Bacillus subtilis subsp. subtilis strain HMB19198 GyrB (gyrB) gene, complete cds

GenBank: MW558951.1

FASTA Graphics

Go to:

```
LOCUS       MW558951              1917 bp    DNA     linear   BCT 16-FEB-2022
DEFINITION  Bacillus subtilis subsp. subtilis strain HMB19198 GyrB (gyrB) gene,
            complete cds.
ACCESSION   MW558951
VERSION     MW558951.1
KEYWORDS    .
SOURCE      Bacillus subtilis subsp. subtilis
  ORGANISM  Bacillus subtilis subsp. subtilis
            Bacteria; Bacillota; Bacilli; Bacillales; Bacillaceae; Bacillus.
REFERENCE   1  (bases 1 to 1917)
  AUTHORS   Guo,Q.
  TITLE     Direct Submission
  JOURNAL   Submitted (31-JAN-2021) Biocontrol for Plant Disease, Plant
            Protection, 437#, Dongguan Street, Baoding, Hebei Province 071000,
            China
COMMENT     ##Assembly-Data-START##
            Assembly Method      :: DNAman v. V5.2.2
            Sequencing Technology :: 454
            ##Assembly-Data-END##
FEATURES             Location/Qualifiers
     source          1..1917
                     /organism="Bacillus subtilis subsp. subtilis"
                     /mol_type="genomic DNA"
                     /strain="HMB19198"
                     /isolation_source="soil"
                     /sub_species="subtilis"
                     /db_xref="taxon:135461"
                     /country="China"
                     /collection_date="2008-03-21"
                     /collected_by="Qinggang Guo"
     gene            1..1917
                     /gene="gyrB"
     CDS             1..1917
                     /gene="gyrB"
                     /note="DNA gyrase subunit B"
                     /codon_start=1
                     /transl_table=11
                     /product="GyrB"
                     /protein_id="UKT62018.1"
                     /translation="MEQQQNSYDENQIQVLEGLEAVRKRPGMYIGSTNSKGLHHLVWE
```

IVDNSIDEALAGYCTDINIQIEKDNSITVVDNGRGIPVGIHEKMGRPAVEVIMTVLHA
GGKFDGSGYKVSGGLHGVGASVVNALSTELDVTVHRDGKIHRQTYKRGVPVTDLEIIG
ETDHTGTTTHFVPDPEIFSETTEYDYDLLANRVRELAFLTKGVNITIEDKREGQERKN
EYHYEGGIKSYVEYLNRSKEVVHEEPIYIEGEKDGITVEVALQYNDSYTSNIYSFTNN
INTYEGGTHEAGFKTGLTRVINDYARKKGLIKENDPNLSGDDVREGLTAIISIKHPDP
QFEGQTKTKLGNSEARTITDTLFSTAMETFMLENPDAAKKIVDKGLMAARARMAAKKA
RELTRRKSALEISNLPGKLADCSSKDPSISELYIVEGDSAGGSAKQGRDRHFQAILPL
RGKILNVEKARLDKILSNNEVRSMITALGTGIGEDFNLEKARYHKVVIMTDADVDGAH
IRTLLLTFFYRYMRQIIENGYVYIAQPPLYKVQQGKRVEYAYNDKELEELLKTLPQTP
KPGLQRYKGLGEMNATQLWETTMDPSSRTLLQVTLEDAMDADETFEMLMGDKVEPRRN
FIEANARYVKNLDI"

ORIGIN

```
        1 atggaacagc agcaaaacag ttatgatgaa aatcagatac aggtactaga aggattggaa
       61 gctgttcgta aaagaccggg gatgtatatc ggttcgacaa acagcaaagg ccttcaccac
      121 ctggtatggg aaattgtcga caatagtatt gacgaagccc tcgccggtta ttgtacggat
      181 atcaatatcc aaatcgaaaa agacaacagt atcacggttg tagataatgg ccgcggtatt
      241 ccagtcggta ttcatgaaaa aatgggccgt cctgcggtag aagtcattat gacggtgctt
      301 catgccggag gaaaatttga cggaagcggc tataaagtat ccggaggatt acacggtgta
      361 ggtgcgtcgg tcgtaaacgc actatcaaca gagcttgatg tgacggttca ccgtgacggt
      421 aaaattcacc gccaaaccta taaacgcgga gttccggtta cagaccttga aatcattggc
      481 gaaacggatc atacaggaac gacgacacat tttgtcccgg accctgaaat tttctcagaa
      541 acaaccgagt atgattacga tctgcttgcc aaccgcgtgc gtgaattggc ctttttaaca
      601 aagggcgtaa acatcacgat tgaagataaa cgtgaaggac aagagcgcaa aaatgaatac
      661 cattacgaag gcggaattaa aagttatgta gagtatttaa accgctctaa agaggttgtc
      721 catgaagagc cgatttacat tgaaggcgaa aaggacggca ttacggttga agtggctttg
      781 caatacaatg acagctacac aagcaacatt tactcgttta caaacaacat taacacgtac
      841 gaaggcggta cccatgaagc tggcttcaaa acgggcctga ctcgtgttat caacgattac
      901 gccagaaaaa aagggcttat taaagaaaat gatccaaacc taagcggaga tgacgtaagg
      961 gaagggctga cagcgattat ttcaatcaaa caccctgatc cgcagtttga gggccaaacg
     1021 aaaacaaagc tgggcaactc agaagcacgg acaatcaccg atacgttatt ttctacggcg
     1081 atggaaacat ttatgctgga aaatccagat gcggccaaaa aaattgtcga taaaggctta
     1141 atggcggcaa gagcaagaat ggctgcgaaa aaagcgcgtg aactaacacg ccgtaagagt
     1201 gctttggaaa tttcaaactt gcccggtaag ttagcggact gctcttcaaa agatccgagc
     1261 atttccgagt tatatatcgt agagggtgac tctgccggag gatctgctaa acaaggacgc
     1321 gacagacatt tccaagccat tttgccgctt agaggtaaaa tcctaaacgt tgaaaaggcc
     1381 cgactggata aaatcctttc taacaacgaa gttcgctcta tgatcacagc gctcggcaca
     1441 ggtatcgggg aagacttcaa ccttgagaaa gcccgttacc acaaagttgt cattatgaca
     1501 gatgccgatg ttgacggcgc gcacatcaga acactgctgt taacgttctt ttacagatat
     1561 atgcgccaaa ttatcgaaaa tggctacgtg tacattgcac agccgccgct ctacaaggtt
     1621 caacaaggga aacgcgttga atatgcgtac aatgacaagg agcttgaaga gctgttaaaa
     1681 actcttcctc aaacgcctaa gcctggactg cagcgttaca aaggtcttgg tgaaatgaat
     1741 gccacccagc tttgggagac aaccatggat cctagctcca gaacacttct tcaggtaact
     1801 cttgaagatg caatggatgc ggacgagact tttgaaatgc ttatgggcga caaggtagaa
     1861 ccgcgccgaa acttcataga agcgaatgcg agatacgtta aaaatcttga catctaa
```