

;TFM Explorer

;Date : Wed May 13 06:26:55 2020
 ;Scanned location : -3000:300
 ;Scanned sequences : None (16 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 MA0056.1 MZF1_1-4 8.58551308885 0.724999990314 -2998:-1715
 4.13199505302e-17

list of hits

LOC102151104	-2173	-2167	+	7.05	TGGGGA
INPP5J	-2722	-2716	+	7.05	TGGGGA
SMTN	-2984	-2978	-	7.05	TCCCCA
SMTN	-2281	-2275	-	7.05	TCCCCA
SMTN	-1816	-1810	-	7.05	TCCCCA
OSBP2	-2000	-1994	-	7.05	TCCCCA
OSBP2	-1897	-1891	+	7.05	TGGGGA
OSBP2	-1839	-1833	-	7.05	TCCCCA
OSBP2	-1715	-1709	+	7.05	TGGGGA
CNTN3	-2413	-2407	+	7.05	TGGGGA
PDZRN3	-2462	-2456	-	7.05	TCCCCA
PPP4R2	-2937	-2931	+	7.05	TGGGGA
PPP4R2	-1968	-1962	+	7.05	TGGGGA
PPP4R2	-1875	-1869	-	7.05	TCCCCA
GXYLT2	-2265	-2259	-	7.05	TCCCCA
VARS2	-2345	-2339	+	7.05	TGGGGA
VARS2	-2107	-2101	+	7.05	TGGGGA
VARS2	-1977	-1971	+	7.05	TGGGGA
SFTA2	-2848	-2842	+	7.05	TGGGGA
SFTA2	-2827	-2821	+	7.05	TGGGGA
SFTA2	-2806	-2800	+	7.05	TGGGGA
SFTA2	-2785	-2779	+	7.05	TGGGGA
SFTA2	-2764	-2758	+	7.05	TGGGGA
SFTA2	-2743	-2737	+	7.05	TGGGGA
SFTA2	-2722	-2716	+	7.05	TGGGGA
SFTA2	-2701	-2695	+	7.05	TGGGGA
SFTA2	-2680	-2674	+	7.05	TGGGGA
SFTA2	-2659	-2653	+	7.05	TGGGGA
SFTA2	-2638	-2632	+	7.05	TGGGGA
SFTA2	-2617	-2611	+	7.05	TGGGGA
SFTA2	-2596	-2590	+	7.05	TGGGGA
SFTA2	-2575	-2569	+	7.05	TGGGGA
SFTA2	-2554	-2548	+	7.05	TGGGGA
SFTA2	-2533	-2527	+	7.05	TGGGGA
SFTA2	-2512	-2506	+	7.05	TGGGGA
SFTA2	-2491	-2485	+	7.05	TGGGGA
SFTA2	-2470	-2464	+	7.05	TGGGGA
SFTA2	-2449	-2443	+	7.05	TGGGGA
SFTA2	-2428	-2422	+	7.05	TGGGGA
SFTA2	-2407	-2401	+	7.05	TGGGGA
SFTA2	-2386	-2380	+	7.05	TGGGGA
SFTA2	-2365	-2359	+	7.05	TGGGGA
SFTA2	-2344	-2338	+	7.05	TGGGGA
SFTA2	-2323	-2317	+	7.05	TGGGGA
SFTA2	-2302	-2296	+	7.05	TGGGGA
SFTA2	-2281	-2275	+	7.05	TGGGGA
SFTA2	-2260	-2254	+	7.05	TGGGGA
SFTA2	-2239	-2233	+	7.05	TGGGGA
SFTA2	-2218	-2212	+	7.05	TGGGGA

