annotated_blue

	X	different_b.padj	ensembl_gene_id	external_gene_name	description	chromosome_name	start_position	end_position	strand	gene_biotype
246	1	4.28376582067829E-33	ENSMUSG00000091423	Gm17509	predicted gene, 17509 [Source:MGI Symbol;Acc:MGI:4937143]	13	117218701	117221075	-1	antisense
114	2	4.28826065042156E-24	ENSMUSG00000085649	A730032A03Rik	RIKEN cDNA A730032A03 gene [Source:MGI Symbol;Acc:MGI:2444311]	2	164177584	164196564	1	antisense
228	3	1.53802252763045E-20	ENSMUSG00000089961	Gm16567	predicted gene 16567 [Source:MGI Symbol;Acc:MGI:4414987]	6	124530911	124542310	1	antisense
346	4	3.86978070245946E-13	ENSMUSG00000100954	Gm10138	predicted gene 10138 [Source:MGI Symbol;Acc:MGI:3708522]	1	151339604	151345231	-1	antisense
235	5	7.77094601918065E-13	ENSMUSG00000090208	Gm15851	predicted gene 15851 [Source:MGI Symbol;Acc:MGI:3801734]	1	133906531	133914822	1	antisense
219	6	1.03001751911621E-12	ENSMUSG00000087698	Gm13031	predicted gene 13031 [Source:MGI Symbol;Acc:MGI:3702680]	4	140947666	140957902	-1	antisense
134	7	1.84560700250865E-12	ENSMUSG00000086052	Gm11802	predicted gene 11802 [Source:MGI Symbol;Acc:MGI:3650651]	4	6688169	6704160	1	antisense
253	8	1.84560700250865E-12	ENSMUSG00000092283	Gm20412	predicted gene 20412 [Source:MGI Symbol;Acc:MGI:5141877]	2	158117154	158117905	1	processed_transcript
323	9	1.90547423107174E-10	ENSMUSG00000097988	Gm10535	predicted gene 10535 [Source:MGI Symbol;Acc:MGI:3642442]	1	135108961	135113378	1	antisense
220	10	7.92395839467642E-10	ENSMUSG00000087700	Gm15283	predicted gene 15283 [Source:MGI Symbol;Acc:MGI:3705161]	12	73843039	73949814	-1	antisense
77	11	9.5792528491421E-10	ENSMUSG00000085083	Gm11615	predicted gene 11615 [Source:MGI Symbol;Acc:MGI:3652280]	11	101264762	101266303	-1	antisense
231	12	8.03436724722014E-09	ENSMUSG00000090054	Gm15629	predicted gene 15629 [Source:MGI Symbol;Acc:MGI:3783073]	14	75197073	75199271	-1	antisense
341	13	8.26376351522402E-09	ENSMUSG00000100627	A830008E24Rik	RIKEN cDNA A830008E24 gene [Source:MGI Symbol;Acc:MGI:3041183]	1	154037597	154117951	-1	lincRNA
94	14	8.40187458464287E-09	ENSMUSG00000085297	Gm11651	predicted gene 11651 [Source:MGI Symbol;Acc:MGI:3651203]	11	105965608	105985694	-1	antisense
22	15	3.08418697728895E-08	ENSMUSG00000054556	Gm4876	predicted gene 4876 [Source:MGI Symbol;Acc:MGI:3647654]	6	17065010	17171833	-1	antisense
239	16	3.85196398338678E-08	ENSMUSG00000090263	D730045A05Rik	RIKEN cDNA D730045A05 gene [Source:MGI Symbol;Acc:MGI:1925105]	18	74017907	74020088	1	lincRNA
209	17	6.49326767471206E-08	ENSMUSG00000087500	Gm12426	predicted gene 12426 [Source:MGI Symbol;Acc:MGI:3650989]	4	47197487	47208459	1	antisense
63	18	7.35814370532753E-08	ENSMUSG00000081512	Gm15821	predicted gene 15821 [Source:MGI Symbol;Acc:MGI:3801940]	17	34211312	34214459	-1	macro_lncRNA
376	19	1.01855072306641E-07	ENSMUSG00000104894	Gm43507	predicted gene 43507 [Source:MGI Symbol;Acc:MGI:5663644]	5	44641484	44662153	1	antisense
8	20	2.25757193839126E-07	ENSMUSG00000038491	Cdk19os	cyclin-dependent kinase 19, opposite strand [Source:MGI Symbol;Acc:MGI:1914837]	10	40348508	40350103	-1	antisense
368	21	7.09918635031953E-07	ENSMUSG00000103288	Gm37273	predicted gene, 37273 [Source:MGI Symbol;Acc:MGI:5610501]	1	162983014	163066682	1	antisense
95	22	1.30124280636875E-06	ENSMUSG00000085355	3010003L21Rik	RIKEN cDNA 3010003L21 gene [Source:MGI Symbol;Acc:MGI:1924094]	6	148944867	148947129	1	antisense
353	23	1.30124280636875E-06	ENSMUSG00000101445	Gm28932	predicted gene 28932 [Source:MGI Symbol;Acc:MGI:5579638]	14	123979210	123980619	1	antisense
260	24	1.75799087813973E-06	ENSMUSG00000092550	Gm20496	predicted gene 20496 [Source:MGI Symbol;Acc:MGI:5141961]	17	34199316	34205449	-1	antisense
117	25	3.47559142999252E-06	ENSMUSG00000085725	Gm15873	predicted gene 15873 [Source:MGI Symbol;Acc:MGI:3802055]	7	4526536	4530575	1	antisense
48	26	4.61738394754497E-06	ENSMUSG00000074178	Gm10638	predicted gene 10638 [Source:MGI Symbol;Acc:MGI:3704316]	8	86745453	86748655	1	antisense
118	27	4.61738394754497E-06	ENSMUSG00000085741	5430405H02Rik	RIKEN cDNA 5430405H02 gene [Source:MGI Symbol;Acc:MGI:1921737]	2	156844351	156862963	-1	processed_transcript
148	28	4.61738394754497E-06	ENSMUSG00000086360	Gm16214	predicted gene 16214 [Source:MGI Symbol;Acc:MGI:3801724]	9	42022615	42034113	1	antisense
143	29	5.03265893946084E-06	ENSMUSG00000086266	Igf2os	insulin-like growth factor 2, opposite strand [Source:MGI Symbol;Acc:MGI:1195257]	7	142659693	142670356	1	antisense
204	30	7.175517752579E-06	ENSMUSG00000087411	Gm16048	predicted gene 16048 [Source:MGI Symbol;Acc:MGI:3801855]	3	90451583	90457095	1	antisense
214	31	9.15427716409958E-06	ENSMUSG00000087612	A230005M16Rik	RIKEN cDNA A230005M16 gene [Source:MGI Symbol;Acc:MGI:3603401]	2	25705850	25709716	-1	antisense
265	32	9.15427716409958E-06	ENSMUSG00000093656	Gm20628	predicted gene 20628 [Source:MGI Symbol;Acc:MGI:5313075]	3	96267075	96270289	-1	antisense
138	33	1.18860221850084E-05	ENSMUSG00000086170	Gm12144	predicted gene 12144 [Source:MGI Symbol;Acc:MGI:3649685]	11	43229563	43232264	-1	antisense
158	34	1.20176843511631E-05	ENSMUSG00000086645	Gm15743	predicted gene 15743 [Source:MGI Symbol;Acc:MGI:3783185]	16	31427876	31429776	-1	antisense
3	35	1.60020148107167E-05	ENSMUSG00000025644	Gm7628	predicted gene 7628 [Source:MGI Symbol;Acc:MGI:3643956]	9	109093844	109097796	-1	antisense
62	36	2.45869681616667E-05	ENSMUSG00000079467	Gm14966	predicted gene 14966 [Source:MGI Symbol;Acc:MGI:3705223]	19	6355522	6363759	-1	antisense
251	37	2.56651984195701E-05	ENSMUSG00000091908	Gm17231	predicted gene 17231 [Source:MGI Symbol;Acc:MGI:4938058]	9	57777865	57834295	1	antisense
232	38	3.10726167409075E-05	ENSMUSG00000090117	Gm16541	predicted gene 16541 [Source:MGI Symbol;Acc:MGI:4414961]	19	42536850	42563108	-1	antisense
222	39	4.544199914448169E-05	ENSMUSG00000089635	Gm16559	predicted gene 16559 [Source:MGI Symbol;Acc:MGI:4414979]	3	138281408	138307022	-1	antisense
186	40	4.76212678453423E-05	ENSMUSG00000087177	E130307A14Rik	RIKEN cDNA E130307A14 gene [Source:MGI Symbol;Acc:MGI:3036287]	10	39621412	39732007	-1	antisense
103	41	5.98501674818606E-05	ENSMUSG00000085516	4930538E20Rik	RIKEN cDNA 4930538E20 gene [Source:MGI Symbol;Acc:MGI:1925450]	11	24160528	24172824	-1	antisense
173	42	8.06456297684133E-05	ENSMUSG00000086976	Gm12316	predicted gene 12316 [Source:MGI Symbol;Acc:MGI:3651760]	11	70611212	70613211	-1	antisense
242	43	8.88634530664519E-05	ENSMUSG00000090708	Gm17196	predicted gene 17196 [Source:MGI Symbol;Acc:MGI:4938023]	10	41553762	41556552	1	antisense
249	44	8.88634530664519E-05	ENSMUSG00000091709	Gm17189	predicted gene 17189 [Source:MGI Symbol;Acc:MGI:4938016]	15	74784065	74800640	-1	antisense
212	45	8.99579211012374E-05	ENSMUSG00000087535	Zmiz1os1	Zmiz1 opposite strand 1 [Source:MGI Symbol;Acc:MGI:3041228]	14	25257523	25461128	-1	antisense
281	46	8.99579211012374E-05	ENSMUSG00000097081	Gm10425	predicted gene 10425 [Source:MGI Symbol;Acc:MGI:3642471]	12	111426874	111430946	-1	antisense
366	47	8.99579211012374E-05	ENSMUSG00000102840	Gm38037	predicted gene, 38037 [Source:MGI Symbol;Acc:MGI:5611265]	1	191820370	191821993	-1	antisense
185	48	9.36992636911399E-05	ENSMUSG00000087139	Gm11683	predicted gene 11683 [Source:MGI Symbol;Acc:MGI:3651846]	11	109797183	109802796	1	antisense
362	49	9.36992636911399E-05	ENSMUSG00000102564	Gm37035	predicted gene, 37035 [Source:MGI Symbol;Acc:MGI:5610263]	3	61001639	61003786	-1	antisense
150	50	0.000111395530881573	ENSMUSG00000086421	Gm14091	predicted gene 14091 [Source:MGI Symbol;Acc:MGI:3650488]	2	118829874	118834122	-1	antisense
183	51	0.000111609867143256	ENSMUSG00000087113	Gm11714	predicted gene 11714 [Source:MGI Symbol;Acc:MGI:3649214]	11	107428276	107435686	1	processed_transcript
