

| Rank | Name                                  | Strain         | Authors                                    | Accession        | Pairwise Similarity (%) | Diff/Total nt | Completeness (%) |
|------|---------------------------------------|----------------|--|------------------|-------------------------|---------------|------------------|
| 1    | <i>Pandoraea pnomenus</i>             | CCUG 38742(T)  | Coenye et al. 2000                         | AY268170         | 99.86                   | 2/1461        | 100              |
| 2    | <i>Pandoraea faecigallinarum</i>      | KOx(T)         | Sahin et al. 2011                          | AB510956         | 99.78                   | 3/1378        | 94.32            |
| 3    | <i>Pandoraea pulmonicola</i>          | CCUG 38759(T)  | Coenye et al. 2000                         | AY268173         | 99.52                   | 7/1461        | 100              |
| 4    | <i>Pandoraea apista</i>               | CCUG 38412(T)  | Coenye et al. 2000                         | AY268172         | 99.45                   | 8/1461        | 100              |
| 5    | <i>Pandoraea vervacti</i>             | NS15(T)        | Sahin et al. 2011                          | AB510957         | 99.35                   | 9/1376        | 94.31            |
| 6    | <i>Pandoraea oxalativorans</i>        | TA25(T)        | Sahin et al. 2011                          | AB469785         | 99.2                    | 11/1375       | 94.18            |
| 7    | <i>Pandoraea sputorum</i>             | LMG 18819(T)   | Coenye et al. 2000                         | AF139176         | 99.18                   | 12/1470       | 100              |
| 8    | <i>Pandoraea norimbergensis</i>       | CCUG 39188(T)  | (Wittke et al. 1998)<br>Coenye et al. 2000 | AY268174         | 99.04                   | 14/1461       | 100              |
| 9    | <i>Pandoraea thiooxydans</i>          | ATSB16(T)      | Anandham et al. 2010                       | EF397578         | 97.23                   | 39/1408       | 96.91            |
| 10   | <i>Burkholderia pseudomultivorans</i> | LMG 26883(T)   | Peeters et al. 2014                        | HE962386         | 96.05                   | 58/1469       | 100              |
| 11   | <i>Burkholderia stabilis</i>          | LMG 14294(T)   | Vandamme et al. 2000                       | AF148554         | 95.98                   | 59/1469       | 100              |
| 12   | <i>Burkholderia seminalis</i>         | R-24196(T)     | Vanlaere et al. 2008                       | AM747631         | 95.93                   | 60/1475       | 100              |
| 13   | <i>Burkholderia anthina</i>           | R-4183(T)      | Vandamme et al. 2002                       | AJ420880         | 95.92                   | 60/1471       | 100              |
| 14   | <i>Burkholderia caledonica</i>        | NBRC 102488(T) | Coenye et al. 2001                         | BAYE01000<br>050 | 95.9                    | 61/1489       | 100              |
| 15   | <i>Burkholderia phytofirmans</i>      | PsJN(T)        | Sessitsch et al. 2005                      | CP001053         | 95.9                    | 61/1489       | 100              |
| 16   | <i>Burkholderia unamae</i>            | MTI-641(T)     | Caballero-Mellado et                       | AY221956         | 95.85                   | 61/1471       | 100              |

|    |                                  |               |   |                  |       |         |       |