SFTA2	-2197	-2191	+	7.05	TGGGGA
SFTA2	-2176	-2170	+	7.05	TGGGGA
SFTA2	-2155	-2149	+	7.05	TGGGGA
SFTA2	-2134	-2128	+	7.05	TGGGGA
SFTA2	-2113	-2107	+	7.05	TGGGGA
SFTA2	-2092	-2086	+	7.05	TGGGGA
SFTA2	-1762	-1756	-	7.05	TCCCCA
SFTA2	-1737	-1731	-	7.05	TCCCCA
_GTF2H4	-2998	-2992	+	7.05	TGGGGA
_GTF2H4	-1923	-1917	-	7.05	TCCCCA
DAP	-2333	-2327	-	7.05	TCCCCA
CCT5	-2855	-2849	+	7.05	TGGGGA
CCT5	-2758	-2752	+	7.05	TGGGGA
CCT5	-2424	-2418	+	7.05	TGGGGA
FAM173B	-2961	-2955	-	7.05	TCCCCA
FAM173B	-2942	-2936	-	7.05	TCCCCA
FAM173B	-2838	-2832	-	7.05	TCCCCA
FAM173B	-2335	-2329	+	7.05	TGGGGA

2 MA0105.1 NFKB1 15.6269628514 0.757575756447 -2853:-2092
8.82183505816e-17

list of hits

LOC102151104	-2319	-2308	+	6.30	GGGGCTGCCCT
INPP5J	-2381	-2370	-	3.75	TGGGAACCCCTC
INPP5J	-2092	-2081	+	3.63	GGCGGTTCCTCC
SMTN	-2745	-2734	+	3.78	AGGGGTGTCCC
SMTN	-2562	-2551	+	3.71	TGGGCTTTCCC
CNTN3	-2832	-2821	-	2.99	GGGCCACTCCC
CNTN3	-2576	-2565	+	5.52	GGGGGT'TTGCC
PPP4R2	-2654	-2643	-	2.97	TGGGATCCCTC
PPP4R2	-2583	-2572	-	2.84	GGAGGACCCAC
SFTA2	-2847	-2836	+	3.16	GGGGAGACCCG
SFTA2	-2826	-2815	+	3.03	GGGGAGACTCC
SFTA2	-2805	-2794	+	3.03	GGGGAGACTCC
SFTA2	-2784	-2773	+	3.03	GGGGAGACTCC
SFTA2	-2763	-2752	+	3.16	GGGGAGACCCG
SFTA2	-2742	-2731	+	3.03	GGGGAGACTCC
SFTA2	-2721	-2710	+	3.16	GGGGAGACCCG
SFTA2	-2700	-2689	+	3.03	GGGGAGACTCC
SFTA2	-2679	-2668	+	3.16	GGGGAGACCCG
SFTA2	-2658	-2647	+	3.03	GGGGAGACTCC
SFTA2	-2616	-2605	+	3.03	GGGGAGACTCC
SFTA2	-2595	-2584	+	3.03	GGGGAGACTCC
SFTA2	-2574	-2563	+	3.16	GGGGAGACCCG
SFTA2	-2553	-2542	+	3.03	GGGGAGACTCC
SFTA2	-2532	-2521	+	3.16	GGGGAGACCCG
SFTA2	-2511	-2500	+	3.03	GGGGAGACTCC
SFTA2	-2490	-2479	+	3.16	GGGGAGACCCG
SFTA2	-2469	-2458	+	3.03	GGGGAGACTCC
SFTA2	-2427	-2416	+	3.03	GGGGAGACTCC
SFTA2	-2406	-2395	+	3.03	GGGGAGACTCC
SFTA2	-2385	-2374	+	3.16	GGGGAGACCCG
SFTA2	-2364	-2353	+	3.03	GGGGAGACTCC
SFTA2	-2343	-2332	+	3.16	GGGGAGACCCG
SFTA2	-2322	-2311	+	3.03	GGGGAGACTCC
SFTA2	-2280	-2269	+	3.03	GGGGAGACTCC
SFTA2	-2259	-2248	+	3.16	GGGGAGACCCG
SFTA2	-2238	-2227	+	3.03	GGGGAGACTCC
SFTA2	-2217	-2206	+	3.16	GGGGAGACCCG
SFTA2	-2196	-2185	+	3.03	GGGGAGACTCC
SFTA2	-2175	-2164	+	3.16	GGGGAGACCCG
SFTA2	-2154	-2143	+	3.03	GGGGAGACTCC
SFTA2	-2133	-2122	+	3.03	GGGGAGACTCC
SFTA2	-2112	-2101	+	3.03	GGGGAGACTCC
DAP	-2329	-2318	-	3.40	CAGAAATCCCC
CCT5	-2853	-2842	-	3.71	GGGAAAGCACC
CCT5	-2806	-2795	+	6.97	GGGGAGGCCCG
FAM173B	-2686	-2675	+	4.07	GGGGGT'TGCCA

