Exons/ Introns	Translated sequence	Flanking sequence	Intron sequence	UTR
Variants	Missense	Stop gained	Synonymous	
Markup	loaded			

No.	Exon / Intron	Start	End	Start Phase	End Phase	Length	Sequence
	5' upstream sequence						.....tgatttcaccagtttttaacccatcatatgtttgggtttcttctccccag
1	ENSE00003544548	146,144,804	146,144,595	-	1	210	TCCCTGACTCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTGGT CCAGTGAGAAGGCAGAGATGAACATTCTAGAAAT AACGAGACATTGCGCCCCCAGCTGG CAGAGAAGAAACAG AGTTCAGAAGCCTCAAA AGAAATGTTTTCTAACTCAACTGGCCG GCTTCCTGGCCAAC GACAGAAGAAATACA
	Intron 1-2	146,144,594	146,142,753			1,842	gtaagatctataggctcaccatcat.....ggcaggcgtgtctgtctttttcag
2	ENSE00003690924	146,142,752	146,142,650	1	2	103	AGTATGAA AG GTAAAGACCTCATAAAATTTATGCTGAGGAATGAG GACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAG AGCTCAG
	Intron 2-3	146,142,649	146,141,819			831	gtgaggggacccatagggggaggc.....aattttctctaccgtctcaccttag
3	ENSE00003577608	146,141,818	146,141,604	2	1	215	GCAATA AAAGTCCTAGTTCACTCTCAGGAA GAGAGCTGACCCAGCTAAGGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGTA GAGCATCTCC GGCCCTCCTCACTCC GGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTG AG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 3-4	146,141,603	146,140,557			1,047	gtaaggtggccataggccctgatga.....ctgaacgaacattttgtatttctag
4	ENSE00003605653	146,140,556	146,140,484	1	2	73	AAAATGACGAAGATGAGGATGAAGATGTTCAAGTTGAG AGGCTGAGAAAGTACTGGAAT CATCTGCCCC AG
	Intron 4-5	146,140,483	146,140,021			463	gtaacactgaatactcaggagcaag.....atctctgtcccacctggctcatcag
5	ENSE00003472278	146,140,020	146,139,809	2	1	212	GGAGGTGCAGAAGGCTGAAGAGAGCAAAGTCCCTGAGG CTCACTGGAGGAATGTGCCAT CACTTGTT AAATAGCCACGGCC TTGTGACTC AACCAGCCTCACAAGAACATCAAAAT CACATTTGAGGAAGACGAAGTCAACTCAACTCTGGTTGTAGAC AGAATCCTCTCATGA TGAATGTCAGGATGCTCTAAACATTCTCCCAG
	Intron 5-6	146,139,808	146,138,446			1,363	gtagcctctattttccttgtgtctc.....atgtgtttgcctttctttctccccag
6	ENSE00003669623	146,138,445	146,138,236	1	1	210	TCCCTGGCCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGT CCAGCGAGAAGGCAGAGATGAACATTCTAGAAATCAATGAGAAATTGCGCCCCCAGCTGG CAGAGAAGAAACAGCAGTTCAGAAACCTCAAA GAAATGTTTTCTAACTCAACTGTCCG GCTTCCTGGCCAACCAACAGAAGAAATACA
	Intron 6-7	146,138,235	146,136,456			1,780	gtaagatctataggctcaccatcat.....ggcaggtgtgtctgtcttttctcag
7	ENSE00003685758	146,136,455	146,136,353	1	2	103	AATATGAAGAGTGCAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTCAAGCAAGCTGAGGAGCTCAG
	Intron 7-8	146,136,352	146,135,522			831	gtgaggggacccatgggggcaggc.....aattttctctaccgtctcaccttag
8	ENSE00003517572	146,135,521	146,135,307	2	1	215	GCAATATAAAGTCCTGGTTCACGCTCAGGAA GAGAGCTGACCCAGTTAAAGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCC GTATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 8-9	146,135,306	146,134,266			1,041	gtaaggtggccataggccctgatga.....tgaacgaacacttctgtatttgcag
9	ENSE00003528013	146,134,265	146,134,193	1	2	73	AAAATGACAACGATGACGATGAAGATGTTCAAGTTGAGGTGGCTGAGAAAGTGCAGAAAT CATCTGCCCC AG
	Intron 9-10	146,134,192	146,133,729			464	gtaacactgaatactcaggaacaat.....atctctgtcccacctggctcatcag
10	ENSE00003685309	146,133,728	146,133,523	2	1	206	GGAGATGCAGAAGGCTGAAGAAAAGGAAGTCCCTGAGGACTCACTGGAGGAATGTGCCAT CACTTATTCAAATAGCCATGGCTCTTATGACTCCAACCAGCCACATAGGAAAACCAAAAT CACATTTGAGGAAGACAAAGTCGACTCAACTCTCATTGGCTCATCCTCTC .... GTACACATTATTCCAG
	Intron 10-11	146,133,522	146,132,238			1,285	gtagcctctgttttccttgtgtctc.....cctgcttctctgaatttatttacag
11	ENSE00003474136	146,132,237	146,132,186	1	2	52	AAAATGAAAGTGATGATGAGGAAGAGGAAGAAAAAGGGCCAGTGTCTCCCAG
	Intron 11-12	146,132,185	146,128,283			3,903	gtaatgttgtggaattgttggctgt.....atccctgtcctggctggctcatcag
12	ENSE00003498311	146,128,282	146,128,119	2	1	164	GAATCTGCAGGAGTCTGAAGAGGAGGAAGTCCCCCAGGAGTCCTGGGATGAAGGTTATTC GACTCTCTCAATTCCTCCTGAAATGTTGGCCTCGTACCAGTCTTACAGCAGCACATTTCA CTCATTAGAGGAACAGCAAGTCTGCATGGCTGTTGACATAGGCA
	Intron 12-13	146,128,118	146,127,080			1,039	gtgagtactccattgtgaaggtgat.....agggcacatctgaatttatttgcag
13	ENSE00003682172	146,127,079	146,127,028	1	2	52	GACATCGGTGGGATCAAGTGAAAAAGGAGGACCAAGAGGCAACAGGTCCCAG
	Intron 13-14	146,127,027	146,126,409			619	gtgagtctgagaaattgtggacagt.....tctttactttttcctactttttccac
14	ENSE00003695737	146,126,408	146,126,236	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACAGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGCGTGTTGGCTTGGCTATTGACATGGATG
	Intron 14-15	146,126,235	146,125,517			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
15	ENSE00003700414	146,125,516	146,125,465	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 15-16	146,125,464	146,124,861			604	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
16	ENSE00003700345	146,124,860	146,124,688	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCC C GGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 16-17	146,124,687	146,123,979			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
17	ENSE00003697132	146,123,978	146,123,927	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 17-18	146,123,926	146,123,279			648	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
18	ENSE00003697529	146,123,278	146,123,106	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 18-19	146,123,105	146,122,392			714	gtgagtaccttttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
19	ENSE00003700629	146,122,391	146,122,283	1	2	109	AAATTGAAAAGAAGGGGAAGGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 19-20	146,122,282	146,121,671			612	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
20	ENSE00003695755	146,121,670	146,121,498	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTCGCTTTTGACATGGATG
	Intron 20-21	146,121,497	146,120,777			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
21	ENSE00003702263	146,120,776	146,120,725	1	2	52	AA TGA AGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 21-22	146,120,724	146,120,129			596	gtaactttgagcaattatggatgat.....tctttactttttcctactttttccag
22	ENSE00003699783	146,120,128	146,119,956	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 22-23	146,119,955	146,119,247			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
23	ENSE00003700671	146,119,246	146,119,195	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 23-24	146,119,194	146,118,543			652	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
24	ENSE00003699832	146,118,542	146,118,370	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAACCATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 24-25	146,118,369	146,117,656			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
25	ENSE00003696539	146,117,655	146,117,547	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 25-26	146,117,546	146,116,945			602	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
26	ENSE00003748572	146,116,944	146,116,772	2	1	173	GCTCAGCAGGGAGCTGCTGGAAGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTCGCTGTTGACATGGATG
	Intron 26-27	146,116,771	146,116,051			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
27	ENSE00003698504	146,116,050	146,115,999	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 27-28	146,115,998	146,115,403			596	gtaactatgagcaattatggatgct.....tctttactttttcctactttttccag
28	ENSE00003697437	146,115,402	146,115,230	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 28-29	146,115,229	146,114,521			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
29	ENSE00003701012	146,114,520	146,114,469	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 29-30	146,114,468	146,113,825			644	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
30	ENSE00003696087	146,113,824	146,113,652	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 30-31	146,113,651	146,112,938			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
31	ENSE00003702076	146,112,937	146,112,829	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG

	Intron 31-32	146,112,828	146,112,227			602	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
32	ENSE00003734795	146,112,226	146,112,054	2	1	173	GCTCAGCAGGGAGCTGCTGGAAGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTCGCTGTTGACATGGATG
	Intron 32-33	146,112,053	146,111,333			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
33	ENSE00003695891	146,111,332	146,111,281	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 33-34	146,111,280	146,110,685			596	gtaactatgagcaattatggatgct.....tctttacttttttcctacttttccag
34	ENSE00003695169	146,110,684	146,110,512	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 34-35	146,110,511	146,109,803			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
35	ENSE00003695325	146,109,802	146,109,751	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 35-36	146,109,750	146,109,115			636	gtaactgagcaattgtgaacagcta.....tctttacttttttcctccttttccag
36	ENSE00003698425	146,109,114	146,108,942	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 36-37	146,108,941	146,108,228			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
37	ENSE00003701360	146,108,227	146,108,119	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 37-38	146,108,118	146,107,517			602	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
38	ENSE00003543790	146,107,516	146,107,344	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCATGTTGGCTTGGCTGTTGACATGGATG
	Intron 38-39	146,107,343	146,106,625			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
39	ENSE00003632188	146,106,624	146,106,573	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 39-40	146,106,572	146,105,977			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
40	ENSE00003612291	146,105,976	146,105,804	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 40-41	146,105,803	146,105,095			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
41	ENSE00003560035	146,105,094	146,105,043	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 41-42	146,105,042	146,104,397			646	gtaactgagcaattgtgaacagcta.....tctttacttttttcctccttttccag
42	ENSE00003510593	146,104,396	146,104,224	2	1	173	CTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGG TTTTCTCTTGACGTGGGAG
	Intron 42-43	146,104,223	146,103,510			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
43	ENSE00003673766	146,103,509	146,103,401	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 43-44	146,103,400	146,102,799			602	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
44	ENSE00003696136	146,102,798	146,102,626	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCATGTTGGCTTGGCTGTTGACATGGATG
	Intron 44-45	146,102,625	146,101,907			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
45	ENSE00003695039	146,101,906	146,101,855	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 45-46	146,101,854	146,101,259			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
46	ENSE00003701930	146,101,258	146,101,086	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 46-47	146,101,085	146,100,377			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
47	ENSE00003695825	146,100,376	146,100,325	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 47-48	146,100,324	146,099,675			650	gtaactgagcaattgtgaacagcta.....tctttacttttttcctccttttccag
48	ENSE00003696728	146,099,674	146,099,502	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 48-49	146,099,501	146,098,788			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
49	ENSE00003701714	146,098,787	146,098,679	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 49-50	146,098,678	146,098,077			602	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
50	ENSE00003696134	146,098,076	146,097,904	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCATGTTGGCTTGGCTGTTGACATGGATG
	Intron 50-51	146,097,903	146,097,185			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
51	ENSE00003700203	146,097,184	146,097,133	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 51-52	146,097,132	146,096,537			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
52	ENSE00003698709	146,096,536	146,096,364	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 52-53	146,096,363	146,095,655			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
53	ENSE00003696461	146,095,654	146,095,603	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 53-54	146,095,602	146,094,953			650	gtaactgagcaattgtgaacagcta.....tctttacttttttcctccttttccag
54	ENSE00003697387	146,094,952	146,094,780	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 54-55	146,094,779	146,094,066			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
55	ENSE00003698518	146,094,065	146,093,957	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 55-56	146,093,956	146,093,355			602	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
56	ENSE00003697356	146,093,354	146,093,182	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCATGTTGGCTTGGCTGTTGACATGGATG
	Intron 56-57	146,093,181	146,092,463			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
57	ENSE00003696441	146,092,462	146,092,411	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 57-58	146,092,410	146,091,815			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
58	ENSE00003696093	146,091,814	146,091,642	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 58-59	146,091,641	146,090,933			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
59	ENSE00003697051	146,090,932	146,090,881	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 59-60	146,090,880	146,090,235			646	gtaactgagcaattgtgaacagcta.....tctttacttttttcctccttttccag
60	ENSE00003701055	146,090,234	146,090,062	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 60-61	146,090,061	146,089,348			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
61	ENSE00003699827	146,089,347	146,089,239	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 61-62	146,089,238	146,088,637			602	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
62	ENSE00003699257	146,088,636	146,088,464	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCATGTTGGCTTGGCTGTTGACATGGATG
	Intron 62-63	146,088,463	146,087,745			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
63	ENSE00003702093	146,087,744	146,087,693	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 63-64	146,087,692	146,087,097			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
64	ENSE00003702118	146,087,096	146,086,924	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 64-65	146,086,923	146,086,216			708	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
65	ENSE00003700759	146,086,215	146,086,164	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 65-66	146,086,163	146,085,514			650	gtaactgagcaattgtgaacagcta.....tctttacttttttcctccttttccag
66	ENSE00003698133	146,085,513	146,085,341	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 66-67	146,085,340	146,084,627			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
67	ENSE00003695184	146,084,626	146,084,518	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 67-68	146,084,517	146,083,910			608	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
68	ENSE00003699979	146,083,909	146,083,737	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG

							ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG
							TGCCTTTTATGTATTGGAGCAACAGCATGTTGGCTTGGCTGTTGACATGGATG
	Intron 68-69	146,083,736	146,083,018			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
69	ENSE00003700382	146,083,017	146,082,966	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 69-70	146,082,965	146,082,370			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
70	ENSE00003701508	146,082,369	146,082,197	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG
							ATGTTA TCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTA AGCAG
							TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 70-71	146,082,196	146,081,488			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
71	ENSE00003695853	146,081,487	146,081,436	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 71-72	146,081,435	146,080,778			658	gtaactgagcaattgtgaacagcta.....ctttactttttcctccttttccag
72	ENSE00003694870	146,080,777	146,080,605	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG
							ATGTTATTCAACTCCTTCAGGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG
							TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 72-73	146,080,604	146,079,891			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
73	ENSE00003697184	146,079,890	146,079,782	1	2	109	AAATTGAAAAGAAGGGGAAGGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA
							GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 73-74	146,079,781	146,079,180			602	gtgactttcagcaattgtggatgct.....ctttactttttcccacttttccag
74	ENSE00003700282	146,079,179	146,079,007	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGG T A TCTTGCAGGACTCACTGGATAG
							ATGTTATTCAACTCCTTCAGGTTGTCTT AACTGACTGACTCATGCCAGCCCTA GAAG
							TGCCTTTTATGTATTGGAG AACAGCATGTTGGCT GGCTGTTGACATGGATG
	Intron 74-75	146,079,006	146,078,288			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
75	ENSE00003699471	146,078,287	146,078,236	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 75-76	146,078,235	146,077,640			596	gtaactttgagcaattatggatgct.....ctttactttttcctacttttccag
76	ENSE00003699298	146,077,639	146,077,467	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG
							ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG
							TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 76-77	146,077,466	146,076,758			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
77	ENSE00003742299	146,076,757	146,076,706	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 77-78	146,076,705	146,076,042			664	gtaactgagcaattgtgaacagcta.....ctttactttttcctccttttccag
78	ENSE00003695267	146,076,041	146,075,869	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG
							ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG
							TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 78-79	146,075,868	146,075,155			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
79	ENSE00003714032	146,075,154	146,075,046	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA
							GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 79-80	146,075,045	146,074,444			602	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
80	ENSE00003699330	146,074,443	146,074,271	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAG AAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG
							ATG T T AACTCCTT GTTATCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG
							TGCCTTTTATGTATTGGAGCAACAGCATGTTGGCTTGGCTGTTGACATGGATG
	Intron 80-81	146,074,270	146,073,552			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
81	ENSE00003694822	146,073,551	146,073,500	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 81-82	146,073,499	146,072,902			598	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
82	ENSE00003698508	146,072,901	146,072,729	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGT TGCAGGACTCACTGGATAG
							ATGTTATT GACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG
							TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 82-83	146,072,728	146,072,020			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
83	ENSE00003695421	146,072,019	146,071,968	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 83-84	146,071,967	146,071,320			648	gtaactgagcaattgtgaacagcta.....ctttactttttcctccttttccag
84	ENSE00003700788	146,071,319	146,071,147	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG
							ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG
							TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 84-85	146,071,146	146,070,433			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
85	ENSE00003696760	146,070,432	146,070,324	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA
							GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 85-86	146,070,323	146,069,716			608	gtgactttcagcaattgtggatgct.....ctttactttttcccacttttccag
86	ENSE00003699255	146,069,715	146,069,543	2	1	173	GCTCAGCAGGGAGCTGCTGGAT AGAAAGGGCCTGAAGTCTTGCAGGACT A GGAT G
							ATGTTA T AACTCCTTCAGGTTG CTTGAACTGTGTGACT ATGCCAGCCCTA AGAAG
							TGCCTTTTATGTATTG AGCAACAGCGTGTTGGCT GGCTGTTGACATGGATG
	Intron 86-87	146,069,542	146,068,824			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
87	ENSE00003701958	146,068,823	146,068,772	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 87-88	146,068,771	146,068,176			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
88	ENSE00003700343	146,068,175	146,068,003	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG
							ATGTTATTCGACTCCTTCAGGTTATCTT AACTGCCTGACTTAGGCCAGCCCTA AGCAG
							TGCTGTTTACTCATTGGAGGAACAGTA CTTGGCTTGGCTCTTGACGTGGACA
	Intron 88-89	146,068,002	146,067,289			714	gtgagtaccttactgtgaaggtgat.....ctgtccatgtctgaatttattgcag
89	ENSE00003699232	146,067,288	146,067,180	1	2	109	AA TGAA AG AGGGG AGG AA AA GAAGG GAAGAAGAT AAAGAAG AA GAA
							GAAGGGGA GAAAAGAAGGGGAAGAA TCAAAACCCACCATG CC AG
	Intron 89-90	146,067,179	146,066,562			618	gtgactttcagcaattgtggatcct.....ctttagttttgtctccttttccag
90	ENSE00003751938	146,066,561	146,064,699	2	-	1,863	GCTCAACGGCGTGCTGATGGAAGTG AA AGCGT AAGTCTTACAGGACT AC GAT G
							ATG TA T GACTCCGTCAATGTA TTT AACTACCTGACT ATTCCAGCACTA GAAG
							TGTGTTTTA T ATTTGAG AACAGCACATCAGCTTCGCCCTTTA GTGGACAATAG T
							TTTTACTTT ACGGTGACAAGTCTCCACCTGGTGTTCCAGATG GAGTCATATTCCCACA
							AT GCAGCCCTTAGTAATCCGAGAGATGTCATTCCTGCAGGCAGGACCTATAGGCAAGT
							GAAGATTTGAATGAAAGTACAGTTCCATTTGGAAGCCCAGACATAGGATGGGTCAGTGGG
							CATGGCTCTATTCCTATTCTCAAACCATGCCAGTGGCAACCTGTGCGCAGTCTGAAGACA
							ATGGACCCACGTTAGGTGTGACACGTTCACATAACTGTGCAGCACATGCCGGGAGTGATC
							AGTCAGACATTTTAATTTGAACCACGTATCTCTGGGTAGCTACAAAATTCCTCAGGGATT
							TCATTTTGCAGGCATGTCTCTGAGCTTCTATACCTGCTCAAGGTCATTGTCATCTTTGTG
							TTTAGCTCATCCAAAGGTGTTACCCTGGTTTCAATGAACCTAACCTCATTCTTTGTGTCT
							TCAGTGTTGGCTTGTTTTAGCTGATCCATCTGTAACACAGGAGGGATCCTTGGCTGAGGA
							TTGTATTTCAGAACCACCAACTGCTCTTGACAATTGTTAACCCGCTAGACTCCTTTGGTT
							AGAGAAGCCACAGTCCTTCAGCCTCCAATTGGTGTCAGTACTTAGGAAGACCACAGCTAG
							ATGGACAAACAGCATTGGGAGGCCTTAGCCCTGCTCCTCTCAATTCCATCCTGTAGAGAA
							CAGGAGTCAGGAGCCGCTGGCAGGAGACAGCATGTCACCCAGGACTCTGCCGGTGCAGAA
							TATGAACAATGCCATGTTCTTGCAGAAAACGCTTAGCCTGAGTTTCATAGGAGGTAATCA
							CCAGACAACTGCAGAATGTAGAACACTGAGCAGGACAACTGACCTGTCTCCTTCACATAG
							TCCATATCACCACAAATCACACAACAAAAAGGAGAAGAAATATTTTGGGTTCAAAAAAG
							TAAAAAGATAATGTAGCTGCATTTCTTTAGTTATTTTGAACCCCAAATATTTCCTCATCT
							TTTTGTTGTTGTCATGGATGGTGGTGACATGGACTTGTTTATAGAAGACAGGTCAGCTGT
							CTGGCTCAATGATCTACATTCTGAAGTTGTCTGAAAATGTCTTCATGATTAAATTCAGCC
							TAAACGTTTTGCCAGGAACACTGCAGAGACAATGCTGTGAGTTTCCAACCTCAGCCCATC
							TGCGGGCAGAGAAGGTCTAGTTTGTCCATCACCATTATGATATCAGGACTGGTTACTTGG
							TTAAGGAGGGGTCTAGGAGATCTGTCCCTTTTAGAGACACCTTACTTACAATGAAGTACT
							TGGGAAAGTGGTTTTCAAGAGTATAAATATCCTGTATTCTAATGATCATCCTCTAAACAT
							TTTATCATTTATTAATCCTCCCTGCCTGTGTCTATTATTATATTCATATCTCTACACTGC
							AAATTTGGGGTCTCAATTTTTACTGTGCCTTTGTTTTTACTAGTGTCTGCTGTTGCAAAA
							AGAAGACATTCTCTGCCTGAGTTTTAATTTTTGTCCAAAGTTAATTTTAATCTATACAAT
							TAAAACCTTTTGCCTATCACTCTGGACTTTTGGATTGTTTTTTACATTCAGTGTTATAAT
							ATTTGATTATGGTGATTGGTTTTGGTGGGTACTGATGCGAATTAATAAAAACATTTCATT
							TCC
	3' downstream sequence						atgtttattttctaatctcttccacattgtaggctatgtttaccatatgt.....

Filter

Domain source	Start	End	Description	Accession	InterPro
PANTHER	262	3066	-	PTHR14199:SF16	-
PANTHER	262	3066	-	PTHR14199	-
Prosite_profiles	165	259	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	180	243	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	436	528	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	451	511	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	529	600	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	537	599	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	601	692	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	609	675	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	684	750	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	695	750	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	751	843	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	759	825	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	844	936	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	853	919	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	928	994	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	939	994	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	995	1087	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1003	1069	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1088	1180	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1097	1163	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1172	1238	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1183	1238	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]

Prosite_profiles	1239	1331	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1247	1313	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1332	1424	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1341	1407	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1416	1482	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1427	1482	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1483	1575	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1491	1557	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1576	1668	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1585	1651	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1660	1726	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1671	1726	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1727	1819	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1735	1801	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1820	1912	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1829	1895	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1904	1970	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1915	1970	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1971	2063	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1979	2045	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2064	2156	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2073	2139	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2148	2214	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2159	2214	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2215	2307	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]

Pfam	2223	2289	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2308	2400	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2317	2383	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2392	2458	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2403	2458	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2459	2551	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2467	2533	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2552	2644	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2561	2627	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2636	2702	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2647	2702	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2703	2795	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2711	2777	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2796	2888	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2805	2871	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2880	2946	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2891	2946	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2947	3039	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2955	3021	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3040	3132	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3049	3115	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3124	3190	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3135	3190	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3191	3283	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3199	3265	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Prosite_profiles	3284	3376	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3293	3359	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3368	3434	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3379	3434	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3435	3527	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3443	3509	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3528	3620	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3537	3603	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3612	3678	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3623	3696	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3697	3795	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3706	3772	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Exons/ Introns Translated sequence Flanking sequence Intron sequence UTR
Variants Missense Stop gained Synonymous
Markup loaded

