

Resource Summary Report

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Heat fragmented genomic DNA before Illumina library preparation for sequencing GC rich fraction of heterogeneous genome

DOI:10.17504/protocols.io.jxicpke

Type: Protocol

Proper Citation

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.jxicpke>

Authors: Marie-Ka Tilak

Summary: This protocol was developed with the aim of sequencing the GC rich part of heterogeneous genomes with the Illumina technology. To this aim, fragmented genomic DNA is denaturized up to 90°C before library preparation. This procedure enriches the library in GC-rich fragments and leads to a substantial increase in average GC content of sequence reads.

Associated Publications: Tilak M, Botero-Castro F, Galtier N, Nabholz B, Illumina Library Preparation for Sequencing the GC-Rich Fraction of Heterogeneous Genomic DNA. Genome Biology and Evolution 10(2). doi: [10.1093/gbe/evy022](https://doi.org/10.1093/gbe/evy022)

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