

Strain ID	MT1049
Strain Name	sox5 ^{F543I}

Mutated Gene	sox5
Linkage Group	LG23
Mutation Type	Point mutation
Nucleotide Change (WT > MT)	T1627A
Location of mutated nucleotide in wild-type genomic sequence	AGCCGCACATCAAGCGGCCCATGAACGC C(T>A)TCATGGTGTGGGCCAAGGA
Mutated Amino Acid (WT>MT)	F543I F>I

Forward primer sequence (5'-3')	AATCTTCAGTCGTTTGAGTG	
Reverse primer sequence (5'-3')	TAACGCTTGCTGAGGAAC	
PCR Product Size (bp)	WT	230
	MT	230
PCR Reaction Conditions	standard reaction solution 0.2mM dNTP mix 0.5microM each primer	
Thermocycler Program	anealling reaction at 60 degrees centigrade 30 cycles	

Sequencing primer (5'-3')	AATCTTCAGTCGTTTGAGTG
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