**Table S6.** Correlation analysis of soil bacterivores and bacterial community

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| OUT ID | *Panagrolaimus*  | *Acrobeles* | *Acrobeloides* | *Pristionchus* | *Prismatolaimus* | *Eumonhystera* |
| *Gp6* | -0.397 | 0.247 | -0.116 | 0.028 | 0.057 | 0.285 |
| *Arthrobacter* | -0.393 | 0.363 | 0.123 | 0.141 | 0.075 | 0.153 |
| *Gemmatimonas* | -0.443 | -0.060 | 0.151 | 0.197 | -0.010 | 0.183 |
| *Gp4* | -0.358 | 0.077 | -0.145 | 0.110 | -0.147 | 0.425 |
| *Gp16* | -0.399 | 0.157 | -0.079 | 0.014 | 0.035 | 0.236 |
| *Sphingomonas* | -0.266 | 0.084 | 0.323 | 0.005 | -0.085 | -0.095 |
| *Bacillus* | -0.095 | -0.212 | 0.398 | 0.023 | 0.164 | -0.208 |
| *Geminicoccus* | 0.356 | -0.059 | 0.381 | -0.199 | -0.047 | -0.299 |
| *Gaiella* | -0.347 | -0.058 | 0.277 | 0.189 | 0.096 | 0.228 |
| *Streptomyces* | -0.403 | -0.242 | 0.125 | -0.029 | 0.025 | 0.159 |
| *Nitrospira* | -0.451 | -0.118 | 0.175 | 0.020 | -0.015 | 0.181 |
| *Pontibacter* | **0.705\*\*** | -0.122 | -0.116 | -0.084 | -0.082 | -0.218 |
| *Litorilinea* | 0.250 | -0.225 | -0.105 | -0.074 | -0.036 | -0.290 |
| *Saccharibacteria\_genera\_incertae\_sedis* | -0.277 | **0.478\*** | -0.132 | 0.119 | 0.276 | 0.030 |
| *Nocardioides* | 0.024 | -0.181 | -0.141 | 0.117 | 0.003 | 0.105 |
| *Gp7* | -0.344 | -0.017 | 0.091 | 0.381 | -0.146 | 0.214 |
| *Euzebya* | **0.497\*** | -0.238 | -0.056 | -0.114 | -0.156 | -0.194 |
| *Nitriliruptor* | **0.553\*** | -0.229 | -0.115 | -0.109 | -0.132 | -0.194 |
| *Truepera* | **0.630\*\*** | -0.184 | -0.130 | -0.120 | -0.093 | -0.197 |
| *Marmoricola* | -0.145 | -0.041 | -0.275 | -0.198 | 0.177 | -0.060 |
| *Dongia* | -0.395 | 0.124 | 0.008 | -0.112 | 0.037 | -0.010 |
| *Blastococcus* | **0.806\*\*** | -0.369 | 0.024 | 0.063 | -0.118 | 0.014 |
| *Pseudomonas* | -0.233 | 0.141 | 0.047 | -0.123 | 0.289 | -0.172 |
| *Hyphomicrobium* | -0.349 | 0.452 | 0.094 | -0.144 | 0.456 | -0.087 |
| *Aliifodinibius* | **0.469\*** | -0.182 | -0.126 | -0.120 | -0.087 | -0.204 |
| *Aridibacter* | -0.347 | 0.160 | -0.116 | -0.024 | -0.069 | 0.140 |
| *Rubellimicrobium* | **0.512\*** | -0.217 | -0.072 | -0.086 | -0.153 | -0.224 |
| *Sphaerobacter* | **0.554\*** | -0.232 | -0.116 | -0.095 | -0.143 | -0.187 |
| *Gillisia* | **0.592\*\*** | -0.229 | -0.110 | -0.102 | -0.139 | -0.192 |

Note: \*, *p* ≤0.05, \*\*, *P* ≤ 0.01.