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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Strain** | **Abbreviation herein** | **Assembly accession (public database)** | **Protein-encoding genes** | **COG-Q annotated genes (%)** | **SMCOG annotated genes (%)** | **antiSMASH regions** | **Previously described secondary metabolites (known functions) [reference]** |
| *Bacillus cereus* UW85 | *Bc*, B | Ga0417192 (JGI-IMG/M) | 6180 | 142 (2.3%) | 433 (7.0%) | 44 | Zwittermicin (antibiotic) [33, 42] Kanosamine (antibiotic) [33] Petrobactin (siderophore) [34] Bacillibactin (siderophore) [34, 41] Pulcherriminic acid (siderophore) [43] Bacillithiol (redox balance/resistance) [39, 40] Kurstakin (antibiotic/antifungal) [44] |
| *Flavobacterium johnsoniae* UW101 | *Fj*, F | GCA\_000016645.1 (NCBI-GenBank) | 5199 | 105 (2.0%) | 215 (4.1%) | 28 | Flexirubin (antioxidant) [35] |
| *Pseudomonas koreensis* CI12 | *Pk.*, K | Ga0417193 (JGI-IMG/M) | 5865 | 163 (2.8%) | 272 (4.6%) | 28 | N-acetylglutaminylglutamine amide (osmotic stress) [50] Lokisin (antibiotic/antifungal) [36, 49] Koreenceine (antibiotic) [37] |