

RBRC 04896

Strain name B6;B6D2-Tg(Col11a2-Ddr2*DN)

Primer	primer_name	primer_seq	length	
1	Col11a2-Ddr2 F Primer	ATTCAGGTCCCGGATCC	18	Depositor's primer
2	DDR2 R Primer	CAAACCTGCTGTCCAGCTG	18	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

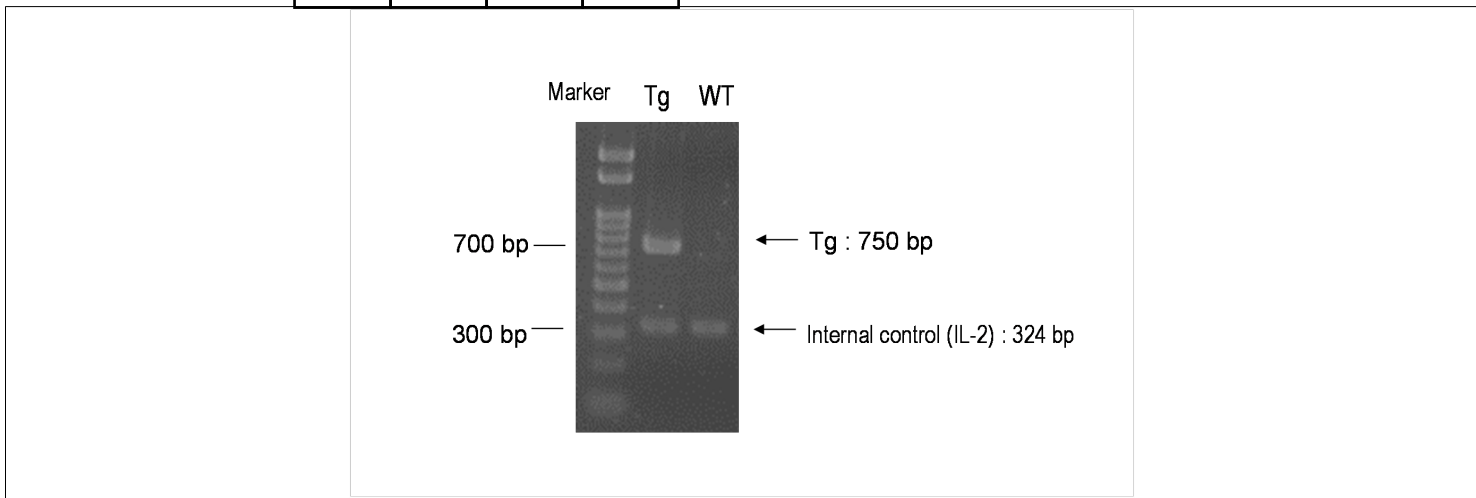
Reaction Components

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

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	55	30*	
4	68	60*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.8			
PCR buffer	2 X	10.0			
dNTP	2 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
Gene Ladder 100 (Wako, Cat. 316-06951)

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

Comment

PCR products	primer_set	product_size	product
primer 1	primer 2	ca 750 bp	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

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