

RBRC 00816

Strain name B6;129P2(B6)-Prnp<sup>tm1Ito</sup> Tg(CAG-PRNP)<sup>1Ondr</sup>/Rbrc

Primer	primer_name	primer_seq	length	Reference
1	MT3	CTCATCTTCCTGATCGTGGG	20	Depositor's primer
2		CAGAGTCAAGATCTCCTAGT	20	Depositor's primer
3	Neo5	TCCTGCCGAGAAAGTATCCA	20	
4	5CAG	CCTACAGCTCCTGGGCAACGTGC	23	RIKEN BRC
5		TCGCTCCATGATCTTGATGTCAGT	24	Depositor's primer

### Reaction Components

Enzyme

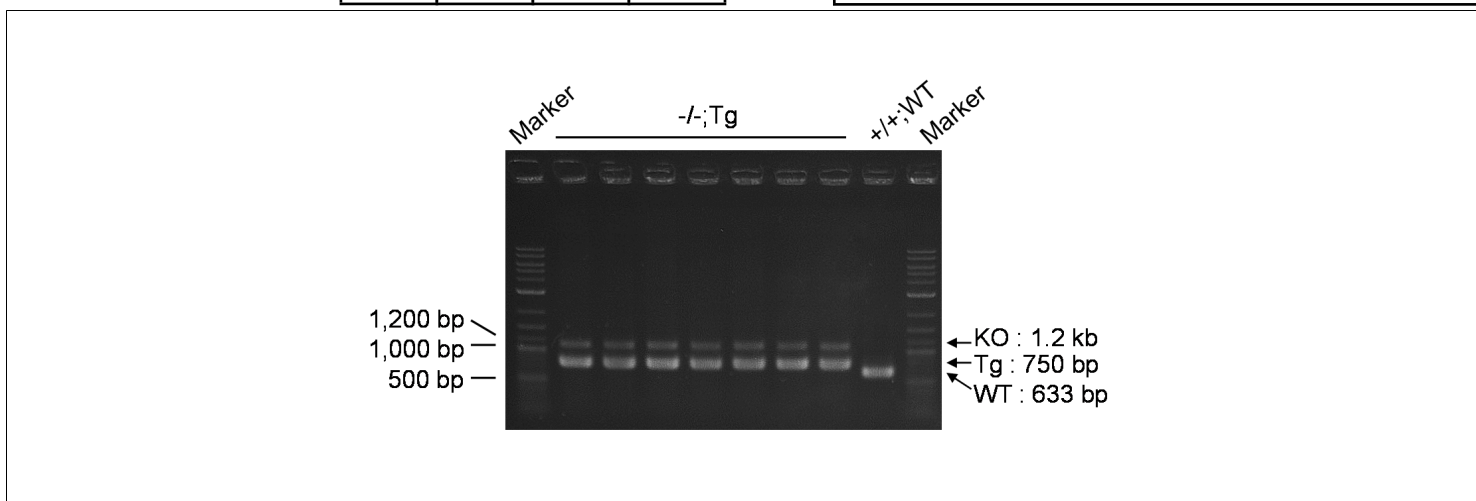
### Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	63	90*	
4	72	90*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	(μL)
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
primer 4	10 pmol/μl	0.5				
primer 5	10 pmol/μl	0.5				
Master Mix	2 X	5.0				
DNA		1.0				
<b>total</b>		10				

Marker

Gel



primer_set	product_size	product (allele type)	
primer 1	primer 2	633 bp	WT
primer 2	primer 3	1.2 kb	KO
primer 4	primer 5	750 bp	Tg
			+/+ ; non-Tg (wild type): 633 bp
			+/- (heterozygous): 633 bp and 1.2 kb
			-/- (homozygous): 1.2 kb
			Tg : 750 bp

Comment [Separated PCR](#)