**Supplementary Table 3** Annotation summary with DIAMOND software

|  |  |  |
| --- | --- | --- |
| **Database** | **Number** | **Ratio (%)** |
| All | 30,251 | 100.00 |
| GO | 7,527 | 24.88 |
| KEGG | 7,081 | 23.41 |
| Pfam | 7,663 | 25.33 |
| Swissprot | 6,825 | 22.56 |
| EggNOG | 9,315 | 30.79 |
| NR | 9,701 | 32.07 |