**Table 2** Summary statistics of biosynthetic gene clusters of 44 *B. amyloliquefaciens* strains

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Accession** | **Strains** | **Biosynthesis gene clusters** | | | | **Genome of strains** | | |
| **Total** | **known** | **Unknown** | **Type** | **Size(Mb)** | **Gene** | **Protein** |
| CYHL01000001 | JRS5 | 38 | 27 | 11 | 12 | 4.03148 | 3870 | 3863 |
| CYHP01000001 | JRS8 | 42 | 26 | 16 | 11 | 4.0909 | 4016 | 4006 |
| NC\_014551 | DSM7 | 31 | 18 | 13 | 9 | 3.9802 | 4030 | 3811 |
| NC\_017188 | TA208 | 29 | 17 | 12 | 10 | 3.93751 | 3974 | 3847 |
| NC\_017190 | LL3 | 29 | 17 | 12 | 9 | 4.00199 | 4037 | 3887 |
| NC\_017191 | XH7 | 29 | 17 | 12 | 10 | 3.9392 | 3983 | 3846 |
| NC\_017912 | Y2 | 31 | 21 | 10 | 11 | 4.23862 | 4148 | 3983 |
| NC\_020272 | IT-45 | 32 | 19 | 13 | 11 | 3.93687 | 3832 | 3678 |
| NC\_022653 | CC178 | 35 | 19 | 16 | 9 | 3.91683 | 3795 | 3641 |
| NC\_023073 | LFB112 | 35 | 20 | 15 | 10 | 3.94275 | 3801 | 3637 |
| NZ\_AUNG01000001 | Lx-11 | 37 | 25 | 12 | 11 | 3.88689 | 3742 | 3619 |
| NZ\_AUWK01000001 | HB-26 | 45 | 30 | 15 | 9 | 3.98936 | 3842 | 3714 |
| NZ\_AVQH01000001 | EGD-AQ141 | 36 | 26 | 10 | 12 | 4.22259 | 4121 | 3995 |
| NZ\_AWQY01000001 | UASWS BA1 | 37 | 25 | 12 | 11 | 3.94409 | 3806 | 3681 |
| NZ\_CP006058 | UMAF6639 | 35 | 21 | 14 | 10 | 4.03464 | 3879 | 3716 |
| NZ\_CP006960 | UMAF6614 | 32 | 20 | 12 | 10 | 4.00514 | 3850 | 3695 |
| NZ\_CP007242 | KHG19 | 32 | 20 | 12 | 10 | 3.95336 | 3816 | 3658 |
| NZ\_CP010556 | L-H15 | 32 | 19 | 13 | 10 | 3.90597 | 3769 | 3615 |
| NZ\_CP011278 | L-S60 | 32 | 19 | 13 | 10 | 3.90302 | 3773 | 3611 |
| NZ\_CP013727 | MBE1283 | 35 | 22 | 13 | 12 | 3.97993 | 3856 | 3681 |
| NZ\_CP014700 | S499 | 33 | 19 | 14 | 11 | 3.93593 | 3819 | 3671 |
| NZ\_CP014783 | B15 | 29 | 19 | 10 | 10 | 4.00675 | 3875 | 3704 |
| NZ\_CP016913 | RD7-7 | 31 | 17 | 14 | 8 | 3.68821 | 3656 | 3483 |
| NZ\_DF836091 | CMW1 | 30 | 20 | 10 | 11 | 3.90857 | 3901 | 3706 |
| NZ\_JCOC01000001 | EBL11 | 35 | 23 | 12 | 11 | 3.92932 | 3773 | 3682 |
| NZ\_JMEG01000001 | B1895 | 38 | 24 | 14 | 12 | 4.10728 | 4026 | 3623 |
| NZ\_JQNZ01000001 | X1 | 40 | 28 | 12 | 10 | 3.9211 | 3766 | 3619 |
| NZ\_JTJG01000001 | JJC33M | 36 | 25 | 11 | 12 | 3.96166 | 3952 | 3796 |
| NZ\_JXAT01000001 | LPL-K103 | 36 | 23 | 13 | 9 | 3.87327 | 3743 | 3637 |
| NZ\_JZDI01000001 | 12B | 69 | 49 | 20 | 11 | 7.59676 | 8194 | 7985 |
| NZ\_KB206086 | DC-12 | 28 | 19 | 9 | 11 | 4.01656 | 3984 | 3842 |
| NZ\_KN723307 | TF281 | 31 | 20 | 11 | 11 | 3.98764 | 3782 | 3571 |
| NZ\_LGYP01000001 | 629 | 31 | 18 | 13 | 10 | 3.90337 | 3785 | 3427 |
| NZ\_LJAU01000001 | Bs006 | 45 | 30 | 15 | 10 | 4.17309 | 4074 | 3969 |
| NZ\_LJDI01000020 | XK-4-1 | 37 | 24 | 13 | 12 | 3.94181 | 3821 | 3701 |
| NZ\_LMAG01000001 | RHNK22 | 38 | 27 | 11 | 12 | 3.97818 | 3837 | 3698 |
| NZ\_LMAT01000001 | Jxnuwx-1 | 40 | 27 | 13 | 10 | 4.08932 | 4008 | 3870 |
| NZ\_LMUC01000016 | H57 | 34 | 23 | 11 | 11 | 3.95883 | 3859 | 3732 |
| NZ\_LPUP01000011 | 11B91 | 33 | 20 | 13 | 10 | 4.02366 | 3892 | 3702 |
| NZ\_LQQW01000001 | M49 | 41 | 30 | 11 | 11 | 3.88665 | 3741 | 3617 |
| NZ\_LQYO01000001 | B4140 | 39 | 25 | 14 | 11 | 4.01425 | 3847 | 3713 |
| NZ\_LQYP01000001 | B425 | 29 | 20 | 9 | 9 | 3.9682 | 4034 | 3844 |
| NZ\_LYUG01000001 | SRCM101266 | 31 | 19 | 12 | 11 | 3.76536 | 3781 | 3628 |
| NZ\_LZZO01000001 | SRCM101294 | 32 | 20 | 12 | 10 | 3.96275 | 3982 | 3850 |