

Strain ID	MT92
Strain Name	ro

Mutated Gene	contactin1b
Linkage Group	LG23
GenBank Accession No. for cDNA	XM_011490892
Location of mutated nucleotide in wild-typegenomic sequence	WT CCTCCTGGTGTTATCCGGGTGGAGGAGATCGGAGACACGTGGGTGAAGTTGGTGTGGACCAAAGGTGCAGAGCATAA MT CTCCT-----CGGAGACACGTGGGTGAAGTTGGTGTGGACCAAAGGTGCAGAGCATAA
Mutated Amino Acid (WT>MT)	TKGAEHNSPILYYTIQ>RRHVGEVGVDQRCRA*

Forward primer sequence (5'–3')	CAGGCTAACAAGTGGGTCAC	
Reverse primer sequence (5'–3')	AATGGGGCTATTATGCTCTG	
PCR Product Size (bp)	WT	154
	MT	131
PCR Reaction Conditions	standard reaction solution 0.2 mM dNTP mix 0.5 microM each primer	
Thermocycler Program	annealing reaction at 56 °C 30 cycles	