

Table S12. Down-regulated lncRNAs in GAS of *db/db* vs. *db/m* mice (FDR <0.05).

Gene ID	Gene Symbol	Type	log2FC	p-value	q-value
108168736	Gm46728	lncRNA	-5.5504829	4.95E-07	2.83E-06
108169071	Gm43001	lncRNA	-5.0057502	3.69E-05	1.67E-04
329483	Gm14015	lncRNA	-4.9126408	6.76E-05	2.95E-04
102638215	Gm34828	lncRNA	-4.9126408	6.76E-05	2.95E-04
102639612	Gm35882	lncRNA	-4.9126408	6.76E-05	2.95E-04
100043729	Gm14010	lncRNA	-4.8438674	2.90E-05	1.33E-04
102634658	Gm27198	lncRNA	-4.8131051	1.24E-04	5.21E-04
105245193	4930563J15Rik	lncRNA	-4.718346	2.15E-04	8.68E-04
75589	2310043L19Rik	lncRNA	-4.5907127	6.35E-07	3.59E-06
433751	Gm12866	lncRNA	-4.4651818	8.04E-04	0.00292604
102634163	Gm31815	lncRNA	-4.4651818	8.04E-04	0.00292604
102639532	Gm35824	lncRNA	-4.2952568	0.00298016	0.00956592
100049161	Gm13032	lncRNA	-4.2167624	0.00243186	0.00797446
101055769	Gm12596	lncRNA	-4.1756752	0.00287446	0.00926506
102636121	Gm33283	lncRNA	-4.1756752	0.00287446	0.00926506
102636942	Gm33875	lncRNA	-4.1756752	0.00287446	0.00926506
102640784	Gm36768	lncRNA	-4.1756752	0.00287446	0.00926506
105244062	Gm39742	lncRNA	-4.093213	4.63E-05	2.06E-04
102631949	Gm30150	lncRNA	-4.0057502	0.00549346	0.01650911
102632772	Gm30759	lncRNA	-4.0057502	0.00549346	0.01650911
105242816	Gm38925	lncRNA	-4.0057502	0.00549346	0.01650911
105247195	Gm42334	lncRNA	-4.0057502	0.00549346	0.01650911
105243499	Gm39401	lncRNA	-4.0039457	0.00552936	0.01659896
77049	4921528I07Rik	lncRNA	-3.9821138	0.00597935	0.01778421
68144	5031426D15Rik	lncRNA	-3.9618069	0.00642458	0.01897035
102632550	Gm30595	lncRNA	-3.8457098	0.00952161	0.02673569
73871	4930428N03Rik	lncRNA	-3.8131051	0.01058011	0.02935276
319981	C530044C16Rik	lncRNA	-3.8131051	0.01058011	0.02935276
108168710	Gm12972	lncRNA	-3.8131051	0.01058011	0.02935276
105246778	Gm16064	lncRNA	-3.8131051	0.01058011	0.02935276
102631635	Gm29927	lncRNA	-3.8131051	0.01058011	0.02935276
102641661	Gm38569	lncRNA	-3.8131051	3.00E-04	0.00118133
105244108	Gm39781	lncRNA	-3.8131051	0.01058011	0.02935276
105244515	Gm40109	lncRNA	-3.8131051	0.01058011	0.02935276
407803	BC051226	lncRNA	-3.7128332	0.01443818	0.03855585
102633409	Gm31242	lncRNA	-3.7061899	5.62E-04	0.00210631
102635051	Gm32486	lncRNA	-3.7061899	5.62E-04	0.00210631
105245418	Gm40876	lncRNA	-3.7061899	5.62E-04	0.00210631
102637245	Gm34111	lncRNA	-3.6838221	0.01574004	0.04164142
102632589	Gm26232	lncRNA	-3.6380184	0.01798105	0.04656393
102635242	Gm32632	lncRNA	-3.6026853	9.90E-04	0.00353918
102637866	Gm34568	lncRNA	-3.5907127	0.00105449	0.00374022
102640432	Gm36495	lncRNA	-3.5500707	2.55E-08	1.65E-07
432436	Gm5420	lncRNA	-3.5293122	2.06E-19	2.63E-18

105246653	Gm41911	lncRNA	-3.4651818	0.0019812	0.00661363
102635081	Gm32507	lncRNA	-3.3276783	0.00372732	0.01169002
108168815	LOC108168815	lncRNA	-3.3276783	0.00372732	0.01169002
105246965	Gm42155	lncRNA	-3.2169381	4.43E-07	2.54E-06
100038476	Gm10457	lncRNA	-3.1756752	0.00701937	0.02050338
100504637	Gm20324	lncRNA	-3.1756752	0.00701937	0.02050338
102635506	Gm32825	lncRNA	-3.1756752	0.00701937	0.02050338
