

Dataset S2. Genes differentially expressed between WT and SoxC KO postmitotic progenitor cells at E13.5 (cutoff: logFC > 0.6).

Gene	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Sox11	5.56E-195	2.49999096	0.987	0.317	9.44E-191
Ebf1	5.37E-101	1.82519839	0.732	0.13	9.12E-97
Tectb	3.03E-58	1.79657983	0.449	0.024	5.15E-54
Sall3	3.50E-102	1.49075411	0.645	0.007	5.94E-98
Tuba1a	4.74E-86	1.25489644	0.715	0.225	8.04E-82
Tecta	5.21E-71	1.17377479	0.604	0.119	8.85E-67
Pdap1	6.09E-128	1.10120836	0.941	0.811	1.03E-123
Crym	2.34E-63	1.06345886	0.52	0.066	3.97E-59
Tmsb10	3.59E-92	1.03018434	0.867	0.698	6.09E-88
Hnrnpm	9.54E-82	1.0263008	0.845	0.654	1.62E-77
6330403K07Rik	2.93E-60	1.01220174	0.668	0.313	4.98E-56
Tubb2b	2.38E-52	1.0121785	0.556	0.181	4.04E-48
Lmo4	1.32E-76	0.9823484	0.841	0.678	2.25E-72
Dync1i2	2.92E-64	0.97961436	0.753	0.564	4.97E-60
Nme1	1.54E-58	0.97926752	0.708	0.458	2.62E-54
Isl1	1.12E-80	0.96432075	0.879	0.656	1.91E-76
Tubb5	1.53E-61	0.9510302	0.765	0.557	2.60E-57
Rtn1	2.36E-43	0.94851322	0.498	0.17	4.01E-39
Rbp1	4.54E-50	0.93149818	0.429	0.044	7.71E-46
Lockd	1.89E-33	0.92719933	0.493	0.225	3.20E-29
Cbx3	4.73E-53	0.9195345	0.684	0.427	8.04E-49
Dstn	3.84E-107	0.91289464	0.947	0.89	6.51E-103
Gm10320	2.69E-47	0.905124	0.441	0.073	4.57E-43
Pou3f3	2.94E-48	0.88588302	0.423	0.048	4.98E-44
Sox9	1.33E-49	0.86978041	0.724	0.518	2.26E-45
Eya1	2.91E-49	0.85822063	0.7	0.48	4.95E-45
Etv5	7.53E-34	0.84329381	0.481	0.214	1.28E-29
Amd1	3.23E-41	0.82006758	0.694	0.566	5.49E-37
Hmcn1	3.74E-32	0.81888859	0.482	0.231	6.35E-28
Cnot3	8.30E-44	0.8187037	0.657	0.454	1.41E-39
Hn1	2.54E-41	0.8081985	0.58	0.308	4.31E-37
Tle4	6.30E-35	0.79333462	0.569	0.337	1.07E-30
Hmgb1	1.08E-90	0.78757176	0.965	0.949	1.84E-86
Nfib	1.04E-31	0.77932845	0.56	0.352	1.76E-27
Ddx5	8.07E-85	0.77438061	0.951	0.899	1.37E-80
Nrep	3.07E-37	0.7692249	0.617	0.407	5.22E-33
Nmt1	4.69E-37	0.76912201	0.641	0.463	7.97E-33

Ntm	2.29E-33	0.76250543	0.424	0.139	3.88E-29
Bcl11a	7.10E-40	0.7544097	0.338	0.02	1.21E-35
Lmo7	3.09E-28	0.73966967	0.395	0.141	5.25E-24
Pcdh17	1.03E-15	0.73781141	0.529	0.456	1.75E-11
Pantr1	1.32E-34	0.73284708	0.336	0.044	2.25E-30
Zdhhc2	1.56E-34	0.71151045	0.68	0.566	2.64E-30
Hmgb3	6.95E-24	0.70853212	0.485	0.3	1.18E-19
Cdk4	2.60E-35	0.70671478	0.718	0.628	4.41E-31
Nisch	1.36E-46	0.7029908	0.799	0.753	2.31E-42
Mex3a	1.26E-35	0.70242847	0.7	0.615	2.14E-31
2810454H06Rik	1.77E-30	0.70021602	0.36	0.09	3.01E-26
Hsd11b2	4.52E-31	0.69997349	0.33	0.059	7.68E-27
Ybx3	1.32E-25	0.69808671	0.67	0.597	2.24E-21
Eif3j1	2.53E-26	0.69778271	0.54	0.372	4.30E-22
Vangl2	5.51E-26	0.69135185	0.567	0.416	9.35E-22
Gstm5	1.85E-19	0.69037191	0.559	0.476	3.14E-15
Socs2	3.87E-36	0.68901339	0.739	0.601	6.57E-32
Ezh2	1.53E-27	0.68249008	0.482	0.251	2.59E-23
Celf2	8.64E-37	0.68023787	0.736	0.639	1.47E-32
Cd24a	1.86E-72	0.67125772	0.951	0.899	3.16E-68
Top1	1.18E-40	0.66062613	0.768	0.698	2.00E-36
Mgea5	2.01E-25	0.66043271	0.568	0.419	3.41E-21
Col11a1	1.77E-20	0.66005135	0.479	0.324	3.01E-16
Slc1a3	5.44E-23	0.65850455	0.641	0.579	9.24E-19
Amotl1	9.96E-22	0.65829335	0.414	0.214	1.69E-17
Cdkn1b	1.67E-23	0.65791357	0.571	0.432	2.83E-19
1110004F10Rik	5.97E-34	0.65745416	0.699	0.597	1.01E-29
Rnd3	2.98E-21	0.65502235	0.551	0.419	5.06E-17
Dclk1	2.57E-20	0.65490007	0.464	0.286	4.36E-16
Sh3bgrl	1.25E-19	0.64943901	0.495	0.346	2.12E-15
Tead2	1.27E-23	0.64138502	0.39	0.17	2.15E-19
Sema6a	2.37E-27	0.63962257	0.664	0.595	4.02E-23
Hnrnpab	7.05E-29	0.63554998	0.662	0.597	1.20E-24
Fam32a	3.88E-23	0.63449535	0.493	0.3	6.59E-19
Knop1	3.43E-29	0.63416164	0.711	0.687	5.82E-25
Fabp5	2.52E-26	0.62971555	0.283	0.046	4.28E-22
Rtn4	8.09E-20	0.62893513	0.551	0.438	1.37E-15
Gm10260	2.20E-18	0.62149094	0.289	0.104	3.74E-14
Cox7b	4.97E-29	0.61909207	0.759	0.738	8.43E-25
Prpf4b	1.16E-34	0.61883964	0.774	0.729	1.97E-30

