

Uploading Sequences to GISAID

Clyde Dapat



WHO Collaborating Centre
for Reference and
Research on Influenza
VIDRL



A joint venture between The University of Melbourne and The Royal Melbourne Hospital

Objective

- To learn how to upload sequences to GISAID

Platform Login

Username

Password

[*Forgot your password or username?*](#)

Federal Ministry
of Food
and Agriculture



GISAID

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Upload

AudacityInstant BLAST Emerging Variants EpiCharts PrimerChecker FluSurver

Search & Browse Submission Tracker HA Mutation Surveillance Subtype / Clade Frequency

Vaccine Reference Sequences Phylodynamics Global (H3N2) Phylodynamics Global (H1N1) Phylodynamics Global (B Vic) Phylodynamics Global (H5)



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Isolate detail

Isolate ID

Isolate name*

Example: A/Wisconsin/2145/2001 or A/chicken/Rostov/864/2007

Passage details/history

Example: c1/c2

Type* A Subtype H -- select -- Subtype N -- select -- Lineage

Sample information

Collection Date*

Location*

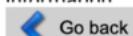
- Africa
- Antarctica
- Asia
- Europe
- North America

Additional location information

Host*

- Animal
- Environment
- Human
- Laboratory derived
- Unknown

Additional host information





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Settings

Analysis

Isolate detail

Isolate ID

Isolate name*

A/South Australia/32/2023

Example: A/Wisconsin/2145/2001 or A/chicken/Rostov/864/2007

Passage details/history

SIAT1

Example: c1/c2

Type* A Subtype H 1 Subtype N 1 Lineage pdm09

Sample information

Collection Date* 2023-02-08

Location*

Antarctica

Asia

Europe

North America

Oceania

American Samoa

Australia

Cook Islands

Fiji

French Polynesia

Australian Capital Territory

Cocos (Keeling) Islands

New South Wales

Northern Territory

Queensland

Additional location information

Host*

Animal
Environment
Human
Laboratory derived
Unknown

Additional host information





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Additional host information

Patient age Year(s) Month(s) Gender Male Female

Zip code

Patient status

Last vaccinated

Outbreak

Treatment

- unknown
- no treatment
- Treatment by Adamantanes
- Prophylaxis with Adamantanes
- Treatment by Oseltamivir

Specimen source

In-vivo pathogenicity test

Institute information

Select Originating lab provider of clinical specimen(s) and/or virus isolate(s)

- Africa
- Antarctica
- Asia
- Europe
- North America

Originating lab*



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Select Originating lab provider of clinical specimen(s) and/or virus isolate(s)

Antarctica	American Samoa	New South Wales
Asia	Australia	Queensland
Europe	Fiji	South Australia
North America	French Polynesia	Tasmania
Oceania	Guam	Victoria

Originating lab*

[add new institute](#)

Address

Institute of Medical and Veterinary Science (IMVS)
Frome Rd
Adelaide, South Australia 5000
Australia

Sample ID given by the originating lab

Submitting lab*

generator of sequence data

Address

WHO Collaborating Centre for Reference and Research on Influenza
792 Elizabeth St
Melbourne, 3004
Australia

Sample ID given by the submitting laboratory

Authors

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Oseltamivir

 Resistant Sensitive Unknown Inconclusive

Peramivir

 Resistant Sensitive Unknown Inconclusive

Zanamivir

 Resistant Sensitive Unknown Inconclusive

Other

 Resistant Sensitive Unknown Inconclusive**Additional information**

Antigenic characterization

Note

Submitter information

Submitter:

 Dapat, Clyde

Address:

 WHO Collaborating Centre for Reference and Research on Influenza
792 Elizabeth St
Melbourne, 3004
Australia

Submission Date:

 2023-06-15

Last modifier:

 Dapat, Clyde

Last modified:

 2023-06-15

<input type="checkbox"/>	edit	released	segment	identifier	length	accession	INSDC	Delete segment	Release
No data found.									

 [Go back](#) [Help](#) [Cancel](#) [Copy to...](#) [Add new segment](#) [Save](#)



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Analysis

Editing sequence ...

