

annotated_red									
X	different_xp[us]	ensembl_gene_id	external_gene_name	description	chromosome_name	start_position	end_position	strand	gene_biotype
152	1	4.283768820678296-33	ENSMUSG000000091423	Gm17509	predicted gene, 17509 [Source:MGI Symbol;Acc:MGI:4937143]	13	117218701	117221075	-1 antisense
60	2	4.288260650241566-24	ENSMUSG000000085649	A730032A03Rik		2	164177584	164198664	1 antisense
140	3	1.538022527530456-20	ENSMUSG000000089961	Gm16567	predicted gene 16567 [Source:MGI Symbol;Acc:MGI:4414987]	6	124530911	124542310	1 antisense
197	4	3.868978070245496-13	ENSMUSG000000100954	Gm10138	predicted gene 10138 [Source:MGI Symbol;Acc:MGI:3708522]	1	151339604	151345231	-1 antisense
145	5	7.77094601918005E-13	ENSMUSG000000090208	Gm15851	predicted gene 15851 [Source:MGI Symbol;Acc:MGI:3801734]	1	133906531	133914822	-1 antisense
133	6	1.03001751911621E-12	ENSMUSG000000087698	Gm13031	predicted gene 13031 [Source:MGI Symbol;Acc:MGI:3702680]	4	140947666	140957902	-1 antisense
78	7	1.84560700250865E-12	ENSMUSG000000086052	Gm11802	predicted gene 11802 [Source:MGI Symbol;Acc:MGI:3650651]	4	6688169	6704160	1 antisense
155	8	1.84560700250865E-12	ENSMUSG000000089283	Gm20412	predicted gene 20412 [Source:MGI Symbol;Acc:MGI:5141877]	2	158117154	158117905	1 processed_transcript
182	9	1.90547423107174E-10	ENSMUSG000000097988	Gm10535	predicted gene 10535 [Source:MGI Symbol;Acc:MGI:3642442]	1	135108961	135113378	1 antisense
45	10	9.579258491421E-10	ENSMUSG000000085083	Gm11615	predicted gene 11615 [Source:MGI Symbol;Acc:MGI:3652280]	11	101264762	101268303	-1 antisense
143	11	8.03438724722014E-09	ENSMUSG000000090054	Gm15629	predicted gene 15629 [Source:MGI Symbol;Acc:MGI:3783073]	14	75197073	75199271	-1 antisense
193	12	8.26376351522402E-09	ENSMUSG000000100627	A83008E24Rik	RIKEN cDNA A83008E24 gene [Source:MGI Symbol;Acc:MGI:3041183]	1	154037597	154117951	-1 lincRNA
56	13	8.40187458464387E-09	ENSMUSG000000085297	Gm11651	predicted gene 11651 [Source:MGI Symbol;Acc:MGI:3651203]	11	105965608	105985694	-1 antisense
148	14	3.85196396338678E-08	ENSMUSG000000090263	D730045A05Rik	RIKEN cDNA D730045A05 gene [Source:MGI Symbol;Acc:MGI:1925105]	18	74017907	74020098	1 lincRNA
127	15	6.48026767471206E-08	ENSMUSG000000087500	Gm12426	predicted gene 12426 [Source:MGI Symbol;Acc:MGI:3650989]	4	47197487	47208459	-1 antisense
215	16	1.01855072306841E-07	ENSMUSG000000104894	Gm43507	predicted gene 43507 [Source:MGI Symbol;Acc:MGI:5663644]	5	44841484	44862153	1 antisense
5	17	2.25757193391726E-07	ENSMUSG000000038491	Cdk19os	cyclin-dependent kinase 19, opposite strand [Source:MGI Symbol;Acc:MGI:1914837]	10	40348508	40350103	-1 antisense
212	18	7.0091863031953E-07	ENSMUSG000000103288	Gm37273	predicted gene, 37273 [Source:MGI Symbol;Acc:MGI:5610501]	1	162983014	163066682	1 antisense
201	19	1.3012428036875E-06	ENSMUSG000000101445	Gm28932	predicted gene 28932 [Source:MGI Symbol;Acc:MGI:5579638]	14	123972910	123980619	1 antisense
68	20	3.47559142999252E-06	ENSMUSG000000085725	Gm15873	predicted gene 15873 [Source:MGI Symbol;Acc:MGI:3802055]	7	4526536	4530575	1 antisense
21	21	4.61738394574947E-06	ENSMUSG000000074178	Gm10638	predicted gene 10638 [Source:MGI Symbol;Acc:MGI:3704316]	8	86745453	86748655	1 antisense
85	22	5.03265893460846E-06	ENSMUSG000000086266	Igf2os	insulin-like growth factor 2, opposite strand [Source:MGI Symbol;Acc:MGI:1195257]	7	142659693	142670356	1 antisense
