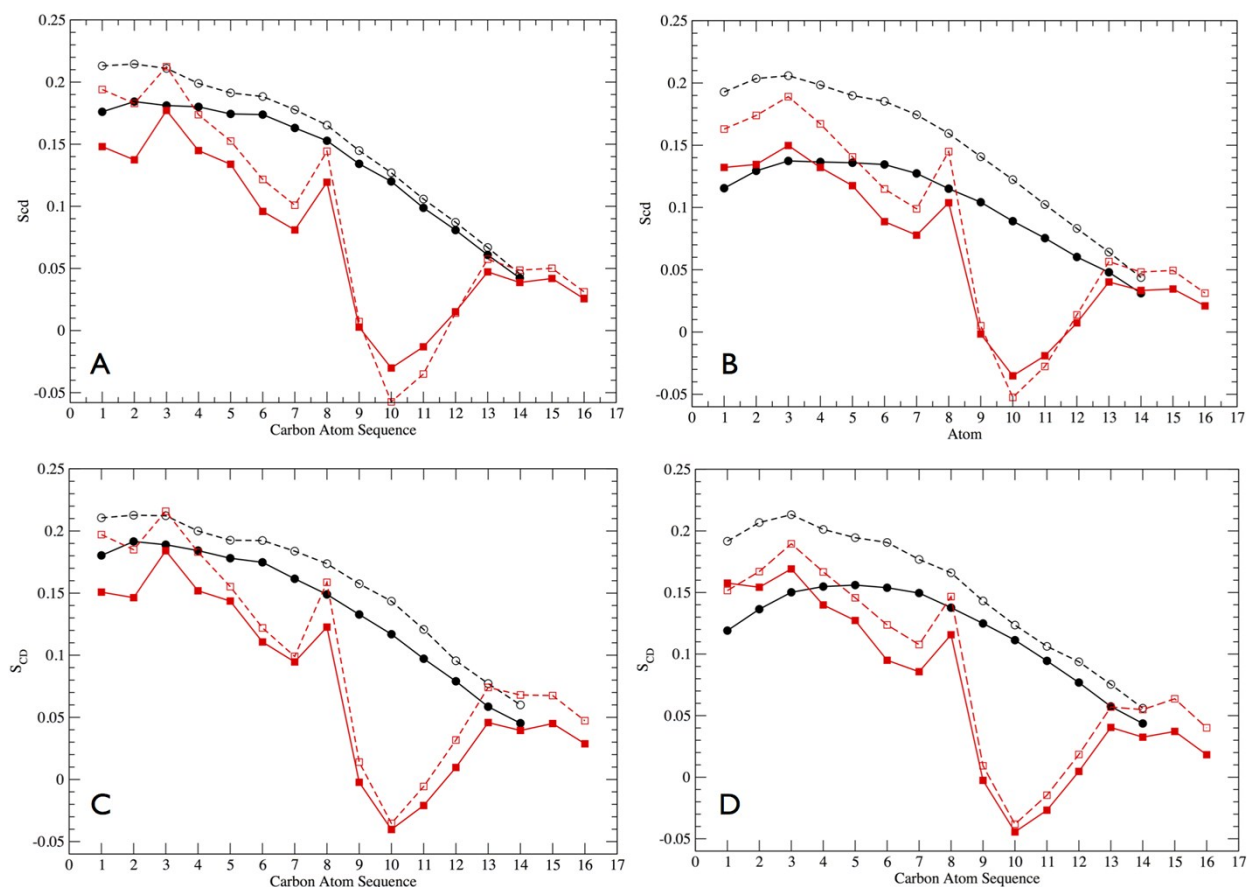


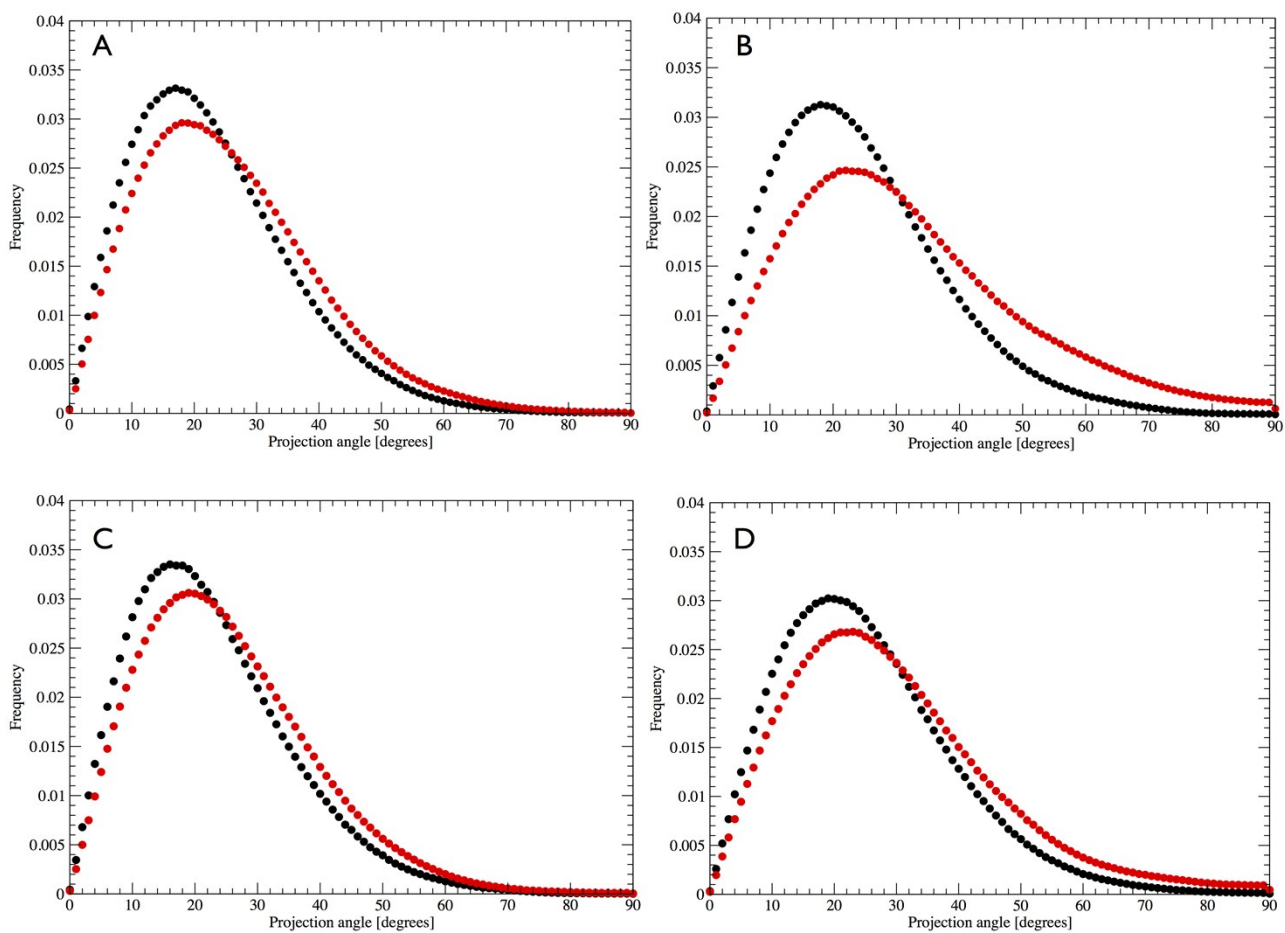
Design, Characterization and Mechanism of Action of a Hybrid Peptide from Pediocin PA-1 and Plantaricin 149

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Supplementary Information



ESI-Fig. 1: Deuterium order parameters S_{CD} from simulated systems averaged over the first and last 10 ns of simulations. A. 100PCe1, B. 100PGe1, C. 100PCe2 and D. 100PGe2. Open circles or squares represent S_{CD} values averaged over the first 10 ns whereas closed circles or squares represent S_{CD} values averaged over the last 10 ns for acyl chains sn1 (black) and sn2 (red).



ESI-Fig. 2: Frequency distribution of lipid tilt angles with respect to the axis normal to the bilayer. A. 100PCe1, B. 100PGe1, C. 100PCe2 and D. 100PGe2. Insets depict the time-dependent behavior of tilt angles for the respective systems. Symbols are closed circles for tilt averaged of the first 10 ns (black) and over the last 10 ns (red).