

ANNEX 06 - Transcription factors identified from differentially expressed protein genes for number of teats (group 7), through an input file in Fasta format

;TFM Explorer

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;Date      : Mon Nov  8 18:42:34 2021
;Scanned location  : -3000:300
;Scanned sequences : None (9 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
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1  MA0073.1      RREB1 22.2782724461 0.622727277604 -1213:-931      5.03394377846e-06
    list of hits
    GCLC -1198 -1178 -      -0.66 ACAGGTCTAGTGAGGTGGTG
    GCLC -1076 -1056 +      0.06 CACCATTACATCCCCACCCA
    GCLC -1055 -1035 +      4.01 ACTCCAGACACACCCCCACA
    GCLC -1034 -1014 +     -0.59 ACACTCCAGACACCCCCCAA
    GCLC -1013 -993  +     -2.28 ACTCCAAACATACATACACA
    GCLC -0992 -972  +      0.83 CCACCCACACTCCAGACAC
    GCLC -0972 -952  +     -0.63 ACACACACACACACACACAC
    GCLC -0951 -931  +     -0.58 CACACACACAGACAAACACA
    NMU  -1213 -1193 -     -1.40 CCTTGAGTATGGGTTTGGGG
    RAP1GAP2 -1163 -1143 -     -0.37 CCTTATTTGGGGCGGGGGGG
    RAP1GAP2 -1039 -1019 +      0.55 CTACACCACAGCCACAGCAA
    SLC25A35 -1169 -1149 -      2.37 ACAGTGAGGCTGGGGTGGGG
    SLC25A35 -1140 -1120 -     -1.84 ACCCAGGTTGAGGGGTGGGG
    SLC25A35 -1066 -1046 -     -0.53 CCAGATGGATTGTGTTTGGT
    SLC25A35 -1046 -1026 -      4.95 GTCCGTGGTGTGTGTTGTGG
    SLC25A35 -0952 -932  -     -1.86 GTGTTTCGGGAGTGTGTGTG
    SLC25A35 -0931 -911  -     -1.75 TGTGTGTGGGCATGCGGTGG
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TMEM165	-1084	-1064	-	-1.23	TGTAAGAGGAGGTGTTGGGG
YLPM1 -1133	-1113	-	-1.02	GTGGGATTTGTGAGTTGGAT	

2	MA0107.1	RELA	14.7568335332	0.566666663438	-2931:-2326	5.15417455075e-06
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list of hits

CLOCK -2367	-2357	+	4.20	TGGGATTTCT	
GCLC -2691	-2681	+	7.78	GTGGGTTTCC	
GCLC -2428	-2418	+	6.87	GTGATTTTCC	
GCLC -2326	-2316	+	3.67	GGGATTGTCC	
NMU -2880	-2870	+	4.88	CTGACATTCC	
NMU -2830	-2820	+	4.88	TGGGCATCCC	
NMU -2624	-2614	+	3.85	TGGAGGTTCC	
NMU -2469	-2459	-	7.67	GGGAACCTCCA	
ODF4 -2578	-2568	-	3.85	GGAACCTCCA	
ODF4 -2361	-2351	+	3.85	TGGAGGTTCC	
RAP1GAP2	-2899	-2889	-	3.85	GGAACCTCCA
RAP1GAP2	-2637	-2627	-	3.67	GGAGAATCCC
SLC25A35	-2931	-2921	+	4.54	CCGGATTTCC
SLC25A35	-2887	-2877	+	4.08	CAGAGTTTCC
SLC25A35	-2747	-2737	-	3.85	GGAACCTCCA
SLC25A35	-2649	-2639	+	7.39	TGGACATTCC
TMEM165	-2553	-2543	-	4.43	GGGAAGCCAG
TMEM165	-2449	-2439	+	3.94	TGGCCTTTCC
YLPM1 -2520	-2510	+	5.79	TTGAAATTCC	

3	MA0092.1	Hand1:Tcfe2a	10.1435823018	0.506896541268	-1684:-902	1.10427532767e-05
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list of hits

CLOCK -1677	-1667	-	7.35	GTTCCAGATG
CLOCK -1313	-1303	-	5.98	TTTCCAGAAT
EIF2B2 -1681	-1671	-	6.99	AAACCAGAAC
EIF2B2 -1114	-1104	+	7.90	GATCTGGTTT
EIF2B2 -1079	-1069	+	6.03	TATCTGCATT
EIF2B2 -1056	-1046	+	6.20	GGTCTGTAAT
EIF2B2 -1014	-1004	+	7.38	TGTCTGGATA
GCLC -1684	-1674	-	6.53	TTTCCAGAAA
GCLC -1055	-1045	-	7.34	ACTCCAGACA

