



Genomic Assemblies of Members of *Burkholderia* and Related Genera as a Resource for Natural Product Discovery

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ABSTRACT The genomes of 450 members of *Burkholderiaceae*, isolated from clinical and environmental sources, were sequenced and assembled as a resource for genome mining. Genomic analysis of the collection has enabled the identification of multiple metabolites and their biosynthetic gene clusters, including the antibiotics gladiolin, icosalide A, enacyloxin, and cepacin A.

B*urkholderia* is a diverse genus of bacteria and a rich source of antimicrobial compounds (1). Modern natural product discovery is often guided by genome mining (2) and increasingly relies on large genome collections. Therefore, we have sequenced, assembled, and deposited into public databases a substantial collection of genomes of members of *Burkholderia* and related genera to promote natural product discovery.

Genomic DNA was extracted, using the automated Maxwell 16 instrument with the tissue extraction kit (Promega), from *Burkholderia* strains and strains of related genera that had been grown in tryptic soy broth overnight at 30°C or 37°C. HiSeq 2000 and HiSeq X Ten instruments, with the associated Illumina HiSeq kits for library preparation, generated 125-bp and 150-bp paired-end reads, respectively. Reads were trimmed using Trim Galore v0.4.2 (3), their quality was assessed using FastQC v0.10.1 (4), and overlapping reads were merged using FLASH v1.2.11 (5). The resulting reads were assembled into contigs using the assembler SPAdes v3.9.1 (6). Pilon v1.2125 (7) identified and corrected misassembled contigs, and contigs representing contaminating DNA were identified with Kraken v0.10.5-beta (8) using the MiniKraken database. In addition, four *Burkholderia* strains were sequenced with a Pacific Bioscience RS II instrument using genomic DNA prepared with the SMRTbell template preparation kit v2.0. The sequencing was performed in two runs with P4-C2 and P5-C3 chemistries, and the genomes were assembled with SMRT Analysis v2.3.0 as described previously (9). A quality assessment of the final genome assemblies was performed with QUAST v4.4 (10) (Table 1). Genomic identification was performed by average nucleotide identity (ANI) analyses with fastANI v1.2 (11) and pyani v0.2.9 (ANI using MUMmer [ANIm] to align input sequences) (12), using a $\geq 95\%$ species delineation threshold (11). The NCBI Prokaryotic Genome Annotation Pipeline (PGAP) v4.12 was used for genome annotation (13). Bioinformatics were supported by the Cloud Infrastructure for Microbial Bioinformatics (CLIMB) (14). Default software parameters were used except where otherwise noted.

The genome collection contains 24 named *Burkholderia* species and 17 genomes that possessed an ANI value of $< 95\%$ compared to sequenced type strains. Within the *Burkholderia cepacia* complex, the first representative genome of *Burkholderia arboris*

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TABLE 1 Strain information and genome assembly statistics for the *Burkholderiaceae* genome collection

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (x) (technology) | Genome size (Mbp) | GC content (%) | <i>N</i> ₅₀ (bp) |
|-------------------------------|---------|--|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|-----------------------------|
| <i>Burkholderia ambifaria</i> | BCC0118 | Clinical, sputum | USA | ERS784989 | ERS4267623 | GCA_902829755 | 81 (Illumina) | 7.50 | 66.82 | 273,879 |
| <i>Burkholderia ambifaria</i> | BCC0191 | Environmental, soil | USA | ERS784799 | ERS4267624 | GCA_902829465 | 82 (Illumina) | 7.58 | 66.56 | 302,202 |
| <i>Burkholderia ambifaria</i> | BCC0192 | Environmental | USA | ERS785047 | ERS4267625 | GCA_902829785 | 73 (Illumina) | 7.40 | 66.73 | 277,504 |
| <i>Burkholderia ambifaria</i> | BCC0197 | Environmental, <i>Sesbania exaltata</i> leaves | | ERS785076 | ERS4267626 | GCA_902829415 | 71 (Illumina) | 7.38 | 66.67 | 386,867 |
| <i>Burkholderia ambifaria</i> | BCC0250 | Clinical, sputum | Australia | ERS784819 | ERS4267627 | GCA_902829765 | 86 (Illumina) | 7.36 | 66.84 | 396,147 |
| <i>Burkholderia ambifaria</i> | BCC0267 | Clinical, cystic fibrosis patient | Australia | ERS784835 | ERS4267628 | GCA_902829645 | 80 (Illumina) | 7.36 | 66.76 | 784,052 |
| <i>Burkholderia ambifaria</i> | BCC0284 | Environmental, corn | USA | ERS1328916 | ERS4267629 | GCA_902829725 | 59 (Illumina) | 7.47 | 66.68 | 423,851 |
| <i>Burkholderia ambifaria</i> | BCC0316 | Environmental, soil | USA | ERS784850 | ERS4267630 | GCA_902829685 | 83 (Illumina) | 7.64 | 66.54 | 292,321 |
| <i>Burkholderia ambifaria</i> | BCC0338 | Environmental, corn roots | USA | ERS1371637 | ERS4267631 | GCA_902829825 | 90 (Illumina) | 7.45 | 66.70 | 514,723 |
| <i>Burkholderia ambifaria</i> | BCC0399 | Environmental | USA | ERS785037 | ERS4267632 | GCA_902829775 | 77 (Illumina) | 7.40 | 66.76 | 407,605 |
| <i>Burkholderia ambifaria</i> | BCC0410 | Environmental, maize | Italy | ERS784866 | ERS4267633 | GCA_902829705 | 93 (Illumina) | 7.38 | 66.78 | 849,830 |
| <i>Burkholderia ambifaria</i> | BCC0423 | Environmental, maize | Italy | ERS1336067 | ERS4267634 | GCA_902829805 | 73 (Illumina) | 7.47 | 66.76 | 382,759 |
| <i>Burkholderia ambifaria</i> | BCC0477 | Clinical, cystic fibrosis patient | USA | ERS784882 | ERS4267635 | GCA_902829695 | 99 (Illumina) | 7.81 | 66.47 | 255,598 |
| <i>Burkholderia ambifaria</i> | BCC0478 | Clinical, cystic fibrosis patient | USA | ERS784897 | ERS4267636 | GCA_902829665 | 109 (Illumina) | 7.24 | 66.82 | 601,161 |
| <i>Burkholderia ambifaria</i> | BCC0480 | Environmental, soil | USA | ERS784913 | ERS4267637 | GCA_902829735 | 113 (Illumina) | 7.84 | 66.57 | 570,779 |
| <i>Burkholderia ambifaria</i> | BCC1041 | Environmental | Italy | ERS784930 | ERS4267638 | GCA_902829815 | 104 (Illumina) | 7.51 | 66.70 | 469,567 |
| <i>Burkholderia ambifaria</i> | BCC1048 | Environmental | Italy | ERS784886 | ERS4267639 | GCA_902829675 | 70 (Illumina) | 7.51 | 66.70 | 469,249 |
| <i>Burkholderia ambifaria</i> | BCC1052 | Environmental | Italy | ERS1371632 | ERS4267640 | GCA_902829435 | 72 (Illumina) | 7.33 | 66.81 | 397,259 |
| <i>Burkholderia ambifaria</i> | BCC1062 | Environmental | Italy | ERS1328829 | ERS4267641 | GCA_902829655 | 65 (Illumina) | 7.45 | 66.69 | 382,455 |
| <i>Burkholderia ambifaria</i> | BCC1065 | Environmental | Italy | ERS784959 | ERS4267642 | GCA_902829835 | 77 (Illumina) | 7.31 | 66.79 | 605,534 |
| <i>Burkholderia ambifaria</i> | BCC1066 | Environmental | Italy | ERS784800 | ERS4267643 | GCA_902829905 | 87 (Illumina) | 7.32 | 66.78 | 381,533 |
| <i>Burkholderia ambifaria</i> | BCC1072 | Environmental | Italy | ERS1328913 | ERS4267644 | GCA_902830005 | 66 (Illumina) | 7.44 | 66.75 | 397,405 |
| <i>Burkholderia ambifaria</i> | BCC1080 | Environmental | Italy | ERS1371635 | ERS4267645 | GCA_902829995 | 84 (Illumina) | 7.29 | 66.76 | 383,339 |
| <i>Burkholderia ambifaria</i> | BCC1083 | Environmental | Italy | ERS1328835 | ERS4267646 | GCA_902829965 | 63 (Illumina) | 7.30 | 66.76 | 373,328 |
| <i>Burkholderia ambifaria</i> | BCC1086 | Environmental | Italy | ERS1328827 | ERS4267647 | GCA_902829915 | 70 (Illumina) | 7.58 | 66.72 | 395,516 |
| <i>Burkholderia ambifaria</i> | BCC1088 | Environmental | Italy | ERS1371633 | ERS4267648 | GCA_902829875 | 87 (Illumina) | 7.48 | 66.70 | 397,405 |
| <i>Burkholderia ambifaria</i> | BCC1090 | Environmental | Italy | ERS1328833 | ERS4267649 | GCA_902829975 | 68 (Illumina) | 7.33 | 66.76 | 340,920 |
| <i>Burkholderia ambifaria</i> | BCC1092 | Environmental | Italy | ERS784808 | ERS4267650 | GCA_902829935 | 77 (Illumina) | 7.38 | 66.78 | 849,686 |
| <i>Burkholderia ambifaria</i> | BCC1093 | Environmental | Italy | ERS784821 | ERS4267651 | GCA_902829945 | 81 (Illumina) | 7.40 | 66.76 | 427,669 |
| <i>Burkholderia ambifaria</i> | BCC1095 | Environmental | Italy | ERS784837 | ERS4267652 | GCA_902829885 | 84 (Illumina) | 7.40 | 66.76 | 407,577 |
| <i>Burkholderia ambifaria</i> | BCC1098 | Environmental | Italy | ERS784852 | ERS4267653 | GCA_902829895 | 83 (Illumina) | 7.38 | 66.78 | 849,506 |
| <i>Burkholderia ambifaria</i> | BCC1100 | Environmental | Italy | ERS784868 | ERS4267654 | GCA_902830015 | 80 (Illumina) | 7.40 | 66.76 | 407,581 |
| <i>Burkholderia ambifaria</i> | BCC1103 | Environmental | Italy | ERS784884 | ERS4267655 | GCA_902829985 | 86 (Illumina) | 7.40 | 66.76 | 427,387 |
| <i>Burkholderia ambifaria</i> | BCC1105 | Environmental | Italy | ERS1371636 | ERS4267656 | GCA_902829845 | 97 (Illumina) | 6.30 | 66.77 | 1,592,784 |
| <i>Burkholderia ambifaria</i> | BCC1107 | Environmental | Italy | ERS784899 | ERS4267657 | GCA_902829855 | 88 (Illumina) | 7.40 | 66.76 | 374,059 |
| <i>Burkholderia ambifaria</i> | BCC1212 | Environmental, rhizosphere | USA | ERS1371638 | ERS4267658 | GCA_902829955 | 82 (Illumina) | 7.61 | 66.44 | 358,611 |
| <i>Burkholderia ambifaria</i> | BCC1213 | Environmental | USA | ERS1328957 | ERS4267659 | GCA_902829925 | 65 (Illumina) | 7.47 | 66.70 | 425,516 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (×) (technology) | Genome size (Mbp) | GC content (%) | <i>N</i> ₅₀ (bp) |
|---------------------------------|-----------|--|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|-----------------------------|
| <i>Burkholderia ambifaria</i> | BCC1214 | Environmental | USA | ERS784915 | ERS4267660 | GCA_902829595 | 102 (Illumina) | 7.61 | 66.40 | 270,842 |
| <i>Burkholderia ambifaria</i> | BCC1216 | Environmental | USA | ERS1328918 | ERS4267661 | GCA_902829865 | 67 (Illumina) | 7.46 | 66.69 | 234,327 |