122	23	7.17551755278E-06	ENSMUSG000000088741	Gm18048	predicted gene 16048 [Source:MGI Symbol;Acc:MGI:3801850]	3	90451583	90457095	1 antisense
130	24	9.15427716409958E-06	ENSMUSG000000087612	A230005M16Rik	RIKEN cDNA A230005M16 gene [Source:MGI Symbol;Acc:MGI:3603401]	2	25705850	25709716	-1 antisense
199	25	9.15427716409958E-06	ENSMUSG000000093656	Gm20628	predicted gene 20628 [Source:MGI Symbol;Acc:MGI:5313075]	3	96267075	96270289	-1 antisense
82	26	1.1880221850084E-05	ENSMUSG000000086170	Gm12144	predicted gene 12144 [Source:MGI Symbol;Acc:MGI:3649865]	11	43229563	43232264	-1 antisense
3	27	1.602002148107167E-05	ENSMUSG000000025644	Gm7628	predicted gene 7628 [Source:MGI Symbol;Acc:MGI:3643956]	9	109093844	109097796	-1 antisense
37	28	2.5889681918667E-05	ENSMUSG000000079467	Gm14966	predicted gene 14966 [Source:MGI Symbol;Acc:MGI:3705223]	19	6355522	6356759	-1 antisense
135	29	4.54419991448169E-05	ENSMUSG000000089635	Gm16559	predicted gene 16559 [Source:MGI Symbol;Acc:MGI:4414979]	3	139281408	139307022	-1 antisense
60	30	5.98501674918006E-05	ENSMUSG000000085516	4930538E20Rik	RIKEN cDNA 4930538E20 gene [Source:MGI Symbol;Acc:MGI:1925450]	11	24160528	24172824	-1 antisense
149	31	8.88634530664519E-05	ENSMUSG000000090708	Gm17196	predicted gene 17196 [Source:MGI Symbol;Acc:MGI:4938023]	10	41553762	41556552	1 antisense
154	32	8.88634530664519E-05	ENSMUSG000000091709	Gm17189	predicted gene 17189 [Source:MGI Symbol;Acc:MGI:4938016]	15	74784065	74800460	1 antisense
165	33	8.99579211012374E-05	ENSMUSG0000000997081	Gm10425	predicted gene 10425 [Source:MGI Symbol;Acc:MGI:3642471]	11	111428874	111430946	-1 antisense
110	34	8.99579211012374E-05	ENSMUSG000000102840	Gm38037	predicted gene, 38037 [Source:MGI Symbol;Acc:MGI:5611265]	1	191820370	191821993	-1 antisense
212	35	9.3699236911399E-05	ENSMUSG000000087139	Gm11883	predicted gene 11883 [Source:MGI Symbol;Acc:MGI:3651846]	11	109797183	109802796	1 antisense
96	36	9.3699236911399E-05	ENSMUSG000000102564	Gm37035	predicted gene, 37035 [Source:MGI Symbol;Acc:MGI:5610263]	3	61001639	61003786	-1 antisense
20	37	0.000111395530881573	ENSMUSG000000086421	Gm14091	predicted gene 14091 [Source:MGI Symbol;Acc:MGI:3650548]	2	118829874	118834122	-1 antisense
110	38	0.000111609867143256	ENSMUSG0000000887113	Gm11714	predicted gene 11714 [Source:MGI Symbol;Acc:MGI:3649214]	11	107428276	107435866	1 processed_transcript
126	39	0.000114381868170731	ENSMUSG0000000887492	Gm15700	predicted gene 15700 [Source:MGI Symbol;Acc:MGI:3783140]	7	46561301	46578201	1 antisense
77	40	0.000124383112632928	ENSMUSG000000085995	Gm2788	predicted gene 2788 [Source:MGI Symbol;Acc:MGI:3780956]	7	48877958	48913040	1 processed_transcript
66	41	0.000128166633490672	ENSMUSG000000085651	Gm11695	predicted gene 11695 [Source:MGI Symbol;Acc:MGI:3649841]	11	115462045	115463454	-1 antisense
69	42	0.000167704814911892	ENSMUSG000000085784	Gm12158	predicted gene 12158 [Source:MGI Symbol;Acc:MGI:3649487]	11	44659522	44662876	-1 antisense
153	43	0.000171269693723636	ENSMUSG0000000991479	Gm17035	predicted gene 17035 [Source:MGI Symbol;Acc:MGI:4937882]	15	66929607	66931107	1 antisense
33	44	0.000232639834533707	ENSMUSG000000075010	AW112010	expressed sequence AW112010 [Source:MGI Symbol;Acc:MGI:2147708]	19	11047612	11058808	-1 lincRNA
10	45	0.000250634868745998	ENSMUSG000000045231	BC106179	cDNA sequence BC106179 [Source:MGI Symbol;Acc:MGI:3702726]	16	23220656	23225484	-1 processed_transcript