3 MA0061.1 NF-kappaB 13.3447617922 0.621052631736 -2847:-2110
5.69947050142e-11

list of hits

LOC102151104	-2319	-2309	+	7.45	GGGGCTGCCC
SMTN	-2744	-2734	+	7.09	GGGGTGTTCC
SMTN	-2561	-2551	-	7.14	GGGCTTTTCC
PDZRN3	-2230	-2220	-	4.91	AGAAGGTCCC
SFTA2	-2847	-2837	+	5.01	GGGGAGACCC
SFTA2	-2824	-2814	-	5.73	GGAGACTCCC
SFTA2	-2803	-2793	-	5.73	GGAGACTCCC
SFTA2	-2782	-2772	-	5.73	GGAGACTCCC
SFTA2	-2763	-2753	+	5.01	GGGGAGACCC
SFTA2	-2740	-2730	-	5.73	GGAGACTCCC
SFTA2	-2721	-2711	+	5.01	GGGGAGACCC
SFTA2	-2698	-2688	-	5.73	GGAGACTCCC
SFTA2	-2679	-2669	+	5.01	GGGGAGACCC
SFTA2	-2656	-2646	-	5.73	GGAGACTCCC
SFTA2	-2614	-2604	-	5.73	GGAGACTCCC
SFTA2	-2593	-2583	-	5.73	GGAGACTCCC
SFTA2	-2574	-2564	+	5.01	GGGGAGACCC
SFTA2	-2551	-2541	-	5.73	GGAGACTCCC
SFTA2	-2532	-2522	+	5.01	GGGGAGACCC
SFTA2	-2509	-2499	-	5.73	GGAGACTCCC
SFTA2	-2490	-2480	+	5.01	GGGGAGACCC
SFTA2	-2467	-2457	-	5.73	GGAGACTCCC
SFTA2	-2425	-2415	-	5.73	GGAGACTCCC
SFTA2	-2404	-2394	-	5.73	GGAGACTCCC
SFTA2	-2385	-2375	+	5.01	GGGGAGACCC
SFTA2	-2362	-2352	-	5.73	GGAGACTCCC
SFTA2	-2343	-2333	+	5.01	GGGGAGACCC
SFTA2	-2320	-2310	-	5.73	GGAGACTCCC
SFTA2	-2278	-2268	-	5.73	GGAGACTCCC
SFTA2	-2259	-2249	+	5.01	GGGGAGACCC
SFTA2	-2236	-2226	-	5.73	GGAGACTCCC
SFTA2	-2217	-2207	+	5.01	GGGGAGACCC
SFTA2	-2194	-2184	-	5.73	GGAGACTCCC
SFTA2	-2175	-2165	+	5.01	GGGGAGACCC
SFTA2	-2152	-2142	-	5.73	GGAGACTCCC
SFTA2	-2131	-2121	-	5.73	GGAGACTCCC
SFTA2	-2110	-2100	-	5.73	GGAGACTCCC
DAP	-2517	-2507	-	5.06	GCAAAGTCCC
DAP	-2328	-2318	-	7.85	AGAAATCCCC
CCT5	-2806	-2796	+	5.66	GGGGAGGCCC

