

| | Average de novo OTUs (10K sequences per sample) | SD de novo OTUs (10K sequences per sample) | Average Reference OTUs (10k sequences per sample) | SD Reference OTUs (10k sequences per sample) | % novel diversity (10k seqs per sample) | % error novel diversity (10K seqs per sample) | number of samples |
|--|--|---|--|---|---|--|----------------------|
| EnvironmentalBiome | | | | | | | |
| mangrove biome | 2169 | 1159 | 354 | 73 | 0.86 | 0.46 | 7 |
| tropical humid forests | 2398 | 260 | 397 | 35 | 0.858 | 0.094 | 26 |
| tundra biome | 1771 | 403 | 312 | 117 | 0.85 | 0.201 | 110 |
| deserts and xeric shrubland biome | 3917 | 127 | 707 | 15 | 0.847 | 0.028 | 7 |
| taiga | 2598 | 102 | 505 | 35 | 0.837 | 0.035 | 4 |
| marine biome | 2040 | 1048 | 484 | 410 | 0.808 | 0.446 | 890 |
| aquatic biome | 714 | 299 | 177 | 199 | 0.801 | 0.403 | 762 |
| freshwater biome | 768 | 541 | 194 | 120 | 0.798 | 0.576 | 375 |
| warm deserts and semideserts | 2386 | 473 | 607 | 147 | 0.797 | 0.166 | 97 |
| tropical and subtropical moist broadleaf forest biome | 3072 | 125 | 846 | 18 | 0.784 | 0.032 | 2 |
| temperate needle-leaf forests or woodlands | 2836 | 159 | 785 | 132 | 0.783 | 0.057 | 21 |
| polar biome | 1721 | 886 | 483 | 218 | 0.781 | 0.414 | 277 |
| tropical and subtropical coniferous forest biome | 1993 | 256 | 579 | 94 | 0.775 | 0.106 | 3 |
| mixed island systems | 1552 | 618 | 511 | 203 | 0.752 | 0.315 | 124 |
| marginal sea | 1795 | 325 | 611 | 225 | 0.746 | 0.164 | 7 |
| temperate coniferous forest biome | 2504 | 1206 | 885 | 201 | 0.739 | 0.361 | 19 |
| mediterranean forests, woodlands, and shrub biome | 695 | 361 | 275 | 195 | 0.717 | 0.424 | 371 |
| large river biome | 1844 | 629 | 743 | 369 | 0.713 | 0.282 | 5 |
| terrestrial biome | 2714 | 222 | 1138 | 163 | 0.705 | 0.072 | 627 |
| nest of bird | 821 | 276 | 355 | 138 | 0.698 | 0.262 | 313 |
| Temperate broadleaf and mixed forest biome | 1910 | 491 | 879 | 235 | 0.685 | 0.195 | 14 |
| temperate grasslands | 2745 | 290 | 1315 | 164 | 0.676 | 0.082 | 696 |
| animal-associated habitat | 758 | 329 | 376 | 240 | 0.668 | 0.359 | 1036 |
| mammalia-associated habitat | 973 | 357 | 583 | 222 | 0.625 | 0.27 | 1918 |
| Cold-winter (continental) deserts and semideserts | 847 | 210 | 551 | 215 | 0.606 | 0.215 | 102 |
| Temperate grasslands, savannas, and shrubland biome | 1688 | 272 | 1497 | 275 | 0.53 | 0.121 | 85 |
| human-associated habitat | 292 | 242 | 590 | 366 | 0.331 | 0.498 | 1597 |