No.	Exon / Intron	Start	End	Start Phase	End Phase	Length	Sequence
	5' upstream sequence						.....ttaaggcccagctgcgcctgtgccttgggctctcctgacacggcccatcc
1	ENSE00003745875	146,938,744	146,938,982	-	-	239	GGACCCTGAGGAGCCAGCGGGCCGCAAGCAAGTTGCTGGGCGGCGGTTGAGATAGCGGCG GTGCTGGGAGGGGTAGGTGAGGGTCGCGAGGCTGCCTGAGCTTCTGAGTGAGCCTGGTGA TTTTGGGAACGCGGGACGGGCGACCTGCGGCGCCAGGAGCGGGGCCGAGGTACGGCGGCA CGGCTGCAGCCTGGATGGGAAGTTCAAGTTTACTGCGAAGTCCACCCAGCGTTCCGGAG
	Intron 1-2	146,938,983	146,943,290			4,308	gtgagggcgcccgcgccaggccgggc.....ttgatttctctcttttatctcatag
2	ENSE00003750589	146,943,291	146,943,562	-	-	272	GCATTCTGAAGGCAAATCCTGTTTAGACCCAGGCAAAGGTTCCTGGTGACCCAGGCTCTC ATGAGCAGATTGTCCCTTATCATTCTCCTGAGGATGTCTGGAGCTTCAGTGCTGTGTGCT CTTGGCCTCCACACTGGGGGTGCCACCAACTCCCACTGTCCAGGGCTTCTGGTGGACTCT CCGAGGCACCGATGTAGAAACTTACCCATTCAGTGCACCAAGAGCAGCCTCACATGGTGT GGGCCGACATGAAGAGCTGCCAGATCCAACAG
	Intron 2-3	146,943,563	146,951,347			7,785	gtaaaaatcctgaggcattgccagc.....taaattatttgtttcttcttggtag
3	ENSE00003713183	146,951,348	146,951,489	-	-	142	CCCTTGAAGATAAGGATGGTCAAACAAAATAATATCATACCTGGAGAAACTCAGATCTTG CTAAGATTTACTGGTTGGGAATCCAAAGTTAATGCCAAGAAGCAGCTGCCAGTTGGGATC AAATGTGAGCCTATGGATCAAG
	Intron 3-4	146,951,490	146,951,813			324	gtgcgtactcaaacacagagagctt.....ctgtcccctccctttatgtacatag
4	ENSE00003720163	146,951,814	146,952,037	-	-	224	AAAATGAGCAAACAGGTGGCCATGAAACAGATGGTCATAGAATTGTTTCAGTGCTTGTGA GTGCAGCAACCCAAGAGTGTCTTATCTGAAATACCACCAGGAATGTCTGGACACAGTAGA CAAAGGTTTTTCAACTGGATGCCTTAGGATACATGCTTCCAAAAACAAAGTAGCCAAAAA GAAACCAGAGTCACAGAATATCAGAGCCAGAGGAACATTTGGAG
	Intron 4-5	146,952,038	146,959,858			7,821	gtaattcagtacctcctccttttca.....tctaattctgttattgcaactgcag
5	ENSE00003747798	146,959,859	146,960,006	-	-	148	ACGGTTACCTGGCACGCTGGCCACAATCTACCTCACTCTTATCAGAGTCTGAGCAGTGCT TTCAGCTCTGAGTTGAGGCACCTCGAACCTTGTTTTTGTGGTGAAGGATCCTAAAGTGCT GTGGGGAGTGATCACATTTTTCACAACA
	Intron 5-6	146,960,007	146,960,108			102	gtaagttaagaatttcagttactga.....atatgtttgggtttcttctccccag
6	ENSE00003590339	146,960,109	146,960,318	-	1	210	TCCCTGACTCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTGGT CCAGCGAGAAGGCAGAGATGAACATTCTAGAAATCAACGAGAAATTGCGCCCCCAGTTGG CAGAGAACAAACAGCAGTTCAGAAACCTCAAAGAGAGATGTTTTCTAACTCAACTGGCCG GCTTCCTGGCCAACCGACAGAAGAAATACA
	Intron 6-7	146,960,319	146,962,160			1,842	gtaagatctatagctcaccatcat.....gcaggcgtgtctgtcttttctcag
7	ENSE00003669183	146,962,161	146,962,263	1	2	103	AGTATGAAGAGTGTAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTGAAACAAGCTGAGGAGCTCAG
	Intron 7-8	146,962,264	146,963,094			831	gtgagggaccccatgggggaggc.....aattttctcaccgtctcaccttag
8	ENSE00003569460	146,963,095	146,963,309	2	1	215	GCAATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGACCCAGTTAAGGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCC GGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCAACTTGTCCAAAAGCTCAGCCCAG
	Intron 8-9	146,963,310	146,964,356			1,047	gtaaggtggccataggccctgatga.....ctgaatgaacattttgtatttatag
9	ENSE00003670915	146,964,357	146,964,429	1	2	73	AAAATGATGAAGATGAGGATGAAGATGTTCAAGTTGAGGAGGATGAGAAAGTACTGGAAT ATCTGCCCCCAG
	Intron 9-10	146,964,430	146,964,892			463	gtaacactgaatactcaggagcaag.....atctctgtcccacctggctcatcag
10	ENSE00003469404	146,964,893	146,965,104	2	1	212	GGAGGTGCAGAAGGCTGAAGAGAGCAAAGTCCCTGAGGACTCACTG AGGAATGTGCCAT CACTTGTTCAAATAGCCACGGCCCTTGTGACTCCATCCAGCCTCACAAGAACATCAAAT CACATTTGAG AAGACAAAGTCAACTCAACTGTGGTTGTAGACAGA AATCCTCTCATGA TGAATGTCAGGATGCTCTAAACATTCTCCC G
	Intron 10-11	146,965,105	146,966,463			1,359	gtagcctctattttccttgtgtctc.....atgtgtttgcctttcttctccccag
11	ENSE00003513317	146,966,464	146,966,673	1	1	210	TCCCTGGCCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGT CCAGCGAGAAGGCAGAGATGAACATTCTA AAATCAATGAG AGTTGCGCCCCCAGCTGG CAGAGAAGAAACAGCAGTTCAGAAGCCTC AAGAGAAATGTTTTGTAACTCAACTGGCCG GCTTCCTGGCCAAGCAGCAGAACAAATAC
	Intron 11-12	146,966,674	146,968,447			1,774	gtaagatctacaggctcaccatcac.....tgcaggcgtgtctgtcttttctcag
12	ENSE00003461899	146,968,448	146,968,550	1	2	103	AATATGAAGAGTGCAAAGACCTCATAAAATCTATGCTGAGGAATGAGCTACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAGGAGCTCAG
	Intron 12-13	146,968,551	146,969,381			831	gtgagggaccccatgggggcaggc.....aattttctcaccgtctcaccttag
13	ENSE00003600318	146,969,382	146,969,596	2	1	215	GCAATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGACCCAGTTAAGGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCC GGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 13-14	146,969,597	146,970,646			1,050	gtaaggtggccacaggccctgatga.....ctgaacgaacattttgtatttatag
14	ENSE00003741673	146,970,647	146,970,719	1	2	73	AAAATGATGAAGATGAGGATGAAGATGTTCAAGTTGAGGAGGATGAGAAAGTGCTGGAAT CATCTTCCCCCAG
	Intron 14-15	146,970,720	146,971,182			463	gtgacactgaatactcaggagcaag.....atctctgtcccacctggctcatcag
15	ENSE00003738897	146,971,183	146,971,394	2	1	212	GGAGATGCAGAAGGCTGAAGAAAGCAAAGTCCCTGAGGACTCACTGGAGGAATGTGCCAT CACTTGTTCAAATAGCCACGGCCCTTGTGACTCCAACCAGCCTCACAAGAACATCAAAAT CACATTTGAGGAAGAC AAGTCAACTCATCTCTGGTTGTAGACAGA AATCCTCTCATGA T AATGT AGGATGCTCTAAACATTCTCCCAG
	Intron 15-16	146,971,395	146,972,750			1,356	gtagcctctattttccttgtgtctc.....atgtgtttgcctttcttctccccag
16	ENSE00003743058	146,972,751	146,972,960	1	1	210	TCCCTGGCCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGT CCAGCGAGAAGGCAGAGATGAACATTCTAGAAATCAATGAGAAGTTGCG CCCCAGCTGG CAG GAAGAAACAGCAGTTCAGAAGCCTCAAAGAGAAATGTTTTGTAACTCAAGTGGCCT GCTTCCTGGCCAAGCAGCAGAACAAATACA
	Intron 16-17	146,972,961	146,974,738			1,778	gtaagatctatatgctcaccatcat.....tgcaggcgtgtctgtcttttctcag
17	ENSE00003725774	146,974,739	146,974,841	1	2	103	AATATGAAGAGTGCAAAGACCTCCTAAAATCTATGCTGAGGAATGAGCTACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAGGAGCTCAG
	Intron 17-18	146,974,842	146,975,676			835	gtgagggaccccatgggggcagac.....aattttctcaccgtctcaccttag
18	ENSE00001950169	146,975,677	146,975,891	2	1	215	GCAATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGACCCAGTTAAGGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCC GGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAACACCTTGTCCAAAAGCTCAGCCCAG
	Intron 18-19	146,975,892	146,976,928			1,037	gtaaggtggccataggccctgatga.....tgaatgaacacttctgtatttacag
19	ENSE00003538544	146,976,929	146,977,001	1	2	73	AAAATGATAACGATGACGATGAAGATGTTCAAGTTGAGGTGGCTGAGAAAGTGCAGAAAT CGTCTTCCCCCAG
	Intron 19-20	146,977,002	146,977,465			464	gtaacactgaatactcaggaacaat.....atctctgtcccacctggctcatcag
20	ENSE00003718439	146,977,466	146,977,671	2	1	206	GGAGATGCAGAAGGCTGAAGAAAAGGAAGTCCCTGAGGACTCACTGGAGGAGTGTGCCAT CACTTGTTCAAATAGCCATGGCCCTTATGACTCCAACCAGCCACATAGGAAAACCAAAAT CACATTTGAGGAAGACAAAGTCGACTCAACTCTCATTGGCTCATCCTCTCATGTTGAATG GGAGGATGCTGTACACATTATCCCAG
	Intron 20-21	146,977,672	146,978,958			1,287	gtagcctctgttttccttgtgtctc.....cctgcttctctgaatttatttacag
21	ENSE00003739012	146,978,959	146,979,010	1	2	52	AAAATGAAAGTGATGATGAGGAAGAGGAAGAAAAAGGGCCAGTGTCTCCCAG
	Intron 21-22	146,979,011	146,982,927			3,917	gtaatgttgtggaattgttggctgt.....atccctgtcctgcctggctcatcag
22	ENSE00003506221	146,982,928	146,983,091	2	1	164	GAATCTGCAGGAGTCTGAAGAGGAGGAAGTCCCCCAGGAGTCCTGGGATGAAGGTTATTC GACTCTCTCAATTCCTCCTGAAAGGTTGGCCTCATACCAGTCTTACAGCAGCACATTTCA CTCATTAGAGGAACAGCAAGTCTGCATGGCTGTTGACATAGGCA
	Intron 22-23	146,983,092	146,984,133			1,042	gtgagtactccattgtgaaggtgat.....aggccccatctgaatttatttgcag

23	ENSE00003650109	146,984,134	146,984,185	1	2	52	GACATCGGTGGGATCAAGTGAAAAAGGAGGACCAAGAGGCAACAGGTCCCAG
	Intron 23-24	146,984,186	146,984,812			627	gtgagtctgagaaattgtggacagt.....tctttacttttttcccacttttccag
24	ENSE00003692584	146,984,813	146,984,985	2	1	173	GCTCAGCAGGGAGCTGCTGGCTGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGTTTATCTTGGACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 24-25	146,984,986	146,985,704			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
25	ENSE00003491869	146,985,705	146,985,756	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 25-26	146,985,757	146,986,351			595	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
26	ENSE00003600848	146,986,352	146,986,524	2	1	173	GCTCAGCAGGGAGCTGCTGGCTGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGAAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 26-27	146,986,525	146,987,233			709	gtgagtaccttactatgaaggtgat.....ctgtccctgcctgaatgtattgcag
27	ENSE00003619851	146,987,234	146,987,285	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 27-28	146,987,286	146,987,953			668	gtaactgagcaattgtgaacagcta.....tctttacttttttcctccttttccag
28	ENSE00003595780	146,987,954	146,988,126	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTACAGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 28-29	146,988,127	146,988,840			714	gtgagtacgtttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
29	ENSE00003631061	146,988,841	146,988,949	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGAAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 29-30	146,988,950	146,989,573			624	gtaactttcagcaattgtggatgct.....ttctttacttttttcccactttccag
30	ENSE00003753662	146,989,574	146,989,746	2	1	173	GCTCAGCAGGGAGCTGCTGGCTGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGGTATTCGACTCCTTCAGTTTATCTTGGACTGACTGACCCATGCCAGCCCTA GAAG TGCCTTTTACGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 30-31	146,989,747	146,990,465			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
31	ENSE00003754077	146,990,466	146,990,517	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 31-32	146,990,518	146,991,112			595	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
32	ENSE00003696718	146,991,113	146,991,285	2	1	173	GCTCAGCAGGGAGCTGCTGGCTGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGAAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 32-33	146,991,286	146,991,994			709	gtgagtaccttactatgaaggtgat.....ctgtccctgcctgaatgtattgcag
33	ENSE00003701538	146,991,995	146,992,046	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 33-34	146,992,047	146,992,711			665	gtaactgagcaattgtgaacagcta.....tctttacttttttcctacttttccag
34	ENSE00003695573	146,992,712	146,992,884	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTACAGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 34-35	146,992,885	146,993,598			714	gtgagtacgtttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
35	ENSE00003698741	146,993,599	146,993,707	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGAAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 35-36	146,993,708	146,994,331			624	gtaactttcagcaattgtggatgct.....tctttagttttgtctccttttccag
36	ENSE00003746064	146,994,332	146,996,202	2	-	1,871	GCTCAACAGCGTGCT ATGGAAGTG AAGAGCCTGAAGTCT AGGACTCACTGGATAG ATGTTATTCGACTCCATCAATGTACTTTGAACTACCTGACTCATTCCAGCACTA AGAAG TGTGTTTTA TCATTTGAGGAACAGCACATCACCTTTGCCC TGACATGGACAATAGCTT TTTTACTTTGACGGTGACAAGTCTCCACCTGGTCTTCCAGAT GGAGTCATATTCCCA A A A GCAGCCTTACTAAGCCGAGAGGTTTCATTCCTGCAGGCAGGACCTATAGGCACCT GAAGATTTGAATGAAACTATAGTTCCATTTGGAAGCCCAGACATAGGATGGGTCAGTGGG CATGGCTCTATTCCTATTCTCAGAGCATGCCAGTGGCAACCTGTGCTCAGTCTGAAGACA ATGGACCCACGTTAGGTGTGACACGTTCACATAACTGTGCAGCACATGCCGGGAGTGATC AGCCGGACATTTTAATTTGAACCATGTATCTCTGGGTAGCTACAAAATTCCTCAGGGATT TCATTTTGCAGGCATGTCTCTGAGCTTCTATACCTACTCAAGGTCAGTGTCATCTTTGTG TTTAGTTCATCCAAAGGTGTTACCCTGGTTTCAATGAACCTAACCTCATTATTTGTGTCT TCAGTGTTGGCTTGTTTTAGCTGATCCATCTGTAACACAGGAGGGATCCTTGGCTGAGGA TTGTATTTCAGAACCACCAACTGCTCTTGACAATTGTTAACCCACTAGGCTCCTTTGGTT AGAGAAGCCACAGTCCTTCAGCCTCCAATTGGTGTCAGTACTTAGGAAGACCACAGCTAG ATGGACAAACAGCATTGGGAGGCCTTAGCCCTGCTCCTCTCAATTCCATCCTGTAGAGAA CAGGAGTCAGGAGCCGCTGGCAGGAGACAGCATGTCACCCAGGACTCTGCCGGTGCAGAA TATGAGCAATGCCATGTTCTTGCAGAAAACGCTTAGCCTGAGTTTCATAGGAGGTAATCA CCAGACAACTGCAGAATGTAGAACACTGAGCAGGACAACTGACCTGTCTCCTTCACATAG TCCATATCACCACAAATCACACAACAAAAAGGAGAAGAGATATTTTGGGTTGAAAAAAAG TAAAAAGATAATGTAGCTGCATTTCTTTAGTTATTTTGAACCCCAAATATTTCCTCATCT TTTTGTTGTTGTCATTGATGGTGGTGACATGGACTTGTTTATAGAGGACAGGTCAGCTCT CTGGCTCAATGATCTACATTCTGAAGTTGTCTGAAAATGTCTTCATGATTAAATTCAGCC TAAACTTTTTGCTGGGAACACTGCAGAGACAATGCTGTGAGTTTCCAACCTCAGCCCATC TGCGGGCAGAGAAGGTCTAGTTTGTCCATCACCATTATGATATCAGGACTGGTTACTTGG TTAAGGAGGGGTCTAGGAGATCTGTCCCTTTTAGAGACACCTTACTTATAATGAAGTACT TGGGAAAGCGGTTTTCAAGAGTATAAATATCCTGTATTCTAATGATCATCCTCTAAACAT TTTATCATTTATTAATCCTCCCTGCCTGTGTCTATTATTATATACATATCTCTACGCTGC AAATTTTGGGTCTCAATTTTTACTGTGCCTTTGTTTTTACTAGTGTCTGCTGTTGCAAAA AGAAGAAAACATTCTCTGCCTGAGTTTTAATTTTTGTCCAAAGTTAATTTTAATCTATAC AATTAAAACCTTTTGCCTATCACTCTGGACTTTTGGATTGTTTTTTACATTCAGTGTTAT AATATTTGATTATGCTGATTGGTTTTGGTGGGTACTGATGTGAATTAATAAAAACATTTC ATTTCCATGTT

