Title: Supplementary Movie 1:

Description: Ca^{2+} imaging in HeLa cells with GeuSapVC2.60. The movie is in IMD mode. Color hue indicates anisotropy. Scale bar is 10 μ m.

Title: Supplementary Movie 2:

Description:Ca $^{2+}$ imaging in HeLa cells with GeuSapVC3.60. The movie is in IMD mode. Color hue indicates anisotropy Scale bar is 10 μ m.