	0.429	0.254	0.888
M00918	E2F		BG	0.429	0.544	0.598
M00272	p53		FG	0.436	0.658	0.470
M00917	CREB		BG	0.437	0.458	0.668
M00025	Elk-1		BG	0.438	0.536	0.588
M00261	Olf-1		FG	0.440	0.590	0.530
M00765	COUP		FG	0.441	0.584	0.534
M00444	VDR		FG	0.441	0.688	0.430

Table 33: Ten TRANSFAC motifs with lowest classification error in Human Pancreas.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00803	E2F		BG	0.318	0.802	0.562
M00695	ETF		BG	0.348	0.728	0.576
M00986	Churchill		BG	0.362	0.768	0.508
M00332	Whn		BG	0.362	0.800	0.476
M00800	AP-2		BG	0.381	0.620	0.618
M00322	c-Myc:Max		BG	0.381	0.632	0.606
M00652	Nrf-1		BG	0.382	0.584	0.652
M00273	R		BG	0.397	0.726	0.480
M00651	NF-muE1		BG	0.400	0.770	0.430
M00245	Egr-3		BG	0.413	0.644	0.530

Table 34: Ten TRANSFAC motifs with lowest classification error in Mouse Pancreas.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00251	XBP-1		FG	0.440	0.554	0.566
M00257	RREB-1		FG	0.442	0.692	0.424
M00312	Bel-1		BG	0.443	0.404	0.710
M00156	RORalpha1		BG	0.446	0.470	0.638
M00778	AhR		FG	0.446	0.588	0.520
M00766	LXR		BG	0.446	0.600	0.508
M00711	Zta		BG	0.446	0.668	0.440
M00155	ARP-1		BG	0.451	0.484	0.614
M00316	Imperfect		BG	0.452	0.330	0.766
M00084	MZF1		FG	0.452	0.528	0.568

Table 35: Ten TRANSFAC motifs with lowest classification error in Human Pituitary.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00716	ZF5		FG	0.430	0.766	0.374
M00329	Pax-9		FG	0.438	0.558	0.566
M00460	STAT5A		BG	0.438	0.842	0.282
M00181	E2		FG	0.439	0.650	0.472
M00332	Whn		FG	0.440	0.838	0.282
M00231	MEF-2		BG	0.441	0.450	0.668
M00244	NGFI-C		FG	0.441	0.544	0.574
M00156	RORalpha1		BG	0.442	0.606	0.510
M00448	Zic1		FG	0.443	0.776	0.338
M00085	ZID		FG	0.444	0.662	0.450

Table 36: Ten TRANSFAC motifs with lowest classification error in Mouse Pituitary.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00491	MAZR		FG	0.381	0.746	0.492
M00982	KROX		FG	0.394	0.696	0.516
M00639	HNF-6		BG	0.397	0.558	0.648
M00040	CRE-BP1		BG	0.402	0.770	0.426
M00451	NKX3A		BG	0.404	0.708	0.484
M00729	Cdx-2		BG	0.406	0.548	0.640
M00096	Pbx-1		BG	0.406	0.564	0.624
M00268	XFD-2		BG	0.409	0.554	0.628
M00465	POU6F1		BG	0.409	0.682	0.500
M00402	MEF-2		BG	0.410	0.440	0.740

Table 37: Ten TRANSFAC motifs with lowest classification error in Human Placenta.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00920	E2F		BG	0.426	0.554	0.594
M00102	CDP		BG	0.427	0.778	0.368
M00651	NF-muE1		BG	0.431	0.442	0.696
M00024	E2F		BG	0.432	0.610	0.526
M00526	GCNF		BG	0.438	0.546	0.578
M00652	Nrf-1		BG	0.440	0.308	0.812
M00711	Zta		FG	0.441	0.338	0.780
M00695	ETF		BG	0.442	0.528	0.588
M00332	Whn		BG	0.443	0.360	0.754
M00979	PAX6		BG	0.444	0.276	0.836

Table 38: Ten TRANSFAC motifs with lowest classification error in Mouse Placenta.



Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00695	ETF		BG	0.349	0.876	0.426
M00939	E2F-1		BG	0.353	0.804	0.490
M00770	C/EBP		FG	0.370	0.676	0.584
M00510	Lhx3		FG	0.373	0.660	0.594
M00100	CdxA		FG	0.374	0.680	0.572
M00136	Oct-1		FG	0.375	0.626	0.624
M00800	AP-2		BG	0.377	0.816	0.430
M00189	AP-2		BG	0.378	0.790	0.454
M00624	DBP		FG	0.379	0.722	0.520
M00311	ATATA		FG	0.382	0.746	0.490

Table 41: Ten TRANSFAC motifs with lowest classification error in Human SalivaryGland.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00918	E2F		BG	0.388	0.570	0.654
M00652	Nrf-1		BG	0.407	0.738	0.448
M00695	ETF		BG	0.408	0.644	0.540
M00466	HIF-1		BG	0.411	0.714	0.464
M00743	c-Ets-1		BG	0.412	0.508	0.668
M00189	AP-2		BG	0.415	0.818	0.352
M00332	Whn		BG	0.417	0.820	0.346
M00322	c-Myc:Max		BG	0.423	0.690	0.464
M00256	NRSF		BG	0.426	0.532	0.616
M00162	Oct-1		FG	0.427	0.440	0.706

