

Experimental procedures of Metagenomic sequencing

1 Sample Quality Control

Please refer to QC report for methods of sample quality control.

2 Library Construction, Quality Control and Sequencing

The genomic DNA was randomly sheared into short fragments. The obtained fragments were end repaired, A-tailed and further ligated with Illumina adapter. The fragments with adapters were PCR amplified, size selected, and purified.

The library was checked with Qubit and real-time PCR for quantification and bioanalyzer for size distribution detection. Quantified libraries will be pooled and sequenced on Illumina platforms, according to effective library concentration and data amount required.