

Genotyping protocol

General information:

Strain name	ROSA26-LSL-GLuc (STOCK Gt(ROSA)26Sor ^{tm1(GLuc)Thst/Thst})
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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
ROSA-SplAC_Gluc (8160)	CAT CAA GGA AAC CCT GGA CTA CTG	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 (8160)	1	μl
PCR buffer 5x	4	μl
dNTPs 10mM	0,4	μl
Tag polymerase 5U/μl	0,2	μl
Final volume	20	μl

PCR program:

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

Expected fragment size:

wt	240-250 bp
mutant	260-270 bp

Comments/Additonal information:

