

# Genotyping protocol

## General information:

Strain name	Per1 fl/fl
-------------	------------

## Primers:

Name	Sequence	Primer type
F001.1	5' GAG CAG GAC AAC CCA TCT AC 3'	
F001.22	5' ACC CTG AAC CTG CTT GAC 3'	
F001.24	5' GGA GCT GAA GCT ACA CTG AC	

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

	Forward primer	Reverse primer
wt	F001.1	F001.22
Flox	F001.1	F001.22
$\Delta$ flox	F001.1	F001.24

## Reaction mix:

GoTaqG2 Hot Start Green2x (Promega)	12.5	$\mu$ l
F001.1 10uM	1	$\mu$ l
F001.22 10uM	1	$\mu$ l
F001.24 10 uM	1	$\mu$ l
ddH2O	7.5	$\mu$ l
DNA	2	$\mu$ l
Final volume	25	$\mu$ l

## PCR program:

94	$^{\circ}$ C	3	min	X35
94	$^{\circ}$ C	30	sec	
56	$^{\circ}$ C	30	sec	
72	$^{\circ}$ C	1	min	
72	$^{\circ}$ C	10	min	

## Expected fragment size:

wt	280	bp
Flox	468	bp
$\Delta$ flox	585	bp

## Comments/Additonal information:

--