

RMRC Genotyping Protocol-PCR

No.	RMRC13368	Strain Name	C57BL/6-Tg(NFκB-Luc/TK*)27Klin/Narl
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A. Primer

	Primer name	Sequence
1	Luc 1490 F	GTGGATTACGTCGCCAGTCAAG
2	Δ TK 237 R	CTGGGCGCTTGTCAATTACCACC

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		13.2	μl	1	95	300	
PCR buffer	10x		2	μl	2	95	30	
dNTP	10	mM	0.4	μl	3	68	30	
Primer 1	10	μM(ρmol/μl)	1	μl	4	72	30	
Primer 2	10	μM(ρmol/μl)	1	μl	5	Go to step 2		38
DNA	--		1	μl	6	72	480	
Taq	5	U/μl	0.2	μl	7	12	300	
Mg ²⁺	50	mM	1.2	μl	8	4	300	
Total			20	μl	9			

The brand (廠牌) and product name (品名) of Taq : Invitrogen

C. PCR Product

	Primer set		Product size	Target region
1	Luc 1490 F	Δ TK 237 R	419 bp	Luc-deltaTK
2			bp	

D. Gel Photo

