

RMRC Genotyping Protocol-PCR

No.	RMRC13382	Strain Name	FVB/N-Tg(CAGGS-flEGFP-HSPD1)14Klin/Narl
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A. Primer

	Primer name	Sequence
1	Hsp60-f	CAATGCTCACCGTAAGCCTTT
2	hHsp60-1179r	CCATCTGAAAGTTTTGCAAG

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	65.5
Primer 1	10	μM(ρmol/μl)	1	μl	4	72
Primer 2	10	μM(ρmol/μl)	1	μl	5	Goto 2
DNA	--	1	μl	6	72	480
Taq	5	U/μl	0.2	μl	7	12
Mg ²⁺	50	mM	1.2	μl	8	4
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	Hsp60-f hHsp60-1179r	407 bp	hHsp60

D. Gel Photo

