

RBRC 06422

Strain name BALB/c-Scn1a<+/->

Primer	primer_name	primer_seq	length	Reference
1	primer F	GCAAGAAGGTAAATAAATGAGCTTG	25	Depositor's primer
2	primer R	CTCAGAGACAGAACACCTCCTTAGT	25	Depositor's primer
3	primer C	GTTATTAGACGCGTTCTCACGAC	23	Depositor's primer

Reaction Components

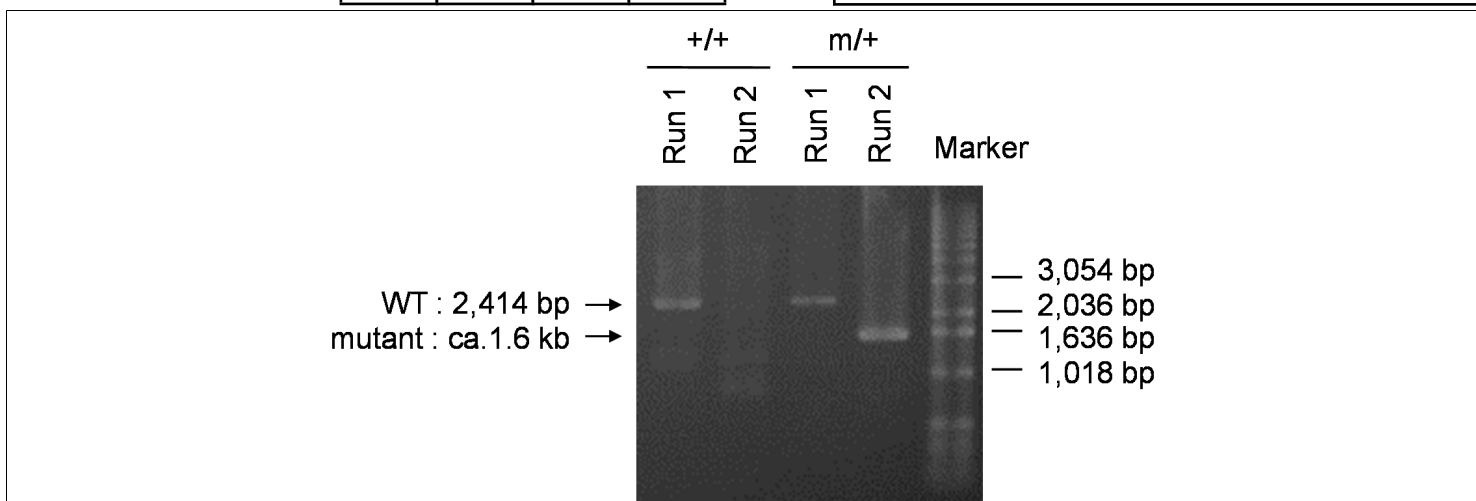
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	240*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		2.8	2.8			
PCR buffer	2 X	10.0	10.0			
dNTP	2.0 mM	4.0	4.0			
primer 1	10 pmol/μl	1.0	0			
primer 2	10 pmol/μl	1.0	1.0			
primer 3	10 pmol/μl	0	1.0			
DNA		1.0	1.0			
Taq	1 U/μl	0.2	0.2			
total		20	20			

Marker 1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel 1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	2,414 bp WT
primer 2	primer 3	ca. 1.6 kb mutant

Comment