	A	B	C	D	E	F	G
1	**Supplementary Table S1**. Genetic mutations in human *NRF2*.						
2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
3	rs16865105	g.178136629A>C	-	5'flanking	-6770	C=0.1928/421	1000 Genomes
4	rs7557529	g.178135097C>T	-	5'flanking	-5238	C=0.718/252	PubMed
5	rs2886162	g.178133165A>G	-	5'flanking	-3306	T=0.324	PubMed
6	rs6750320	g.178131796C>T	c.-555-1937G>A	5'flanking	-1937	T=0.0302/66	1000 Genomes
7	rs181162518	g.178131774T>C	c.-555-1915A>G	5'flanking	-1915	C=0.0005/1	1000 Genomes
8	rs190044775	g.178131746C>T	c.-555-1887G>A	5'flanking	-1887	T=0.0005/1	1000 Genomes
9	rs185117338	g.178131704A>G	c.-555-1845T>C	5'flanking	-1845	G=0.0005/1	1000 Genomes
10	rs149947189	g.178131697C>T	c.-555-1838G>A	5'flanking	-1838	T=0.0009/2	1000 Genomes
11	rs139771244	g.178131625A>G	c.-555-1766T>C	5'flanking	-1766	G=0.0009/2	1000 Genomes
12	rs6747203	g.178131604C>G	c.-555-1745G>C	5'flanking	-1745	G=0.006/13	1000 Genomes
13	rs193101749	g.178131504T>C	c.-555-1645A>G	5'flanking	-1645	C=0.0046/10	1000 Genomes
14	rs190630762	g.178131495G>C	c.-555-1636C>G	5'flanking	-1636	C=0.0009/2	1000 Genomes
15	rs183764402	g.178131366C>A	c.-555-1507G>T	5'flanking	-1507	A=0.0005/1	1000 Genomes
16	rs191222964	g.178131211G>A	c.-555-1352C>T	5'flanking	-1352	A=0.0009/2	1000 Genomes
17	rs187137522	g.178131165T>G	c.-555-1306A>C	5'flanking	-1306	G=0.0009/2	1000 Genomes
18	rs182620359	g.178131158A>G	c.-555-1299T>C	5'flanking	-1299	G=0.0005/1	1000 Genomes
19	rs4893819 (rs61433302)	g.178131134C>T	c.-555-1275G>A	5'flanking	-1275	C=0.4263/931	1000 Genomes
20	rs191547130	g.178131017C>T	c.-555-1158G>A	5'flanking	-1158	T=0.0005/1	1000 Genomes
21	rs188422217	g.178131003A>G	c.-555-1144T>C	5'flanking	-1144	G=0.0014/3	1000 Genomes
22	rs143047764	g.178130865A>G	c.-555-1006T>C	5'flanking	-1006	G=0.0069/15	1000 Genomes
23	rs74432849	g.178130766C>A	c.-555-907G>T	5'flanking	-907	na	
24	rs11679252	g.178130691C>G	c.-555-832G>C	5'flanking	-832	na	
25	rs12993217	g.178130516A>G	c.-555-657T>C	5'flanking	-657	na	
26	rs115644826	g.178130442T>A	c.-555-583A>T	5'flanking	-583	A=0.0151/33	1000 Genomes
27	rs140803524	g.178130431G>A	c.-555-572C>T	5'flanking	-572	A=0.0046/10	1000 Genomes
28	rs77684420	g.178130427T>C	c.-555-568A>G	5'flanking	-568	C=0.0339/74	1000 Genomes PubMed
29	rs183651094	g.178130336A>T	c.-555-477T>A	5'flanking	-477	T=0.0018/4	1000 Genomes
30	rs356521248 (rs57695243)	g.178130073T>C	c.-555-214A>G	5'flanking	-214	C=0.3512/767 various	1000 Genomes PubMed
31	rs6706649§	g.178130071C>T	c.-555-212G>A	5'flanking	-212	T=0.078/170 various	1000 Genomes PubMed
32	rs150648896	g.178130047C>G	c.-555-188G>C	5'flanking	-188	G=0.0023/5	1000 Genomes PubMed
33	rs6721961§ (rs117801448)	g.178130037T>C, T>G	c.-555-178A>C, A>G	5'flanking	-178	T=0.150/328 various	1000 Genomes PubMed
34	rs201345604	g.178129924_178129925insG	c.-555-66_-555-65insC	5'flanking	-66_-65	G=0.0179/39	1000 Genomes
35	rs200432479	g.178129741_178129742delAA	c.-438_-437delTT	exon 1 (UTR-5')	mRNA 118_119	-=0.0037/8 -=0.53	1000 Genomes PubMed
36	rs75485459	g.178129608C>A	c.-304G>T	exon 1 (UTR-5')	mRNA 252	na	
37	rs192086766	g.178129466C>T	c.-162G>A	exon 1 (UTR-5')	mRNA 394	T=0.022/48 C=0.145/318	1000 Genomes PubMed
38	-	g.178129442G>A	c.-138C>T	exon 1 (UTR-5')	mRNA 418	A=0.012	PubMed
39	rs71668246	g.178129400delG	c.-96delC	exon 1 (UTR-5')	mRNA 460	na	
40	rs187291840	g.178129399C>T	c.-95G>A	exon 1 (UTR-5')	mRNA 461	T=0.0549/120	1000 Genomes
41	rs143406266	g.178129391_178129393delGGC	c.-89_-87delGCC	exon 1 (UTR-5')	mRNA 467_469	-=0.644/282 -=0.589	PubMed
42	rs112882959	g.178129147T>C	c.45+113A>G	intron 1		na	
43	rs4319966	g.178129002C>A	c.45+258G>T	intron 1		na	
44	rs112246802	g.178128828A>G	c.45+432T>C	intron 1		na	
45	rs17524059	g.178128693A>C	c.45+567T>G	intron 1		C=0.2079/454	1000 Genomes
46	rs111925788	g.178128676G>A	c.45+584C>T	intron 1		na	
47	rs112135794	g.178128624G>C	c.45+636C>G	intron 1		na	
48	rs113034282	g.178128540G>C	c.45+720C>G	intron 1		na	
49	rs17551500	g.178128448C>A	c.45+812G>T	intron 1		A=0.0114/25	1000 Genomes
50	rs17522805	g.178128362 C>G	c.45+898G>C	intron 1		na	
51	rs182395677	g.178128277G>T	c.45+983C>A	intron 1		T=0.0023/5	1000 Genomes
52	rs201289976	g.178128177T>C	c.45+1083A>G	intron 1		na	
53	rs189933272	g.178128120G>C	c.45+1140C>G	intron 1		C=0.0018/4	1000 Genomes
54	rs185170228	g.178128028G>A	c.45+1232C>T	intron 1		A=0.0014/3	1000 Genomes
55	rs181303187	g.178128004T>G	c.45+1256A>C	intron 1		G=0.0009/2	1000 Genomes
56	rs7564947 (rs58679638)	g.178128003T>C	c.45+1257A>G	intron 1		C=0.2312/505	1000 Genomes
57	rs2886161§	g.178127839T>C	c.45+1421A>G	intron 1		C=0.350/765 T=0.878/309	1000 Genomes PubMed
58	rs73979903	g.178127826C>T	c.45+1434G>A	intron 1		T=0.0256/56	1000 Genomes
59	rs141904435	g.178127777C>T	c.45+1483G>A	intron 1		T=0.0005/1	1000 Genomes
60	rs76611439	g.178127494G>A	c.45+1766C>T	intron 1		na	
61	rs201655804	g.178127472_178127473delAT	c.45+1787_45+1788delAT	intron 1		-=0.0293/64	1000 Genomes
62	rs72042416	g.178127468delA	c.45+1792delT	intron 1		na	
63	rs138113967	g.178127468-178127470delAAT	c.45+1790_45+1792delATT	intron 1		na	
64	rs189669687	g.178127289A>C	c.45+1971T>G	intron 1		C=0.0005/1	1000 Genomes
65	rs186972464	g.178127263T>C	c.45+1997A>G	intron 1		C=0.0009/2	1000 Genomes
66	rs116657784	g.178127172A>G	c.45+2088T>C	intron 1		G=0.0023/5	1000 Genomes
67	rs34009885	g.178127089A>G	c.45+2171T>C	intron 1		G=0.3516/768	1000 Genomes

	A	B	C	D	E	F	G
2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
68	rs148128831	g.178127066G>C	c.45+2194C>G	intron 1		C=0.0005/1	1000 Genomes
69	rs34551701 (rs58170107)	g.178127040A>C	c.45+2220T>G	intron 1		C=0.2047/447	1000 Genomes
70	rs143764709	g.178127034T>A	c.45+2226A>T	intron 1		A=0.0014/3	1000 Genomes
71	rs6709422	g.178126817T>A	c.45+2443A>T	intron 1		na	
72	rs181805076	g.178126687T>C	c.45+2573A>G	intron 1		C=0.0005/1	1000 Genomes
73	rs80141132	g.178126676A>G	c.45+2584T>C	intron 1		G=0/0	1000 Genomes
74	rs199784732	g.178126608_178126609insA	c.45+2651_45+2652insT	intron 1		A=0.0092/20	1000 Genomes
75	rs2364723§ (rs56505635,rs5808331)	g.178126546G>C	c.45+2714C>G	intron 1		C=0.352/768 C=0.525	1000 Genomes PubMed
76	rs80018561	g.178126316C>A	c.45+2944G>T	intron 1		A=0.0192/42	1000 Genomes
77	rs142240496	g.178126277T>C	c.45+2983A>G	intron 1		C=0.0005/1	1000 Genomes
78	rs190525518	g.178126248C>A	c.45+3012G>T	intron 1		A=0.0018/4	1000 Genomes
79	rs56718550	g.178126127C>T	c.45+3133G>A	intron 1		T=0.1548/336	1000 Genomes
80	rs145225605	g.178126116G>A	c.45+3144C>T	intron 1		A=0.0005/1	1000 Genomes
81	rs77992884	g.178125993G>A	c.45+3267C>T	intron 1		A=0.0252/55	1000 Genomes
82	rs140249633	g.178125952C>A	c.45+3308G>T	intron 1		A=0.0032/7	1000 Genomes
83	rs7596275	g.178125914C>A	c.45+3346G>T	intron 1		na	
84	rs59040355	g.178125913_178125914insAA, insAAA	c.45+3346_45+3347insTT, insTTT	intron 1		na	
85	rs71956253 (rs71992218,rs72324788,rs138134697)	g.178125899_178125900insAA, insAAA	45+3360_45+3361insTT, insTTT	intron 1		na	
86	rs71410739	g.178125898_178125899insAA	c.45+3361_45+3362insTT	intron 1		na	
87	rs58493972	g.178125722G>A	c.45+3538C>T	intron 1		A=0.1923/420	1000 Genomes
88	rs184632003	g.178125656T>G	c.45+3604A>C	intron 1		G=0.006/13	1000 Genomes
89	rs7593592	g.178125623G>A	c.45+3639C>T	intron 1		A=0.0169/37	1000 Genomes
90	rs67060362 (rs67060363)	g.178125538_178125539insAACA	c.45+3721_45+3722insTGTT	intron 1		na	
91	rs56339224 (rs58213900)	g.178125537_178125538unsAACA	c.45+3722_45+3723insTGTT	intron 1		na	
92	rs66614960 (rs66614961)	g.178125536_178125537insCAAA	c.45+3723_45+3724insTTTG	intron 1		na	
93	rs147426191	g.178125535_178125536insCAAA	c.45+3724_45+3725insTTTG	intron 1		na	
94	rs76201577	g.178125532_178125533insGGC	c.45+3727_45+3728insGCC	intron 1		na	
95	rs55940464 (suspected)	g.178125528A>G	c.45+3732T>C	intron 1		na	
96	rs192396116	g.178125302G>A	c.45+3958C>T	intron 1		A=0.0005/1 A=0.452/988	1000 Genomes PubMed
97	rs188222526	g.178125281T>C	c.45+3979A>G	intron 1		C=0.0009/2	1000 Genomes
98	rs116709891	g.178125225T>C	c.45+4035A>G	intron 1		C=0.0018/4	1000 Genomes
99	rs34468415	g.178125142A>G	c.45+4118T>C	intron 1		G=0.2166/473	1000 Genomes
100	rs140782632	g.178125103A>G	c.45+4157T>C	intron 1		G=0.0073/16	1000 Genomes
101	rs183492729	g.178124868T>C	c.45+4392A>G	intron 1		C=0.0037/8	1000 Genomes
102	rs192793174	g.178124819C>T	c.45+4441G>A	intron 1		T=0.0005/1	1000 Genomes
103	rs2364722 (rs59229886)	g.178124787 A>G	c.45+4473T>C	intron 1		G=0.3516/768	1000 Genomes PubMed
104	rs79632183	g.178124660A>C	c.46+4600T>G	intron 1		na	
105	rs78764917	g.178124659C>A	c.45+4601G>T	intron 1		na	
106	rs188213163	g.178124639G>A	c.45+4621C>T	intron 1		A=0.0069/15	1000 Genomes
107	rs150874658	g.178124638C>T	c.45+4622G>A	intron 1		T=0.0078/17	1000 Genomes
108	rs183571722	g.178124515C>A	c.45+4745G>T	intron 1		A=0.0009/2	1000 Genomes
109	rs112899296	g.178124508A>G	c.45+4752T>C	intron 1		G=0.0073/16	1000 Genomes
110	rs12185576	g.178124386C>T	c.45+4874G>A	intron 1		T=0.3526/770	1000 Genomes
111	sr200287267	g.178124075delG	c.45+5185delC	intron 1		-=0.0069/15	1000 Genomes
112	rs200672646	g.17812403delA	c.45+5226delT	intron 1		na	
113	rs112167582	g.178124029C>A	c.45+5237G>T	intron 1		A=0.0275/60	1000 Genomes
114	rs57136150	g.178123987A>G	c.45+5273T>C	intron 1		na	
115	rs193061352	g.178123955G>A	c.45+5305C>T	intron 1		A=0.0005/1 T=0.077/168	1000 Genomes PubMed
116	rs141429955	g.178123896G>A	c.45+5364C>T	intron 1		A=0.0082/18	1000 Genomes
117	rs147860035	g.178123867T>C	c.45+5393A>G	intron 1		C=0.0087/19	1000 Genomes
118	rs111507120	g.178123805A>C	c.45+5455T>G	intron 1		na	
119	rs2364721	g.178123692T>C	c.45+5568A>G	intron 1		C=0.0252/55	1000 Genomes
120	rs112641523	g.178123579C>T	c.45+5681G>A	intron 1		na	
121	rs144599315	g.178123454T>A	c.45+5806A>T	intron 1		A=0.0018/4	1000 Genomes
122	rs115730108	g.178123384T>C	c.45+5876A>G	intron 1		C=0.0069/15	1000 Genomes
123	rs115138774	g.178123361A>G	c.45+5899T>C	intron 1		G=0.0009/2	1000 Genomes
124	rs187416832	g.178123177G>A	c.45+6083C>T	intron 1		A=0.0014/3	1000 Genomes
125	rs72946143	g.178123129T>C	c.45+6131A>G	intron 1		C=0.027/59	1000 Genomes
126	rs183440350	g.178123090T>G	c.45+6170A>C	intron 1		G=0.0069/15	1000 Genomes
127	rs190871210	g.178123071T>A	c.45+6189A>T	intron 1		A=0.0005/1	1000 Genomes
128	rs140687001	g.178123011T>C	c.45+6249A>G	intron 1		C=0.0005/1	1000 Genomes
129	rs144243231	g.178123010A>G	c.45+6250T>C	intron 1		G=0.0005/1	1000 Genomes
130	rs112008835	g.178123002G>A	c.45+6258C>T	intron 1		A=0.0023/5	1000 Genomes
131	rs139330296	g.178122955A>G	c.45+6305T>C	intron 1		G=0.0009/2	1000 Genomes
132	rs35959128	g.178122742G>T	c.45+6518C>A	intron 1		na	
133	rs62173695	g.178122727G>A	c.45+6533C>T	intron 1		A=0.217/474	1000 Genomes
134	rs142177417	g.178122717C>A	c.45+6543G>T	intron 1		A=0.0014/3	1000 Genomes

