

RBRC 09913

Strain name C57BL/6-Drd1<tm1.1Mmsh>

Primer	primer_name	primer_seq	length	Reference
1	fD1-5'-loxP-F	CCAGCTGTGCCTTCAGTGAACC	22	Depositor's primer
2	fD1-5'-loxP-R	TCCTTGGGAGAGGAACCTCCAG	22	Depositor's primer
3	intron2	GTAAGTCACTGGCTTATGATTCCTG	25	RIKEN BRC

Reaction Components

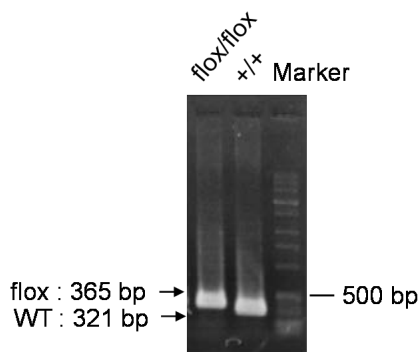
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
--------	-----------------------------------

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*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	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	321 bp WT
primer 1	primer 2	365 bp flox
primer 1	primer 3	1.7 kb null (After cre mediated excision)

Comment [Standard PCR](#)

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