

BRC_No 01300 Strain name DBA/2-scid mice

Primer	primer_name	primer_seq	length
1	m6	ggaaaagaattggtatccac	20
2	m8	gttggcccctgctaacttc	20

Reaction Components

Enzyme TaKaRa Ex Taq

	Conc	Run 1	Run 2	Run 3
H2O		17.3		
PCR buffer	10 X	2.5		
dNTP	2.5mM	2.0		
primer 1	10 pmol/μl	1.0		
primer 2	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
total		25		

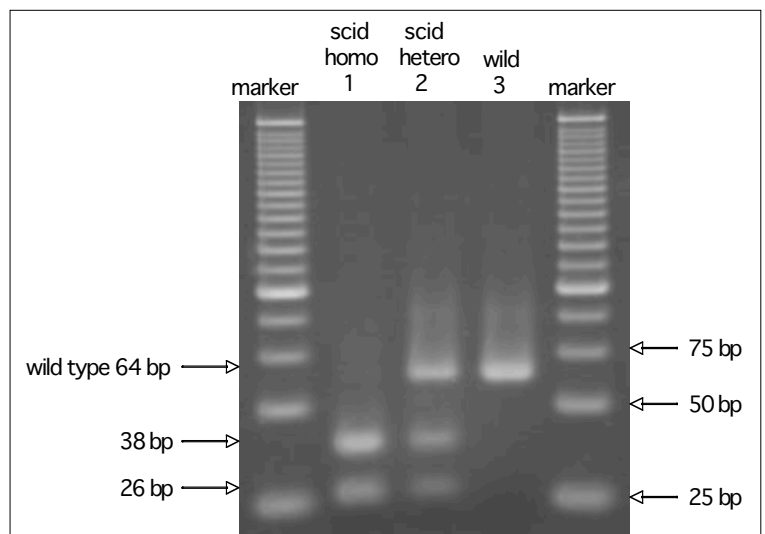
Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	30*	*repeat for 40 cycles
5	72	300	

Restriction_Reactions

PCR product 20.0 μl
 Alul 1.0 μl
 37°C 60 min.
 After Alul digestion, run 10 μl of digested products on a 4% Nusieve.

wild type 64 bp
 Scid homo 38 bp + 26 bp
 Scid hetero 64bp + 38 bp + 26 bp



Marker

25 bp DNA ladder (Invitrogen)

Gel 4% Nusieve in 0.5 X TBE (100 V, 45 min)

PCR products

primer_set	product_size	product
primer 1 primer 2	64 bp	wild
primer 1 primer 2	64, 38, 26 bp	scid hetero
primer 1 primer 2	38, 26 bp	scid homo