Orientia tsutsugamushi strain JJOtsu7 chromosome, complete genome

GenBank: CP166957.1

FASTA Graphics

Go to:

LOCUS CP166957 1401 bp DNA linear BCT 20-AUG-2024
DEFINITION Orientia tsutsugamushi strain JJOtsu7 chromosome, complete genome.
ACCESSION CP166957 REGION: 223838..225238
VERSION CP166957.1
DBLINK BioProject: PRJNA1141359
BioSample: SAMN42886733
KEYWORDS .
SOURCE Orientia tsutsugamushi
ORGANISM Orientia tsutsugamushi
Bacteria; Pseudomonadati; Pseudomonadota; Alphaproteobacteria;
Rickettsiales; Rickettsiaceae; Rickettsieae; Orientia.
REFERENCE 1 (bases 1 to 1401)
AUTHORS Kumaraswamy,J., Gunasekaran,K., Kirubananthan,A., Abhilash,K.P.P. and Prakash,J.A.J.
TITLE Direct Submission
JOURNAL Submitted (29-JUL-2024) Clinical Microbiology, Christian Medical College, Ida scudder road, vellore, Tamil Nadu 632004, India
COMMENT The annotation was added by the NCBI Prokaryotic Genome Annotation Pipeline (PGAP). Information about PGAP can be found here: https://www.ncbi.nlm.nih.gov/genome/annotation_prok/

##Genome-Assembly-Data-START##
Assembly Date :: 29-JUL-2024
Assembly Method :: Flye v. 2.9.3
Genome Representation :: Full
Expected Final Version :: Yes
Genome Coverage :: 1778X
Sequencing Technology :: PacBio Sequel
##Genome-Assembly-Data-END##

##Genome-Annotation-Data-START##
Annotation Provider :: NCBI
Annotation Date :: 08/13/2024 11:11:35
Annotation Pipeline :: NCBI Prokaryotic Genome Annotation Pipeline (PGAP)
Annotation Method :: Best-placed reference protein set; GeneMarkS-2+
Annotation Software revision :: 6.8
Features Annotated :: Gene; CDS; rRNA; tRNA; ncRNA
Genes (total) :: 2,379

CDSs (total) :: 2,339
Genes (coding) :: 1,767
CDSs (with protein) :: 1,767
Genes (RNA) :: 40
rRNAs :: 1, 1, 1 (5S, 16S, 23S)
complete rRNAs :: 1, 1, 1 (5S, 16S, 23S)
tRNAs :: 34
ncRNAs :: 3
Pseudo Genes (total) :: 572
CDSs (without protein) :: 572
Pseudo Genes (ambiguous residues) :: 0 of 572
Pseudo Genes (frameshifted) :: 288 of 572
Pseudo Genes (incomplete) :: 411 of 572
Pseudo Genes (internal stop) :: 121 of 572
Pseudo Genes (multiple problems) :: 206 of 572
##Genome-Annotation-Data-END##

FEATURES Location/Qualifiers
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/strain="JJOtsu7"
/isolation_source="PBMC"
/host="Homo sapiens"
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/geo_loc_name="India: Vellore"
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/collection_date="2024-01-29"
/collected_by="Janaki and Agilandeeswari"
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CDS 1..1401
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/note="Derived by automated computational analysis using
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ORIGIN

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     121 attaatgtaa atagtttatc cgatatagtt gagccattaa tatctacagt agtaagtatt
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     241 gaagtgttct taggttctgg ggttatcatt gatagttctg gatatattgt tactaatgag
     301 aatgttatag cgggagctga aaatataaaa gtaaagttgc atgatggttc agaactgata
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