102635832	Gm33074	lncRNA	-3.1756752	0.00701937	0.02050338
102638588	Gm35117	lncRNA	-3.1756752	0.00701937	0.02050338
102639589	Gm35866	lncRNA	-3.1756752	0.00701937	0.02050338
105246359	Gm41658	lncRNA	-3.1756752	0.00701937	0.02050338
105247028	Gm42210	lncRNA	-3.1756752	0.00701937	0.02050338
73549	1700110I01Rik	lncRNA	-3.0968736	6.82E-06	3.41E-05
105244967	Gm40485	lncRNA	-3.0646439	9.85E-06	4.82E-05
77855	D730045A05Rik	lncRNA	-3.0057502	4.59E-04	0.001745
105244145	Gm13485	lncRNA	-3.0057502	0.01322586	0.0357395
102633192	Gm31080	lncRNA	-3.0057502	0.01322586	0.0357395
102633197	Gm31085	lncRNA	-3.0057502	0.01322586	0.0357395
102639223	Gm35582	lncRNA	-3.0057502	0.01322586	0.0357395
105243236	Gm39210	lncRNA	-3.0057502	0.01322586	0.0357395
105244615	Gm40200	lncRNA	-3.0057502	0.01322586	0.0357395
234863	6030466F02Rik	lncRNA	-2.9126408	8.35E-04	0.00303002
105242901	Gm38984	lncRNA	-2.8932755	1.70E-07	1.02E-06
102632514	Gm13479	lncRNA	-2.8923003	9.46E-04	0.00339192
105245039	Gm40550	lncRNA	-2.8909341	1.76E-07	1.05E-06
102632755	Gm30744	lncRNA	-2.8868831	2.72E-05	1.25E-04
108168870	Gm43549	lncRNA	-2.8799212	1.10E-06	6.06E-06
105243580	Gm39465	lncRNA	-2.8537471	3.00E-07	1.75E-06
105245982	Gm41350	lncRNA	-2.7606377	1.29E-05	6.23E-05
102633264	Gm31131	lncRNA	-2.7522645	2.09E-05	9.81E-05
105243252	Gm39223	lncRNA	-2.6725068	1.68E-39	3.71E-38
102635312	Gm32685	lncRNA	-2.6687152	3.26E-04	0.00127069
105244973	Gm40491	lncRNA	-2.62046	1.10E-08	7.35E-08
108168207	Gm46491	lncRNA	-2.5996238	3.61E-06	1.86E-05
105244109	Gm39782	lncRNA	-2.5994616	0.01941342	0.04981965
102638739	Gm35231	lncRNA	-2.5907127	5.77E-04	0.00215812
402730	Foxo6os	lncRNA	-2.5437152	4.21E-129	2.34E-127
105242705	Gm38849	lncRNA	-2.5082505	0.00101876	0.00363011
100503106	Gm13944	lncRNA	-2.4651818	0.00887662	0.02518912
102632992	Gm30927	lncRNA	-2.4651818	0.00887662	0.02518912
105242910	Gm38989	lncRNA	-2.4651818	0.00887662	0.02518912
105243883	Gm39608	lncRNA	-2.4651818	0.00887662	0.02518912
105244125	Gm39793	lncRNA	-2.4651818	0.00887662	0.02518912
108168299	Gm46560	lncRNA	-2.4651818	0.00887662	0.02518912
68230	1700102H20Rik	lncRNA	-2.4499687	0.00816568	0.02339941
105244927	Gm40449	lncRNA	-2.4463228	1.28E-06	6.99E-06

108169085	LOC108169085	lncRNA	-2.4207877	0.00178992	0.00603517
100504235	Gm20125	lncRNA	-2.3980676	3.73E-04	0.00144419
105245116	Gm40610	lncRNA	-2.364709	0.01363286	0.03661426
320846	A530058N18Rik	lncRNA	-2.3550792	7.22E-65	2.38E-63
105242864	Gm38955	lncRNA	-2.3301961	0.00972235	0.02725189
102636818	Gm33784	lncRNA	-2.3276783	0.0031281	0.01000759
102640009	Gm36185	lncRNA	-2.3276783	0.01583774	0.0418579
105243010	Gm39058	lncRNA	-2.3276783	0.01583774	0.0418579
105243648	Gm39487	lncRNA	-2.3276783	0.01583774	0.0418579
105244565	Gm40158	lncRNA	-2.3276783	0.0031281	0.01000759
105246571	LOC105246571	lncRNA	-2.3276783	0.01583774	0.0418579
108167589	Gm46074	lncRNA	-2.2908067	5.58E-04	0.00209255
102632707	Gm30706	lncRNA	-2.2861877	1.60E-04	6.58E-04
105247221	Gm42356	lncRNA	-2.2536777	0.00110858	0.00391102
791403	Mhrt	lncRNA	-2.2474457	9.24E-21	1.24E-19
68204	2900060B14Rik	lncRNA	-2.1756752	1.42E-04	5.89E-04
