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In silico QC of JGI Micorbial Sequencing

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In silico QC of JGI Microbial Sequencing

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We provide an overview of the Joint Genome Institutes Microbial Sequencing projects with an emphasis on the implementation of two in silico quality control points for whole genome shotgun sequencing projects. In the first, end sequences from approximately 4000 clones are sequenced, and the quality of the libraries and the starting DNA is assessed prior to further sequencing. The second quality check involves employing a rapid and largely automated protocol that removes low quality and likely contamination from our projects prior to finishing. These two quality control steps insure that we are sequencing the genome of interest to the desired depth, and improve the efficiency of finishing microbial genomes.
