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;      7 pvalue      pvalue      of      the

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1 MA0003.1 TFAP2A 78.120.920.509 0.800000024-743:-203
list      of      hits
EIF4G3      -695      -686 +      7.28      GCCCGAGGC
EIF4G3      -549      -540 +      6.31      GCGCGCGC
EIF4G3      -317      -308 -      6.02      GCTGGAGGC
HP1BP3      -490      -481 +      6.47      GCGCGAGG
HP1BP3      -409      -400 +      6.31      GCGCGCGC
HP1BP3      -365      -356 -      7.07      CCGCGGGC
HP1BP3      -311      -302 -      6.87      GCTCGGGC
HP1BP3      -263      -254 +      6.52      GCCTGGAGG
HP1BP3      -215      -206 +      5.80      GCGCAGAGG
SH2D5      -649      -640 +      6.33      GCGAGGGG
SH2D5      -481      -472 -      6.45      CCTCGCGC
SH2D5      -349      -340 -      5.89      GCGGGGGC
SH2D5      -312      -303 -      6.37      GCGCGGGC
SH2D5      -301      -292 +      7.04      GCGGGGGC
SH2D5      -286      -277 -      6.31      GCGCGGGC
KIF17      -743      -734 -      6.47      CCTGGGGC
KIF17      -709      -700 -      6.79      CCCTGAGG
KIF17      -447      -438 -      7.07      CCGCGGGC
KIF17      -423      -414 +      6.02      GCCTCCAGC
KIF17      -399      -390 -      6.99      CCGCGCGC
KIF17      -346      -337 +      6.26      GCGACGGG
KIF17      -284      -275 +      7.25      GCGCTGGG
KIF17      -256      -247 +      6.09      GCCTGCAGC
KIF17      -218      -209 +      6.79      GCCTCAGG

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WVOX	-717	-708 +	6.25	GCCACGGGC
WVOX	-576	-567 +	6.56	GCCTCCGGC
WVOX	-423	-414 +	5.96	GCCGGGCGG
WVOX	-297	-288 +	5.89	GCCGAGGGC
WVOX	-264	-255 +	5.88	GCCGCGCGC
BCO1	-296	-287 +	6.51	GCCGGGAGC
A.KRD50	-528	-519 -	6.79	CCCTGCGGC
A.KRD50	-502	-493 -	6.70	GCTCAGGGC
A.KRD50	-391	-382 +	6.69	GCCCCAAGG
A.KRD50	-266	-257 +	6.25	GCCACGGGC
A.KRD50	-254	-245 +	6.64	GCCGGCGGG
A.KRD50	-228	-219 +	7.04	GCCGGGGGC
A.KRD50	-210	-201 +	7.04	GCCGGGGGC
AVPR1A	-669	-660 +	6.39	GCCCGGCGG
AVPR1A	-374	-365 +	6.82	GCCGTGGGG
AVPR1A	-211	-202 -	6.31	GCGCGGGGC
LOC1006300	-382	-373 -	6.32	CCTTCAGGC
LOC1006300	-357	-348 +	7.25	GCCCTGGGG
LOC1006300	-341	-332 +	5.99	GCCCTTGGC
STT3A	-388	-379 +	6.03	GCCTCCAGG
EI24	-309	-300 -	5.75	CCCAGCGGC
EI24	-212	-203 +	5.72	GCCGTGCGG
MCMD2	-418	-409 +	6.94	GCCCGGAGC
MCMD2	-366	-357 +	6.70	GCCCTGAGC
LOC1000520	-626	-617 -	6.86	CCCTCCGGC
LOC1000520	-567	-558 +	7.41	GCCCCGGGC
LOC1000520	-535	-526 +	7.41	GCCCCGGGC
LOC1000520	-362	-353 -	5.96	GCGGCGGGC
LOC1000520	-337	-328 +	5.96	GCCCGCCGC
LOC1000520	-255	-246 -	5.94	GCGCCCGGC
LOC1000520	-203	-194 +	5.96	GCCCGCCGC
ATP13A1	-724	-715 -	6.82	CCCCACGGC
ATP13A1	-445	-436 -	6.32	CCTTCCGGC
ATP13A1	-343	-334 +	6.32	GCCCAGGGC
ATP13A1	-210	-201 +	6.39	GCCCGGCGG
GMIP	-346	-337 +	6.25	GCCACGGGC
GMIP	-229	-220 -	6.57	CCCGGCGGC
LPAR2	-726	-717 +	6.32	GCCCAGGGC
LPAR2	-716	-707 +	6.05	GCCACAGGC
LPAR2	-683	-674 +	6.32	GCCAGGGGC
LPAR2	-612	-603 +	6.13	GCCAGAGGG
LPAR2	-601	-592 -	6.32	CCGCGGGGC
LPAR2	-570	-561 -	6.51	GCTCCAGGC

