

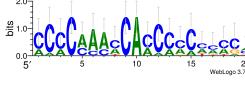
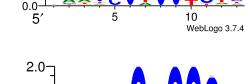
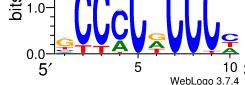
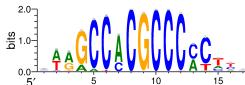
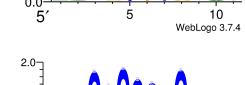
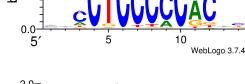
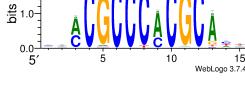
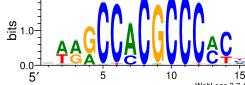
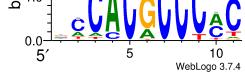
Regulatory Genomics Toolbox - Motif Enrichment Analysis

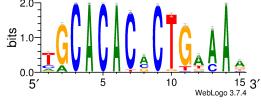
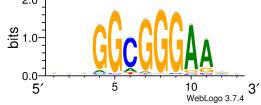
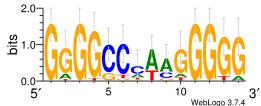
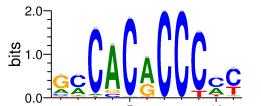
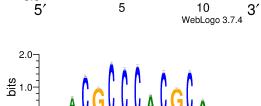
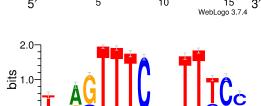
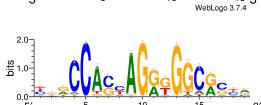
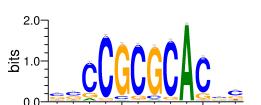
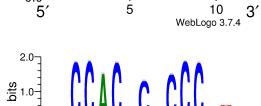
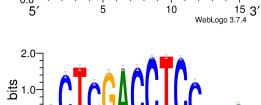
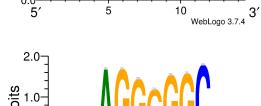
rep1_new_all_unsorted_filtered

Results for rep1_new_all_unsorted_filtered region Site Test* using all input regions

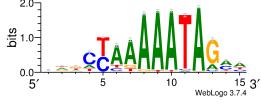
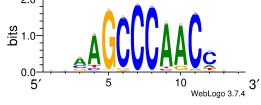
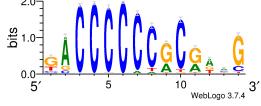
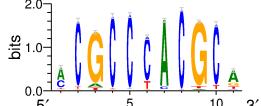
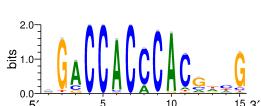
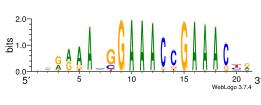
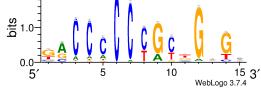
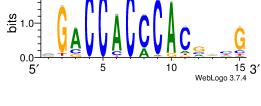
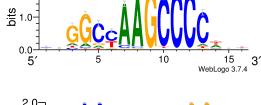
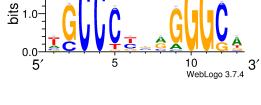
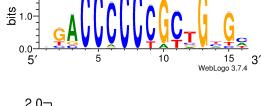
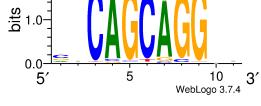
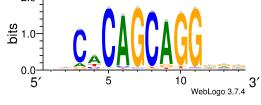
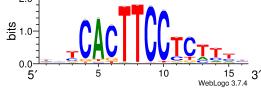
* This test considered all input regions against background regions

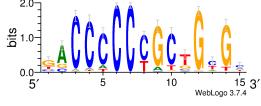
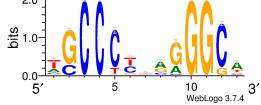
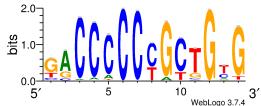
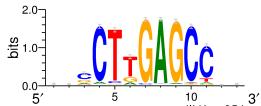
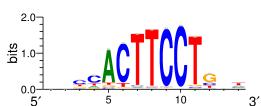
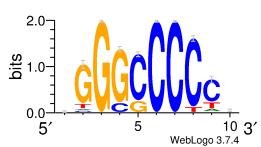
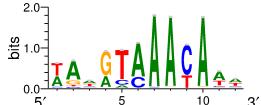
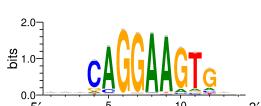
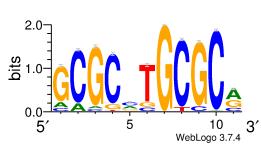
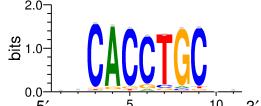
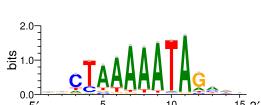
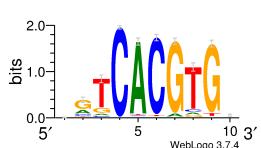
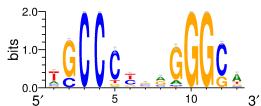
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MA1125.1.ZNF384		3.8113e-84	2.8432e-81	291	14367	2658	559361	1.99000
MA1107.2.KLF9		2.5316e-65	9.4429e-63	488	14170	7658	554361	3.33000
MA0753.2.ZNF740		1.8150e-56	4.5134e-54	430	14228	6824	555195	
MA0741.1.KLF16		5.7705e-56	1.0762e-53	637	14021	12163	549856	
MA1578.1.VEZF1		4.5108e-53	6.7301e-51	191	14467	1825	560194	
MA1564.1.SP9		1.1651e-50	1.4486e-48	569	14089	10811	551208	
MA0050.2.IRF1		3.7802e-50	4.0286e-48	250	14408	3082	558937	
MA0162.4.EGR1		3.3376e-49	3.1123e-47	425	14233	7193	554826	2.90000
MA1653.1.ZNF148		1.4134e-48	1.1715e-46	735	13923	15606	546413	
MA0039.4.KLF4		2.1672e-46	1.6167e-44	690	13968	14567	547452	
MA0516.2.SP2		1.7516e-45	1.1879e-43	370	14288	6088	555931	

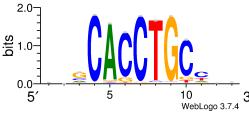
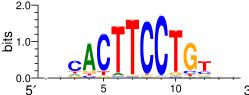
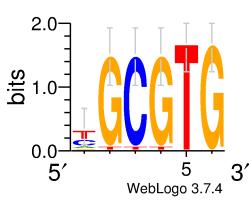
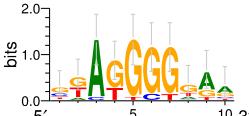
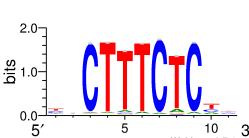
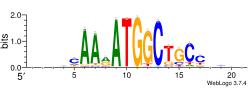
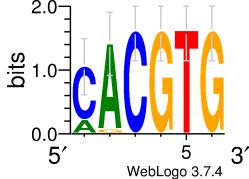
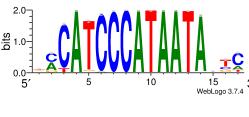
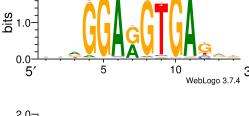
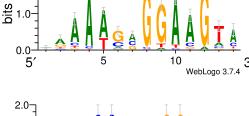
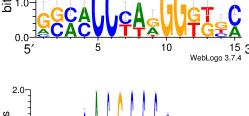
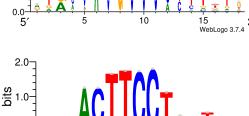
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MA0073.1.RREB1		1.1888e-44	7.3902e-43	282	14376	4050	557969	
MA0747.1.SP8		6.6059e-44	3.7908e-42	474	14184	8871	553148	3.230001
MA0746.2.SP3		2.5357e-42	1.3512e-40	527	14131	10441	551578	3.599991
MA0599.1.KLF5		3.5677e-40	1.7743e-38	738	13920	16684	545335	5.029995
MA0685.1.SP4		4.0420e-36	1.8846e-34	366	14292	6687	555332	
MA1513.1.KLF15		2.9227e-35	1.2826e-33	542	14116	11592	550427	3.699991
MA1627.1.Wt1		5.2002e-34	2.1552e-32	449	14209	9113	552906	
MA0732.1.EGR3		8.4759e-33	3.3279e-31	243	14415	3838	558181	
MA0079.4.SP1		1.1184e-32	4.1717e-31	413	14245	8254	553765	
MA1515.1.KLF2		2.7437e-32	9.7467e-31	499	14159	10702	551317	3.400001
MA1512.1.KLF11		6.5559e-30	2.2230e-28	456	14202	9746	552273	
MA1596.1.ZNF460		4.0289e-29	1.3068e-27	399	14259	8226	553793	2.719991
MA0740.1.KLF14		2.8502e-26	8.8595e-25	316	14342	6225	555794	
MA1522.1.MAZ		1.6783e-25	5.0081e-24	495	14163	11421	550598	

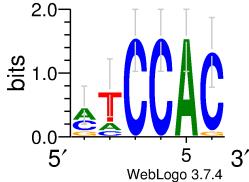
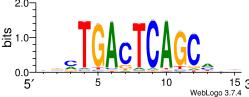
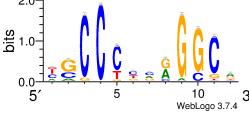
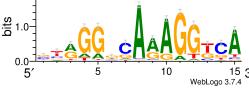
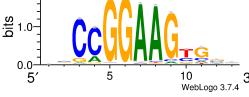
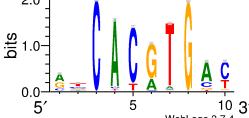
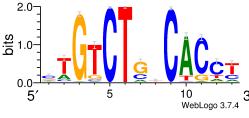
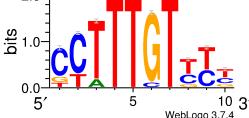
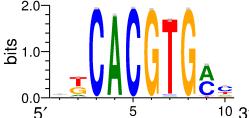
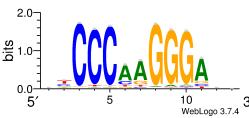
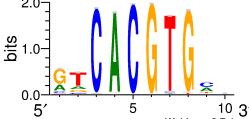
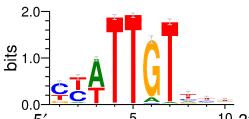
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MA1155.1.ZSCAN4		3.1838e-25	9.1350e-24	118	14540	1425	560594	0.809991
MA0471.2.E2F6		8.6400e-25	2.3872e-23	330	14328	6756	555263	
MA0163.1.PLAG1		2.9260e-24	7.7958e-23	240	14418	4380	557639	1.640001
MA1511.1.KLF10		5.0760e-24	1.3057e-22	392	14266	8596	553423	
MA1623.1.Stat2		6.9757e-23	1.7346e-21	226	14432	4129	557890	
MA0041.1.Foxd3		9.0860e-23	2.1865e-21	133	14525	1864	560155	
MA0733.1.EGR4		1.7360e-22	4.0472e-21	172	14486	2795	559224	
MA0517.1.STAT1::STAT2		8.7537e-22	1.9789e-20	174	14484	2892	559127	1.190001
MA0139.1.CTCF		1.3821e-21	3.0325e-20	315	14343	6678	555341	
MA1650.1.ZBTB14		1.8595e-21	3.9633e-20	202	14456	3623	558396	
MA1517.1.KLF6		7.2388e-21	1.5000e-19	350	14308	7764	554255	
MA1514.1.KLF17		1.6582e-19	3.3433e-18	226	14432	4426	557593	
MA1587.1.ZNF135		5.2009e-18	1.0210e-16	194	14464	3704	558315	
MA1102.2.CTCFL		6.3305e-18	1.2109e-16	353	14305	8235	553784	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0493.1.Klf1		8.9898e-18	1.6766e-16	349	14309	8137	553882	2.380001
MA1630.1.Znf281		3.2079e-17	5.8369e-16	280	14378	6184	555835	
MA0742.1.Klf12		1.2819e-16	2.2769e-15	230	14428	4828	557191	1.569991
MA0080.5.SPI1		3.5761e-16	6.2041e-15	209	14449	4289	557730	
MA1615.1.Plagl1		6.2201e-16	1.0546e-14	223	14435	4706	557313	
MA1516.1.KLF3		8.7486e-16	1.4503e-14	279	14379	6335	555684	
MA0528.2.ZNF263		2.8915e-15	4.6892e-14	398	14260	10009	552010	2.719991
MA1648.1.TCF12(var.2)		3.6196e-15	5.7451e-14	211	14447	4452	557567	
MA1122.1.TFDP1		3.7625e-15	5.8476e-14	197	14461	4062	557957	
MA0504.1.NR2C2		2.6985e-14	4.1084e-13	158	14500	3078	558941	
MA0146.2.Zfx		7.4316e-14	1.1088e-12	222	14436	4918	557101	
MA0149.1.EWSR1-FLI1		1.7931e-13	2.6228e-12	266	14392	6263	555756	
MA0131.2.HINFP		3.6601e-12	5.2508e-11	83	14575	1318	560701	0.570001
MA0154.4.EBF1		2.8697e-11	4.0392e-10	111	14547	2095	559924	

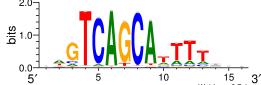
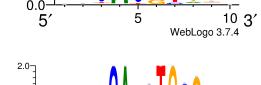
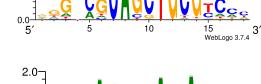
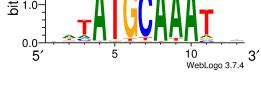
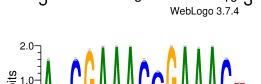
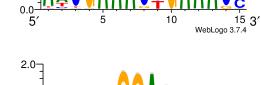
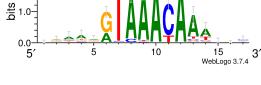
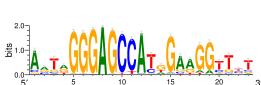
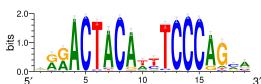
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0497.1.MEF2C		4.2411e-11	5.8590e-10	85	14573	1439	560580	
MA1656.1.ZNF449		4.4158e-11	5.9895e-10	143	14515	2986	559033	
MA0736.1.GLIS2		4.8885e-11	6.5122e-10	92	14566	1620	560399	
MA0472.2.EGR2		5.3631e-11	7.0191e-10	135	14523	2772	559247	0.919999
MA0734.2.GLI2		6.0707e-11	7.6912e-10	114	14544	2204	559815	0.779999
MA1418.1.IRF3		6.0828e-11	7.6912e-10	78	14580	1277	560742	
MA0751.1.ZIC4		6.3744e-11	7.9255e-10	131	14527	2669	559350	
MA1491.1.GLI3		1.3710e-10	1.6766e-09	110	14548	2129	559890	
MA1599.1.ZNF682		1.3997e-10	1.6842e-09	153	14505	3325	558694	
MA0815.1.TFAP2C(var.3)		1.8121e-10	2.1457e-09	103	14555	1953	560066	0.700000
MA1584.1.ZIC5		2.1186e-10	2.4695e-09	133	14525	2779	559240	
MA1628.1.Zic1::Zic2		2.1559e-10	2.4743e-09	209	14449	4997	557022	
MA1629.1.Zic2		2.4393e-10	2.7571e-09	190	14468	4436	557583	
MA0081.2.SPIB		4.8814e-10	5.4351e-09	199	14459	4748	557271	1.359999

