

RBRC 10370

Strain name FVB.ICGN-Tns2<nph>

Primer	primer_name	primer_seq	length	Reference
1	Mut-F	GCAGCGACTCTGGCCACG	18	J. Vet. Med. Sci.,72, 1313-1318 (2010).
2	Mut-R	GAGGGCTGCTCTTCATCATC	20	J. Vet. Med. Sci.,72, 1313-1318 (2010).
3	WT-F	GCACGCTGAGTCAGCACTGT	20	J. Vet. Med. Sci.,72, 1313-1318 (2010).
4	WT-R	TTCTGTGGTTAGCGTGGATGA	21	J. Vet. Med. Sci.,72, 1313-1318 (2010).

### Reaction Components

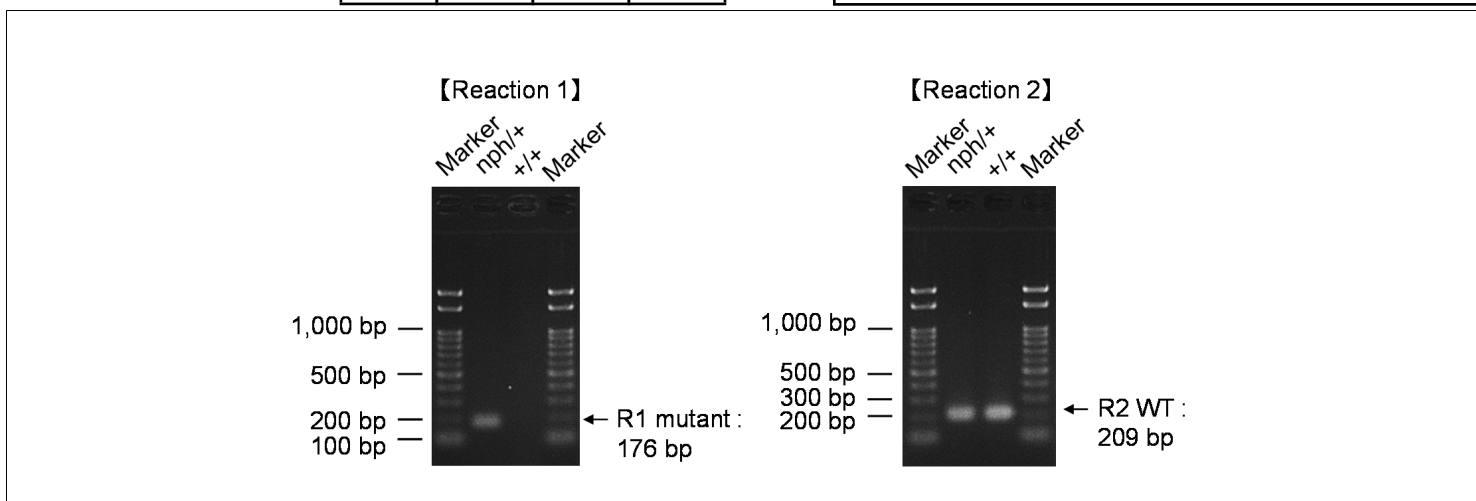
Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	( $\mu$ L)
H2O		2.0	2.0			
primer 1	10 pmol/ $\mu$ l	1.0	0			
primer 2	10 pmol/ $\mu$ l	1.0	0			
primer 3	10 pmol/ $\mu$ l	0	1.0			
primer 4	10 pmol/ $\mu$ l	0	1.0			
DNA		1.0	1.0			
Master Mix	2 X	5.0	5.0			
<b>total</b>		10	10			

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	176 bp	mutant
primer 3	primer 4	209 bp	WT

Comment Separated PCR