| <i>Burkholderia ambifaria</i> | BCC1218 | Environmental | USA | ERS784932 | ERS4267662 | GCA_902830025 | 88 (Illumina) | 7.46 | 66.67 | 348,377 |
| <i>Burkholderia ambifaria</i> | BCC1220 | Environmental | USA | ERS1328837 | ERS4267663 | GCA_902830035 | 65 (Illumina) | 7.64 | 66.39 | 393,412 |
| <i>Burkholderia ambifaria</i> | BCC1223 | Environmental | USA | ERS784947 | ERS4267664 | GCA_902830105 | 104 (Illumina) | 7.61 | 66.40 | 267,383 |
| <i>Burkholderia ambifaria</i> | BCC1224 | Environmental, maize | USA | ERS1328836 | ERS4267665 | GCA_902829395 | 51 (Illumina) | 8.46 | 63.24 | 317,020 |
| <i>Burkholderia ambifaria</i> | BCC1228 | Environmental, maize | USA | ERS1328832 | ERS4267666 | GCA_902830065 | 62 (Illumina) | 7.38 | 66.73 | 558,864 |
| <i>Burkholderia ambifaria</i> | BCC1229 | Environmental, maize | USA | ERS1371639 | ERS4267667 | GCA_902830045 | 65 (Illumina) | 7.51 | 66.70 | 298,531 |
| <i>Burkholderia ambifaria</i> | BCC1233 | Environmental, maize | USA | ERS1328917 | ERS4267668 | GCA_902830075 | 57 (Illumina) | 7.96 | 66.24 | 390,415 |
| <i>Burkholderia ambifaria</i> | BCC1236 | Environmental, maize | USA | ERS1328839 | ERS4267669 | GCA_902830095 | 64 (Illumina) | 7.63 | 66.60 | 358,767 |
| <i>Burkholderia ambifaria</i> | BCC1237 | Environmental, maize | USA | ERS1371640 | ERS4267670 | GCA_902830055 | 66 (Illumina) | 7.34 | 66.84 | 420,767 |
| <i>Burkholderia ambifaria</i> | BCC1240 | Environmental, maize | USA | ERS1328914 | ERS4267671 | GCA_902830085 | 57 (Illumina) | 7.40 | 66.77 | 503,900 |
| <i>Burkholderia ambifaria</i> | BCC1241 | Environmental, maize | USA | ERS784961 | ERS4267672 | GCA_902830175 | 78 (Illumina) | 7.68 | 66.49 | 288,780 |
| <i>Burkholderia ambifaria</i> | BCC1246 | Environmental, maize | USA | ERS1328834 | ERS4267673 | GCA_902830205 | 69 (Illumina) | 7.48 | 66.64 | 450,462 |
| <i>Burkholderia ambifaria</i> | BCC1248 | Environmental, maize | USA | ERS784801 | ERS4267674 | GCA_902830135 | 87 (Illumina) | 8.03 | 66.48 | 241,997 |
| <i>Burkholderia ambifaria</i> | BCC1249 | Environmental, maize | USA | ERS1371634 | ERS4267675 | GCA_902830255 | 93 (Illumina) | 7.58 | 66.75 | 447,443 |
| <i>Burkholderia ambifaria</i> | BCC1252 | Environmental, maize | USA | ERS784809 | ERS4267676 | GCA_902830125 | 87 (Illumina) | 7.42 | 66.71 | 254,705 |
| <i>Burkholderia ambifaria</i> | BCC1256 | Environmental, maize | USA | ERS784823 | ERS4267677 | GCA_902830165 | 86 (Illumina) | 7.54 | 66.60 | 281,063 |
| <i>Burkholderia ambifaria</i> | BCC1258 | Environmental, maize | USA | ERS1371641 | ERS4267678 | GCA_902829475 | 81 (Illumina) | 7.60 | 66.61 | 272,850 |
| <i>Burkholderia ambifaria</i> | BCC1259 | Environmental, maize | USA | ERS784838 | ERS4267679 | GCA_902830225 | 78 (Illumina) | 7.63 | 66.39 | 431,727 |
| <i>Burkholderia ambifaria</i> | BCC1265 | Environmental | USA | ERS784854 | ERS4267680 | GCA_902830115 | 79 (Illumina) | 7.62 | 66.44 | 335,885 |
| <i>Burkholderia ambifaria</i> | BCC1270 | Environmental, maize | USA | ERS784870 | ERS4267681 | GCA_902830155 | 73 (Illumina) | 7.60 | 66.61 | 315,858 |
| <i>Burkholderia multivorans</i> | BCC1599 | Environmental | USA | ERS1371642 | ERS4267682 | GCA_902833025 | 87 (Illumina) | 6.74 | 67.15 | 248,547 |
| <i>Burkholderia sp.</i> | BCC1630 | Environmental | Malaysia | ERS1328847 | ERS4267683 | GCA_902833165 | 75 (Illumina) | 7.62 | 66.03 | 201,973 |
| <i>Burkholderia sp.</i> | BCC1638 | Environmental | Malaysia | ERS1328851 | ERS4267684 | GCA_902833195 | 89 (Illumina) | 6.96 | 66.61 | 206,632 |
| <i>Burkholderia anthina</i> | BCC0036 | Clinical, cystic fibrosis patient | UK | ERS785067 | ERS4267685 | GCA_902830145 | 69 (Illumina) | 7.72 | 66.49 | 216,836 |
| <i>Burkholderia anthina</i> | BCC0403 | Environmental, river | USA | ERS784934 | ERS4267686 | GCA_902830325 | 76 (Illumina) | 8.15 | 66.41 | 375,294 |
| <i>Burkholderia anthina</i> | BCC0485 | Clinical, cystic fibrosis patient | USA | ERS1328919 | ERS4267687 | GCA_902829375 | 49 (Illumina) | 9.30 | 61.27 | 152,611 |
| <i>Burkholderia anthina</i> | BCC0518 | Environmental, soil | UK | ERS1328922 | ERS4267688 | GCA_902830485 | 66 (Illumina) | 8.28 | 66.46 | 220,529 |
| <i>Burkholderia anthina</i> | BCC0634 | Environmental, soil rhizosphere | USA | ERS1328841 | ERS4267689 | GCA_902830375 | 87 (Illumina) | 7.94 | 65.74 | 168,505 |
| <i>Burkholderia anthina</i> | BCC0635 | Environmental, rhizosphere | USA | ERS1333586 | ERS4267690 | GCA_902830445 | 89 (Illumina) | 7.76 | 66.03 | 194,880 |
| <i>Burkholderia anthina</i> | BCC0636 | Environmental, rhizosphere <i>Carludovica palmata</i> rhizosphere | UK | ERS1328842 | ERS4267691 | GCA_902830345 | 95 (Illumina) | 7.76 | 66.03 | 195,048 |
| <i>Burkholderia anthina</i> | BCC0637 | Environmental, soil | | ERS1328920 | ERS4267692 | GCA_902830315 | 101 (Illumina) | 7.30 | 66.36 | 205,801 |
| <i>Burkholderia anthina</i> | BCC0638 | Environmental, soil | | ERS1328843 | ERS4267693 | GCA_902829625 | 102 (Illumina) | 7.69 | 66.33 | 147,404 |
| <i>Burkholderia anthina</i> | LMG 20980 | Environmental, soil rhizosphere | USA | ERS1371643 | ERS4267694 | GCA_902830395 | 71 (Illumina) | 7.63 | 66.74 | 336,735 |
| <i>Burkholderia anthina</i> | BCC1349 | Clinical | | ERS1328844 | ERS4267695 | GCA_902830335 | 76 (Illumina) | 8.61 | 66.32 | 444,914 |
| <i>Burkholderia stagnalis</i> | BCC1350 | Environmental | | ERS784963 | ERS4267696 | GCA_902833065 | 83 (Illumina) | 8.37 | 67.13 | 251,925 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (×) (technology) | Genome size (Mbp) | GC content (%) | N ₅₀ (bp) |
|---------------------------------|---------|---------------------------------------|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|----------------------|
| <i>Burkholderia anthina</i> | BCC1351 | Clinical | | ERS1328921 | ERS4267697 | GCA_902829335 | 94 (Illumina) | 7.48 | 66.21 | 196,378 |
| <i>Burkholderia anthina</i> | BCC1358 | Clinical | | ERS1371644 | ERS4267698 | GCA_902830365 | 68 (Illumina) | 9.16 | 66.08 | 173,669 |
| <i>Burkholderia anthina</i> | BCC1363 | Environmental | | ERS1336069 | ERS4267699 | GCA_902830415 | 85 (Illumina) | 7.28 | 66.32 | 170,879 |
| <i>Burkholderia arboris</i> | BCC0049 | Clinical, non-cystic fibrosis patient | France | ERS785032 | ERS4267700 | GCA_902830425 | 64 (Illumina) | 8.28 | 66.77 | 418,964 |
| <i>Burkholderia cenocepacia</i> | J2315 | Clinical, respiratory sample | UK | ERS784840 | ERS4267701 | GCA_902830575 | 82 (Illumina) | 7.91 | 66.99 | 221,803 |
| <i>Burkholderia cenocepacia</i> | BCC0016 | Clinical, sputum | Canada | ERS784856 | ERS4267702 | GCA_902830355 | 81 (Illumina) | 7.89 | 67.01 | 175,882 |
| <i>Burkholderia cenocepacia</i> | BCC0017 | Clinical, sputum | Canada | ERS785082 | ERS4267703 | GCA_902830435 | 79 (Illumina) | 8.10 | 67.17 | 243,601 |
| <i>Burkholderia cepacia</i> | BCC0018 | Clinical, cystic fibrosis patient | UK | ERS785027 | ERS4267704 | GCA_902830685 | 59 (Illumina) | 8.54 | 66.76 | 891,303 |
| <i>Burkholderia cenocepacia</i> | BCC0020 | Clinical, cystic fibrosis patient | Australia | ERS784871 | ERS4267705 | GCA_902830475 | 88 (Illumina) | 7.30 | 66.88 | 536,526 |
| <i>Burkholderia cenocepacia</i> | BCC0048 | Clinical, non-cystic fibrosis patient | France | ERS784998 | ERS4267706 | GCA_902830385 | 64 (Illumina) | 8.32 | 66.91 | 293,098 |
| <i>Burkholderia</i> sp. | BCC0097 | Clinical, respiratory sample | Canada | ERS784888 | ERS4267707 | GCA_902832985 | 65 (Illumina) | 7.94 | 66.71 | 613,508 |
| <i>Burkholderia cenocepacia</i> | BCC0107 | Clinical, sputum | Canada | ERS785010 | ERS4267708 | GCA_902830455 | 68 (Illumina) | 8.19 | 67.10 | 293,110 |
| <i>Burkholderia cenocepacia</i> | BCC0127 | Clinical, sputum | USA | ERS785018 | ERS4267709 | GCA_902830405 | 71 (Illumina) | 7.73 | 66.79 | 420,157 |
| <i>Burkholderia cenocepacia</i> | BCC0132 | Clinical, sputum | Canada | ERS785057 | ERS4267710 | GCA_902830775 | 64 (Illumina) | 8.46 | 66.61 | 151,177 |
| <i>Burkholderia cenocepacia</i> | BCC0138 | Clinical | Canada | ERS785048 | ERS4267711 | GCA_902830465 | 67 (Illumina) | 7.99 | 67.24 | 228,664 |
| <i>Burkholderia cenocepacia</i> | BCC0160 | Clinical | USA | ERS784903 | ERS4267712 | GCA_902830505 | 81 (Illumina) | 6.98 | 66.93 | 421,783 |
| <i>Burkholderia cenocepacia</i> | BCC0165 | Clinical, cystic fibrosis patient | Belgium | ERS785066 | ERS4267713 | GCA_902830495 | 73 (Illumina) | 7.52 | 66.96 | 1,954,875 |
| <i>Burkholderia cenocepacia</i> | BCC0199 | Environmental | USA | ERS785064 | ERS4267714 | GCA_902830545 | 72 (Illumina) | 7.97 | 66.66 | 275,726 |
| <i>Burkholderia cenocepacia</i> | BCC0202 | Environmental | USA | ERS784992 | ERS4267715 | GCA_902830535 | 84 (Illumina) | 7.61 | 66.87 | 596,170 |
| <i>Burkholderia cenocepacia</i> | BCC0313 | Clinical | | ERS784920 | ERS4267716 | GCA_902830515 | 77 (Illumina) | 8.62 | 65.53 | 301,741 |
| <i>Burkholderia cenocepacia</i> | BCC0320 | Environmental, radish | Mexico | ERS784936 | ERS4267717 | GCA_902830835 | 84 (Illumina) | 8.33 | 66.35 | 606,600 |
| <i>Burkholderia cenocepacia</i> | BCC0451 | Environmental, maize | | ERS784950 | ERS4267718 | GCA_902830565 | 91 (Illumina) | 7.52 | 66.92 | 1,207,947 |
| <i>Burkholderia</i> sp. | BCC0506 | Clinical, cystic fibrosis patient | Italy | ERS784858 | ERS4267719 | GCA_902833145 | 90 (Illumina) | 7.29 | 67.22 | 506,111 |
| <i>Burkholderia</i> sp. | BCC0801 | Clinical, cystic fibrosis patient | Argentina | ERS784873 | ERS4267720 | GCA_902833175 | 88 (Illumina) | 7.50 | 67.06 | 298,805 |
| <i>Burkholderia cenocepacia</i> | BCC0999 | Environmental | | ERS784803 | ERS4267721 | GCA_902830585 | 96 (Illumina) | 7.62 | 66.81 | 225,632 |
| <i>Burkholderia cenocepacia</i> | BCC1028 | Environmental | | ERS784811 | ERS4267722 | GCA_902830605 | 91 (Illumina) | 7.59 | 66.87 | 470,293 |