LPAR2	-478	-469 +	6.45	GCCGCGAGG
LPAR2	-413	-404 -	6.57	CCCGGCGGC
LPAR2	-381	-372 +	6.45	GCCGCGAGG
LPAR2	-276	-267 +	6.03	GCCGCCAGG
IF.AR2	-370	-361 -	6.82	CCCCAAGGC
IL10RB	-624	-615 +	6.57	GCCTCCGGG
IL10RB	-377	-368 -	5.89	GCGGGGGGG
IL10RB	-353	-344 +	7.49	GCCCGGGGG
IL10RB	-340	-331 +	6.79	GCCGCAGGG
IL10RB	-236	-227 +	6.39	GCCCGGCGG
IL10RB	-207	-198 -	6.51	GCTCCCGGC
IF.AR1	-672	-663 +	7.47	GCCCGGGGG
IF.AR1	-657	-648 +	6.99	GCCCCCGGC
IF.AR1	-554	-545 +	6.31	GCCCCGCGC
IF.AR1	-486	-477 +	7.00	GCCCCCGGG
IF.AR1	-444	-435 -	6.44	GCTCGAGGC
IF.AR1	-432	-423 +	7.04	GCCGGGGGG
IF.AR1	-390	-381 +	5.89	GCCGCGCGG
IF.AR1	-222	-213 +	6.78	GCCGCAGGC
PTPRM	-741	-732 +	7.07	GCCCGCGGG
PTPRM	-732	-723 +	6.78	GCCGCAGGC
PTPRM	-695	-686 -	6.45	CCTCGCGGC
PTPRM	-525	-516 +	6.98	GCCGCGGGG
PTPRM	-503	-494 -	6.99	CCCCGAGGC
PTPRM	-487	-478 +	6.64	GCCGGCGGG
PTPRM	-444	-435 -	6.37	GCGCCGGGG
PTPRM	-407	-398 +	6.64	GCCTGCGGG
PTPRM	-372	-363 +	6.31	GCCCCGCGC
PTPRM	-345	-336 +	5.90	GCCAGCGGC
PTPRM	-328	-319 +	7.49	GCCCGGGGG
PTPRM	-316	-307 -	6.87	GCTCGGGGC
PTPRM	-280	-271 -	5.88	GCGCGCGGC
PTPRM	-249	-240 +	6.63	GCCGGCGGC

2 MA0146.1 Zfx 130.765.950.942 0.749369326-456:-186

list	of	hits		
HP1BP3	-453	-439 -	5.30	CAGACCCCGCC
HP1BP3	-389	-375 -	5.11	GAGGCTCCGCG
HP1BP3	-355	-341 +	5.57	GGGGGCGCGG
HP1BP3	-338	-324 +	5.33	GGGGGCGGGG
HP1BP3	-272	-258 +	10.81	GGCGGCTGGG
HP1BP3	-210	-196 -	6.21	GAGGCCGTGCC
SH2D5	-200	-186 -	6.10	CGGGCCGGGG

KIF17	-432	-418 +	6.31	CGCGCGCCGGC
KIF17	-292	-278 +	7.29	GCGGCCGGGC
KIF17	-265	-251 +	5.13	TGCGGCGGCGC
KIF17	-227	-213 +	8.95	CCGGGCAGGGC
KIF17	-186	-172 -	7.29	CAGGCGGCGGC
A.KRD50	-434	-420 -	5.33	CAGCCCCGCC
A.KRD50	-322	-308 -	6.02	CAGGCACGGGC
A.KRD50	-239	-225 -	7.92	AAGGCCGAGGC
A.KRD50	-225	-211 +	5.33	GGGGGCGGGG
LOC1006300	-343	-329 +	6.95	CAGCCCTTGGC
EI24	-456	-442 -	5.80	CAGGACTCGGC
EI24	-427	-413 +	5.29	GGCGGCGCGGC
EI24	-347	-333 +	5.41	CTCGCCCCGGA
EI24	-295	-281 +	5.66	GCGGCCCGGGC
LOC1000520	-433	-419 +	5.62	GCGGGCCGGGC
LOC1000520	-383	-369 -	7.57	GAGGCCGGACA
LOC1000520	-317	-303 +	5.15	CCGCCCCGCC
ATP13A1	-441	-427 +	6.65	CCGGCCACAGC
ATP13A1	-346	-332 +	5.27	GGCGCCCAGGC
ATP13A1	-219	-205 +	5.25	TGGGGCCCCGC
ATP13A1	-195	-181 -	6.27	CAAGCCCCGGC
GMIP	-386	-372 +	6.39	GTTTCCTGGGC
GMIP	-360	-346 +	5.45	CAGGCCGAGGC
GMIP	-343	-329 +	9.10	ACGGGCCGGGC
GMIP	-326	-312 +	5.04	CGCGGCGGGGC
GMIP	-305	-291 +	10.73	CGGGGCGGGG
GMIP	-240	-226 +	5.34	CGGGGCCGGGC
LPAR2	-358	-344 -	7.41	GAGGCCCAAGC
LPAR2	-210	-196 -	6.09	GAGGCTGGGG
IL10RB	-334	-320 +	5.73	GGGGGCGGGG
IL10RB	-279	-265 -	5.55	GAGGGCCGGGC
IL10RB	-245	-231 +	5.62	GGGGCTTGGGC
IF.AR1	-440	-426 -	5.32	GAGGCAGCGGC
IF.AR1	-391	-377 +	8.24	AGCCGCGCGGC
IF.AR1	-343	-329 +	6.62	AGGGTCAAGGC
IF.AR1	-218	-204 -	7.28	CAGGCCCAACA
PTPRM	-456	-442 -	6.48	CGGGCCGCGGC
PTPRM	-186	-172 +	6.23	GCGGGCGCGGC

