

BV-BRC Test Report

A23. Service – ID Mapper

Item to test	ID Mapper Service using BVBRC and RefSeq gene identifiers
URL	https://www.bv-brc.org/app/IDMapper
Prerequisites	List of BVBRC and RefSeq gene identifiers
References	https://www.bv-brc.org/docs/quick_references/services/id_mapper.html https://www.bv-brc.org/docs/tutorial/id_mapper/id_mapper.html
Tester(s)	Rebecca Wattam, Maulik Shukla
Test date	08-May-2022 (follow-up from original test)
Test result	Passed

Overview

- Test the ID Mapper Service using exemplar BVBRC and RefSeq gene identifiers.
- Test input options, i.e mapping BVBRC identifiers to external identifiers and reverse.
- For each job submitted, review and verify mapped identifiers.
- Select mapped records and test various actions available in the action bar, i.e. download results as table or fasta, view corresponding features or genomes, and create genome or feature groups.

Test Data

Dataset	Rational	Input Format	Input
Mycobacterium tuberculosis H37Rv – Refseq locus tags	Workshop example	List of IDs	MTB-H37Rv-RefSeq_locus_tags.txt
Mycobacterium tuberculosis H37Rv – Refseq locus tags	Workshop example	List of IDs	MTB-H37Rv-BRCIDs.txt

- All test datasets and corresponding job results are available in the following public workspace:
<https://www.bv-brc.org/workspace/BVBRC@patricbrc.org/BVBRC%20Tests/ID%20Mapper>

Test Results

- All jobs completed successfully, without any errors.
- All jobs resulted in expected results providing mapping between BRC IDs and corresponding RefSeq locus tags and reverse.
- The selection of matches records and corresponding actions worked as expected, i.e. download results as table or fasta, view corresponding features or genomes, and create genome or feature groups.
- All test datasets and corresponding job results are available in the following public workspace:
<https://www.bv-brc.org/workspace/BVBRC@patricbrc.org/BVBRC%20Tests/ID%20Mapper>

- Below are a series of screenshots showing ID mapper submission interface, results, and various actions.

FROM: TO:

Example: fig|1094551.3.peg.8 Example: MEC_00004

100 IDs

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fig|83332.12.peg.78
fig|83332.12.peg.79
fig|83332.12.peg.80
fig|83332.12.peg.81
fig|83332.12.peg.82
fig|83332.12.peg.83
fig|83332.12.peg.84
fig|83332.12.peg.85
fig|83332.12.peg.86
fig|83332.12.peg.87
fig|83332.12.peg.88
fig|83332.12.peg.89
fig|83332.12.peg.90
fig|83332.12.peg.91
fig|83332.12.peg.92
fig|83332.12.peg.93
fig|83332.12.peg.94
fig|83332.12.peg.95
fig|83332.12.peg.96
fig|83332.12.peg.97
fig|83332.12.peg.98
fig|83332.12.peg.99
fig|83332.12.peg.100

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ADVANCED ▾

Of the 100 source IDs, 87 mapped to 87 target IDs

DOWNLOAD

<input type="checkbox"/>	Source	Target	UniprotKB Acc	BRC ID	Genome ID	Genome Name
<input type="checkbox"/>	fig 83332.12.peg.1	Rv0001		fig 83332.12.peg.1	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.2	Rv0002		fig 83332.12.peg.2	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.3	Rv0003		fig 83332.12.peg.3	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.4	Rv0004		fig 83332.12.peg.4	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.5	Rv0005		fig 83332.12.peg.5	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.6	Rv0006		fig 83332.12.peg.6	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.8	Rv0007		fig 83332.12.peg.8	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.11	Rv0008c		fig 83332.12.peg.11	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.12	Rv0009		fig 83332.12.peg.12	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.14	Rv0010c		fig 83332.12.peg.14	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.15	Rv0011c		fig 83332.12.peg.15	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.16	Rv0012		fig 83332.12.peg.16	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.17	Rv0013		fig 83332.12.peg.17	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.18	Rv0014c		fig 83332.12.peg.18	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.19	Rv0015c		fig 83332.12.peg.19	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.20	Rv0016c		fig 83332.12.peg.20	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.21	Rv0017c		fig 83332.12.peg.21	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.22	Rv0018c		fig 83332.12.peg.22	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.23	Rv0019c		fig 83332.12.peg.23	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.24	Rv0020c		fig 83332.12.peg.24	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.25	Rv0021c		fig 83332.12.peg.25	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.26	Rv0022c		fig 83332.12.peg.26	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/>	fig 83332.12.peg.27	Rv0023		fig 83332.12.peg.27	83332.12	Mycobacterium tuberculosis H37Rv