208	52	0.000114381868170731	ENSMUSG00000087492	Gm15700	predicted gene 15700 [Source:MGI Symbol;Acc:MGI:3783140]	7	46561301	46578201	1	antisense
132	53	0.000124383112632928	ENSMUSG00000085995	Gm2788	predicted gene 2788 [Source:MGI Symbol;Acc:MGI:3780956]	7	48877958	48913040	1	processed_transcript
115	54	0.000128166633490672	ENSMUSG00000085651	Gm11695	predicted gene 11695 [Source:MGI Symbol;Acc:MGI:3649841]	11	115462045	115463454	-1	antisense
305	55	0.000144165199426331	ENSMUSG00000097472	Gm26586	predicted gene, 26586 [Source:MGI Symbol;Acc:MGI:5477080]	8	72137389	72140820	-1	antisense
335	56	0.000152052232947774	ENSMUSG00000100039	Gm28959	predicted gene 28959 [Source:MGI Symbol;Acc:MGI:5579665]	9	106452181	106452918	-1	antisense
120	57	0.00016770481491192	ENSMUSG00000085784	Gm12158	predicted gene 12158 [Source:MGI Symbol;Acc:MGI:3649487]	11	44659522	44669216	1	antisense
247	58	0.000171269693723636	ENSMUSG00000091479	Gm17035	predicted gene 17035 [Source:MGI Symbol;Acc:MGI:4937862]	15	66929607	66931107	1	antisense
69	59	0.0001795961730931	ENSMUSG00000084869	Gm13063	predicted gene 13063 [Source:MGI Symbol;Acc:MGI:3649474]	4	132048178	132048961	1	lincRNA
56	60	0.00024263983435707	ENSMUSG00000075010	AW112010	expressed sequence AW112010 [Source:MGI Symbol;Acc:MGI:2147706]	19	11047612	11055808	-1	lincRNA
288	61	0.000246375654920354	ENSMUSG00000097139	Gm26626	predicted gene, 26626 [Source:MGI Symbol;Acc:MGI:5477120]	16	92612814	92620105	1	antisense
13	62	0.000250634866745998	ENSMUSG00000085904	BC106179	cDNA sequence BC106179 [Source:MGI Symbol;Acc:MGI:3702726]	16	23220656	23225484	-1	processed_transcript
155	63	0.000327602321751866	ENSMUSG00000086527	Gm15856	predicted gene 15856 [Source:MGI Symbol;Acc:MGI:3801888]	6	121223692	121226153	-1	antisense
400	64	0.000348590888979426	ENSMUSG00000107078	Gm36840	predicted gene, 36840 [Source:MGI Symbol;Acc:MGI:5595999]	5	32320764	32354883	-1	antisense
190	65	0.00036042110554665	ENSMUSG00000087201	Gm15261	predicted gene 15261 [Source:MGI Symbol;Acc:MGI:3705201]	X	169037674	169106536	-1	antisense
398	66	0.000373211663371925	ENSMUSG00000106967	Gm42477	predicted gene 42477 [Source:MGI Symbol;Acc:MGI:5662614]	16	5008370	5013418	1	antisense
179	67	0.000375066189950592	ENSMUSG00000087059	Gm12339	predicted gene 12339 [Source:MGI Symbol;Acc:MGI:3650628]	11	75794768	75825241	1	processed_transcript
293	68	0.000375066189950592	ENSMUSG00000097224	Gm26716	predicted gene, 26716 [Source:MGI Symbol;Acc:MGI:5477210]	4	130824394	130826313	-1	antisense
347	69	0.000391398675038112	ENSMUSG00000100985	Gm10640	predicted gene 10640 [Source:MGI Symbol;Acc:MGI:3648835]	7	31155668	31170641	1	antisense
350	70	0.000391398675038112	ENSMUSG00000101304	Plet1os	placenta expressed transcript 1, opposite strand [Source:MGI Symbol;Acc:MGI:1916881]	9	50488795	50507823	-1	antisense
282	71	0.000429935716502646	ENSMUSG00000097956	Gm26634	predicted gene, 26634 [Source:MGI Symbol;Acc:MGI:5477128]	15	78862956	78868533	-1	antisense
29	72	0.000478969300715124	ENSMUSG00000060308	C030014I23Rik	RIKEN cDNA C030014I23 gene [Source:MGI Symbol;Acc:MGI:1924631]	9	44468344	44482180	-1	lincRNA
367	73	0.00053182923824076	ENSMUSG00000103103	4833445I07Rik	RIKEN cDNA 4833445I07 gene [Source:MGI Symbol;Acc:MGI:2143268]	9	108567533	108569174	1	lincRNA
259	74	0.00053905057791675144	ENSMUSG00000092483	Gm20421	predicted gene 20421 [Source:MGI Symbol;Acc:MGI:5141886]	4	154960770	154961678	-1	processed_transcript
203	75	0.000634941956813767	ENSMUSG00000087406	E130215H24Rik	RIKEN cDNA E130215H24 gene [Source:MGI Symbol;Acc:MGI:1926091]	2	150667494	150668935	1	processed_transcript
101	76	0.000764844843066083	ENSMUSG00000085495	Gm16796	predicted gene, 16796 [Source:MGI Symbol;Acc:MGI:4439720]	2	170499357	170511927	-1	antisense
81	77	0.000964445121972844	ENSMUSG00000085106	Gm16000	predicted gene 16000 [Source:MGI Symbol;Acc:MGI:3801866]	3	81037408	81040437	-1	antisense
354	78	0.00102827496564089	ENSMUSG00000101555	Gm28731	predicted gene 28731 [Source:MGI Symbol;Acc:MGI:5579437]	5	69988400	69989968	-1	antisense
295	79	0.00110199407646454	ENSMUSG00000097275	Gm26648	predicted gene, 26648 [Source:MGI Symbol;Acc:MGI:5477142]	5	24696902	24704690	-1	antisense
194	80	0.0011683507211189	ENSMUSG00000087291	Gm11946	predicted gene 11946 [Source:MGI Symbol;Acc:MGI:3650071]	11	3530157	3536856	1	processed_transcript
373	81	0.00117069982585758	ENSMUSG00000104523	Gm37335	predicted gene, 37335 [Source:MGI Symbol;Acc:MGI:5610563]	1	36105384	36106446	-1	antisense
75	82	0.0011734179185922444	ENSMUSG00000085068	Gm15895	predicted gene 15895 [Source:MGI Symbol;Acc:MGI:3802071]	8	110805634	110807477	-1	antisense
184	83	0.00137225772062352	ENSMUSG00000087135	Gm16096	predicted gene 16096 [Source:MGI Symbol;Acc:MGI:3801985]	9	40780742	40784181	-1	processed_transcript
9	84	0.00152781235776141	ENSMUSG00000039798	2600006K01Rik	RIKEN cDNA 2600006K01 gene [Source:MGI Symbol;Acc:MGI:1917569]	2	29868723	29870317	-1	antisense
375	85	0.00158785471457773	ENSMUSG00000104784	Gm42984	predicted gene 42984 [Source:MGI Symbol;Acc:MGI:5663121]	5	44226587	44243548	1	antisense
266	86	0.00162865767740953	ENSMUSG00000093721	Gm3896	predicted gene 3896 [Source:MGI Symbol;Acc:MGI:3782069]	9	37015758	37020671	1	antisense
105	87	0.0016397012827973	ENSMUSG00000085533	Gm12146	predicted gene 12146 [Source:MGI Symbol;Acc:MGI:3649687]	11	43197424	43259784	-1	antisense
27	88	0.00169879653622016	ENSMUSG00000057913	Gm10032	predicted gene 10032 [Source:MGI Symbol;Acc:MGI:3642901]	14	66784480	66793758	1	lincRNA
160	89	0.00169879653622016	ENSMUSG00000086740	Gm17029	predicted gene 17029 [Source:MGI Symbol;Acc:MGI:4937856]	4	148960297	148984671	1	antisense
309	90	0.00169879653622016	ENSMUSG00000097643	A130051J06Rik	RIKEN cDNA A130051J0 gene [Source:MGI Symbol;Acc:MGI:3642574]	15	95787856	95791642	-1	antisense
377	91	0.00169879653622016	ENSMUSG00000104932	Gm40323	predicted gene, 40323 [Source:MGI Symbol;Acc:MGI:5623208]	5	125361175	125370760	1	lincRNA
405	92	0.00169879653622016	ENSMUSG00000107317	Gm19719	predicted gene, 19719 [Source:MGI Symbol;Acc:MGI:5011904]	5	149282752	149287868	-1	antisense
192	93	0.0017269469737466	ENSMUSG00000087231	E230016M11Rik	RIKEN cDNA E230016M11 gene [Source:MGI Symbol;Acc:MGI:2443524]	6	67036599	67080654	1	processed_transcript
128	94	0.00190650146527087	ENSMUSG00000085890	Tnfsf13os	tumor necrosis factor (ligand) superfamily, member 13, opposite strand [Source:MGI Symbol;Acc:MGI:191...	11	69682138	69691141	1	antisense
205	95	0.00191339052352941	ENSMUSG00000087451	Gm12970	predicted gene 12970 [Source:MGI Symbol;Acc:MGI:3650040]	4	130811617	130812326	-1	antisense
61	96	0.00179912896958888	ENSMUSG00000079045	Prox1os	prospero homeobox 1, opposite strand [Source:MGI Symbol;Acc:MGI:4937200]	1	190170296	190217276	1	antisense
248	97	0.00205960890550067	ENSMUSG00000091623	Gm17092	predicted gene 17092 [Source:MGI Symbol;Acc:MGI:4937919]	5	99977686	99980171	1	antisense
311	98	0.00205960890550067	ENSMUSG00000097680	Gm26642	predicted gene, 26642 [Source:MGI Symbol;Acc:MGI:5477136]	1	135248561	135266443	1	antisense
270	99	0.00221346149555163	ENSMUSG00000096938	9530052E02Rik	RIKEN cDNA 9530052E02 gene [Source:MGI Symbol;Acc:MGI:3588277]	8	11007850	11054541	1	processed_transcript

211	100	0.00293356899534666	ENSMUSG00000087528	9830144P21Rik	RIKEN cDNA 9830144P21 gene [Source:MGI Symbol;Acc:MGI:3041171]	2	129205958	129230579	-1	processed_transcript
255	101	0.00242596502103189	ENSMUSG00000092381	Gm20512	predicted gene 20512 [Source:MGI Symbol;Acc:MGI:5141977]	7	19715016	19721731	1	antisense
12	102	0.00279600865544108	ENSMUSG00000044867	Gimap1os	GTPase, IMAP family member 1, opposite strand [Source:MGI Symbol;Acc:MGI:3781523]	6	48738346	48741444	-1	processed_transcript