Sequence identifier:*

A/South Australia/32/2023

Segment*

HA

Sequence:*

```
>A/South Australia/32/2023
ATGAAGGCAATACTAGTAGTTATGCTGTATACATTACAACCGCAAATGCAGACACATTATGTATAGGTTATCATGGCAA
CAATTCAAACAGACACTGGGACACAGTACTAGAAAAGAATGTAACAGTAACACACTCTGTCAATCTCTAGAAAGACAAGC
ATAACGGAAAACATGCAAACTAAGAGGAGTAGCCCATTGCAATTGGCTCATGTAACATTGCTGGATGGATCTGGGA
AATCCAGAGTGTGAATCACTCTCCACAAACAAGATCATGGTCCTACATTGTTGAAACATCCAATTCAAGACAATGGAACGTG
TTCCCAGGAGATTTCATCAATTATGAAGAGCTAACAGGCAATTGAGCTCAGTGTCACTATTGAAAGGTTTGAAATAT
TCCCAAGAACAGACTTGTGATGGGCAATTGATGCTGATTAAGGAAATCATAACCCAAGAGTCAACAAACCTACATTGATAAGG
TTCTACAAAAAAACTTGATGATGGCTGATTAAGGAAATCATAACCCAAGAGTCAACAAACCTACATTGATAAGG
GAAAGAAGTCTCGTGTGGGGATTACCCATCCACCTACTATTACTGACCAAGAAATTCTCTATCAGAATGCAAGATG
CATATGTTTTGTGGGGACGTCAGATCACAGCAAGAAGTCAACCGGAAATAGCAGCAAGGCCAAAGTGAGGGATCAA
GCAGGGAGAATGAACTATTACTGGACACTAGTAGAACCGGGAGACAAATAACATTGAAAGCAACTGGTAATCTAGTGGC
ACCGAGATATGCAATTCAAATGGAAAAGATGCTGGATCTGGTATTATCATTGAGATACACCACTGGTCAATGCAATA
CAACTTGTCAAGACACCCGGGGGTCTATAAACACCAGCCTCCATTCAAATGTGCACTCCGATCACGATTGGGAATGT
CCAAAGTATGTAAGAAGGACAAAATTGAGACTGGCCACAGGATTGAGGAATGTCCGCTTATTCAATCTAGAGGCCATT
CGGGGCCATTGCTGGCTTCATCGAAGGGGGGGTGGACAGGGATGGTAGATGGTACGGTTACCCATCAAATGAGC
AGGGGTCAAGGATATGCAAGGCCACTGAAGAGCACACAAATGCCATTGATAAGATTACCAACAAAGTAATTCTGTTATT
GAAAAGATGAATACACAGTTCAACAGCAGTTGGTAAGAGTTCAACCACCTTGAAAAAAGAATAGAGAACTCTAAATAAAAA
GGTTGATGATGGTTCTGGACATTGGACTTACAATGCCGAACTGTTGTTCTACTGAAAACGAAAGAACTTTGGACT
ATCACGATTCAAATGTAAGAAGAATTGATGAAAGAACCAGTTAAAACAAATGCCAAGGAAATTGGAAACGGC
```

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Editing sequence ...

