**Table S1** Parameters of the programs used in *de novo* assembly and functional annotation.

|  |  |
| --- | --- |
| Program | Parameter |
| Trinity v2.3.2 | --seqType fq –min\_contig\_length 100 –min\_glue 3 --group\_pairs \_distance 250 --path\_reinforcement\_distance 85 --min\_kmer\_cov 3 |
| TGICL v2.1 | -l 40 -c 10 -v 20 |
| Blast v2.2.26 | -F F -e 1e-5 |
| Blast2GO v5.0.21 | default |