

Table S2. Detailed information of differentially expressed LncRNAs between two groups.

Gene Name	Gene ID	logFC	AveExpr	P value	Gene Type
G630016G05Rik	ENSMUSG00000086308	-3.9143495	0.71273852	2.72E-05	lncRNA
2810410L24Rik	ENSMUSG00000075389	-3.0232814	-0.125064	7.82E-05	lncRNA
Gm8883	ENSMUSG00000099707	-1.5090101	6.22841013	0.00010758	lncRNA
G930045G22Rik	ENSMUSG00000107993	2.87318203	-0.415305	0.00024704	lncRNA
A430078I02Rik	ENSMUSG00000085589	2.81562118	-0.439795	0.00042817	lncRNA
Hoxa11os	ENSMUSG00000086427	-0.9447533	7.35706599	0.00062929	lncRNA
Hoxb3os	ENSMUSG00000084844	1.53995419	4.71810075	0.00068652	lncRNA
1500004A13Rik	ENSMUSG00000098912	-2.4241831	-0.4549903	0.00075621	lncRNA
4930465M20Rik	ENSMUSG00000085641	-1.6378888	6.19040034	0.00083203	lncRNA
1700071M16Rik	ENSMUSG00000090307	-2.781579	-0.2705904	0.00088898	lncRNA
A430105J06Rik	ENSMUSG00000097784	-1.2518829	4.68628698	0.00096759	lncRNA
C130021I20Rik	ENSMUSG00000052951	-2.5129137	-0.3791167	0.00115093	lncRNA
Gm16564	ENSMUSG00000089713	-0.5875149	10.0057539	0.00116008	lncRNA
9030204H09Rik	ENSMUSG00000086449	-0.960301	9.16166584	0.00122918	lncRNA
4930507D10Rik	ENSMUSG00000086703	-2.1437452	1.78707592	0.00131586	lncRNA
Hoxd3os1	ENSMUSG00000052371	-0.6957056	8.71857919	0.00135517	lncRNA
Gm44077	ENSMUSG00000108244	-1.1208091	6.9387996	0.00162383	lncRNA
Gm28323	ENSMUSG00000100313	-0.6625641	7.31990758	0.00176498	lncRNA
Gm12853	ENSMUSG00000085292	2.88426172	0.81829782	0.00184018	lncRNA
Gm14618	ENSMUSG00000087215	2.84847369	0.38575658	0.00188931	lncRNA
Gm15512	ENSMUSG00000087639	2.09855227	1.84738277	0.00191185	lncRNA
Gm14066	ENSMUSG00000085071	-0.9028363	9.12820552	0.00193427	lncRNA
Gm42984	ENSMUSG00000104784	-2.1439828	-0.581983	0.0021676	lncRNA
RP24-286L23.2	ENSMUSG00000109364	-1.9705012	-0.6741037	0.0022233	lncRNA
Gm14321	ENSMUSG00000084797	-2.0213863	2.81388775	0.00225799	lncRNA
Gm16142	ENSMUSG00000087469	-0.9616086	5.37027639	0.00232166	lncRNA
Gm12972	ENSMUSG00000086548	-0.8220784	5.76107671	0.00249705	lncRNA
Gldnos	ENSMUSG00000074343	-2.6198707	0.07869231	0.00266233	lncRNA
Kif16bos	ENSMUSG00000086504	2.53634807	0.20136535	0.00267331	lncRNA
4933439C10Rik	ENSMUSG00000072893	3.49657788	-0.119428	0.00270864	lncRNA
Gm5532	ENSMUSG00000073535	-2.5886101	2.56843251	0.0027483	lncRNA
Gm20395	ENSMUSG00000092469	2.13478228	2.71451552	0.00279835	lncRNA
Gm43904	ENSMUSG00000107849	-1.3154504	4.11878863	0.00308881	lncRNA

Gm43824	ENSMUSG00000106245	-1.5287341	3.99374375	0.00315718	lncRNA
Gm17114	ENSMUSG00000091237	2.79386528	1.9168203	0.00317942	lncRNA
Gm38132	ENSMUSG00000104055	-1.4755944	3.78509045	0.00324701	lncRNA
Gm37362	ENSMUSG00000104016	-1.7862827	-0.7662244	0.00397446	lncRNA
Gm36972	ENSMUSG00000104306	-2.9818637	0.37618402	0.00410234	lncRNA
Gm17218	ENSMUSG00000091078	-3.0502256	0.30172623	0.00413658	lncRNA
Gm16094	ENSMUSG00000090103	-2.2219359	0.23623735	0.00420331	lncRNA
Gm26829	ENSMUSG00000097173	-2.6094984	2.29367483	0.00464982	lincRNA
1010001B22Rik	ENSMUSG00000097863	-1.1655872	5.97482067	0.00491222	lncRNA
Gm13849	ENSMUSG00000087379	-1.9195361	2.45052179	0.00523051	lncRNA
RP24-445D7.1	ENSMUSG00000109165	0.73078783	6.56871182	0.0053548	lncRNA
Gm43691	ENSMUSG00000104776	-1.0126108	4.34678749	0.00543472	lncRNA
Gm16159	ENSMUSG00000086134	-1.2977829	3.49500161	0.00559046	lncRNA
2610028E06Rik	ENSMUSG00000085562	0.7406839	6.54547119	0.00559163	lncRNA
Gm26780	ENSMUSG00000097147	-2.5235995	1.24472265	0.00579082	lincRNA
