

**Table S8. Sequence analysis of AML1-ETO target genes by the PSCAN algorithm against the TRANSFAC database. The full list of significantly enriched TFBS ( $p < 0.01$ ) is reported.**

TF_NAME	MATRIX_ID	Z_SCORE	P_VALUE
V\$AP2_Q6	M00189	22.5617	9.47E-116
V\$SP1_Q6	M00196	21.0753	4.02E-101
V\$AP2GAMMA_01	M00470	19.6203	1.41E-87
V\$AP2ALPHA_01	M00469	18.4008	4.52E-77
V\$EGR3_01	M00245	17.6277	2.47E-72
V\$NGFIC_01	M00244	16.9769	3.29E-67
V\$EGR1_01	M00243	16.9095	8.69E-67
V\$SP1_01	M00008	16.9403	2.02E-66
V\$MAZR_01	M00491	16.2809	2.00E-61
V\$EGR2_01	M00246	14.7331	2.88E-51
V\$PAX4_01	M00373	14.1197	5.87E-47
V\$E2F_03	M00516	13.7946	6.53E-45
V\$PAX5_01	M00143	13.4478	4.65E-43
V\$NFKAPPAB50_01	M00051	13.3166	3.15E-42
V\$AHRARNT_02	M00237	11.3623	2.78E-31
V\$SPZ1_01	M00446	10.9288	7.01E-29
V\$HEN1_02	M00058	10.0726	4.96E-25
V\$AHR_01	M00139	9.22566	2.69E-21
V\$ZIC1_01	M00448	9.14536	5.41E-21
V\$MZF1_01	M00083	9.03079	2.44E-20
V\$CMYB_01	M00004	8.85867	6.86E-20
V\$E2F_02	M00050	8.76659	1.58E-19
V\$ZIC3_01	M00450	8.73985	2.48E-19
V\$NMYC_01	M00055	8.46905	2.31E-18
V\$PAX4_03	M00378	8.27157	1.55E-17
V\$HEN1_01	M00068	8.06043	9.94E-17
V\$MZF1_02	M00084	7.91734	3.20E-16
V\$TAXCREB_01	M00114	7.78345	1.02E-15
V\$ROAZ_01	M00467	7.5901	4.44E-15
V\$ZIC2_01	M00449	7.32056	3.79E-14
V\$NRSF_01	M00256	7.08757	2.57E-13
V\$E47_01	M00002	7.00725	4.51E-13
V\$STAT3_02	M00497	6.86789	1.26E-12
V\$AHRARNT_01	M00235	6.65165	5.34E-12
V\$AP4_Q6	M00176	6.48166	2.20E-11
V\$RREB1_01	M00257	6.21983	1.03E-10
V\$CP2_01	M00072	5.73802	2.35E-09
V\$PAX5_02	M00144	5.58659	5.48E-09
V\$AP4_01	M00005	5.29039	3.58E-08
V\$P53_01	M00034	5.20843	5.26E-08
V\$NFKAPPAB_01	M00054	5.18875	5.79E-08
V\$TAXCREB_02	M00115	5.14437	7.28E-08
V\$OLF1_01	M00261	5.00774	1.64E-07
V\$USF_Q6	M00187	4.73951	6.08E-07
V\$AP4_Q5	M00175	4.7641	6.52E-07

V\$ARNT_01	M00236	4.64247	9.94E-07
V\$ELK1_02	M00025	4.35245	4.34E-06
V\$ZID_01	M00085	4.12781	1.26E-05
V\$SEF1_C	M00214	4.12409	1.29E-05
V\$NRF2_01	M00108	4.06799	1.69E-05
V\$ARNT_02	M00539	4.05197	1.71E-05
V\$ATF_01	M00017	3.91413	3.06E-05
V\$STAT1_01	M00224	3.87315	3.84E-05
V\$MYCMAX_01	M00118	3.82983	4.49E-05
V\$AREB6_03	M00414	3.79837	5.33E-05
V\$LMO2COM_01	M00277	3.75227	6.16E-05
V\$MYCMAX_03	M00615	3.57831	0.000122053
V\$USF_C	M00217	3.45704	0.0001991
V\$NFKB_C	M00208	3.30604	0.00035948
V\$NFKAPPAB65_01	M00052	3.1272	0.000691404
V\$CREB_02	M00113	3.10293	0.000757757
V\$STAF_02	M00264	3.09968	0.00077046
V\$USF_01	M00121	2.65495	0.00329729
V\$CREBP1_Q2	M00179	2.65185	0.00332771
V\$GATA1_01	M00075	2.55026	0.00449389
V\$HNF4_01_B	M00411	2.39262	0.00715805
V\$P300_01	M00033	2.35465	0.00788713
V\$MYOGNF1_01	M00056	2.29648	0.00938865