102635526	Gm32838	lncRNA	-2.1756752	1.42E-04	5.89E-04
105245417	Gm40875	lncRNA	-2.1756752	0.00189469	0.00634786
105242817	Gm15543	lncRNA	-2.1632915	3.92E-15	4.08E-14
105246964	Gm42154	lncRNA	-2.1359105	4.10E-55	1.16E-53
100503230	Gm19600	lncRNA	-2.1212274	0.00937274	0.02638793
105243251	Gm39222	lncRNA	-2.093213	5.33E-13	4.95E-12
108167579	Gm46067	lncRNA	-2.093213	3.09E-05	1.42E-04
102633623	Gm31407	lncRNA	-2.0563763	1.42E-04	5.89E-04
353504	Dio3os	lncRNA	-2.0501443	5.11E-05	2.26E-04
102632631	Gm30657	lncRNA	-2.0057502	0.0160385	0.04226148
102633360	Gm31204	lncRNA	-2.0057502	0.00542647	0.01636203
102640748	Gm36743	lncRNA	-2.0057502	0.00542647	0.01636203
105246267	Gm41575	lncRNA	-2.0045475	0.01612417	0.04240634
77920	A330102I10Rik	lncRNA	-1.9847906	2.09E-44	5.01E-43
102635464	Gm32796	lncRNA	-1.9822374	1.43E-10	1.11E-09
102636436	Gm26730	lncRNA	-1.9498875	2.13E-09	1.52E-08
108167544	Gm28511	lncRNA	-1.9443497	0.00108966	0.00385294
105243269	1700082M22Rik	lncRNA	-1.9395487	0.00111044	0.00391712
105242725	Gm38865	lncRNA	-1.9345256	1.26E-06	6.85E-06
105243859	Gm39590	lncRNA	-1.9249791	0.01751816	0.04554817
69042	1810013D15Rik	lncRNA	-1.9039294	0.00152036	0.00520923
102639019	Gm35438	lncRNA	-1.8984431	0	0
102633689	Gm31452	lncRNA	-1.8802193	0.0017862	0.00602791
102639635	Gm35899	lncRNA	-1.8802193	1.30E-04	5.45E-04
105245219	Gm40703	lncRNA	-1.8537471	0.00513439	0.01559643
69652	2310069B03Rik	lncRNA	-1.8482089	1.91E-11	1.59E-10
319626	9530059O14Rik	lncRNA	-1.8386402	2.49E-12	2.22E-11
100504641	1700101I11Rik	lncRNA	-1.8252316	2.37E-47	5.97E-46
102640269	Gm36380	lncRNA	-1.8214929	1.04E-65	3.50E-64
102631755	Gm30015	lncRNA	-1.8161933	5.70E-04	0.00213162

102631914	Gm30126	lncRNA	-1.8131051	0.01505816	0.04002175
102632069	Gm30240	lncRNA	-1.8131051	0.01505816	0.04002175
108168812	Gm46774	lncRNA	-1.8131051	0.01505816	0.04002175
102636338	4930500F10Rik	lncRNA	-1.8048375	6.32E-04	0.00234527
100502959	AV051173	lncRNA	-1.8001789	1.31E-04	5.46E-04
102632229	Gm30364	lncRNA	-1.7942461	7.00E-05	3.04E-04
102636052	Gm33230	lncRNA	-1.7712849	1.93E-04	7.85E-04
216377	Gm38403	lncRNA	-1.7690608	1.57E-04	6.48E-04
105246170	Gm41504	lncRNA	-1.7542114	0.00924305	0.0260696
102635269	Gm32652	lncRNA	-1.7465774	4.60E-51	1.24E-49
102641078	Gm38531	lncRNA	-1.7427158	0.00469797	0.01440723
75243	4930549C15Rik	lncRNA	-1.7162436	1.75E-04	7.16E-04
102633008	Gm38450	lncRNA	-1.6966212	3.61E-04	0.00140204
102635626	Gm32914	lncRNA	-1.6938062	8.47E-04	0.00307228
74724	4930512B01Rik	lncRNA	-1.6841916	1.15E-04	4.84E-04
102631801	Gm30047	lncRNA	-1.6838221	0.0135796	0.03655072
102632491	Gm30550	lncRNA	-1.6838221	0.0135796	0.03655072
108168158	Gm46452	lncRNA	-1.6838221	0.0135796	0.03655072
105244945	Gm40467	lncRNA	-1.6644822	2.31E-09	1.64E-08
108168900	Gm46825	lncRNA	-1.6628625	1.18E-11	9.99E-11
102635295	Gm32672	lncRNA	-1.6578269	8.91E-18	1.06E-16
100379610	Gm11651	lncRNA	-1.6472761	0.00115661	0.00406615
105242643	Gm38801	lncRNA	-1.6457541	0.00865801	0.02465198
102642976	Gm38647	lncRNA	-1.6451803	0.00130158	0.00452698