92	46	0.0003327602321751866	ENSMUSG000000086527	Gm15856	predicted gene 15856 [Source:MGI Symbol;Acc:MGI:3801886]	6	121223692	121226153	-1 antisense
210	47	0.000348590888979426	ENSMUSG000000107078	Gm36840	predicted gene, 36840 [Source:MGI Symbol;Acc:MGI:5595999]	5	32320764	32354883	-1 antisense
134	48	0.00036042110554685	ENSMUSG000000087201	Gm15261	predicted gene 15261 [Source:MGI Symbol;Acc:MGI:3705201]	X	169037674	169106536	-1 antisense
109	49	0.000375066188950592	ENSMUSG000000087059	Gm12339	predicted gene 12339 [Source:MGI Symbol;Acc:MGI:3650628]	11	75794768	75825241	1 processed_transcript
167	50	0.000375066188950592	ENSMUSG000000087224	Gm26716	predicted gene, 26716 [Source:MGI Symbol;Acc:MGI:5477210]	4	130824394	130828313	-1 antisense
51	51	0.00039138667038112	ENSMUSG000000101304	Ple1os	placenta expressed transcript 1, opposite strand [Source:MGI Symbol;Acc:MGI:1916881]	9	50488795	50507823	-1 antisense
206	52	0.000423935716502646	ENSMUSG0000000997085	Gm26634	predicted gene, 26634 [Source:MGI Symbol;Acc:MGI:5477128]	15	78862956	78868533	-1 lincRNA
211	53	0.00047898390715124	ENSMUSG000000060380	C030014I23Rik	RIKEN cDNA C030014I23 gene [Source:MGI Symbol;Acc:MGI:1924631]	9	44468344	44482180	-1 lincRNA
118	54	0.0005318293824076	ENSMUSG000000103103	483344507Rik	RIKEN cDNA 483344507 gene [Source:MGI Symbol;Acc:MGI:2143568]	9	108565733	108569174	1 lincRNA
157	55	0.000539505779167514	ENSMUSG000000082483	Gm20421	predicted gene 20421 [Source:MGI Symbol;Acc:MGI:5141886]	4	154960770	154961678	-1 processed_transcript
121	56	0.0006034941965813767	ENSMUSG000000087406	RIKEN cDNA E130215H24 gene [Source:MGI Symbol;Acc:MGI:1926091]	2	50607944	50608835	-1 processed_transcript	
43	57	0.00117341791859224	ENSMUSG000000085968	Gm15895	predicted gene 15895 [Source:MGI Symbol;Acc:MGI:3820271]	8	110805638	110807477	1 antisense
111	58	0.00137225772092362	ENSMUSG000000087135	Gm16096	predicted gene 16096 [Source:MGI Symbol;Acc:MGI:3801895]	9	40780742	40784191	-1 processed_transcript
6	59	0.00152781225776141	ENSMUSG000000039796	2600006K1Rik	RIKEN cDNA 2600006K1 gene [Source:MGI Symbol;Acc:MGI:1917569]	2	29868723	29870317	-1 antisense
160	60	0.00162865767740953	ENSMUSG000000093721	Gm3896	predicted gene 3896 [Source:MGI Symbol;Acc:MGI:3782069]	9	37015758	37020671	1 antisense
61	61	0.0016397012827973	ENSMUSG000000085533	Gm12146	predicted gene 12146 [Source:MGI Symbol;Acc:MGI:3649687]	11	43197424	43259784	-1 antisense
17	62	0.00169879653622016	ENSMUSG000000059713	Gm10032	predicted gene 10032 [Source:MGI Symbol;Acc:MGI:3642901]	14	66784480	66793758	1 lincRNA
216	63	0.00169879653622016	ENSMUSG000000104932	Gm40323	predicted gene, 40323 [Source:MGI Symbol;Acc:MGI:5623208]	5	125361175	125370760	-1 lincRNA
123	64	0.00169879653622016	ENSMUSG000000107317	Gm19719	predicted gene, 19719 [Source:MGI Symbol;Acc:MGI:5011904]	5	149282572	149287868	-1 antisense
231	65	0.00191339052325941	ENSMUSG0000000887451	Gm12970	predicted gene 12970 [Source:MGI Symbol;Acc:MGI:3650040]	4	130811617	130812326	-1 antisense
36	66	0.00197917899588888	ENSMUSG000000079045	Prox1os	prospero homeobox 1, opposite strand [Source:MGI Symbol;Acc:MGI:4937200]	1	190170296	190217276	1 antisense
9	67	0.0020796005554108	ENSMUSG000000044867	Gmap1os	GTPase, IMAP family member 1, opposite strand [Source:MGI Symbol;Acc:MGI:3781523]	6	48738346	48741444	-1 processed_transcript
109	68	0.0020973293681187779	ENSMUSG0000000887109	4930474H06Rik	RIKEN cDNA 4930474H06 gene [Source:MGI Symbol;Acc:MGI:3697432]	12	71317621	71321660	-1 processed_transcript
