

ANNEX 07 - Transcription factors identified from differentially expressed protein genes for number of teats (group 8), through an input file in Fasta format;
TFM Explorer

```
;Date      : Mon Nov  8 18:06:05 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  MA0070.1      PBX1  14.6408950838  0.310185187496 -2049:-1603      2.4622060951e-06
```

list of hits

```
FGF1  -2049  -2037  -      6.13  ATGGATGGATGC
FGF1  -2037  -2025  -      7.22  ATGGATGGATGG
FGF1  -2025  -2013  -      5.95  ATGGATGGATAA
FGF1  -2006  -1994  +      4.45  TGATCAGTCAAC
FGF1  -1811  -1799  +      5.26  GCATCATTCTTT
LOC102166306 -1973  -1961  +      5.08  AAAACCATCATT
LOC102166306 -1869  -1857  +      5.36  AGCTCCATCATA
LOC102166306 -1646  -1634  +      6.97  GTGTCAATCATT
LOC102166306 -1603  -1591  -      7.19  TATGAATGATTC
SPRY4  -1943  -1931  -      4.86  CTTGAATGACTT
TRIL   -1765  -1753  +      6.17  TCATCATTCTTT
UBAP2  -1810  -1798  -      6.29  TTGGATTGTTTA
UBAP2  -1729  -1717  +      4.71  CCCTCAATCACA
```

```
2  MA0144.1      Stat3  13.6006727062  0.505057099889 -312:-257      3.55464438612e-05
```

list of hits

```
CPVL  -0257  -247  -      5.54  CATCCAGGAA
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FGF1	-0279	-269	-	5.16	CTTCCTGAAT
LOC102166306	-0307	-297	-	7.24	TTTCCCGGAT
LOC102166306	-0259	-249	-	6.15	TTTCTAGGAA
TRIL	-0312	-302	+	5.76	TGCCAGGGAA
UBAP2	-0286	-276	-	5.35	CTGCCTAGCA

3 MA0157.1 FOXO3 11.7336527921 0.298076925799 -1261:-220 5.08098137029e-05

list of hits

CPVL	-0532	-524	-	6.76	TATTTACC
CPVL	-0220	-212	+	6.52	GCAAAACA
FGF1	-1261	-1253	+	5.66	GGAACACA
FGF1	-0764	-756	-	5.85	TGTTTTTC
FGF1	-0744	-736	+	8.59	TGAAAACA
FGF1	-0442	-434	+	7.04	GGGAAACA
FGF1	-0245	-237	+	5.05	TGGAAATA
LOC102166306	-1244	-1236	-	5.85	TGTTTTTC
LOC102166306	-1052	-1044	-	7.51	TGTTTCCA
LOC102166306	-0309	-301	-	7.04	TGTTTCCC
LOC102166306	-0243	-235	-	6.76	TATTTACC
LOC102166306	-0230	-222	-	6.94	TGTTTATC
SPRY4	-0757	-749	+	7.04	GGGAAACA
SPRY4	-0518	-510	+	9.21	GGTAAACA
TRIL	-1232	-1224	+	7.22	TGTACACA
TRIL	-0949	-941	-	5.66	TGTGTTCC
TRIL	-0839	-831	-	5.91	TGTTTCGA
TRIL	-0722	-714	-	6.31	TGTTTTTA
UBAP2	-1243	-1235	+	5.63	TCTACACA
UBAP2	-1168	-1160	+	5.85	GAAAAACA
UBAP2	-1159	-1151	-	5.66	AGTTTTCC
UBAP2	-1120	-1112	-	6.52	TGTTTTGC
UBAP2	-0978	-970	+	6.13	TGAAAATA
UBAP2	-0390	-382	-	8.12	TGTTTTCC

4 MA0114.1 HNF4A 9.61741431707 0.522388060843 -2498:-1974 7.16894212838e-05

list of hits

CPVL	-2377	-2364	+	6.91	AGGCCAAAGGGGC
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CPVL	-2276	-2263	+	8.59	AGGGCTAAGTCCA
CPVL	-2260	-2247	-	8.83	TGCCCCCTTGCCCC
CPVL	-2231	-2218	-	5.81	CGAACCTTGTTCT
CPVL	-2172	-2159	+	5.72	GCTTCAAAGGCCT
FGF1	-2286	-2273	+	6.54	TGTGCAAAGGCAA
FGF1	-2203	-2190	-	6.51	TGGCCTTTCTTCC
FGF1	-1974	-1961	-	6.31	GAGTCTTTGCCCC
LOC102166306	-2498	-2485	-	5.89	TGGATTCTGCTCT
LOC102166306	-2369	-2356	+	5.92	GTGCCAGAGGACA
LOC102166306	-2033	-2020	-	7.47	TGAACTCTGTTCC
SPRY4	-2008	-1995	+	5.99	TGAGCAAAGCCCA
TRIL	-2468	-2455	+	6.33	AGTCCAAACTCCT
TRIL	-2179	-2166	-	5.81	TGACCTCTGCTGC

5 MA0041.1 Foxd3 12.944828444 0.223404252126 -191:75 7.51786299899e-05

list of hits

CPVL	-0106	-94	-	5.30	GAAAAAAAAAAAA
CPVL	-0079	-67	-	4.11	GAACGAACAAAT
CPVL	-0034	-22	+	4.08	GCTTATTTTCTC
FGF1	-0041	-29	-	4.64	AAAAATAAAATC
LOC102166306	-0191	-179	-	5.93	GAAAAAACAAGG
LOC102166306	-0127	-115	+	4.27	AAATATTTCTTC
LOC102166306	-0100	-88	+	4.06	TTTAATTTTCTC
LOC102166306	-0069	-57	-	10.83	AAAAAAATATTC
LOC102166306	-0006	6	+	4.54	GATTCTTTAATT
LOC102166306	+0054	66	+	4.73	GACTGTAGATC
LOC102166306	+0075	87	+	6.25	TCTTGTTTCTT
SPRY4	-0191	-179	-	4.80	AAGAAAAAAAAA

6 MA0144.1 Stat3 13.6006727062 0.505057099889 -2285:-1960 8.19227933423e-05

list of hits

CPVL	-2237	-2227	-	5.84	CTTCCCCGAA
FGF1	-2195	-2185	-	5.04	CTTCCTGGGT
LOC102166306	-2285	-2275	-	4.71	TTGCCTGGAG
LOC102166306	-2182	-2172	+	4.77	ATGCAGGAAG
SPRY4	-2164	-2154	-	7.45	CTTCCAGAAA

SPRY4	-1984	-1974	+	5.08	TGGCTGGAAA
SPRY4	-1960	-1950	-	6.75	TTTCCTGGCT
TRIL	-2250	-2240	-	7.56	CTTCCAGGTA
TRIL	-2197	-2187	-	6.21	TTTCCCTGAA
TRIL	-2169	-2159	+	5.58	TGCCAGCAAG
UBAP2	-1979	-1969	-	5.80	TTTCCAGGCT

7 MA0153.1 HNF1B 16.8212281893 0.22222222512 -782:-601 8.53644851623e-05

list of hits

CPVL	-0605	-593	-	2.56	GTTAGGTATTAA
FGF1	-0782	-770	-	5.16	ATCAACCATGGA
FGF1	-0725	-713	+	4.71	TCAATAATTTAT
LOC102166306	-0601	-589	-	3.83	GTAAACCACTGC
UBAP2	-0767	-755	-	3.41	ATAAACCATTAG
UBAP2	-0709	-697	-	4.59	ATTCATTATTAG
UBAP2	-0663	-651	-	4.23	GTAAACAACCTGA