

Supplementary Table 1: List of differentially expressed genes/transcripts identified by RNA-seq analysis.

	Genecode/e!	log ₂ Fold Change	BH Corrected P-value	Gene Type	Chr	Chr Start	Chr End
1	<i>Kcna4</i>	1.4490	0.0000036	protein_coding	chr4	120696138	120748612
2	<i>Neat1</i>	1.4222	0.0000004	lncRNA	chr19	5824708	5845478
3	<i>Gm42047</i>	1.3318	0.0095328	lncRNA	chr8	121833247	121841178
4	<i>4930560O18Rik</i>	1.1812	0.0000000	TEC	chr7	120101611	120103205
5	<i>Pou3f3</i>	1.1029	0.0323443	protein_coding	chr1	42695768	42703176
6	<i>Trpm5</i>	1.0936	0.0000068	protein_coding	chr7	143069153	143094642
7	<i>Fbll1</i>	1.0064	0.0004187	protein_coding	chr11	35797382	35798884
8	<i>Gm13988</i>	1.0024	0.0003185	processed_pseudogene	chr2	123273924	123274211
9	<i>Gm38299</i>	0.9970	0.0120207	TEC	chr2	32998527	33002315
10	<i>Spdef</i>	0.9693	0.0050570	protein_coding	chr17	27714352	27728955
11	<i>Lrrc32</i>	0.9617	0.0164472	protein_coding	chr7	98489283	98502181
12	<i>Gm49083</i>	0.9308	0.0000010	lncRNA	chr14	43804696	43812383
13	<i>Wfdc17</i>	0.9294	0.0261436	protein_coding	chr11	83703991	83706268
14	<i>Cd24a</i>	0.9080	0.0000183	protein_coding	chr10	43578284	43584265
15	<i>Maff</i>	0.9068	0.0000101	protein_coding	chr15	79346621	79359076
16	<i>Gm35208</i>	0.9026	0.0019331	lncRNA	chr12	12987317	12994199
17	<i>Scn2b</i>	0.8977	0.0055019	protein_coding	chr9	45117782	45130070
18	<i>Pappa2</i>	0.8879	0.0058198	protein_coding	chr1	158711727	158980490
19	<i>Cdhr2</i>	0.8720	0.0006108	protein_coding	chr13	54701461	54736662
20	<i>Id1</i>	0.8652	0.0057278	protein_coding	chr2	152736251	152737410
21	<i>Tmprss2</i>	0.8619	0.0169425	protein_coding	chr16	97564682	97611195
22	<i>Rasgef1c</i>	0.8587	0.0181166	protein_coding	chr11	49901835	49980994
23	<i>Hoxd9</i>	0.8531	0.0006882	protein_coding	chr2	74697727	74700208
24	<i>Slc16a14</i>	0.8501	0.0000002	protein_coding	chr1	84905898	84935134
25	<i>Gm11535</i>	0.8381	0.0044084	lncRNA	chr11	96177551	96178800
26	<i>Vgf</i>	0.8270	0.0257117	protein_coding	chr5	137026392	137033351
27	<i>Paqr6</i>	0.8239	0.0067347	protein_coding	chr3	88364584	88368541
28	<i>Gm36634</i>	0.8224	0.0020813	lncRNA	chr12	55497721	55499951
29	<i>Gm38376</i>	0.8129	0.0269097	TEC	chr1	13177462	13179714
30	<i>Tbx1</i>	0.7924	0.0000556	protein_coding	chr16	18580979	18590671
31	<i>Nmnat3</i>	0.7708	0.0000000	protein_coding	chr9	98287435	98420438
32	<i>Gm35454</i>	0.7700	0.0392691	lncRNA	chr9	122435818	122438165
33	<i>Kcp</i>	0.7644	0.0073651	protein_coding	chr6	29473162	29507952
34	<i>Slc4a3</i>	0.7637	0.0000010	protein_coding	chr1	75546266	75562172
35	<i>Slc16a6</i>	0.7614	0.0000001	protein_coding	chr11	109450855	109473598
36	<i>Col11a1</i>	0.7610	0.0021797	protein_coding	chr3	114030540	114220718
37	<i>Col23a1</i>	0.7601	0.0000002	protein_coding	chr11	51289920	51583918
38	<i>Gm15107</i>	0.7561	0.0256758	protein_coding	chrX	148180724	148224710
39	<i>Serpinalf</i>	0.7494	0.0175033	protein_coding	chr12	103688044	103695529
40	<i>Steap1</i>	0.7482	0.0076587	protein_coding	chr5	5736317	5749326
41	<i>Sgk2</i>	0.7478	0.0152930	protein_coding	chr2	162987330	163014127
42	<i>B3gnt3</i>	0.7378	0.0378153	protein_coding	chr8	71690756	71701789

43	<i>Gm21430</i>	0.7351	0.0296956	processed_pseudogene	chr14	63428733	63429730
