

Strain ID	MT1033
Strain Name	cyp19a1(Q182X)

Mutated Gene	cyp19a1
Linkage Group	LG3
GenBank Accession No. for cDNA	D82968
Nucleotide Change (WT > MT)	C>T
Location of mutated nucleotide in wild-type genomic sequence	TTTGCGTCACCTCCACA(C>T)AGACTCACCTGGAC AACCTGAGCAGTTTGT
Mutated Amino Acid (WT>MT)	Q>X

Forward primer sequence (5'-3')	CATCACGTTCTCAAGAACAGAAAA	
Reverse primer sequence (5'-3')	CTCTTCCTGGGTGTTCTGT	
PCR Product Size (bp)	MT	377
	WT	377
PCR Product Sequence (WT)	CATCACGTTCTCAAGAACAGAAAAATACACCTCGC GTTTTGGAAGCAAACAAGGACTCAGCTGCATCGG CATGAACGAGAAGGGAATCATATTTAACAACAATG TGGCTTTATGGAAAAAGATTTCGTACCTATTTACCC AAAGGTAAAATCTATCAACCAGAATTGCATTTTTTC TGATTGAATATTGTACAATCTTTAATTATTGTTTTT TAACCTAGCTTTGACTGGGCCAAACCTGCAGCAAA CAGTGGAAGTTTTCGCTCACCTCCACACAGACTCA CCTGGACAACCTGAGCAGTTTGTCTTACGTGGAC GTCCTTGGCTTTTTCGCTGCACAGTGGTTGACAT CTCCAACAGGCTCTTCCTGGGTGTTCTGT	
PCR Reaction Conditions	PCR reactions were performed using Extaq (Takara Bio Inc, Japan, RR001A). 10x Extaq buffer: 1ul 2.5 mM dNTP mixture: 0.8ul 2.5uM primers: 0.2 ul Extaq: 0.05 ul template DNA: 1ul H2O: 6.95ul	
Thermocycler Program	95 °C 2 min (95 °C, 30 sec, 55 °C 30 sec, 72 °C 40 sec)x 30-35 cycles 72 °C 5 min	

sequencing primer	GTTTTGGAAGCAAACAAGGACT
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