Purpose/Relevance (2 points)

Data/Results (17 points)

Discussion (40 points)

- All results are clearly interpreted, hypotheses are made and evaluated for the obtained results and their deviation from the "expected" results. There is a good synthesis of the experiment and the results, particularly in the scope of a larger context. (30 points)

- How does kanamycin work? (2 points)

- Describe how pRL27 confers resistance to kanamycin to its host? (2 points)

- In the Transposon Mutagenesis Experiment, a transposant does not contain pRL27, so how do you know that conjugation took place in that cell? Explain your answer. (2 points)

- In the Transposon Mutagenesis Experiment performed in the MCB301 lab, why would conjugation efficiency be reduced if the donor strain did not have a copy of the pir gene? (2 points)

- If pRL27 does not have an oriT site, then our Transposon Mutagenesis Experiment would be unsuccessful in generating the proper mutants. How would the lack of an oriT site prevent generation of the proper mutants? (2 points)

Grammar and Format (3 points)