

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	15230
MMRRC Strain Name	B6;129S4-F2r12 ^{tm1Cgh} /Mmnc
Gene Name(s)	coagulation factor II receptor-like 2 (F2r12)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	10/14/13

MMRRC #15230 PCR Reaction

	1X
DNA	1.0
5X Buffer	5.0
10mM dNTPs	1.0
50uM Primer Mix	1.5
Taq	1.0
ddH ₂ O	13.5
25mM MgCl ₂	2.0

Thermal Cycler:

94°C for 60 sec
 60°C for 60 sec
 72°C for 90 sec
 35x

Taq: **Apex and Chromataq 5X Buffer**

Bands: MUTANT: 500bp
 WT: 300bp

Primer Concentrations:

20uM KO Forward + 20uM Common Reverse + 10uM WT Forward = 50uM Primer Mix

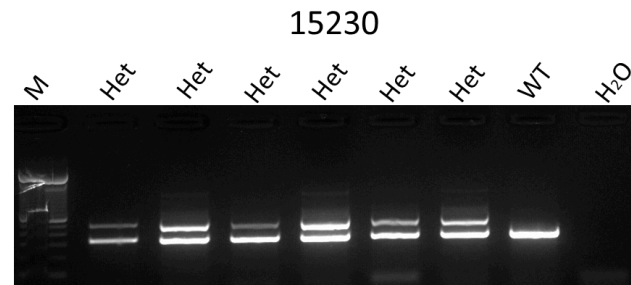
Primer sequences 5' to 3':

Par3 WT forward: 5'-GGCCTGGCTGGTTCTCTATT-3'

Par3 KO forward: 5'-GGGGAACCTCCTGACTAGGG-3'

Par3 common reverse: 5'-GAGAACCACGGGTAGTGACAA-3'

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)