Sequence identifier:*

A/South Australia/32/2023

Segment*

HA

Sequence:*

```
>A/South Australia/32/2023
ATGAAGGCAATACTAGTAGTTATGCTGTATACATTACAACCGCAAATGCAGACACATTATGTATAGGTTATCATGGCAA
CAATTCAAACGACACTGGACACAGTACTAGAAAAAGAATGTAACAGTAACACACTCTGTCAATCTCTAGAAAGACAAGC
ATAACGGAAAACATGCAACTAACAGGGAGTAGTTGCTGGAGATGAGAGCTTACATCCACAAACAAGA
AATCCAGAGTGTGAATCACTCTCCACAAACAAGA
TTACCCAGGAGATTTCATCAATTATGAAGAGCTTACATCCACAAACAAGA
TCCACAGACAAGTGTGAATCACTCTCCACAAACAAGA
TTCTACAAAAAAACTTGATATGGCTGATTAAGAAAGA
GAAAGAAGTCTCGTGTGGGGCATTCACCA
CATATGTTTTGTGGGGACGTCAGATAACAGCAAGAGGTTCAACCCGGAAATAGCAAGGAGATGAGGATCAA
GCAGGGAGAATGAACTATTACTGGACACTAGTAGAACCGGGAGACAAATAACATTGCAAGGAGATGAGGATCAA
ACCGAGATATGCAATTCAAATGAAAAAGATGCTGGATCTGGTATTATCATTTAGATAACCCGCTCCATTCAAAATGTGCACTGGTATT
CAACTTGTCAGACACCCGGAGGGTGTATAAACACCAGCCTCCATTCAAAATGTGCACTGGTATT
CCAAAGTATGTAAGAAGGACAAAATTGAGACTGGCCACAGGATTGAGGAATGTCCCCTATTCAATCTAGAGGCCATT
CGGGGCCATTGCTGGCTTCATCGAAGGGGGGTGGACAGGGATGGTAGATGGATGGTAGCTACGGTTATCACCACCAAATGAGC
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GAAAAGATGAATACACAGTTCAACAGCAGTTGGTAAGAGTTCAACCACCTTGAAAAAAGAATAGAGAACTCTAAATAAAAAA
GGTTGATGATGGTTCTGGACATTGGACTTACAATGCCGAACTGTTGGTTCTACTGGAAAACGAAAGAACCTTGGACT
ATCACGATTCAAATGTGAAGAACATTGATGAAAGAACCAGTTAAAACAAATGCCAAGGAAATTGGAAACGGC
```

Message

Segment successfully saved.

OK



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- Peramivir Resistant Sensitive Unknown Inconclusive
Zanamivir Resistant Sensitive Unknown Inconclusive
Other Resistant Sensitive Unknown Inconclusive

Additional information

Antigenic characterization

Note

Submitter informationSubmitter: **Dapat, Clyde**Address: WHO Collaborating Centre for Reference and Research on Influenza
792 Elizabeth St
Melbourne, 3004
AustraliaSubmission Date: **2023-06-15**Last modifier: **Dapat, Clyde**Last modified: **2023-06-15**

<input type="checkbox"/>	edit	released	segment	identifier	length	accession	INSDC
<input type="checkbox"/>		no	HA	A/South Australia/32/2023	1701	EPI2591488	

[Delete segments](#) [Release](#) [Go back](#) [Help](#) [Cancel](#) [Copy to...](#) [Add new segment](#) [Save](#)

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Predefined search

Search in

 Released files My released files My unreleased files Worksets

Search patterns

Type	H	N	Lineage	Host	Location	Clades
A				-all-	-all-	0
B				Human	Africa	1
C				Animal	Antarctica	1.1
				Avian	Asia	1.1.1
				Chicken	Europe	1.1.2
				Curlew	North America	2.1.1
				Duck	Oceania	2.1.2
				Eagle	South America	2.1.3
				Falcon		2.1.3.1
				Goose		2.1.3.2

Additional filtersCollection date
(YYYY-MM-DD)From To Submission date
(YYYY-MM-DD)From To

Originating Laboratory

[Afghanistan, Kabul] National Public Health Laboratory
[Albania, Tirana] Institute of Public Health
[Algeria, Algiers] Institut Pasteur d'Algérie
[American Samoa, Fagaaloa] LBJ Tropical Medicine Centre

[Help](#) Total: 1 viruses (1 sequences)[Reset](#) [Search](#)

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<input type="checkbox"/>	edit	Name	Subtype	PB2	PB1	PA	HA	NP	NA	MP	NS	HE	P3	Collection date
<input checked="" type="checkbox"/>		A/South Australia/32/2023	H1N1	--	--	--	1,701	--	--	--	--	--	--	2023-02-08

Total: 1 isolates

<< < **1** > >>Search in results [Go back](#) [Help](#)[Copy to...](#) [Add to analysis](#) [Release](#) [Delete](#) [Download](#)

