

STRAIN NAME:**CX3CR1 GFP****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 | - Taq Buffer 1X |
| - dNTP (0,4 mM total) | - dNTP (0,4 mM total) |
| - primer CX3A (0,24μM) | - primer CX3B (0,24μM) |
| - primer CX3C (0,24μM) | - primer CX3C (0,24μM) |
| - Taq polymerase (40U/ml) | - Taq polymerase (40U/ml) |
| - DNA | - DNA |

PROGRAM:

5 min	94°C	
30 sec	94°C	
30 sec	55 °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 CX3A | 5' TTCACGTTCCGGTCTGGTGGG 3' |
| -Primer CX3B | 5' GATCACTCTCGGCATGGACG 3' |
| -Primer CX3C | 5' GGTTCTAGTGGAGCTAGGG 3' |

AMPLIFICATION

Mutant allele : 1010 bp
 WT allele : 970 bp

