

RBRC 04364

Strain name B6.Cg-Aqp4^{tm1.1(GFP)Mysi}/5Rbrc

Primer	primer_name	primer_seq	length	Reference
1	E1-WT-S	CTTTCAAAGGAGTCTGGACTCAGGC	25	Mol. Cell. Neurosci., 56, 65–75 (2013).
2	E1-C-AS	CCAACCACACTGGGAGGTGTGACC	24	Mol. Cell. Neurosci., 56, 65–75 (2013).
3	819	GAGAAGCGCGATCACATGGTCCT	23	Depositor's primer

Reaction Components

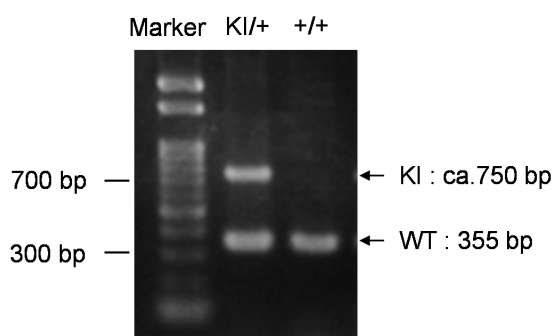
Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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	5 U/μl	0.1			
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	355 bp	WT
primer 3	ca. 750 bp	KI

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