

Extended Data Table 8. Differentially expressed genes in LSK cells from *Dnmt3* identified by RNA-seq (p (adj)<0.05, average normalized read cc

gene	counts(wt)	counts(mut)	log2(FoldChange)	p -value	adjusted p -value
Rapgef1l	84.8851294	247.277566	1.495404391	1.45E-15	2.50E-11
Skida1	15.1096565	95.0525873	2.392144835	8.00E-14	5.69E-10
Serpinh1	165.467983	507.336661	1.553711853	9.91E-14	5.69E-10
Ggt1	65.8279204	253.047852	1.834779152	1.33E-13	5.74E-10
Mmp14	589.105479	1147.13751	0.946689547	7.49E-13	2.15E-09
Rps4y2	145.062143	365.016553	1.293175435	6.63E-13	2.15E-09
Cldn4	19.4646594	125.692109	2.401394836	1.10E-12	2.72E-09
Eps8l2	129.729789	324.081173	1.281685031	3.32E-12	7.02E-09
Pcbp4	205.624234	650.222552	1.583853272	6.81E-12	1.17E-08
Psma8	657.803082	1181.27121	0.833750493	4.41E-11	6.90E-08
Hormad2	132.530679	387.303966	1.477703046	1.02E-10	1.35E-07
Schip1	73.6278716	203.538323	1.401829505	2.52E-10	3.10E-07
Angptl2	412.829721	750.14661	0.847578351	3.28E-10	3.77E-07
Cdcp1	1431.64137	2238.91375	0.63888851	1.07E-09	1.15E-06
Wfdc2	83.3350994	235.409177	1.422425919	2.17E-09	2.08E-06
Tex14	58.3824951	215.409042	1.727453461	8.48E-09	7.68E-06
Wfikkn2	91.1623909	193.374976	1.051567071	1.31E-08	1.12E-05
Nxf7	26.6877763	84.373601	1.546773976	1.64E-08	1.34E-05
Tjp1	1896.0446	798.80143	-1.19802997	2.04E-08	1.60E-05
Vcam1	611.179364	1246.83584	0.998229691	6.69E-08	4.64E-05
Pyroxd2	83.0560732	204.716627	1.241358303	6.74E-08	4.64E-05
Usp44	140.935194	303.391801	1.069699204	8.16E-08	5.41E-05
Trim59	3488.10542	2313.77675	-0.585602209	2.94E-07	0.00018756
Npr2	623.628035	1014.4396	0.690071501	5.34E-07	0.00030678
Zcchc18	246.869446	465.351487	0.889329363	5.34E-07	0.00030678
9630013D21Rik	289.784845	139.83976	-1.012160838	9.14E-07	0.00049186
Fsd2	188.396273	381.050763	0.98030078	1.03E-06	0.00053541
Prom2	44.2577079	120.373827	1.344461252	1.06E-06	0.00053629
Zfp105	70.9260263	145.292138	0.997170541	1.10E-06	0.00054068
Rap1gap	110.293442	236.365246	1.055665853	1.18E-06	0.00056308
Apbb1	179.136385	326.967052	0.844196215	1.62E-06	0.00073398
Dnaaf3	344.945568	642.809296	0.871886331	1.78E-06	0.00078602
BC002163	29.0565984	150.035397	1.952779087	2.25E-06	0.00094359
C2	40.2602478	108.094344	1.32145201	2.94E-06	0.00119113
Cplx2	660.092803	972.565774	0.552298499	2.97E-06	0.00119113

