

**ANNEX 01** - Transcription factors identified from differentially expressed protein genes for litter size (group 1), through an input file in Fasta format  
TFM Explorer

; TFM Explorer

; Date : Mon Nova 8 18:25:35 2021

; Scanned location: -3000:300

; Scanned sequences: None (4 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 MA0124.1 NKX3-111.1268615571 0.178571427507 -2814:-1974 1.56114598277e-05

list of hits

ACP3	-2726	-2719	-	6.07	TAAGTGT
DNAJC13		-2814	-2807	+	6.07 ATACTAA
DNAJC13		-2757	-2750	-	7.51 TAAGTAC
DNAJC13		-2531	-2524	+	6.07 ATACTAA
DNAJC13		-2213	-2206	+	6.07 ATATTTA
DNAJC13		-2084	-2077	-	6.07 CAAGTAT
DNAJC13		-1974	-1967	+	6.07 ATACATA
EDRF1	-2360	-2353	-	7.51	TAAGTAC
EDRF1	-2206	-2199	-	6.07	TATGTAT
EDRF1	-2194	-2187	-	6.07	TATGTAT
ITGA11	-2803	-2796	-	6.07	TTAGTAT
ITGA11	-2457	-2450	+	7.51	GTACTTA
ITGA11	-2270	-2263	-	6.07	TAAATAT
ITGA11	-2261	-2254	-	6.07	TATGTAT
ITGA11	-2253	-2246	-	6.07	TATGTAT
ITGA11	-2041	-2034	-	6.07	TAAATAT

2	MA0036.1	GATA2	5.68777361321	0.403773584962	-1425:-1256	1.87532098907e-05
		list of hits				
		DNAJC13	-1391	-1386	-	4.95 TATCC
		DNAJC13	-1325	-1320	-	4.95 TATCC
		DNAJC13	-1305	-1300	+	4.95 GGATA
		EDRF1	-1425	-1420	+	4.95 GGATA
		EDRF1	-1272	-1267	-	4.95 TATCC
		EDRF1	-1264	-1259	-	4.95 TATCC
		EDRF1	-1256	-1251	-	4.95 TATCC
3	MA0162.1	Egr1	14.4555832005	0.739393945445	-294:-256	4.36055511935e-05
		list of hits				
		DNAJC13	-0271	-260	-	7.00 CCTCCCACACC
		EDRF1	-0277	-266	-	6.79 ACACCTACGGG
		EDRF1	-0256	-245	-	4.74 CCGCCGACACA
		ITGA11	-0294	-283	+	7.00 GGTGTGGGAGG
		ITGA11	-0282	-271	+	5.43 GCCGGGGGTGG
4	MA0041.1	Foxd3	12.944828444	0.223404252126	-2685:-2238	9.63135888551e-05
		list of hits				
		ACP3	-2681	-2669	-	5.84 AATAAAATGATT
		ACP3	-2641	-2629	-	8.17 AATAAAATAATT
		ACP3	-2555	-2543	+	9.41 ATATGTTTATTC
		ACP3	-2541	-2529	+	5.87 GAATGATTTTTT
		ACP3	-2506	-2494	+	10.21 GTTTATTTATTT
		ACP3	-2494	-2482	+	9.20 ATTTATTTTTTT
		ACP3	-2475	-2463	+	6.36 TTTTGTGTTGT
		DNAJC13	-2365	-2353	+	6.23 CATTTTTTTTTT
		EDRF1	-2685	-2673	-	6.10 AATTAAAAAAAC
		EDRF1	-2241	-2229	-	5.65 AAAACAACAGAA
		ITGA11	-2659	-2647	-	5.93 GGATAAACAAAA
		ITGA11	-2627	-2615	+	6.16 GAATGTTTTTTG
		ITGA11	-2533	-2521	-	5.60 AAATCTACATAT
		ITGA11	-2410	-2398	+	7.16 ATTAGTTTGT
		ITGA11	-2289	-2277	-	5.23 AGTAAAATAATT

ITGA11 -2277	-2265	-	9.35	AAATAAAATAAAT
ITGA11 -2254	-2242	+	5.73	GTATGTATGTGT
ITGA11 -2238	-2226	+	5.32	GATTGTTGTAAT