RP23-7G1.2	ENSMUSG00000109114	-0.7632738	8.08603626	0.00592012	lncRNA
Gm26859	ENSMUSG00000097862	-0.5179963	8.34124006	0.00614251	lincRNA
Gm11551	ENSMUSG00000085594	-1.5630804	3.93477184	0.00631037	lncRNA
Hoxaas3	ENSMUSG00000085696	-1.0479755	6.6326805	0.00680527	lncRNA
4930510E17Rik	ENSMUSG00000032048	2.49252626	-0.6047327	0.00694564	lncRNA
2900052L18Rik	ENSMUSG00000043993	-0.8991812	6.16828086	0.00706873	lncRNA
A930024E05Rik	ENSMUSG00000056735	3.12575933	-0.311486	0.00711857	lncRNA
Gm28876	ENSMUSG00000101356	1.23201836	4.23368727	0.00725945	lncRNA
Gm26930	ENSMUSG00000102142	1.85280845	0.8383559	0.00726329	lncRNA
Gm11831	ENSMUSG00000086625	-2.8079027	0.32361206	0.0073785	lncRNA
2900076A07Rik	ENSMUSG00000097277	-0.7956305	7.91225466	0.00740677	lncRNA
Gm26890	ENSMUSG00000097246	-0.5390657	7.91450253	0.0075219	lincRNA
5033426O07Rik	ENSMUSG00000097097	2.72736281	1.57634134	0.00756365	lncRNA
2810402E24Rik	ENSMUSG00000099966	-1.4214942	3.16155212	0.00759066	lncRNA
Gm28760	ENSMUSG00000100096	-2.9249011	1.0149426	0.0076558	lncRNA
Gm28309	ENSMUSG00000099521	-0.8225432	6.67071226	0.00778288	lncRNA
Gm15226	ENSMUSG00000087677	-1.4165443	-0.9643447	0.00783939	lncRNA
Gm19757	ENSMUSG00000108237	3.06695067	0.04533147	0.00787223	lncRNA
Gm15866	ENSMUSG00000087290	-0.7488505	7.14853921	0.00803462	lncRNA
2610206C17Rik	ENSMUSG00000085236	-1.8171074	-0.7662244	0.00846576	lncRNA
2210417A02Rik	ENSMUSG00000086494	-0.7798152	5.74666098	0.00867243	lncRNA

Gm17768	ENSMUSG00000107181	2.24418702	0.23149136	0.00868597	lncRNA
Gm42565	ENSMUSG00000104928	2.47331242	2.10794391	0.00874926	lncRNA
C330022C24Rik	ENSMUSG00000099590	-0.8194028	8.8243195	0.00890673	lncRNA
RP24-330M21.1	ENSMUSG00000109244	2.43017442	-0.6379153	0.00893136	lncRNA
Gm16145	ENSMUSG00000085372	-0.6470512	10.2168747	0.00896303	lncRNA
C430039J16Rik	ENSMUSG00000097932	-0.6663086	6.8525934	0.0089726	lncRNA
5830487J09Rik	ENSMUSG00000104830	2.34732233	0.10126384	0.00910661	lncRNA
1110002J07Rik	ENSMUSG00000097134	-0.7214558	8.86294379	0.00958157	lncRNA
Gm16499	ENSMUSG00000108255	-0.8027919	4.43165536	0.00963567	lncRNA
Gm12974	ENSMUSG00000084789	0.80651937	6.42420301	0.00983828	lncRNA
Gm12827	ENSMUSG00000087228	-2.6758844	-0.2963968	0.00992259	lncRNA
2700033N17Rik	ENSMUSG00000086328	2.18852629	1.58562543	0.01017098	lncRNA
Gm27003	ENSMUSG00000098024	-0.7697145	8.22708312	0.01030564	lncRNA
Gm43742	ENSMUSG00000106361	-0.8305461	8.33309917	0.01037468	lncRNA
Gm40190	ENSMUSG00000105057	1.59161831	2.51112544	0.01060003	lncRNA
Gm14009	ENSMUSG00000085750	-2.7868338	0.69101464	0.01096076	lncRNA
Gm15848	ENSMUSG00000086706	2.63410206	1.32591193	0.01104416	lncRNA
Gm43714	ENSMUSG00000105512	2.50008488	0.59343615	0.01106692	lncRNA
4930445N18Rik	ENSMUSG00000097738	1.32136843	4.03738804	0.01108718	lncRNA
Gm10855	ENSMUSG00000075538	1.91335372	2.37743634	0.01124609	lncRNA
RP24-238P16.1	ENSMUSG00000109407	1.00394177	5.56543603	0.01146696	lncRNA
Gm11508	ENSMUSG00000086193	2.39639516	2.01104877	0.01157786	lncRNA
Foxd2os	ENSMUSG00000085399	-2.6995831	2.38640756	0.01160737	lncRNA
Gm15726	ENSMUSG00000087263	-1.0248974	6.45805052	0.01162082	lncRNA
Gm43938	ENSMUSG00000108175	1.0054315	7.18441153	0.0116573	lncRNA
Gm14964	ENSMUSG00000052188	2.02145986	-0.8360357	0.01165834	lncRNA
1810034E14Rik	ENSMUSG00000097101	-2.0168411	0.1270702	0.01229984	lncRNA
4931415C17Rik	ENSMUSG00000054910	-0.8889922	4.97923478	0.01236178	lncRNA
Gm15239	ENSMUSG00000086258	2.75258693	-0.0435544	0.01238363	lncRNA
Gm10371	ENSMUSG00000072589	-2.4380961	1.65999108	0.01242116	lncRNA