44	<i>Gm13067</i>	0.7326	0.0137503	lncRNA	chr4	150049013	150056976
45	<i>Col24a1</i>	0.7320	0.0402836	protein_coding	chr3	145292472	145552011
46	<i>Fshr</i>	0.7299	0.0026349	protein_coding	chr17	88984952	89200675
47	<i>Gm26811</i>	0.7178	0.0132936	lncRNA	chr6	89304630	89327621
48	<i>Ccdc92b</i>	0.7128	0.0105832	protein_coding	chr11	74619605	74641516
49	<i>Map6d1</i>	0.7108	0.0017488	protein_coding	chr16	20233303	20241358
50	<i>Sell13</i>	0.7006	0.0179720	protein_coding	chr5	53107083	53213927
51	<i>Igfbp3</i>	0.6993	0.0141831	protein_coding	chr11	7206086	7213923
52	<i>Lhfp13</i>	0.6797	0.0003787	protein_coding	chr5	22746059	23275597
53	<i>AC131709.1</i>	0.6685	0.0026349	lncRNA	chr18	64799869	64806496
54	<i>Ext11</i>	0.6662	0.0000020	protein_coding	chr4	134356372	134383850
55	<i>Cd72</i>	0.6508	0.0464385	protein_coding	chr4	43446462	43454628
56	<i>Bcl6b</i>	0.6478	0.0000123	protein_coding	chr11	70224128	70229798
57	<i>Map3k9</i>	0.6476	0.0000001	protein_coding	chr12	81721010	81781175
58	<i>Slc6a4</i>	0.6449	0.0231236	protein_coding	chr11	76998603	77032340
59	<i>Scara3</i>	0.6448	0.0006908	protein_coding	chr14	65919394	65953935
60	<i>Sphk1</i>	0.6429	0.0266650	protein_coding	chr11	116530925	116536674
61	<i>Ifnlr1</i>	0.6424	0.0391916	protein_coding	chr4	135686287	135708181
62	<i>Tle2</i>	0.6405	0.0476641	protein_coding	chr10	81574561	81590845
63	<i>Ptprv</i>	0.6370	0.0087014	lncRNA	chr1	135108497	135132594
64	<i>Eva1b</i>	0.6254	0.0334378	protein_coding	chr4	126147744	126149875
65	<i>Padi2</i>	0.6232	0.0158089	protein_coding	chr4	140906344	140952586
66	<i>Hist1h3d</i>	0.6221	0.0471872	protein_coding	chr13	23575763	23577011
67	<i>Gm19589</i>	0.6210	0.0000000	lncRNA	chr1	88551517	88562167
68	<i>Traf4</i>	0.6208	0.0013476	protein_coding	chr11	78158499	78165589
69	<i>Gm11691</i>	0.6193	0.0012912	lncRNA	chr11	114251843	114253127
70	<i>Atp13a4</i>	0.6089	0.0001615	protein_coding	chr16	29395853	29544864
71	<i>Lgalsl</i>	0.6068	0.0047890	protein_coding	chr11	20823576	20831056
72	<i>Rtl4</i>	0.6063	0.0152768	protein_coding	chrX	144688907	145122411
73	<i>Trim6</i>	0.6052	0.0007302	protein_coding	chr7	104218793	104235152
74	<i>Otulinl</i>	0.6029	0.0023352	protein_coding	chr15	27655069	27681579
75	<i>Gck</i>	0.6007	0.0000015	protein_coding	chr11	5900820	5950081
76	<i>Gm27239</i>	0.5962	0.0320930	lncRNA	chr18	80987456	80988575
77	<i>Bivm</i>	0.5938	0.0000969	protein_coding	chr1	44118957	44144770
78	<i>Tet2</i>	0.5918	0.0143035	protein_coding	chr3	133463679	133545139
79	<i>Plch2</i>	0.5886	0.0259743	protein_coding	chr4	154983115	155056784
80	<i>Gm28875</i>	0.5879	0.0117591	lncRNA	chr12	104925501	104926689
81	<i>Pi16</i>	0.5872	0.0027453	protein_coding	chr17	29317680	29330593
82	<i>Pcsk6</i>	0.5862	0.0000094	protein_coding	chr7	65861734	66050386
83	<i>Malat1</i>	0.5860	0.0304538	lncRNA	chr19	5795690	5802672
84	<i>Sgsm1</i>	0.5853	0.0271221	protein_coding	chr5	113243220	113310786
85	<i>Gm49654</i>	0.5852	0.0007346	lncRNA	chr12	81717830	81720052
86	<i>Amigo3</i>	0.5834	0.0081760	protein_coding	chr9	108053159	108055701
87	<i>C430049B03Rik</i>	0.5833	0.0373362	lncRNA	chrX	53055046	53057190
88	<i>Gm37795</i>	0.5799	0.0121483	TEC	chr4	150068539	150070997

