

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	30541
MMRRC Strain Name	B6.129S6- <i>Pparg</i> ^{tm1Mae} /Mmnc
Gene Name(s)	Peroxisome proliferator activated receptor gamma (<i>Pparg</i>)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	11/25/13

MMRRC# 30541 PCR Reaction

PCRB 1.5 (1X)

10mM Tris 8.3

50mM KCl

1.5mM MgCl₂

Thermal Cycler

Denaturing: 94°C for 45 sec

Annealing Temp.: 56°C for 45 sec

Extension: 72°C for 1 min

Cycles: 36

Taq: **Apex and PCRB Buffer**

	<u>1X</u>
DNA	1.0
10X Buffer	2.5
10mM dNTPs	1.0
10 uM Primer 1 & 2	1.0
Taq	1.0
ddH ₂ O	<u>18.5</u>
	25

Bands: WT: 250bp

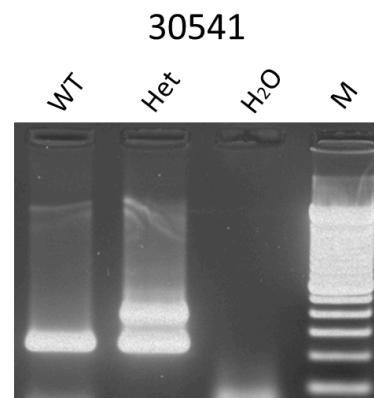
Targeted: 400 bp

Primer sequences 5' to 3': Primers are 10uM with respect to each primer (20uM total).

#1) CAC GAA TCA CCA GCA ACA TG

#2) CCC ATT CTT GTC ATG ATT CCC

Run on 2% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)