4 MA0107.1 RELA 14.7568335332 0.566666663438 -2852:-2110
4.58380391565e-07

list of hits

SELM	-2801	-2791	-	6.42	GGAAAACCAC
SMTN	-2562	-2552	+	9.00	TGGGCTTTTC
SMTN	-2527	-2517	-	4.43	GGGAAGCCAG
CNTN3	-2576	-2566	+	4.58	GGGGGTTTGC
PDZRN3	-2134	-2124	+	3.79	CAGACTTTTC
PPP4R2	-2545	-2535	+	3.94	TGGCCTTTTC
PPP4R2	-2342	-2332	-	4.71	GGAATCCCAG
VAR2	-2266	-2256	-	4.48	GGAAATCTCG
SFTA2	-2824	-2814	-	5.03	GGAGACTCCC
SFTA2	-2803	-2793	-	5.03	GGAGACTCCC
SFTA2	-2782	-2772	-	5.03	GGAGACTCCC
SFTA2	-2740	-2730	-	5.03	GGAGACTCCC
SFTA2	-2698	-2688	-	5.03	GGAGACTCCC
SFTA2	-2656	-2646	-	5.03	GGAGACTCCC
SFTA2	-2614	-2604	-	5.03	GGAGACTCCC
SFTA2	-2593	-2583	-	5.03	GGAGACTCCC
SFTA2	-2551	-2541	-	5.03	GGAGACTCCC
SFTA2	-2509	-2499	-	5.03	GGAGACTCCC
SFTA2	-2467	-2457	-	5.03	GGAGACTCCC
SFTA2	-2425	-2415	-	5.03	GGAGACTCCC
SFTA2	-2404	-2394	-	5.03	GGAGACTCCC
SFTA2	-2362	-2352	-	5.03	GGAGACTCCC

SFTA2	-2320	-2310	-	5.03	GGAGACTCCC
SFTA2	-2278	-2268	-	5.03	GGAGACTCCC
SFTA2	-2236	-2226	-	5.03	GGAGACTCCC
SFTA2	-2194	-2184	-	5.03	GGAGACTCCC
SFTA2	-2152	-2142	-	5.03	GGAGACTCCC
SFTA2	-2131	-2121	-	5.03	GGAGACTCCC
SFTA2	-2110	-2100	-	5.03	GGAGACTCCC
DAP	-2517	-2507	-	4.74	GCAAAGTCCC
DAP	-2328	-2318	-	5.49	AGAAATCCCC
CCT5	-2852	-2842	-	4.29	GGAAAGCACC
FAM173B	-2686	-2676	+	4.69	GGGGGTTCGC

5 MA0136.1 ELF5 8.69309550562 0.429292928841 -1166:-919
1.3954916116e-05

list of hits

INPP5J	-0969	-960	+	6.08	CACTTCCAT
INPP5J	-0924	-915	+	6.97	CACTTCCTC
OSBP2	-1151	-1142	-	6.12	AAGGATCTT
OSBP2	-1023	-1014	-	6.08	ATGGAAGTG
PDZRN3	-1158	-1149	-	6.82	AAGGAAAAA
PPP4R2	-1150	-1141	+	6.49	TCCTTCCTT
PPP4R2	-1093	-1084	+	6.48	ATCTTCCTT
PPP4R2	-0919	-910	+	6.21	GACTTCCTG
GXYLT2	-1008	-999	-	6.25	GAGGATGTG
VAR2	-1166	-1157	+	6.13	CATTTCCCTA
SFTA2	-1101	-1092	-	7.15	AAGGAAACA
_GTF2H4	-1115	-1106	+	6.03	CTTTTCCTT
ARL15	-1100	-1091	-	6.49	AAGGAAGGA
ARL15	-1060	-1051	-	6.51	CAGGAAACA
ARL15	-1019	-1010	-	6.37	ATGGAAGTT
CCT5	-0979	-970	+	6.31	ATTTTCCTT
CCT5	-0955	-946	+	7.05	CATATCCTT
CCT5	-0919	-910	-	6.48	AAGGAAGAT
FAM173B	-1093	-1084	+	6.98	TTCTTCCTT
FAM173B	-1084	-1075	-	6.59	AAGGATGCA

