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Supporting dataset for

Automated spatiotemporal analysis identifies WAVE2 and Cofilin as joint central regulators of costimulation-mediated T cell actin dynamics

Kole T. Roybal^{1,2}, Taráz E. Buck³, Xiongtao Ruan³, Baek Hwan Cho³, Danielle J. Clark¹, Rachel Ambler¹, Helen M. Tunbridge¹, Jianwei Zhang³, Paul Verkade⁴, Christoph Wülfing^{1,2,5}, and Robert F. Murphy^{3,6,7}

¹ School of Cellular and Molecular Medicine, University of Bristol

² Department of Immunology, University of Texas Southwestern Medical Center

³ Computational Biology Department, School of Computer Science, Carnegie Mellon University

⁴ School of Biochemistry, University of Bristol

⁵ Department of Cell Biology, University of Texas Southwestern Medical Center

⁶ Departments of Biological Sciences, Biomedical Engineering and Machine Learning, Carnegie Mellon University

⁷ Freiburg Institute for Advanced Studies and Faculty of Biology, Albert Ludwig University of Freiburg

Folders are included for both the average values (model_mean) and the standard deviations (model_std) across all cells for each sensor, time point and condition. Included within each folder are both images (in folder map_files) scaled to the maximum average value for a given map) and comma-separated value (csv) files (in folder csv_files) containing the relative fluorescence intensity values (scaled to a fraction of the total fluorescence). Note that the scale for the standard deviation maps is 3.12 times higher for the images as for the corresponding average maps, but that the csv files are all on the same scale. Also included is a csv file containing the average cellular concentration of each probe (except MRLC).

The Matlab function CSV2image.m can read a csv file and return a 3D image.

The Matlab function CSV2map can be given the name of a condition and a sensor and a frame number and will return a 3D image either as relative fluorescence or concentration values.