PLNT 3140 - Introductory Cytogenetics October 19, 2023

Name

Student ID number

Assignment 2

### 1) (3 points) Outline an experimental strategy to test the hypothesis that heat shock puffs correspond to loci encoding heat shock proteins. Include whatever controls are necessary. Since the entire Drosophila genome has been sequenced, you can assume that just about any gene you wish is available for use.

**2) (2 points) Outline an experimental strategy that would tell you whether there were changes in chromatin structure at heat shock puffs**.