Table 42: Ten TRANSFAC motifs with lowest classification error in Mouse SalivaryGland.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00939	E2F-1		BG	0.358	0.766	0.518
M00695	ETF		BG	0.372	0.886	0.370
M00743	c-Ets-1		BG	0.383	0.672	0.562
M00652	Nrf-1		BG	0.387	0.730	0.496
M00332	Whn		BG	0.392	0.824	0.392
M00797	HIF-1		BG	0.406	0.672	0.516
M00245	Egr-3		BG	0.415	0.520	0.650
M00800	AP-2		BG	0.416	0.752	0.416
M00322	c-Myc:Max		BG	0.419	0.708	0.454
M00651	NF-muE1		BG	0.420	0.496	0.664

Table 43: Ten TRANSFAC motifs with lowest classification error in Human SkeletalMuscle.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00011	Evi-1		BG	0.436	0.364	0.764
M00045	E4BP4		BG	0.439	0.480	0.642
M00224	STAT1		BG	0.440	0.560	0.560
M00081	Evi-1		BG	0.440	0.600	0.520
M00940	E2F-1		BG	0.440	0.630	0.490
M00972	IRF		BG	0.442	0.402	0.714
M00104	CDP		BG	0.442	0.508	0.608
M00959	ER		FG	0.442	0.816	0.300
M00108	NRF-2		BG	0.444	0.346	0.766
M00410	SOX-9		BG	0.446	0.382	0.726

Table 44: Ten TRANSFAC motifs with lowest classification error in Mouse SkeletalMuscle.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00795	Octamer		BG	0.407	0.558	0.628
M00498	STAT4		BG	0.408	0.640	0.544
M00255	GC		FG	0.424	0.638	0.514
M00510	Lhx3		BG	0.425	0.542	0.608
M00672	TEF		BG	0.428	0.696	0.448
M00321	Muscle		FG	0.429	0.640	0.502
M00939	E2F-1		FG	0.429	0.796	0.346
M00316	Imperfect		FG	0.430	0.414	0.726
M00348	GATA-2		BG	0.431	0.468	0.670
M00258	ISRE		BG	0.431	0.582	0.556

Table 45: Ten TRANSFAC motifs with lowest classification error in Human Testis.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00716	ZF5		BG	0.430	0.380	0.760
M00189	AP-2		BG	0.430	0.452	0.688
M00695	ETF		BG	0.430	0.602	0.538
M00036	v-Jun		FG	0.433	0.392	0.742
M00228	VBP		FG	0.435	0.478	0.652
M00227	v-Myb		FG	0.435	0.764	0.366
M00639	HNF-6		FG	0.438	0.700	0.424
M00245	Egr-3		BG	0.439	0.604	0.518
M00211	Poly		FG	0.440	0.402	0.718
M00651	NF-muE1		BG	0.441	0.544	0.574

Table 46: Ten TRANSFAC motifs with lowest classification error in Mouse Testis.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00045	E4BP4		BG	0.402	0.704	0.492
M00101	CdxA		BG	0.404	0.674	0.518
M00133	Tst-1		BG	0.405	0.476	0.714
M00938	E2F-1		FG	0.412	0.566	0.610
M00802	Pit-1		BG	0.419	0.432	0.730
M00477	FOXO3		BG	0.419	0.658	0.504
M00350	GATA-3		BG	0.420	0.460	0.700
M00807	EGR		FG	0.422	0.792	0.364
M00212	Retroviral		BG	0.423	0.388	0.766
M01004	Helios		BG	0.423	0.448	0.706

Table 47: Ten TRANSFAC motifs with lowest classification error in Human Thymus.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00918	E2F		FG	0.384	0.592	0.640
M00025	Elk-1		FG	0.400	0.364	0.836
M00332	Whn		FG	0.414	0.726	0.446
M00466	HIF-1		FG	0.426	0.762	0.386
M00482	PITX2		FG	0.430	0.546	0.594
M00349	GATA-2		BG	0.430	0.660	0.480
M00652	Nrf-1		FG	0.434	0.502	0.630
M00433	Hmx3		FG	0.435	0.744	0.386
M00114	Tax/CREB		FG	0.437	0.766	0.360
M00245	Egr-3		FG	0.439	0.818	0.304

Table 48: Ten TRANSFAC motifs with lowest classification error in Mouse Thymus.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00695	ETF		FG	0.418	0.598	0.566
M00189	AP-2		FG	0.430	0.646	0.494
M00652	Nrf-1		FG	0.430	0.726	0.414
M00539	Arnt		FG	0.435	0.422	0.708
M00938	E2F-1		FG	0.437	0.628	0.498
M00797	HIF-1		FG	0.438	0.706	0.418
M00232	MEF-2		BG	0.439	0.298	0.824
M00245	Egr-3		FG	0.441	0.622	0.496
M00360	Pax-3		BG	0.442	0.292	0.824
M00084	MZF1		BG	0.442	0.610	0.506

