

BRC_No 01153 Strain name TgN(Six3 Cre)22Frt

Primer			
	primer_name	primer_seq	length
1	Cre5P	TCGATGCAACGAGTGATGAG	20
2	Cre3P	TTCGGCTATACGTAACAGGG	20
3	Bmp4/6636	GTGTAGGGTGTGAGGGAG	18
4	Bmp4/r6837	ACGACCATCAGCATTCGG	18

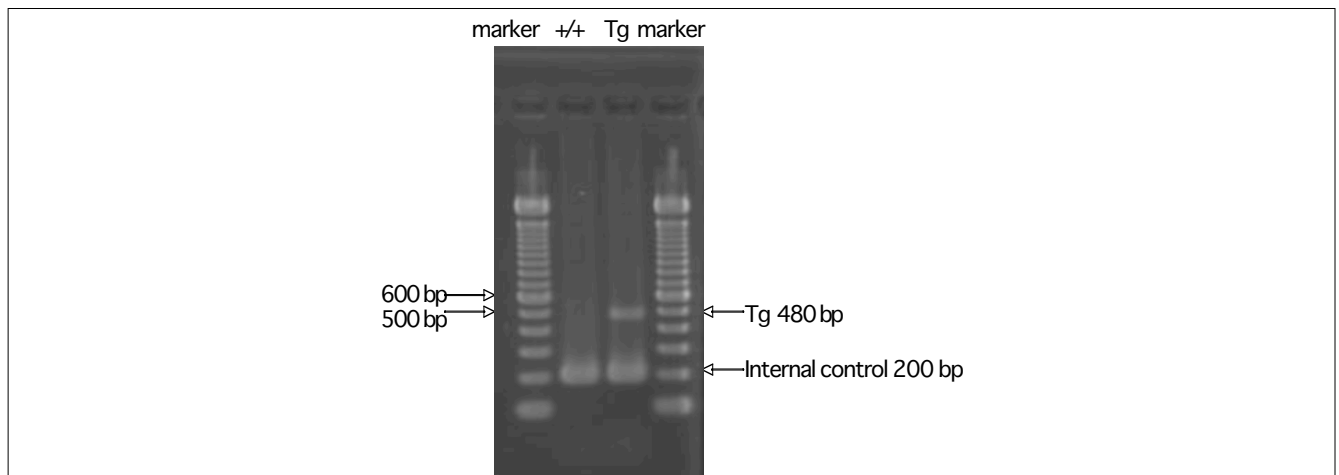
Reaction Components

Enzyme TaKaRa LA Taq

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		1.8		
PCR buffer	2 X	10.0		
dNTP	2.5 mM	2.0		
primer 1	10 pmol/ μ l	0.5		
primer 2	10 pmol/ μ l	0.5		
primer 3	10 pmol/ μ l	2.0		
primer 4	10 pmol/ μ l	2.0		
DNA		1.0		
Taq		0.2		
total		20		

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	61	30*	
4	72	30*	*Repeat for 30 cycles
5	72	300	



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

primer_set	product_size	product
primer 1 primer 2	480 bp	Tg
primer 3 primer 4	200 bp	internal control

Comment