

BRC_No 01606

Strain name PV372

Primer

	primer_name	primer_seq	length
1	Luzp2-PV372-R1	ATGGCCTTCTGCAAGACTTCTATGAAG	27
2	Luzp2-PV372-F1	GCAACATGCAACATGCTAATTAGACAG	27
3	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27

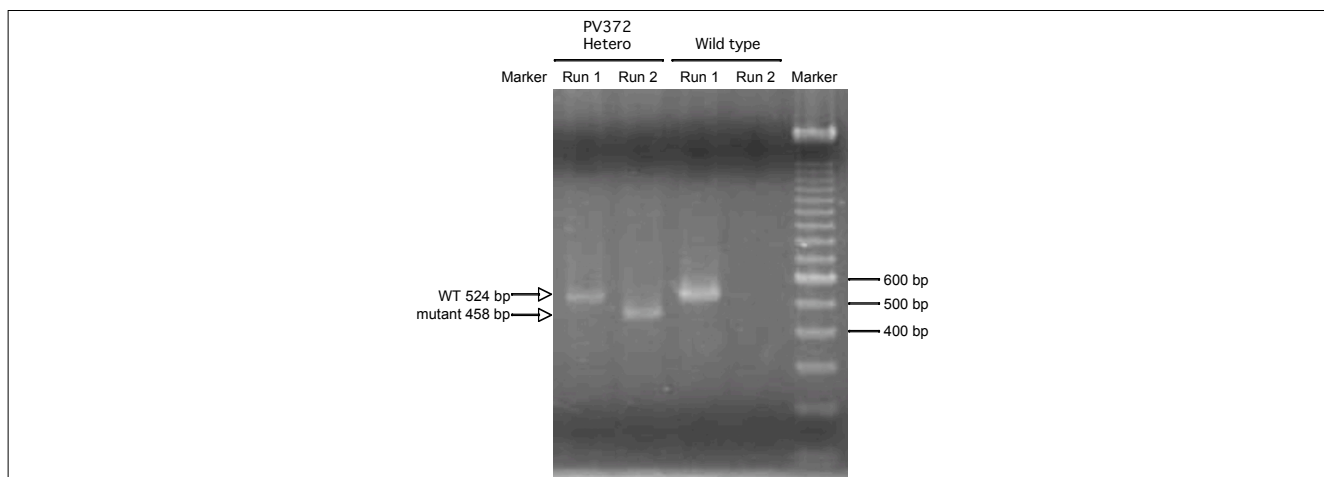
Reaction Components

Enzyme TaKaRa Ex Taq

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	

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



Marker

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

Gel

2% agarose in 1 X TAE (100 V, 40 min)

PCR products

primer_set	product_size	product
primer 1 primer 2	524 bp	wild
primer 1 primer 3	458 bp	mutant

Comment