Batch upload

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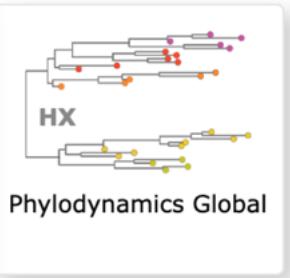
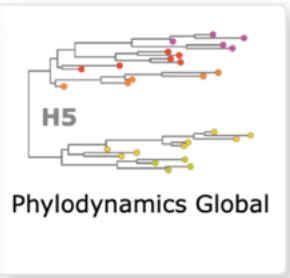
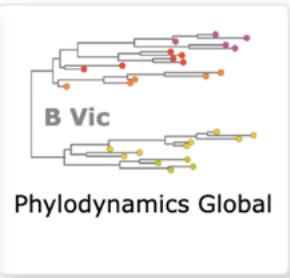
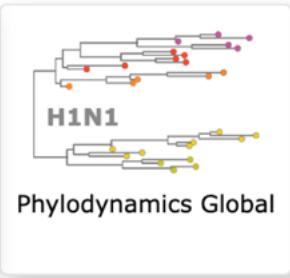
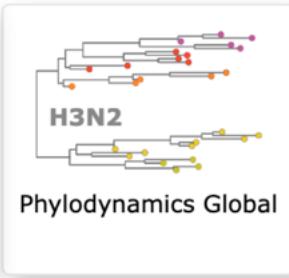
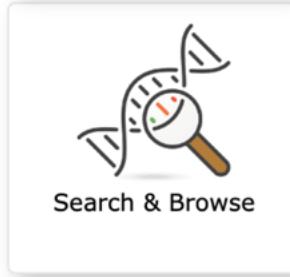
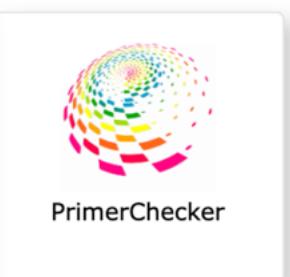
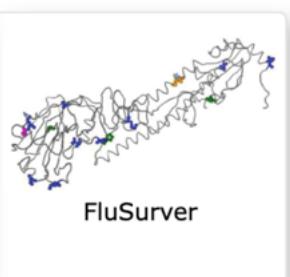
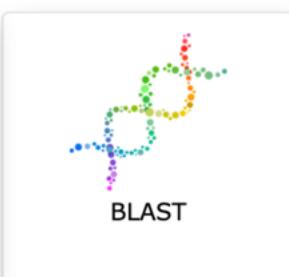
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Getting Started

Before using the Batch Uploader, it is necessary to complete a [single data upload!](#)

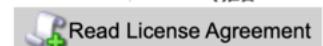
Upload and edit multiple sets of virus data with these features:

