

RBRC 11132

Strain name B6.129P2-Myb<tm1.1(T572A)Husm>

Primer	primer_name	primer_seq	length	Reference
1	F2	CTTACGAGCTCTGTTTAAATGGCACCTGTATC	32	Sci. Rep., 10(1):14381. doi: 10.1038/s41598-020-71267-5 (2020).
2	R2	CTGAACAAGAATTTCCAGTGTCTCAC	26	Sci. Rep., 10(1):14381. doi: 10.1038/s41598-020-71267-5 (2020).
3	R3	TAGTGAACCTCTTCGAGGGACCT	23	Sci. Rep., 10(1):14381. doi: 10.1038/s41598-020-71267-5 (2020).

Reaction Components

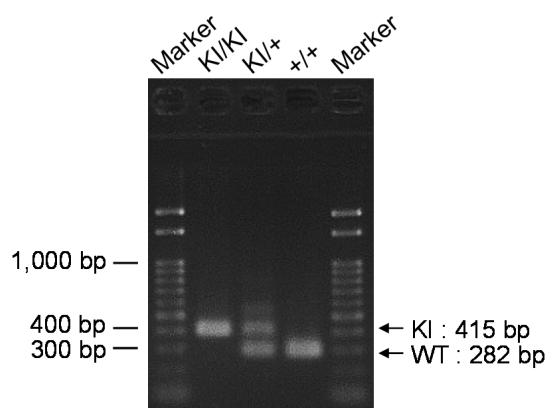
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			

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	282 bp	WT
primer 1	primer 3	415 bp	KI

+/+ (wild-type): 282 bp
KI/KI (homozygous): 415 bp
KI/+ (heterozygous): 282 bp and 415 bp

Comment [Standard PCR](#)

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.