PopSet

GenBank

Bulinus truncatus internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence.

PopSet: 1566171293

Study Details

Ecology of freshwater snails in selected rivers in Edu and Patigi LGAs of Kwara State, North Central Nigeria

Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O., Gyang,P.V., Henry,E.U. and Nwafor,T.E.

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            partial sequence; 5.8S ribosomal RNA gene, complete sequence; and
            internal transcribed spacer 2, partial sequence.
ACCESSION   MH361751
VERSION     MH361751.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 1125)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1125)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
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            ##Assembly-Data-END##
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       61 amccmccacc atggaactcg tcgctcggca tatktctccg gcagggaagg gtgcatgaag
      121 cgccgtcccg gtcgcttgkr ccgctcatgt gtcgggtacc ttagcacgtc cttaggcgat
      181 ccacggtgac ggcttagagc tcgataaygc tcgccggatc gcaaggtcaa agagtcggcc
      241 tgctctcggt cgaccgccca cttgttttgt tacgctaatg tccatgggta cctatgcccc
      301 gcggtgacgg cctgctcttg ccgtgtatac caccgtgcgg gtgaaagctc cctcgctctc
      361 gkccgcgagg ttwaaagagc cgagaggcgg gcgcttgctc tggcgctcgc cgacgaccgg
      421 ccgcccaagc attttctcgt ttttatttca caaacgcatc taattgcttg atttccatgg
      481 tgacgctaaa atcgtcgcgc tgacgataaa acaaaagtac aactttgagc ggtggatcac
      541 tcggctcgtg cgtcgatgaa gagcgcagcc agctgcgtga attaatgtga attgcagaac
      601 acattgaaca tcgacctctt gaacgcacat ggcggcctcg ggtccatccc ggggccacgc
      661 ccgtctgagg gtcggttggc taaagcgatc gctacgaagc attaatatcg ttctgcggct
      721 tgcagggcgc gtcccgtcgt cgcttgcact ygacasgakg agatgacggg awcgctcgaa
      781 acggaacggt gttgcttatg gcattgggtg ttcgctcacc cgcgtagcgc tttgggcctt
      841 cgcggatagc ttctctgccc cgctctggcg gagtcgcaag tccccgtggc ctcaagtaca
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      961 gtcgccaggg caggacccgg ctcgtgctct tgcgagtcat acggacctcg ttcctgkcac
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LOCUS       MH361752               1169 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL2 internal transcribed spacer 1,
            partial sequence; 5.8S ribosomal RNA gene, complete sequence; and
            internal transcribed spacer 2, partial sequence.
ACCESSION   MH361752
VERSION     MH361752.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 1169)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1169)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
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                     /collection_date="2017"
                     /collected_by="Ojo Sunday"
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                     ribosomal RNA, and internal transcribed spacer 2"
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       61 ctcgcaymyy tytccggcag gggaagggtg catgaagcgc cgtcccggtc ggcttgtgac
      121 cgctccatgt gtcggggtac ctagccacgt ccttaggcga tccacggtga cggcttagag
      181 ctcgataayg ctcgccggat cgcaaggttc aaagagtcgg cctgctctcg gtcgaccgcc
      241 ccacttgttt tgttacgcta atgtccatgg gtacctatgc cccgcggtga cggcctgctc
      301 ttgccgtgta taccaccgtg cgggtgaaag ctccctcgct ctcgggccgc gaggtttaaa
      361 gagccgagag gcgggcgctt gctctggcgc tcgccracga ccggccgccc aagcattttc
      421 tcgtttttat ttcacaaacg catctaattg cttgatttcc atggtgacgc taaaatcgtc
      481 gcgctgacga taaaacaaaa gtacaacttt gagcggtgga tcactcggct cgtgcgtcga
      541 tgaagagcgc agccagctgc gtgaattaat gtgaattgca gaacacattg aacatcgacc
      601 tcttgaacgc acatggcggc ctcgggtcca tcccggggcc acgcccgtct gagggtcggt
      661 tggctaaagc gatcgctacg aagcattaat atcgttctgc ggcttgcagg gcgcgtcccg
      721 tcgtcgcttg cactcgacac gaggagatga cgggatcgct cgaaacggaa cggtgttgct
      781 tatggcattg ggtgttcgct cacccgcgta gcgctttggg ccttcgcggg atagcttctc
      841 tgccccgctc tggcggagtc gcaagtcccc sgtgscctca agtacaggat gcgccgttcg
      901 tcctttcctg tcccctttac gcatgtcsgc gttacggkra tctctcgtmg magggaggac
      961 cggctcgkgc ttcttgcgag tcatacagaa cctcgtgcct gcaacagtct tcyctccmac
     1021 aggsaagggs sggcttgaaa tgggytwtaa cgcgkgtgag gkgaacatga tgacgcsccc
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     1141 tacccgctts tktaactctt twaatgsac
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LOCUS       MH361753               1162 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL3 internal transcribed spacer 1,
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            internal transcribed spacer 2, partial sequence.