Gm15656	ENSMUSG00000087489	2.13681003	2.51526929	0.01244378	lncRNA
Gm26896	ENSMUSG00000097718	-0.7581937	6.00852244	0.0125271	lincRNA
Gm12703	ENSMUSG00000052767	2.0860644	-0.8115456	0.01265191	lncRNA
9130410C08Rik	ENSMUSG00000085323	2.43906681	0.36582399	0.01279324	lncRNA
4930598A11Rik	ENSMUSG00000097005	2.61903851	-0.1718634	0.01281189	lincRNA
Gm30414	ENSMUSG00000103067	-2.2717447	0.29609024	0.01287156	lncRNA

B130024G19Rik	ENSMUSG00000100005	-2.230206	-0.5457946	0.01305293	lncRNA
Gm11216	ENSMUSG00000086755	1.36612725	2.51964455	0.013219	lncRNA
Rap1gapos	ENSMUSG00000087476	2.25976154	-0.7194249	0.01343901	lncRNA
4930502E09Rik	ENSMUSG00000086799	1.01100214	5.26809948	0.01344748	lncRNA
RP23-421O10.2	ENSMUSG00000108553	-0.5515293	7.82350958	0.01357	lncRNA
Gm17024	ENSMUSG00000090582	-1.9430188	-0.286996	0.01378134	lncRNA
Zfp286os	ENSMUSG00000086674	-0.723636	5.45318266	0.01382605	lncRNA
Gm26665	ENSMUSG00000097196	-0.6292099	5.53559421	0.01411472	lncRNA
Lrrc75aos1	ENSMUSG00000085170	-1.6909921	5.38616234	0.01419141	lncRNA
Gm28182	ENSMUSG00000101596	-0.9209987	5.06852062	0.01421597	lncRNA
Gm20753	ENSMUSG00000101583	2.03619546	2.42606224	0.01443276	lncRNA
4933413J09Rik	ENSMUSG00000021874	2.30194557	-0.0782645	0.01471615	lncRNA
Gm12524	ENSMUSG00000085318	-0.757967	6.08771787	0.01472182	lncRNA
Gm28139	ENSMUSG00000101338	-1.8382801	-0.730036	0.01496541	lncRNA
1700110C19Rik	ENSMUSG00000099384	-0.6235604	8.83388437	0.01500991	lncRNA
Gm42716	ENSMUSG00000105264	-0.9930497	5.48893697	0.01501364	lncRNA
Gm26538	ENSMUSG00000097507	-1.8099803	-0.3685056	0.01513355	lincRNA
Gm44037	ENSMUSG00000107726	-2.0235943	-0.6531106	0.01514099	lncRNA
Gm43463	ENSMUSG00000106184	-2.751032	0.97176915	0.01519679	lncRNA
Gm42746	ENSMUSG00000106538	1.73693474	-0.9643447	0.01623498	lncRNA
RP23-4H17.3	ENSMUSG00000108483	2.29861191	0.36006251	0.01625527	lncRNA
Gm16000	ENSMUSG00000085106	1.5461641	-1.0703443	0.01658947	lncRNA
Gm20478	ENSMUSG00000092474	-0.7609151	6.68652002	0.01663467	lncRNA
Gm17224	ENSMUSG00000092085	-0.6233047	9.05637269	0.01664231	lncRNA
Maats1os	ENSMUSG00000087568	-0.4501045	10.6850717	0.01666818	lncRNA
Gm16346	ENSMUSG00000085150	-2.1904009	0.23037817	0.0168026	lncRNA
RP23-435E16.1	ENSMUSG00000108657	1.44561332	1.52577254	0.01682998	lncRNA
Gm28639	ENSMUSG00000100496	1.59383629	-1.0703443	0.01683834	lncRNA
BC030343	ENSMUSG00000105345	-1.1504755	3.43253494	0.0170112	lncRNA
4930430O22Rik	ENSMUSG00000107353	-2.0771537	-0.1809964	0.01707064	lncRNA
4930518J20Rik	ENSMUSG00000103705	1.59959572	-1.0703443	0.01714755	lncRNA
Gm11732	ENSMUSG00000085336	1.39801711	4.75487331	0.0172843	lncRNA
Gm34342	ENSMUSG00000102158	-1.8146084	-0.3791167	0.01754576	lncRNA
Gm12236	ENSMUSG00000086460	-1.0598271	4.9216762	0.01773092	lncRNA
D030018L15Rik	ENSMUSG00000078925	-2.1385019	-0.1889772	0.01800439	lncRNA
Gm43585	ENSMUSG00000106287	-1.1686588	3.45605923	0.0183385	lncRNA

Gm20754	ENSMUSG00000103428	1.78518808	-0.9643447	0.01843854	lncRNA
1700003G13Rik	ENSMUSG00000085831	-1.4026072	4.57904469	0.01870179	lncRNA
Gm10619	ENSMUSG00000074067	-0.5210133	7.83900421	0.01892884	lncRNA
C330019F10Rik	ENSMUSG00000085864	3.41029215	0.55818282	0.01906658	lncRNA
Gm43388	ENSMUSG00000104927	-2.0859015	2.82825377	0.01923235	lncRNA
Gm28746	ENSMUSG00000101843	1.36051394	-1.162465	0.01942602	lncRNA
Bloc1s6os	ENSMUSG00000085633	-0.5237084	7.76111224	0.01946722	lncRNA
RP23-338G5.2	ENSMUSG00000108333	1.79004508	1.60821651	0.01958646	lncRNA
