**Table S6.** Correlation data of climate data and geographical groups Mental analysis.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | SC | CQ | OT | Total |
|  | r | p | r | p | r | p | r | p |
| BIO1 | 0.2298  | 0.0771  | 0.2677  | 0.1833  | -0.3235  | 0.0881  | 0.1267  | 0.1627  |
| BIO2 | 0.0845  | 0.3201  | 0.3895  | 0.0028  | 0.1303  | 0.2637  | 0.1831  | 0.1127  |
| BIO3 | -0.0092  | 0.4095  | 0.4859  | 0.0361  | 0.0098  | 0.4530  | 0.1511  | 0.1299  |
| BIO4 | 0.5064  | 0.0037  | 0.1354  | 0.2361  | 0.0544  | 0.4017  | 0.1590  | 0.1060  |
| BIO5 | 0.1685  | 0.2298  | 0.2096  | 0.1889  | 0.1261  | 0.2403  | 0.1007  | 0.2285  |
| BIO6 | 0.2652  | 0.0420  | 0.1225  | 0.3069  | -0.1665  | 0.2333  | 0.1206  | 0.1628  |
| BIO7 | 0.4690  | 0.0049  | -0.2071  | 0.0042  | -0.0716  | 0.3650  | 0.1109  | 0.1909  |
| BIO8 | 0.2471  | 0.0645  | 0.2839  | 0.0806  | 0.0313  | 0.4492  | 0.1582  | 0.1102  |
| BIO9 | 0.2936  | 0.0301  | 0.1111  | 0.3319  | -0.2882  | 0.0979  | 0.1449  | 0.1106  |
| BIO10 | 0.1754  | 0.2085  | 0.1701  | 0.2278  | 0.2412  | 0.1058  | 0.0966  | 0.2330  |
| BIO11 | 0.2936  | 0.0310  | 0.2306  | 0.2472  | -0.2447  | 0.1504  | 0.1536  | 0.1084  |
| BIO12 | -0.3460  | 0.0344  | 0.2825  | 0.0472  | -0.3725  | 0.0347  | 0.1894  | 0.0777  |
| BIO13 | -0.0745  | 0.3245  | 0.1117  | 0.2597  | -0.0523  | 0.3809  | 0.1415  | 0.1107  |
| BIO14 | 0.4445  | 0.0033  | 0.2880  | 0.1569  | 0.1808  | 0.1918  | 0.2513  | 0.0066  |
| BIO15 | 0.3322  | 0.0330  | 0.4333  | 0.0083  | 0.3290  | 0.0536  | 0.2623  | 0.0434  |
| BIO16 | -0.1821  | 0.1980  | 0.1364  | 0.2403  | -0.0682  | 0.3580  | 0.1586  | 0.0975  |
| BIO17 | 0.4686  | 0.0010  | 0.2660  | 0.1681  | 0.1841  | 0.1836  | 0.2354  | 0.0141  |
| BIO18 | -0.1441  | 0.2356  | 0.1881  | 0.1722  | -0.0743  | 0.3629  | 0.2013  | 0.0586  |
| BIO19 | 0.4686  | 0.0009  | 0.1908  | 0.1889  | -0.1116  | 0.2836  | 0.1641  | 0.0788  |

SC: from Sichuan province, CQ: from Chongqing municipality, OT: Other accessions except Sichuan and Chongqing.