Stages of the piquant pipeline

1. Simulation
   piquant uses the Flux Simulator [1] RNA-seq experiment simulator to generate sets of RNA-Seq data.

2. Quantification
   For each set of RNA-Seq data, simulated reads are mapped to the genome or transcriptome, and transcript quantification tools estimate transcript abundances.

3. Analysis
   For each set of RNA-Seq data and each quantification tool, estimated transcript abundances are compared with the ground truth values for accuracy, and a rich collection of statistics and graphs are automatically generated.

References
2. Kim et al., Genome Biology, 14:R36 (2013).
4. Langmead et al., Genome Biology, 10:R25 (2009).

Links
piquant code repository
piquant documentation
Simpson group site
https://github.com/lweasel/piquant
http://www.iansimpson.me