Annex C14: Creating a Table and Chart to Describe Genotyping Data

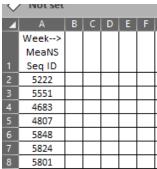
Data Needed

- The distinct sequence ID from MeaNS for each sequence in the given time period
- Any named strains that the distinct sequence IDs match
- The number of times each sequence was reported for each epi-week

In Excel

Data Entry

1. In a column list the Distinct sequence IDs detected during the given time frame.



2. You can add a column to the left where you can list the corresponding Named Strains

4	A	В	С	D
		Week>		
		MeaNS		
1	Named Strain	Seq ID		
2	MVs/Samut Sakhon.THA/8.18/	5222		
3	MVs/Amarapura.MMR/50.18/2	5551		
4	MVs/Gir Somnath.IND/42.16	4683		
5	MVs/Herborn.Deu/05.17	4807		
6		5848		
7		5824		
8		5801		

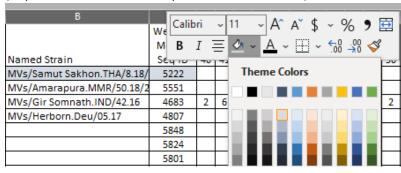
3. In the top row enter the epi-weeks for the time frame.

	Week>	20							Г
	MeaNS	18-							
Named Strain	Seq ID	40	41	42	43	44	45	46	47
MVs/Samut Sakhon.THA/8.18/	5222								
MVs/Amarapura.MMR/50.18/2	5551								
MVs/Gir Somnath.IND/42.16	4683								
MVs/Herborn.Deu/05.17	4807								
	5848								
	5824								
	5801								

4. For each distinct sequence ID, place the total number of times it was detected for each epi-week in the corresponding column. If a sequence was not detected in a certain week leave that cell blank.

	Week>	20		П	П	Г			
	MeaNS	18-							
Named Strain	Seq ID	40	41	42	43	44	45	46	47
MVs/Samut Sakhon.THA/8.18/	5222								
MVs/Amarapura.MMR/50.18/2	5551								
MVs/Gir Somnath.IND/42.16	4683	2	6	10	20	11	11	8	7
MVs/Herborn.Deu/05.17	4807								
	5848								
	5824								
	5801								

5. Choose a fill color for each distinct sequence ID and each box with a number corresponding to it. (Repeat for each distinct sequence ID on the chart)

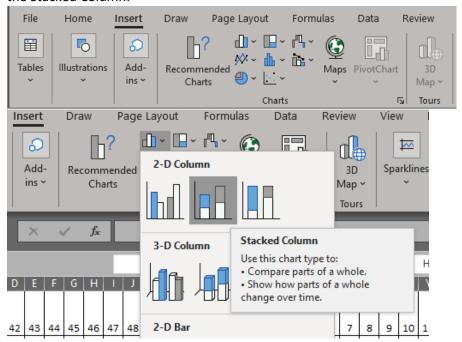


6. Example of the data setup in Excel

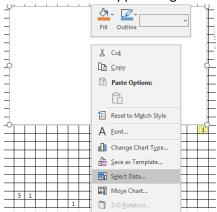
	Week>	201																													
	MeaNS	8-																													ı
Named Strain	Seq ID	40	41	42	43	44	45	46	47	48	49	50	51	52	019-	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MVs/Samut Sakhon.THA/8.18/*	5222																	2													
MVs/Amarapura.MMR/50.18/2*	5551																					1									
MVs/Gir Somnath.IND/42.16	4683	2	6	10	20	11	11	8	7	12	7	2	1	2	15	18	12	12	5	6	14	6	14	19	22	24	37	39	34	39	15
MVs/Herborn.Deu/05.17	4807																														$\overline{}$
	5848																								1	14	13	5	1	2	
	5824																								1						
	5801																									10		6	5	19	
	2429																			1											

Creating the Chart

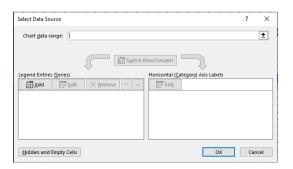
1. Select the "Insert" tab and then expand the Column Charts icon. Under Column charts, select the Stacked Column.



2. A blank chart will appear. Right click inside of the chart and select "Select Data"

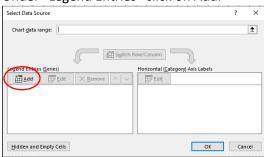


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Next add in each series of data, one for each distinct sequence ID.

