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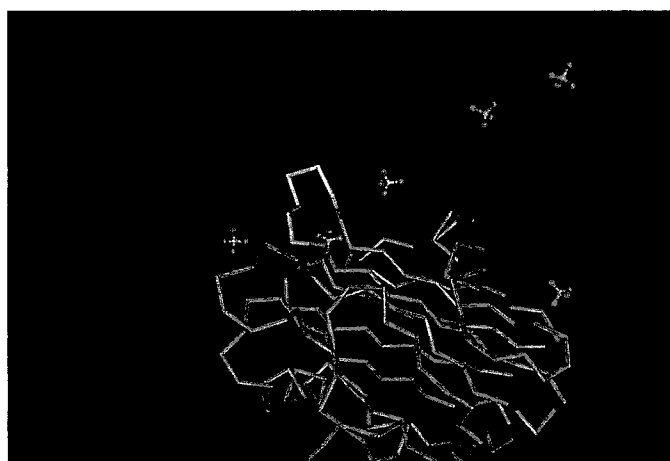
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[Continued on next page]

(54) **Title:** PEPTIDES AND COMPOSITIONS FOR PREVENTION OF CELL ADHESION AND METHODS OF USING SAME



**Figure 1: 1GWY Chain A, Crystal Structure Of The Water-Soluble State Of The Pore-Forming Cytolysin Stichoysin li**

(57) **Abstract:** Compositions comprising an isolated peptide, which may for example optionally comprise a sequence selected from the group consisting of YDYNWY, YDYNLY, FDYNFY, FDYNLY, FDYNWY, YDWNLY, YDWHLY and WDYNLY, extracted from organisms such as aquatic organisms and moss or any other sequence described herein, and methods of using same, including for treatment of or prevention of formation of microbial biofilms and against adhesion of a cell to a surface.



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