**Table S2. Correlation matrix for environmental variables.** MAT = mean annual temperature, MAP = mean annual precipitation, SWC = soil water content, and = CO2 partial pressure. Pearson coefficients in bold and with asterisks indicate the correlation is significant at *P*<0.01.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Altitude | MAT | MAP | SWC |  |
| Altitude | 1 | **-0.997\*\*** | **0.997\*\*** | -0.701 | **-1.000\*\*** |
| MAT |  | 1 | **-0.997\*\*** | 0.655 | **0.990\*\*** |
| MAP |  |  | 1 | -0.661 | **-0.996\*\*** |
| SWC |  |  |  | 1 | 0.709 |