

RBRC 02393

Strain name C.Cg-Aicda<tm1Hon>(N12)

Primer	primer_name	primer_seq	length	Reference
1	227	CAACGTGGCGTCCAAACAGGCACTTCCG	28	Depositor's primer
2	AID-R1	CCAGGCTTTGAAAGTTCTTTCACG	24	Depositor's primer
3	G3	GGGCCAGCTCATTCTCCACTC	22	Depositor's primer

Reaction Components

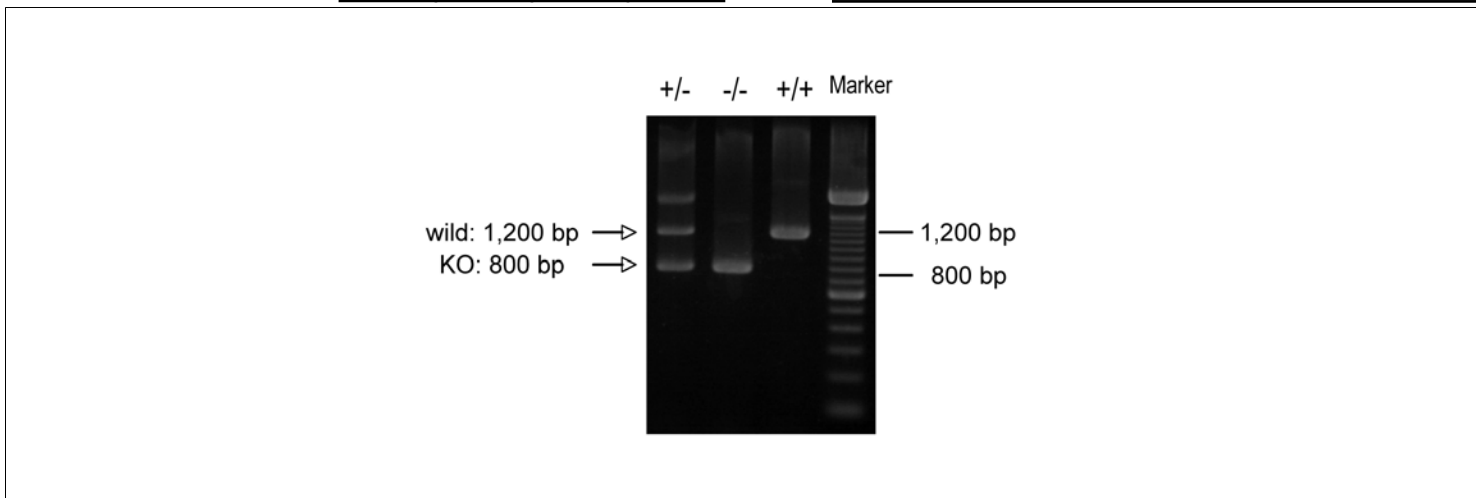
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	90*	*Repeat for 30 cycles
5	72	300	

Reagent	Conc	Reaction 1	2	3	4
H2O		3.8			
PCR buffer	10 X	10.0			
dNTP	2.5 mM	2.0			
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		0.2			
total		20			

Marker 100 bp ladder (Invitrogen, Cat. 15628-050)
Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	1,200 bp WT
primer 2	primer 3	800 bp KO

Comment Standard PCR