

Supplementary table IV. Identification of novel lncRNAs that are differentially displayed in SLE patients using RNA-sequencing

Gene ID	Symbol	Means– HC (FPKM)	Means– SLE (FPKM)	Fold change	Up/Down	Probability
LXLOC_077699	9030616G12Rik	0.000	28.760	6.315	Up	< 0.001
LXLOC_029786	–	0.000	3.570	5.627	Up	0.032
LXLOC_055012	PPP2R3C	0.000	17.380	5.589	Up	< 0.001
LXLOC_072172	–	0.000	16.330	5.499	Up	< 0.001
LXLOC_016723	117Wis5	0.000	11.000	4.929	Up	< 0.001
LXLOC_013341	–	0.000	10.000	4.791	Up	< 0.001
LXLOC_093778	–	0.000	9.500	4.717	Up	0.001
LXLOC_093553	–	0.000	9.500	4.717	Up	0.001
LXLOC_071847	Btbd35f1	0.000	7.800	4.433	Up	0.002
LXLOC_054115	PTOS2	28.000	400.000	4.306	Up	< 0.001
LXLOC_013523	–	0.000	7.000	4.277	Up	0.004
LXLOC_060347	Cep78	0.000	7.000	4.277	Up	0.004
LXLOC_037786	TM4SF	0.000	7.000	4.277	Up	0.004
LXLOC_020864	–	0.000	7.000	4.277	Up	0.004
LXLOC_068735	Mrps18c	0.000	6.620	4.196	Up	0.005
LXLOC_010455	ECI2	10.000	123.000	4.090	Up	< 0.001
LXLOC_049652	fs(2)ltoAPV63	0.000	6.000	4.054	Up	0.008
LXLOC_010143	CLEC3A	0.000	6.000	4.054	Up	0.008
LXLOC_084445	LZTS2	0.000	6.000	4.054	Up	0.008
LXLOC_029643	Sv2c	0.000	5.900	4.030	Up	0.009
LXLOC_058088	–	0.000	5.980	4.021	Up	0.009
LXLOC_057788	RFMN	0.000	5.500	3.929	Up	0.013
LXLOC_078746	–	0.000	5.430	3.910	Up	0.013
LXLOC_083416	FCRL5	0.000	5.030	3.800	Up	0.018
LXLOC_055446	–	0.000	5.000	3.791	Up	0.019
LXLOC_060622	–	0.000	5.000	3.791	Up	0.019
LXLOC_054453	RIN2	0.000	5.000	3.791	Up	0.019
LXLOC_002260	FGFR1	0.000	5.000	3.791	Up	0.019
LXLOC_066447	Mgst3	1.000	9.000	3.639	Up	0.002
LXLOC_083675	Bicc1	0.000	4.500	3.639	Up	0.028
LXLOC_036453	–	2.920	24.240	3.523	Up	< 0.001
LXLOC_045819	–	1.000	8.000	3.469	Up	0.004
LXLOC_098248	–	1.000	8.000	3.469	Up	0.004
LXLOC_010145	–	1.000	8.000	3.469	Up	0.004
LXLOC_068316	Apoo	1.000	7.000	3.277	Up	0.009
LXLOC_039906	a10	1.000	7.000	3.277	Up	0.009
LXLOC_098361	–	1.000	7.000	3.277	Up	0.009
LXLOC_023100	–	1.000	6.500	3.170	Up	0.013
LXLOC_083381	–	3.740	23.890	3.145	Up	< 0.001
LXLOC_081000	Rad54l2	1.120	7.050	3.123	Up	0.01
LXLOC_060345	Nrip2	2.000	12.000	3.054	Up	0.001
LXLOC_091317	–	2.000	12.000	3.054	Up	0.001
LXLOC_016171	Il17a	1.000	6.000	3.054	Up	0.018
LXLOC_032713	CG10598	1.000	6.000	3.054	Up	0.018
LXLOC_078103	8430431K14Rik	1.030	6.110	3.038	Up	0.018
LXLOC_077324	–	5.000	25.500	2.820	Up	< 0.001
LXLOC_054280	–	5.000	23.500	2.702	Up	< 0.001
LXLOC_012284	–	3.000	14.000	2.692	Up	0.001
LXLOC_064293	Stk32b	1.580	7.050	2.627	Up	0.018
LXLOC_057953	–	8.070	34.460	2.564	Up	< 0.001
LXLOC_068911	Pygo2	3.000	12.000	2.469	Up	0.003
LXLOC_026880	–	2.000	8.000	2.469	Up	0.015

LXLOC_060613	Kcnq4	2.000	8.000	2.469	Up	0.015
LXLOC_091316	GUSBP11	4.000	15.000	2.376	Up	0.001
LXLOC_084798	C19orf48	3.000	11.000	2.344	Up	0.006
LXLOC_084061	MAGT1	2.260	8.190	2.327	Up	0.017
LXLOC_043196	CG5455	13.000	47.000	2.324	Up	< 0.001
LXLOC_078745	9530097N15Rik	40.000	140.000	2.277	Up	< 0.001
LXLOC_010467	ZNHIT1	2.000	7.000	2.277	Up	0.03
LXLOC_021009	T(1;14)1Po	2.000	7.000	2.277	Up	0.03