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0697.1.ZIC3		5.2218e-10	5.7286e-09	126	14532	2625	559394	
MA0813.1.TFAP2B(var.3)		5.4435e-10	5.8853e-09	109	14549	2158	559861	
MA0696.1.ZIC1		7.6923e-10	8.1978e-09	139	14519	3011	559008	
MA1581.1.ZBTB6		7.8612e-10	8.2598e-09	124	14534	2588	559431	0.850001
MA0640.2.ELF3		8.8031e-10	9.1210e-09	200	14458	4816	557203	1.359991
MA1548.1.PLAGL2		1.3737e-09	1.4038e-08	114	14544	2335	559684	0.779991
MA0846.1.FOXC2		2.3911e-09	2.4105e-08	94	14564	1813	560206	
MA0473.3.ELF1		2.8979e-09	2.8824e-08	185	14473	4440	557579	
MA0506.1.NRF1		3.6675e-09	3.5685e-08	198	14460	4850	557169	
MA0522.3.TCF3		3.6833e-09	3.5685e-08	151	14507	3442	558577	
MA0052.4.MEF2A		3.8440e-09	3.6764e-08	80	14578	1461	560558	0.549991
MA0603.1.Arntl		4.3287e-09	4.0876e-08	65	14593	1084	560935	
MA0872.1.TFAP2A(var.3)		4.9870e-09	4.6504e-08	103	14555	2088	559931	0.700001

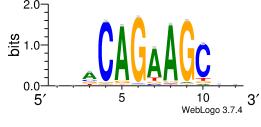
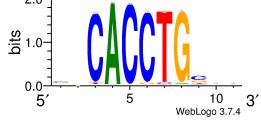
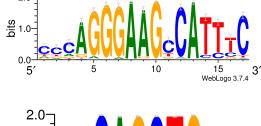
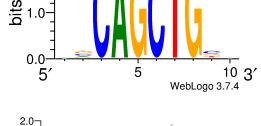
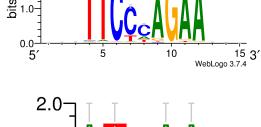
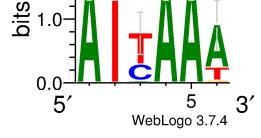
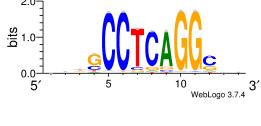
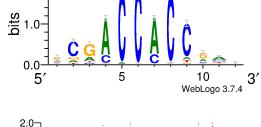
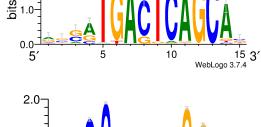
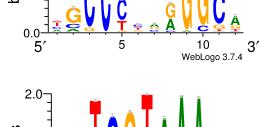
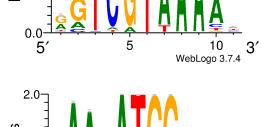
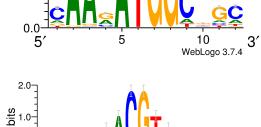
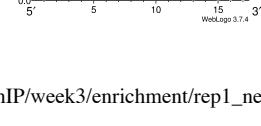
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MA1631.1.ASCL1(var.2)		9.0923e-09	8.3739e-08	151	14507	3494	558525	
MA0062.3.GABPA		1.1843e-08	1.0774e-07	178	14480	4320	557699	
MA0006.1.Ahr::Arnt		1.2603e-08	1.1328e-07	116	14542	2495	559524	
MA0057.1.MZF1(var.2)		1.3670e-08	1.2141e-07	146	14512	3370	558649	
MA0508.3.PRDM1		1.5531e-08	1.3631e-07	150	14508	3496	558523	
MA1651.1.ZFP42		2.0799e-08	1.8042e-07	67	14591	1184	560835	0.459999
MA0004.1.Arnt		2.9929e-08	2.5663e-07	102	14556	2141	559878	0.700000
MA0752.1.ZNF410		3.0375e-08	2.5750e-07	41	14617	568	561451	0.279999
MA1652.1.ZKSCAN5		3.1331e-08	2.6223e-07	230	14428	6003	556016	1.56999
MA0687.1.SPIC		3.1636e-08	2.6223e-07	114	14544	2484	559535	0.77999
MA0116.1.Znf423		3.3179e-08	2.7200e-07	84	14574	1649	560370	0.570000
MA0657.1.KLF13		3.3789e-08	2.7398e-07	86	14572	1704	560315	
MA0598.3.EHF		4.6110e-08	3.6987e-07	161	14497	3894	558125	1.09999

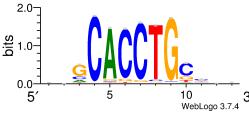
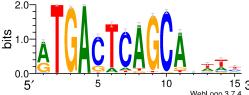
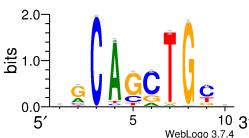
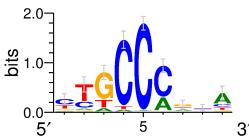
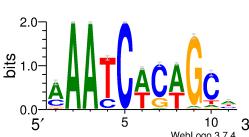
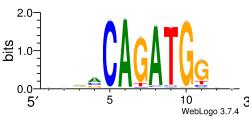
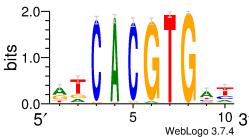
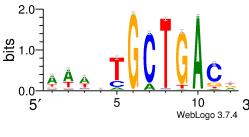
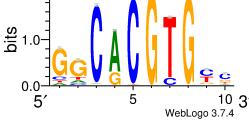
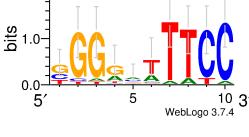
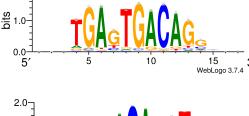
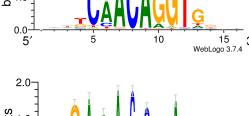
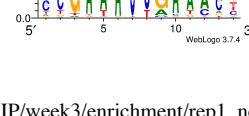
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MA0130.1.ZNF354C		4.6655e-08	3.7026e-07	136	14522	3146	558873	0.929991
MA0496.3.MAFK		5.3010e-08	4.1627e-07	129	14529	2947	559072	
MA0810.1.TFAP2A(var.2)		6.0062e-08	4.6673e-07	131	14527	3013	559006	
MA0065.2.Pparg::Rxra		6.4491e-08	4.9598e-07	140	14518	3284	558735	
MA0750.2.ZBTB7A		7.7128e-08	5.8712e-07	135	14523	3146	558873	0.919991
MA0692.1.TFEB		8.5884e-08	6.4716e-07	91	14567	1882	560137	
MA0513.1.SMAD2::SMAD3::SMAD4		9.9808e-08	7.4457e-07	116	14542	2602	559417	
MA0514.1.Sox3		1.1562e-07	8.4794e-07	137	14521	3230	558789	0.929991
MA0464.2.BHLHE40		1.1594e-07	8.4794e-07	54	14604	911	561108	
MA1637.1.EBF3		1.2150e-07	8.7998e-07	107	14551	2352	559667	
MA1464.1.ARNT2		1.2646e-07	9.0713e-07	61	14597	1091	560928	
MA1152.1.SOX15		1.3005e-07	9.2401e-07	90	14568	1873	560146	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1149.1.RARA::RXRG		1.3245e-07	9.3213e-07	70	14588	1328	560691	
MA1604.1.Ebf2		1.3905e-07	9.6946e-07	107	14551	2359	559660	
MA1115.1.POU5F1		1.6013e-07	1.1061e-06	86	14572	1771	560248	
MA0519.1.Stat5a::Stat5b		1.6456e-07	1.1262e-06	92	14566	1940	560079	
MA0104.4.MYCN		1.8941e-07	1.2846e-06	64	14594	1183	560836	
MA0636.1.BHLHE41		2.3903e-07	1.6065e-06	49	14609	809	561210	
MA1116.1.RBPJ		2.5011e-07	1.6659e-06	136	14522	3248	558771	0.929991
MA1099.2.HES1		3.3405e-07	2.2027e-06	96	14562	2088	559931	
MA0871.2.TFEC		3.3661e-07	2.2027e-06	79	14579	1610	560409	
MA0764.2.ETV4		3.7312e-07	2.4204e-06	256	14402	7055	554964	1.750001
MA0155.1.INSM1		3.9989e-07	2.5717e-06	136	14522	3278	558741	0.929991
MA1154.1.ZNF282		4.4533e-07	2.8394e-06	57	14601	1031	560988	0.389999
MA1109.1.NEUROD1		4.9622e-07	3.1371e-06	109	14549	2486	559533	

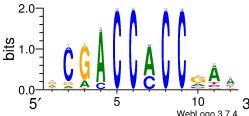
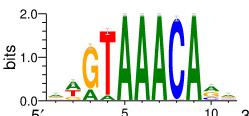
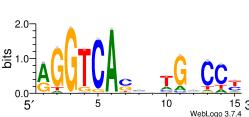
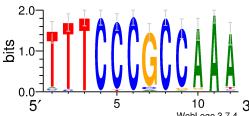
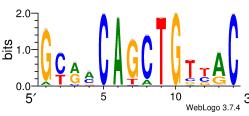
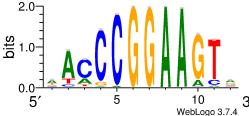
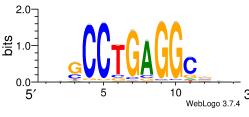
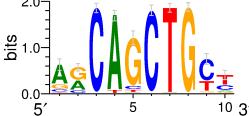
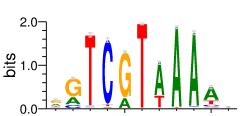
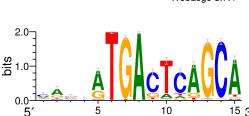
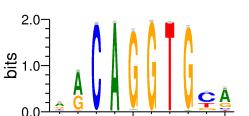
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MA0495.3.MAFF		5.7205e-07	3.5861e-06	62	14596	1171	560848	
MA1108.2.MXI1		5.8052e-07	3.6089e-06	98	14560	2174	559845	
MA1529.1.NHLH2		7.3093e-07	4.5064e-06	70	14588	1396	560623	
MA0627.2.POU2F3		9.5260e-07	5.8249e-06	76	14582	1573	560446	
MA0825.1.MNT		9.9659e-07	6.0444e-06	63	14595	1219	560800	
MA0653.1.IRF9		1.0081e-06	6.0647e-06	57	14601	1060	560959	0.389999
MA0761.2.ETV1		1.0789e-06	6.4389e-06	168	14490	4335	557684	
MA0851.1.Foxj3		1.1209e-06	6.6365e-06	61	14597	1170	560849	
MA1593.1.ZNF317		1.1993e-06	7.0447e-06	106	14552	2448	559571	
MA1600.1.ZNF684		1.5366e-06	8.9557e-06	89	14569	1965	560054	
MA1654.1.ZNF16		1.6412e-06	9.4910e-06	69	14589	1403	560616	0.470000
MA1573.1.THAP11		1.6812e-06	9.6476e-06	67	14591	1349	560670	0.459999
MA0744.2.SCRT2		1.9913e-06	1.1340e-05	58	14600	1112	560907	
MA0048.2.NHLH1		2.1583e-06	1.2197e-05	110	14548	2602	559417	

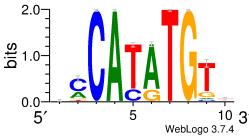
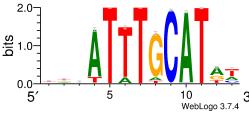
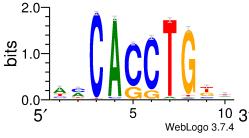
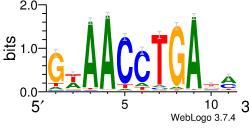
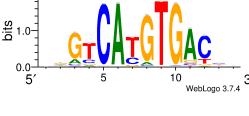
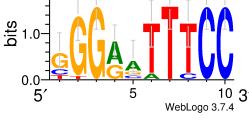
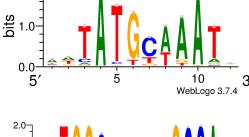
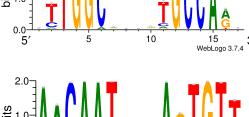
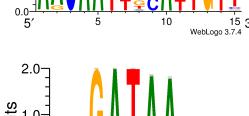
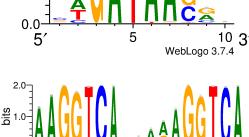
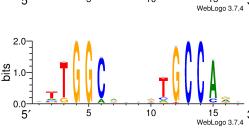
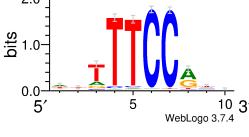
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0606.1.NFAT5		2.4003e-06	1.3463e-05	81	14577	1758	560261	0.549991
MA1576.1.THRB(var.3)		2.5644e-06	1.4276e-05	62	14596	1230	560789	
MA0521.1.Tcf12		2.7539e-06	1.5218e-05	140	14518	3533	558486	
MA0067.1.Pax2		2.8092e-06	1.5409e-05	40	14618	660	561359	
MA0059.1.MAX::MYC		2.8506e-06	1.5522e-05	60	14598	1180	560839	0.410000
MA0524.2.TFAP2C		2.9926e-06	1.6177e-05	95	14563	2176	559843	
MA0494.1.Nr1h3::Rxra		3.1571e-06	1.6944e-05	54	14604	1023	560996	
MA0159.1.RARA::RXRA		3.2722e-06	1.7436e-05	64	14594	1295	560724	
MA0645.1.ETV6		3.4047e-06	1.8014e-05	117	14541	2842	559177	
MA0138.2.REST		3.5667e-06	1.8738e-05	66	14592	1354	560665	0.449999
MA1633.1.BACH1		3.7179e-06	1.9396e-05	138	14520	3493	558526	0.940001
MA0089.2.NFE2L1		4.1465e-06	2.1481e-05	100	14558	2343	559676	0.679991
MA1621.1.Rbpjl		4.8323e-06	2.4861e-05	76	14582	1650	560369	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1646.1.OSR2		5.0100e-06	2.5599e-05	110	14548	2655	559364	
MA0103.3.ZEB1		5.8311e-06	2.9592e-05	140	14518	3589	558430	
MA1597.1.ZNF528		5.8768e-06	2.9622e-05	81	14577	1804	560215	0.549999
MA1635.1.BHLHE22(var.2)		5.9238e-06	2.9659e-05	113	14545	2757	559262	
MA1625.1.Stat5b		6.1717e-06	3.0694e-05	69	14589	1463	560556	0.470000C
MA0151.1.Arid3a		6.3627e-06	3.1434e-05	94	14564	2190	559829	
MA0003.4.TFAP2A		6.6015e-06	3.2368e-05	130	14528	3287	558732	
MA0695.1.ZBTB7C		6.6385e-06	3.2368e-05	65	14593	1354	560665	
MA0591.1.Bach1::Mafk		8.8611e-06	4.2924e-05	109	14549	2662	559357	
MA0811.1.TFAP2B		9.1761e-06	4.4164e-05	93	14565	2182	559837	
MA0906.1.HOXC12		9.2775e-06	4.4177e-05	27	14631	383	561636	
MA0095.2.YY1		9.2974e-06	4.4177e-05	92	14566	2153	559866	
MA0615.1.Gmеб1		9.7199e-06	4.5893e-05	16	14642	156	561863	

