

RBRC 06558

Strain name B6(D2)-Smo<Rgsc2073>

Primer	primer_name	primer_seq	length	Reference
1	wild	CAACGAGACCATGCTGCGCCTGTG	24	RIKEN BRC
2	mut	CAACGAGACCATGCTGCGCCTGTA	24	RIKEN BRC
3	Smoex7-R	CTATGGGAGGCCACAGGAAG	20	Depositor's primer

Reaction Components

Enzyme

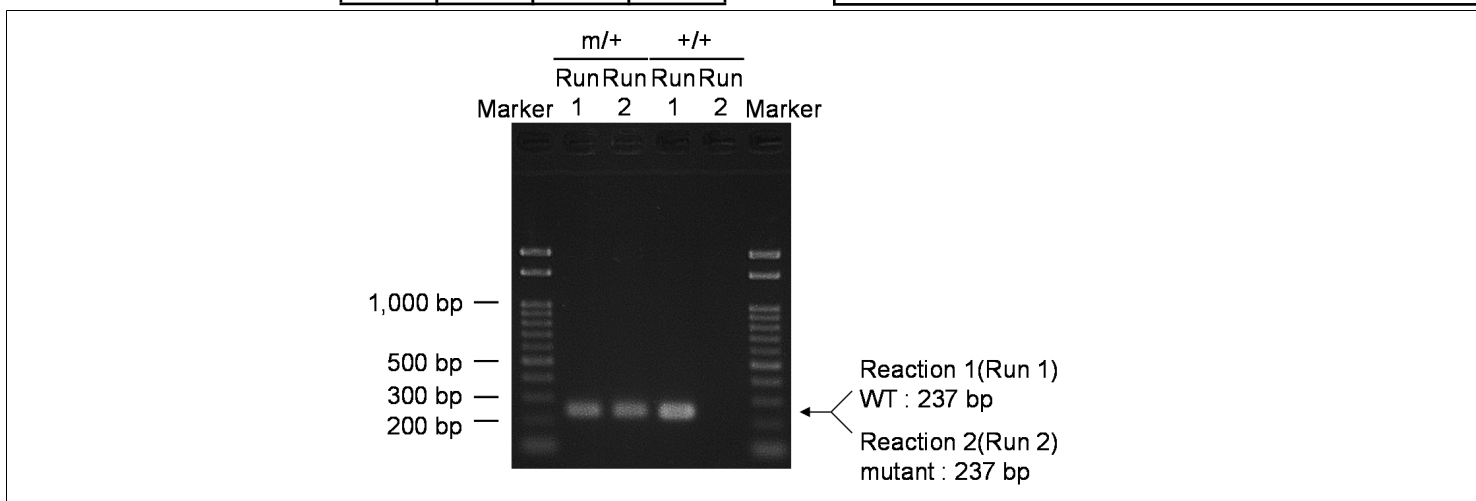
Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	65	90*	
4	72	60*	*Repeat for 30 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	0			
primer 2	10 pmol/μl	0	1.0			
primer 3	10 pmol/μl	1.0	1.0			
DNA		1.0	1.0			
total		10	10			

Marker

Gel



primer_set	product_size	product (allele type)	
primer 1	primer 3	237 bp	WT
primer 2	primer 3	237 bp	mutant

Reaction 1
+/+ (wild-type): 237 bp
m/+ (heterozygous): 237 bp
Reaction 2
+/+ (wild-type): none
m/+ (heterozygous): 237 bp

Comment