

How To: Download a MicroBIGG-E table > 100,000 rows (all CARBAPENEM genes found in Pathogen Detection isolate assemblies)

NCBI Pathogen Detection

<https://www.ncbi.nlm.nih.gov/pathogens>



U.S. National Library of Medicine
National Center for Biotechnology Information

At a glance

- Use MicroBIGG-E
<https://www.ncbi.nlm.nih.gov/pathogens/microbigge>
- Use filters or search to select rows of interest, in this case subclass:CARBAPENEM
- Subdivide the search into sets with $< 100,000$ rows to download in batches
 - Use filters to get results under 100,000 rows
 - Download one file
 - Change filters to get different results under 100,000 rows
 - Download second file
 - Repeat above steps as needed to get the entire set

Pathogen Detection BETA



To assist the National Database of Antibiotic Resistant Organisms (NDARO), NCBI Pathogen Detection identifies the antimicrobial resistance, stress response, and virulence genes found in bacterial genomic sequences. This enables scientists to track the spread of resistance genes and to understand the relationships between antimicrobial resistance and virulence.

NCBI Pathogen Detection integrates bacterial pathogen genomic sequences originating in food, environmental sources, and patients. It quickly clusters and identifies related sequences to uncover potential food contamination sources, helping public health scientists investigate foodborne disease outbreaks.



There has been a change to the *Isolation type / epi_type* attribute that affects *min-same/min-diff* computation. Now where an isolate has no information to support the setting *environmental/other* the Browser will no longer default to that value but instead present as *NULL*. This means that the *min-same/min-diff* values for this isolate will present as *n/a*, and other *min-same/min-diff* values for isolates clustered with this isolate may change. Please see the [Help](#) text for more details.

Learn More

[About](#)

[FAQ](#)

[Browser Factsheet](#)

[Antimicrobial Resistance Factsheet](#)

[Antimicrobial Resistance](#)

[Contributors](#)

[Help](#)

Data Resources

[Isolates Browser](#)

[Microbial Browser for Identification of Genetic and Genomic Elements \(MicroBIGG-E\)](#)

[Reference Gene Catalog](#)

NEW [Reference HMM Catalog](#)

1. Click MicroBIGG-E

<https://www.ncbi.nlm.nih.gov/pathogens/microbigge>

2. Click Filters bar to show filters

4. Start typing CARBAPENEM to reveal the value

5. Select CARBAPENEM filter

6. Note > 100,000 results

3. Click subclass to show subclass filter

The Micro... ences may be added as cloud resources for those users in... are interested, contact us at: pd-

Filters 1

Available filters

Filter	
<input type="checkbox"/> Scientific name	
<input type="checkbox"/> Protein	
<input type="checkbox"/> BioSample	
<input type="checkbox"/> Isolate	
<input type="checkbox"/> Contig	
<input type="checkbox"/> Start	
<input type="checkbox"/> Stop	
<input type="checkbox"/> Strand	
<input type="checkbox"/> Element symbol	
<input type="checkbox"/> Element name	
<input type="checkbox"/> Type	
<input type="checkbox"/> Scope	
<input type="checkbox"/> Subtype	
<input type="checkbox"/> Class	
<input checked="" type="checkbox"/> Subclass	
<input type="checkbox"/> Method	

1 Subclass

Search CARBA

Subclass	Count
<input checked="" type="checkbox"/> CARBAPENEM	107627

Search

<https://www.ncbi.nlm.nih.gov/pathogens/microbigg>

The MicroBIGG-E table and the underlying sequences may be added as cloud resources for those users interested in the entire dataset. If you are interested, contact us at: [pd-](#)

Filters **2**

Available filters

Filter
<input type="checkbox"/> Scientific name
<input type="checkbox"/> Protein
<input type="checkbox"/> BioSample
<input type="checkbox"/> Isolate
<input type="checkbox"/> Contig
<input type="checkbox"/> Start
<input type="checkbox"/> Stop
<input checked="" type="checkbox"/> Strand
<input type="checkbox"/> Element symbol
<input type="checkbox"/> Element name
<input type="checkbox"/> Type
<input type="checkbox"/> Scope
<input type="checkbox"/> Subtype
<input type="checkbox"/> Class
<input checked="" type="checkbox"/> Subclass
<input type="checkbox"/> Method

