PCR protocol

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RBRC 09870 **Strain name** B6;B6129-Cbx7<tm1.1Hko>

Primer	primer_name	primer_seq	length		Reference
1	Cbx7-U22627	AGGTTTGATACACAGCACAGC	21		Depositor's primer
2	Cbx7-L22991	GCTGTGCCTGTCAGTCATCAG	21		Depositor's primer

Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

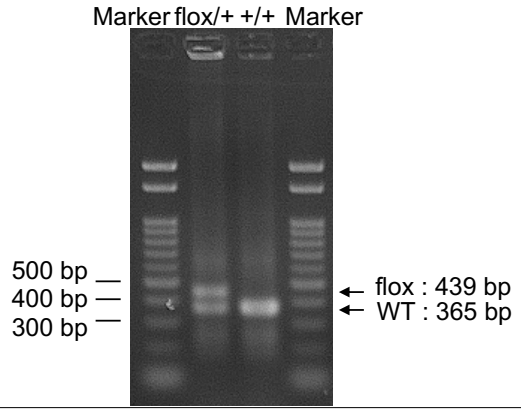
Reagent	Conc	Reaction 1	2	3	4	
H2O		2.0				(μL)
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
DNA		1.0				
Master Mix		5.0				
	total	10				

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30	*
3	60	90	*
4	72	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	365 bp	WT
primer 1	primer 2	439 bp	flox

flox/+: 365 bp, 439 bp
+/+: 365 bp

Comment Separated PCR