

## ;TFM Explorer

;Date : Wed May 13 06:37:55 2020  
 ;Scanned location : -2129:0  
 ;Scanned sequences : None (31 sequences)  
 ;Scanned matrices : (130 matrices)  
 ;Parameters : minsize= 30, maxsize= 1500, ratio=3.0, top=25

;

## ; headers

; 1	rank	window rank
; 2	matrix	matrix name
; 3	tf	transcription factor name
; 4	info	information of content of the matrix
; 5	gc	gc content of the matrix (G+C)%
; 6	location	location of the window (relatively to TSS)
; 7	pvalue	pvalue of the window

1 MA0442.1 SOX10 7.96992529398 0.386363640428 -1548:-1456  
 1.14805732134e-05

## list of hits

SUV39H2	-1542	-1536	-	6.89	ACAAAG
HSPA14	-1531	-1525	+	6.67	CATTGT
CDNF	-1456	-1450	-	6.89	ACAAAG
FAM107B	-1548	-1542	+	6.67	CATTGT
FAM107B	-1526	-1520	-	6.67	ACAATG
NSUN6	-1546	-1540	+	6.67	CATTGT
NSUN6	-1460	-1454	+	6.89	CTTTGT
DMRT2	-1460	-1454	+	6.89	CTTTGT
GCNT1	-1501	-1495	-	6.89	ACAAAG
CEP78	-1548	-1542	+	6.89	CTTTGT
LOC100146966	-1527	-1521	+	6.89	CTTTGT
MTERF4	-1491	-1485	-	6.89	ACAAAG
TRPV6	-1488	-1482	+	6.89	CTTTGT
LOC100054240	-1505	-1499	-	6.89	ACAAAG
LOC100054240	-1463	-1457	-	6.89	ACAAAG

2 MA0003.1 TFAP2A 7.8120920509 0.800000024164 -1341:-1078  
 1.8763783038e-05

## list of hits

CDNF	-1341	-1332	-	6.52	CCTCCCGGC
CDNF	-1305	-1296	-	6.52	CCTCCCGGC
CDNF	-1269	-1260	-	6.52	CCTCCCGGC
CDNF	-1233	-1224	-	6.52	CCTCCAGGC
CDNF	-1197	-1188	-	6.52	CCTCCCGGC
CDNF	-1161	-1152	-	6.52	CCTCCCGGC
CDNF	-1125	-1116	-	6.52	CCTCCCGGC
CDNF	-1089	-1080	-	6.52	CCTCCCGGC
GCNT1	-1156	-1147	+	6.70	GCCCTGAGC
GCNT1	-1107	-1098	+	6.70	GCCCTGAGC
PSAT1	-1130	-1121	+	6.14	GCCCTGCGC
PSAT1	-1101	-1092	-	7.49	CCCCGGGC
CEP78	-1279	-1270	-	6.61	GCCTAAGGC
LOC100057893	-1295	-1286	+	6.32	GCCAGGGGC
HDLBP	-1336	-1327	+	6.19	GCCCGACGG
HDLBP	-1271	-1262	+	7.28	GCCCGAGGC
ANO7	-1141	-1132	+	6.09	GCCTGCAGC
ANO7	-1084	-1075	+	7.25	GCCCTGGGG
PASK	-1311	-1302	-	6.39	CCGCCGGGC
PASK	-1290	-1281	+	6.32	GCCCGCGCG
PASK	-1187	-1178	+	6.78	GCCTCAGGC
SNED1	-1290	-1281	-	7.06	CCCCAGGC
SNED1	-1233	-1224	+	6.31	GCCGGAAGC
SNED1	-1182	-1173	-	6.12	GCCTCTGGC
LOC100055297	-1078	-1069	+	6.32	GCCAGGGGC

3 MA0060.1 NFYA 12.9251246242 0.522629311625 -359:-302  
 2.27249942999e-05

## list of hits

HSPA14	-0355	-339	-	10.70	ACGCTGATTGGTGGCG
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CDNF	-0359	-343	+	6.92	GAGAGCCAATAGAAAC
PSAT1	-0354	-338	+	11.57	GCGAACCAATCAGCGC
PSAT1	-0323	-307	+	8.87	TCGGGCCAATGGGGAC
LOC100051018	-0345	-329	-	5.22	TCTCCCATAGGTCTGG
ANO7	-0330	-314	+	5.25	CTAAGCAAATAAGAGG
ANO7	-0302	-286	-	4.92	CGTGTCATTTGCTGGG
PASK	-0356	-340	-	6.90	GGCACCATTGGTTGGC
PASK	-0310	-294	-	9.57	TCTGCGATTGGTCAGT
TRPV6	-0339	-323	-	9.33	GTGCTTATTGGCCATT

4 MA0074.1 RXRA::VDR 20.4511670022 0.526666664581 -2001:-1940  
2.72591395021e-05

## list of hits

CDNF	-1961	-1946	-	1.48	GTAACTCGGTCACCT
GCNT1	-1996	-1981	-	1.37	GGAGCTCATTGAGCT
LOC100146966	-2001	-1986	-	0.59	TGGACTTTTTCACACC
HDLBP	-1940	-1925	+	2.07	GGGTGACGAGATTCA
ANO7	-1952	-1937	+	3.59	AGGGCAAGGAGTATG
PPP1R7	-1956	-1941	-	0.59	TGAACCTCTGGAAGC
MTERF4	-1989	-1974	-	1.28	TAATCTTATCAACCT
TRPV6	-1980	-1965	-	0.32	TGTTACTGTTGACCT
EPHB6	-1950	-1935	-	3.45	TGAATTCTGTGAGCC

5 MA0076.1 ELK4 14.1232301212 0.583333336645 -293:-245  
5.4861266417e-05

## list of hits

SUV39H2	-0284	-275	-	4.71	GCCTCCGGT
NSUN6	-0293	-284	+	9.19	GCCGGAAGT
NSUN6	-0277	-268	+	8.42	GCCGGAAGC
DMRT2	-0278	-269	-	5.25	ACTTCGGGT
LOC100057471	-0248	-239	-	3.94	ATTTCCAGT
MTERF4	-0274	-265	+	9.19	GCCGGAAGT
MTERF4	-0245	-236	-	7.11	GTTTCCGGC
LOC100055297	-0253	-244	-	5.25	ACTTCTGGT

6 MA0051.1 IRF2 21.1344204686 0.412037036209 -1210:-1082  
6.37114769633e-05

## list of hits

HSPA14	-1187	-1169	-	6.24	TCTCAGGTTTTATTTTCC
PRUNE2	-1195	-1177	+	0.03	TGTAAGAGAAAGCCTGAG
RFK	-1205	-1187	+	-0.99	GGGAAATAAAAGTCTGGC
RFK	-1098	-1080	+	3.43	GGAAAGTGACTGCAAAGT
CEP78	-1140	-1122	-	2.66	CTTAGCTTTTCGATTTCC
LOC100051018	-1210	-1192	-	0.63	ATTTAAATTTTCATTTTAA
LOC100051018	-1187	-1169	+	0.30	GAAAAATTAACCTTACT
LOC100051018	-1152	-1134	+	-0.91	GAATAAAGAAATTAACCT
LOC100057392	-1161	-1143	+	1.02	AGAATATGAACTGTAGA
LOC100057392	-1128	-1110	-	1.67	GCAAGGTTTTCACCTGTCA
LOC100057392	-1103	-1085	+	2.67	CTAAAAGGAACTAATTA
LOC100057512	-1157	-1139	+	2.11	TTAAAGTTAACTGAATA
LOC100057512	-1093	-1075	+	-0.94	TAAAAACATAACGAAAAA
LOC100057630	-1082	-1064	-	1.52	AATTTGGTTTCCTTAGCC
LOC100146966	-1168	-1150	+	6.48	TGTAAGTGAAAGTAGAAG
PPP1R7	-1142	-1124	+	1.91	GGAAAAGGAAAACCGATG
TRPV6	-1207	-1189	+	2.65	CATAAGTGAAATCATACA

