

Genotyping protocol

General information:

Strain name	STOCK Loxl2<tm1.1Acan>/Cnbc
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Primers:

Name	Sequence	Primer type
E2	TGGAGGTCTACTACGAAGGC	
R1	GAGGTGGGCACAGACTAATC	

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

	Forward primer	Reverse primer
Wt / Mutant	E2	R1

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:

95	°C	5	min	X30
95	°C	30	sec	
62	°C	30	sec	
72	°C	30	sec	
72	°C	10	min	

Expected fragment size:

wt	460	bp
mutant	530	bp

Comments/Additonal information:

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