GrAPPA is an acronym for Graph Algorithms Pipeline for Pathway Analysis. GrAPPA is a web-based interface constructed on the Galaxy framework for graph theoretical tools developed at the Langston Lab at the University of Tennessee. GrAPPA contains novel combinatorial methods integrated into a complete microarray analysis toolchain, from uploading raw high-throughput data to visualization of results.

Efforts to increase GrAPPA’s functionality are underway. Features now being incorporated include:

- a larger repertoire of pre-processing options, including Gaussian graphical models and an expanded set of correlation metrics such as mutual information
- more powerful post-processing capabilities, for example, software tools for Bayesian analysis
- links to related web-centric resources, including GeneNetwork and GeneWeaver, so that users can seamlessly transfer data and results

Suggestions and feedback from the user community are encouraged. For more information, please communicate with Charles Phillips. Production assistant is Allan Lu.