Table 49: Ten TRANSFAC motifs with lowest classification error in Human Thyroid.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00695	ETF		BG	0.354	0.704	0.588
M00803	E2F		BG	0.359	0.802	0.480
M00986	Churchill		BG	0.370	0.764	0.496
M00341	GABP		BG	0.384	0.668	0.564
M00652	Nrf-1		BG	0.389	0.748	0.474
M00322	c-Myc:Max		BG	0.390	0.626	0.594
M00778	AhR		BG	0.393	0.714	0.500
M00045	E4BP4		FG	0.400	0.558	0.642
M00644	LBP-1		BG	0.408	0.764	0.420
M00079	Evi-1		FG	0.410	0.526	0.654

Table 50: Ten TRANSFAC motifs with lowest classification error in Mouse Thyroid.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00801	CREB		BG	0.432	0.392	0.744
M00652	Nrf-1		BG	0.434	0.608	0.524
M00025	Elk-1		BG	0.442	0.482	0.634
M00238	Barbie		FG	0.444	0.752	0.360
M00648	MAF		FG	0.446	0.466	0.642
M00808	Pax		FG	0.446	0.560	0.548
M00701	SMAD-3		FG	0.448	0.648	0.456
M00239	v-ErbA		BG	0.449	0.558	0.544
M00005	AP-4		FG	0.449	0.870	0.232
M00658	PU.1		FG	0.450	0.412	0.688

Table 51: Ten TRANSFAC motifs with lowest classification error in Human Trachea.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00500	STAT6		FG	0.431	0.560	0.578
M00931	Sp-1		FG	0.434	0.824	0.308
M00187	USF		FG	0.435	0.846	0.284
M00665	Sp3		FG	0.435	0.860	0.270
M00778	AhR		FG	0.437	0.718	0.408
M00034	p53		FG	0.438	0.724	0.400
M00320	Muscle		FG	0.440	0.394	0.726
M00136	Oct-1		BG	0.441	0.604	0.514
M00126	GATA-1		BG	0.442	0.766	0.350
M00162	Oct-1		BG	0.444	0.280	0.832

Table 52: Ten TRANSFAC motifs with lowest classification error in Mouse Trachea.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00918	E2F		BG	0.350	0.828	0.472
M00695	ETF		BG	0.360	0.812	0.468
M00273	R		BG	0.381	0.720	0.518
M00651	NF-muE1		BG	0.382	0.782	0.454
M00801	CREB		BG	0.390	0.634	0.586
M00652	Nrf-1		BG	0.393	0.756	0.458
M00108	NRF-2		BG	0.397	0.578	0.628
M00802	Pit-1		FG	0.398	0.518	0.686
M00245	Egr-3		BG	0.401	0.718	0.480
M00311	ATATA		FG	0.402	0.524	0.672

Table 53: Ten TRANSFAC motifs with lowest classification error in Human TrigeminalGanglion.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00406	MEF-2		FG	0.443	0.728	0.386
M00940	E2F-1		BG	0.444	0.388	0.724
M00322	c-Myc:Max		BG	0.445	0.444	0.666
M00764	HNF-4		FG	0.445	0.658	0.452
M00999	AIRE		FG	0.445	0.752	0.358
M00767	FXR		FG	0.446	0.544	0.564
M00707	TFIIA		FG	0.447	0.604	0.502
M00233	MEF-2		FG	0.447	0.656	0.450
M00241	Nkx2-5		FG	0.447	0.678	0.428
M00252	TATA		FG	0.448	0.520	0.584

Table 54: Ten TRANSFAC motifs with lowest classification error in Mouse TrigeminalGanglion.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00277	Lmo2		BG	0.414	0.572	0.600
M00978	LEF1/TCF1		FG	0.420	0.662	0.498
M00216	TATA		FG	0.423	0.560	0.594
M00310	APOLYA		FG	0.424	0.448	0.704
M00406	MEF-2		FG	0.425	0.674	0.476
M00930	Oct-1		FG	0.427	0.544	0.602
M01014	SOX		FG	0.428	0.442	0.702
M00436	IPF1		FG	0.428	0.660	0.484
M00148	SRY		FG	0.431	0.478	0.660
M00799	Myc		BG	0.431	0.568	0.570

Table 55: Ten TRANSFAC motifs with lowest classification error in Human Uterus.

Accession	Factor	Logo	Enrich	Error	Sens	Spec
M00803	E2F		FG	0.375	0.806	0.444
M00915	AP-2		FG	0.380	0.752	0.488
M00744	POU1F1		BG	0.386	0.562	0.666
M00672	TEF		BG	0.387	0.542	0.684
M00720	CAC-binding		FG	0.396	0.808	0.400
M00665	Sp3		FG	0.396	0.822	0.386
M00436	IPF1		BG	0.403	0.578	0.616
M00423	FOXJ2		BG	0.405	0.478	0.712
M00132	HNF-1		BG	0.407	0.704	0.482
M00267	XFD-1		BG	0.408	0.674	0.510

Table 56: Ten TRANSFAC motifs with lowest classification error in Mouse Uterus.