6 MA0081.1 SPIB 9.06007130057 0.466472323191 -2082:-1816
1.41313176681e-05

list of hits

LOC102151104	-2072	-2065	-	7.82	TTCCTCT
LOC102151104	-1832	-1825	-	7.28	TTCCTCA
INPP5J	-1921	-1914	-	6.60	TTCCCTT
SELM	-2082	-2075	+	7.28	TGAGGAA
SMTN	-2074	-2067	-	7.28	TTCTCTCA
OSBP2	-1940	-1933	-	6.55	TTCTCTGA
CNTN3	-1830	-1823	+	7.09	ACAGGAA
CNTN3	-1817	-1810	+	7.82	AGAGGAA
PPP4R2	-2010	-2003	-	7.82	TTCTCTCT
PPP4R2	-1974	-1967	-	7.82	TTCTCTCT
GXYLT2	-1985	-1978	+	6.60	AGGGGAA
GXYLT2	-1964	-1957	+	6.60	AGGGGAA
GXYLT2	-1888	-1881	+	6.55	TCAGGAA
_GTF2H4	-2014	-2007	-	6.55	TTCTCTGA
_GTF2H4	-1816	-1809	+	7.28	TGAGGAA
ARL15	-1834	-1827	-	6.60	TTCCCTT
DAP	-1832	-1825	+	6.60	AGGGGAA
CCT5	-2077	-2070	-	7.09	TTCTCTGT
CCT5	-2033	-2026	-	7.82	TTCTCTCT

7 MA0114.1 HNF4A 9.61741431707 0.522388060843 -2633:-2545
1.925686689e-05

list of hits

INPP5J	-2581	-2568	+	5.87	GAGCCAAAGGGCC
SELM	-2545	-2532	-	6.24	TGGTTTTTGGTCT
SMTN	-2627	-2614	-	6.89	AAAACTTTGCCCG
SMTN	-2604	-2591	+	9.80	AGGGCAAAGACCA
SMTN	-2574	-2561	-	5.72	TGACCCAGGCCT
PPP4R2	-2633	-2620	+	6.42	GGTCCAGAGCCCA
PPP4R2	-2552	-2539	-	6.57	TTCACTCTGGCCT

_GTF2H4	-2596	-2583	+	6.22	AGGTCATAGTCCC
_GTF2H4	-2573	-2560	-	6.05	TGGCCTTTGTAGC
ARL15	-2560	-2547	-	5.68	TGGCCTCTTTTCCT

8 MA0154.1 EBF1 11.5644748683 0.648000004888 -2625:-1923
2.12523767164e-05

list of hits

LOC102151104	-2178	-2168	+	6.13	CCTCCTGGGG
INPP5J	-2386	-2376	+	6.63	CTCCCTGGGA
INPP5J	-2155	-2145	-	5.68	CCCCCTGGAG
INPP5J	-2118	-2108	+	5.87	CCTCCGGAGA
INPP5J	-2102	-2092	+	6.70	TCTCCAGGGG
INPP5J	-2084	-2074	-	5.57	TCCCTGGCAG
SELM	-2087	-2077	-	6.07	TCTCCTGAGG
OSBP2	-2625	-2615	+	6.40	CCCCAAGAGG
OSBP2	-2545	-2535	+	8.04	ACCCAGAGA
OSBP2	-2019	-2009	+	5.88	CCACCTGGGA
CNTN3	-2581	-2571	+	7.03	ACTCAGGGGG
CNTN3	-2199	-2189	+	6.50	GCTCATGGGA
PDZRN3	-2462	-2452	-	6.64	TCCCCAAGGG
PPP4R2	-2338	-2328	-	7.78	TCCCAGGAGG
PPP4R2	-2273	-2263	+	6.84	CTCCAAGGGG
PPP4R2	-1972	-1962	+	7.70	CCTCTGGGGA
GXYLT2	-2546	-2536	-	8.19	CCCCTTGAGT
GXYLT2	-1990	-1980	+	6.01	ATTCCAGGGG
GXYLT2	-1968	-1958	+	6.24	TTCCAGGGGA
GXYLT2	-1926	-1916	+	6.41	ATCAAAGGGA
VAR2	-2491	-2481	+	5.40	GTTCCTAGGGA
VAR2	-2389	-2379	-	7.74	TCCCTTGTGG
SFTA2	-2608	-2598	-	6.60	TCCCTGAGAT
SFTA2	-2587	-2577	-	6.90	TCCCTGAGGC
SFTA2	-2419	-2409	-	6.60	TCCCTGAGAT
SFTA2	-2398	-2388	-	6.90	TCCCTGAGGC
SFTA2	-2146	-2136	-	6.60	TCCCTGAGAT
SFTA2	-2125	-2115	-	6.90	TCCCTGAGGC
_GTF2H4	-1923	-1913	-	6.55	TCCCCAGGAG
DAP	-2608	-2598	+	8.18	ACCACAGGGA
DAP	-2415	-2405	-	6.29	CCCCTTGTGT
DAP	-2268	-2258	-	6.05	CCCCTAGGAG
CCT5	-2512	-2502	-	5.89	TCCCTAAAGA
FAM173B	-2364	-2354	+	6.89	CCCCAGGAGA
FAM173B	-1956	-1946	-	5.39	TCCCTTTAAG