78805	4930545L23Rik	lncRNA	-1.6431801	0.00133278	0.00462772
102635485	Gm32811	lncRNA	-1.6380184	7.55E-04	0.00276594
100504114	Gm16907	lncRNA	-1.6343649	1.34E-89	5.51E-88
68386	0610039K10Rik	lncRNA	-1.6302411	2.45E-04	9.77E-04
102639960	Gm36149	lncRNA	-1.6202318	8.14E-33	1.54E-31
102635529	C130064B19Rik	lncRNA	-1.6202245	0.01882681	0.04841275
100038726	G930009F23Rik	lncRNA	-1.5907127	0.00117548	0.004125
102639110	Gm35501	lncRNA	-1.5907127	0.01195796	0.03271244
102640242	Gm36356	lncRNA	-1.5907127	0.00370547	0.0116303
102640249	Gm36363	lncRNA	-1.5907127	0.00208218	0.00691812
102640998	Gm36924	lncRNA	-1.5907127	0.00663231	0.01952117
105243907	Gm39627	lncRNA	-1.5907127	0.00208218	0.00691812
102633419	Gm31251	lncRNA	-1.5786509	4.73E-34	9.19E-33
433374	Gm20743	lncRNA	-1.5756863	3.67E-49	9.60E-48
105244557	Gm40150	lncRNA	-1.5621436	3.56E-05	1.62E-04
102637756	Gm34486	lncRNA	-1.5497409	0.00169628	0.00574749
102636200	Gm33335	lncRNA	-1.5463186	0.00102778	0.00365734
102637112	Gm34006	lncRNA	-1.5418031	1.03E-05	5.04E-05
75990	5033421B08Rik	lncRNA	-1.5329972	5.42E-05	2.39E-04
102635867	Gm33097	lncRNA	-1.5310287	3.13E-07	1.82E-06
77361	9430085M18Rik	lncRNA	-1.5293122	9.46E-05	4.03E-04
105245177	Gm40667	lncRNA	-1.5275189	9.15E-31	1.65E-29

102632328	Gm30429	lncRNA	-1.5251244	1.65E-04	6.78E-04
613264	1810020O05Rik	lncRNA	-1.5203234	0.01037186	0.02885781
791364	Hottip	lncRNA	-1.5203234	0.01037186	0.02885781
108167524	Gm46033	lncRNA	-1.510602	8.55E-20	1.11E-18
624759	Gm20752	lncRNA	-1.5045322	4.46E-07	2.55E-06
102633007	Gm26564	lncRNA	-1.4964347	4.95E-13	4.62E-12
78648	2400006E01Rik	lncRNA	-1.4936437	0.00147022	0.00505655
109344	E130215H24Rik	lncRNA	-1.4913632	8.62E-06	4.26E-05
108167356	LOC108167356	lncRNA	-1.4882689	6.04E-05	2.65E-04
102640756	Gm36748	lncRNA	-1.4857431	4.09E-05	1.84E-04
102632666	Gm30682	lncRNA	-1.4796814	0.00497226	0.01516505
69603	2310020H05Rik	lncRNA	-1.4757769	9.95E-16	1.07E-14
100504069	Gm15915	lncRNA	-1.4752355	7.71E-04	0.00281594
102636606	Gm33624	lncRNA	-1.4752355	7.71E-04	0.00281594
105244482	Gm40083	lncRNA	-1.4752355	7.71E-04	0.00281594
70537	5730419F03Rik	lncRNA	-1.4712577	0.00868184	0.02471253
102633473	Gm31289	lncRNA	-1.468457	0.00871616	0.02480536
108168984	LOC108168984	lncRNA	-1.4661627	0.00876409	0.02491731
102640621	Gm36640	lncRNA	-1.4532092	0.0023993	0.00787569
73815	4930404H11Rik	lncRNA	-1.4463228	0.01606881	0.04229139
102640392	Gm36461	lncRNA	-1.4463228	0.01606881	0.04229139
105245093	Gm40591	lncRNA	-1.4463228	0.01606881	0.04229139
108167319	LOC108167319	lncRNA	-1.4463228	0.01606881	0.04229139
105244987	Gm40504	lncRNA	-1.4373102	0.00527138	0.01595324
77490	E130218I03Rik	lncRNA	-1.4370043	1.43E-06	7.74E-06
433367	Gm5532	lncRNA	-1.4297765	3.72E-12	3.27E-11
102638941	Gm12853	lncRNA	-1.4207877	0.00759314	0.02194735
102640080	Gm36235	lncRNA	-1.4207877	2.29E-20	3.03E-19
105244629	Gm40210	lncRNA	-1.4207877	5.68E-04	0.00212499
75223	4930528D03Rik	lncRNA	-1.4155558	0.00323435	0.01030884
105246866	Gm42074	lncRNA	-1.4006098	5.56E-06	2.81E-05
102635782	Gm33032	lncRNA	-1.3980676	0.01362563	0.03660669
