

# PCR protocol

RBRC 02595 Strain name mDia1(loxP) (Acc. No. CDB0437K)

Primer	primer_name	primer_seq	length	
1	Ex1_Fw	GGACAAGAAGAAGGGTCGGAG	21	RIKEN BRC
2	int1_Rv	TACACAAGCCTCTGTGACATGCC	23	RIKEN BRC
3	Neo	GCAATCCATCTTGTCAATGGCC	23	Depositor's primer

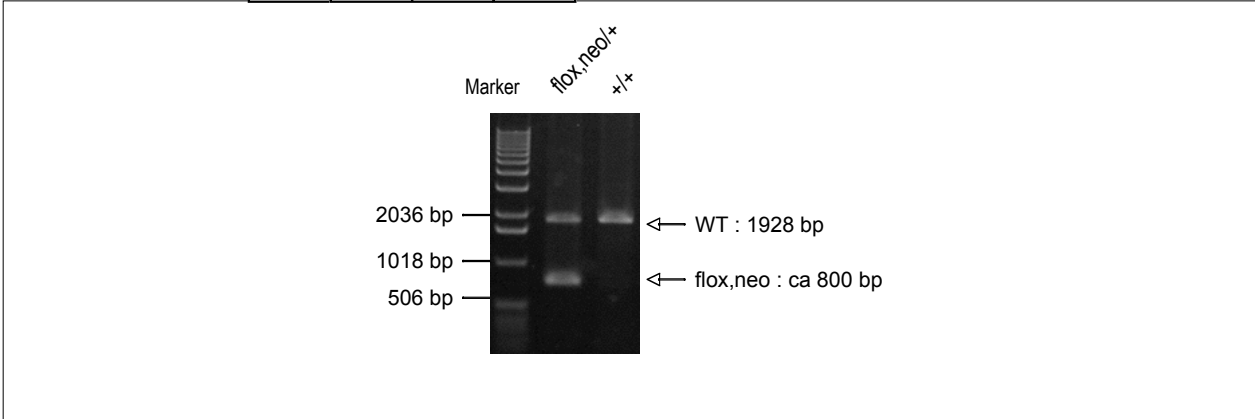
### Reaction Components

Enzyme TOYOBO KOD FX (Code.No : KFX-101)

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	57	30*	
4	68	120*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2 mM	4.0			
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	1 U/ $\mu$ l	0.2			
<b>total</b>		<b>20</b>			


 Marker  
 1 kb DNA ladder (Invitrogen, Cat. 15615-024)

 Gel  
 1% agarose in 1 X TAE (100 V, 30 min)

### PCR products

primer_set	product_size	product	
primer 1	primer 2	1928 bp	WT
primer 3	primer 2	ca 800 bp	flox, Neo

Comment