

How To: Watch an isolate not in a cluster

NCBI Pathogen Detection

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



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At a glance

- You need to be logged into NCBI to save searches
- Use the isolates browser
<https://www.ncbi.nlm.nih.gov/pathogens/isolates/>
- Search for your isolate “AND erd_group:*” so that the system will send an email if any other isolate appears in the same SNP cluster as this one

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](#)

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

 An official website of the United States government [Here's how you know](#) ✓



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Log in

[Health](#) > [Pathogen Detection](#) > [Isolates Browser](#)

[Help](#)

2. Log into your account if you're not already logged in

https://www.ncbi.nlm.nih.gov/pathogens/isolates

3. Search for your isolate
"AND erd_group:*"
Note "AND" must be in all
capitals

4. Click Save to save
this search

Health > Pathogen Detecto

Search
SAMN36520763 AND erd_group:*

Share Save Saved Searches

Filters

Matched Isolates

Page 0 of 0 Records per Page 20 Choose columns Download Hide plus AMR genotypes Expand all Cross-browser selection

#	Organism group	Virulence gen...	Strain	Isolate identifiers	Serovar	Isolate	Create date	Locat...	Isolation source	Isolation ...	Food origin	SNP cluster
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No matching results

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

Filters

Share Save Saved Searches Watched Isolates

Save Search

Name: SAMN36520763 / LmAV-3

Search: SAMN36520763 AND erd_group:*

Save Cancel

No matching results

5. Give your search a name

6. Click Save to save your search and have the system email you when there are new results.

More information

- For full help documentation of the Isolates Browser:

https://www.ncbi.nlm.nih.gov/pathogens/pathogens_help/#isolates-browser

- For details about saved searches see:

https://www.ncbi.nlm.nih.gov/pathogens/pathogens_help/#automated-searches-save

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