Gm11738	ENSMUSG00000085511	1.41246227	-1.162465	0.0200177	lncRNA
Gm16141	ENSMUSG00000087507	1.780171	2.56587556	0.0203173	lncRNA
4930589P08Rik	ENSMUSG00000085593	-1.4976046	-0.8861029	0.02039085	lncRNA
Gm16755	ENSMUSG00000097658	-0.804175	5.6532534	0.02045833	lincRNA
Gm12523	ENSMUSG00000084863	-2.1403643	-0.5952857	0.02115493	lncRNA
RP23-311C19.5	ENSMUSG00000108520	-0.5672072	7.76978868	0.02152161	lncRNA
Gm43409	ENSMUSG00000104606	-1.1480877	3.92620138	0.02188105	lncRNA
Gm13817	ENSMUSG00000085293	2.1978778	0.03729157	0.021908	lncRNA
Gm13667	ENSMUSG00000084791	-2.1411693	-0.5970197	0.02191763	lncRNA
Gm19273	ENSMUSG00000107509	-1.8497017	-0.743915	0.02197426	lncRNA
Gm5118	ENSMUSG00000098854	2.00241147	-0.8496524	0.02210392	lncRNA
AI427809	ENSMUSG00000086712	0.68967007	6.32817362	0.02216128	lncRNA
Gm27221	ENSMUSG00000098270	-2.0134431	-0.6587466	0.02216599	lncRNA
Gm27176	ENSMUSG00000099027	-1.9032965	-0.7137889	0.02242634	lncRNA
Gm14950	ENSMUSG00000085536	2.38805128	-0.286996	0.02251259	lncRNA
Gm26717	ENSMUSG00000097363	-1.0981694	3.84431779	0.02266793	lncRNA
Gm12589	ENSMUSG00000085126	-0.6861504	6.72450363	0.02276305	lncRNA
Gm10629	ENSMUSG00000074113	-1.6036685	-0.8861029	0.02321458	lncRNA
Gm26721	ENSMUSG00000096943	-1.5994311	-0.8360357	0.02350866	lincRNA
D430040D24Rik	ENSMUSG00000087589	-1.086636	8.00732398	0.02358547	lncRNA
Gm30097	ENSMUSG00000102595	0.41244843	8.58793182	0.02390611	lncRNA
Gm43950	ENSMUSG00000107887	-2.3567982	1.25696492	0.02394455	lncRNA
Gm31747	ENSMUSG00000107441	-0.6340401	7.00633565	0.024097	lncRNA
Lyrn7os	ENSMUSG00000086789	-1.7842202	0.81355184	0.02418513	lncRNA
1110019D14Rik	ENSMUSG00000097616	-0.7640111	5.59432997	0.02427605	lncRNA
Gm32736	ENSMUSG00000106483	2.24750019	1.35810434	0.02452032	lncRNA
Hoxb5os	ENSMUSG00000085645	1.94664223	5.23652442	0.02452528	lncRNA
Gm28528	ENSMUSG00000099635	2.06372163	0.99667409	0.02463407	lncRNA

Gm11682	ENSMUSG00000085985	-0.8289496	4.48335557	0.02484272	lncRNA
1700012I11Rik	ENSMUSG00000102069	-2.16119	-0.577237	0.02486008	lncRNA
Gm26694	ENSMUSG00000097518	2.28504038	2.35618894	0.02521483	lincRNA
Frmpd1os	ENSMUSG00000086284	-1.7653034	3.50565763	0.025266	lncRNA
4930417O13Rik	ENSMUSG00000108129	-1.7136062	-0.8059096	0.02526644	lncRNA
1700120G07Rik	ENSMUSG00000100717	2.06242776	-0.3699837	0.02533146	lncRNA
Gm29638	ENSMUSG00000102084	-2.0346216	0.33557248	0.02545169	lncRNA
Gm15445	ENSMUSG00000085311	-1.837259	-0.7452313	0.02550245	lncRNA
Gm12860	ENSMUSG00000086187	-1.837259	-0.7452313	0.02550245	lncRNA
2500004C02Rik	ENSMUSG00000073236	1.02969896	4.66113035	0.02558964	lncRNA
Gm26706	ENSMUSG00000097014	-1.7626295	2.44391782	0.02565785	lincRNA
Gm30932	ENSMUSG00000103963	-1.5191638	1.81735413	0.02565985	lncRNA
RP23-53N23.2	ENSMUSG00000108468	-1.7309147	0.38281224	0.02570239	lncRNA
Gm28277	ENSMUSG00000100620	-0.696951	7.14153675	0.02574849	lncRNA
Gm26567	ENSMUSG00000097314	-1.7276559	-0.8059096	0.02588403	lincRNA
1700016L21Rik	ENSMUSG00000101483	2.47895167	0.67900955	0.02606132	lncRNA
Gm26779	ENSMUSG00000097140	2.03762631	-0.439795	0.02607738	lncRNA
Gm11496	ENSMUSG00000085152	-1.7542985	-0.3791167	0.02626671	lncRNA
4930548G14Rik	ENSMUSG00000051198	2.17895445	0.24226094	0.02631283	lncRNA
4933436I20Rik	ENSMUSG00000100580	-1.9242515	0.10126384	0.02642115	lncRNA
Gm15788	ENSMUSG00000087439	1.75699564	3.48125975	0.02646655	lncRNA
Gm42582	ENSMUSG00000106709	-1.7444647	-0.8115456	0.02652349	lncRNA
Gm28209	ENSMUSG00000101224	-1.4141782	-0.9175452	0.02655178	lncRNA