| <i>Burkholderia</i> sp. | BCC1208 | Environmental, lupine shoot endophyte | Australia | ERS784827 | ERS4267723 | GCA_902833095 | 91 (Illumina) | 7.38 | 66.96 | 490,408 |
| <i>Burkholderia cenocepacia</i> | BCC1266 | Environmental | | ERS785055 | ERS4267724 | GCA_902830595 | 65 (Illumina) | 7.92 | 66.65 | 259,121 |
| <i>Burkholderia cenocepacia</i> | BCC1322 | Environmental/industrial | | ERS784842 | ERS4267725 | GCA_902829445 | 82 (Illumina) | 7.94 | 66.75 | 571,121 |
| <i>Burkholderia cenocepacia</i> | BCC1556 | Environmental/industrial | UK | ERS785001 | ERS4267726 | GCA_902830525 | 78 (Illumina) | 7.21 | 67.13 | 1,136,705 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (x) (technology) | Genome size (Mbp) | GC content (%) | N ₅₀ (bp) |
|---------------------------------------|---------|-----------------------------------|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|----------------------|
| <i>Burkholderia cepacia</i> | BCC1631 | Environmental | | ERS1328961 | ERS4267727 | GCA_902830715 | 71 (Illumina) | 8.72 | 66.64 | 276,956 |
| <i>Burkholderia cepacia</i> | BCC1632 | Environmental | | ERS1328848 | ERS4267728 | GCA_902830785 | 83 (Illumina) | 8.83 | 66.59 | 273,961 |
| <i>Burkholderia cepacia</i> | BCC1634 | Environmental | | ERS1328849 | ERS4267729 | GCA_902830765 | 90 (Illumina) | 7.59 | 66.62 | 403,579 |
| <i>Burkholderia cepacia</i> | BCC1636 | Environmental | | ERS1328850 | ERS4267730 | GCA_902829425 | 88 (Illumina) | 8.48 | 66.70 | 266,835 |
| <i>Burkholderia cepacia</i> | BCC1641 | Environmental | Malaysia | ERS1328925 | ERS4267731 | GCA_902830805 | 80 (Illumina) | 8.72 | 66.64 | 256,085 |
| <i>Burkholderia</i> sp. | BCC1644 | Environmental | | ERS1371646 | ERS4267732 | GCA_902833225 | 71 (Illumina) | 8.25 | 66.71 | 390,260 |
| <i>Burkholderia cenocepacia</i> | BCC1718 | Clinical | | ERS785000 | ERS4267733 | GCA_902830555 | 70 (Illumina) | 7.70 | 66.81 | 543,487 |
| <i>Burkholderia cepacia</i> | BCC0001 | Environmental, onion | | ERS784996 | ERS4267734 | GCA_902830625 | 67 (Illumina) | 8.51 | 66.65 | 467,216 |
| <i>Burkholderia cepacia</i> | BCC0002 | Environmental, forest soil | Trinidad and Tobago | ERS784890 | ERS4267735 | GCA_902830635 | 68 (Illumina) | 8.54 | 66.76 | 891,307 |
| <i>Burkholderia cepacia</i> | BCC0003 | Clinical, cystic fibrosis patient | Australia | ERS784995 | ERS4267736 | GCA_902830665 | 68 (Illumina) | 8.51 | 66.29 | 289,400 |
| <i>Burkholderia cepacia</i> | BCC0196 | Environmental, grass | | ERS784922 | ERS4267737 | GCA_902830615 | 75 (Illumina) | 8.53 | 66.58 | 453,915 |
| <i>Burkholderia ambifaria</i> | BCC0200 | Environmental | | ERS785045 | ERS4267738 | GCA_902829565 | 76 (Illumina) | 7.63 | 66.55 | 331,719 |
| <i>Burkholderia cepacia</i> | BCC0233 | Environmental | | ERS785054 | ERS4267739 | GCA_902830645 | 66 (Illumina) | 8.82 | 66.50 | 775,678 |
| <i>Burkholderia cepacia</i> | BCC0256 | Clinical, sputum | | ERS784905 | ERS4267740 | GCA_902830655 | 59 (Illumina) | 9.19 | 66.32 | 987,550 |
| <i>Burkholderia cepacia</i> | BCC0367 | Clinical | New Zealand | ERS784937 | ERS4267741 | GCA_902830675 | 86 (Illumina) | 8.68 | 66.51 | 796,538 |
| <i>Burkholderia cepacia</i> | BCC0970 | Environmental | | ERS784952 | ERS4267742 | GCA_902830695 | 77 (Illumina) | 8.37 | 66.76 | 428,681 |
| <i>Burkholderia cepacia</i> | BCC0974 | Environmental | | ERS784967 | ERS4267743 | GCA_902830705 | 86 (Illumina) | 8.59 | 66.74 | 450,214 |
| <i>Burkholderia cepacia</i> | BCC0977 | Environmental | | ERS784804 | ERS4267744 | GCA_902830755 | 106 (Illumina) | 6.93 | 67.06 | 573,127 |
| <i>Burkholderia cepacia</i> | BCC1058 | Environmental | | ERS784813 | ERS4267745 | GCA_902830745 | 81 (Illumina) | 8.37 | 66.76 | 505,601 |
| <i>Burkholderia cepacia</i> | BCC1273 | Environmental | | ERS784829 | ERS4267746 | GCA_902830735 | 80 (Illumina) | 8.51 | 66.80 | 984,555 |
| <i>Burkholderia</i> sp. | BCC1640 | Environmental | Malaysia | ERS1328852 | ERS4267747 | GCA_902833125 | 92 (Illumina) | 7.20 | 66.40 | 186,730 |
| <i>Burkholderia</i> sp. | BCC0044 | Clinical, cystic fibrosis patient | UK | ERS785043 | ERS4267748 | GCA_902832955 | 70 (Illumina) | 8.04 | 66.82 | 1,287,212 |
| <i>Burkholderia</i> sp. | BCC0322 | Clinical, cystic fibrosis patient | UK | ERS784908 | ERS4267749 | GCA_902833045 | 71 (Illumina) | 7.75 | 66.27 | 527,417 |
| <i>Burkholderia</i> sp. | BCC0397 | Clinical | | ERS784940 | ERS4267750 | GCA_902832865 | 71 (Illumina) | 8.16 | 66.81 | 442,581 |
| <i>Burkholderia</i> sp. | BCC0398 | Environmental | | ERS785051 | ERS4267751 | GCA_902833245 | 65 (Illumina) | 8.01 | 66.54 | 387,212 |
| <i>Burkholderia</i> sp. | BCC0405 | Environmental | | ERS784923 | ERS4267752 | GCA_902833075 | 71 (Illumina) | 7.98 | 66.08 | 309,371 |
| <i>Burkholderia</i> sp. | BCC0419 | Environmental, maize | | ERS784958 | ERS4267753 | GCA_902830285 | 66 (Illumina) | 8.18 | 66.71 | 1,058,720 |
| <i>Burkholderia</i> sp. | BCC1047 | Environmental | | ERS784973 | ERS4267754 | GCA_902833155 | 83 (Illumina) | 7.79 | 66.79 | 153,691 |
| <i>Burkholderia pseudomultivorans</i> | BCC1191 | Clinical | | ERS785049 | ERS4267755 | GCA_902832925 | 73 (Illumina) | 7.55 | 67.02 | 243,992 |
| <i>Burkholderia contaminans</i> | BCC0123 | Clinical, sputum | USA | ERS785009 | ERS4267756 | GCA_902830725 | 60 (Illumina) | 8.77 | 66.35 | 548,891 |
| <i>Burkholderia contaminans</i> | BCC0254 | Clinical, sputum | Australia | ERS784845 | ERS4267757 | GCA_902830865 | 79 (Illumina) | 8.35 | 66.00 | 564,071 |
| <i>Burkholderia contaminans</i> | BCC0339 | Clinical | | ERS784860 | ERS4267758 | GCA_902830845 | 76 (Illumina) | 8.29 | 66.39 | 1,070,961 |
| <i>Burkholderia contaminans</i> | BCC1315 | Environmental/industrial | | ERS784875 | ERS4267759 | GCA_902830875 | 75 (Illumina) | 8.02 | 66.62 | 652,822 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (×) (technology) | Genome size (Mbp) | GC content (%) | <i>N</i> ₅₀ (bp) |
|------------------------------|-----------|--|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|-----------------------------|
| <i>Burkholderia diffusa</i> | BCC0106 | Clinical, cystic fibrosis patient throat | Canada | ERS785072 | ERS4267760 | GCA_902830825 | 72 (Illumina) | 7.80 | 65.92 | 283,477 |
| <i>Burkholderia diffusa</i> | BCC0109 | Clinical, respiratory sample | Canada | ERS785028 | ERS4267761 | GCA_902830855 | 76 (Illumina) | 7.23 | 66.15 | 216,537 |
| <i>Burkholderia diffusa</i> | LMG 29043 | Environmental, soil | USA | ERS4267762 | ERS4267762 | GCA_902830815 | 180 (Illumina) | 7.15 | 66.50 | 236,915 |
| <i>Burkholderia dolosa</i> | BCC0306 | Clinical | USA | ERS785034 | ERS4267763 | GCA_902829575 | 75 (Illumina) | 6.50 | 67.06 | 519,080 |
| <i>Burkholderia gladioli</i> | BCC0238 | Clinical, sputum | USA | ERS333128 | ERS4267764 | GCA_902830885 | 63 (Illumina) | 8.55 | 68.00 | 479,899 |
| <i>Burkholderia gladioli</i> | BCC0252 | Clinical, sputum | Australia | ERS784955 | ERS4267765 | GCA_902830905 | 89 (Illumina) | 8.22 | 68.09 | 289,654 |
| <i>Burkholderia gladioli</i> | BCC0507 | Clinical, cystic fibrosis patient | Italy | ERS784970 | ERS4267766 | GCA_902830895 | 92 (Illumina) | 8.36 | 68.13 | 335,266 |
| <i>Burkholderia gladioli</i> | BCC0771 | Environmental, <i>Gladiolus</i> sp. | USA | ERS784806 | ERS4267767 | GCA_902830915 | 80 (Illumina) | 8.80 | 67.72 | 967,784 |
| <i>Burkholderia gladioli</i> | BCC1317 | Environmental/ industrial | UK | ERS785017 | ERS4267768 | GCA_902830925 | 59 (Illumina) | 8.77 | 67.93 | 552,562 |
| <i>Burkholderia gladioli</i> | BCC1619 | Clinical | USA | ERS784817 | ERS4267769 | GCA_902830945 | 89 (Illumina) | 7.88 | 68.13 | 868,935 |
| <i>Burkholderia gladioli</i> | BCC1620 | Clinical | USA | ERS784832 | ERS4267770 | GCA_902830985 | 80 (Illumina) | 8.19 | 68.09 | 416,357 |
| <i>Burkholderia gladioli</i> | BCC1621 | Clinical | USA | ERS784849 | ERS4267771 | GCA_902830995 | 75 (Illumina) | 8.48 | 67.95 | 434,143 |
| <i>Burkholderia gladioli</i> | BCC1622 | Clinical | USA | ERS784864 | ERS4267772 | GCA_902830955 | 79 (Illumina) | 8.41 | 68.05 | 615,150 |
| <i>Burkholderia gladioli</i> | BCC1623 | Clinical | USA | ERS784879 | ERS4267773 | GCA_902830935 | 75 (Illumina) | 8.44 | 67.87 | 365,793 |
| <i>Burkholderia gladioli</i> | BCC1624 | Clinical | USA | ERS784895 | ERS4267774 | GCA_902830975 | 81 (Illumina) | 7.88 | 68.14 | 430,243 |
| <i>Burkholderia gladioli</i> | BCC1645 | Environmental, <i>Allium cepa</i> bulb | Australia | ERS784911 | ERS4267775 | GCA_902830965 | 73 (Illumina) | 8.61 | 67.87 | 383,325 |
| <i>Burkholderia gladioli</i> | BCC1646 | Environmental, <i>Allium cepa</i> | India | ERS784928 | ERS4267776 | GCA_902831005 | 78 (Illumina) | 8.39 | 67.96 | 286,552 |
| <i>Burkholderia gladioli</i> | BCC1647 | Environmental, <i>Gladiolus</i> sp. | USA | ERS784943 | ERS4267777 | GCA_902831075 | 73 (Illumina) | 8.88 | 67.70 | 561,180 |
| <i>Burkholderia gladioli</i> | BCC1648 | Environmental | USA | ERS784957 | ERS4267778 | GCA_902831035 | 79 (Illumina) | 8.62 | 67.87 | 310,631 |
| <i>Burkholderia gladioli</i> | BCC1649 | Environmental, <i>Gladiolus</i> sp. | Zimbabwe | ERS784812 | ERS4267779 | GCA_902831025 | 67 (Illumina) | 8.25 | 68.30 | 554,529 |
| <i>Burkholderia gladioli</i> | BCC1650 | Environmental, poisoned bongkre | Indonesia | ERS784828 | ERS4267780 | GCA_902831015 | 67 (Illumina) | 8.10 | 68.24 | 708,245 |
| <i>Burkholderia gladioli</i> | BCC1651 | Clinical | USA | ERS784844 | ERS4267781 | GCA_902829385 | 68 (Illumina) | 7.94 | 68.29 | 595,470 |
| <i>Burkholderia gladioli</i> | BCC1661 | Clinical | USA | ERS784861 | ERS4267782 | GCA_902831055 | 63 (Illumina) | 8.33 | 68.06 | 632,785 |
| <i>Burkholderia gladioli</i> | BCC1662 | Clinical | USA | ERS784878 | ERS4267783 | GCA_902831065 | 65 (Illumina) | 8.51 | 68.05 | 410,006 |
