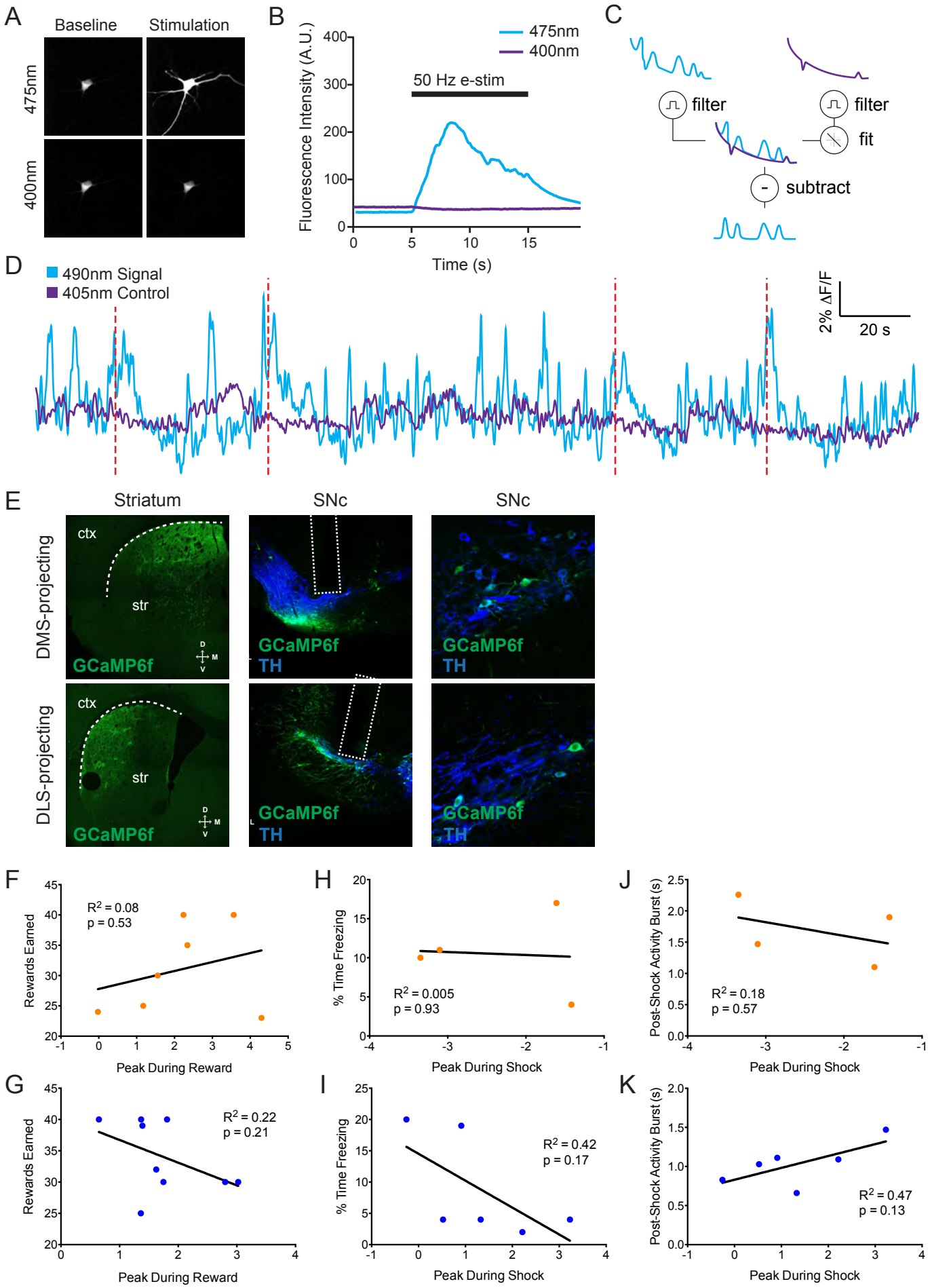
Figure S4.


A
Baseline
Stimulation
475nm
400nm
B
475nm
400nm
50 Hz e-stim
Fluorescence Intensity (A.U.)
Time (s)
C
filter
filter
fit
subtract
D
490nm Signal
405nm Control
2% ΔF/F
20 s
E
Striatum
SNc
SNc
DMS-projecting
DLS-projecting
ctx
str
GCaMP6f
TH
F
Rewards Earned
Peak During Reward
R² = 0.08
p = 0.53
H
% Time Freezing
Peak During Shock
R² = 0.005
p = 0.93
J
Post-Shock Activity Burst (s)
Peak During Shock
R² = 0.18
p = 0.57
G
Rewards Earned
Peak During Reward
R² = 0.22
p = 0.21
I
% Time Freezing
Peak During Shock
R² = 0.42
p = 0.17
K
Post-Shock Activity Burst (s)
Peak During Shock
R² = 0.47
p = 0.13