

RBRC 01461

Strain name MBPCre-9

Primer	primer_name	primer_seq	length	
1		CAGGGGAGGCAGATGCGATCC	21	RIKEN BRC
2	Cre	CTAATCGCCATCTTCCAGCAGG	22	
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

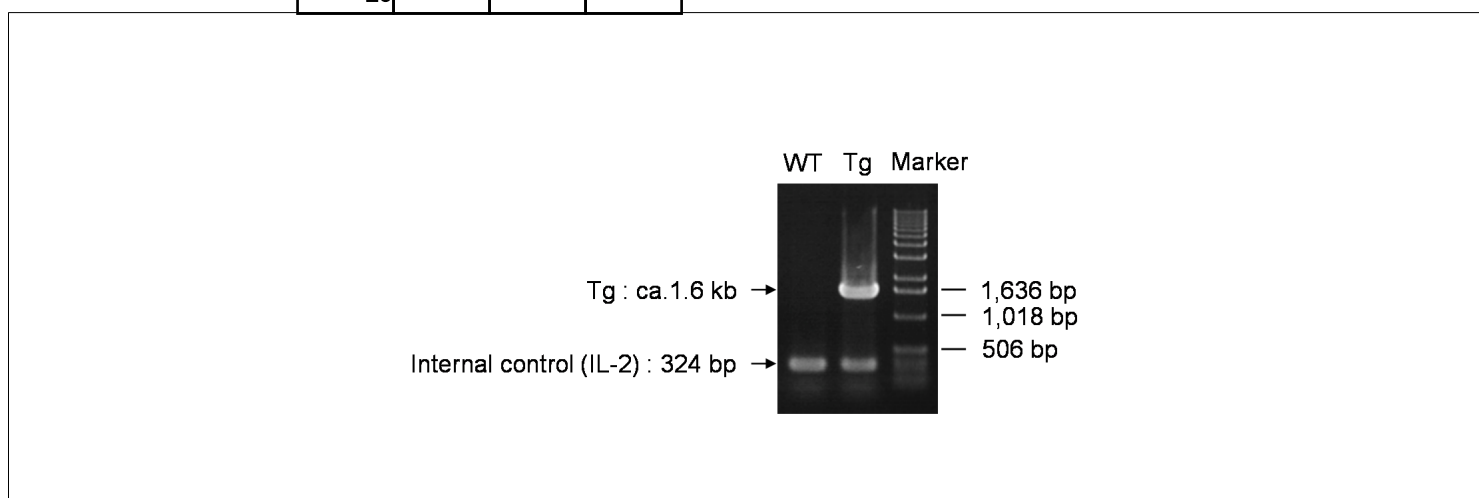
**Reaction Components**

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

	Conc	Run 1	Run 2	Run 3	Run 4
H <sub>2</sub> O		2.9			
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			
primer 4	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	5 U/ $\mu$ l	0.1			
<b>total</b>		<b>20</b>			

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	


**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	ca 1.6 kb	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

**Comment**

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