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| **Table S4.** Mantel tests measure the correlation between geographic distance and microbial community dissimilarity for Scaevola taccada surface microbes. Sample sites occur as 10 locations spanning 60 km on the island of Oahu, HI. Mantel’s statistic measure Pearson’s product-moment correlation with 999 permutations. Significant values indicating a relationship between spatial distance and community dissimilarity are bolded. In this analysis all samples were included from the intensively sampled Kailua site. Above-ground refers to all plant parts, whereas belowground refers to rhizospere and soil. |
| Plant Part | r-value | p-value | *n* |
| All plant parts | 0.02711 | 0.235 | 86 |
| Above-ground | 0.02606 | 0.334 | 56 |
| Below-ground | 0.2716 | **0.005** | 30 |
| Soil | 0.117 | 0.159 | 17 |