

# PCR protocol

**RBRC 02252**      **Strain name** C57BL/6-Tg(hK5-DsRed2/hK14)1

Primer	primer_name	primer_seq	length	
1	DN1806	CATCTACAAGGTGAAGTTCATCGGCGTG	28	Depositor's primer
2	DN802	CACCTTCTCACTGCCACCAGAA	23	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2) JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2) JAX Genotyping Protocol

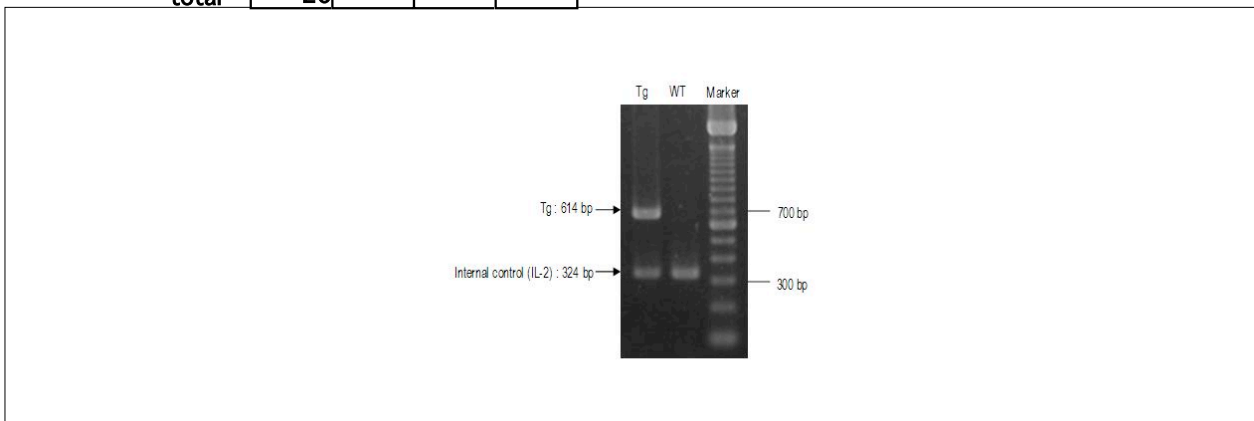
### Reaction Components

### Reaction Conditions

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

Conc	Run 1	Run 2	Run 3	Run 4
H2O	2.8			
PCR buffer	10.0			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
primer 3	1.0			
primer 4	1.0			
DNA	1.0			
Taq	0.2			
<b>total</b>	<b>20</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



### Marker

### PCR products

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

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

primer_set	product_size	product
primer 1	614 bp	Tg
primer 3	324 bp	Internal control (IL-2)

**Comment**