

PCR protocol

RBRC 02317

Strain name B6.129-Pde10a2<tm1(tTA)Yok>

Primer	primer_name	primer_seq	length	
1	primer1	CTTAAATGTGAAAGTGGGTCCGCG	24	J. Neurochem., 105(2):546-556 (2008).
2	PDE10A2	CACCGTTTGGCCGCTGCCCT	20	J. Neurochem., 105(2):546-556 (2008).
3	primer4	CTGAGGTGCCACCAGCTTCTCTG	22	J. Neurochem., 105(2):546-556 (2008).

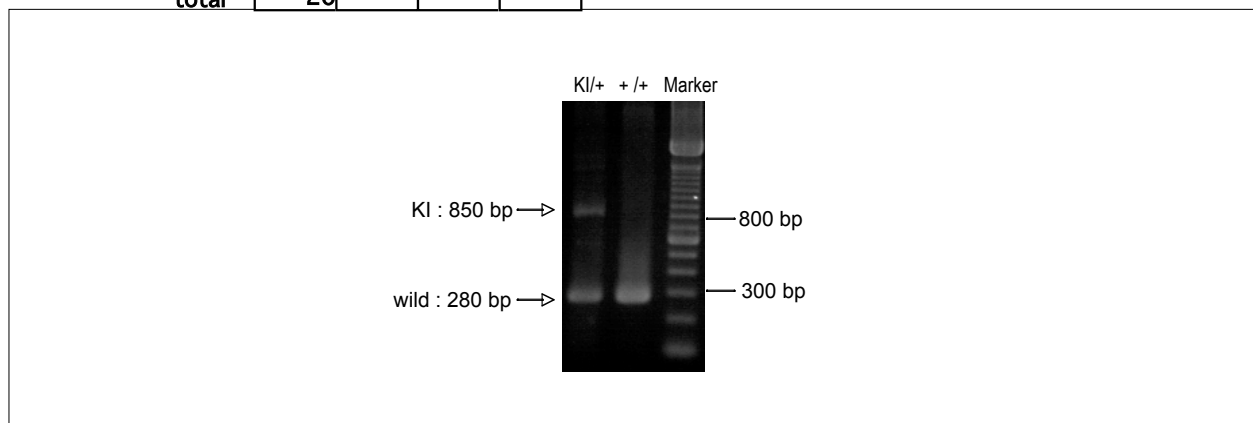
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



Marker	PCR products			
	primer_set	product_size	product	
100 bp ladder (Invitrogen, Cat. 15628-050)	primer 1	primer 3	850 bp	KI
Gel	primer 2	primer 3	280 bp	WT
2% agarose in 1 X TAE (100 V, 30 min)				

Comment