

RBRC 09545

Strain name STOCK-Tg(Slc6a3-tTA)15Kftrnk

Primer	primer_name	primer_seq	length	Reference
1	DAT-371U	AATGTGGGTAAGCAATGCAGGCAG	24	Depositor's primer
2	mtTA24L	CGGAGTTGATCACCTTGGACTTGT	24	KT239651 Biol. Psychiatry, 67, 770-773 (2010).
3	oIMR0015	CAAATGTTGCTTGTCTGGTG	20	JAX Genotyping Protocol
4	oIMR0016	GTCAGTCGAGTGCACAGTTT	20	JAX Genotyping Protocol

Reaction Components

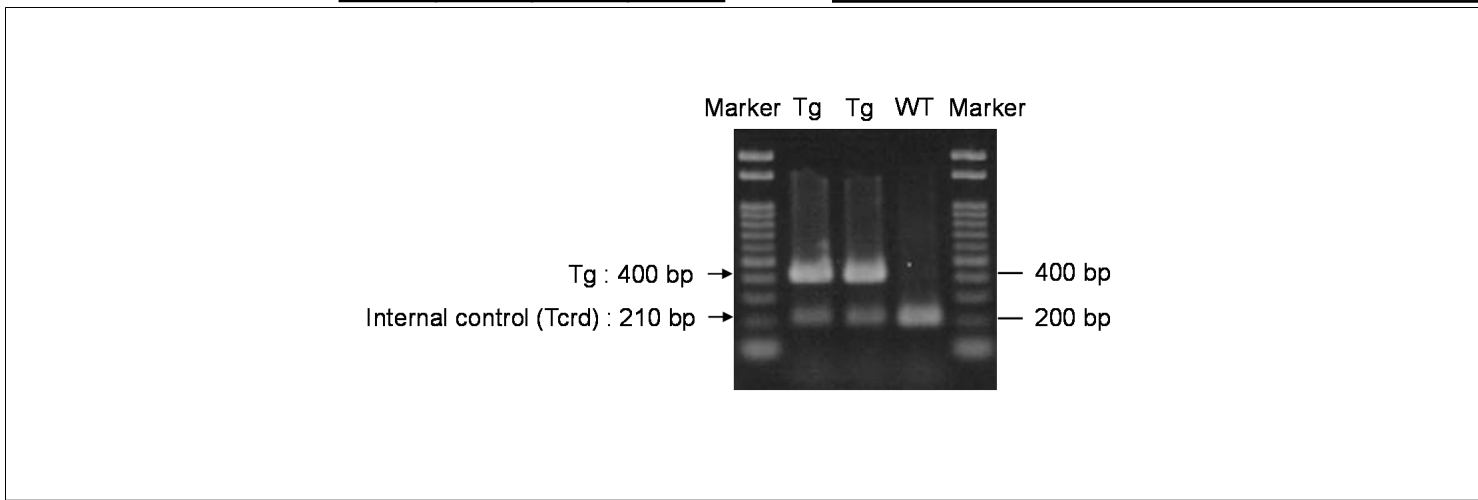
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4
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	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1 primer 2	400 bp	Tg
primer 3 primer 4	210 bp	Internal control (Tcrd)

Comment [Standard PCR](#)

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