**S1 Table. Sequencing statistics and diversity estimates**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample ID |  | Bacteria |  |  | Fungi |
| Valid reads | Normalized reads | No. of OTUs | Chao1 estimated | Shannon index |  | Valid reads | Normalized reads | No. of OTUs | Chao1 estimated | Shannon index |
| A1-In | 7,359 | 3,000  | 579  | 1,178  | 4.65  |  | 7,339 | 2,000 | 512 | 1,076 | 5.09 |
| A2-In | 7,268 | 3,000  | 530  | 1,041  | 4.58  |  | 5,321 | 2,000 | 504 | 1,159 | 5.06 |
| B1-In | 4,489 | 3,000  | 649  | 1,223  | 5.01  |  | 5,242 | 2,000 | 475 | 973 | 4.96 |
| B2-In | 4,189 | 3,000  | 750  | 1,291  | 5.30  |  | 5,049 | 2,000 | 417 | 960 | 4.54 |
| C1-In | 8,185 | 3,000  | 638  | 1,634  | 4.74  |  | 4,876 | 2,000 | 460 | 1,170 | 4.70 |
| C2-In | 1,680 | 1,559  | 449  | 697  | 5.24  |  | 8,256 | 2,000 | 381 | 875 | 3.89 |
| D1-In | 531 | 528  | 189  | 348  | 4.51  |  | 8,604 | 2,000 | 313 | 786 | 3.38 |
| D2-In | 4,301 | 3,000  | 529  | 967  | 4.56  |  | 4,777 | 2,000 | 690 | 1,739 | 5.60 |
| E1-In | 10,771 | 3,000  | 744  | 1,687  | 5.21  |  | 2,465 | 2,000 | 429 | 984 | 4.61 |
| E2-In | 11,390 | 3,000  | 556  | 1,298  | 4.61  |  | 2,013 | 2,000 | 574 | 1,223 | 4.98 |
| F1-In | 1,774 | 1,655  | 401  | 622  | 4.81  |  | 4,227 | 2,000 | 580 | 1,298 | 5.26 |
| F2-In | 2,872 | 2,630  | 653  | 1,071  | 5.23  |  | 1,955 | 2,000 | 417 | 1,054 | 5.27 |
| F3-In | 552 | 509  | 210  | 334  | 4.75  |  | 4,324 | 2,000 | 677 | 1,641 | 5.62 |
| G1-In | 1,857 | 1,765  | 609  | 1,021  | 5.78  |  | 3,006 | 2,000 | 600 | 1,346 | 5.38 |
| G2-In | 3,180 | 3,000  | 888  | 1,442  | 6.02  |  | 6,730 | 1,000 | 463 | 950 | 5.07 |
| G3-In | 1,158 | 1,168  | 370  | 647  | 5.04  |  | 2,205 | 2,000 | 565 | 1,030 | 5.55 |
| H1-In | 7,116 | 3,000  | 998  | 1,924  | 5.75  |  | 3,159 | 2,000 | 712 | 1,819 | 5.49 |
| H2-In | 7,800 | 3,000  | 902  | 1,794  | 5.64  |  | 990 | 500 | 232 | 571 | 4.73 |
| H3-In | 6,538 | 3,000  | 905  | 1,590  | 5.65  |  | 422 | 200 | 113 | 271 | 4.41 |
| I1-In | 4,951 | 3,000  | 1,077  | 2,047  | 6.18  |  | 952 | 500 | 151 | 326 | 4.51 |
| I2-In | 12,087 | 3,000  | 884  | 2,167  | 5.42  |  | 780 | 350 | 271 | 497 | 4.82 |
| I3-In | 1,181 | 1,126  | 454  | 835  | 5.54  |  | 3,726 | 2,000 | 595 | 1,273 | 5.07 |
| J1-In | 3,634 | 3,000  | 956  | 1,617  | 5.80  |  | 5,173 | 2,000 | 464 | 1,148 | 4.43 |
| J2-In | 4,673 | 3,000  | 887  | 1,771  | 5.35  |  | 3,517 | 2,000 | 439 | 1,182 | 4.28 |
| J3-In | 5,750 | 3,000  | 759  | 1,405  | 5.24  |  | 1,638 | 800 | 171 | 377 | 3.39 |