LXLOC_013243	Defa9	5.500	18.500	2.219	Up	0.001
LXLOC_073356	1700054O05Rik	10.000	30.000	2.054	Up	< 0.001
LXLOC_045306	–	5.000	15.000	2.054	Up	0.003
LXLOC_057480	PLEKHG1	5.000	15.000	2.054	Up	0.003
LXLOC_064975	MRPL41	4.000	12.000	2.054	Up	0.008
LXLOC_063313	–	3.000	9.000	2.054	Up	0.021
LXLOC_098070	–	3.000	9.000	2.054	Up	0.021
LXLOC_036970	–	3.000	9.000	2.054	Up	0.021
LXLOC_088293	–	3.000	9.000	2.054	Up	0.021
LXLOC_067407	Cycl1	3.000	9.000	2.054	Up	0.021
LXLOC_032755	–	2.490	7.430	2.047	Up	0.036
LXLOC_047894	hbn	3.070	9.060	2.031	Up	0.021
LXLOC_006098	ROS1	85.000	248.790	2.019	Up	< 0.001
LXLOC_011294	–	15.000	2.690	–2.010	Down	0.012
LXLOC_087856	–	20.130	3.600	–2.014	Down	0.004
LXLOC_061840	D19Mit94	366.720	65.470	–2.016	Down	< 0.001
LXLOC_091626	–	56.230	10.000	–2.022	Down	< 0.001
LXLOC_037636	YME1L	17.870	3.160	–2.030	Down	0.006
LXLOC_045757	beta' COP	51.000	9.000	–2.033	Down	< 0.001
LXLOC_007022	TFAP2C	34.000	6.000	–2.033	Down	< 0.001
LXLOC_101010	AW742247	17.000	3.000	–2.033	Down	0.007
LXLOC_098440	–	17.000	3.000	–2.033	Down	0.007
LXLOC_022719	Zfp61	17.000	3.000	–2.033	Down	0.007
LXLOC_001947	EFNB1	22.760	4.000	–2.039	Down	0.002
LXLOC_067242	Gemin6	39.540	6.930	–2.043	Down	< 0.001
LXLOC_072265	Tram1	31.500	5.500	–2.048	Down	< 0.001
LXLOC_090535	–	17.800	3.100	–2.052	Down	0.006
LXLOC_037507	CG9308	23.000	4.000	–2.054	Down	0.002
LXLOC_083533	Aifm1	11.500	2.000	–2.054	Down	0.026
LXLOC_089116	–	14.500	2.500	–2.067	Down	0.012
LXLOC_043156	E(spl)m3–HLH	11.100	1.910	–2.070	Down	0.028
LXLOC_093977	–	17.500	3.000	–2.075	Down	0.006
LXLOC_087343	–	55.070	9.430	–2.077	Down	< 0.001
LXLOC_084715	–	11.740	2.000	–2.084	Down	0.024
LXLOC_044802	c	77.000	13.000	–2.097	Down	< 0.001
LXLOC_088447	–	60.000	10.000	–2.116	Down	< 0.001
LXLOC_082724	–	42.000	7.000	–2.116	Down	< 0.001
LXLOC_088579	–	18.000	3.000	–2.116	Down	0.005
LXLOC_044528	pt	18.000	3.000	–2.116	Down	0.005
LXLOC_074832	–	18.000	3.000	–2.116	Down	0.005
LXLOC_039874	CG13025	18.000	3.000	–2.116	Down	0.005
LXLOC_061759	D4Mit236	12.000	2.000	–2.116	Down	0.021
LXLOC_088486	–	12.000	2.000	–2.116	Down	0.021
LXLOC_040890	MstProx	12.000	2.000	–2.116	Down	0.021
LXLOC_043774	CG31998	12.000	2.000	–2.116	Down	0.021
LXLOC_047866	–	12.000	2.000	–2.116	Down	0.021
LXLOC_101352	–	12.000	2.000	–2.116	Down	0.021
LXLOC_046498	l(2)39ADa	12.000	2.000	–2.116	Down	0.021
LXLOC_063019	D16Mit106	12.000	2.000	–2.116	Down	0.021
LXLOC_010253	SPRY2	213.000	35.000	–2.136	Down	< 0.001

LXLOC_061812	D2Mit372	15.430	2.510	-2.151	Down	0.008
LXLOC_088466	-	48.910	7.930	-2.155	Down	< 0.001
LXLOC_040542	Vps24	11.600	1.880	-2.156	Down	0.022
LXLOC_069099	1810009N02Rik	12.950	2.090	-2.162	Down	0.015
LXLOC_084045	-	14.250	2.290	-2.168	Down	0.011
LXLOC_040858	gfzf	115.500	18.500	-2.173	Down	< 0.001
LXLOC_073998	Herc3	25.000	4.000	-2.174	Down	0.001
LXLOC_092856	IMP4	25.000	4.000	-2.174	Down	0.001
LXLOC_098026	-	12.500	2.000	-2.174	Down	0.016
LXLOC_093789	-	69.850	11.170	-2.175	Down	< 0.001