9 MA0144.1 Stat3 13.6006727062 0.505057099889 -2251:-1562
2.88021019304e-05

list of hits

LOC102151104	-1715	-1705	-	6.18	CTTCCTAGGA
LOC102151104	-1674	-1664	-	4.87	CTTCCCGTGA
LOC102151104	-1624	-1614	-	7.13	CTTCCTGACA
LOC102151104	-1562	-1552	-	7.47	ATTCTGCGCA
INPP5J	-2245	-2235	-	7.67	CTTCCTGGCC
INPP5J	-2208	-2198	-	7.01	TTTCCAGGAG
INPP5J	-2085	-2075	-	6.48	CTCCCTGGCA
INPP5J	-1562	-1552	+	6.58	TGACGGGAAA
SELM	-2234	-2224	-	5.60	CTTCTAGGCA
SMTN	-2135	-2125	-	7.76	CTGCCAGGAA
SMTN	-1840	-1830	-	5.25	CTTCCTGGGC
SMTN	-1624	-1614	+	5.62	TTACAGTAAG
OSBP2	-2109	-2099	-	4.62	CTTCCAAGCC
OSBP2	-1951	-1941	-	5.03	CTTCCTAACA
OSBP2	-1941	-1931	-	5.11	CTTCCTGAAG
OSBP2	-1601	-1591	+	4.99	CCCAGGAAG
PDZRN3	-2208	-2198	+	5.34	TTCTAGGAGG
PDZRN3	-1804	-1794	-	7.47	ATTCTTGGCA
PPP4R2	-1565	-1555	-	7.31	CTTACAGGAA
VAR2	-1742	-1732	+	4.97	TTACAGAAAAG
SFTA2	-1863	-1853	-	6.00	TTTCCAGGCC
SFTA2	-1707	-1697	+	8.28	TCCCAGGAAG
SFTA2	-1637	-1627	-	6.07	CTTCCCAGAC

_GTF2H4	-2214	-2204	+	6.75	AGCCAGGAAA
_GTF2H4	-2015	-2005	-	5.11	CTTCCTGAAG
_GTF2H4	-2001	-1991	-	7.85	GTTCCAGGAA
_GTF2H4	-1936	-1926	-	7.73	CTTCAGGAG
ARL15	-1992	-1982	-	6.98	TTTCCTTGAA
ARL15	-1698	-1688	+	6.03	TTCATGGAAA
DAP	-2251	-2241	+	4.86	GGCTAGGAAA
DAP	-2020	-2010	-	5.39	CTTTCAGGCA
CCT5	-2078	-2068	-	4.92	TTTCCTGTGA
FAM173B	-1595	-1585	-	7.35	TTTCCTGTCA