GCLC	-1032	-1022	-	7.34	ACTCCAGACA
GCLC	-0983	-973	-	7.34	ACTCCAGACA
GCLC	-0920	-910	-	5.84	ATTACAGACA
ODF4	-1402	-1392	+	6.94	TATCTGGAGT
ODF4	-1220	-1210	+	7.69	TTTCTGGAAT
ODF4	-1183	-1173	+	5.96	TGACTGGTAT
RAP1GAP2		-0973	-963	-	6.71 ACACCAGATC
SLC25A35		-1561	-1551	+	8.48 AATCTGGCAT
SLC25A35		-1069	-1059	-	7.79 CTGCCAGATG
TMEM165		-1536	-1526	+	7.79 CATCTGGCAG
TMEM165		-1265	-1255	+	6.99 GTTCTGGTTT
TMEM165		-1175	-1165	-	6.52 ATGCCAAACC
YLPM1	-1522	-1512	+	7.57	CATCTGGAAA
YLPM1	-1455	-1445	-	9.39	ATGCCAGATC
YLPM1	-1347	-1337	+	7.79	CTTCTGGCTT
YLPM1	-0902	-892	+	6.34	GATCTGGGTT

4 MA0107.1 RELA 14.7568335332 0.5666666663438 -1600:-1043 1.14910506542e-05

list of hits

CLOCK	-1458	-1448	+	4.65	TGAAATTTCC
CLOCK	-1091	-1081	+	4.70	TAGAAATTTCC
EIF2B2	-1600	-1590	-	7.67	GGGAACTCCA
GCLC	-1166	-1156	-	3.79	GGAAGATCCC
NMU	-1181	-1171	+	4.65	TGTAATTTCC
NMU	-1093	-1083	-	3.67	GTAAAATCCC
ODF4	-1496	-1486	-	7.67	GGGAACTCCA
ODF4	-1217	-1207	+	5.62	CTGGAATTCC
ODF4	-1043	-1033	+	6.05	GGGAACTTCC
RAP1GAP2		-1395	-1385	+	3.85 TGGAGGTTCC
RAP1GAP2		-1172	-1162	+	4.65 TGGAATTTGC
RAP1GAP2		-1120	-1110	+	4.76 TGGAAGTTCC
RAP1GAP2		-1085	-1075	+	3.85 TGGAGGTTCC
SLC25A35		-1558	-1548	+	4.43 CTGGCATTCC
SLC25A35		-1455	-1445	-	4.58 GGAAACCTCC
SLC25A35		-1367	-1357	+	5.93 GGGAATCTCC
SLC25A35		-1104	-1094	+	3.87 GGGAAATTGC

TMEM165	-1502	-1492	-	6.07	GGGAATTCAG
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5	MA0156.1	FEV	12.1208832256	0.442307695746	-1355:-666	1.2759530622e-05
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list of hits

CLOCK	-1339	-1331	+	5.11	TGGGAAGT
CLOCK	-1087	-1079	-	5.26	ATTTCCCA
CLOCK	-0743	-735	+	5.65	AAGGATAT
EIF2B2	-1330	-1322	-	5.79	ACTTCCCT
EIF2B2	-0857	-849	+	8.11	AAGGAAAT
GCLC	-0863	-855	+	5.50	AAGGATGT
GCLC	-0782	-774	+	5.79	AGGGAAGT
GCLC	-0717	-709	-	5.26	ATTTCCCC
NMU	-1355	-1347	-	9.45	ACTTCCTG
NMU	-1177	-1169	-	9.60	ATTTCCTG
NMU	-0937	-929	+	7.96	AAGGAAGT
NMU	-0925	-917	+	5.11	TGGGAAGT
NMU	-0808	-800	+	8.11	AAGGAAAT
NMU	-0666	-658	+	5.11	GGGGAAGT
ODF4	-0925	-917	-	5.79	ACTTCCCT
SLC25A35		-1317	-1309	+	8.11 AAGGAAAT
SLC25A35		-1105	-1097	+	5.94 AGGGAAT
SLC25A35		-0800	-792	-	5.94 ATTTCCCT
SLC25A35		-0768	-760	-	5.26 ATTTCCCA
YLPM1	-1258	-1250	-	7.43	ATTTCCCTC
YLPM1	-0757	-749	+	9.45	CAGGAAGT

6	MA0109.1	Hltf	7.46926527425	0.397046551108	-1221:-747	1.65947255188e-05
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list of hits

