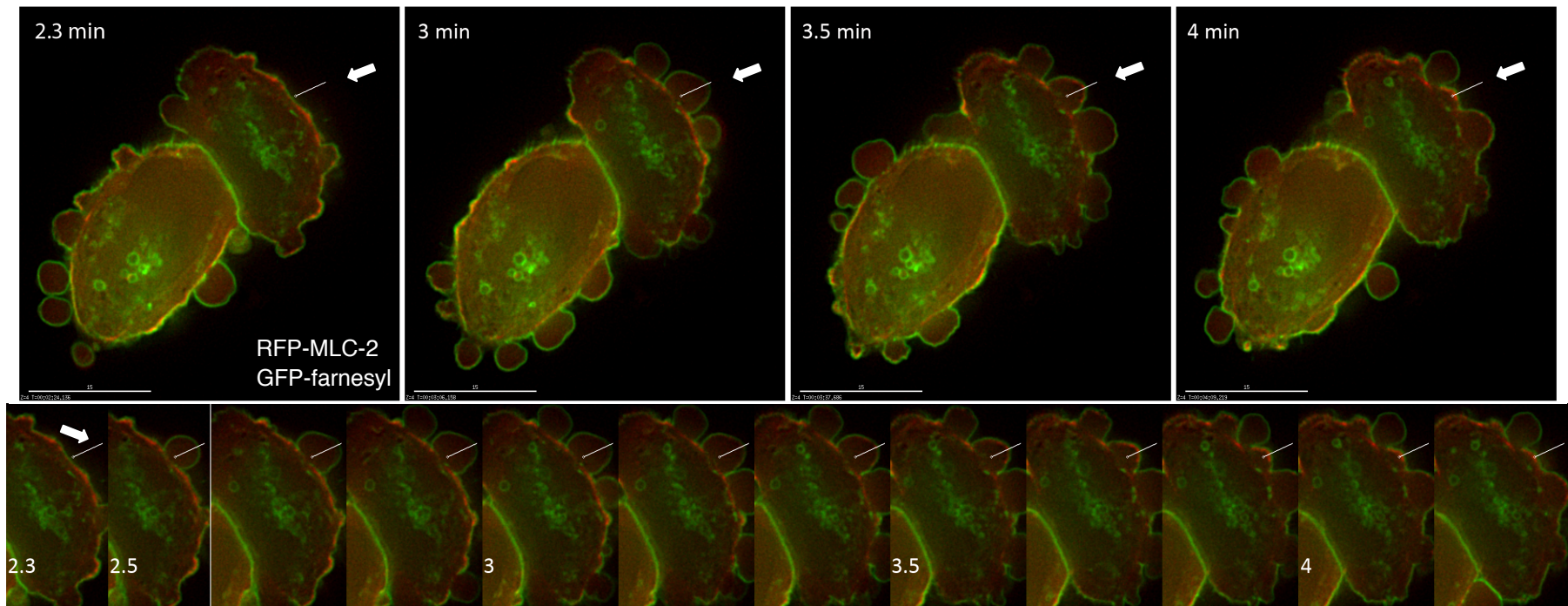
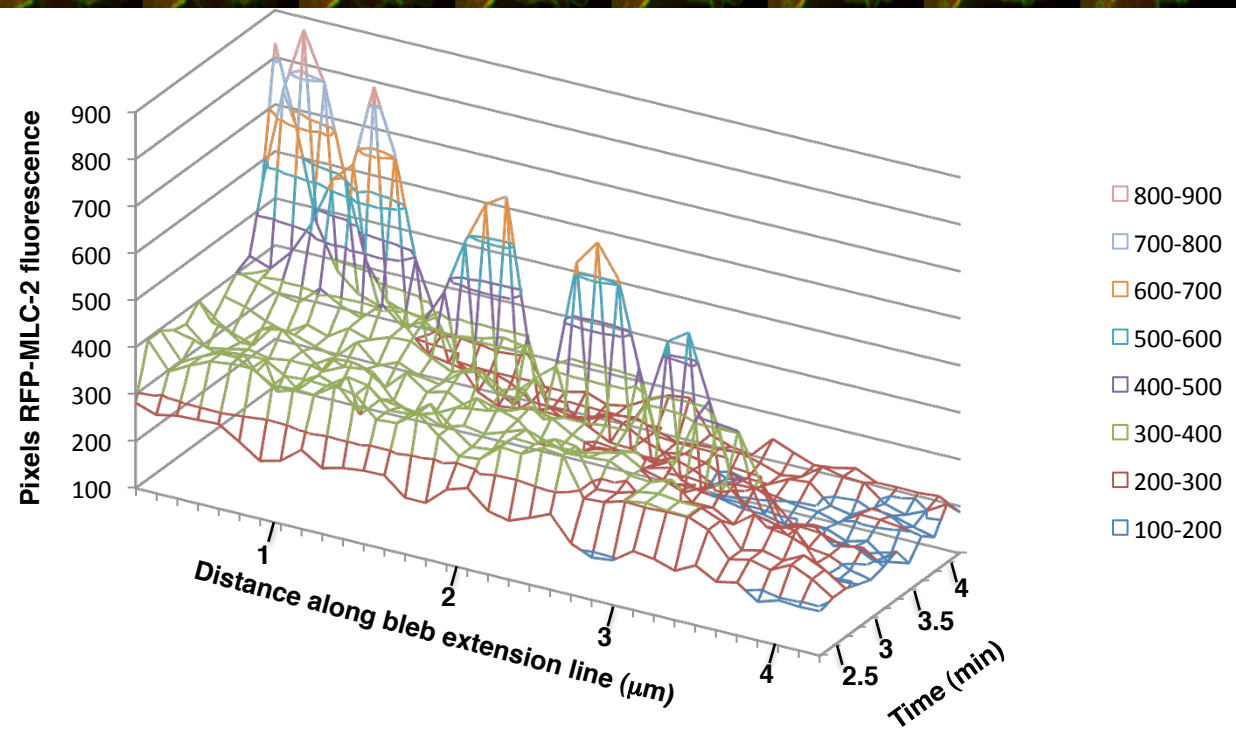


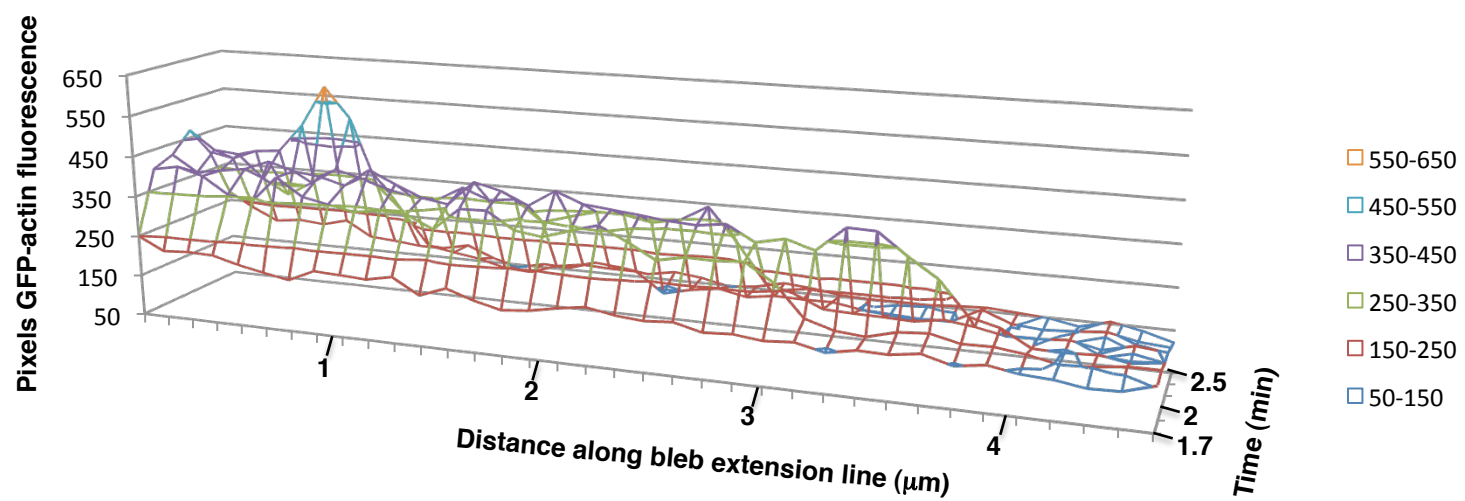
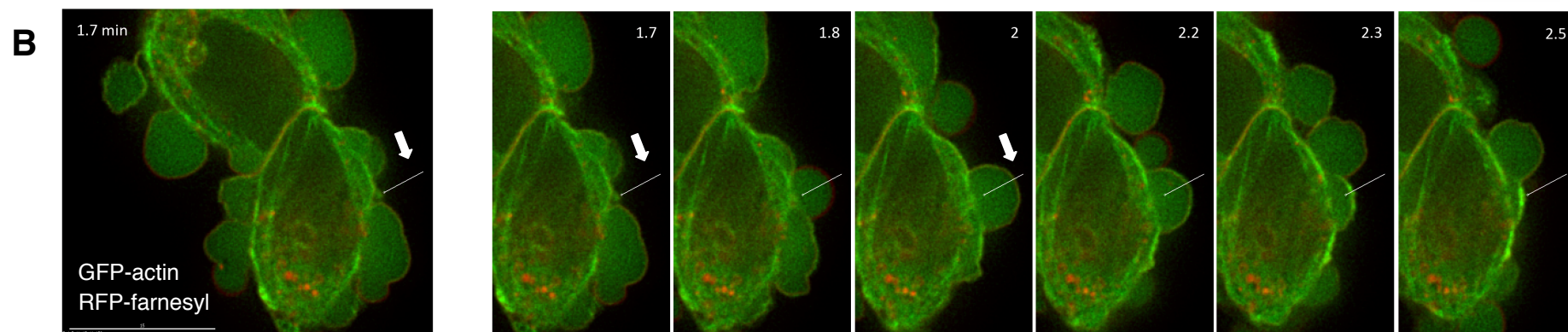
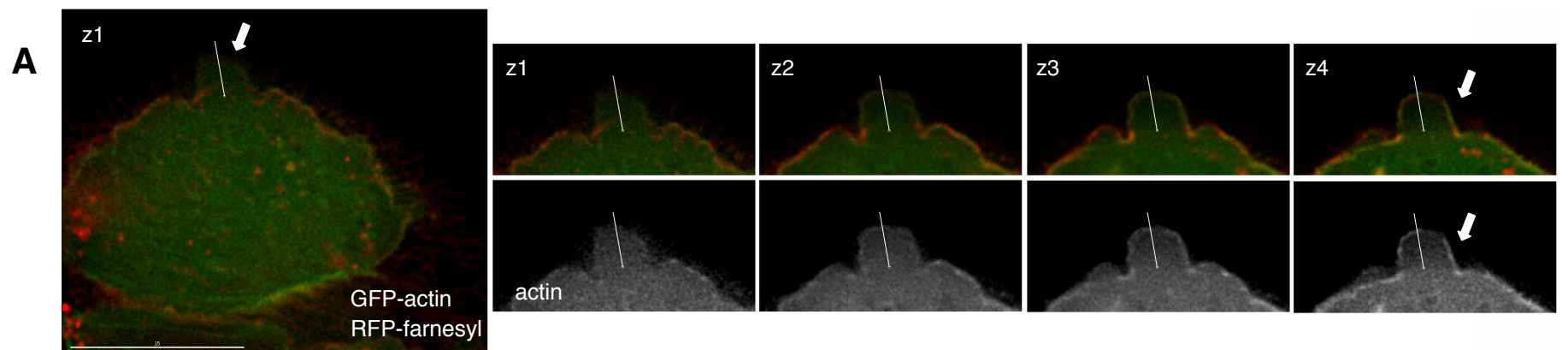
S1
A

