

GenBank Record Survey 2024

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All questions are optional, and you may exit the survey at any time.

Which role best describes you?

- ☐ Researcher
 - ☐ Student (including graduate student)
 - ☐ Educator
 - ☐ Other (please tell us more)
-

Do you submit sequences to GenBank?

- ☐ Yes
 - ☐ No
-

How do you access GenBank records? (select all that apply)

- ☐ Web browsing
 - ☐ Programmatic download
-

How important have GenBank records been to furthering your research?

- ☐ Not at all important
 - ☐ Slightly important
 - ☐ Moderately important
 - ☐ Very important
 - ☐ Extremely important
-

How do you use GenBank records in your research? (select all that apply)

- ☐ Design species or gene-specific primers
 - ☐ Construct phylogenetic trees
 - ☐ Discover genes and/or protein functions
 - ☐ Identify unknown organisms
 - ☐ Find drug targets
 - ☐ Other (please tell us more)
-

How would you find a GenBank record? (select all that apply)

☐

Use accession number from a BLAST result

☐

Use accession number from a publication

☐

Follow "Sequence Data" link from a BioProject or BioSample

☐

Keyword search

☐

Other (please tell us more)

Please rank the information on a GenBank record from most important to least important to you.

Title	<p>Idiomilionia ventralis voucher USNM:ENT:00723968 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial</p> <p>GenBank: KP850116.1</p> <p>FASTA Graphics</p> <p>Go to: ☺</p> <p>Example record</p>
Publication	<p>DEFINITION Idiomilionia ventralis voucher USNM:ENT:00723968 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial.</p> <p>ACCESSION KP850116</p> <p>VERSION KP850116.1</p> <p>KEYWORDS BARCODE.</p> <p>SOURCE mitochondrion Idiomilionia ventralis</p> <p>ORGANISM <i>Idiomilionia ventralis</i> Eukaryota; Metazoa; Ecdysozoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Lepidoptera; Glossata; Ditrysia; Geometroidea; Geometridae; Ennominae; Idiomilionia.</p> <p>REFERENCE 1 (bases 1 to 658) AUTHORS Miller,S.E., Rosati,M.E., Gewa,B., Novotny,V., Weiblen,G.D. and Hebert,P.D.N. TITLE DNA barcodes of Lepidoptera reared from Yawan, Papua New Guinea JOURNAL Proc. Entomol. Soc. Wash. 117 (2), 247-250 (2015)</p>
Biological sample metadata	<p>FEATURES</p> <p>source</p> <p>Location/Qualifiers 1..658 /organism="Idiomilionia ventralis" /organelle="mitochondrion" /mol_type="genomic DNA" /specimen_voucher="USNM:ENT:00723968" /db_xref="taxon:1674985" /geo_loc_name="Papua New Guinea: Morobe, Yawan village" /lat_lon="6,167 S 146,83 E" /collection_date="11-Oct-2012" /collected_by="Binatang Research Center" /identified_by="Scott E. Miller" /PCR_primers="fwd_seq: attcaaccaatcataaagatattgg, rev_seq: taaactctggatgtccaaaaatca" 1..658 /gene="COI" 1..658 /gene="COI" /codon_start=2 /transl_table=5 /product="cytochrome oxidase subunit 1" /protein_id="AK022434.1" /translation="TLVFIFGAAAGAGVGTSLSLIRAEIAGPGLIGDQIYHIVTA HAFIMIFFMMPIMTGGFGMLVPLMLGAPQAFPRPQAFHLLPPSITLLSSSIV ENGAGTGTVYPPVSSNIAHGSSVDLAFSLHLAGTSSILGAINFITTIIIMRLHIL SFDQMPLFVAVGITAFLLLSLPVLGATIMLLTORHNTSFFDPAGGGDPIYQHL F"</p>
Sequence annotation	<p>gene</p> <p>CDS</p>
Sequence	<p>ORIGIN</p> <p>1 aacattatat ttatttttcg gtgtttgagc aggaatagta ggaacttctt taagattatt 61 aattcgagct gatttaggta acccggctc ttaattgga gatgatcaaa ttataatac 121 tattgtaact gctcatgctt ttattataat tttttttata gttataccaa ttataattgg 181 aagattttaa aattatttaa tacccttaat gtttaagact cctaatatac ctttccace</p>

- _____ Record title (DEFINITION)
- _____ Publication (REFERENCE)
- _____ Biological sample metadata (FEATURES > source)
- _____ Sequence
- _____ Sequence annotation (e.g., FEATURES > CDS)
- _____ Other (please tell us more)

Please rank the information about the **biological sample metadata** from most important to least important to you.