289	103	0.00279600865544108	ENSMUSG00000097149	G630030J09Rik	RIKEN cDNA G630030J09 gene [Source:MGI Symbol;Acc:MGI:3045288]	7	31149528	31152707	1	antisense
182	104	0.00287293681187779	ENSMUSG00000087109	4930474H06Rik	RIKEN cDNA 4930474H06 gene [Source:MGI Symbol;Acc:MGI:3697432]	12	71317621	71321660	-1	processed_transcript
154	105	0.00289325791127176	ENSMUSG00000086491	Gm13291	predicted gene 13291 [Source:MGI Symbol;Acc:MGI:3649284]	2	11385003	11387064	1	lincRNA
304	106	0.00306790933875209	ENSMUSG00000097471	5830432E09Rik	RIKEN cDNA 5830432E09 gene [Source:MGI Symbol;Acc:MGI:1915015]	7	135635931	135652314	1	antisense
389	107	0.00306790933875209	ENSMUSG00000106108	Gm43221	predicted gene 43221 [Source:MGI Symbol;Acc:MGI:5663358]	3	109000024	109002094	1	antisense
396	108	0.00316983913177919	ENSMUSG00000106567	2010309G21Rik	RIKEN cDNA 2010309G21 gene [Source:MGI Symbol;Acc:MGI:1917268]	16	19051367	19106749	1	antisense
238	109	0.00335274576579156	ENSMUSG00000090257	Gm4524	predicted gene 4524 [Source:MGI Symbol;Acc:MGI:3782709]	16	25956475	25960342	1	antisense
89	110	0.00339463953058845	ENSMUSG00000085245	Gm11713	predicted gene 11713 [Source:MGI Symbol;Acc:MGI:3652139]	11	107410390	107413549	1	antisense
163	111	0.00340202078748629	ENSMUSG00000086836	Gm13748	predicted gene 13748 [Source:MGI Symbol;Acc:MGI:3702115]	1	64078654	64090782	1	antisense
188	112	0.00352985915684336	ENSMUSG00000087193	Gm14820	predicted gene 14820 [Source:MGI Symbol;Acc:MGI:3713695]	X	8042943	8074619	1	antisense
322	113	0.00353264300749245	ENSMUSG00000097976	Gm26918	predicted gene, 26918 [Source:MGI Symbol;Acc:MGI:5504033]	5	14520673	14539852	-1	antisense
71	114	0.0035575078646397	ENSMUSG00000084908	C79798	expressed sequence C79798 [Source:MGI Symbol;Acc:MGI:2139494]	2	34287771	34304440	1	antisense
161	115	0.0035575078646397	ENSMUSG00000086741	Gm15816	predicted gene 15816 [Source:MGI Symbol;Acc:MGI:3802114]	8	23138794	23149585	-1	antisense
332	116	0.0037549776445537	ENSMUSG00000097605	1700066N21Rik	RIKEN cDNA 1700066N21 gene [Source:MGI Symbol;Acc:MGI:1920721]	5	87908579	87979351	-1	antisense
65	117	0.00389612380302104	ENSMUSG00000084783	Gm15419	predicted gene 15419 [Source:MGI Symbol;Acc:MGI:3705320]	8	11399186	11417892	-1	antisense
130	118	0.0042731598630926	ENSMUSG00000085918	Gm13032	predicted gene 13032 [Source:MGI Symbol;Acc:MGI:3702685]	4	140810993	140817511	1	processed_transcript
157	119	0.00438559807174507	ENSMUSG00000086575	Gm14104	predicted gene 14104 [Source:MGI Symbol;Acc:MGI:3651500]	2	132845999	132847256	-1	antisense
4	120	0.00473557813110594	ENSMUSG00000026729	4930562F07Rik	RIKEN cDNA 4930562F07 gene [Source:MGI Symbol;Acc:MGI:1922505]	1	160074735	160077985	-1	lincRNA
292	121	0.00474189376990035	ENSMUSG00000097216	4932441J04Rik	RIKEN cDNA 4932441J04 gene [Source:MGI Symbol;Acc:MGI:2441691]	5	57570082	57720201	1	processed_transcript
30	122	0.00481706631502485	ENSMUSG00000064032	Gm10143	predicted gene 10143 [Source:MGI Symbol;Acc:MGI:3704492]	19	10198368	10202384	1	antisense
241	123	0.00481706631502485	ENSMUSG00000090570	Gm17041	predicted gene 17041 [Source:MGI Symbol;Acc:MGI:4937868]	9	107300380	107301838	-1	antisense
284	124	0.00481706631502485	ENSMUSG00000097099	Gm9917	predicted gene 9917 [Source:MGI Symbol;Acc:MGI:3704343]	9	107558809	107568415	-1	antisense
334	125	0.00519625858425934	ENSMUSG00000100017	2410022M11Rik	RIKEN cDNA 2410022M11 gene [Source:MGI Symbol;Acc:MGI:1917005]	14	56811989	56813899	1	bidirectional_promoter_lncRNA
38	126	0.00536303323265495	ENSMUSG00000073529	F830208F22Rik	RIKEN cDNA F830208F22 gene [Source:MGI Symbol;Acc:MGI:3588261]	18	77793259	77795743	-1	processed_transcript
325	127	0.00569963332204719	ENSMUSG00000098184	Gm27011	predicted gene, 27011 [Source:MGI Symbol;Acc:MGI:5504126]	8	121949674	121950645	-1	bidirectional_promoter_lncRNA
47	128	0.00570743241292824	ENSMUSG00000074149	Gm10634	predicted gene 10634 [Source:MGI Symbol;Acc:MGI:3641833]	9	88719629	88806264	1	antisense
390	129	0.00580098992821836	ENSMUSG00000106120	Gm42697	predicted gene 42697 [Source:MGI Symbol;Acc:MGI:5662834]	3	129728845	129740188	1	antisense
121	130	0.00593151514916482	ENSMUSG00000085788	4930470G03Rik	RIKEN cDNA 4930470G03 gene [Source:MGI Symbol;Acc:MGI:1922171]	13	21440471	21445934	1	bidirectional_promoter_lncRNA
256	131	0.00593151514916482	ENSMUSG00000092386	Gm20536	predicted gene 20536 [Source:MGI Symbol;Acc:MGI:5142001]	6	72609836	72616190	1	processed_transcript
166	132	0.0060939242884364	ENSMUSG00000086904	Gm13404	predicted gene 13404 [Source:MGI Symbol;Acc:MGI:3649379]	2	33978246	33980324	1	lincRNA
230	133	0.00610238147524903	ENSMUSG00000090039	Gm15894	predicted gene 15894 [Source:MGI Symbol;Acc:MGI:3801859]	8	110754992	110758970	1	antisense
88	134	0.00650555311246343	ENSMUSG00000085211	B430219N15Rik	RIKEN cDNA B430219N15 gene [Source:MGI Symbol;Acc:MGI:3697426]	10	7780185	7781357	1	antisense
233	135	0.00652470363831149	ENSMUSG00000090174	Gm10612	predicted gene 10612 [Source:MGI Symbol;Acc:MGI:3708796]	8	122697860	122700160	-1	antisense
80	136	0.00666176748802379	ENSMUSG00000085091	Egfros	epidermal growth factor receptor, opposite strand [Source:MGI Symbol;Acc:MGI:2443051]	11	16815431	16830702	-1	antisense
299	137	0.00666176748802379	ENSMUSG00000097399	Gm26555	predicted gene, 26555 [Source:MGI Symbol;Acc:MGI:5477049]	13	58281183	58299145	1	antisense
258	138	0.00679463530300851	ENSMUSG00000092415	Gm20513	predicted gene 20513 [Source:MGI Symbol;Acc:MGI:5141978]	17	34293073	34308070	-1	antisense
126	139	0.00691038456872175	ENSMUSG00000085852	Gm13807	predicted gene 13807 [Source:MGI Symbol;Acc:MGI:3650023]	2	93403547	93417830	1	antisense
371	140	0.00737357351203013	ENSMUSG00000104354	Gm37126	predicted gene, 37126 [Source:MGI Symbol;Acc:MGI:5610354]	2	13672516	13674424	1	antisense
318	141	0.00772904868644589	ENSMUSG00000097899	Gm16894	predicted gene, 16894 [Source:MGI Symbol;Acc:MGI:4439818]	1	40076228	40085851	-1	antisense
20	142	0.00778637456553413	ENSMUSG00000053749	Gm9920	predicted gene 9920 [Source:MGI Symbol;Acc:MGI:3642228]	15	55099917	55113677	-1	processed_transcript
387	143	0.0087697381411997	ENSMUSG00000105945	Gm43570	predicted gene 43570 [Source:MGI Symbol;Acc:MGI:5663707]	3	59002471	59006158	-1	antisense
66	144	0.00877883929249995	ENSMUSG00000084790	Gm15879	predicted gene 15879 [Source:MGI Symbol;Acc:MGI:3802012]	16	4032839	4037847	-1	antisense
145	145	0.00890399783079458	ENSMUSG00000086312	Gm15336	predicted gene 15336 [Source:MGI Symbol;Acc:MGI:3705096]	18	39246247	39302690	1	antisense
31	146	0.00908377435570899	ENSMUSG00000086097	Gm1976	predicted gene 1976 [Source:MGI Symbol;Acc:MGI:3780145]	17	94759944	94834799	1	processed_transcript
273	147	0.00920319402046575	ENSMUSG00000096992	Gm26788	predicted gene, 26788 [Source:MGI Symbol;Acc:MGI:5477282]	1	34165856	34178446	-1	processed_transcript
44	148	0.00929636241080031	ENSMUSG00000073778	Faddos	Fas (TNFRSF6)-associated via death domain, opposite strand [Source:MGI Symbol;Acc:MGI:3642460]	7	144567355	144581512	1	antisense
46	149	0.00929636241080031	ENSMUSG00000074136	4930513N10Rik	RIKEN cDNA 4930513N10 gene [Source:MGI Symbol;Acc:MGI:2443064]	8	95806744	95821728	1	antisense
290	150	0.00929636241080031	ENSMUSG00000097204	Gm17690	predicted gene, 17690 [Source:MGI Symbol;Acc:MGI:4937324]	3	96167464	96172416	-1	antisense
36	151	0.00949746118081411	ENSMUSG00000073147	5031425E22Rik	RIKEN cDNA 5031425E22 gene [Source:MGI Symbol;Acc:MGI:1923227]	5	23382308	23434269	-1	lincRNA
310	152	0.00949746118081411	ENSMUSG00000097652	Mhrt	myosin heavy chain associated RNA transcript [Source:MGI Symbol;Acc:MGI:3642848]	14	54968678	54974349	1	antisense
147	153	0.00956575390378422	ENSMUSG00000086327	Slfn5os	schlafen 5, opposite strand [Source:MGI Symbol;Acc:MGI:1923642]	11	82942341	82960681	-1	antisense