| <i>Burkholderia gladioli</i> | BCC1663 | Clinical | USA | ERS784894 | ERS4267784 | GCA_902831085 | 82 (Illumina) | 8.51 | 68.05 | 410,015 |
| <i>Burkholderia gladioli</i> | BCC1664 | Clinical | USA | ERS784910 | ERS4267785 | GCA_902831045 | 62 (Illumina) | 8.51 | 68.06 | 378,407 |
| <i>Burkholderia gladioli</i> | BCC1665 | Clinical | USA | ERS784925 | ERS4267786 | GCA_902831105 | 72 (Illumina) | 8.33 | 68.06 | 601,921 |
| <i>Burkholderia gladioli</i> | BCC1666 | Clinical | USA | ERS784942 | ERS4267787 | GCA_902831115 | 70 (Illumina) | 8.51 | 68.05 | 408,038 |
| <i>Burkholderia gladioli</i> | BCC1667 | Clinical | UK | ERS784960 | ERS4267788 | GCA_902831095 | 71 (Illumina) | 8.49 | 67.84 | 427,447 |
| <i>Burkholderia gladioli</i> | BCC1668 | Clinical | UK | ERS784974 | ERS4267789 | GCA_902831165 | 75 (Illumina) | 8.46 | 67.97 | 603,154 |
| <i>Burkholderia gladioli</i> | BCC1669 | Clinical | UK | ERS784982 | ERS4267790 | GCA_902831175 | 78 (Illumina) | 8.18 | 68.14 | 485,051 |
| <i>Burkholderia gladioli</i> | BCC1670 | Clinical | UK | ERS784814 | ERS4267791 | GCA_902829325 | 68 (Illumina) | 8.29 | 68.03 | 309,426 |
| <i>Burkholderia gladioli</i> | BCC1671 | Clinical | UK | ERS784830 | ERS4267792 | GCA_902831225 | 62 (Illumina) | 8.36 | 68.09 | 369,886 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (x) (technology) | Genome size (Mbp) | GC content (%) | <i>N</i> ₅₀ (bp) |
|-----------------------------------|---------|------------------|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|-----------------------------|
| <i>Burkholderia gladioli</i> | BCC1672 | Clinical | UK | ERS784846 | ERS4267793 | GCA_902831265 | 63 (Illumina) | 8.28 | 68.03 | 287,015 |
| <i>Burkholderia gladioli</i> | BCC1674 | Clinical | UK | ERS784994 | ERS4267794 | GCA_902831195 | 68 (Illumina) | 8.44 | 67.87 | 356,821 |
| <i>Burkholderia gladioli</i> | BCC1675 | Clinical | USA | ERS785062 | ERS4267795 | GCA_902831215 | 70 (Illumina) | 8.09 | 68.09 | 936,495 |
| <i>Burkholderia gladioli</i> | BCC1676 | Clinical | USA | ERS784863 | ERS4267796 | GCA_902831315 | 70 (Illumina) | 7.99 | 68.26 | 467,101 |
| <i>Burkholderia gladioli</i> | BCC1677 | Clinical | USA | ERS785071 | ERS4267797 | GCA_902831155 | 75 (Illumina) | 8.11 | 68.25 | 632,433 |
| <i>Burkholderia gladioli</i> | BCC1678 | Clinical | USA | ERS784880 | ERS4267798 | GCA_902831285 | 71 (Illumina) | 7.83 | 68.04 | 235,084 |
| <i>Burkholderia gladioli</i> | BCC1679 | Clinical | USA | ERS784896 | ERS4267799 | GCA_902831135 | 73 (Illumina) | 8.12 | 68.09 | 272,665 |
| <i>Burkholderia gladioli</i> | BCC1680 | Clinical | USA | ERS784912 | ERS4267800 | GCA_902831205 | 68 (Illumina) | 7.97 | 68.00 | 411,881 |
| <i>Burkholderia gladioli</i> | BCC1681 | Clinical | USA | ERS784927 | ERS4267801 | GCA_902831305 | 79 (Illumina) | 7.33 | 68.09 | 382,283 |
| <i>Burkholderia gladioli</i> | BCC1682 | Clinical | USA | ERS784944 | ERS4267802 | GCA_902829635 | 82 (Illumina) | 7.95 | 68.03 | 428,648 |
| <i>Burkholderia gladioli</i> | BCC1683 | Clinical | USA | ERS784962 | ERS4267803 | GCA_902831235 | 64 (Illumina) | 8.31 | 68.17 | 886,986 |
| <i>Burkholderia gladioli</i> | BCC1684 | Clinical | USA | ERS784975 | ERS4267804 | GCA_902831185 | 76 (Illumina) | 8.39 | 67.96 | 576,064 |
| <i>Burkholderia gladioli</i> | BCC1685 | Clinical | USA | ERS784983 | ERS4267805 | GCA_902829495 | 81 (Illumina) | 7.95 | 68.03 | 314,381 |
| <i>Burkholderia gladioli</i> | BCC1686 | Clinical | USA | ERS784816 | ERS4267806 | GCA_902831255 | 88 (Illumina) | 8.34 | 68.06 | 728,975 |
| <i>Burkholderia gladioli</i> | BCC1687 | Clinical | USA | ERS784833 | ERS4267807 | GCA_902831145 | 65 (Illumina) | 8.19 | 68.21 | 336,464 |
| <i>Burkholderia gladioli</i> | BCC1688 | Clinical | USA | ERS784848 | ERS4267808 | GCA_902831125 | 67 (Illumina) | 8.46 | 68.14 | 319,266 |
| <i>Burkholderia gladioli</i> | BCC1689 | Clinical | USA | ERS784865 | ERS4267809 | GCA_902831275 | 71 (Illumina) | 8.26 | 67.94 | 353,209 |
| <i>Burkholderia gladioli</i> | BCC1690 | Clinical | USA | ERS784881 | ERS4267810 | GCA_902831295 | 71 (Illumina) | 8.48 | 67.94 | 433,041 |
| <i>Burkholderia gladioli</i> | BCC1691 | Clinical | USA | ERS784898 | ERS4267811 | GCA_902831245 | 78 (Illumina) | 8.43 | 68.04 | 1,964,774 |
| <i>Burkholderia gladioli</i> | BCC1692 | Clinical | USA | ERS784914 | ERS4267812 | GCA_902831375 | 65 (Illumina) | 8.39 | 67.98 | 810,454 |
| <i>Burkholderia gladioli</i> | BCC1693 | Clinical | USA | ERS784929 | ERS4267813 | GCA_902831395 | 79 (Illumina) | 8.22 | 68.10 | 668,608 |
| <i>Burkholderia gladioli</i> | BCC1694 | Clinical | USA | ERS784946 | ERS4267814 | GCA_902831415 | 69 (Illumina) | 8.48 | 67.90 | 688,705 |
| <i>Burkholderia gladioli</i> | BCC1695 | Clinical | USA | ERS784964 | ERS4267815 | GCA_902831335 | 78 (Illumina) | 7.91 | 68.06 | 538,303 |
| <i>Burkholderia gladioli</i> | BCC1696 | Clinical | USA | ERS784976 | ERS4267816 | GCA_902831405 | 84 (Illumina) | 8.28 | 68.19 | 429,819 |
| <i>Burkholderia gladioli</i> | BCC1697 | Clinical | USA | ERS784984 | ERS4267817 | GCA_902831465 | 78 (Illumina) | 8.09 | 68.02 | 652,756 |
| <i>Burkholderia gladioli</i> | BCC1698 | Clinical | USA | ERS784818 | ERS4267818 | GCA_902831425 | 77 (Illumina) | 8.50 | 68.10 | 434,629 |
| <i>Burkholderia gladioli</i> | BCC1699 | Clinical | USA | ERS784834 | ERS4267819 | GCA_902831435 | 66 (Illumina) | 8.35 | 67.87 | 354,820 |
| <i>Burkholderia gladioli</i> | BCC1700 | Clinical | USA | ERS784851 | ERS4267820 | GCA_902831515 | 67 (Illumina) | 8.49 | 68.08 | 1,416,119 |
| <i>Burkholderia gladioli</i> | BCC1701 | Clinical | USA | ERS784867 | ERS4267821 | GCA_902829355 | 67 (Illumina) | 8.15 | 67.98 | 280,973 |
| <i>Burkholderia gladioli</i> | BCC1703 | Clinical | USA | ERS785056 | ERS4267822 | GCA_902831355 | 64 (Illumina) | 8.29 | 68.22 | 599,795 |
| <i>Caballeronia</i> sp. | BCC1704 | Clinical | USA | ERS784900 | ERS4267823 | GCA_902833455 | 87 (Illumina) | 5.98 | 63.70 | 1,316,445 |
| <i>Burkholderia gladioli</i> | BCC1705 | Clinical | USA | ERS784916 | ERS4267824 | GCA_902831345 | 79 (Illumina) | 8.15 | 68.17 | 551,683 |
| <i>Caballeronia zhejiangensis</i> | BCC1706 | Clinical | USA | ERS784931 | ERS4267825 | GCA_902833575 | 80 (Illumina) | 7.02 | 63.19 | 368,929 |
| <i>Burkholderia gladioli</i> | BCC1707 | Clinical | USA | ERS784948 | ERS4267826 | GCA_902831505 | 81 (Illumina) | 8.01 | 68.22 | 534,508 |
| <i>Burkholderia gladioli</i> | BCC1708 | Clinical | USA | ERS784966 | ERS4267827 | GCA_902831455 | 80 (Illumina) | 8.34 | 68.03 | 945,197 |
| <i>Burkholderia gladioli</i> | BCC1709 | Clinical | USA | ERS785035 | ERS4267828 | GCA_902831485 | 62 (Illumina) | 8.47 | 68.12 | 414,686 |
| <i>Burkholderia gladioli</i> | BCC1710 | Clinical | USA | ERS785039 | ERS4267829 | GCA_902831495 | 66 (Illumina) | 8.38 | 68.02 | 615,977 |
| <i>Burkholderia gladioli</i> | BCC1711 | Clinical | USA | ERS785006 | ERS4267830 | GCA_902831365 | 71 (Illumina) | 8.35 | 68.06 | 335,836 |
| <i>Burkholderia gladioli</i> | BCC1712 | Clinical | USA | ERS785025 | ERS4267831 | GCA_902831475 | 61 (Illumina) | 8.21 | 68.08 | 388,388 |
| <i>Burkholderia gladioli</i> | BCC1713 | Clinical | USA | ERS785074 | ERS4267832 | GCA_902831445 | 66 (Illumina) | 8.47 | 68.05 | 147,146 |
| <i>Burkholderia gladioli</i> | BCC1714 | Clinical | USA | ERS785080 | ERS4267833 | GCA_902831385 | 71 (Illumina) | 8.50 | 68.08 | 361,363 |
| <i>Burkholderia gladioli</i> | BCC1715 | Clinical | USA | ERS784977 | ERS4267834 | GCA_902831325 | 82 (Illumina) | 7.97 | 68.14 | 954,999 |
| <i>Burkholderia gladioli</i> | BCC1716 | Clinical | USA | ERS785052 | ERS4267835 | GCA_902831605 | 66 (Illumina) | 8.50 | 67.87 | 385,075 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (x) (technology) | Genome size (Mbp) | GC content (%) | N ₅₀ (bp) |
|------------------------------|---------|------------------|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|----------------------|
| <i>Burkholderia gladioli</i> | BCC1717 | Clinical | USA | ERS785014 | ERS4267836 | GCA_902831675 | 58 (Illumina) | 8.43 | 67.93 | 430,020 |
| <i>Burkholderia gladioli</i> | BCC1719 | Clinical | USA | ERS785042 | ERS4267837 | GCA_902831715 | 62 (Illumina) | 7.99 | 68.17 | 429,154 |
| <i>Burkholderia gladioli</i> | BCC1720 | Clinical | USA | ERS784985 | ERS4267838 | GCA_902831695 | 83 (Illumina) | 7.91 | 68.29 | 770,588 |
| <i>Burkholderia gladioli</i> | BCC1721 | Clinical | USA | ERS784820 | ERS4267839 | GCA_902831535 | 87 (Illumina) | 8.22 | 68.23 | 1,289,329 |
| <i>Burkholderia gladioli</i> | BCC1722 | Clinical | USA | ERS784836 | ERS4267840 | GCA_902831595 | 71 (Illumina) | 8.00 | 68.18 | 346,974 |
| <i>Burkholderia gladioli</i> | BCC1723 | Clinical | USA | ERS784853 | ERS4267841 | GCA_902831645 | 69 (Illumina) | 8.19 | 68.25 | 1,570,053 |
| <i>Burkholderia gladioli</i> | BCC1724 | Clinical | USA | ERS785060 | ERS4267842 | GCA_902831545 | 60 (Illumina) | 8.52 | 68.03 | 505,438 |
| <i>Burkholderia gladioli</i> | BCC1725 | Clinical | USA | ERS784869 | ERS4267843 | GCA_902831555 | 62 (Illumina) | 8.57 | 68.03 | 521,790 |
| <i>Burkholderia gladioli</i> | BCC1726 | Clinical | USA | ERS784885 | ERS4267844 | GCA_902831525 | 71 (Illumina) | 8.13 | 68.29 | 848,284 |
| <i>Burkholderia gladioli</i> | BCC1727 | Clinical | USA | ERS785068 | ERS4267845 | GCA_902829345 | 74 (Illumina) | 8.16 | 68.29 | 921,754 |
| <i>Burkholderia gladioli</i> | BCC1728 | Clinical | USA | ERS785003 | ERS4267846 | GCA_902831685 | 67 (Illumina) | 8.13 | 68.29 | 391,569 |
| <i>Burkholderia gladioli</i> | BCC1729 | Clinical | USA | ERS784902 | ERS4267847 | GCA_902831705 | 69 (Illumina) | 8.38 | 67.89 | 662,719 |