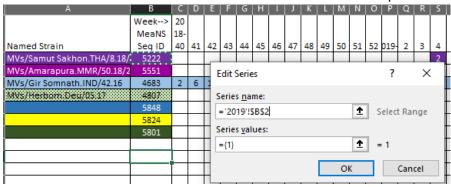
3. Under "Legend Entries" click on Add.



4. A box will appear.



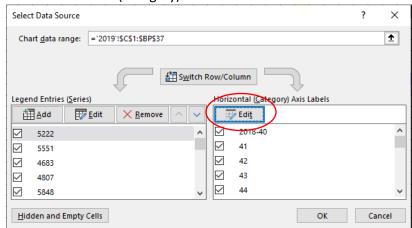
5. Within the "Series name:" select the box that has the distinct sequence ID



6. In the "Series values:" select all of the cells to the right of the distinct sequence ID in the corresponding row. The series name box will appear empty as below (the data is shown to the right of each box, there are only commas on this selection since there are no sequences for the selected weeks). Click "OK"

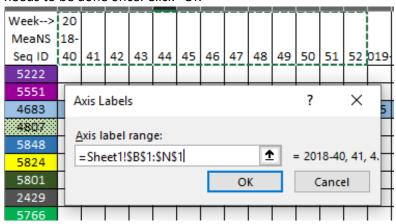
	Week> MeaNS	20 18-																
Named Strain	Seq ID	40	41	42	43	44	45	46	47	48	49	50	51	52	019-	2	3	4
MVs/Samut Sakhon.THA/8.18/	5222			Ļ														2
MVs/Amarapura.MMR/50.18/2	5551				Edit :	Serie	25								?		×	
MVs/Gir Somnath.IND/42.16	4683	2	6	1														
MVs/Herborn:Deu/05:17	4807			П	Serie	s <u>n</u> a	me:											
	5848			П	='20	19'1	tR\$2	,					1	1 .	: 522	2		Ī
	5824													1	522			Ī
	5801			П.	Serie	s <u>v</u> al	ues:											Ī
				П	='20	19"!	SC\$2	:\$0	52				<u>+</u>	=	.,,		,	Ī
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				L	_													

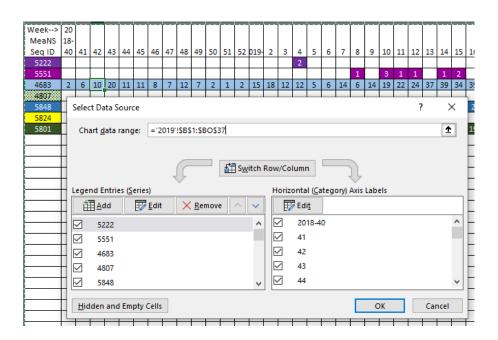
- 7. Repeat steps 4-8 for each additional distinct sequence ID
- 8. Under "Horizontal (Category) Axis Labels" select edit.



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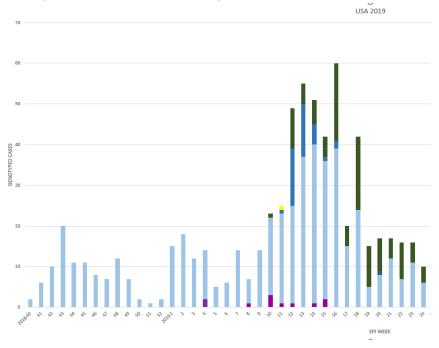
9. With the cursor in the "Axis label range:" box highlight the epi-weeks chosen for the chart. This will correct the horizontal axis label on the chart with the correct epi-weeks. This step only needs to be done once. Click "OK"



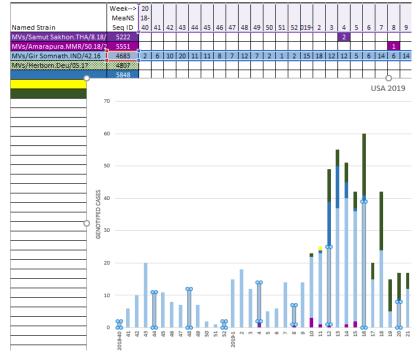


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10. When you are finished click OK and your chart will be shown with all the updated data ranges.



11. Clicking on a particular column in the chart will then show you the linked data range. Use this to ensure your colors match between the data table and the stacked column chart. (For this example Distinct sequence ID 4683 or Gir Somnath is the strain selected and shown)



12. The image can be copied and pasted into other documents such as Word or Power Point, although sometimes the colors do not transpose exactly right. Right-click towards the edge of the chart to copy the image.