191	154	0.00956575390378422	ENSMUSG00000087202	Gm15813	predicted gene 15813 [Source:MGI Symbol;Acc:MGI:3801815]	13	43117673	43125717	-1	antisense
361	155	0.00956575390378422	ENSMUSG00000102234	Gm37885	predicted gene, 37885 [Source:MGI Symbol;Acc:MGI:5611113]	1	182484179	182492473	1	antisense
378	156	0.00956575390378422	ENSMUSG00000105324	Gm42705	predicted gene 42705 [Source:MGI Symbol;Acc:MGI:5662842]	3	143743377	143827012	1	lincRNA
245	157	0.00991402937312631	ENSMUSG00000091412	Gm2895	predicted gene 2895 [Source:MGI Symbol;Acc:MGI:3781073]	15	66969323	67013039	1	bidirectional_promoter_lncRNA
397	158	0.00991402937312631	ENSMUSG00000106663	Gm42839	predicted gene 42839 [Source:MGI Symbol;Acc:MGI:5662976]	5	125086841	125090359	1	antisense
240	159	0.0099546828743407	ENSMUSG00000090564	A430057M04Rik	RIKEN cDNA A430057M04 gene [Source:MGI Symbol;Acc:MGI:2442125]	14	21847578	21856931	1	antisense
225	160	0.0100314756958828	ENSMUSG00000089794	Gm16337	predicted gene 16337 [Source:MGI Symbol;Acc:MGI:3840131]	3	9757607	9786142	1	lincRNA
34	161	0.0103063201671504	ENSMUSG00000068601	Gm10244	predicted gene 10244 [Source:MGI Symbol;Acc:MGI:3642504]	6	39419887	39421294	1	antisense
43	162	0.0103183455124108	ENSMUSG00000073752	Gm10570	predicted gene 10570 [Source:MGI Symbol;Acc:MGI:3642427]	4	130306556	130308674	-1	antisense
326	163	0.0104473448491724	ENSMUSG00000098197	BC051537	cDNA sequence BC051537 [Source:MGI Symbol;Acc:MGI:3041255]	17	34083843	34095309	-1	antisense
18	164	0.0105611622274279	ENSMUSG00000053442	4930597O21Rik	RIKEN cDNA 4930597O21 gene [Source:MGI Symbol;Acc:MGI:1922623]	6	66894652	66896521	-1	processed_transcript
352	165	0.0105611622274279	ENSMUSG00000101438	Gm19412	predicted gene, 19412 [Source:MGI Symbol;Acc:MGI:5011597]	17	33919279	33920485	-1	antisense
99	166	0.0108970170904109	ENSMUSG00000085439	Rapgef4os1	Rap guanine nucleotide exchange factor (GEF) 4, opposite strand 1 [Source:MGI Symbol;Acc:MGI:364971	2	72097603	72148796	-1	antisense
107	167	0.0109441423611118	ENSMUSG00000085587	Gm14493	predicted gene 14493 [Source:MGI Symbol;Acc:MGI:3705313]	X	10717473	10718710	-1	antisense
136	168	0.0109737818592393	ENSMUSG00000086150	Bach2os	BTB and CNC homology 2, opposite strand [Source:MGI Symbol;Acc:MGI:3041246]	4	32559680	32571708	-1	antisense
236	169	0.0109737818592393	ENSMUSG00000090214	Gm15657	predicted gene 15657 [Source:MGI Symbol;Acc:MGI:3783100]	16	33770430	33796874	-1	antisense
159	170	0.0111690333261792	ENSMUSG00000086689	Gm16876	predicted gene, 16876 [Source:MGI Symbol;Acc:MGI:4439800]	12	91684665	91693590	-1	antisense
197	171	0.0111841784848143	ENSMUSG00000087341	0610040F04Rik	RIKEN cDNA 0610040F04 gene [Source:MGI Symbol;Acc:MGI:1922644]	6	108577039	108660934	-1	antisense
357	172	0.012286560778404	ENSMUSG00000101845	Gm28198	predicted gene 28198 [Source:MGI Symbol;Acc:MGI:5578904]	7	127559142	127573116	1	antisense
384	173	0.012305703539104	ENSMUSG00000105703	Gm43305	predicted gene 43305 [Source:MGI Symbol;Acc:MGI:5663442]	14	54292443	54297456	-1	processed_transcript
331	174	0.0123590769449	ENSMUSG00000099568	Gm28513	predicted gene 28513 [Source:MGI Symbol;Acc:MGI:5579219]	1	153743552	153749324	-1	antisense
5	175	0.0133585621797541	ENSMUSG00000030623	Prss23os	protease, serine 23, opposite strand [Source:MGI Symbol;Acc:MGI:1916654]	7	89510007	89511873	1	antisense
42	176	0.0133585621797541	ENSMUSG00000073739	Gm16287	predicted gene 16287 [Source:MGI Symbol;Acc:MGI:3650322]	4	139175405	139180655	-1	antisense
119	177	0.0133585621797541	ENSMUSG00000085765	Gm12333	predicted gene 12333 [Source:MGI Symbol;Acc:MGI:3652064]	11	75036476	75039348	-1	antisense
271	178	0.0137531390949123	ENSMUSG00000096950	Gm9530	predicted gene 9530 [Source:MGI Symbol;Acc:MGI:3779939]	1	155063447	155083266	-1	lincRNA
73	179	0.0138418184577173	ENSMUSG00000084968	Gm12743	predicted gene 12743 [Source:MGI Symbol;Acc:MGI:3651449]	4	108592425	108619849	-1	processed_transcript
291	180	0.0138418184577173	ENSMUSG00000097215	Gm26550	predicted gene, 26550 [Source:MGI Symbol;Acc:MGI:5477044]	7	24631145	24637916	-1	antisense
401	181	0.0138418184577173	ENSMUSG00000107143	Gm6598	predicted gene 6598 [Source:MGI Symbol;Acc:MGI:3646314]	5	130220451	130223065	-1	antisense
324	182	0.0141613073893484	ENSMUSG00000098145	Gm26936	predicted gene, 26936 [Source:MGI Symbol;Acc:MGI:5504051]	1	137928389	137969240	-1	lincRNA
175	183	0.0141629698456897	ENSMUSG00000087022	9130024F11Rik	RIKEN cDNA 9130024F11 gene [Source:MGI Symbol;Acc:MGI:1926150]	1	56971412	57050084	1	processed_transcript
381	184	0.0159312552213922	ENSMUSG00000105447	Gm43653	predicted gene 43653 [Source:MGI Symbol;Acc:MGI:5663790]	3	127836911	127838644	1	antisense
170	185	0.0167214274762996	ENSMUSG00000086941	Gm15859	predicted gene 15859 [Source:MGI Symbol;Acc:MGI:3801904]	16	4729869	4730809	1	antisense
177	186	0.0169012012310194	ENSMUSG00000087036	Gm11748	predicted gene 11748 [Source:MGI Symbol;Acc:MGI:3704384]	11	118476470	118479458	-1	antisense
210	187	0.0169012012310194	ENSMUSG00000087518	Gm13561	predicted gene 13561 [Source:MGI Symbol;Acc:MGI:3651674]	2	62357071	62470913	1	antisense
298	188	0.0169012012310194	ENSMUSG00000097357	Gm16793	predicted gene, 16793 [Source:MGI Symbol;Acc:MGI:4439717]	8	35582503	35588972	-1	bidirectional_promoter_lncRNA
33	189	0.0170751018940753	ENSMUSG00000067973	Gm6994	predicted gene 6994 [Source:MGI Symbol;Acc:MGI:3647788]	14	77479483	77506868	-1	antisense
86	190	0.0170751018940753	ENSMUSG00000085178	Kdm6bos	KDM1 lysine (K)-specific demethylase 6B, opposite strand [Source:MGI Symbol;Acc:MGI:1921523]	11	69401513	69402700	-1	antisense
328	191	0.0170751018940753	ENSMUSG00000098843	Gm27240	predicted gene, 27240 [Source:MGI Symbol;Acc:MGI:5521083]	9	32709652	32711171	-1	antisense
300	192	0.017143905129228	ENSMUSG00000097404	Gm10814	predicted gene 10814 [Source:MGI Symbol;Acc:MGI:3642580]	19	6012620	6018462	1	antisense
87	193	0.0172998745055229	ENSMUSG00000085196	Gm14963	predicted gene 14963 [Source:MGI Symbol;Acc:MGI:3705162]	19	6268795	6276605	-1	lincRNA
308	194	0.0172998745055229	ENSMUSG00000097610	A930012L18Rik	RIKEN cDNA A930012L18 gene [Source:MGI Symbol;Acc:MGI:2442887]	18	44661665	44676271	1	antisense
180	195	0.0183313967897595	ENSMUSG00000087107	AI662270	expressed sequence AI662270 [Source:MGI Symbol;Acc:MGI:2144254]	11	83223576	83226604	-1	processed_transcript
374	196	0.0185326204376087	ENSMUSG00000104580	Gm42620	predicted gene 42620 [Source:MGI Symbol;Acc:MGI:5662757]	5	103513445	103533021	-1	antisense
229	197	0.0192619649793365	ENSMUSG00000090009	Gm16282	predicted gene 16282 [Source:MGI Symbol;Acc:MGI:3826590]	7	29138440	29140312	1	antisense
406	198	0.0192619649793365	ENSMUSG00000107319	Gm42670	predicted gene 42670 [Source:MGI Symbol;Acc:MGI:5662807]	5	67259971	67261262	-1	antisense
307	199	0.0192720566939879	ENSMUSG00000097533	Gm26590	predicted gene, 26590 [Source:MGI Symbol;Acc:MGI:5477084]	14	52197502	52213852	1	antisense
19	200	0.0193680259877155	ENSMUSG00000053615	Gm9913	predicted gene 9913 [Source:MGI Symbol;Acc:MGI:3642395]	2	125505089	125507881	1	antisense
67	201	0.0193680259877155	ENSMUSG00000084808	9430091E24Rik	RIKEN cDNA 9430091E24 gene [Source:MGI Symbol;Acc:MGI:1924618]	8	111128886	111145480	-1	processed_transcript

93	202	0.0193680259877155	ENSMUSG00000085289	Gm15337	predicted gene 15337 [Source:MGI Symbol;Acc:MGI:3705103]	18	39367038	39389425	-1	antisense
171	203	0.0193680259877155	ENSMUSG00000086946	Gm15527	predicted gene 15527 [Source:MGI Symbol;Acc:MGI:3782974]	6	54245742	54279076	-1	processed_transcript
218	204	0.0193680259877155	ENSMUSG00000087691	Cd55os	CD55 molecule, opposite strand sequence [Source:MGI Symbol;Acc:MGI:3783116]	1	130422824	130437914	1	antisense
6	205	0.0199583643075933	ENSMUSG00000031736	Crnde	colorectal neoplasia differentially expressed (non-protein coding) [Source:MGI Symbol;Acc:MGI:1918546]	8	92326033	92356120	-1	processed_transcript
