

RMRC Genotyping Protocol-PCR

No.	RMRC13271	Strain Name	NOD.CB17-Prkdc ^{scid} /J -Tg(U6-RNAi:Il23a, Ubi-GFP)Sytwu
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A. Primer

	Primer name	Sequence
1	U6-F	cacagacttggtgggagaagc
2	GFP-R	aagtcgtgctgcttcattgtg

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		8.8	μl	1	94	120	
PCR buffer	10x		2	μl	2	94	45	35
dNTP	2.5	mM	2	μl	3	58	45	35
Primer 1	2	μM(μmol/μl)	2	μl	4	72	45	35
Primer 2	2	μM(μmol/μl)	2	μl	5	72	120	
DNA	--		1	μl	6	25	~	
Taq	5	U/μl	0.2	μl	7			
Mg ²⁺	25	mM	2	μl	8			
Total			20	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	U6-F	GFP-R	1957 bp	

D. Gel Photo

