

RBRC 04609

Strain name B6;129P2-Wnt5a<tm1.1Homy>

Primer	primer_name	primer_seq	length	
1	Wnt5a-1	ATTCTCGGAAGGTACTGCTATCTCTACC	30	Depositor's primer
2	Wnt5a-2	GAAAACAGAGGTATTGTGCAGTCCCCACCC	31	Depositor's primer
3	04609_null	TCCTAAAGGAAATCCAGGCTGCTC	24	RIKEN BRC

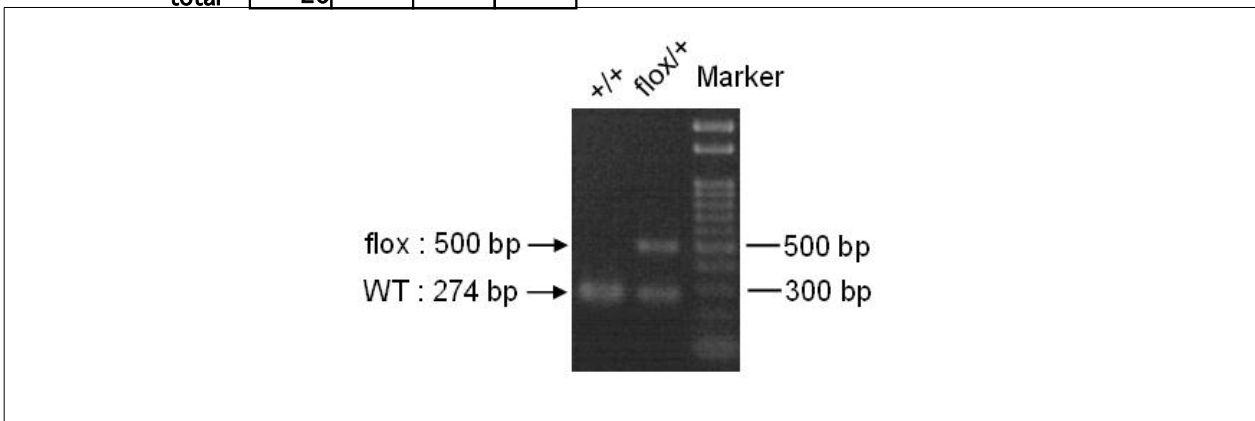
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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	5 U/ $\mu$ l	0.1			
<b>total</b>		<b>20</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



**Marker**

Gene Ladder 100 (Wako, Cat. 316-06951)

**Gel**

2% agarose in 1 X TAE (100 V, 30 min)

**PCR products**

primer_set	product_size	product
primer 1 primer 2	274 bp	WT
primer 3 primer 2		KO
primer 1 primer 2	500 bp	flox

Comment