|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Correlation coefficient | PNA |  | Abundance |  | Diversity |  |  Tomato Plant |
|  | AOA | AOB |  | AOA | AOB |  | Total Biomass | Yield |
| pH | 0.888\*\* |  | 0.960\*\* | 0.605\* |  | -0.386 | 0.919\*\* |  | 0.151 | 0.591\* |
| SOM | 0.859\*\* |  | 0.950\*\* | 0.634\* |  | -0.456 | 0.723\*\* |  | -0.007 | 0.505 |
| TN | 0.890\*\* |  | 0.934\*\* | 0.599\* |  | -0.503 | 0.797\*\* |  | -0.034 | 0.439 |
| NH4+-N | -0.924\*\* |  | -0.949\*\* | -.674\*\* |  | 0.463 | -0.778\*\* |  | -0.08 | -0.537\* |
| NO3--N | 0.273 |  | 0.346 | 0.474 |  | 0.35 | 0.722\*\* |  | 0.813\*\* | 0.786\*\* |
| NH3 | 0.663\*\* |  | 0.794\*\* | 0.196 |  | -0.382 | 0.701\*\* |  | -0.208 | 0.192 |
| MBN | 0.544\* |  | 0.550\* | 0.550\* |  | -0.026 | 0.783\*\* |  | 0.574\* | 0.682\*\* |
| MBC | 0.098 |  | 0.229 | 0.307 |  | 0.333 | 0.547\* |  | 0.801\*\* | 0.762\*\* |
| Urease | 0.881\*\* |  | 0.946\*\* | 0.766\*\* |  | -0.364 | 0.836\*\* |  | 0.216 | 0.662\*\* |
| Protease | 0.932\*\* |  | 0.972\*\* | 0.773\*\* |  | -0.447 | 0.809\*\* |  | 0.142 | 0.619\* |