LXLOC_053522	lectin-46Cb	50.120	8.000	-2.178	Down	< 0.001
LXLOC_078027	4930535L15Rik	66.000	10.500	-2.183	Down	< 0.001
LXLOC_098251	-	29.040	4.600	-2.189	Down	< 0.001
LXLOC_045148	-	28.740	4.550	-2.190	Down	< 0.001
LXLOC_095633	-	19.000	3.000	-2.194	Down	0.003
LXLOC_055157	DARS2	19.000	3.000	-2.194	Down	0.003
LXLOC_095129	-	61.520	9.650	-2.203	Down	< 0.001
LXLOC_062215	D16Mit50	185.000	29.000	-2.204	Down	< 0.001
LXLOC_061625	D8Mit264	27.830	4.340	-2.212	Down	< 0.001
LXLOC_040740	CG10280	32.080	5.000	-2.212	Down	< 0.001
LXLOC_080709	AKNA	45.000	7.000	-2.215	Down	< 0.001
LXLOC_018390	Oprm1	22.500	3.500	-2.215	Down	0.001
LXLOC_077512	-	20.310	3.150	-2.219	Down	0.002
LXLOC_062613	D13Mit161	12.970	2.000	-2.228	Down	0.013
LXLOC_011696	-	12.990	2.000	-2.230	Down	0.013
LXLOC_072949	Ccnt2	26.000	4.000	-2.231	Down	< 0.001
LXLOC_092470	-	13.000	2.000	-2.231	Down	0.013
LXLOC_040302	HIPP1	13.000	2.000	-2.231	Down	0.013
LXLOC_023286	WWC1	29.500	4.500	-2.243	Down	< 0.001
LXLOC_089156	-	22.950	3.500	-2.244	Down	0.001
LXLOC_023287	AGTPBP1	23.000	3.500	-2.247	Down	0.001
LXLOC_093912	D16Jhu50	13.700	2.080	-2.250	Down	0.01
LXLOC_024177	Afp	33.000	5.000	-2.253	Down	< 0.001
LXLOC_022147	Tuba3b	39.620	6.000	-2.254	Down	< 0.001
LXLOC_011420	-	13.220	2.000	-2.255	Down	0.012
LXLOC_049057	l(1)11Ag	13.670	2.060	-2.261	Down	0.01
LXLOC_013064	Cycs-ps1	40.000	6.000	-2.268	Down	< 0.001
LXLOC_078053	-	40.000	6.000	-2.268	Down	< 0.001
LXLOC_101453	-	20.000	3.000	-2.268	Down	0.002
LXLOC_077705	9230104L09Rik	10.000	1.500	-2.268	Down	0.028
LXLOC_083421	-	10.000	1.500	-2.268	Down	0.028
LXLOC_078025	4930540M03Rik	10.000	1.500	-2.268	Down	0.028
LXLOC_059664	-	10.000	1.500	-2.268	Down	0.028
LXLOC_088804	-	47.000	7.000	-2.278	Down	< 0.001
LXLOC_020119	-	27.000	4.000	-2.286	Down	< 0.001
LXLOC_083702	Akr1c6	13.500	2.000	-2.286	Down	0.01
LXLOC_069862	1810064F22Rik	11.260	1.650	-2.301	Down	0.018
LXLOC_087235	-	41.000	6.000	-2.303	Down	< 0.001
LXLOC_100786	-	65.070	9.490	-2.308	Down	< 0.001
LXLOC_069514	Lce3e	106.600	15.450	-2.317	Down	< 0.001
LXLOC_013077	Cyp1a2	21.700	3.140	-2.319	Down	0.001
LXLOC_026063	DECR2	10.660	1.530	-2.331	Down	0.021
LXLOC_041431	glo	28.000	4.000	-2.338	Down	< 0.001
LXLOC_041280	CG31391	28.000	4.000	-2.338	Down	< 0.001
LXLOC_059603	-	21.000	3.000	-2.338	Down	0.001
LXLOC_087071	-	21.000	3.000	-2.338	Down	0.001
LXLOC_007019	TFAM	14.000	2.000	-2.338	Down	0.008
LXLOC_066880	Rsrc1	10.500	1.500	-2.338	Down	0.022

LXLOC_055392	–	35.500	5.000	–2.358	Down	< 0.001
LXLOC_008004	–	33.810	4.700	–2.377	Down	< 0.001
LXLOC_093827	–	10.670	1.480	–2.381	Down	0.019
LXLOC_010249	GLYAT	29.000	4.000	–2.389	Down	< 0.001
LXLOC_054879	ST7L	29.000	4.000	–2.389	Down	< 0.001
LXLOC_098143	–	21.880	3.000	–2.397	Down	0.001
LXLOC_072138	–	11.000	1.500	–2.405	Down	0.017
LXLOC_086351	–	13.400	1.810	–2.419	Down	0.008
LXLOC_007945	PUJO	69.790	9.410	–2.421	Down	< 0.001
LXLOC_032936	ND–18	15.000	2.000	–2.438	Down	0.005
LXLOC_090940	–	15.000	2.000	–2.438	Down	0.005
LXLOC_064707	Suv39h2	15.000	2.000	–2.438	Down	0.005