91	69	0.002098325791127176	ENSMUSG000000086491	Gm13291	predicted gene 13291 [Source:MGI Symbol;Acc:MGI:3649284]	2	11385003	11387064	1 lincRNA
175	70	0.0030679093875209	ENSMUSG0000000997471	583043E09Rik	RIKEN cDNA 583043E09 gene [Source:MGI Symbol;Acc:MGI:1915015]	7	135635931	135653214	-1 antisense
223	71	0.0030679093875209	ENSMUSG000000106108	Gm43221	predicted gene 43221 [Source:MGI Symbol;Acc:MGI:5663356]	3	109000024	109002094	1 antisense
229	72	0.00316883913177919	ENSMUSG000000106567	201030921Rik	RIKEN cDNA 201030921 gene [Source:MGI Symbol;Acc:MGI:1917268]	16	19051367	19106749	1 antisense
147	73	0.00332574576579156	ENSMUSG000000092527	Gm4524	predicted gene 4524 [Source:MGI Symbol;Acc:MGI:3782709]	16	25956475	25960342	1 antisense
52	74	0.0033949350358945	ENSMUSG000000085245	Gm11713	predicted gene 11713 [Source:MGI Symbol;Acc:MGI:3652139]	11	107410390	107413549	1 antisense
96	75	0.00340202078748629	ENSMUSG000000086636	Gm13748	predicted gene 13748 [Source:MGI Symbol;Acc:MGI:3702115]	1	64078654	64090782	1 antisense
181	76	0.00353264300749245	ENSMUSG000000099795	Gm26918	predicted gene, 26918 [Source:MGI Symbol;Acc:MGI:5504033]	5	14520673	14539852	-1 antisense
41	77	0.00355750786463097	ENSMUSG000000084908	C79798	expressed sequence C79798 [Source:MGI Symbol;Acc:MGI:2138494]	2	34287771	34304440	-1 antisense
95	78	0.00355750786463097	ENSMUSG000000086741	Gm15816	predicted gene 15816 [Source:MGI Symbol;Acc:MGI:3802114]	8	23138794	23149585	-1 antisense
188	79	0.0037549776445537	ENSMUSG000000099605	170066N21Rik	RIKEN cDNA 170066N21 gene [Source:MGI Symbol;Acc:MGI:1920721]	5	87908579	87979351	-1 antisense
80	80	0.00389612380302104	ENSMUSG000000084783	Gm15419	predicted gene 15419 [Source:MGI Symbol;Acc:MGI:3705203]	8	11399186	11417892	-1 antisense
75	81	0.0042731598630926	ENSMUSG000000085918	Gm13032	predicted gene 13032 [Source:MGI Symbol;Acc:MGI:3702685]	4	140810993	140817511	1 processed_transcript
82	82	0.00438558807174507	ENSMUSG000000086575	Gm14104	predicted gene 14104 [Source:MGI Symbol;Acc:MGI:3651500]	2	1		

59	107	0.0108970170904109	ENSMUSG000000085439	Rapgef4os1	Rap guanine nucleotide exchange factor (GEF) 4, opposite strand 1 [Source:MGI Symbol;Acc:MGI:3649714]	2	72097603	72148796	-1	antisense
108	108	0.0109737818592393	ENSMUSG000000086150	Bach2os	BTB and CNC homology 2, opposite strand [Source:MGI Symbol;Acc:MGI:3041246]	4	32559680	32571708	-1	antisense
146	109	0.0109737818592393	ENSMUSG000000090214	Gm15657	predicted gene 15657 [Source:MGI Symbol;Acc:MGI:3783100]	16	33770430	33796874	-1	antisense
94	110	0.011169033261792	ENSMUSG000000086689	Gm16876	predicted gene, 16876 [Source:MGI Symbol;Acc:MGI:4439800]	12	91684665	91693590	-1	antisense
220	111	0.012305703539104	ENSMUSG000000105703	Gm43305	predicted gene 43305 [Source:MGI Symbol;Acc:MGI:566342]	14	54292443	54297456	-1	processed_transcript
187	112	0.0123907694491	ENSMUSG000000099568	Gm28513	predicted gene 28513 [Source:MGI Symbol;Acc:MGI:5579219]	1	153743552	153749324	-1	antisense
25	113	0.0135585621797541	ENSMUSG000000073759	Gm16287	predicted gene 16287 [Source:MGI Symbol;Acc:MGI:365032]	4	139175405	139180655	-1	antisense
161	114	0.0137531390949123	ENSMUSG000000089650	Gm8530	predicted gene 9530 [Source:MGI Symbol;Acc:MGI:3779939]	1	155063447	155083266	-1	lincRNA
42	115	0.0138418184577173	ENSMUSG000000084968	Gm12743	predicted gene 12743 [Source:MGI Symbol;Acc:MGI:3651449]	4	108592425	108619849	-1	processed_transcript