3 MA0162.1 Egr1 144.555.832.005 0.739393945-400:-301

list	of	hits		
HP1BP3	-370	-359 -	7.83	CCGCTCCCGCG
HP1BP3	-341	-330 +	10.43	CGCGGGGGGCG

HP1BP3	-324	-313 +	5.20	CGCGGGGGCGG
SH2D5	-390	-379 +	4.51	CGCGGGCGCGG
SH2D5	-368	-357 +	4.44	CACGTGGGGGG
SH2D5	-341	-330 +	5.20	CGCGGGGGCGG
SH2D5	-301	-290 +	6.62	GCCGGGGGGCG
KIF17	-393	-382 +	4.55	GGCGGGAGCGG
KIF17	-302	-291 +	5.22	TGCGGCGGCGG
A.KRD50	-333	-322 -	4.53	CCGCACACGCC
AVPR1A	-363	-352 +	5.40	TGCGGGGGGGG
CHEK1	-385	-374 +	7.00	TGTGTGGGAGG
STT3A	-390	-379 -	4.75	CCGCCTCCAGG
LOC1000520	-317	-306 -	4.68	CCGCCCGCGCC
GMIP	-333	-322 -	7.46	CCTCCTCCGCG
LPAR2	-346	-335 +	5.06	TGCGGGCGCGT
IL10RB	-400	-389 +	5.20	CGCGGGGGCGG
IL10RB	-352	-341 +	7.98	CCCGGGGGCGG
IF.AR1	-305	-294 +	4.82	TACGAGGGCGG

4 MA0035.2 **Gata1** 108.778.685.237 0.372818182-2117:-1866

list	of	hits		
EIF4G3	-2100	-2089 +	6.94	AGAGATAATGC
EIF4G3	-1975	-1964 -	7.36	CTGTTATCACC
EIF4G3	-1890	-1879 +	6.66	ACAGAGAAGAG
HP1BP3	-1926	-1915 +	7.44	TGAGATAAACG
SH2D5	-2105	-2094 -	7.59	CGCTTATCAGG
WWOX	-2088	-2077 +	7.78	GAAGATAAGCT
BCO1	-1937	-1926 +	6.50	GCTGATAATGG
A.KRD50	-2083	-2072 +	6.87	GGAGATAAATG
AVPR1A	-1883	-1872 -	8.81	TTTTTATCTCT
CHEK1	-2014	-2003 -	6.74	TTGTTATCAAT
EI24	-2067	-2056 +	6.64	AAAGATAGGCA
LOC10063010	-1992	-1981 +	9.42	GGAGATAAGAC
LOC1000520	-2117	-2106 +	8.79	TGAGATAAGCA
LOC1000520	-2103	-2092 -	7.57	TTATTATCTCT
LOC1000520	-1950	-1939 -	6.25	TTCATATCTGT
LOC1000548	-2099	-2088 -	7.84	TTATTATCTGT
LOC1000548	-2077	-2066 -	7.03	ATTTTATCACT
IL10RB	-2021	-2010 -	6.87	ACCTTATCATA
IL10RB	-1920	-1909 -	7.45	CTTTTATCTAT
IF.AR1	-1866	-1855 +	6.38	AGAGATAAATT

5 MA0079.2 **SP1** 111.288.627.426 0.820000010-232:-121

list of hits

EIF4G3	-223	-213 +	5.74	CGCTTCCCCC
EIF4G3	-213	-203 -	8.47	GGGGAGGGGG
EIF4G3	-194	-184 +	9.04	CCCCGCCGCC
EIF4G3	-149	-139 +	8.00	CTCCGCCTCC
EIF4G3	-122	-112 +	6.62	GCCCCCCCCC
HP1BP3	-230	-220 -	6.30	GGCGGCGGGA
HP1BP3	-185	-175 -	6.60	GGAAGGGGGG
HP1BP3	-141	-131 -	6.58	GGGGAGTGGG
SH2D5	-200	-190 -	5.71	CGGGCCGGGG
SH2D5	-189	-179 -	7.07	TGGGGCTGGG
SH2D5	-171	-161 -	8.78	GGGAGCGGGG
SH2D5	-140	-130 -	7.02	GGAGGGAGGG
SH2D5	-123	-113 -	6.82	TGGGGAGGAG
KIF17	-154	-144 +	6.90	CCCCGCCGCT
KIF17	-143	-133 +	6.66	CCCCCTCCTC
WVOX	-190	-180 -	6.82	CGGGGAGGAG
WVOX	-132	-122 -	7.72	TGAGGAGGGG
A.KRD50	-225	-215 -	11.09	GGGGGCGGGG
A.KRD50	-213	-203 -	7.84	GGGGCCGGGG
A.KRD50	-189	-179 -	8.96	TGGGGCGGGG
A.KRD50	-179	-169 -	6.96	CGGGGCGGAG
AVPR1A	-231	-221 -	7.02	GGAGGGTGGG
AVPR1A	-123	-113 -	7.07	AGGGGCTGGG
ACRV1	-218	-208 +	8.04	CCCCTCCTTC
EI24	-231	-221 -	8.89	GGCGGAGGGG
EI24	-166	-156 -	7.04	GGCGGCGGAG
LOC1000520	-140	-130 -	7.71	GGGGGCGGGC
GMIP	-208	-198 +	7.07	CCCAGCCCCG
LPAR2	-232	-222 +	5.86	CCCTGTCCTC
LPAR2	-211	-201 -	8.11	GGAGGCTGGG
LPAR2	-188	-178 -	6.22	AGGGGCGGGA
LPAR2	-165	-155 -	11.09	GGGGGCGGGG
LPAR2	-140	-130 -	7.14	TAGGGCGGGG
IL10RB	-131	-121 -	8.81	CGGGGAGGGG
IF.AR1	-180	-170 -	6.76	CGCGGAGGGG
IF.AR1	-159	-149 -	5.98	AGGGGGAGGG
IF.AR1	-138	-128 -	8.96	AGGGGCGGGG
IF.AR1	-121	-111 -	6.58	GGAGACAGGG
PTPRM	-175	-165 +	6.79	CTCCGCTCCC
PTPRM	-133	-123 -	7.15	GGCGGCAGGG

