PLNT 3140 - Introductory Cytogenetics November 9, 2023

Name

Student ID number

Assignment 3

### **1) (2 points)**

### **a) Would the map distances calculated by RH be the same as distances calculated by Mendelian genetics? Why or why not?**

**b) Mendelian genetics requires the presence of two different alleles at each locus. Is this also true of RH markers? Explain**

**2) (3 points) Briefly describe the differences between bacterial populations in uncontaminated, low metal and high metal soils.**