LXLOC_053740	D1Byu25	15.000	2.000	–2.438	Down	0.005
LXLOC_036440	Cap–G	57.510	7.610	–2.448	Down	< 0.001
LXLOC_060830	D12Mit1002	53.000	7.000	–2.451	Down	< 0.001
LXLOC_007854	–	26.780	3.520	–2.458	Down	< 0.001
LXLOC_085322	–	23.070	3.030	–2.459	Down	< 0.001
LXLOC_022820	COPG1	93.940	12.330	–2.460	Down	< 0.001
LXLOC_018676	Phf2	38.740	5.060	–2.467	Down	< 0.001
LXLOC_029804	–	11.500	1.500	–2.469	Down	0.013
LXLOC_033439	Cyp309a2	15.340	2.000	–2.470	Down	0.004
LXLOC_026583	DUX4L8	23.400	3.040	–2.475	Down	< 0.001
LXLOC_070599	Ssfa2	76.000	9.830	–2.481	Down	< 0.001
LXLOC_051884	–	31.000	4.000	–2.485	Down	< 0.001
LXLOC_042872	CG5510	15.530	2.000	–2.488	Down	0.004
LXLOC_095558	–	7.830	1.000	–2.500	Down	0.039
LXLOC_032906	HP1D3csd	31.500	4.000	–2.508	Down	< 0.001
LXLOC_040912	Nlg3	202.240	25.680	–2.508	Down	< 0.001
LXLOC_023237	ARC	12.500	1.580	–2.515	Down	0.009
LXLOC_078041	–	15.780	1.990	–2.518	Down	0.003
LXLOC_047128	–	11.200	1.410	–2.520	Down	0.013
LXLOC_059173	CG18812	56.000	7.000	–2.531	Down	< 0.001
LXLOC_090941	–	24.000	3.000	–2.531	Down	< 0.001
LXLOC_060813	D4Mit46	16.000	2.000	–2.531	Down	0.003
LXLOC_017058	–	16.000	2.000	–2.531	Down	0.003
LXLOC_074174	Gtsf1	16.000	2.000	–2.531	Down	0.003
LXLOC_026896	Med14	16.000	2.000	–2.531	Down	0.003
LXLOC_001991	ELANE	8.000	1.000	–2.531	Down	0.036
LXLOC_051473	DCDC2	8.000	1.000	–2.531	Down	0.036
LXLOC_029998	BICRA	8.000	1.000	–2.531	Down	0.036
LXLOC_034647	atilla	8.000	1.000	–2.531	Down	0.036
LXLOC_051196	PLCE1	8.000	1.000	–2.531	Down	0.036
LXLOC_057011	–	8.000	1.000	–2.531	Down	0.036
LXLOC_039949	CG7589	8.000	1.000	–2.531	Down	0.036
LXLOC_054444	–	8.000	1.000	–2.531	Down	0.036
LXLOC_096017	–	8.000	1.000	–2.531	Down	0.036
LXLOC_006439	SFTPB	8.000	1.000	–2.531	Down	0.036
LXLOC_021830	Theg	8.040	1.000	–2.538	Down	0.035
LXLOC_023701	–	8.100	1.000	–2.549	Down	0.034
LXLOC_051476	–	8.140	1.000	–2.556	Down	0.033
LXLOC_096497	–	57.000	7.000	–2.556	Down	< 0.001
LXLOC_069103	1810015A16Rik	7.960	0.000	–2.567	Down	0.035
LXLOC_016104	–	8.280	1.000	–2.580	Down	0.031
LXLOC_057816	Tesc	18.880	2.280	–2.580	Down	0.001
LXLOC_008386	OR1D5	12.500	1.500	–2.590	Down	0.008
LXLOC_089169	–	19.930	2.370	–2.603	Down	0.001
LXLOC_097085	–	17.450	2.060	–2.613	Down	0.002
LXLOC_057629	–	17.000	2.000	–2.618	Down	0.002

LXLOC_059652	–	17.000	2.000	–2.618	Down	0.002
LXLOC_026511	CHIC2	17.000	2.000	–2.618	Down	0.002
LXLOC_033187	CG13693	17.000	2.000	–2.618	Down	0.002
LXLOC_044660	xmas–1	17.000	2.000	–2.618	Down	0.002
LXLOC_058156	OPA4	17.000	2.000	–2.618	Down	0.002
LXLOC_022953	P2RX2	8.500	1.000	–2.618	Down	0.027
LXLOC_023375	–	8.500	1.000	–2.618	Down	0.027
LXLOC_101388	–	8.500	1.000	–2.618	Down	0.027
LXLOC_036515	S–Lap5	66.350	7.690	–2.640	Down	< 0.001
LXLOC_016916	–	389.000	45.000	–2.642	Down	< 0.001
LXLOC_081393	–	15.480	1.790	–2.643	Down	0.003
LXLOC_060340	–	9.000	1.040	–2.644	Down	0.023
LXLOC_050077	–	8.660	1.000	–2.645	Down	0.025
LXLOC_040451	RpLP0	26.000	3.000	–2.646	Down	< 0.001
