

RBRC 05822

Strain name C57BL/6J-Tg(hSMA-NCX1*trun)1

Primer	primer_name	primer_seq	length	Reference
1	FHSMA-Bam	TGCTCCAGCCTTTCTAATTTTATG	24	Depositor's primer
2	RN-1	TTACAATAATATGAGCCAGTACA	23	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

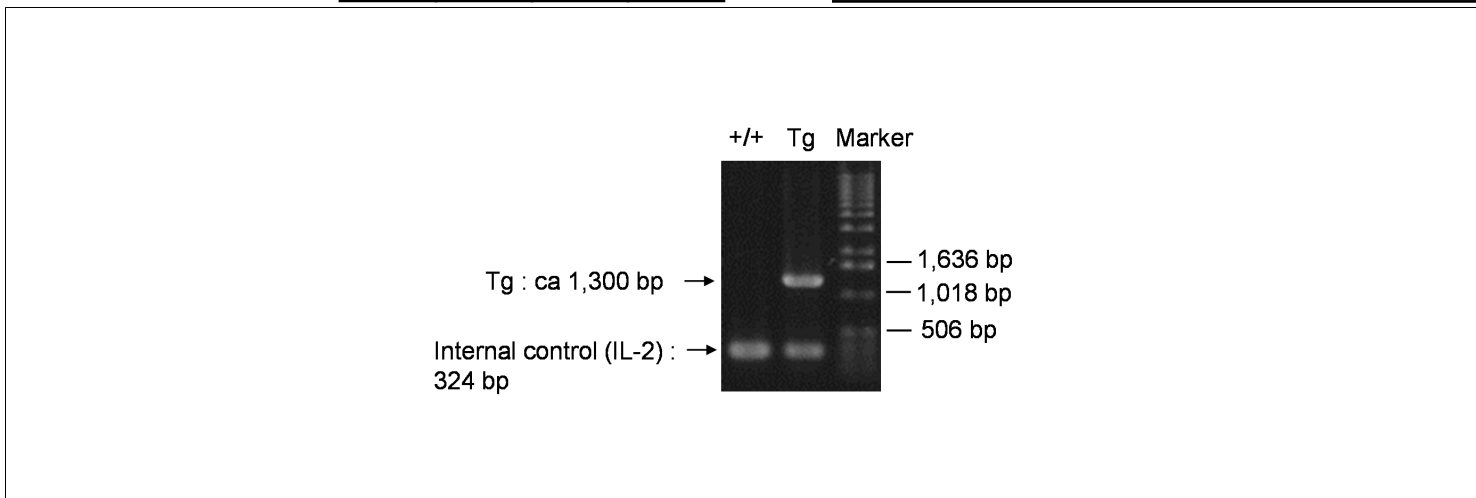
Reagent	Conc	Reaction 1	2	3	4
H2O		11.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
primer 4	10 pmol/μl	1.0			
DNA		1.0			
Taq	5 U/μl	0.1			
total		20			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	60*	*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 1300 bp Tg
primer 3	primer 4	324 bp Internal control (IL-2)

Comment