|----|----------------------------------|---------------|---|------------------|-------|---------|-------|
|    |                                  |               | al. 2004  |                  |       |         |       |
| 17 | <i>Burkholderia cepacia</i>      | ATCC 25416(T) | (Palleroni and Holmes 1981)<br>Yabuuchi et al. 1993 | AXBO01000<br>009 | 95.84 | 62/1491 | 100   |
| 18 | <i>Burkholderia ambifaria</i>    | AMMD(T)       | Coenye et al. 2001                                  | CP000442         | 95.84 | 62/1491 | 100   |
| 19 | <i>Burkholderia oklahomensis</i> | C6786(T)      | Glass et al. 2006                                   | ABBG01000<br>575 | 95.84 | 62/1491 | 100   |
| 20 | <i>Burkholderia jiangsuensis</i> | MP-1(T)       | Liu et al. (in press)                               | KJ400396         | 95.83 | 62/1488 | 100   |
| 21 | <i>Burkholderia pyrrocinia</i>   | LMG 14191(T)  | (Imanaka et al. 1965)<br>Vandamme et al. 1997       | U96930           | 95.82 | 60/1434 | 97.62 |
| 22 | <i>Burkholderia diffusa</i>      | R-15930(T)    | Vanlaere et al. 2008                                | AM747629         | 95.81 | 62/1478 | 100   |
| 23 | <i>Burkholderia arboris</i>      | R-24201(T)    | Vanlaere et al. 2008                                | AM747630         | 95.8  | 62/1477 | 100   |
| 24 | <i>Burkholderia cenocepacia</i>  | J2315(T)      | Vandamme et al. 2003                                | AM747720         | 95.77 | 63/1491 | 100   |
| 25 | <i>Burkholderia metallica</i>    | R-16017(T)    | Vanlaere et al. 2008                                | AM747632         | 95.74 | 63/1478 | 100   |
| 26 | <i>Burkholderia glumae</i>       | LMG 2196(T)   | (Kurita and Tabei 1967)<br>Urakami et al. 1994      | AMRF01000<br>003 | 95.71 | 64/1491 | 100   |
| 27 | <i>Burkholderia rinojensis</i>   | A396(T)       | Cordova-Kreylos et al. 2013                         | KF650996         | 95.7  | 64/1490 | 100   |
| 28 | <i>Burkholderia grimmiae</i>     | R27(T)        | Tian et al. 2013                                    | JFHE010000<br>86 | 95.7  | 64/1489 | 100   |
| 29 | <i>Burkholderia terrestris</i>   | LMG 22937(T)  | Vandamme et al. 2013                                | HE981726         | 95.67 | 64/1478 | 100   |
| 30 | <i>Burkholderia tropica</i>      | Ppe8(T)       | Reis et al. 2004                                    | AJ420332         | 95.66 | 61/1406 | 96.63 |
| 31 | <i>Burkholderia lata</i>         | 383(T)        | Vanlaere et al. 2009                                | CP000150         | 95.64 | 65/1491 | 100   |
| 32 | <i>Burkholderia latens</i>       | R-5630(T)     | Vanlaere et al. 2008                                | AM747628         | 95.61 | 65/1480 | 100   |
| 33 | <i>Burkholderia sacchari</i>     | IPT101(T)     | Brämer et al. 2001                                  | AF263278         | 95.57 | 66/1489 | 100   |

|    |                                   |                 |   |              |       |         |       |
|----|-----------------------------------|-----------------|---|--------------|-------|---------|-------|
| 34 | <i>Burkholderia vietnamiensis</i> | LMG 10929(T)    | Gillis et al. 1995                        | AF097534     | 95.5  | 67/1489 | 100   |
| 35 | <i>Burkholderia rhizoxinica</i>   | HKI 454(T)      | Partida-Martinez et al. 2007              | FR687359     | 95.5  | 67/1489 | 100   |
| 36 | <i>Burkholderia sediminicola</i>  | HU2-65W(T)      | Lim et al. 2008                           | EU035613     | 95.45 | 67/1473 | 100   |
