

RMRC Genotyping Protocol-PCR

種 原 編 號	RMRC13032	品 系 名 稱	C57BL/6-Tg(Alb-HBx)A105Tfts
	RMRC13033		C57BL/6-Tg(Alb-HBx)A106Tfts
	RMRC13034		C57BL/6-Tg(Alb-HBx)A110Tfts
	RMRC13035		C57BL/6-Tg(Alb-HBx)A112Tfts

A. Primer

	Primer-name	Sequence	Length	Note
1	HBx-Forward	5'-TgTgCTgCCAACTggATCCTg-3'	21 bp	
2	HBx-Reverse	5'-CCAATTTATgCCTACAgCCTCC-3'	22 bp	

B. Reaction Components

Chemical	Conc.		Run1	Run2	Run3	Run4
H ₂ O	--		12.8μl			
PCR buffer	10x		2μl			
dNTP	2.5	mM	1.2μl			
Primer 1	10	pmol/μl	1μl			
Primer 2	10	pmol/μl	1μl			
DNA	0.1~0.3μg/μl		1μl			
Tag		U/μl	1μl			
Total			20μl			

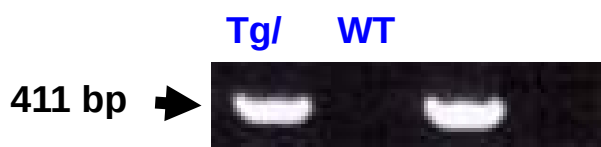
C. Reaction Conditions

Step	Temp.(°C)	Time(Sec)	Note
1	95	300	
2	95	30	step 2 ~ step 4 repeat 33 cycle
3	65	30	
4	72	40	
5	72	7	
6	4	∞	
7			
8			

D. PCR product

	Primer set		Product size	Product
1	HBx-Forward	HBx-Reverse	411 bp	
2				

E. Gel photo



Tg/ WT