183	116	0.0141613073893484	ENSMUSG000000098145	Gm26936	predicted gene, 26936 [Source:MGI Symbol;Acc:MGI:5504051]	1	137828389	137969240	-1	lincRNA
104	117	0.0141629698456897	ENSMUSG000000087022	9130024F11Rik	RIKEN cDNA 9130024F11 gene [Source:MGI Symbol;Acc:MGI:1926150]	1	56971412	57050084	-1	processed_transcript
100	118	0.0167214274262996	ENSMUSG000000089644	Gm15859	predicted gene 15859 [Source:MGI Symbol;Acc:MGI:3801904]	16	4729869	4730809	-1	antisense
128	119	0.0169012012310194	ENSMUSG000000087518	Gm13561	predicted gene 13561 [Source:MGI Symbol;Acc:MGI:3651674]	2	62357071	62470913	-1	antisense
172	120	0.0169012012310194	ENSMUSG000000097357	Gm16793	predicted gene, 16793 [Source:MGI Symbol;Acc:MGI:4439717]	8	35582503	35588972	-1	bidirectional_promoter_lincRNA
20	121	0.0170751018940753	ENSMUSG000000069793	Gm8994	predicted gene 6994 [Source:MGI Symbol;Acc:MGI:3647788]	14	774779483	77506868	-1	antisense
185	122	0.0170751018940753	ENSMUSG000000089843	Gm27240	predicted gene 27240 [Source:MGI Symbol;Acc:MGI:5521083]	9	32709652	32711171	-1	antisense
51	123	0.0172998745055229	ENSMUSG000000085196	Gm14963	predicted gene 14963 [Source:MGI Symbol;Acc:MGI:3705162]	19	6268795	6276605	-1	lincRNA
108	124	0.0183319678979595	ENSMUSG000000088707	A682270	expressed sequence A682270 [Source:MGI Symbol;Acc:MGI:2144254]	11	83223576	83226604	-1	processed_transcript
141	125	0.0192619648793365	ENSMUSG000000090009	Gm16282	predicted gene 16282 [Source:MGI Symbol;Acc:MGI:3826590]	7	29138440	29140312	-1	antisense
13	126	0.0193680259877155	ENSMUSG000000053615	Gm8913	predicted gene 9913 [Source:MGI Symbol;Acc:MGI:3642395]	2	125505089	125507881	-1	antisense
55	127	0.0193680259877155	ENSMUSG000000085829	Gm15337	predicted gene 15337 [Source:MGI Symbol;Acc:MGI:3705103]	18	39367038	39389425	-1	antisense
101	128	0.0193680259877155	ENSMUSG000000089646	Gm15527	predicted gene 15527 [Source:MGI Symbol;Acc:MGI:3782974]	6	54245742	54279076	-1	processed_transcript
4	129	0.0199583643075933	ENSMUSG000000031736	Cnde	coloectal neoplasia differentially expressed (non-protein coding) [Source:MGI Symbol;Acc:MGI:1918546]	8	92326033	92356120	-1	processed_transcript
58	130	0.020359789393967	ENSMUSG000000085434	Gm11725	predicted gene 11725 [Source:MGI Symbol;Acc:MGI:3649395]	11	11871250	118787416	-1	antisense
44	131	0.020396159894921	ENSMUSG000000085071	Gm14066	predicted gene 14066 [Source:MGI Symbol;Acc:MGI:3649728]	2	139256876	139677714	-1	processed_transcript
164	132	0.0214134055500801	ENSMUSG000000097074	4833428L15Rik	RIKEN cDNA 4833428L15 gene [Source:MGI Symbol;Acc:MGI:1921852]	9	45416626	45431730	-1	antisense
214	133	0.0214232450100529	ENSMUSG000000104441	Gm35801	predicted gene, 35801 [Source:MGI Symbol;Acc:MGI:5594960]	1	40572188	40580602	-1	antisense
76	134	0.022994616490713	ENSMUSG000000085944	17000330D9Rik	RIKEN cDNA 17000330D9 gene [Source:MGI Symbol;Acc:MGI:1916588]	11	98350718	98358283	-1	processed_transcript
225	135	0.022994616490713	ENSMUSG000000106155	Gm43495	predicted gene 43495 [Source:MGI Symbol;Acc:MGI:5663632]	5	137870754	137871209	-1	antisense
32	136	0.023273012225392	ENSMUSG000000047453	Gm14092	predicted gene 14092 [Source:MGI Symbol;Acc:MGI:3651965]	2	145550652	145554982	-1	antisense
46	137	0.0236625330651146	ENSMUSG000000085089	Arhgap15os	Rho GTPase activating protein 15, opposite strand [Source:MGI Symbol;Acc:MGI:2444930]	2	44059238	44065324	-1	antisense
