

Strain ID	MT970
Strain Name	nf1(delta7)

Mutated Gene	neurofibromin 1 (nf1)
Linkage Group	LG13
GenBank Accession No. for cDNA	XM_004067403
GenBank Accession No. for genomic DNA	NC_019871.1
Nucleotide Change (WT >	GACTGCA>del
Location of mutated nucleotide in wild-typegenomic sequence	CATGAACCTGCTGAAC-----GCGAGGTGG

Forward primer sequence (5'-	CTTCCTTTGCTCAGAGGTTTC	
Reverse primer sequence (5'-	CATACAAAGCCCTCAGGTG	
PCR Product Size (bp)	MT	246
	WT	253
PCR Reaction Conditions	DNA from lysis 1ul 2× Ampdirect plus 10 ul Forward primer (10 pmol/ul) 1ul Reverse primer (10 pmol/ul) 1 ul Nova Taq (BIOTAQ) 0.1ul dH2O 6.9ul total 20ul	
Thermocycler Program	95 °C 10 min (94 °C, 30 sec, 54 °C 30 sec, 72 °C 30 sec) x 35 72 °C 7 min	

Restriction enzyme(s)	PstI	
Restriction digestion product sizes	MT	246
	WT	181, 72