

RBRC 05845

Strain name B6D2-Tg(hOX-Arch/EGFP)1Ahky

Primer	primer_name	primer_seq	length	Reference
1	hOX-promoter_F	GCAGCGGCCATTCCCTTGG	18	Depositor's primer
2		TCAGCTCGATGCGGTTTAC	19	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

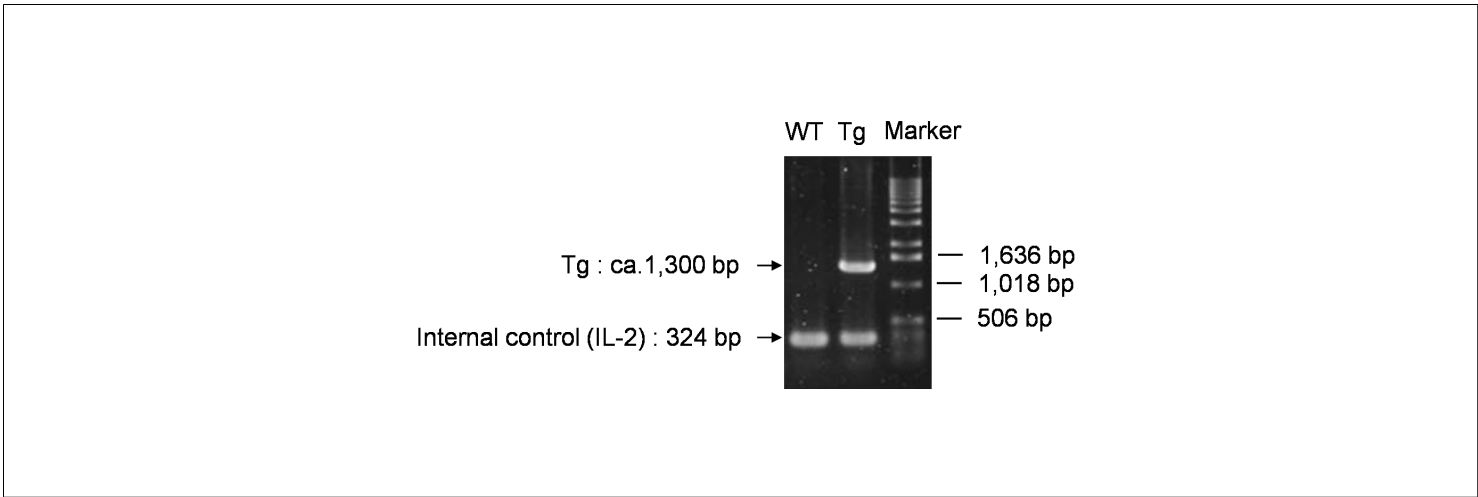
Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		11.3				
PCR buffer	10 X	2.0				
dNTP	2.5 mM	1.6				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
primer 4	10 pmol/μl	1.0				
DNA		1.0				
Taq	5 U/μl	0.1				
total		20				

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	90*	*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)



primer_set	product_size	product (allele type)	
primer 1	primer 2	ca 1,300 bp	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

Comment Standard PCR