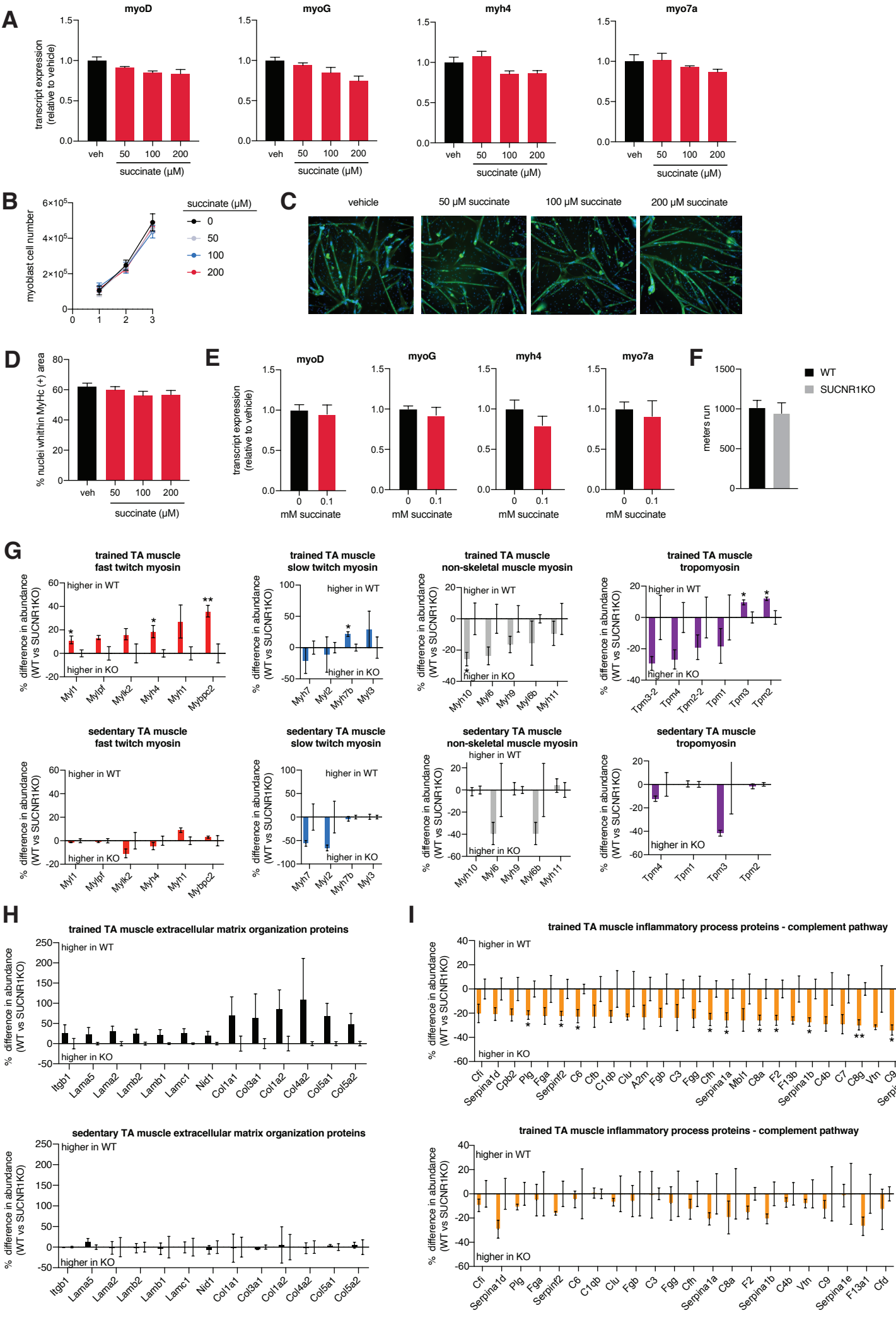
A
myoD
myoG
myh4
myo7a
transcript expression (relative to vehicle)
veh
50
100
200
succinate (μM)
B
myoblast cell number
succinate (μM)
0
50
100
200
C
vehicle
50 μM succinate
100 μM succinate
200 μM succinate
D
% nuclei whithin MyHc (+) area
E
mM succinate
F
meters run
WT
SUCNR1KO
G
trained TA muscle fast twitch myosin
trained TA muscle slow twitch myosin
trained TA muscle non-skeletal muscle myosin
trained TA muscle tropomyosin
sedentary TA muscle fast twitch myosin
sedentary TA muscle slow twitch myosin
sedentary TA muscle non-skeletal muscle myosin
sedentary TA muscle tropomyosin
% difference in abundance (WT vs SUCNR1KO)
higher in WT
higher in KO
H
trained TA muscle extracellular matrix organization proteins
sedentary TA muscle extracellular matrix organization proteins
I
trained TA muscle inflammatory process proteins - complement pathway