PCR protocol

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RBRC 02798 **Strain name** B6;TT2-Pcdha-del(2-11)

Primer	primer_name	primer_seq	length		Reference
1	Del211R1	CGTAAACTCCTCTTCAGACC	20		J. Biol. Chem., 284, 32002-32014 (2009).
2	G16-F1	GGCTATCCTGTGCTACAGAAC	21		J. Biol. Chem., 284, 32002-32014 (2009).
3	G16-R1	CCAATTAATATTTGAGATTCATCCCC	26		J. Biol. Chem., 284, 32002-32014 (2009).

Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

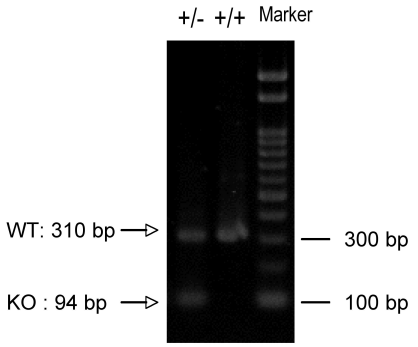
Reagent	Conc	Reaction 1	2	3	4	
H2O		16.3				(μL)
PCR buffer	10 X	2.5				
dNTP	2.5 mM	2.0				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
Taq		0.2				
	total	25				

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	57	30	*
4	72	60	* *Repeat for 30 cycles
5	72	300	

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	94 bp	KO
primer 2	primer 3	310 bp	WT

Comment Standard PCR