

BRC\_No 01663

Strain name K14-AhR-CA TG mouse line239

Primer				
	primer_name	primer_seq	length	
1	Forward	AACTCTCTGTTCTTAGGCTCAGCGTC	26	
2	Reverse	ATACGCTCTGATGGATGACATCAGACT	27	
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-

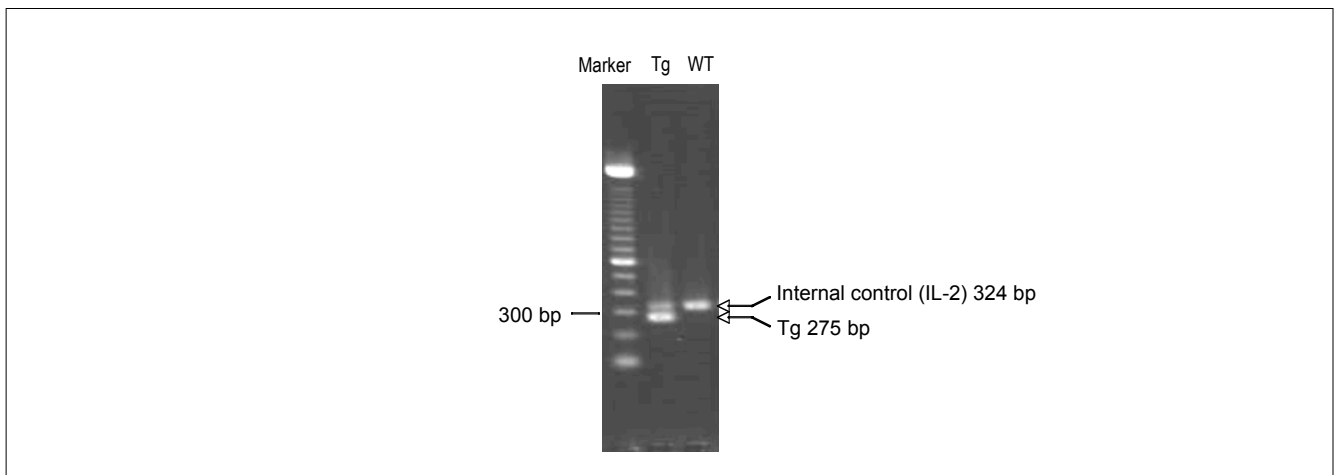
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		15.3		
PCR buffer	10 X	2.5		
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		0.2		
total		25		

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	30*	*Repeat for 30 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	275 bp	Tg
primer 3 primer 4	324 bp	internal control (IL-2)

Comment