6 MA0112.2 ESR1 135.630.609.902 0.594271941-195:-56

list of hits

EIF4G3	-102	-82 -	5.61	TTGTACGGAG
HP1BP3	-133	-113 +	4.98	GGCGCGGGTC
SH2D5	-165	-145 -	7.12	GGGGCTCGGT
WVOX	-110	-90 +	5.76	TGGGCGGGGC
BCO1	-174	-154 -	8.01	GGGCCAGAGT
A.KRD50	-69	-49 -	6.29	GGGGCAGCTG
AVPR1A	-195	-175 +	4.82	TCCCGGAGCCA
ACRV1	-56	-36 +	5.39	TACCCGAATCA
LOC1006300	-189	-169 +	10.87	GCCACTGGTCA
LOC1006300	-126	-106 -	5.51	AGGGCAGTGG
STT3A	-189	-169 -	5.22	ATGGCAGAGG
EI24	-58	-38 -	6.02	AGGGCAGGCA
LOC1006301	-167	-147 +	7.83	GCCACTGATCA
GMIP	-129	-109 -	4.93	ATGCGAGAGT
LPAR2	-164	-144 +	6.66	GGGGCGGGGC
LPAR2	-56	-36 +	4.89	AGCCGCGGTG
IF.AR2	-121	-101 +	5.39	GAAGGGAGTC
IL10RB	-192	-172 -	5.97	ATGGCACGGAC
IL10RB	-64	-44 +	6.24	CGGCCCAGGG

7 MA0081.1 SPIB 906.007.130.057 0.466472323-3192:-3018

list	of	hits		
EIF4G3	-3190	-3183 -	7.09	TTCCTGT
SH2D5	-3158	-3151 +	6.55	TCAGGAA
SH2D5	-3138	-3131 +	6.55	TCAGGAA
SH2D5	-3091	-3084 -	6.60	TTCCCCT
SH2D5	-3058	-3051 -	6.55	TTCCTGA
WVOX	-3038	-3031 +	7.09	ACAGGAA
BCO1	-3128	-3121 +	7.28	TGAGGAA
AVPR1A	-3060	-3053 +	7.28	TGAGGAA
LOC1006300	-3018	-3011 -	6.55	TTCCTGA
LOC1006301	-3174	-3167 -	7.09	TTCCTGT
LOC1000520	-3190	-3183 -	7.09	TTCCTGT
LOC1000520	-3126	-3119 -	7.28	TTCCTCA
LOC1000548	-3094	-3087 +	7.28	TGAGGAA
GMIP	-3178	-3171 +	6.60	AGGGGAA
IF.AR2	-3027	-3020 -	7.28	TTCCTCA
IF.AR1	-3095	-3088 +	6.60	AGGGGAA
PTPRM	-3192	-3185 -	7.82	TTCCTCT
PTPRM	-3159	-3152 -	7.82	TTCCTCT

8 MA0259.1 HIF1A::ARNT 973.982.402.355 0.657451923-1807:-1701

list of hits

HP1BP3	-1736	-1728 +	7.08	GCACGTGG
HP1BP3	-1718	-1710 +	6.79	GCGCGTGC
SH2D5	-1760	-1752 +	7.08	GCACGTGG
LPAR2	-1725	-1717 +	6.95	GGGCGTGC
IF.AR2	-1807	-1799 +	7.23	GGACGTGG
IL10RB	-1701	-1693 -	6.96	GCACGTTC

9 MA0084.1		SRY	919.301.452.288	0.238095234	-2451:-2316
list	of	hits			
EIF4G3	-2376	-2367 +	7.84		TATAACAAT
HP1BP3	-2402	-2393 -	6.55		ATTGTGAAA
SH2D5	-2375	-2366 +	6.57		TGAAACAAA
KIF17	-2407	-2398 +	6.69		GAAGACAAT
WWOX	-2441	-2432 -	6.49		ATTGTGTAG
WWOX	-2349	-2340 +	6.98		GAATACAAT
A.KRD50	-2448	-2439 -	6.22		ATTGATAAA
A.KRD50	-2318	-2309 +	7.55		GTTAACAAA
AVPR1A	-2333	-2324 +	6.29		GATCACAAT
CHEK1	-2322	-2313 +	6.47		TAACACAAT
MCMDC2	-2316	-2307 +	6.49		CTACACAAT
LOC1000520	-2451	-2442 -	6.49		ATTGTCTAG
LOC1000520	-2409	-2400 -	7.25		TTTGTTTTA
LOC1000548	-2424	-2415 -	6.57		ATTGTAATC
LOC1000548	-2332	-2323 +	8.32		TTTAACAAT
ATP13A1	-2404	-2395 -	6.83		ATTGTAAAA
LPAR2	-2376	-2367 +	6.87		CTTAACAAA
IF.AR2	-2449	-2440 +	6.79		CAAAACAAA

