

# Genotyping protocol

## General information:

Strain name	B6.129P2-Anp32a<tm1Mak>/Cnbc
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## Primers:

Name	Sequence	Primer type
ANP32A_Common	CTA CCG GTG GAT GTG GAA TGT GTG CG	
ANP32A_Mut	CTA ATC CCT CTT CAG AGA ACT GCC CTG TTC AAG	

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

	Forward primer	Reverse primer
Mutant	ANP32A_Common	ANP32A_Mut

## 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:

94	°C	5	min	X40
94	°C	45	sec	
60,5	°C	60	sec	
72	°C	40	sec	
72	°C	10	min	

## Expected fragment size:

mutant	~850	bp
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## Comments/Additonal information:

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