Table S1 Correlation coefficients between pairs of environmental variables

|  | altitude | aspect | slope | Annual mean temperature | Mean diurnal range | Isothermality | Temperature seasonality | Max temperature of warmest month | Min temperature of coldest month | Temperature annual range | Mean temperature of wettest quarter | Mean temperature of driest quarter | Mean temperature of warmest quarter | Mean temperature of coldest quarter | Annual precipitation | Precipitation of wettest month | Precipitation of driest month | Precipitation seasonality | Precipitation of wettest quarter | Precipitation of driest quarter | Precipitation of warmest quarter |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| aspect | 0.094 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| slope | 0.138\* | 0.067 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual mean temperature | -0.814\*\* | -0.108 | -0.147\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mean diurnal range | 0.478\*\* | -0.203\*\* | 0.262\*\* | -0.349\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Isothermality | 0.636\*\* | -0.171\* | 0.136\* | -0.260\*\* | 0.807\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Temperature seasonality | -0.600\*\* | -0.041 | 0.064 | 0.113 | -0.233\*\* | -0.715\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Max temperature of warmest month | -0.918\*\* | -0.115 | -0.082 | 0.884\*\* | -0.249\*\* | -0.411\*\* | 0.495\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Min temperature of coldest month | -0.609\*\* | -0.011 | -0.230\*\* | 0.896\*\* | -0.404\*\* | -0.132\* | -0.215\*\* | 0.664\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Temperature annual range | -0.300\*\* | -0.148\* | 0.206\*\* | -0.118 | 0.247\*\* | -0.303\*\* | 0.861\*\* | 0.308\*\* | -0.476\*\* |  |  |  |  |  |  |  |  |  |  |  |  |
| Mean temperature of wettest quarter | -0.574\*\* | -0.084 | -0.055 | 0.668\*\* | -0.137\* | -0.131 | 0.179\*\* | 0.613\*\* | 0.506\*\* | 0.089 |  |  |  |  |  |  |  |  |  |  |  |
| Mean temperature of driest quarter | -0.632\*\* | -0.055 | -0.115 | 0.897\*\* | -0.295\*\* | -0.100 | -0.151\* | 0.714\*\* | 0.939\*\* | -0.359\*\* | 0.406\*\* |  |  |  |  |  |  |  |  |  |  |
| Mean temperature of warmest quarter | -0.953\*\* | -0.103 | -0.117 | 0.914\*\* | -0.426\*\* | -0.523\*\* | 0.478\*\* | 0.963\*\* | 0.723\*\* | 0.208\*\* | 0.634\*\* | 0.741\*\* |  |  |  |  |  |  |  |  |  |
| Mean temperature of coldest quarter | -0.582\*\* | -0.058 | -0.161\* | 0.916\*\* | -0.292\*\* | -0.028 | -0.251\*\* | 0.671\*\* | 0.965\*\* | -0.449\*\* | 0.550\*\* | 0.945\*\* | 0.717\*\* |  |  |  |  |  |  |  |  |
| Annual precipitation | -0.510\*\* | 0.069 | -0.034 | 0.491\*\* | -0.431\*\* | -0.383\*\* | 0.092 | 0.464\*\* | 0.569\*\* | -0.184\*\* | -0.080 | 0.639\*\* | 0.484\*\* | 0.479\*\* |  |  |  |  |  |  |  |
| Precipitation of wettest month | -0.436\*\* | -0.018 | 0.030 | 0.537\*\* | -0.228\*\* | -0.148\* | -0.053 | 0.461\*\* | 0.583\*\* | -0.234\*\* | 0.066 | 0.658\*\* | 0.460\*\* | 0.553\*\* | 0.877\*\* |  |  |  |  |  |  |
| Precipitation of driest month | -0.582\*\* | 0.063 | -0.061 | 0.498\*\* | -0.496\*\* | -0.521\*\* | 0.267\*\* | 0.526\*\* | 0.493\*\* | -0.031 | -0.119 | 0.607\*\* | 0.556\*\* | 0.426\*\* | 0.887\*\* | 0.667\*\* |  |  |  |  |  |
| Precipitation seasonality | 0.493\*\* | -0.142\* | 0.083 | -0.154\* | 0.519\*\* | 0.715\*\* | -0.589\*\* | -0.346\*\* | -0.100 | -0.306\*\* | 0.159\* | -0.144\* | -0.375\*\* | 0.016 | -0.532\*\* | -0.118 | -0.725\*\* |  |  |  |  |
| Precipitation of wettest quarter | -0.418\*\* | -0.015 | 0.019 | 0.567\*\* | -0.256\*\* | -0.123 | -0.137\* | 0.447\*\* | 0.647\*\* | -0.327\*\* | 0.038 | 0.721\*\* | 0.456\*\* | 0.614\*\* | 0.908\*\* | 0.975\*\* | 0.717\*\* | -0.151\* |  |  |  |
| Precipitation of driest quarter | -0.590\*\* | 0.041 | -0.047 | 0.462\*\* | -0.469\*\* | -0.537\*\* | 0.332\*\* | 0.536\*\* | 0.440\*\* | 0.050 | -0.144\* | 0.562\*\* | 0.549\*\* | 0.366\*\* | 0.874\*\* | 0.649\*\* | 0.987\*\* | -0.758\*\* | 0.686\*\* |  |  |
| Precipitation of warmest quarter | -0.148\* | 0.021 | -0.029 | 0.334\*\* | -0.124 | 0.082 | -0.320\*\* | 0.172\* | 0.483\*\* | -0.419\*\* | 0.156\* | 0.441\*\* | 0.179\*\* | 0.438\*\* | 0.634\*\* | 0.818\*\* | 0.280\*\* | 0.182\*\* | 0.795\*\* | 0.244\*\* |  |
| Precipitation of coldest quarter | -0.570\*\* | 0.017 | -0.021 | 0.483\*\* | -0.414\*\* | -0.460\*\* | 0.265\*\* | 0.538\*\* | 0.484\*\* | 0.005 | -0.147\* | 0.613\*\* | 0.541\*\* | 0.411\*\* | 0.902\*\* | 0.694\*\* | 0.968\*\* | -0.713\*\* | 0.731\*\* | 0.979\*\* | 0.283\*\* |