| <i>Burkholderia gladioli</i> | BCC1730 | Clinical | USA | ERS784917 | ERS4267848 | GCA_902829545 | 70 (Illumina) | 8.54 | 68.12 | 793,173 |
| <i>Burkholderia gladioli</i> | BCC1731 | Clinical | USA | ERS784997 | ERS4267849 | GCA_902831635 | 62 (Illumina) | 8.50 | 67.97 | 339,104 |
| <i>Burkholderia gladioli</i> | BCC1732 | Clinical | USA | ERS784933 | ERS4267850 | GCA_902829585 | 69 (Illumina) | 8.82 | 67.67 | 606,420 |
| <i>Burkholderia gladioli</i> | BCC1733 | Clinical | USA | ERS784951 | ERS4267851 | GCA_902831575 | 73 (Illumina) | 8.47 | 68.03 | 519,208 |
| <i>Burkholderia gladioli</i> | BCC1734 | Clinical | USA | ERS785079 | ERS4267852 | GCA_902831585 | 78 (Illumina) | 8.20 | 68.24 | 757,647 |
| <i>Burkholderia gladioli</i> | BCC1735 | Clinical | USA | ERS785008 | ERS4267853 | GCA_902831665 | 69 (Illumina) | 7.93 | 67.98 | 388,060 |
| <i>Burkholderia gladioli</i> | BCC1754 | Clinical | USA | ERS1371583 | ERS4267854 | GCA_902829365 | 64 (Illumina) | 8.38 | 68.20 | 416,499 |
| <i>Burkholderia gladioli</i> | BCC1755 | Clinical | USA | ERS1328941 | ERS4267855 | GCA_902831625 | 67 (Illumina) | 8.27 | 68.20 | 324,811 |
| <i>Burkholderia gladioli</i> | BCC1756 | Clinical | USA | ERS1328753 | ERS4267856 | GCA_902831655 | 75 (Illumina) | 7.75 | 68.11 | 264,066 |
| <i>Burkholderia gladioli</i> | BCC1757 | Clinical | USA | ERS1371584 | ERS4267857 | GCA_902831565 | 77 (Illumina) | 8.11 | 68.25 | 281,288 |
| <i>Burkholderia gladioli</i> | BCC1758 | Clinical | USA | ERS1371585 | ERS4267858 | GCA_902831615 | 70 (Illumina) | 8.42 | 68.16 | 347,044 |
| <i>Burkholderia gladioli</i> | BCC1759 | Clinical | USA | ERS1333276 | ERS4267859 | GCA_902831785 | 71 (Illumina) | 8.42 | 67.93 | 202,663 |
| <i>Burkholderia gladioli</i> | BCC1760 | Clinical | USA | ERS1371586 | ERS4267860 | GCA_902831885 | 74 (Illumina) | 8.15 | 68.21 | 351,231 |
| <i>Burkholderia gladioli</i> | BCC1761 | Clinical | USA | ERS1371587 | ERS4267861 | GCA_902831865 | 72 (Illumina) | 8.11 | 68.15 | 227,067 |
| <i>Burkholderia gladioli</i> | BCC1762 | Clinical | USA | ERS1328756 | ERS4267862 | GCA_902831745 | 78 (Illumina) | 8.38 | 67.86 | 232,045 |
| <i>Burkholderia gladioli</i> | BCC1763 | Clinical | USA | ERS1328942 | ERS4267863 | GCA_902831845 | 70 (Illumina) | 8.73 | 68.08 | 409,905 |
| <i>Burkholderia gladioli</i> | BCC1764 | Clinical | USA | ERS1371588 | ERS4267864 | GCA_902831775 | 76 (Illumina) | 7.95 | 68.19 | 273,951 |
| <i>Burkholderia gladioli</i> | BCC1765 | Clinical | USA | ERS1328883 | ERS4267865 | GCA_902831855 | 76 (Illumina) | 8.06 | 68.10 | 267,531 |
| <i>Burkholderia gladioli</i> | BCC1766 | Clinical | USA | ERS1371589 | ERS4267866 | GCA_902831735 | 77 (Illumina) | 8.28 | 67.89 | 275,070 |
| <i>Burkholderia gladioli</i> | BCC1767 | Clinical | USA | ERS1371590 | ERS4267867 | GCA_902831875 | 79 (Illumina) | 8.15 | 68.28 | 365,649 |
| <i>Burkholderia gladioli</i> | BCC1768 | Clinical | USA | ERS1371591 | ERS4267868 | GCA_902831905 | 71 (Illumina) | 8.26 | 68.11 | 226,248 |
| <i>Burkholderia gladioli</i> | BCC1769 | Clinical | USA | ERS1328884 | ERS4267869 | GCA_902831815 | 67 (Illumina) | 8.37 | 68.02 | 248,528 |
| <i>Burkholderia gladioli</i> | BCC1770 | Clinical | USA | ERS1328772 | ERS4267870 | GCA_902831755 | 61 (Illumina) | 8.42 | 67.98 | 261,993 |
| <i>Burkholderia gladioli</i> | BCC1771 | Clinical | USA | ERS1328943 | ERS4267871 | GCA_902831805 | 58 (Illumina) | 8.41 | 67.99 | 303,762 |
| <i>Burkholderia gladioli</i> | BCC1772 | Clinical | USA | ERS1328773 | ERS4267872 | GCA_902831895 | 58 (Illumina) | 8.44 | 68.03 | 340,707 |
| <i>Burkholderia gladioli</i> | BCC1773 | Clinical | USA | ERS1328885 | ERS4267873 | GCA_902829405 | 55 (Illumina) | 8.08 | 68.21 | 264,067 |
| <i>Burkholderia gladioli</i> | BCC1774 | Clinical | USA | ERS1371592 | ERS4267874 | GCA_902831835 | 70 (Illumina) | 7.89 | 68.10 | 264,045 |
| <i>Burkholderia gladioli</i> | BCC1775 | Clinical | USA | ERS1333277 | ERS4267875 | GCA_902831915 | 65 (Illumina) | 8.38 | 68.13 | 332,589 |
| <i>Burkholderia gladioli</i> | BCC1777 | Clinical | USA | ERS1328886 | ERS4267877 | GCA_902831795 | 67 (Illumina) | 7.93 | 68.09 | 275,756 |
| <i>Burkholderia gladioli</i> | BCC1778 | Clinical | USA | ERS1328776 | ERS4267878 | GCA_902831825 | 66 (Illumina) | 8.30 | 68.04 | 284,651 |
| <i>Burkholderia gladioli</i> | BCC1779 | Clinical | USA | ERS1328944 | ERS4267879 | GCA_902831765 | 65 (Illumina) | 8.27 | 68.02 | 190,616 |
| <i>Burkholderia gladioli</i> | BCC1780 | Clinical | USA | ERS1328777 | ERS4267880 | GCA_902831945 | 72 (Illumina) | 8.45 | 67.76 | 220,441 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (×) (technology) | Genome size (Mbp) | GC content (%) | <i>N</i> ₅₀ (bp) |
|------------------------------------|---------|------------------|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|-----------------------------|
| <i>Burkholderia gladioli</i> | BCC1781 | Clinical | USA | ERS1328887 | ERS4267881 | GCA_902831975 | 69 (Illumina) | 7.99 | 68.16 | 208,905 |
| <i>Burkholderia gladioli</i> | BCC1782 | Clinical | USA | ERS1328778 | ERS4267882 | GCA_902829555 | 62 (Illumina) | 8.00 | 68.24 | 264,129 |
| <i>Burkholderia gladioli</i> | BCC1783 | Clinical | USA | ERS1336060 | ERS4267883 | GCA_902829505 | 61 (Illumina) | 8.39 | 67.96 | 224,024 |
| <i>Burkholderia gladioli</i> | BCC1784 | Clinical | USA | ERS1328888 | ERS4267884 | GCA_902831925 | 75 (Illumina) | 8.13 | 68.17 | 273,802 |
| <i>Burkholderia gladioli</i> | BCC1785 | Clinical | USA | ERS1328779 | ERS4267885 | GCA_902831985 | 77 (Illumina) | 7.99 | 68.26 | 243,147 |
| <i>Burkholderia gladioli</i> | BCC1786 | Clinical | USA | ERS1328945 | ERS4267886 | GCA_902831965 | 57 (Illumina) | 8.33 | 68.18 | 347,752 |
| <i>Burkholderia gladioli</i> | BCC1787 | Clinical | USA | ERS1371593 | ERS4267887 | GCA_902831955 | 96 (Illumina) | 8.25 | 68.27 | 371,296 |
| <i>Burkholderia gladioli</i> | BCC1788 | Clinical | USA | ERS1371594 | ERS4267888 | GCA_902831935 | 68 (Illumina) | 8.66 | 67.84 | 291,652 |
| <i>Burkholderia gladioli</i> | BCC1789 | Clinical | USA | ERS1328781 | ERS4267889 | GCA_902830195 | 61 (Illumina) | 8.33 | 68.05 | 274,262 |
| <i>Burkholderia gladioli</i> | BCC1790 | Clinical | USA | ERS1333278 | ERS4267890 | GCA_902831995 | 78 (Illumina) | 8.41 | 67.90 | 249,452 |
| <i>Burkholderia gladioli</i> | BCC1791 | Clinical | USA | ERS1328782 | ERS4267891 | GCA_902832115 | 68 (Illumina) | 8.15 | 68.14 | 334,966 |
| <i>Burkholderia gladioli</i> | BCC1792 | Clinical | USA | ERS1328890 | ERS4267892 | GCA_902832095 | 62 (Illumina) | 8.13 | 68.17 | 276,382 |
| <i>Burkholderia gladioli</i> | BCC1793 | Clinical | USA | ERS1328783 | ERS4267893 | GCA_902832155 | 73 (Illumina) | 8.14 | 68.24 | 280,591 |
| <i>Burkholderia gladioli</i> | BCC1794 | Clinical | USA | ERS1328946 | ERS4267894 | GCA_902832105 | 70 (Illumina) | 8.34 | 68.23 | 281,967 |
| <i>Burkholderia gladioli</i> | BCC1795 | Clinical | USA | ERS1328784 | ERS4267895 | GCA_902832035 | 77 (Illumina) | 7.82 | 68.17 | 275,050 |
| <i>Burkholderia gladioli</i> | BCC1796 | Clinical | USA | ERS1328891 | ERS4267896 | GCA_902832055 | 65 (Illumina) | 8.38 | 68.08 | 351,151 |
| <i>Burkholderia gladioli</i> | BCC1798 | Clinical | USA | ERS1371596 | ERS4267897 | GCA_902832005 | 76 (Illumina) | 8.25 | 68.27 | 230,356 |
| <i>Burkholderia gladioli</i> | BCC1799 | Clinical | USA | ERS1328786 | ERS4267898 | GCA_902832015 | 57 (Illumina) | 8.11 | 68.02 | 343,906 |
| <i>Burkholderia gladioli</i> | BCC1800 | Clinical | USA | ERS1328892 | ERS4267899 | GCA_902832165 | 84 (Illumina) | 7.92 | 68.29 | 257,500 |
| <i>Burkholderia gladioli</i> | BCC1801 | Clinical | USA | ERS1328787 | ERS4267900 | GCA_902832175 | 75 (Illumina) | 7.96 | 68.24 | 316,850 |
| <i>Burkholderia gladioli</i> | BCC1802 | Clinical | USA | ERS1328947 | ERS4267901 | GCA_902832185 | 56 (Illumina) | 8.45 | 68.11 | 270,804 |
| <i>Burkholderia gladioli</i> | BCC1803 | Clinical | USA | ERS1371597 | ERS4267902 | GCA_902832025 | 81 (Illumina) | 7.71 | 68.12 | 272,468 |
| <i>Burkholderia gladioli</i> | BCC1804 | Clinical | USA | ERS1371598 | ERS4267903 | GCA_902832195 | 71 (Illumina) | 8.45 | 68.00 | 250,984 |
| <i>Burkholderia gladioli</i> | BCC1805 | Clinical | USA | ERS1328789 | ERS4267904 | GCA_902832045 | 78 (Illumina) | 7.86 | 67.94 | 270,833 |
| <i>Burkholderia gladioli</i> | BCC1806 | Clinical | USA | ERS1333279 | ERS4267905 | GCA_902832075 | 63 (Illumina) | 8.48 | 68.05 | 273,269 |
| <i>Burkholderia gladioli</i> | BCC1807 | Clinical | USA | ERS1371599 | ERS4267906 | GCA_902832085 | 69 (Illumina) | 8.47 | 68.00 | 304,296 |
| <i>Burkholderia gladioli</i> | BCC1808 | Clinical | USA | ERS1371600 | ERS4267907 | GCA_902832145 | 77 (Illumina) | 7.97 | 68.22 | 293,939 |
| <i>Burkholderia gladioli</i> | BCC1809 | Clinical | USA | ERS1328791 | ERS4267908 | GCA_902832125 | 66 (Illumina) | 8.64 | 67.87 | 235,923 |
| <i>Burkholderia gladioli</i> | BCC1810 | Clinical | USA | ERS1328948 | ERS4267909 | GCA_902830185 | 64 (Illumina) | 8.28 | 68.22 | 310,714 |
| <i>Burkholderia gladioli</i> | BCC1811 | Clinical | USA | ERS1328792 | ERS4267910 | GCA_902832135 | 57 (Illumina) | 8.61 | 67.93 | 305,514 |
| <i>Burkholderia gladioli</i> | BCC1812 | Clinical | USA | ERS1328895 | ERS4267911 | GCA_902832065 | 73 (Illumina) | 8.23 | 67.94 | 301,688 |
| <i>Burkholderia gladioli</i> | BCC1813 | Clinical | USA | ERS1328793 | ERS4267912 | GCA_902832315 | 65 (Illumina) | 8.57 | 68.01 | 293,202 |
| <i>Burkholderia gladioli</i> | BCC1814 | Clinical | USA | ERS1336062 | ERS4267913 | GCA_902832285 | 62 (Illumina) | 8.21 | 68.14 | 206,859 |
| <i>Burkholderia gladioli</i> | BCC1815 | Clinical | USA | ERS1328794 | ERS4267914 | GCA_902832295 | 50 (Illumina) | 8.95 | 67.39 | 262,346 |