Search

Subclass	Count
<input checked="" type="checkbox"/> CARBAPENEM	76631

Total unique values: 1

Search

Strand
<input checked="" type="checkbox"/> +
<input type="checkbox"/> -

Total unique values: 2

7. Select another filter to subset the results

<https://www.ncbi.nlm.nih.gov/pathogens/microbigge>

1 Subclass

Subclass	Count	Strand	Count
<input checked="" type="checkbox"/> CARBAPENEM	76631	<input checked="" type="checkbox"/> +	76631
		<input type="checkbox"/> -	30996

Total unique values: 1

Total unique values: 2

8. Select one or more of the options

10. Click Download button to open download options

9. Note that total selected is less than 100,000

#	Scientific name	Protein	BioSample	Isolate	Contig	Start	Stop	Strand	Elemen...	Element name	Type
1	Enterobacter horma...	HAT7664112.1	SAMN07501513	PDT000893429.1	DACUII010000118.1	8035	8916	+	blaKPC-2	carbapenem by...	AMP
2	Enterobacter horma...	HAT7667198.1	SAMN07501560	PDT000893438.1	DACUIH010000046.1	3356	4156	+	blaVIM-...		
3	Enterobacter ashuriae	HAT7511747.1	SAMFA1040323	PDT000894115.1	DACUIG010000063.1	9233	10114	+	blaKPC-2		

[Feedback](#)



Total unique values: 1



Total unique values: 2

Page 1 of 3832



Records per Page 20

Choose columns



Download

Cross-browser selection

Displaying 1 - 20 of 76631

#	Scientific name	Protein	BioSample	Isolat	Strand	Elemen...	Element name	Type
1	Enterobacter horma...	HAT7664112.1	SAMN07501513	PDT0	+	blaKPC-2	carbapenem-hy...	AMR
2	Enterobacter horma...	HAT7667198.1	SAMN07501560	PDT0	+	blaVIM-...	subclass B1 me...	AMR
3	Enterobacter asburiae	HAT7511747.1	SAMEA1040323...	PDT0	+	blaKPC-2	carbapenem-hy...	AMR
4	Enterobacter horma...		SAMN17137707	PDT0	+	blaVIM-1	subclass B1 me...	AMR
5	Enterobacter horma...		SAMN17137719	PDT0	+	blaVIM-1	subclass B1 me...	AMR
6	Vibrio cholerae	EGR5734379.1	SAMN06203887	PDT0	+	varG	VarG family sub...	AMR
7	Vibrio cholerae	EGR5460852.1	SAMN07661831	PDT0	+	varG	VarG family sub...	AMR
8	Vibrio cholerae	EGR4463501.1	SAMN08979259	PDT0	+	varG	VarG family sub...	AMR
9	Vibrio cholerae	EGR4356024.1	SAMN08979249	PDT0	+	varG	VarG family sub...	AMR
10	Vibrio cholerae	EGR4340750.1	SAMN08979156	PDT0	+	varG	VarG family sub...	AMR
11	Vibrio cholerae	EGR4307501.1	SAMN08979158	PDT0	+	varG	VarG family sub...	AMR
12	Vibrio cholerae	EGR4292149.1	SAMN08979160	PDT0	+	varG	VarG family sub...	AMR
13	Vibrio cholerae	EGR4311355.1	SAMN08979161	PDT0	+	varG	VarG family sub...	AMR
14	Vibrio cholerae	EGR4269701.1	SAMN08979173	PDT0	+	varG	VarG family sub...	AMR
15	Vibrio cholerae	EGR4237029.1	SAMN08979225	PDT000308822.2	+	varG	VarG family sub...	AMR
16	Vibrio cholerae	EGR3975383.1	SAMN08979215	PDT000308843.2	+	varG	VarG family sub...	AMR
17	Vibrio cholerae	EGR4103500.1	SAMN08979122	PDT000308869.2	+	varG	VarG family sub...	AMR
18	Vibrio cholerae	EGR4114982.1	SAMN08979123	PDT000308870.2	+	varG	VarG family sub...	AMR

Download

File type: Table

Type: Tab-delimited (.tsv)

