

Table S3. Details of DEGs-antisense RNA

Gene_symbol	log2FoldChange	Padj	Gene_chromosome	Change
<i>Gm20560</i>	-4.477696393	0.02838732	6	Down
<i>Gm48001</i>	-4.031365657	0.034158753	12	Down
<i>Gm13184</i>	-3.878019472	0.048549888	2	Down
<i>Gm16183</i>	-3.732008185	0.014807924	8	Down
<i>Gm42848</i>	-3.396692793	0.000395032	5	Down
<i>Gm47815</i>	-3.070557542	9.80E-06	10	Down
<i>5033421B08Rik</i>	-3.046488446	8.32E-05	12	Down
<i>Gm48837</i>	-2.872108966	0.017640377	13	Down
<i>Gm28800</i>	-2.689669926	0.000173113	1	Down
<i>Gm9888</i>	-2.480965706	0.00052299	9	Down
<i>Dnmt3aos</i>	-2.47570737	2.80E-18	12	Down
<i>Gm44710</i>	-2.206127545	0.008721769	7	Down
<i>4930539J05Rik</i>	-2.137814059	0.015358942	3	Down
<i>Gm21057</i>	-2.055240025	0.023860499	7	Down
<i>Gm10602</i>	-1.998756748	0.001107735	7	Down
<i>Tnfsf13os</i>	-1.936374481	0.000163157	11	Down
<i>1700008B11Rik</i>	-1.866257764	0.044415835	5	Down
<i>Far1os</i>	-1.834662754	0.048197804	7	Down
<i>Gm45449</i>	-1.759760296	0.010465368	8	Down
<i>F630028O10Rik</i>	-1.73560559	1.01E-42	X	Down
<i>Gm13963</i>	-1.692248954	0.049854509	2	Down
<i>Gm45820</i>	-1.670446256	0.01101733	8	Down
<i>Gm44206</i>	-1.645266865	0.028506013	6	Down
<i>Gm26947</i>	-1.570075177	9.07E-16	10	Down
<i>4930473A02Rik</i>	-1.54872006	0.003456538	2	Down
<i>Gm26740</i>	-1.469030632	3.99E-05	10	Down
<i>C920021L13Rik</i>	-1.459186267	0.020840888	3	Down
<i>Gm13091</i>	-1.43528153	0.001984295	4	Down
<i>Gm30329</i>	-1.422826899	2.75E-09	8	Down
<i>4930481A15Rik</i>	-1.411291849	8.98E-05	19	Down
<i>C230037L18Rik</i>	-1.302542029	0.010522554	15	Down
<i>6330562C20Rik</i>	-1.302312567	0.005422527	3	Down
<i>Tmem147os</i>	-1.224910449	0.006126168	7	Down
<i>Gm15545</i>	-1.088971597	0.026191345	7	Down
<i>Gm16685</i>	7.323607967	1.13E-07	3	Up
<i>Gm15987</i>	7.072521673	3.77E-07	6	Up
<i>Gm13822</i>	6.91522192	2.61E-06	5	Up
<i>Gm13571</i>	6.746027348	5.21E-06	2	Up
<i>Gm20655</i>	5.681033575	0.00059409	10	Up
<i>Gm16015</i>	5.646085952	0.003802181	5	Up
<i>Gm26693</i>	5.252898344	0.009546542	17	Up
<i>A630012P03Rik</i>	5.14203699	0.004040299	X	Up
<i>A730090N16Rik</i>	4.488866005	0.037443696	3	Up
<i>Gm12764</i>	4.226445974	0.02719468	7	Up
<i>Gm10552</i>	4.160886344	0.0336598	1	Up
<i>Taco1os</i>	4.086733481	0.023402431	11	Up

<i>Gm43221</i>	4.077213772	0.027065588	3	Up
<i>Gm44418</i>	3.796206852	4.85E-05	6	Up
<i>4930512H18Rik</i>	3.603696858	1.12E-05	8	Up
<i>AC113595.1</i>	2.723430583	2.84E-10	15	Up
<i>Gm15523</i>	2.609735929	0.027556865	12	Up
<i>Gm20234</i>	2.379881272	0.000739913	11	Up
<i>Gm15512</i>	2.370590804	0.003706703	14	Up
<i>Gm4117</i>	2.284853636	0.006518447	13	Up
<i>Gm15133</i>	2.265397889	0.0034075	7	Up
<i>Gm20658</i>	2.173694888	9.38E-25	12	Up
<i>1700058P15Rik</i>	2.086355402	7.84E-09	7	Up
<i>Gm11131</i>	2.060568074	1.56E-06	17	Up
<i>Gm11772</i>	1.891805161	0.000105395	11	Up
<i>A530040E14Rik</i>	1.846959476	1.15E-07	1	Up
<i>Gm15601</i>	1.824517555	6.02E-09	14	Up
<i>Gm10425</i>	1.804278209	4.04E-07	12	Up
<i>Gm16174</i>	1.796568511	0.043264517	7	Up
<i>9530082P21Rik</i>	1.748347512	0.00018501	17	Up
<i>1700071M16Rik</i>	1.472811487	0.035532138	17	Up
<i>Gm17017</i>	1.371005961	0.036156061	1	Up
<i>Gm13205</i>	1.234863846	0.039889331	4	Up
<i>Gm17435</i>	1.117559582	0.022453251	8	Up
<i>Gm37787</i>	1.106567929	0.016016273	1	Up
<i>AC168220.3</i>	1.064416591	0.021879086	16	Up