105246073	Gm41421	lncRNA	-1.3980676	0.01362563	0.03660669
77453	Dmrta2os	lncRNA	-1.3842618	0.00644164	0.01901107
102638403	Gm34980	lncRNA	-1.3842618	1.17E-04	4.91E-04
102639185	Gm35554	lncRNA	-1.3842618	0.00644164	0.01901107
105243888	Gm12061	lncRNA	-1.374984	0.00307962	0.00986552
108167878	Gm46265	lncRNA	-1.3697755	0.00477735	0.01462747
105243304	Gm39264	lncRNA	-1.3683203	0.00148473	0.00510341
329078	Emx2os	lncRNA	-1.3593872	2.29E-11	1.89E-10
102634394	Gm31986	lncRNA	-1.3593872	0.01149626	0.03158939
105244110	Gm39783	lncRNA	-1.3593872	0.01149626	0.03158939
102634950	Gm32409	lncRNA	-1.3536735	0.00544471	0.01640083
102635658	1700040P09Rik	lncRNA	-1.3399206	3.08E-04	0.00120968
108167732	Gm46162	lncRNA	-1.3316425	8.58E-23	1.24E-21
105246110	Gm41452	lncRNA	-1.3276783	0.00966611	0.02710865

102638504	Mipepos	lncRNA	-1.3191612	0.00150166	0.00515733
102633260	Gm31127	lncRNA	-1.3176942	3.98E-14	3.95E-13
100041655	Gm10863	lncRNA	-1.3169519	2.56E-05	1.19E-04
102640323	Gm36419	lncRNA	-1.3167609	0.01498765	0.03987271
105247191	Gm13010	lncRNA	-1.308313	0.00185571	0.00623419
108167672	Gm29415	lncRNA	-1.308313	0.00185571	0.00623419
102639933	Gm36131	lncRNA	-1.3081449	7.11E-29	1.23E-27
399570	Kank4os	lncRNA	-1.3053105	0.00386056	0.01206228
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102636161	Gm33305	lncRNA	-1.2952568	0.01724678	0.04491097
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105245134	Gm40627	lncRNA	-1.2878843	5.93E-05	2.60E-04
102637089	Gm33991	lncRNA	-1.2858581	0.00324228	0.01033298
102639573	Gm35853	lncRNA	-1.2858581	3.25E-06	1.69E-05
105243258	Gm39227	lncRNA	-1.2814011	8.27E-12	7.09E-11
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78049	4930573O16Rik	lncRNA	-1.2787687	0.00678822	0.01992044
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105246651	Gm41909	lncRNA	-1.238411	7.77E-04	0.00283478
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320272	9330162B11Rik	lncRNA	-1.1672136	1.61E-05	7.68E-05
105243737	Gm15169	lncRNA	-1.1649488	1.32E-04	5.50E-04
102132	E230013L22Rik	lncRNA	-1.1627939	6.43E-11	5.15E-10
108169142	Gm46960	lncRNA	-1.1621099	0.0034207	0.0108267
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102633622	Gm31406	lncRNA	-1.1546136	9.27E-04	0.00332955
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105244601	Gm40191	lncRNA	-1.1501401	0.00273419	0.00886713
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102640515	Gm36556	lncRNA	-1.1456278	1.32E-08	8.83E-08
102639226	Gm35585	lncRNA	-1.1376619	3.30E-06	1.71E-05
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108168305	Gm46565	lncRNA	-1.1239249	3.54E-06	1.83E-05
105246306	Gm41609	lncRNA	-1.1212274	0.00108956	0.00385331
74715	4930521O11Rik	lncRNA	-1.1189608	1.46E-06	7.92E-06
105245076	Gm40578	lncRNA	-1.1148866	0.017038	0.04442711
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105246324	Gm41625	lncRNA	-1.1126654	0.01721656	0.04485645
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102632302	Hoxb3os	lncRNA	-1.1054484	9.39E-05	4.00E-04
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105243004	LOC105243004	lncRNA	-1.0882124	0.00798157	0.02293752
