

RBRC 06542

Strain name B6.Cg-Lrrc6<tm1.2Hmd>

Primer	primer_name	primer_seq	length	Reference
1	Lrrc6 null P1	TGCCAGTGGGTGTAAGTAAGG	21	Depositor's primer
2	Lrrc6 wt-neo R	GACAGCACTGGCAATATCTCTG	22	Depositor's primer
3	Lrrc6 P2	CACATCGCTTTGAGGACAGTT	21	Depositor's primer

### Reaction Components

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

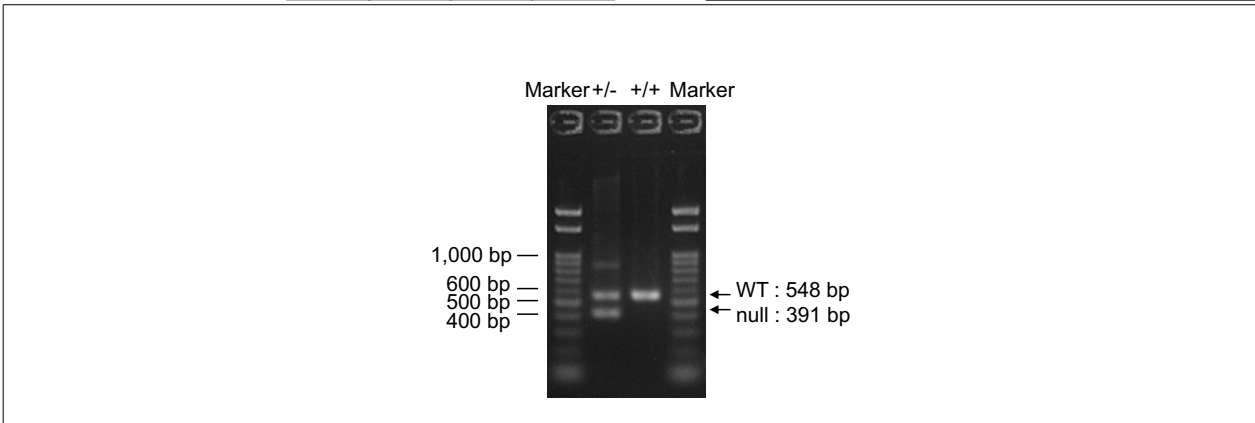
### Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	(µL)
H2O		1.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
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	1 U/µl	0.2				
<b>total</b>		<b>20</b>				

**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	548 bp	WT	+/- : 548 bp and 391 bp
primer 1 primer 3	391 bp	null	

**Comment** [Standard PCR](#)

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