

## RMRC Genotyping Protocol-PCR

No.	RMRC13343	Strain Name	FVB/N-Tg(PGK-HSPD1)Wfs/Narl
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### A. Primer

	Primer name	Sequence
1	(F) HSP60	5' GACCGAATCACCGACCTCCT 3'
2	(R) HSP60	5' GGGACTTCCCCAACTCTGTT 3'

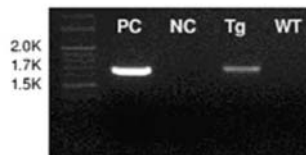
### B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
				μl				
H <sub>2</sub> O	--		depend	μl	1	94	300	1
PCR buffer	10x		2.5	μl	2	94	30	35
dNTP	2.5	mM	4	μl	3	56	30	35
Primer 1		μM(ρmol/μl)	1	μl	4	72	105	35
Primer 2		μM(ρmol/μl)	1	μl	5	72	420	1
DNA	--		depend	μl	6	4	∞	1
Taq	526.2	U/μl	1.5	μl	7			
DMSO	>=99.9	%	1	μl	8			
Total			20	μl	9			

### C. PCR Product

	Primer set	Product size	Target region
1		1722 bp	
2		bp	

### D. Gel Photo



PC: positive control

NC: negative control

Tg: transgenic