**Table S8:** Correlation of environmental factors based on the geographic distribution of *Histia rhodope*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Bio\_1 | Bio\_2 | Bio\_3 | Bio\_4 | Bio\_5 | Bio\_6 | Bio\_7 | Bio\_8 | Bio\_9 | Bio\_10 | Bio\_11 | Bio\_12 | Bio\_13 | Bio\_14 | Bio\_15 | Bio\_16 | Bio\_17 | Bio\_18 |
| Bio\_2 | -0.507\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio\_3 | 0.359\*\* | 0.538\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio\_4 | -0.911\*\* | 0.624\*\* | -0.290\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio\_5 | 0.274\* | 0.297\*\* | 0.214 | 0.063 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio\_6 | 0.941\*\* | -0.734\*\* | 0.136 | -0.968\*\* | 0.036 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio\_7 | -0.854\*\* | 0.790\*\* | -0.081 | 0.963\*\* | 0.208 | -0.970\*\* |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio\_8 | -0.132 | -0.013 | -0.055 | 0.147 | -0.352\*\* | -0.123 | 0.035 |  |  |  |  |  |  |  |  |  |  |  |
| Bio\_9 | 0.802\*\* | -0.667\*\* | 0.096 | -0.849\*\* | -0.032 | 0.875\*\* | -0.864\*\* | -0.117 |  |  |  |  |  |  |  |  |  |  |
| Bio\_10 | 0.561\*\* | -0.019 | 0.202 | -0.176 | 0.795\*\* | 0.327\*\* | -0.127 | -0.021 | 0.222\* |  |  |  |  |  |  |  |  |  |
| Bio\_11 | 0.974\*\* | -0.611\*\* | 0.293\*\* | -0.977\*\* | 0.096 | 0.984\*\* | -0.940\*\* | -0.129 | 0.860\*\* | 0.374\*\* |  |  |  |  |  |  |  |  |
| Bio\_12 | 0.797\*\* | -0.543\*\* | 0.206 | -0.816\*\* | 0.055 | 0.814\*\* | -0.783\*\* | -0.352\*\* | 0.726\*\* | 0.261\* | 0.827\*\* |  |  |  |  |  |  |  |
| Bio\_13 | 0.519\*\* | -0.007 | 0.553\*\* | -0.470\*\* | 0.058 | 0.408\*\* | -0.385\*\* | -0.242\* | 0.311\*\* | 0.235\* | 0.485\*\* | 0.714\*\* |  |  |  |  |  |  |
| Bio\_14 | 0.384\*\* | -0.684\*\* | -0.333\*\* | -0.475\*\* | -0.184 | 0.529\*\* | -0.562\*\* | -0.324\*\* | 0.620\*\* | -0.023 | 0.470\*\* | 0.658\*\* | 0.163 |  |  |  |  |  |
| Bio\_15 | -0.303\*\* | 0.713\*\* | 0.509\*\* | 0.376\*\* | 0.066 | -0.468\*\* | 0.474\*\* | 0.162 | -0.507\*\* | -0.027 | -0.382\*\* | -0.422\*\* | 0.274\* | -0.799\*\* |  |  |  |  |
| Bio\_16 | 0.702\*\* | -0.251\* | 0.444\*\* | -0.673\*\* | 0.100 | 0.635\*\* | -0.597\*\* | -0.350\*\* | 0.530\*\* | 0.283\*\* | 0.688\*\* | 0.887\*\* | 0.923\*\* | 0.355\*\* | -0.007 |  |  |  |
| Bio\_17 | 0.407\*\* | -0.639\*\* | -0.296\*\* | -0.457\*\* | -0.091 | 0.519\*\* | -0.530\*\* | -0.377\*\* | 0.587\*\* | 0.066 | 0.468\*\* | 0.710\*\* | 0.231\* | 0.975\*\* | -0.788\*\* | 0.424\*\* |  |  |
| Bio\_18 | 0.636\*\* | -0.283\*\* | 0.408\*\* | -0.635\*\* | -0.105 | 0.597\*\* | -0.610\*\* | 0.051 | 0.482\*\* | 0.203 | 0.639\*\* | 0.744\*\* | 0.835\*\* | 0.151 | 0.107 | 0.876\*\* | 0.19 |  |
| Bio\_19 | 0.518\*\* | -0.580\*\* | -0.079 | -0.596\*\* | -0.092 | 0.617\*\* | -0.627\*\* | -0.381\*\* | 0.701\*\* | 0.05 | 0.592\*\* | 0.759\*\* | 0.333\*\* | 0.909\*\* | -0.677\*\* | 0.490\*\* | 0.912\*\* | 0.250\* |