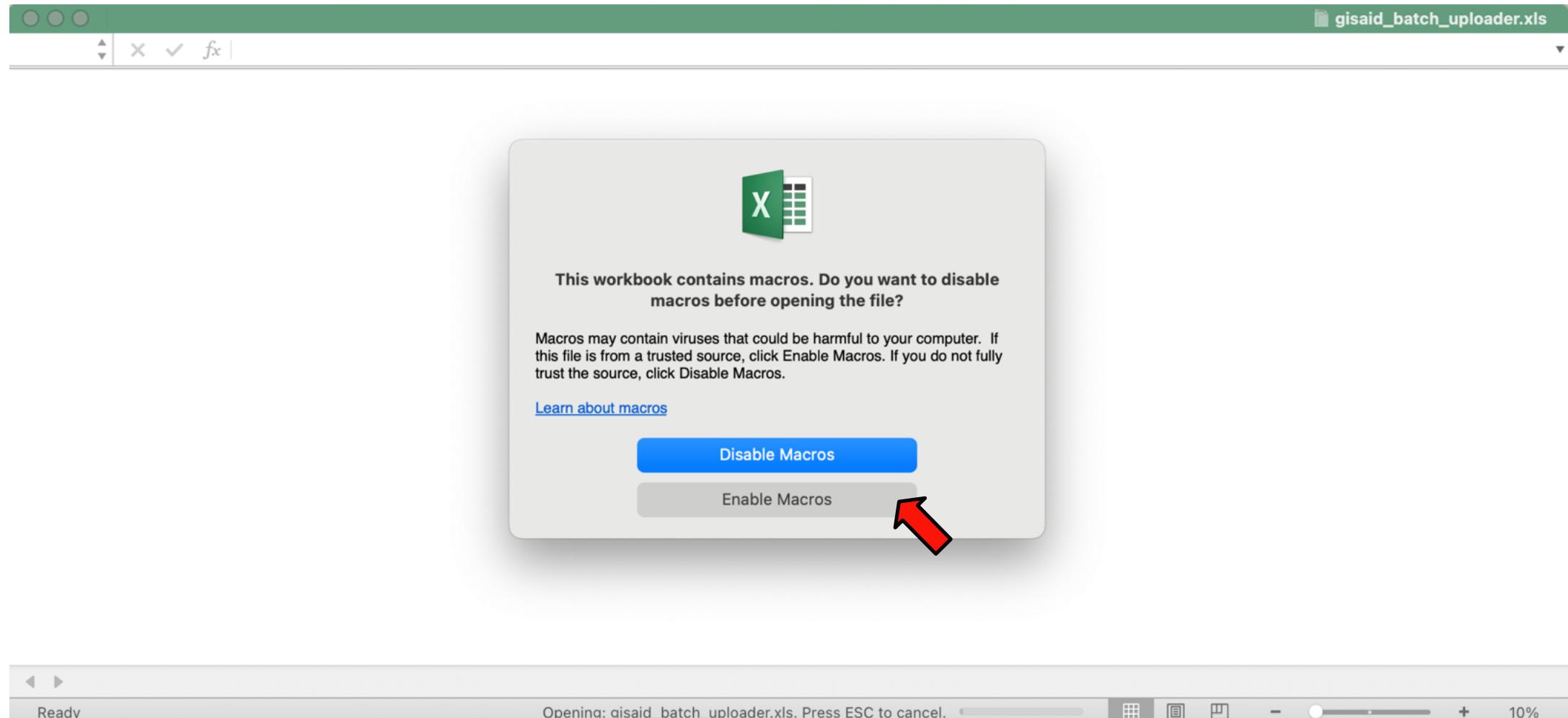
- Customizer Batch Uploader using Microsoft® Excel (2007 or newer) for PC to edit and upload
- Upload of multiple virus sequences at once
- Automatic error checking
- Batch Uploader can be reused to update datasets

1. Download the GISAID Batch Uploader

Verify the compatibility of your Microsoft® Excel program first

Microsoft® Excel version	Compatibility	
	32-bit	64-bit
Excel 2016 and Excel 365 (Windows only)	YES	YES
Excel 2013	YES	YES
Excel 2011	YES	YES
Excel 2010	YES	YES
Excel 2007	YES	YES





gisaid_batch_uploader.xls [Compatibility Mode] Search Sheet

Home Insert Page Layout Formulas Data Review View

Paste **A** Arial 10 A A Wrap Text General Insert
B I U Merge & Center Conditional Formatting Cell Styles
Format as Table Cell Styles
Format
Sort & Filter

Office Update To keep up-to-date with security updates, fixes, and improvements, choose Check for Updates. Check for Updates

A1 Isolate_Id Segment_Id Isolate_Na Subtype Lineage Passage_Id Location province sub_provir Location_A Host Host_Addtl Seq_Id (HA Seq_Id (NA Seq_Id (PE Seq_Id (PE Seq_Id (PA Seq_Id (MF Seq_Id (NS Seq_Id (NP Seq_Id (HE Seq_Id (P3 S

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Isolates Sequences Laboratories +

Ready 100%

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Paste **Arial** 10 A= Wrap Text General Conditional Formatting Insert **B** **I** **U** Merge & Center Format as Table Cell Styles Delete **A** **Z** Sort & Filter **Format**

Office Update To keep up-to-date with security updates, fixes, and improvements, choose Check for Updates. Check for Updates

L7

Isolate_Id	Segment_1	Isolate_Name	Subtype	Lineage	Passage_F	Location	Province	Sub_Province	Location_H	Host	Host_Address	Seq_Id (HA)	Seq_Id (NA)	Seq_Id (HA NA)
		A/South Australia/32/2023	H1N1	pdm09	SIAT1	Australia				human				
1														
2														
3														
4														
5														
6														
7														
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16														
17														
18														

