

Genotyping protocol

General information:

Strain name	129(C)-Eif2ak2<tm1Jcbe>/Cnbc
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Primers:

Name	Sequence	Primer type
Na31	GGAAC TTTGGAGCAATGGA	
Na32	TGCCAATCACA AATCTAAAAC	
Na33	TGTTCTGTGGCTATCAGGG	
Mc Neo-2	TGACGAGTTCTTCTGAGGG	

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

	Forward primer	Reverse primer
WT 1	Na31	Na32
KO	Na33	Mc Neo-2

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 1	225	bp
Mutant	500	bp

Comments/Additonal information:

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