Filter

Domain source	Start	End	Description	Accession	InterPro
PANTHER	533	1435	-	PTHR14199:SF16	-
PANTHER	533	1435	-	PTHR14199	-
Prosite_profiles	165	259	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	180	243	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	436	530	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	451	514	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	707	799	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	722	782	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	800	871	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	808	870	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	872	963	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	880	946	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	955	1021	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	966	1021	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1022	1114	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1030	1096	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1115	1207	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]

Pfam	1124	1190	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1199	1265	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1210	1265	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1266	1358	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1274	1340	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1359	1457	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1368	1434	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Exons/ Introns: Translated sequence | Flanking sequence | Intron sequence | UTR

Variants: Missense | Stop gained | Synonymous

Markup: loaded

Filter

No.	Exon / Intron	Start	End	Start Phase	End Phase	Length	Sequence
	5' upstream sequence						.....gtttcttctccccagtccctgactccacctcttctgccacaaacgtcagc
1	ENSE00003738728	148,595,717	148,595,543	0	1	175	ATGGTGGTATCAGCCGGCCCTTGGTCCAGTGAGAAGGCAGAGATGAACATTCTAGAAATC AACGAGACATTGCGCCCCCAGCTGGCAGAGAAGAAACAGCAGTTCAGAAACCTCAAAGAG AAATGTTTTCTAACTCAACTGGCCGGCTTCCTGGCCAACCAACAGAAGAAATACA
	Intron 1-2	148,595,542	148,593,701			1,842	gtaagatctataggctcaccatcat.....ggcaggcgtgtctgtcttttctcag
2	ENSE00003624656	148,593,700	148,593,598	1	2	103	AGTATGAAGAGTGTAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAGGAGCTCAG
	Intron 2-3	148,593,597	148,592,767			831	gtgaggggaccccgtagggggaggc.....aattttctctaccgtctcaccttag
3	ENSE00003667412	148,592,766	148,592,552	2	1	215	GCAATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGACCCAGCTAAGGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGTATGAGCATCTCCAGGCCCTCCTCACTCC GTATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 3-4	148,592,551	148,591,505			1,047	gtaaggtggccataggccctgatga.....ctgaacgaacattttgtatttctag
4	ENSE00003688061	148,591,504	148,591,432	1	2	73	AAAATGACGAAGATGAGGATGAAGATGTTCAAGTTGAGGAGGCTGAGAAAGTACTGGAAT CATCTGCCCCCAG
	Intron 4-5	148,591,431	148,590,969			463	gtaacactgaatactcaggagcaag.....atctctgtcccacctggctcatcag
5	ENSE00003500762	148,590,968	148,590,757	2	1	212	GGAGGTGCAGAAGGCTGAAGAGAGCAAAGTCCCTGAGGACTCACTGGAGGAATGTGCCAT CACTTGTTCAAATAGCCACGGCCCTTGTGACTCCAACCAGCCTCACAAGAACATCAAAAT CACATTTGAGGAAGACGAAGTCAACTCAACTCTGGTTGTAGACAGAGAATCCTCTCATGA TGAATGTCAGGATGCTCTAAACATTCTCCCAG
	Intron 5-6	148,590,756	148,589,394			1,363	gtagcctctattttccttgtgtctc.....atgtgtttgcctttcttctcccccag
6	ENSE00003477007	148,589,393	148,589,184	1	1	210	TCCCTGGCCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGT CCAGCGAGAAGGCAGAGATGAACATTCTAGAAATCAATGAGAAATTGCGCCCCCAGCTGG CAGAGAAGAAACAGCAGTTCAGAAACCTCAAAGAGAAATGTTTTCTAACTCAACTGTCCG GCTTCCTGGCCAACCAACAGAAGAAATACA
	Intron 6-7	148,589,183	148,587,404			1,780	gtaagatctataggctcaccatcat.....ggtaggtgtgtctgtcttttctcag
7	ENSE00003460569	148,587,403	148,587,301	1	2	103	AATATGAAGAGTGCAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGG AGGAGAAGCTTGCGGAGCAGCTGAAGCAAGCTGAGGAGCTCAG
	Intron 7-8	148,587,300	148,586,470			831	gtgaggggaccccatggggcaggc.....aattttctctaccgtctcaccttag
8	ENSE00003540128	148,586,469	148,586,255	2	1	215	GCAATATAAAGTCCTGGTTCACGCTCAGGAACGAGAGCTGACCCAGTTAAGGGAGAAGTT GCGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCC GGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 8-9	148,586,254	148,585,214			1,041	gtaaggtggccataggccctgatga.....tgaacgaacacttctgtatttacag
9	ENSE00003479616	148,585,213	148,585,141	1	2	73	AAAATGACAACGATGACGATGAAGATGTTCAAGTTGAGGTGGCTGAGAAAGTGCAGAAAT CGTCTGCCCCCAG
	Intron 9-10	148,585,140	148,584,677			464	gtaacactgaatactcaggaacaat.....atctctgtcccacctggctcatcag
10	ENSE00003625831	148,584,676	148,584,471	2	1	206	GGAGATGCAGAAGGCTGAAGAAAAGGAAGTCCCTGAGGACTCACTGGAGGAATGTGCCAT CACTTATTCAAATAGCCATGGCTCTTATGACTCCAACCAGCCACATAGGAAAACCAAAAT CACATTTGAGGAAGACAAAGTCGACTCAACTCTCATTGGCTCATCCTCTCATGTTGAATG GGAGGATGCTGTACACATTATTCCAG
	Intron 10-11	148,584,470	148,583,193			1,278	gtagcctctgttttccttgtgtctc.....cctgcttctctgaatttatttacag
11	ENSE00003527998	148,583,192	148,583,141	1	2	52	AAAATGAAAGTGATGATGAGGAAGAGGAAGAAAAAGGGCCAGTGTCTCCCAG
	Intron 11-12	148,583,140	148,579,238			3,903	gtaatgttgtggaattgttggctgt.....atccctgtcctgcctggctcatcag
12	ENSE00003599309	148,579,237	148,579,074	2	1	164	GAATCTGCAGGAGTCTGAAGAGGAGGAAGTCCCCCAGGAGTCCTGGGATGAAGGTTATTC GACTCTCTCAATTCCTCCTGAAATGTTGGCCTCGTACCAGTCTTACAGCAGCACATTTCA CTCATTAGAGGAACAGCAAGTCTGCATGGCTGTTGACATAGGCA
	Intron 12-13	148,579,073	148,578,035			1,039	gtgagtactccattgtgaaggtgat.....agggcacatctgaatttatttgcag
13	ENSE00003618413	148,578,034	148,577,983	1	2	52	GACATCGGTGGGATCAAGTGAAAAAGGAGGACCAAGAGGCAACAGGTCCCAG
	Intron 13-14	148,577,982	148,577,356			627	gtgagtctgagaaattgtggacagt.....tctttactttttcccactttttccag
14	ENSE00003566047	148,577,355	148,577,183	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 14-15	148,577,182	148,576,462			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
15	ENSE00003460738	148,576,461	148,576,410	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 15-16	148,576,409	148,575,812			598	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
16	ENSE00003491316	148,575,811	148,575,639	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 16-17	148,575,638	148,574,930			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
17	ENSE00003743896	148,574,929	148,574,878	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 17-18	148,574,877	148,571,038			3,840	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
18	ENSE00003731305	148,571,037	148,570,865	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 18-19	148,570,864	148,570,151			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
19	ENSE00003722865	148,570,150	148,570,042	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 19-20	148,570,041	148,569,428			614	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
20	ENSE00003729288	148,569,427	148,569,255	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 20-21	148,569,254	148,568,534			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
21	ENSE00003711949	148,568,533	148,568,482	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 21-22	148,568,481	148,567,886			596	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
22	ENSE00003730852	148,567,885	148,567,713	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 22-23	148,567,712	148,567,004			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
23	ENSE00003748882	148,567,003	148,566,952	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 23-24	148,566,951	148,566,316			636	gtaactgagcaattgtgaacagcta.....tctttacctttttcctccttttccag
24	ENSE00003714020	148,566,315	148,566,143	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 24-25	148,566,142	148,565,429			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
25	ENSE00003746919	148,565,428	148,565,320	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 25-26	148,565,319	148,564,712			608	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
26	ENSE00003727356	148,564,711	148,564,539	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 26-27	148,564,538	148,563,818			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
27	ENSE00003732642	148,563,817	148,563,766	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 27-28	148,563,765	148,563,170			596	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
28	ENSE00003743869	148,563,169	148,562,997	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 28-29	148,562,996	148,562,288			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
29	ENSE00003754278	148,562,287	148,562,236	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 29-30	148,562,235	148,561,580			656	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
30	ENSE00003745445	148,561,579	148,561,407	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 30-31	148,561,406	148,560,693			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
31	ENSE00003731359	148,560,692	148,560,584	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 31-32	148,560,583	148,559,966			618	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag

32	ENSE00003736335	148,559,965	148,559,793	2	1	173	GCTCAGCAGGGAGCTGCTGCATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTATAGAAG TGCCTTTTACATATTGGAGCAGCAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 32-33	148,559,792	148,559,073			720	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
33	ENSE00003715920	148,559,072	148,559,021	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 33-34	148,559,020	148,558,425			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
34	ENSE00003718210	148,558,424	148,558,252	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 34-35	148,558,251	148,557,543			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
35	ENSE00003723339	148,557,542	148,557,491	1	2	52	GATTTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 35-36	148,557,490	148,556,863			628	gtaactgagcaattgtgaacagcta.....tctttacttttttcctcctttttccag
36	ENSE00003717733	148,556,862	148,556,690	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATG TATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGATGTGGGAG
	Intron 36-37	148,556,689	148,555,976			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
37	ENSE00003752237	148,555,975	148,555,867	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 37-38	148,555,866	148,555,253			614	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
38	ENSE00003746426	148,555,252	148,555,080	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 38-39	148,555,079	148,554,361			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
39	ENSE00003714278	148,554,360	148,554,309	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 39-40	148,554,308	148,553,713			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
40	ENSE00003750239	148,553,712	148,553,540	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 40-41	148,553,539	148,552,831			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
41	ENSE00003688833	148,552,830	148,552,779	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 41-42	148,552,778	148,552,149			630	gtaactgagcaattgtgaacagcta.....tctttacttttttcctcctttttccag
42	ENSE00003686778	148,552,148	148,551,976	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 42-43	148,551,975	148,551,262			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
43	ENSE00003544219	148,551,261	148,551,153	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 43-44	148,551,152	148,550,545			608	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
44	ENSE00003718137	148,550,544	148,550,372	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 44-45	148,550,371	148,549,653			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
45	ENSE00003744233	148,549,652	148,549,601	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 45-46	148,549,600	148,549,005			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
46	ENSE00003725603	148,549,004	148,548,832	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 46-47	148,548,831	148,548,123			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
47	ENSE00003748994	148,548,122	148,548,071	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 47-48	148,548,070	148,547,441			630	gtaactgagcaattgtgaacagcta.....tctttacttttttcctcctttttccag
48	ENSE00003733881	148,547,440	148,547,268	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 48-49	148,547,267	148,546,554			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
49	ENSE00003719561	148,546,553	148,546,445	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 49-50	148,546,444	148,545,837			608	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
50	ENSE00003745017	148,545,836	148,545,664	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 50-51	148,545,663	148,544,945			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
51	ENSE00003752392	148,544,944	148,544,893	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 51-52	148,544,892	148,544,297			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
52	ENSE00003740124	148,544,296	148,544,124	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 52-53	148,544,123	148,543,415			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
53	ENSE00003751493	148,543,414	148,543,363	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 53-54	148,543,362	148,542,727			636	gtaactgagcaattgtgaacagcta.....tctttacttttttcctcctttttccag
54	ENSE00003721231	148,542,726	148,542,554	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTA GAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGATGTGGGAG
	Intron 54-55	148,542,553	148,541,840			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
55	ENSE00003747137	148,541,839	148,541,731	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 55-56	148,541,730	148,541,123			608	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
56	ENSE00003747118	148,541,122	148,540,950	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 56-57	148,540,949	148,540,231			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
57	ENSE00003748807	148,540,230	148,540,179	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 57-58	148,540,178	148,539,583			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
58	ENSE00003752493	148,539,582	148,539,410	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTA TCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 58-59	148,539,409	148,538,701			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
59	ENSE00003727003	148,538,700	148,538,649	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 59-60	148,538,648	148,538,007			642	gtaactgagcaattgtgaacagcta.....tctttacttttttcctcctttttccag
60	ENSE00003750327	148,538,006	148,537,834	2	1	173	GCTCAGCAGGGAGCTCCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 60-61	148,537,833	148,537,120			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
61	ENSE00003715637	148,537,119	148,537,011	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 61-62	148,537,010	148,536,397			614	gtgactttcagcaattgtggatgct.....tctttacttttttcccacttttccag
62	ENSE00003735043	148,536,396	148,536,224	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 62-63	148,536,223	148,535,505			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
63	ENSE00003744995	148,535,504	148,535,453	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 63-64	148,535,452	148,534,857			596	gtaactttgagcaattatggatgct.....tctttacttttttcctacttttccag
64	ENSE00003753215	148,534,856	148,534,684	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGATCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 64-65	148,534,683	148,533,970			714	gtgagtaccttactatgaaggtgat.....ctgtccatgtctgaatttattgcag
65	ENSE00003745025	148,533,969	148,533,861	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAAAAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 65-66	148,533,860	148,533,249			612	gtgactttcagcaattgtggatccct.....tctttagttttgtctcctttttccag
66	ENSE00003740040	148,533,248	148,531,385	2	-	1,864	GCTCAACGGCGTGCTGATGGAAGTG AAGAGCGTGAAGTCTTACAGGACTCACTGGATAG ATGTTATTCGACTCCGTCAATGTACTTTGAACTACCTGACTCATTCCAGCACTACAGAAG TGTGTTTTACTCATTTGAGGAACAGCACATCAGCTTCGCCCTTTACGTGGACAATAGGTT TTTTACTT GACGGTGACAAGTCTCCACCTGGTGTTCCAGATGGGAGTCATATTCCCACA ATAAGCAGCCCTTAGTAATCCGAGAGATGTCATTCCTGCAGGCAGGACCTATAGGCAAGT GAAGATTTGAATGAAAGTACAGTTCCATTTGGAAGCCCAGACATAGGATGGGTCAGTGGG CATGGCTCTATTCCTATTCTCAAACCATGCCAGTGGAAACCTGTGCGCAGTCTGAAGACA ATGGACCCACGTTAGGTGTGACACGTTCACATAACTGTGCAGCACATGCCGGGAGTGATC

	AGTCAGACATTTTAATTTGAACCACGTATCTCTGGGTAGCTACAAAATTCCTCAGGGATT TCATTTTGCAGGCATGTCTCTGAGCTTCTATACCTGCTCAAGGTCATTGTCATCTTTGTG TTTAGCTCATCCAAAGGTGTTACCCTGGTTTCAATGAACCTAACCTCATTCTTTGTGTCT TCAGTGTTGGCTTGTTTTAGCTGATCCATCTGTAACACAGGAGGGATCCTTGGCTGAGGA TTGTATTTCAGAACCACCAACTGCTCTTGACAATTGTTAACCCGCTAGACTCCTTTGGTT AGAGAAGCCACAGTCCTTCAGCCTCCAATTGGTGTCAGTACTTAGGAAGACCACAGCTAG ATGGACAAACAGCATTGGGAGGCCTTAGCCCTGCTCCTCTCTATTCCATCCTGTAGAGGT CAGGAGTCAGGAGTCGCTGGCAGGAGACAGCATGTCACCCAGGACTCTGCCGGTGCAGAA TATGAACAATGCCATGTTCTTGCAGAAAACGCTTAGCCTGAGTTTCATAGGAGGTAATCA CCAGACAACTGCAGAATGTAGAACACTGAGCAGGACAACTGACCTGTCTCCTTCACATAG TCCATATCACCACAAATCACACAACAAAAAGGAGAAGAGATATTTTGGGTTCAAAAAAAG TAAAAAGATAATGTAGCTGCATTTCTTTAGTTATTTTGAACCCCAAATATTTCCTCATCT TTTTGTTGTTGTCATGGATGGTGGTGACATGGACTTGTTTATAGAAGACAGGTCAGCTGT CTGGCTCAATGATCTACATTCTGAAGTTGTCTGAAAATGTCTTCATGATTAAATTCAGCC TAAACGTTTTGCCAGGAACACTGCAGAGACAATGCTGTGAGTTTCCAACCTCAGCCCATC TGCGGGCAGAGAAGGTCTAGTTTGTCCATCACCATTATGATATCAGGACTGGTTACTTGG TTAAGGAGGGGTCTAGGAGATCTGTCCCTTTTAGAGACACCTTACTTACAATGAAGTACT TGGGAAAGTGGTTTTCAAGAGTATAAATATCCTGTATTCTAATGATCATCCTCTAAACAT TTTATCATTTATTAATCCTCCCTGCCTGTGTCTATTATTATATTCATATCTCTACACTGC AAATTTGGGGTCTCAATTTTTACTGTGCCTTTGTTTTTACTAGTGTCTGCTGTTGCAAAA AGAAGACATTCTCTGCCTGAGTTTTAATTTTTGTCCAAAGTTAATTTTAATCTATACAAT TAAAACCTTTTGCCTATCACTCTGGACTTTTGGATTGTTTTTTACATTCAGTGTTATAAT ATTTGATTATGGTGATTGGTTTTGGTGGGTACTGATGCGAATTAATAAAAACATTTCATT TCCA
3' downstream sequence	tgtttattttctaatctcttccacattgtaggctatgtttaccatatgta.....

Filter

Domain source	Start	End	Description	Accession	InterPro
PANTHER	262	2816	-	PTHR14199	-
PANTHER	262	2816	-	PTHR14199:SF16	-
Prosite_profiles	165	259	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	180	243	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	436	528	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	451	511	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	529	600	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	537	599	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	601	692	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	609	675	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	684	750	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	695	750	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	751	843	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	759	825	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	844	936	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	853	919	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	928	994	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	939	994	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	995	1087	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1003	1069	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1088	1180	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1097	1163	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1172	1238	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1183	1238	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1239	1331	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]

Pfam	1247	1313	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1332	1424	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1341	1407	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1416	1482	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1427	1482	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1483	1575	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1491	1557	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1576	1668	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1585	1651	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1660	1726	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1671	1726	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1727	1819	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1735	1801	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1820	1912	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1829	1895	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1904	1970	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1915	1970	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1971	2063	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1979	2045	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2064	2156	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2073	2139	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2148	2214	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2159	2214	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2215	2307	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2223	2289	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2308	2400	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]

Pfam	2317	2383	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2392	2458	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2403	2458	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2459	2551	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2467	2533	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2552	2644	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2561	2627	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2636	2702	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2647	2720	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2721	2819	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2730	2796	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Exons/ Introns Translated sequence Flanking sequence Intron sequence UTR

Variants Missense Stop gained Synonymous

Markup loaded

Filter

No.	Exon / Intron	Start	End	Start Phase	End Phase	Length	Sequence
All	5' upstream sequence						.....cggaaggacacacgaggctgcttcgctgcacacccgagaaagtttcagcc
1	ENSE00003647779	149,390,623	149,390,922	-	-	300	AAACTTCGGGCGGCGGCTGAGGCGGCGGCCGAGGAGCGGCGGACTCGGGGCGCGGGGAGT CGAGGCATTTGCGCCTGTGCTTCGGACCGTAGCGCCAGGGCCTGAGCCTTTGAAGCAGGA GGAGGGGAGGAGAGAGTGGGGCTCCTCTATCGGGACCCCCTCCCCATGTGGATCTGCCCA GGCGGCGGCGGCGGCGGCGGCGGCGGCGGAGGAGGCGGCGACCGAGAAGATGCCCGCCCT GCGCCGCTCTGCTGTGGGCGCTGCTGGCGCTCTGGCTGTGCTGCGCGACCCCCGCGCATG
	Intron 1-2	149,390,923	149,430,933			40,011	gtgagtatcgggctgaggggcgctg.....aatgtgcatttgtttttattttag
2	ENSE00003715989	149,430,934	149,431,015	-	-	82	CATTGCAGTGTCGAGATGGCTATGAACCCTGTGTAAATGAAGGAATGTGTGTTACCTACC ACAATGGCACAGGATACTGCAA
	Intron 2-3	149,431,016	149,455,317			24,302	gtaagtttttctcttcatatatttt.....atggactcttctcttttccatacag
3	ENSE00003718698	149,455,318	149,455,577	-	-	260	ATGTCCAGAAGGCTTCTTGGGGGAATATTGTCAACATCGAGACCCCTGTGAGAAGAACCG CTGCCAGAATGGTGGGACTTGTGTGGCCCAGGCCATGCTGGGGAAAGCCACGTGCCGATG TGCCTCAGGGTTTACAGGAGAGGACTGCCAGTACTCGACATCTCATCCATGCTTTGTGTC TCGACCTTGCCTGAATGGCGGCACATGCCATATGCTCAGCCGGGATACCTATGAGTGCAC CTGTCAAGTCGGGTTTACAG
	Intron 3-4	149,455,578	149,463,490			7,913	gtaactaatgagaccaaagccagtg.....ctgagttttgttatccttcctttag
4	ENSE00003737191	149,463,491	149,463,826	-	-	336	GTAAGGAGTGCCAATGGACCGATGCCTGCCTGTCTCATCCCTGTGCAAATGGAAGTACCT GTACCACTGTGGCCAACCAGTTCTCCTGCAAATGCCTCACAGGCTTCACAGGGCAGAAGT GTGAGACTGATGTCAATGAGTGTGACATTCCAGGACACTGCCAGCATGGTGGCACCTGCC TCAACCTGCCTGGTTCCTACCAGTGCCAGTGCCTTCAGGGCTTCACAGGCCAGTACTGTG ACAGCCTGTATGTGCCCTGTGCACCCTCGCCTTGTGTCAATGGAGGCACCTGTCGGCAGA CTGGTGACTTCACTTTTGAGTGCAACTGCCTTCCAG
	Intron 4-5	149,463,827	149,475,640			11,814	gtaaggagctccctagtgtcccagg.....tctaattctgttattgcaactgcag
5	ENSE00003753588	149,475,641	149,476,107	-	1	467	ACGGTTACCTGGCACGCTGGCCACATTCTGCCTCACTCTTATCAGAGTCTGAGCTACTGG CAGTGCTTTCAGCTCTGAGTTGAGGCACCTCGAACCTTGTTTTTGTGGTGAAGGATCCTA AAGTGCTGTGGGGAGTGATCACATTTTTCACAACAGTAAGTTAAGAATTTCAGTTACTGA CATCCCTCAGTCCTGATTAAACCGATTTGATTTCACCAGTTTTTAACCCATCATATGTTT GGGTTTCTTCTCCCCAGTCCCTGACTCCACCTCTTCTGCCACAAACGTCAGCATGGTGGT ATCAGCCGGCCCTTGGTCCAGTGAGAAGGCAGAGATGAACATTCTAGAAATCAACGAGAC ATTGCGCCCCCAGCTGGCAGAGAAGAAACAGCAGTTCAGAAACCTCAAAGAGAAATGTTT TCTAACTCAACTGGCCGGCTTCCTGGCCAACCGACAGAAGAAATACA
	Intron 5-6	149,476,108	149,477,944			1,837	gtaagatctataggctcaccatcat.....ggcaggcgtgtctgtcttttctcag
6	ENSE00003678466	149,477,945	149,478,047	1	2	103	AGTATGAAGAGTGTAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAGGAGCTCAG
	Intron 6-7	149,478,048	149,478,879			832	gtgaggggaccccgtgggggggaggg.....aattttctctaccgtctcaccttag
7	ENSE00003465632	149,478,880	149,479,094	2	1	215	GCAATATAAAGTCCTGTTTCACTCTCAGGAACGAGAGCTGACCCAGTTAAGGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCC GGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 7-8	149,479,095	149,480,141			1,047	gtaaggtggccataggccctgatga.....tgaacgaacacttctgtatttacag
8	ENSE00003555483	149,480,142	149,480,214	1	2	73	AAAATGACAACGATGACGATGAAGATGTTCAAGTTGAGGTGGCTGAGAAAGTGCAGAAAT CGTCTGCCCCCAG
	Intron 8-9	149,480,215	149,480,678			464	gtaacactgaatactcaggaacaat.....atctctgtcccacctggctcatcag
9	ENSE00003520370	149,480,679	149,480,884	2	1	206	GGAGATGCAGAAGGCTGAAGAAAAGGAAGTCCCTGAGGACTCACTGGAGGAATGTGCCAT CACTTATTCAAATAGCCATGGCCCTTATGACTCCAACCAGCCACATAGGAAAACCAAAAT CACATTTGAGGAAGACAAAGTCGACTCAACTCTCATTGGCTCATCCTCTCATGTTGAATG GGAGGATGCTGTACACATTATTCCAG
	Intron 9-10	149,480,885	149,482,174			1,290	gtagcctctgttttccttgtgtctc.....cctgcttctctgaatttatttacag
10	ENSE00003538093	149,482,175	149,482,226	1	2	52	AAAATGAAAGTGATGATGAGGAAGAGGAAGAAAAAGGGCCAGTGTCTCCCAG
	Intron 10-11	149,482,227	149,486,129			3,903	gtaatgttgtggaattgttggctgt.....atccctgtcctgcctggctcatcag
11	ENSE00003699000	149,486,130	149,486,293	2	1	164	GAATCTGCAGGAGTCTGAAGAGGAGGAAGTCCCCCAGGAGTCCTGGGATGAAGGTTATTC GACTCTCTCAATTCCTCCTGAAATGTTGGCCTCGTACCAGTCTTACAGCAGCACATTTCA CTCATTAGAGGAACAGCAAGTCTGCATGGCTGTTGACATAGGCA
	Intron 11-12	149,486,294	149,487,331			1,038	gtgagtactccattgtgaaggtgat.....agggcccatctgaatttatttgcag
12	ENSE00003560616	149,487,332	149,487,383	1	2	52	GACATCGCTGGGATCAAGTGAAAAAGGAGGACCAAGAGGCAACAGGTCCCAG
	Intron 12-13	149,487,384	149,488,012			629	gtgagtctgagaaattgtggacagt.....tctttactttttcccactttccag
13	ENSE00003515012	149,488,013	149,488,185	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACGTATTGGAGCAACAGCGTGTTGGCTTGGCTATTGACATGGATG
	Intron 13-14	149,488,186	149,488,904			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
14	ENSE00003557536	149,488,905	149,488,956	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 14-15	149,488,957	149,489,560			604	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
15	ENSE00003736148	149,489,561	149,489,733	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGATTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 15-16	149,489,734	149,490,442			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
16	ENSE00003738848	149,490,443	149,490,494	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 16-17	149,490,495	149,491,138			644	gtaactgagcaattgtgaacagcta.....tctttactttttcctcctttccag
17	ENSE00003743099	149,491,139	149,491,311	2	1	173	GCTCAGCAGGGAGCTGGTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 17-18	149,491,312	149,492,025			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
18	ENSE00003730142	149,492,026	149,492,134	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 18-19	149,492,135	149,492,767			633	gtgactttcagcaattgtggatgct.....tctttactttttcccactttccag
19	ENSE00003747291	149,492,768	149,492,940	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 19-20	149,492,941	149,493,659			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
20	ENSE00003726706	149,493,660	149,493,711	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 20-21	149,493,712	149,494,317			606	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
21	ENSE00003720254	149,494,318	149,494,490	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGATTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 21-22	149,494,491	149,495,199			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
22	ENSE00003712605	149,495,200	149,495,251	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 22-23	149,495,252	149,495,901			650	gtaactgagcaattgtgaacagcta.....tctttactttttcctcctttccag
23	ENSE00003744328	149,495,902	149,496,074	2	1	173	GCTCAGCAGGGAGCTGGTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG

							TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 23-24	149,496,075	149,496,788			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
24	ENSE00003725852	149,496,789	149,496,897	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGA CAAAACCCACCATGCCCCAG
	Intron 24-25	149,496,898	149,497,524			627	gtgactttcagcaattgtggatgct.....tctttactttttcccactttccag
25	ENSE00003733215	149,497,525	149,497,697	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTATTGACATGGATG
	Intron 25-26	149,497,698	149,498,416			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
26	ENSE00003728769	149,498,417	149,498,468	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 26-27	149,498,469	149,499,072			604	gtaactttgagcaattatggatgct.....tctttactttttcctactttccag
27	ENSE00003744443	149,499,073	149,499,245	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGATTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 27-28	149,499,246	149,499,954			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
28	ENSE00003749325	149,499,955	149,500,006	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGACCCACCATGCCC AG
	Intron 28-29	149,500,007	149,500,656			650	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
29	ENSE00003715754	149,500,657	149,500,829	2	1	173	GCTCAGCAGGGAGCTGGTGGAGGTAGTA GCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 29-30	149,500,830	149,501,543			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
30	ENSE00003718710	149,501,544	149,501,652	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 30-31	149,501,653	149,502,285			633	gtgactttcagcaattgtggatgct.....tctttactttttcccactttccag
31	ENSE00003737662	149,502,286	149,502,458	2	1	173	CTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATG TATT AACTCCTTCAGGTTGTCTT AACTGACTGACTCATGCCAGCCCTA AGAAG TGCCTTTTACATATTGGAG AACAGTGTGTTGGCTTG TGTTGACATGGATG
	Intron 31-32	149,502,459	149,503,177			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
32	ENSE00003745623	149,503,178	149,503,229	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 32-33	149,503,230	149,503,833			604	gtaactttgagcaattatggatgct.....tctttactttttcctactttccag
33	ENSE00003733704	149,503,834	149,504,006	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAG CTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGATTCCTTCAGGTTATCTTGAACTGCCTGACT AGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGA A
	Intron 33-34	149,504,007	149,504,715			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
34	ENSE00003736199	149,504,716	149,504,767	1	2	52	GAATTAAAAAGGACCAAGAA AGGAAGAAGA C AGACCCACCATG CCCAG
	Intron 34-35	149,504,768	149,505,417			650	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
35	ENSE00003746881	149,505,418	149,505,590	2	1	173	GCTCAGCAGGGAGCTGGTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 35-36	149,505,591	149,506,304			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
36	ENSE00003735328	149,506,305	149,506,413	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCC AG
	Intron 36-37	149,506,414	149,507,046			633	gtgactttcagcaattgtggatgct.....tctttactttttcccactttccag
37	ENSE00003742618	149,507,047	149,507,219	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTTGGACATGGA G
	Intron 37-38	149,507,220	149,507,938			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
38	ENSE00003750581	149,507,939	149,507,990	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 38-39	149,507,991	149,508,594			604	gtaactttgagcaattatggatgct.....tctttactttttcctactttccag
39	ENSE00003731135	149,508,595	149,508,767	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGATTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 39-40	149,508,768	149,509,476			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
40	ENSE00003752814	149,509,477	149,509,528	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 40-41	149,509,529	149,510,178			650	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
41	ENSE00003748952	149,510,179	149,510,351	2	1	173	GCTCAGCAGGGAGCTGGTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 41-42	149,510,352	149,511,065			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
42	ENSE00003741559	149,511,066	149,511,174	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 42-43	149,511,175	149,511,807			633	gtgactttcagcaattgtggatgct.....tctttactttttcccactttccag
43	ENSE00003733902	149,511,808	149,511,980	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 43-44	149,511,981	149,512,699			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
44	ENSE00003715346	149,512,700	149,512,751	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 44-45	149,512,752	149,513,355			604	gtaactttgagcaattatggatgct.....tctttactttttcctactttccag
45	ENSE00003751323	149,513,356	149,513,528	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGATTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 45-46	149,513,529	149,514,237			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
46	ENSE00003712851	149,514,238	149,514,289	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 46-47	149,514,290	149,514,935			646	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
47	ENSE00003739490	149,514,936	149,515,108	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 47-48	149,515,109	149,515,821			713	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
48	ENSE00003738028	149,515,822	149,515,930	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 48-49	149,515,931	149,516,563			633	gtgactttcagcaattgtggatgct.....tctttactttttcccactttccag
49	ENSE00003743331	149,516,564	149,516,736	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 49-50	149,516,737	149,517,455			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
50	ENSE00003743658	149,517,456	149,517,507	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 50-51	149,517,508	149,518,109			602	gtaactttgagcaattatggatgct.....tctttactttttcctactttccag
51	ENSE00003556419	149,518,110	149,518,282	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 51-52	149,518,283	149,518,991			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
52	ENSE00003679870	149,518,992	149,519,043	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 52-53	149,519,044	149,519,687			644	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
53	ENSE00003656360	149,519,688	149,519,860	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 53-54	149,519,861	149,520,574			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
54	ENSE00003499298	149,520,575	149,520,683	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 54-55	149,520,684	149,521,318			635	gtgactttcagcaattgtggatgct.....tctttactttttcccactttccag
55	ENSE00003726298	149,521,319	149,521,491	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 55-56	149,521,492	149,522,210			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
56	ENSE00003725951	149,522,211	149,522,262	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG

	Intron 56-57	149,522,263	149,522,864			602	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
57	ENSE00003752451	149,522,865	149,523,037	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 57-58	149,523,038	149,523,746			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
58	ENSE00003723796	149,523,747	149,523,798	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 58-59	149,523,799	149,524,444			646	gtaactgagcagttgtgaacagcta.....tctttactttttcctccttttccag
59	ENSE00003749424	149,524,445	149,524,617	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 59-60	149,524,618	149,525,331			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
60	ENSE00003699710	149,525,332	149,525,440	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 60-61	149,525,441	149,526,069			629	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
61	ENSE00003714038	149,526,070	149,526,242	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTTGGCATGGATG
	Intron 61-62	149,526,243	149,526,961			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
62	ENSE00003745452	149,526,962	149,527,013	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 62-63	149,527,014	149,527,613			600	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
63	ENSE00003745019	149,527,614	149,527,786	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 63-64	149,527,787	149,528,495			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
64	ENSE00003718251	149,528,496	149,528,547	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 64-65	149,528,548	149,529,173			626	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
65	ENSE00003730136	149,529,174	149,529,346	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 65-66	149,529,347	149,530,060			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
66	ENSE00003736981	149,530,061	149,530,169	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 66-67	149,530,170	149,530,798			629	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
67	ENSE00003715273	149,530,799	149,530,971	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 67-68	149,530,972	149,531,690			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
68	ENSE00003726444	149,531,691	149,531,742	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 68-69	149,531,743	149,532,344			602	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
69	ENSE00003727313	149,532,345	149,532,517	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 69-70	149,532,518	149,533,226			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
70	ENSE00003720378	149,533,227	149,533,278	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 70-71	149,533,279	149,533,924			646	gtaactgagcagttgtgaacagcta.....tctttactttttcctccttttccag
71	ENSE00003751813	149,533,925	149,534,097	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 71-72	149,534,098	149,534,811			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
72	ENSE00003731688	149,534,812	149,534,920	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 72-73	149,534,921	149,535,553			633	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
73	ENSE00003750990	149,535,554	149,535,726	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 73-74	149,535,727	149,536,445			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
74	ENSE00003747610	149,536,446	149,536,497	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 74-75	149,536,498	149,537,099			602	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
75	ENSE00003727161	149,537,100	149,537,272	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 75-76	149,537,273	149,537,981			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
76	ENSE00003748384	149,537,982	149,538,033	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 76-77	149,538,034	149,538,675			642	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
77	ENSE00003723571	149,538,676	149,538,848	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 77-78	149,538,849	149,539,562			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
78	ENSE00003713606	149,539,563	149,539,671	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 78-79	149,539,672	149,540,300			629	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
79	ENSE00003752883	149,540,301	149,540,473	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 79-80	149,540,474	149,541,192			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
80	ENSE00003715306	149,541,193	149,541,244	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 80-81	149,541,245	149,541,852			608	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
81	ENSE00003743200	149,541,853	149,542,025	2	1	173	GCTCAGCAGGGAGCTGCTGGCTGAGAAAGAGCCTGAAGTCTTGCAGGACCCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 81-82	149,542,026	149,542,734			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
82	ENSE00003715955	149,542,735	149,542,786	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 82-83	149,542,787	149,543,412			626	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
83	ENSE00003754858	149,543,413	149,543,585	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG A TTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 83-84	149,543,586	149,544,299			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
84	ENSE00003733203	149,544,300	149,544,408	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 84-85	149,544,409	149,545,037			629	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
85	ENSE00003723629	149,545,038	149,545,210	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 85-86	149,545,211	149,545,929			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
86	ENSE00003746389	149,545,930	149,545,981	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 86-87	149,545,982	149,546,589			608	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
87	ENSE00003712681	149,546,590	149,546,762	2	1	173	GCTCAGCAGGGAGCTGCTGGCTGAGAAAGAGCCTGAAGTCTTGCAGGACCCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 87-88	149,546,763	149,547,471			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
88	ENSE00003715291	149,547,472	149,547,523	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 88-89	149,547,524	149,548,149			626	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
89	ENSE00003716498	149,548,150	149,548,322	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG

