

RMRC Genotyping Protocol-PCR

No.	RMRC13187	Strain Name	FVB/N-Tg(aP2-PPAR δ)Std
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A. Primer

	Primer name	Sequence
1	m-s1r-Flag	TCCAGAAGAAGAACCGCAAC
2	m-a1r-Flag	GGCATTGAACTTGACAGCGA

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--			μ l	1	95	4 min	1
PCR buffer	10x		1	μ l	2	95	1	30
dNTP	2	mM	1	μ l	3	60	1	30
Primer 1	10	μ M(ρ mol/ μ l)	0.5	μ l	4	72	1	30
Primer 2	10	μ M(ρ mol/ μ l)	0.5	μ l	5	72	10	1
DNA	--			μ l	6	4	-	-
Taq		U/ μ l	1	μ l	7			
Mg ²⁺	1	mM	0.4	μ l	8			
Total			10	μ l	9			

C. PCR Product

	Primer set	Product size	Target region
1		~670 bp	
2			

D. Gel Photo