7 MA0033.1 FOXL1 6.06853667575 0.244565224052 -2047:-1958  
6.64326017366e-05

## list of hits

SUV39H2	-2039	-2031	+	5.34	TAAGCATA
SUV39H2	-2024	-2016	-	5.24	TATTTTAA
HSPA14	-2043	-2035	+	5.43	GATATATA
NSUN6	-2047	-2039	-	6.44	TATGTAAA
NSUN6	-1965	-1957	-	6.15	TATGTTAA
CACNB2	-2021	-2013	+	5.53	TTTAAATA
CACNB2	-1971	-1963	+	6.15	TAGATATA
TRPM6	-2047	-2039	-	6.51	TATGTCTA
TRPM6	-1968	-1960	+	5.43	ACTACATA
PRUNE2	-2030	-2022	+	5.60	TAAAAATA

GCNT1	-2007	-1999	+	6.44	TTTACATA
LOC100051018		-1958	-1950	+	5.43 AATAAATA
LOC100057893		-2045	-2037	+	5.35 ATGATATA
LOC100057893		-1991	-1983	+	5.88 TATAAATA
LOC100057893		-1979	-1971	+	5.60 TAAAAATA
LOC100057471		-2002	-1994	+	5.53 TTTAAATA
LOC100057471		-1989	-1981	-	5.53 TATTTAAA
LOC100057512		-1997	-1989	+	5.27 TATGTATA
LOC100057630		-1994	-1986	-	5.35 TATATTAT
PASK	-1958	-1950	+	6.06	AAAACATA
MTERF4	-2035	-2027	+	6.15	TTGACATA
MTERF4	-2020	-2012	-	5.35	TATATTAT
SNED1	-2016	-2008	+	5.47	TACATATA

8 MA0162.1 Egr1 14.4555832005 0.739393945445 -890:-674  
7.68849943963e-05

list of hits

CDNF	-0820	-809	+	4.87	CCCGTAGGTGA
CDNF	-0794	-783	-	6.68	CCGCCCCCAGA
CDNF	-0729	-718	-	6.37	ACGGCCACGCA
FAM107B	-0713	-702	+	4.69	CGCGTGTGTGT
CACNB2	-0864	-853	-	3.85	CCTCCCCCATC
CACNB2	-0674	-663	-	6.58	GCGCCCACGCG
PRUNE2	-0762	-751	-	6.02	CCACCCCCACC
RFK	-0694	-683	+	5.09	TCTGGGGGAGG
PSAT1	-0881	-870	-	5.44	CCGCCTACATC
PSAT1	-0816	-805	-	3.94	CCACCTACCCA
CEP78	-0861	-850	+	7.48	TGCGTAGGAGA
CEP78	-0735	-724	+	7.76	CCCGTGGGAGG
LOC100057471		-0845	-834	-	7.10 ACACCTACACT
HDLBP	-0890	-879	+	6.64	AGCGGGGGAGA
HDLBP	-0807	-796	+	4.03	AGCGGGAGAGA
HDLBP	-0765	-754	+	4.15	AGCGGGGACGG
HDLBP	-0682	-671	-	5.62	CCTCCCCCACC
PASK	-0744	-733	-	6.99	CCGCCTCCGTT
SNED1	-0797	-786	-	7.48	CCTCCCCCGCC
SNED1	-0736	-725	-	10.43	CCGCCCCCGCG
SNED1	-0696	-685	+	7.98	CCCGGGGGCGG
EPHB6	-0839	-828	-	3.90	ACGCCACCTT

9 MA0140.1 Tal1::Gata1 11.2966184617 0.45067769915 -264:-225  
9.10647129407e-05

list of hits

LOC100051018	-0264	-246	+	5.95	CTGGGACTGTCAGATGAC
LOC100057392	-0264	-246	+	6.44	CTGGGACTGACAGATGAC
LOC100057392	-0225	-207	-	5.34	TTTATCTTCTATTTCTT
LOC100057471	-0264	-246	+	6.36	CTGGGACTGACGGATAAT
LOC100057512	-0264	-246	+	6.44	CTGGGACTGACAGATGAC
LOC100057512	-0225	-207	-	5.77	TTTATCTTCTATTTCTC
LOC100057630	-0264	-246	+	5.95	CTGGGACTGTCAGATGAC