

BRC\_No 01558

Strain name OR5/85

Primer			
primer_name	primer_seq	length	
1	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27
2	OR5 genome-I1F4	CTATCTGTGCCACCTCCTAACTCTATCTAT	30
3	OR5 genome-I1R4	AAGAAAAGAAAAATTAACAAAGACC	25
4	OR85 genome-F3	CGCATCTTCTGGCCTCTACAACCAATAGTG	30
5	OR85 genome-R3	AAGTTTTATAGGCATTTGTCAGGTTTTCTA	30

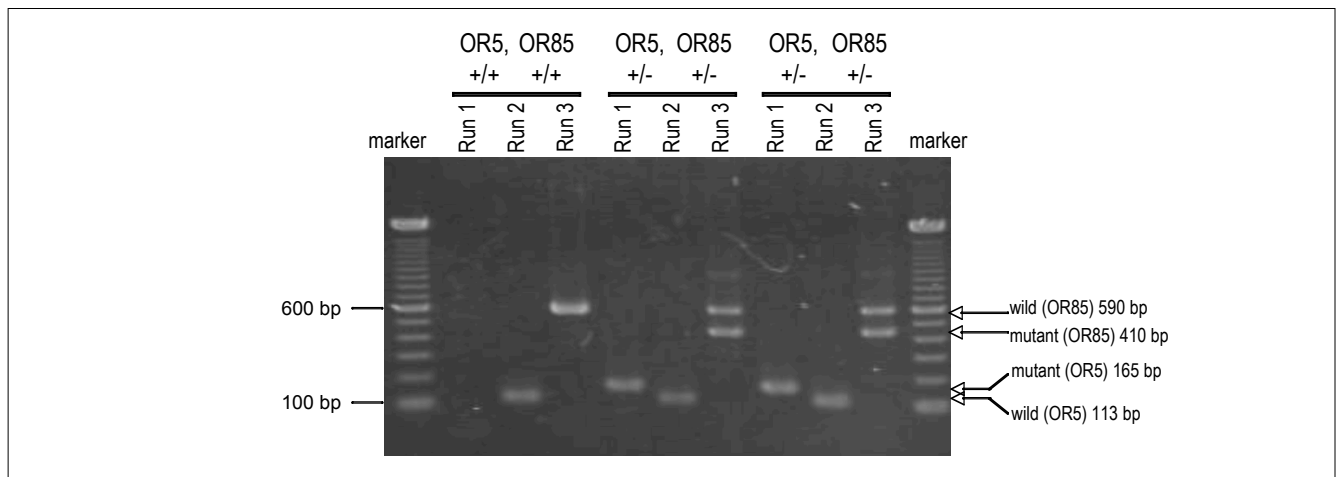
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Conc	Run 1	Run 2	Run 3
H2O	17.3	17.3	16.3
PCR buffer	2.5	2.5	2.5
dNTP	2.0	2.0	2.0
primer 1	1.0	0	1.0
primer 2	0	1.0	0
primer 3	1.0	1.0	0
primer 4	0	0	1.0
primer 5	0	0	1.0
DNA	1.0	1.0	1.0
Taq	0.2	0.2	0.2
total	25	25	25



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1 primer 3	165 bp	mutant (OR5) ← Run1
primer 2 primer 3	113 bp	WT (OR5) ← Run2
primer 1 primer 5	410 bp	mutant (OR85) ← Run3
primer 4 primer 5	590 bp	WT (OR85) ← Run3

Comment