234	206	0.0199583643075933	ENSMUSG00000090207	4930524O07Rik	RIKEN cDNA 4930524O07 gene [Source:MGI Symbol;Acc:MGI:1915514]	9	106891547	106895182	-1	antisense
336	207	0.0200030850880128	ENSMUSG00000100084	2310068J16Rik	RIKEN cDNA 2310068J16 gene [Source:MGI Symbol;Acc:MGI:1917531]	15	99972158	99973287	-1	antisense
97	208	0.020359789395867	ENSMUSG00000085434	Gm11725	predicted gene 11725 [Source:MGI Symbol;Acc:MGI:3649385]	11	117871250	117887416	1	antisense
76	209	0.0203961596894921	ENSMUSG00000085071	Gm14066	predicted gene 14066 [Source:MGI Symbol;Acc:MGI:3649728]	2	139256876	139677714	-1	processed_transcript
98	210	0.0211352807978195	ENSMUSG00000085436	Zfp335os	zinc finger protein 335, opposite strand [Source:MGI Symbol;Acc:MGI:3649775]	2	164911354	164919953	1	antisense
342	211	0.0212699878572596	ENSMUSG00000100747	1700084E18Rik	RIKEN cDNA 1700084E18 gene [Source:MGI Symbol;Acc:MGI:1914600]	2	30236795	30238223	-1	antisense
388	212	0.0212699878572596	ENSMUSG00000106005	Gm29151	predicted gene 29151 [Source:MGI Symbol;Acc:MGI:5579857]	3	116350103	116352888	1	antisense
280	213	0.0214134005550801	ENSMUSG00000097074	4833428L15Rik	RIKEN cDNA 4833428L15 gene [Source:MGI Symbol;Acc:MGI:1921852]	9	45416626	45431730	-1	antisense
52	214	0.0214232450100529	ENSMUSG00000074398	Gm15441	predicted gene 15441 [Source:MGI Symbol;Acc:MGI:3641753]	3	96555765	96566801	1	antisense
226	215	0.0214232450100529	ENSMUSG00000089810	Gm16536	predicted gene 16536 [Source:MGI Symbol;Acc:MGI:4414956]	9	45856769	45858357	-1	antisense
372	216	0.0214232450100529	ENSMUSG00000104441	Gm35801	predicted gene, 35801 [Source:MGI Symbol;Acc:MGI:5594960]	1	40572188	40580662	-1	antisense
90	217	0.0215187924698231	ENSMUSG00000085247	4930545L23Rik	RIKEN cDNA 4930545L23 gene [Source:MGI Symbol;Acc:MGI:1926055]	2	135169573	135215616	-1	antisense
131	218	0.022994616490713	ENSMUSG00000085944	1700003D09Rik	RIKEN cDNA 1700003D09 gene [Source:MGI Symbol;Acc:MGI:1916588]	11	98350718	98358283	-1	processed_transcript
199	219	0.022994616490713	ENSMUSG00000087367	Gm15491	predicted gene 15491 [Source:MGI Symbol;Acc:MGI:3782937]	19	45749508	45752310	1	antisense
391	220	0.022994616490713	ENSMUSG00000106155	Gm43495	predicted gene 43495 [Source:MGI Symbol;Acc:MGI:5663632]	5	137870754	137871209	1	antisense
55	221	0.0232733012225392	ENSMUSG00000074753	Gm14092	predicted gene 14092 [Source:MGI Symbol;Acc:MGI:3651965]	2	145550652	145554982	-1	antisense
404	222	0.0232733012225392	ENSMUSG00000043332	Gm43332	predicted gene 43332 [Source:MGI Symbol;Acc:MGI:5663469]	5	149183183	149184226	1	lincRNA
302	223	0.0233729777613229	ENSMUSG00000097445	Gm26631	predicted gene, 26631 [Source:MGI Symbol;Acc:MGI:5477125]	9	57531287	57537629	-1	bidirectional_promoter_lncRNA
283	224	0.0236110808709353	ENSMUSG00000097092	Gm26725	predicted gene, 26725 [Source:MGI Symbol;Acc:MGI:5477219]	5	66151212	66174945	1	antisense
79	225	0.0236625330561146	ENSMUSG00000085089	Arhgap15os	Rho GTPase activating protein 15, opposite strand [Source:MGI Symbol;Acc:MGI:2444930]	2	44059238	44065324	-1	antisense
329	226	0.0243138648992757	ENSMUSG00000098975	Gm27177	predicted gene 27177 [Source:MGI Symbol;Acc:MGI:5521020]	14	69582164	69683286	-1	antisense
200	227	0.0251725536844616	ENSMUSG00000087380	2210408F21Rik	RIKEN cDNA 2210408F21 gene [Source:MGI Symbol;Acc:MGI:1920902]	6	31220351	31337404	1	processed_transcript
16	228	0.025392197355085	ENSMUSG00000052143	Gm9869	predicted gene 9869 [Source:MGI Symbol;Acc:MGI:3642719]	9	60821552	60838200	-1	antisense
124	229	0.0267755437979553	ENSMUSG00000085838	Chn1os1	chimerin 1, opposite strand 1 [Source:MGI Symbol;Acc:MGI:3702041]	2	73658270	73660263	1	antisense
224	230	0.0268580514483896	ENSMUSG00000089710	Gm15810	predicted gene 15810 [Source:MGI Symbol;Acc:MGI:3802042]	13	42782692	42788258	-1	antisense
123	231	0.0283630077518544	ENSMUSG00000085837	Kcnmb4os2	potassium large conductance calcium-activated channel, subfamily M, beta member 4, opposite strand 2	10	116473163	116475319	1	antisense
139	232	0.0287745063793459	ENSMUSG00000086181	C230034O21Rik	RIKEN cDNA C230034O21 gene [Source:MGI Symbol;Acc:MGI:2441892]	3	38874570	38888259	-1	antisense
351	233	0.0287760792371692	ENSMUSG00000101320	Gm28529	predicted gene 28529 [Source:MGI Symbol;Acc:MGI:5579235]	18	6490143	6496962	1	antisense
276	234	0.0287994714229833	ENSMUSG00000097004	4731419I09Rik	RIKEN cDNA 4731419I09 gene [Source:MGI Symbol;Acc:MGI:3704222]	3	89337850	89347831	1	antisense
394	235	0.0299874866247217	ENSMUSG00000106524	Gm42706	predicted gene 42706 [Source:MGI Symbol;Acc:MGI:5662843]	3	143770539	143772448	1	lincRNA
250	236	0.030150082616151	ENSMUSG00000091906	1700099I09Rik	RIKEN cDNA 1700099I09 gene [Source:MGI Symbol;Acc:MGI:1923874]	13	102760255	102761896	1	antisense
349	237	0.0310221555544926	ENSMUSG00000101295	Gm28180	predicted gene 28180 [Source:MGI Symbol;Acc:MGI:5578886]	11	74992773	74993494	-1	antisense
277	238	0.0331667629794508	ENSMUSG00000097022	BC001981	cDNA sequence BC001981 [Source:MGI Symbol;Acc:MGI:3704411]	13	100106795	100108339	1	antisense
320	239	0.0331667629794508	ENSMUSG00000097915	A330009N23Rik	RIKEN cDNA A330009N23 gene [Source:MGI Symbol;Acc:MGI:2443491]	15	101221195	101225186	-1	antisense
11	240	0.0332252710004268	ENSMUSG00000044471	Lncpint	long non-protein coding RNA, Trp53 induced transcript [Source:MGI Symbol;Acc:MGI:2673128]	6	31082565	31220488	-1	lincRNA
70	241	0.0332826893640878	ENSMUSG00000084884	Gm12289	predicted gene 12289 [Source:MGI Symbol;Acc:MGI:3649419]	11	64012615	64015224	1	antisense
379	242	0.0332826893640878	ENSMUSG00000105391	Gm43401	predicted gene 43401 [Source:MGI Symbol;Acc:MGI:5663538]	3	94392971	94402848	-1	antisense
360	243	0.0336217168456579	ENSMUSG00000102191	Gm36569	predicted gene, 36569 [Source:MGI Symbol;Acc:MGI:5595728]	3	79859293	79886806	-1	antisense
359	244	0.0338431033292931	ENSMUSG00000102060	1700061E17Rik	RIKEN cDNA 1700061E17 gene [Source:MGI Symbol;Acc:MGI:3642196]	9	110986201	110987804	1	antisense
72	245	0.034070722660047	ENSMUSG00000084911	Gm16185	predicted gene 16185 [Source:MGI Symbol;Acc:MGI:3802169]	9	97085326	97088610	1	antisense
196	246	0.0341534394274093	ENSMUSG00000087317	4930466I24Rik	RIKEN cDNA 4930466I24 gene [Source:MGI Symbol;Acc:MGI:1923066]	6	92012394	92016117	-1	antisense
294	247	0.0347713091733993	ENSMUSG00000097228	Gm26597	predicted gene, 26597 [Source:MGI Symbol;Acc:MGI:5477091]	5	147399554	147401917	1	antisense
348	248	0.0348179071477831	ENSMUSG00000101223	4930568A12Rik	RIKEN cDNA 4930568A12 gene [Source:MGI Symbol;Acc:MGI:1923133]	1	34477167	34485933	-1	lincRNA
254	249	0.0350615932778426	ENSMUSG00000092368	A930015D03Rik	RIKEN cDNA A930015D03 gene [Source:MGI Symbol;Acc:MGI:1925060]	17	35994453	36038435	1	antisense
306	250	0.0350615932778426	ENSMUSG00000097491	Gm2366	predicted gene 2366 [Source:MGI Symbol;Acc:MGI:3780534]	8	45017216	45022385	-1	antisense
356	251	0.0350615932778426	ENSMUSG00000101801	1700020G17Rik	RIKEN cDNA 1700020G17 gene [Source:MGI Symbol;Acc:MGI:1922880]	10	110784585	110896550	-1	antisense
146	252	0.0351880847812594	ENSMUSG00000086315	Arl4aos	ADP-ribosylation factor-like 4A, opposite strand [Source:MGI Symbol;Acc:MGI:2151103]	12	40038099	40040027	1	antisense
321	253	0.0355764108926728	ENSMUSG00000097925	Gm26574	predicted gene, 26574 [Source:MGI Symbol;Acc:MGI:5477068]	1	189833141	189836620	-1	antisense
275	254	0.035963941617527	ENSMUSG00000097002	Gm2670	predicted gene 2670 [Source:MGI Symbol;Acc:MGI:3780839]	14	28508074	28511392	-1	antisense
312	255	0.035963941617527	ENSMUSG00000097712	Gm10532	predicted gene 10532 [Source:MGI Symbol;Acc:MGI:3641671]	18	75514645	75522806	1	antisense
221	256	0.0360813735280965	ENSMUSG00000087703	Gm15650	predicted gene 15650 [Source:MGI Symbol;Acc:MGI:3783094]	5	35722555	35724485	1	antisense
