

RBRC 10048

Strain name B6(D2)-Sufu<Rgsc2071>

Primer	primer_name	primer_seq	length	Reference
1		CTCACTCTAGCTTCCCCTAGC	21	PLoS One. 10(3):e0119455 (2015).
2	Rgsc2071_WT	GTTCCCTGTACATGCTAACATAGTCTA	26	RIKEN BRC
3	Rgsc2071_WT	GTTCCCTGTACATGCTAACATAGTCTG	26	RIKEN BRC

Reaction Components

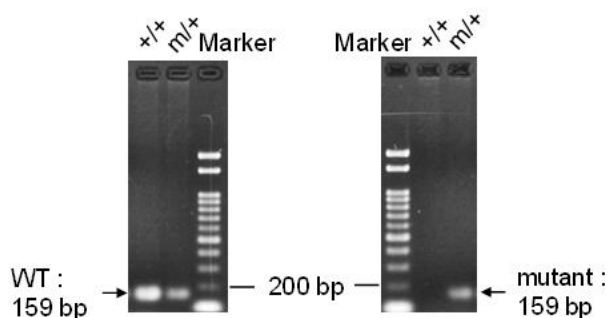
Enzyme	QIAGEN Multiplex PCR Kit (Cat. No. 206143)
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Reaction Conditions

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
H2O		2.0	2.0		
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		
Master Mix	2 X	5.0	5.0		
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	159 bp	WT
primer 1	primer 3	159 bp	mutant

Comment Allele specific PCR (ASP)