Supplemental Figures

Single Lipid Molecule Dynamics on Supported Lipid Bilayers with Membrane Curvature by Cheney *et.al.*
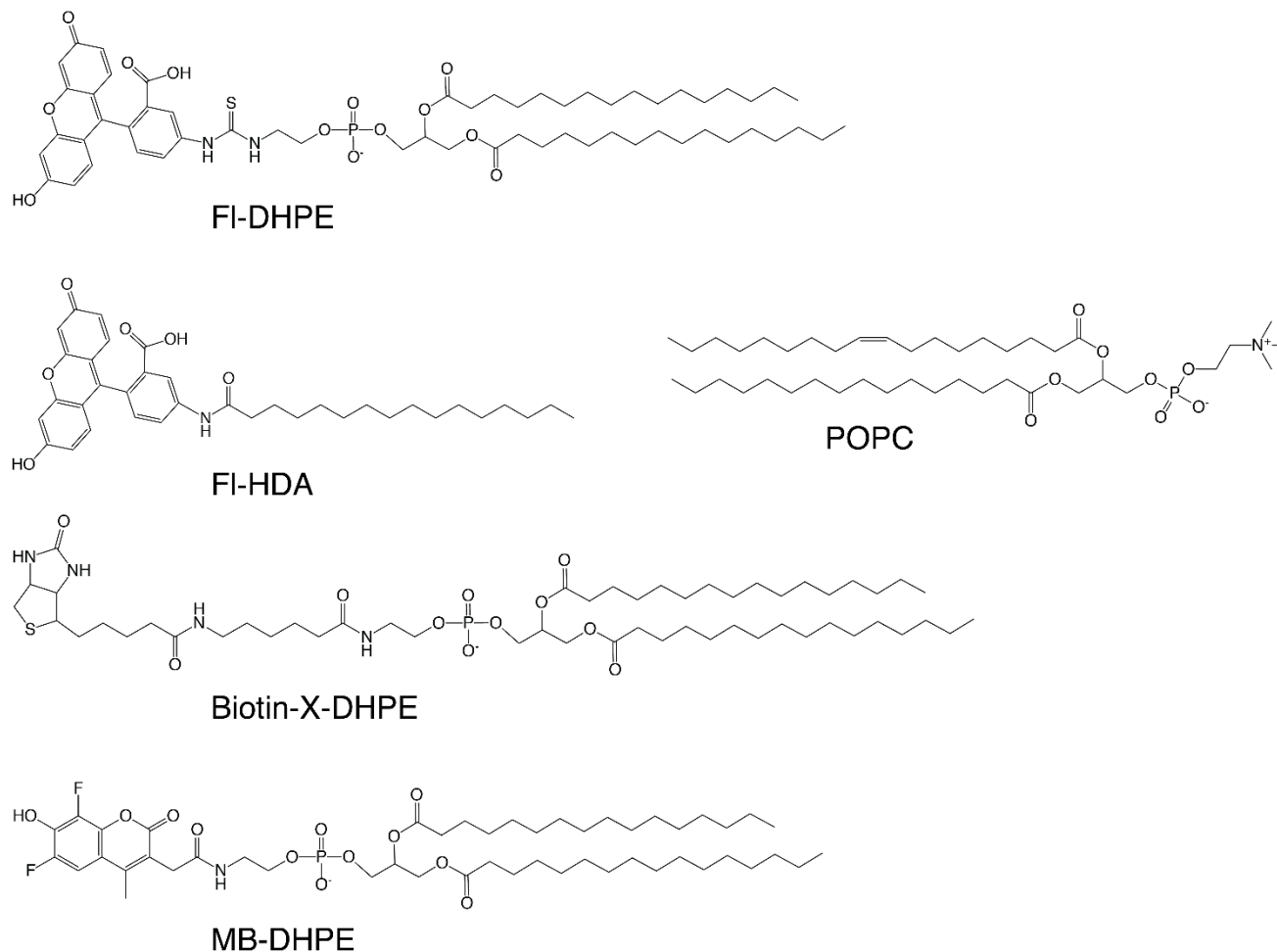

Figure S1: Chemical structures of the lipids used in this study. Fluorescein labeled DHPE (Fl-DHPE, Thermo Fisher Cat. Num. F362), Fluorescein labeled Hexadecanoic Acid (Fl-HDA, Thermo Fisher Cat. Num. H110), Biotin labeled DHPE (Biotin-X-DHPE, Thermo Fisher Cat. Num. B1616), Marina Blue® labeled DHPE (MB-DHPE, Thermo Fisher Cat. Num. M12652) and POPC (Avanti Polar Lipids Cat. Num. 850457).
