

PCR protocol

RBRC 03313

Strain name DV1-1-11 Tg

Primer	primer_name	primer_seq	length	
1	hDBH	gaagggacagcatccgcctgctc	22	RIKEN BRC
2		TCACTGGAGAAGAGCTTTGATTG	23	RIKEN BRC
3		ccataatggtcattgactacctc	23	RIKEN BRC

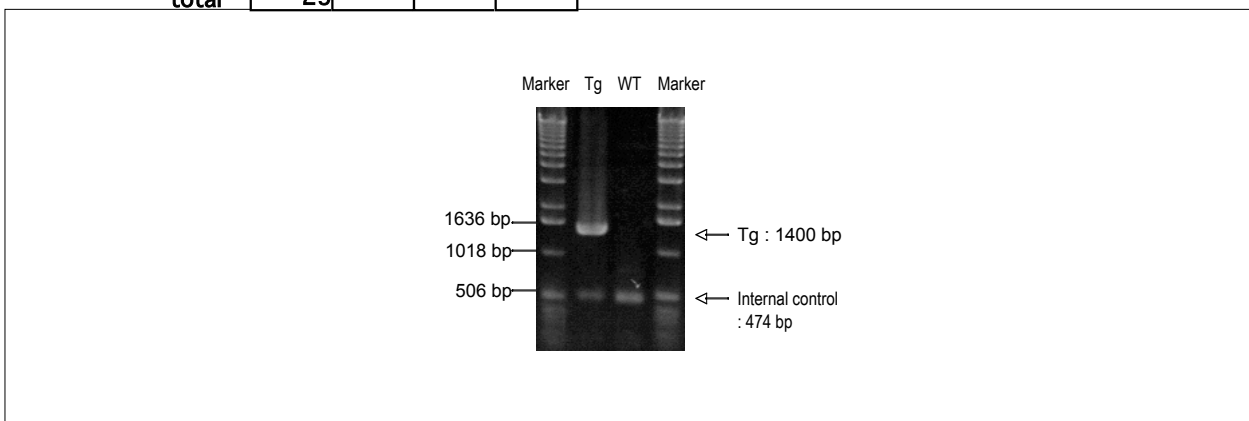
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/μl	0.5			
primer 2	10 pmol/μl	1.5			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq		0.2			
total		25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	57	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)

PCR products		primer_set	product_size	product
primer 1	primer 2	primer 1 - primer 2	1400 bp	Tg
primer 2	primer 3	primer 2 - primer 3	474 bp	Internal control

Comment