

RBRC 04855

Strain name B6;129S4-Vamp7<tm2Aha>

Primer	primer_name	primer_seq	length	Reference
1		GGATTTTGAGCGTTCTCGAGCG	22	RIKEN BRC
2		GACTTACTAGGAAGGGGGATAGGGG	25	Depositor's primer
3	5Neo	TGGATTGCACGCAGGTTCTC	20	

Reaction Components

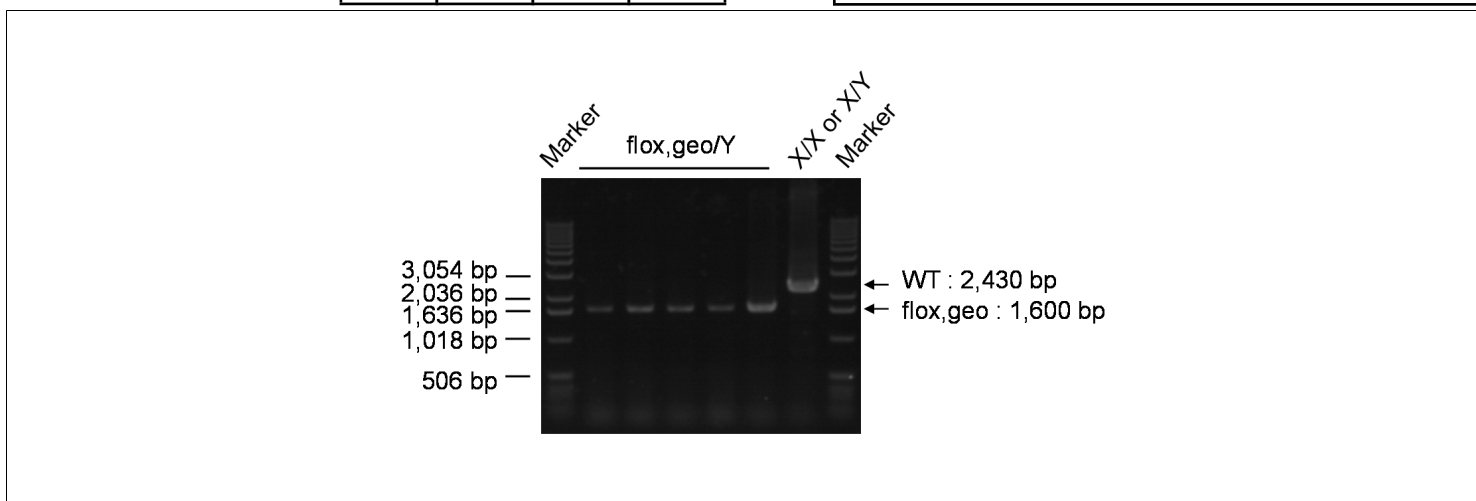
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	(μ L)
H2O		1.8				
PCR buffer	2 X GC I	10.0				
dNTP	2.5 mM	2.0				
primer 1	10 pmol/ μ l	2.0				
primer 2	10 pmol/ μ l	2.0				
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	2,430 bp	WT
primer 2	primer 3	1,600 bp	flox,geo

Comment Standard PCR