10 MA0140.1		Tal1::Gata1	112.966.184.617	0.450677699	-3197:-2457
list	of	hits			
EIF4G3	-2714	-2696 +	5.68		TTGCTTGCAGT/
SH2D5	-2529	-2511 -	5.74		GTAATCTCCAGI
WWOX	-2457	-2439 -	6.34		TTTATCAAATAI
BCO1	-2862	-2844 -	7.48		CTTATCTCACCA
A.KRD50	-2457	-2439 +	6.75		ATTTGGGTGAT
AVPR1A	-3017	-2999 +	7.37		TTGTGAAACAT
AVPR1A	-2881	-2863 -	5.60		TCTATCAATACC
CHEK1	-3074	-3056 -	7.99		CTTATCTCTTAC
ACRV1	-3026	-3008 -	7.28		GTTATCTTCAGC
ACRV1	-2721	-2703 -	6.69		CTCATCTTTTGT
LOC1006300	-3197	-3179 +	7.34		CTCAGAGAAAG
STT3A	-3108	-3090 +	6.08		GAGTAAGGGAC
STT3A	-3000	-2982 +	9.18		TTGGATCATTT/



STT3A	-2516	-2498 +	7.60	TTGGAGATTTC
EI24	-3114	-3096 -	6.61	TTTATCAGTTAT
EI24	-2867	-2849 -	7.16	GTTATCTCTTTA
EI24	-2787	-2769 +	6.69	CCACAACCTTTC
EI24	-2615	-2597 +	6.13	AGAGCTTCTAG
LOC10063010	-3158	-3140 -	5.92	TTTATCTAAATT
MCMD2	-2511	-2493 -	6.64	CTTATCGCTTGC
LOC1000520	-2762	-2744 -	7.15	TTTATCTGCTAT
LOC1000520	-2564	-2546 -	6.77	CCTATCATTATA
LOC1000520	-2469	-2451 -	6.92	CTTATCTCATTG
LOC1000548	-3196	-3178 -	6.21	TTTATCACTAA
LOC1000548	-2670	-2652 -	5.77	CATATCATATTT
ATP13A1	-3039	-3021 +	7.33	ACTGAGGGGGTC
ATP13A1	-2580	-2562 +	9.27	ATGGTACATTC
LPAR2	-2641	-2623 -	8.03	CATATCTCCTAT
IF.AR2	-3020	-3002 -	7.18	GTTATCACTATC
IF.AR1	-3197	-3179 -	6.34	CTTATCAAAAAG
IF.AR1	-3028	-3010 +	6.39	TTTGGCAAAAC
IF.AR1	-2881	-2863 +	9.01	GGGGGACGGG
IF.AR1	-2539	-2521 +	7.28	GAGGAAATATT
PTPRM	-2569	-2551 +	5.68	GTTTGCTAGCT

	11	MA0117.1	Mafb	676.893.922.026	0.608333337	-185:-53
list		of	hits			
EIF4G3		-90	-82 -	5.80		CCGGCAGC
EIF4G3		-53	-45 +	5.80		GCTGCCGG
HP1BP3		-79	-71 +	6.28		GCCGACGC
KIF17		-61	-53 +	5.80		GCTGCCGC
A.KRD50		-125	-117 -	5.80		GCGGCAGC
AVPR1A		-154	-146 -	6.28		GCGTCGGC
ACRV1		-93	-85 -	5.76		GTTTCAGC
LOC1006300		-56	-48 -	5.76		CTATCAGC
EI24		-185	-177 +	5.80		GCTGCCGC
EI24		-157	-149 +	5.80		GCTGCCGG
LOC1000548		-184	-176 +	7.02		GCTGACTG
ATP13A1		-150	-142 +	5.76		GCTGATAG
IF.AR2		-116	-108 -	7.02		GAGTCAGC
IF.AR2		-98	-90 +	6.60		GCTGATGG
PTPRM		-146	-138 +	5.73		GCCGACTG

	12	MA0158.1	HOXA5	875.888.972.496	0.319270834	-2988:-2946
list	of	hits				
EIF4G3	-2958	-2950 +	7.27	CTCTAATT		

WVOX	-2974	-2966 -	6.94	AATTACAG
BCO1	-2974	-2966 -	7.09	AATTTCTG
ATP13A1	-2962	-2954 +	6.94	CTGTAATT
LPAR2	-2951	-2943 +	6.87	CATAAATT
IF.AR1	-2988	-2980 +	6.54	CGTAAATT
IF.AR1	-2946	-2938 +	7.27	CATTAATT