ACCESSION   MH361753
VERSION     MH361753.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
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REFERENCE   1  (bases 1 to 1162)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1162)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
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                     /collected_by="Ojo Sunday"
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                     ribosomal RNA, and internal transcribed spacer 2"
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       61 tgtgcatcat cgcacgatac acacmcacat gaaaactcgt cgctcgcata tgtctcggca
      121 gggaaagggt gcatgaagcg ccgtcccggt cggcttgtga ccgctccatg tgtcggggta
      181 cctagccacg tccttaggcg atcccacggt gacggcttag agctcgataa tgctcgccgg
      241 atcgcaaggt tcaaagagtc ggcctgctct cggtcgaccg ccccacttgt tttgttacgc
      301 taatgtccat gggtacctat gccccgcggt gacggcctgc tcttgccgtg tataccaccg
      361 tgcgggtgaa agctccctcg ctctcgggcc gcgaggttta aagagccgag aggcgggcgc
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      781 acgaggagat gacgggaacg ctcgaaacgg aacggtgttg cttatggcat tgggtgttcg
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      901 cgcaagtccc cgtggcctca agtacaggat gcgccgttcg tccttcctgt ccccctttac
      961 gcatgtcgcc gttacggtga tctctcgtcg ccagggcagg acccggctcg tgctcttgcg
     1021 agtcatacgg acctcgtgcc tggcacagtc tctcccccac accaggggag gggcgggctt
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     1141 ataaacacaa tatatyyccg ct
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LOCUS       MH361754                973 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL4 internal transcribed spacer 1,
            partial sequence; 5.8S ribosomal RNA gene and internal transcribed
            spacer 2, complete sequence; and large subunit ribosomal RNA gene,
            partial sequence.
ACCESSION   MH361754
VERSION     MH361754.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 973)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 973)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
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DEFINITION  Bulinus truncatus isolate MPRL5 internal transcribed spacer 1,
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ACCESSION   MH361755
VERSION     MH361755.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 1152)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1152)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
            Sequencing Technology :: Sanger dideoxy sequencing
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LOCUS       MH361756               1147 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL6 internal transcribed spacer 1,
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ACCESSION   MH361756
VERSION     MH361756.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 1147)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1147)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
            Sequencing Technology :: Sanger dideoxy sequencing
            ##Assembly-Data-END##
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                     /collection_date="2017"
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                     ribosomal RNA, and internal transcribed spacer 2"
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       61 ctcamatatg tctccggyat gggaagggtg catgaakmgm crtyccggwc ggcttgtgac
      121 cgctccatgt gtaggggtac gtacccacrt ccttaagcaa cccacsgwga cggsttarag
      181 ctcgataacg ctcgacggat cggwmggytc awakagkcrg sctgctctcg accgaccccc
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      541 traagagcgc agccagctgc gtgaattaat gtgaattgca raacacattg aacatckacc
      601 tcttgaacgy acatggcggc ctcgggtcca tcccggggcc acgcccgwct gagggtcggt
      661 tggmtaaagc gatcgctacg aakcatwwat atckktctgy ggcttgsagg gcgcgtcccg
      721 tcgtcgcttg cactcsacac gargagatga crggaacgct cgaaacggaa cggtgttgct
      781 tatggcattg ggtgytcgct cacccgcgta kckctttggg ccttcrcrga tagcttctct
      841 gcccyckctc tggrcggagw cgcaagyccs cgyggcactc aartrcagga tgcgccgttc
      901 gtccttkcct stccycymtt tacgcatgtc gccmgtkacg agtkatctct cgtcggcgar
      961 ggcasgaccc tggctcgtyg ytcttagcga gtcatacgga ccttcgtgcc trgrcacwgt
     1021 ctctcccccc cacaccaagg acggcgtgca ttagagatgr tctataacgc gwgkgaggtg
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     1081 tacatgtgac ggcgcctgct tcgkcaagct gtataacccc aatatttygt cgacctwcag
     1141 aattcga
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LOCUS       MH361757               1167 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL7 internal transcribed spacer 1,
            partial sequence; 5.8S ribosomal RNA gene, complete sequence; and
            internal transcribed spacer 2, partial sequence.