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2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
135	rs116498373	g.178122716C>T	c.45+6544G>A	intron 1		T=0.0009/2	1000 Genomes
136	rs59896080	g.178122667T>C	c.45+6593A>G	intron 1		C=0.0266/58	1000 Genomes
137	rs116388253	g.178122635A>G	c.45+6625T>C	intron 1		G=0.0009/2	1000 Genomes
138	rs185321657	g.178122515G>A	c.45+6745C>T	intron 1		A=0.0009/2	1000 Genomes
139	rs182287178	g.178122467C>A	c.45+6793G>T	intron 1		A=0.0009/2	1000 Genomes
140	rs139003635	g.178122449C>T	c.45+6811G>A	intron 1		T=0.0009/2	1000 Genomes
141	rs191346179	g.178122404T>C	c.45+6856A>G	intron 1		C=0.0005/ T=0.257/562	1000 Genomes PubMed
142	rs12471433	g.178122365A>C	c.45+6895T>G	intron 1		C=0.348/760	1000 Genomes
143	rs116627712	g.178122330C>T	c.45+6930G>A	intron 1		T=0.0023/5	1000 Genomes
144	rs146144436	g.178122328T>C	c.45+6932A>G	intron 1		C=0.0018/4	1000 Genomes
145	rs12463389	g.178122301C>G	c.45+6965G>C	intron 1		G=0.0124/27	1000 Genomes
146	rs186455300	g.178122237G>C	c.45+7023C>G	intron 1		C=0.0005/1	1000 Genomes
147	rs148182648	g.178122204T>G	c.45+7056A>C	intron 1		G=0.0005/1	1000 Genomes
148	rs181844919	g.178122193C>T	c.45+7067G>A	intron 1		T=0.0009/2	1000 Genomes
149	rs143029845	g.178122141T>C	c.45+7119A>G	intron 1		C=0.0023/5	1000 Genomes
150	rs190332705	g.178122082A>T	c.45+7178T>A	intron 1		T=0.0005/1	1000 Genomes
151	rs75725292	g.178121960C>G	c.45+7300G>C	intron 1		G=0.0005/1	1000 Genomes
152	rs185736510	g.178121903G>A	c.45+7357>T	intron 1		A=0.0009/2	1000 Genomes
153	rs149058464	g.178121881T>G	c.45+7379A>C	intron 1		G=0.0023/5	1000 Genomes
154	rs146980194	g.178121707G>A	c.45+7553C>T	intron 1		A=0.0082/18	1000 Genomes
155	rs73976300	g.178121653C>T	c.45+7607G>A	intron 1		T=0.2015/440	1000 Genomes
156	rs35284526 (rs62173694)	g.178121524C>A	c.45+7736G>T	intron 1		A=0.228/498	1000 Genomes
157	rs181909458	g.178121493C>T	c.45+7767G>A	intron 1		T=0.0009/2	1000 Genomes
158	rs202099449	g.178121470-17812147insC	c.-45+7789_45+7790insG	intron 1		C=0.0069/15	1000 Genomes
159	rs189154074	g.178121430A>C	c.45+7830T>G	intron 1		C=0.0009/2	1000 Genomes
160	rs141366133	g.178121377A>T	c.45+7883T>A	intron 1		T=0.0023/5	1000 Genomes
161	rs201153247	g.178121249G>A	c.45+8017C>T	intron 1		na	
162	rs60758950	g.178121228delA	c.45+8018delT	intron 1		na	
163	rs35073132 (rs71007983,rs150436082)	g.178121228_178121229insA, insAA	c.45+8031_45+8032insT, insTT	intron 1		na	
164	rs13005431§ (rs17647486,rs59481023)	g.178121112T>C	c.45+8148A>G	intron 1		C=0.2679/585	1000 Genomes
165	rs77123162	g.178121031A>G	c45+8229T>C	intron 1		na	
166	rs13028464 (rs59757069)	g.178121005C>T	c.45+8255G>A	intron 1		T=0.2344/512	1000 Genomes
167	rs183754294	g.178120975A>G	c.45+8285T>C	intron 1		G=0.0005/1	1000 Genomes
168	rs77164235	g.178120972A>G	c.45+8288T>C	intron 1		G=0.0018/4	1000 Genomes
169	rs61130794	g.178120681G>T	c.45+8579C>A	intron 1		T=0.0073/16	1000 Genomes
170	rs79705589	g.178120666G>T	c.45+8594C>A	intron 1		T=0.0147/32	1000 Genomes
171	rs75868895	g.178120587C>T	c.45+8673G>A	intron 1		T=0.0082/18	1000 Genomes
172	rs147830306	g.178120425T>C	c.45+8835A>G	intron 1		C=0.0069/15	1000 Genomes
173	rs10188193 (rs58739067)	g.178120391T>C	c.45+8869A>G	intron 1		T=0.1474/322	1000 Genomes
174	rs10188107 (rs56820148)	g.178120312T>G	c.45+8948A>C	intron 1		T=0.1474/322	1000 Genomes
175	rs180825596	g.178120188T>C	c.45+9072A>G	intron 1		C=0.0005/1	1000 Genomes
176	rs1444483619	g.178120104T>C	c.45+9156A>G	intron 1		C=0.0005/1	1000 Genomes
177	rs73031369	g.178120037C>A	c.45+9223G>T	intron 1		A=0.0073/16	1000 Genomes
178	rs15035228	g.178119953G>A	c.45+9307C>T	intron 1		A=0.0023/5	1000 Genomes
179	rs142832274	g.178119904G>C	c.45+9356C>G	intron 1		C=0.0005/1	1000 Genomes
180	rs79225171	g.178119883T>C	c.45+9377A>G	intron 1		C=0.0073/16	1000 Genomes
181	rs80240774	g.178119836G>A	c.45+9424C>T	intron 1		A=0.0005/1	1000 Genomes
182	rs148529343	g.178119818C>T	c.45+9442G>A	intron 1		T=0.0069/15	1000 Genomes
183	rs58549185	g.178119733A>G	c.45+9527T>C	intron 1		G=0.0073/16	1000 Genomes
184	rs144747513	g.178119713T>C	c.45+9547A>G	intron 1		C=0.0023/5	1000 Genomes
185	rs189688195	g.178119676T>C	c.45+9584A>G	intron 1		C=0.0014/3	1000 Genomes
186	rs143718832	g.178119567T>C	c.45+9693A>G	intron 1		C=0.0009/2	1000 Genomes
187	rs11892777 (rs61284966)	g.178119515T>C	c.45+9753A>G	intron 1		C=0.0183/40	1000 Genomes
188	rs140110914	g.178119366C>T	c.45+9894G>A	intron 1		T=0.0069/15	1000 Genomes
189	rs111914065	g.178119340C>T	c.45+9920G>A	intron 1		T=0.0078/17	1000 Genomes
190	rs146125836	g.178119332T>A	c.45+9928A>T	intron 1		A=0.0037/8	1000 Genomes
191	rs115740359	g.178119313A>T	c.45+9947T>A	intron 1		T=0.0005/1	1000 Genomes
192	rs10497511 (rs59034007)	g.178119296G>A	c.45+9964C>T	intron 1		G=0.1479/323	1000 Genomes
193	rs36030784 (rs62173693)	g.178119204A>C	c.45+10056T>G	intron 1		C=0.2285/499	1000 Genomes
194	rs184967958	g.178119169G>C	c.45+10091C>G	intron 1		C=0.0005/1	1000 Genomes
195	rs74762867	g.178119125A>C	c.45+10135T>G	intron 1		na	
196	rs11886935	g.178119040G>C	c.45+10228C>G	intron 1		A=0.0014/3	1000 Genomes
197	rs143013625	g.178119021T>G	c.45+10239A>C	intron 1		G=0.0055/12	1000 Genomes
198	rs130016948	g.178118990A>G	c.45+10270T>C	intron 1		G=0.271/591 G=0.401/1578	1000 Genomes PubMed
199	rs192577308	g.178118878G>A	c.45+10382C>T	intron 1		A=0.0014/3 T=0.2569/562	1000 Genomes PubMed
200	rs187543639	g.178118702G>A	c.45+10558C>T	intron 1		A=0.0027/6	1000 Genomes
201	rs2001297	g.178118550C>A	c.45+10710G>T	intron 1		C=0.1937/423	1000 Genomes
202	rs6708603	g.178118544A>T	c.45+10716T>A	intron 1		na	

	A	B	C	D	E	F	G
2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
203	rs34278329	g.178118438_178118439insT	c.45+10821_45+10822insA	intron 1		na	
204	rs116539895	g.178118399A>G	c.45+10861T>C	intron 1		G=0.0197/43	1000 Genomes
205	rs34820876§	g.178118341A>G	c.45+10919T>C	intron 1		G=0.011/25	1000 Genomes
206	rs73031364	g.178118298C>A	c.45+10962G>T	intron 1		A=0.0078/17	1000 Genomes
207	rs150507179	g.178118287C>T	c.45+10973G>A	intron 1		T=0.0005/1	1000 Genomes
208	rs9282797	g.178118218C>T	c.45+11050G>A	intron 1		na	
209	rs1806649§ (rs58745895)	g.178118152C>T	c.45+11108G>A	intron 1		T=0.139/303 various	1000 Genomes PubMed
210	rs141266257	g.178118128_178118129insCTTTA	c.45+11131_45+11132insTAAAG	intron 1		CTTTA=0.0073/16	1000 Genomes
211	rs36031254	g.178118020_178118021insC	c.45+11239_45+11240insG	intron 1		na	
212	rs9282798	g.178118005A>G	c.45+11255T>C	intron 1		G=0.006/13	1000 Genomes
213	rs116768505	g.178117926C>A	c.45+11334G>T	intron 1		A=0.0005/1	1000 Genomes
214	rs148002504	g.178117902A>T	c.45+11358T>A	intron 1		T=0.0027/6	1000 Genomes
215	rs4243387§ (rs60038464)	g.178117765C>T	c.45+11495G>A	intron 1		C=0.272/594 T=0.091/425	1000 Genomes PubMed
216	rs146950673	g.178117727T>C	c.45+11533A>G	intron 1		C=0.0005/1	1000 Genomes
217	rs142761256	g.178117669T>G	c.45+11591A>C	intron 1		G=0.0037/8	1000 Genomes
218	rs113166073	g.178117645G>A	c.45+11615C>T	intron 1		A=0.0147/32	1000 Genomes
219	rs184355665	g.178117519C>T	c.45+11741G>A	intron 1		T=0.0005/1	1000 Genomes
220	rs192689231	g.178117410G>A	c.45+11850C>T	intron 1		A=0.0009/2 C=0.194/424	1000 Genomes PubMed
221	rs117045674	g.178117408C>T	c.45+11852G>A	intron 1		T=0.006/13	1000 Genomes
222	rs200763783	g.178117391T>G	c.45+11869A>C	intron 1		na	
223	rs35252336	g.178117391_178117392insG	c.45+11868_45+11869insC	intron 1		na	
224	rs2886160 (rs60051182,rs67592643,rs79053437)	g.178117390T>G, delT	c.45+11870A>C, delA	intron 1		na	
225	rs201359924	g.178117390_178117391insG	c.45+11869_45+11870insC	intron 1		na	
226	rs61040831	g.178117389T>C	c.45+11871A>G	intron 1		na	
227	rs66526442	g.178117389_178117390insC	c.45+11870_45+11871insG	intron 1		na	
228	rs56307341 (rs58616691,rs147659763,rs147723007)	g.178117388_178117389insC	c.45+11871_45+11872insG	intron 1		na	
229	rs187858565	g.178117355C>T	c.45+11905G>A	intron 1		T=0.0005/1	1000 Genomes
230	rs138787742	g.178117314T>C	c.45+11946A>G	intron 1		C=0.0009/2	1000 Genomes
231	rs182714514	g.178117139T>C	c.45+12121A>G	intron 1		C=0.0009/2	1000 Genomes
232	rs146047420	g.178117117T>C	c.45+12143A>G	intron 1		C=0.0014/3	1000 Genomes
233	rs190952229	g.178117075G>A	c.45+12185C>T	intron 1		A=0.0009/2	1000 Genomes
234	rs149108953	g.178116992G>A	c.45+12268C>T	intron 1		A=0.0014/3	1000 Genomes
235	rs145124788	g.178116977C>T	c.45+12283G>A	intron 1		T=0.0005/1	1000 Genomes
236	rs115767871	g.178116972T>C	c.45+12288A>G	intron 1		C=0.0005/1	1000 Genomes
237	rs72361960	g.178116750_178116751insT	c.45+12509_45+12510insA	intron 1		na	
238	rs33982505	g.178116746_178116747insA, insAA	c.45+12513_45+12514insT, insTT	intron 1		na	
239	rs3082509 (rs60006121)	g.178116744_178116745insA, insAA	c.45+12514_45+12515insT, insTT	intron 1		na	
240	rs200171393	g.178116736_178116737insCAC	c.45+12523_45_12524insGTG	intron 1		na	
241	rs72157284 (rs72204928,rs140495787,rs150994047)	g.178116729_178116730insAA	c.45+12530_45+12531insTT	intron 1		na	
242	rs150396319	g.178116628G>A	c.45+12632C>T	intron 1		A=0.0284/62	1000 Genomes
243	rs140431489	g.178116591A>G	c.45+12669T>C	intron 1		G=0,011/24	1000 Genomes
244	rs187515930	g.178116531A>C	c.45+12729T>G	intron 1		C=0.0027/6	1000 Genomes
245	rs183339181	g.178116529C>T	c.45+12731G>A	intron 1		T=0.0005/1	1000 Genomes
246	rs117263449	g.178116459C>T	c.45+12801G>A	intron 1		T=0.0215/47	1000 Genomes
247	rs189958480	g.178116328G>A	c.45+12932C>T	intron 1		A=0.0005/1	1000 Genomes
248	rs185889362	g.178116284T>C	c.45+12976A>G	intron 1		C=0.0064/14	1000 Genomes
249	rs72944931	g.178116262A>G	c.45+12998T>C	intron 1		G=0.0114/25	1000 Genomes
250	rs113118970	g.178116158A>G	c.45+13102T>C	intron 1		G=0.0105/23	1000 Genomes
251	rs35673620	g.178115961_178115962insA	c.45+13298_45+13299insT	intron 1		na	
252	rs181502240	g.178115801T>C	c.45+13459A>G	intron 1		C=0.0005/1	1000 Genomes
253	rs143650089	g.178115769A>G	c.45+13491T>C	intron 1		G=0.0037/8	1000 Genomes
254	rs191012195	g.178115764C>G	c.45+13496G>C	intron 1		G=0.014/3	1000 Genomes
255	rs34658646	g.178115618_178115619insG	c.45+13651_45+13652insC	intron 1		na	
256	rs186163066	g.178115610G>A	c.45+13650C>T	intron 1		A=0.0005/1	1000 Genomes
257	rs116239726	g.178115553G>T	c.45+13707C>A	intron 1		T=0.0133/29	1000 Genomes
258	rs181980037	g.178115440A>G	c.45+13820T>C	intron 1		G=0.0009/2	1000 Genomes
259	rs189513762	g.178115356G>A	c.45+13904C>T	intron 1		A=0.0005/1	1000 Genomes
260	rs79766920	g.178115351G>A	c.45+13909C>T	intron 1		A=0.0201/44	1000 Genomes
261	rs140078582	g.178115016A>C	c.45+14244T>G	intron 1		C=0.0027/6	1000 Genomes
262	rs146606218	g.178114972G>A	c.45+14288C>T	intron 1		A=0.0027/6	1000 Genomes
263	rs184136380	g.178114810T>C	c.45+14450A>G	intron 1		C=0.0005/1	1000 Genomes
264	rs142852961	g.178114784_178114785insT	c.45+14475_45+14476insA	intron 1		na	
265	rs181379009	g.178114761A>T	c.45+14499T>A	intron 1		T=0.0009/2	1000 Genomes
266	rs188661334	g.178114750T>G	c.45+14510A>C	intron 1		G=0.0005/1	1000 Genomes
267	rs78372947	g.178114740C>G	c.45+14520G>C	intron 1		G=0.0183/40	1000 Genomes

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2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
268	rs111421909	g.178114726C>T	c.45+14534G>A	intron 1		na	
269	rs184693304	g.178114711G>A	c.45+14549C>T	intron 1		A=0.0005/1	1000 Genomes
270	rs10930781 (rs58817956,rs59650324)	g.178114632A>G	c.45+14628T>C	intron 1		A=0.1456/318	1000 Genomes
271	rs142945272	g.178114528A>G	c.45+14732T>C	intron 1		G=0.0096/21	1000 Genomes
272	rs201025738	g.178114350delT	c.45+14910delA	intron 1		-=0.0032/7	1000 Genomes
273	rs192095254	g.178114281T>C	c.45+14979A>G	intron 1		C=0.0005/1	1000 Genomes
274	rs139805097	g.178114165T>A	c.45+15095A>T	intron 1		na	
275	rs75255145	g.178113977delA,delAinsATAAATAAATAA	c.46-14978delT, delTinsTTATTTATTTAT	intron 1		na	
276	rs71007982	g.178113977_178113978insATAA	c.46-14979_46-14978insTTAT	intron 1		na	
277	rs140315872	g.178113949_178113950insAATA	c.46-14951_46-14950insTATT	intron 1		na	
278	rs143555304	g.178113947_178113948insTAAA	c.46-14949_46-14948insTTTA	intron 1		na	
279	rs143999145	g.178113946_178113957delATAAATAAATAA	c.46-14920_46-14905delTTATTTATTTAT	intron 1		na	
280	rs66799448 (rs66799449,rs72271571)	g.178113946_178113947insATAA	c.46-14948_46-14947insTTAT	intron 1		na	
281	rs76027118	g.178113945delC, delCinsCATAAATAAATAA	c.46-14946delG, delGinsTTATTTATTTATG	intron 1		na	
282	rs145023006	g.178113945_178113946insATAA	c.46-14947_46-14946insTTAT	intron 1		na	
283	rs188009045	g.178113894C>T	c.46-14895G>A	intron 1		T=0.0005/1	1000 Genomes
284	rs185778554	g.178113823C>T	c.46-14824G>A	intron 1		T=0.0018/4	1000 Genomes
285	rs13422804	g.178113818C>T	c.46-14777G>A	intron 1		T=0.0041/9	1000 Genomes
286	rs78907891	g.178113798A>T	c.46-14757T>A	intron 1		na	
287	rs73031362	g.178113650C>T	c.46-14609G>A	intron 1		T=0.0082/18	1000 Genomes
288	rs111914348	g.178113625C>A	c.46-14584G>T	intron 1		na	
289	rs149437504	g.178113544A>G	c.46-14545T>C	intron 1		G=0.0078/17	1000 Genomes
290	rs1962142§ (rs58448508)	g.178113484A>G	c.46-14485T>C	intron 1		A=0.127/278 A=0.082	1000 Genomes PubMed
291	rs11690278	g.178113415G>A	c.46-14374C>T	intron 1		A=0.0169/37	1000 Genomes
292	rs187910577	g.178113379C>T	c.46-14380G>A	intron 1		T=0.0023/5	1000 Genomes
293	rs6732277	g.178113284T>C	c.46-14243A>G	intron 1		C=0.0357/78	1000 Genomes
294	rs147355361	g.178113247C>G	c.46-14248G>C	intron 1		G=0.0032/7	1000 Genomes
295	rs182370982	g.178113204C>G	c.46-14205G>C	intron 1		G=0.0027/6	1000 Genomes
296	rs112353264	g.178113199G>A	c.46-14158C>T	intron 1		A=0.005/11	1000 Genomes
297	rs190302019	g.178113048A>G	c.46-14049T>C	intron 1		G=0.0023/5	1000 Genomes
298	rs186938958	g.178113043C>G	c.46-14044G>C	intron 1		G=0.0005/1	1000 Genomes
299	rs138763384	g.178113018T>C	c.46-14019A>G	intron 1		C=0.0005/1	1000 Genomes
300	rs182971839	g.178112950C>T	c.46-13951G>A	intron 1		T=0.0009/2	1000 Genomes
301	rs190576796	g.178112937G>A	c.46-13938C>T	intron 1		A=0.0014/3	1000 Genomes
302	Rs186597219	g.178112841C>G	c.-3-13842G>C	intron 1		G=0.0005/1	1000 Genomes
303	rs75202993	g.178112725G>A	c.46-13684C>T	intron 1		A=0.0169/37	1000 Genomes
304	rs114146136	g.178112722A>G	c.46-13681T>C	intron 1		G=0.0133/29	1000 Genomes
305	rs2272529	g.178112710G>A	c.46-13711C>T	intron 1		A=0.0105/23	1000 Genomes
306	rs115116838	g.178112611C>T	c.46-13612G>A	intron 1		T=0.0133/29	1000 Genomes
307	rs111510170	g.178112592C>T	c.46-13593G>A	intron 1		na	
308	rs77635085	g.178112455A>G	c.46-13456T>C	intron 1		G=0.0156/34	1000 Genomes
309	rs113754574	g.178112431G>A	c.46-13432C>T	intron 1		na	
310	rs57701650	g.178112413_178112414insA	c.46-13415_46-13414insT	intron 1		na	
311	rs182424203	g.178112395A>G	c.46-13396T>C	intron 1		G=0.0032/7	1000 Genomes
312	rs79008407	g.178112370A>C	c.46-13371T>G	intron 1		na	
313	rs112007423	g.178112361T>C	c.46-13362A>G	intron 1		C=0.0073/16	1000 Genomes
314	rs191798810	g.178112344G>A	c.46-13345C>T	intron 1		A=0.0027/16 G=0.352/771	1000 Genomes PubMed
315	rs111436754	g.178112304G>A	c.46-13305C>T	intron 1		A=0.0183/40	1000 Genomes
316	rs10195986	g.178112271C>T	c.46-13272G>A	intron 1		na	
317	rs186271356	g.178112242A>T	c.46-13243T>A	intron 1		T=0.0005/1	1000 Genomes
318	rs143584629	g.178112237A>C	c.46-13238T>G	intron 1		C=0.0005/1	1000 Genomes
319	rs180826227	g.178112169C>T	c.46-13170G>A	intron 1		T=0.005/11	1000 Genomes
320	rs112025320	g.178112111C>T	c.46-13112G>A	intron 1		T=0.0087/19	1000 Genomes
321	rs117830843	g.178112093A>G	c.46-13094T>C	intron 1		G=0.0018/4	1000 Genomes
322	rs188812542	g.178111750A>T	c.46-12751T>A	intron 1		T=0.0005/1	1000 Genomes
323	rs185623828	g.178111698C>A	c.46-12699G>T	intron 1		A=0/0	1000 Genomes
324	rs72355286	g.178111503delT, delTinsTTTTTT	c.46-12504delA, delAinsAAAAAA	intron 1		na	
325	rs56311819 (rs57305123,rs146762456)	g.178111503_178111504insT	c.46-12505_46-12504insA	intron 1		na	
326	rs76882261	g.178111336delC, delCinsCT	c.46-12337delG, delGinsAG	intron 1		na	
327	rs11686945 (suspected)	g.178111336C>T	c.46-12337G>A	intron 1		na	
328	rs181165445	g.178111250A>G	c.46-12251T>C	intron 1		G=0.0005/1	1000 Genomes
329	rs189142028	g.178111214T>C	c.46-12215A>G	intron 1		C=0.0005/1	1000 Genomes
330	rs115141505	g.178111212C>A	c.46-12213G>T	intron 1		A=0.0133/29	1000 Genomes
331	rs148905429	g.178111131A>G	c.46-12132T>C	intron 1		G=0.0018/4	1000 Genomes
332	rs185016960	g.178111020G>A	c.46-12021C>T	intron 1		A=0.0009/2	1000 Genomes
333	rs115761043	g.178110967A>T	c.46-11968T>A	intron 1		T=0.0169/37	1000 Genomes
334	rs6708442	g.178110902G>A	c.46-11903C>T	intron 1		A=0.0018/4	1000 Genomes