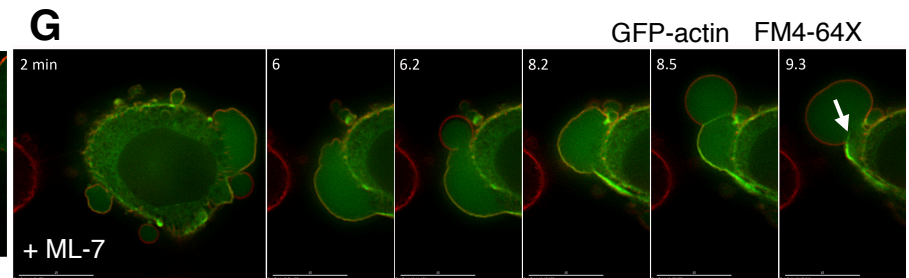
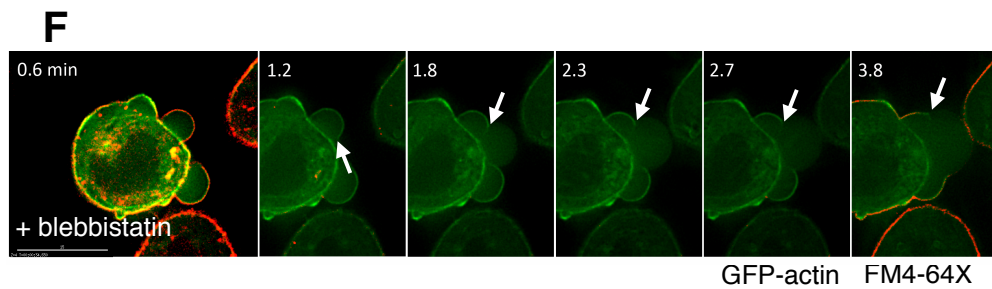
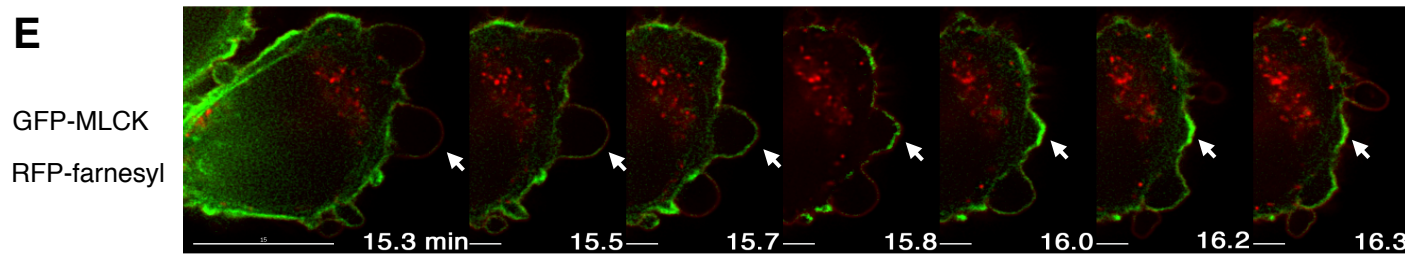
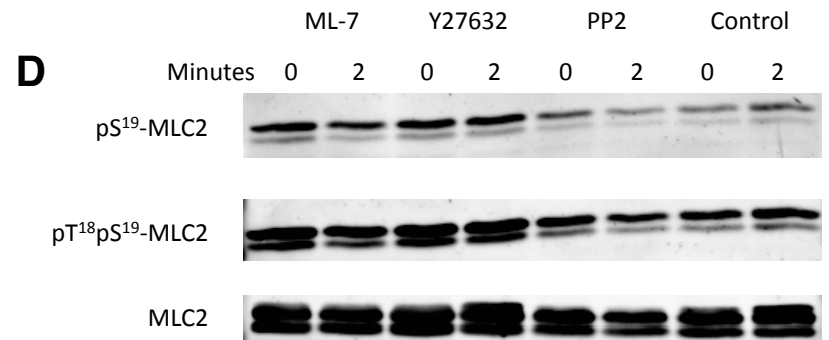
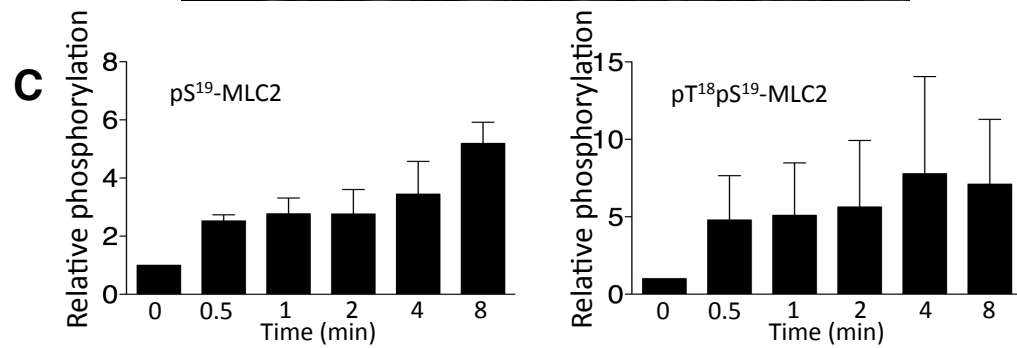
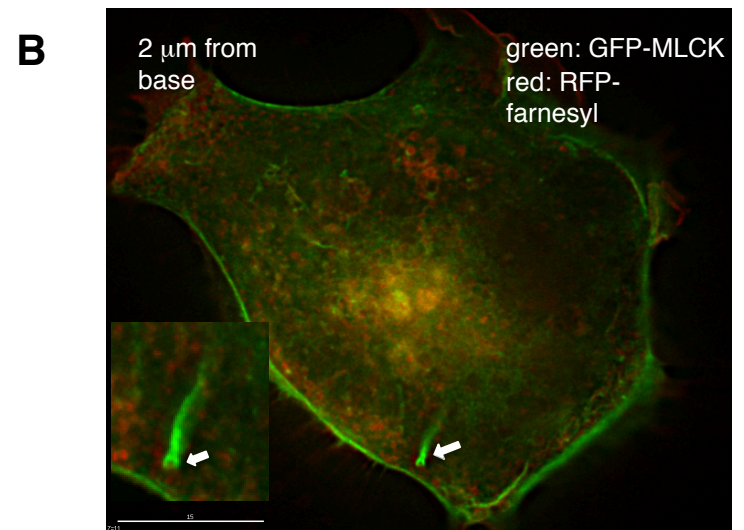
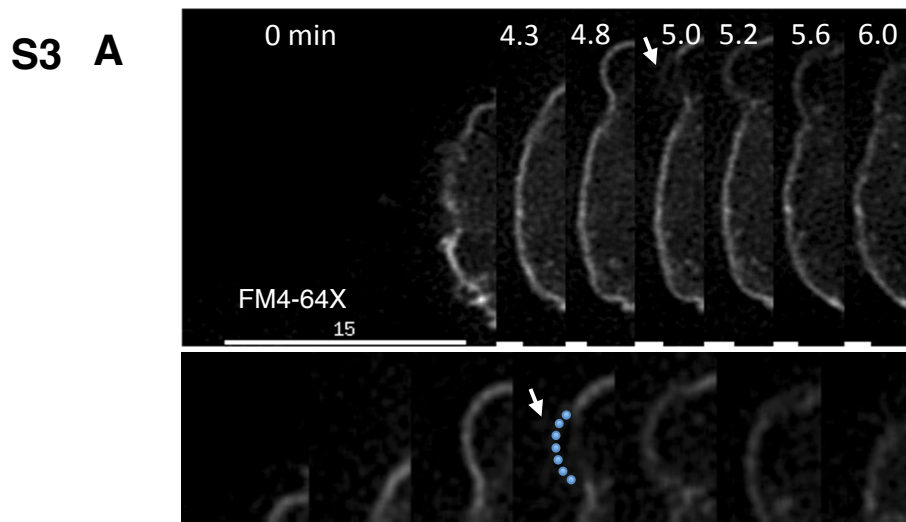


