

Resource Summary Report

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Library preparation protocol to sequence V3-V4 region of 16S rRNA to run in Illumina MiSeq platform

DOI:10.17504/protocols.io.6i7hchn

Type: Protocol

Proper Citation

Somasundhari Shanmuganandam, Benjamin Schwessinger, Robyn Hall 2019. Library preparation protocol to sequence V3-V4 region of 16S rRNA to run in Illumina MiSeq platform. protocols.io dx.doi.org/10.17504/protocols.io.6i7hchn

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.6i7hchn>

Authors: Somasundhari Shanmuganandam, Benjamin Schwessinger, Robyn Hall

Group: Team Schwessinger

Summary: This is an optimised protocol for 16S library preparation of V3-V4 region for sequencing through Illumina MiSeq platform (2 x 300 bp V3 chemistry). This protocol uses Platinum™ SuperFi™ PCR Master Mix instead of 2x KAPA HiFi HotStart ReadyMix given in Illumina 16S protocol. This polymerase master mix has lower error rate than KAPA, making it more suitable for sequencing.

Affiliations: Australian National University, Australian National University, CSIRO Health & Biosecurity; Centre for Invasive Species Solutions

Version: 1

Publication Date: 2019

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