

RBRC 11587

Strain name C57BL/6J-Gfral<em1Oyad>

Primer	primer_name	primer_seq	length	Reference
1	Gdf15 Fw1	CTCCACTTTGGTCCTGTCCATTC	23	Depositor's primer
2	Gdf15 Rv1	AGACTTTTCCACACAACAGGC	21	Depositor's primer

Reaction Components

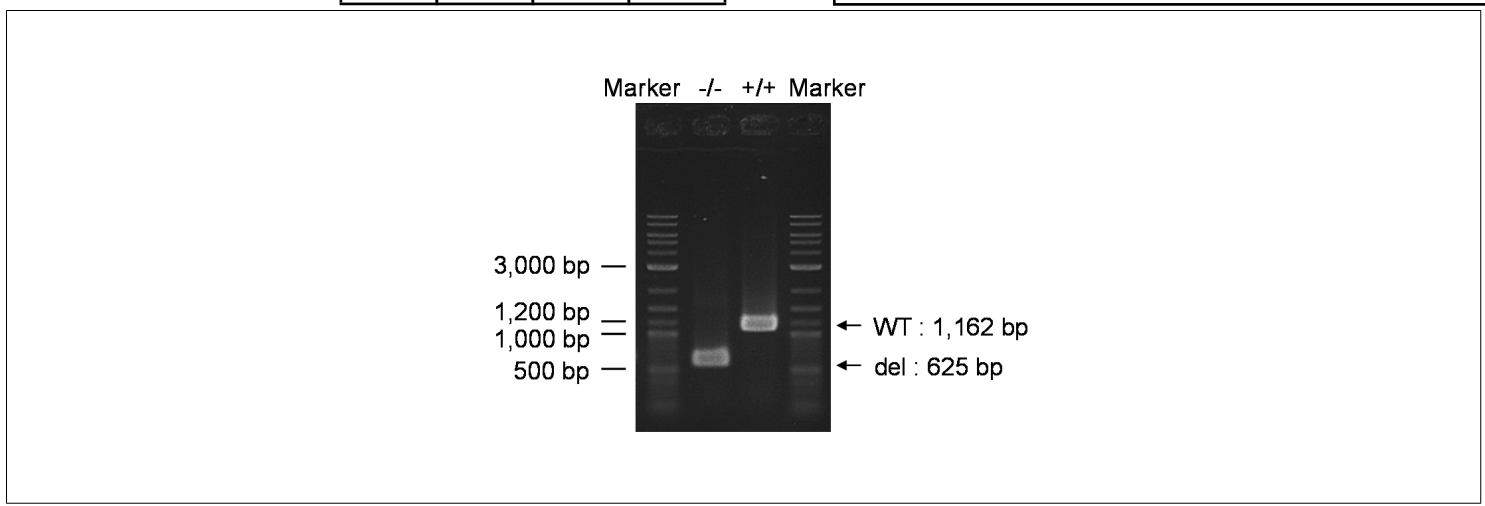
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	90*	*Repeat for 30 cycles

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

Marker 2-Log DNA Ladder (NEB, Cat. N3200)
 Gel 1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	1,162 bp	WT
primer 1	primer 2	625 bp	del (em1)

+/+ (wild-type): 1,162 bp
 -/- (homozygous): 625 bp

Comment [Standard PCR](#)

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