ACCESSION   MH361757
VERSION     MH361757.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 1167)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1167)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
            Sequencing Technology :: Sanger dideoxy sequencing
            ##Assembly-Data-END##
FEATURES             Location/Qualifiers
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                     /mol_type="genomic DNA"
                     /isolate="MPRL7"
                     /db_xref="taxon:55810"
                     /dev_stage="Adult"
                     /country="Nigeria"
                     /collection_date="2017"
                     /collected_by="Ojo Sunday"
     misc_RNA        <1..>1167
                     /note="contains internal transcribed spacer 1, 5.8S
                     ribosomal RNA, and internal transcribed spacer 2"
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       61 tgtgcattca tcgcacgata cacmacacmc atgaaaactc gtcgctcgca tatktctccg
      121 gcagrggaaa ggggtgcatg aagcgccgtc ccggtcggct tgkgaccgct ccatgtgtcg
      181 gggtacctag ccacgtcctt aggcgatcca cggtgacggc ttagagctcg ataatgctcg
      241 ccggatcgca aggttcaaag agtcggcctg ctctcggtcg accgccccac ttgttttgtt
      301 acgctaatgt ccatgggtac ctatgccccg cggtgacggc ctgctcttgc cgtgtatacc
      361 accgtgcggg tgaaagctcc ctcgctctcg ggccgcgagg tttaaagagc cgagaggcgg
      421 gcgcttgctc tggcgctcgc cgacgaccgg ccgcccaagc attttctcgt ttttatttca
      481 caaacgcatc taattgcttg atttccatgg tgacgctaaa atcgtcgcgc tgacgataaa
      541 acaaaagtac aactttgagc ggtggatcac tcggctcgtg cgtcgatgaa gagcgcagcc
      601 agctgcgtga attaatgtga attgcagaac acattgaaca tcgacctctt gaacgcacat
      661 ggcggcctcg ggtccatccc ggggccacgc ccgtctgagg gtcggttggc taaagcgatc
      721 gctacgaagc attaatatcg ttctgcggct tgcagggcgc gtcccgtcgt cgcttgcact
      781 cgacacgagg agatgacggg aacgctcgaa acggaacggt gttgcttatg gcattgggtg
      841 ttcgctcacc cgcgtagcgc tttgggcctt cgcggatagc ttctctgccc cgctctggcg
      901 gagtcgcaag tccccgtggc ctcaagtaca ggatgcgccg ttcgtccttc ctgtcccccc
      961 ttacgcatgt cgccgttacg gtgatctctc gtcgccaggg caggacccgg ctcgtgctct
     1021 tgcgagtcat acggacctcg tgcctggcac agtctctccc ccacaccagg ggaggggcgg
     1081 gcttgagatg ggctataacg cgtgtgaggt ggacatgtga cggcgcccgc ctcgtcaagg
     1141 gcgtataaac acaatwtwty yyccgct
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LOCUS       MH361758               1141 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL8 internal transcribed spacer 1,
            partial sequence; 5.8S ribosomal RNA gene, complete sequence; and
            internal transcribed spacer 2, partial sequence.