LXLOC_093960	Nkd1	13.000	1.500	–2.646	Down	0.006
LXLOC_088566	–	11.230	1.290	–2.653	Down	0.011
LXLOC_023245	ASTN2	38.070	4.360	–2.657	Down	< 0.001
LXLOC_006957	TRB	16.150	1.810	–2.688	Down	0.002
LXLOC_043772	CG2316	54.000	6.000	–2.701	Down	< 0.001
LXLOC_075447	–	18.000	2.000	–2.701	Down	0.001
LXLOC_085483	Ciita	18.000	2.000	–2.701	Down	0.001
LXLOC_078339	Ttyh3	9.000	1.000	–2.701	Down	0.021
LXLOC_033205	CG11912	9.000	1.000	–2.701	Down	0.021
LXLOC_057083	–	9.000	1.000	–2.701	Down	0.021
LXLOC_007686	MKRN7P	9.000	1.000	–2.701	Down	0.021
LXLOC_078850	9530078B04Rik	9.000	1.000	–2.701	Down	0.021
LXLOC_012760	–	9.000	1.000	–2.701	Down	0.021
LXLOC_035627	pgant3	9.000	1.000	–2.701	Down	0.021
LXLOC_101225	–	9.000	1.000	–2.701	Down	0.021
LXLOC_051119	SBDS	9.000	1.000	–2.701	Down	0.021
LXLOC_078021	4930513L16Rik	186.320	20.600	–2.708	Down	< 0.001
LXLOC_093662	Cdhr1	9.090	1.000	–2.715	Down	0.02
LXLOC_054306	–	27.650	3.000	–2.735	Down	< 0.001
LXLOC_010037	–	37.000	4.000	–2.740	Down	< 0.001
LXLOC_002541	G6PR	9.280	1.000	–2.745	Down	0.018
LXLOC_003701	–	40.630	4.330	–2.761	Down	< 0.001
LXLOC_085493	Abcf1	38.000	4.000	–2.779	Down	< 0.001
LXLOC_063008	D18Mit238	19.000	2.000	–2.779	Down	0.001
LXLOC_077487	C330004M20Rik	19.000	2.000	–2.779	Down	0.001
LXLOC_048527	M(3)96C	19.000	2.000	–2.779	Down	0.001
LXLOC_073305	1700038C09Rik	19.000	2.000	–2.779	Down	0.001
LXLOC_039664	–	15.000	1.550	–2.805	Down	0.002
LXLOC_033042	–	19.540	2.000	–2.819	Down	0.001
LXLOC_006091	ROBO1	68.550	7.000	–2.822	Down	< 0.001
LXLOC_051444	RNF138	40.000	4.000	–2.853	Down	< 0.001
LXLOC_008536	CAMK1	20.000	2.000	–2.853	Down	< 0.001
LXLOC_053935	–	10.000	1.000	–2.853	Down	0.012
LXLOC_060751	D2Mit22	10.000	1.000	–2.853	Down	0.012
LXLOC_031974	–	10.000	1.000	–2.853	Down	0.012
LXLOC_030789	–	10.000	1.000	–2.853	Down	0.012
LXLOC_058804	Cdc42ep5	10.000	1.000	–2.853	Down	0.012
LXLOC_025651	Selp	10.000	1.000	–2.853	Down	0.012
LXLOC_032261	CG42237	10.130	1.000	–2.871	Down	0.011
LXLOC_018680	–	10.140	1.000	–2.873	Down	0.011
LXLOC_025421	Crybb1	10.230	1.000	–2.885	Down	0.011
LXLOC_094090	Trim9	11.880	1.160	–2.887	Down	0.006
LXLOC_054717	–	15.390	1.500	–2.890	Down	0.002
LXLOC_083929	–	15.500	1.500	–2.900	Down	0.002

LXLOC_098430	–	52.000	5.000	–2.909	Down	< 0.001
LXLOC_019690	–	21.000	2.000	–2.923	Down	< 0.001
LXLOC_098315	–	10.530	1.000	–2.927	Down	0.009
LXLOC_083339	–	152.030	14.360	–2.935	Down	< 0.001
LXLOC_036757	CG8314	32.000	3.000	–2.946	Down	< 0.001
LXLOC_060129	–	18.300	1.710	–2.950	Down	0.001
LXLOC_101439	–	10.720	1.000	–2.953	Down	0.008
LXLOC_017200	Mc2r	21.550	2.000	–2.960	Down	< 0.001
LXLOC_070877	–	22.000	2.000	–2.990	Down	< 0.001
LXLOC_071236	Rsph14	11.000	1.000	–2.990	Down	0.007
LXLOC_030915	–	11.000	1.000	–2.990	Down	0.007
LXLOC_098091	–	11.000	1.000	–2.990	Down	0.007
LXLOC_042558	CG42335	11.000	1.000	–2.990	Down	0.007
LXLOC_070416	–	11.000	1.000	–2.990	Down	0.007
LXLOC_042147	–	11.000	1.000	–2.990	Down	0.007
LXLOC_092831	–	11.000	1.000	–2.990	Down	0.007
LXLOC_003424	IDSP1	11.000	1.000	–2.990	Down	0.007
