RIKEN BRC

Jul. 24, 2006

BRC_No 01608 **Strain name** PV573

Primer

	primer_name	primer_seq	length
1	Smc2l1-PV573-R1	CTGGTGTTTTACCTGTATGTATGCTTG	27
2	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27
3	Smc2l1-PV573-F1	TAGACTTTCTGACAGAAACCAAGAGAC	27

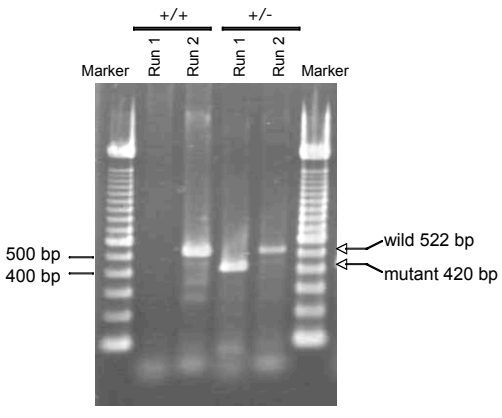
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3
H2O		17.3	15.3	
PCR buffer		2.5	2.5	
dNTP	2.5 mM	2.0	2.0	
primer 1	10 pmol/μl	1.0	2.0	
primer 2	10 pmol/μl	1.0	0	
primer 3	10 pmol/μl	0	2.0	
DNA		1.0	1.0	
Taq		0.2	0.2	
	total	25	25	

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	60	30	*
4	72	60	* *Repeat for 35 cycles
5	72	300	



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

2% agarose in 1 X TAE (100 V, 35 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	420 bp	KO
primer 1	primer 3	522 bp	wild

Comment