ACCESSION   MH361758
VERSION     MH361758.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 1141)
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  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1141)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
            Sequencing Technology :: Sanger dideoxy sequencing
            ##Assembly-Data-END##
FEATURES             Location/Qualifiers
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                     /isolate="MPRL8"
                     /db_xref="taxon:55810"
                     /dev_stage="Adult"
                     /country="Nigeria"
                     /collection_date="2017"
                     /collected_by="Ojo Sunday"
     misc_RNA        <1..>1141
                     /note="contains internal transcribed spacer 1, 5.8S
                     ribosomal RNA, and internal transcribed spacer 2"
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       61 tcgcatatgt ctccggcagg ggaagggtgc atgaagcgcc gtcccggtcg gcttgtgacc
      121 gctccatgtg tcggggtacc tagccacgtc cttaggcgat ccacggtgac ggcttagagc
      181 tcgataatgc tcgccggatc gcaaggttca aagagtcggc ctgctctcgg tcgaccgccc
      241 cacttgtttt gttacgctaa tgtccatggg tacctatgcc ccgcggtgac ggcctgctct
      301 tgccgtgtat accaccgtgc gggtgaaagc tccctcgctc tcgggccgcg aggtttaaag
      361 agccgagagg cgggcgcttg ctctggcgct cgccgacgac cggccgccca agcattttct
      421 cgtttttatt tcacaaacgc atctaattgc ttgatttcca tggtgacgct aaaatcgtcg
      481 cgctgacgat aaaacaaaag tacaactttg agcggtggat cactcggctc gtgcgtcgat
      541 gaagagcgca gccagctgcg tgaattaatg tgaattgcag aacacattga acatcgacct
      601 cttgaacgca catggcggcc tcgggtccat cccggggcca cgcccgtctg agggtcggtt
      661 ggctaaagcg atcgctacga agcattaata tcgttctgcg gcttgcaggg cgcgtcccgt
      721 cgtcgcttgc actcgacacg aggagatgac gggaacgctc gaaacggaac ggtgttgctt
      781 atggcattgg tgttcgctca cccgcgtagc gctttgggcc ttcgcggata gcttctctgc
      841 cccgctctgg cggagtcgca agtccccgtg gcctcaagta caggatgcgc cgttcgtcct
      901 tcctgtcccc ctttacgcat gtcgccgtta cggtgatctc tcgtcgccag ggcaggaccc
      961 gggctcgtgc tcttgcgagt catacggacc tcgtgcctgg cacagtctct cccyccacac
     1021 cagggagggg gcgggctgag atggctatac gcgtgtgagt gacatgtgam cgcgctcgct
     1081 tcgtcagggc gattaccata atctcgactc gatcgacgag ataccgcgcg tgckctmtsa
     1141 t
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LOCUS       MH361759               1136 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL9 internal transcribed spacer 1,
            partial sequence; 5.8S ribosomal RNA gene, complete sequence; and
            internal transcribed spacer 2, partial sequence.
ACCESSION   MH361759
VERSION     MH361759.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 1136)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1136)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
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                     /dev_stage="Adult"
                     /country="Nigeria"
                     /collection_date="2017"
                     /collected_by="Ojo Sunday"
     misc_RNA        <1..>1136
                     /note="contains internal transcribed spacer 1, 5.8S
                     ribosomal RNA, and internal transcribed spacer 2"
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        1 gatatymatt attcggtttg tktkgtkgca atcattscac gawtcacmcc acccmatgaa
       61 aacygkkcgy tcgcawtatg tctccgcagg ggaaagggtg catgaagcsc cgtccggtcc
      121 ggctttgkga ccgctccatg tgtcggggta cctagccacg tcctttrggc gatccmcgkk
      181 gacggcttwg agctcgataa tgctcgccgg atcgcaagkt tcaaagagtt sggcctgctc