	13	MA0147.1	Myc	11.157.239.362	0.685903085	-1790:-1691
list		of	hits			
HP1BP3		-1737	-1727 +	9.75		AGCACGTGGT
HP1BP3		-1719	-1709 -	5.30		TGCGCGTGCC
SH2D5		-1768	-1758 +	6.11		AGCACTTGGC
KIF17		-1790	-1780 +	6.26		CCCATGTGGA
KIF17		-1723	-1713 +	7.23		ATCACGTGGT
KIF17		-1691	-1681 -	5.69		CCCATGTGTG
BCO1		-1766	-1756 +	9.16		AACACGTGGC
BCO1		-1723	-1713 +	5.63		TGCACGCGTT
GMIP		-1703	-1693 +	5.25		AGCACTTGGA

	14	MA0028.1	ELK1	881.228.537.154	0.567857146	-771:-296
list		of	hits			
EIF4G3		-410	-400 +	6.80		TCTCCGGAAG
WVOX		-750	-740 +	6.13		TGAACGGAAG
WVOX		-326	-316 -	7.19		CGTCCGGCTG
BCO1		-321	-311 +	6.41		GAACAGGAAG
A.KRD50		-662	-652 +	6.21		CACCCGGACA
AVPR1A		-753	-743 -	5.92		TGTCCGGAGG
AVPR1A		-647	-637 +	6.06		GCCCCGGACA
LOC1006300		-381	-371 -	6.69		CTTCAGGCAC
STT3A		-568	-558 -	5.91		TTTCCGCTTC
MCMD2		-706	-696 -	5.88		CTTCCGTGCT
LOC1000520		-382	-372 +	6.61		AGGCCGGACA
ATP13A1		-611	-601 +	6.29		CAGCCGGATG
ATP13A1		-578	-568 -	8.86		CTTCCGGTTC
ATP13A1		-529	-519 -	7.93		TTTCCGGTCT
ATP13A1		-444	-434 -	7.56		CTTCCGGCCA
ATP13A1		-403	-393 -	7.42		CTTCCGGACT
ATP13A1		-334	-324 +	7.45		TCACCGGAAG
ATP13A1		-296	-286 +	6.65		TGCCCGGAAG
GMIP		-771	-761 +	6.58		GGACCTGAAG
LPAR2		-305	-295 +	8.46		GCGCCGGAAG
IF.AR2		-747	-737 -	5.83		TTTCCTGTAC
IF.AR2		-452	-442 +	5.94		GGGCAGGAAA

IL10RB	-756	-746 +	6.61	GTGCCTGAAA
IL10RB	-372	-362 +	6.96	GGGCCGGACA
IF.AR1	-417	-407 +	6.06	CAACAGGAAG

	15	MA0136.1	ELF5	869.309.550.562	0.429292928-2105:-2056
list		of	hits		
KIF17		-2105	-2096 -	7.29	CAGGAAGTG
KIF17		-2056	-2047 -	6.36	GAGGAAGCA
BCO1		-2101	-2092 -	6.59	AAGGATGCA
BCO1		-2060	-2051 -	6.98	ACGGATATA
A.KRD50		-2061	-2052 -	6.49	AAGGAAGGA
ACRV1		-2099	-2090 -	7.35	AAGGAACTA
STT3A		-2102	-2093 -	7.29	CAGGAAGTG
GMIP		-2086	-2077 +	6.34	TTCTTCCTG
IF.AR1		-2081	-2072 -	7.41	CAGGAAATT

	16	MA0025.1	NFIL3	1.413.850.704	0.264822136-1792:-1480
list		of	hits		
EIF4G3		-1782	-1771 -	4.60	GTATTACAAAT
WWOX		-1767	-1756 -	4.49	GAGTTACATAC
A.KRD50		-1646	-1635 +	5.18	TTCTGTAACCT
A.KRD50		-1563	-1552 -	4.42	TTCTTACTTAA
A.KRD50		-1539	-1528 +	7.77	ATATGTAATTT
AVPR1A		-1770	-1759 +	5.50	TGATATAACCG
LOC1006300		-1722	-1711 +	4.76	ATATATAAGTT
LOC1006300		-1582	-1571 -	7.77	AAACTACATAA
EI24		-1781	-1770 +	4.60	ATTTGTAAGAT
EI24		-1541	-1530 +	4.72	CTATGTAATAA
LOC1006301		-1505	-1494 -	5.07	GAGTTACATCT
LOC1000548		-1653	-1642 +	4.68	TTATGGAATAA
LOC1000548		-1523	-1512 +	7.64	ATATGTAAGGT
GMIP		-1487	-1476 -	4.60	TCATTACAAAT
IF.AR2		-1480	-1469 -	7.86	AAATTATGTAA
IL10RB		-1640	-1629 -	7.83	CGGTTACATCA
IF.AR1		-1792	-1781 +	5.63	TTATATAGCAA
IF.AR1		-1691	-1680 +	4.45	ATACATAACTC
PTPRM		-1708	-1697 +	9.35	TGATGTAACGT

	17	MA0154.1	EBF1	115.644.748.683	0.648000004-1610:-1501
list		of	hits		
SH2D5		-1596	-1586 -	6.01	TCCCTGTGAG
SH2D5		-1552	-1542 +	5.58	ATTAAAGGGA
WWOX		-1502	-1492 +	7.78	CCTCCTGGGA

