

BRC\_No 01562

Strain name PV250

Primer			
	primer_name	primer_seq	length
1	Novel-PV250-F2	TGGACTTGCAAACCTTTATATGCCCCAG	27
2	Novel-PV250-R1	TATGTCACAGGCTAATTGTACTAGGAAAAG	30
3	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27

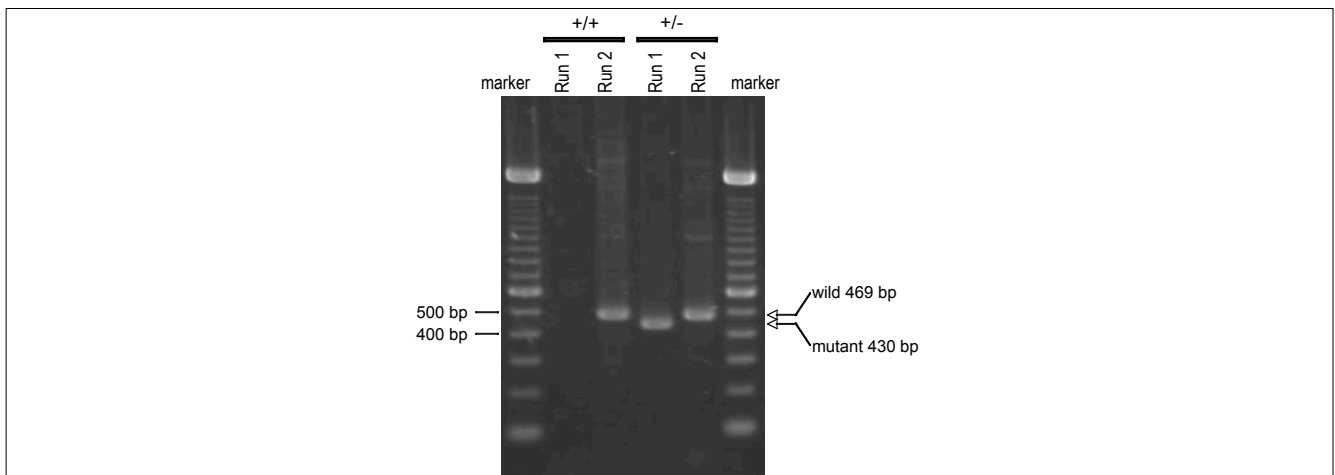
**Reaction Components**

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

	Conc	Run 1	Run 2	Run 3
H2O		4.8	4.8	
PCR buffer	10 X	10.0	10.0	
dNTP	2.5 mM	2.0	2.0	
primer 1	10 pmol/ $\mu$ l	0	1.0	
primer 2	10 pmol/ $\mu$ l	1.0	1.0	
primer 3	10 pmol/ $\mu$ l	1.0	0	
DNA		1.0	1.0	
Taq		0.2	0.2	
total		20	20	

**Reaction Conditions**

step	temp (°C)	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, 40 min)

**PCR products**

primer_set	product_size	product
primer 2 primer 3	430 bp	mutant
primer 1 primer 2	469 bp	wild

Comment