



**Molecular Biotechnology Programme**  
**Uppsala University School of Engineering**

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| Author<br><b>Hillevi Lindroos</b>  |  |  |
| Title (English)<br><b>Development of a visualisation tool for metabolic pathways:<br/>comparisons of genomes and/or gene expression data</b>   |  |  |
| Title (Swedish)  |  |  |
| Abstract<br><p>A tool for comparisons of metabolic pathways in different organisms, and for visualisation of microarray data for enzymes in metabolic pathways, was developed. Enzymes in metabolic pathways are coloured according to their presence or absence in an organism's genome, or according to their expression level in a microarray experiment. Several organisms or microarray experiments can be compared simultaneously. The program was written in Perl and is accessed through a web browser. It was applied to the analysis of data from a microarray experiment with <i>Bartonella henselae</i>.</p> |  |  |
| Keywords<br><p>metabolic pathways, KEGG, microarray, gene expression, genome comparisons, visualisation, Perl, HTML, <i>Bartonella henselae</i></p>  |  |  |
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