The de.NBI project de.STAIR 2 – Regulatory RNA and Data

*The de.STAIR 2 project at Freiburg University deals with specific aspects of the workflow design, its technical integration and pre-processing. De.STAIR 2 offers services for the analysis of complex RNA-Seq datasets, the development, benchmarking and accommodation of novel analysis methods with the Galaxy and RBC workbench, the integration of results into the regulatory context and contributes to the community trainings.*

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| Wolfgang R. Hess, Project leader  *Freiburg University*  [*wolfgang.hess@biologie.uni-freiburg.de*](mailto:wolfgang.hess@biologie.uni-freiburg.de) | Steffen Lott, Project coworker  *Freiburg University*  [*steffen.lott@biologie.uni-freiburg.de*](mailto:steffen.lott@biologie.uni-freiburg.de) |

**Collection of tools and services offered by de.STAIR 2:**

**GLASSgo** – GLASSgo stands for Global Automatic SRNA Search go. It takes only one sRNA into account and returns possible homologous sequences.

**CopraRNA** – By using a set of sRNA homologs (coming, e.g., from GLASSgo), CopraRNA tries to predict the corresponding targets within a given genome.

**CoVennTree** – With high dimensional datasets coming from metatranscriptomic experiments, traditional visualization tools cannot handle these in a proper way. CoVennTree fills this gap and allows a comparing up to three data sets at the same time.

**Galaxy workflow** – preprocessing of metatransciptomic data.

**Galaxy workflow** – advanced analysis and visualization of metatranscriptomic data.

**Galaxy workflow** - sRNA analysis.

**Training** – workshops will take place in collaboration with all de.STAIRS partners and the RBC 1 and RBC 3&4 groups.