LXLOC_006924	ELOA	26.980	2.400	–3.021	Down	< 0.001
LXLOC_026322	OR4H6P	86.540	7.670	–3.027	Down	< 0.001
LXLOC_004337	MOCS1	23.000	2.000	–3.054	Down	< 0.001
LXLOC_061502	D7Mit222	12.710	1.100	–3.061	Down	0.003
LXLOC_026005	C2CD3	90.910	7.790	–3.075	Down	< 0.001
LXLOC_045769	l(3)89Ad	11.850	1.000	–3.097	Down	0.005
LXLOC_072266	–	31.560	2.630	–3.116	Down	< 0.001
LXLOC_077171	8030455M16Rik	24.000	2.000	–3.116	Down	< 0.001
LXLOC_006285	S100B	24.000	2.000	–3.116	Down	< 0.001
LXLOC_014979	H2–Ke6	12.000	1.000	–3.116	Down	0.004
LXLOC_043631	–	12.000	1.000	–3.116	Down	0.004
LXLOC_036584	CG8531	6.170	0.000	–3.156	Down	0.039
LXLOC_025926	NOL11	12.500	1.000	–3.174	Down	0.003
LXLOC_092032	–	6.390	0.000	–3.206	Down	0.034
LXLOC_093779	–	6.910	0.000	–3.208	Down	0.028
LXLOC_006076	SNORD13P1	6.450	0.000	–3.220	Down	0.033
LXLOC_062188	D15Mit46	6.460	0.000	–3.222	Down	0.033
LXLOC_084161	–	6.490	0.000	–3.229	Down	0.033
LXLOC_061193	D1Mit110	12.990	1.000	–3.230	Down	0.002
LXLOC_033585	CG15418	26.000	2.000	–3.231	Down	< 0.001
LXLOC_006251	RSU1	13.000	1.000	–3.231	Down	0.002
LXLOC_089111	–	6.500	0.000	–3.231	Down	0.032
LXLOC_078058	4930578E11Rik	6.500	0.000	–3.231	Down	0.032
LXLOC_093981	DYRK1AIP2	6.500	0.000	–3.231	Down	0.032
LXLOC_061596	D9Mit277	6.500	0.000	–3.231	Down	0.032
LXLOC_083487	–	6.500	0.000	–3.231	Down	0.032
LXLOC_029383	Fah	6.500	0.000	–3.231	Down	0.032
LXLOC_002978	GUCA1A	6.520	0.000	–3.236	Down	0.032
LXLOC_054399	Bet1l	112.550	8.500	–3.258	Down	< 0.001
LXLOC_036430	CG13321	37.760	2.840	–3.264	Down	< 0.001
LXLOC_043155	E(spl)m2–BFM	6.670	0.000	–3.268	Down	0.029
LXLOC_027814	256O10F	6.820	0.000	–3.300	Down	0.027
LXLOC_093984	–	27.500	2.000	–3.312	Down	< 0.001
LXLOC_097921	–	20.080	1.460	–3.312	Down	< 0.001
LXLOC_081743	Pde2a	6.980	0.000	–3.334	Down	0.025
LXLOC_085930	–	14.000	1.000	–3.338	Down	0.001
LXLOC_100156	–	7.000	0.000	–3.338	Down	0.024
LXLOC_073576	1700092E19Rik	7.000	0.000	–3.338	Down	0.024
LXLOC_018053	Ngfr	7.000	0.000	–3.338	Down	0.024
LXLOC_074031	–	7.000	0.000	–3.338	Down	0.024
LXLOC_062395	D17Mit16	7.000	0.000	–3.338	Down	0.024

LXLOC_041859	mRpL9	7.000	0.000	-3.338	Down	0.024
LXLOC_007221	TRPC2	7.000	0.000	-3.338	Down	0.024
LXLOC_020983	Syt4	7.000	0.000	-3.338	Down	0.024
LXLOC_028551	-	7.000	0.000	-3.338	Down	0.024
LXLOC_041279	pug	7.000	0.000	-3.338	Down	0.024
LXLOC_012919	Crhbp	7.000	0.000	-3.338	Down	0.024
LXLOC_069098	-	7.000	0.000	-3.338	Down	0.024
LXLOC_057199	-	7.000	0.000	-3.338	Down	0.024
LXLOC_000095	ACY1	7.000	0.000	-3.338	Down	0.024
LXLOC_060733	D1Mit19	7.000	0.000	-3.338	Down	0.024
LXLOC_036458	CG4630	7.000	0.000	-3.338	Down	0.024
LXLOC_071534	9030408N04Rik	34.650	2.470	-3.341	Down	< 0.001
LXLOC_017886	Myh9	14.030	1.000	-3.341	Down	0.001
LXLOC_060893	D8Mit25	7.020	0.000	-3.342	Down	0.024
LXLOC_056294	Ptpn9	7.030	0.000	-3.344	Down	0.024
LXLOC_039905	CG6652	7.040	0.000	-3.346	Down	0.024
LXLOC_073684	-	7.110	0.000	-3.360	Down	0.023
LXLOC_088471	-	7.150	0.000	-3.369	Down	0.022
