**Table S4** Summary of functional annotation for assembled unigenes.

|  |  |  |
| --- | --- | --- |
| Database | Number of Genes | Percentage (%) |
| NR | 270,860 | 63.19 |
| Trembl | 268,369 | 62.61 |
| GO | 227,019 | 52.96 |
| KEGG | 203,045 | 47.37 |
| SwissProt | 179,823 | 41.95 |
| Pfam | 167,403 | 39.05 |
| KOG | 146,589 | 34.20 |
| Annotated in at least one Database | 273,318 | 63.76 |
| Total Unigenes | 428,638 | 100 |