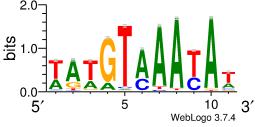
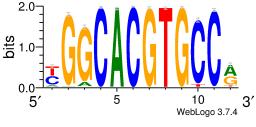
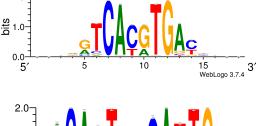
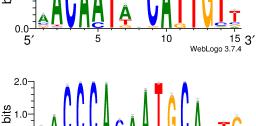
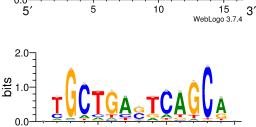
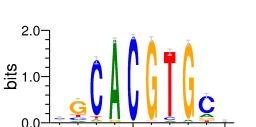
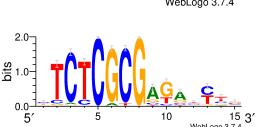
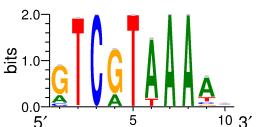
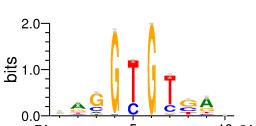
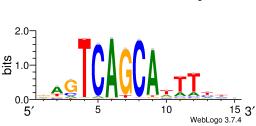
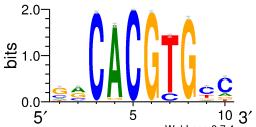
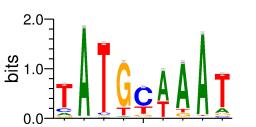
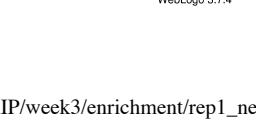
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0830.2.TCF4		1.0080e-05	4.7295e-05	122	14536	3070	558949	
MA0501.1.MAF::NFE2		1.0676e-05	4.9778e-05	103	14555	2492	559527	0.700000
MA1100.2.ASCL1		1.2034e-05	5.5513e-05	106	14552	2591	559428	
MA0597.1.THAP1		1.2114e-05	5.5513e-05	109	14549	2683	559336	
MA0483.1.Gfi1b		1.2130e-05	5.5513e-05	83	14575	1902	560117	0.570000
MA1642.1.NEUROG2(var.2)		1.2769e-05	5.8085e-05	95	14563	2262	559757	
MA0664.1.MLXIPL		1.2948e-05	5.8540e-05	44	14614	811	561208	
MA0117.2.Mafb		1.3837e-05	6.2183e-05	64	14594	1360	560659	
MA0616.2.HES2		1.4429e-05	6.4457e-05	57	14601	1166	560853	0.389999
MA0101.1.REL		1.4595e-05	6.4807e-05	60	14598	1250	560769	0.410000
MA1114.1.PBX3		1.6174e-05	7.1395e-05	84	14574	1948	560071	0.570000
MA0743.2.SCRT1		1.9895e-05	8.7302e-05	54	14604	1097	560922	
MA1420.1.IRF5		2.0743e-05	9.0492e-05	36	14622	621	561398	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0526.3.USF2		2.1458e-05	9.3068e-05	78	14580	1787	560232	
MA0748.2.YY2		2.1628e-05	9.3261e-05	81	14577	1876	560143	0.549999
MA0908.1.HOXD11		2.2870e-05	9.8051e-05	28	14630	428	561591	
MA0147.3.MYC		2.4033e-05	1.0209e-04	66	14592	1444	560575	0.449999
MA0076.2.ELK4		2.4085e-05	1.0209e-04	119	14539	3041	558978	0.809999
MA0789.1.POU3F4		2.5686e-05	1.0781e-04	71	14587	1592	560427	
MA0622.1.Mlxip		2.5724e-05	1.0781e-04	50	14608	998	561021	0.339999
MA0831.2.TFE3		2.6428e-05	1.1002e-04	80	14578	1858	560161	0.549999
MA0112.3.ESR1		2.6547e-05	1.1002e-04	41	14617	758	561261	0.279999
MA1601.1.ZNF75D		2.6770e-05	1.1033e-04	136	14522	3584	558435	0.929999
MA1523.1.MSANTD3		2.7032e-05	1.1080e-04	81	14577	1889	560130	0.549999
MA0782.2.PKNOX1		2.9468e-05	1.2013e-04	76	14582	1746	560273	

FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0694.1.ZBTB7B		3.0788e-05	1.2482e-04	51	14607	1033	560986	0.35000C
MA0593.1.FOXP2		3.1126e-05	1.2551e-04	83	14575	1957	560062	0.57000I
MA0258.2.ESR2		3.1372e-05	1.2582e-04	72	14586	1632	560387	
MA0865.1.E2F8		3.1902e-05	1.2727e-04	50	14608	1007	561012	0.33999S
MA1485.1.FERD3L		3.2352e-05	1.2838e-04	73	14585	1663	560356	
MA1483.1.ELF2		3.2917e-05	1.2993e-04	67	14591	1489	560530	0.45999S
MA0814.2.TFAP2C(var.2)		3.5108e-05	1.3784e-04	149	14509	4022	557997	
MA0816.1.Ascl2		3.8709e-05	1.5119e-04	115	14543	2952	559067	0.77999I
MA0651.1.HOXC11		4.0666e-05	1.5740e-04	24	14634	349	561670	
MA0150.2.Nfe2l2		4.0778e-05	1.5740e-04	98	14560	2429	559590	
MA1559.1.SNAI3		4.0933e-05	1.5740e-04	106	14552	2676	559343	
MA0632.2.TCFL5		4.3262e-05	1.6550e-04	93	14565	2280	559739	
MA0480.1.Foxo1		4.6439e-05	1.7675e-04	86	14572	2072	559947	

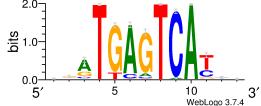
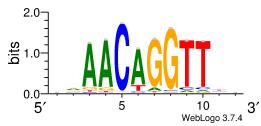
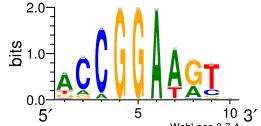
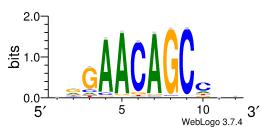
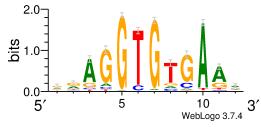
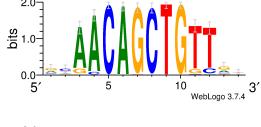
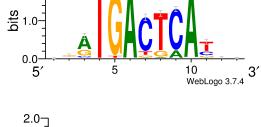
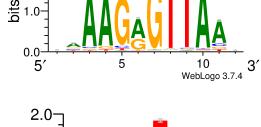
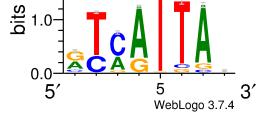
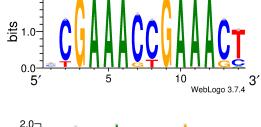
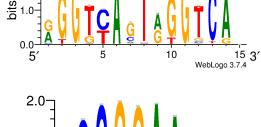
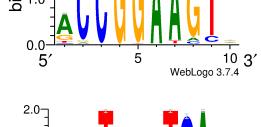
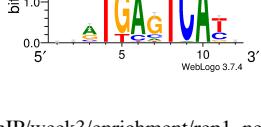
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0633.1.Twist2		4.9972e-05	1.8923e-04	52	14606	1082	560937	0.35000C
MA0507.1.POU2F2		5.0512e-05	1.9031e-04	68	14590	1541	560478	0.45999C
MA0820.1.FIGLA		5.6477e-05	2.1172e-04	84	14574	2024	559995	0.57000I
MA1118.1.SIX1		5.8329e-05	2.1757e-04	56	14602	1202	560817	
MA0093.3.USF1		5.9760e-05	2.2180e-04	77	14581	1817	560202	
MA0107.1.RELA		6.0202e-05	2.2228e-04	60	14598	1318	560701	0.41000C
MA0785.1.POU2F1		6.0486e-05	2.2228e-04	64	14594	1434	560585	
MA1527.1.NFIC(var.2)		6.1634e-05	2.2539e-04	64	14594	1435	560584	
MA0866.1.SOX21		6.3458e-05	2.3093e-04	36	14622	658	561361	
MA0766.2.GATA5		6.4815e-05	2.3371e-04	117	14541	3055	558964	
MA0860.1.Rarg(var.2)		6.4851e-05	2.3371e-04	59	14599	1293	560726	
MA1528.1.NFIX(var.2)		6.7124e-05	2.4074e-04	66	14592	1498	560521	0.44999C
MA0624.1.NFATC1		6.7716e-05	2.4170e-04	60	14598	1324	560695	0.41000C

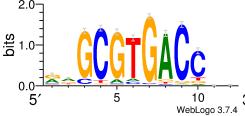
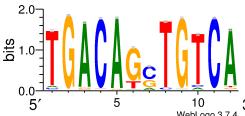
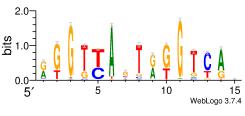
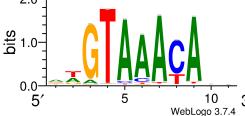
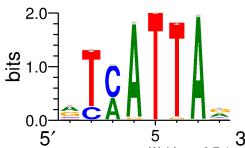
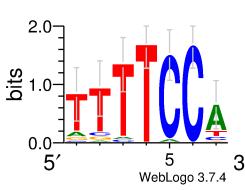
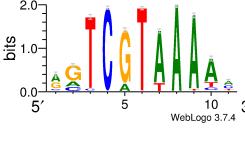
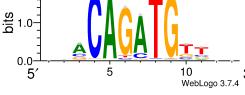
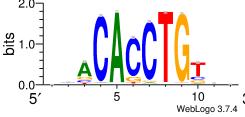
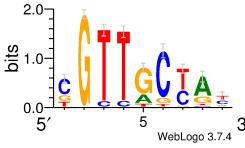
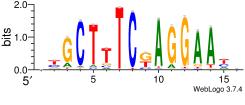
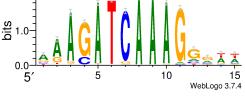
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0058.3.MAX		7.0071e-05	2.4833e-04	54	14604	1154	560865	
MA0637.1.CENPB		7.0239e-05	2.4833e-04	23	14635	339	561680	
MA0500.2.MYOG		7.2005e-05	2.5338e-04	85	14573	2070	559949	
MA1503.1.HOXB9		7.3193e-05	2.5635e-04	25	14633	387	561632	0.169999
MA0663.1.MLX		7.9238e-05	2.7505e-04	42	14616	826	561193	
MA1493.1.HES6		7.9272e-05	2.7505e-04	48	14610	991	561028	
MA1589.1.ZNF140		9.4661e-05	3.2693e-04	47	14611	971	561048	
MA1569.1.TFAP2E		9.9365e-05	3.4159e-04	89	14569	2214	559805	
MA0142.1.Pou5f1::Sox2		1.0063e-04	3.4436e-04	62	14596	1403	560616	
MA1647.1.PRDM4		1.1130e-04	3.7741e-04	85	14573	2099	559920	
MA0137.3.STAT1		1.1130e-04	3.7741e-04	74	14584	1765	560254	
MA0745.2.SNAI2		1.1293e-04	3.8122e-04	79	14579	1917	560102	
MA1638.1.HAND2		1.2122e-04	4.0733e-04	106	14552	2758	559261	

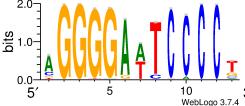
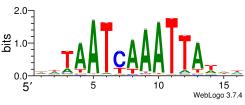
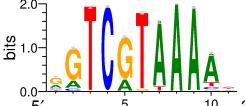
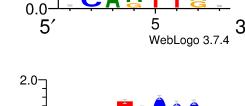
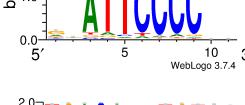
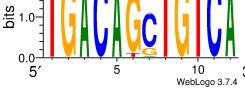
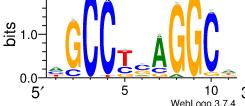
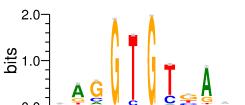
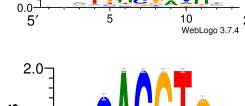
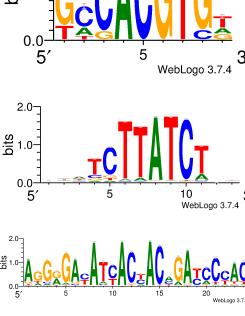
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0845.1.FOXB1		1.2378e-04	4.1407e-04	61	14597	1385	560634	
MA0822.1.HES7		1.2817e-04	4.2687e-04	40	14618	791	561228	
MA0620.3.MITF		1.3138e-04	4.3561e-04	40	14618	792	561227	
MA0870.1.Sox1		1.4286e-04	4.7156e-04	31	14627	556	561463	
MA0088.2.ZNF143		1.4553e-04	4.7825e-04	54	14604	1190	560829	
MA1521.1.MAFA		1.5000e-04	4.8875e-04	52	14606	1134	560885	0.350000
MA1560.1.SOHLH2		1.5003e-04	4.8875e-04	43	14615	880	561139	
MA0527.1.ZBTB33		1.5072e-04	4.8886e-04	41	14617	825	561194	0.279999
MA0485.2.HOXC9		1.6060e-04	5.1864e-04	24	14634	384	561635	
MA1566.1.TBX3		1.6527e-04	5.3144e-04	77	14581	1881	560138	
MA0659.2.MAFG		1.6667e-04	5.3363e-04	62	14596	1431	560588	
MA0823.1HEY1		1.8225e-04	5.8102e-04	51	14607	1115	560904	0.350000
MA0792.1.POU5F1B		1.9022e-04	6.0384e-04	71	14587	1708	560311	

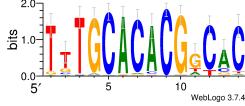
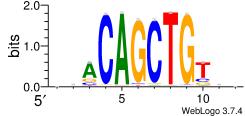
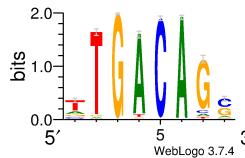
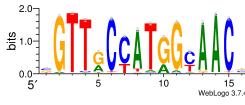
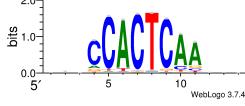
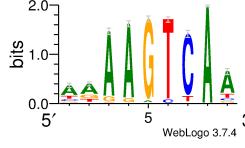
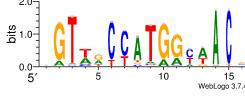
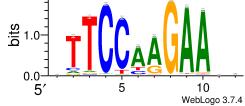
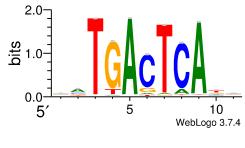
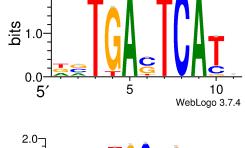
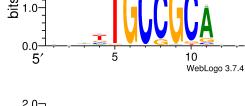
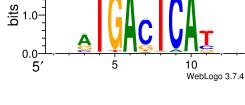
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0499.2.MYOD1		1.9253e-04	6.0860e-04	88	14570	2230	559789	
MA1540.1.NR5A1		2.1348e-04	6.7011e-04	77	14581	1898	560121	
MA1124.1.ZNF24		2.1379e-04	6.7011e-04	60	14598	1386	560633	0.41000C
MA0626.1.Npas2		2.1797e-04	6.8036e-04	46	14612	981	561038	
MA0649.1HEY2		2.3144e-04	7.1939e-04	52	14606	1156	560863	0.35000C
MA1106.1.HIF1A		2.3621e-04	7.3116e-04	37	14621	734	561285	
MA1639.1.MEIS1(var.2)		2.4099e-04	7.4102e-04	43	14615	901	561118	
MA0698.1.ZBTB18		2.4138e-04	7.4102e-04	78	14580	1937	560082	
MA1622.1.Smad2::Smad3		2.4395e-04	7.4585e-04	101	14557	2656	559363	
MA1507.1.HOXD4		2.5662e-04	7.8139e-04	35	14623	683	561336	
MA0847.2.FOXD2		2.6103e-04	7.9158e-04	62	14596	1457	560562	
MA0017.2.NR2F1		2.6898e-04	8.1214e-04	83	14575	2099	559920	0.57000I
MA0772.1.IRF7		2.6999e-04	8.1214e-04	62	14596	1459	560560	