LXLOC_061850	D1Mit400	29.000	2.000	-3.389	Down	< 0.001
LXLOC_037836	CG3163	7.290	0.000	-3.397	Down	0.021
LXLOC_032081	Tim8	15.000	1.000	-3.438	Down	0.001
LXLOC_025919	-	7.500	0.000	-3.438	Down	0.018
LXLOC_013250	Del(1)42H	7.500	0.000	-3.438	Down	0.018
LXLOC_088818	-	7.500	0.000	-3.438	Down	0.018
LXLOC_040705	-	17.060	1.120	-3.460	Down	< 0.001
LXLOC_003918	LAMC2	31.000	2.000	-3.485	Down	< 0.001
LXLOC_008256	-	7.990	0.000	-3.529	Down	0.014
LXLOC_032920	Vav	16.000	1.000	-3.531	Down	< 0.001
LXLOC_025857	-	11.040	0.000	-3.531	Down	0.004
LXLOC_039461	Ent3	8.000	0.000	-3.531	Down	0.014
LXLOC_074723	-	8.000	0.000	-3.531	Down	0.014
LXLOC_089935	-	8.000	0.000	-3.531	Down	0.014
LXLOC_026508	HEYL	8.000	0.000	-3.531	Down	0.014
LXLOC_096385	-	8.000	0.000	-3.531	Down	0.014
LXLOC_024769	Sct	8.000	0.000	-3.531	Down	0.014
LXLOC_031924	CG15249	8.000	0.000	-3.531	Down	0.014
LXLOC_074831	-	8.000	0.000	-3.531	Down	0.014
LXLOC_065675	-	8.000	0.000	-3.531	Down	0.014
LXLOC_043276	CG42813	8.000	0.000	-3.531	Down	0.014
LXLOC_067053	Rpp14	13.800	0.000	-3.535	Down	0.001
LXLOC_054895	-	7.740	0.000	-3.603	Down	0.015
LXLOC_028625	TRBJ2-4	17.000	1.000	-3.618	Down	< 0.001
LXLOC_083734	ATG10	8.500	0.000	-3.618	Down	0.01
LXLOC_022954	TRIM32	8.500	0.000	-3.618	Down	0.01
LXLOC_057784	Bin3	8.500	0.000	-3.618	Down	0.01
LXLOC_093712	Pcdhga4	8.500	0.000	-3.618	Down	0.01
LXLOC_087980	-	36.780	2.120	-3.647	Down	< 0.001
LXLOC_004724	NDUFS4	8.810	0.000	-3.670	Down	0.009
LXLOC_022871	NLGN1	30.250	1.710	-3.676	Down	< 0.001
LXLOC_077503	-	16.470	0.000	-3.677	Down	< 0.001
LXLOC_093552	-	8.970	0.000	-3.696	Down	0.008
LXLOC_005905	RANGAP1	36.000	2.000	-3.701	Down	< 0.001
LXLOC_006067	-	18.000	1.000	-3.701	Down	< 0.001
LXLOC_047528	-	18.000	1.000	-3.701	Down	< 0.001
LXLOC_052863	D16Bwg1278e	9.000	0.000	-3.701	Down	0.008
LXLOC_065633	-	9.000	0.000	-3.701	Down	0.008
LXLOC_088487	-	9.000	0.000	-3.701	Down	0.008
LXLOC_001434	CSE1L	9.000	0.000	-3.701	Down	0.008

LXLOC_025853	DCAF12	9.000	0.000	-3.701	Down	0.008
LXLOC_089425	-	9.030	0.000	-3.705	Down	0.008
LXLOC_022760	-	18.500	1.000	-3.740	Down	< 0.001
LXLOC_083496	bambia	9.310	0.000	-3.749	Down	0.007
LXLOC_054095	-	12.060	0.000	-3.767	Down	0.002
LXLOC_029382	Ctbp1	9.490	0.000	-3.777	Down	0.006
LXLOC_084348	Ackr3	38.000	2.000	-3.779	Down	< 0.001
LXLOC_045162	-	19.000	1.000	-3.779	Down	< 0.001
LXLOC_079345	OR51B2	19.000	1.000	-3.779	Down	< 0.001
LXLOC_096592	-	19.000	1.000	-3.779	Down	< 0.001
LXLOC_013044	-	9.500	0.000	-3.779	Down	0.006
LXLOC_000773	CACNA1A	19.790	1.040	-3.781	Down	< 0.001
LXLOC_032960	-	9.950	0.000	-3.845	Down	0.005
LXLOC_080572	-	20.000	1.000	-3.853	Down	< 0.001
LXLOC_080682	-	20.000	1.000	-3.853	Down	< 0.001
LXLOC_034702	CG5142	20.000	1.000	-3.853	Down	< 0.001
LXLOC_040711	CG2091	10.000	0.000	-3.853	Down	0.004
LXLOC_062217	D16Mit59	10.000	0.000	-3.853	Down	0.004
LXLOC_069101	Ydjc	10.000	0.000	-3.853	Down	0.004
LXLOC_004805	NHCP1	10.000	0.000	-3.853	Down	0.004
LXLOC_026509	MYOF	10.000	0.000	-3.853	Down	0.004