83	257	0.0365391873881115	ENSMUSG00000085154	C130046K22Rik	RIKEN cDNA C130046K22 gene [Source:MGI Symbol;Acc:MGI:3026935]	11	103697724	103722832	1	processed_transcript
102	258	0.0368628039333799	ENSMUSG00000085499	Gm15713	predicted gene 15713 [Source:MGI Symbol;Acc:MGI:3783155]	16	43410518	43420196	-1	antisense
202	259	0.0384118959786422	ENSMUSG00000087400	Gm15270	predicted gene 15270 [Source:MGI Symbol;Acc:MGI:3705149]	10	24549441	24597108	-1	processed_transcript
358	260	0.0384118959786422	ENSMUSG00000101952	Gm10550	predicted gene 10550 [Source:MGI Symbol;Acc:MGI:3704193]	1	93731104	93751072	1	antisense
15	261	0.0384225079653164	ENSMUSG00000046413	Irx3os	iroquois homeobox 3, opposite strand [Source:MGI Symbol;Acc:MGI:2441953]	8	91800415	91807539	-1	antisense
60	262	0.0388505792732928	ENSMUSG00000086489	Gm17106	predicted gene 17106 [Source:MGI Symbol;Acc:MGI:4937933]	16	32985854	33108601	-1	processed_transcript
403	263	0.0388505792732928	ENSMUSG00000107230	Gm19265	predicted gene, 19265 [Source:MGI Symbol;Acc:MGI:5011450]	6	85961623	86001926	1	antisense
28	264	0.0389597235452038	ENSMUSG00000085812	0610039K10Rik	RIKEN cDNA 0610039K10 gene [Source:MGI Symbol;Acc:MGI:1915636]	2	163644850	163645801	-1	antisense
264	265	0.0398655541787439	ENSMUSG00000093650	Gm20631	predicted gene 20631 [Source:MGI Symbol;Acc:MGI:5313078]	1	150625266	150783499	1	antisense
45	266	0.0401155965998568	ENSMUSG00000073821	8030451A03Rik	RIKEN cDNA 8030451A03 gene [Source:MGI Symbol;Acc:MGI:1915353]	4	63979854	64149924	1	processed_transcript
1	267	0.0401749345333295	ENSMUSG00000000031	H19	H19, imprinted maternally expressed transcript [Source:MGI Symbol;Acc:MGI:95891]	7	142575529	142578143	-1	lincRNA
327	268	0.040582073569284	ENSMUSG00000098702	1500015A07Rik	RIKEN cDNA 1500015A07 gene [Source:MGI Symbol;Acc:MGI:1916232]	18	61726390	61735917	1	antisense
108	269	0.0408295745927246	ENSMUSG00000085596	Gm11476	predicted gene 11476 [Source:MGI Symbol;Acc:MGI:3705135]	2	167553314	167607845	1	processed_transcript
382	270	0.040847450485362	ENSMUSG00000105512	Gm43714	predicted gene 43714 [Source:MGI Symbol;Acc:MGI:5663851]	3	88685024	88686397	-1	antisense
41	271	0.0412609853394296	ENSMUSG00000073679	Mxra8os	matrix-remodelling associated 8, opposite strand [Source:MGI Symbol;Acc:MGI:3704241]	4	155839492	155840178	-1	antisense
21	272	0.0415902772076053	ENSMUSG00000054493	Gm9947	predicted gene 9947 [Source:MGI Symbol;Acc:MGI:3642739]	1	14752937	14776931	1	antisense
274	273	0.0415902772076053	ENSMUSG00000097000	Gm17435	predicted gene, 17435 [Source:MGI Symbol;Acc:MGI:4937069]	8	72492934	72505499	1	antisense
64	274	0.04268279697879	ENSMUSG00000084781	D930015M05Rik	RIKEN cDNA D930015M05 gene [Source:MGI Symbol;Acc:MGI:3612068]	2	92408892	92432308	1	processed_transcript
110	275	0.0438470777893996	ENSMUSG00000085604	Dhx58os	DEAH (Asp-Glu-Ala-His) box polypeptide 58, opposite strand [Source:MGI Symbol;Acc:MGI:3705104]	11	100687417	100697520	-1	antisense
152	276	0.0439909824073135	ENSMUSG00000086459	1700030C12Rik	RIKEN cDNA 1700030C12 gene [Source:MGI Symbol;Acc:MGI:1919496]	11	23497753	23499661	1	processed_transcript
165	277	0.0439909824073135	ENSMUSG00000086898	Itpr3os	inositol 1,4,5-triphosphate receptor 3, opposite strand [Source:MGI Symbol;Acc:MGI:3704472]	17	27099658	27101440	-1	antisense
338	278	0.0439909824073135	ENSMUSG00000100247	A530053M12Rik	RIKEN cDNA A530053M12 gene [Source:MGI Symbol;Acc:MGI:3045369]	1	106400178	106401987	-1	lincRNA
395	279	0.0439909824073135	ENSMUSG00000106555	Gm2479	predicted gene 2479 [Source:MGI Symbol;Acc:MGI:3780646]	5	123007299	123015080	-1	antisense
78	280	0.0450402807494365	ENSMUSG00000085088	4931413K12Rik	RIKEN cDNA 4931413K12 gene [Source:MGI Symbol;Acc:MGI:1918237]	11	75589665	75594771	-1	processed_transcript
399	281	0.0450870020643761	ENSMUSG00000106978	N4bp2os	NEDD4 binding protein 2, opposite strand [Source:MGI Symbol;Acc:MGI:1921484]	5	65760991	65764379	-1	processed_transcript
365	282	0.0456398490344708	ENSMUSG00000102778	Gm38165	predicted gene, 38165 [Source:MGI Symbol;Acc:MGI:5611393]	18	61691046	61692384	-1	antisense
216	283	0.045649861320697	ENSMUSG00000087654	Gm12256	predicted gene 12256 [Source:MGI Symbol;Acc:MGI:3649604]	11	58889710	58891548	1	antisense
286	284	0.0464608436151112	ENSMUSG00000097120	Gm26887	predicted gene, 26887 [Source:MGI Symbol;Acc:MGI:5477381]	8	84192774	84197667	-1	lincRNA
32	285	0.047572051922985	ENSMUSG00000067389	Gm17080	predicted gene 17080 [Source:MGI Symbol;Acc:MGI:4937907]	17	45586120	45588377	1	antisense
104	286	0.047572051922985	ENSMUSG00000085526	Gm16083	predicted gene 16083 [Source:MGI Symbol;Acc:MGI:3802163]	1	130462576	130557075	1	antisense
106	287	0.047572051922985	ENSMUSG00000085560	C230038L03Rik	RIKEN cDNA C230038L03 gene [Source:MGI Symbol;Acc:MGI:3697433]	7	96906826	96951886	1	antisense
142	288	0.047572051922985	ENSMUSG00000086231	Rapgef4os3	Rap guanine nucleotide exchange factor (GEF) 4, opposite strand 3 [Source:MGI Symbol;Acc:MGI:244208]	2	72244965	72248975	-1	antisense
176	289	0.047572051922985	ENSMUSG00000087024	B230119M05Rik	RIKEN cDNA B230119M05 gene [Source:MGI Symbol;Acc:MGI:1925233]	X	134684562	134686462	-1	processed_transcript
207	290	0.047572051922985	ENSMUSG00000087477	Gm13822	predicted gene 13822 [Source:MGI Symbol;Acc:MGI:3650351]	5	114917318	114923217	-1	antisense
272	291	0.047572051922985	ENSMUSG00000096960	A230028O05Rik	RIKEN cDNA A230028O05 gene [Source:MGI Symbol;Acc:MGI:2442126]	16	25059639	25069058	1	lincRNA
279	292	0.047572051922985	ENSMUSG00000097061	9330151L19Rik	RIKEN cDNA 9330151L19 gene [Source:MGI Symbol;Acc:MGI:3041168]	12	69197211	69199867	1	bidirectional_promoter_lncRNA
364	293	0.047572051922985	ENSMUSG00000102717	Gm37759	predicted gene, 37759 [Source:MGI Symbol;Acc:MGI:5610987]	1	136116577	136119822	-1	antisense
303	294	0.0481612083370443	ENSMUSG00000097456	Gm16958	predicted gene, 16958 [Source:MGI Symbol;Acc:MGI:4439882]	3	127161304	127168288	1	antisense
23	295	0.0496499194843727	ENSMUSG00000054910	4931415C17Rik	RIKEN cDNA 4931415C17 gene [Source:MGI Symbol;Acc:MGI:1918216]	8	12672186	12679229	1	processed_transcript
25	296	0.0503928793248108	ENSMUSG00000055818	A230083G16Rik	RIKEN cDNA A230083G16 gene [Source:MGI Symbol;Acc:MGI:3045289]	6	124916863	124925844	1	antisense
189	297	0.0503928793248108	ENSMUSG00000087200	Lrp8os3	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor, opposite strand 3 [Source:MG	4	107793161	107802064	-1	bidirectional_promoter_lncRNA
206	298	0.0503928793248108	ENSMUSG00000087464	Gm12862	predicted gene 12862 [Source:MGI Symbol;Acc:MGI:3651209]	4	118999660	119000485	-1	lincRNA
267	299	0.0503928793248108	ENSMUSG00000095332	Gm9821	predicted gene 9821 [Source:MGI Symbol;Acc:MGI:3704208]	2	91945703	91948688	1	antisense
269	300	0.0503928793248108	ENSMUSG00000096221	1500002C15Rik	RIKEN cDNA 1500002C15 gene [Source:MGI Symbol;Acc:MGI:1916196]	4	155732545	155734727	1	antisense
380	301	0.0503928793248108	ENSMUSG00000105430	Gm43301	predicted gene 43301 [Source:MGI Symbol;Acc:MGI:5663438]	5	122581469	122584853	1	antisense
262	302	0.050406243086034	ENSMUSG00000093467	Gm20659	predicted gene 20659 [Source:MGI Symbol;Acc:MGI:5313106]	11	101971143	101971859	1	antisense
313	303	0.0504668389965891	ENSMUSG00000097762	4732463B04Rik	RIKEN cDNA 4732463B04 gene [Source:MGI Symbol;Acc:MGI:3642483]	12	84039469	84053807	-1	antisense

156	304	0.0527034776077973	ENSMUSG00000086556	Gm15444	predicted gene 15444 [Source:MGI Symbol;Acc:MGI:3705796]	3	96209627	96220168	-1	antisense
181	305	0.0527034776077973	ENSMUSG00000087108	Gm16093	predicted gene 16093 [Source:MGI Symbol;Acc:MGI:3801946]	3	19227780	19240987	1	antisense