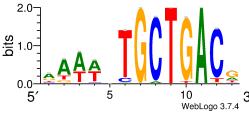
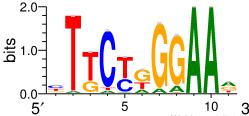
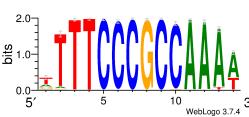
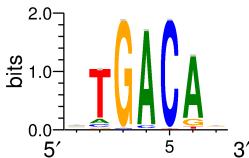
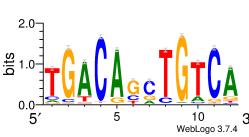
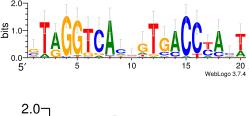
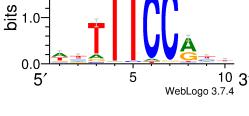
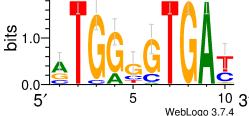
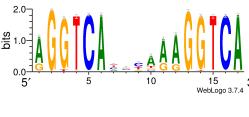
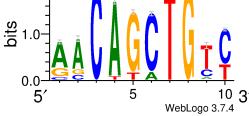
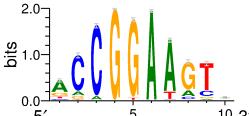
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1643.1.NFIB		2.8919e-04	8.6640e-04	58	14600	1344	560675	
MA0489.1.JUN(var.2)		2.9810e-04	8.8954e-04	114	14544	3088	558931	0.779991
MA1119.1.SIX2		3.0031e-04	8.9255e-04	47	14611	1025	560994	
MA0063.2.NKX2-5		3.0313e-04	8.9737e-04	50	14608	1112	560907	0.339999
MA0784.1.POU1F1		3.1009e-04	9.1435e-04	58	14600	1348	560671	
MA1535.1.NR2C1		3.3713e-04	9.9016e-04	91	14567	2366	559653	
MA0901.2.HOXB13		3.4250e-04	1.0020e-03	53	14605	1206	560813	
MA0479.1.FOXH1		3.4443e-04	1.0027e-03	52	14606	1177	560842	0.350000
MA0783.1.PKNOX2		3.4542e-04	1.0027e-03	64	14594	1534	560485	
MA1636.1.CEBPG(var.2)		3.5087e-04	1.0145e-03	52	14606	1178	560841	0.350000
MA0032.2.FOXC1		3.6831e-04	1.0609e-03	64	14594	1538	560481	
MA1123.2.TWIST1		3.7463e-04	1.0749e-03	75	14583	1875	560144	
MA1558.1.SNAI1		3.7713e-04	1.0750e-03	101	14557	2692	559327	

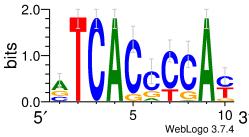
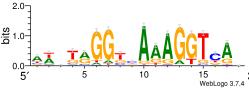
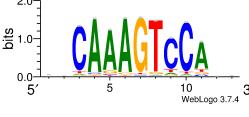
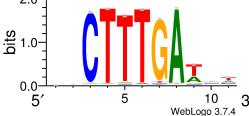
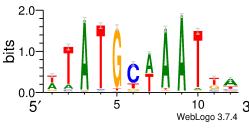
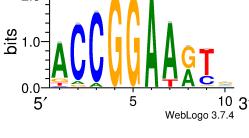
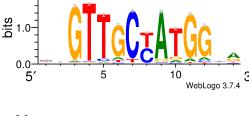
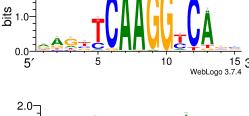
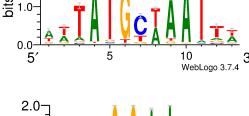
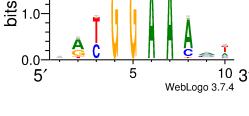
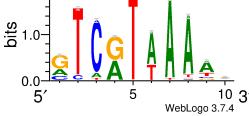
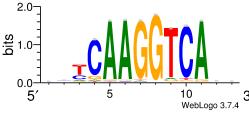
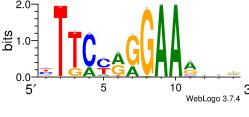
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1141.1.FOS::JUND		3.7754e-04	1.0750e-03	102	14556	2724	559295	0.700000
MA1105.2.GRHL2		3.8023e-04	1.0785e-03	46	14612	1008	561011	
MA0156.2.FEV		3.8219e-04	1.0800e-03	59	14599	1390	560629	
MA1655.1.ZNF341		3.9077e-04	1.1000e-03	81	14577	2064	559955	0.549999
MA1565.1.TBX18		3.9755e-04	1.1149e-03	87	14571	2253	559766	
MA0832.1.Tcf21		4.1183e-04	1.1507e-03	43	14615	926	561093	
MA1128.1.FOSL1::JUN		4.5520e-04	1.2671e-03	101	14557	2708	559311	
MA1657.1.ZNF652		4.6012e-04	1.2760e-03	44	14614	960	561059	
MA1496.1.HOXA4		4.8706e-04	1.3457e-03	35	14623	709	561310	
MA0652.1.IRF8		4.9170e-04	1.3535e-03	42	14616	906	561113	
MA1531.1.NR1D1		4.9611e-04	1.3607e-03	55	14603	1286	560733	
MA0028.2.ELK1		4.9976e-04	1.3656e-03	63	14595	1527	560492	
MA1130.1.FOSL2::JUN		5.0440e-04	1.3733e-03	103	14555	2781	559238	0.700000

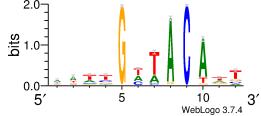
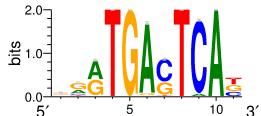
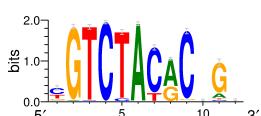
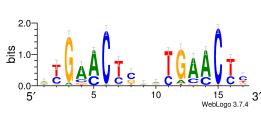
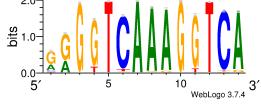
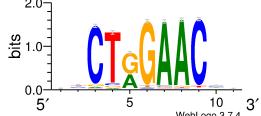
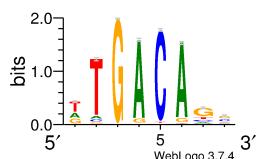
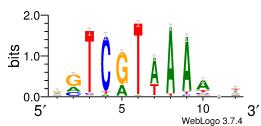
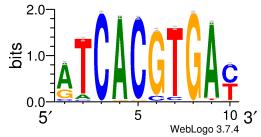
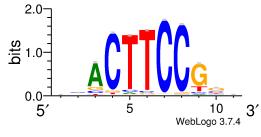
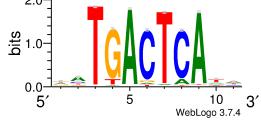
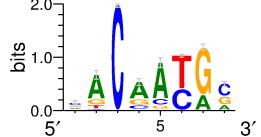
FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0014.3.PAX5		5.3130e-04	1.4388e-03	55	14603	1290	560729	
MA0797.1.TGIF2		5.3233e-04	1.4388e-03	50	14608	1142	560877	0.339999
MA1532.1.NR1D2		5.6637e-04	1.5232e-03	49	14609	1116	560903	
MA0047.3.FOXA2		5.6871e-04	1.5232e-03	55	14603	1294	560725	
MA1499.1.HOXB4		5.6968e-04	1.5232e-03	31	14627	606	561413	
MA0152.1.NFATC2		5.7263e-04	1.5257e-03	61	14597	1475	560544	
MA0873.1.HOXD12		6.0025e-04	1.5935e-03	20	14638	323	561696	0.139999
MA1618.1.Ptf1a		6.0377e-04	1.5972e-03	75	14583	1909	560110	
MA1620.1.Ptf1a(var.3)		6.3719e-04	1.6749e-03	68	14590	1696	560323	0.459999
MA1554.1.RFX7		6.3762e-04	1.6749e-03	50	14608	1152	560867	0.339999
MA0463.2.BCL6		6.4495e-04	1.6882e-03	35	14623	721	561298	
MA0768.1.LEF1		6.5054e-04	1.6969e-03	56	14602	1332	560687	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0105.4.NFKB1		6.6809e-04	1.7366e-03	42	14616	921	561098	
MA0681.2.PHOX2B		7.0627e-04	1.8294e-03	41	14617	895	561124	0.279999
MA1506.1.HOXD10		7.1098e-04	1.8353e-03	23	14635	403	561616	
MA1504.1.HOXC4		7.1615e-04	1.8422e-03	33	14625	670	561349	0.229999
MA1117.1.RELB		7.5152e-04	1.9266e-03	51	14607	1191	560828	0.35000C
MA0796.1.TGIF1		7.6463e-04	1.9535e-03	51	14607	1192	560827	0.35000C
MA0812.1.TFAP2B(var.2)		7.6738e-04	1.9538e-03	89	14569	2369	559650	
MA1567.1.TBX6		8.1188e-04	2.0601e-03	60	14598	1467	560552	0.41000C
MA0482.2.GATA4		8.3460e-04	2.1105e-03	127	14531	3611	558408	0.86999I
MA0018.4.CREB1		8.5242e-04	2.1483e-03	73	14585	1872	560147	
MA0608.1.Creb3l2		8.5964e-04	2.1592e-03	50	14608	1169	560850	0.339999
MA1104.2.GATA6		8.8908e-04	2.2257e-03	107	14551	2962	559057	
MA1594.1.ZNF382		9.4680e-04	2.3623e-03	30	14628	599	561420	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0863.1.MTF1		9.8978e-04	2.4613e-03	40	14618	883	561136	
MA1641.1.MYF5		1.0013e-03	2.4816e-03	69	14589	1759	560260	0.470000
MA0774.1.MEIS2		1.0174e-03	2.5131e-03	85	14573	2265	559754	
MA0510.2.RFX5		1.0317e-03	2.5402e-03	35	14623	742	561277	
MA1645.1.NKX2-2		1.0922e-03	2.6802e-03	63	14595	1579	560440	
MA0676.1.Nr2e1		1.1059e-03	2.7050e-03	62	14596	1549	560470	
MA1607.1.Foxl2		1.1111e-03	2.7087e-03	55	14603	1335	560684	
MA0799.1.RFX4		1.1250e-03	2.7336e-03	35	14623	746	561273	
MA1624.1.Stat5a		1.1524e-03	2.7913e-03	61	14597	1521	560498	
MA1634.1.BATF		1.1585e-03	2.7968e-03	113	14545	3184	558835	
MA0476.1.FOS		1.1679e-03	2.8106e-03	112	14546	3152	558867	
MA1583.1.ZFP57		1.1743e-03	2.8167e-03	28	14630	553	561466	
MA0477.2.FOSL1		1.1896e-03	2.8443e-03	98	14560	2697	559322	

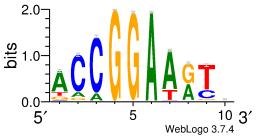
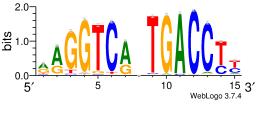
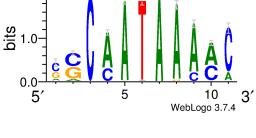
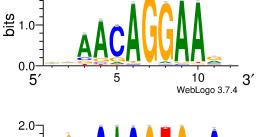
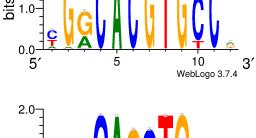
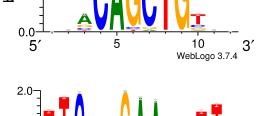
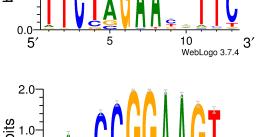
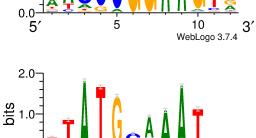
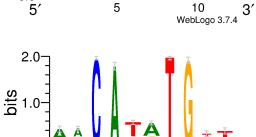
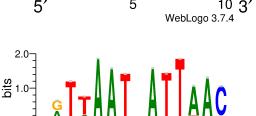
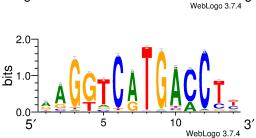
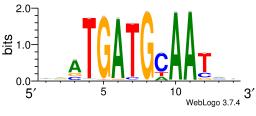
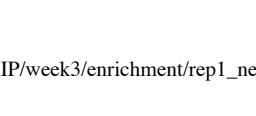
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MA0842.2.NRL		1.2052e-03	2.8724e-03	48	14610	1129	560890	
MA0144.2.STAT3		1.2146e-03	2.8856e-03	83	14575	2216	559803	0.570000
MA0758.1.E2F7		1.2427e-03	2.9431e-03	31	14627	638	561381	
MA0498.2.MEIS1		1.2762e-03	3.0041e-03	40	14618	896	561123	
MA1571.1.TGIF2LX		1.2765e-03	3.0041e-03	38	14620	838	561181	
MA0066.1.PPARG		1.3022e-03	3.0549e-03	32	14626	668	561351	
MA0625.1.NFATC3		1.3155e-03	3.0765e-03	57	14601	1407	560612	0.389999
MA0596.1.SREBF2		1.3199e-03	3.0769e-03	83	14575	2223	559796	0.570000
MA0730.1.RARA(var.2)		1.3321e-03	3.0925e-03	50	14608	1195	560824	0.339999
MA1467.1.ATOH1(var.2)		1.3348e-03	3.0925e-03	94	14564	2578	559441	
MA0759.1.ELK3		1.3617e-03	3.1449e-03	58	14600	1440	560579	
MA0760.1.ERF		1.3888e-03	3.1977e-03	64	14594	1627	560392	

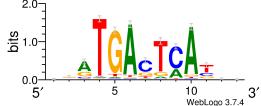
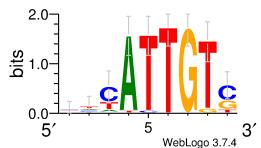
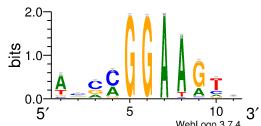
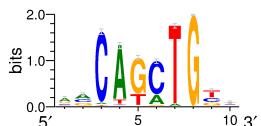
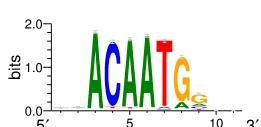
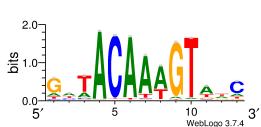
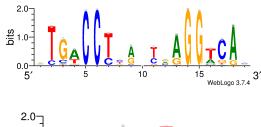
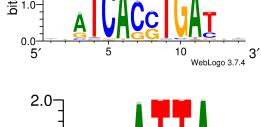
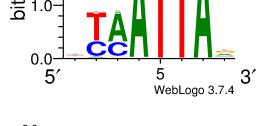
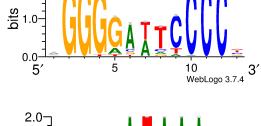
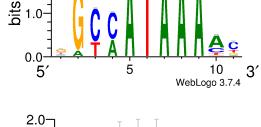
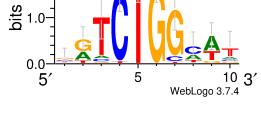
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0595.1.SREBF1		1.3994e-03	3.2121e-03	84	14574	2260	559759	0.570001
MA1148.1.PPARA::RXRA		1.4272e-03	3.2660e-03	48	14610	1139	560880	
MA0114.4.HNF4A		1.4787e-03	3.3735e-03	52	14606	1262	560757	0.350000C
MA0769.2.TCF7		1.5010e-03	3.4140e-03	47	14611	1112	560907	
MA0787.1.POU3F2		1.5274e-03	3.4633e-03	57	14601	1417	560602	0.389999
MA0475.2.FLI1		1.5365e-03	3.4734e-03	60	14598	1510	560509	0.410000C
MA0798.2.RFX3		1.5810e-03	3.5632e-03	60	14598	1512	560507	0.410000C
MA0505.1.Nr5a2		1.6600e-03	3.7300e-03	67	14591	1734	560285	0.459999
MA0788.1.POU3F3		1.6880e-03	3.7814e-03	51	14607	1240	560779	0.350000C
MA1525.1.NFATC4		1.6989e-03	3.7851e-03	54	14604	1332	560687	
MA0905.1.HOXC10		1.6997e-03	3.7851e-03	25	14633	486	561533	0.169999
MA0592.3.ESRRA		1.7709e-03	3.9319e-03	58	14600	1458	560561	
MA0518.1.Stat4		1.8041e-03	3.9936e-03	70	14588	1835	560184	

