

ANNEX 11 - Transcription factors identified from differentially expressed protein genes for number of teats (group 12), through an input file in Fasta format

;TFM Explorer

;Date : Mon Nov 8 18:16:49 2021

;Scanned location : -3000:300

;Scanned sequences : None (6 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 MA0063.1 Nkx2-5 8.26972553332 0.218487398433 -1479:-1196 3.18986778831e-06

list of hits

ALDH6A1 -1383 -1376 + 6.75 ATAAGTG

ALDH6A1 -1237 -1230 - 7.00 CACTTAA

ALK -1479 -1472 - 6.06 AAATTAA

ALK -1366 -1359 + 7.35 TTAATTG

EIF2B2 -1253 -1246 + 6.18 TCAATTG

EIF2B2 -1214 -1207 + 6.35 TTAATAG

HEATR4 -1367 -1360 + 7.35 TTAATTG

HEATR4 -1278 -1271 + 6.10 ATAATAG

LTBP2 -1332 -1325 + 6.18 TCAATTG

YLPM1 -1415 -1408 + 7.00 TTAAGTG

YLPM1 -1231 -1224 - 6.06 AAATTAA

YLPM1 -1196 -1189 + 7.35 TTAATTG

2 MA0152.1 NFATC2 9.85861508532 0.346153842592 -310:208 2.61561935199e-05

list of hits

ALDH6A1 +0198 205 + 5.76 CTTTCCA

ALK -0310 -303 + 5.86 TTTTCCG

ALK	-0257	-250	+	6.37	TCTTCCA
EIF2B2	-0293	-286	-	5.86	CGGAAAA
EIF2B2	-0274	-267	+	8.69	TTTTCCA
EIF2B2	-0227	-220	+	6.42	GTTTCCA
EIF2B2	-0153	-146	-	6.92	GGGAAAA
HEATR4	-0055	-48	+	6.81	ATTTCCA
HEATR4	-0026	-19	+	6.92	TTTTCCC
HEATR4	+0036	43	-	8.69	TGGAAAA
HEATR4	+0073	80	-	5.86	CGGAAAA
HEATR4	+0103	110	+	6.81	ATTTCCA
HEATR4	+0189	196	+	6.42	GTTTCCA
HEATR4	+0208	215	+	6.37	TCTTCCA
LTBP2	-0300	-293	+	6.37	TCTTCCA
LTBP2	-0288	-281	+	7.20	TTTTCCT
LTBP2	+0005	12	-	7.20	AGGAAAA
YLPM1	-0219	-212	+	8.69	TTTTCCA

3 MA0099.2 AP1 9.19332537395 0.404761908842 -516:-331 7.09364602524e-05

list of hits

ALK	-0516	-509	+	6.81	TGACACA
ALK	-0495	-488	-	6.74	TGAGTAA
ALK	-0480	-473	+	6.74	TGACTGA
ALK	-0449	-442	+	5.87	TGAATGA
EIF2B2	-0331	-324	-	6.81	TGTGTCA
HEATR4	-0472	-465	+	6.81	TGACACA
YLPM1	-0419	-412	-	5.87	TCATTCA
YLPM1	-0358	-351	+	8.34	TGACTCA

4 MA0148.1 FOXA1 12.5328023695 0.332119902252 -2960:-1931 9.85784464366e-05

list of hits

ALDH6A1	-2882	-2871	-	7.61	ATGTGCAAATA
ALDH6A1	-2772	-2761	-	5.85	AAAATCAAACA
ALDH6A1	-2742	-2731	-	5.20	ATATAAAAACA
ALDH6A1	-2539	-2528	-	5.15	ATATGTATACA
ALK	-2945	-2934	+	6.08	TATTGGCACAG
ALK	-2289	-2278	+	5.79	TGTCTGCTCTT

ALK	-1941	-1930	+	7.03	TATTTACACAA
EIF2B2	-2960	-2949	-	6.11	AAAATTAAACA
EIF2B2	-2935	-2924	-	5.53	GATTGTAAATA
EIF2B2	-2906	-2895	-	9.86	TAAAGTAAACA
EIF2B2	-2826	-2815	-	6.83	AAGAGCACACA
EIF2B2	-2750	-2739	-	5.69	CAAAATACACA
EIF2B2	-2619	-2608	-	5.65	ATAAGTAACCA
EIF2B2	-2363	-2352	-	6.45	AAAAATAAATA
EIF2B2	-2351	-2340	-	6.21	ATAAATAAATA
EIF2B2	-2277	-2266	+	5.28	TTTTTGCTTTA
EIF2B2	-2187	-2176	+	6.32	TATTTTCTTTT
EIF2B2	-2088	-2077	-	5.32	AAATGCTAACA
EIF2B2	-1994	-1983	+	5.57	TGTTTTCAATT
EIF2B2	-1931	-1920	+	9.17	TGTTGACTTTG
HEATR4	-2697	-2686	-	6.12	AAAAGCAAAAA
LTBP2	-2368	-2357	-	6.42	AAATGCACACA
LTBP2	-2184	-2173	+	7.38	TGTTTTCACAT
LTBP2	-2006	-1995	-	5.37	CAATGCAAACC
YLPM1	-2708	-2697	-	9.28	CAAAGCAAATA
YLPM1	-2476	-2465	-	6.53	TTATACAAACA
YLPM1	-2278	-2267	-	6.87	GTGTGAAAACA
YLPM1	-2152	-2141	-	6.35	CTGTATAAATA
YLPM1	-2042	-2031	-	5.92	TTTGGTAAACA