89	<i>Pgf</i>	0.5776	0.0167013	protein_coding	chr12	85166635	85177790
90	<i>Ints6l</i>	0.5774	0.0032044	protein_coding	chrX	56454857	56507843
91	<i>Cyp11a1</i>	-0.5787	0.0437207	protein_coding	chr9	58006411	58027023
92	<i>Ppm1n</i>	-0.5856	0.0373496	protein_coding	chr7	19276805	19280064
93	<i>Gm49976</i>	-0.5908	0.0161532	lncRNA	chr18	26916731	26918097
94	<i>Perml</i>	-0.5977	0.0013288	protein_coding	chr4	156215868	156221307
95	<i>I700021F13Rik</i>	-0.5987	0.0009603	lncRNA	chr5	119805329	119807869
96	<i>Zfp85</i>	-0.6116	0.0137385	protein_coding	chr13	67747800	67755228
97	<i>Slc1a3</i>	-0.6149	0.0039215	protein_coding	chr15	8634124	8710764
98	<i>Gm33242</i>	-0.6157	0.0000492	processed_pseudogene	chr8	83489743	83490799
99	<i>Cdh12</i>	-0.6182	0.0476569	protein_coding	chr15	20449265	21589533
100	<i>Fras1</i>	-0.6199	0.0061528	protein_coding	chr5	96373955	96784728
101	<i>Gm30363</i>	-0.6215	0.0466007	lncRNA	chr14	21449949	21473360
102	<i>Gm18876</i>	-0.6224	0.0131161	processed_pseudogene	chr10	86640683	86642531
103	<i>Blnk</i>	-0.6274	0.0252801	protein_coding	chr19	40928927	40994535
104	<i>Gja8</i>	-0.6341	0.0293516	protein_coding	chr3	96913566	96926020
105	<i>Vamp9</i>	-0.6526	0.0185836	protein_coding	chr5	99906254	99951092
106	<i>Plch1</i>	-0.6887	0.0294544	protein_coding	chr3	63696234	63899472
107	<i>Tyw3</i>	-0.6978	0.0029222	protein_coding	chr3	154576431	154597104
108	<i>Gm13814</i>	-0.6988	0.0015155	lncRNA	chr2	92483926	92529809
109	<i>Ptprt</i>	-0.7010	0.0000000	protein_coding	chr2	161521990	162661147
110	<i>Cx3cr1</i>	-0.7065	0.0000009	protein_coding	chr9	119901616	120069879
111	<i>Gm12057</i>	-0.7242	0.0088808	processed_pseudogene	chr11	22758599	22760025
112	<i>Gm46136</i>	-0.7303	0.0474041	transcribed_unprocessed_pseudogene	chr9	122935812	122942819
113	<i>Gm9583</i>	-0.7686	0.0332591	processed_pseudogene	chr10	86550808	86552650
114	<i>Gm10646</i>	-0.7713	0.0359812	lncRNA	chr9	67102300	67109601
115	<i>Gm10847</i>	-0.7793	0.0237589	lncRNA	chr14	74926445	74933133
116	<i>Prokr1</i>	-0.8308	0.0000963	protein_coding	chr6	87578591	87590743
117	<i>Sema3e</i>	-0.8315	0.0023352	protein_coding	chr5	14025276	14256689
118	<i>Nps</i>	-0.8423	0.0081760	protein_coding	chr7	135258703	135272942
119	<i>Klk1b27</i>	-0.8456	0.0154014	protein_coding	chr7	44052290	44056712
120	<i>Gm18251</i>	-0.8486	0.0332449	processed_pseudogene	chr10	84502032	84502269
121	<i>Gm1966</i>	-0.8627	0.0161532	unprocessed_pseudogene	chr7	106596743	106604035
122	<i>Klk1b24</i>	-0.8841	0.0000985	protein_coding	chr7	44188236	44192455
123	<i>AC117816.1</i>	-0.8955	0.0438126	lncRNA	chr19	31950084	31952361
124	<i>Tril</i>	-0.8980	0.0252911	protein_coding	chr6	53815468	53820830
125	<i>A1cf</i>	-0.9307	0.0007849	protein_coding	chr19	31868764	31948995
126	<i>Klk1b21</i>	-0.9506	0.0000000	protein_coding	chr7	44102328	44106583
127	<i>Slc6a17</i>	-0.9664	0.0258479	protein_coding	chr3	107467543	107518018
128	<i>Oxtr</i>	-1.0308	0.0259743	protein_coding	chr6	112473683	112489943
129	<i>Gm16420</i>	-1.0900	0.0091109	processed_pseudogene	chrX	120114974	120115829
130	<i>Gm5363</i>	-1.5794	0.0291672	processed_pseudogene	chr9	4213922	4215941
131	<i>Atp8b4</i>	-2.4443	0.0014336	protein_coding	chr2	126320973	126500674