

RMRC Genotyping Protocol-PCR

No.	RMRC13242	Strain Name	C57BL/6-Tg(UBC-flDsRed-Tacstd2)5Narl
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A. Primer

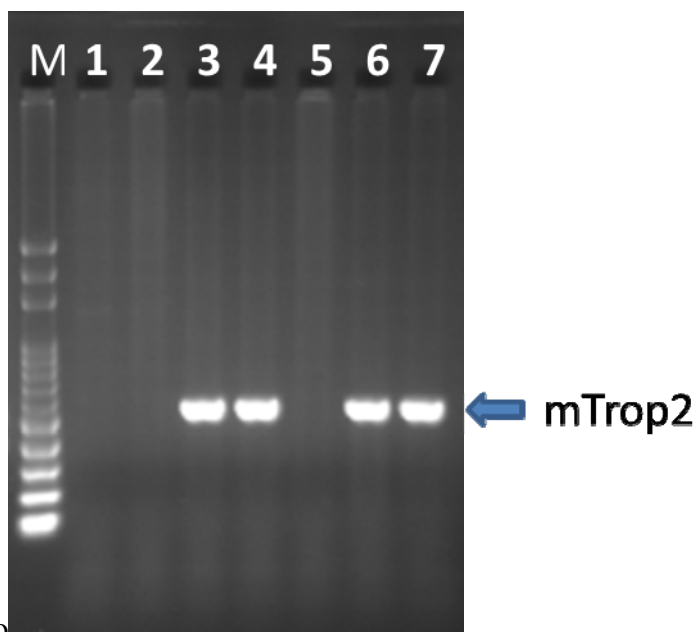
	Primer name	Sequence
1	46	5'- GCCACGAGTTCGAGATCG -3'
2	47	5'- GATGTCCAGCTTGGAGTC -3'

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		11.8	μl	1	95	120	1
PCR buffer	10x		1.5	μl	2	95	35	35
dNTP	10	mM	0.3	μl	3	60	35	35
Primer 1	20	μM(μmol/μl)	0.3	μl	4	72	50	35
Primer 2	20	μM(μmol/μl)	0.3	μl	5	72	600	1
DNA	--		0.5	μl	6			
Taq	5	U/μl	0.3	μl	7			
Mg ²⁺		mM		μl	8			
Total			15	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	46	47	488 bp	
2			bp	



D. Gel Photo

