

## Genotyping protocol

EMMA ID: EM:08376

Gene symbol: Casp1

Strain designation: B6;129S6-Casp1<sup>tm1a(EUCOMM)Wtsi</sup>/Oulu

### Primers:

Primer name	Primer sequence (5'- 3')
Casp1-F2	GTT CGA TGA TAT GAA CTT GCA ATC C
Casp1-R3	GTC CTG GAA ATG TGC CAT CTT C
Construct primer	TCG TGG TAT CGT TAT GCG CC

### Products:

Allele	Primer 1	Primer 2	Product size (bp)
Wild-type	Casp1-F2	Casp1-R3	712
Mutant	Casp1-F2	Construct primer	293

### Reaction mix:

Component	Volume (µl)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 µM)	1.0
Primer 2 (10 µM)	1.0
10x Buffer (15 mM MgCl <sub>2</sub> )	3.0
MgCl <sub>2</sub> (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/µl)	0.1
H <sub>2</sub> O	21.7
<b>Total</b>	<b>30.0</b>

### PCR program:

Time	Temperature (+ °C)	Cycles
5 min	95	
1 min	94	30
1 min	58	
1 min	72	
7 min	72	
∞	4	