	Intron 89-90	149,548,323	149,549,036			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
90	ENSE00003720319	149,549,037	149,549,145	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 90-91	149,549,146	149,549,774			629	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
91	ENSE00003727926	149,549,775	149,549,947	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTACATATTGGAGCAACAGTGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 91-92	149,549,948	149,550,666			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
92	ENSE00003732588	149,550,667	149,550,718	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 92-93	149,550,719	149,551,326			608	gtaactttgagcaattatggatgct.....tctttactttttcctactttttccag
93	ENSE00003739562	149,551,327	149,551,499	2	1	173	GCTCAGCAGGGAGCTGCTGGCTGAGAAAGAGCCTGAAGTCTTGCAGGACCCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 93-94	149,551,500	149,552,208			709	gtgagtaccttactatgaaggtgat.....ctgtccctgtctgaatgtattgcag
94	ENSE00003729889	149,552,209	149,552,260	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 94-95	149,552,261	149,552,886			626	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
95	ENSE00003716026	149,552,887	149,553,059	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 95-96	149,553,060	149,553,773			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
96	ENSE00003742665	149,553,774	149,553,882	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 96-97	149,553,883	149,554,494			612	gtgactttcagcaattgtggatgct.....tctttagttttgtctccttttccag
97	ENSE00003668469	149,554,495	149,556,361	2	-	1,867	GCTCAACAGCGTGCTGATGGAAGTGGAAGAGCCTGAAGTCTTACAGGACTCACTGGATGG ATGTTATTCGACTCCGTCAATGTACTTTGAACTACCTGACTCATTCCAGCACTACAGAAG TGTGTTTTACTCATTTGAGGAAGAGCATATCAGCTTCGCCCTTTACTTGGACAATAGGTT TTTTACTTTGACGGTGACAAGTCTCCATCTGGTGTTCCAGATGTTAGTCATATTCCCACA ATAGGCAGCCCTTACTAAGCCGAGAGATGTCATTCCTGCAGGCAGGACCTATAGGCACGT GAAGATTTGAATGAAACTACAGTTCCATTTGGAAGCCCAGACATAGGATGGGTCAGTGGG CATGGCTCTTTTCCTATTCTCAAACCATGCCAGTGGCAACCTGTGCTCAGTCTGAAGACA ATGGACCCACGTTAGGTGTGACACGTTCACATAACTGTGCAGCACATGCCGGGAGTGATC AGTCGGACATTTTAATTTGAACCACGTATCTTTGGGTAGCTACAAAATTCCTCAGGGATT TCATTTTGCAGGCATGTCTCTGAGCTTCTATACCTGCTCAAGGTCAGTGTCATCTTTGTG TTTAGCTCATCCAAAGGTGTTACCCTGGTTTCAATGAACCTAACCTCATTCTTTGTGTCT TCAGTGTTGGCTTGTTTTAGCTGATCCATCTGTAACACAGGAGGGATCCTTGGCTGAGGA TTGTATTTCAGAACCACCAACTGCTCTTTACAATTGTTAACCCGCTAGGCTCCTTTGGTT AGAGAAGCCACAGTCCTTCAGCCTCCAATTGGTGTCAGTACTTAGGAAGACCACAGCTAG ATGGACAAACAGCATTGGGAGGCCTTAGCCCTGCTCCTCTCAATTCCATCCTGTAGAGAA CAGGAGTCAGGAGCCGCTGGCAGGAGACAGCATGTCACCCAGGACTCTGCCGGTGCAGAA TATGAACAATGCCATGTTCTTGCAGAAAACGCTTAGCCTGAGTTTCATAGGAGGTAATCA CCAGACAACTGCAGAATGTAGAACACTGAGCAGGACAACTGACCTGTCTCCTTCACATAG TCCATATCACCACAAATCACACAACAAAAAGGAGAAGATATATTTTGGGTTCAAAAAAAG TAAAAAGATAATGTAGCTGCATTTCTTTAGTTATTTTGAACCCCAAATATTTCCTCATCT TTTTGTTGTTGTCATGGATGGTGGTGACATGGACTTGTTTATAGAGGACAGGTCAGCTCT CTGGCTCAATGATCTACATTCTGAAGTTGTCTGAAAATGTCTTCATGATTAAATTCAGCC TAAACGTTTTGCCGGGGAACACTGCAGAGACAATGCTGTGAGTTTCCAACCTCAGCCCATC TGCGGGCAGAGAAGGTCTAGTTTGTCCATCACCATTATGATATCAGGACTGGTTACTTGG TTAAGGAGGGGTCTAGGAGATCTGTCCCTTTTAGAGACACCTTACTTATAATGAAGTACT TGGGAAAGCGGTTTTCAAGAGTATAAATATCCTGTATTCTAATGATCATCCTCTAAACAT TTTATCATTTATTAATCCTCCCTGCCTGTGTCTATTATTATATTCATATCTCTACGCTGC AAAATTTGGGTCTCAATTTTTACTGTGCCTTTGTTTTTACTAGTGTCTGCTGTTGCAAAA AGAAGAAAACATTCTCTGCCTGAGTTTTAATTTTTGTCCAAAGTTAATTTTAATCTATAC AATTAAAACCTTTTGCCTATCACTCTGGACTTTTGGATTGTTTTTTACATTCAGTGTTAT AATATTTGATTATGCTGATTGGTTTTGGTGGGTACTGATGTGAATTAATAAAAACATTTC ATTTCCA
	3' downstream sequence						tgtttattttctaatctcttccacattgtaggctatgtttaccatatgta.....

Filter

Domain source	Start	End	Description	Accession	InterPro
PANTHER	1	2795	-	PTHR14199	-
PANTHER	1	2795	-	PTHR14199:SF16	-
Prosite_profiles	165	257	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	180	240	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	258	329	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	266	328	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	330	421	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	338	404	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	413	479	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	424	479	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	480	572	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	488	554	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	573	665	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	582	648	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	657	723	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	668	723	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	724	816	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	732	798	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	817	909	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	826	892	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	901	967	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	912	967	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	968	1060	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	976	1042	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1061	1153	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1070	1136	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1145	1211	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1156	1211	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1212	1304	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1220	1286	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1305	1397	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1314	1380	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1389	1455	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1400	1455	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1456	1548	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1464	1530	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1549	1641	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1558	1624	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1633	1699	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1644	1699	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1700	1792	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1708	1774	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1793	1885	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]

Pfam	1802	1868	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1877	1943	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1888	1943	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1944	2036	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1952	2018	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2037	2129	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2046	2112	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2121	2187	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2132	2187	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2188	2280	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2196	2262	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2281	2373	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2290	2356	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2365	2431	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2376	2431	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2432	2524	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2440	2506	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2525	2617	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2534	2600	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2609	2675	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2620	2675	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2676	2768	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2684	2750	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2769	2861	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2778	2844	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2853	2919	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2864	2919	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2920	3012	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2928	2994	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3013	3105	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3022	3088	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3097	3163	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3108	3163	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3164	3256	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3172	3238	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3257	3349	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3266	3332	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3341	3407	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3352	3407	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3408	3500	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3416	3482	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3501	3593	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3510	3576	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3585	3651	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3596	3651	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3652	3744	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]

Pfam	3660	3726	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3745	3843	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3754	3820	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Exons/ Introns	Translated sequence	Flanking sequence	Intron sequence	UTR
Variants	Missense	Stop gained	Synonymous	
Markup	loaded			

Filter

No.	Exon / Intron	Start	End	Start Phase	End Phase	Length	Sequence
	5' upstream sequence						..........gtttcttctccccagtccctgactccacctcttctgccacaaacgtcagc
1	ENSE00003738728	148,595,717	148,595,543	0	1	175	ATGGTGGTATCAGCCGGCCCTTGGTCCAGTGAGAAGGCAGAGATGAACATTCTAGAAATC AACGAGACATTGCGCCCCCAGCTGGCAGAGAAGAAACAGCAGTTCAGAAACCTCAAAGAG AAATGTTTTCTAACTCAACTGGCCGGCTTCCTGGCCAACCAACAGAAGAAATACA
	Intron 1-2	148,595,542	148,593,701			1,842	gtaagatctataggctcaccatcat..........ggcaggcgtgtctgtcttttctcag
2	ENSE00003624656	148,593,700	148,593,598	1	2	103	AGTATGAAGAGTGTAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGG AGGAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAGGAGCTCAG
	Intron 2-3	148,593,597	148,592,767			831	gtgaggggaccccgtagggggaggc..........aattttctctaccgtctcaccttag
3	ENSE00003667412	148,592,766	148,592,552	2	1	215	GCAATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGACCCAGCTAAGGGAGAAGTT ACGGGAAGGGAGAGATGCCTCCCGCTCATTGTATGAGCATCTCCAGGCCCTCCTCACTCC GTATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 3-4	148,592,551	148,591,505			1,047	gtaaggtggccataggccctgatga..........ctgaacgaacattttgtatttctag
4	ENSE00003688061	148,591,504	148,591,432	1	2	73	AAAATGACGAAGATGAGGATGAAGATGTTCAAGTTGAGGAGGCTGAGAAAGTACTGGAAT CATCTGCCCCCAG
	Intron 4-5	148,591,431	148,590,969			463	gtaacactgaatactcaggagcaag..........atctctgtcccacctggctcatcag
5	ENSE00003500762	148,590,968	148,590,757	2	1	212	GGAGGTGCAGAAGGCTGAAGAGAGCAAAGTCCCTGAGGACTCACTGGAGGAATGTGCCAT CACTTGTTCAAATAGCCACGGCCCTTGTGACTCCAACCAGCCTCACAAGAACATCAAAAT CACATTTGAGGAAGACGAAGTCAACTCAACTCTGGTTGTAGACAGAGAATCCTCTCATGA TGAATGTCAGGATGCTCTAAACATTCTCCCAG
	Intron 5-6	148,590,756	148,589,394			1,363	gtagcctctattttccttgtgtctc..........atgtgtttgcctttcttctccccag
6	ENSE00003477007	148,589,393	148,589,184	1	1	210	TCCCTGGCCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGT CCAGCGAGAAGGCAGAGATGAACATTCTAGAAATCAATGAGAAATTGCGCCCCCAGCTGG CAGAGAAGAAACAGCAGTTCAGAAACCTCAAAGAGAAATGTTTTCTAACTCAACTGTCCG GCTTCCTGGCCAACCAACAGAAGAAATACA
	Intron 6-7	148,589,183	148,587,404			1,780	gtaagatctataggctcaccatcat..........ggtaggtgtgtctgtcttttctcag
7	ENSE00003460569	148,587,403	148,587,301	1	2	103	AATATGAAGAGTGCAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGG AGGAGAAGCTTGCGGAGCAGCTGAAGCAAGCTGAGGAGCTCAG
	Intron 7-8	148,587,300	148,586,470			831	gtgaggggaccccatgggggcaggc..........aattttctctaccgtctcaccttag
8	ENSE00003540128	148,586,469	148,586,255	2	1	215	GCAATATAAAGTCCTGGTTCACGCTCAGGAACGAGAGCTGACCCAGTTAAGGGAGAAGTT GCGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCC GGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAG ACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAG
	Intron 8-9	148,586,254	148,585,214			1,041	gtaaggtggccataggccctgatga..........tgaacgaacacttctgtatttacag
9	ENSE00003479616	148,585,213	148,585,141	1	2	73	AAAATGACAACGATGACGATGAAGATGTTCAAGTTGAGGTGGCTGAGAAAGTGCAGAAAT CGTCTGCCCCCAG
	Intron 9-10	148,585,140	148,584,677			464	gtaacactgaatactcaggaacaat..........atctctgtcccacctggctcatcag
10	ENSE00003625831	148,584,676	148,584,471	2	1	206	GGAGATGCAGAAGGCTGAAGAAAAGGAAGTCCCTGAGGACTCACTGGAGGAATGTGCCAT CACTTATTCAAATAGCCATGGCTCTTATGACTCCAACCAGCCACATAGGAAAACCAAAAT CACATTTGAGGAAGACAAAGTCGACTCAACTCTCATTGGCTCATCCTCTCATGTTGAATG GGAGGATGCTGTACACATTATTCCAG
	Intron 10-11	148,584,470	148,583,193			1,278	gtagcctctgttttccttgtgtctc..........cctgcttctctgaatttatttacag
11	ENSE00003527998	148,583,192	148,583,141	1	2	52	AAAATGAAAGTGATGATGAGGAAGAGGAAGAAAAAGGGCCAGTGTCTCCCAG
	Intron 11-12	148,583,140	148,579,238			3,903	gtaatgttgtggaattgttggctgt..........atccctgtcctgcctggctcatcag
12	ENSE00003599309	148,579,237	148,579,074	2	1	164	GAATCTGCAGGAGTCTGAAGAGGAGGAAGTCCCCCAGGAGTCCTGGGATGAAGGTTATTC GACTCTCTCAATTCCTCCTGAAATGTTGGCCTCGTACCAGTCTTACAGCAGCACATTTCA CTCATTAGAGGAACAGCAAGTCTGCATGGCTGTTGACATAGGCA
	Intron 12-13	148,579,073	148,578,035			1,039	gtgagtactccattgtgaaggtgat..........agggcacatctgaatttatttgcag
13	ENSE00003618413	148,578,034	148,577,983	1	2	52	GACATCGGTGGGATCAAGTGAAAAAGGAGGACCAAGAGGCAACAGGTCCCAG
	Intron 13-14	148,577,982	148,577,356			627	gtgagtctgagaaattgtggacagt..........tctttactttttcccactttccag
14	ENSE00003566047	148,577,355	148,577,183	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 14-15	148,577,182	148,576,462			721	gtgagtacctttctatgaaggtgat..........ctgtccatgtctgaacttattgcag
15	ENSE00003460738	148,576,461	148,576,410	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 15-16	148,576,409	148,575,812			598	gtaactttgagcaattatggatgct..........tctttactttttcctacttttccag
16	ENSE00003491316	148,575,811	148,575,639	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 16-17	148,575,638	148,574,930			709	gtgagtaccttactgtgaaggtgat..........ctgtccctgtctgaatgtattgcag
17	ENSE00003743896	148,574,929	148,574,878	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 17-18	148,574,877	148,571,038			3,840	gtaactgagcaattgtgaacagcta..........tctttactttttcctccttttccag
18	ENSE00003731305	148,571,037	148,570,865	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG

