

## RMRC Genotyping Protocol-PCR

種原編號	RMRC13027	品系名稱	C57BL/6-Tg(Pdx1-TVA)Crs
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### A. Primer

	Primer-name	Sequence	Length	Note
1	PDX-TVA (F)	GATCAGGCGACTGAGAGAG	19	
2	PDX-TVA (R)	CCACCTTTAGGAGGGGTGAT	20	

### B. Reaction Components

Chemical	Conc.		Run1	Run2	Run3	Run4
H <sub>2</sub> O	--		13.8μl			
PCR buffer	10x		2μl			
dNTP	2.5	mM	2μl			
Primer 1	20	pmol/μl	0.5μl			
Primer 2	20	pmol/μl	0.5μl			
DNA	100 ng/μl		1μl			
Tag	5	U/μl	0.2μl			
Total	20μl		20μl			

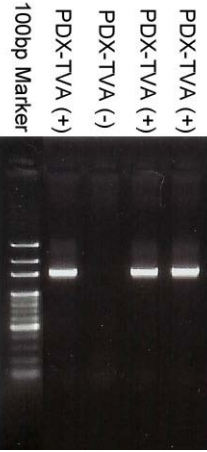
### C. Reaction Conditions

Step	Temp.(°C)	Time(Sec)	Note
1	94	5:00	Run 35 cycles
2	94	0:30	
3	55	0:30	
4	72	1:30	
5	72	10:00	
6	4	∞	
7			
8			

### D. PCR product

	Primer set		Product size	Product
1	PDX-TVA (F)	PDX-TVA (R)	1.5 kb	
2				

### E. Gel photo



1.5 Kb PCR product