|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Linear models** | | **PGLS** | |
|  | **p-value** | **R-squared** | **p-value** | **R-squared** |
| ***Cortex*** |  |  |  |  |
| **Solar radiation** | 0.423 | -0.008883 | 0.52375 | 0.01525 |
| **Mean temperature (BIO1)** | 0.221 | 0.01391 | 0.517817 | -0.01493 |
| **Mean precipitation (BIO12)** | 0.531 | -0.01564 | 0.90103 | -0.02589 |
| **Isothermality (BIO3)** | 0.464 | -0.01172 | 0.593247 | -0.01854 |
| **Max Temperature of Warmest Month (BIO5)** | 0.00276 | 0.1917 | 0.2524 | 0.008918 |
| **Precipitation of Driest Month (BIO14)** | 0.24 | 0.01082 | 0.05958 | 0.06634 |
| **Precipitation Seasonality (BIO15)** | 0.426 | -0.00912 | 0.13941 | 0.03175 |
| **Temperature Seasonality (BIO4)** | 0.251 | 0.009051 | 0.8994 | -0.02588 |
| **Elevation** | 0.00516 | 0.1668 | 0.4517 | -0.01093 |
| ***Pericycle*** |  |  |  |  |
| **Solar radiation** | 0.835 | -0.02513 | 0.73536 | -0.02319 |
| **Mean temperature (BIO1)** | 0.106 | 0.04262 | 0.068385 | 0.06066 |
| **Mean precipitation (BIO12)** | 0.622 | -0.01967 | 0.60390 | -0.01898 |
| **Isothermality (BIO3)** | 0.985 | -0.02631 | 0.337449 | -0.001443 |
| **Max Temperature of Warmest Month (BIO5)** | 0.00384 | 0.1787 | 0.04396 | 0.07893 |
| **Precipitation of Driest Month (BIO14)** | 0.666 | -0.02123 | 0.1990 | 0.01786 |
| **Precipitation Seasonality (BIO15)** | 0.855 | -0.0254 | 0.04802 | 0.07527 |
| **Temperature Seasonality (BIO4)** | 0.553 | -0.01675 | 0.9491 | -0.0262 |
| **Elevation** | 0.0858 | 0.05137 | 0.6380 | -0.02028 |
| ***Primary phloem*** |  |  |  |  |
| **Solar radiation** | 0.959 | -0.02624 | 0.05866 | 0.06698 |
| **Mean temperature (BIO1)** | 0.307 | 0.001834 | 0.0222851 | 0.1071 |
| **Mean precipitation (BIO12)** | 0.366 | -0.00422 | 0.16497 | 0.02511 |
| **Isothermality (BIO3)** | 0.971 | -0.02628 | 0.1640 | 0.02535 |
| **Max Temperature of Warmest Month (BIO5)** | 0.0305 | 0.09407 | 0.02098 | 0.1096 |
| **Precipitation of Driest Month (BIO14)** | 0.563 | -0.01722 | 0.2376 | 0.01115 |
| **Precipitation Seasonality (BIO15)** | 0.9999 | -0.02632 | 0.96190 | -0.02625 |
| **Temperature Seasonality (BIO4)** | 0.587 | -0.01829 | 0.8861 | -0.02575 |
| **Elevation** | 0.577 | -0.01784 | 0.7830 | -0.02424 |
| ***Secondary phloem*** |  |  |  |  |
| **Solar radiation** | 0.307 | 0.001889 | 0.4226 | -0.008869 |
| **Mean temperature (BIO1)** | 0.32 | 0.0004186 | 0.884216 | -0.02574 |
| **Mean precipitation (BIO12)** | 0.302 | 0.00242 | 0.28067 | 0.005044 |
| **Isothermality (BIO3)** | 0.417 | -0.008454 | 0.746929 | -0.02347 |
| **Max Temperature of Warmest Month (BIO5)** | 0.00606 | 0.1604 | 0.7377 | -0.02325 |
| **Precipitation of Driest Month (BIO14)** | 0.43 | -0.009429 | 0.1791 | 0.0219 |
| **Precipitation Seasonality (BIO15)** | 0.965 | -0.02626 | 0.03283 | 0.09104 |
| **Temperature Seasonality (BIO4)** | 0.245 | 0.009969 | 0.8646 | -0.02552 |
| **Elevation** | 0.0849 | 0.05176 | 0.08369 | 0.05237 |
| ***Secondary xylem*** |  |  |  |  |
| **Solar radiation** | 0.362 | -0.003823 | 0.16445 | 0.02524 |
| **Mean temperature (BIO1)** | 0.842 | -0.02523 | 0.569595 | -0.0175 |
| **Mean precipitation (BIO12)** | 0.3 | 0.002604 | 0.16960 | 0.02403 |
| **Isothermality (BIO3)** | 0.388 | -0.00609 | 0.334179 | -0.001109 |
| **Max Temperature of Warmest Month (BIO5)** | 0.974 | -0.02629 | 0.5397 | -0.01608 |
| **Precipitation of Driest Month (BIO14)** | 0.988 | -0.02631 | 0.2687 | 0.006627 |
| **Precipitation Seasonality (BIO15)** | 0.563 | -0.01718 | 0.04058 | 0.08225 |
| **Temperature Seasonality (BIO4)** | 0.704 | -0.02236 | 0.7673 | -0.02392 |
| **Elevation** | 0.839 | -0.02519 | 0.2294 | 0.01247 |