| <i>Burkholderia gladioli</i> | BCC1816 | Clinical | Canada | ERS1328896 | ERS4267915 | GCA_902832395 | 70 (Illumina) | 8.18 | 68.12 | 326,051 |
| <i>Burkholderia gladioli</i> | BCC1817 | Clinical | USA | ERS1328795 | ERS4267916 | GCA_902832305 | 69 (Illumina) | 8.12 | 68.21 | 242,936 |
| <i>Burkholderia gladioli</i> | BCC1818 | Clinical | USA | ERS1333280 | ERS4267917 | GCA_902832365 | 56 (Illumina) | 8.16 | 68.23 | 345,879 |
| <i>Burkholderia gladioli</i> | BCC1819 | Clinical | USA | ERS1328796 | ERS4267918 | GCA_902832325 | 61 (Illumina) | 8.42 | 67.90 | 331,109 |
| <i>Burkholderia gladioli</i> | BCC1820 | Clinical | USA | ERS1328897 | ERS4267919 | GCA_902832245 | 75 (Illumina) | 8.05 | 68.15 | 242,112 |
| <i>Burkholderia gladioli</i> | BCC1821 | Clinical | USA | ERS1328797 | ERS4267920 | GCA_902829485 | 76 (Illumina) | 8.13 | 68.08 | 263,017 |
| <i>Burkholderia gladioli</i> | BCC1822 | Clinical | USA | ERS1336063 | ERS4267921 | GCA_902832255 | 71 (Illumina) | 8.08 | 68.18 | 402,601 |
| <i>Burkholderia gladioli</i> | BCC1823 | Clinical | USA | ERS1328798 | ERS4267922 | GCA_902829525 | 69 (Illumina) | 8.22 | 68.31 | 336,871 |
| <i>Paraburkholderia caribensis</i> | BCC1824 | Clinical | USA | ERS1328898 | ERS4267923 | GCA_902833585 | 64 (Illumina) | 9.04 | 62.49 | 121,444 |
| <i>Burkholderia gladioli</i> | BCC1825 | Clinical | USA | ERS1328799 | ERS4267924 | GCA_902832355 | 70 (Illumina) | 8.21 | 67.96 | 211,609 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (x) (technology) | Genome size (Mbp) | GC content (%) | N ₅₀ (bp) |
|------------------------------|---------|------------------|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|----------------------|
| <i>Burkholderia gladioli</i> | BCC1826 | Clinical | USA | ERS1328949 | ERS4267925 | GCA_902832385 | 58 (Illumina) | 8.38 | 68.13 | 338,267 |
| <i>Burkholderia gladioli</i> | BCC1827 | Clinical | USA | ERS1328800 | ERS4267926 | GCA_902832345 | 58 (Illumina) | 8.71 | 67.88 | 269,894 |
| <i>Burkholderia gladioli</i> | BCC1828 | Clinical | Canada | ERS1328899 | ERS4267927 | GCA_902832375 | 78 (Illumina) | 8.24 | 68.04 | 268,035 |
| <i>Burkholderia gladioli</i> | BCC1829 | Clinical | USA | ERS1371601 | ERS4267928 | GCA_902832235 | 80 (Illumina) | 8.61 | 67.80 | 317,992 |
| <i>Burkholderia gladioli</i> | BCC1830 | Clinical | Canada | ERS1371602 | ERS4267929 | GCA_902832225 | 76 (Illumina) | 8.40 | 68.05 | 419,764 |
| <i>Burkholderia gladioli</i> | BCC1831 | Clinical | Canada | ERS1371603 | ERS4267930 | GCA_902832205 | 74 (Illumina) | 8.43 | 68.00 | 189,469 |
| <i>Burkholderia gladioli</i> | BCC1832 | Clinical | USA | ERS1371604 | ERS4267931 | GCA_902832215 | 73 (Illumina) | 8.16 | 68.08 | 208,866 |
| <i>Burkholderia gladioli</i> | BCC1833 | Clinical | USA | ERS1328803 | ERS4267932 | GCA_902832275 | 70 (Illumina) | 8.49 | 68.02 | 3902,44 |
| <i>Burkholderia gladioli</i> | BCC1834 | Clinical | USA | ERS1328950 | ERS4267933 | GCA_902832265 | 66 (Illumina) | 7.90 | 68.06 | 286,322 |
| <i>Burkholderia gladioli</i> | BCC1835 | Clinical | USA | ERS1371605 | ERS4267934 | GCA_902832335 | 73 (Illumina) | 8.41 | 67.96 | 264,845 |
| <i>Burkholderia gladioli</i> | BCC1836 | Clinical | USA | ERS1328901 | ERS4267935 | GCA_902832445 | 63 (Illumina) | 8.18 | 68.30 | 407,323 |
| <i>Burkholderia gladioli</i> | BCC1837 | Clinical | USA | ERS1371606 | ERS4267936 | GCA_902832455 | 77 (Illumina) | 8.14 | 67.99 | 206,652 |
| <i>Burkholderia gladioli</i> | BCC1838 | Clinical | USA | ERS1336064 | ERS4267937 | GCA_902830215 | 68 (Illumina) | 8.44 | 67.91 | 179,624 |
| <i>Burkholderia gladioli</i> | BCC1840 | Clinical | USA | ERS1328902 | ERS4267938 | GCA_902832405 | 71 (Illumina) | 8.15 | 68.14 | 209,087 |
| <i>Burkholderia gladioli</i> | BCC1841 | Clinical | USA | ERS1328807 | ERS4267939 | GCA_902832435 | 55 (Illumina) | 8.72 | 67.94 | 274,939 |
| <i>Burkholderia gladioli</i> | BCC1842 | Clinical | USA | ERS1328951 | ERS4267940 | GCA_902832415 | 76 (Illumina) | 8.17 | 68.27 | 344,808 |
| <i>Burkholderia gladioli</i> | BCC1843 | Clinical | USA | ERS1328808 | ERS4267941 | GCA_902832425 | 67 (Illumina) | 8.01 | 68.10 | 177,545 |
| <i>Burkholderia gladioli</i> | BCC1844 | Clinical | USA | ERS1328903 | ERS4267942 | GCA_902832555 | 71 (Illumina) | 8.20 | 67.98 | 219,436 |
| <i>Burkholderia gladioli</i> | BCC1845 | Clinical | USA | ERS1328809 | ERS4267943 | GCA_902832535 | 71 (Illumina) | 8.13 | 68.24 | 362,515 |
| <i>Burkholderia gladioli</i> | BCC1846 | Clinical | USA | ERS1371607 | ERS4267944 | GCA_902832475 | 68 (Illumina) | 8.41 | 68.00 | 320,953 |
| <i>Burkholderia gladioli</i> | BCC1847 | Clinical | USA | ERS1371608 | ERS4267945 | GCA_902830245 | 65 (Illumina) | 8.41 | 68.17 | 287,220 |
| <i>Burkholderia gladioli</i> | BCC1848 | Clinical | USA | ERS1328904 | ERS4267946 | GCA_902832485 | 69 (Illumina) | 8.14 | 68.04 | 301,164 |
| <i>Burkholderia gladioli</i> | BCC1849 | Clinical | USA | ERS1371609 | ERS4267947 | GCA_902832485 | 91 (Illumina) | 8.22 | 68.29 | 368,142 |
| <i>Burkholderia gladioli</i> | BCC1850 | Clinical | USA | ERS1371610 | ERS4267948 | GCA_902832585 | 84 (Illumina) | 8.53 | 68.02 | 275,270 |
| <i>Burkholderia gladioli</i> | BCC1851 | Clinical | USA | ERS1371611 | ERS4267949 | GCA_902832495 | 65 (Illumina) | 8.37 | 68.20 | 304,291 |
| <i>Burkholderia gladioli</i> | BCC1852 | Clinical | USA | ERS1371612 | ERS4267950 | GCA_902832515 | 72 (Illumina) | 8.42 | 68.05 | 333,375 |
| <i>Burkholderia gladioli</i> | BCC1853 | Clinical | USA | ERS1328813 | ERS4267951 | GCA_902832545 | 66 (Illumina) | 8.22 | 68.20 | 326,166 |
| <i>Burkholderia gladioli</i> | BCC1854 | Clinical | USA | ERS1371613 | ERS4267952 | GCA_902832465 | 69 (Illumina) | 8.90 | 67.81 | 274,690 |
| <i>Burkholderia gladioli</i> | BCC1855 | Clinical | USA | ERS1371614 | ERS4267953 | GCA_902832505 | 64 (Illumina) | 8.32 | 68.01 | 186,469 |
| <i>Burkholderia gladioli</i> | BCC1856 | Clinical | USA | ERS1328906 | ERS4267954 | GCA_902832565 | 67 (Illumina) | 8.05 | 68.29 | 286,277 |
| <i>Burkholderia gladioli</i> | BCC1857 | Clinical | USA | ERS1371615 | ERS4267955 | GCA_902832595 | 68 (Illumina) | 8.23 | 68.25 | 280,379 |
| <i>Burkholderia gladioli</i> | BCC1858 | Clinical | USA | ERS1371616 | ERS4267956 | GCA_902832575 | 54 (Illumina) | 8.19 | 68.22 | 307,394 |
| <i>Burkholderia gladioli</i> | BCC1859 | Clinical | USA | ERS1371617 | ERS4267957 | GCA_902832615 | 95 (Illumina) | 8.26 | 68.20 | 334,836 |
| <i>Burkholderia gladioli</i> | BCC1860 | Clinical | USA | ERS1371618 | ERS4267958 | GCA_902832655 | 88 (Illumina) | 8.63 | 68.00 | 347,760 |
| <i>Burkholderia gladioli</i> | BCC1861 | Clinical | USA | ERS1371619 | ERS4267959 | GCA_902829615 | 79 (Illumina) | 8.63 | 67.75 | 216,674 |
| <i>Burkholderia gladioli</i> | BCC1862 | Clinical | USA | ERS1371620 | ERS4267960 | GCA_902832685 | 89 (Illumina) | 8.38 | 68.14 | 294,407 |
| <i>Burkholderia gladioli</i> | BCC1863 | Clinical | USA | ERS1371621 | ERS4267961 | GCA_902832605 | 74 (Illumina) | 8.27 | 68.23 | 294,023 |
| <i>Burkholderia gladioli</i> | BCC1864 | Clinical | USA | ERS1328908 | ERS4267962 | GCA_902830235 | 53 (Illumina) | 8.50 | 67.90 | 212,901 |
| <i>Burkholderia gladioli</i> | BCC1865 | Clinical | USA | ERS1328819 | ERS4267963 | GCA_902832725 | 72 (Illumina) | 8.23 | 68.15 | 233,312 |
| <i>Burkholderia gladioli</i> | BCC1866 | Clinical | USA | ERS1371622 | ERS4267964 | GCA_902832695 | 71 (Illumina) | 8.46 | 67.99 | 287,257 |
| <i>Burkholderia gladioli</i> | BCC1867 | Clinical | USA | ERS1371623 | ERS4267965 | GCA_902832675 | 72 (Illumina) | 8.40 | 67.96 | 178,703 |
| <i>Burkholderia gladioli</i> | BCC1868 | Clinical | USA | ERS1371624 | ERS4267966 | GCA_902832715 | 62 (Illumina) | 7.93 | 68.19 | 393,583 |
| <i>Burkholderia gladioli</i> | BCC1869 | Clinical | USA | ERS1328821 | ERS4267967 | GCA_902832665 | 64 (Illumina) | 8.60 | 67.92 | 311,968 |
| <i>Burkholderia gladioli</i> | BCC1870 | Clinical | USA | ERS1371625 | ERS4267968 | GCA_902832645 | 86 (Illumina) | 8.35 | 67.95 | 186,380 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (x) (technology) | Genome size (Mbp) | GC content (%) | N ₅₀ (bp) |
|---------------------------------|-----------|---|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|----------------------|
| <i>Burkholderia gladioli</i> | BCC1871 | Clinical | USA | ERS1371626 | ERS4267969 | GCA_902832705 | 95 (Illumina) | 8.06 | 68.11 | 284,538 |
| <i>Burkholderia gladioli</i> | BCC1872 | Clinical | USA | ERS1371627 | ERS4267970 | GCA_902832745 | 74 (Illumina) | 8.43 | 68.15 | 286,407 |
| <i>Burkholderia gladioli</i> | BCC1880 | | | ERS1371628 | ERS4267971 | GCA_902832635 | 73 (Illumina) | 8.23 | 68.04 | 621,809 |
| <i>Burkholderia gladioli</i> | BCC1881 | | | ERS1371629 | ERS4267972 | GCA_902832735 | 71 (Illumina) | 8.39 | 68.20 | 350,910 |
| <i>Burkholderia gladioli</i> | BCC1882 | | | ERS1371630 | ERS4267973 | GCA_902832625 | 58 (Illumina) | 8.39 | 68.20 | 350,910 |
| <i>Burkholderia gladioli</i> | BCC1883 | | | ERS1371631 | ERS4267974 | GCA_902832785 | 71 (Illumina) | 8.13 | 68.31 | 603,194 |
| <i>Burkholderia glumae</i> | LMG 2196 | Environmental, <i>Oryza sativa</i> | Japan | ERS784969 | ERS4267975 | GCA_902832765 | 92 (Illumina) | 6.66 | 68.35 | 162,494 |
| <i>Burkholderia lata</i> | BCC0174 | Environmental, soil | Trinidad and Tobago | ERS785040 | ERS4267976 | GCA_902832775 | 63 (Illumina) | 8.48 | 66.57 | 1,023,694 |
| <i>Burkholderia</i> sp. | BCC0217 | Clinical, cystic fibrosis patient | USA | ERS784822 | ERS4267977 | GCA_902833005 | 74 (Illumina) | 9.44 | 65.63 | 453,341 |
| <i>Burkholderia latens</i> | BCC1625 | Clinical, cystic fibrosis patient | Italy | ERS784839 | ERS4267978 | GCA_902832795 | 80 (Illumina) | 7.08 | 66.83 | 469,972 |
