**Table S2**: Partial correlations among each pair of climatic predictors used in the model averaging statistical analysis. In bold, correlations > 0.50. See Material and Methods section for details of abbreviations.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HAT MEAN T°C | HAT MEAN RAIN | HAT HOT T°C | HAT COLD T°C | HAT Ext RAIN | NES MEAN T°C | NES MEAN RAIN | NES HOT T°C | NES COLD T°C | NES Ext RAIN | FLE MEAN T°C | FLE MEAN RAIN | FLE HOT T°C | FLE COLD T°C | FLE Ext RAIN |
| HAT MEAN T°C | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HAT MEAN RAIN | 0.03 | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HAT HOT T°C | 0.47 | 0.04 | X |  |  |  |  |  |  |  |  |  |  |  |  |
| HAT COLD T°C | -0.46 | 0.15 | 0.20 | X |  |  |  |  |  |  |  |  |  |  |  |
| HAT Ext RAIN | -0.06 | **0.73** | -0.09 | -0.02 | X |  |  |  |  |  |  |  |  |  |  |
| NES MEAN T°C | 0.14 | 0.15 | -0.17 | -0.06 | -0.13 | X |  |  |  |  |  |  |  |  |  |
| NES MEAN RAIN | 0.12 | -0.01 | -0.01 | -0.11 | 0.06 | -0.16 | X |  |  |  |  |  |  |  |  |
| NES HOT T°C | -0.02 | -0.18 | 0.09 | -0.01 | 0.01 | 0.38 | 0.05 | X |  |  |  |  |  |  |  |
| NES COLD T°C | 0.12 | 0.01 | 0.03 | 0.04 | -0.04 | -0.42 | -0.01 | 0.09 | X |  |  |  |  |  |  |
| NES Ext RAIN | -0.12 | -0.04 | 0.12 | 0.03 | 0.02 | 0.09 | **0.80** | -0.08 | 0.09 | X |  |  |  |  |  |
| FLE MEAN T°C | 0.01 | 0.02 | 0.00 | 0.12 | 0.17 | 0.24 | 0.16 | -0.06 | -0.01 | -0.08 | X |  |  |  |  |
| FLE MEAN RAIN | 0.06 | 0.16 | -0.06 | 0.31 | -0.17 | 0.18 | 0.24 | 0.12 | 0.14 | -0.14 | -0.26 | X |  |  |  |
| FLE HOT T°C | -0.07 | -0.03 | 0.08 | -0.07 | -0.21 | 0.03 | -0.13 | -0.11 | -0.05 | 0.06 | 0.50 | 0.21 | X |  |  |
| FLE COLD T°C | -0.06 | -0.03 | 0.01 | 0.10 | 0.08 | 0.13 | 0.04 | 0.01 | -0.08 | -0.04 | -0.43 | 0.12 | 0.08 | X |  |
| FLE Ext RAIN | -0.02 | -0.13 | 0.03 | -0.28 | 0.24 | -0.11 | -0.23 | 0.02 | -0.17 | 0.15 | 0.11 | **0.79** | -0.16 | -0.16 | X |