      241 tcggtcgacc gccccactt gttttgttac gctaatgtcc atgggtacct atgccccgcg
      301 gtgacggcct gctcttgccg tgtataccac cgtgcgggtg aaagctccct cgctctcggg
      361 scsgcgaggt ttaaagagcc gagagrcggg cgcttgctct ggcgctcgcc gacgaccggc
      421 cgcccaagca ttttctcgtt tttatttcac aaacgcatct aattgcttga tttccatggt
      481 gacgctaaaa tcgtcgcgct gacgataaaa caaaagtaca actttgagcg gtggatcact
      541 cggctcgtgc gtcgatgaag agcgcagcca gctgcgtgaa ttaatgtgaa ttgcagaaca
      601 cattgaacat cgacctcttg aacgcacatg gcggcctcgg gtccatcccg gggccacgcc
      661 cgtctgaggg tcggttggct aaagcgatcg ctacgaagca ttaatatcgt tctgcggctt
      721 gcagggcgcg tcccgtcgtc gcttgcactc gacacgagga gatgacggga acgctcgaaa
      781 cggaacggtg ttgcttatgg cattgggtgt tcgctcaccc gcgtagcgct ttgggccttc
      841 gcggatagct tctctgcccc gctctggcgg agtcgcaagt ccccgtggcc tcaagtacag
      901 gatgcgccgt tcgtccttcc tgtccccctt tacgcatgtc gccgttacgg tgatctctcg
      961 tcgccagggc aggacccggc tcgtgctctt gcgagtcata cggacctcgt gcctggcaca
     1021 gtctctcccc cacaccaggg gaggggcggg cttgagatgg gctataacgs gtgtgaggtg
     1081 gacatgtgac ggcgcccgcc tcgtcaaggg cgtataaaca caatwtwtyy ccsgct
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LOCUS       MH361760                751 bp    DNA     linear   INV 07-JUN-2019
DEFINITION  Bulinus truncatus isolate MPRL10 internal transcribed spacer 1,
            partial sequence; 5.8S ribosomal RNA gene, complete sequence; and
            internal transcribed spacer 2, partial sequence.
ACCESSION   MH361760
VERSION     MH361760.1
KEYWORDS    .
SOURCE      Bulinus truncatus
  ORGANISM  Bulinus truncatus
            Eukaryota; Metazoa; Spiralia; Lophotrochozoa; Mollusca; Gastropoda;
            Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea;
            Planorbidae; Bulinus.
REFERENCE   1  (bases 1 to 751)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Ecology of freshwater snails in selected rivers in Edu and Patigi
            LGAs of Kwara State, North Central Nigeria
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 751)
  AUTHORS   Sunday,O.J., Ugbomoiko,U.S., Akinwale,O.P., Babamale,A.O.,
            Gyang,P.V., Henry,E.U. and Nwafor,T.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-MAY-2018) Molecular Parasitology Research Laboratory,
            Public Health Division, Nigerian Institute of Medical Research, 6
            Edmund Crescent, off Murtala Mohammed Way, Yaba, Lagos 234/1,
            Nigeria
COMMENT     ##Assembly-Data-START##
            Sequencing Technology :: Sanger dideoxy sequencing
            ##Assembly-Data-END##
FEATURES             Location/Qualifiers
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       61 ctcgatcycg tttaggaggg gaagggtgca tgaagcgccg tcccggtcgg cttgtgaccg
      121 ctcctgtgtc ggggtaccta gccacgtcct taggcgatcc acggtgacgg cttagagctc
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      181 gataatgctc gccggatcgc aaggttcaaa gagtcggcct gctctcggtc gaccgcccca
      241 ttgttttgtt acgctaatgt ccatgggtac ctatgccccg cggtgacggc ctgctcttgc
      301 cgtgtatacc accgtgcggg tgaaagctcc ctcgctctcg ggccgcgagg tttaaagagc
      361 cgagaggcgg gcgcttgctc tggcgctcgc cracgaccgg ccgcccaagc attttctcgt
      421 ttttatttca caaacgcatc taattgcttg atttccatgg tgacgctaaa atcgtcscgc
      481 tgacgataaa acaaaagtac aactttgagc ggtggatcac tcggctcgtg cgtcgatraa
      541 gagcgcagcc agctgcgtga attaatgtga attgcagaac acattsaaca tcgacctctt
      601 gaaacgcaca tggcggcctc gggtccatcc mgggrgccac gcccgtatga gggycggttg
      661 gctaaagcga tcgctacgaa gcattaatat cgttctgcgg cttgcagggc gcgtccccgt
      721 cgtcgcttgc actcgacacg rggagatgac g
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HHS Vulnerability Disclosure