CLOCK	-0985	-975	-	5.97	TGAAAAGTTT
CLOCK	-0773	-763	-	5.98	ATCAAAGGTT
CLOCK	-0762	-752	-	6.20	AGATAAGGAC
CLOCK	-0747	-737	-	6.27	GGATAAGGAT
EIF2B2	-1221	-1211	-	5.68	AGAAATGTTA
EIF2B2	-0884	-874	-	5.75	GCCTAAGGAT
GCLC	-1172	-1162	-	5.66	ATACAAGGAA
GCLC	-0900	-890	+	5.96	ATCCATATCC

ODF4	-0838	-828	+	5.78	TTCCTTTTCC
ODF4	-0765	-755	-	5.85	GTATAAGGGA
RAP1GAP2	-1125	-1115	-	5.76	GCATATGGAA
RAP1GAP2	-1090	-1080	-	5.72	ACATATGGAG
TMEM165	-1220	-1210	-	5.66	TCAAATGTTT
TMEM165	-1167	-1157	-	6.10	CCATAAGGTA
TMEM165	-0817	-807	-	5.81	ATATATGTAA
YLPM1	-1143	-1133	-	5.82	TTATATGGAA
YLPM1	-1052	-1042	+	5.75	ACACTTATGA
YLPM1	-1014	-1004	-	6.34	ATATAAGTTA
YLPM1	-0950	-940	+	5.96	AAACTTAGCT

7 MA0036.1 GATA2 5.68777361321 0.403773584962 -901:-487 4.39842521527e-05

list of hits

CLOCK	-0747	-742	+	4.95	GGATA
CLOCK	-0741	-736	+	4.95	GGATA
CLOCK	-0666	-661	-	4.95	TATCC
CLOCK	-0487	-482	+	4.95	GGATA
EIF2B2	-0813	-808	+	4.95	GGATA
EIF2B2	-0731	-726	+	4.95	GGATA
GCLC	-0901	-896	-	4.95	TATCC
GCLC	-0895	-890	-	4.95	TATCC
GCLC	-0833	-828	-	4.95	TATCC
GCLC	-0537	-532	+	4.95	GGATA
NMU	-0725	-720	+	4.95	GGATA
ODF4	-0783	-778	-	4.95	TATCC
RAP1GAP2	-0517	-512	+	4.95	GGATA
TMEM165	-0743	-738	+	4.95	GGATA

8 MA0031.1 FOXD1 11.9264176032 0.27500000177 -2989:-2902 5.6686716591e-05

list of hits

EIF2B2	-2956	-2948	+	5.94	TTAAACAG
EIF2B2	-2944	-2936	-	6.77	TTGTTTAG
EIF2B2	-2931	-2923	+	6.85	GTAAATAT
EIF2B2	-2902	-2894	+	9.56	GTAAACAA
ODF4	-2986	-2978	-	5.94	CTGTTTAT

ODF4	-2907	-2899	-	8.33	GTGTTTAC
YLPM1	-2989	-2981	+	5.94	TTAAACAG

9	MA0027.1	En1	6.42106531013	0.445454545184	-2118:-2036	6.69973919622e-05
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list of hits

CLOCK	-2118	-2107	-	6.13	GACATCAACTA
CLOCK	-2092	-2081	+	5.79	TGGTAATGCTC
CLOCK	-2037	-2026	+	5.61	AAATTGTGTTT
NMU	-2036	-2025	+	6.42	AAATTGTTGCC
RAP1GAP2	-2116	-2105	+	7.54	AAGTTGTGTTC
YLPM1	-2078	-2067	+	6.06	AAGTAGTGTTG

10	MA0152.1	NFATC2	9.85861508532	0.346153842592	-438:-219	7.76190312243e-05
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list of hits

CLOCK	-0438	-431	+	6.37	TCTTCCA
CLOCK	-0393	-386	-	6.92	GGGAAAA
CLOCK	-0365	-358	-	5.86	CGGAAAA
EIF2B2	-0293	-286	-	5.86	CGGAAAA
EIF2B2	-0274	-267	+	8.69	TTTTCCA
EIF2B2	-0227	-220	+	6.42	GTTTCCA
NMU	-0232	-225	+	6.37	TGTTCCA
ODF4	-0266	-259	-	7.20	AGGAAAA
RAP1GAP2	-0332	-325	+	6.42	GTTTCCA
TMEM165	-0299	-292	-	6.81	TGGAAAT
TMEM165	-0234	-227	-	7.20	AGGAAAA
YLPM1	-0430	-423	+	7.20	TTTTCCT
YLPM1	-0219	-212	+	8.69	TTTTCCA