|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Additional file 2**. De novo transcriptome assembly statistics  |  |  |  |  |  |
|   |   |   |   |   |   |   |   |   |   |  |   |   |  |
|  |  | BUSCO\* |  |  | Transrate contig metrics |  |
|  |  | complete (%) | duplicated (%) | fragmented (%) | missing (%) |  | number of contigs (n) | mean lenght | with ORF | mean ORF% | > 1000 bases | n50 | optimal score |
| *P.matudai* | SPAdes 25k | 2058 (79.6) | 295 (11.4) | 303 (11.7) | 225 (8.7) |  | 157856 | 530,95 | 21127 | 52.09 | 24677 | 1806 | 0.1113 |
|  | SPAdes 53k | 1428 (72.4) | 446 (17.2) | 367 (14.2) | 345 (13.4) |  | 132430 | 590,09 | 20935 | 55.96 | 21447 | 1621 | 0.0761 |
|  | Trinity | 2129 (82.4) | 700 (27.1) | 212 (8.2) | 245 (9.4) |  | 1191138 | 867,04 | 27614 | 56.32 | 29499 | 1630 | 0.0903 |
|  | Evigene | 2196 (84.9) | 38 (1.5) | 147 (5.7) | 243 (9.4) |  | 57320 | 913,50 | 15334 | 58.42 | 16402 | 1737 | 0.2711 |
| *P. sagorum* | SPAdes 25k | 2051 (79.3) | 284 (11.0) | 313 (12.1) | 222 (8.6) |  | 168266 | 529,08 | 21673 | 51.11 | 26115 | 1821 | 0.0025 |
|  | SPAdes 53k | 1921 (74.3) | 545 (21.1) | 342 (13.2) | 323 (12.5) |  | 222574 | 431,61 | 24321 | 52.80 | 27386 | 2205 | 0.0026 |
|  | Trinity | 2145 (83.0) | 721 (27.9) | 196 (7.6) | 245 (9.4) |  | 126679 | 880,53 | 28660 | 55.11 | 31937 | 1665 | 0.0004 |
|  | Evigene | 2120 (82.0) | 43 (1.7) | 196 (7.6) | 270 (10.4) |  | 45335 | 1132,80 | 14948 | 55.78 | 17102 | 1980 | 0.2246 |
| \*Total BUSCO groups searched: 2586 |  |  |  |  |  |  |