

RBRC 02364

Strain name MRL.129S2(B6)-Pdcd1<tm1Hon>

Primer	primer_name	primer_seq	length	
1	mPD-1F850	CTCGGCCATGGGACGTAGGG	20	Depositor's primer
2	mPD-1R950	GGGTCTGCAGCATGCTAATGGCTG	24	Depositor's primer
3	mPD-1KO31	TTGTGTAGCGCCAAGTGCCAGCG	24	Depositor's primer

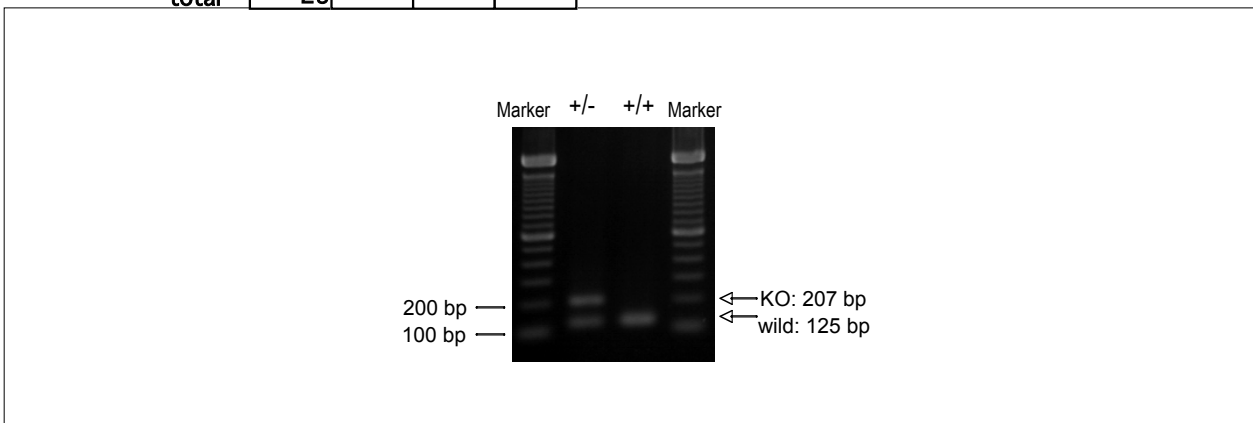
### Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

### Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq		0.2			
<b>total</b>		<b>25</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 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 1	primer 2	125 bp	WT
primer 2	primer 3	207 bp	KO

Comment