

<i>GNAT2</i> (same primers for PCR and sequencing)		
Exon	Primer forward 5'-3'	Primer reverse 5'-3'
1	gcttttaggggagccaagt	cccttagccagactgtgtaga
2	gcagtggctctgacttctcc	cctttatactgggctccttg
3	ccctccacttggagaaagca	ccagcaggtgggattttagt
4	tgcttccatcttaggtcttcg	atgcctgaaatttgggttg
5	tcaccaaattagctgtgtgacttt	cgtgaagtgggagaggaaaa
6	cttctggcctttggtgaag	ggagggctgctagactgaaa
7	ggagcactggtctctccaag	cctgtaactgtcccaaggt
8	cccccaactgctgttctca	cctgtgctcttaagctgcaat
<i>CNGA3</i> (PCR primers)		
Exon	Primer forward 5'-3'	Primer reverse 5'-3'
1	gcagcaggaactacaagag	agctgtgaaatgaccagag
2ab	cctgggatgaggatctgtg	gctggagtacggatgca
3	cccttgagacagacagagag	ggctgtagagcatgtagtgc
4	cccgagtaactaatcaca	gggagcaggagcactaa
5	catgtgactcccttgagact	gctgtccaggtgaagctc
6	attacatgatccagcgttt	aaggtcatacagcttgttg
7	tcagagtgcatttctgtagt	gcttcaaaagggtgagtaga
<i>CNGA3</i> (Sequencing primers)		
Exon	Orientation	Sequencing primer 5'-3'
1	forward	gtagccctgcccttga
2ab	forward	gtggcttccctgctaag
2ab-2	forward	ggggtggagttgagttgaagatt
3	forward	ggggttgggggtgtgg
4	forward	cccgagtaactaatcaca (same as PCR primer)
5	forward	ggctctctaaaacctcca
6	reverse	tgccaagggttccgtgtag
7-1	forward	gcatactgttagccgtgagg
7-2	forward	atgtttgaattctttgaccgca
7-3	forward	gtgggcaatgtgggctcc
7-4	forward	tggcagctactcggggagat
<i>CNGB3</i> (same primers for PCR and sequencing)		
Exon	Primer forward 5'-3'	Primer reverse 5'-3'
1	caccaagcagaagtatttt	tgaagataagcccagac
2	ggaggctgaggtgattatt	cccatgttgcctacttg
3	tcccaggggaggtgttctt	gctaaaggggagagtgata
4	ttcccttatctatttcttc	tgggagatccaaactaac
5	catcgggtgttggttaaga	acagggttcttggatag
6	gcccggagcctcacagt	gtagccaattagatgta
7	tggctgagattggaaggaac	gcagaaactcaggcttatc
8	ccagaaaggcatgtaaacac	ttgggaaaaattaagaatattg
9	ctctggaagtataataccatgc	catctgttctagaacatagtc
10	cagtcaagacattgccatcag	agcattaccagccattgaatgg
11	ttaagaagttacattagcaca	tcaactcattaaaatagaagaa
12	agggcattagaaggaagtat	aacgaatgctttaaggatca
13	gaatctgatgcatetaattatg	gttggtgaagagagacctg
14	ggaatattggccttagttg	tgacttatgtccgaaatcct
15	acctatgtctgtaaaactt	aaatctgagcgggaacttat
16	tgtgggacttagaggtga	aagcatatctactgtgatcaag
17	caccattagagatggatggag	gcaggaagtattagattag
18	gacagtctgtcttgggtgt	gtcccagcatgctgtttcc

<b>PCR conditions for <i>GNAT2</i> gene</b>	
<b>Exon</b>	<b>Conditions</b>
<b>1</b>	94°C-4min  94°C-30sec 62°C-30sec    5x 72°C-30sec  94°C-30sec 58°C-30sec    35x 72°C-30sec  72°C-5 min 8°C
<b>4</b>	94°C-4min  94°C-30sec 60°C-30sec    35x 72°C-30sec  72°C-5 min 8°C
<b>2,3,5,6,7,8</b>	94°C-4min  94°C-15sec 60°C-15sec    35x 72°C-30sec  72°C-5min 8°C
<b>PCR conditions for <i>CNGA3</i> gene</b>	
<b>1,4</b>	94°C-4min  94°C-30sec 55°C-30sec    35x 72°C-1min  72°C-5min 8°C
<b>2ab</b>	94°C-4min  94°C-30sec 58°C-20sec    35x 72°C-1min  72°C-5min 8°C
<b>3</b>	94°C-4min  94°C-15sec 55°C-15sec    35x 72°C-30sec  72°C-5min 8°C
<b>5,6</b>	94°C-4min

	94°C-15sec 55°C-15sec 35x 72°C-30sec  72°C-5min 8°C
<b>7</b>	94°C-4min  94°C-30sec 55°C-30sec 35x 72°C-90sec  72°C-5min 8°C
<b>PCR conditions for <i>CNGB3</i> gene</b>	
<b>All exons</b>	94°C-4min  94°C-15sec 50°C-15sec 40x 72°C-30sec  72°C-5min 8°C