

RBRC 06581

Strain name C57BL/6-Tg(Dlx5/6-tTAad)2Imayo

Primer	primer_name	primer_seq	length	
1	Dlx5/6 enhancer	GCACTGCAGCTGGAGGCTTTGTTC	24	RIKEN BRC
2	tTA-Ad-386bp-rv	CCAGGCCACATATGATTAGTTCCAG	25	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

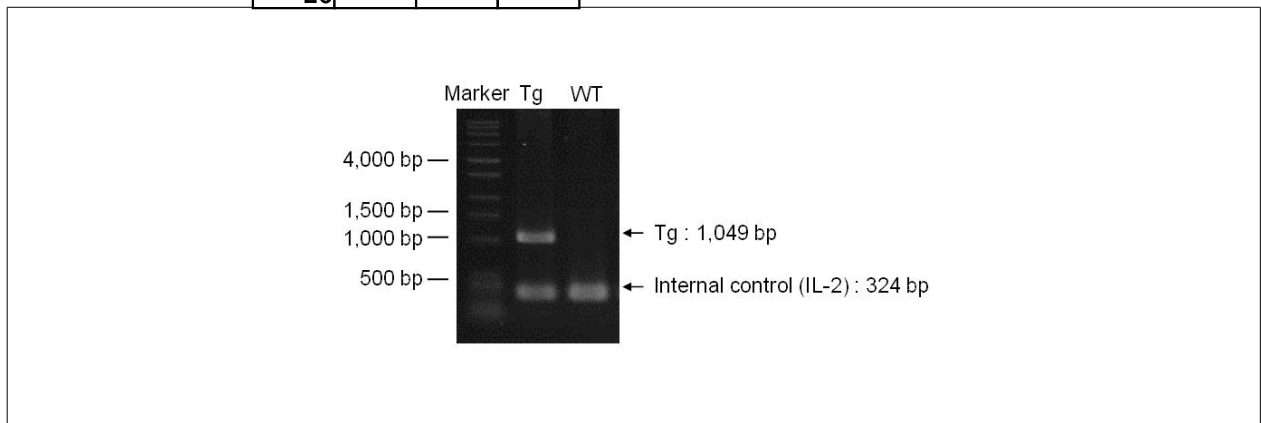
Reaction Components

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

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	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	2.0 mM	4.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
primer 4	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			



Marker	PCR products	primer_set	product_size	product
1 kb DNA ladder (Invitrogen, Cat. 15615-024)	primer 1	primer 2	1,049 bp	Tg
Gel	primer 3	primer 4	324 bp	internal control (IL-2)
1% agarose in 1 X TAE (100 V, 30 min)				
Comment				

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