B



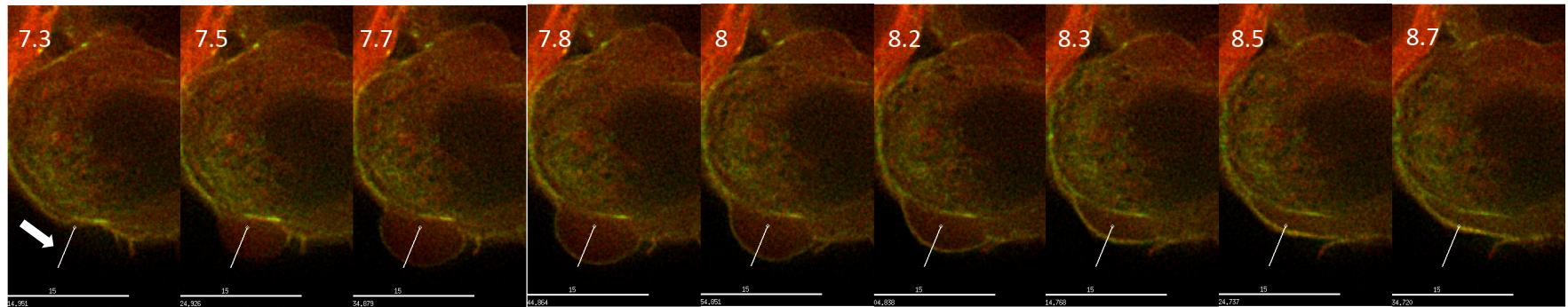
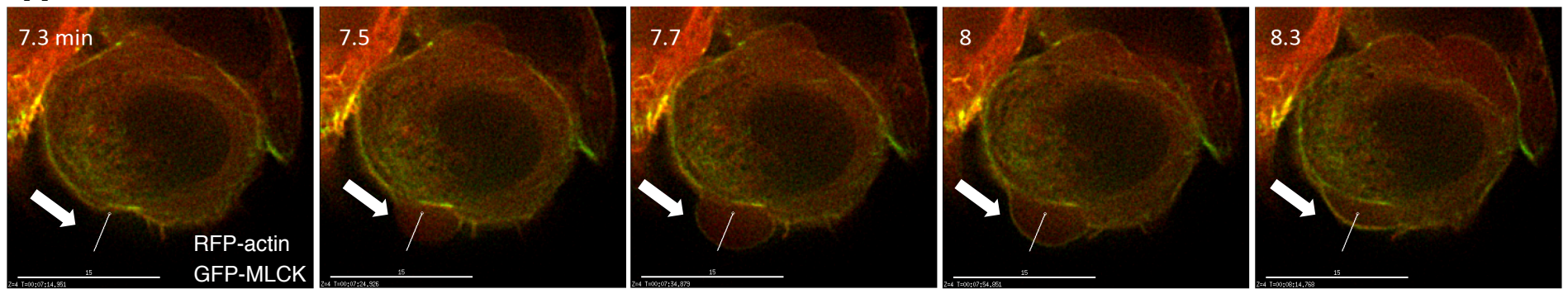
S2



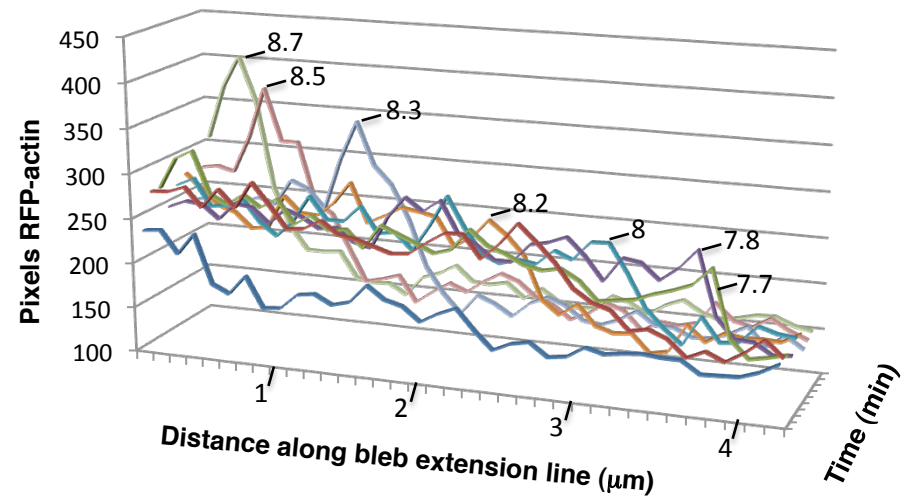
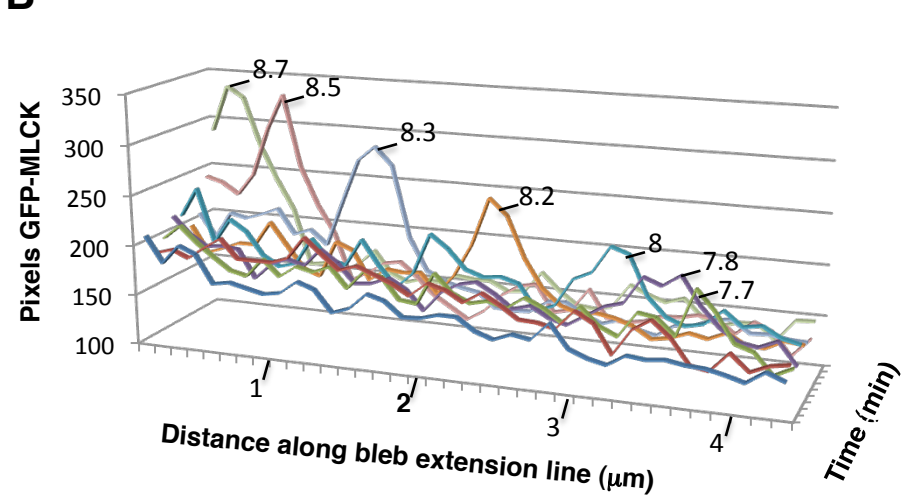


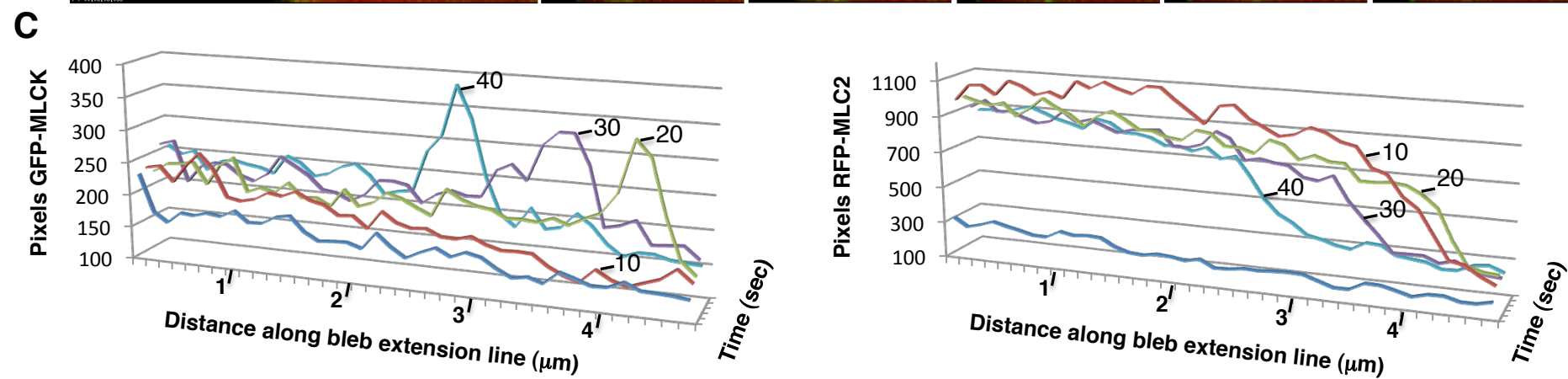
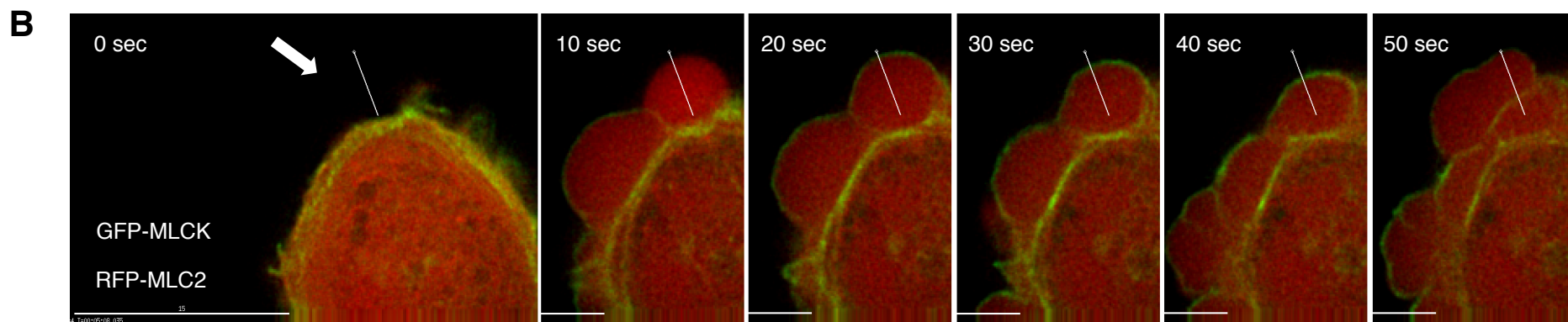
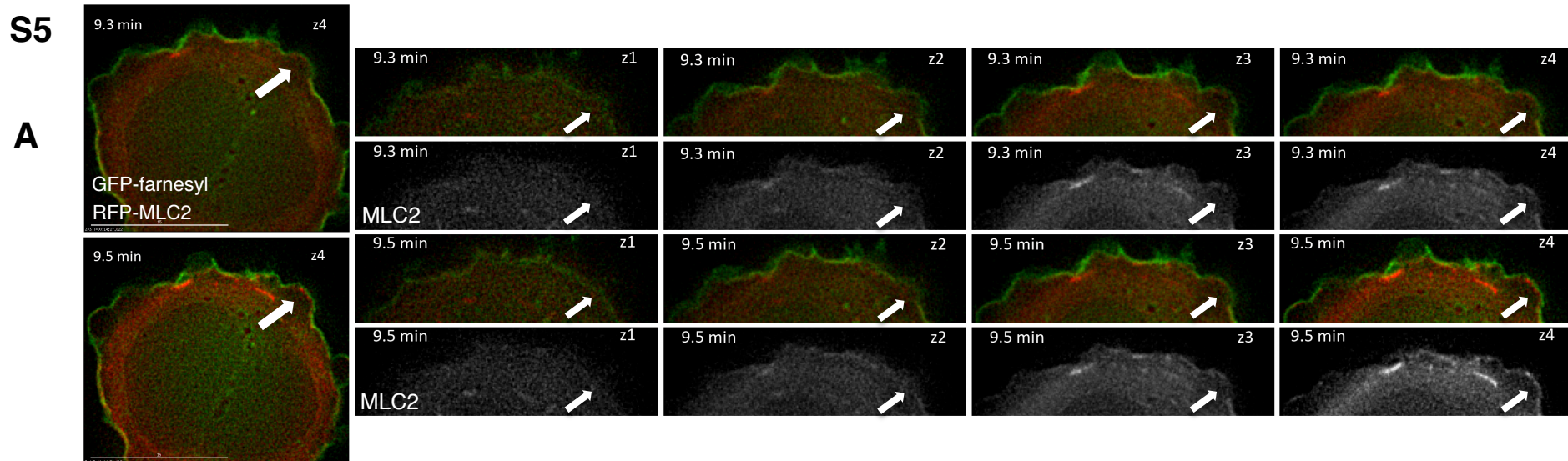
S4