	A	B	C	D	E	F	G
2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
335	rs145026902	g.178110882C>A	c.46-11883G>T	intron 1		A=0.0005/1	1000 Genomes
336	rs14293347	g.178110789A>T	c.46-11790T>A	intron 1		T=0.0014/3	1000 Genomes
337	rs111748124	g.178110781T>A	c.46-11782A>T	intron 1		na	
338	rs146588063	g.178110773C>G	c.46-11774G>C	intron 1		G=0.0014/3	1000 Genomes
339	rs150030372	g.178110675G>C	c.46-11676C>G	intron 1		C=0.0014/3	1000 Genomes
340	rs139344881	g.178110664G>A	c.46-11665C>T	intron 1		A=0.0005/1	1000 Genomes
341	rs193259326	g.178110651T>G	c.46-11652A>C	intron 1		G=0.0018/4 T=0.1495/327	1000 Genomes PubMed
342	rs151304786	g.178110643T>G	c.46-11644A>C	intron 1		G=0.0014/3	1000 Genomes
343	rs190382043	g.178110527G>A	c.46-11528C>T	intron 1		A=0.0009/2	1000 Genomes
344	rs75707887	g.178110355T>G	c.46-11356A>C	intron 1		na	
345	rs80349357	g.178110344T>C	c.46-11345A>G	intron 1		na	
346	rs76185529	g.178110343C>T	c.46-11344G>A	intron 1		na	
347	rs112067562	g.178110342_178110343insT	c.46-11344_46-11343insA	intron 1		na	
348	rs117962208	g.178110283G>T	c.46-11284C>A	intron 1		T=0.0133/29	1000 Genomes
349	rs14026669	g.178110124C>T	c.46-11125G>A	intron 1		T=0.0032/7	1000 Genomes
350	rs184607299	g.178110003C>T	c.46-11004G>A	intron 1		T=0.0005/1	1000 Genomes
351	rs13402068 (rs58997687)	g.178109961A>G	c.46-10962T>C	intron 1		G=0.0421/92	1000 Genomes
352	rs147349290	g.178109836G>C	c.46-10837C>G	intron 1		C=0.0101/22	1000 Genomes
353	rs56326022 (rs60030129,rs72065105,rs13980925)	g.178109731delA	c.46-10732delT	intron 1		na	
354	rs191181286	g.178109601G>A	c.46-10602C>T	intron 1		A=0.0009/2	1000 Genomes
355	rs142715562	g.178109509C>T	c.46-10510G>A	intron 1		T=0.022/48	1000 Genomes
356	rs116769762	g.178109434A>C	c.46-10435T>G	intron 1		C=0.0082/18	1000 Genomes
357	rs140376711	g.178109418G>A	c.46-10419C>T	intron 1		A=0.0005/1	1000 Genomes
358	rs186556119	g.178109372C>T	c.46-10373G>A	intron 1		T=0.0018/4	1000 Genomes
359	rs147158417	g.178109353C>T	c.46-10354G>A	intron 1		T=0.0014/3	1000 Genomes
360	rs149487711	g.178109095C>T	c.46-10096G>A	intron 1		T=0.0105/23	1000 Genomes
361	rs200836049	g.178109031A>C	c.46-10032T>G	intron 1		na	
362	rs77969647	g.178109024C>A	c.46-10025G>T	intron 1		na	
363	rs182574883	g.178108987G>A	c.46-9988C>T	intron 1		A=0.0027/6	1000 Genomes
364	rs76718685	g.178108879A>T	c.46-9880T>A	intron 1		na	
365	rs75671898	g.178108841A>T	c.46-9842T>A	intron 1		na	
366	rs191513071	g.178108766C>T	c.46-9767G>A	intron 1		T=0.0032/7 A=0.452/988	1000 Genomes PubMed
367	rs188666710	g.178108748G>T	c.46-9749C>A	intron 1		T=0.0005/1	1000 Genomes
368	rs183421956	g.178108646G>A	c.46-9647C>T	intron 1		A=0.0009/2	1000 Genomes
369	rs114513152	g.178108565A>G	c.46-9566T>C	intron 1		G=0.0064/14	1000 Genomes
370	rs77941510	g.178108552C>T	c.46-9553G>A	intron 1		T=0.0316/69	1000 Genomes
371	rs138012339	g.178108493A>C	c.46-9494T>G	intron 1		C=0.0105/23	1000 Genomes
372	rs35069293	g.178108371_178108372insC	c.46-9373_46-9372insG	intron 1		na	
373	rs200105240	g.178108260_178108261insT	c.46-9262_46-9261insA	intron 1		na	
374	rs192468336	g.178108202G>A	c.46-9203C>T	intron 1		A=0.0009/2 C=0.1453/318	1000 Genomes PubMed
375	rs116275305	g.178108149C>T	c.46-9150G>A	intron 1		T=0.0009/2	1000 Genomes
376	rs150772414	g.178108061T>A	c.46-9062A>T	intron 1		A=0.0073/16	1000 Genomes
377	rs141344720	g.178107955C>T	c.46-8956G>A	intron 1		T=0.0014/3	1000 Genomes
378	rs138781057	g.178107942T>G	c.46-8943A>C	intron 1		G=0.0082/18	1000 Genomes
379	rs181023734	g.178107878T>C	c.46-8879A>G	intron 1		na	
380	rs144971306	g.178107794C>T	c.46-8795G>A	intron 1		T=0.0005/1	1000 Genomes
381	rs141247651	g.178107718G>A	c.46-8719C>T	intron 1		A=0.0032/7	1000 Genomes
382	rs200970759	g.178107648_178107649insT	c.46-8650_46-8649insA	intron 1		na	
383	rs187134041	g.178107553C>T	c.46-8554G>A	intron 1		T=0.0005/1	1000 Genomes
384	rs138239588	g.178107503C>T	c.46-8504G>A	intron 1		T=0.0009/2	1000 Genomes
385	rs116817143	g.178107277A>G	c.46-8278T>C	intron 1		G=0.0009/2	1000 Genomes
386	rs182398641	g.178107256G>T	c.46-8257C>A	intron 1		T=0.0005/1	1000 Genomes
387	rs189940034	g.178107203T>A	c.46-8204A>T	intron 1		A=0.0005/1	1000 Genomes
388	rs185180616	g.178107167G>T	c.46-8168C>A	intron 1		T=0.0005/1	1000 Genomes
389	rs143692702	g.178107161A>G	c.46-8162T>C	intron 1		G=0.0046/10	1000 Genomes
390	rs181313752	g.178107122T>C	c.46-8123A>G	intron 1		C=0.0005/1	1000 Genomes
391	rs148958299	g.178107102T>A	c.46-8103A>T	intron 1		A=0.0032/7	1000 Genomes
392	rs145790450	g.178107039T>C	c.46-8040A>G	intron 1		C=0.0005/1	1000 Genomes
393	rs189392144	g.178107038A>G	c.46-8039T>C	intron 1		G=0.0005/1	1000 Genomes
394	rs149835220	g.178106962G>A	c.46-7963C>T	intron 1		A=0.0027/6	1000 Genomes
395	rs142620253	g.178106904G>A	c.46-7905C>T	intron 1		A=0.0009/2	1000 Genomes
396	rs147752201	g.178106891T>A	c.46-7892A>T	intron 1		A=0.0018/4	1000 Genomes
397	rs75661630	g.178106758A>C	c.46-7759T>G	intron 1		C=0.0069/15	1000 Genomes
398	rs187169453	g.178106736A>G	c.46-7737T>C	intron 1		G=0.0005/1	1000 Genomes
399	rs145683450	g.178106726G>A	c.46-7727C>T	intron 1		A=0.0027/6	1000 Genomes
400	rs181703340	g.178106335C>T	c.46-7336G>A	intron 1		T=0.0014/3	1000 Genomes
401	rs140260993	g.178106313C>A	c.46-7314G>T	intron 1		A=0.0009/2	1000 Genomes
402	rs35849219	g.178105996delC	c.46-6997delG	intron 1		na	

	A	B	C	D	E	F	G
2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
403	rs10803905 (rs60549745,rs12997535)	g.178105996C>G	c.46-6997G>C	intron 1		C=0.4643/1014	1000 Genomes
404	rs190738455	g.178105970A>T	c.46-6971T>A	intron 1		T=0.0009/2	1000 Genomes
405	rs150511755	g.178105846T>C	c.46-6847A>G	intron 1		C=0.0046/10	1000 Genomes
406	rs142538623	g.178105771G>C	c.46-6772C>G	intron 1		C=0.0105/23	1000 Genomes
407	rs117091737	g.178105676A>G	c.46-6677T>C	intron 1		G=0.0119/26	1000 Genomes
408	rs185629218	g.178105597T>C	c.-3-6598A>G	intron 1		C=0.0005/1	1000 Genomes
409	rs148441415	g.178105372G>C	c.46-6373C>G	intron 1		C=0.0023/5	1000 Genomes
410	rs144543556	g.178105289A>G	c.46-6290T>C	intron 1		G=0.0009/2	1000 Genomes
411	rs192354298	g.178105169C>T	c.46-6170G>A	intron 1		T=0.0009/2 A=0.128/280	1000 Genomes PubMed
412	rs12990527 (rs2364720,rs58288492)	g.178105144A>G	c.46-6145T>C	intron 1		A=0.1772/387	1000 Genomes
413	rs188188565	g.178105039G>T	c.46-6040C>A	intron 1		T=0.0023/5	1000 Genomes
414	rs183460473	g.1781049996C>A	c.46-5997G>T	intron 1		A=0.0009/2	1000 Genomes
415	rs141783702	g.178104971C>A	c.46-5972G>T	intron 1		A=0.0005/1	1000 Genomes
416	rs191869222	g.178104833G>C	c.46-5834C>G	intron 1		C=0.0005/1 C=0.352/771	1000 Genomes PubMed
417	rs3731799	g.178104760A>G	c.46-5761T>C	intron 1		G=0.0023/5	1000 Genomes
418	rs57941264 (rs66484779,rs66709457,rs66709458,rs67641099,rs67641100,rs67641101,rs72411387)	g.178104678delA	c.46-5679delT	intron 1		na	
419	rs74901734	g.178104476delT	c.46-5477delA	intron 1		na	
420	rs112653114	g.178104463C>A	c.46-5464G>T	intron 1		na	
421	rs138747587	g.178104460A>G	c.46-5461T>C	intron 1		G=0.0005/1	1000 Genomes
422	rs113539054	g.178104458C>A	c.46-5459G>T	intron 1		na	
423	rs183803382	g.178104445T>G	c.46-5446A>C	intron 1		G=0.0014/3	1000 Genomes
424	rs192860219	g.178104106T>G	c.46-5107A>C	intron 1		G=0.0018/4	1000 Genomes
425	rs142680183	g.178104094C>G	c.46-5095G>C	intron 1		G=0.0037/8	1000 Genomes
426	rs188555073	g.178103728A>G	c.46-4729T>C	intron 1		G=0.0005/1	1000 Genomes
427	rs200246174	g.178103722_178103723delAC	c.46-4724_46-4723delGT	intron 1		-=0.0119/26	1000 Genomes
428	rs138179678	g.178103617T>C	c.46-4618A>G	intron 1		C=0.0037/8	1000 Genomes
429	rs150404294	g.178103514C>T	c.46-4515G>A	intron 1		T=0.0037/8	1000 Genomes
430	rs183448760	g.178103495G>T	c.46-4496C>A	intron 1		T=0.0005/1	1000 Genomes
431	rs35064812	g.178103392_178103393insG	c.46-4394_46-4393insC	intron 1		na	
432	rs140498002	g.178103361A>G	c.46-4362T>C	intron 1		G=0.0005/1	1000 Genomes
433	rs148333212	g.178103328C>T	c.46-4329G>A	intron 1		T=0.0101/22	1000 Genomes
434	rs6726395§(rs57309289)	g.178103229A>G	c.46-4230T>C	intron 1		A=0.453/989 various	1000 Genomes PubMed
435	rs34605869	g.178103185T>C	c.46-4186G>A	intron 1		C=0.0014/3	1000 Genomes
436	rs185331205	g.178103144C>A	c.-3-4145G>T	intron 1		A=0.0055/12	1000 Genomes
437	rs182296139	g.178103138C>T	c.46-4139G>A	intron 1		T=0.0005/1	1000 Genomes
438	rs191597251	g.178103095T>C	c.46-4096A>G	intron 1		C=0.0005/1 C=0.272/595	1000 Genomes PubMed
439	rs186253488	g.178103087A>G	c.46-4088T>C	intron 1		G=0.0018/4	1000 Genomes
440	rs181166091	g.178103051T>G	c.46-4052A>C	intron 1		G=0.0005/1	1000 Genomes
441	rs202181500	g.178103008_178103010delCTG	c.46-4011_46-4009delCAG	intron 1		-=0.0114/25	1000 Genomes
442	rs199878061	g.178103004_178103006delTCT	c.46-4007_46-4005delAGA	intron 1		-=0.0114/25	1000 Genomes
443	rs143328561	g.178102970T>C	c.46-3971A>G	intron 1		C=0.0005/1	1000 Genomes
444	rs142506772	g.178102908G>A	c.46-3909C>T	intron 1		A=0.0023/5	1000 Genomes
445	rs75603023	g.178102697G>T	c.46-3698C>A	intron 1		T=0.0169/37	1000 Genomes
446	rs147723007	g.178102678A>G	c.46-3679T>C	intron 1		G=0.0009/2	1000 Genomes
447	rs191636022	g.178102626T>C	c.46-3627A>G	intron 1		C=0.0009/2 C=0.351/769	1000 Genomes PubMed
448	rs2364719 (rs13025227)	g.178102607C>T	c.46-3608G>A	intron 1		c=0/0	1000 Genomes
449	rs145616927	g.178102545C>A	c.46-3546G>T	intron 1		A=0.0009/2	1000 Genomes
450	rs141859565	g.178102285C>T	c.46-3286G>A	intron 1		T=0.0174/38	1000 Genomes
451	rs185698792	g.178102276T>A	c.46-3277A>T	intron 1		A=0.0009/2	1000 Genomes
452	rs10706328 (rs35093114,rs200576805)	g.178102256delT	c.46-3257delA	intron 1		na	
453	rs7599604	g.178102203G>A	c.-46-3204C>T	intron 1		na	
454	rs111241652	g.178102171G>C	c.46-3172C>G	intron 1		na	
455	rs71421594	g.178102107A>G	c.46-3108C>T	intron 1		na	
456	rs112551006	g.178102005C>A	c.46-3006G>T	intron 1		na	
457	rs79628357	g.178101950G>A	c.46-2951C>T	intron 1		A=0.0362/79	1000 Genomes
458	rs181884871	g.178101886C>T	c.46-2887G>A	intron 1		T=0.0009/2	1000 Genomes
459	rs189307803	g.178101851G>C	c.46-2852C>G	intron 1		C=0.0005/1	1000 Genomes
460	rs34165498	g.178101845_178101846insC	c.46-2847_46-2846insG	intron 1		na	
461	rs2364718	g.178101776T>C	c.46-2777A>G	intron 1		C=0.0147/32	1000 Genomes
462	rs149889003	g.178101763C>A	c.46-2764G>T	intron 1		A=0.0101/22	1000 Genomes
463	rs78377016	g.178101561G>T	c.46-2562C>A	intron 1		T=0.0284/62	1000 Genomes
464	rs183761430	g.178101327C>A	c.46-2328G>T	intron 1		A=0.0014/3	1000 Genomes
465	rs78272396	g.178101326A>G	c.46-2327T>C	intron 1		G=0.0169/37	1000 Genomes
466	rs2364717 (rs13012776,rs59430539)	g.178101235C>T	c.46-2236G>A	intron 1		C=0.4597/1004	1000 Genomes
467	rs78613948	g.178101214T>C	c.46-2215A>G	intron 1		C=0.027/59	1000 Genomes

