

RBRC 11505

Strain name B6N-Smgc<em1Hnkt>

Primer	primer_name	primer_seq	length	Reference
1	Smgc-F	GAGTGAAGAAAGGTTCTGATGTTGG	25	Depositor's primer
2	Smgc-R	GGCAGAGACGTAAGGCCACTA	21	Depositor's primer
3	Del_7-R	CAGAGACGTAAGGCCACAGG	20	Depositor's primer

Reaction Components

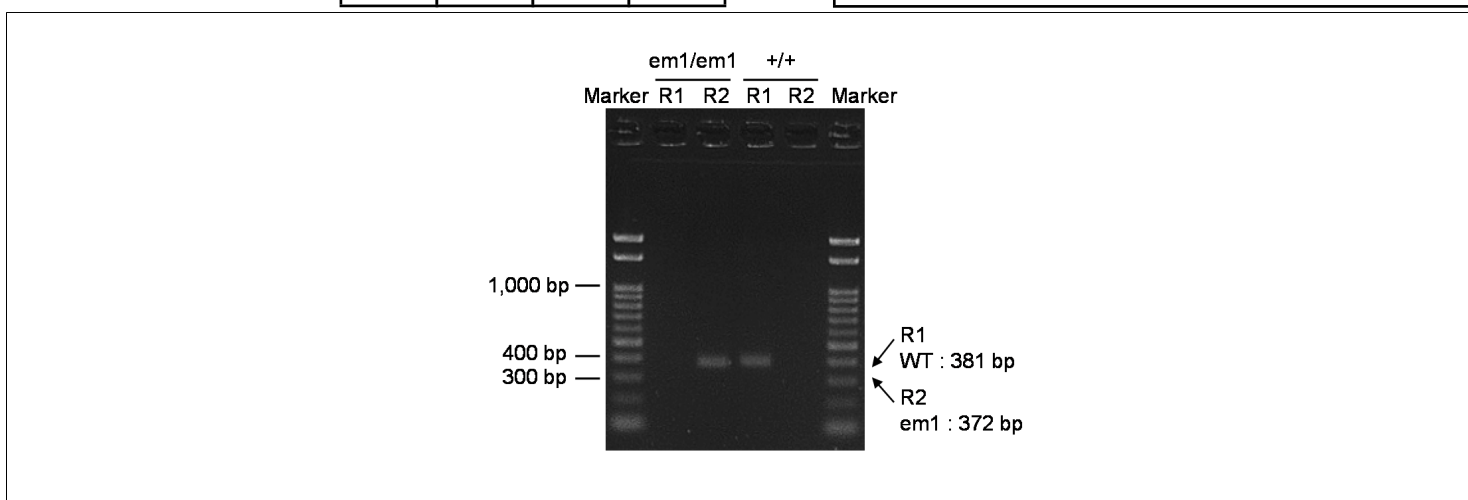
Enzyme: QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	60*	*Repeat for 25 cycles

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		2.0	2.0			
Master Mix	2 X	5.0	5.0			
primer 1	10 pmol/μl	1.0	1.0			
primer 2	10 pmol/μl	1.0	0			
primer 3	10 pmol/μl	0	1.0			
DNA		1.0	1.0			
total		10	10			

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	381 bp	WT
primer 1	primer 3	372 bp	em1

Reaction 1
+/+ (wild-type): 381 bp
em1/em1 (homozygous): none

Reaction 2
+/+ (wild-type): none
em1/em1 (homozygous): 372 bp

Comment Separated PCR