Sh3bp4	87.6454476	166.405847	0.895011198	3.22E-06	0.00126197
Xlr4a	424.986717	721.850416	0.74772126	3.30E-06	0.00126389
Pde1c	243.514388	492.755139	0.976584264	3.54E-06	0.00130007
C430042M11Rik	82.34829	186.01234	1.117613522	4.58E-06	0.00164484
Adc	168.737716	336.094371	0.955227268	5.96E-06	0.00205792
Ighv1-9	15.1082957	98.7335011	2.072467134	5.97E-06	0.00205792
Arhgef17	252.255335	383.893509	0.596589347	7.51E-06	0.0025372
Rps6ka6	297.442261	502.758611	0.738630797	7.89E-06	0.00261292
Pilra	27.3613166	77.1888986	1.367216103	8.63E-06	0.00280411
Arhgef16	27.5976338	118.092886	1.764185292	8.80E-06	0.00280539
Tbc1d2	802.168625	1081.33779	0.427121946	1.14E-05	0.0035789
Itgal	2729.25527	2063.63406	-0.400530321	1.29E-05	0.00396864
5330417C22Rik	32.2122059	79.2967228	1.206731207	1.39E-05	0.00411559
Wdr86	225.750366	385.93429	0.754097663	1.38E-05	0.00411559
Krt8	54.162337	162.911002	1.423283947	1.90E-05	0.00553848
Il18rap	8050.61282	6068.72706	-0.404596383	2.04E-05	0.00567117
Erp27	122.141248	215.12704	0.790951201	1.99E-05	0.00567117
Speg	115.46568	205.772893	0.806451649	2.26E-05	0.00616778
Hsph1	3676.94372	2264.01788	-0.683927932	2.38E-05	0.00629758
Gm128	128.837345	262.603189	0.978687899	2.37E-05	0.00629758
Hnrnpa3	4641.62103	3306.88734	-0.483671503	2.45E-05	0.00640155
G0s2	25.9956524	93.2858482	1.583492296	2.51E-05	0.00644148
Ltb4r1	220.592426	377.414419	0.752891212	2.65E-05	0.00670841
Scrn1	108.254725	190.303031	0.787562468	2.73E-05	0.00680855
Zfp783	2425.20776	3548.54714	0.541396066	2.87E-05	0.00707313
BC033916	42.1228698	100.529275	1.168717726	3.19E-05	0.00773926
Unc5cl	132.677293	221.688766	0.721523419	3.28E-05	0.0078539
Cmah	1448.31993	874.384584	-0.709438049	3.53E-05	0.00821618
Tgm2	4092.18968	5487.9927	0.419540994	3.92E-05	0.00899751
Nrap	186.253455	313.119463	0.728459541	4.00E-05	0.00907406
Gpr128	3117.15302	2174.23089	-0.512766388	4.07E-05	0.00909561
Hmga2	484.74198	267.521305	-0.827538405	4.27E-05	0.00943169
App	1869.90986	2488.31832	0.408501605	4.34E-05	0.00945667
Nrp1	807.587229	466.455657	-0.767456486	4.49E-05	0.00966139
Lynx1	160.996041	275.284294	0.750982676	4.57E-05	0.00972415
Dnah1	357.373031	589.621129	0.703649418	4.65E-05	0.00975928
Neurl1a	31.9072982	86.3140914	1.295980301	5.57E-05	0.01142707
Dmc1	136.56657	248.860369	0.835235264	6.79E-05	0.01359117
Serping1	19.4859649	75.4295787	1.620518592	7.00E-05	0.01380353
Rhoj	273.334722	475.565372	0.773037076	7.05E-05	0.01380353
Oas3	1821.18109	1348.92624	-0.429104072	9.00E-05	0.01721803

Igdcc4	186.603504	330.610158	0.79452611	9.29E-05	0.01758917
Pde2a	1854.28638	3147.9093	0.73971496	9.76E-05	0.01827882
Myo5c	1011.11287	1473.49103	0.534115507	0.00011039	0.02022412
Noxa1	42.0673158	86.0053634	0.971801382	0.0001102	0.02022412
Alpk3	730.113147	1058.93348	0.527473233	0.00011366	0.02060419
Nefh	1554.61584	1022.5886	-0.592278779	0.00011683	0.0207433
Iglc2	49.0583943	130.944572	1.269941601	0.0001164	0.0207433
Ifi27	4669.80875	3600.31552	-0.372328857	0.00012591	0.02212734
Mmp15	140.138674	229.404386	0.689516195	0.00012799	0.02226492
Myo7a	1454.55186	2025.90938	0.471718897	0.00015211	0.02619663
Vill	1853.59675	2744.03457	0.55570823	0.00015367	0.02620255
Mx1	363.729487	192.478951	-0.875695806	0.00015843	0.02675045
Nav1	1967.30251	1478.42674	-0.408057372	0.00016963	0.02836203
Mogat2	39.9609809	113.193499	1.321702479	0.0001731	0.02866493
Gm1966	21404.3014	14671.2514	-0.535377699	0.00019475	0.03134536
Dos	171.429247	288.855665	0.726997074	0.00020142	0.03211982
Acp5	136.08138	218.768126	0.664520375	0.00020359	0.03216778
Map10	344.84624	513.884747	0.564579286	0.000206	0.03225156
A430105119Rik	366.931022	509.309101	0.466697453	0.0002128	0.03301604
Chst13	66.9458814	134.31617	0.942571906	0.00024234	0.03726441
Oas2	623.949589	318.387257	-0.916922294	0.00024889	0.03793254
Naa15	8579.43098	6264.0924	-0.448037754	0.0002534	0.03828142
Ighv1-80	28.3549426	166.601232	1.801912408	0.00026068	0.03903904
Clstn3	2654.88002	3459.42137	0.378336562	0.00028632	0.04214561
Tfpi	2836.51967	3574.24188	0.331162464	0.00030395	0.04409969
Cyp2u1	46.5220416	99.3687351	1.018992292	0.00030472	0.04409969
Alas1	4231.76942	5404.53802	0.350007871	0.00030936	0.04439823
Pvrl4	495.433883	747.443153	0.58008999	0.00031228	0.04444679
Dhx9	12860.377	8974.50683	-0.510212651	0.00031961	0.04511745
Enc1	687.925014	459.887472	-0.568325856	0.00032955	0.04577071

a(mut) mice compared to wild-type controls,
(n = 50)