Gm4640	ENSMUSG00000107434	1.64504577	2.10132382	0.02665743	lncRNA
Gm14033	ENSMUSG00000087040	0.69568195	7.19144319	0.02666771	lncRNA
Gm29430	ENSMUSG00000101451	-1.511235	-0.9175452	0.02679008	lncRNA
Gm13837	ENSMUSG00000086055	-0.6469204	6.39857125	0.02722376	lncRNA
Gm43572	ENSMUSG00000105876	3.7145989	4.56809633	0.02744347	lncRNA
RP24-78M9.6	ENSMUSG00000109193	1.96896413	-0.4957274	0.02757935	lncRNA
Gm12405	ENSMUSG00000087054	-1.8384728	-0.3337954	0.02759136	lncRNA
Gm44151	ENSMUSG00000107862	-0.5120772	8.23108109	0.02762204	lncRNA
Gm43241	ENSMUSG00000105151	-1.9052745	-0.149554	0.02766983	lncRNA
Gm17597	ENSMUSG00000097613	-1.5291358	-0.9175452	0.02774656	lncRNA
A330069E16Rik	ENSMUSG00000097868	0.94020842	4.82499928	0.02778528	lincRNA
Gm27019	ENSMUSG00000097998	-1.8161412	1.2471296	0.0279191	lncRNA
Gm20535	ENSMUSG00000092373	0.99533271	6.06321139	0.02819739	lncRNA

Gm42784	ENSMUSG00000105258	-0.8977626	4.50075167	0.0283313	lncRNA
Gm43301	ENSMUSG00000105430	1.9571848	2.99183694	0.02878631	lncRNA
5830418P13Rik	ENSMUSG00000086236	2.30745612	-0.0888757	0.02892125	lncRNA
Gm11290	ENSMUSG00000085827	-1.788425	-0.7662244	0.02904112	lncRNA
Gm19331	ENSMUSG00000102332	-0.9754474	5.33561666	0.02926936	lncRNA
Gm15688	ENSMUSG00000089737	0.51843677	5.79176788	0.02928827	lncRNA
4930512H18Rik	ENSMUSG00000086866	-1.9680249	-0.2552915	0.02934475	lncRNA
Gm29593	ENSMUSG00000099440	0.72479138	6.8751305	0.02971183	lincRNA
RP24-269A16.9	ENSMUSG00000108754	-1.9445036	-0.6968534	0.02975946	lncRNA
Gm30074	ENSMUSG00000103726	-1.7335187	-0.7801033	0.02981082	lncRNA
Gm12055	ENSMUSG00000085979	-0.4784831	6.32966732	0.02981195	lncRNA
RP24-476M14.1	ENSMUSG00000109260	2.46287096	2.12610591	0.03018985	lncRNA
C130013H08Rik	ENSMUSG00000105509	-2.5178539	0.53561129	0.03020016	lncRNA
Gm14152	ENSMUSG00000087495	-2.0100983	0.10924465	0.03021812	lncRNA
Gm26681	ENSMUSG00000097818	-2.420094	2.82412918	0.03025051	lincRNA
Gm13524	ENSMUSG00000085397	-1.6765145	-0.8360357	0.03032969	lncRNA
4933436E23Rik	ENSMUSG00000103844	-2.0377978	-0.6335957	0.03037719	lncRNA
Gm14707	ENSMUSG00000086104	-1.3060725	2.73004092	0.0306001	lncRNA
C230035I16Rik	ENSMUSG00000085024	-2.8601891	0.70129703	0.03076598	lncRNA
Gm14224	ENSMUSG00000085524	-2.1642114	0.91195495	0.03077492	lncRNA
RP24-136L4.6	ENSMUSG00000108513	2.20006946	2.26482613	0.03095112	lncRNA
Gm15663	ENSMUSG00000085282	1.97503119	-0.4333537	0.03103754	lncRNA
Gm13322	ENSMUSG00000085193	-1.4519942	-0.9175452	0.0310761	lncRNA
Gm44278	ENSMUSG00000107882	-1.2428223	2.68442914	0.03113416	lncRNA
Nr6a1os	ENSMUSG00000085201	-0.7317226	4.40832314	0.03127266	lncRNA
Gm14376	ENSMUSG00000085228	3.38622701	1.04560915	0.03129336	lncRNA
Gm11642	ENSMUSG00000086794	-1.7294286	-0.8059096	0.03133891	lncRNA
Gm7616	ENSMUSG00000084913	-1.160665	3.0624628	0.03135852	lncRNA
RP23-328F4.7	ENSMUSG00000109190	-1.4032639	-0.9782236	0.03145226	lncRNA
2900052N01Rik	ENSMUSG00000099696	-0.804497	3.81123503	0.0316325	lncRNA
1700023C21Rik	ENSMUSG00000087393	-0.8068801	10.4556917	0.0316337	lncRNA
1700067G17Rik	ENSMUSG00000099378	-1.6032523	-0.872224	0.03171336	lncRNA
Gm13257	ENSMUSG00000086850	-1.5703693	-0.9175452	0.03247277	lncRNA
RP24-236C17.2	ENSMUSG00000109121	-0.8391616	3.99283337	0.03267646	lncRNA
2410017I17Rik	ENSMUSG00000038311	2.26757256	-0.7149021	0.03268461	lncRNA
4930558G05Rik	ENSMUSG00000086244	-1.7153049	-0.8360357	0.03273221	lncRNA

RP24-136L4.5	ENSMUSG00000108778	-2.2593321	0.33557248	0.03292649	lncRNA
Gm14634	ENSMUSG00000085891	-1.1454173	3.30661206	0.03294117	lncRNA
