

RMRC Genotyping Protocol-PCR

No.	RMRC13375	Strain Name	FVB/N-Tg(PGK-miR29a)Wfs/Narl
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A. Primer

	Primer name	Sequence
1	BamH1-Pre_mir29a-F	GAGGA TCCCC TCAAG GATAC CAAGG GATGA AT
2	BamH1-Pre_mir29a-R	CTTCT AGAAG GAGTG TTTCT AGGTA TCCGT CA

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		14.1	μl	1	94	3min	1
PCR buffer	10x		2.5	μl	2	94	30sec	35
dNTP	2.5	mM	2	μl	3	60	30sec	
Primer 1	10	μM(ρmol/μl)	1	μl	4	72	30sec	
Primer 2	10	μM(ρmol/μl)	1	μl	5	72	3min	1
DNA	--		4	μl	6	4	60min	1
Taq	1x master mix	U/μl	0.4	μl				
Total			25	μl				

The brand (廠牌) and product name (品名) of Taq : Q5 High-Fidelity PCR kit NewEngland Biolabs

C. PCR Product

	Primer set		Product size	Target region
1	F	R	506 bp	

D. Gel Photo

