MCB 142 Discussion

Hana Lee
September 9, 2008

1 Announcements
If you are enrolled in a section different from this one, you may continue attending this section while you continue to sort out your enrollment. However, please note that the course requires you to attend the section you are officially enrolled in. If you end up attending a different section, please be sure that your new GSI receive the quiz you’ve taken in this section from me.

2 Key Concepts
1. What is the difference between:
   - incomplete dominance and co-dominance?
   - recessive epistasis and dominant epistasis?
   - penetrance and expressivity?
2. What are some molecular mechanisms that can explain epistasis?
3. Define the following terms:
   - loss-of-function
   - gain-of-function
   - hypermorph
   - neomorph
   - dominant negative
   - other useful terms: amorph, null, antimorph
4. What are the characteristics of a pedigree tree for:
   - autosomal recessive?
   - autosomal dominant?
   - X-linked recessive?
   - X-linked dominant?