1 - 100 of 100 results < 1 >

FROM: RefSeq Locus tag

TO: BRC ID

Example: MEC_00004

Example: fig|1094551.3.peg.8

100 IDs

- Rv0079
- Rv0080
- Rv0081
- Rv0082
- Rv0083
- Rv0084
- Rv0085
- Rv0086
- Rv0087
- Rv0088
- Rv0089
- Rv0090
- Rv0091
- Rv0092
- Rv0093c
- Rv0094c
- Rv0095c
- Rv0096
- Rv0097
- Rv0098
- Rv0099
- Rv0100
- Rv0101

ADVANCED

RESET

MAP

Of the 100 source IDs, 100 mapped to 100 target IDs



Source	Target	UniprotKB Acc	BRC ID	Genome ID	Genome Name
<input type="checkbox"/> Rv0001	fig 83332.12.peg.1		fig 83332.12.peg.1	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0002	fig 83332.12.peg.2		fig 83332.12.peg.2	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0003	fig 83332.12.peg.3		fig 83332.12.peg.3	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0004	fig 83332.12.peg.4		fig 83332.12.peg.4	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0005	fig 83332.12.peg.5		fig 83332.12.peg.5	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0006	fig 83332.12.peg.6		fig 83332.12.peg.6	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0007	fig 83332.12.peg.8		fig 83332.12.peg.8	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0008c	fig 83332.12.peg.11		fig 83332.12.peg.11	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0009	fig 83332.12.peg.12		fig 83332.12.peg.12	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0010c	fig 83332.12.peg.14		fig 83332.12.peg.14	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0011c	fig 83332.12.peg.15		fig 83332.12.peg.15	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0012	fig 83332.12.peg.16		fig 83332.12.peg.16	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0013	fig 83332.12.peg.17		fig 83332.12.peg.17	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0014c	fig 83332.12.peg.18		fig 83332.12.peg.18	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0015c	fig 83332.12.peg.19		fig 83332.12.peg.19	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0016c	fig 83332.12.peg.20		fig 83332.12.peg.20	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0017c	fig 83332.12.peg.21		fig 83332.12.peg.21	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0018c	fig 83332.12.peg.22		fig 83332.12.peg.22	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0019c	fig 83332.12.peg.23		fig 83332.12.peg.23	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0020c	fig 83332.12.peg.24		fig 83332.12.peg.24	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0021c	fig 83332.12.peg.25		fig 83332.12.peg.25	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0022c	fig 83332.12.peg.26		fig 83332.12.peg.26	83332.12	Mycobacterium tuberculosis H37Rv
<input type="checkbox"/> Rv0023	fig 83332.12.peg.27		fig 83332.12.peg.27	83332.12	Mycobacterium tuberculosis H37Rv

100 of 100 results

Of the 100 source IDs, 100 mapped to 100 target IDs

Source	Target	UniprotKB Acc	BRC ID	Genome ID	Genome Name
<input checked="" type="checkbox"/> Rv0001	figl83332.12.peg.1		figl83332.12.peg.1	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0002	figl83332.12.peg.2		figl83332.12.peg.2	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0003	figl83332.12.peg.3		figl83332.12.peg.3	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0004	figl83332.12.peg.4		figl83332.12.peg.4	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0005	figl83332.12.peg.5		figl83332.12.peg.5	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0006	figl83332.12.peg.6		figl83332.12.peg.6	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0007	figl83332.12.peg.8		figl83332.12.peg.8	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0008c	figl83332.12.peg.11		figl83332.12.peg.11	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0009	figl83332.12.peg.12		figl83332.12.peg.12	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0010c	figl83332.12.peg.14		figl83332.12.peg.14	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0011c	figl83332.12.peg.15		figl83332.12.peg.15	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0012	figl83332.12.peg.16		figl83332.12.peg.16	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0013	figl83332.12.peg.17		figl83332.12.peg.17	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0014c	figl83332.12.peg.18		figl83332.12.peg.18	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0015c	figl83332.12.peg.19		figl83332.12.peg.19	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0016c	figl83332.12.peg.20		figl83332.12.peg.20	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0017c	figl83332.12.peg.21		figl83332.12.peg.21	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0018c	figl83332.12.peg.22		figl83332.12.peg.22	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0019c	figl83332.12.peg.23		figl83332.12.peg.23	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0020c	figl83332.12.peg.24		figl83332.12.peg.24	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0021c	figl83332.12.peg.25		figl83332.12.peg.25	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0022c	figl83332.12.peg.26		figl83332.12.peg.26	83332.12	Mycobacterium tuberculosis H37Rv
<input checked="" type="checkbox"/> Rv0023	figl83332.12.peg.27		figl83332.12.peg.27	83332.12	Mycobacterium tuberculosis H37Rv

1 - 100 of 100 results

References

- [ID Mapper Quick Reference Guide](#)
- [ID Mapper Tutorial](#)