

RBRC 10046

Strain name B6(D2)-Sufu<Rgsc2029>

Primer	primer_name	primer_seq	length	Reference
1		AACCCTGTTCCCAGAGGAGT	20	PLoS One. 10(3):e0119455 (2015).
2		TGCTCATATATAGTTCACCCACA	23	PLoS One. 10(3):e0119455 (2015).
3	Rgsc2029_WT	TCCGAGGCTGTGTGCCGAGGCATA	24	RIKEN BRC
4	Rgsc2029_MT	GAGGATGAAGAGGATAGCCGGAGCTA	26	RIKEN BRC

Reaction Components

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

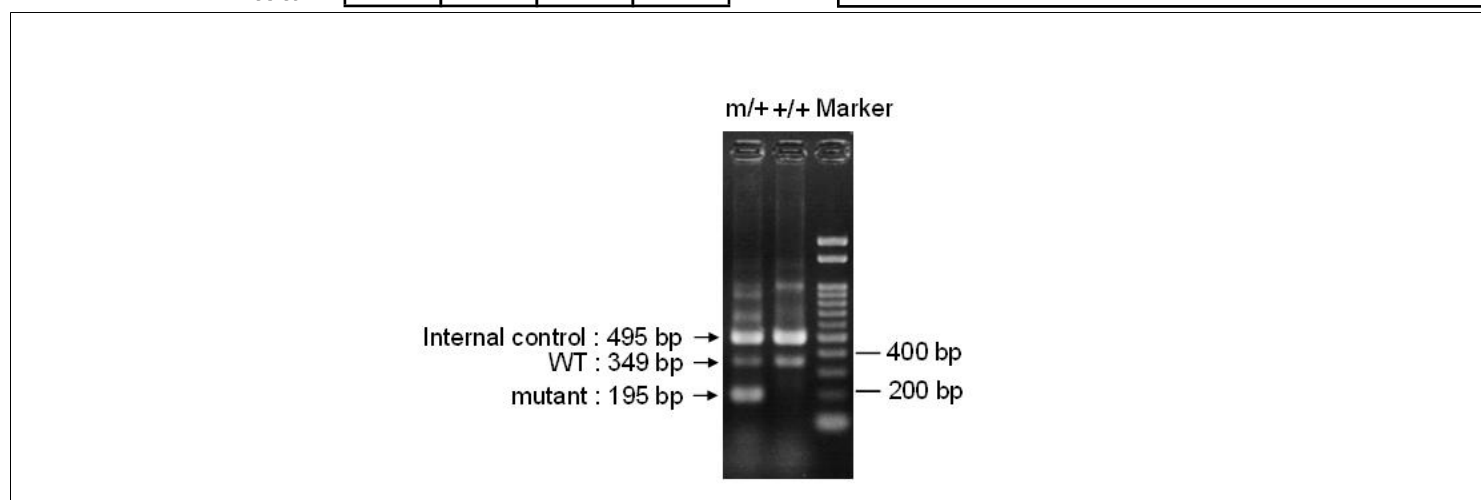
Reagent	Conc	Reaction 1	2	3	4	(μ L)
primer 1	10 pmol/ μ l	1.0				
primer 2	10 pmol/ μ l	1.0				
primer 3	10 pmol/ μ l	1.0				
primer 4	10 pmol/ μ l	1.0				
DNA		1.0				
Master Mix	2 X	5.0				
total		10				

Reaction Conditions

step	temp ($^{\circ}$ C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	60*	*Repeat for 30 cycles

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	495 bp	Internal control
primer 1 primer 3	349 bp	WT
primer 2 primer 4	195 bp	mutant

Comment Allele specific PCR (ASP)