

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	230
MMRRC Strain Name	STOCK Tg(Drd2-EGFP)S118Gsat/Mmnc
Gene Name(s)	Dopamine receptor 2 (Drd2)
Breeding Protocol(s)	Outcross to Swiss Webster (Taconic)
Protocol Date	10/4/13

MMRRC# 230 PCR Reaction

	<u>1X</u>
DNA	2.0
5X Buffer	5.0
10mM dNTPs	1.0
20 uM Primer F/R	1.0
Taq	0.5
ddH ₂ O	14.0
25mM MgCl ₂	1.5

Thermal Cycler:

94°C for 5 min
 94°C for 45 sec
 62°C for 45 sec
 72°C for 60 sec
 Steps 2-4, 35x
 72°C for 10 min

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

Bands: Tg+: 300bp
 WT: no band

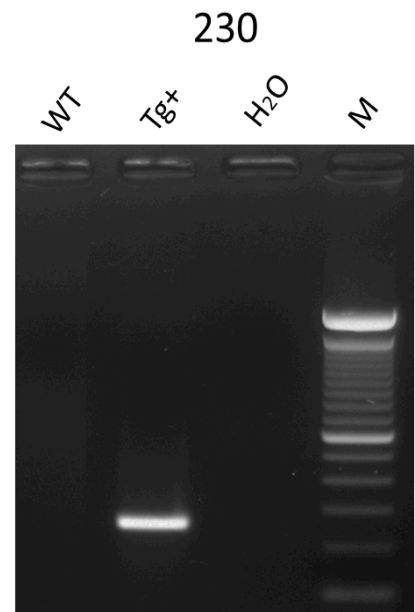
Primers are 10uM with respect to each primer (20uM total).

Primer sequences 5' to 3':

Drd2F(230): 5'- gaggaagcatgccttgaaaa

Drd2R(230): 5'- tggcgcagatgaacttcagg

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)