

PCR protocol

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RBRC 05701

Strain name STOCK Tg(FLEXCAG-VSFP-Butterfly)552Bsi

Primer	primer_name	primer_seq	length	
1	CiVSPf6	GTCCAGTTTCGTGTCCGAGCAGTGATTG	28	Depositor's primer
2	CiVSPr6	TATTCTTGCTAATCGAACCACACGCAGC	28	Depositor's primer
3	NR1-GT2	AGCCCTTCAAGTACCAGGGCCTGAC	25	Depositor's primer
4	NR1-GT3	AGCGGTCCAGCAGGTACAGCATCAC	25	Depositor's primer

Reaction Components

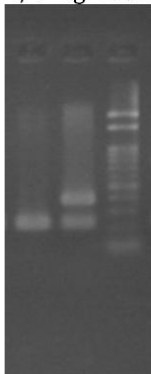
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.9			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
primer 4	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	5U/ μ l	0.1			
total		20			

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	

+/+ Tg Marker



← Tg: 359 bp
← Internal control : 229 bp

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	359 bp	Tg
primer 3	primer 4	229 bp	Internal control (NR1)

Comment