

RMRC Genotyping Protocol-PCR

種原編號	RMRC13055	品系名稱	B6;129- <i>Sun2^{tm1Cyh}</i>
	RMRC13056		B6;129- <i>Sun2^{tm2Cyh}</i>

A. Primer

	Primer name	Sequence
1	CHI437F_GU	tgggaaacttcccatctcctcacttca
2	CHI438R_JD	tcccactccatggtgacctctttcc

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		18.95	μl	1			
PCR buffer	10x		2.5	μl	2			
dNTP	2.5	mM	2	μl	3			
Primer 1	1ug/ul	μM(ρmol/μl)	0.15	μl	4			
Primer 2	1ug/ul	μM(ρmol/μl)	0.15	μl	5			
DNA	200-300ng		1	μl	6			
Taq	5	U/μl	0.25	μl	7			
Mg ²⁺		mM		μl	8			
Total			25	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	GU	JD	489,530 bp	Intron 4
2			bp	

D. Gel Photo