Gm12446	ENSMUSG00000087383	1.81843626	3.42376209	0.0331885	lncRNA
Gm29587	ENSMUSG00000100192	-1.401941	2.90994705	0.03327636	lncRNA
4930533I22Rik	ENSMUSG00000093535	-1.5821603	-0.9175452	0.03333888	lncRNA
Gm13404	ENSMUSG00000086904	-1.5821603	-0.9175452	0.03333888	lncRNA
Gm12114	ENSMUSG00000087318	-0.4879806	6.54807097	0.03341599	lncRNA
RP23-10I8.1	ENSMUSG00000109313	-1.2821753	5.74095073	0.03380037	lncRNA
Firre	ENSMUSG00000085396	-1.7697587	-0.8059096	0.03393737	lncRNA
Gm26653	ENSMUSG00000097496	-1.7697587	-0.8059096	0.03393737	lncRNA
Gm28514	ENSMUSG00000100387	2.19908522	-0.7452313	0.0340328	lncRNA
Gm27008	ENSMUSG00000098108	1.75082513	-0.1718634	0.03422433	lncRNA
Gm43207	ENSMUSG00000105222	-1.3819243	1.30960349	0.03461823	lncRNA
9330154J02Rik	ENSMUSG00000056031	-0.6495489	5.43781411	0.03464636	lncRNA
Gm27153	ENSMUSG00000099013	-0.8387768	5.13491652	0.03465409	lncRNA
B230312C02Rik	ENSMUSG00000084843	1.96583082	0.69404633	0.03465435	lncRNA
RP23-338G5.1	ENSMUSG00000108739	-2.0101189	-0.2171847	0.03468044	lncRNA
Pmepal os	ENSMUSG00000087600	-1.2904883	2.56928251	0.03520261	lncRNA
Gm13544	ENSMUSG00000086995	2.11667771	-0.0479801	0.03526148	lncRNA
1700054K02Rik	ENSMUSG00000097001	-1.4698519	2.96325117	0.03531219	lncRNA
1700018B24Rik	ENSMUSG00000037910	1.01417443	3.47454957	0.03545389	lncRNA
Gm15156	ENSMUSG00000084932	-0.976653	4.96023214	0.03592388	lncRNA
Gm20641	ENSMUSG00000093556	-1.5243619	-0.8980303	0.0359433	lncRNA
Gm44082	ENSMUSG00000107704	-0.8292669	6.98118879	0.03594571	lncRNA
RP23-308M1.6	ENSMUSG00000109123	-1.4780579	-0.9782236	0.03605841	lncRNA
Junos	ENSMUSG00000087366	2.25699989	1.74472408	0.0360908	lncRNA
5730435O14Rik	ENSMUSG00000091370	-2.1352897	0.22088025	0.03617364	lncRNA
Gm12150	ENSMUSG00000085239	-0.9788344	3.82156362	0.03624528	lncRNA
Gm14396	ENSMUSG00000086077	0.98134634	3.25855811	0.03629355	lncRNA
A930007I19Rik	ENSMUSG00000097855	-0.5955642	6.32211056	0.03634327	lncRNA
Gm16876	ENSMUSG00000086689	-0.6017514	5.15934815	0.03635639	lncRNA
Kis2	ENSMUSG00000086173	1.29709602	1.56053363	0.03656297	lncRNA
Gm15614	ENSMUSG00000085234	-0.45343	9.95961728	0.03715181	lncRNA
2700089I24Rik	ENSMUSG00000100119	2.50508586	-0.5999474	0.03717942	lncRNA
Gm15646	ENSMUSG00000087554	-0.5214096	5.7039198	0.03718851	antisense
Myopos	ENSMUSG00000086533	-1.5804811	2.62973805	0.0373074	lncRNA

Gm9916	ENSMUSG00000104178	-0.4557887	8.76493043	0.0373133	lncRNA
Dbhos	ENSMUSG00000085008	-1.6166847	-0.8496524	0.03733566	lncRNA
Gm42425	ENSMUSG00000105759	-1.1813156	5.15702431	0.03742942	lncRNA
Gm37640	ENSMUSG00000102862	1.73068566	-0.6134253	0.03742996	lncRNA
A430048G15Rik	ENSMUSG00000086650	-0.7799784	6.006958	0.03743515	lncRNA
Gm12224	ENSMUSG00000085888	-1.6526828	0.66889544	0.03744587	lncRNA
G630030J09Rik	ENSMUSG00000097149	-1.7839777	1.01641813	0.0374542	lncRNA
Gm43573	ENSMUSG00000104786	-2.1870628	-0.1527888	0.03766619	lncRNA
Gm15577	ENSMUSG00000086708	-2.1884532	-0.149554	0.0377098	lncRNA
E030042O20Rik	ENSMUSG00000087222	-1.3137551	-1.0096659	0.03801219	lncRNA
Gm14167	ENSMUSG00000087433	-1.5248649	-0.4898623	0.03810144	lncRNA
Gm9915	ENSMUSG00000053640	1.1657678	4.83241238	0.03812558	lncRNA
Gm19585	ENSMUSG00000100150	1.12423129	4.03041416	0.03816603	lncRNA
Gm17751	ENSMUSG00000100553	0.53656246	6.02385202	0.03833011	lncRNA
Gm14062	ENSMUSG00000086214	2.12815325	0.99948259	0.03853181	lncRNA
Gm4890	ENSMUSG00000097174	2.00593845	1.62264668	0.03860775	lncRNA
