**Table S10 The details of training and test dataset for 7 species in CAFA3 dataset**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Species** | **NTR** | **NTE** | **NGT\_MF** | **NGT\_BP** | **NGT\_CC** |
| Human | 13639 | 1020 | 3611 | 10680 | 1348 |
| Mouse | 9220 | 277 | 2374 | 10949 | 1004 |
| Arabidopsis | 7550 | 470 | 1958 | 4230 | 516 |
| Rat | 3645 | 75 | 2198 | 6684 | 784 |
| Fly | 2420 | 196 | 1263 | 4875 | 693 |
| Budding Yeast | 4061 | 23 | 1986 | 4511 | 877 |
| Fission Yeast | 4237 | 372 | 1237 | 3824 | 626 |

*Note:* NTR/NTE: the number of proteins in training/test datasets; NGT\_MF: the total number of MF terms in training and test datasets; NGT\_BP: the total number of BP terms in training and test datasets; NGT\_CC: the total number of CC terms in training and test datasets.