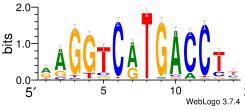
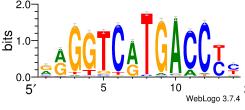
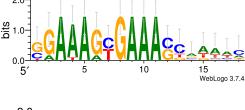
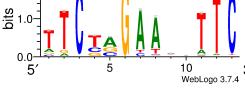
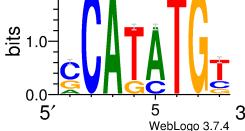
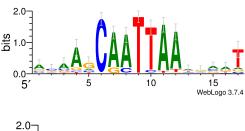
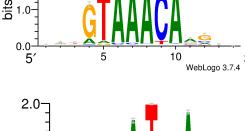
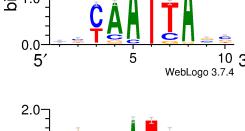
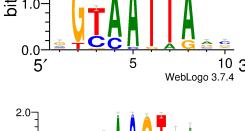
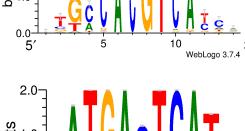
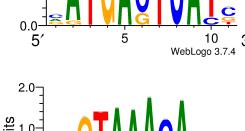
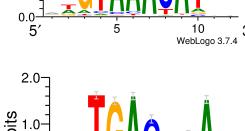
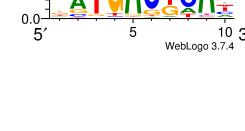
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MA1478.1.DMRTA2		1.8322e-03	4.0439e-03	30	14628	627	561392	
MA0478.1.FOSL2		1.9037e-03	4.1892e-03	129	14529	3768	558251	
MA1602.1.ZSCAN29		1.9130e-03	4.1973e-03	28	14630	573	561446	
MA1533.1.NR1I2		1.9513e-03	4.2689e-03	33	14625	715	561304	0.229999
MA0855.1.RXRB		1.9657e-03	4.2753e-03	53	14605	1311	560708	
MA1649.1.ZBTB12		1.9657e-03	4.2753e-03	53	14605	1311	560708	
MA0775.1.MEIS3		2.0675e-03	4.4837e-03	76	14582	2037	559982	
MA0911.1.Hoxa11		2.0948e-03	4.5297e-03	19	14639	335	561684	
MA0828.1.SREBF2(var.2)		2.1230e-03	4.5773e-03	47	14611	1133	560886	
MA0765.2.ETV5		2.1423e-03	4.6057e-03	100	14558	2819	559200	0.67999
MA0835.2.BATF3		2.1710e-03	4.6540e-03	115	14543	3316	558703	0.77999
MA1563.1.SOX18		2.2382e-03	4.7835e-03	46	14612	1106	560913	

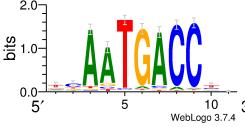
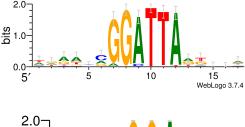
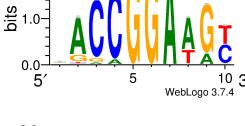
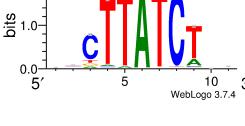
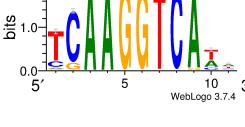
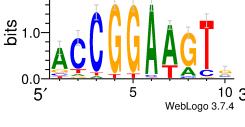
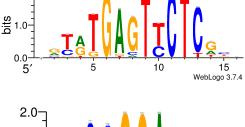
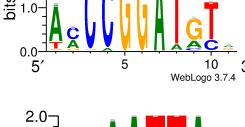
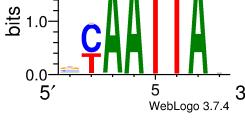
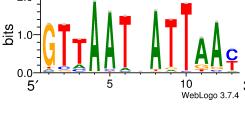
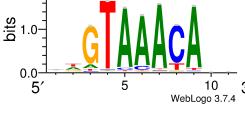
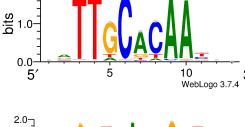
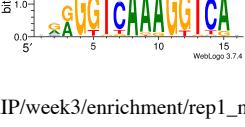
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MA0462.2.BATF::JUN		2.2443e-03	4.7835e-03	112	14546	3220	558799	
MA0858.1.Rarb(var.2)		2.2858e-03	4.8486e-03	42	14616	987	561032	
MA0735.1.GLIS1		2.2878e-03	4.8486e-03	30	14628	637	561382	
MA0643.1.Esrrg		2.3747e-03	5.0186e-03	59	14599	1510	560509	
MA1101.2.BACH2		2.4888e-03	5.2440e-03	57	14601	1451	560568	0.389999
MA0600.2.RFX2		2.4955e-03	5.2440e-03	30	14628	641	561378	
MA0122.3.Nkx3-2		2.5477e-03	5.3387e-03	34	14624	757	561262	0.229999
MA1556.1.RXRG(var.2)		2.5594e-03	5.3482e-03	45	14613	1084	560935	
MA1421.1.TCF7L1		2.5876e-03	5.3916e-03	63	14595	1642	560377	
MA0509.2.RFX1		2.5946e-03	5.3916e-03	57	14601	1454	560565	0.389999
MA0661.1.MEOX1		2.6426e-03	5.4629e-03	24	14634	476	561543	
MA0520.1.Stat6		2.6436e-03	5.4629e-03	45	14613	1086	560933	
MA0503.1.Nkx2-5(var.2)		2.6779e-03	5.5186e-03	75	14583	2027	559992	
MA1479.1.DMRTC2		2.6990e-03	5.5467e-03	32	14626	702	561317	

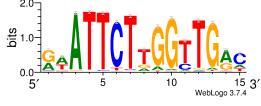
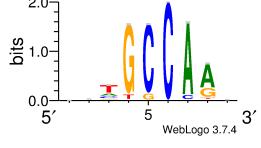
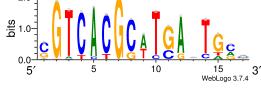
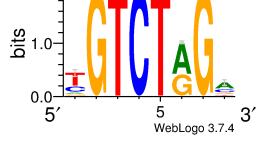
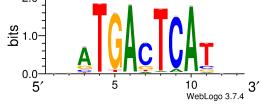
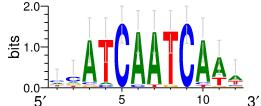
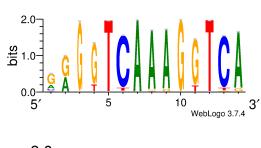
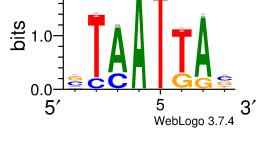
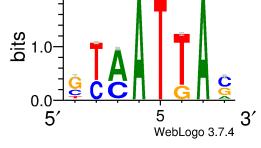
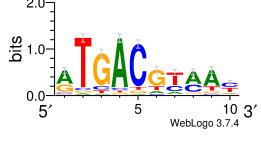
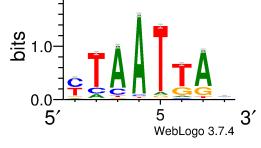
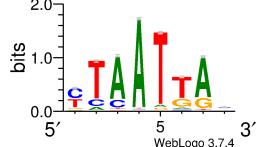
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0484.2.HNF4G		2.7503e-03	5.6366e-03	51	14607	1272	560747	0.350000
MA1481.1.DRGX		2.7864e-03	5.6949e-03	21	14637	397	561622	0.139999
MA1419.1.IRF4		2.8109e-03	5.7294e-03	32	14626	704	561315	
MA0259.1.ARNT::HIF1A		2.8674e-03	5.8184e-03	29	14629	619	561400	
MA0492.1.JUND(var.2)		2.8702e-03	5.8184e-03	59	14599	1524	560495	
MA0895.1.HMBOX1		2.9658e-03	5.9959e-03	27	14631	564	561455	
MA0912.2.HOXD3		3.0189e-03	6.0869e-03	37	14621	854	561165	
MA0807.1.TBX5		3.2025e-03	6.4396e-03	79	14579	2172	559847	
MA0491.2.JUND		3.3410e-03	6.6999e-03	90	14568	2535	559484	
MA0038.2.GFI1		3.4077e-03	6.8154e-03	45	14613	1102	560917	
MA0826.1.OLIG1		3.4586e-03	6.8987e-03	22	14636	432	561587	
MA1574.1.THRB		3.4766e-03	6.9162e-03	58	14600	1507	560512	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0474.2.ERG		3.5449e-03	7.0333e-03	57	14601	1477	560542	0.389999
MA1538.1.NR2F1(var.3)		3.5693e-03	7.0629e-03	32	14626	716	561303	
MA0909.2.HOXD13		3.6834e-03	7.2694e-03	39	14619	925	561094	
MA1508.1.IKZF1		3.6974e-03	7.2778e-03	148	14510	4493	557526	
MA0821.1.HES5		3.8579e-03	7.5737e-03	32	14626	720	561299	
MA1619.1.Ptf1a(var.2)		3.8843e-03	7.6054e-03	64	14594	1706	560313	
MA0770.1.HSF2		4.0233e-03	7.8570e-03	34	14624	781	561238	0.229999
MA0641.1.ELF4		4.0788e-03	7.9446e-03	65	14593	1742	560277	
MA0786.1.POU3F1		4.4373e-03	8.6203e-03	55	14603	1431	560588	
MA1570.1.TFAP4(var.2)		4.4948e-03	8.7093e-03	32	14626	728	561291	
MA0046.2.HNF1A		4.5902e-03	8.8712e-03	25	14633	527	561492	0.169999
MA1553.1.RARG(var.3)		4.6305e-03	8.9062e-03	30	14628	671	561348	
MA0833.2.ATF4		4.6322e-03	8.9062e-03	48	14610	1215	560804	

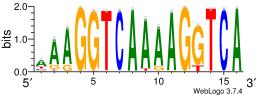
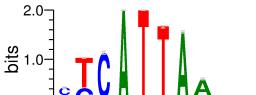
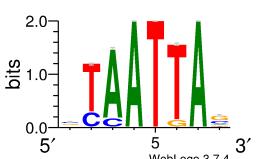
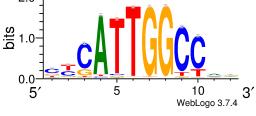
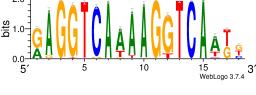
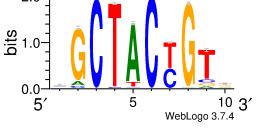
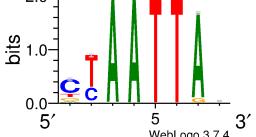
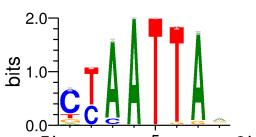
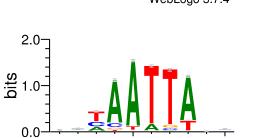
FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1137.1.FOSL1::JUNB		4.6729e-03	8.9615e-03	88	14570	2503	559516	
MA0078.1.Sox17		4.7308e-03	9.0492e-03	43	14615	1062	560957	
MA0136.2.ELF5		4.8118e-03	9.1806e-03	87	14571	2473	559546	
MA1472.1.BHLHA15(var.2)		4.8550e-03	9.2394e-03	79	14579	2211	559808	
MA1120.1.SOX13		4.9065e-03	9.2751e-03	45	14613	1126	560893	
MA1603.1.Dmrt1		4.9104e-03	9.2751e-03	30	14628	674	561345	
MA1575.1.THRB(var.2)		4.9111e-03	9.2751e-03	34	14624	792	561227	0.229999
MA0829.2.SREBF1(var.2)		5.0141e-03	9.4457e-03	40	14618	974	561045	
MA0132.2.PDX1		5.1297e-03	9.6391e-03	25	14633	532	561487	0.169999
MA0778.1.NFKB2		5.2133e-03	9.7716e-03	39	14619	946	561073	
MA0878.2.CDX1		5.3681e-03	1.0026e-02	36	14622	857	561162	
MA0092.1.Hand1::Tcf3		5.3759e-03	1.0026e-02	59	14599	1573	560446	

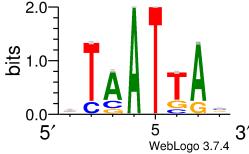
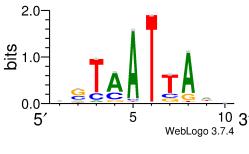
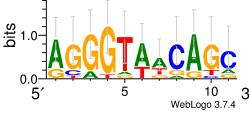
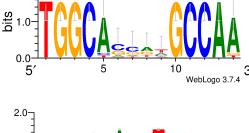
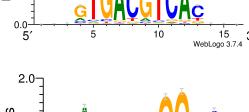
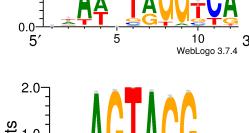
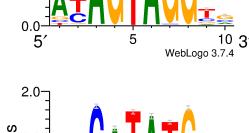
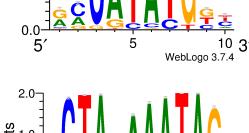
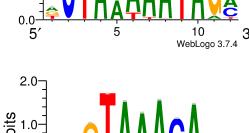
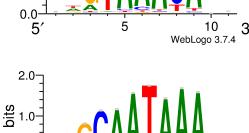
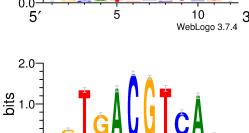
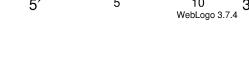
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1552.1.RARB(var.3)		5.6559e-03	1.0498e-02	34	14624	800	561219	0.22999%
MA1555.1.RXRB(var.2)		5.6569e-03	1.0498e-02	35	14623	830	561189	
MA0051.1.IRF2		5.6793e-03	1.0513e-02	45	14613	1136	560883	
MA0771.1.HSF4		5.7180e-03	1.0558e-02	32	14626	741	561278	
MA0607.1.Bhlha15		5.7645e-03	1.0618e-02	26	14632	566	561453	
MA0897.1.Hmx2		5.8146e-03	1.0684e-02	22	14636	453	561566	
MA0852.2.FOXK1		5.8456e-03	1.0715e-02	45	14613	1138	560881	
MA0642.1.EN2		5.8866e-03	1.0763e-02	26	14632	567	561452	
MA1501.1.HOXB7		6.0814e-03	1.1092e-02	23	14635	483	561536	
MA0638.1.CREB3		6.1070e-03	1.1112e-02	29	14629	656	561363	
MA0841.1.NFE2		6.2058e-03	1.1264e-02	80	14578	2268	559751	0.54999%
MA0148.4.FOXA1		6.2633e-03	1.1341e-02	51	14607	1331	560688	0.35000C
MA1132.1.JUN::JUNB		6.3756e-03	1.1516e-02	90	14568	2602	559417	