| <i>Burkholderia latens</i> | BCC1626 | Clinical, cystic fibrosis patient | UK | ERS784855 | ERS4267979 | GCA_902832755 | 78 (Illumina) | 7.25 | 66.69 | 638,063 |
| <i>Burkholderia metallica</i> | BCC0095 | Clinical, sputum | Canada | ERS785019 | ERS4267980 | GCA_902832815 | 67 (Illumina) | 7.75 | 66.76 | 474,034 |
| <i>Burkholderia metallica</i> | BCC0483 | Clinical | | ERS784872 | ERS4267981 | GCA_902832805 | 75 (Illumina) | 7.55 | 67.06 | 469,713 |
| <i>Burkholderia metallica</i> | LMG 24068 | Clinical, cystic fibrosis patient | USA | ERS784887 | ERS4267982 | GCA_902832845 | 75 (Illumina) | 7.55 | 67.06 | 476,026 |
| <i>Burkholderia multivorans</i> | BCC0005 | Clinical, sputum | Canada | ERS785011 | ERS4267983 | GCA_902832835 | 87 (Illumina) | 6.39 | 67.37 | 1,402,971 |
| <i>Burkholderia multivorans</i> | BCC0008 | Clinical, sputum | UK | ERS784904 | ERS4267984 | GCA_902832825 | 88 (Illumina) | 6.63 | 67.18 | 793,813 |
| <i>Burkholderia multivorans</i> | BCC0010 | Clinical, non-cystic fibrosis patient brain abscess | UK | ERS784919 | ERS4267985 | GCA_902833875 | 92 (Illumina) | 6.27 | 67.24 | 486,046 |
| <i>Burkholderia multivorans</i> | BCC0031 | Clinical, sputum | Canada | ERS785002 | ERS4267986 | GCA_902833805 | 89 (Illumina) | 6.53 | 67.07 | 561,216 |
| <i>Burkholderia multivorans</i> | BCC0037 | Clinical, chronic granulomatous disease, lung | USA | ERS785053 | ERS4267987 | GCA_902833915 | 93 (Illumina) | 6.56 | 67.16 | 303,874 |
| <i>Burkholderia multivorans</i> | BCC0050 | Environmental, soil | UK | ERS785036 | ERS4267988 | GCA_902833885 | 78 (Illumina) | 6.97 | 66.86 | 531,523 |
| <i>Burkholderia multivorans</i> | BCC0059 | Clinical, sputum | Canada | ERS785022 | ERS4267989 | GCA_902833835 | 74 (Illumina) | 6.76 | 67.09 | 384,200 |
| <i>Burkholderia multivorans</i> | BCC0067 | Clinical, sputum | Canada | ERS784935 | ERS4267990 | GCA_902833855 | 96 (Illumina) | 6.12 | 67.36 | 349,267 |
| <i>Burkholderia multivorans</i> | BCC0089 | Clinical, sputum | Canada | ERS785033 | ERS4267991 | GCA_902833895 | 82 (Illumina) | 6.39 | 67.21 | 595,797 |
| <i>Burkholderia multivorans</i> | BCC0093 | Clinical, respiratory sample | Canada | ERS785061 | ERS4267992 | GCA_902832975 | 96 (Illumina) | 6.30 | 67.22 | 342,629 |
| <i>Burkholderia multivorans</i> | BCC0099 | Clinical, respiratory sample | Canada | ERS785069 | ERS4267993 | GCA_902832855 | 94 (Illumina) | 6.93 | 66.81 | 276,171 |
| <i>Burkholderia multivorans</i> | BCC0102 | Clinical, respiratory sample | Canada | ERS784954 | ERS4267994 | GCA_902833015 | 80 (Illumina) | 6.66 | 67.18 | 459,105 |
| <i>Burkholderia multivorans</i> | BCC0115 | Clinical, sputum | USA | ERS784971 | ERS4267995 | GCA_902830305 | 102 (Illumina) | 6.22 | 67.36 | 413,909 |
| <i>Burkholderia multivorans</i> | BCC0149 | Clinical, cystic fibrosis patient | USA | ERS785050 | ERS4267996 | GCA_902832965 | 86 (Illumina) | 6.35 | 67.17 | 436,404 |
| <i>Burkholderia multivorans</i> | BCC0175 | Clinical, chronic granulomatous disease, blood | USA | ERS785024 | ERS4267997 | GCA_902832875 | 77 (Illumina) | 6.71 | 66.72 | 328,297 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (×) (technology) | Genome size (Mbp) | GC content (%) | <i>N</i> ₅₀ (bp) |
|-----------------------------------|-----------|--|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|-----------------------------|
| <i>Burkholderia multivorans</i> | BCC0244 | Clinical, sputum | Canada | ERS785004 | ERS4267998 | GCA_902832915 | 93 (Illumina) | 6.57 | 67.18 | 435,992 |
| <i>Burkholderia oklahomensis</i> | LMG 23618 | Environmental | | ERS784979 | ERS4267999 | GCA_902829515 | 88 (Illumina) | 7.09 | 67.11 | 364,599 |
| <i>Burkholderia plantarii</i> | LMG 9035 | Environmental, <i>Oryza sativa</i> cv. Koshihikari, seedling with blight and chlorosis | Japan | ERS784824 | ERS4268000 | GCA_902832905 | 79 (Illumina) | 8.04 | 68.61 | 305,422 |
| <i>Burkholderia pyrrocinia</i> | BCC0171 | Environmental, cornfield soil | USA | ERS785059 | ERS4268001 | GCA_902832995 | 66 (Illumina) | 8.16 | 66.18 | 325,972 |
| <i>Burkholderia pyrrocinia</i> | LMG 14191 | Environmental, soil | | ERS785083 | ERS4268002 | GCA_902832895 | 75 (Illumina) | 7.86 | 66.51 | 520,567 |
| <i>Burkholderia pyrrocinia</i> | BCC0986 | Environmental | | ERS784857 | ERS4268003 | GCA_902829605 | 74 (Illumina) | 7.60 | 66.70 | 556,419 |
| <i>Burkholderia pyrrocinia</i> | BCC1346 | Environmental | | ERS784841 | ERS4268004 | GCA_902832935 | 70 (Illumina) | 8.34 | 65.94 | 282,972 |
| <i>Burkholderia pyrrocinia</i> | BCC1364 | Clinical | | ERS784874 | ERS4268005 | GCA_902832945 | 75 (Illumina) | 7.62 | 66.57 | 587,939 |
| <i>Burkholderia seminalis</i> | LMG 24067 | Clinical, cystic fibrosis patient | USA | ERS784889 | ERS4268006 | GCA_902832885 | 70 (Illumina) | 7.97 | 67.09 | 523,234 |
| <i>Burkholderia seminalis</i> | BCC1628 | Environmental, <i>Oryza sativa</i> seed | Philippines | ERS784906 | ERS4268007 | GCA_902833035 | 60 (Illumina) | 8.24 | 66.71 | 331,981 |
| <i>Burkholderia</i> sp. | BCC1642 | Environmental | | ERS1328853 | ERS4268008 | GCA_902829715 | 78 (Illumina) | 9.22 | 62.08 | 159,099 |
| <i>Burkholderia stabilis</i> | BCC0186 | Clinical, cystic fibrosis patient | Belgium | ERS785081 | ERS4268009 | GCA_902833135 | 92 (Illumina) | 7.15 | 66.55 | 267,680 |
| <i>Burkholderia stabilis</i> | BCC0237 | Environmental, albuterol inhaler | USA | ERS785013 | ERS4268010 | GCA_902833115 | 58 (Illumina) | 8.52 | 66.46 | 323,418 |
| <i>Burkholderia stabilis</i> | BCC0285 | Clinical, infected tissue of tibial fracture | | ERS784949 | ERS4268011 | GCA_902833105 | 80 (Illumina) | 8.75 | 66.23 | 274,531 |
| <i>Burkholderia stabilis</i> | BCC1308 | Environmental/industrial | | ERS784921 | ERS4268012 | GCA_902833185 | 61 (Illumina) | 8.25 | 66.51 | 685,734 |
| <i>Burkholderia stagnalis</i> | LMG 28156 | Environmental, soil | Australia | ERS1371647 | ERS4268013 | GCA_902830275 | 66 (Illumina) | 8.03 | 67.24 | 262,379 |
| <i>Burkholderia territorii</i> | LMG 28158 | Environmental, water | Australia | ERS1328858 | ERS4268014 | GCA_902833055 | 92 (Illumina) | 6.98 | 66.66 | 277,911 |
| <i>Burkholderia ubonensis</i> | LMG 20358 | Environmental, surface soil | Thailand | ERS784956 | ERS4268015 | GCA_902833085 | 66 (Illumina) | 7.77 | 67.30 | 623,290 |
| <i>Burkholderia vietnamiensis</i> | BCC0027 | Clinical, cystic fibrosis patient | USA | ERS785078 | ERS4268016 | GCA_902833235 | 85 (Illumina) | 6.87 | 66.94 | 283,796 |
| <i>Burkholderia vietnamiensis</i> | BCC0028 | Clinical, cystic fibrosis patient | Sweden | ERS785077 | ERS4268017 | GCA_902833215 | 94 (Illumina) | 6.67 | 67.25 | 195,580 |
| <i>Burkholderia vietnamiensis</i> | BCC0029 | Clinical, chronic granulomatous disease, lung abscess | Canada | ERS784991 | ERS4268018 | GCA_902829455 | 95 (Illumina) | 6.98 | 66.73 | 204,529 |
| <i>Burkholderia vietnamiensis</i> | LMG 10929 | Environmental, <i>Oryza sativa</i> rhizosphere soil | Vietnam | ERS785016 | ERS4268019 | GCA_9028330295 | 75 (Illumina) | 6.88 | 66.90 | 308,470 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (×) (technology) | Genome size (Mbp) | GC content (%) | N ₅₀ (bp) |
|-----------------------------------|---------|---------------------------------------|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|----------------------|
| <i>Burkholderia vietnamiensis</i> | BCC0040 | Clinical, non-cystic fibrosis patient | | ERS784999 | ERS4268020 | GCA_9028333385 | 89 (Illumina) | 6.26 | 66.68 | 397,866 |
| <i>Burkholderia vietnamiensis</i> | BCC0042 | Environmental, hospital | | ERS784972 | ERS4268021 | GCA_9028333285 | 105 (Illumina) | 6.29 | 66.65 | 667,227 |
| <i>Burkholderia vietnamiensis</i> | BCC0046 | Clinical, non-cystic fibrosis patient | | ERS785044 | ERS4268022 | GCA_9028333275 | 81 (Illumina) | 6.77 | 66.97 | 511,799 |
| <i>Burkholderia vietnamiensis</i> | BCC0104 | Clinical, lymph node | USA | ERS785007 | ERS4268023 | GCA_9028333335 | 74 (Illumina) | 7.06 | 66.85 | 228,863 |
| <i>Burkholderia vietnamiensis</i> | BCC0124 | Clinical, sputum | USA | ERS785030 | ERS4268024 | GCA_9028333355 | 73 (Illumina) | 7.11 | 66.93 | 309,681 |
| <i>Burkholderia vietnamiensis</i> | BCC0126 | Clinical, sputum | USA | ERS1328823 | ERS4268025 | GCA_9028333375 | 72 (Illumina) | 6.81 | 67.10 | 186,133 |
| <i>Burkholderia vietnamiensis</i> | BCC0128 | Clinical, sputum | Canada | ERS784980 | ERS4268026 | GCA_9028333415 | 96 (Illumina) | 6.63 | 67.17 | 400,883 |
| <i>Burkholderia vietnamiensis</i> | BCC0129 | Clinical | USA | ERS1328846 | ERS4268027 | GCA_9028333445 | 79 (Illumina) | 6.98 | 66.46 | 186,188 |
| <i>Burkholderia vietnamiensis</i> | BCC0136 | Clinical, throat | Canada | ERS785029 | ERS4268028 | GCA_9028333435 | 69 (Illumina) | 7.29 | 66.68 | 225,055 |
| <i>Burkholderia vietnamiensis</i> | BCC0142 | Clinical | USA | ERS784988 | ERS4268029 | GCA_9028333265 | 86 (Illumina) | 7.21 | 66.73 | 246,894 |
| <i>Burkholderia vietnamiensis</i> | BCC0151 | Clinical | USA | ERS784826 | ERS4268030 | GCA_9028333395 | 95 (Illumina) | 6.08 | 67.33 | 168,450 |
| <i>Burkholderia vietnamiensis</i> | BCC0157 | Clinical, sputum | USA | ERS1371645 | ERS4268031 | GCA_9028333295 | 102 (Illumina) | 6.35 | 67.18 | 137,809 |
| <i>Burkholderia vietnamiensis</i> | BCC0185 | Clinical, neck abscess | Chile | ERS1336070 | ERS4268032 | GCA_9028333115 | 77 (Illumina) | 7.12 | 66.80 | 202,960 |
| <i>Burkholderia vietnamiensis</i> | BCC0190 | Clinical | USA | ERS785015 | ERS4268033 | GCA_9028330265 | 84 (Illumina) | 6.16 | 66.76 | 523,281 |
| <i>Burkholderia vietnamiensis</i> | BCC0194 | Environmental, soil | USA | ERS785075 | ERS4268034 | GCA_9028333365 | 75 (Illumina) | 7.06 | 66.93 | 158,113 |
| <i>Burkholderia vietnamiensis</i> | BCC0324 | Clinical, non-cystic fibrosis patient | | ERS784843 | ERS4268035 | GCA_9028333345 | 92 (Illumina) | 6.21 | 66.62 | 311,192 |