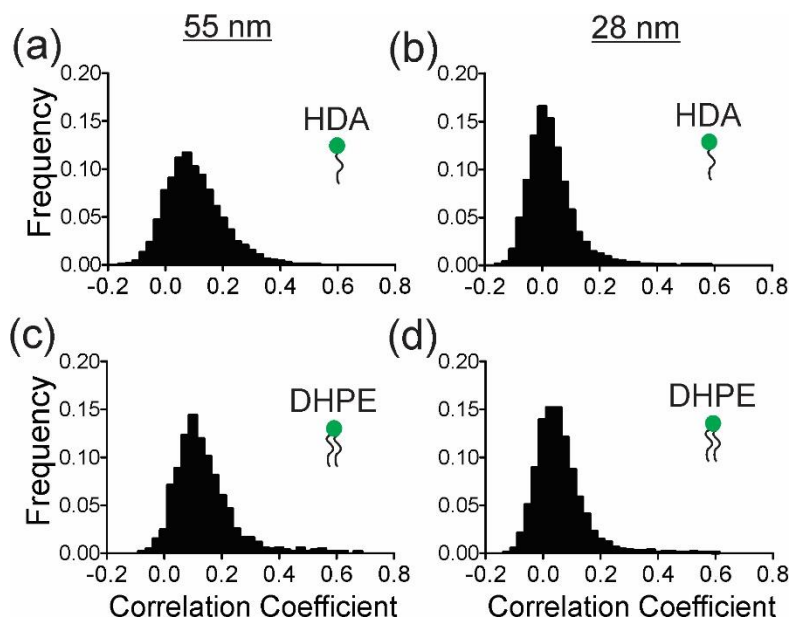
Figure S2: Distributions of the Pearson's correlation coefficient for HDA and DHPE at regions of membrane curvature. A) Fl-HDA at regions of curvature that have a ROC pf 55 nm. B) Fl-HDA at regions of curvature that have a ROC pf 28 nm. C) Fl-DHPE at regions of curvature that have a ROC pf 55 nm. D) Fl-DHPE at regions of curvature that have a ROC pf 28 nm.
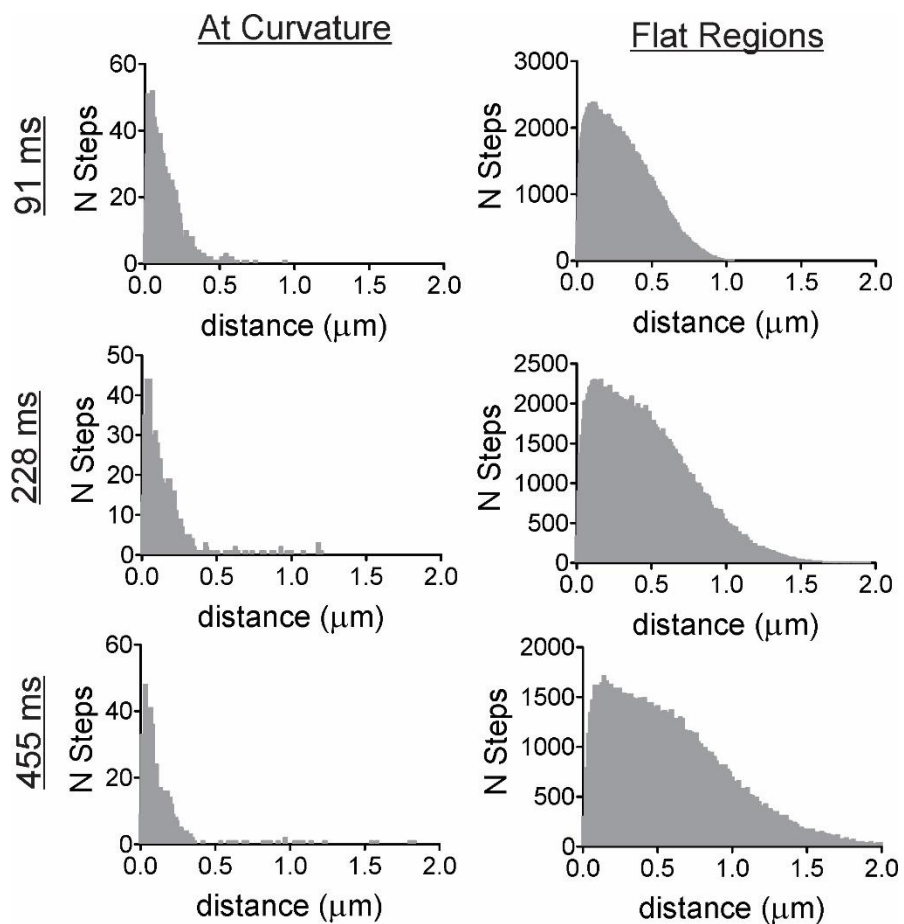
Figure S3: Distributions of the displacements made by single Strep-DHPE molecules. Tracks were separated into steps that start at curved regions (left) and flat regions (right) for 91, 228 and 455 ms time delays.