Supporting Information

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Movie S1. Confocal fluorescence micrographs of Cy5-labeled MinE in Min protein waves on membrane checkerboard patterns (MinD = 0.8μ M, MinE = 0.5μ M with 10 mol % MinE-Cy5). Scale bar is 100 μ m.

Movie S1 (MOV)



Movie S2. Confocal fluorescence micrographs of Cy5-labeled MinE in Min protein waves on rectangular membranes with different aspect ratios (MinD = 0.8 μ M, MinE = 0.5 μ M with 10 mol % MinE-Cy5). Scale bar is 100 μ m.

Movie S2 (MOV)



Movie S3. Confocal fluorescence micrographs of Cy5-labeled MinE in Min protein waves on membranes with different shapes (MinD = 0.8 μ M, MinE = 0.5 μ M with 10 mol % MinE-Cy5). Scale bar is 100 μ m.

Movie S3 (MOV)



Movie S4. Confocal fluorescence micrographs of Cy5-labeled MinE in Min protein waves on membrane patches separated by constant distances and in the presence and absence of 6% (m/v) FicoII (MinD = 0.8 μ M, MinE = 0.5 μ M with 10 mol % MinE-Cy5). Scale bar is 100 μ m.

Movie S4 (MOV)



Movie S5. Theoretical reproduction of Min protein waves on a L-shaped membrane. Time shown is in seconds.

Movie S5 (MOV)



Movie S6. Theoretical reproduction of Min protein waves on various membrane geometries.

Movie S6 (MOV)



Movie S7. Theoretical reproduction of Min protein waves on membrane patches with different aspect ratios. Movie S7 (MOV)



Movie S8. Theoretical reproduction of diffusive coupling at different diffusion constants of the proteins in solution. Movie S8 (MOV)

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Movie S9. Simulation of cytoplasmic protein densities using our theoretical model. Movie S9 (MOV)

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