A



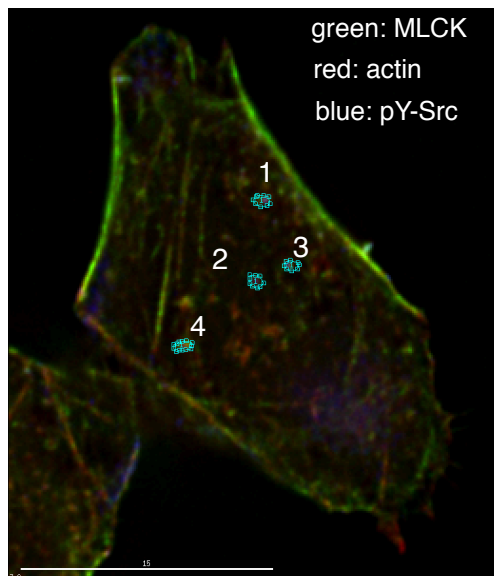
B



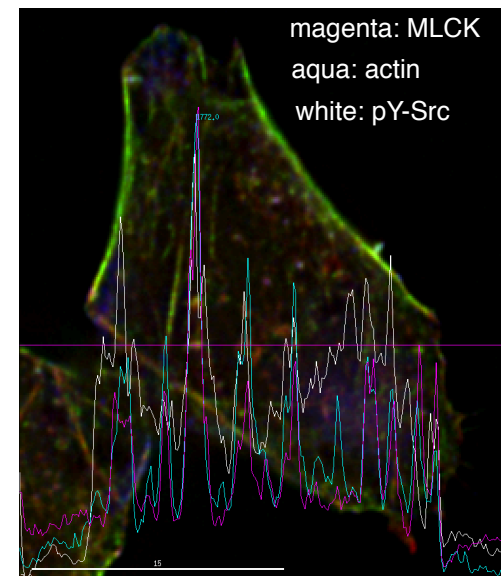


S6

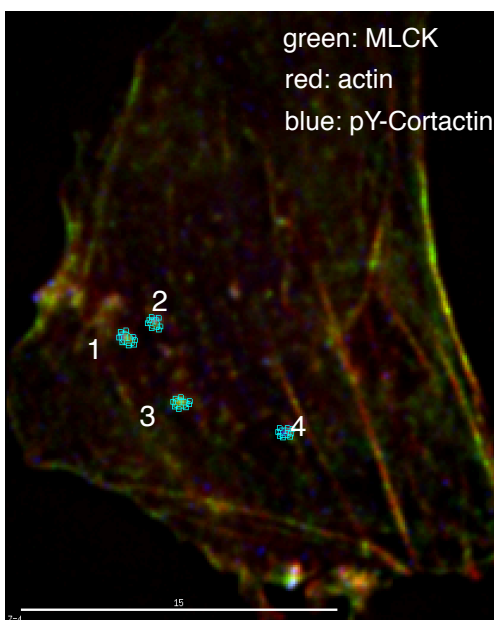
A



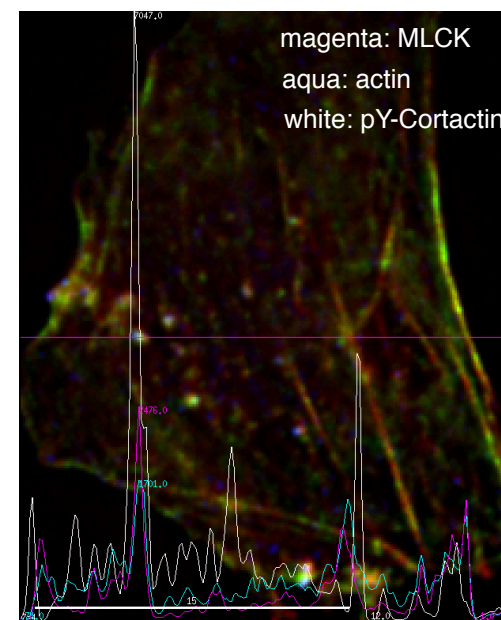
brightest pY-Src patches	pixels from line profile peak	correlation with MLCK in patch
1	2947	0.6963
2	2064	0.8101
3	2667	0.8524
4	1553	0.4832

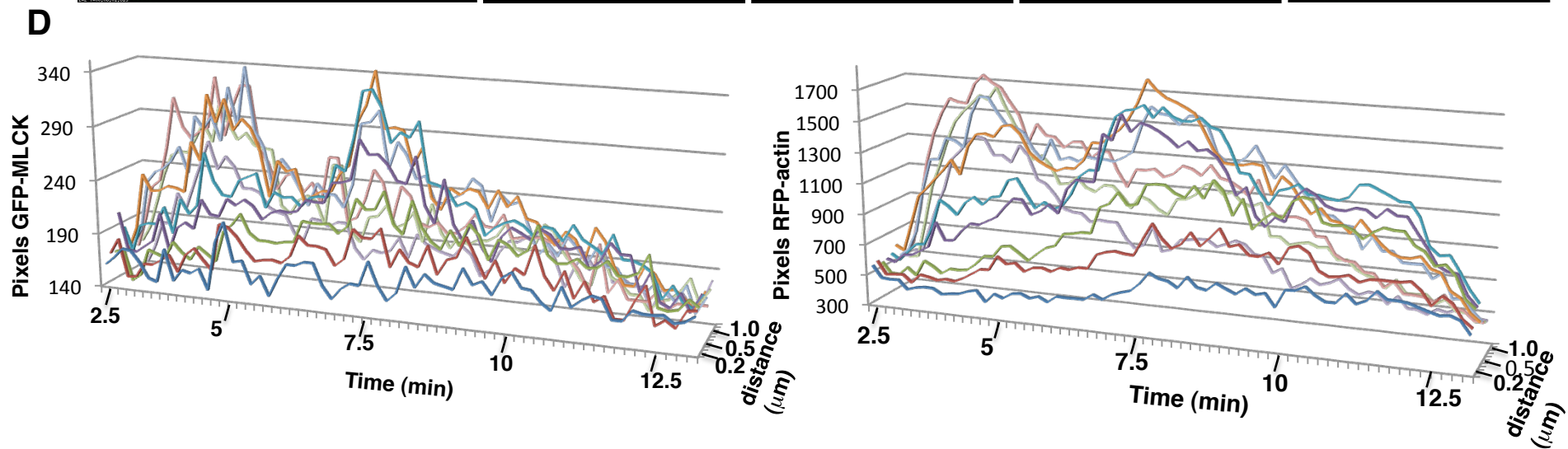
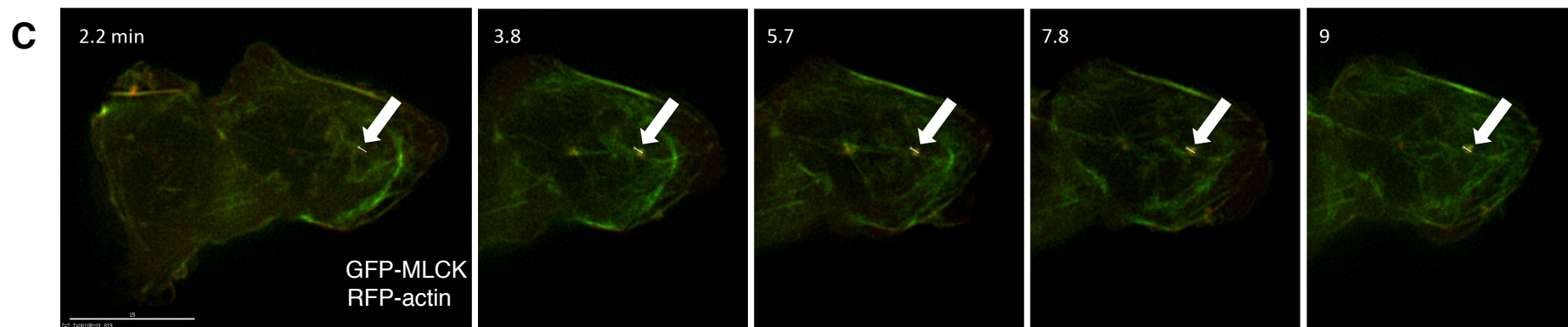
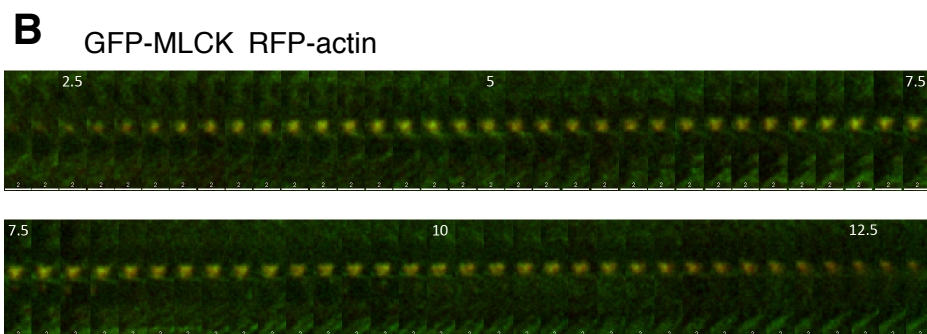
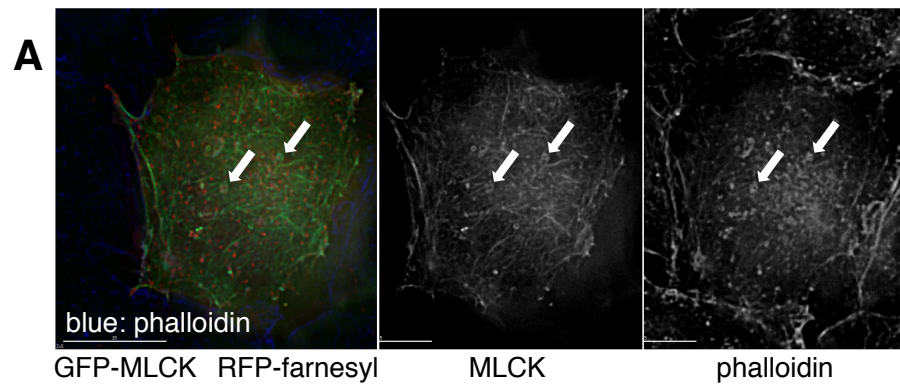