| <i>Burkholderia vietnamiensis</i> | BCC0587 | Environmental, soil | | ERS1328927 | ERS4268037 | GCA_9028333305 | 71 (Illumina) | 7.39 | 66.79 | 187,227 |
| <i>Burkholderia vietnamiensis</i> | BCC1161 | Clinical | | ERS785038 | ERS4268038 | GCA_9028333255 | 78 (Illumina) | 6.62 | 67.33 | 306,697 |
| <i>Burkholderia vietnamiensis</i> | BCC1162 | Clinical | | ERS784859 | ERS4268039 | GCA_9028333325 | 85 (Illumina) | 6.62 | 67.33 | 308,591 |
| <i>Burkholderia vietnamiensis</i> | BCC1163 | Clinical | | ERS784876 | ERS4268040 | GCA_9028333545 | 81 (Illumina) | 6.62 | 67.33 | 314,533 |
| <i>Burkholderia vietnamiensis</i> | BCC1170 | Clinical | | ERS785023 | ERS4268041 | GCA_9028333495 | 79 (Illumina) | 6.91 | 66.39 | 157,040 |
| <i>Burkholderia vietnamiensis</i> | BCC1172 | Environmental | | ERS785031 | ERS4268042 | GCA_9028333625 | 71 (Illumina) | 7.39 | 66.30 | 161,339 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (×) (technology) | Genome size (Mbp) | GC content (%) | <i>N</i> ₅₀ (bp) |
|--------------------------------------|-----------|---|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|-----------------------------|
| <i>Burkholderia vietnamiensis</i> | BCC1176 | Clinical | | ERS785046 | ERS4268043 | GCA_902833605 | 76 (Illumina) | 7.09 | 66.83 | 457,880 |
| <i>Burkholderia vietnamiensis</i> | BCC1186 | Clinical | | ERS784891 | ERS4268044 | GCA_902833535 | 72 (Illumina) | 7.08 | 66.45 | 138,269 |
| <i>Burkholderia vietnamiensis</i> | BCC1193 | Clinical | | ERS785058 | ERS4268045 | GCA_902833555 | 72 (Illumina) | 7.25 | 66.29 | 160,650 |
| <i>Burkholderia vietnamiensis</i> | BCC1301 | Environmental/industrial | | ERS785065 | ERS4268046 | GCA_902833615 | 80 (Illumina) | 7.05 | 66.78 | 246,898 |
| <i>Burkholderia vietnamiensis</i> | BCC1304 | Environmental/industrial | | ERS784990 | ERS4268047 | GCA_902833475 | 71 (Illumina) | 8.09 | 66.11 | 246,358 |
| <i>Burkholderia vietnamiensis</i> | BCC1309 | Environmental/industrial | | ERS785063 | ERS4268048 | GCA_902833565 | 82 (Illumina) | 7.08 | 66.91 | 276,656 |
| <i>Burkholderia vietnamiensis</i> | BCC1409 | Environmental/industrial | | ERS785012 | ERS4268049 | GCA_902833595 | 72 (Illumina) | 7.22 | 66.67 | 308,880 |
| <i>Burkholderia vietnamiensis</i> | BCC1412 | Environmental/industrial | | ERS785020 | ERS4268050 | GCA_902833465 | 71 (Illumina) | 7.34 | 66.61 | 178,163 |
| <i>Burkholderia cepacia</i> | BCC1633 | Environmental | Malaysia | ERS1328923 | ERS4268051 | GCA_902830795 | 81 (Illumina) | 8.84 | 66.29 | 275,215 |
| <i>Caballeronia glathei</i> | BCC0772 | Environmental, lateritic soil | Germany | ERS784993 | ERS4268052 | GCA_902833485 | 75 (Illumina) | 8.74 | 64.38 | 262,729 |
| <i>Paraburkholderia bryophila</i> | BCC1875 | Environmental, isolated from <i>Sphagnum rubellum</i> moss | Germany | ERS1328963 | ERS4268053 | GCA_902833525 | 71 (Illumina) | 8.09 | 62.91 | 200,899 |
| <i>Paraburkholderia</i> sp. | BCC1876 | Environmental, isolated from <i>Aulacomnium palustre</i> moss | Germany | ERS1328856 | ERS4268054 | GCA_902833695 | 68 (Illumina) | 8.50 | 62.75 | 785,957 |
| <i>Paraburkholderia caledonica</i> | LMG 19076 | Environmental, soil rhizosphere | UK | ERS784802 | ERS4268055 | GCA_902833635 | 99 (Illumina) | 7.31 | 61.96 | 449,131 |
| <i>Paraburkholderia caribensis</i> | LMG 18531 | Environmental, soil, vertisol | | ERS784810 | ERS4268056 | GCA_902833515 | 66 (Illumina) | 8.97 | 62.60 | 301,636 |
| <i>Paraburkholderia fungorum</i> | LMG 16225 | Environmental, <i>Phanerochaete chrysosporium</i> fungus | France | ERS784892 | ERS4268057 | GCA_902833645 | 67 (Illumina) | 8.93 | 61.85 | 451,759 |
| <i>Paraburkholderia hospita</i> | LMG 20598 | Environmental, agricultural soil | Belgium | ERS784978 | ERS4268058 | GCA_902833685 | 56 (Illumina) | 11.25 | 61.88 | 202,916 |
| <i>Paraburkholderia kururuiensis</i> | LMG 19447 | Environmental, aquifer | Japan | ERS784986 | ERS4268059 | GCA_902833705 | 84 (Illumina) | 7.54 | 64.83 | 257,717 |
| <i>Burkholderia vietnamiensis</i> | BCC1878 | Environmental, isolated from <i>Aulacomnium palustre</i> moss | Germany | ERS1328857 | ERS4268060 | GCA_902829795 | 91 (Illumina) | 7.03 | 66.73 | 129,098 |
| <i>Paraburkholderia mimosarum</i> | LMG 23256 | Environmental, <i>Mimosa pigra</i> root nodule | China | ERS785026 | ERS4268061 | GCA_902833725 | 60 (Illumina) | 8.60 | 63.84 | 198,630 |

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TABLE 1 (Continued)

| Species | Strain | Isolation source | Geographic location | Read BioSample accession no. | Assembly BioSample accession no. | Assembly GenBank accession no. | Coverage (x) (technology) | Genome size (Mbp) | GC content (%) | N_{50} (bp) |
|--|-----------|--|---------------------|------------------------------|----------------------------------|--------------------------------|---------------------------|-------------------|----------------|---------------|
| <i>Paraburkholderia phenazinium</i> | BCC1873 | Environmental | | ERS1328926 | ERS4268062 | GCA_902829745 | 70 (Illumina) | 8.96 | 62.26 | 287,222 |
| <i>Paraburkholderia phenazinium</i> | BCC1874 | | | ERS1328855 | ERS4268063 | GCA_902833675 | 71 (Illumina) | 9.00 | 62.28 | 309,756 |
| <i>Paraburkholderia phenoliruptrix</i> | LMG 22037 | Environmental, chemostat | | ERS1371595 | ERS4268064 | GCA_902833655 | 82 (Illumina) | 7.36 | 63.48 | 174,050 |
| <i>Paraburkholderia phymatum</i> | LMG 21445 | Environmental, <i>Machaerium lunatum</i> root nodule | French Guiana | ERS784987 | ERS4268065 | GCA_902833665 | 72 (Illumina) | 8.60 | 62.32 | 334,756 |
| <i>Paraburkholderia sacchari</i> | LMG 19450 | Environmental, sugarcane plantation soil | Brazil | ERS785005 | ERS4268066 | GCA_902833715 | 81 (Illumina) | 7.27 | 64.04 | 428,857 |
| <i>Paraburkholderia terricola</i> | LMG 20594 | Environmental, agricultural soil | Belgium | ERS785021 | ERS4268067 | GCA_902833815 | 67 (Illumina) | 7.34 | 63.65 | 179,029 |
| <i>Paraburkholderia tropica</i> | LMG 22274 | Environmental, sugarcane roots | Brazil | ERS784938 | ERS4268068 | GCA_902833865 | 60 (Illumina) | 8.60 | 64.77 | 492,153 |
| <i>Paraburkholderia tropica</i> | BCC1637 | Environmental | Malaysia | ERS1328924 | ERS4268069 | GCA_902833825 | 80 (Illumina) | 8.35 | 64.80 | 300,108 |
| <i>Paraburkholderia tuberum</i> | LMG 21444 | Environmental, <i>Aspalathus carmosa</i> root nodule | South Africa | ERS785070 | ERS4268070 | GCA_902833905 | 64 (Illumina) | 8.79 | 63.06 | 137,501 |
| <i>Robbia andropogonis</i> | LMG 2129 | Environmental, <i>Sorghum bicolor</i> | USA | ERS784901 | ERS4268071 | GCA_902833845 | 84 (Illumina) | 6.33 | 58.87 | 340,675 |
| <i>Trinickia caryophylli</i> | LMG 2155 | Environmental, <i>Dianthus caryophyllus</i> | USA | ERS784825 | ERS4268072 | GCA_902833925 | 104 (Illumina) | 6.56 | 64.73 | 645,930 |
| <i>Burkholderia stagnalis</i> | BCC1350 | Environmental | | | ERS4268073 | GCA_902833205 | 150 (PacBio) | 8.45 | 67.06 | 3,279,208 |
| <i>Burkholderia gladioli</i> | BCC0238 | Clinical, sputum | USA | | ERS4268074 | GCA_902829535 | 150 (PacBio) | 8.64 | 67.94 | 4,046,521 |
| <i>Burkholderia vietnamiensis</i> | BCC0268 | Environmental, soil | New Zealand | | ERS4268075 | GCA_902833425 | 150 (PacBio) | 6.81 | 67.10 | 2,221,444 |
| <i>Burkholderia vietnamiensis</i> | BCC1408 | Environmental/industrial, diesel contaminant | UK | | ERS4268076 | GCA_902833505 | 150 (PacBio) | 7.89 | 66.39 | 1,872,953 |

has been deposited, as well as genomes for type strains of *Burkholderia anthina*, *Burkholderia metallica*, *Burkholderia seminalis*, *Burkholderia territorii*, and *Burkholderia ubonensis*. The collection considerably increases the number of curated *Burkholderia* genomes, specifically for *Burkholderia gladioli* (207 genomes), *Burkholderia ambifaria* (60 genomes), and *Burkholderia vietnamiensis* (35 genomes).

The *Paraburkholderia* genomes cover 14 named species and 1 unnamed species based on ANI analysis. The type strains of *Paraburkholderia caledonica* and *Paraburkholderia tuberum* were sequenced, and the type strains of 11 species were resequenced. Additional genome assemblies were deposited for *Paraburkholderia megapolitana* and *Paraburkholderia phenazinium*. Finally, three *Caballeronia* genomes were identified in the collection, i.e., *Caballeronia glathei*, *Caballeronia zhejiangensis*, and an uncharacterized *Caballeronia* species. The type strains of *Robbsia andropogonis* and *Trinickia caryophylli* were also resequenced.

Multiple novel metabolites have been identified, and their biosynthetic pathways have been elucidated, including the antimycobacterial compound gladiolin (9) and the lipopeptidolide antibiotic icosalides (15) in *B. gladioli*. The discovery and biosynthesis of enacyloxin IIa, an antibiotic with potent activity against *Acinetobacter baumannii* (16–18), and the antioomycete metabolite cepacin (19) have been studied in *B. ambifaria*. Further analysis of this *Burkholderiaceae* genome resource is under way to identify additional biologically active specialized metabolites and their potential applications.

Data availability. The genome sequences in this announcement have been deposited in the European Nucleotide Archive (ENA) under the project accession number PRJEB35318. The BioSample accession numbers for the 454 genome assemblies are ERS4267623 to ERS4268076. The Illumina paired-end read data associated with these genome assemblies have been deposited under the project accession number PRJEB9765, with the exception of *Burkholderia diffusa* LMG 29043, which is available under project accession number PRJEB35318.

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