	A	B	C	D	E	F	G
2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
468	rs139085223	g.178101192A>G	c.46-2193T>C	intron 1		G=0.0005/1	1000 Genomes
469	rs180783046	g.178101027T>C	c.46-2028A>G	intron 1		C=0.0005/1	1000 Genomes
470	rs61232320	g.178100974G>T	c.46-1975C>A	intron 1		T=0.0014/3	1000 Genomes
471	rs189957813	g.178100916T>G	c.46-1917A>C	intron 1		G=0.0005/1	1000 Genomes
472	rs57557108	g.178100808A>G	c.46-1809T>C	intron 1		G=0.0165/36	1000 Genomes
473	rs34661184	g.178100783_178100784insA	c.46-1785_46-1784insT	intron 1		na	
474	rs184867003	g.178100735G>A	c.46-1736C>T	intron 1		A=0.0009/2	1000 Genomes
475	rs6707261	g.178100543C>G	c.46-1544G>C	intron 1		G+=0.0023/5	1000 Genomes
476	rs2001350§ (rs17515179,rs60883775)	g.178100425C>T	c.46-1426G>A	intron 1		C=0.146/318 T (various)	1000 Genomes PubMed
477	rs139900855	g.178100223G>A	c.46-1224C>T	intron 1		A=0.005/1	1000 Genomes
478	rs192846733	g.178100119C>T	c.46-1120G>A	intron 1		T=0.0018/4	1000 Genomes
479	rs80192071	g.178100090A>G	c.46-1091T>C	intron 1		G=0.0069/15	1000 Genomes
480	rs188418193	g.178099986T>A	c.46-987A>T	intron 1		A=0.0009/2	1000 Genomes
481	rs146003121	g.178099915A>G	c.46-916T>C	intron 1		G=0.0101/22	1000 Genomes
482	rs142621111	g.178099897C>T	c.46-898G>A	intron 1		T=0.0165/36	1000 Genomes
483	rs148494821	g.178099775G>A	c.46-776C>T	intron 1		A=0.0069/15	1000 Genomes
484	rs184364316	g.178099759G>A	c.46-760C>T	intron 1		A=0.0005/1	1000 Genomes
485	rs192698275	g.178099700C>T	c.46-701G>A	intron 1		T=0.0005/1 C=0.424/927	1000 Genomes PubMed
486	rs144668476	g.178099653G>C	c.46-654C>G	intron 1		C=0.0037/8	1000 Genomes
487	rs34179691	g.178099615_178099616insG	c.46-617_46-616insC	intron 1		na	
488	rs6433654 (rs61582684)	g.178099612G>C, delG	c.46-613C>G, delC	intron 1		na	
489	rs75402256	g.178099612G>C	c.46-613C>G	intron 1		G=0.4469/976	1000 Genomes
490	rs138732412	g.178099552G>C	c.46-553C>G	intron 1		C=0.0014/3	1000 Genomes
491	rs146476022	g.178099530T>A	c.46-531A>T	intron 1		A=0.0027/6	1000 Genomes
492	rs117916319	g.178099463T>C	c.46-464A>G	intron 1		C=0.0101/22	1000 Genomes
493	rs143918323	g.178099438T>C	c.46-439A>G	intron 1		C=0.0005/1	1000 Genomes
494	rs138440396	g.178099333T>C	c.46-334A>G	intron 1		C=0.0037/8	1000 Genomes
495	rs187866790	g.178099260G>A	c.46-261C>T	intron 1		A=0.0005/1	1000 Genomes
496	rs147100319	g.178099185C>A	c.46-186G>T	intron 1		A=0.0005/1	1000 Genomes
497	rs201921480	g.178099003T>C	c.46-4A>G	intron 1		C=0/0	1000 Genomes
498	rs182428269	g.178098918G>A	c.127C>T	exon 2/mRNA 682	Cns (p.Arg43Trp)	A=0.0005/1	1000 Genomes
499	rs35248500	g.178098917C>T	c.128G>A	exon 2/mRNA 683	Cns (p.Arg43Gln)	T=0.006/13	1000 Genomes
500	rs1135118	g.178098831C>T	c.214G>A	exon 2/mRNA 769	Cns (p.Ala72Thr)	na	PubMed
501	rs199691660	g.178098829A>T	c.216T>A	exon 2/mRNA 771	Cs (p.Ala72=)	na	
502	-	g.178098757C>	c.288G>	exon 2/mRNA 831	Cns (p.Thr92Ile)	na	PubMed
503	rs5031039	g.178098750A>G	c.295T>C	exon 2/mRNA 850	Cns (p.Ser99Pro)	G=0	PubMed
504	rs114377436	g.178098722G>A	c.312+11C>T	intron 2		A=0.0069/15	1000 Genomes
505	rs78088214	g.178098679C>T	c.312+54G>A	intron 2		T=0.0238/52	1000 Genomes
506	rs151335115	g.178098660C>T	c.312+73G>A	intron 2		T=0.0101/22	1000 Genomes
507	rs77817284	g.178098565A>C	c.312+168T>G	intron 2		C=0.0009/2	1000 Genomes
508	rs143434001	g.178098562C>G	c.312+171G>C	intron 2		G=0.0005/1	1000 Genomes
509	rs148816783	g.178098502G>T	c.312+231C>A	intron 2		T=0.0101/22	1000 Genomes
510	rs145469719	g.178098463G>A	c.312+270C>T	intron 2		A=0.0005/1	1000 Genomes
511	rs7604429	g.178098454C>G	c.312+279G>C	intron 2		G=0.0014/3	1000 Genomes
512	rs190854564	g.178098430G>T	c.312+303C>A	intron 2		T=0.0018/4	1000 Genomes
513	rs7604306	g.178098310C>T	c.313-243G>A	intron 2		T=0.0018/4	1000 Genomes
514	rs187729729	g.178098092G>A	c.313-25C>T	intron 2		A=0.0027/6	1000 Genomes
515	rs139080704 (rs148365874)	g.178098088delA	c.313-21delT	intron 2		-=0.0765/167	1000 Genomes
516	rs200239262	g.178098017C>G	c.363G>C	exon 3/mRNA 918	Cns (p.Gln121His)	na	
517	rs183034165	g.178098008T>C	c.372G>A	exon 3/mRNA 927	Cs (p.Ala124=)	T=0.0009/2 T=0.006	1000 Genomes PubMed
518	rs199970826	g.178097996C>T	c.384G>A	exon 3/mRNA 939	Cs (p.Pro128=)	T=0.0005/1	1000 Genomes
519	rs191231706	g.178097965T>C	c.402+13A>G	intron 3		C=0.0005/1 G=0.271/592	1000 Genomes PubMed
520	rs57572550	g.178097792T>C	c.402+186A>G	intron 3		C=0.0092/20	1000 Genomes
521	rs10183914§ (rs58731187,rs61374844)	g.178097666C>T	c.402+312G>A	intron 3		T=0.2564/560 T=0.536/188	1000 Genomes PubMed
522	rs146485862	g.178097587C>G	c.403-276G>C	intron 3		G=0.0069/15	1000 Genomes
523	rs115297462	g.178097545G>A	c.403-234C>T	intron 3		A=0.0018/4	1000 Genomes
524	rs200643669	g.178097346C>T	c.403-35G>A	intron 3		T=0.0005/1	1000 Genomes
525	rs200686306	g.178097321A>G	c.403-10T>C	intron 3		G=0.0005/1	1000 Genomes
526	rs201992337	g.178097260C>T	c.454G>A	exon 4/mRNA 1009	Cns (p.Glu152Lys)	na	
527	rs201589693	g.178097251C>T	c.463G>A	exon 4/mRNA 1018	Cns (p.Val155Ile)	T=0.0005/1	1000 Genomes
528	rs35577826	g.178097185A>C	c.529T>G	exon 4/mRNA 1084	Cns (p.Leu177Val)	C=0.0014/3 A<0.005	1000 Genomes PubMed
529	rs80155840	g.178097091T>A	c.594+29A>T	intron 4		na	
530	rs75782703	g.178097090A>T	c.594+30T>A	intron 4		na	
531	rs115871724	g.178096839T>G	c.595-103A>C	intron 4		G=0.0064/14	1000 Genomes
532	rs144119724	g.178096837T>A	c.595-101A>T	intron 4		A=0.0018/4	1000 Genomes
533	rs181513314	g.178096710C>T	c.621G>A	exon 5/mRNA1176	Cn (p.Leu207=)	T=0.0005/1	1000 Genomes
534	rs60132461	g.178096675T>C	c.656A>G	exon 5/mRNA 1211	Cns (p.Lys219Arg)	C=0.0018/4	1000 Genomes

	A	B	C	D	E	F	G
2	**ID**	**Map on chromosome 2*/HGVS Name**	**Position at mRNA¶/HGVS Name**	**Regions**	**Summary**	**Minor Allele Frequency (MAF)/Count**	**MAF sources**
535	rs139187151	g.178096634G>A	c.697C>T	exon 5/mRNA 1252	Cns (p.Pro233Ser)	A=0.0005/1 A=0.0012	1000 Genomes PubMed
536	rs35557421	g.178096620delT	c.711delA	exon 5/mRNA 1266	Cs (p.Glu237=fs)	na	
537	rs34154613	g.178096529C>T	c.802G>A	exon 5/mRNA 1357	Cns(p.Val268Met)	T=0.0018/4	1000 Genomes
538	rs141363120	g.178096406G>A	c.925C>T	exon 5/mRNA 1480	Cns (p.Leu309Phe)	A=0.0037/8	1000 Genomes
539	rs201661476	g.178096380A>C	c.951T>G	exon 5/mRNA 1506	Cns (p.Ile2317Met)	na	
540	rs199673454	g.178096309T>A	c.1022A>T	exon 5/mRNA 1577	Cns (p.Asp341Val)	A=0.0005/1	1000 Genomes
541	rs35007548	g.178096299G>A	c.1032C>T	exon 5/mRNA 1587	Cs (p.Ser344=)	A=0.0009/2	1000 Genomes
542	rs200209692	g.178096287T>C	c.1044A>G	exon 5/mRNA 1599	Cs (p.Leu348=)	C=0.0005/1	1000 Genomes
543	-	g.178096237C>A	c.1094G>T	exon 5/mRNA 1649	Cns (p.Ser365Ile)	A=0.125/273 A=0.006	PubMed
544	rs201214197	g.178096171C>T	c.1160G>A	exon 5/mRNA 1715	Cns (p.Ser387Asn)	T=0.0005/1	1000 Genomes
545	rs200494292	g.178096165T>C	c.1166A>G	exon 5/mRNA 1721	Cns (p.Lys389Arg)	na	
546	rs186171287	g.178096115G>A	c.1216C>T	exon 5/mRNA 1771	Cns (p.Pro406Ser)	A=0.0005/1	1000 Genomes
547	rs182276775	g.178096062C>A	c.1269G>T	exon 5/mRNA 1824	Cns (p.Glu423Asp)	A=0.0005/1	1000 Genomes
548	rs201560221	g.178096048T>C	c.1283A>G	exon 5/mRNA 1838	Cns (p.Lys428Arg)	na	
549	rs189238236	g.178096043A>G	c.1288T>C	exon 5/mRNA 1843	Cs (p.Leu430=)	G=0.0005/1	1000 Genomes
550	rs184287392	g.178096022G>A	c.1309C>T	exon 5/mRNA 1864	Cns (p.Arg437Trp)	A=0.0005/1	1000 Genomes
551	rs201871588	g.178095986G>A	c.1345C>T	exon 5/mRNA 1900	Cns (p.Arg449Cys)	na	
552	rs181294188	g.178095985T>C	c.1346G>A	exon 5/mRNA 1901	Cns (p.Arg449His)	T=0.0009/2	1000 Genomes
553	rs201690466	g.178095973T>A	c.1358A>T	exon 5/mRNA 1913	Cns (p.His453Leu)	A=0.0005/1	1000 Genomes
554	rs1057044 (rs52789869)	g.178095781C>T	c.1550G>A	exon 5/mRNA 2105	Cns (p.Arg517Lys)	na	PubMed
555	rs200750800	g.178095603A>G	c.1728T>C	exon 5/mRNA 2283	Cs (p.Tyr576=)	na	
556	rs200175942	g.178095567A>G	c.1764T>C	exon 5/mRNA 2319	Cs (p.Asp588=)	G=0.0005/1	1000 Genomes
557	rs77547666	g.178095495G>C	c.*18C>G	exon 5 (UTR-3')	mRNA 2391	C=0.0069/15	1000 Genomes
558	rs73031353	g.178095425T>C	c.*88A>G	exon 5 (UTR-3')	mRNA 2461	C=0.0018/4	1000 Genomes
559	rs6759443	g.178095345T>C	c.*168A>G	exon 5 (UTR-3')	mRNA 2541	C=0.0041/9	1000 Genomes
560	rs188674558	g.178095279C>A	c.*234G>T	exon 5 (UTR-3')	mRNA 2607	A=0.0005/1	1000 Genomes
561	rs77685897	g.178095247A>G	c.*266T>C	exon 5 (UTR-3')	mRNA 2639	G=0.0009/2	1000 Genomes
562	rs1057092	g.178095162T>G	c.*351A>C	exon 5 (UTR-3')	mRNA 2724	na	
563	rs3197704	g.178095162T>G	c*351A>C	exon 5 (UTR-3')	mRNA 2724	na	
564	rs184701151	g.178095159T>C	c.*354A>G	exon 5 (UTR-3')	mRNA 2727	C=0.0027/6	1000 Genomes
565	rs11543307	g.178095153A>G	c.*360T>C	exon 5 (UTR-3')	mRNA 2733	na	
566	rs111874043	g.178095146A>G	c.*367T>C	exon 5 (UTR-3')	mRNA 2740	na	
567	rs34012004	g.178095102A>C	c.*411T>G	exon 5 (UTR-3')	mRNA 2784	C=0.071	PubMed
568	rs201481890	g.178095090_178095091insT	c.*422_*423insA	exon 5 (UTR-3')	mRNA 2795-2796	na	
569	rs3082500	g.178095089_178095090delTT, delTTinsT	c.*423_*424delAAinsA	exon 5 (UTR-3')	mRNA 2796-2797	na	
570	rs71792546 (rs71796710)	g.178095079delT	c.*425delA	exon 5 (UTR-3')	mRNA 2798	na	
571	rs1057106	g.178095078A>C, A>T	c.*435T>A, T>G	exon 5 (UTR-3')	mRNA 2808	na	
572	rs34176791	g.178095076A>C	c.*437T>G	exon 5 (UTR-3')	mRNA 2810	C=0.0023/5	1000 Genomes
573	rs35911553	g.178095045C>T	c.*468G>A	exon 5 (UTR-3')	mRNA 2841	T=0.0069/15	1000 Genomes
574	rs144190519	g.178095001delTG	c.*482+30_*482+31delCA	3'flanking		-=0.0238/52	1000 Genomes
575	rs34261474	g.178094967_178094968insC	c.*482+63_*482+64insG	3'flanking		na	
576	rs11370732 (rs144540636)	g.178094964_178094965insC	c.*480+68_*480+69insG	3'flanking		C=0.0114/25	1000 Genomes
577	rs199663976	g.178094874A>T	c.*482+157T>A	3'flanking		na	
578	rs147246052	g.178094764G>A	c.*482+267C>T	3'flanking		A=0.0014/3	1000 Genomes
579	rs80324085	g.178094714G>A	c.*482+317C>T	3'flanking		A=0.0018/4	1000 Genomes
580	rs7603691	g.178094622T>C	c.*482+409A>G	3'flanking		C=0.0018/4	1000 Genomes
581	rs138431904	g.178094611A>G	c.*482+420T>C	3'flanking		G=0.0018/4	1000 Genomes
582	rs114146942	g.178094572G>A	c.*482+459C>T	3'flanking		A=0.0238/52	1000 Genomes
583	rs78677742	g.178094564C>T	c.*482+467G>A	3'flanking		T=0.005/11	1000 Genomes
584	rs2706110	g.178092162T>C		3'flanking		na	PubMed
585	rs13035806	g.178091822G>A		3'flanking		A=0.124/272	1000 Genomes
586	rs2588882	g.178087165G>T		3'flanking		na	PubMed

Supplementary Table S2. Mouse *Nrf2* genetic sequence variation.