B

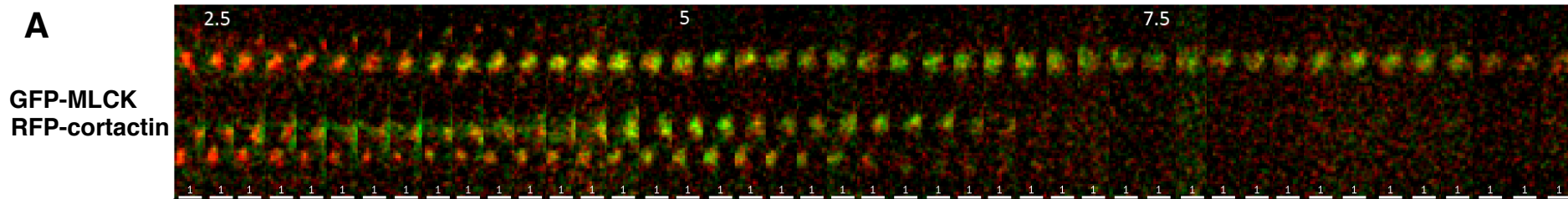


brightest pY-Cortactin patches	pixels from line profile peak	correlation with MLCK in patch
1	7047	0.5045
2	6478	0.7676
3	4619	0.8038
4	9118	0.5959

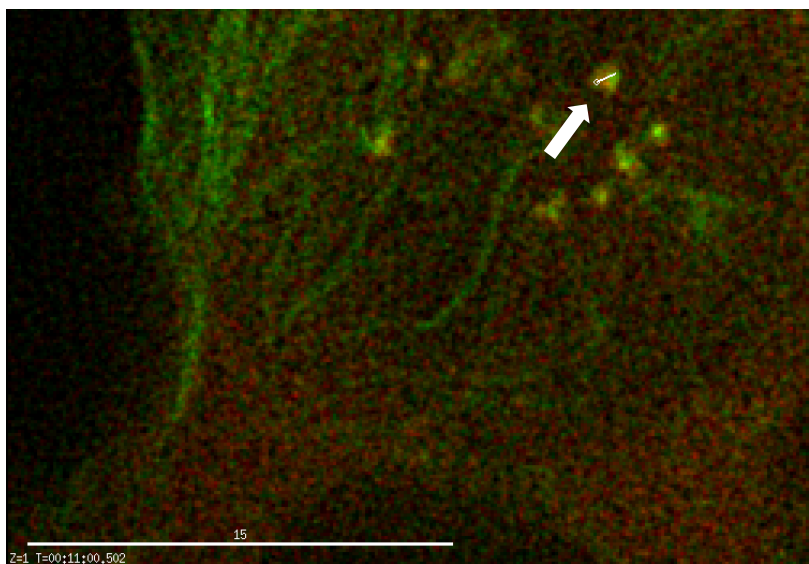
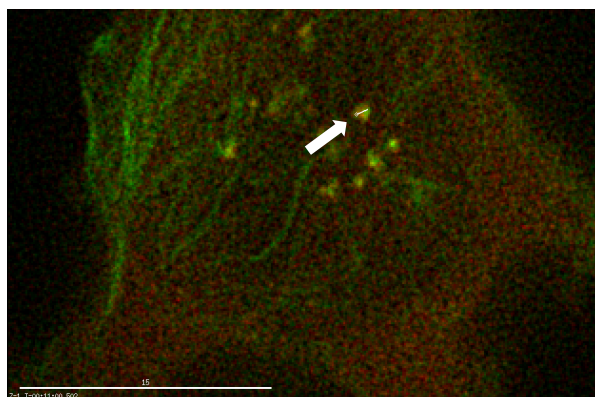


S7

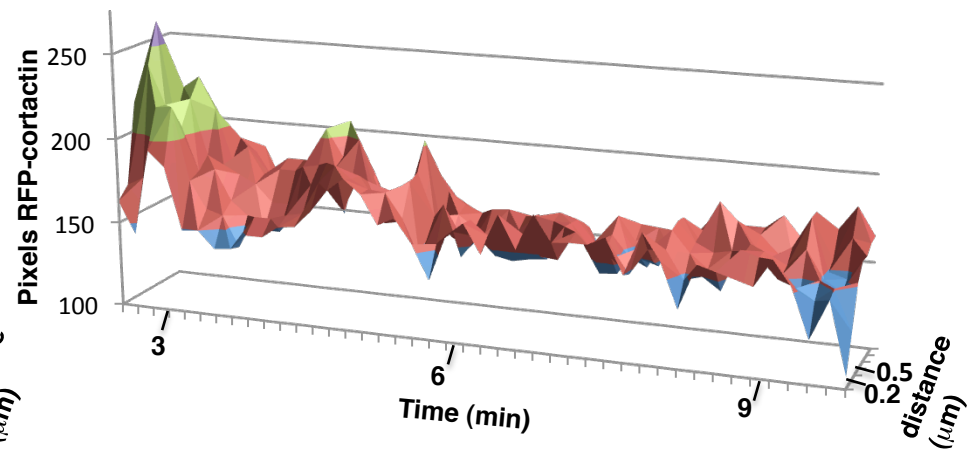
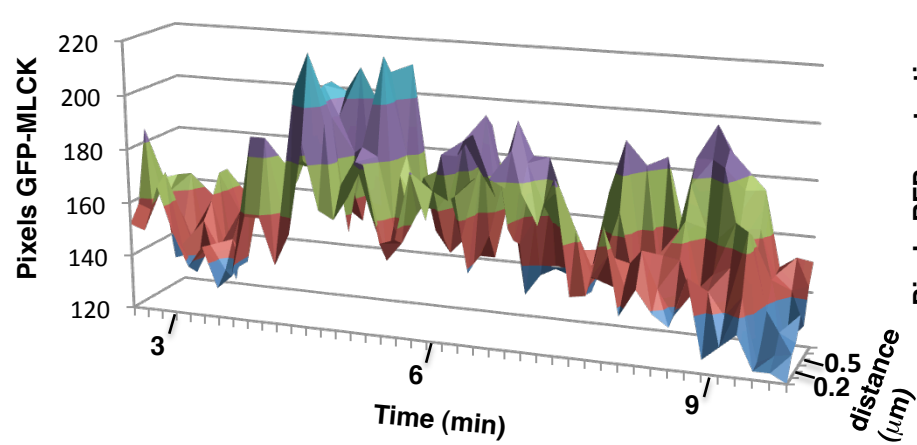
S8



