

RBRC 04058

Strain name C57BL/6-Tg(Nes-d4YFP*)1H0kn

Primer	primer_name	primer_seq	length	Reference
1	Rat Nes F	GCCCCAGTCAGTCCTCTGAGGG	22	RIKEN BRC
2		CTTGACAGCTCGTCCATGCCGAG	24	RIKEN BRC
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

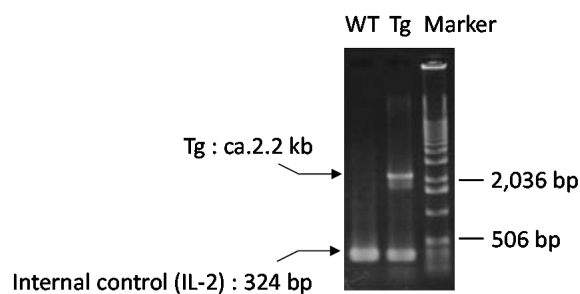
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
--------	-----------------------------------

Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	0.5			
primer 2	10 pmol/ μ l	0.5			
primer 3	10 pmol/ μ l	1.0			
primer 4	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		20			

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	ca 2.2 kb
primer 3	primer 4	324 bp

Comment

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

--