

RBRC 04751

Strain name C57BL/6J-Tg(DBH-hMOR)C

Primer	primer_name	primer_seq	length	Reference
1	hDBH	GAAGGGACAGCATCCGCCTGTC	22	RIKEN BRC
2	MOR3L	GGCAGCTGTTTGTGTAAC	18	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

**Reaction Components**

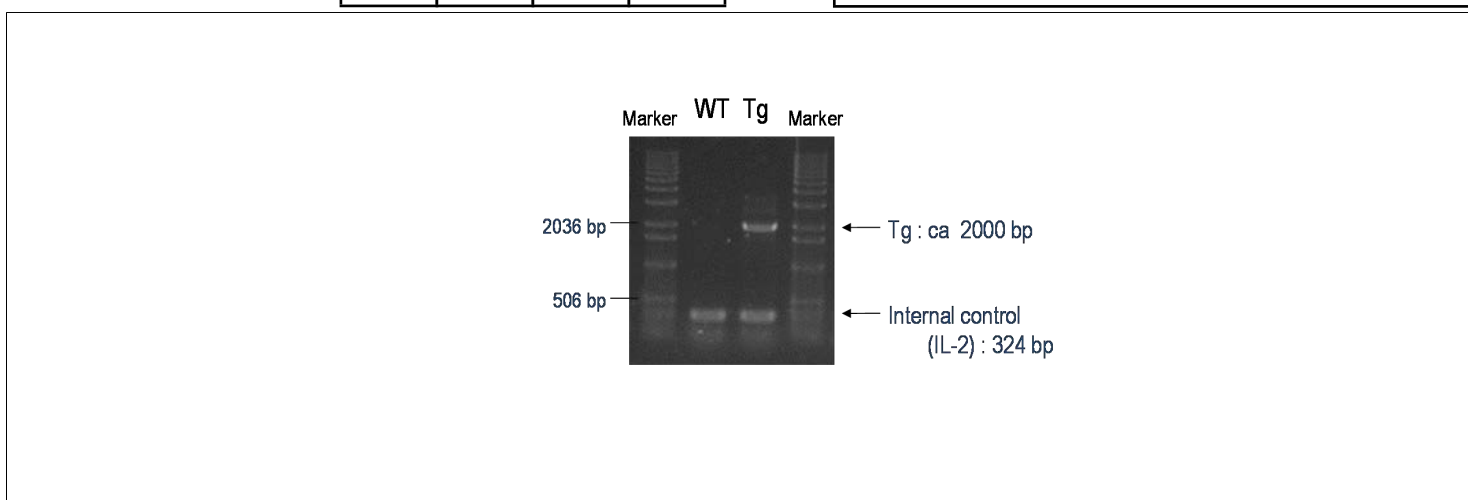
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reagent	Conc	Reaction 1	2	3	4
H2O		2.3			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/ $\mu$ l	2.0			
primer 2	10 pmol/ $\mu$ l	2.0			
primer 3	10 pmol/ $\mu$ l	0.5			
primer 4	10 pmol/ $\mu$ l	0.5			
DNA		1.0			
Taq	5 U/ $\mu$ l	0.1			
<b>total</b>		20			

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	

**Marker** 1 kb DNA ladder (Invitrogen, Cat. 15615-024)  
**Gel** 1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	ca 2,000 bp	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

**Comment**