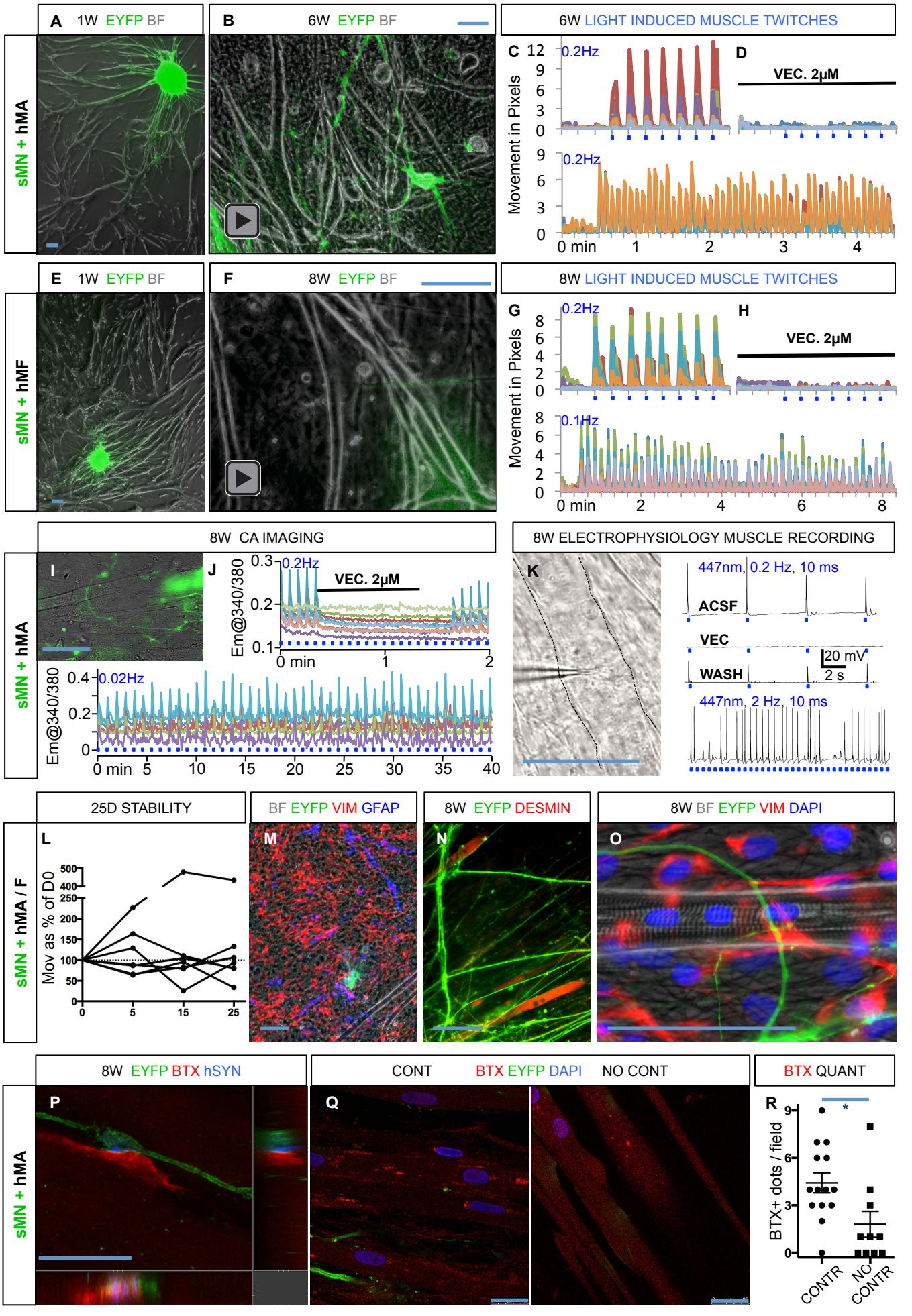
A 1W EYFP BF
B 6W EYFP BF
6W LIGHT INDUCED MUSCLE TWITCHES
sMN + hMA
C
D
0.2Hz
VEC. 2µM
Movement in Pixels
0 min
E 1W EYFP BF
F 8W EYFP BF
8W LIGHT INDUCED MUSCLE TWITCHES
sMN + hMF
G
H
0.1Hz
8W CA IMAGING
8W ELECTROPHYSIOLOGY MUSCLE RECORDING
I
J
Em@340/380
0.02Hz
K
447nm, 0.2 Hz, 10 ms
ACSF
VEC
WASH
20 mV
2 s
447nm, 2 Hz, 10 ms
25D STABILITY
BF EYFP VIM GFAP
8W EYFP DESMIN
8W BF EYFP VIM DAPI
sMN + hMA / F
L
Mov as % of D0
M
N
O
8W EYFP BTX hSYN
CONT
BTX EYFP DAPI
NO CONT
BTX QUANT
P
Q
R
BTX+ dots / field
CONTR
NO CONTR
*