

RBRC 06214

Strain name B6.Cg-Gipr<tm1.2Hko>

Primer	primer_name	primer_seq	length	Reference
1	GIPR-U22410	CCCTCACAAGTCCTCCAGGTG	21	Depositor's primer
2	GIPR-L23129	AAGGAACCGTTACAGGCCAGG	21	Depositor's primer

Reaction Components

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

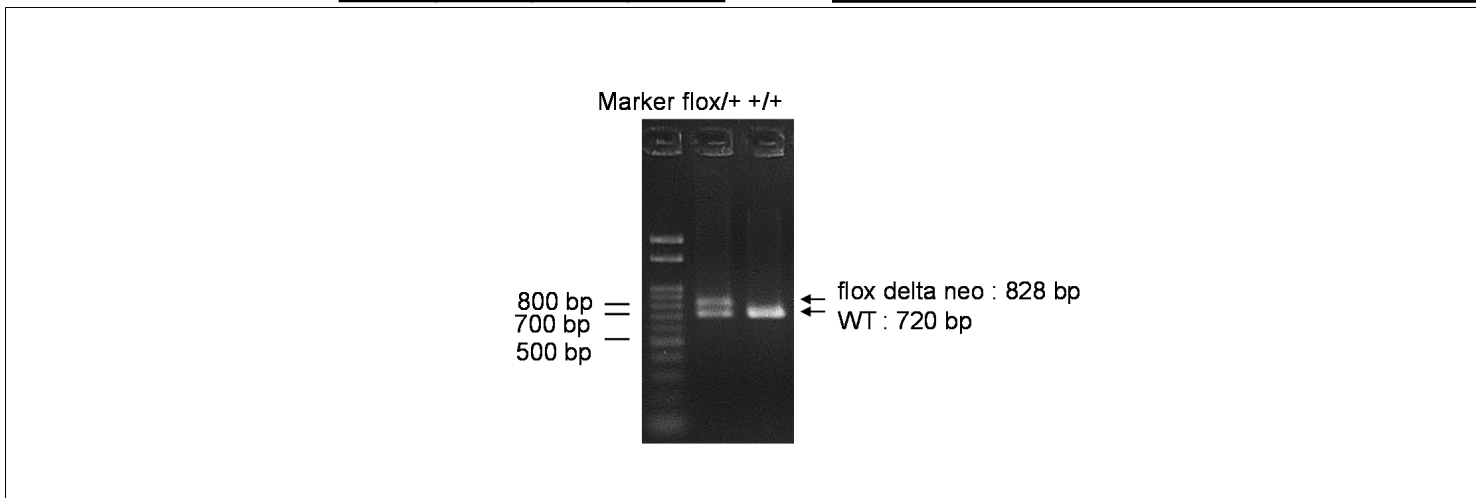
Reagent	Conc	Reaction 1	2	3	4	(μ L)
H ₂ O		2.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ μ l	1.0				
primer 2	10 pmol/ μ l	1.0				
DNA		1.0				
Taq	1 U/ μ l	0.2				
total		20				

Reaction Conditions

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

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	720 bp	WT
primer 1	primer 2	828 bp	flox delta neo
primer 1	primer 2	291 bp	null (After cre mediated excision)

Comment Standard PCR

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