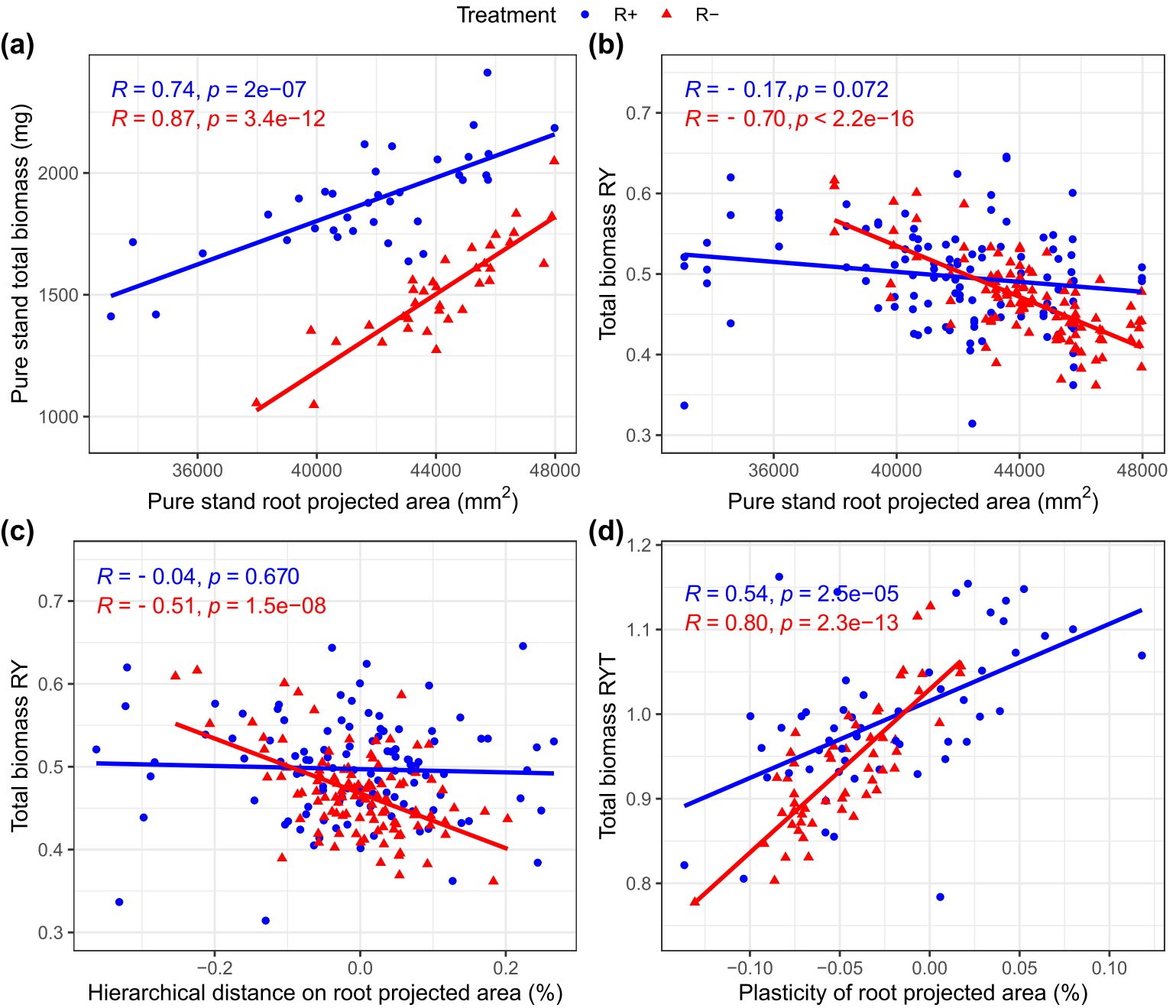

Figure 6: Interactions between root area, resource availability, and biomass. (**a**) relationship between the total biomass of the pure stands and their root area (n = 36 per treatment), (**b**) relationship between RY computed on total biomass and root area measured in pure stands (n = 108 per treatment), (**c**) relationship between RY computed on total biomass and the hierarchical distance on root area, i.e., the difference between the root area of the focal and the root area of the neighbour, both measured in pure stands (n = 108 per treatment), (**d**) relationship between RYT computed on total biomass and root area plasticity, i.e., the difference between the expected (based on pure stands) and the observed root area (n = 54 per treatment). Pearson correlation coefficients (*R*) and p-values (*p*) refer to simple linear models fitted independently in the R+ (blue, circle) and R- (red, triangles) treatments.