10 MA0133.1 BRCA1 5.26063524804 0.528239204415 -1431:-666
3.64914061249e-05

list of hits

LOC102151104	-1021	-1014	+	6.30	ACAACAC
INPP5J	-0673	-666	-	5.61	CTGTTGG
INPP5J	-0666	-659	+	5.61	CCAACAG
SMTN	-0932	-925	-	5.62	CGGTTGT
SMTN	-0706	-699	-	6.30	GTGTTGT
OSBP2	-1431	-1424	+	5.92	ACAACAG
OSBP2	-1192	-1185	+	5.92	ACAACAG
OSBP2	-1055	-1048	-	5.92	CTGTTGT
CNTN3	-0794	-787	+	5.61	CCAACAG
CNTN3	-0705	-698	+	5.61	CCAACAG
PDZRN3	-1344	-1337	+	5.99	CCAACAC
PDZRN3	-1220	-1213	-	5.90	GTGTTGC
PPP4R2	-0872	-865	+	5.62	ACAACCG
GXYLT2	-1413	-1406	+	6.00	ACAACCC
GXYLT2	-1338	-1331	-	6.00	GGGTTGT
GXYLT2	-0884	-877	-	6.00	GGGTTGT
VAR2	-1319	-1312	+	5.92	ACAACAG
VAR2	-1289	-1282	+	5.92	ACAACAG
VAR2	-1025	-1018	-	6.00	GGGTTGT
VAR2	-0966	-959	-	5.90	GTGTTGC
SFTA2	-1118	-1111	-	6.00	GGGTTGT
ARL15	-1066	-1059	+	5.69	CCAACCC
DAP	-0808	-801	-	6.30	GTGTTGT
CCT5	-1248	-1241	+	6.00	ACAACCC
CCT5	-0731	-724	+	5.69	CCAACCC
FAM173B	-0858	-851	+	6.30	ACAACAC

11 MA0095.1 YY1 8.10118848971 0.509803925951 -1115:-909
4.13334442794e-05

list of hits

INPP5J	-1115	-1109	+	6.42	ACCATC
INPP5J	-1109	-1103	+	6.42	ACCATC
INPP5J	-1049	-1043	+	6.42	ACCATC
INPP5J	-1030	-1024	+	6.42	ACCATC
INPP5J	-1000	-994	+	6.42	ACCATC
INPP5J	-0988	-982	+	6.42	ACCATC
INPP5J	-0909	-903	+	6.42	ACCATC
OSBP2	-0925	-919	-	6.42	GATGGT
VAR2	-0992	-986	+	6.58	GCCATC
VAR2	-0954	-948	+	6.42	ACCATC
DAP	-1024	-1018	-	6.42	GATGGT
CCT5	-0932	-926	+	6.42	ACCATC

12 MA0014.1 Pax5 12.4319606142 0.575000002235 -2812:-2490
5.48442454772e-05

list of hits

LOC102151104	-2616	-2596	-	5.51	TTTTCACTCTTCACATTTTA
INPP5J	-2717	-2697	+	6.84	AGCGAAAGGAAGGAGGACAG
INPP5J	-2683	-2663	-	5.02	TTGCCATCCACAGATGCCTC
INPP5J	-2493	-2473	-	7.59	CCTCTCTGCTTCCCAGGGCA
OSBP2	-2806	-2786	-	5.32	CTTCTCCCCCTCCAAGAACCA
OSBP2	-2619	-2599	+	5.57	GAGGAAGTGCAGAGAGGCCT
OSBP2	-2548	-2528	+	5.59	GGCACCCAGAGAGGGGCAG
CNTN3	-2588	-2568	-	5.56	TTGTCACTCAGGGGGTTT
PPP4R2	-2790	-2770	+	5.97	TGTCTATTGCTGTGTAACAA

PPP4R2	-2680	-2660	-	5.05	TGGTCCCTCCAAGGGGCCCCG
VAR2	-2704	-2684	+	5.29	GAATGAACAAAGAAGGACCA
_GTF2H4	-2812	-2792	-	5.08	CTGCTCCTCTCTGGTTTGT
_GTF2H4	-2631	-2611	-	8.48	CTTTTATGCTCCGCTGGCCT
_GTF2H4	-2503	-2483	-	5.34	TTGTCCCTCAGCAGTCTTCC
DAP	-2755	-2735	-	5.41	TTGTACACTTGGCCACACT
DAP	-2490	-2470	-	5.99	CTGCTCTGCCACCATTTGTCA
FAM173B	-2617	-2597	+	6.91	GGGCCGCTGAAGTGGAGCAT

