

# PCR protocol

RBRC 03166

Strain name B6J.B6D2-Tg(CAG-Nmnat1)1Ara

Primer	primer_name	primer_seq	length	
1		gaccggcggctctagagcctctgctaa	27	Depositor's primer
2		cctgaggtgcatgttggtgatggggtta	28	Depositor's primer
3		cagaggaacgccgcagaggccaagcaciaa	29	Depositor's primer
4		gctcaaggggcttcatgatgtccccata	28	Depositor's primer
5	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
6	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

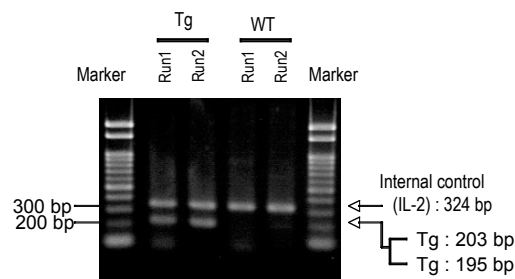
## Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

## Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	15.3	15.3		
PCR buffer	2.5	2.5		
dNTP	2.0	2.0		
primer 1	1.0	0		
primer 2	1.0	0		
primer 3	0	1.0		
primer 4	0	1.0		
primer 5	1.0	1.0		
primer 6	1.0	1.0		
DNA	1.0	1.0		
Taq	0.2	0.2		
<b>total</b>	<b>25</b>	<b>25</b>		

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



## Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

## Gel

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

## PCR products

primer_set	product_size	product
primer 1	203 bp	Tg
primer 3	195 bp	Tg
primer 5	324 bp	Internal control (IL-2)

## Comment