**Supporting Tables and Figures**



**Figure S1.** Bivariate relationships between % foliar and % root N with % total soil N.



**Figure S2.** Bivariate relationships between % foliar and % root N with % inorganic soil N, calculated as the sum of ammonium and nitrate (NH4+ and NO3-).

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**Figure S3 version 1.** Correlation matrix of the major N pools (version 1).



**Figure S3 version 2.** Correlogram of the key N pools (using all data points) as well as mean annual precipitation (MAP). The color gradient is the pearsons’ correlation coefficient; a larger circle indicates a stronger correlation. Boxes without circles indicate nonsignificant relationships at a cutoff threshold of P = 0.05.