**S4 Table**. Coefficients of determinations for the regression models examining effects of sampling date, treatments, and ciliophoran or bacteria assemblages on the Horn similarity indices of bacteria or ciliophoran assemblages.

|  |  |  |  |
| --- | --- | --- | --- |
| Objective variable | Explanatory variables |  r2 |  p |
|  |  |  |  |
| Bacteria  | ciliate + date + fish | 0.569  | 0.0001 |
|  | ciliate + date | 0.401  | 0.0001 |
|  | ciliate + fish | 0.557  | 0.0001 |
|  | date + fish | 0.331  | 0.0001 |
|  | ciliate | 0.366  | 0.0001 |
|  | date | 0.006  | 0.0222 |
| 　 | fish | 0.319  | 0.0001 |
|  |  |  |  |
| Ciliophora | bacteria + date + fish | 0.505  | 0.0001 |
|  | bacteria + date | 0.497  | 0.0001 |
|  | bacteria + fish | 0.384  | 0.0001 |
|  | date + fish | 0.232  | 0.0001 |
|  | bacteria | 0.366  | 0.0001 |
|  | date | 0.166  | 0.0001 |
| 　 | fish | 0.053  | 0.0049 |