

SCN1A	ccactagatggcgatgtaatgtaaggtgctgtc-----ttgactttttttttttttttttttgaaacaagctat ttgctGATTT	77
SCN2A	..gg.....a.c...c.....a.....c-----t.t.a...a.....c.aa.tt.g.t...g...t.a.cag	77
SCN3A	..g.....g..acc..ct.tga...ga..ggcct.ttt.c...c.....cctca.....g...t.....a.	82
SCN1A	GTATTAGGTACCATAGAGTG-----AGGCGAGGATG-AAGCCGAGAGGATACTGCAGAGGTCTCTGGTGCATG	144
SCN2A	ac...g.....c..a..actgtcAGAACAGA.A.T.A.GCA...GA.G.....G...TG.TCA..CT.T-----	151
SCN3A	a.g.g.....actgtcagAACAGA.A...GA.GCAT...A.....T...G.A.....-----	155
SCN1A	TGTGTATGTGTGCGTTTGTGTGTGTTGTGTGTCTGTGTGTTCTGCCCCAGTGAGACTGCAG-----CCCTTGTAATACT	220
SCN2A	-----C...T.T-----...T.TTT.A...GA.AG.....A.A..G.G..T.	195
SCN3A	-----...T-----...TAT...CA...AA.A.AGAAAAAAAAA.....C.A.	203
SCN1A	TTGACACCTTTTGC-----AAGAAGGAATCTGAACAATTGCAACTGAAGGCACATTGTTATCATCTCGTC	285
SCN2A	..ACTTT..AC.C-----GT..AA.T.....G.....TTG..GA--CTG..A.AT...A.A.A.A	258
SCN3A	..TA.A.C.C..TGGTCAAAAAAAAAAAAAA..A..AA..G.....GC...GAG...A...G..A.ACC.TAAC.A..	285
SCN1A	TTTGGGT--GATGCTGTTCTCACTGCA---GATGGATAATTTTCCTTTTAATCAGgtaagccatctaattgtttcatct	360
SCN2A	CG...A.TCTG..T.A.GAT.T-----T...ATT.....g.atga--ct.t.	321
SCN3A	..G-----GG.T.TGT.ATGCTGTA..TC...GGC..TG..T.....tga.a..aca.....	360

Supplementary Figure 1