**Table 2.**

**Summary of genome assembly data of *Cryptosporidium* isolates.**

+ Assemblies retrieved from CryptoDB database release 43.

\* *de novo* assemblies filtered by Bit score value ≥ 300.

aReads were mapped using BWA to the reference *C. parvum* Iowa II genome retrieved from CryptoDB database release 43.

bReads were mapped using BWA to the *de novo* assembled contigs.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Genome ID**  | **No. of reads** | **Assembly size (bp)**  | **No. of contigs** | **Largest contig (bp)** | **Contig N50 (bp)** | **G + C content (%)** | **No. of Ns** | **a. Mean coverage**  **C. parvum Iowa II genome (X)** | **b. Mean coverage** ***de novo* assembled contigs (X)** |
| *C. parvum* | UKP2 \* | 2,015,213 | 9,113,527  | 118 | 859,882  | 216,383  | 30.17 | 485 | 52.3 | 52.4 |
| UKP3 \* | 8,227,141 | 9,636,677  | 2971 | 364,354  | 51,320  | 30.87 | 25,249 | 242.4 | 229.3 |
| UKP4 \* | 9,342,641 | 9,429,553  | 1933 | 418,794  | 62,049  | 30,59 | 18,349 | 279.5 | 270.2 |
| UKP5 \* | 1,321,400 | 9,017,288  | 473 | 376,426  | 68,305  | 30.24 | 254 | 40.1 | 40.4 |
| UKP6 \* | 5,598,532 | 9,129,374  | 64 | 1,336,351  | 383,563  | 30.18 | 1,484 | 160.3 | 160.4 |
| UKP7 \* | 3,746,781 | 9,007,490  | 555 | 340,451  |  67,504  | 30.32 | 861 | 112.3 | 113.8 |
| UKP8 \* | 11,161,344 | 9,108,067  | 451 | 787,834  | 95,411 | 30.24 | 2,482 | 300.4 | 301.5 |
| UKP14 \* | 2,378,388 | 8,221,521  | 2787 | 43,566  | 5,120 | 31.95 | 441 | 69.4 | 85.4 |
| UKP15 \* | 6,627,377 | 8,904,901  | 1830 | 94,121  | 10,293  | 31.09 | 693 | 147.6 | 209.8 |
| *C. hominis* | UKH1 + | 3,798,205 | 9,141,398  | 156 | 542,781 | 179,408  | 30.13 | 0 | 191.7 | 197.3 |
| UKH3 \* | 1,238,762 | 9,071,292  | 179 | 552,915 | 167,737  | 30.14 | 256 | 35.2 | 35.8 |
| UKH4 \* | 11,895,367 | 9,390,791  | 2164 | 239,037 | 48,766  | 30.66 | 12,842 | 326.2 | 321.5 |
| UKH5 \* | 12,649,912 | 9,068,487  | 526 | 730,267 | 81,885  | 30.20 | 2,681 | 354.8 | 362.2 |
| 30976 + | 35,360,353 | 9,059,225  | 53 | 1,279,890 | 470,636  | 30.12 | 1,699 | 502.4 | 511.0 |
| 37999 + | 16,569,871 | 9,054,010  | 78 | 1,029,232 | 406,678  | 30.13 | 3,168 | 349.9 | 367.4 |
| TU502-2012 + | 1,810,060 | 9,107,739  | 119 | 1,270,815 | 238,509  | 30.13 | 0 | 94,8 | 96.0 |
| UdeA01 + | 1,080,448 | 9,043,938  | 8 | 1,322,947 | 1,103,974  | 30.15 | 8,500 | 52.6 | 53.4 |
| SWEH2 \* | 1,791,829 | 8,818,287  | 1629 | 62,020 | 9,465 | 30.43 | 0 | 33.9 | 35.2 |
| SWEH5 \* | 2,058,197 | 8,821,738  | 1342 | 94,133 | 14,514  | 30.47 | 96 | 40.8 | 42.4 |
| *C. meleagridis* | UKMEL1 + | 11,431,022 | 8,973,200  | 57 | 732,862  | 322,908  | 30.97 | 0 | 101.6 | 110.4 |
| UKMEL3 \* | 3,097,090 | 9,028,762  | 421 | 214,804  | 62,491  | 31.01 | 6,697 | 75.2 | 93.1 |
| UKMEL4 \* | 5,648,885 | 9,150,400  | 167 | 296,518  | 110,331  | 30.94 | 693 | 148.7 | 182.4 |
| TU1867 \* | 16,007,104 | 8,997,078  | 46 | 1,076,730  | 672,302  | 30.94 | 763 | 344.7 | 378.5 |