

Genotyping protocol

General information:

Strain name	B6.129P2-Anp32e<tm1Mak>/Cnbc
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Primers:

Name	Sequence	Primer type
ANP32E_Common	CTA CCG GTG GAT GTG GAA TGT GTG CG	
ANP32E_Mut	GGA GTC ACG AGC TAA CTG CAC TGT CAC CAA C	

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

	Forward primer	Reverse primer
Mutant	ANP32E_Common	ANP32E_Mut

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

Expected fragment size:

mutant	~500	bp
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Comments/Additonal information:

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