

RBRC 05994

Strain name ICR;D2-Tg(H7-UbLuc-In*del)1Kag

Primer	primer_name	primer_seq	length	Reference
1	LucF	TACTGGTCTGCCTAAAGGTG	20	Proc. Natl. Acad. Sci. USA, 108(8):3300-5 (2011).
2	Primer 3	AGCGCGGAGAAAAGCTGGGAGCGTG	25	Proc. Natl. Acad. Sci. USA, 108(8):3300-5 (2011).
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

Enzyme TOYOBO KOD FX (Code.No : KFX-101)

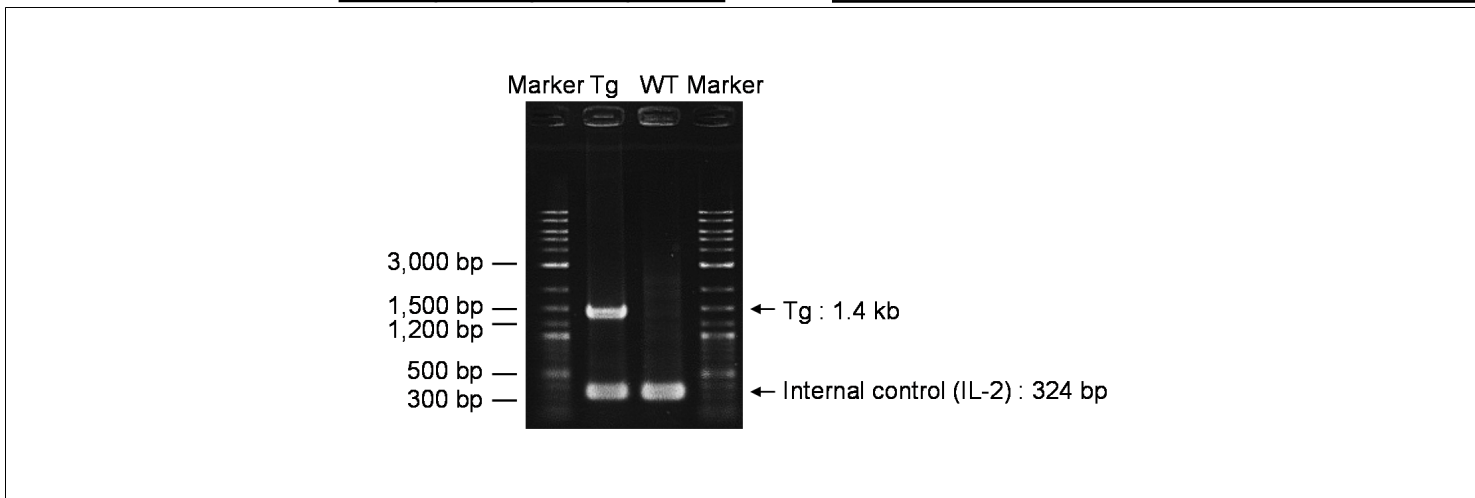
Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	(µL)
H2O		0.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
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	1 U/µl	0.2				
total		20				

Marker 2-Log DNA Ladder (NEB, Cat. N3200)

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



primer_set	product_size	product (allele type)
primer 1	primer 2	1.4 kb
primer 3	primer 4	324 bp
		Tg
		Internal control (IL-2)

Comment Standard PCR

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.