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Author <b>Linn Wallér</b>			
Title (English) <b>The origin of the <i>Adhesion</i> family of G-protein coupled receptors – an evolutionary study</b>			
Title (Swedish)			
Abstract <p>The G-protein coupled receptors (GPCRs) involve five families according to the GRAFS-classification system in which the <i>Adhesion</i> family was separated into a group of their own. Potential <i>Adhesion</i> sequences were found and assembled in several evolutionary distant species with the use of BLAST and BLAT. The sequences were subjected to subsequent phylogenetic studies with the intention of elucidating the history of the family. This included neighbor-joining, maximum parsimony and minimum evolution tree construction.</p>			
Keywords <p>Adhesion, GPCR, G-protein coupled receptors, phylogeny, <i>Tetraodon nigroviridis</i>, <i>Dictyostelium discoideum</i>, neighbour-joining, maximum parsimony, minimum evolution, MEGA, PHYLIP</p>			
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