

Genotyping protocol

General information:

Strain name	DUSP1flox
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Primers:

Name	Sequence	Primer type
Oligo1	CCAGACTGCCTTGGGAAAAGC	
Oligo2R	CCTGGACAGAGCCAACAAGC	
Oligo3	CCTGAGCTGTGCAGCAAACAGTC	

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

	Forward primer	Reverse primer
wt	Oligo1	Oligo2R
LoxP	Oligo2R	Oligo3

Reaction mix:

ddH ₂ O	18,5	μl
PCR Buffer 15mM MgCl ₂	2,5	μl
dNTPs 2,5mM	2,5	μl
Primer 100μM	0,125	μl
Primer 100μM	0,125	μl
Taq Polymerase 5U/μl	0,250	μl
DNA	1	μl
Final volume	25	μl

PCR program:

94	°C	5	min	X35
94	°C	30	sec	
58	°C	30	sec	
72	°C	45	sec	
72	°C	10	min	

Expected fragment size:

wt	300	bp
LoxP	230	bp

Comments/Additonal information:

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