**S1 Table. Theoretical ratios and SSU rRNA quantities utilized in different mock communities**

**for each isolate.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Mock 1** | **Mock 2** | **Mock 3** |
|  | **Ratios** | **1a** | **2b** | **Ratios** | **1**  | **2**  | **Ratios** | **1**  | **2**  |
| ***B.subtilis*** | 0.1 | 0.1 | 0.1 | 1 | 2 | 3 | 10 | 10 | 10 |
| ***C.caeni*** | 10 | 10 | 10 | 1 | 2 | 3 | 0.1 | 0.1 | 0.1 |
| ***E.coli*** | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 |
| ***H.halobium*** | 0.1 | 0.1 | 0.1 | 1 | 2 | 3 | 10 | 10 | 10 |
| ***P.pastoris*** | 10 | 10 | 10 | 1 | 2 | 3 | 0.1 | 0.1 | 0.1 |
| **Total quantity (ng)** |  | 21.2 | 21.2 |  | 10.0 | 15 |  | 21.2 | 21.2 |

a Quantity of SSU rRNA that was utilized for library construction without RNA denaturation

prior to adaptor ligation.

b Quantity of SSU rRNA that was utilized for library construction with RNA denaturation prior

to adaptor ligation.