Name: microbigge.tsv

Download Cancel

11. Click Download button to download table

Feedback

Subclass	Count	Strand	Strand	Count
<input checked="" type="checkbox"/> CARBAPENEM	30996	<input type="checkbox"/>	+	76631
		<input checked="" type="checkbox"/>	-	30996

12. Deselect the previous filter value

13. Select an alternate to get a different subset of the total rows

14. Note that total selected is less than 100,000

15. Click Download to open download options

#	Scientific name	Protein	BioSample	Isolate	Contig	Start	Stop	Strand	Element name	Type
1	Enterobacter horma...		SAMN17137964	PDT000933019.1	JAEPHX010000039.1	3824	4621	-	blaVIM-4	
2	Enterobacter horma...	EHD3703784.1	SAMN17764776	PDT000947925.1	AAZDOU010000015.1	2789	3601	-	blaNDM...	



Total unique values: 1



Total unique values: 2



Page 1 of 3832



Records per Page 20



Choose columns



Download

Cross-browser selection

Displaying 1 - 20 of 76631

#	Scientific name	Protein	BioSample	Isolat	Strand	Elemen...	Element name	Type
1	Enterobacter horma...	HAT7664112.1	SAMN07501513	PDT0	+	blaKPC-2	carbapenem-hy...	AMR
2	Enterobacter horma...	HAT7667198.1	SAMN07501560	PDT0	+	blaVIM-...	subclass B1 me...	AMR
3	Enterobacter asburiae	HAT7511747.1	SAMEA1040323...	PDT0	+	blaKPC-2	carbapenem-hy...	AMR
4	Enterobacter horma...		SAMN17137707	PDT0	+	blaVIM-1	subclass B1 me...	AMR
5	Enterobacter horma...		SAMN17137719	PDT0	+	blaVIM-1	subclass B1 me...	AMR
6	Vibrio cholerae	EGR5734379.1	SAMN06203887	PDT0	+	varG	VarG family sub...	AMR
7	Vibrio cholerae	EGR5460852.1	SAMN07661831	PDT0	+	varG	VarG family sub...	AMR
8	Vibrio cholerae	EGR4463501.1	SAMN08979259	PDT0	+	varG	VarG family sub...	AMR
9	Vibrio cholerae	EGR4356024.1	SAMN08979249	PDT0	+	varG	VarG family sub...	AMR
10	Vibrio cholerae	EGR4340750.1	SAMN08979156	PDT0	+	varG	VarG family sub...	AMR
11	Vibrio cholerae	EGR4307501.1	SAMN08979158	PDT0	+	varG	VarG family sub...	AMR
12	Vibrio cholerae	EGR4292149.1	SAMN08979160	PDT0	+	varG	VarG family sub...	AMR
13	Vibrio cholerae	EGR4311355.1	SAMN08979161	PDT0	+	varG	VarG family sub...	AMR
14	Vibrio cholerae	EGR4269701.1	SAMN08979173	PDT0	+	varG	VarG family sub...	AMR
15	Vibrio cholerae	EGR4237029.1	SAMN08979225	PDT000308822.2	+	varG	VarG family sub...	AMR
16	Vibrio cholerae	EGR3975383.1	SAMN08979215	PDT000308843.2	+	varG	VarG family sub...	AMR
17	Vibrio cholerae	EGR4103500.1	SAMN08979122	PDT000308869.2	+	varG	VarG family sub...	AMR
18	Vibrio cholerae	EGR4114982.1	SAMN08979123	PDT000308870.2	+	varG	VarG family sub...	AMR

Download



File type:

Table

Type:

Tab-delimited (.tsv)

Name:

microbigge.tsv

16. Click Download button to download table

Download

Cancel

More information

- For full help documentation of the Reference Gene Catalog see:
https://www.ncbi.nlm.nih.gov/pathogens/pathogens_help/#microbigge
- For details about filters see:
https://www.ncbi.nlm.nih.gov/pathogens/pathogens_help/#microbigge-filters
- For details about the table downloads see:
https://www.ncbi.nlm.nih.gov/pathogens/pathogens_help/#microbigge-access-download

Questions and further help: email pd-help@ncbi.nlm.nih.gov