

RBRC 10456

Strain name C57BL/6J-Tg(MafA-KOr)Dluhw

Primer	primer_name	primer_seq	length	Reference
1		CGGCGCGACCAGAGCCTGAG	20	RIKEN BRC
2		AGGCGCACCGCGGTAGGTAC	20	RIKEN BRC
3	W8	CACCGGCCGCCCTACGA	18	Endocr J., 62(1):37-51 (2015).

Reaction Components

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

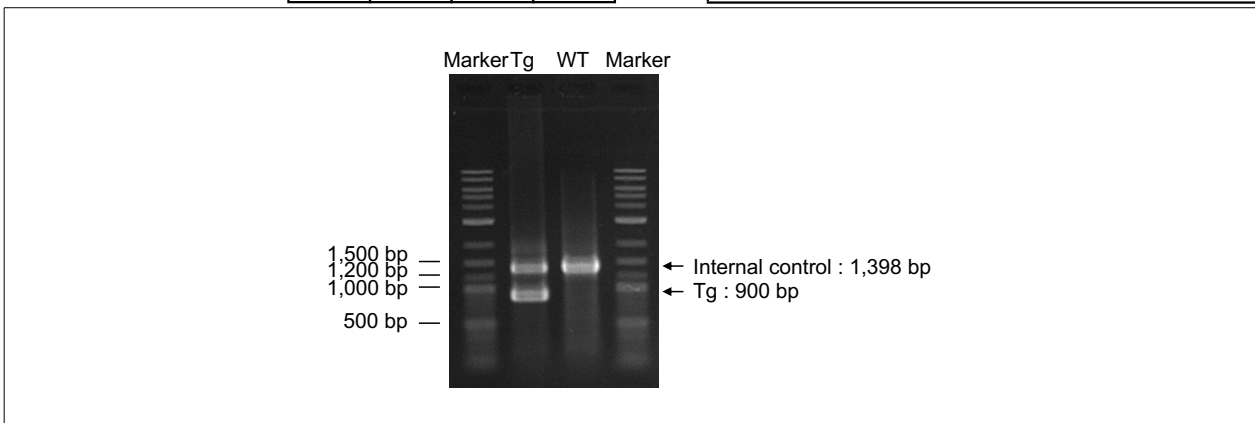
Reaction Conditions

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		1.8				
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				
DNA		1.0				
Taq	1 U/μl	0.2				
total		20				

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

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	1,398 bp	Internal control
primer 2	primer 3	900 bp	Tg
			Non-Tg : 1,398 bp Tg : 1,398 bp, 900 bp

Comment [Standard PCR](#)

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