**Supplementary Table S3:** Species number, total cell abundance, and alpha diversity measurements per sample.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample Code** | **Species Number (*S*)** | **Cell abundance (mL-1)** | **Simpson (1-*D*)** | **Shannon (*H*)** | **Equitability (*H/Hmax*)** | **Evenness (*eH/S*)** | **Berger-Parker (*BP*)** |
| 15MarWT | 35 | 434 | 0.88 | 2.39 | 0.67 | 0.31 | 0.18 |
| 22MarWT | 24 | 3250 | 0.10 | 0.10 | 0.10 | 0.04 | 1.00 |
| 29MarWT | 36 | 3047 | 0.84 | 2.18 | 0.61 | 0.25 | 0.27 |
| 05AprWT | 26 | 7217 | 0.43 | 0.93 | 0.29 | 0.10 | 0.73 |
| 12AprWT | 34 | 4450 | 0.87 | 2.46 | 0.70 | 0.34 | 0.24 |
| 12AprAR | 29 | 651 | 0.85 | 2.23 | 0.66 | 0.32 | 0.27 |
| 12AprMH | 29 | 1080 | 0.84 | 2.14 | 0.64 | 0.29 | 0.25 |
| 12AprHB | 33 | 2759 | 0.85 | 2.32 | 0.66 | 0.31 | 0.25 |
| 19AprWT | 24 | 3654 | 0.68 | 1.64 | 0.51 | 0.21 | 0.52 |
| 26AprWT | 38 | 1708 | 0.87 | 2.44 | 0.67 | 0.30 | 0.24 |
| 03MayWT | 41 | 2542 | 0.74 | 1.88 | 0.51 | 0.16 | 0.46 |
| 09MayWT | 31 | 2607 | 0.72 | 1.81 | 0.53 | 0.20 | 0.46 |
| 09MayAR | 27 | 1127 | 0.71 | 1.78 | 0.54 | 0.22 | 0.48 |
| 09MayMH | 24 | 424 | 0.63 | 1.42 | 0.45 | 0.17 | 0.54 |
| 09MayHB | 29 | 763 | 0.65 | 1.58 | 0.47 | 0.17 | 0.56 |
| 17MayWT | 28 | 1870 | 0.83 | 2.18 | 0.65 | 0.32 | 0.30 |
| 24MayWT | 33 | 11217 | 0.59 | 1.41 | 0.40 | 0.12 | 0.61 |
| 31MayWT | 27 | 29743 | 0.22 | 0.59 | 0.18 | 0.07 | 0.88 |
| 07JunWT | 31 | 1967 | 0.68 | 1.69 | 0.49 | 0.17 | 0.53 |
| 07JunAR | 28 | 892 | 0.79 | 1.93 | 0.58 | 0.25 | 0.35 |
| 07JunMH | 33 | 716 | 0.88 | 2.44 | 0.70 | 0.35 | 0.20 |
| 07JunHB | 30 | 779 | 0.73 | 1.94 | 0.57 | 0.23 | 0.48 |
| 14JunWT | 34 | 2522 | 0.85 | 2.26 | 0.64 | 0.28 | 0.26 |
| 21JunWT | 32 | 1608 | 0.84 | 2.20 | 0.63 | 0.28 | 0.31 |
| 28JunWT | 34 | 6562 | 0.85 | 2.18 | 0.62 | 0.26 | 0.29 |
| 28JunAR | 26 | 2160 | 0.73 | 1.63 | 0.50 | 0.20 | 0.40 |
| 28JunMH | 30 | 906 | 0.78 | 1.97 | 0.58 | 0.24 | 0.41 |
| 28JunHB | 36 | 2635 | 0.85 | 2.16 | 0.60 | 0.24 | 0.22 |
| 04JulWT | 33 | 444 | 0.84 | 2.24 | 0.64 | 0.28 | 0.32 |
| 12JulWT | 40 | 3333 | 0.81 | 2.06 | 0.56 | 0.20 | 0.35 |
| 19JulWT | 46 | 42551 | 0.60 | 1.50 | 0.39 | 0.10 | 0.60 |
| 26JulWT | 37 | 4079 | 0.68 | 1.77 | 0.49 | 0.16 | 0.53 |
| 26JulAR | 38 | 1456 | 0.85 | 2.26 | 0.62 | 0.25 | 0.27 |
| 26JulMH | 33 | 1908 | 0.80 | 2.13 | 0.61 | 0.26 | 0.39 |
| 26JulHB | 37 | 1827 | 0.84 | 2.24 | 0.62 | 0.25 | 0.31 |
| 02AugWT | 40 | 1514 | 0.84 | 2.08 | 0.56 | 0.20 | 0.21 |
| 09AugWT | 26 | 1292 | 0.81 | 1.97 | 0.61 | 0.28 | 0.34 |
| 23AugWT | 40 | 2816 | 0.87 | 2.29 | 0.62 | 0.25 | 0.20 |
| 23AugAR | 41 | 959 | 0.87 | 2.45 | 0.66 | 0.28 | 0.26 |
| 23AugMH | 29 | 1280 | 0.81 | 2.07 | 0.61 | 0.27 | 0.36 |
| 23AugHB | 38 | 1352 | 0.86 | 2.32 | 0.64 | 0.27 | 0.26 |
