

Genotyping protocol

General information:

Strain name	CD1.Cg-Stat1<tm1Dlv> Tg(ANPEP)270Mmul/Cnbc
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Primers:

Name	Sequence	Primer type
hAPNex19	TATGGTGGTGGCTCGTTCTC	
huβglobR	CAAGAAAGCGAGCTTAGTGATAC	
NeoFw	GCTATTCGGCTATGACTGGG	
NeoRv	GAAGGCGATAGAAGGCGATG	

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

	Forward primer	Reverse primer
APN	hAPNex19	huβglobR
STAT/neo	NeoFw	NeoRv

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 APN:

95	°C	5	min	X35
95	°C	30	sec	
58	°C	30	sec	
72	°C	120	sec	
72	°C	10	min	

PCR program STAT/neo:

94	°C	4	min	X35
94	°C	30	sec	
60	°C	30	sec	
72	°C	90	sec	
72	°C	10	min	

Expected fragment size:

APN	1.5	kb
mutant	725	bp

Comments/Additonal information:

