

RIKEN BRC

Jun. 14, 2006

BRC_No 01543 Strain name PV321

Primer	primer_name	primer_seq	length
1	1Novel-PV321-F1	AGGTCTCAAACGCTTGTCCCTCTTGTG	27
2	11Novel-PV321-R1	CTGCCTCAGAGAGAACAGCCTAGACTC	27
3	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27

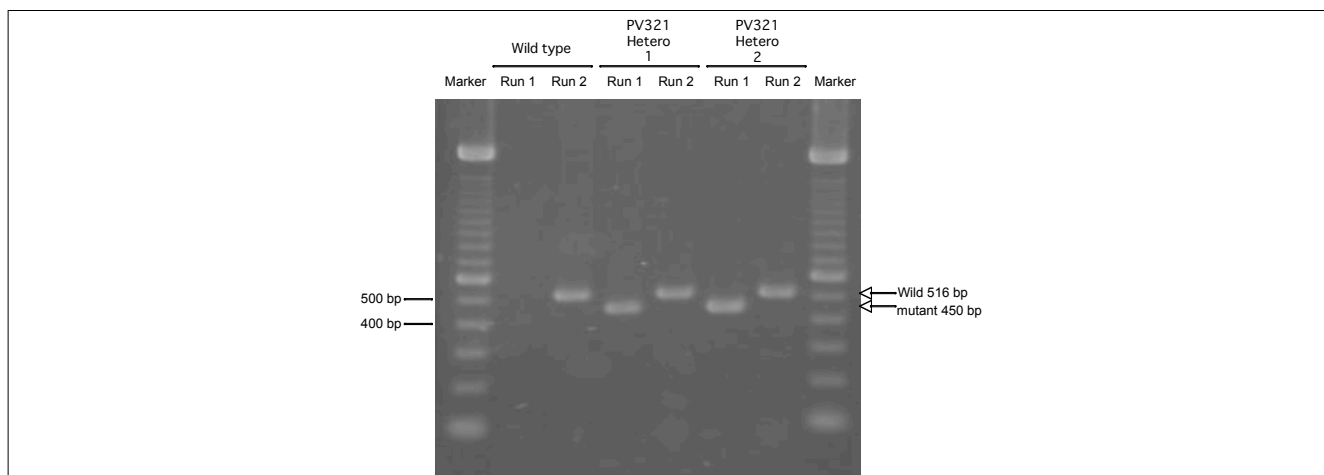
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

Conc	Run 1	Run 2	Run 3
H2O	17.3	17.3	
PCR buffer	2.5	2.5	
dNTP	2.0	2.0	
primer 1	0	1.0	
primer 2	1.0	1.0	
primer 3	1.0	0	
DNA	1.0	1.0	
Taq	0.2	0.2	
total	25	25	

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, 40 min)

PCR products		product_size	product
primer_set	primer_set		
primer 2	primer 3	450 bp	mutant
primer 1	primer 2	516 bp	wild

Comment