**Bio113 Research Proposal for Promoter v2**

***Replace all italics text with your own. Keep text not in italics.***

*Lab group (time and color)*, Fall 2020

*Authors (list in order of birthdays)*

**Introduction** *(limit 100 words) What was the goal of your research? What were you testing and what did you hypothesize might happen? Connect this project to what we have learned in class.*

**v1 promoter:** *(dsDNA; sticky ends underlined)*

*For example:*

*abc\_purple 5’ gggaaagggaaagggaaaaggagagaga*

*ttccctttcccttttcctctctctgaga 5’*

**Prior Results** *(limit 100 words) What did you learn about the genotype and phenotype of promoter v1?*

*insert graph here*

**Figure 1** *(insert legend here)*

**v2 promoter:** *(two oligos, ready to order)*

*For example:*

*abc\_purple\_T;gggaaagggaaagggaaaaggagagaga*

*abc\_purple\_B;agagtctctctccttttccctttccctt*

**Predicted Results** *(limit 100 words) What do you predict for promoter v2? Be sure to compare v1 results with predicted v2 results. Generate a hypothetical graph showing what you might see. Include v1 X1 with v2 X1, v2 X2 and v2 X3.*

*insert hypothetical graph here*

**Figure 2** *(insert legend here)*

**References** *(alphabetical order by last name of first author)*

*Lab manual*

*Textbook*

*Research papers for your promoter(s)*