

BioinformaticsTools@bioacademy.gr

Athanasia Pavlopoulou, Sophia Kossida

Biomedical Research Foundation, Academy of Athens, Athens, Greece

<http://www.bioacademy.gr/bioinformatics/>

We are presenting some selected computational platforms developed in Dr Kossida's laboratory in the Biomedical Research Foundation, Academy of Athens. These in-house developed software tools include: SAFE1 for the analysis of gene fusion events; GIBA2 for detecting protein complexes; Brukin2D3 for 2D visualization and comparison of LC-MS data; GOMir4 for microRNA target analysis and gene ontology clustering.

References

1. Tsagrasoulis D, Danos V, Kissa M, Trimpalis P, Koumandou VL, Karagouni AD, Tsakalidis A, Kossida S. In press. SAFE Software and FED database to uncover protein-protein interactions using gene fusion analysis.
2. Moschopoulos CN, Pavlopoulos GA, Schneider R, Likothanassis SD, Kossida S. 2009. GIBA: a clustering tool for detecting protein complexes. BMC Bioinformatics 10 Suppl 6:S11.
3. Tsagrasoulis D, Zerefos P, Loudos G, Vlahou A, Baumann M, Kossida S. 2009. 'Brukin2D': a 2D visualization and comparison tool for LC-MS data. BMC Bioinformatics 10 Suppl 6:S12.
4. Roubelakis MG, Zotos P, Papachristoudis G, Michalopoulos I, Pappa KI, Anagnou NP, Kossida S. 2009. Human microRNA target analysis and gene ontology clustering by GOMir, a novel stand-alone application. BMC Bioinformatics 10 Suppl 6:S20

Relevant Web sites

5. <http://www.bioacademy.gr/bioinformatics/projects/ProteinFusion/index.htm>
6. <http://www.bioacademy.gr/bioinformatics/projects/GIBA/>
7. <http://www.bioacademy.gr/bioinformatics/Brukin2d/index.html>
8. http://www.bioacademy.gr/bioinformatics/projects/GOMir/bioinformatics_home.htm