

Strain ID	MT1165
Strain Name	Hd-rR-ogg ⁺ C157X

Mutated Gene	8-oxoguanine DNA glycosylase (ogg1)
Linkage Group	LG7
GenBank Accession No. for cDNA	XM_004070532.2
GenBank Accession No. for genomic DNA	BAAF04002986.1
Nucleotide Change (WT > MT)	T>A
Location of mutated nucleotide in wild-type genomic sequence	CCACAGAGTG(T>A)CTGTTCT
Mutated Amino Acid (WT>MT)	C>X

Forward primer sequence (5'-3')	GCCGTTGAGTCAGAGTGATG	
Reverse primer sequence (5'-3')	TGACACAAACGGGACAAAAA	
PCR Product Size (bp)	MT	464
	WT	464
PCR Reaction Conditions	KOD (TOYOBO)	
Thermocycler Program	94 °C 1 min 95 °C, 30 sec, 61 °C 25 sec, 68 °C 25 sec x 30	

Restriction enzyme(s)	MaeIII	
Restriction digestion product sizes	MT	204, 260
	WT	464