Gm15889	ENSMUSG00000089712	-0.7360282	3.98594635	0.03873308	lncRNA
RP23-34O23.4	ENSMUSG00000109009	1.95435232	1.41123878	0.03904091	lncRNA
Etohd2	ENSMUSG00000089875	-0.706894	6.35353184	0.03927113	lncRNA
RP23-394F19.1	ENSMUSG00000109524	1.83199832	-0.1055491	0.03952515	lncRNA
Gm13389	ENSMUSG00000087079	-0.4571665	7.79085804	0.03953472	lncRNA
Gm14211	ENSMUSG00000085709	1.14856367	2.84239944	0.0395496	lncRNA
Gm12526	ENSMUSG00000073846	-1.1620536	4.35753264	0.03994899	lncRNA
8430437L04Rik	ENSMUSG00000085252	-0.7108638	5.77182052	0.04019586	lncRNA
Gm43570	ENSMUSG00000105945	-0.4746634	6.1547086	0.04023206	lncRNA
Gm15658	ENSMUSG00000085550	-1.2664834	3.37101569	0.04033007	antisense
Gm20675	ENSMUSG00000093744	-1.6659227	-0.0329433	0.04040298	lncRNA
4930519F24Rik	ENSMUSG00000101584	-1.9507609	0.30736497	0.0407686	lncRNA
Gm15564	ENSMUSG00000086324	1.71879883	1.51062347	0.04086815	lncRNA
Gm28265	ENSMUSG00000101588	1.88718742	-0.25687	0.0410233	lncRNA
Gm26994	ENSMUSG00000098075	-0.8036579	5.82899788	0.04117918	lncRNA
RP23-218E6.1	ENSMUSG00000109550	-1.8377876	0.99816625	0.04120439	lncRNA
Gm2061	ENSMUSG00000097615	1.62717775	2.45101625	0.04121102	lncRNA
Gm42864	ENSMUSG00000105152	0.58947764	10.5482357	0.04146436	lncRNA
1700112J16Rik	ENSMUSG00000097527	-1.3157269	2.073775	0.04150016	lncRNA
Gm26615	ENSMUSG00000097088	-0.5360741	7.11599223	0.04178876	lincRNA

Gm29670	ENSMUSG00000100302	-1.9895316	1.05980027	0.04219514	lncRNA
1700020M21Rik	ENSMUSG00000100146	0.42357332	7.09890736	0.04223166	lncRNA
Gm37306	ENSMUSG00000103043	0.99741117	3.85319306	0.04244749	lncRNA
Gm12714	ENSMUSG00000084766	-1.2111651	-1.0703443	0.04245919	lncRNA
Gm26519	ENSMUSG00000097237	-1.2111651	-1.0703443	0.04245919	lncRNA
Gm10535	ENSMUSG00000097988	-1.2111651	-1.0703443	0.04245919	lncRNA
Gm12146	ENSMUSG00000085533	1.16192631	4.1514004	0.04253248	lncRNA
Gm3054	ENSMUSG00000079174	1.45567571	1.92201316	0.04258582	lncRNA
1700028D13Rik	ENSMUSG00000101683	-0.5844546	4.55868509	0.04264035	lncRNA
Gm43349	ENSMUSG00000106249	1.08181227	3.50410861	0.0427754	lncRNA
Gm43674	ENSMUSG00000106321	-1.1944758	2.63272271	0.04282738	lncRNA
RP23-144N15.7	ENSMUSG00000108531	-1.0964338	4.43517004	0.04296044	lncRNA
Gm15582	ENSMUSG00000087348	1.97153833	-0.872224	0.04298253	lncRNA
Gm7538	ENSMUSG00000107334	-2.1161184	-0.1829149	0.04300875	lncRNA
RP23-53O7.2	ENSMUSG00000108791	-1.1118805	-1.0703443	0.04301911	lncRNA
Gm37751	ENSMUSG00000103386	-2.1477882	2.69314009	0.04326538	lncRNA
A830052D11Rik	ENSMUSG00000097413	0.43267541	6.31388042	0.04351758	lncRNA
RP23-183J18.2	ENSMUSG00000109299	-0.5611638	6.67925028	0.04359831	lncRNA
Gm14858	ENSMUSG00000085568	-0.5632135	6.69414531	0.04383595	lncRNA
Gm10369	ENSMUSG00000072573	-1.3747271	-1.0096659	0.04387119	lncRNA
Gm43678	ENSMUSG00000105880	-0.6064656	7.08135427	0.04405362	lncRNA
A230077H06Rik	ENSMUSG00000100600	-0.8655471	4.44236021	0.04419743	lncRNA
1700040F17Rik	ENSMUSG00000101568	-0.377848	6.38932565	0.04423404	lncRNA
Gm14268	ENSMUSG00000087617	-0.4925716	6.64260894	0.04424352	lncRNA
RP23-202M11.1	ENSMUSG00000109091	2.0343213	0.33388313	0.04429279	lncRNA
A530058N18Rik	ENSMUSG00000092201	-1.9106199	0.09562786	0.0446286	lncRNA
RP24-173O20.2	ENSMUSG00000108762	2.17392965	-0.7662244	0.04468726	lincRNA
1700009C05Rik	ENSMUSG00000101404	-1.5321811	-0.9281564	0.04479091	lncRNA
Gm26644	ENSMUSG00000097683	-1.5321811	-0.9281564	0.04479091	lncRNA
RP23-446E13.1	ENSMUSG00000109517	-1.1726069	-1.0703443	0.04492339	lncRNA
2010320O07Rik	ENSMUSG00000089983	1.91831518	2.27593821	0.04516358	lncRNA