118	138	0.024153439644616	ENSMUSG000000088780	2210408F21Rik	RIKEN cDNA 2210408F21 gene [Source:MGI Symbol;Acc:MGI:1920902]	6	3120351	31337404	-1	processed_transcript
11	139	0.0253921197355085	ENSMUSG000000052143	Gm8869	predicted gene 8869 [Source:MGI Symbol;Acc:MGI:3642719]	9	60821552	60830020	-1	antisense
71	140	0.0267755437979553	ENSMUSG000000085838	Chrt1os1	chimerin 1, opposite strand 1 [Source:MGI Symbol;Acc:MGI:3702041]	2	73658270	73660263	-1	antisense
137	141	0.0268560514483986	ENSMUSG000000089710	Gm15810	predicted gene 15810 [Source:MGI Symbol;Acc:MGI:3820242]	13	42782692	42788258	-1	antisense
70	142	0.0283630077516544	ENSMUSG000000085937	Kcnmb2os2	potassium large conductance calcium-activated channel, subfamily M, beta member 4, opposite strand 2 [Source:MGI Sy	10	116473163	116475319	-1	antisense
83	143	0.0287745063793459	ENSMUSG000000086181	C230034O21Rik	RIKEN cDNA C230034O21 gene [Source:MGI Symbol;Acc:MGI:2441892]	3	38674570	38688259	-1	antisense
228	144	0.0299874866247217	ENSMUSG000000106524	Gm42706	predicted gene 42706 [Source:MGI Symbol;Acc:MGI:5662843]	3	143770539	143772448	-1	lincRNA
199	145	0.0310221055544926	ENSMUSG000000101295	Gm28180	predicted gene 28180 [Source:MGI Symbol;Acc:MGI:5578886]	11	74992773	74993494	-1	antisense
180	146	0.0311667629794508	ENSMUSG000000097915	A33009N23Rik	RIKEN cDNA A33009N23 gene [Source:MGI Symbol;Acc:MGI:2443491]	15	101221195	101225186	-1	antisense
8	147	0.0322522710004268	ENSMUSG000000044471	Lncipint	long non-coding control RNA, Trp53 induced transcript [Source:MGI Symbol;Acc:MGI:2673128]	6	31082565	31220488	-1	lincRNA
40	148	0.0332826893640878	ENSMUSG000000084884	Gm12289	predicted gene 12289 [Source:MGI Symbol;Acc:MGI:3648419]	11	64012615	64015224	-1	antisense
205	149	0.0338217168456579	ENSMUSG000000102191	Gm36569	predicted gene, 36569 [Source:MGI Symbol;Acc:MGI:5595728]	3	79859293	79886806	-1	antisense
204	150	0.0338431032920931	ENSMUSG000000102060	1700061E17Rik	RIKEN cDNA 1700061E17 gene [Source:MGI Symbol;Acc:MGI:3642196]	9	110986201	110987804	-1	antisense
116	151	0.034153439644616	ENSMUSG000000088737	493046624Rik	RIKEN cDNA 493046624 gene [Source:MGI Symbol;Acc:MGI:1923066]	6	82012394	82016117	-1	antisense
170	152	0.0347713091733993	ENSMUSG000000097228	Gm26597	predicted gene, 26597 [Source:MGI Symbol;Acc:MGI:5477091]	5	147399554	147401917	-1	antisense
198	153	0.0348179071747781	ENSMUSG000000101223	4930568A12Rik	RIKEN cDNA 4930568A12 gene [Source:MGI Symbol;Acc:MGI:1923133]	1	34477167	34488933	-1	lincRNA
203	154	0.0350615932778426	ENSMUSG000000101801	1700020G17Rik	RIKEN cDNA 1700020G17 gene [Source:MGI Symbol;Acc:MGI:1923880]	10	110784585	110986550	-1	antisense
87	155	0.0351880847812594	ENSMUSG000000086315	Arf4os	ADP-ribosylation factor-like 4A, opposite strand [Source:MGI Symbol;Acc:MGI:2151103]	12	40038098	40040027	-1	antisense
163	156	0.0359861941617527	ENSMUSG000000097002	Gm2670	predicted gene 2670 [Source:MGI Symbol;Acc:MGI:3780638]	14	28508074	28511932	-1	antisense
134	157	0.0369813735260965	ENSMUSG000000087703	Gm15650	predicted gene 15650 [Source:MGI Symbol;Acc:MGI:3783094]	5	35722555	35724485	-1	antisense
49	158	0.0365391673881115	ENSMUSG000000085154	C130049K22Rik	RIKEN cDNA C130049K22 gene [Source:MGI Symbol;Acc:MGI:3026935]	11	103697724	103722832	-1	processed_transcript
120	159	0.0384118959786422	ENSMUSG000000080400	Gm15270	predicted gene 15270 [Source:MGI Symbol;Acc:MGI:3705149]	10	24549441	24597108	-1	processed_transcript