296	306	0.0527034776077973	ENSMUSG00000097321	1700028E10Rik	RIKEN cDNA 1700028E10 gene [Source:MGI Symbol;Acc:MGI:1916713]	5	151368675	151432118	1	processed_transcript
339	307	0.0527034776077973	ENSMUSG00000100320	Gm29417	predicted gene 29417 [Source:MGI Symbol;Acc:MGI:5580123]	18	35830389	35831093	-1	antisense
162	308	0.0528027313833079	ENSMUSG00000086820	Gm11465	predicted gene 11465 [Source:MGI Symbol;Acc:MGI:3649368]	2	165880025	165882056	-1	antisense
178	309	0.0528027313833079	ENSMUSG00000087058	Gm12301	predicted gene 12301 [Source:MGI Symbol;Acc:MGI:3650426]	11	67571622	67577466	-1	antisense
285	310	0.053054616827104 2	ENSMUSG00000097100	9230104M06Rik	RIKEN cDNA 9230104M06 gene [Source:MGI Symbol;Acc:MGI:3642845]	12	112999964	113001926	1	antisense
393	311	0.0530546168271042	ENSMUSG00000106478	Gm36551	predicted gene, 36551 [Source:MGI Symbol;Acc:MGI:5595710]	5	137857045	137860318	1	antisense
49	312	0.0532508332017496	ENSMUSG00000074219	Gm10644	predicted gene 10644 [Source:MGI Symbol;Acc:MGI:3704314]	8	83932329	83955343	-1	bidirectional_promoter_lncRNA
58	313	0.0538255811659018	ENSMUSG00000075277	Haglr	Hoxd antisense growth associated long non-coding RNA [Source:MGI Symbol;Acc:MGI:3026978]	2	74748422	74762896	-1	bidirectional_promoter_lncRNA
252	314	0.0551445433181245	ENSMUSG00000092183	4930515G01Rik	RIKEN cDNA 4930515G01 gene [Source:MGI Symbol;Acc:MGI:1914892]	5	114773737	114774983	-1	antisense
149	315	0.0558524709972605	ENSMUSG00000086368	Gm13830	predicted gene 13830 [Source:MGI Symbol;Acc:MGI:3651141]	5	115301120	115319208	1	lincRNA
24	316	0.0565002204474413	ENSMUSG00000055134	9130017K11Rik	RIKEN cDNA 9130017K11 gene [Source:MGI Symbol;Acc:MGI:1926030]	11	67921504	67947659	1	processed_transcript
223	317	0.0567923453776901	ENSMUSG00000089709	Gm16262	predicted gene 16262 [Source:MGI Symbol;Acc:MGI:3826533]	9	94695704	94702319	1	antisense
10	318	0.0570509028884673	ENSMUSG00000040705	A930016O22Rik	RIKEN cDNA A930016O22 gene [Source:MGI Symbol;Acc:MGI:3605623]	7	19417466	19421417	-1	antisense
385	319	0.0570509028884673	ENSMUSG00000105888	BC037156	cDNA sequence BC037156 [Source:MGI Symbol;Acc:MGI:3512757]	5	87908779	87914171	1	lincRNA
369	320	0.057260449070178 7	ENSMUSG00000103309	BC037039	cDNA sequence BC037039 [Source:MGI Symbol;Acc:MGI:3697820]	18	37805718	37807922	-1	antisense
167	321	0.0581275587592267	ENSMUSG00000086923	4930406D18Rik	RIKEN cDNA 4930406D18 gene [Source:MGI Symbol;Acc:MGI:1921056]	3	100426405	100437754	1	processed_transcript
74	322	0.0584612486739939	ENSMUSG00000084970	1700060J05Rik	RIKEN cDNA 1700060J05 gene [Source:MGI Symbol;Acc:MGI:1920641]	4	53562983	53564697	-1	antisense
168	323	0.0586161697782232	ENSMUSG00000086935	Gm15956	predicted gene 15956 [Source:MGI Symbol;Acc:MGI:3801856]	18	12193768	12198675	1	antisense
195	324	0.0598917147263868	ENSMUSG00000087344	Prkag2os2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit, opposite strand 2 [Source:MGI Symbol;Ac	5	24873544	24875934	1	antisense
129	325	0.0600333135052955	ENSMUSG00000085895	Gm12861	predicted gene 12861 [Source:MGI Symbol;Acc:MGI:3651891]	4	118971297	118999458	1	processed_transcript
2	326	0.0601177372693002	ENSMUSG00000013562	4833413E03Rik	RIKEN cDNA 4833413E03 gene [Source:MGI Symbol;Acc:MGI:1925354]	17	31557126	31559113	1	lincRNA
363	327	0.060809568410596	ENSMUSG00000102634	Gm38225	predicted gene, 38225 [Source:MGI Symbol;Acc:MGI:5611453]	18	36952651	36953043	-1	antisense
17	328	0.0613904851679986	ENSMUSG00000053214	Gm9899	predicted gene 9899 [Source:MGI Symbol;Acc:MGI:3708711]	5	30573987	30588619	1	processed_transcript
26	329	0.0613904851679986	ENSMUSG00000057802	Gm10030	predicted gene 10030 [Source:MGI Symbol;Acc:MGI:3641798]	9	110989499	111008029	1	processed_transcript
193	330	0.0613904851679986	ENSMUSG00000085991	Gm15991	predicted gene 15991 [Source:MGI Symbol;Acc:MGI:3801813]	8	67956769	67978051	1	antisense
35	331	0.0628279888161257	ENSMUSG00000072591	Fzd10os	frizzled class receptor 10, opposite strand [Source:MGI Symbol;Acc:MGI:2442398]	5	128579106	128600693	-1	lincRNA
343	332	0.0628279888161257	ENSMUSG00000100783	2310047D07Rik	RIKEN cDNA 2310047D07 gene [Source:MGI Symbol;Acc:MGI:1916907]	5	149231332	149237984	1	lincRNA
386	333	0.0633707430163853	ENSMUSG00000105900	Gm43240	predicted gene 43240 [Source:MGI Symbol;Acc:MGI:5663377]	3	144808376	144813538	1	antisense
237	334	0.0639840981907296	ENSMUSG00000090230	Gm16315	predicted gene 16315 [Source:MGI Symbol;Acc:MGI:3826564]	10	81301701	81302917	-1	antisense
109	335	0.0646248478831249	ENSMUSG00000085599	Gm13446	predicted gene 13446 [Source:MGI Symbol;Acc:MGI:3651453]	2	34993973	35013446	1	antisense
187	336	0.0646248478831249	ENSMUSG00000087190	D430001F17Rik	RIKEN cDNA D430001F17 gene [Source:MGI Symbol;Acc:MGI:2441973]	16	91931237	91962915	1	antisense
111	337	0.0646423280926424	ENSMUSG00000085624	Gm14573	predicted gene 14573 [Source:MGI Symbol;Acc:MGI:3705150]	6	91158713	91159256	-1	antisense
141	338	0.0649349728662156	ENSMUSG00000086220	Gm16599	predicted gene, 16599 [Source:MGI Symbol;Acc:MGI:4439523]	5	136274996	136417894	1	antisense
133	339	0.0651216213052847	ENSMUSG00000086043	Gm12473	predicted gene 12473 [Source:MGI Symbol;Acc:MGI:3652337]	4	43631539	43641533	-1	antisense
333	340	0.0651216213052847	ENSMUSG00000099930	Gm2396	predicted gene 2396 [Source:MGI Symbol;Acc:MGI:3780564]	9	88878994	88937342	-1	processed_transcript
82	341	0.0665034418872462	ENSMUSG00000085129	5031425F14Rik	RIKEN cDNA 5031425F14 gene [Source:MGI Symbol;Acc:MGI:2442533]	2	166447451	166459232	1	lincRNA
100	342	0.0665074483781263	ENSMUSG00000085457	1110046J04Rik	RIKEN cDNA 1110046J04 gene [Source:MGI Symbol;Acc:MGI:1916058]	13	33935567	33960181	1	antisense
14	343	0.0690443555173152	ENSMUSG00000045391	1700120B22Rik	RIKEN cDNA 1700120B22 gene [Source:MGI Symbol;Acc:MGI:3604190]	10	63243068	63244153	-1	bidirectional_promoter_lncRNA
215	344	0.069103995740003 6	ENSMUSG00000087633	Gm14455	predicted gene 14455 [Source:MGI Symbol;Acc:MGI:3711286]	2	172425804	172440560	-1	antisense
257	345	0.0691039957400036	ENSMUSG00000092399	4930556N13Rik	RIKEN cDNA 4930556N13 gene [Source:MGI Symbol;Acc:MGI:1922535]	11	88851604	88881395	1	antisense
317	346	0.0711874097881857	ENSMUSG00000097885	5031434O11Rik	RIKEN cDNA 5031434O11 gene [Source:MGI Symbol;Acc:MGI:1923230]	3	51560035	51567117	1	processed_transcript
263	347	0.0711923641914294	ENSMUSG00000092396	Gm20703	predicted gene 20703 [Source:MGI Symbol;Acc:MGI:5313150]	17	70834664	70836044	1	lincRNA
201	348	0.071388167279237	ENSMUSG00000087397	Rapgef3os2	Rap guanine nucleotide exchange factor (GEF) 3, opposite strand 2 [Source:MGI Symbol;Acc:MGI:382658	15	97766549	97768713	1	antisense
39	349	0.0715468215861047	ENSMUSG00000073594	Gm10545	predicted gene 10545 [Source:MGI Symbol;Acc:MGI:3704485]	18	37008868	37020679	-1	antisense
40	350	0.0715468215861047	ENSMUSG00000093652	Apol7d	apolipoprotein L 7d [Source:MGI Symbol;Acc:MGI:3723449]	1	71652837	71662843	1	antisense
227	351	0.0715468215861047	ENSMUSG00000089821	Efhd1os	EF hand domain containing 1, opposite strand [Source:MGI Symbol;Acc:MGI:4413444]	1	87264481	87265174	-1	antisense
268	352	0.0715468215861047	ENSMUSG00000095913	Gm21844	predicted gene, 21844 [Source:MGI Symbol;Acc:MGI:5434008]	19	4801512	4805784	1	antisense
287	353	0.0715468215861047	ENSMUSG00000097125	Gm26885	predicted gene, 26885 [Source:MGI Symbol;Acc:MGI:5477379]	17	29446919	29491925	-1	antisense
7	354	0.0730840331904226	ENSMUSG00000035983	Gm7008	predicted gene 7008 [Source:MGI Symbol;Acc:MGI:3647211]	12	40222758	40229184	1	antisense
140	355	0.0730840331904226	ENSMUSG00000086196	Gm13571	predicted gene 13571 [Source:MGI Symbol;Acc:MGI:3652223]	2	60338188	60371234	1	antisense
383	356	0.0732383714774325	ENSMUSG00000105698	Gm31881	predicted gene, 31881 [Source:MGI Symbol;Acc:MGI:5591040]	3	152106439	152107383	-1	antisense
