

Strain ID	MT968
Strain Name	nf1(l1943T)

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 >	T>C
Location of mutated nucleotide in wild-type genomic sequence	AGCTTCA(T>C)TAAGACC
Mutated Amino Acid	I>T

Forward primer sequence (5'-	TGCACTCAGATGTATTCCTCCTA	
Reverse primer sequence (5'-	CCTTCAGCTTGGTCTTCC	
PCR Product Size (bp)	MT	474
	WT	474
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)	Ddel	
Restriction digestion product sizes	MT	289, 73, 42, 65, 5
	WT	289, 115, 65, 5