

Protocol: Quantifying species abundance using 16S Sanger Sequencing and CASEU

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1 Culture collection

1.1 Overview

This section describes collecting cultures for which you wish to quantify species abundances. In addition to any experimental mixtures, pure cultures of community members are needed for the analysis.

1.2 Materials

1. Liquid culture of a mixed microbial composition
2. Pure, liquid cultures for each component of the mixed community
3. 2-mL microcentrifuge tubes

1.3 Method

1. In a 2-mL microcentrifuge tube, Collect 1 ODmL of liquid culture for all mixtures and pure cultures.
2. Spin-down and remove supernatant.
3. Either store pellets at -20°C , or continue to [gDNA Isolation](#).

2 gDNA Isolation

2.1 Overview

This section describes how to isolate gDNA to be used for 16S rDNA amplification. These steps are for the QIAGEN kit. If you happen use a different kit, please follow their instructions, and then proceed to [16S rDNA Amplification](#).

2.2 Materials

2.3 Method

3 16S rDNA Amplification

References