

STRAIN NAME:**MFGE8****REAGENTS AND SOLUTIONS:**

- Taq polymerase 10X Buffer (1,5 mM MgCl₂) (MP QBiogene)
- dNTP (MPQ Biogene)
- Primers (Invitrogen)
- Taq polymerase (MPQBiogene)
- Mineral oil (EUROBIO)

REACTION MIX:

- Taq Buffer 1X
- dNTP (0,4 mM total)
- primer MFGE8 for (0,48μM)
- primer MFGE8 rev (0,18μM)
- primer MFGE8 KO (0,30μM)
- Taq polymerase (40U/ml)
- DNA

PROGRAM:

5 min	94°C	35 cycles
30 sec	94°C	
30 sec	60°C	
1 min	72°C	
5 min	72°C	

MIGRATION :

Migration of the samples on a 1.5% agarose gel.

PRIMERS SEQUENCES

- Primer MFGE8 for 5' GTGAATACTAGCCATAGGTGCC 3'
- Primer MFGE8 rev 5' GATGGACTTGAAGAGACTACTGG 3'
- Primer MFGE8 KO 5' GGAATTCCTCCGAAACTCCTATTTCTG 3'

AMPLIFICATION

Mutant allele : 150 bp
WT allele : 350 bp