| 30AugWT | 33 | 5131 | 0.89 | 2.43 | 0.70 | 0.34 | 0.19 |
| 06SepWT | 37 | 2143 | 0.86 | 2.33 | 0.65 | 0.28 | 0.27 |
| 13SepWT | 41 | 4269 | 0.80 | 2.06 | 0.55 | 0.19 | 0.37 |
| 20SepWT | 34 | 4782 | 0.79 | 1.97 | 0.56 | 0.21 | 0.38 |
| 20SepAR | 30 | 2379 | 0.89 | 2.42 | 0.71 | 0.38 | 0.17 |
| 20SepMH | 38 | 1706 | 0.88 | 2.42 | 0.67 | 0.30 | 0.20 |
| 20SepHB | 35 | 2323 | 0.82 | 2.02 | 0.57 | 0.22 | 0.27 |
| 27SepWT | 43 | 2041 | 0.80 | 2.15 | 0.57 | 0.20 | 0.39 |
| 04OctWT | 33 | 937 | 0.67 | 1.63 | 0.47 | 0.15 | 0.51 |
| 11OctWT | 44 | 1057 | 0.83 | 2.28 | 0.60 | 0.22 | 0.32 |

**Table (continued):**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample Code** | **Species Number (*S*)** | **Cell abundance (mL-1)** | **Simpson (1-*D*)** | **Shannon (*H*)** | **Equitability (*H/Hmax*)** | **Evenness (*eH/S*)** | **Berger-Parker (*BP*)** |
| 18OctWT | 47 | 2026 | 0.79 | 2.03 | 0.53 | 0.16 | 0.37 |
| 18OctAR | 34 | 3921 | 0.29 | 0.80 | 0.23 | 0.07 | 0.84 |
| 18OctMH | 39 | 1724 | 0.73 | 1.79 | 0.49 | 0.15 | 0.47 |
| 18OctHB | 44 | 2703 | 0.87 | 2.43 | 0.64 | 0.26 | 0.21 |
| 18OctWT | 53 | 1659 | 0.88 | 2.52 | 0.63 | 0.23 | 0.21 |
| 01NovWT | 29 | 1200 | 0.70 | 1.61 | 0.48 | 0.17 | 0.45 |
| 08NovWT | 57 | 1727 | 0.84 | 2.30 | 0.57 | 0.17 | 0.28 |
| 15NovWT | 39 | 5472 | 0.78 | 1.84 | 0.50 | 0.16 | 0.36 |
| 15NovAR | 33 | 2420 | 0.63 | 1.46 | 0.42 | 0.13 | 0.57 |
| 15NovMH | 30 | 1439 | 0.71 | 1.71 | 0.50 | 0.18 | 0.48 |
| 15NovHB | 36 | 6855 | 0.56 | 1.46 | 0.41 | 0.12 | 0.64 |
| 22NovWT | 43 | 835 | 0.83 | 2.10 | 0.56 | 0.19 | 0.27 |
| 29NovWT | 33 | 898 | 0.78 | 1.94 | 0.56 | 0.21 | 0.38 |
| 06DecWT | 44 | 1102 | 0.89 | 2.49 | 0.66 | 0.27 | 0.19 |
| 13DecWT | 52 | 1225 | 0.82 | 2.35 | 0.59 | 0.20 | 0.35 |
| 13DecAR | 45 | 1357 | 0.68 | 1.76 | 0.46 | 0.13 | 0.54 |
| 13DecMH | 36 | 887 | 0.83 | 2.14 | 0.60 | 0.24 | 0.27 |
| 13DecHB | 38 | 728 | 0.83 | 2.30 | 0.63 | 0.26 | 0.34 |
| 19DecWT | 49 | 1031 | 0.83 | 2.29 | 0.59 | 0.20 | 0.33 |
| 27DecWT | 45 | 575 | 0.87 | 2.52 | 0.66 | 0.28 | 0.27 |
| 03JanWT | 54 | 3138 | 0.90 | 2.75 | 0.69 | 0.29 | 0.22 |
| 10JanWT | 57 | 3245 | 0.92 | 2.87 | 0.71 | 0.31 | 0.13 |
| 10JanAR | 50 | 1430 | 0.89 | 2.54 | 0.65 | 0.25 | 0.21 |
| 10JanMH | 52 | 1597 | 0.89 | 2.56 | 0.65 | 0.25 | 0.17 |
| 10JanHB | 55 | 6325 | 0.90 | 2.65 | 0.66 | 0.26 | 0.19 |
| 17JanWT | 44 | 1960 | 0.88 | 2.43 | 0.64 | 0.26 | 0.19 |
| 24JanWT | 40 | 1920 | 0.87 | 2.36 | 0.64 | 0.27 | 0.22 |
| 31JanWT | 46 | 1904 | 0.87 | 2.50 | 0.65 | 0.26 | 0.23 |
| 06FebWT | 52 | 5391 | 0.73 | 1.84 | 0.47 | 0.12 | 0.40 |
| 06FebAR | 51 | 2942 | 0.73 | 1.85 | 0.47 | 0.13 | 0.46 |
| 06FebMH | 48 | 3149 | 0.82 | 2.12 | 0.55 | 0.17 | 0.32 |
| 06FebHB | 53 | 4309 | 0.88 | 2.46 | 0.62 | 0.22 | 0.22 |