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs230809422	75709621	E030042O20Rik	4980	-4980	5'flanking	C/T	NC	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs255224698	75709614	E030042O20Rik	4973	-4973	5'flanking	A/G	NC	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs240249171	75709613	E030042O20Rik	4972	-4972	5'flanking	C/T	NC	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs226991224	75709598	E030042O20Rik	4957	-4957	5'flanking	A/G	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs33255540	75709516	E030042O20Rik	4875	-4875	5'flanking	A/G	NC	G	A	A	G	A	A	G	G	A	A	G	A	G	A	G	G	G
rs247536675	75709480	E030042O20Rik	4839	-4839	5'flanking	C/T	NC	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs221147315	75709474	E030042O20Rik	4833	-4833	5'flanking	G/T	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G	G
rs255873241	75709455	E030042O20Rik	4814	-4814	5'flanking	A/G	NC	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs247277782	75709424	E030042O20Rik	4783	-4783	5'flanking	C/G	NC	G	G	G	G	G	G	G	C	G	G	G	G	G	G	G	G	G
rs219830336	75709421	E030042O20Rik	4780	-4780	5'flanking	A/G	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs257294435	75709420	E030042O20Rik	4779	-4779	5'flanking	C/T	NC	T	T	T	T	T	T	T	C	T	T	T	T	C	T	C	C	C
rs234599241	75709176	E030042O20Rik	4535	-4535	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs237178090	75709152	E030042O20Rik	4511	-4511	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C	C	T
rs264066598	75709124	E030042O20Rik	4483	-4483	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs239177899	75709120	E030042O20Rik	4479	-4479	5'flanking	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs29868165	75709012	E030042O20Rik	4371	-4371	5'flanking	A/G	I	A	G	G	A	G	G	A	G	G	G	A	G	G	G	G	G	G
rs249142851	75709011	E030042O20Rik	4370	-4370	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs243227340	75709003	E030042O20Rik	4362	-4362	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G	A	A
rs213568400	75708971	E030042O20Rik	4330	-4330	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs245869742	75708881	E030042O20Rik	4240	-4240	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs226690726	75708854	E030042O20Rik	4213	-4213	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs260067802	75708817	E030042O20Rik	4176	-4176	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs250341742	75708706	E030042O20Rik	4065	-4065	5'flanking	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs228899359	75708700	E030042O20Rik	4059	-4059	5'flanking	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs264666949	75708655	E030042O20Rik	4014	-4014	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs244676293	75708654	E030042O20Rik	4013	-4013	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs50763314	75708597	E030042O20Rik	3956	-3956	5'flanking	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs219885776	75708592	E030042O20Rik	3951	-3951	5'flanking	C/G/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs33051362	75708450	E030042O20Rik	3809	-3809	5'flanking	G/T	I	T	G	G	T	G	G	T	G	G	G	T	G	G	G	G	G	G
rs240796647	75708422	E030042O20Rik	3781	-3781	5'flanking	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs223681637	75708244	E030042O20Rik	3603	-3603	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs260734210	75708243	E030042O20Rik	3602	-3602	5'flanking	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T	T
rs241799886	75708217	E030042O20Rik	3576	-3576	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs212540446	75708209	E030042O20Rik	3568	-3568	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs260621619	75708149	E030042O20Rik	3508	-3508	5'flanking	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs231801047	75708145	E030042O20Rik	3504	-3504	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs213630694	75708138	E030042O20Rik	3497	-3497	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs245929997	75708137	E030042O20Rik	3496	-3496	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs226749174	75708115	E030042O20Rik	3474	-3474	5'flanking	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs218909371	75708045	E030042O20Rik	3404	-3404	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs254123930	75707907	E030042O20Rik	3266	-3266	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs229438622	75707710	E030042O20Rik	3069	-3069	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs261595945	75707695	E030042O20Rik	3054	-3054	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs256370335	75707685	E030042O20Rik	3044	-3044	5'flanking	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs225800735	75707627	E030042O20Rik	2986	-2986	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs260304414	75707610	E030042O20Rik	2969	-2969	5'flanking	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs240859579	75707591	E030042O20Rik	2950	-2950	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs247435176	75707572	E030042O20Rik	2931	-2931	5'flanking	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	C	T	C	C	C
rs265995066	75707537	E030042O20Rik	2896	-2896	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs247215518	75707514	E030042O20Rik	2873	-2873	5'flanking	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs220803614	75707513	E030042O20Rik	2872	-2872	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs33595806	75707504	E030042O20Rik	2863	-2863	5'flanking	C/T	I	C	T	T	C	T	T	C	T	T	T	C	T	T	T	T	T	T
rs231859891	75707491	E030042O20Rik	2850	-2850	5'flanking	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A
rs263410910	75707478	E030042O20Rik	2837	-2837	5'flanking	A/C	I	A	A	A	A	A	A	A	C	A	A	A	A	C	A	C	C	C
rs32828299	75707404	E030042O20Rik	2763	-2763	5'flanking	A/G	I	A	G	G	A	G	G	A	G	G	G	A	G	G	G	G	A	G
rs232815688	75707385	E030042O20Rik	2744	-2744	5'flanking	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs219058923	75707337	E030042O20Rik	2696	-2696	5'flanking	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs27978297	75707281	E030042O20Rik	2640	-2640	5'flanking	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs27978298	75707263	E030042O20Rik	2622	-2622	5'flanking	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs257363084	75707231	E030042O20Rik	2590	-2590	5'flanking	A/T	I	A	A	A	A	A	A	A	T	A	A	A	A	T	A	A	A	T
rs245853837	75707183	E030042O20Rik	2542	-2542	5'flanking	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs225868145	75707172	E030042O20Rik	2531	-2531	5'flanking	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs259982121	75707150	E030042O20Rik	2509	-2509	5'flanking	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs246896451	75707139	E030042O20Rik	2498	-2498	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs235728646	75707132	E030042O20Rik	2491	-2491	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs264187040	75706924	E030042O20Rik	2283	-2283	5'flanking	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G
rs27978299	75706892	E030042O20Rik	2251	-2251	5'flanking	G/T	I	G	G	G	G	G	G	G	T	G	G	G	G	G	G	G	G	G
rs27978300	75706861	E030042O20Rik	2220	-2220	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs27978301	75706760	E030042O20Rik	2119	-2119	5'flanking	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	A	T	T	T	A
rs238139731	75706739	E030042O20Rik	2098	-2098	5'flanking	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	A
rs219122423	75706732	E030042O20Rik	2091	-2091	5'flanking	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs27978302	75706721	E030042O20Rik	2080	-2080	5'flanking	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	G	A	A	G	G
rs27978303	75706591	E030042O20Rik	1950	-1950	5'flanking	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs227131200	75706486	E030042O20Rik	1845	-1845	5'flanking	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs33316784	75706455	E030042O20Rik	1814	-1814	5'flanking	A/T	I	T	A	A	T	A	A	T	A	A	A	T	A	A	A	A	A	A
rs27978304	75706387	E030042O20Rik	1746	-1746	5'flanking	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	T	C	T	C	T
rs27978305	75706326	E030042O20Rik	1685	-1685	5'flanking	C/G	I	G																
rs266000646	75706320 - 75706321	E030042O20Rik	1680-1679	-1680:-1679	5'flanking	AAAC add	I	AA																
rs218612804	75706311	E030042O20Rik	1670	-1670	5'flanking	T del	I	T																
rs236201595	75706286-75706296	E030042O20Rik	1655-1645	-1655:-1645	5'flanking	CAAACAGAATG del	I	CAAACAGAATG																
rs211905706	75706239	E030042O20Rik	1598	-1598	5'flanking	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs245907677	75706152	E030042O20Rik	1511	-1511	5'flanking	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs231965425	75706141	E030042O20Rik	1500	-1500	5'flanking	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs216029209	75706088	E030042O20Rik	1447	-1447	5'flanking	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs246569186	75706056	E030042O20Rik	1415	-1415	5'flanking	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs225603345	75706018	E030042O20Rik	1377	-1377	5'flanking	G/T	I	G																
rs219655931	75705967-75705973	E030042O20Rik	1332-1326	-1332:-1326	5'flanking	TTTTTTT del	I	TTTTTTT																
rd233902846	75705966	E030042O20Rik	1325	-1325	5'flanking	A/T	I	A																
rs214254775	75705965-75708966	E030042O20Rik	1324	-1324	5'flanking	TTTTTTTTTTTTTTTTT add	I	AA																
rs235569319	75705858	E030042O20Rik	1217	-1217	5'flanking	A del	I	A																
rs250669934	75705818-75705819	E030042O20Rik	1177	-1177	5'flanking	A add	I	GA																
rs215402334	75705761-75705766	E030042O20Rik	1120	-1120	5'flanking	GTGGTA del	I	GTGGTA																
rs218589635	75705741	E030042O20Rik	1100	-1100	5'flanking	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs250243737	75705738	E030042O20Rik	1097	-1097	5'flanking	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs228660677	75705668	E030042O20Rik	1027	-1027	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs256608517	75705565	E030042O20Rik	924	-924	5'flanking	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A	G
rs47274959	75705562	E030042O20Rik	921	-921	5'flanking	A/T	I	A	T	T	A	T	T	A	A	T	T	A	T	A	T	T	T	A
rs216940398	75705554-75705555	E030042O20Rik	913	-913	5'flanking	T add	I	CG																
rs239114134	75705540	E030042O20Rik	899	-899	5'flanking	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	C	T	C	T	C
rs46461765	75705528	E030042O20Rik	887	-887	5'flanking	G/T	I	T	G	G	T	G	G	T	T	G	G	T	G	T	G	G	G	T
rs51449853	75705525	E030042O20Rik	884	-884	5'flanking	A/C	I	C	A	A	C	A	A	C	C	A	A	C	A	C	A	C	C	C
rs249093111	75705512	E030042O20Rik	871	-871	5'flanking	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	C	T	T	T	C
rs263745200	75705510	E030042O20Rik	869	-869	5'flanking	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G	G
rs45651867	75705498	E030042O20Rik	857	-857	5'flanking	G/T	I	T	G	G	T	G	G	T	T	G	G	T	G	T	G	G	G	T
rs219997531	75705495	E030042O20Rik	854	-854	5'flanking	A/G	SSD	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs251918379	75705451	E030042O20Rik	810	-810	5'flanking	A/T	NC	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs27978306	75705449	E030042O20Rik	808	-808	5'flanking	A/T	NC	T	A	A	T	A	A	T	T	A	A	T	A	T	A	T	T	T
rs216087412	75705429	E030042O20Rik	788	-788	5'flanking	A/C	NC	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A
rs261229914	75705423-75705424	E030042O20Rik	783	-783	5'flanking	AG del	NC	AG																
rs27978307	75705400	E030042O20Rik	759	-759	5'flanking	C/T	NC	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs243167395	75705359	E030042O20Rik	718	-718	5'flanking	A/G	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978308	75705307	E030042O20Rik	666	-666	5'flanking	A/G	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs254744098	75705294	E030042O20Rik	653	-653	5'flanking	A/T	NC	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs228133419	75705179	E030042O20Rik	538	-538	5'flanking	G/T	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs214719520	75705111	E030042O20Rik	470	-470	5'flanking	A/G	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs244087730	75705101	E030042O20Rik	460	-460	5'flanking	A/G	NC	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs227781699	75705081	E030042O20Rik	440	-440	5'flanking	C/G	NC	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C	C
rs257870353	75705067	E030042O20Rik	426	-426	5'flanking	C/T	NC	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs244877440	75705022	E030042O20Rik	381	-381	5'flanking	A/G	NC	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs234628138	75704973	E030042O20Rik	332	-332	5'flanking	A/C	NC	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs247275247	75704961	E030042O20Rik	320	-320	5'flanking	A/G	NC	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G	G	G
rs247519047	75704922	E030042O20Rik	280	-281	5'flanking	G del	NC	G																
rs27978309 (rs51915758)	75704887	E030042O20Rik	246	-246	5'flanking	A/G	NC	G	A	A	G	A	A	G	G	A	A	G	A	G	A	C	C	G
rs218139102	75704879	E030042O20Rik	238	-238	5'flanking	A/C	NC	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C	C
rs251990355	75704870	E030042O20Rik	229	-229	5'flanking	C/T	NC	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs238746955	75704794	E030042O20Rik	153	-153	5'flanking	A/G	NC	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs221664405	75704786	E030042O20Rik	145	-145	5'flanking	A/G	NC	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs217054035	75704766-75704767	E030042O20Rik	125	-125	5'flanking	GAA add	NC	GA																
rs248182931	75704759-75704760	E030042O20Rik	118	-118	5'flanking	G add	NC	AG																
rs217197904	75704744	E030042O20Rik	103	-103	5'flanking	A/G	NC	G	A	A	G	A	A	G	G	A	A	G	A	A	A	G	G	A
rs264493649	75704704	Nfe2l2	63	-63	5'flanking	G del	NC	G																
rs240481112	75704682	Nfe2l2	41	-41	5'flanking	C/T	NC	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978310	75704617	Nfe2l2	25	25	UTR-5	A/G		A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	G	A
rs27978311	75704610	Nfe2l2	32	32	UTR-5	C/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C
rs27978312	75704605	Nfe2l2	37	37	UTR-5	A/G		G	A	A	G	A	A	G	G	A	A	G	A	G	A	G	G	G
rs214784220	75704499	Nfe2l2	143	143	UTR-5	A/G		A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	G	A
rs244146318	75704498	Nfe2l2	144	144	UTR-5	G/T		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs27978313	75704497	Nfe2l2	145	145	UTR-5	C/G		G	C	C	G	C	C	G	C	C	C	G	C	C	C	C	C	C
rs215431944	75704493	Nfe2l2	149	149	UTR-5	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs257015697	75704449	Nfe2l2	193	193	UTR-5	A/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs252234782	75704419	Nfe2l2	223	223	UTR-5	G/T		G																
rs27978314	75704319	Nfe2l2	322		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	A	C	C	C	C
rs265852411	75704201	Nfe2l2	440		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs249576378	75704200	Nfe2l2	441		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs223884135	75704162	Nfe2l2	479		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs225675309	75704123-75704123	Nfe2l2	518-519		intron1	GC del	I	GC																
rs27978315	75704018	Nfe2l2	623		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs27978316	75704005	Nfe2l2	636		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs221730892	75703948	Nfe2l2	693		intron1	A/T	I	A	A	A	A	A	A	A	T	A	A	A	A	A	A	A	A	A
rs230812739	75703907	Nfe2l2	734		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs251675588	75703902	Nfe2l2	739		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs257204870	75703882	Nfe2l2	759		intron1	C/T	I	T	C	C	T	C	C	T	C	C	C	T	C	C	C	C	C	C
rs29516127	75703881	Nfe2l2	760		intron1	A/G	I	G	A	A	G	A	A	G	A	A	A	G	A	A	A	A	A	A
rs230074987	75703862	Nfe2l2	779		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs220065806	75703840	Nfe2l2	801		intron1	C/G	I	G	G	G	G	G	G	G	C	G	G	G	G	G	G	G	G	G
rs250109356	75703741	Nfe2l2	900		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs233891721	75703735	Nfe2l2	906		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	T
rs215493467	75703725	Nfe2l2	916		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	T
rs27978317	75703616	Nfe2l2	1025		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	G	C
rs242363061	75703586	Nfe2l2	1055		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs217708190	75703584	Nfe2l2	1057		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978318	75703390	Nfe2l2	1251		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs32866119	75703337	Nfe2l2	1304		intron1	C/T	I	T	C	C	T	C	C	T	T	C	C	T	C	C	C	T	T	C
rs258012361	75703270	Nfe2l2	1371		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs245014956	75703207	Nfe2l2	1434		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs214557169	75703194-75703193	Nfe2l2	1447-1448		intron1	ATA add	I	CA																
rs256917024	75703191-75703189	Nfe2l2	1450-1452		intron1	TCT del	I	TCT																
rs228081029	75703098	Nfe2l2	1543		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs265483792	75703093	Nfe2l2	1548		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	G	C
rs248870906	75703058-75703053	Nfe2l2	1583-1588		intron1	GCGCGC del	I	GCGCGC																
rs222730436	75703049-75703054	Nfe2l2	1587-1592		intron1	GTGTGC del	I	GTGTGC																
rs248213530	75703015	Nfe2l2	1626		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs261488118	75702906	Nfe2l2	1735		intron1	C/T		T																
rs27978319	75702905	Nfe2l2	1736		intron1	A/G	I	G	A	A	G	A	A	G	G	A	A	G	A	A	A	G	G	A
rs262043662	75702870	Nfe2l2	1771		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A	A
rs236022496	75702862	Nfe2l2	1779		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs220126184	75702858	Nfe2l2	1783		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978320	75702780	Nfe2l2	1861		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs240869005	75702714-75702713		1927-1928		intron1	AA del	I	AA																
rs233599535	75702679	Nfe2l2	1962		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	T
rs224574410	75702653	Nfe2l2	1988		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs27978321	75702589	Nfe2l2	2052		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs239796144	75702550	Nfe2l2	2091		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs213569731	75702507	Nfe2l2	2134		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978322	75702503	Nfe2l2	2138		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs229742175	75702472	Nfe2l2	2169		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs214136071	75702467	Nfe2l2	2174		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs244703714	75702466	Nfe2l2	2175		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	T

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs260962476	75702453-75702449	Nfe2l2	2188-2192		intron1	AAAAC del	I	AAAAC																
rs227780357	75702429	Nfe2l2	2236		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs215718442	75702418	Nfe2l2	2223		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978323	75702365	Nfe2l2	2276		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	G	A
rs233027754	75702347	Nfe2l2	2294		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs264824686	75702311	Nfe2l2	2330		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs236087283	75702243	Nfe2l2	2398		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs226255008	75702206	Nfe2l2	2435		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs255552658	75702188	Nfe2l2	2453		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A	G
rs240122691	75702088	Nfe2l2	2553		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs224257344	75702048	Nfe2l2	2593		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs261199728	75702037	Nfe2l2	2604		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs250628545	75702004	Nfe2l2	2637		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs222043619	75701973	Nfe2l2	2668		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs27978324	75701971	Nfe2l2	2670		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C	C
rs233141858	75701918	Nfe2l2	2723		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs214186430	75701868	Nfe2l2	2773		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs250976411	75701863	Nfe2l2	2778		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978325	75701848	Nfe2l2	2793		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs27978326	75701762	Nfe2l2	2879		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs254720551	75701732	Nfe2l2	2909		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs234035577	75701686	Nfe2l2	2955		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs212749974	75701672	Nfe2l2	2969		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	C	C
rs242203906	75701670	Nfe2l2	2971		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs225922718	75701662	Nfe2l2	2979		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs255621662	75701649	Nfe2l2	2992		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs240187610	75701642	Nfe2l2	2999		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs231756366	75701617	Nfe2l2	3024		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs266157706	75701615	Nfe2l2	3026		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs248000702	75701597	Nfe2l2	3044		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs221566222	75701586	Nfe2l2	3055		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs256344369	75701569	Nfe2l2	3072		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs240013834	75701489	Nfe2l2	3152		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs219777858	75701390	Nfe2l2	3251		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs251041126	75701351	Nfe2l2	3290		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs240689536	75701307	Nfe2l2	3334		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs223937661	75701219	Nfe2l2	3422		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A
rs264032099	75701139	Nfe2l2	3502		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs239115477	75701066	Nfe2l2	3575		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978327	75701047	Nfe2l2	3594		intron1	A/C	I	A																
rs212880751	75701044	Nfe2l2	3597		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs242263241	75701043	Nfe2l2	3598		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A	A
rs232043389	75701040	Nfe2l2	3601		intron1	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	T	T	T
rs213520543	75701028	Nfe2l2	3613		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T	T
rs253369439	75701024	Nfe2l2	3617		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs232343345	75700958	Nfe2l2	3683		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs264485839	75700870	Nfe2l2	3771		intron1	A/T	I	T	T	T	T	T	T	T	A	T	T	T	T	T	T	A	T	T
rs259262655	75700850	Nfe2l2	3791		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs228811958	75700833	Nfe2l2	3808		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T	T
rs27978328	75700826	Nfe2l2	3815		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	A
rs240076902	75700803	Nfe2l2	3838		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs238377034	75700784	Nfe2l2	3857		intron1	T del	I	T																
rs219833542	75700782	Nfe2l2	3859		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs230390114	75700752-75700751	Nfe2l2	3889-3890		intron1	AC del	I	AC																
rs260185989	75700733	Nfe2l2	3908		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs225226082	75700715	Nfe2l2	3926		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs27978329	75700710	Nfe2l2	3931		intron1	C/T	I	T	C	C	T	C	C	T	C	C	C	T	C	C	C	C	T	C
rs260685884	75700687	Nfe2l2	3954		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs241722789	75700666	Nfe2l2	3975		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978330	75700665	Nfe2l2	3976		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	A	G
rs265063374	75700628-75700627	Nfe2l2	4013-4014		intron1	C add	I	GC																
rs27978331	75700602	Nfe2l2	4039		intron1	C/T	I	T	C	C	T	C	C	T	C	C	C	T	C	C	C	C	C	C
rs232099121	75700593	Nfe2l2	4048		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs266085131	75700568	Nfe2l2	4073		intron1	T del		T																
rs213566127	75700504	Nfe2l2	4137		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs258092388	75700503	Nfe2l2	4138		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	T	T

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs250248795	75700490-75700489	Nfe2l2	4151-4152		intron1	TT del	I	TT																
rs250289826	75700489-75700488	Nfe2l2	4152-4153		intron1	TTTTT add	I	GT																
rs237709104	75700488	Nfe2l2	4153		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs27978332	75700418	Nfe2l2	4223		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	G
rs235731320	75700378-75700377	Nfe2l2	4264-4265		intron1	AA del	I	AA																
rs253630496	75700377-75700376	Nfe2l2	4265-4267		intron1	AAAAAAAA add	I	TA																
rs243192392	75700376-75700375	Nfe2l2	4267-4268		intron1	A add	I	TT																
rs220104858	75700374	Nfe2l2	4267		intron1	T del	I	T																
rs254061717	75700325	Nfe2l2	4316		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	A	A	A
rs247244706	75700323-75700322	Nfe2l2	4319-4320		intron1	A add	I	GA																
rs225075019	75700299	Nfe2l2	4342		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs216137472	75700258-75700257	Nfe2l2	4383-4384		intron1	G add		TG																
rs256087954	75700240	Nfe2l2	4401		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs246109890	75700169	Nfe2l2	4472		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs226147099	75700149	Nfe2l2	4492		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs260243630	75700135	Nfe2l2	4506		intron1	A/C/G	I	A	A	A	A	A	A	A	C	A	A	A	A	A	A	G	A	A
rs225266461	75700089-75700088	Nfe2l2	4552-4553		intron1	CT del		CT																
rs3655647	75700064	Nfe2l2	4577		intron1	C/T	I	T	C	C	T	C	C	T	C	C	C	T	C	C	C	C	C	C
rs234105226	75700058	Nfe2l2	4583		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C
rs266085234	75700048	Nfe2l2	4593		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs3655622	75700046	Nfe2l2	4595		intron1	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	T	T	C	C	C
rs218415197	75700039	Nfe2l2	4602		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A
rs247871958	75700035	Nfe2l2	4606		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A
rs238010604	75699964	Nfe2l2	4677		intron1	A/C	I	C	C	C	C	C	C	C	A	C	C	C	C	C	C	C	A	A
rs219358518	75699919	Nfe2l2	4722		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs230156875	75699896	Nfe2l2	4745		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	A	C	C	C	C
rs239846346	75699872	Nfe2l2	4769		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	G	A
rs217927809	75699779-75699776	Nfe2l2	4862-4865		intron1	TAAT del		TAAT																
rs218977770	75699770	Nfe2l2	4871		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs263875019	75699764	Nfe2l2	4877		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs253399153	75699737		4904		intron1	G del		G																
rs230848523	75699736	Nfe2l2	4905		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	C
rs212173929	75699721-75699720	Nfe2l2	4921-4922		intron1	GT del		GT																
rs212191263	75699708	Nfe2l2	4933		intron1	C/G	I	G	G	G	G	G	G	G	C	G	G	G	G	G	G	G	G	C
rs213252200	75699642-75699641	Nfe2l2	4999-5000		intron1	AT add		AA																
rs245800454	75699610	Nfe2l2	5031		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	T	T
rs225803230	75699581	Nfe2l2	5060		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	C
rs27978333	75699564	Nfe2l2	5077		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	C
rs27978334	75699534	Nfe2l2	5107		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C
rs235651349	75699498	Nfe2l2	5143		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs218247010	75699408	Nfe2l2	5237		intron1	A del		A																
rs264155648	75699314	Nfe2l2	5327		intron1	G/T	I	G	G	G	G	G	G	G	T	G	G	G	G	G	G	T	T	T
rs240662004	75699303	Nfe2l2	5338		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	G
rs224093309	75699256	Nfe2l2	5385		intron1	A/T	I	T	T	T	T	T	T	T	A	T	T	T	T	T	T	T	T	A
rs253664669	75699213	Nfe2l2	5428		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs238072552	75699164	Nfe2l2	5477		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs219076099	75699130	Nfe2l2	5511		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs263352895	75699126	Nfe2l2	5515		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs245184098	75699125	Nfe2l2	5516		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs227048157	75699060	Nfe2l2	5581		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	A	G	G
rs260138157	75699051	Nfe2l2	5590		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	T	T
rs230441864	75699044	Nfe2l2	5597		intron1	G/T	I	G	G	G	G	G	G	G	T	G	G	G	G	G	G	T	T	T
rs212252696	75699001	Nfe2l2	5640		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	C
rs252186577	75698938	Nfe2l2	5703		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	G
rs27978335	75698906	Nfe2l2	5735		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G	G
rs216759747	75698904	Nfe2l2	5737		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs27978336	75698898	Nfe2l2	5743		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs234223309	75698886	Nfe2l2	5755		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs27978337	75698829	Nfe2l2	5812		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A	A
rs243339667	75698823	Nfe2l2	5818		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs223688217	75698767	Nfe2l2	5874		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	G	T
rs217407978	75698713	Nfe2l2	5928		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	A	G	G	G	G	G
rs244349460	75698709	Nfe2l2	5932		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs229858119	75698699	Nfe2l2	5942		intron1	A/T	I	T	T	T	T	T	T	T	A	T	T	T	T	T	T	A	A	A
rs263403778	75698690	Nfe2l2	5951		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	G	A
rs247837008	75698657	Nfe2l2	5984		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs226681843	75698621	Nfe2l2	6020		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A	G
rs265907281	75698613	Nfe2l2	6028		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	G	A
rs237956040	75698515	Nfe2l2	6126		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	C
rs218020200	75698509	Nfe2l2	6132		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	C
rs252256218	75698438	Nfe2l2	6203		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	A	A
rs216531668	75698418-75698417	Nfe2l2	6223-6224		intron1	TT del	I	TT																
rs231963433	75698416	Nfe2l2	6225		intron1	G/T	I	G																
rs258160886	75698347-75698346	Nfe2l2	6294-6295		intron1	A add	I	CA																
rs29541228	75698333	Nfe2l2	6308		intron1	C/G	I	G	C	C	G	C	C	G	C	C	C	G	C	C	C	C	C	C
rs241106629	75698328-75698327	Nfe2l2	6313-6314		intron1	CA del	I	CA																
rs258719975	75698284	Nfe2l2	6357		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs243093852	75698258	Nfe2l2	6383		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A
rs248986100	75698230	Nfe2l2	6411		intron1	A del	I	A																
rs218604721	75698202	Nfe2l2	6439		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs261249066	75698183-75698182	Nfe2l2	6458-6459		intron1	AA del	I	AA																
rs243395291	75698143	Nfe2l2	6498		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978338	75698114	Nfe2l2	6527		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	G
rs3688913	75698104	Nfe2l2	6537		intron1	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	C	T	C	C	C
rs27978339	75698102	Nfe2l2	6539		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C	C
rs27978340	75698098	Nfe2l2	6543		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	A
rs252454188	75698095-75698094	Nfe2l2	6546-6547		intron1	CA add	I	TT																
rs249947002	75698047	Nfe2l2	6594		intron1	A del	I	A																
rs265643467	75698032	Nfe2l2	6609		intron1	A/T	I	A	A	A	A	A	A	A	T	A	A	A	A	A	A	A	A	T
rs251968117	75698027	Nfe2l2	6614		intron1	A/C	I	C	C	C	C	C	C	C	A	C	C	C	C	C	C	C	C	A
rs260277664	75698013-75698011	Nfe2l2	6628-6629		intron1	AAC del	I	AAC																
rs234553734	75697966	Nfe2l2	6675		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	A
rs246174753	75697962	Nfe2l2	6679		intron1	T del	I	T																
rs260634152	75697897	Nfe2l2	6744		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	T
rs25124205	75697862	Nfe2l2	6779		intron1	G del	I	G																
rs27978341	75697860	Nfe2l2	6781		intron1	A/C	I	A																
rs238021329	75697829	Nfe2l2	6812		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978342	75697669	Nfe2l2	6972		intron1	A/G	I	A																
rs233458866	75697665-75697664	Nfe2l2	6976-6977		intron1	AG del	I	AG																
rs218084461	75697642	Nfe2l2	6999		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs258213605	75697583	Nfe2l2	7058		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs215071073	75697457-75697456	Nfe2l2	7184-7185		intron1	GAG add		TG																
rs27978343	75697438	Nfe2l2	7203		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	G
rs225151570	75697385	Nfe2l2	7256		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs262978641	75697369	Nfe2l2	7272		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs240411269	75697362	Nfe2l2	7279		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs259918473	75697257-75697256	Nfe2l2	7384-7385		intron1	A add	I	TA																
rs226248995	75697228	Nfe2l2	7413		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs249316494	75697174	Nfe2l2	7467		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs230331568	75697172	Nfe2l2	7469		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs214723803	75697160	Nfe2l2	7481		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs244090892	75697117	Nfe2l2	7524		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs241381264	75697051	Nfe2l2	7590		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs216431792	75697026	Nfe2l2	7615		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A	G
rs248783695	75697010-75697009	Nfe2l2	7631-7632		intron1	T add	I	CT																
rs241975610	75696989	Nfe2l2	7652		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	A	G	A	A	A
rs27978344	75696875	Nfe2l2	7766		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C
rs216376541	75696847	Nfe2l2	7794		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs244298852	75696838	Nfe2l2	7803		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs224190629	75696765	Nfe2l2	7876		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs258269796	75696748	Nfe2l2	7893		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs243006444	75696657	Nfe2l2	7984		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	H	C
rs264811980	75696631-75696630	Nfe2l2	8010-8011		intron1	TA add	I	CT																
rs232899007	75696612	Nfe2l2	8029		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs257816432	75696576	Nfe2l2	8065		intron1	C del	I	C																
rs261927881	75696572	Nfe2l2	8069		intron1	G del	I	G																
rs263280110	75696572	Nfe2l2	8069		intron1	C/G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	C
rs251596967	75696532	Nfe2l2	8109		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs222045578	75696530	Nfe2l2	8111		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs248985673	75696528	Nfe2l2	8113		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs235896108	75696526	Nfe2l2	8115		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs220375206	75696506	Nfe2l2	8135		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	T	C
rs262193337	75696386	Nfe2l2	8255		intron1	C/G	I	C	C	C	C	C	C	C	G	C	C	C	C	C	C	C	C	C
rs238983207	75696373	Nfe2l2	8268		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs216486956	75696310	Nfe2l2	8331		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978345	75696273	Nfe2l2	8368		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs27978346	75696143	Nfe2l2	8498		intron1	A/G	I	A	G	G	A	G	G	A	G	G	G	A	G	G	G	G	G	G
rs216430126	75696080	Nfe2l2	8561		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978347	75695985	Nfe2l2	8656		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	A	A	A
rs249907617	75695975-75695966	Nfe2l2	8666-8675		intron1	AGTAAAAGCT del	I	AGTAAAAGCT																
rs223881123	75695942	Nfe2l2	8699		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C
rs214394221	75695929	Nfe2l2	8712		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	C
rs252488612	75695906-75695905	Nfe2l2	8735-8736		intron1	C add	I	AA																
rs258528878	75695859-75695858	Nfe2l2	8782-8783		intron1	CT add	I	AC																
rs238660437	75695839-75695838	Nfe2l2	8802-8803		intron1	AGG add	I	CA																
rs255206844	75695830	Nfe2l2	8811		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs236252421	75695792-75695791	Nfe2l2	8849-8850		intron1	TG add	I	CT																
rs232287271	75695700	Nfe2l2	8941		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs265468575	75695690	Nfe2l2	8951		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs248579211	75695665	Nfe2l2	8976		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978348	75695545	Nfe2l2	9096		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	T	T
rs27978349	75695521	Nfe2l2	9120		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	C	G
rs235964997	75695519	Nfe2l2	9122		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs27978350	75695449	Nfe2l2	9192		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs257472311	75695423	Nfe2l2	9218		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs249601985	75695417	Nfe2l2	9224		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	C
rs224509750	75695406	Nfe2l2	9235		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A
rs257252695	75695382	Nfe2l2	9259		intron1	A/C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C	A	C
rs235767822	75695366	Nfe2l2	9275		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	G	G
rs216485918	75695365	Nfe2l2	9276		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs250170344	75695340	Nfe2l2	9301		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs230843559	75695335	Nfe2l2	9306		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	A	T	T	T	T
rs27978351	75695269	Nfe2l2	9372		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs250724500	75695228	Nfe2l2	9413		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs241008850	75695213	Nfe2l2	9428		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs215652101	75695212	Nfe2l2	9429		intron1	A/C	I	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A
rs241222487	75695209-75695207	Nfe2l2	9432		intron1	CAA del	I	CAA																
rs260039136	75695047	Nfe2l2	9594		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs27978352	75695003	Nfe2l2	9638		intron1	A/T	I	T	T	T	T	T	T	T	A	T	T	T	T	T	T	A	A	T
rs254796318	75695000	Nfe2l2	9641		intron1	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	T	G	T
rs242459063	75694991	Nfe2l2	9650		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	G
rs212978761	75694939	Nfe2l2	9702		intron1	A del	I	A																
rs27978354	75694890	Nfe2l2	9751		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs265090850	75694844	Nfe2l2	9797		intron1	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	T	G	T
rs246453127	75694827	Nfe2l2	9814		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs229452668	75694808-15694807	Nfe2l2	9833-9834		intron1	T add	I	AA																
rs240226829	75694801	Nfe2l2	9840		intron1	A del	I	A																
rs27978355	75694792	Nfe2l2	9849		intron1	A/C	I	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	C	A
rs224669038	75694768	Nfe2l2	9873		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs264587050	75694743	Nfe2l2	9898		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs27978356	75694729	Nfe2l2	9912		intron1	A/C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	C
rs221555322	75694729-75694728	Nfe2l2	9912-9913		intron1	CGAAAAA add	I	GT																
rs27978357	75694694	Nfe2l2	9947		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	T	C	C	C	C
rs27978358	75694667	Nfe2l2	9974		intron1	C/T	I	T																
rs27978359	75694638	Nfe2l2	10003		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C	C	C
rs27978360	75694600	Nfe2l2	10041		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	C	T	C	C	C
rs223077967	75694595	Nfe2l2	10046		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	A
rs261833408	75694584	Nfe2l2	10057		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978361	75694566	Nfe2l2	10075		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	C	T	C	C	C
rs216165217	75694473	Nfe2l2	10168		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs247386358	75694472	Nfe2l2	10169		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs27978362	75694251	Nfe2l2	10390		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	C
rs212752209	75694223	Nfe2l2	10418		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs27978363	75694211	Nfe2l2	10430		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	T	C
rs226261680	75694207	Nfe2l2	10434		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs262437880	75694183	Nfe2l2	10458		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs258366972	75694172	Nfe2l2	10469		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs231692176	75694122	Nfe2l2	10519		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs216266719	75694081-75694080	Nfe2l2	10560-10561		intron1	C add	I	GT																
rs266250451	75694011	Nfe2l2	10630		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs234443827	75693958-75693957	Nfe2l2	10683-10684		intron1	A add	I	CA																
rs242345277	75693946	Nfe2l2	10695		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs219140592	75693944	Nfe2l2	10697		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs256280843	75693890	Nfe2l2	10751		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs239947873	75693789	Nfe2l2	10852		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs216899243	75693738-75693737	Nfe2l2	10903-10904		intron1	ACAT add	I	CA																
rs253908284	75693582-75693581	Nfe2l2	11059-11060		intron1	TACTGA add	I	TT																
rs222892149	75693556	Nfe2l2	11085		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978364	75693380	Nfe2l2	11261		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs27978365	75693372	Nfe2l2	11269		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A
rs27978366	75693312	Nfe2l2	11329		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs253194149	75693186	Nfe2l2	11455		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs248381588	75693050-75693049	Nfe2l2	11591-11592		intron1	A del	I	CA																
rs234274465	75693027	Nfe2l2	11614		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978367	75692900	Nfe2l2	11741		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs27978368	75692657	Nfe2l2	11984		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs236837207	75692603	Nfe2l2	12038		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs253472269	75692533-75692530	Nfe2l2	12108-12111		intron1	GACA del	I	GACA																
rs214432552	75692515	Nfe2l2	12126		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs253307639	75692484	Nfe2l2	12157		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978369	75692472	Nfe2l2	12169		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G	G
rs219269367	75692415	Nfe2l2	12226		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs248415591	75692365	Nfe2l2	12276		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978370	75692325	Nfe2l2	12316		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	C	C
rs256342429	75692310	Nfe2l2	12331		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs240013898	75692302	Nfe2l2	12339		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs230302480	75692293	Nfe2l2	12348		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs265019701	75692285	Nfe2l2	12356		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs246068622	75692275	Nfe2l2	12366		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs223836194	75692266	Nfe2l2	12375		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs252947323	75692250	Nfe2l2	12391		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs240469624	75692225	Nfe2l2	12416		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs218652579	75692224	Nfe2l2	12417		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs248125449	75692216	Nfe2l2	12425		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs238932953	75692178	Nfe2l2	12463		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs213599444	75692103	Nfe2l2	12538		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	T	T
rs263482071	75692045	Nfe2l2	12596		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs238050414	75691947	Nfe2l2	12694		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs217542350	75691905	Nfe2l2	12736		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs248100570	75691839	Nfe2l2	12802		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs225018335	75691795	Nfe2l2	12846		intron1	A/G	I	A																
rs212470148	75691785	Nfe2l2	12856		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs251851993	75691731	Nfe2l2	12910		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs225391967	75691546	Nfe2l2	13095		intron1	A/T	I	A															
rs247407311	75691539	Nfe2l2	13102		intron1	C del	I	C															
rs27978371	75691522	Nfe2l2	13119		intron1	C/G/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	G	T
rs27978372	75691510	Nfe2l2	13131		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A
rs248729212	75691509	Nfe2l2	13132		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs231456599	75691475	Nfe2l2	13166		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs259599891	75691430	Nfe2l2	13211		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs262868461	75691406-75691402	Nfe2l2	13225-13229		intron1	AAGTC del	I	AAGTC																
rs240535141	75691380	Nfe2l2	13261		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs218361012	75691316	Nfe2l2	13325		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C
rs248173890	75691263	Nfe2l2	13378		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs244082281	75691116	Nfe2l2	13525		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs223115925	75691014-75691013	Nfe2l2	13627-13628		intron1	T add	I	CT																
rs222008407	75690978	Nfe2l2	13663		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs259325225	75690963	Nfe2l2	13678		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs239769129	75690923	Nfe2l2	13718		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs223640822	75690918	Nfe2l2	13723		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs27978373	75690883	Nfe2l2	13758		intron1	A/T	I	A	A	A	A	A	A	A	T	A	A	A	A	A	A	T	T	T
rs27978374	75690785	Nfe2l2	13856		intron1	C/G	I	C	C	C	C	C	C	C	G	C	C	C	C	C	C	G	C	C
rs258639503	75690618-75690611	Nfe2l2	14023-14030		intron1	AAAAAAAA del	I	AAAAAAAA																
rs218737303	75690579-75690578	Nfe2l2	14062-14063		intron1	AAT add	I	AA																
rs231565560	75690578	Nfe2l2	14063		intron1	A del	I	A																
rs212131694	75690355	Nfe2l2	14286		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs107692572	75690309	Nfe2l2	14332		intron1	A/G	I	G	A	A	G	A	A	G	G	A	A	G	A	A	A	G	G	G
rs236558948	75690262	Nfe2l2	14379		intron1	G/T	I	G																
rs217547750	75690261	Nfe2l2	14380		intron1	A/T	I	T																
rs240808293	75690151-75690144	Nfe2l2	14490-14497		intron1	TGTTTGTT del	I	TGTTTGTT																
5s211754330	75690086	Nfe2l2	14555		intron1	T del	I	T																
rs27978375	75690058	Nfe2l2	14583		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs229449638	75690015	Nfe2l2	14626		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978376	75689979	Nfe2l2	14662		intron1	C/G	I	G	G	G	G	G	G	G	C	G	G	G	G	G	G	G	G	G
rs246483703	75689978	Nfe2l2	14663		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs224018168	75689970	Nfe2l2	14671		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs261246510	75689964	Nfe2l2	14677		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs246452329	75689947	Nfe2l2	14694		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs233476474	75689934	Nfe2l2	14707		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	C
rs265025739	75689927-75689925	Nfe2l2	14714		intron1	AC add	I	GA																
rs27978377	75689917	Nfe2l2	14724		intron1	A/C	I	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A
rs245096150	75689875	Nfe2l2	14766		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978378	75689874	Nfe2l2	14767		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C	C
rs254640525	75689731	Nfe2l2	14910		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs27978379	75689680	Nfe2l2	14961		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	T	T
rs218266298	75689621	Nfe2l2	15020		intron1	A/C	I	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A
rs259856667	75689615	Nfe2l2	15026		intron1	T del		T																
rs257944751	75689600	Nfe2l2	15041		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs238120833	75689491	Nfe2l2	15150		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs27978380	75689484	Nfe2l2	15157		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs257699286	75689445	Nfe2l2	15196		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs235456892	75689306	Nfe2l2	15335		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs211871995	75689259-75689258	Nfe2l2	15382-15383		intron1	TG add	I	CT																
rs27978381	75689220	Nfe2l2	15421		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	A
rs246534671	75689175	Nfe2l2	15466		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs242903958	75689158-75689157	Nfe2l2	15483-15484		intron1	GTAGCTCCATGAG add	I	AT																
rs224093477	75689145	Nfe2l2	15496		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	G
rs264522944	75689072	Nfe2l2	15569		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs251207380	75689038	Nfe2l2	15603		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs229770818	75688962	Nfe2l2	15679		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978382	75688892	Nfe2l2	15749		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs240489473	75688891	Nfe2l2	15750		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs223397427	75688862	Nfe2l2	15779		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs260519058	75688827	Nfe2l2	15814		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978383	75688826	Nfe2l2	15815		intron1	G/T	I	G	G	G	G	G	G	G	T	G	G	G	G	G	G	G	G	G	G
rs218323665	75688741	Nfe2l2	15900		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	A	G
rs262531027	75688720	Nfe2l2	15921		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs237008118	75688633-75688629	Nfe2l2	16008-16012		intron1	CACAA del	I	CACAA																
rs243264033	75688625	Nfe2l2	16016		intron1	C/G	I	C	C	C	C	C	C	C	G	C	C	C	C	C	C	C	C	C
rs225285756	75688562	Nfe2l2	16079		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs263298220	75688539	Nfe2l2	16102		intron1	G/T	I	T																
rs27978384	75688530	Nfe2l2	16111		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G	G	G
rs235506009	75688521	Nfe2l2	16120		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs222576029	75688485	Nfe2l2	16156		intron1	T del	I	T																
rs216967066	75688484	Nfe2l2	16157		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs249171752	75688443	Nfe2l2	16198		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs230212360	75688434	Nfe2l2	16207		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs211860287	75688427	Nfe2l2	16214		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	A
rs255977063	75688382	Nfe2l2	16259		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs229500580	75688355	Nfe2l2	16286		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs236656737	75688342-75688341	Nfe2l2	16299-16300		intron1	G add	I	TG																
rs234238255	75688285-75688284	Nfe2l2	16355-16356		intron1	G add	I	AA																
rs216769737	75688236	Nfe2l2	16405		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs246500082	75688226	Nfe2l2	16415		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs229208464	75688214	Nfe2l2	16427		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs29921147	75688206	Nfe2l2	16435		intron1	C/T	I	T	C	C	T	C	C	T	C	C	C	T	C	C	C	C	C	C
rs237960931	75688205	Nfe2l2	16436		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs227963693	75688175	Nfe2l2	16466		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs262877843	75688143	Nfe2l2	16498		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs246155572	75688108	Nfe2l2	16533		intron1	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	T	G	T
rs225089492	75688088	Nfe2l2	16553		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs218203558	75688046-75688045	Nfe2l2	16595-16596		intron1	T add	I	GT																
rs251298499	75688038	Nfe2l2	16603		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs241588688	75688024	Nfe2l2	16617		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs222301087	75688004	Nfe2l2	16637		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs215760764	75688009-75687991	Nfe2l2	16642-16660		intron1	TCACCAGGTCTTACGGCTT del	I	TCACCAGGTCTTACGGCTT																
rs249253594	75687972	Nfe2l2	16669		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs230276235	75687900	Nfe2l2	16741		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs27978385	75687887	Nfe2l2	16754		intron1	C/G	I	C	C	C	C	C	C	C	G	C	C	C	C	C	C	C	C	C
rs257687706	75687879	Nfe2l2	16762		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs237771825	75687870	Nfe2l2	16771		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs259393135	75687843-75687842	Nfe2l2	16798-16799		intron1	TAG add	I	TT																
rs216360636	75687824	Nfe2l2	16817		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs246170119	75687768	Nfe2l2	16873		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	A	G
rs219258971	75687764	Nfe2l2	16877		intron1	A del	I	A																
rs251636391	75687698-75687696	Nfe2l2	16943-16945		intron1	TTG del	I	TTG																
rs262585959	756876965-75687695	Nfe2l2	16945-16946		intron1	TTGTTG add	I	TT																
rs228911769	75687677	Nfe2l2	16964		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs27978386	75687605	Nfe2l2	17036		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A
rs244238284	75687600	Nfe2l2	17041		intron1	A/C	I	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A
rs27978387	75687599	Nfe2l2	17042		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs27978388	75687544	Nfe2l2	17097		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs217411560	75687542-75687533	Nfe2l2	17099-17108		intron1	CACATGGGAA del	I	CACATGGGAA																
rs242917439	75687486	Nfe2l2	17155		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs256353471	75687476	Nfe2l2	17165		intron1	C del		C																
rs233323092	75687423	Nfe2l2	17218		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs257385269	75687421	Nfe2l2	17220		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs241655620	75687410	Nfe2l2	17231		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978389	75687364	Nfe2l2	17277		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs255005538	75687285	Nfe2l2	17356		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs27978390	75687218	Nfe2l2	17423		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs27978391	75687201	Nfe2l2	17440		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A	A
rs262159183	75687176	Nfe2l2	17465		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs27978392	75687133	Nfe2l2	17508		intron1	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	T	G	T
rs260241376	75687102	Nfe2l2	17539		intron1	C del	I	C																
rs241531799	75687098-75687088	Nfe2l2	17543-17553		intron1	AGCCACTAAGT del	I	AGCCACTAAGT																
rs27978393	75687089	Nfe2l2	17552		intron1	C/G	I	G																
rs27978394	75687074	Nfe2l2	17567		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs252576568	75687022	Nfe2l2	17619		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	A
rs236094953	75687021	Nfe2l2	17620		intron1	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	G	G	T
rs234919878	75686927	Nfe2l2	17714		intron1	A del	I	A																
rs33657301	75686766	Nfe2l2	17875		intron1	C/T	I	T	C	C	T	C	C	T	T	C	C	T	C	T	C	T	T	T
rs6291081	75686739	Nfe2l2	17902		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A
rs237257955	75686729-75686728	Nfe2l2	17912-17913		intron1	GGT add	I	GG																
rs250065181	75686726	Nfe2l2	17915		intron1	G del	I	G																
rs246201446	75686726-75686725	Nfe2l2	17915-17916		intron1	GGGG add	I	TG																
rs6290579	75686681	Nfe2l2	17960		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	G	A
rs236195686	75686630	Nfe2l2	18011		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs6289911	75686506	Nfe2l2	18135		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T	T
rs6289504	75686497	Nfe2l2	18144		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	T	A
rs6289492	75686488	Nfe2l2	18153		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs257457265	75686450	Nfe2l2	18191		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs247603873	75686394	Nfe2l2	18247		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs29963020	75686363	Nfe2l2	18278		intron1	A/G	I	A	G	G	A	G	G	A	G	G	G	A	G	G	G	A	G	G
rs27978395	75686356	Nfe2l2	18285		intron1	A/G	I	G	A	A	G	A	A	G	A	A	A	G	A	A	A	G	G	A
rs241220935	75686349	Nfe2l2	18292		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs223623711	75686347	Nfe2l2	18294		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs262547165	75686321	Nfe2l2	18320		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs249506237	75686294	Nfe2l2	18347		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs221242453	75686269	Nfe2l2	18372		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs27978396	75686196	Nfe2l2	18445		intron1	C/G	I	G																
rs263951189	75686194-75686193	Nfe2l2	18447-18448		intron1	CA add	I	TC																
rs252619336	75686142	Nfe2l2	18499		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978397	75686131	Nfe2l2	18510		intron1	G/T	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G	G
rs27978398	75686130	Nfe2l2	18511		intron1	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	T	T	C	C	T
rs27978399	75686107	Nfe2l2	18534		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs234289601	75686047	Nfe2l2	18594		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs27978400	75686020	Nfe2l2	18621		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G	G	G
rs250663244	75685898	Nfe2l2	18743		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs27978401	75685785	Nfe2l2	18856		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs215062303	75685744	Nfe2l2	18897		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978402	75685668	Nfe2l2	18973		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	T	C
rs27978403	75685644	Nfe2l2	18997		intron1	C/T	I	C																
rs228658200	75685574	Nfe2l2	19067		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs254740588	75685568	Nfe2l2	19073		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs252770560	75685551	Nfe2l2	19090		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978404	75685507	Nfe2l2	19134		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	A
rs265179807	75685504	Nfe2l2	19137		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978405	75685454	Nfe2l2	19187		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	T	C
rs27978406	75685447	Nfe2l2	19194		intron1	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	T	T	T
rs261488043	75685354	Nfe2l2	19287		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs242223826	75685345	Nfe2l2	19296		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978407	75685330	Nfe2l2	19311		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C	C	C
rs27978408	75685263	Nfe2l2	19378		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A	A	A
rs243646204	75685219	Nfe2l2	19422		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	T	T
rs223008439	75684985	Nfe2l2	19656		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978409	75684829	Nfe2l2	19812		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	T	C
rs233552476	75684808	Nfe2l2	19833		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978410	75684768	Nfe2l2	19873		intron1	A/G	I	A	G	G	A	G	G	A	A	G	G	A	G	G	G	G	G	G
rs232536970	75684771-75684766	Nfe2l2	19876-19881		intron1	GAAGGA del	I	GAAGGA																
rs253088076	75684670	Nfe2l2	19971		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs220539340	75684680-75684666	Nfe2l2	19981-19995		intron1	TGCCTAAGTATTTTT del	I	TGCCTAAGTATTTTT																
rs223272915	75684593-75684592	Nfe2l2	20048-20049		intron1	A add	I	CC																
rs27978411	75684559	Nfe2l2	20082		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	A
rs213492116	75684550	Nfe2l2	20091		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs249243149	75684540	Nfe2l2	20101		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs231310013	75684537	Nfe2l2	20104		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G	G
rs213860116	75684509	Nfe2l2	20132		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C	C
rs258282522	75684413	Nfe2l2	20228		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs227740832	75684382	Nfe2l2	20259		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A
rs246641702	75684365	Nfe2l2	20276		intron1	A del	I	A																
rs27978412	75684333	Nfe2l2	20308		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	T	T
rs242285058	75684321	Nfe2l2	20320		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs215035587	75684303-75684302	Nfe2l2	20338-20339		intron1	AAAAA add	I	CA																
rs27978413	75684276	Nfe2l2	20365		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs264812265	75684213	Nfe2l2	20428		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs240899800	75684181	Nfe2l2	20460		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs222806418	75684034	Nfe2l2	20607		intron1	A/C/G	I	G	G	G	G	G	G	G	C	G	G	G	G	G	G	G	A	G
rs256771833	75683993	Nfe2l2	20648		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs239663884	75683894	Nfe2l2	20747		intron1	G/T	I	T																
rs257753830	75683894	Nfe2l2	20747		intron1	T del	I	T																
rs218082599	75683893	Nfe2l2	20748		intron1	G/T	I	G																
rs220746248	75683892	Nfe2l2	20749		intron1	G/T	I	G																
rs263505398	75683892-75683891	Nfe2l2	20749-20750		intron1	TG del	I	TG																
rs235365209	75683892-75683884	Nfe2l2	20749-20757		intron1	TTTTTTTTG del	I	TTTTTTTTG																
rs253138419	75683876	Nfe2l2	20765		intron1	G/T	I	T																
rs244355406	75683874-75683869	Nfe2l2	20767		intron1	TTTTTT del	I	TTTTTT																
rs234208943	75683818	Nfe2l2	20823		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs212690251	75683653	Nfe2l2	20988		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs261069701	75683574	Nfe2l2	21067		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs237174768	75683543	Nfe2l2	21098		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs214351399	75683541	Nfe2l2	21100		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs247325037	75683512	Nfe2l2	21129		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs233974636	75683511	Nfe2l2	21130		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs217804255	75683501	Nfe2l2	21140		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978414	75683485	Nfe2l2	21156		intron1	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	C	T	C	C	C
rs225276876	75683451	Nfe2l2	21190		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs219519006	75683424-75683421	Nfe2l2	21217-21220		intron1	GGTA del	I	GGTA																
rs262319437	75683346-75683345	Nfe2l2	21295-21296		intron1	GG add	I	CG																
rs232690739	75683337-75683336	Nfe2l2	21304-21305		intron1	AC del	I	AC																
rs261677569	75683307	Nfe2l2	21334		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs256546172	75683291	Nfe2l2	21350		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978415	75683284	Nfe2l2	21357		intron1	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs27978416	75683271	Nfe2l2	21370		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C
rs239721304	75683236	Nfe2l2	21405		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs220440401	75683214	Nfe2l2	21427		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978417	75683187	Nfe2l2	21454		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C	C
rs27978418	75683181	Nfe2l2	21460		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C	C	C
rs220980711	75683136	Nfe2l2	21505		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs255387847	75683125	Nfe2l2	21516		intron1	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs238894116	75683047	Nfe2l2	21594		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs225062191	75683039	Nfe2l2	21602		intron1	A/G	I	A																
rs27978419	75683036	Nfe2l2	21605		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G	G
rs27978420	75682955	Nfe2l2	21686		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A
rs234059247	75682946	Nfe2l2	21695		intron1	G/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	G	T
rs228940386	75682904-75682903	Nfe2l2	21737-21738		intron1	GT del	I	GT																
rs217482709	75682811	Nfe2l2	21830		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs248417948	75682718	Nfe2l2	21923		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs235798440	75682688	Nfe2l2	21953		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs212667806	75682659	Nfe2l2	21982		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A
rs33331598	75682634	Nfe2l2	22007		intron1	A/T	I	A	T	T	A	T	T	A	A	T	T	A	T	A	T	T	A	A
rs29674908	75682633	Nfe2l2	22008		intron1	A/T	I	A	T	T	A	T	T	A	A	T	T	A	T	T	T	T	A	A
rs218520528	75682625	Nfe2l2	22016		intron1	G del	I	G																
rs33392658	75682625	Nfe2l2	22016		intron1	G/T	I	G	T	T	G	T	T	G	G	T	T	G	T	T	T	T	T	G
rs33069533	75682582	Nfe2l2	22059		intron1	A/G	I	A	G	G	A	G	G	A	G	G	G	A	G	G	G	G	G	A
rs226574641	75682515	Nfe2l2	22126		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs247845240	75682419-75682418	Nfe2l2	22222-22223		intron1	TA del	I	TA																
rs263152656	75682405-75682403	Nfe2l2	22236-22238		intron1	TTT del	I	TTT																
rs249354677	75682403-75682402	Nfe2l2	22238-22239		intron1	TTTTT add	I	CT																
rs229062009	75682384-75682383	Nfe2l2	22257-22258		intron1	C add	I	TC																
rs259536965	75682374	Nfe2l2	22267		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A
rs232802991	75682354	Nfe2l2	22287		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G
rs254858925	75682337-75682336	Nfe2l2	22304-22305		intron1	T add	I	AT																
rs32935671	75682302	Nfe2l2	22339		intron1	A/C	I	C	A	A	C	A	A	C	C	A	A	C	A	C	A	C	C	C
rs264637599	75682282	Nfe2l2	22359		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs219603117	75682234-75682233	Nfe2l2	22407-22408		intron1	T add	I	AT																
rs32858611	75682191	Nfe2l2	22450		intron1	A/G	I	A	G	G	A	G	G	A	G	G	G	A	G	G	G	G	G	G
rs221938247	75682093	Nfe2l2	22548		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs219190709	75681989-75681988	Nfe2l2	22652-22653		intron1	TTTA add	I	TA																
rs231775532	75681977-75681976	Nfe2l2	22664-22665		intron1	TTTTTTTT add	I	CT																
rs253805492	75681925	Nfe2l2	22716		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs234151932	75681904	Nfe2l2	22737		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978421	75681886	Nfe2l2	22755		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A
rs27978422	75681849	Nfe2l2	22792		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs218555017	75681814-75681812	Nfe2l2	22827-22829		intron1	TAG del	I	TAG																
rs237320475	75681786	Nfe2l2	22855		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs212421595	75681785	Nfe2l2	22856		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs262651526	75681771	Nfe2l2	22870		intron1	A/C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	A	T
rs253619508	75681713-75681703	Nfe2l2	22928-22938		intron1	AAAAAGTAAAA del	I	AAAAAGTAAAA																
rs243753654	75681635-75681620	Nfe2l2	23006-23021		intron1	ACACACACACACAC del	I	ACACACACACACAC																
rs52263804	75681580	Nfe2l2	23061		intron1	C/T	I	T	C	C	T	C	C	T	T	C	C	T	C	T	C	T	T	T
rs216180461	75681542	Nfe2l2	23099		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs245473635	75681540	Nfe2l2	23101		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978423	75681459	Nfe2l2	23182		intron1	A/G/T	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	T	A	A
rs27978424	75681420	Nfe2l2	23221		intron1	C/T	I	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs253643368	75681402	Nfe2l2	23239		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978425	75681399	Nfe2l2	23242		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs254672551	75681365-75681364	Nfe2l2	23276-23277		intron1	C add	I	TC																
rs33117644	75681306	Nfe2l2	23335		intron1	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	T	T	C	C	C
rs243356759	75681242-75681238	Nfe2l2	23399-23403		intron1	TGGGT del	I	TGGGT																
rs246830545	75681170	Nfe2l2	23471		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs225685586	75681123	Nfe2l2	23518		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs259796141	75681073	Nfe2l2	23568		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs240359404	75681058	Nfe2l2	23583		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C
rs224404301	75681025-75681026	Nfe2l2	23616-23617		intron1	TT del	I	TT																
rs223639296	75680973	Nfe2l2	23668		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978426	75680965	Nfe2l2	23676		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C	C	C
rs27978427	75680962	Nfe2l2	23679		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs220186933	75680959	Nfe2l2	23682		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs258265207	75680955	Nfe2l2	23686		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs27978428	75680920	Nfe2l2	23721		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A	G
rs216239109	75680838	Nfe2l2	23803		intron1	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	A
rs251491229	75680806	Nfe2l2	23835		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs235405984	75680790	Nfe2l2	23851		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	T	C
rs217182304	75680786	Nfe2l2	23855		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	T
rs258936346	75680771	Nfe2l2	23870		intron1	A/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs27978429	75680657	Nfe2l2	23984		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs211759178	75680648	Nfe2l2	23993		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs251129306	75680535	Nfe2l2	24106		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs27978430	75680531	Nfe2l2	24110		intron1	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	T	T	C	C	C
rs27978431	75680379	Nfe2l2	24262		intron1	A/T	I	A	T	T	A	T	T	A	T	T	T	A	T	A	T	T	T	T
rs27978432	75680340	Nfe2l2	24301		intron1	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs229099039	75680317	Nfe2l2	24324		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs264128136	75680215	Nfe2l2	24426		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs245222883	75680214	Nfe2l2	24427		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs220566279	75680155	Nfe2l2	24486		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs262495243	75680125	Nfe2l2	24516		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs243198614	75680033	Nfe2l2	24608		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs221698110	75680013	Nfe2l2	24628		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs251546337	75679986	Nfe2l2	24655		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	A	G
rs220372806	75679977-75679967	Nfe2l2	24664-24674		intron1	CAAATAAAAAA del	I	CAAATAAAAAA																
rs235456838	75679968	Nfe2l2	24673		intron1	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs222177937	75679966	Nfe2l2	24675		intron1	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs27978433	75679945	Nfe2l2	24696		intron1	C/T	I	T	C	C	T	C	C	T	T	C	C	T	C	T	C	T	T	T
rs236978645	75679909	Nfe2l2	24732		intron1	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C
rs216777294	75679899-75679898	Nfe2l2	24742-24743		intron1	AG del	I	AG																
rs257522941	75679887-75679884	Nfe2l2	24754-24757		intron1	CCCG del	I	CCCG																
rs252158258	75679887-75679883	Nfe2l2	24754-24758		intron1	CCCCG del	I	CCCCG																
rs261072869	75679887-75679881	Nfe2l2	24754-24760		intron1	CCCCCCG del	I	CCCCCCG																
rs211801942	75679876	Nfe2l2	24765		intron1	C/G	I	C																
rs249628159	75679876-75679875	Nfe2l2	24765-24767		intron1	CC del	I	CC																
rs255894738	75679858	Nfe2l2	24783		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs231235581	75679843	Nfe2l2	24798		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs215914381	75679808	Nfe2l2	24833		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs253915353	75679707	Nfe2l2	24934		intron1	T del	I	T																
rs246427849	75679705	Nfe2l2	24936		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs250359732	75679705-75679704	Nfe2l2	24936-24937		intron1	T add	I	CC																
rs229152145	75679703	Nfe2l2	24938		intron1	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs218274481	75679698-75679697	Nfe2l2	24943-24944		intron1	C add	I	TC																
rs265891073	75679697	Nfe2l2	24944		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	T
rs249724035	75679639	Nfe2l2	25002		intron1	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs27978434	75679636	Nfe2l2	25005		intron1	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G	G	G
rs262846659	75679627	Nfe2l2	25014		intron1	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978435	75679598	Nfe2l2	25043		intron1	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs13460861	75679262	Nfe2l2	25379	446	exon2	A/G	Cns F71L	A	G	G	A	G	G	A	G	G	G	A	G	A	G	G	G	G
rs13460859	75679202	Nfe2l2	25439	506	exon2	C/T	Cs H91H	G	A	A	G	A	A	G	G	A	A	G	A	G	A	G	G	G
rs27978436	75679187	Nfe2l2	25454	521	exon2	G/A*	Cs T96=	G	G	G	G	G	G	G	A	G	G	G	G	G	G	A	G	G
rs226131070	75679178	Nfe2l2	25463	530	exon2	A/G	Cs S99=	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978437	75679151	Nfe2l2	25490		intron2	C/G	I	C	C	C	C	C	C	C	G	C	C	C	C	C	C	G	G	C
rs234919466	75679141	Nfe2l2	25500		intron2	A/G	I	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs27978438	75679104	Nfe2l2	25537		intron2	A/C	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	A	C
rs257621708	75679101	Nfe2l2	25540		intron2	C/G	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C
rs108910930	75679064	Nfe2l2	25577		intron2	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	C	C
rs259195219	75679061-75979059	Nfe2l2	25580-25582		intron2	CTC del	I	CTC																
rs215602300	75679044	Nfe2l2	25597		intron2	G/T	I	G	G	G	G	G	G	G	T	G	G	G	G	G	G	T	T	G
rs27978439	75678977	Nfe2l2	25664		intron2	A/C	I	A	A	A	A	A	A	A	C	A	A	A	A	A	A	C	C	A
rs27978440	75678965	Nfe2l2	25676		intron2	C/T	I	T	C	C	T	C	C	T	C	C	C	T	C	T	C	C	C	C
rs217925599	75678887	Nfe2l2	25754		intron2	C/T	I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs27978441	75678826	Nfe2l2	25815		intron2	A/G	I	G	A	A	G	A	A	G	A	A	A	G	A	G	A	A	G	G
rs254710041	75678807-75678804	Nfe2l2	25834-25837		intron2	TTTC del	I	TTTC																
rs227483570	75678798	Nfe2l2	25843		intron2	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs258979414	75678747	Nfe2l2	25894		intron2	C/T		C																
rs258691522	75678715-75678714	Nfe2l2	25926-25927		intron2	TTAC add	I	AT																
rs27978442	75678677	Nfe2l2	25964		intron2	C/T	I	T	C	C	T	C	C	T	C	C	C	T	C	C	C	C	C	C
rs27978443	75678639	Nfe2l2	26002		intron2	A/G	I	A	A	A	A	A	A	A	G	A	A	A	A	A	A	G	G	A
rs227683834	75678576	Nfe2l2	26065	547	exon2	A/T	Cns V105D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A
rs257321187	75678506	Nfe2l2	26135	617	exon2	C/T	Cs P128=	T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	T	T
rs27978444	75678500	Nfe2l2	26141	623	exon2	A/T	Cs V130=	T	T	T	T	T	T	T	A	T	T	T	T	T	T	A	T	T
rs27978445	75678465	Nfe2l2	26176		intron3	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	C	C

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs256294642	75678386-75678385	Nfe2l2	24255-24256		intron3	T add	I	AT																
rs27978446	75678346	Nfe2l2	26295		intron3	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A	A	A
rs244398374	75678272	Nfe2l2	26369		intron3	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	T	C	T	C	C
rs220047705	75678130	Nfe2l2	26511		intron3	T del		T																
rs239003075	75678130-75678129	Nfe2l2	26511-26512		intron3	TTTT add		AT																
rs223748107	75678129	Nfe2l2	26512		intron3	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	T	A	A	A	A
rs242153116	75678129	Nfe2l2	26512		intron3	A del		A																
rs251839690	75678121	Nfe2l2	26520		intron3	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs29502945	75678047	Nfe2l2	26594		intron3	C/T	I	C	T	T	C	T	T	C	C	T	T	C	T	C	T	C	C	C
rs237817856	75678045-75678044	Nfe2l2	26596-26597		intron3	TAC add		AT																
rs14620377	75677988	Nfe2l2	26653		intron3	T del		T																
rs221540999	75677962	Nfe2l2	26679		intron3	A/G	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978447	75677902	Nfe2l2	26739		intron3	C/T	I	C	C	C	C	C	C	C	T	C	C	C	C	C	C	T	T	C
rs236044343	75677793	Nfe2l2	26848		intron3	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs27978448	75677781	Nfe2l2	26860		intron3	A/T	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	T	A
rs27978449	75677770	Nfe2l2	26871		intron3	A/G	I	A	G	G	A	G	G	A	G	G	G	A	G	G	G	G	G	G
rs236117794	75677761	Nfe2l2	26880		intron3	G/T	I	T	T	T	T	T	T	T	G	T	T	T	T	T	T	T	T	T
rs214621680	75677733	Nfe2l2	26908		intron3	C/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs27978450	75677721	Nfe2l2	26920		intron3	C/T	I	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs227743136	75677686	Nfe2l2	26955	662	exon4	A/G	Cs H143=	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs215327202	75677664	Nfe2l2	26977	684	exon4	C/G	Cns A151P	C	C	C	C	C	C	C	G	C	C	C	C	C	C	C	C	C
rs247539755	75677663	Nfe2l2	26978	685	exon4	A/G	Cns A151V	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs233164668	75677640	Nfe2l2	27001	708	exon4	C/T	Cns N159D	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs27978451	75677437	Nfe2l2	27204		intron4	A/G	I	G	A	A	G	A	A	G	G	A	A	G	A	G	A	G	G	G
rs241652525	75677244	Nfe2l2	27397		intron4	A/C	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs231556518	75677189	Nfe2l2	27452		intron4	A/G	I	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs234095816	75677162-75677160	Nfe2l2	27479-27481	826-828	exon5	GCT del	Cds-indel (Q198)	GCT																
rs27978452	75677145	Nfe2l2	27496	843	exon5	C/T	Cns A204T	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T
rs225047937	75677086-75677078	Nfe2l2	27555-27563	902-908	exon5	GAGATCGAT del	Cds-indel (S223)	GAGATCGAT																
rs241469868	75676998	Nfe2l2	27643	990	exon5	A/T	Cn T253S	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs221602571	75676923	Nfe2l2	27718	1065	exon5	A/C	Cns S278A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs252576472	75676876	Nfe2l2	27765	1112	exon5	A/G	Cs S293=	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs250802933	75676841	Nfe2l2	27800	1147	exon5	C/T	Cns D305G	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs225425698	75676792	Nfe2l2	27849	1196	exon5	C/T	Cs P321=	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs13459064	75676732	Nfe2l2	27909	1256	exon5	C/T	Cs T341=	C	T	T	C	T	T	C	T	T	T	C	T	C	T	T	C	C
rs27978453	75676717	Nfe2l2	27924	1271	exon5	C/T	Cs A346=	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs214335034	75676636	Nfe2l2	28005	1352	exon5	A/G	Cs D373=	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs249583644	75676603	Nfe2l2	28038	1385	exon5	A/C	Cs P384=	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A
rs27978454	75676592	Nfe2l2	28049	1396	exon5	A/G	Cns P388L	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs215384328	75676589	Nfe2l2	28052	1399	exon5	C/G	Cns A389G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs251728286	75676571	Nfe2l2	28070	1417	exon5	A/G	Cns T395I	G																
rs247602334	75676567	Nfe2l2	28074	1421	exon5	C/T	Cs V396=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs234216231	75676530	Nfe2l2	28111	1458	exon5	C/T	Cns M409V	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs212904337	75676526	Nfe2l2	28115	1462	exon5	C/T	Cns R410H	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs252650779	75676522	Nfe2l2	28119	1466	exon5	C/T	Cs E411=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs231273560	75676516	Nfe2l2	28125	1472	exon5	C/T	Cs Q413=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs257886949	75676413	Nfe2l2	28228	1575	exon5	G/T	Cs R448=	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs241537608	75676404	Nfe2l2	28237	1584	exon5	C/G	Cns L451V	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs227619071	75676312	Nfe2l2	28329	1676	exon5	C/T	Cs Q481=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs258913831	75676290	Nfe2l2	28351	1698	exon5	A/G	Cs L489=	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs225593319	75676126	Nfe2l2	28515	1862	exon5	A/T	Cns H543Q	A																
rs4223233	75676105	Nfe2l2	28536	1883	exon5	A/G	Cs S550=	G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs4223232	75676032	Nfe2l2	28609	1956	exon5	G/T	Cns L575M	G																
rs4223231	75675816	Nfe2l2	28825	2172	UTR-3	C/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	C	G
rs1346860	75675682	Nfe2l2	28959	2306	UTR-3	A/T		A																
rs261783170	75675500		19		3'flanking	A/T		A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A	A
rs243572591	75675499		20		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs220033230	75675486		33		3'flanking	G/T		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	T	G
rs249647265	75675455		64		3'flanking	C/T		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs233494850	75675392		127		3'flanking	C/G/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs216601494	75675386-75675385		133-134		3'flanking	CTGC add		AC																
rs220635722	75675382		137		3'flanking	A/T		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	A	T
rs264343181	75675367		152		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C

