

# Genotyping protocol

## General information:

Strain name	ROSA-CAG-LSL-GLuc (STOCK Gt(ROSA)26Sor <sup>tm2(ACTB-GLuc)Thst</sup> /Thst
-------------	--

## Primers:

Name	Sequence	Primer type
ROSA-LacZ (6025)	AAA GTC GCT CTG AGT TGT TAT	please select one
oIMR8038 (8206)	TAA GCC TGC CCA GAA GAC TC	please select one
Rosa26-CAGG (8161)	GCG GAA CTC CAT ATA TGG GCT ATG A	please select one
		please select one

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

	Forward primer	Reverse primer
e.g. wt		
e.g. mut		

## Reaction mix:

H2O	11,4	μl
DNA (μg/μl)	1	μl
Primer1 (6025)	1	μl
Primer2 (8206)	1	μl
Primer3 (8161)	1	μl
PCR buffer 5x	4	μl
dNTPs 10mM	0,4	μl
Taq polymerase 5U/μl	0,2	μl
Final volume	20	μl

## PCR program:

94°C	3 min	
95°C	3 sec	X10 – 0,5C/cycle
60°C	1 min	
72°C	30 sec	X25
95°C	20 sec	
55°C	1 min	
72°C	30 sec	
72 °C °C	3 min	

## Expected fragment size:

wt	240 - 250bp
mutant	300bp

**Comments/Additional information:**