	Intron 18-19	148,570,864	148,570,151			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
19	ENSE00003722865	148,570,150	148,570,042	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 19-20	148,570,041	148,569,428			614	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
20	ENSE00003729288	148,569,427	148,569,255	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 20-21	148,569,254	148,568,534			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
21	ENSE00003711949	148,568,533	148,568,482	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 21-22	148,568,481	148,567,886			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
22	ENSE00003730852	148,567,885	148,567,713	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 22-23	148,567,712	148,567,004			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
23	ENSE00003748882	148,567,003	148,566,952	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 23-24	148,566,951	148,566,316			636	gtaactgagcaattgtgaacagcta.....tctttacctttcctcctttccag
24	ENSE00003714020	148,566,315	148,566,143	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 24-25	148,566,142	148,565,429			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
25	ENSE00003746919	148,565,428	148,565,320	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 25-26	148,565,319	148,564,712			608	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
26	ENSE00003727356	148,564,711	148,564,539	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 26-27	148,564,538	148,563,818			721	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
27	ENSE00003732642	148,563,817	148,563,766	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 27-28	148,563,765	148,563,170			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
28	ENSE00003743869	148,563,169	148,562,997	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 28-29	148,562,996	148,562,288			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
29	ENSE00003754278	148,562,287	148,562,236	1	2	52	GAATTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 29-30	148,562,235	148,561,580			656	gtaactgagcaattgtgaacagcta.....tctttactttttcctcctttccag
30	ENSE00003745445	148,561,579	148,561,407	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 30-31	148,561,406	148,560,693			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
31	ENSE00003731359	148,560,692	148,560,584	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 31-32	148,560,583	148,559,966			618	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
32	ENSE00003736335	148,559,965	148,559,793	2	1	173	GCTCAGCAGGGAGCTGCTGCATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTATAGAAG TGCCTTTTACATATTGGAGCAGCAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 32-33	148,559,792	148,559,073			720	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
33	ENSE00003715920	148,559,072	148,559,021	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 33-34	148,559,020	148,558,425			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
34	ENSE00003718210	148,558,424	148,558,252	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 34-35	148,558,251	148,557,543			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
35	ENSE00003723339	148,557,542	148,557,491	1	2	52	GATTTAAAAAGGACGAAGAAGAGGAAGAAGACCAAGACCCACCATGCCCCAG
	Intron 35-36	148,557,490	148,556,863			628	gtaactgagcaattgtgaacagcta.....tctttactttttcctcctttccag
36	ENSE00003717733	148,556,862	148,556,690	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATG TATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGATGTGGGAG
	Intron 36-37	148,556,689	148,555,976			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
37	ENSE00003752237	148,555,975	148,555,867	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 37-38	148,555,866	148,555,253			614	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
38	ENSE00003746426	148,555,252	148,555,080	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 38-39	148,555,079	148,554,361			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
39	ENSE00003714278	148,554,360	148,554,309	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 39-40	148,554,308	148,553,713			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
40	ENSE00003750239	148,553,712	148,553,540	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 40-41	148,553,539	148,552,831			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
41	ENSE00003688833	148,552,830	148,552,779	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 41-42	148,552,778	148,552,149			630	gtaactgagcaattgtgaacagcta.....tctttactttttcctcctttccag
42	ENSE00003686778	148,552,148	148,551,976	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 42-43	148,551,975	148,551,262			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
43	ENSE00003544219	148,551,261	148,551,153	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 43-44	148,551,152	148,550,545			608	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
44	ENSE00003718137	148,550,544	148,550,372	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 44-45	148,550,371	148,549,653			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
45	ENSE00003744233	148,549,652	148,549,601	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 45-46	148,549,600	148,549,005			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
46	ENSE00003725603	148,549,004	148,548,832	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 46-47	148,548,831	148,548,123			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
47	ENSE00003748994	148,548,122	148,548,071	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 47-48	148,548,070	148,547,441			630	gtaactgagcaattgtgaacagcta.....tctttactttttcctcctttccag
48	ENSE00003733881	148,547,440	148,547,268	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 48-49	148,547,267	148,546,554			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
49	ENSE00003719561	148,546,553	148,546,445	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 49-50	148,546,444	148,545,837			608	gtgactttcagcaattgtggatgct.....tctttactttttcccactttttccag
50	ENSE00003745017	148,545,836	148,545,664	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 50-51	148,545,663	148,544,945			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
51	ENSE00003752392	148,544,944	148,544,893	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 51-52	148,544,892	148,544,297			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
52	ENSE00003740124	148,544,296	148,544,124	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 52-53	148,544,123	148,543,415			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
53	ENSE00003751493	148,543,414	148,543,363	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 53-54	148,543,362	148,542,727			636	gtaactgagcaattgtgaacagcta.....tctttactttttcctcctttccag
54	ENSE00003721231	148,542,726	148,542,554	2	1	173	GCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTA GAAG

							TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGATGTGGGAG
	Intron 54-55	148,542,553	148,541,840			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
55	ENSE00003747137	148,541,839	148,541,731	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 55-56	148,541,730	148,541,123			608	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
56	ENSE00003747118	148,541,122	148,540,950	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 56-57	148,540,949	148,540,231			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
57	ENSE00003748807	148,540,230	148,540,179	1	2	52	AAATTGAAAAGTACAAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 57-58	148,540,178	148,539,583			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
58	ENSE00003752493	148,539,582	148,539,410	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTA TCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 58-59	148,539,409	148,538,701			709	gtgagtaccttactgtgaaggtgat.....ctgtccctgtctgaatgtattgcag
59	ENSE00003727003	148,538,700	148,538,649	1	2	52	GAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAG
	Intron 59-60	148,538,648	148,538,007			642	gtaactgagcaattgtgaacagcta.....tctttactttttcctccttttccag
60	ENSE00003750327	148,538,006	148,537,834	2	1	173	GCTCAGCAGGGAGCTCCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAG TTCCTTTTATGCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAG
	Intron 60-61	148,537,833	148,537,120			714	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaatttattgcag
61	ENSE00003715637	148,537,119	148,537,011	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 61-62	148,537,010	148,536,397			614	gtgactttcagcaattgtggatgct.....tctttactttttcccacttttccag
62	ENSE00003735043	148,536,396	148,536,224	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCCAGCCCTACAGAAG TGCCTTTTATGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATG
	Intron 62-63	148,536,223	148,535,505			719	gtgagtacctttctatgaaggtgat.....ctgtccatgtctgaacttattgcag
63	ENSE00003744995	148,535,504	148,535,453	1	2	52	AAATTGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAG
	Intron 63-64	148,535,452	148,534,857			596	gtaactttgagcaattatggatgct.....tctttactttttcctacttttccag
64	ENSE00003753215	148,534,856	148,534,684	2	1	173	GCTCAGCAGGGAGCTGCTGGATGAGAAAGATCCTGAAGTCTTGCAGGACTCACTGGATAG ATGTTATTCGACTCCTTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAG TGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCTTGACGTGGACA
	Intron 64-65	148,534,683	148,533,970			714	gtgagtaccttactatgaaggtgat.....ctgtccatgtctgaatttattgcag
65	ENSE00003745025	148,533,969	148,533,861	1	2	109	AAATTGAAAAGAAGGGGAAGGGGAAAAAAAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAA GAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCCACCATGCCCCAG
	Intron 65-66	148,533,860	148,533,249			612	gtgactttcagcaattgtggatcct.....tctttagttttgtctccttttccag
66	ENSE00003740040	148,533,248	148,531,385	2	-	1,864	GCTCAACGGCGTGCTGATGGAAGTG AAGAGCGTGAAGTCTTACAGGACTCACTGGATAG ATGTTATTCGACTCCGTCAATGTACTTTGAACTACCTGACTCATTCCAGCACTACAGAAG TGTGTTTTACTCATTTGAGGAACAGCACATCAGCTTCGCCCTTTACGTGGACAATAGGTT TTTTACTT GACGGTGACAAGTCTCCACCTGGTGTTCCAGATGGGAGTCATATTCCCACA ATAAGCAGCCCTTAGTAATCCGAGAGATGTCATTCCTGCAGGCAGGACCTATAGGCAAGT GAAGATTTGAATGAAAGTACAGTTCCATTTGGAAGCCCAGACATAGGATGGGTCAGTGGG CATGGCTCTATTCCTATTCTCAAACCATGCCAGTGGAAACCTGTGCGCAGTCTGAAGACA ATGGACCCACGTTAGGTGTGACACGTCACATAACTGTGCAGCACATGCCGGGAGTGATC AGTCAGACATTTTAATTTGAACCACGTATCTCTGGGTAGCTACAAAATTCCTCAGGGATT TCATTTTGCAGGCATGTCTCTGAGCTTCTATACCTGCTCAAGGTCATTGTCATCTTTGTG TTTAGCTCATCCAAAGGTGTTACCCTGGTTTCAATGAACCTAACCTCATTCTTTGTGTCT TCAGTGTTGGCTTGTTTTAGCTGATCCATCTGTAACACAGGAGGGATCCTTGGCTGAGGA TTGTATTTCAGAACCACCAACTGCTCTTGACAATTGTTAACCCGCTAGACTCCTTTGGTT AGAGAAGCCACAGTCCTTCAGCCTCCAATTGGTGTCAGTACTTAGGAAGACCACAGCTAG ATGGACAAACAGCATTGGGAGGCCTTAGCCCTGCTCCTCTCTATTCCATCCTGTAGAGGT CAGGAGTCAGGAGTCGCTGGCAGGAGACAGCATGTCACCCAGGACTCTGCCGGTGCAGAA TATGAACAATGCCATGTTCTTGCAGAAAACGCTTAGCCTGAGTTTCATAGGAGGTAATCA CCAGACAACTGCAGAATGTAGAACACTGAGCAGGACAACTGACCTGTCTCCTTCACATAG TCCATATCACCACAAATCACACAACAAAAAGGAGAAGAGATATTTTGGGTTCAAAAAAAG TAAAAAGATAATGTAGCTGCATTTCTTTAGTTATTTTGAACCCCAAATATTTCCTCATCT TTTTGTTGTTGTCATGGATGGTGGTGACATGGACTTGTTTATAGAAGACAGGTCAGCTGT CTGGCTCAATGATCTACATTCTGAAGTTGTCTGAAAATGTCTTCATGATTAAATTCAGCC TAAACGTTTTGCCAGGAACACTGCAGAGACAATGCTGTGAGTTTCCAACCTCAGCCCATC TGCGGGCAGAGAAGGTCTAGTTTGTCCATCACCATTATGATATCAGGACTGGTTACTTGG TTAAGGAGGGGTCTAGGAGATCTGTCCCTTTTAGAGACACCTTACTTACAATGAAGTACT TGGGAAAGTGGTTTTCAAGAGTATAAATATCCTGTATTCTAATGATCATCCTCTAAACAT TTTATCATTTATTAATCCTCCCTGCCTGTGTCTATTATTATATTCATATCTCTACACTGC AAATTTGGGGTCTCAATTTTTACTGTGCCTTTGTTTTTACTAGTGTCTGCTGTTGCAAAA AGAAGACATTCTCTGCCTGAGTTTTAATTTTTGTCCAAAGTTAATTTTAATCTATACAAT TAAAACCTTTTGCCTATCACTCTGGACTTTTGGATTGTTTTTTACATTCAGTGTTATAAT ATTTGATTATGGTGATTGGTTTTGGTGGGTACTGATGCGAATTAATAAAAACATTTCATT TCCA
	3' downstream sequence						tgtttattttctaatctcttccacattgtaggctatgtttaccatatgta.....

Domain source	Start	End	Description	Accession	InterPro
PANTHER	2107	4572	-	PTHR14199	-
PANTHER	2107	4572	-	PTHR14199:SF16	-
Pfam	3	60	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	5	77	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	69	135	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	80	135	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	136	228	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	144	210	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	229	321	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	238	304	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	313	379	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	324	379	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	380	472	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	388	454	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	473	565	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	482	548	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	557	623	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	568	623	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	624	716	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	632	698	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	717	809	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	726	792	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	801	867	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	812	867	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	868	960	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	876	942	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	961	1053	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	970	1036	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1045	1111	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1056	1111	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1112	1204	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1120	1186	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1205	1297	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1214	1280	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1289	1355	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1300	1355	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1356	1448	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1364	1430	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1449	1541	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1458	1524	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Pfam	1533	1599	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1544	1599	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1600	1692	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1608	1674	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1693	1785	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1702	1768	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	1777	1843	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1788	1843	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	1844	1936	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1852	1918	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	1937	2029	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	1946	2012	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2021	2087	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2032	2087	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2088	2180	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2096	2162	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2181	2273	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2190	2256	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2265	2331	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2276	2331	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2332	2424	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2340	2406	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2425	2517	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2434	2500	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2509	2575	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2520	2575	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2576	2668	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2584	2650	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2669	2761	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2678	2744	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2753	2819	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2764	2819	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	2820	2912	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2828	2894	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	2913	3005	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	2922	2988	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	2997	3063	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3008	3063	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3064	3156	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3072	3138	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3157	3249	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3166	3232	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Pfam	3241	3307	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3252	3307	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3308	3400	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3316	3382	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3401	3493	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3410	3476	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3485	3551	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3496	3551	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3552	3644	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3560	3626	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3645	3737	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3654	3720	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3729	3795	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3740	3795	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	3796	3888	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3804	3870	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3889	3981	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	3898	3964	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	3973	4039	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	3984	4039	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	4040	4132	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4048	4114	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4133	4225	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4142	4208	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	4217	4283	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4228	4283	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	4284	4376	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4292	4358	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4377	4452	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4386	4452	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4453	4545	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4461	4527	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4546	4621	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4555	4621	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4622	4713	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4630	4696	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Pfam	4705	4771	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4716	4771	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	4772	4864	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4780	4846	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4865	4957	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	4874	4940	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]

Pfam	4949	5015	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	4960	5015	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Prosite_profiles	5016	5108	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	5024	5090	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]
Prosite_profiles	5109	5207	Neuroblastoma breakpoint family (NBPF) domain	PS51316	IPR010630 [Display all genes with this domain]
Pfam	5118	5184	Neuroblastoma breakpoint family (NBPF) domain	PF06758	IPR010630 [Display all genes with this domain]