ID	Ch2 bp Location	Gene	Distance (gene)	Distance (mRNA)	Region	Alleles (genome)	Consequence	C57BL/6J	129S1/SvImJ	A/J	AKR/J	BALB/cJ	C3H/HeJ	C57BL/6NJ	CAST/EiJ	CBA/J	DBA/2J	FVB/NJ	LP/J	NOD/ShiLtJ	NZO/HlLtJ	PWK/PhJ	SPRET/EiJ	WSB/EiJ
rs239674834	75675342		177		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs213419141	75675334		185		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	T	C
rs249190426	75675331		188		3'flanking	A/G		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs232907814	75675324		195		3'flanking	G/T		G	G	G	G	G	G	G	G	G	G	G	G	T	G	G	G	G
rs214021885	75675323		196		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs48178164	75675303		216		3'flanking	A/G		A	G	G	A	G	G	A	G	G	G	A	G	G	G	G	G	G
rs227681967	75675294		225		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs261486797	75675285		234		3'flanking	G/T		T	T	T	T	T	T	T	G	T	T	T	T	T	T	G	T	T
rs259443848	75675278		241		3'flanking	A/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs232922866	75675264		255		3'flanking	C/T		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs264795377	75675263		256		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs240835090	75675187		332		3'flanking	A/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs219770048	75675183		336		3'flanking	A/G		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs265363464	75675114		405		3'flanking	C del		C																
rs255005507	75675103		416		3'flanking	G/T		G																
rs33428762	75675093		426		3'flanking	A/T		T	A	A	T	A	A	T	T	A	A	T	A	A	A	T	T	A
rs239999563	75674955		564		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs220693620	75674944		575		3'flanking	C/T		T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T	T
rs260798971	75674892		627		3'flanking	A/C		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C
rs241893311	75674886		633		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978455	75674852		667		3'flanking	A/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G	G
rs261018791	75674803		716		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs27978456	75674741		778		3'flanking	C/T		C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	T	C
rs213718140	75674715		804		3'flanking	A/C		A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A
rs247267701	75674707		812		3'flanking	A/G		A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	A
rs32940094	75674558		961		3'flanking	A/G		G	A	A	G	A	A	G	G	A	A	G	A	A	A	G	G	A
rs229553908	75674504		1015		3'flanking	A/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs261847312	75674488		1031		3'flanking	A/G		A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	A	A
rs27978457	75674452		1067		3'flanking	A/T		A	A	A	A	A	A	A	T	A	A	A	A	A	A	A	T	A
rs255074765	75674352		1167		3'flanking	A/C		A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A
rs226837531	75674343		1176		3'flanking	C/T		C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs266125361	75674318		1201		3'flanking	A/G		A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A	A
rs247345565	75674238		1281		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C
rs220900392	75674222		1297		3'flanking	C/T		C	C	C	C	C	C	C	T	C	C	C	C	C	C	C	C	C
rs255704871	75674195		1324		3'flanking	A/G		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	G	A
rs27978458	75674158		1361		3'flanking	C/T		C	T	T	C	T	T	C	C	T	T	C	T	T	T	C	C	T
rs27978459	75674098		1421		3'flanking	C/T		T	C	C	T	C	C	T	C	C	C	T	C	C	C	C	C	C
rs29717614	75674091		1428		3'flanking	C/T		C	T	T	C	T	T	C	T	T	T	C	T	T	T	T	T	T
rs233974698	75674088		1431		3'flanking	C/T		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	T
rs219797696	75674026		1493		3'flanking	C/T		T	T	T	T	T	T	T	C	T	T	T	T	T	T	T	C	T
rs27978460	75674006		1513		3'flanking	C/T		T	T	T	T	T	T	T	C	T	T	T	T	T	T	C	C	T
rs27978461	75673995		1524		3'flanking	G/T		T	T	T	T	T	T	T	G	T	T	T	T	T	T	G	G	T
rs212589942	75673978		1541		3'flanking	A/T		A	A	A	A	A	A	A	T	A	A	A	A	A	A	T	T	A
rs27978462	75673968		1551		3'flanking	A/G		A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	G	A
rs27978463	75673849		1670		3'flanking	A/G		A	A	A	A	A	A	A	G	A	A	A	A	A	A	A	G	A
rs27978464	75673846		1673		3'flanking	A/T		T	T	T	T	T	T	T	A	T	T	T	T	T	T	A	A	T
rs27978465	75673640		1879		3'flanking	A/G		G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs27978466	75673591		1928		3'flanking	A/C		C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C	C
rs264435069	75673581		1938		3'flanking	A/G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	A	G
rs27978467	75673572		1947		3'flanking	A/G		G	G	G	G	G	G	G	A	G	G	G	G	G	G	G	G	G
rs27993468	75673571		1948		3'flanking	C/T		C	C	C	C	C	C	C	C	C	C	C	C	C	C	T	C	C
rs264610028	75673539		1980		3'flanking	A/T		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	A

Cobmined database from MPD and NCBI dbSNP as of 1-18-2013.

Sequence location reference: Mus musculus strain C57BL/6J chromosome 2, GRCm38.p1 C57BL/6J, NCBI Reference Sequence: NM_010902.3.

*Error in dbSNP fixed.