

RBRC 09813

Strain name B6;TT2-Pcdh<dla1-gA12>/B6-Tg(Taf7)

Primer	primer_name	primer_seq	length	Reference
1	a1-232F	TGCAGACCATTGCTGGATGT	20	Depositor' s primer
2	Pcdh α 1R1	CAATGTCTGCGTCCACGGCG	20	Depositor' s primer
3	gA12C3 intron 4846R	GCACGTTTCAGGGCGTACATA	20	Depositor' s primer
4	BAC probe F	GCGCGCCAAAGCTTGCATGC	20	Front. Mol. Neurosci., 9:155 (2016).
5	BAC probe R	CTCTCCCTATAGTGAGTC	18	Front. Mol. Neurosci., 9:155 (2016).

Reaction Components

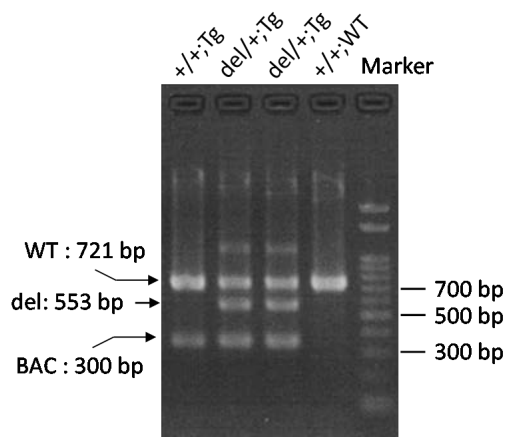
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	55	30*	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		2.3			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	0.5			
primer 2	10 pmol/ μ l	0.5			
primer 3	10 pmol/ μ l	0.5			
primer 4	10 pmol/ μ l	0.5			
primer 5	10 pmol/ μ l	0.5			
DNA		1.0			
Taq	1 U/ μ l	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	721 bp WT
primer 1	primer 3	553 bp del
primer 4	primer 5	300 bp BAC

Comment [Standard PCR](#)

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