105245244	Gm40723	lncRNA	-1.0863886	1.33E-04	5.55E-04
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330052	A930003O13Rik	lncRNA	-1.0783278	4.46E-04	0.00170331
102634685	Gm17197	lncRNA	-1.0761613	3.49E-57	1.03E-55
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108168879	Gm46811	lncRNA	-1.0646439	0.00213188	0.00706825
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76794	Man2c1os	lncRNA	-1.0481433	0.00365797	0.01149864
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328263	A530065N20Rik	lncRNA	-0.9835796	0.01064868	0.02950916
102639986	Gm36169	lncRNA	-0.9823648	0.00216389	0.00716702
102639588	Gm11967	lncRNA	-0.9816476	7.40E-17	8.40E-16
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108168909	Gm46830	lncRNA	-0.9772386	3.45E-33	6.57E-32
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78536	C030004G16Rik	lncRNA	-0.9709848	0.00993889	0.02777702
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105242793	Gm38907	lncRNA	-0.9480347	9.35E-05	3.99E-04
68954	1500012K07Rik	lncRNA	-0.9468565	0.00630597	0.01864955
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330599	Gm16938	lncRNA	-0.9246843	0.01294284	0.03506943
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625850	Gm11166	lncRNA	-0.9140462	0.00609188	0.01807997
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102638178	Gm34804	lncRNA	-0.9062145	4.96E-04	0.00187753
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319727	A330035P11Rik	lncRNA	-0.9044669	6.92E-05	3.01E-04
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75768	4833422M21Rik	lncRNA	-0.8955421	0.0074241	0.02153167
414116	D630024D03Rik	lncRNA	-0.8932755	7.65E-05	3.30E-04
67194	2700038G22Rik	lncRNA	-0.8848958	1.57E-04	6.47E-04
105244527	Gm40121	lncRNA	-0.8814221	0.0161471	0.04244741
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77103	5330439A09Rik	lncRNA	-0.873194	8.21E-16	8.85E-15
105245980	Gm41348	lncRNA	-0.8695262	9.52E-06	4.67E-05
102631802	Gm30048	lncRNA	-0.8682467	5.96E-05	2.61E-04
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72386	2610035D17Rik	lncRNA	-0.8665812	1.53E-34	3.01E-33
102638598	Gm35125	lncRNA	-0.8591041	0.00601723	0.01788221
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320174	A830082K12Rik	lncRNA	-0.8565593	0.00158724	0.00541661
102631885	Gm30106	lncRNA	-0.8563175	1.20E-05	5.83E-05
68531	1110020A21Rik	lncRNA	-0.8488441	6.02E-05	2.64E-04
102635346	Gm32709	lncRNA	-0.8480269	1.28E-55	3.66E-54
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108167997	Gm46347	lncRNA	-0.8476775	0.00280551	0.00907256
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319750	A230009B12Rik	lncRNA	-0.8009304	0.00860978	0.0245327
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69002	1500026H17Rik	lncRNA	-0.800057	4.52E-04	0.00172187
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105246308	Gm41610	lncRNA	-0.7967573	3.72E-04	0.00144114
330427	9330102E08Rik	lncRNA	-0.7952373	2.96E-31	5.40E-30
105245213	Gm40697	lncRNA	-0.7943689	3.28E-05	1.49E-04