LXLOC_095439	-	10.010	0.000	-3.854	Down	0.004
LXLOC_075822	4930524C18Rik	10.020	0.000	-3.855	Down	0.004
LXLOC_015541	-	10.070	0.000	-3.863	Down	0.004
LXLOC_080520	-	10.280	0.000	-3.892	Down	0.004
LXLOC_086485	-	10.520	0.000	-3.926	Down	0.003
LXLOC_050822	-	11.000	0.000	-3.990	Down	0.003
LXLOC_027095	TRAPPC3	11.000	0.000	-3.990	Down	0.003
LXLOC_065622	-	11.000	0.000	-3.990	Down	0.003
LXLOC_100766	-	11.000	0.000	-3.990	Down	0.003
LXLOC_011620	-	11.000	0.000	-3.990	Down	0.003
LXLOC_038210	CG13930	11.000	0.000	-3.990	Down	0.003
LXLOC_050182	-	11.000	0.000	-3.990	Down	0.003
LXLOC_008456	FOXN1	11.220	0.000	-4.019	Down	0.002
LXLOC_023195	MDN1	9.010	0.000	-4.098	Down	0.006
LXLOC_067900	Mtfp1	12.000	0.000	-4.116	Down	0.001
LXLOC_030211	pyya	12.000	0.000	-4.116	Down	0.001
LXLOC_055008	HERC6	34.780	1.420	-4.145	Down	< 0.001
LXLOC_083574	Rxrg	103.620	4.070	-4.201	Down	< 0.001
LXLOC_049345	l(2)52ACg	6.980	0.000	-4.223	Down	0.015
LXLOC_097526	C78591	13.000	0.000	-4.231	Down	0.001
LXLOC_021471	-	13.000	0.000	-4.231	Down	0.001
LXLOC_092833	-	13.000	0.000	-4.231	Down	0.001
LXLOC_023362	PSD3	13.500	0.000	-4.286	Down	0.001
LXLOC_083724	Ncoa2	13.670	0.000	-4.304	Down	0.001
LXLOC_032811	-	13.860	0.000	-4.323	Down	0.001
LXLOC_020636	-	13.950	0.000	-4.333	Down	0.001
LXLOC_008986	RPS6KA4	14.260	0.000	-4.365	Down	< 0.001
LXLOC_036402	-	14.500	0.000	-4.389	Down	< 0.001
LXLOC_013368	Dffb	14.800	0.000	-4.418	Down	< 0.001
LXLOC_089182	-	14.850	0.000	-4.423	Down	< 0.001
LXLOC_049223	-	14.910	0.000	-4.429	Down	< 0.001
LXLOC_072230	Zfp558	6.870	0.000	-4.431	Down	0.014
LXLOC_072944	-	30.000	1.000	-4.438	Down	< 0.001
LXLOC_080004	ESRP2	15.000	0.000	-4.438	Down	< 0.001
LXLOC_061592	D9Mit281	15.000	0.000	-4.438	Down	< 0.001
LXLOC_051330	TNFRSF12A	15.170	0.000	-4.454	Down	< 0.001
LXLOC_014683	Gnas	15.650	0.000	-4.499	Down	< 0.001

LXLOC_039247	–	15.910	0.000	–4.523	Down	< 0.001
LXLOC_018678	–	16.000	0.000	–4.531	Down	< 0.001
LXLOC_080005	DOCK5	16.000	0.000	–4.531	Down	< 0.001
LXLOC_054832	VPS13C	16.140	0.000	–4.543	Down	< 0.001
LXLOC_067458	Ergic1	17.000	0.000	–4.618	Down	< 0.001
LXLOC_081408	–	17.780	0.000	–4.683	Down	< 0.001
LXLOC_001985	–	18.000	0.000	–4.701	Down	< 0.001
LXLOC_067184	Ndufa13	20.210	0.000	–4.868	Down	< 0.001
LXLOC_092834	–	21.000	0.000	–4.923	Down	< 0.001
LXLOC_088896	–	21.280	0.000	–4.942	Down	< 0.001
LXLOC_060828	D4Mit73	22.000	0.000	–4.990	Down	< 0.001
LXLOC_052862	D18Bwg1488e	23.000	0.000	–5.054	Down	< 0.001
LXLOC_022269	Upk2	23.650	0.000	–5.094	Down	< 0.001
LXLOC_008637	EIF4EBP3	27.940	0.000	–5.335	Down	< 0.001
LXLOC_064925	CCDC71	33.000	0.000	–5.575	Down	< 0.001
LXLOC_054781	–	32.580	0.000	–5.586	Down	< 0.001
LXLOC_089368	–	38.370	0.000	–5.793	Down	< 0.001
LXLOC_083700	JAM3	9.460	0.000	–5.957	Down	0.003
LXLOC_058087	–	50.280	0.000	–6.183	Down	< 0.001
LXLOC_058094	dap1b	50.280	0.000	–6.183	Down	< 0.001
LXLOC_055198	APPL2	21.700	0.000	–6.444	Down	< 0.001
LXLOC_089466	–	19.480	0.000	–6.458	Down	< 0.001
LXLOC_036253	CG13197	47.130	0.000	–9.733	Down	< 0.001