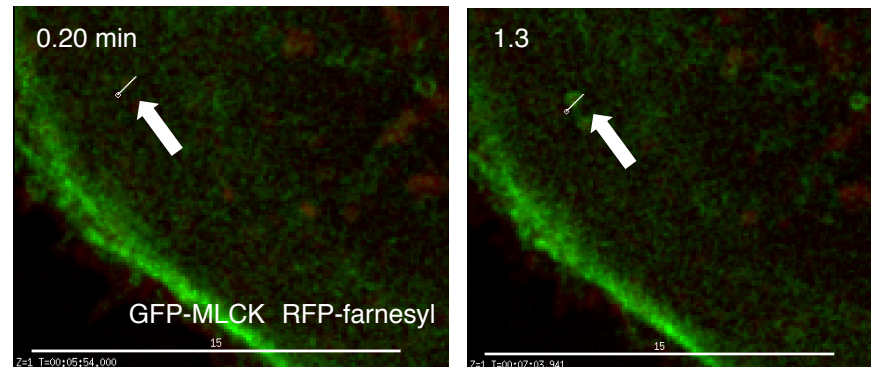
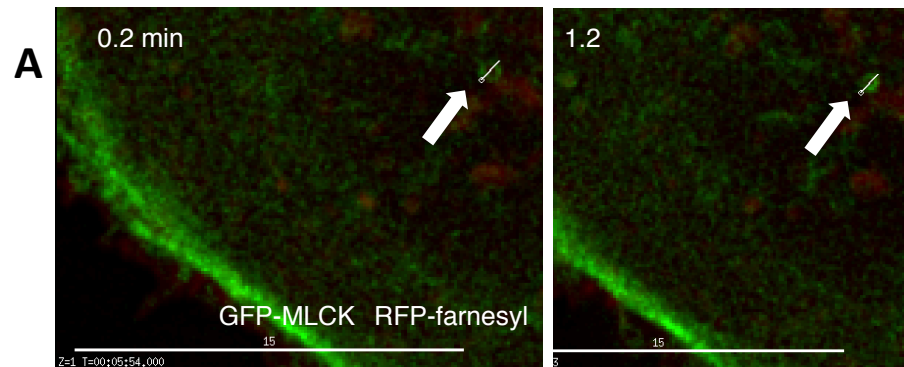
B



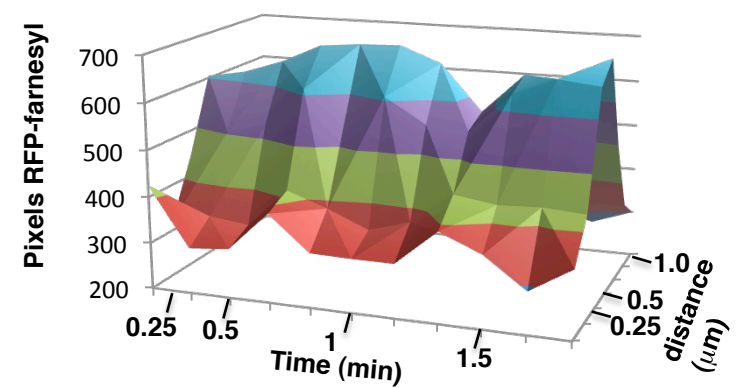
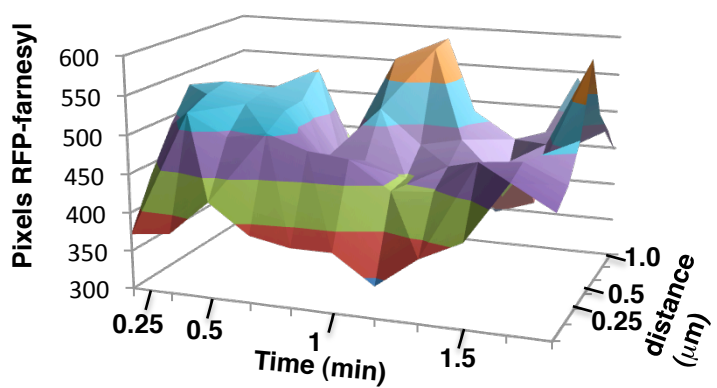
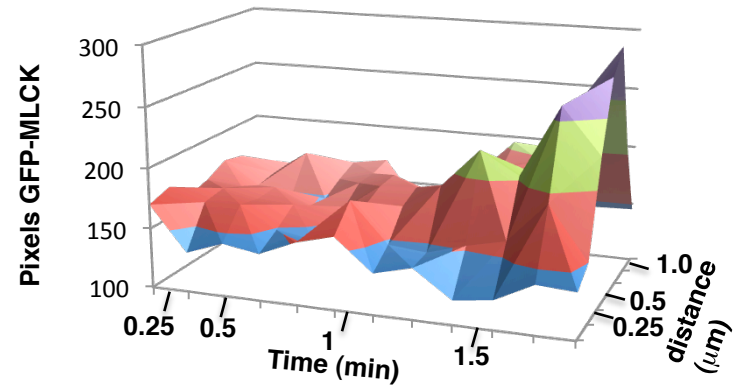
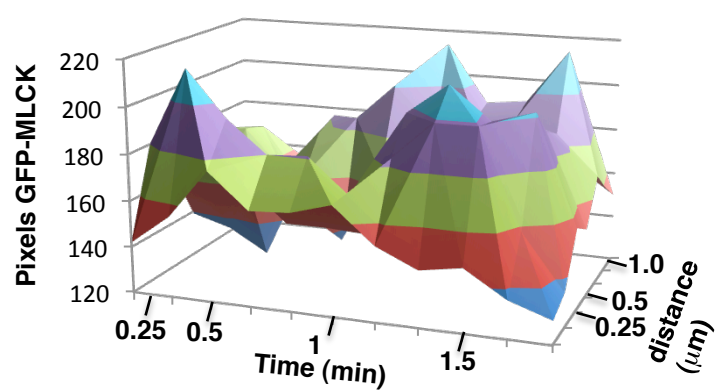
C



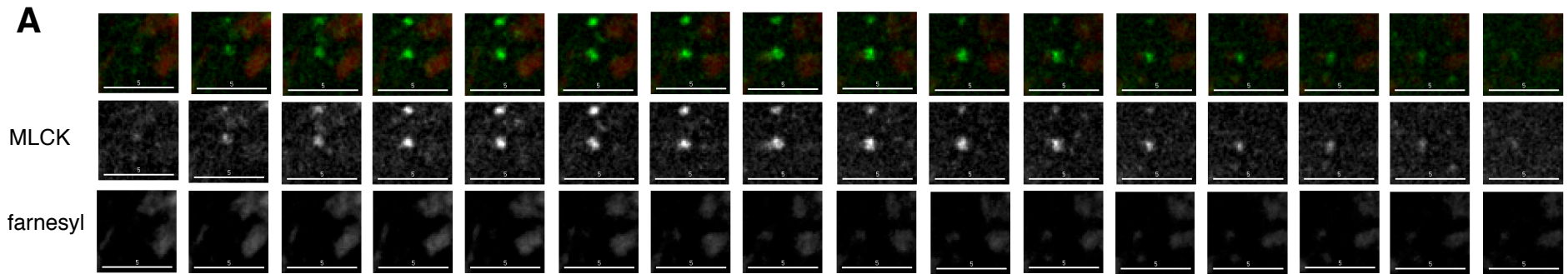
S9



B

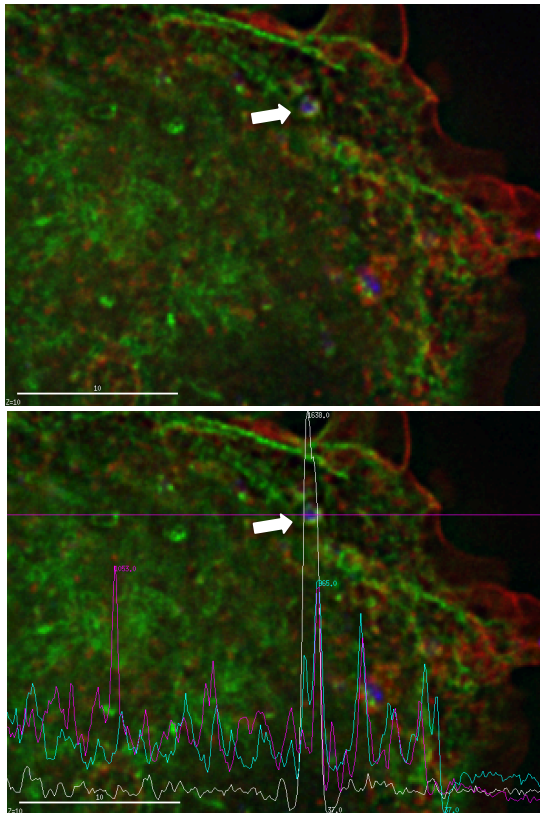


S10



B

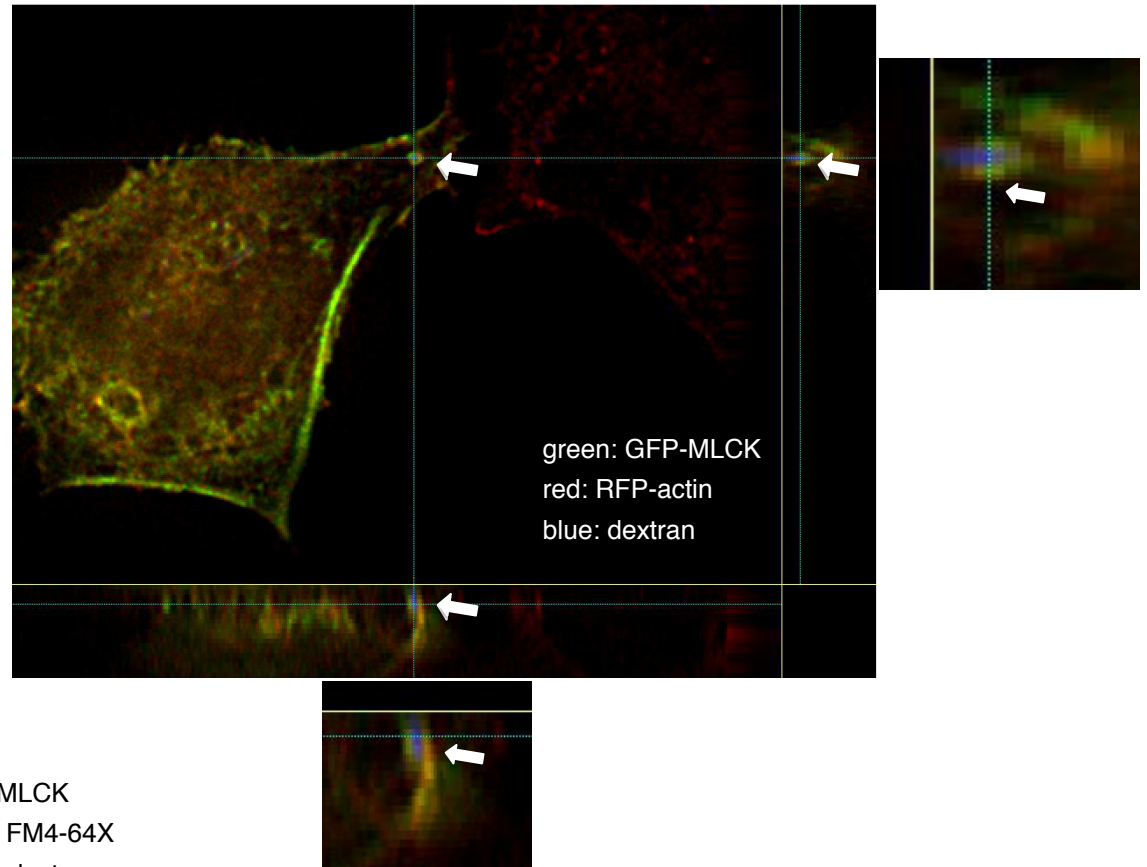
green: GFP-MLCK
red: FM-464X
blue: dextran