102633616	Gm31400	lncRNA	-0.7942461	8.98E-06	4.43E-05
108168172	Gm46463	lncRNA	-0.7878917	2.37E-04	9.49E-04
105247129	Gm42284	lncRNA	-0.7871099	0.01246287	0.03393532
102632275	Gm30396	lncRNA	-0.785969	0.00278089	0.009005
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433100	AA388235	lncRNA	-0.7789115	0.00102371	0.00364531
380930	9330188P03Rik	lncRNA	-0.7784558	0.00853042	0.02432927
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100303644	C130080G10Rik	lncRNA	-0.7662719	2.48E-05	1.15E-04
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69221	2410006H16Rik	lncRNA	-0.7578484	5.39E-14	5.29E-13
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100503427	Gm10390	lncRNA	-0.7516993	1.80E-26	2.89E-25
78312	1810041H14Rik	lncRNA	-0.7491732	4.15E-05	1.87E-04

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75176	4930543D07Rik	lncRNA	-0.743963	0.01171254	0.03212893
319859	E030011O05Rik	lncRNA	-0.7427158	8.71E-05	3.74E-04
613254	AA465934	lncRNA	-0.7399387	2.85E-09	2.01E-08
105245696	5430425E15Rik	lncRNA	-0.7377151	5.70E-23	8.30E-22
100041951	Gm3587	lncRNA	-0.7369334	0.0037433	0.01173002
105247219	Gm13070	lncRNA	-0.7346785	2.18E-05	1.02E-04
102632681	Gm30690	lncRNA	-0.7261329	4.47E-24	6.70E-23
68763	1110038B12Rik	lncRNA	-0.7259277	5.10E-07	2.91E-06
105246745	Gm41987	lncRNA	-0.7253144	3.58E-04	0.0013889
77533	C030034I22Rik	lncRNA	-0.72302	0.00205445	0.00683341
320400	Gm16897	lncRNA	-0.7222609	2.26E-04	9.09E-04
74846	4930405A21Rik	lncRNA	-0.7196778	9.70E-04	0.00346992
102631696	Gm29968	lncRNA	-0.7195972	0.0028531	0.00921106
102637537	Gm34321	lncRNA	-0.7190368	1.69E-07	1.02E-06
108169145	Gm44026	lncRNA	-0.7110417	2.18E-05	1.02E-04
66730	4921531C22Rik	lncRNA	-0.7091862	1.78E-06	9.53E-06
102635597	Gm32888	lncRNA	-0.7053294	3.65E-10	2.76E-09
102634739	Gm32250	lncRNA	-0.7045862	0.00793293	0.02281809
436015	B130016D09Rik	lncRNA	-0.7025516	0.01260288	0.03425707
100502982	BC037704	lncRNA	-0.7023261	0.0014413	0.00496825
105244978	Gm40496	lncRNA	-0.6981673	0.00655115	0.01930677
108168394	Gm46635	lncRNA	-0.6979979	0.00631556	0.01867506
102642880	Gm38642	lncRNA	-0.6978717	0.00760871	0.02198138
100038497	Gm10603	lncRNA	-0.6962519	1.99E-35	4.01E-34
102634683	LOC102634683	lncRNA	-0.6954101	2.12E-04	8.56E-04
108168335	Gm46591	lncRNA	-0.6949565	1.48E-09	1.07E-08
108167641	Gm46105	lncRNA	-0.6942923	9.04E-06	4.46E-05
606736	C920009B18Rik	lncRNA	-0.6912998	4.55E-04	0.00173262
69431	1700022N22Rik	lncRNA	-0.6897262	8.70E-07	4.83E-06
102637951	Gm34636	lncRNA	-0.6897227	3.70E-15	3.86E-14
102640310	Gm36409	lncRNA	-0.6895028	0.00135014	0.00468296
74743	5830403F22Rik	lncRNA	-0.688549	0.01269856	0.03449454
102637248	Gm34114	lncRNA	-0.686928	0.00390966	0.01219404
105242414	Gm38687	lncRNA	-0.6861827	1.03E-08	6.90E-08
102633526	Gm31333	lncRNA	-0.6846026	2.86E-04	0.00112986
102639254	Gm35607	lncRNA	-0.6843778	1.54E-04	6.36E-04
102637720	LOC102637720	lncRNA	-0.6840115	0.00928198	0.02616667
105243448	Gm26849	lncRNA	-0.6838221	0.0114499	0.03147394
100503292	Gm12279	lncRNA	-0.6830476	9.65E-04	0.00345411
102640451	LOC102640451	lncRNA	-0.6815755	5.53E-09	3.81E-08
