

Gene 19516..20316
 /locus_tag="AM1_0019"
 /db_xref="GeneID:5678856"
 CDS 19516..20316
 /locus_tag="AM1_0019"
 /codon_start=1
 /transl_table=11
 /product="IS4 family transposase"
 /protein_id="YP_001514422.1"
 /db_gi="gi:158333250"
 /db_xref="GeneID:5678856"
 /translation="MPTAYDSDLTTTLQWELLEPLIPAAKPGGRPRTTDMLSVLNAIFY
 LVVTGCQWRQLPHDFPCWSTVYSYFRRWRDDGTWVHINEHLRMQERVSEDRHPSPSAA
 ICDAQSVKVGNNPRCHSIGFDGGKMKVGRKRHVLVDLTLGLVLMVMVTAANISDQRGAKI
 LFWKARRQGASLSRLVRIWADAGYQGQALMKWVMDRFQYVLEVVKRSDNLAGFQVVSK
 RWIVERTFGWLLWSRRLNKDYEVLTRTAEALAYVAMIRLMVRRLAQEH"

repeat_region 19433..19436
 /note="target site duplication generated by insertion of ISAcma5"
 /rpt_type=direct
 repeat_region 19437 ..20334
 /note="IS5 ssgr IS1031 family"
 /mobile-element="insertion sequence: ISAcma5"
 repeat_region 19437 ..19453
 /note="ISAcma5, terminal inverted repeat"
 /rpt_type=inverted
 Gene 19516..20316
 /locus_tag="AM1_0019"
 CDS 19516..20316
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 /product="transposase ISAcma5, IS5 ssgr IS1031 family"
 /translation="MPTAYDSDLTTTLQWELLEPLIPAAKPGGRPRTTDMLSVLNAIFY
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 ICDAQSVKVGNNPRCHSIGFDGGKMKVGRKRHVLVDLTLGLVLMVMVTAANISDQRGAKI
 LFWKARRQGASLSRLVRIWADAGYQGQALMKWVMDRFQYVLEVVKRSDNLAGFQVVSK
 RWIVERTFGWLLWSRRLNKDYEVLTRTAEALAYVAMIRLMVRRLAQEH"
 repeat_region 20318..20334
 /note="ISAcma5, terminal inverted repeat"
 /rpt_type=inverted
 repeat_region 20335..20338
 /note="target site duplication generated by insertion of ISAcma5"
 /rpt_type=direct