**Table S6 The Fmax values of TNP and NON-PCA-TNP on the test dataset of human species for different sampling ratios in expression data**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Method** | **GO aspect** | **10%** | **30%** | **50%** | **70%** | **100%** |
| TNP | MF | 0.293 | 0.307 | 0.311 | 0.307 | 0.311 |
| BP | 0.388 | 0.391 | 0.393 | 0.392 | 0.397 |
| CC | 0.565 | 0.573 | 0.573 | 0.574 | 0.577 |
| NON-PCA-TNP | MF | 0.287 | 0.291 | 0.292 | 0.294 | 0.290 |
| BP | 0.382 | 0.384 | 0.385 | 0.386 | 0.385 |
| CC | 0.564 | 0.571 | 0.572 | 0.572 | 0.573 |