Isolates Sequences Laboratories +

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B I U Merge & Center Format as Table Delete Cell Styles

C

Office Update To keep up-to-date with security updates, fixes, and improvements, choose Check for Updates. Check for Updates

M18 L M N O P Q R S T U V W X Y

	Host_Address (HA)	Seq_Id (NA Seq_Id (PE Seq_Id (PE Seq_Id (PA Seq_Id (MI Seq_Id (NE Seq_Id (NF Seq_Id (HE Seq_Id (P3 Submitting Authors	Originating Origin
1	A/South_Australia/32/2023_HA		
2			
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12			
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17			
18			

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Paste Arial 10 A A Wrap Text General Conditional Formatting Insert

B I U Merge & Center Format as Table Cell Styles Delete

Format Format Filter

Office Update To keep up-to-date with security updates, fixes, and improvements, choose Check for Updates. Check for Updates

AM17 Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM

	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	Isolates	Originating_Lab_Id	Originating_Collection	Collection	Collection_Date	Antigen_C	Adamanta	Oseeltamiv	Zanamivir	Peramivir	Other_Res	Adamanta	Oseeltamiv	Zanamivir	Peramivir
2		37			2023-02-08										
3															
4															
5															
6															
7															
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18															

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Paste Arial 10 Wrap Text General \$ % Conditional Formatting

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A1 A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

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Ready 100%

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Paste **B** *I* U **A** Wrap Text General Conditional Formatting Insert **Σ**
Merge & Center **\$** **%** **.00** **.00** **.00** Delete Format as Table Cell Styles **A** **Z** Sort & Filter **Format**

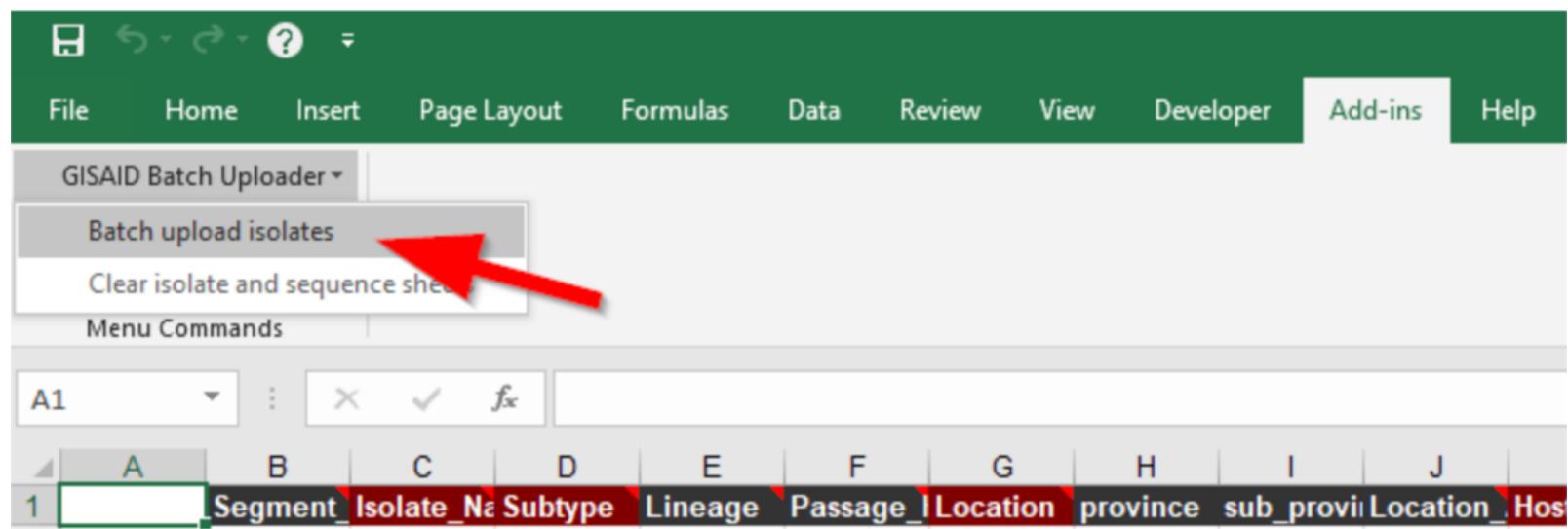
Office Update To keep up-to-date with security updates, fixes, and improvements, choose Check for Updates. Check for Updates