Biological source 1..658
sample /organism="Idiomilonia ventralis"
metadata /organelle="mitochondrion"
/mol_type="genomic DNA"
/specimen_voucher="USNM:ENT:00723968"
/db_xref="taxon:1674985"
/geo_loc_name="Papua New Guinea: Morobe, Yawan village"
/lat_lon="6.167 S 146.83 E"
/collection_date="11-Oct-2012"
/collected_by="Binatang Research Center"
/identified_by="Scott E. Miller"
/PCR_primers="fwd_seq: attcaaccaatcataaagatttgg, rev_seq: taaacttctggatgtccaaaaatca"

- _____ Organism name
- _____ Additional organism information (e.g., strain, isolate, cultivar)
- _____ Biological or environmental origin of sample (e.g., tissue, soil, host of a virus)
- _____ Geographic location of sample collection
- _____ Collection date
- _____ Voucher linked to a physical specimen
- _____ Other (please tell us more)

Please rank the kinds of **sequence annotation** from most important to least important to you.

gene <1..>658 Location or interval span
CDS /gene="COI" Gene symbol
Protein product name <1..>658
/gene="COI"
/codon_start=2
/transl_table=5
/product="cytochrome oxidase subunit 1"
/protein_id="AK072434.1"
/translation="TLYFIFGVWAGMVGTSLSLLIRAE LGNPGSLIGDDQIYNTIVTA
HAFIMIFFMVMPI M IGGFGNWLVPMLGAPDMAFPRMNMMSFWLLPPSITLLISSIV
ENGAGTGWTVYPP LSSNIAHGGSSVDLAIFSLHLAGISSILGAINFITTIINMRLNNL
SFDOMPLEVWAVGITAF L L L L SLPVLGAI TMLLTDRLNLTSEFFDPAGGGDPILYQHL
/organism="Chlamydomonadaceae sp."
/mol_type="genomic DNA"
/isolate="OTU299"
/db_xref="taxon:2589019"
rRNA <1..>381
rRNA component /product="small subunit ribosomal RNA"

- _____ Protein product name
- _____ Protein sequence translation
- _____ Gene symbol
- _____ Location or interval spans of a feature on the nucleotide sequence
- _____ rRNA component (e.g., small subunit)
- _____ Other (please tell us more)

What indicates the quality of a GenBank record to you?

- ☐ I trust every GenBank record is high quality
- ☐ "RefSeq" or "UNVERIFIED" in the KEYWORDS field

LOCUS NM_001290023 2700 bp mRNA linear PRI 17-MAR-2024
DEFINITION Homo sapiens interleukin 12 receptor subunit beta 1 (IL12RB1),
transcript variant 3, mRNA.
ACCESSION NM_001290023 XM_005259893
VERSION NM_001290023.2
KEYWORDS RefSeq.
SOURCE Homo sapiens (human)

LOCUS PP471870 2616 bp mRNA linear PLN 17-MAR-2024
DEFINITION UNVERIFIED: Aspergillus flavipes mRNA sequence.
ACCESSION PP471870
VERSION PP471870.1
KEYWORDS UNVERIFIED.
SOURCE Aspergillus flavipes

- ☐ Quality is not clear to me, but I would like to know more about how to judge the quality of a record
- ☐ Other (please tell us more)
-

What does "RefSeq" in the KEYWORDS field mean to you about the quality of a record?

- ☐ Very Good
- ☐ Good
- ☐ Acceptable
- ☐ Poor
- ☐ Very Poor
-

What does "UNVERIFIED" in the KEYWORDS field mean to you about the quality of a record?

- ☐ Very Good
 - ☐ Good
 - ☐ Acceptable
 - ☐ Poor
 - ☐ Very Poor
-

Have you encountered any GenBank records with errors?

- ☐ Yes
 - ☐ No
-

What type of error did you encounter? (select all that apply)

- ☐ Sequence error
 - ☐ Sequence annotation error
 - ☐ Biological sample metadata error
 - ☐ Other (please tell us more)
-

How severely was your work impacted by the error?

- ☐ Minorly impacted
 - ☐ Moderately impacted
 - ☐ Majorly impacted
 - ☐ Severely impacted
-

Please enter your contact information if you would be willing to share additional feedback about GenBank with us.

Name

Email

End of Block: Default Question Block