AVPR1A	-1610	-1600 -	5.45	CCCCTTTGGA
STT3A	-1564	-1554 -	5.39	TCCCTTTAAG
LOC10063010	-1572	-1562 +	7.44	TCCCTGGGGA
MCMD2	-1578	-1568 -	6.30	TCCCAGGAGC
MCMD2	-1519	-1509 -	7.09	TCTCCTGGGT
MCMD2	-1501	-1491 -	6.60	TCCCTTAGAG
LOC10005480	-1538	-1528 -	8.24	TCTCTTGGGT
LPAR2	-1595	-1585 -	8.48	TCCCCTGAGG
LPAR2	-1541	-1531 +	7.09	ACCCAGGAGA
IFAR2	-1573	-1563 +	5.89	TCTTTAGGGA
PTPRM	-1561	-1551 +	7.62	GCCCCGGGGA

18 MA0080.2		SPI1	964.024.729.829	0.435374151-2194:-2080
list	of	hits		
KIF17	-2168	-2161 +	6.31	AGGAAGA
KIF17	-2104	-2097 +	8.65	AGGAAGT
AVPR1A	-2155	-2148 +	6.31	AGGAAGA
AVPR1A	-2121	-2114 -	6.31	TCTTCCT
ACRV1	-2194	-2187 -	6.31	TCTTCCT
ACRV1	-2098	-2091 +	6.28	AGGAACT
STT3A	-2101	-2094 +	8.65	AGGAAGT
EI24	-2193	-2186 -	6.81	GCTTCCT
LOC10063010	-2183	-2176 -	6.78	ATTCCT
ATP13A1	-2120	-2113 +	6.78	AGGAAAT
GMIP	-2085	-2078 -	6.31	TCTTCCT
LPAR2	-2133	-2126 -	6.31	TCTTCCT
IFAR2	-2166	-2159 +	6.78	AGGAAAT
IFAR1	-2080	-2073 +	6.78	AGGAAAT
PTPRM	-2163	-2156 -	8.65	ACTTCCT
PTPRM	-2150	-2143 -	6.96	ACTTCCC

19 MA0080.2		SPI1	964.024.729.829	0.435374151-1718:-1622
list	of	hits		
EIF4G3	-1706	-1699 -	6.81	GCTTCCT
HP1BP3	-1701	-1694 +	6.31	AGGAAGA
SH2D5	-1660	-1653 -	8.65	ACTTCCT
KIF17	-1649	-1642 -	6.81	GCTTCCT
AVPR1A	-1692	-1685 -	6.78	ATTCCT
LOC10063000	-1703	-1696 +	6.31	AGGAAGA
MCMD2	-1718	-1711 -	6.81	GCTTCCT
LOC10005200	-1657	-1650 +	6.78	AGGAAAT
GMIP	-1660	-1653 -	6.78	ATTCCT
LPAR2	-1635	-1628 +	6.81	AGGAAGC

IF.AR1	-1656	-1649 +	6.31	AGGAAGA
IF.AR1	-1622	-1615 -	6.31	TCTTCCT
PTPRM	-1691	-1684 +	6.45	AAGAAGT
PTPRM	-1637	-1630 +	6.42	AGAAAGT

	20	MA0161.1	NFIC	698.267.924.778	0.568504061	-617:-574
list		of	hits			
SH2D5		-608	-602 +	5.83		CTGGCA
WVOX		-606	-600 +	5.83		CTGGCA
CHEK1		-584	-578 -	6.73		TGCCAA
ACRV1		-617	-611 -	5.91		AGCCAA
ACRV1		-593	-587 -	5.91		AGCCAA
ACRV1		-574	-568 -	5.91		AGCCAA
LOC1006300		-592	-586 -	5.91		AGCCAA
IL10RB		-615	-609 +	6.73		TTGGCA

	21	MA0149.1	EWSR1-FLI1	328.714.828.257	0.554497355	-982:-893
list		of	hits			
EIF4G3		-898	-880 -	-8.21		CTTTCCTTCCCC
HP1BP3		-912	-894 -	-8.41		AATTCCCTCTTT
SH2D5		-982	-964 +	-8.41		GGCCCGGAGG
SH2D5		-923	-905 +	1.99		AGGATGACGG
BCO1		-921	-903 +	-7.36		GGAAGATGGG
AVPR1A		-916	-898 -	-8.39		AAGTGCTTCTT
CHEK1		-915	-897 -	-6.94		CTCACATTACTT
ACRV1		-968	-950 +	-2.58		GAACAAAAAG
ACRV1		-899	-881 +	-6.29		CTAAGGAAGCA
LOC1006300		-893	-875 +	-8.09		GGAAAGGAAG
STT3A		-981	-963 +	-3.04		GGAGAGAGGG
EI24		-969	-951 +	-3.37		GCTAGGAAGG
EI24		-947	-929 +	-8.25		GGGGGGGGGG
EI24		-921	-903 +	-3.05		GAAAAAAAAG
MCMD2		-917	-899 +	-6.23		GGGGGAAGGG
LOC1000548		-959	-941 +	-7.78		CAAAAGAAGGT
LPAR2		-970	-952 +	-7.23		GGAAGGGTGA

