**Supplemental Table S1：**

**The annotated results of gene and transcripts based on the reference genome**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Database | Expre\_Gene number  | Expre\_Transcript number | All\_Gene number | All\_Transcript number |
| Nr | 17551 | 45086 | 21472 | 59350 |
| Swiss-prot | 12358 | 33572 | 14158 | 42531 |
| Pfam | 12983 | 32066 | 14925 | 41428 |
| GO | 11165 | 27842 | 13174 | 59165 |
| KEGG | 10455 | 28741 | 11927 | 35849 |
| COG | 14123 | 37911 | 16269 | 48034 |