

Genotyping protocol

General information:

Strain name	STOCK Eif2ak4<tm1.2Dron>/Cnbc
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Primers:

Name	Sequence	Primer type
15 S	TCTCCCAGCGGAATCCGCACATCG	
18 AS	TGCCACTGTCAGAATCTGAAGCAGG	
4 AS	ATCCAGGCGTTGTAGTAGCGCACA	

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

	Forward primer	Reverse primer
WT1	15 S	4 AS
KO	15 S	18 AS

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

Expected fragment size:

WT	374	bp
KO	~650	bp

Comments/Additonal information: