

# Genotyping protocol

## General information:

Strain name	STOCK Vav2<tm1Kdf> Vav1<tm2Bbd>/Cnbc
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## Primers:

Name	Sequence	Primer type
36B6	CTGTCCCAGAGTCTGACAGAACAT	
KFKO2	GATGGAGCCCAGTGTGTCTGTATA	
PGKr_4B7	CACTTGTGTAGCGCCAAGTGC	
ACH1	CGAGCATGACCTGGGTGAG	
ACH6	CACTCTGCTGGAGGAGGTC	
LacZr_36B5	GTGCTGCAAGGCGATTAAGTT	

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

	Forward primer	Reverse primer
Vav1 WT	36B6	KFKO2
Vav1 KO	PGKr_4B7	KFKO2
Vav2 WT	ACH1	ACH6
Vav2 KO	ACH1	LacZr_36B5

## 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	X35
95	°C	30	sec	
58	°C	30	sec	
72	°C	45	sec	
72	°C	10	min	

## Expected fragment size:

Vav1 WT	440	bp
Vav1 KO	210	bp
Vav2 WT	300	bp
Vav2 KO	150	bp

**Comments/Additonal information:**

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