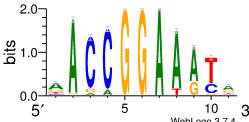
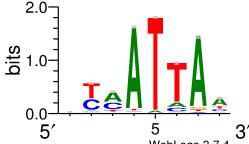
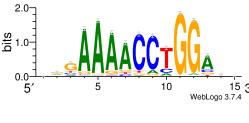
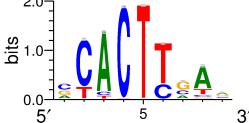
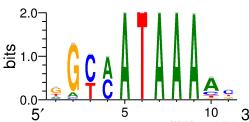
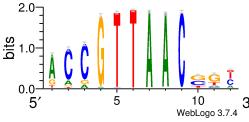
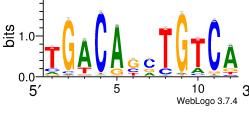
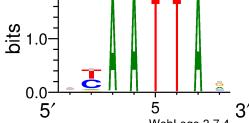
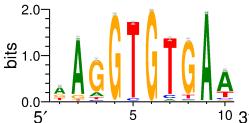
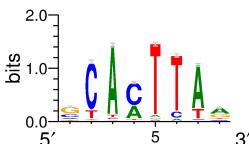
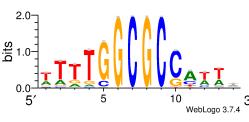
FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1110.1.NR1H4		6.4769e-03	1.1671e-02	43	14615	1083	560936	
MA0883.1.Dmbx1		6.5370e-03	1.1751e-02	22	14636	458	561561	
MA1484.1.ETS2		6.6538e-03	1.1932e-02	61	14597	1655	560364	
MA0036.3.GATA2		6.8112e-03	1.2185e-02	119	14539	3586	558433	0.809991
MA0141.3.ESRRB		6.8891e-03	1.2295e-02	52	14606	1370	560649	0.350000
MA0763.1.ETV3		6.9722e-03	1.2413e-02	49	14609	1276	560743	
MA1592.1.ZNF274		7.1751e-03	1.2744e-02	42	14616	1059	560960	
MA0686.1.SPDEF		7.7129e-03	1.3667e-02	33	14625	788	561231	0.229999
MA1476.1.DLX5		7.7662e-03	1.3729e-02	23	14635	494	561525	
MA0153.2.HNF1B		7.8448e-03	1.3835e-02	22	14636	466	561553	
MA1683.1.FOXA3		7.9124e-03	1.3921e-02	48	14610	1254	560765	
MA0836.2.CEBPD		8.0392e-03	1.4111e-02	38	14620	943	561076	
MA1550.1.PPARD		8.1588e-03	1.4287e-02	49	14609	1288	560731	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1588.1.ZNF136		9.3493e-03	1.5887e-02	31	14627	739	561280	
MA0671.1.NFIX		9.7677e-03	1.6561e-02	39	14619	987	561032	
MA0779.1.PAX1		9.8137e-03	1.6601e-02	24	14634	534	561485	
MA1153.1.Smad4		1.0000e-02	1.6866e-02	49	14609	1304	560715	
MA0490.2.JUNB		1.0016e-02	1.6866e-02	89	14569	2619	559400	
MA0070.1.PBX1		1.0049e-02	1.6883e-02	33	14625	804	561215	0.229999
MA0856.1.RXRG		1.0240e-02	1.7166e-02	48	14610	1274	560745	
MA0904.2.HOXB5		1.1516e-02	1.9263e-02	19	14639	398	561621	
MA0158.2.HOXA5		1.1815e-02	1.9719e-02	22	14636	485	561534	
MA1143.1.FOSL1::JUND(var.2)		1.1869e-02	1.9765e-02	42	14616	1095	560924	
MA0722.1.VAX1		1.1964e-02	1.9834e-02	24	14634	544	561475	
MA0723.1.VAX2		1.1964e-02	1.9834e-02	24	14634	544	561475	

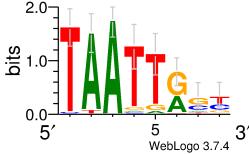
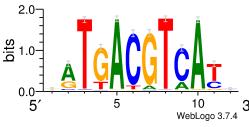
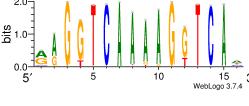
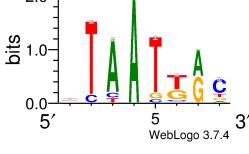
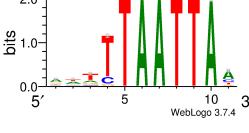
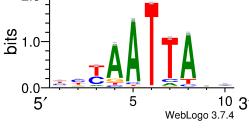
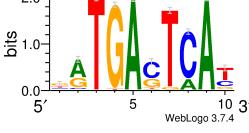
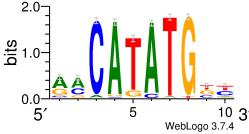
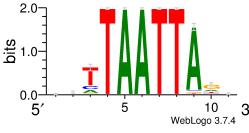
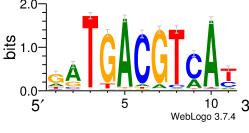
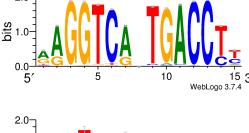
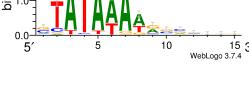
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0817.1.BHLHE23		1.2059e-02	1.9948e-02	19	14639	400	561619	
MA0731.1.BCL6B		1.2404e-02	2.0472e-02	31	14627	756	561263	
MA1487.1.FOXE1		1.2488e-02	2.0566e-02	48	14610	1290	560729	
MA0882.1.DLX6		1.2525e-02	2.0580e-02	23	14635	517	561502	
MA0708.1.MSX2		1.2852e-02	2.1026e-02	27	14631	637	561382	
MA0709.1.Msx3		1.2852e-02	2.1026e-02	27	14631	637	561382	
MA0738.1.HIC2		1.3161e-02	2.1483e-02	51	14607	1391	560628	0.35000C
MA0898.1.Hmx3		1.3376e-02	2.1787e-02	21	14637	462	561557	0.13999C
MA0488.1.JUN		1.3416e-02	2.1804e-02	69	14589	1983	560036	0.47000C
MA1520.1.MAF		1.3599e-02	2.2054e-02	38	14620	979	561040	
MA1145.1.FOSL2::JUND(var.2)		1.3717e-02	2.2198e-02	36	14622	917	561102	
MA0602.1.Arid5a		1.3944e-02	2.2515e-02	21	14637	464	561555	0.13999C
MA0056.2.MZF1		1.4269e-02	2.2976e-02	51	14607	1398	560621	0.35000C

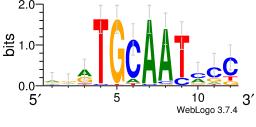
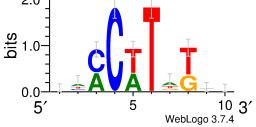
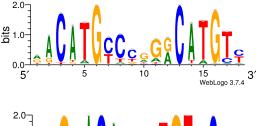
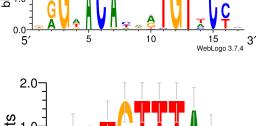
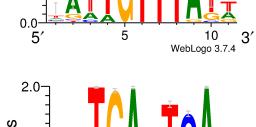
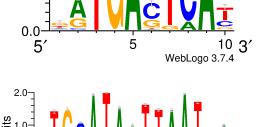
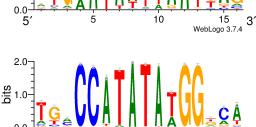
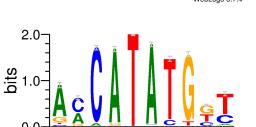
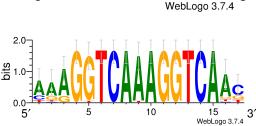
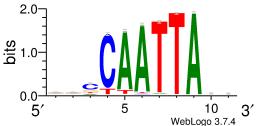
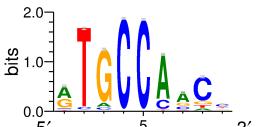
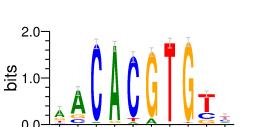
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0857.1.Rarb		1.4291e-02	2.2976e-02	47	14611	1269	560750	
MA0691.1.TFAP4		1.4754e-02	2.3671e-02	61	14597	1728	560291	
MA1468.1.ATOH7		1.4797e-02	2.3688e-02	41	14617	1080	560939	0.279999
MA1530.1.NKX6-3		1.5043e-02	2.4030e-02	34	14624	861	561158	0.229999
MA0612.2.EMX1		1.5746e-02	2.5100e-02	17	14641	355	561664	
MA0502.2.NFYB		1.6964e-02	2.6929e-02	104	14554	3195	558824	0.710001
MA0729.1.RARA		1.6982e-02	2.6929e-02	39	14619	1027	560992	
MA1542.1.OSR1		1.7060e-02	2.6929e-02	37	14621	964	561055	
MA0075.3.PRRX2		1.7074e-02	2.6929e-02	25	14633	593	561426	0.169999
MA0701.2.LHX9		1.7074e-02	2.6929e-02	25	14633	593	561426	0.169999
MA0879.1.Dlx1		1.7252e-02	2.7140e-02	22	14636	504	561515	

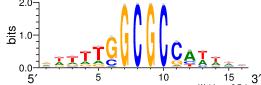
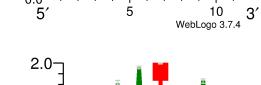
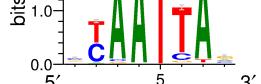
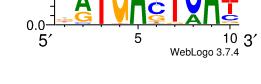
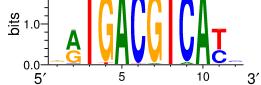
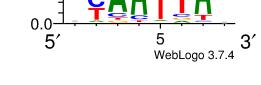
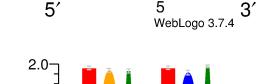
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1495.1.HOXA1		1.7281e-02	2.7140e-02	17	14641	359	561660	
MA0706.1.MEOX2		1.7394e-02	2.7260e-02	24	14634	564	561455	
MA0111.1.Spz1		1.7786e-02	2.7816e-02	50	14608	1385	560634	0.339999
MA0119.1.NFIC::TLX1		1.7976e-02	2.8055e-02	53	14605	1484	560535	
MA0609.2.CREM		1.8569e-02	2.8920e-02	29	14629	720	561299	
MA1151.1.RORC		1.9031e-02	2.9578e-02	33	14625	846	561173	0.229999
MA1585.1.ZKSCAN1		1.9353e-02	3.0015e-02	45	14613	1230	560789	
MA0668.1.NEUROD2		1.9577e-02	3.0215e-02	21	14637	481	561538	0.139999
MA0773.1.MEF2D		1.9582e-02	3.0215e-02	39	14619	1038	560981	
MA0481.3.FOXP1		1.9603e-02	3.0215e-02	47	14611	1296	560723	
MA0465.2.CDX2		2.0084e-02	3.0893e-02	40	14618	1072	560947	
MA1475.1.CREB3L4(var.2)		2.0377e-02	3.1278e-02	29	14629	726	561293	

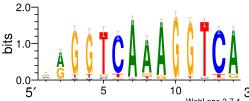
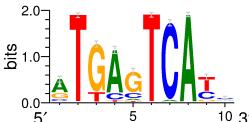
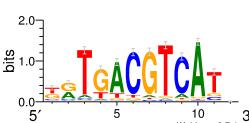
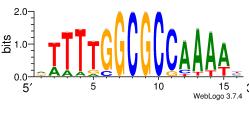
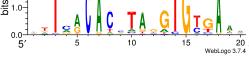
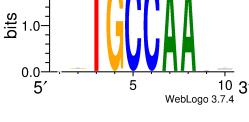
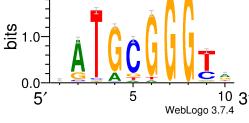
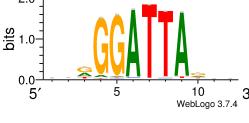
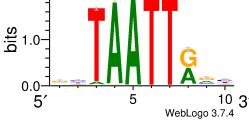
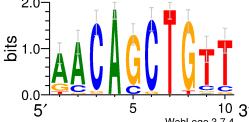
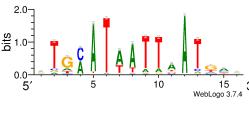
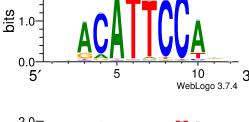
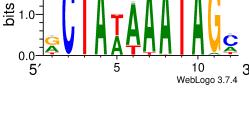
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0762.1.ETV2		2.0428e-02	3.1292e-02	56	14602	1595	560424	
MA0675.1.NKX6-2		2.0471e-02	3.1293e-02	26	14632	634	561385	
MA1616.1.Prdm15		2.1839e-02	3.3316e-02	46	14612	1273	560746	
MA0673.1.NKX2-8		2.2122e-02	3.3553e-02	50	14608	1405	560614	0.339999
MA1473.1.CDX4		2.2127e-02	3.3553e-02	35	14623	920	561099	
MA0776.1.MYBL1		2.2129e-02	3.3553e-02	10	14648	177	561842	0.069999
MA1572.1.TGIF2LY		2.2179e-02	3.3560e-02	31	14627	794	561225	
MA1577.1.TLX2		2.2341e-02	3.3738e-02	23	14635	548	561471	
MA0690.1.TBX21		2.2841e-02	3.4423e-02	46	14612	1277	560742	
MA0914.1.ISL2		2.3009e-02	3.4591e-02	32	14626	828	561191	
MA0470.2.E2F4		2.3045e-02	3.4591e-02	18	14640	401	561618	

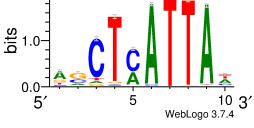
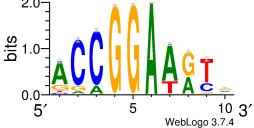
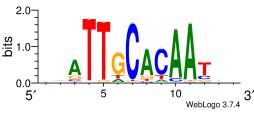
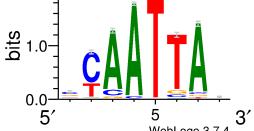
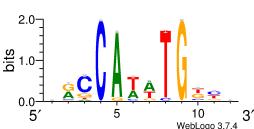
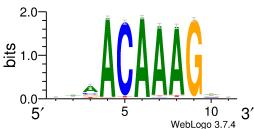
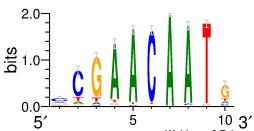
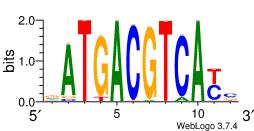
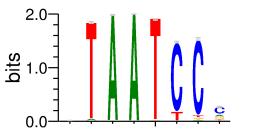
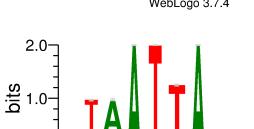
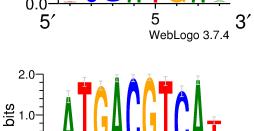
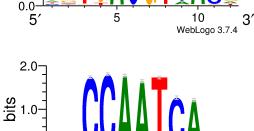
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0702.2.LMX1A		2.6264e-02	3.8418e-02	19	14639	437	561582	
MA0688.1.TBX2		2.6727e-02	3.9019e-02	41	14617	1128	560891	0.279999
MA1142.1.FOSL1::JUND		2.7038e-02	3.9395e-02	98	14560	3054	558965	
MA0781.1.PAX9		2.7188e-02	3.9455e-02	22	14636	529	561490	
MA0629.1.RhoX11		2.7290e-02	3.9455e-02	19	14639	439	561580	
MA0725.1.VSX1		2.7290e-02	3.9455e-02	19	14639	439	561580	
MA0726.1.VSX2		2.7290e-02	3.9455e-02	19	14639	439	561580	
MA1568.1.TCF21(var.2)		2.7508e-02	3.9692e-02	32	14626	841	561178	
MA1580.1.ZBTB32		2.7971e-02	4.0282e-02	34	14624	906	561113	0.229999
MA0876.1.BSX		2.8128e-02	4.0431e-02	26	14632	654	561365	
MA0899.1.HOXA10		2.8700e-02	4.1174e-02	34	14624	908	561111	0.229999
MA0827.1.OLIG3		2.8970e-02	4.1472e-02	24	14634	594	561425	

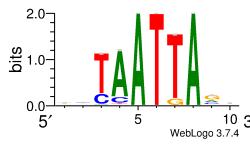
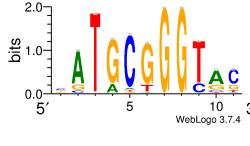
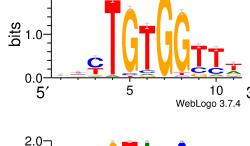
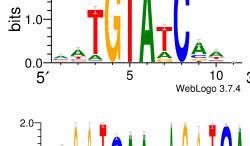
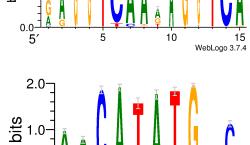
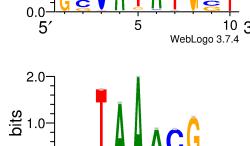
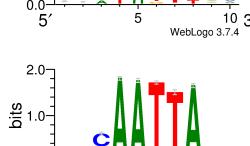
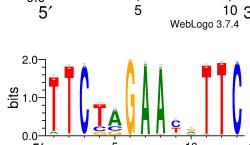
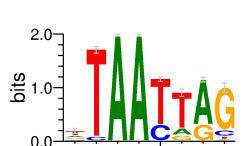
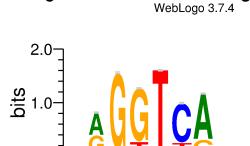
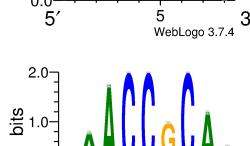
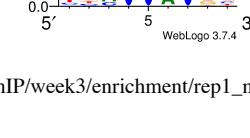
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0125.1.Nobox		2.9019e-02	4.1472e-02	25	14633	625	561394	0.16999%
MA1139.1.FOSL2::JUNB(var.2)		2.9204e-02	4.1656e-02	30	14628	782	561237	
MA0859.1.Rarg		2.9832e-02	4.2471e-02	43	14615	1203	560816	
MA1500.1.HOXB6		2.9936e-02	4.2530e-02	25	14633	627	561392	0.16999%
MA0703.2.LMX1B		2.9987e-02	4.2530e-02	19	14639	444	561575	
MA0634.1.ALX3		3.0796e-02	4.3594e-02	23	14635	567	561452	
MA1135.1.FOSB::JUNB		3.0890e-02	4.3643e-02	100	14558	3143	558876	0.67999%
MA0461.2.Atoh1		3.1001e-02	4.3718e-02	32	14626	850	561169	
MA0621.1.mix-a		3.1120e-02	4.3803e-02	19	14639	446	561573	
MA1127.1.FOSB::JUN		3.1350e-02	4.4044e-02	41	14617	1142	560877	0.27999%
MA1539.1.NR2F6(var.3)		3.1589e-02	4.4246e-02	27	14631	693	561326	
MA0108.2.TBP		3.1612e-02	4.4246e-02	20	14638	477	561542	0.13999%

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0019.1.Ddit3::Cebpa		3.1766e-02	4.4377e-02	34	14624	916	561103	0.229999
MA0109.1.HLTF		3.3048e-02	4.6082e-02	40	14618	1114	560905	
MA0106.3.TP53		3.3639e-02	4.6819e-02	21	14637	511	561508	0.139999
MA0727.1.NR3C2		3.3751e-02	4.6887e-02	16	14642	361	561658	
MA0040.1.Foxq1		3.4065e-02	4.7235e-02	39	14619	1084	560935	
MA1144.1.FOSL2::JUND		3.4231e-02	4.7377e-02	98	14560	3089	558930	
MA0683.1.POU4F2		3.4633e-02	4.7844e-02	28	14630	731	561288	
MA0083.3.SRF		3.4949e-02	4.8192e-02	22	14636	544	561475	
MA0678.1.OLIG2		3.5114e-02	4.8331e-02	20	14638	483	561536	0.139999
MA0115.1.NR1H2::RXRA		3.5350e-02	4.8566e-02	35	14623	957	561062	
MA0700.2.LHX2		3.5906e-02	4.9239e-02	25	14633	639	561380	0.169999
MA0739.1.Hic1		3.5993e-02	4.9268e-02	47	14611	1353	560666	
MA0819.1.CLOCK		3.7478e-02	5.1206e-02	27	14631	705	561314	

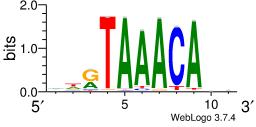
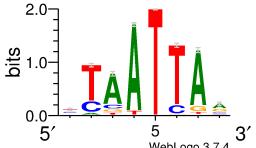
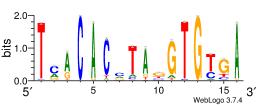
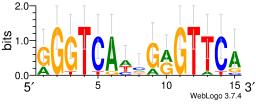
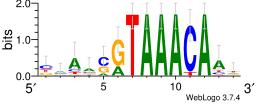
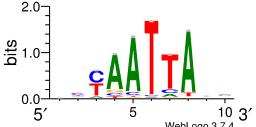
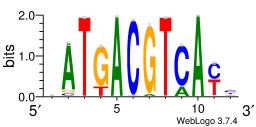
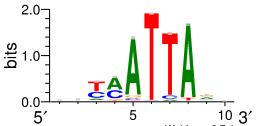
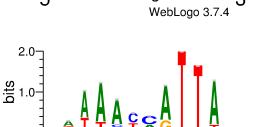
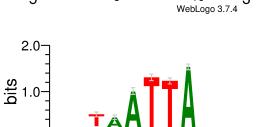
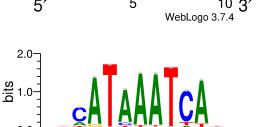
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0864.2.E2F2		3.8060e-02	5.1906e-02	16	14642	367	561652	
MA0467.1.Crx		3.8412e-02	5.2291e-02	45	14613	1293	560726	
MA0027.2.EN1		3.9022e-02	5.3025e-02	23	14635	582	561437	
MA1541.1.NR6A1		3.9109e-02	5.3046e-02	34	14624	933	561086	0.229999
MA1138.1.FOSL2::JUNB		3.9200e-02	5.3073e-02	97	14561	3075	558944	
MA0605.2.ATF3		3.9695e-02	5.3646e-02	30	14628	805	561214	
MA0880.1.Dlx3		4.0337e-02	5.4317e-02	21	14637	522	561497	0.139999
MA0881.1.Dlx4		4.0337e-02	5.4317e-02	21	14637	522	561497	0.139999
MA0655.1.JDP2		4.0442e-02	5.4360e-02	80	14578	2489	559530	0.549999
MA1608.1.Isl1		4.1272e-02	5.5375e-02	27	14631	712	561307	
MA1519.1.LHX5		4.1749e-02	5.5916e-02	15	14643	342	561677	
MA1644.1.NFYC		4.2788e-02	5.7204e-02	93	14565	2949	559070	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0677.1.Nr2f6		4.3295e-02	5.7779e-02	49	14609	1439	560580	
MA0099.3.FOS::JUN		4.3661e-02	5.8163e-02	99	14559	3162	558857	0.679991
MA1133.1.JUN::JUNB(var.2)		4.3827e-02	5.8279e-02	37	14621	1041	560978	
MA0469.3.E2F3		4.4116e-02	5.8464e-02	7	14651	120	561899	
MA0804.1.TBX19		4.4122e-02	5.8464e-02	12	14646	257	561762	
MA0670.1.NFIA		4.4246e-02	5.8488e-02	36	14622	1009	561010	
MA0767.1.GCM2		4.4297e-02	5.8488e-02	31	14627	846	561173	
MA0712.2.OTX2		4.4842e-02	5.9103e-02	31	14627	847	561172	
MA0894.1.HESX1		4.5112e-02	5.9354e-02	20	14638	498	561521	0.139999
MA0665.1.MSC		4.5350e-02	5.9561e-02	53	14605	1579	560440	
MA0791.1.POU4F3		4.5896e-02	6.0068e-02	28	14630	752	561267	
MA0809.2.TEAD4		4.5897e-02	6.0068e-02	50	14608	1479	560540	0.339999
MA0660.1.MEF2B		4.6219e-02	6.0384e-02	32	14626	882	561137	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0793.1.POU6F2		4.6363e-02	6.0466e-02	29	14629	785	561234	
MA0098.3.ETS1		4.6996e-02	6.1185e-02	58	14600	1753	560266	
MA0102.4.CEBPA		4.7887e-02	6.2236e-02	32	14626	885	561134	
MA0666.1.MSX1		4.8302e-02	6.2666e-02	24	14634	628	561391	
MA1524.1.MSGN1		4.8796e-02	6.3198e-02	31	14627	854	561165	
MA0442.2.SOX10		4.9647e-02	6.4188e-02	72	14586	2241	559778	
MA1562.1.SOX14		4.9889e-02	6.4389e-02	22	14636	567	561452	
MA0656.1.JDP2(var.2)		5.2137e-02	6.7175e-02	34	14624	958	561061	0.229999
MA1547.1.PITX2		5.3408e-02	6.8694e-02	45	14613	1327	560692	
MA0902.2.HOXB2		5.3647e-02	6.8882e-02	20	14638	509	561510	0.139999
MA1140.2.JUNB(var.2)		5.5341e-02	7.0894e-02	30	14628	832	561187	
MA0060.3.NFYA		5.5404e-02	7.0894e-02	91	14567	2920	559099	

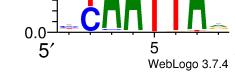
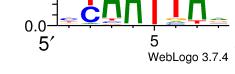
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MA0886.1.EMX2		5.5883e-02	7.1385e-02	14	14644	327	561692	
MA0646.1.GCM1		5.9350e-02	7.5684e-02	30	14628	838	561181	
MA0002.2.RUNX1		6.0246e-02	7.6696e-02	102	14556	3322	558697	0.700000
MA0610.1.DMRT3		6.0965e-02	7.7479e-02	22	14636	581	561438	
MA0728.1.Nr2f6(var.2)		6.2183e-02	7.8892e-02	43	14615	1276	560743	
MA0669.1.NEUROG2		6.2340e-02	7.8957e-02	38	14620	1108	560911	
MA0635.1.BARHL2		6.2603e-02	7.9156e-02	14	14644	333	561686	
MA0718.1.RAX		6.3261e-02	7.9853e-02	20	14638	520	561499	0.139999
MA0486.2.HSF1		6.6311e-02	8.3561e-02	25	14633	684	561335	0.169999
MA0618.1.LBX1		6.8002e-02	8.5547e-02	20	14638	525	561494	0.139999
MA1536.1.NR2C2(var.2)		6.9069e-02	8.6744e-02	69	14589	2184	559835	0.470000
MA0511.2.RUNX2		6.9292e-02	8.6877e-02	45	14613	1356	560663	

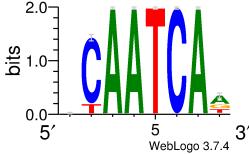
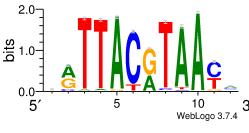
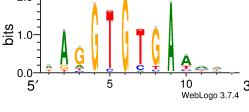
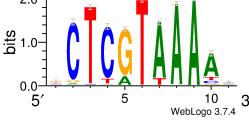
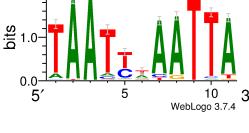
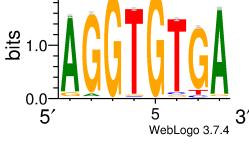
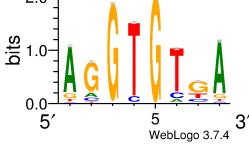
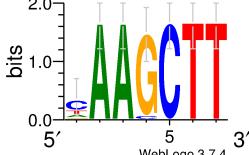
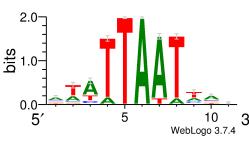
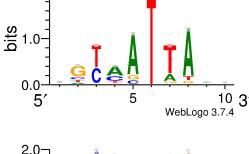
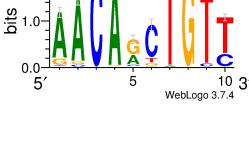
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MA0512.2.Rxra		7.0516e-02	8.8264e-02	42	14616	1256	560763	
MA0853.1.Alx4		7.1124e-02	8.8875e-02	10	14648	220	561799	0.0699999
MA1505.1.HOXC8		7.1793e-02	8.9561e-02	13	14645	310	561709	
MA1111.1.NR2F2		7.1936e-02	8.9590e-02	59	14599	1842	560177	
MA0468.1.DUX4		7.2215e-02	8.9788e-02	39	14619	1157	560862	
MA0805.1.TBX1		7.2374e-02	8.9835e-02	52	14606	1601	560418	0.350000
MA0888.1.EVX2		7.3946e-02	9.1634e-02	19	14639	499	561520	
MA0875.1.BARX1		7.4234e-02	9.1838e-02	23	14635	628	561391	
MA1463.1.ARGSX		7.4797e-02	9.2381e-02	18	14640	468	561551	
MA0143.4.SOX2		7.5168e-02	9.2551e-02	36	14622	1060	560959	
MA0707.1.MNX1		7.5182e-02	9.2551e-02	23	14635	629	561390	
MA0523.1.TCF7L2		7.5978e-02	9.3377e-02	46	14612	1401	560618	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1606.1.Foxf1		7.6982e-02	9.4455e-02	43	14615	1300	560719	
MA0704.1.Lhx4		7.7235e-02	9.4609e-02	16	14642	407	561612	
MA0009.2.TBXT		7.8859e-02	9.6441e-02	15	14643	377	561642	
MA0074.1.RXRA::VDR		8.0046e-02	9.7732e-02	23	14635	634	561385	
MA0030.1.FOXF2		8.0469e-02	9.8088e-02	31	14627	899	561120	
MA0644.1.ESX1		8.4778e-02	1.0317e-01	20	14638	541	561478	0.139999
MA0840.1.Creb5		8.5150e-02	1.0346e-01	27	14631	771	561248	
MA0903.1.HOXB3		8.9324e-02	1.0835e-01	23	14635	643	561376	
MA0037.3.GATA3		8.9719e-02	1.0865e-01	90	14568	2968	559051	
MA1471.1.BARX2		8.9929e-02	1.0873e-01	27	14631	776	561243	
MA0892.1.GSX1		9.0216e-02	1.0890e-01	22	14636	611	561408	
MA1113.2.PBX2		9.1304e-02	1.1004e-01	33	14625	979	561040	0.229999

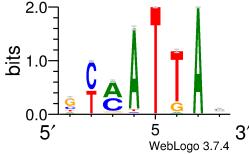
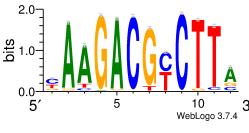
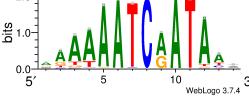
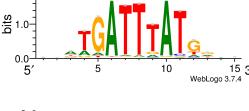
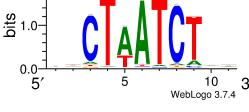
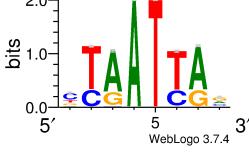
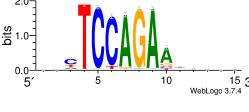
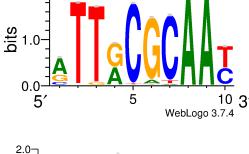
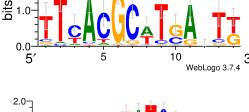
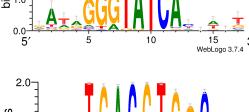
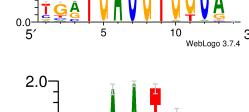
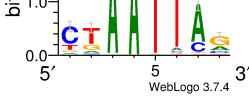
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0844.1.XBP1		9.3507e-02	1.1251e-01	19	14639	516	561503	
MA0693.2.VDR		9.3774e-02	1.1265e-01	38	14620	1152	560867	
MA0818.1.BHLHE22		9.4207e-02	1.1299e-01	16	14642	420	561599	
MA0650.2.HOXA13		9.4895e-02	1.1363e-01	34	14624	1017	561002	0.229999
MA0072.1.RORA(var.2)		9.5406e-02	1.1406e-01	28	14630	815	561204	
MA0515.1.Sox6		9.6067e-02	1.1451e-01	65	14593	2094	559925	
MA0161.2.NFIC		9.6089e-02	1.1451e-01	50	14608	1569	560450	0.339999
MA1545.1.OVOL2		9.6719e-02	1.1508e-01	7	14651	146	561873	
MA0801.1.MGA		9.8627e-02	1.1716e-01	55	14603	1747	560272	
MA1136.1.FOSB::JUNB(var.2)		1.0002e-01	1.1862e-01	30	14628	887	561132	
MA0613.1.FOXG1		1.0114e-01	1.1976e-01	50	14608	1576	560443	0.339999
MA1549.1.POU6F1(var.2)		1.0299e-01	1.2175e-01	30	14628	890	561129	