 **S1 Table. Continued.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample ID |  | Bacteria |  |  | Fungi |
| Valid reads | Normalized reads | No. of OTUs | Chao1 estimated | Shannon index |  | Valid reads | Normalized reads | No. of OTUs | Chao1 estimated | Shannon index |
| A1-Out | 6,164 | 3,000  | 883  | 1,413  | 6.00  |  | 4,299 | 2,000 | 330 | 860 | 3.64 |
| A2-Out | 3,344 | 2,943 | 938  | 1,531  | 6.09  |  | 4,818 | 2,000 | 285 | 800 | 3.13 |
| B1-Out | 2,337 | 2,238 | 673  | 1,059  | 5.78  |  | 4,389 | 2,000 | 477 | 963 | 5.13 |
| B2-Out | 3,414 | 3,000 | 768  | 1,293  | 5.77  |  | 1,501 | 700 | 225 | 507 | 4.53 |
| C1-Out | 4,314 | 3,000 | 959  | 1,553  | 6.26  |  | 5,984 | 2,000 | 480 | 996 | 5.00 |
| C2-Out | 2,449 | 2,182 | 455  | 730  | 5.31  |  | 4,853 | 2,000 | 333 | 777 | 3.65 |
| D1-Out | 474 | 453 | 106  | 172  | 3.90  |  | 2,907 | 2,000 | 309 | 792 | 3.56 |
| D2-Out | 2,213 | 1,917 | 264  | 420  | 4.68  |  | 4,617 | 2,000 | 491 | 1,187 | 5.08 |
| E1-Out | 5,293 | 3,000 | 943  | 1,546  | 6.02  |  | 7,909 | 2,000 | 416 | 926 | 4.48 |
| E2-Out | 5,860 | 2,794 | 820  | 1,338  | 5.93  |  | 2,280 | 2,000 | 478 | 1,120 | 4.82 |
| F1-Out | 7,478 | 3,000 | 650  | 1,359  | 4.79  |  | 2,412 | 2,000 | 459 | 1,364 | 4.57 |
| F2-Out | 23,170 | 3,000 | 584  | 1,761  | 4.02  |  | 1,268 | 600 | 253 | 632 | 4.91 |
| F3-Out | 8,507 | 3,000 | 823  | 1,742  | 5.28  |  | 5,214 | 2,000 | 612 | 1,323 | 5.46 |
| G1-Out | 3,388 | 2,506 | 603  | 950  | 5.63  |  | 2,861 | 2,000 | 483 | 896 | 4.92 |
| G2-Out | 3,908 | 3,000 | 411  | 679  | 4.67  |  | 5,680 | 2,000 | 489 | 1,121 | 4.91 |
| G3-Out | 2,651 | 2,516 | 662  | 1,049  | 5.69  |  | 1,638 | 800 | 258 | 437 | 4.92 |
| H1-Out | 4,731 | 3,000 | 1,109  | 1,780  | 6.48  |  | 1,175 | 500 | 199 | 428 | 4.62 |
| H2-Out | 6,984 | 3,000 | 1,448  | 3,563  | 6.59  |  | 2,939 | 2,000 | 450 | 921 | 4.88 |
| H3-Out | 5,910 | 3,000 | 1,584  | 4,055  | 6.94  |  | 5,699 | 2,000 | 454 | 925 | 4.51 |
| I1-Out | 4,871 | 3,000 | 1,097  | 2,166  | 6.36  |  | 2,381 | 2,000 | 327 | 693 | 3.62 |
| I2-Out | 5,044 | 3,000 | 1,096  | 1,899  | 6.40  |  | 4,140 | 2,000 | 462 | 807 | 5.14 |
| I3-Out | 5,584 | 3,000 | 879  | 1,530  | 6.04  |  | 2,861 | 2,000 | 485 | 1,009 | 4.40 |
| J1-Out | 3,940 | 3,000 | 757  | 1,242  | 5.74  |  | 5,395 | 2,000 | 469 | 1,189 | 4.67 |
| J2-Out | 4,572 | 3,000 | 839  | 1,705  | 5.11  |  | 6,395 | 2,000 | 461 | 1,098 | 4.56 |
| J3-Out | 2,885 | 2,820 | 647  | 924 | 5.49  |  | 4,731 | 2,000 | 379 | 751 | 4.07 |