A comparison of a root architecture

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**Figure 1.** Linear regression plots between root architecture, and rhizosphere bacterial richness (A) and evenness (B). Plotted linear regression line showing the regression slope and grey shading representing ± 1 standard error of the linear regression between root trait (predictor X variable) and alpha diversity metric (response Y variable). We found a significant negative relationship between root architecture as a modular trait (PC2, *i.e.,* collective increase in root tissue angle traits, horizontal/vertical distribution, root system width and root system length) and Species richness (*R*2 = 0.26, 𝛣 = -5.73 ± 2.22, *P* = 0.01; Table 1), and a significant positive relationship with Species evenness (*R*2 = 0.20, 𝛣 = 7.25 e-05 ± 3.19 e-05, *P* = 0.027; Table 1).