

Genotyping protocol

General information:

Strain name	Nlrp3
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Primers:

Name	Sequence	Primer type
Fw	CGTGGAGCCATGCTTCAGATTA	please select one
Rv	CCAAGAACGCCTCACTCCTC	please select one
		please select one
		please select one

In case more than two primers are introduced, please indicate how they should be combined:

	Forward primer	Reverse primer
e.g. wt		
e.g. mut		

Reaction mix:

dNTPs 2mM	2.5	μl
Buffer Taq polymerase with MgCl 10x	2.5	μl
Nlrp3 Fw 10 μM	0.25	μl
Nlrp3 Rv 10 μM	0.25	μl
Taq Polymerase	0.25	μl
H2O	18.25	μl
DNA	1	μl
		μl
Final volume	25	μl

PCR program:

94	°C	5	min	X35
94	°C	30	sec	
58	°C	30	sec	
72	°C	90	sec	
72	°C	10	min	

Expected fragment size:

wt	406	bp
mutant	406	bp

Comments/Additonal information:

Analysis of founder mice by cloning and Sanger sequencing: PCR Product= 406 bp