**Table S13 The *P* values between TripletGO and other six GO prediction methods for Fmax and AUPR on 2433 proteins of 7 species from CAFA3 test dataset**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Measure** | **GO aspect** | **(TripletGO, EPGP)** | **(TripletGO, GSAGP)** | **(TripletGO, PSAGP)** | **(TripletGO, NGP)** | **(TripletGO, DeepGO)** | **(TripletGO, FunFams)** |
| Fmax | MF | 4.75×10-19 | 4.07×10-16 | 9.05×10-02 | 8.09×10-20 | 8.74×10-18 | 2.07×10-07 |
| BP | 2.79×10-08 | 1.42×10-11 | 5.90×10-07 | 2.12×10-13 | 5.44×10-09 | 1.83×10-07 |
| CC | 5.99×10-10 | 1.56×10-14 | 9.02×10-10 | 1.31×10-12 | 1.63×10-10 | 7.58×10-14 |
| AUPR | MF | 5.58×10-22 | 1.22×10-21 | 3.60×10-19 | 1.36×10-22 | 1.88×10-20 | 1.69×10-18 |
| BP | 2.12×10-15 | 1.12×10-18 | 1.93×10-14 | 2.21×10-18 | 4.69×10-16 | 1.37×10-17 |
| CC | 2.09×10-11 | 2.11×10-19 | 5.95×10-17 | 2.38×10-16 | 1.46×10-11 | 1.62×10-18 |