

Zion Dewerff

Lab Week 3 SEA-PHAGES

1. What does the acronym SEA-PHAGES mean?  
Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary Science
2. What are the main objectives of the SEA-PHAGES program?  
The main objectives were to help undergrads increase interest in biological sciences and to help engage students to learn more and be more involved in STEM programs.
3. Why is program so important?  
It is important to give student the opportunity to understand what STEM has to offer especially in early stages of schooling.
4. What are phages? How many have been found by Nyack College students?  
Phages are viruses that infect bacterial hosts while having properties shared by viruses. 131 found by Nyack College.
5. How many genes are in the phage Journey13?  
81
6. Provide the names of TWO of the genes and state their function.  
Journey13\_6- tail protein  
Journey13\_7- lysin A
7. What is the difference between COVID-19 and coronavirus?  
COVID-19 is one particular strain of coronavirus. Coronavirus includes many more strains than just COVID-19
8. What is the specific name of the coronavirus and where did it originate?  
COVID-19, Coronavirus disease 2019. Wuhan, China, December 2019.
9. How many genes are in the coronavirus?  
COVID-19 has 15 genes.
10. For TWO of the genes, provide the names and state their function.
11. Are there any similarities between Nyack Warriors and the coronavirus in looking at the genes present in each virus?  
Both Nyack Warriors and coronavirus have multiple factors of what it is composed of each having different function, for coronavirus it is the different genes and for Nyack Warriors it is different student, teachers, departments, all playing different roles.
12. How does the coronavirus spread?  
Spreads through droplets most commonly, these infected droplets can be spread when projected and breathed in or off of surfaces.
13. Explain how you can minimize your risk of exposure and getting sick.  
Frequent handwashing, avoid touching your face,
14. Which individuals have the highest risk of getting sick from the virus?  
People who are 65 and above, immune-compromised, or have other pre-existing conditions
15. What did you learn from the video which you did not know previously?  
I didn't learn anything completely new I have been pretty familiar and educated on COVID-19 so far.