

**STRAIN NAME:**

**RAG 2**

**REAGENTS AND SOLUTIONS:**

- Taq polymerase 10X Buffer (1,5 mM MgCl<sub>2</sub>) (MP QBiogene)
- dNTP (MPQ Biogene)
- Primers (Invitrogen)
- Taq polymerase (MPQBiogene)
- Mineral oil (EUROBIO)

**REACTION MIX:**

- Taq Buffer 1X
- dNTP (0,4 mM total)
- primer Rag2 a (0,18µM)
- primer Rag2 b (0,18 µM)
- primer Néo55 a (0,18µM)
- primer Néo55 b (0,18 µM)
- Taq polymerase (40U/ml)
- DNA

**PROGRAM:**

5 min	94°C	
30 sec	94°C	
30 sec	57 °C	35 cycles
1 min	72°C	
5 min	72°C	

**MIGRATION :**

Migration of the samples on a 1.5% agarose gel.

**PRIMERS SEQUENCES**

- Primer RAG2 a 5' ATG TCC CTG CAG ATG GTA ACA 3'
- Primer RAG2 b 5' GCC TTT GTA TGA GCA AGT AGC 3'
- Primer Néo 55a 5' CCT GCC GAG AAA GTA TCC A 3'
- Primer Néo 55b 5' ACC GTA AAG CAC GAG GAA G 3'

**AMPLIFICATION**

Mutant allele : 411 bp  
WT allele : 246 bp