

RMRC Genotyping Protocol-PCR

No.	RMRC13350	Strain Name	B6.129S6- <i>Hspb7^{tm1(FLAG)^{Yty}}/Narl</i>
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A. Primer

	Primer name	Sequence
1	Hsp5' StuI-f	GAAGGCCTCGATATAGGTGGGCTACCTG
2	Y341-HSPPDR	CGGAATTCTCATGTAAACTCGTAGGCATCCC

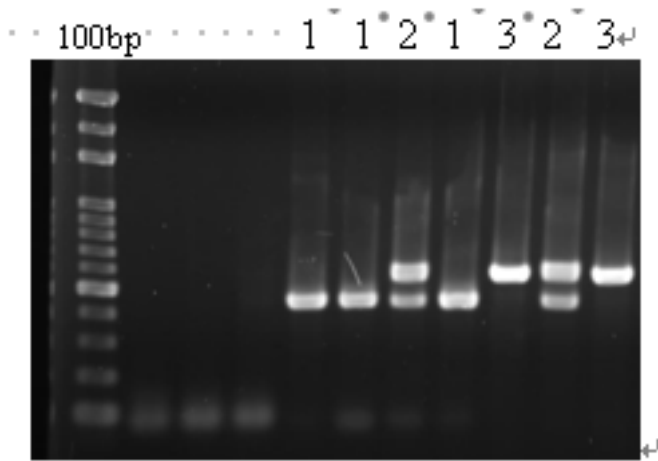
B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		9.1	μl	1	90	pause	
MyTaq HS mix [BIOLINE]	2x		10	μl	2	94	120	
dNTP		mM		μl	3	94	30	
Primer 1	10	μM(ρmol/μl)	0.2	μl	4	62	30	
Primer 2	10	μM(ρmol/μl)	0.2	μl	5	72	30	30
DNA	--		0.5	μl	6	72	600	
Taq		U/μl		μl	7	4	pause	
Mg ²⁺		mM		μl	8			
Total			20	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	Hsp5' StuI-f	Y341-HSPPDR	405 bp	intron1
2	Hsp5' StuI-f	Y341-HSPPDR	510 bp	First loxp in intron1

D. Gel Photo



1. WT
2. flox/+
3. flox/flox