Gm16349	ENSMUSG00000085678	-1.1268828	-1.0703443	0.04520853	lncRNA
1700125G02Rik	ENSMUSG00000085263	1.9468105	2.48181615	0.04537977	lncRNA
RP23-92L23.2	ENSMUSG00000108952	-0.8078925	3.86052723	0.04541175	lncRNA
BC046401	ENSMUSG00000085274	-0.6608399	6.04377348	0.04568922	lncRNA
5830416I19Rik	ENSMUSG00000106219	1.09953441	2.75172065	0.04592797	lncRNA

Tmem147os	ENSMUSG00000097320	-0.6477894	4.75210078	0.04597872	lncRNA
Gm12023	ENSMUSG00000085806	1.10571327	2.29626848	0.04601293	lncRNA
Gm16224	ENSMUSG00000084986	-1.2510716	-1.0703443	0.04609831	lncRNA
1700044K03Rik	ENSMUSG00000100297	-1.2510716	-1.0703443	0.04609831	lncRNA
Gm42562	ENSMUSG00000106466	-1.2510716	-1.0703443	0.04609831	lncRNA
Gm15050	ENSMUSG00000087626	-1.2510716	-1.0703443	0.04609831	lncRNA
B130055M24Rik	ENSMUSG00000086502	-1.2510716	-1.0703443	0.04609831	lncRNA
E130018O15Rik	ENSMUSG00000055944	1.96562633	-0.8749156	0.04610988	lncRNA
Gm12349	ENSMUSG00000087265	-1.5161669	2.77323968	0.04615225	lncRNA
Gm29418	ENSMUSG00000100345	-1.0142736	4.73772066	0.04623566	lncRNA
Gm27010	ENSMUSG00000098183	-1.4081036	-1.0096659	0.04637672	lncRNA
Gm11274	ENSMUSG00000085331	1.70913354	-1.0096659	0.04638944	lncRNA
Gm42802	ENSMUSG00000106760	-0.4845027	6.34274304	0.04642641	lncRNA
RP24-172K3.1	ENSMUSG00000109402	-0.7156288	5.43298481	0.04646674	lncRNA
4930526F13Rik	ENSMUSG00000087335	-0.7001598	6.04581844	0.04650461	lncRNA
1700041C23Rik	ENSMUSG00000100282	-1.0785151	3.73015563	0.04679139	lncRNA
Gm15323	ENSMUSG00000086092	-0.4674011	7.32967511	0.04691253	lncRNA
C330013E15Rik	ENSMUSG00000097093	-1.0377608	3.21509722	0.04722806	lncRNA
4930448D08Rik	ENSMUSG00000086824	-0.5326791	5.97428323	0.04736037	lncRNA
Gm44110	ENSMUSG00000107855	2.10776811	0.36612482	0.04740779	lncRNA
4931406G06Rik	ENSMUSG00000085398	-0.6990987	6.42928177	0.04758229	lncRNA
Gm15510	ENSMUSG00000086604	-1.6290001	-0.872224	0.04769386	lncRNA
4930597O21Rik	ENSMUSG00000053442	-1.1287744	2.66788219	0.04795256	lncRNA
Gm17197	ENSMUSG00000090990	-1.151787	-1.0703443	0.0480339	lncRNA
Gm43109	ENSMUSG00000104653	-1.3577459	-1.0096659	0.04812287	lncRNA
Gm15985	ENSMUSG00000085497	1.8788608	1.3826496	0.04829238	lncRNA
Gm15895	ENSMUSG00000085068	1.38304472	2.46098491	0.04830022	lncRNA
Adap2os	ENSMUSG00000086507	-1.4577836	-0.9643447	0.04839417	lncRNA
RP23-470G18.4	ENSMUSG00000108725	-1.4577836	-0.9643447	0.04839417	lncRNA
Gm28258	ENSMUSG00000101559	1.89363059	1.37455458	0.04842915	lncRNA
Gm38204	ENSMUSG00000103676	1.203161	3.90919396	0.04847644	lncRNA
Gm30292	ENSMUSG00000104109	-1.7187644	0.96635089	0.04891945	lncRNA
4930542C16Rik	ENSMUSG00000048628	-1.6371229	-0.8980303	0.0489399	lncRNA
Gm11417	ENSMUSG00000085130	-1.6371229	-0.8980303	0.0489399	lncRNA
Gm15701	ENSMUSG00000086656	-0.8882055	3.79126722	0.04898679	lncRNA
Gm43248	ENSMUSG00000105218	-0.6311956	5.84684049	0.04927296	lncRNA

C430042M11Rik	ENSMUSG00000097254	-2.1217498	-0.1920865	0.04933663	lncRNA
2210420H20Rik	ENSMUSG00000101773	1.85318767	2.43447058	0.04935667	lncRNA
RP24-554K14.5	ENSMUSG00000108613	1.14915461	2.72564871	0.04940018	lncRNA
Gm44066	ENSMUSG00000107946	-0.7288	7.16976903	0.04961155	lncRNA
Gm14319	ENSMUSG00000085411	-2.0383866	0.49029003	0.04964121	lncRNA
Gm12708	ENSMUSG00000084918	0.55256875	8.68677045	0.04978915	lncRNA
Gm11465	ENSMUSG00000086820	-0.5584714	4.94845639	0.04981484	lncRNA
7330404K18Rik	ENSMUSG00000084942	-0.9070859	4.74690186	0.04986772	lncRNA

FC, fold change; AveExpr, average expression value.