

SciFinder[®] 使用技巧 | 在 Biosequences 中检索时选择包含来自 NCBI 的序列

在选择 Biosequences 进行检索时，可勾选 Include NCBI Sequences, 以获取来自 NCBI 的序列。

The screenshot shows the SciFinder Biosequences search page. On the left is a sidebar with search categories: All, Substances, Reactions, References, Suppliers, Biosequences (selected), and Retrosynthesis. The main area is titled 'Biosequences' and contains a search bar with a placeholder 'Enter a protein or nucleotide string, or upload a .txt or .fasta file. [Learn more about Biosequence Search.](#)'. Below the search bar are tabs for 'BLAST', 'CDR', and 'Motif', along with 'Upload Sequence' and 'Clear Search' buttons. A sample protein sequence is displayed. On the right, the 'Sequence Type' is set to 'Protein'. The 'Search Within' section has 'Include NCBI Sequences' checked, highlighted with a red box and the number 1. The 'Limit Total Sequence Results to:' is set to 1000. A 'Start Biosequence Search' button is at the bottom right.

1. 输入序列信息后，勾选 Include NCBI Sequences。

The screenshot shows the SciFinder search results page. The left sidebar contains filters for 'Word Size: 3', 'Bioscape Analysis', and 'Filter by' (E-Value, Query Coverage %, Subject Coverage %). The main area displays a sequence alignment with a 'Subject' tab selected, highlighted with a red box and the number 2. The sequence is shown with a progress bar indicating 407 matches and 0 mismatches. Below the sequence, the 'CAS Registry Number: 935175-75-0' and 'NCBI Identifier: [CCC63477.1](#)' are displayed. The 'NCBI Identifier' link is highlighted with a red box and the number 3. Other NCBI identifiers are listed as hyperlinks. The sequence itself is shown in a monospaced font with line numbers on the left.

2. 在结果集页面，点击 Subject，查看目标序列。如果该序列同时被 NCBI 收录，则将展示其 NCBI Identifier。
3. 点击 NCBI Identifier 超链接，则可直接打开 NCBI 中该序列信息页。

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(IHSA\)](#) | [Esoalho](#)

4

GenPept

Send to:

Change region shown

possible resuscitation-promoting factor rpfA [Mycobacterium tuberculosis variant bovis BCG str. Moreau RDJ]

GenBank: CC63477.1

[Identical Proteins](#) | [FASTA](#) | [Graphics](#)

LOCUS CC63477 407 aa linear BCT 03-NOV-2016

DEFINITION possible resuscitation-promoting factor rpfA [Mycobacterium tuberculosis variant bovis BCG str. Moreau RDJ].

ACCESSION CC63477

VERSION CC63477.1

DBLINK BioProject: [CP1414238](#)
BioSample: [SAMN44532321](#)
embl accession: [AM12059.2](#)

DBSOURCE .

KEYWORDS

SOURCE Mycobacterium tuberculosis variant bovis BCG str. Moreau RDJ

ORGANISM [Mycobacterium tuberculosis variant bovis BCG str. Moreau RDJ](#)
Bacteria; Actinobacteria; Corynebacteriales; Mycobacteriaceae;
Mycobacterium; Mycobacterium tuberculosis complex.

REFERENCE 1

AUTHORS Gomes, L.H., Otto, T.D., Vasconcellos, E.A., Ferraz, P.M., Maia, E.M., Moreira, A.S., Ferreira, M.A., Castello-Branco, L.R., Degraze, T.M. and Mendonca-Lima, L.

TITLE Genome sequence of Mycobacterium bovis BCG Moreau, the Brazilian vaccine strain against tuberculosis

JOURNAL J. Bacteriol. 193 (19), 5600-5601 (2011)

PUBMED [21314399](#)

REFERENCE 2 (residues 1 to 407)

AUTHORS Mendonca-Lima, L.

TITLE Direct Submission

JOURNAL Submitted (22-NOV-2006) Mendonca-Lima L., Biochemistry and Molecular Biology, Instituto Oswaldo Cruz - Fiocruz, Av. Brasil, 4365, 21040-900 Rio de Janeiro - RJ, BRAZIL

FEATURES

Location/Qualifiers

source 1..407
/organism="Mycobacterium tuberculosis variant bovis BCG str. Moreau RDJ"
/strain="Moreau RDJ"
/isolate="SL121 FAP RJ Passage 5852 vaccine culture"
/db_xref="taxon:313998"

Protein 1..407
/product="possible resuscitation-promoting factor rpfA"

Region 41..114
/region_name="Transglycosylase"
/note="Transglycosylase-like domain: pfam06731"
/db_xref="CCD:392604"

CDS 1..407
/gene="rpfA"
/locus_tag="BCGM_0894c"
/coded_by="complement (AM12059.2:906399..907022)"
/note="In Mycobacterium bovis, a 240 bp deletion leads to a shorter product compared to its homolog in Mycobacterium tuberculosis strain H37Rv and Mycobacterium bovis BCG strains Pasteur and Moreau (327 aa versus 407 aa). Differs from Bv0667c by 1aa B233D"
/transl_table=1
/db_xref="EnsemblGenomes-Os:BCGM_0894c"
/db_xref="EnsemblGenomes-Tr:CC63477"

ORIGIN 1 agphvhrct amrvallaf tpe'lseni amssactat dekdvdvrc stamvrint
61 gntv'lepf totvvaahg sefapssalia sreqdvsge rvlactgrpa vrvvgvrlin
121 atpvrplpa amadap]den avnpesapia pppadpsppv elaanlilap lreolpaape
181 dsappadlap papadvasppv elavndilap lreolpaape dsappadlap papaelappa
241 paelappaape elapvrelav nllaplelro lraapaelap paelaenad lappesedia
301 coanelsapp apalliaaava vneetndepo pataapspve lardclilap lrpuaadapo
361 gdrteapeat puvsnlartv klvqlatrag vgrndaldel apptvrlg

Analyze this sequence

Run BLAST

Identify Conserved Domains

Highlight Sequence Features

Find in this Sequence

Related information

BioProject

Nucleotide

PubMed

Taxonomy

CDD Search Results

Conserved Domains (Concise)

Conserved Domains (Full)

Related Structures (List)

Related Structures (Summary)

Recent activity

Turn Off Clear

possible resuscitation-promoting factor rpfA
[Mycobacterium tuberculosis variant... Protein

AGATU4BSU5 (0)

Protein

See more...

4. NCBI 中的目标序列详情。