

BRC_No 01570 Strain name PV486

Primer

	primer_name	primer_seq	length
1	Ssbp2-PV486-F1	TGGTTTAGTCCTCTTGTGTGTGCTTAC	27
2	Ssbp2-PV486-R1	GTATAGGAGTAGATGTGGCCTTGCTAG	27
3	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27

Reaction Components

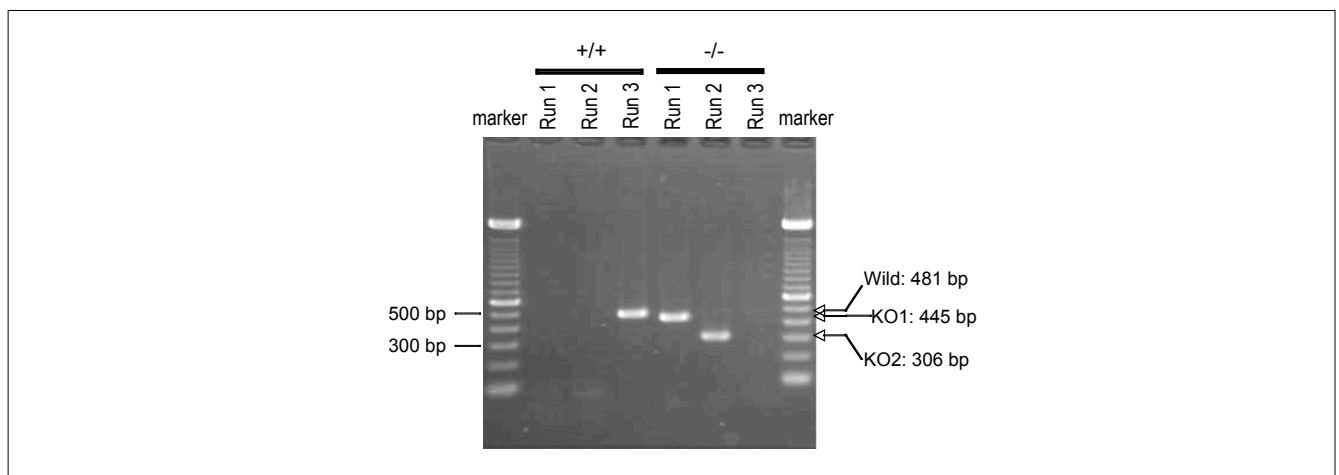
Enzyme

Roche Taq (Cat. No. BM1418432)

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

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	445 bp	KO 1
primer 1 / primer 3	306 bp	KO 2
primer 1 / primer 2	481 bp	wild

Comment