

RBRC 05572

Strain name B6;129-Rnf2^{tm2Hko}

Primer	primer_name	primer_seq	length	Reference
1	Ring1B/2630	GCCTTTCTGAGCCTTCACAG	20	Depositor's primer
2	Ring1B/4681	ATGGTCAAGCAAACATGAAGG	21	Depositor's primer
3	TA-Neo3	ACCCGTGATATTGCTGAAGAG	21	Depositor's primer

Reaction Components

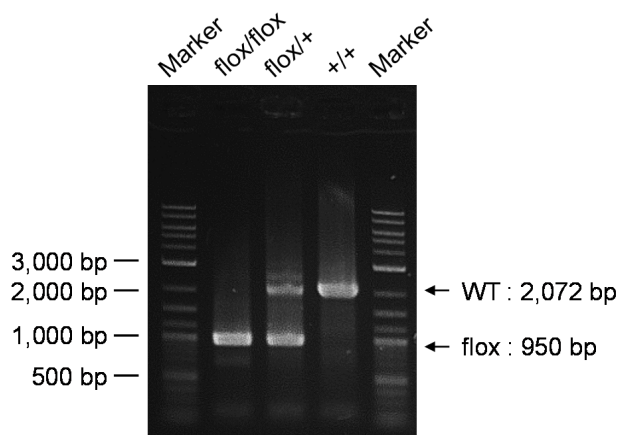
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	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	2,072 bp	WT
primer 3	primer 2	950 bp	flox

+/+ (wild-type): 2,072 bp and 950 bp
flox/+ (heterozygous): 2,072 bp and 950 bp
flox/flox (homozygous): 950 bp

Comment

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