158	160	0.0398565517874359	ENSMUSG000000093650	Gm20631	predicted gene 20631 [Source:MGI Symbol;Acc:MGI:5313078]	1	150625266	150783499	-1	antisense
261	161	0.040115569598568	ENSMUSG000000073821	8030451A03Rik	RIKEN cDNA 8030451A03 gene [Source:MGI Symbol;Acc:MGI:1915353]	4	63979854	64149924	-1	processed_transcript
1	162	0.0401749345333295	ENSMUSG000000000031	H19	H19, imprinted maternally expressed transcript [Source:MGI Symbol;Acc:MGI:95891]	7	142575529	142578143	-1	lincRNA
62	163	0.0408295745927246	ENSMUSG000000085596	Gm11476	predicted gene 11476 [Source:MGI Symbol;Acc:MGI:3705135]	2	167553314	167607845	-1	processed_transcript
24	164	0.041260853394296	ENSMUSG000000073679	Mra8os	matrix-remodelling associated 8, opposite strand [Source:MGI Symbol;Acc:MGI:3704241]	4	155839492	155840178	-1	antisense
14	165	0.0415902772076053	ENSMUSG000000055443	Gm8947	predicted gene 9947 [Source:MGI Symbol;Acc:MGI:3642738]	1	14752937	14776931	-1	antisense
191	166	0.043990824073135	ENSMUSG000000100247	A33005M12Rik	RIKEN cDNA A33005M12 gene [Source:MGI Symbol;Acc:MGI:3045369]	1	106400178	106401987	-1	lincRNA
209	167	0.0456388490344708	ENSMUSG000000102778	Gm38165	predicted gene, 38165 [Source:MGI Symbol;Acc:MGI:5611383]	18	61981046	61992384	-1	antisense
167	168	0.0464608438151112	ENSMUSG000000097120	Gm26687	predicted gene, 26687 [Source:MGI Symbol;Acc:MGI:5477381]	8	84192774	84197667	-1	lincRNA
84	169	0.04757051922985	ENSMUSG000000086231	Rapgef4os3	Rap guanine nucleotide exchange factor (GEF) 4, opposite strand 3 [Source:MGI Symbol;Acc:MGI:2442008]	2	72244965	72248975	-1	antisense
105	170	0.04757051922985	ENSMUSG000000097024	B230119M05Rik	RIKEN cDNA B230119M05 gene [Source:MGI Symbol;Acc:MGI:1925233]	X	134684562	134686462	-1	processed_transcript
125	171	0.04757051922985	ENSMUSG000000087477	Gm13822	predicted gene 13822 [Source:MGI Symbol;Acc:MGI:3650351]	5	114917318	114923277	-1	antisense
162	172	0.04757051922985	ENSMUSG000000099680	A33003B05Rik	RIKEN cDNA A33003B05 gene [Source:MGI Symbol;Acc:MGI:2442128]	16	25059639	25060958	-1	lincRNA
108	173	0.047572051922985	ENSMUSG000000102717	Gm37789	predicted gene, 37789 [Source:MGI Symbol;Acc:MGI:5610987]	1	136116577	136119822	-1	antisense
174	174	0.0481612083370443	ENSMUSG000000099746	Gm16958	predicted gene, 16958 [Source:MGI Symbol;Acc:MGI:4439882]	3	1267161304	1267168288	-1	antisense
15	175	0.0494694919484377	ENSMUSG000000059410	4931415C17Rik	RIKEN cDNA 4931415C17 gene [Source:MGI Symbol;Acc:MGI:1918216]	8	12672186	12679229	-1	processed_transcript
113	176	0.0503928793248108	ENSMUSG000000080720	Lpfr3os3	low density lipoprotein receptor-related protein 8, apolipoprotein E receptor, opposite strand 3 [Source:MGI Symbol;Acc:M	4	107793181	107802064	-1	bidirectional_promoter_lincRNA
124	177	0.0503928793248108	ENSMUSG000000087464	Gm12862	predicted gene 12862 [Source:MGI Symbol;Acc:MGI:3651209]	4	118999660	119000485	-1	antisense
218	178	0.0503928793248108	ENSMUSG000000105430	Gm43301	predicted gene 43301 [Source:MGI Symbol;Acc:MGI:5663438]	5	122581469	122584853	-1	antisense
177	179	0.0504683996589589	ENSMUSG000000097762	4732463B04Rik	RIKEN cDNA 4732463B04 gene [Source:MGI Symbol;Acc:MGI:3642483]	12	84039469	84053807	-1	antisense
171	180	0.0527034770779793	ENSMUSG000000099731	1700028E10Rik	RIKEN cDNA 1700028E10 gene [Source:MGI Symbol;Acc:MGI:1916713]	5	151368675	151432118	-1	processed_transcript
