

RBRC 10381

Strain name B6.129P2-Arf6<tm1Yaka>

Primer	primer_name	primer_seq	length	Reference
1	Arf6#3	AGGAGCTGCACCGCATTATC	20	Mol. Cell Biol., 26(16), 6149-56 (2006).
2	exon 2	GAACAGTAACTCCAGAGTTCAG	22	RIKEN BRC
3	oIMR0214	CCGGAGAACCTGCGTGCAATCC	22	JAX Genotyping Protocol

Reaction Components

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

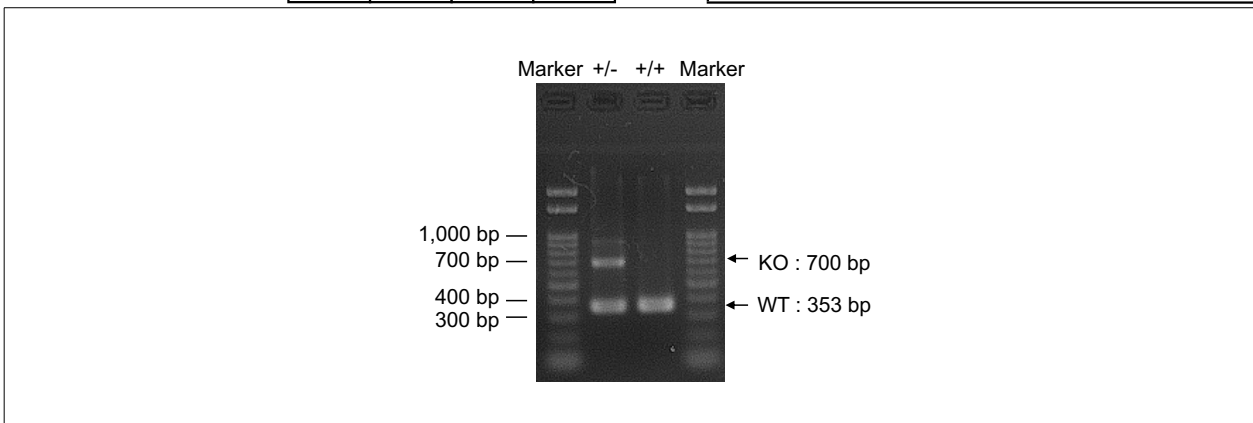
Reaction Conditions

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/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	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	353 bp	WT
primer 2	primer 3	700 bp	KO

Comment Standard PCR

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