137	357	0.0762114818130697	ENSMUSG00000086155	9430041J12Rik	RIKEN cDNA 9430041J12 gene [Source:MGI Symbol;Acc:MGI:1924573]	7	4074125	4120728	-1	antisense
172	358	0.0762114818130697	ENSMUSG00000086964	Gm15948	predicted gene 15948 [Source:MGI Symbol;Acc:MGI:3801731]	5	66988816	66991207	-1	antisense
112	359	0.0768443336751177	ENSMUSG00000085631	9630028H03Rik	RIKEN cDNA 9630028H03 gene [Source:MGI Symbol;Acc:MGI:2444526]	2	135325447	135583584	-1	antisense
297	360	0.0782740971940492	ENSMUSG00000097330	Gm26672	predicted gene, 26672 [Source:MGI Symbol;Acc:MGI:5477166]	18	37746559	37768242	-1	processed_transcript
314	361	0.0784827025873707	ENSMUSG00000097768	2310043M15Rik	RIKEN cDNA 2310043M15 gene [Source:MGI Symbol;Acc:MGI:1919180]	16	93792136	93794901	-1	antisense
53	362	0.0792424957199013	ENSMUSG00000074466	Gm15417	predicted gene 15417 [Source:MGI Symbol;Acc:MGI:3642531]	3	89391850	89398779	1	antisense
113	363	0.0792424957199013	ENSMUSG00000085645	Hoxb5os	homeobox B5 and homeobox B6, opposite strand [Source:MGI Symbol;Acc:MGI:1922645]	11	96291024	96306910	-1	antisense
315	364	0.0792424957199013	ENSMUSG00000097845	A230020J21Rik	RIKEN cDNA A230020J21 gene [Source:MGI Symbol;Acc:MGI:3704207]	1	191025350	191029781	1	antisense
319	365	0.0792424957199013	ENSMUSG00000097903	Gm26679	predicted gene, 26679 [Source:MGI Symbol;Acc:MGI:5477173]	14	120384859	120388985	-1	antisense
301	366	0.0794002904495936	ENSMUSG00000097405	D630044L22Rik	RIKEN cDNA gene D630044L22 gene [Source:MGI Symbol;Acc:MGI:3709661]	17	25951472	25963610	1	antisense
151	367	0.0799282334677326	ENSMUSG00000086430	4930551O13Rik	RIKEN cDNA 4930551O13 gene [Source:MGI Symbol;Acc:MGI:1922513]	2	5037280	5041133	1	antisense
92	368	0.0805055076232145	ENSMUSG00000085287	4833418N02Rik	RIKEN cDNA 4833418N02 gene [Source:MGI Symbol;Acc:MGI:1921847]	17	87274886	87282814	-1	processed_transcript
127	369	0.0809869235207191	ENSMUSG00000085860	2410003L11Rik	RIKEN cDNA 2410003L11 gene [Source:MGI Symbol;Acc:MGI:1916979]	11	97598511	97622893	1	processed_transcript
278	370	0.0816023871349212	ENSMUSG00000097032	4930539J05Rik	RIKEN cDNA 4930539J05 gene [Source:MGI Symbol;Acc:MGI:1922477]	3	135436209	135438665	1	antisense
51	371	0.0821540910796243	ENSMUSG00000074385	Gm10684	predicted gene 10684 [Source:MGI Symbol;Acc:MGI:3641851]	9	45107176	45135606	-1	lincRNA
125	372	0.0821540910796243	ENSMUSG00000085839	Gm15949	predicted gene 15949 [Source:MGI Symbol;Acc:MGI:3801730]	5	66985091	66985641	-1	antisense
135	373	0.0821540910796243	ENSMUSG00000086111	Gm15326	predicted gene 15326 [Source:MGI Symbol;Acc:MGI:3705205]	13	111867936	111874730	1	lincRNA
91	374	0.0821630696442244	ENSMUSG00000085280	Gm16151	predicted gene 16151 [Source:MGI Symbol;Acc:MGI:3801826]	1	38307902	38311930	-1	antisense
96	375	0.0823498536528138	ENSMUSG00000085424	Fhad1os1	forkhead-associated (FHA) phosphopeptide binding domain 1, opposite strand 1 [Source:MGI Symbol;Acc	4	141982992	141986797	1	antisense
355	376	0.0833012784261897	ENSMUSG00000101404	Gm28376	predicted gene 28376 [Source:MGI Symbol;Acc:MGI:5579082]	11	16898185	17091631	1	antisense
116	377	0.0837227753464954	ENSMUSG00000085708	Gm16063	predicted gene 16063 [Source:MGI Symbol;Acc:MGI:3801955]	5	119625942	119634464	1	lincRNA
54	378	0.0841760248152055	ENSMUSG00000074517	Gm10710	predicted gene 10710 [Source:MGI Symbol;Acc:MGI:3642896]	3	83125276	83129246	-1	antisense
85	379	0.0841760248152055	ENSMUSG00000085177	Gm11209	predicted gene 11209 [Source:MGI Symbol;Acc:MGI:3650632]	4	62627677	62633712	-1	antisense
217	380	0.0844062583485042	ENSMUSG00000087674	4930447M23Rik	RIKEN cDNA 4930447M23 gene [Source:MGI Symbol;Acc:MGI:1918902]	2	19344317	19351050	1	lincRNA
84	381	0.0847008057922606	ENSMUSG00000085169	Gm10785	predicted gene 10785 [Source:MGI Symbol;Acc:MGI:3642149]	16	91688898	91715642	1	antisense
68	382	0.0854332403588034	ENSMUSG00000084835	Gm12352	predicted gene 12352 [Source:MGI Symbol;Acc:MGI:3705172]	11	98438037	98439046	1	antisense
57	383	0.0854429524772669	ENSMUSG00000075025	Gm10804	predicted gene 10804 [Source:MGI Symbol;Acc:MGI:3641755]	2	93452819	93469871	1	lincRNA
213	384	0.086802813507986	ENSMUSG00000087581	Gm11571	predicted gene 11571 [Source:MGI Symbol;Acc:MGI:3650087]	11	100052286	100085983	1	antisense
198	385	0.0868197010439008	ENSMUSG00000087362	Gm13710	predicted gene 13710 [Source:MGI Symbol;Acc:MGI:3650894]	2	84500760	84531322	-1	lincRNA
340	386	0.0868197010439008	ENSMUSG00000100502	Gm28286	predicted gene 28286 [Source:MGI Symbol;Acc:MGI:5578992]	1	154027363	154034301	1	lincRNA
392	387	0.0868197010439008	ENSMUSG00000106219	5830416I19Rik	RIKEN cDNA 5830416I19 gene [Source:MGI Symbol;Acc:MGI:1922007]	5	64044978	64050228	1	lincRNA
122	388	0.08752782674833	ENSMUSG00000085802	Gm16059	predicted gene 16059 [Source:MGI Symbol;Acc:MGI:3802029]	15	79427220	79431629	1	antisense
330	389	0.08752782674833	ENSMUSG00000099470	Gm29340	predicted gene 29340 [Source:MGI Symbol;Acc:MGI:5580046]	2	116972575	116976428	-1	lincRNA
261	390	0.0891615556033553	ENSMUSG00000093452	Zfhx2os	zinc finger homeobox 2, opposite strand [Source:MGI Symbol;Acc:MGI:3620246]	14	55053869	55075873	1	antisense
59	391	0.0908724836904777	ENSMUSG00000078122	F630028O10Rik	RIKEN cDNA F630028O10 gene [Source:MGI Symbol;Acc:MGI:3641813]	X	96239926	96243636	1	antisense
344	392	0.0908724836904777	ENSMUSG00000100811	Gm29083	predicted gene 29083 [Source:MGI Symbol;Acc:MGI:5579789]	1	62714723	62718073	-1	antisense
407	393	0.0933473440880945	ENSMUSG00000107379	Gm43126	predicted gene 43126 [Source:MGI Symbol;Acc:MGI:5663263]	6	127122966	127126155	1	antisense
153	394	0.0943055057699192	ENSMUSG00000086487	Gm11638	predicted gene 11638 [Source:MGI Symbol;Acc:MGI:3651788]	11	105363252	105390642	1	processed_transcript
169	395	0.0958014668694259	ENSMUSG00000086937	Gm15063	predicted gene 15063 [Source:MGI Symbol;Acc:MGI:3705169]	X	75573452	75575268	1	antisense
316	396	0.0968601542587262	ENSMUSG00000097852	4933405D12Rik	RIKEN cDNA 4933405D12 gene [Source:MGI Symbol;Acc:MGI:1921307]	3	122864737	122924116	-1	antisense
144	397	0.0981027325159418	ENSMUSG00000086289	Gm16933	predicted gene, 16933 [Source:MGI Symbol;Acc:MGI:4439857]	8	25037052	25041892	1	lincRNA
243	398	0.0981027325159418	ENSMUSG00000090761	Gm17201	predicted gene 17201 [Source:MGI Symbol;Acc:MGI:4938028]	10	128391842	128395563	-1	antisense
402	399	0.0981027325159418	ENSMUSG00000107191	Gm43579	predicted gene 43579 [Source:MGI Symbol;Acc:MGI:5663716]	5	120626315	120627621	-1	antisense
174	400	0.098537988284763	ENSMUSG00000087001	Gm15475	predicted gene 15475 [Source:MGI Symbol;Acc:MGI:3705288]	6	84093772	84107007	-1	antisense
37	401	0.0986526221521867	ENSMUSG00000073236	2500004C02Rik	RIKEN cDNA 2500004C02 gene [Source:MGI Symbol;Acc:MGI:1919576]	2	153341157	153346073	1	processed_transcript
164	402	0.0986842320291354	ENSMUSG00000086844	B230206H07Rik	RIKEN cDNA B230206H07 gene [Source:MGI Symbol;Acc:MGI:2444929]	7	141359141	141365110	-1	processed_transcript
244	403	0.0986842320291354	ENSMUSG00000091393	5330438I03Rik	RIKEN cDNA 5330438I03 gene [Source:MGI Symbol;Acc:MGI:2685831]	1	166306741	166309585	-1	antisense
370	404	0.0986842320291354	ENSMUSG00000104231	Gm37592	predicted gene, 37592 [Source:MGI Symbol;Acc:MGI:5610820]	3	32511803	32512344	-1	antisense
50	405	0.0987362847720109	ENSMUSG00000074357	AA386476	expressed sequence AA386476 [Source:MGI Symbol;Acc:MGI:3034595]	8	47675391	47685239	1	bidirectional_promoter_lncRNA

| 337 | 406 | 0.099632773079301 | ENSMUSG00000100199 | Gm20324 | predicted gene, 20324 [Source:MGI Symbol;Acc:MGI:5012509] | | 15 | 82899080 | 82905818 | 1 | antisense |
| 345 | 407 | 0.099632773079301 | ENSMUSG00000100945 | Gm29529 | predicted gene 29529 [Source:MGI Symbol;Acc:MGI:5580235] | | 1 | 153690391 | 153692656 | -1 | antisense |

5