106	181	0.0528027313833079	ENSMUSG0000000887058	Gm12301	predicted gene 12301 [Source:MGI Symbol;Acc:MGI:3650426]	11	67571622	67577466	-1	antisense
227	182	0.0530546188271042	ENSMUSG000000106478	Gm36551	predicted gene, 36551 [Source:MGI Symbol;Acc:MGI:5595710]	5	137857045	137860318	-1	antisense
34	183	0.0532855811659018	ENSMUSG000000075277	Haglr	Hoxd antisense growth associated long non-coding RNA [Source:MGI Symbol;Acc:MGI:3028978]	2	74748422	74762896	-1	bidirectional_promoter_lincRNA
89	184	0.0558524709972905	ENSMUSG000000086368	Gm13830	predicted gene 13830 [Source:MGI Symbol;Acc:MGI:3651141]	5	115301120	115319208	-1	lincRNA
136	185	0.0567923453776901	ENSMUSG000000089709	Gm16282	predicted gene 16282 [Source:MGI Symbol;Acc:MGI:3826533]	9	94895704	94702319	-1	antisense
7	186									

67	215	0.0837227753464954	ENSMUSG000000085708	Gm16063	predicted gene 16063 [Source:MGI SymbolAcc:MGI:3801955]		5	119625942	119634464	1	lincRNA
31	216	0.0841760248152055	ENSMUSG000000074517	Gm10710	predicted gene 10710 [Source:MGI SymbolAcc:MGI:3642896]		3	83125276	83129246	-1	lincRNA
50	217	0.0841760248152055	ENSMUSG000000085177	Gm11209	predicted gene 11209 [Source:MGI SymbolAcc:MGI:3650632]		4	62627677	62633712	-1	antisense
132	218	0.0844062583485042	ENSMUSG000000087674	4930447M23Rik	RIKEN cDNA 4930447M23 gene [Source:MGI SymbolAcc:MGI:1918902]		2	19344317	19351050	1	lincRNA
129	219	0.086802813507596	ENSMUSG000000087581	Gm11571	predicted gene 11571 [Source:MGI SymbolAcc:MGI:3650087]		11	100052286	100085983	1	antisense
117	220	0.0868197010439008	ENSMUSG000000087362	Gm13710	predicted gene 13710 [Source:MGI SymbolAcc:MGI:3650894]		2	84500760	84531322	-1	lincRNA
192	221	0.0868197010439008	ENSMUSG00000100502	Gm28286	predicted gene 28286 [Source:MGI SymbolAcc:MGI:5578992]		1	154027363	154034301	-1	lincRNA
226	222	0.0868197010439008	ENSMUSG00000106219	5830416I19Rik	RIKEN cDNA 5830416I19 gene [Source:MGI SymbolAcc:MGI:1922007]		5	64044978	64050228	1	lincRNA
186	223	0.08752782674833	ENSMUSG000000099470	Gm29340	predicted gene 29340 [Source:MGI SymbolAcc:MGI:5580046]		2	116972575	116976428	-1	lincRNA
35	224	0.0908724839904777	ENSMUSG000000078122	F630028O10Rik	RIKEN cDNA F630028O10 gene [Source:MGI SymbolAcc:MGI:3641813]	X		96239626	96243636	1	antisense
195	225	0.0908724839904777	ENSMUSG00000100811	Gm29083	predicted gene 29083 [Source:MGI SymbolAcc:MGI:5579789]		1	62714723	62718073	-1	antisense
232	226	0.0933473440880945	ENSMUSG00000107379	Gm43126	predicted gene 43126 [Source:MGI SymbolAcc:MGI:5663263]		6	127122966	127126155	1	antisense
99	227	0.0958014668694259	ENSMUSG000000086937	Gm15063	predicted gene 15063 [Source:MGI SymbolAcc:MGI:3705169]	X		75573452	75575268	1	antisense
178	228	0.0968601542587262	ENSMUSG000000087852	4933405D12Rik	RIKEN cDNA 4933405D12 gene [Source:MGI SymbolAcc:MGI:1921307]		3	122864737	122924116	-1	antisense
103	229	0.098537988284763	ENSMUSG000000087001	Gm15475	predicted gene 15475 [Source:MGI SymbolAcc:MGI:3705288]		6	84093772	84107007	-1	antisense
150	230	0.0986842320291354	ENSMUSG000000091393	5330438O3Rik	RIKEN cDNA 5330438O3 gene [Source:MGI SymbolAcc:MGI:2685831]		1	166306741	166309585	-1	antisense
29	231	0.0987362847720109	ENSMUSG000000074357	AA386476	expressed sequence AA386476 [Source:MGI SymbolAcc:MGI:3034595]		8	47675391	47685239	1	bidirectional_promoter_lincRNA
196	232	0.099632773079301	ENSMUSG00000100945	Gm29529	predicted gene 29529 [Source:MGI SymbolAcc:MGI:5580235]		1	153690391	153692656	-1	antisense