**Table S4.** Number of the orthologs between strain C1T and *S. xenophagum* strains under different selection pressures.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Orthologs | No substitution | Positive selection | Negative selection | Neutral evolution |
| C1T-QYY | 3173 | 2673 | 201 | 225 | 74 |
| C1T-NBRC107872 | 2973 | 179 | 25 | 2701 | 68 |