

Genotyping protocol

General information:

Strain name	Cntnap2 Ile236Ser
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Primers:

Name	Sequence	Primer type
Cntnap2ex5_Fw	5'-TTCTCCTCTCAGGGGCTGAC-3'	ssDNA oligonucleotide
Cntnap2ex5_Rv	5'-TGAATGATTTGCCTGCCTGT-3'	ssDNA oligonucleotide

PCR program:

95	°C	5	min	X35
95	°C	30	sec	
58	°C	30	sec	
72	°C	1	min	
72	°C	10	min	

Expected fragment size:

wt	467	bp
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Comments/Additonal information:

The PCR product must be digested with restriction enzyme Taal and the digestion products must be analyzed by agarose gel electrophoresis
Wild-type DNA sequences will render two bands : 42 bp + 425 bp
Mutant DNA sequences will render three bands : 42 bp + 127 bp + 299 bp