



PCR protocol

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RBRC 01952

Strain name B6;129S2-Lats1<tm1Noj>

Primer	primer_name	primer_seq	length	Reference
1	KOcon3	AAACTGGCACCAGGTTAATGGG	22	Depositor's primer
2	check2	GGTACAGACAGATGAGGCCTAAGAC	25	Depositor's primer
3	KSconB primer	AGGTCGACGGTATCGATAAGC	21	Depositor's primer

Reaction Components

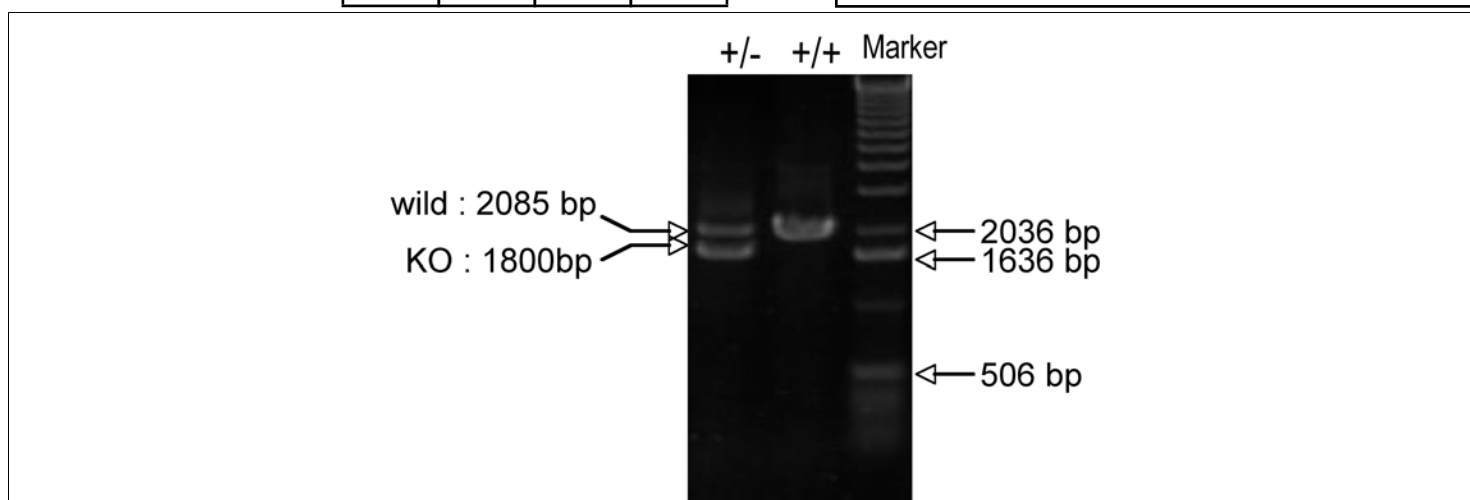
Enzyme	TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	

Reagent	Conc	Reaction 1	2	3	4
H2O		3.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
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		0.2			
total		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	2085 bp
primer 1	primer 3	1800 bp

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