2020

ratio=3.0, top=25

of the window window  
the matrix (relatively to TSS)  
matrix (G+C)%

2,84E-03



7,48E+04

ACCCCGCCCGG  
GCTCCGCGCGC  
GGCGCGGCCGG  
GGCGGGGCCGG  
GGCTGGGCCTG  
GCCGTGCGGGA  
GCCGGGGCTGG



GCGCCGGCCTC  
GCCGGGCCCTG  
GGCGGCGCCTG  
GGCAGGGCCTC  
GCGGCGGCCCC  
CCCCCGCCCC  
GCACGGGCGGC  
GCCGAGCGGCC  
GGCGGGGCCGG  
CCCTTGGCCTG  
GACTCGGCGTC  
GGCGCGGCCGG  
GCCCCGGA CTG  
GCCCCGGGCATG  
GGCCGGCCCTC  
GCCGGACAGCC  
CCCGCGCCCTC  
GCCACAGCCTG  
GCCCAGGGCTC  
GGCCCCGGCCCG  
GCCCCGGGCCGC  
TCCTGGGCCTT  
GCCGAGGCGTG  
GGCCGGGCCTC  
GGCGGGGCGTG  
GGCGGGGCCTC  
GGCCGGGCCCC  
GCCCAAGACTG  
GCTGGGGTCCC  
GGCGGGGCCCC  
GGCCGGGCTGG  
GCTTGGGCCCC  
GCAGCGCCGGG  
CGCGCGGCCTG  
GTCAAGGCCTC  
GCCCAACTC  
GCCGCGGCTGC  
GGCGCGCCCTC

2,15E+05

CTCCCGCG  
GGGGGCGG

GGGGGCGC  
GGGCGCGG  
GTGGGGGG  
GGGGGCGC  
GGGGGCGG  
GGGAGCGA  
GGCGGCGG  
CACACGCC  
GGGGGGGG  
GTGGGAGA  
CCTCCAGG  
CCCGCGCC

GGGCGCGT  
GGGGGCGC  
GGGGGCGG  
GAGGGCGG

9,14E+05

GATAATGC

GAGAAGAA  
GATAAACG  
TTATCAGG  
GATAAGCT  
GATAATGG  
GATAAATG

GATAGGCA  
GATAAGAG  
GATAAGCA

GATAAATT

9,64E+05

GAGGGGG

AGGGGGG

GAGTGGG

AGCGGGG

GGGAGGG

GGAGGAG

GGCGGGG

GCCGGGG

GGGTGGG

GGAGGGG

GGCGGGC

GGCGGGA

GGCGGGG

GGAGGGG

GGGAGGG

GGCGGGG

1,10E+04

ACCGGCAGC  
ACTGGACCC  
CCCAGGCGC  
GCGGGGCCGCTGCCCC  
CCAGAGTGACAGGTGAG  
GCAGCTGGAGCTGGCAG  
CGGAGCCAAGCTGCCCC  
CCGAATCAATCTGACTC  
ACTGGTCATCCTGTCCT  
GCAGTGGGACTGAGGAG  
GCAGAGGGAGCCGAGCG  
GCAGGCAGGGCCGGAGC  
ACTGATCATCCTGTCCT  
CGAGAGTGGCCTCCCCC  
GCGGGGCGCTGTGGCCC  
CCGAGCCAT  
AGCCTGGCTT  
CCTCTGGAG  
ACCCCGACCC

2,96E+06

3,10E+05

3,15E+06

4,19E+05

CTTGCAGTAGATTAA  
ATCTCCAGCCCCAGG  
ATCAAATATTTACAT  
ATCTCACCATGTAAT  
TGGGTGATTGATAAA  
TGAAACATTGATAAA  
ATCAATACCTTCAAC  
ATCTCTTACGTAAGA  
ATCTTCAGGTCTCCG  
ATCTTTTTGAACCAG  
AGAGAAAGTGATAAG  
TAAGGGAGAGATTAG  
GATCATTTAGATAAG

GAGATTTTCAGATAGA  
ATCAGTTATAACACT  
ATCTCTTTACAAGAC  
CAACTTTTCAGATAAG  
GCTTCTAGAGATAAG  
ATCTAAATTCTACTA  
ATCGCTTGCTTCCAT  
ATCTGCTATAAAACA  
ATCATTATATGACAA  
ATCTCATTGGAATAT  
ATCACTAAATTGCTA  
ATCATATTTGCCCAT  
GAGGGGTGAGATAAA  
GTACATTCAGATAAC  
ATCTCCTATGCACAG  
ATCACTATCCCCAGA  
ATCAAAAGGAACAGA  
GGCAAAACTGATAGA  
GGACGGGGAGATAAA  
GAAATATTAGATAAG  
TGCTAGCTTGATAAA

4,63E+06

4,88E+06

5,40E+05

5,42E+06

5,55E+06

5,72E+06

TTACATAC

TATAACCG

CTACATAA

TGGAATAA

TGTAAGGT

TGTAACGT

6,07E+06



7,17E+06

7,37E+06

7,90E+06

9,58E+05

TCCCTCCCCCAGCCT  
TCCCTCTTTTCTTTT  
CCGGAGGGAGGAGGA  
ATGACGGAAGGAAGG  
AGATGGGCACGGATG  
TGCTTCTTTCCTTTT  
ACATTACTTACCTCC  
CAAAAAGAAGGAAAG  
AGGAAGCAGGGGAAG  
AAGGAAGTAGTAAAA  
GAGAGGGCAAAAAGG  
AGGAAGGAAAATAGG  
GGGGGGGGGGCAAAG  
AAAAAAGAAGAAATG  
GGAAGGGAAGGTTAC  
AAGAAGGTACTAAGG  
AGGGTGACAGGGGAG