A2 A

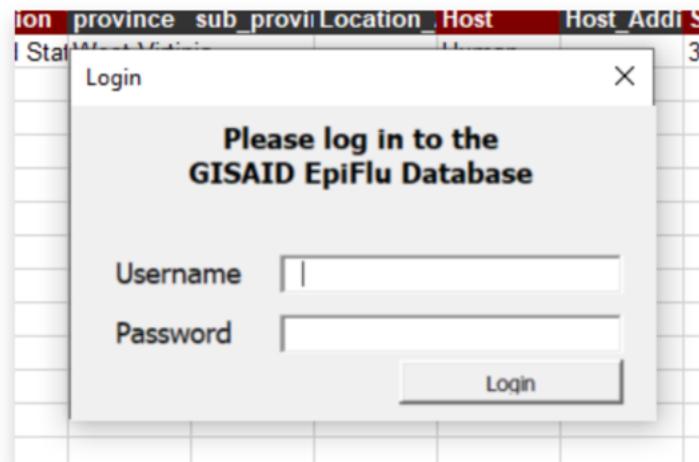
```
>A/South_Australia/32/2023_HA
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TGATAGGTTATCATGCGAACAACTTACAAGACACTGTGGACACAGTACTAGAAAAGAATGTAACAGTAACACACTCTGT
CAATCTCTAGAACAGACAAGCATAACGGAAAACATGCAAACAACTAAGAGGAGTAGGCCCTATTGCAATTGGGTCATGTAACA
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AATTCAAGACAATGGAACGTGTTACCCAGGAGATTCATCAATTATGAAGAGCTAACAGAGAGCAATTGAGCTAGTGTATC
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TCTCTATCAGAAATGAGATCATGTTTGTCGGGACGCTAACAGAACAGTTAACCGGAAATAGCAGCAA
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GCAACTGGTAATCTAGTGCACCGAGATATGCATTACAATGGAAAAGATGCTGGATCTGGTATTATCATTCAGATAC
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ATTCAATCTAGAGGCCATTGGGCCATTGCTGGCTCATCGAACGGGGGGTGACAGGGATGGTAGATGGATGGTACGG
TTATCACCATCAAATGAGCAGGGGTAGGATATGCAGCCGACCTGAAGAGCACACAAAATGCCATTGATAAGATTACCA
ACAAAGTAATTCGTTATTGAAAAGATGAATACACAGTTCACAGCAGTTGTTAAAGAGTTCAACCACCTTGGAAAAGA
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1 Isolates Sequences Laboratories +

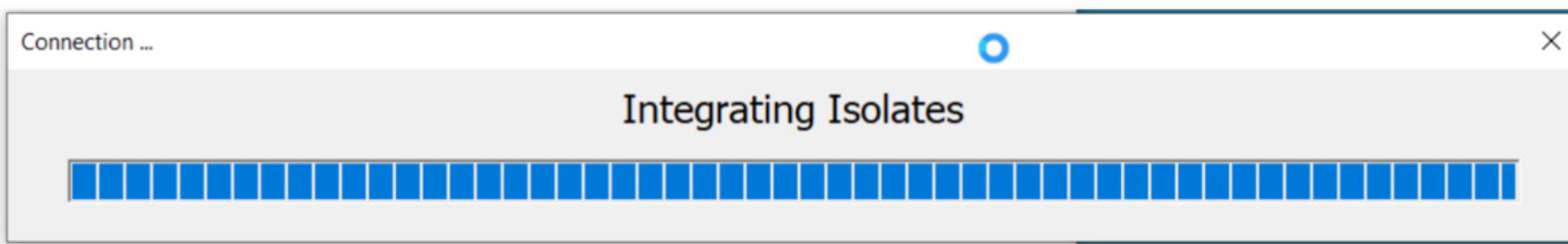
Ready 100%



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Thank you !

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