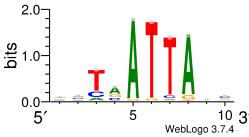
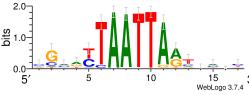
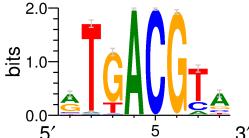
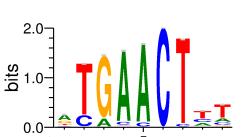
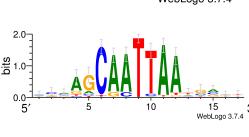
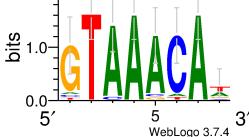
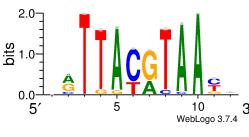
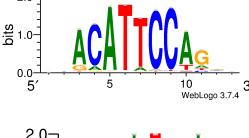
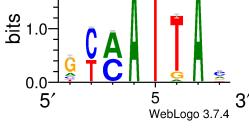
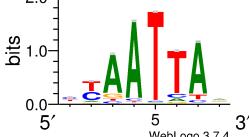
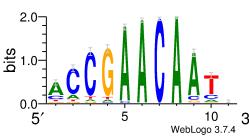
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1470.1.BACH2(var.2)		1.0579e-01	1.2487e-01	14	14644	364	561655	
MA0699.1.LBX2		1.1020e-01	1.2987e-01	18	14640	496	561523	
MA0790.1.POU4F1		1.1322e-01	1.3322e-01	28	14630	832	561187	
MA0834.1.ATF7		1.1426e-01	1.3423e-01	24	14634	698	561321	
MA0777.1.MYBL2		1.1504e-01	1.3493e-01	7	14651	153	561866	
MA0891.1.GSC2		1.1548e-01	1.3524e-01	24	14634	699	561320	
MA1494.1.HNF4A(var.2)		1.1896e-01	1.3910e-01	33	14625	1008	561011	0.229999
MA1126.1.FOS::JUN(var.2)		1.1977e-01	1.3983e-01	30	14628	906	561113	
MA0594.2.HOXA9		1.2058e-01	1.4055e-01	7	14651	155	561864	
MA0802.1.TBR1		1.2435e-01	1.4472e-01	38	14620	1186	560833	
MA1121.1.TEAD2		1.2886e-01	1.4974e-01	42	14616	1330	560689	
MA0869.1.Sox11		1.3219e-01	1.5336e-01	25	14633	746	561273	0.169999
MA0007.3.Ar		1.3639e-01	1.5722e-01	16	14642	447	561572	

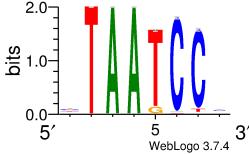
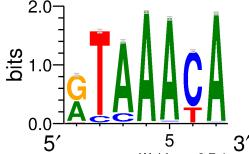
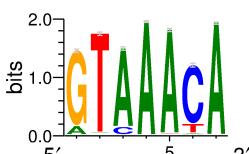
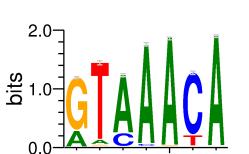
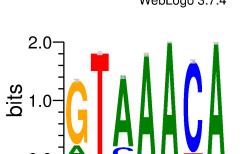
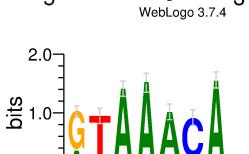
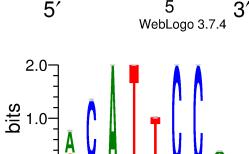
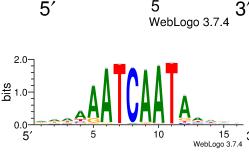
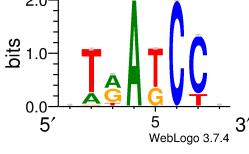
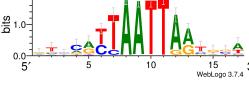
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0630.1.SHOX		1.3699e-01	1.5722e-01	19	14639	547	561472	
MA0654.1.ISX		1.3699e-01	1.5722e-01	19	14639	547	561472	
MA0716.1.PRRX1		1.3699e-01	1.5722e-01	19	14639	547	561472	
MA0717.1.RAX2		1.3699e-01	1.5722e-01	19	14639	547	561472	
MA0720.1.Shox2		1.3699e-01	1.5722e-01	19	14639	547	561472	
MA0890.1.GBX2		1.3699e-01	1.5722e-01	19	14639	547	561472	
MA0113.3.NR3C1		1.3747e-01	1.5753e-01	14	14644	382	561637	
MA0885.1.Dlx2		1.3856e-01	1.5839e-01	19	14639	548	561471	
MA1146.1.NR1H4::RXRA		1.3864e-01	1.5839e-01	22	14636	649	561370	
MA0839.1.CREB3L1		1.4013e-01	1.5984e-01	25	14633	752	561267	0.169999
MA0713.1.PHOX2A		1.4166e-01	1.6134e-01	23	14635	685	561334	

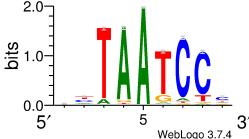
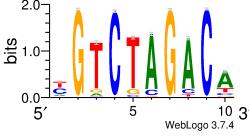
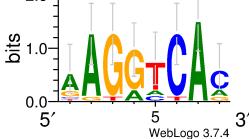
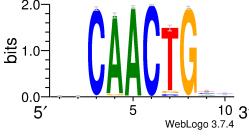
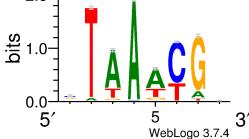
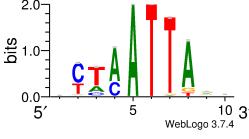
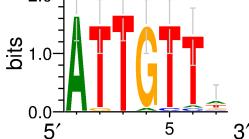
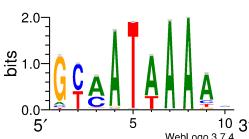
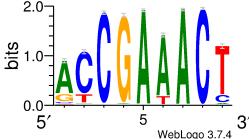
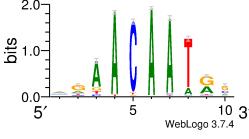
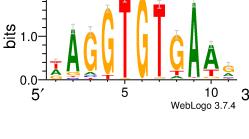
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0611.1.Dux		1.4343e-01	1.6311e-01	67	14591	2233	559786	0.459999
MA0843.1.TEF		1.4452e-01	1.6408e-01	13	14645	353	561666	
MA0800.1.EOMES		1.4474e-01	1.6408e-01	31	14627	962	561057	
MA0907.1.HOXC13		1.4494e-01	1.6408e-01	19	14639	552	561467	
MA0715.1.PROP1		1.4724e-01	1.6610e-01	24	14634	723	561296	
MA0803.1.TBX15		1.4739e-01	1.6610e-01	49	14609	1596	560423	
MA0806.1.TBX4		1.4739e-01	1.6610e-01	49	14609	1596	560423	
MA0164.1.Nr2e3		1.5047e-01	1.6931e-01	37	14621	1176	560843	
MA0601.1.Arid3b		1.5184e-01	1.7059e-01	20	14638	590	561429	0.139999
MA1497.1.HOXA6		1.5357e-01	1.7228e-01	17	14641	490	561529	
MA0667.1.MYF6		1.5392e-01	1.7241e-01	36	14622	1144	560875	

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0724.1.VENTX		1.5536e-01	1.7377e-01	17	14641	491	561528	
MA0647.1.GRHL1		1.6131e-01	1.8014e-01	13	14645	361	561658	
MA0684.2.RUNX3		1.6533e-01	1.8436e-01	50	14608	1650	560369	0.339999
MA0024.3.E2F1		1.6745e-01	1.8644e-01	14	14644	397	561622	
MA0648.1.GSC		1.7017e-01	1.8919e-01	23	14635	704	561315	
MA1544.1.OVOL1		1.7275e-01	1.9178e-01	6	14652	141	561878	
MA0091.1.TAL1::TCF3		1.7352e-01	1.9234e-01	44	14614	1444	560575	
MA0662.1.MIXL1		1.8158e-01	2.0098e-01	17	14641	505	561514	
MA0157.2.FOXO3		1.8307e-01	2.0232e-01	40	14618	1310	560709	
MA0077.1.SOX9		1.8962e-01	2.0923e-01	30	14628	961	561058	
MA1103.2.FOXP2		1.8988e-01	2.0923e-01	39	14619	1280	560739	
MA1129.1.FOSL1::JUN(var.2)		1.9180e-01	2.1104e-01	26	14632	822	561197	

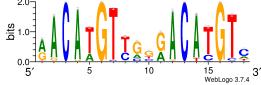
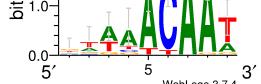
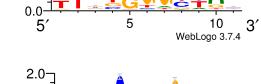
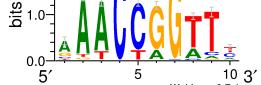
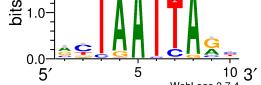
FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA1498.1.HOXA7		1.9433e-01	2.1351e-01	22	14636	684	561335	
MA0794.1.PROX1		1.9548e-01	2.1445e-01	17	14641	512	561507	
MA0757.1.ONECUT3		1.9974e-01	2.1881e-01	19	14639	583	561436	
MA1640.1.MEIS2(var.2)		2.0478e-01	2.2400e-01	25	14633	795	561224	0.169999
MA0035.4.GATA1		2.0683e-01	2.2591e-01	66	14592	2269	559750	0.449999
MA0705.1.Lhx8		2.1686e-01	2.3652e-01	18	14640	557	561462	
MA1579.1.ZBTB26		2.1818e-01	2.3750e-01	51	14607	1735	560284	0.350000
MA0838.1.CEBPG		2.1840e-01	2.3750e-01	15	14643	454	561565	
MA0069.1.PAX6		2.1958e-01	2.3827e-01	16	14642	489	561530	
MA0631.1.Six3		2.1975e-01	2.3827e-01	12	14646	352	561667	
MA1466.1.ATF6		2.2488e-01	2.4349e-01	22	14636	701	561318	
MA0068.2.PAX4		2.2625e-01	2.4461e-01	8	14650	220	561799	

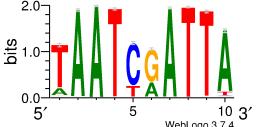
FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0887.1.EVX1		2.2849e-01	2.4668e-01	16	14642	493	561526	
MA0854.1.Alx1		2.3188e-01	2.4998e-01	9	14649	255	561764	
MA0604.1.Atf1		2.3237e-01	2.5014e-01	22	14636	705	561314	
MA1534.1.NR1I3		2.4254e-01	2.6071e-01	28	14630	924	561095	
MA0896.1.Hmx1		2.4520e-01	2.6320e-01	13	14645	396	561623	
MA0031.1.FOXD1		2.7734e-01	2.9686e-01	27	14631	908	561111	
MA0639.1.DBP		2.7736e-01	2.9686e-01	12	14646	373	561646	
MA0090.3.TEAD1		3.0151e-01	3.2225e-01	39	14619	1360	560659	
MA0910.2.HOXD8		3.0456e-01	3.2504e-01	21	14637	705	561314	0.139999
MA0721.1.UNCX		3.0633e-01	3.2646e-01	12	14646	383	561636	
MA1561.1.SOX12		3.1707e-01	3.3709e-01	17	14641	566	561453	

FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0682.2.PITX1		3.1721e-01	3.3709e-01	24	14634	820	561199	
MA0033.2.FOXL1		3.2195e-01	3.3971e-01	27	14631	932	561087	
MA0042.2.FOXI1		3.2195e-01	3.3971e-01	27	14631	932	561087	
MA0848.1.FOXO4		3.2195e-01	3.3971e-01	27	14631	932	561087	
MA0849.1.FOXO6		3.2195e-01	3.3971e-01	27	14631	932	561087	
MA0850.1.FOXP3		3.2195e-01	3.3971e-01	27	14631	932	561087	
MA0808.1.TEAD3		3.3082e-01	3.4857e-01	36	14622	1268	560751	
MA0679.2.ONECUT1		3.3257e-01	3.4993e-01	19	14639	645	561374	
MA0719.1.RHOXF1		3.3815e-01	3.5530e-01	22	14636	757	561262	
MA0874.1.ArX		3.3864e-01	3.5531e-01	8	14650	251	561768	

FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0714.1.PITX3		3.5331e-01	3.7018e-01	22	14636	764	561255	
MA1557.1.SMAD5		3.6156e-01	3.7829e-01	10	14648	329	561690	0.0699999
MA0160.1.NR4A2		3.6424e-01	3.8056e-01	54	14604	1960	560059	
MA0100.3.MYB		3.7610e-01	3.9240e-01	44	14614	1594	560425	
MA0877.2.BARHL1		3.8106e-01	3.9703e-01	7	14651	226	561793	
MA0710.1.NOTO		3.9457e-01	4.1052e-01	14	14644	486	561533	
MA0087.1.Sox5		4.0173e-01	4.1739e-01	34	14624	1235	560784	0.2299999
MA0913.2.HOXD9		4.0381e-01	4.1897e-01	25	14633	899	561120	0.1699999
MA1509.1.IRF6		4.1910e-01	4.3424e-01	10	14648	346	561673	0.0699999
MA0868.2.SOX8		4.2561e-01	4.4036e-01	29	14629	1060	560959	
MA0689.1.TBX20		4.3410e-01	4.4853e-01	35	14623	1291	560728	

FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0025.2.NFIL3		4.5182e-01	4.6620e-01	25	14633	922	561097	0.169999
MA0862.1.GMEB2		4.6894e-01	4.8319e-01	5	14653	172	561847	
MA0614.1.Foxj2		4.8947e-01	5.0365e-01	33	14625	1246	560773	0.229999
MA0837.1.CEBPE		4.9406e-01	5.0767e-01	13	14645	483	561536	
MA1489.1.FOXN3		5.0971e-01	5.2283e-01	8	14650	296	561723	
MA1502.1.HOXB8		5.1022e-01	5.2283e-01	16	14642	604	561415	
MA0795.1.SMAD3		5.1714e-01	5.2920e-01	13	14645	491	561528	
MA0466.2.CEBPB		5.2287e-01	5.3433e-01	13	14645	493	561526	
MA0754.1.CUX1		5.3955e-01	5.5062e-01	6	14652	226	561793	
MA0711.1.OTX1		5.5918e-01	5.6988e-01	14	14644	545	561474	
MA0043.3.HLF		5.6295e-01	5.7293e-01	21	14637	820	561199	0.139999

FACTOR	MOTIF	P-VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0525.2.TP63		5.9867e-01	6.0828e-01	9	14649	361	561658	
MA0628.1.POU6F1		5.9931e-01	6.0828e-01	7	14651	281	561738	
MA0084.1.SRY		6.0632e-01	6.1456e-01	31	14627	1234	560785	
MA1546.1.PAX3(var.2)		6.1561e-01	6.2312e-01	8	14650	326	561693	
MA1150.1.RORB		6.5202e-01	6.5909e-01	27	14631	1102	560917	
MA0145.3.TFCP2		6.8195e-01	6.8841e-01	8	14650	347	561672	
MA0755.1.CUX2		6.8630e-01	6.9186e-01	5	14653	222	561797	
MA0658.1.LHX6		7.2741e-01	7.3232e-01	8	14650	363	561656	
MA0135.1.Lhx3		7.4213e-01	7.4613e-01	14	14644	622	561397	
MA0749.1.ZBED1		8.5155e-01	8.5499e-01	2	14656	130	561889	
MA0780.1.PAX3		9.1076e-01	9.1321e-01	4	14654	264	561755	
MA1480.1.DPRX		9.3890e-01	9.4016e-01	13	14645	730	561289	

FACTOR	MOTIF	P- VALUE	CORRECTED P-VALUE	A	B	C	D	FRE
MA0680.1.PAX7	 A WebLogo motif logo for the factor MA0680.1.PAX7. The logo is 10 positions wide and 2 bits high. The sequence is TCGA, with T at position 1, C at 2, G at 3, and A at 4. Other positions show lower information content (around 1 bit). The y-axis is labeled "bits" and ranges from 0.0 to 2.0. The x-axis is labeled "WebLogo 3.7.4" and shows positions 5' to 3'.	9.8263e-01	9.8263e-01	3	14655	297	561722	

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