

## **JGI: Genomic Resources for Advancing Environmental System Science**

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BER Program: Scientific User Facility

Project: JGI

Project Website: <https://jgi.doe.gov/>

As a User Facility, in fiscal year 2018 the JGI served a worldwide community of 1,882 users from academia, government, and industry generating more than 178 trillion nucleotides of genome-sequence data from microbes and microbial communities, fungi, algae, and plants. In support of these projects, JGI produced 53 plant genome annotations and 2,190 resequenced plant genomes, 222 annotated fungal genomes and 2,557 microbial genomes (including single-cells), as well as 1,898 metagenomic data sets. As we continue to advance our functional genomics, we generated 2,994 plant transcriptomic and 692 metatranscriptomic datasets. In total this led the JGI to produce a record sequencing output of 225 trillion bases of sequence data in FY18.

The JGI generated 232 publications in peer-reviewed journals. In addition, data from sequencing projects are disseminated to the broader scientific community via the JGI's data portals. There were more than 11,000 new data users in FY18.