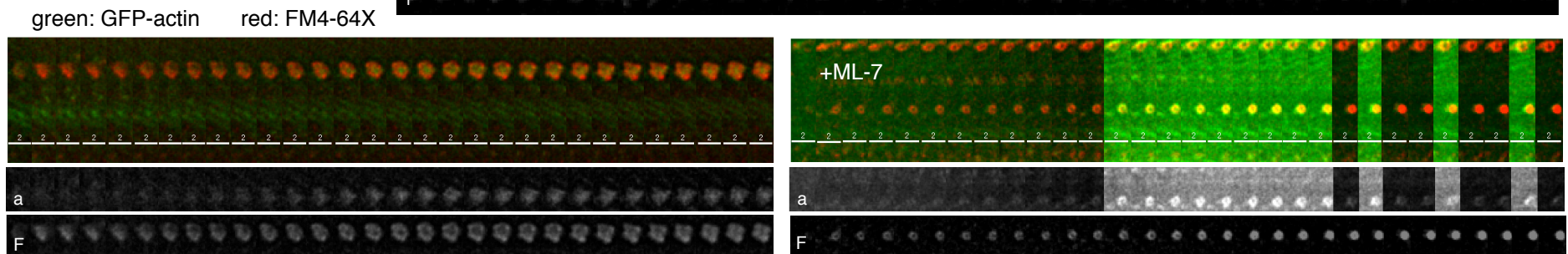
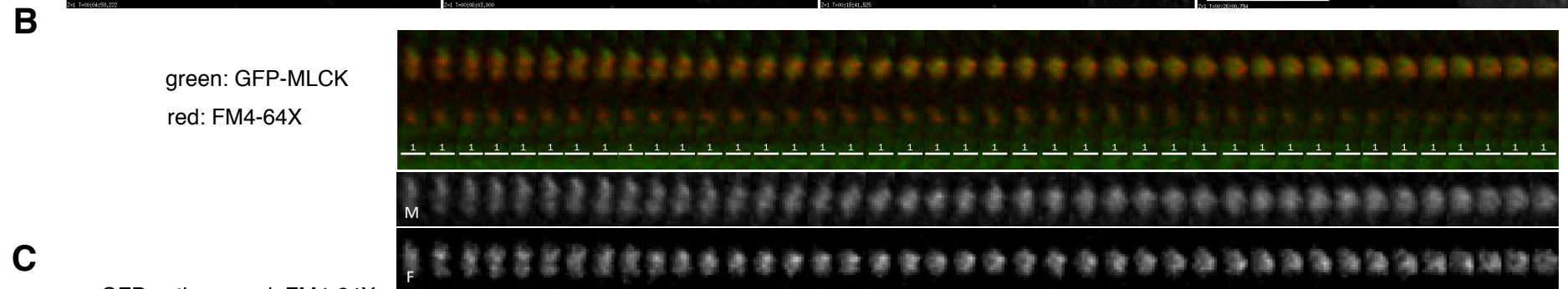
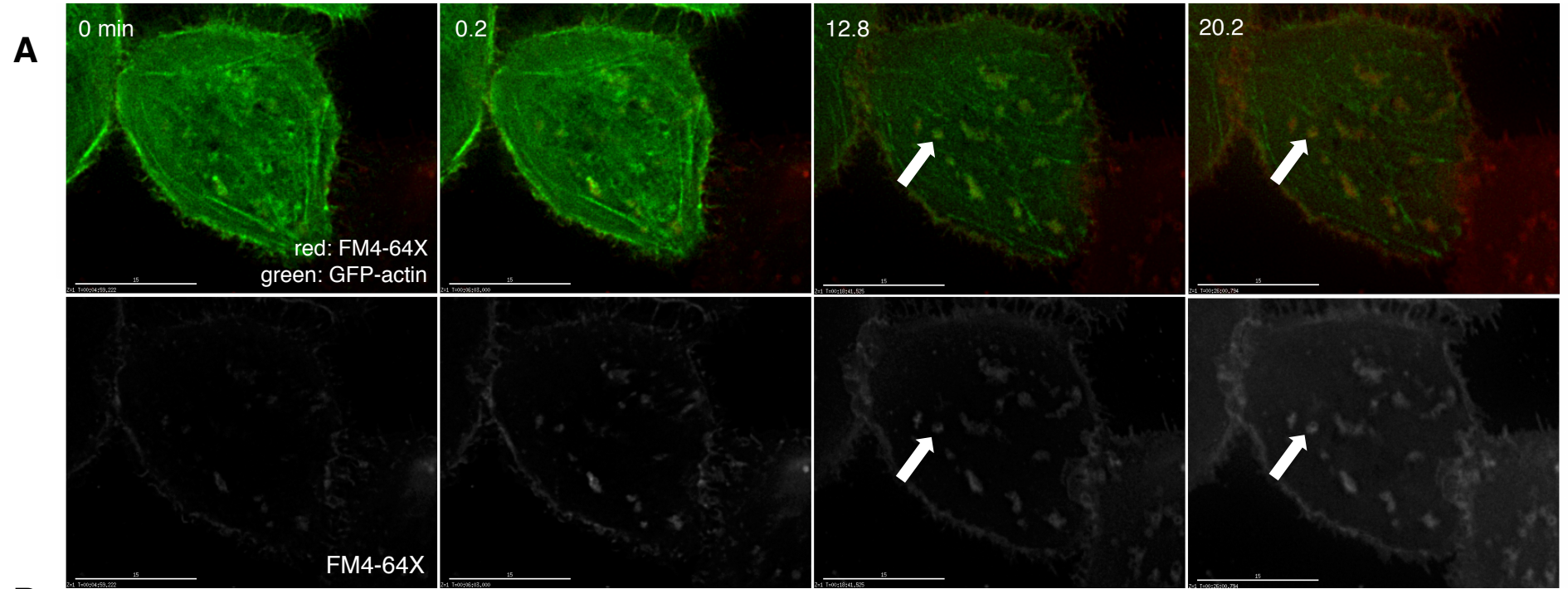
C

