

# PCR protocol

RBRC 01774

Strain name mDomino knockout mouse

Primer	primer_name	primer_seq	length	
1	domCF2	AGAATGTCCAACATCAGCTGCAGAGGTCTA	30	Depositor's primer
2	NeoR primer	GATTCGCAGCGCATCGCCTTCTATCG	26	Depositor's primer
3	domex2R1	ATCATGTTTCCCTGTAGATGTTGCAAGAAG	30	Depositor's primer

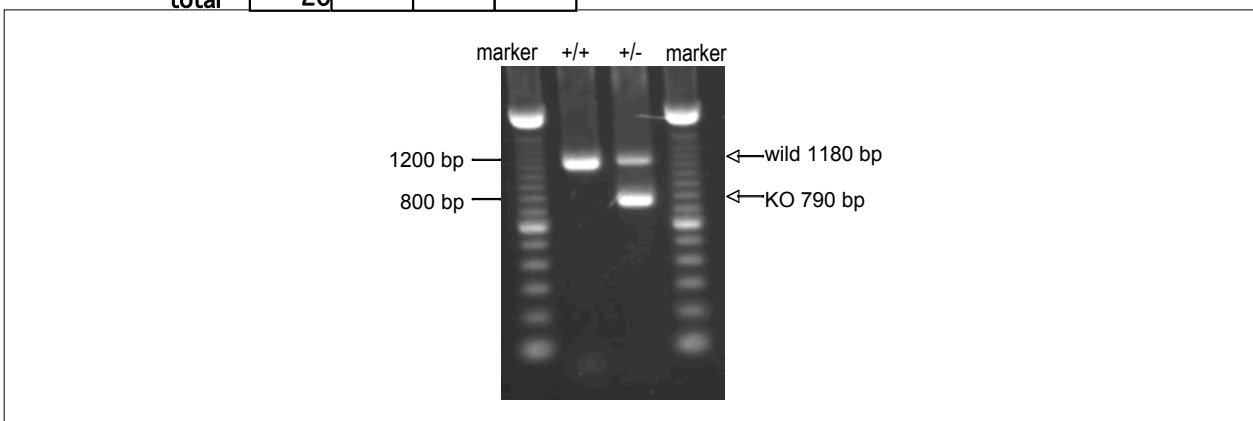
### Reaction Components

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X GC I	10.0			
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>20</b>			

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	62	30*	
4	72	90*	*Repeat for 35 cycles
5	72	300	



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

**Gel**  
2% agarose in 1 X TAE (100 V, 35 min)

PCR products			
	primer_set	product_size	product
primer 1	primer 2	790 bp	KO
primer 1	primer 3	1180 bp	WT

Comment