

Description of Additional Supplementary Files

File name: Supplementary Movie 1

Description: Time-lapse TIRF microscopy series of actin filaments in the presence of activated MPK3.

File name: Supplementary Movie 2

Description: Time-lapse TIRF microscopy series of actin filaments in the presence of VLN3.

File name: Supplementary Movie 3

Description: Time-lapse TIRF microscopy series of actin filaments in the presence of VLN3 phosphorylated by activated MPK3.

File name: Supplementary Movie 4

Description: Time-lapse TIRF microscopy series of actin filaments in the presence of VLN3S779A and activated MPK3.

File name: Supplementary Movie 5

Description: Time-lapse TIRF microscopy series of actin filaments in the presence of VLN3S779D.

File name: Supplementary Movie 6

Description: Time-lapse TIRF microscopy series of actin filaments in the presence of VLN3 and MKK5DD.

File name: Supplementary Movie 7

Description: Time-lapse images of actin filament dynamics in WT guard cells treated with mock.

File name: Supplementary Movie 8

Description: Time-lapse images of actin filament dynamics in WT guard cells treated with flg22.