Pdcd4	4.57E-34	0.61674901	0.75	0.665	7.76E-30
Rnf121	3.62E-16	0.61590999	0.466	0.319	6.15E-12
Ptch1	1.68E-15	0.61322236	0.524	0.449	2.86E-11
Tgfb2	4.63E-44	0.60976155	0.866	0.852	7.86E-40
Hmgn1	5.63E-70	0.60771493	0.967	0.976	9.56E-66
Tia1	3.19E-23	0.60583263	0.602	0.522	5.41E-19
Slco5a1	1.32E-19	0.60086965	0.413	0.22	2.24E-15
Cyr61	1.55E-52	-0.6100654	0.172	0.601	2.63E-48
Fosb	9.78E-85	-0.6105648	0.007	0.385	1.66E-80
Fxyd3	1.18E-99	-0.6175919	0.001	0.421	2.01E-95
Cd63	4.00E-59	-0.6270084	0.418	0.879	6.80E-55
Jun	7.43E-48	-0.6305624	0.51	0.89	1.26E-43
Fam101b	5.63E-80	-0.6413201	0.152	0.698	9.56E-76
Id1	2.10E-71	-0.6421264	0.68	0.987	3.57E-67
Eif3e	4.28E-93	-0.652497	0.845	0.998	7.27E-89
Cdo1	2.05E-89	-0.6562021	0.121	0.678	3.49E-85
Ier2	8.54E-66	-0.6672536	0.412	0.901	1.45E-61
Ano1	5.64E-104	-0.6675442	0.007	0.46	9.58E-100
Col9a3	6.59E-80	-0.6893546	0.191	0.744	1.12E-75
Col2a1	1.04E-74	-0.6925921	0.669	0.954	1.77E-70
Sfrp1	4.08E-51	-0.7052014	0.685	0.932	6.92E-47
Hes1	7.65E-54	-0.7091122	0.419	0.857	1.30E-49
Hcfc1r1	2.23E-97	-0.7343399	0.124	0.705	3.79E-93
Lect1	1.01E-54	-0.741677	0.498	0.885	1.72E-50
Sparc	7.74E-103	-0.7526962	0.837	1	1.31E-98
Col9a1	3.53E-80	-0.7527821	0.295	0.846	5.99E-76
mt-Co1	3.42E-182	-0.7841567	1	1	5.80E-178
Rplp0	1.85E-161	-0.7972485	0.995	1	3.14E-157
Ldha	3.63E-81	-0.8008766	0.396	0.899	6.17E-77
Rpl26	3.53E-187	-0.8332937	0.999	1	6.00E-183
Itih5	1.59E-86	-0.8569552	0.289	0.848	2.70E-82
Ldoc1	1.45E-126	-0.8986625	0.011	0.548	2.47E-122
Dbi	2.67E-102	-0.9456705	0.448	0.938	4.54E-98
Fbxo2	6.81E-119	-0.9477634	0.622	0.989	1.16E-114
Fst	4.09E-84	-0.9510172	0.378	0.901	6.94E-80
Dcn	6.26E-67	-0.9547945	0.336	0.804	1.06E-62
Krt18	3.05E-101	-0.9569545	0.372	0.912	5.18E-97
Mia	9.43E-103	-0.9859454	0.212	0.822	1.60E-98
Meg3	6.17E-75	-1.00064	0.117	0.595	1.05E-70

H19	2.36E-67	-1.0252583	0.16	0.632	4.01E-63
Igfbp5	2.25E-86	-1.0453883	0.704	0.987	3.82E-82
Clu	5.10E-139	-1.2218694	0.919	1	8.66E-135
Ubb	1.76E-159	-1.2257631	0.575	0.989	2.98E-155
Cdkn1a	1.01E-165	-1.2438494	0.094	0.835	1.71E-161
Fam132a	2.33E-120	-1.2727857	0.18	0.806	3.95E-116
Lum	2.55E-142	-1.4084655	0.243	0.91	4.33E-138
Egr1	1.07E-176	-1.482512	0.227	0.952	1.82E-172
Btg2	5.51E-185	-1.5575935	0.115	0.883	9.36E-181
Fos	1.10E-177	-1.6040292	0.131	0.885	1.87E-173
Vim	5.02E-173	-1.7274184	0.521	0.985	8.53E-169