13 MA0122.1 Nkx3-2 8.54224970754 0.462962961859 -452:-264
5.88545819185e-05

list of hits

LOC102151104	-0266	-257	+	7.13	TTGAGTGGG
SMTN	-0452	-443	-	6.74	GTCACCTAG
SMTN	-0264	-255	-	7.28	GCCACTTAC
PPP4R2	-0381	-372	-	6.66	CTCACTTAA
GXYLT2	-0435	-426	+	6.33	GTGAGTGGG
GXYLT2	-0356	-347	+	6.11	TGGAGTGGG
GXYLT2	-0344	-335	+	6.44	GTAAGTGAA
GXYLT2	-0303	-294	+	6.44	CGGAGTGGG
VAR2	-0402	-393	+	6.29	GCAAGTGGG
SFTA2	-0430	-421	+	6.53	CTGAGTGCC
CCT5	-0310	-301	+	6.51	GGAAGTGGG
FAM173B	-0323	-314	-	7.09	TCCACTTGA

14 MA0155.1 INSM1 14.8617070481 0.666666670392 -2165:-1951
8.86960308607e-05

list of hits

INPP5J	-2165	-2153	-	4.88	CACCCCTCACC
INPP5J	-2087	-2075	-	4.79	TTCTCCCTGGCA
INPP5J	-1972	-1960	-	4.30	CGCCCTGCTC
SMTN	-2141	-2129	-	4.69	GTCCCTGCCA
OSBP2	-2158	-2146	+	7.26	GGCCAGGGGCT
CNTN3	-1951	-1939	+	8.98	TTTCTGGGGGAA
GXYLT2	-2109	-2097	+	5.00	ATTTTGGGGGTA
GXYLT2	-1989	-1977	+	3.60	TTCCAGGGGAAA
GXYLT2	-1968	-1956	+	3.78	TTCCAGGGGAAG
VAR2	-2094	-2082	+	5.99	GGGTGGGGGAA
VAR2	-1996	-1984	+	7.76	GGGCTGGGGGAG
_GTF2H4	-2140	-2128	+	4.32	TGCCCTGAGGGAG
_GTF2H4	-2066	-2054	+	5.34	TGTCAGGGAGCT
_GTF2H4	-1956	-1944	-	3.92	TGCCCTCATCCA
CCT5	-1974	-1962	+	3.89	TGCCAGGGATCT
FAM173B	-2127	-2115	+	7.04	GTCTGGGGCCA

15 MA0057.1 MZF1_5-13 9.40029161122 0.5875 70:259 9.71047928849e-05

list of hits

LOC102151104	+0079	89	-	6.01	CCCCCTCT
INPP5J	+0189	199	-	6.11	ATGCCCCCTC
SELM	+0259	269	-	6.68	CCACCTCA
PPP4R2	+0116	126	+	8.83	GGAGGGGAG
PPP4R2	+0177	187	+	6.91	GGAGGCGGAG
PPP4R2	+0256	266	-	7.24	GCCCCCTCC
VAR2	+0163	173	+	6.16	GGAGTGGGAG
SFTA2	+0079	89	-	7.64	TCTCCCTAC
SFTA2	+0156	166	-	8.55	TTTCCCTCC
_GTF2H4	+0070	80	-	6.14	CTCCCCATCT
_GTF2H4	+0103	113	-	6.64	TTTCCCTAT
_GTF2H4	+0174	184	+	8.06	CGAGGGGGGA
_GTF2H4	+0191	201	+	6.16	GGAGTGGTAA
_GTF2H4	+0213	223	+	6.92	AGAGGGGAG
DAP	+0137	147	+	7.31	CGAGGGGAAG
DAP	+0246	256	+	6.16	GGCGGGGAG
CCT5	+0225	235	+	6.40	TGAGGGGAGG
FAM173B	+0132	142	+	6.16	GGAGTGGGAG