PCR protocol

Sheet ID PS_04663
Release date : 04/24/2013
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RBRC 05385 **Strain name** Dppa3-MER-Cre-MER-PEST (Acc. No. CDB0475T)

Primer	primer_name	primer_seq	length		
1	Forward	CATACAGGCTGCATCGGTAAC	21		Depositor's primer
2	Reverse	CTTGTCATCGTCATCCTTGTAATCGATG	28		Depositor's primer
3	Internal control reverse	TCTGGTTGTAGGACGTCTGAAACAG	25		Depositor's primer

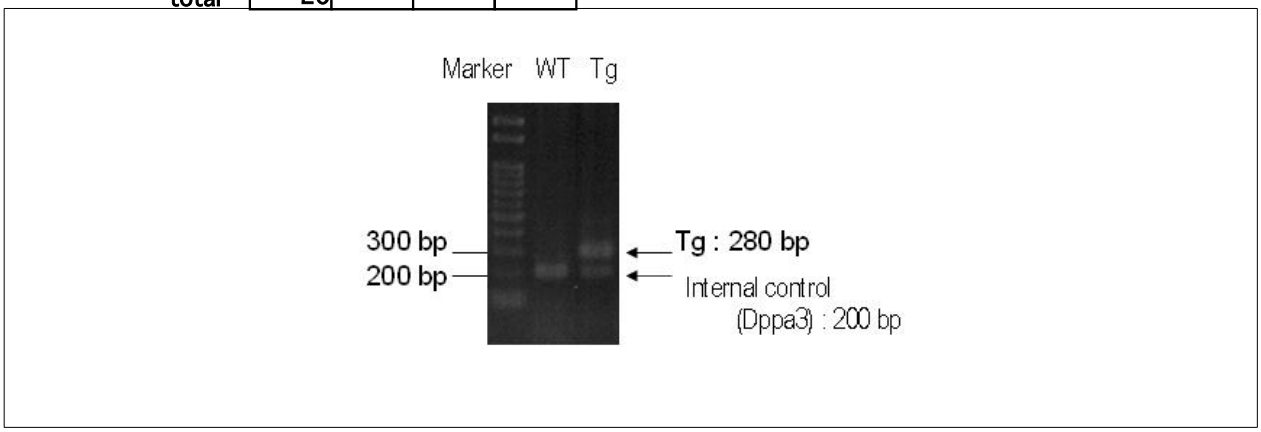
Reaction Components

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
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	5U/μl	0.1			
	total	20			

Reaction Conditions

step	temp (℃)	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	primer 2	280 bp	Tg
primer 1	primer 3	200 bp	Dppa3(Internal)

Comment