

RMRC Genotyping Protocol-PCR

種原編號	RMRC13022	品系名稱	FVB/N-Tg(PEPCK-ABIN2)59Tfts
	RMRC13023		FVB/N-Tg(PEPCK-ABIN2)89Tfts

A. Primer

	Primer name	Sequence
1	ABIN2-forward	5'-GGAGAGAAGTCCTGACCAGTCG-3'
2	ABIN2-reverse	5'-CCATAAGCTCTAATGCGTCGGC-3'

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		12.8	μl	1	94	240	1
PCR buffer	10x		2	μl	2	94	60	30
dNTP	2.5	mM	1.2	μl	3	62	30	
Primer 1	10	μM(ρmol/μl)	1	μl	4	72	40	
Primer 2	10	μM(ρmol/μl)	1	μl	5	72	420	1
DNA	--		1	μl	6	4	∞	
Taq	6	U/μl	1	μl	7			
Mg ²⁺		mM		μl	8			
Total			20	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	ABIN2-forward	ABIN2-reverse	563 bp	
2			bp	

D. Gel Photo