

Genotyping protocol

General information:

Strain name	FVB-Tg(Thy1-GFP*)1Rfc/Cnbc
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Primers:

Name	Sequence	Primer type
PLC 30	ATGAGTAAAGGAGAAGAAC	
PLC 31	TTAACCGGTTTTGTATAG	

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

	Forward primer	Reverse primer
mutant	PLC 30	PLC 31

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:

95	°C	5	min	X45
97	°C	30	sec	
49	°C	45	sec	
65	°C	45	sec	
65	°C	5	min	

Expected fragment size:

mutant	720	bp
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Comments/Additonal information:

This assay will NOT distinguish hemizygous from homozygous transgenic animals