

Real-time PCR efficiency, Na_v genes

Gene	Slope of standard curve	PCR efficiency
<i>SCN1A</i>	-3.334	1.99
<i>SCN2A</i>	-3.357	1.99
<i>SCN3A</i>	-3.255	2.03
<i>SCN8A</i>	-3.32	2.00

PCR efficiency (E) was calculated from $E = 10^{(-1/k)}$, where k is the slope of the standard curve. The respective primer sequences are compiled in Table 1.

Table 2: Primer details for real-time PCR

Target	Forward	Reverse
<i>β-actin</i>	GATCAAGATCATTGCTCCTCCT	GGGTGTAACGCAACTAAGTCA
<i>Sox2 (tg[*])</i>	ACGGCCATTAACGGCACACTG	
<i>Klf4 (tg)</i>	CACCTCGCCTTACACATGAAGAG	CCCTTTTCTGGAGACTAAATAAA
<i>Oct3/4 (tg)</i>	TCTGGGCTCTCCCATGCATTCAAAC	
<i>c-Myc (tg)</i>	CTTGAACAGCTACGGAACTCTTG	
<i>SCN1A</i>	AACAGAATCAGGCCACCTTG	CACTGGGCTCTCTGGAATG
<i>SCN2A</i>	GCTACACGAGCTTTGACACC	CCCAAGAAAATGACCAGCAC
<i>SCN3A</i>	ATGGTGTGGTTTCCTTGGTG	TGACTTCCGTTTCTGTGGTG
<i>SCN8A</i>	GGACCCATGGAAGTGGTTAG	ACCCTGAAAGTGCCTAGAGC
<i>Nkx2.1</i>	AGCACACGACTCCGTTCTCA	CCCTCCATGCCCACTTTCTT

All sequences are displayed in 5'-to-3' direction. *tg, transgene