**Table S9 The *P* values between EGN and other six GO prediction methods for Fmax and AUPR on 98 non-coding genes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Measure** | **GO aspect** | **(EGN, EPGP)** | **(EGN, GSAGP)** | **(EGN, NGP)** | **(EGN, GN)** | **(EGN, EN)** | **(EGN, EG)** |
| Fmax | MF | 1.09×10-12 | 4.01×10-17 | 5.48×10-18 | 4.01×10-17 | 1.95×10-12 | 4.16×10-10 |
| BP | 3.86×10-10 | 3.36×10-18 | 1.07×10-16 | 7.98×10-17 | 3.86×10-10 | 1.39×10-03 |
| CC | 1.73×10-05 | 1.35×10-13 | 1.35×10-13 | 1.17×10-11 | 1.80×10-03 | 2.80×10-05 |
| AUPR | MF | 4.83×10-20 | 3.39×10-25 | 2.87×10-25 | 4.30×10-24 | 1.13×10-19 | 6.30×10-17 |
| BP | 5.90×10-09 | 1.51×10-23 | 1.99×10-21 | 9.56×10-21 | 1.38×10-09 | 5.88×10-11 |
| CC | 1.56×10-11 | 8.53×10-25 | 2.93×10-24 | 3.07×10-22 | 1.56×10-11 | 1.01×10-05 |