

# Genotyping protocol

## General information:

Strain name	STOCK Loxl2<tm1.2Acan>/Cnbc
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## Primers:

Name	Sequence	Primer type
E2	TGGAGGTCTACTACGAAGGC	
R1	GAGGTGGGCACAGACTAATC	
F1	ATCGGGAATTCAGACTGCTG	

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

	Forward primer	Reverse primer
e.g. wt	E2	R1
e.g. mut	F1	R1

## Reaction mix:

ddH <sub>2</sub> O	18,5	μl
PCR Buffer 15mM MgCl <sub>2</sub>	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	
60	°C	30	sec	
72	°C	30	sec	
72	°C	2	min	

## Expected fragment size:

wt	410	bp
mutant	430	bp

## Comments/Additonal information:

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