green: GFP-MLCK
red: RFP-actin
blue: dextran

pink line: MLCK
aqua line: FM4-64X
white line: dextran

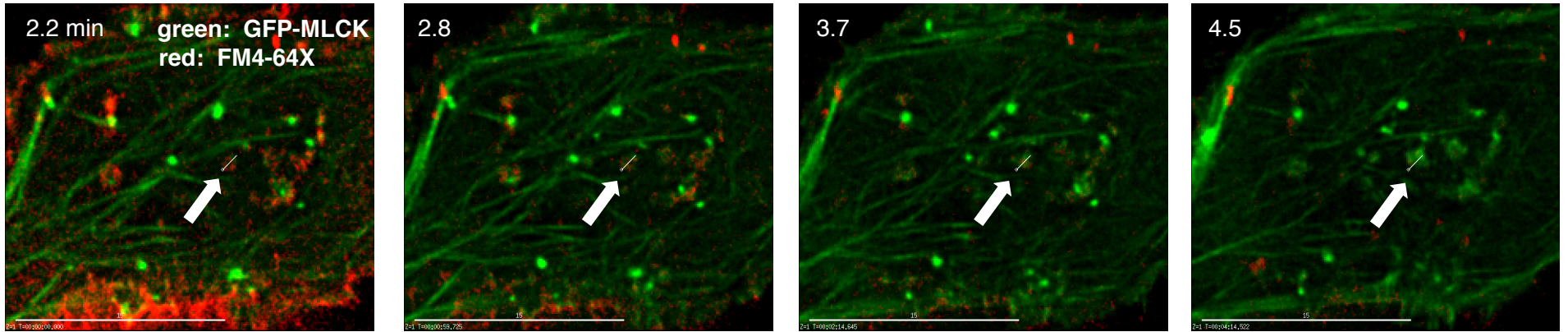


S11

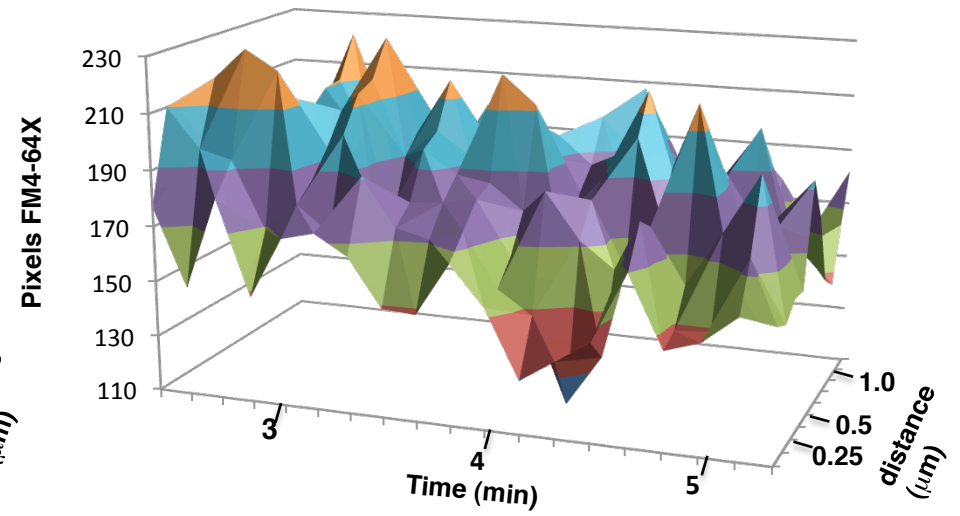
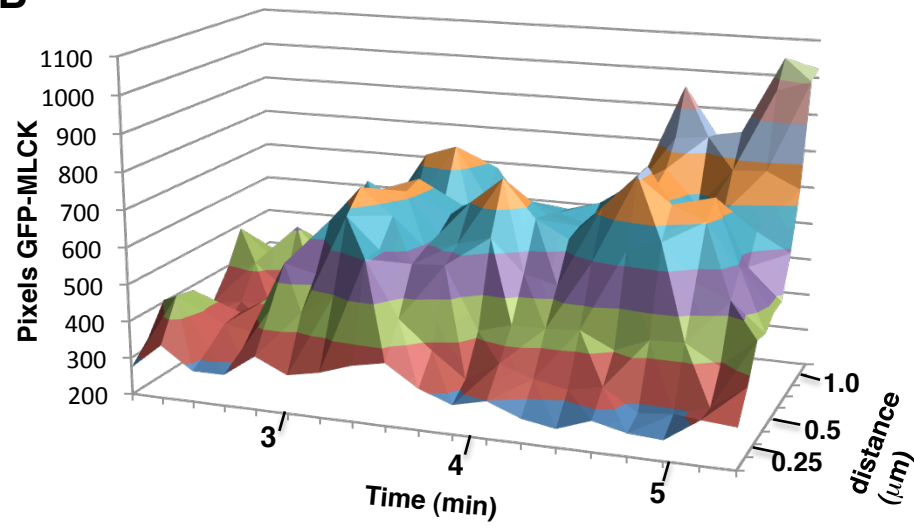


S12

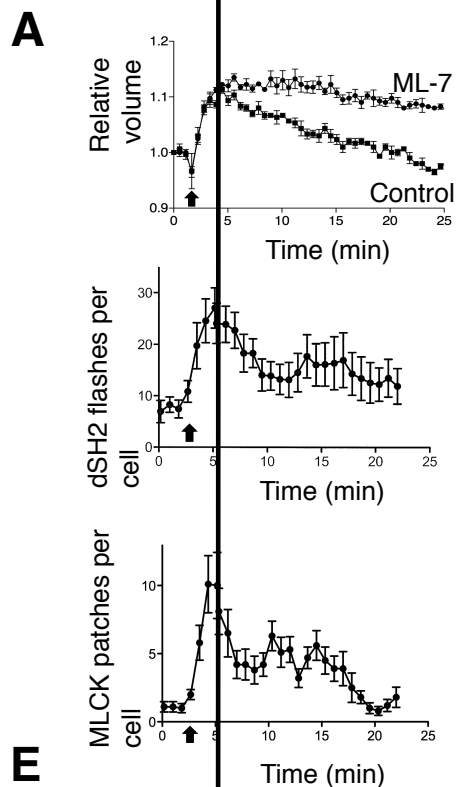
A



B



S13 Peak response



time after swelling	volume	Src (dSH2)flashes	MLCK patches
peak	2.7-3.4 min	2.5 min	1.7-2.5 min
half maximum	1.2-1.7 min	0-0.8 min	0-0.8 min

B

	MLCK ring	RFP-farn ring	MLCK & farn rings	MLCK ring & farn lumen
HYPO	34	30	5	1
ML-7	26	45	15	0
Dynasore	101	62	27	10

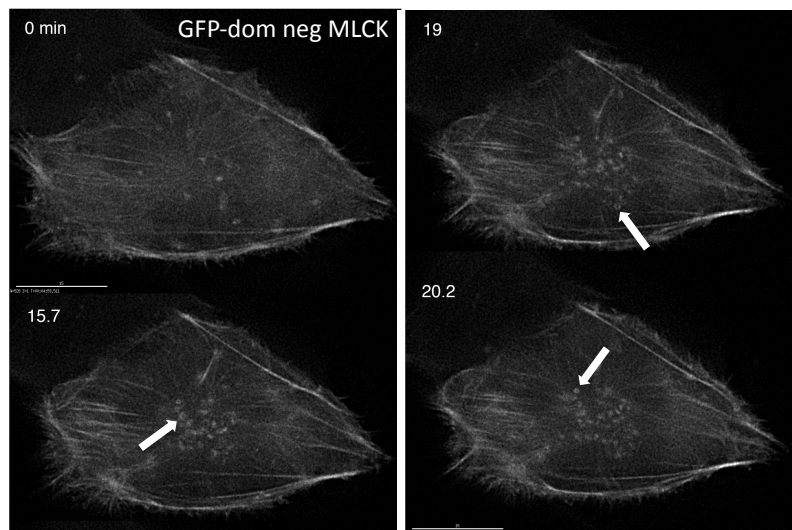
C

	actin ring	FM4-64X ring	actin & FM ring
ML-7	16	40	8

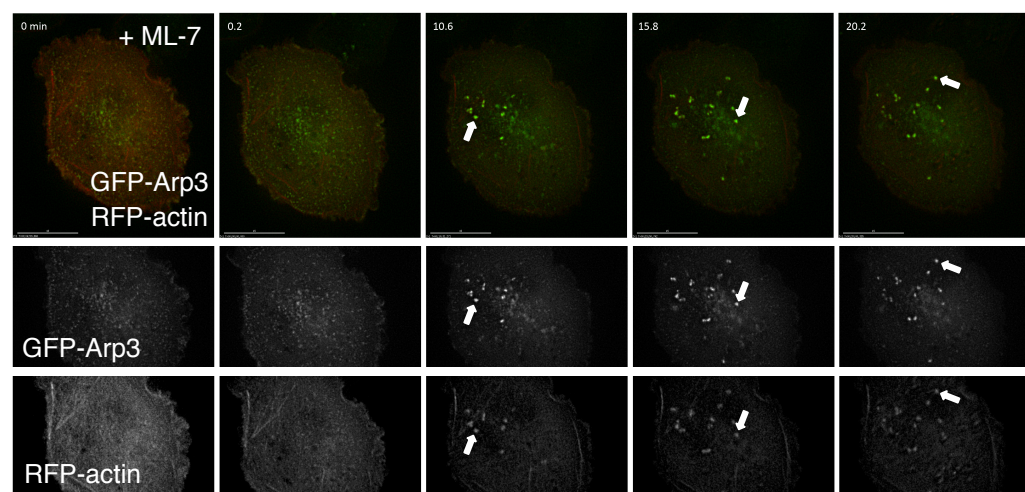
D

	HYPO	ML-7	Dynasore
% MLCK assoc farnesyl rings	15	58	27
% actin assoc FM4-64X rings		50	

E



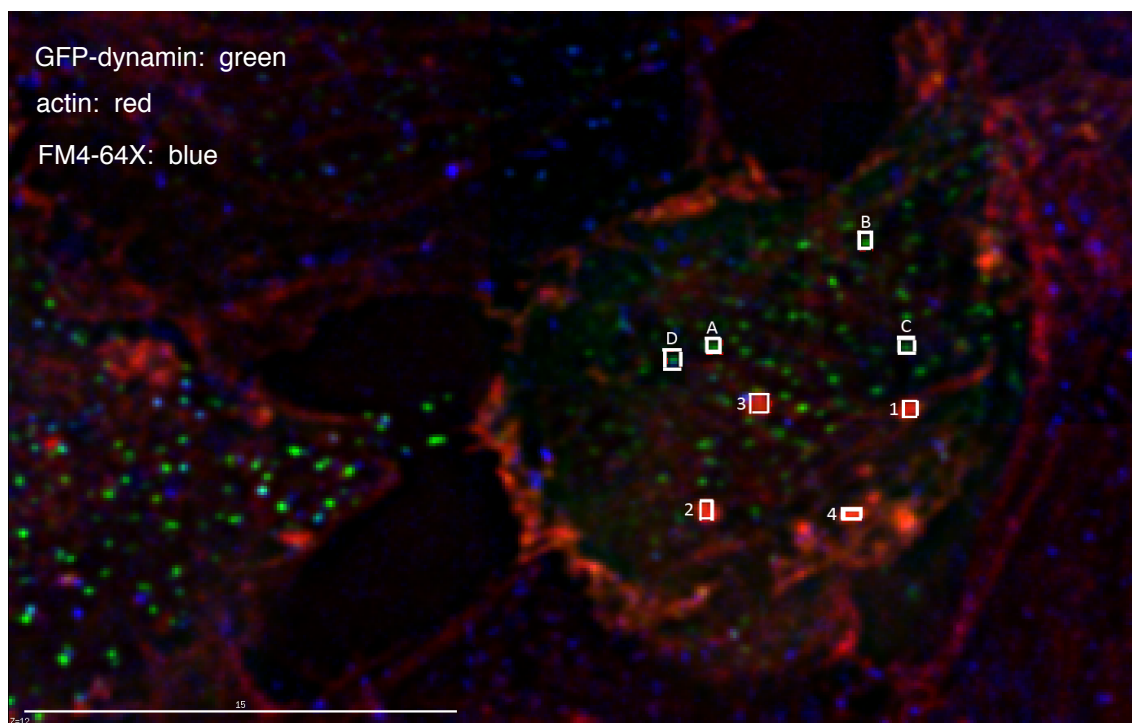
F



S14

A

dynamain patches	correlation (with actin)	dynamain dots	correlation (with actin)
1	0.4598	A	-0.0757
2	0.8374	B	0.0164
3	0.7810	C	-0.3499
4	0.7739	D	0.2015



B

