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JGI Portfolio

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Authors

Rio, Tijana Glavina del
Lucas, Susan M.
Copeland, Alex
et al.

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JGI Portfolio

Tijana Glavina del Rio, Susan M, Lucas, Alex Copeland, Kerrie Barry, Paul Richardson, Miranda Harmon-Smith, Eileen Dalin, Hope Tice, Harris Shapiro, Jasmyn Pangilinan, David Bruce, Alla Lapidus, Daniel Rokhsar, Darren Platt, Jim Bristow and the JGI Sequencing Team

U. S. DOE Joint Genome Institute, Walnut Creek, CA 94598

The Department of Energy's (DOE) Joint Genome Institute (JGI) is one of the major publicly funded high throughput sequencing centers. The current capacity of the Production Genomics Facility (PGF) in Walnut Creek, California is approximately three billion bases per month and this year will generate up to 50 million lanes. JGI sequencing projects are initiated through several programs (<http://www.jgi.doe.gov/programs/index.html>). The two main programs for peer review of genome project proposals are the Community Sequencing Program (CSP) and the DOE Microbial Program. This year, the JGI processed a collection of DOE mission relevant sequencing projects ranging from prokaryotes to eukaryotes as well as several microbial communities. Data is released publicly on the JGI website and deposited in Genbank for all projects. An array of quality control measures and metrics has been put in place to evaluate projects prior to large scale sequencing to ensure efficient and timely completion of projects. This poster will present a menu of current JGI sequencing projects and describe the process of how projects are scheduled through the sequencing line, tracked and assessed for quality.

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