| 37 | <i>Burkholderia bannensis</i>     | NBRC 103871(T)  | Aizawa et al. 2011                        | BAYA01000085 | 95.44 | 68/1491 | 100   |
| 38 | <i>Burkholderia multivorans</i>   | ATCC BAA-247(T) | Vandamme et al. 1997                      | ALIW01000278 | 95.44 | 68/1491 | 100   |
| 39 | <i>Burkholderia oxyphila</i>      | NBRC 105797(T)  | Otsuka et al. 2011                        | BAYD01000210 | 95.44 | 68/1491 | 100   |
| 40 | <i>Burkholderia cordobensis</i>   | LMG 27620(T)    | Draghi et al. 2014                        | HG324048     | 95.44 | 67/1468 | 100   |
| 41 | <i>Burkholderia thailandensis</i> | E264(T)         | Brett et al. 1998                         | CP000086     | 95.43 | 68/1489 | 100   |
| 42 | <i>Burkholderia telluris</i>      | LMG 22936(T)    | Vandamme et al. 2013                      | HE981727     | 95.4  | 68/1478 | 100   |
| 43 | <i>Burkholderia zhejiangensis</i> | OP-1(T)         | Lu et al. 2012                            | JFHD01000081 | 95.3  | 70/1489 | 100   |
| 44 | <i>Burkholderia nigropunctata</i> | 19750521        | van Oevelen et al. 2004                   | AY277698     | 95.3  | 70/1488 | 100   |
| 45 | <i>Burkholderia dilworthii</i>    | WSM3556(T)      | De Meyer et al. 2014                      | HQ698908     | 95.27 | 70/1479 | 100   |
| 46 | <i>Burkholderia caryophylli</i>   | ATCC 25418(T)   | (Burkholder 1942)<br>Yabuuchi et al. 1993 | AB021423     | 95.23 | 69/1448 | 98.57 |
| 47 | <i>Burkholderia denitrificans</i> | KIS30-44(T)     | Lee et al. 2013                           | GU171384     | 95.2  | 68/1416 | 97.53 |
| 48 | <i>Burkholderia xenovorans</i>    | LB400(T)        | Goris et al. 2004                         | CP000270     | 95.16 | 72/1489 | 100   |
| 49 | <i>Burkholderia sordidicola</i>   | S5-B(T)         | Lim et al. 2003                           | AF512826     | 95.16 | 71/1468 | 99.93 |

|    |                                  |                |                               |              |       |          |     |
|----|----------------------------------|----------------|-------------------------------|--------------|-------|----------|-----|
| 50 | <i>Burkholderia dolosa</i>       | LMG 18943(T)   | Vermis et al. 2004            | JX986970     | 95.08 | 73/1483  | 100 |
| 51 | <i>Burkholderia phymatum</i>     | STM815(T)      | Vandamme et al. 2003          | CP001043     | 94.9  | 76/1489  | 100 |
| 52 | <i>Burkholderia nodosa</i>       | R-25485(T)     | Chen et al. 2007              | AM284971     | 94.89 | 75/1467  | 100 |
| 53 | <i>Burkholderia terrae</i>       | KMY02(T)       | Yang et al. 2006              | AB201285     | 94.69 | 78/1469  | 100 |
| 54 | <i>Burkholderia caballeronis</i> | TNe-841(T)     | Martínez-Aguilar et al. 2014  | EF139186     | 94.62 | 80/1487  | 100 |
| 55 | <i>Burkholderia ferrariae</i>    | NBRC 106233(T) | Valverde et al. 2006          | BAYB01000079 | 94.16 | 87/1489  | 100 |
| 56 | <i>Bordetella petrii</i>         | DSM 12804(T)   | von Wintzingerode et al. 2001 | AM902716     | 91.54 | 126/1489 | 100 |
| 57 | <i>Achromobacter animicus</i>    | LMG 26690(T)   | Vandamme et al. 2013          | HE613448     | 91.25 | 129/1475 | 100 |
| 58 | <i>Bordetella holmesii</i>       | ATCC 51541(T)  | Weyant et al. 1995            | CP007494     | 91.18 | 134/1520 | 100 |
| 59 | <i>Alcaligenes aquatilis</i>     | LMG 22996(T)   | Van Trappen et al. 2005       | JX986974     | 90.75 | 137/1481 | 100 |