

**ANNEX 13** - Transcription factors identified from differentially expressed protein genes for number of teats (group 14), through an input file in Fasta format

;TFM Explorer

;Date : Mon Nov 8 18:59:19 2021

;Scanned location : -3000:300

;Scanned sequences : None (3 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 MA0109.1 Hlrf 7.46926527425 0.397046551108 -2116:-1769 2.57080903079e-06

list of hits

DPF3	-2109	-2099	+	6.05	TAAC TTTTAT
DPF3	-2087	-2077	-	6.03	ATAAAAGGTG
DPF3	-2025	-2015	-	6.00	ACAAAAGGAA
DPF3	-1989	-1979	-	6.32	TTATAAGTTT
DPF3	-1953	-1943	-	5.73	TTAAATGTTT
HEATR4		-2116	-2106	+	6.40 AACCATATCT
HEATR4		-2030	-2020	-	6.16 AAATAAGGTT
HEATR4		-1769	-1759	+	6.42 AACCTTTTGT
YLPM1	-2082	-2072	-	5.63	TTATAAGTAG
YLPM1	-2030	-2020	-	5.63	AAATATGGAT
YLPM1	-1849	-1839	+	5.61	GTCCATTTCT
YLPM1	-1790	-1780	+	6.35	TACCTTATAA

2 MA0151.1 ARID3A 9.89631870174 0.0617283971313 -2049:-1115 2.5871724262e-06

list of hits

DPF3	-2049	-2043	+	7.51	ATTAAA
DPF3	-1934	-1928	+	7.51	ATTAAA
DPF3	-1813	-1807	-	7.51	TTTAAT
DPF3	-1678	-1672	-	7.51	TTTAAT
DPF3	-1597	-1591	-	7.51	TTTAAT

		DPF3	-1514	-1508	-	7.51	TTTAAT		
		DPF3	-1171	-1165	+	7.51	ATTAAA		
		HEATR4		-1368	-1362	-	7.51	TTTAAT	
		HEATR4		-1115	-1109	+	7.51	ATTAAA	
		YLPM1	-1555	-1549	+	7.51	ATTAAA		
		YLPM1	-1367	-1361	+	7.51	ATTAAA		
		YLPM1	-1197	-1191	-	7.51	TTTAAT		
		YLPM1	-1184	-1178	+	7.51	ATTAAA		
		YLPM1	-1150	-1144	+	7.51	ATTAAA		
3	MA0101.1	REL	10.514792431	0.558823538572	-2977:-2411	6.68990833884e-06			
		list of hits							
		DPF3	-2977	-2967	-	5.99	GGAACCTCCA		
		DPF3	-2802	-2792	+	8.84	TGGGAATTCC		
		DPF3	-2642	-2632	+	7.37	GGGAACCTCC		
		DPF3	-2411	-2401	+	6.17	GGTGGATTCC		
		HEATR4		-2931	-2921	+	7.95	GGGGAGTTCC	
		HEATR4		-2728	-2718	-	5.99	GGAACCTCCA	
		HEATR4		-2612	-2602	+	6.68	TGGAAGTTCC	
		HEATR4		-2417	-2407	+	7.37	GGGAACCTCC	
		YLPM1	-2519	-2509	-	6.21	TGAAATTCCA		
		YLPM1	-2414	-2404	-	6.73	GAAATACCC		
4	MA0104.2	Mycn	11.1040870395	0.698630136997	-2758:-2618	4.49094477853e-05			
		list of hits							
		DPF3	-2758	-2748	+	5.69	TGCACGAGGA		
		HEATR4		-2722	-2712	-	5.69	TCCATGTGCC	
		HEATR4		-2618	-2608	+	5.37	AGCATGTGGA	
		YLPM1	-2686	-2676	+	8.80	ATCACGTGGC		
5	MA0036.1	GATA2	5.68777361321	0.403773584962	-1601:-1117	6.5773406893e-05			
		list of hits							
		DPF3	-1497	-1492	+	4.95	GGATA		
		DPF3	-1158	-1153	+	4.95	GGATA		
		HEATR4		-1564	-1559	+	4.95	GGATA	
		HEATR4		-1119	-1114	+	4.95	GGATA	
		YLPM1	-1601	-1596	+	4.95	GGATA		
		YLPM1	-1500	-1495	+	4.95	GGATA		
		YLPM1	-1374	-1369	+	4.95	GGATA		

YLPM1 -1311	-1306	+	4.95	GGATA
YLPM1 -1117	-1112	+	4.95	GGATA