SUPPLEMENTARY DATA

WASp Family Verprolin-Homologous Protein-2 (WAVE2) and Wiskott-Aldrich Syndrome Protein (WASp) Engage in Distinct Downstream Signaling Interactions at the T Cell Antigen Receptor Site

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SUPPLEMENTARY MOVIE S1. *Dynamic movement of YFP-WAVE2 (yellow) in live activated T cells-* Jurkat E6.1 cells stably expressing YFP-WAVE2 were dropped onto stimulatory coverslips coated with monoclonal anti-CD3 antibody and observed dynamically using the Zeiss LSM510 Meta confocal microscope. Seven images consisting of 0.5 µm deep Z-stacks were collected every 28.5 sec. Image slices near the coverslip were selected and exported as QuickTime movies. Playback rates were 172× faster than real time.

SUPPLEMENTARY MOVIE S2. *Dynamic movement of YFP-WAVE2 (yellow) in live activated T cells-* Jurkat E6.1 cells stably expressing YFP-WAVE2 were dropped onto stimulatory coverslips coated with monoclonal anti-CD3 antibody and observed dynamically using the Zeiss LSM510 Meta confocal microscope. Seven images consisting of 0.5 µm deep Z-stacks were collected every 28.7 sec. Image slices near the coverslip were selected and exported as QuickTime movies. Playback rates were 173× faster than real time.

SUPPLEMENTARY MOVIE S3. *Dynamic movement of WAVE2-CFP (blue) and SLP-76–YFP (yellow) in live activated J14 SLP-76 deficient T cells–* FRET efficiency of the interaction between WAVE2 and SLP76 was calculated throughout T cell spreading. Cells were dropped onto stimulatory-coverslips coated with monoclonal anti-CD3 and observed dynamically using the Zeiss LSM510 Meta confocal microscope. Five images consisting of 0.5 µm deep Z-stacks were collected every 77.7 sec. Image slices were exported as QuickTime movies. Playback rates were 468× faster than real time.