

RBRC 11811

Strain name 129S6/SvEv-Mir124a-3<tm1.1Tfur>

Primer	primer_name	primer_seq	length	Reference
1		GCGAGCCGGTCTCTCAGGTC	20	RIKEN BRC
2	124a-3-tail-Fc	GTGATACTCATGACATCCCTTCGT	24	J. Biol. Chem., 298(9):102293.(2022).

Reaction Components

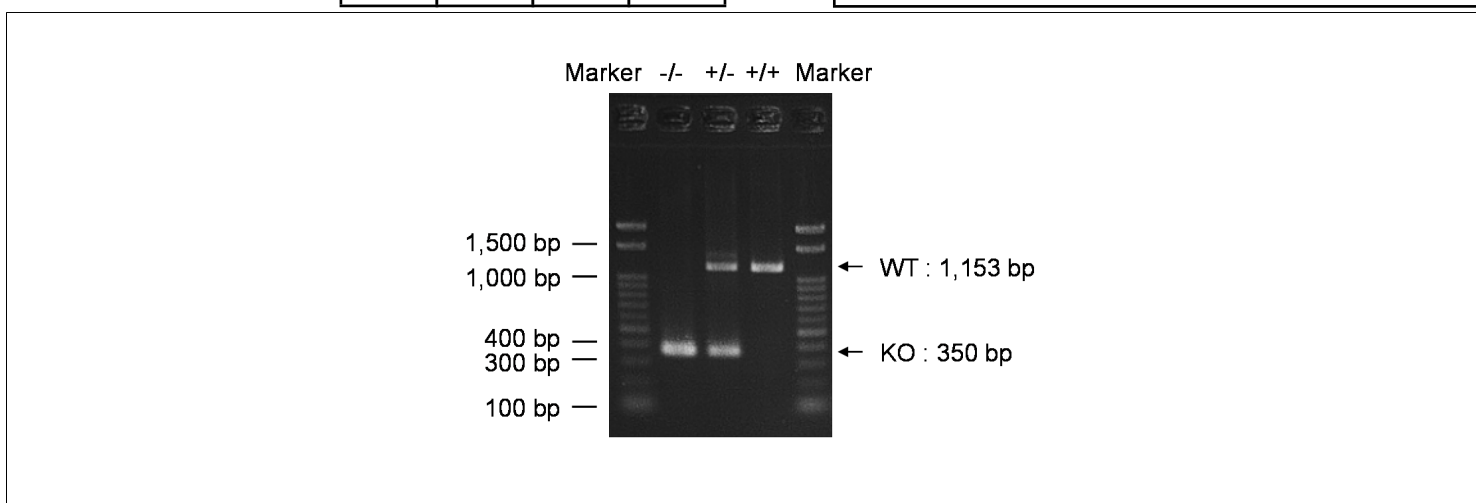
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		2.8				
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				
DNA		1.0				
Taq	1 U/μl	0.2				
total		20				

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	90*	*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	1,153 bp	WT
primer 1	primer 2	350 bp	KO

Comment [Standard PCR](#)

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