

BRC_No 01682

Strain name PV579

Primer

	primer_name	primer_seq	length
1	Stx3-PV579-F1	TCATTGGGTTTTGCTGGGGTTCTC	24
2	Stx3-PV579-R1	TGGATGAATGGGGTTAGAACATTACTC	28
3	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27

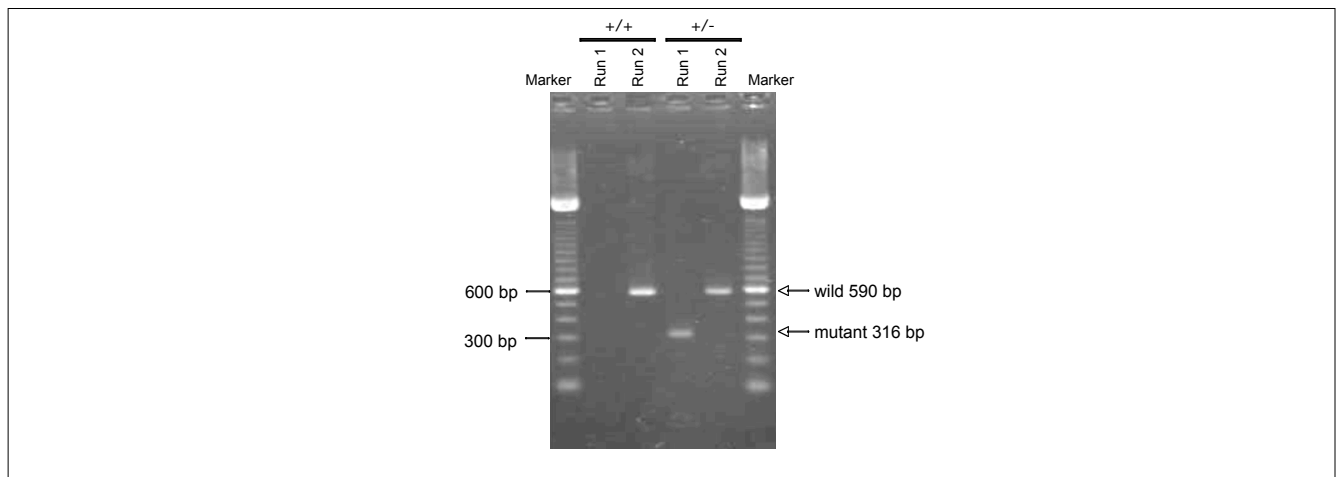
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

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

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	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, 30 min)

PCR products

primer_set	product_size	product
primer 2 primer 3	316 bp	mutant
primer 1 primer 2	590 bp	wild

Comment