319786	B930059L03Rik	lncRNA	-0.6784556	1.73E-04	7.09E-04
102640070	Gm36226	lncRNA	-0.677696	0.00415134	0.0128834
108169018	Gm46899	lncRNA	-0.6749816	1.37E-09	9.93E-09
108167902	Gm46282	lncRNA	-0.6745443	0.00104289	0.00370498
102636118	Gm33280	lncRNA	-0.6738821	0.00177996	0.00600859

102634692	Gm32219	lncRNA	-0.6726879	8.87E-15	9.11E-14
232685	Lncpint	lncRNA	-0.6722016	0	0
102632163	Gm30310	lncRNA	-0.672021	4.19E-13	3.92E-12
108168261	Gm46534	lncRNA	-0.6701821	0.00977013	0.02734618
102639173	LOC102639173	lncRNA	-0.6698606	1.05E-06	5.79E-06
108168790	Gm46762	lncRNA	-0.667334	0.00652129	0.01922462
102638533	Gm35074	lncRNA	-0.6669244	2.04E-14	2.06E-13
102640487	Gm36535	lncRNA	-0.6641338	8.88E-04	0.00320125
102635771	Gm33024	lncRNA	-0.6621232	4.14E-05	1.86E-04
102636731	Gm33723	lncRNA	-0.661534	1.84E-04	7.51E-04
100503434	Gm19689	lncRNA	-0.6599754	0.0046593	0.01430225
102636183	Parvaos	lncRNA	-0.6578269	0.01150623	0.03160632
108167645	Gm46108	lncRNA	-0.6568833	1.46E-05	7.03E-05
105246914	LOC105246914	lncRNA	-0.6565148	3.51E-07	2.03E-06
105246033	Gm41395	lncRNA	-0.655253	0.0102654	0.02858628
102634911	Gm32384	lncRNA	-0.6526405	0.00181202	0.00610047
102636362	Gm33449	lncRNA	-0.6524187	4.04E-07	2.32E-06
102636696	Gm33696	lncRNA	-0.6513235	0.01582238	0.041844
78102	8430426J06Rik	lncRNA	-0.6448685	0.00582113	0.01736077
24082	Map2k3os	lncRNA	-0.6436242	8.03E-08	4.97E-07
105247222	Gm42357	lncRNA	-0.6431801	1.40E-04	5.81E-04
328309	Gm9776	lncRNA	-0.6386438	0.00954483	0.02679571
108168905	Gm46828	lncRNA	-0.6352537	0.01102961	0.03041083
105244799	Gm40346	lncRNA	-0.6272386	1.47E-09	1.06E-08
102640238	Gm36354	lncRNA	-0.626383	5.40E-08	3.40E-07
108167519	Gm46030	lncRNA	-0.6260196	2.41E-24	3.64E-23
102636146	Gm27177	lncRNA	-0.6250028	3.72E-07	2.14E-06
77592	4931406H21Rik	lncRNA	-0.6241748	9.17E-04	0.00329926
653030	Arhgap27os3	lncRNA	-0.6204799	7.64E-08	4.74E-07
102637662	Gm34416	lncRNA	-0.619859	0.01800698	0.04661859
102636498	Gm33548	lncRNA	-0.6190318	8.05E-05	3.47E-04
102634067	Gm31742	lncRNA	-0.6187271	0.01602317	0.04224795
102637151	Gm34035	lncRNA	-0.6179138	3.11E-06	1.62E-05
102633145	Gm31047	lncRNA	-0.6176523	1.12E-19	1.44E-18
102636333	Gm33431	lncRNA	-0.6172646	0.01813211	0.04691743
102634873	D830015G05Rik	lncRNA	-0.6138613	0.00262469	0.00855073
102633119	Gm31026	lncRNA	-0.6107567	1.77E-06	9.48E-06
102635630	Gm32918	lncRNA	-0.6084809	0.00227093	0.00749589
72655	Snhg5	lncRNA	-0.6041523	3.97E-07	2.29E-06
102635498	Gm32819	lncRNA	-0.601765	0.00215732	0.00714607
102636431	Gm33496	lncRNA	-0.6013599	1.46E-04	6.06E-04
102640239	Gm36355	lncRNA	-0.5995909	7.12E-04	0.00261901
102636152	Gm28068	lncRNA	-0.5989217	1.06E-04	4.49E-04
102632541	LOC102632541	lncRNA	-0.5974701	0.00625829	0.01852271
100038363	F630028O10Rik	lncRNA	-0.5971105	0.00498467	0.01519171
102632155	Gm24105	lncRNA	-0.5935895	5.58E-13	5.17E-12

330503	Gm5113	lncRNA	-0.5928222	9.53E-17	1.08E-15
102637188	Gm34065	lncRNA	-0.5907127	1.72E-05	8.15E-05
102632820	Gm13707	lncRNA	-0.5907127	4.48E-04	0.00170991
105243151	Gm39150	lncRNA	-0.5877952	4.25E-05	1.91E-04
