

RMRC Genotyping Protocol-PCR

種原編號	RMRC13066	品系名稱	B6.FVB-Tg(EIIa-cre)C5379Lmgd/JSJi
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A. Primer

	Primer-name	Sequence	Length	Note
1	Cre313F	CCACGACCAAGTGACAGCAATG	22	
2	Cre685B	CAGAGACGGAAATCCATCGCTC	22	

B. Reaction Components

Chemical	Conc.		Run1	Run2	Run3	Run4
H ₂ O	--		40			
PCR buffer	10x		5			
dNTP	10	mM	1			
Primer 1	20	pmol/μl	1			
Primer 2	20	pmol/μl	1			
DNA			1			
Tag	5	U/μl	1			
Total			50			

C. Reaction Conditions

Step	Temp.(°C)	Time(Sec)	Note
1	95	120	
2	95	30	Step2-4 for 32cycles
3	60	30	
4	72	45	
5	72	600	
6			
7			
8			

D. PCR product

	Primer set		Product size	Product
1	Cre313F	Cre685B	373bp	
2				

E. Gel photo