## Questions and Problems:

- 1. The findings in this paper can only be extrapolated to the Han River, so I do not agree with the authors when they conclude that this points to viruses being a "larger" reservoir for antibiotic resistance genes.
- 2. The paper does not unambiguously prove that viruses are transferring the antibiotic resistance genes between hosts.
- 3. Although this study has low bacterial contamination, it is not 0. So, there is always a chance that the ARGs found here may be from bacteria and not from viruses.
- 4. It is left unanswered if the other ARGs identified with low identity are actually functional ARGs.

Insurer problem 2) dem	on strace transfer	
Incubate bacteria resistant to two different ABX	Place on agar containing ABX — of	, ~ ,
experimental:		
8		
intect bacteria	→ <u> </u>	
resistant to		
with low mol of	place on agar containing	exect
1450genic	ABX — &	ground
phase resistent	`	J ·
to		

Answer Question M: Test offer ARGS control: expect place on susceptible no ager with bacteria ABX experiental: 805CEPTINE place on expect bacteria à ager with grows lysogenic phage ABX resistant to &

of repeat experiment for increasing - concernarations to find MIC