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## Profiling biofilms and antibiotic responses

A selection of evaluations from Faculty of 1000 covering the profiling of biofilms and antibiotic responses; seleno proteomics; the identification of nitrilases from uncloned genomes; fish comparative morphology and genetics; the comparison of mass spectrometry algorithms.

***Pseudomonas aeruginosa* biofilms exposed to imipenem exhibit changes in global gene expression and beta-lactamase and alginate production.** Bagge N, Schuster M, Hentzer M, Ciofu O, Givskov M, Greenberg EP, Høiby N. *Antimicrob Agents Chemother* 2004, **48**:1175-1187.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-6-330.asp#Bagge>

## Seleno proteomics

**The prokaryotic selenoproteome.** Kryukov GV, Gladyshev VN. *EMBO Rep* 2004, April 23.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-6-330.asp#Kryukov>

## Nitrilases from uncloned genomes

**Exploring nitrilase sequence space for enantioselective catalysis.** Robertson DE, Chaplin JA, DeSantis G, Podar M, Madden M, Chi E, Richardson T, Milan A, Miller M, Weiner DP, Wong K, McQuaid J, Farwell B, Preston LA, Tan X, Snead MA, Keller M, Mathur E, Kretz PL, Burk MJ, Short JM. *Appl Environ Microbiol* 2004, **70**:2429-2436.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-6-330.asp#Robertson>

# Fish comparative morphology and genetics

**The genetic architecture of parallel armor plate reduction in Threespine Sticklebacks.** Colosimo PF, Peichel CL, Nereng K, Blackman BK, Shapiro MD, Schluter D, Kingsley DM. *PLoS Biol* 2004, **2**:E109.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-6-330.asp#Colosimo>

# Comparing mass spectrometry algorithm

**Evaluation of algorithms for protein identification from sequence databases using mass spectrometry data.** Chamrad DC, Körting G, Stühler K, Meyer HE, Klose J, Blüggel M. *Proteomics* 2004, **4**:619-628.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-6-330.asp#Chamrad>