

Annex C13

Directions for finding and using the MeaNS distinct sequence ID

Notes:

- A) These instructions were created with MeaNS version 1. The process should be very similar in MeaNS 2. This document will be updated once MeaNS 2 becomes available.
 - B) During the migration (transfer of data) from MeaNS to MeaNS 2, some distinct sequence IDs were changed. The distinct sequence IDs in this document should be considered as examples only, since some of them may no longer be accurate.
1. Log into MeaNS
 2. Click the tab Analysis
 3. Click Sequence Exact Match
 4. Paste the FASTA (text) file into the box for Nucleotide Sequence and click Search button (Figure 1). There can be no spaces or non-conventional letters in the sequence.
 5. Once the list of matches appears, the Distinct Seq ID is listed in column 6 (Figure 2). This number should be the same for all entries in the table.

-This is NOT the same as the MeaNS Case ID, MeaNS sample ID, or MeaNS Sequence ID.

Figure 1: Finding exact matches



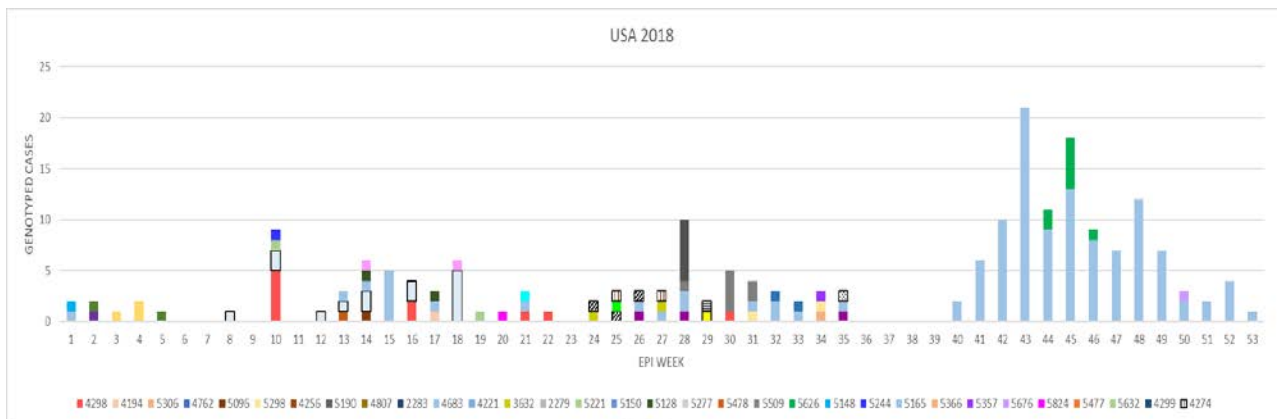
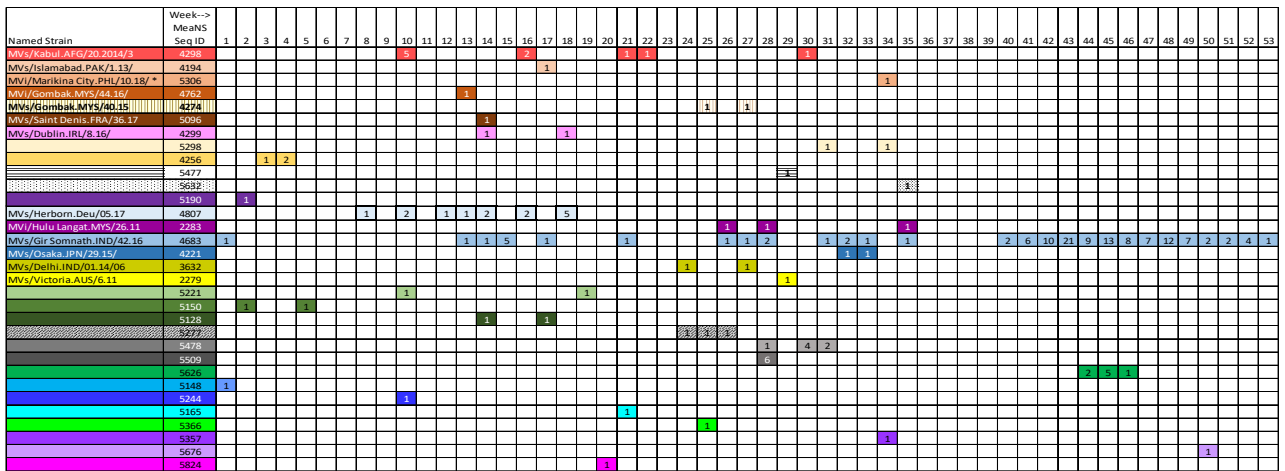
Figure 2: Locating the Distinct Sequence ID



Strain Name	Case ID	Sample ID	Seq. ID	INSDC (GenBank)	Distinct Seq. ID	Genotype	Country	Region	Onset	Collected	Lab Received
MVs/Gir_Somnath_IND/42.16	98699	98699	101814	KY120864	153	D8	India		21 Oct 2016	-	07 Nov 2016
MVs/Berlin_DEU/11.17	128271	128271	131439		153	D8	Germany		13 Mar 2017	-	27 Apr 2018
MVs/Berlin_DEU/15.17	128272	128272	131440		153	D8	Germany		12 Apr 2017	-	27 Apr 2018
MVs/Pesah_Titva_ISR/18.17	128611	128611	131779	MH308366	153	D8	Israel		01 May 2017	-	04 May 2018
MVs/Akola_IND/47.17	119351	119351	122907	MG647031	153	D8	India		20 Nov 2017	-	03 Dec 2017
MVs/Akola_IND/47.17/3	119353	119353	122909	MG647033	153	D8	India		21 Nov 2017	-	03 Dec 2017
MVs/Akola_IND/47.17/2	119352	119352	122908	MG647032	153	D8	India		21 Nov 2017	-	03 Dec 2017
MVs/Akola_IND/47.17/4	119354	119354	122910	MG647034	153	D8	India		21 Nov 2017	-	03 Dec 2017

If the sequence is an exact match to a named strain, that entry will appear first in the list.

The Distinct Sequence ID can then used in a Genotyping Epi Curve made in Excel:



Named Strain	Week--> MeaN Seq ID
MVs/Kabul.AFG/20.2014/3	4298
MVs/Islamabad.PAK/1.13/	4194
MVi/Marikina City.PHL/10.18/ *	5306
MVi/Gombak.MYS/44.16/	4762
MVs/Gombak.MYS/40.15	4274
MVs/Saint Denis.FRA/36.17	5096
MVs/Dublin.IRL/8.16/	4299
	5298
	4256
	5477
	5632
	5190
MVs/Herborn.Deu/05.17	4807
MVi/Hulu Langat.MYS/26.11	2283
MVs/Gir Somnath.IND/42.16	4683
MVs/Osaka.JPN/29.15/	4221
MVs/Delhi.IND/01.14/06	3632
MVs/Victoria.AUS/6.11	2279
	5221
	5150
	5128

This is where you would enter the Distinct Sequence ID and color code it to match the graph.