

Protein Modeling - Division C Image Packet

University of Texas-Austin Invitational

October 26, 2019



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Instructions and Clarifications:

- You have **50** minutes to finish this exam and the computer exploration of protein structure.
- Each **participant** may bring **one** 8.5" x 11" sheet of paper that may be in a sheet protector or laminated that contain information without any annotations or labels affixed along with writing utensils for each participant.
- You **may** not write on this exam. Only the **answer sheet** will be graded.
- Write your team number on every page of the answer sheet.
- Tiebreakers are labeled as **TB#**. There are **five** tiebreakers in this exam.
- If you have any questions or comments about this exam, feel free to email me at velasco.scienceolympiad@gmail.com. **Happy testing!**

I. General Biochemistry

Figure 1.1

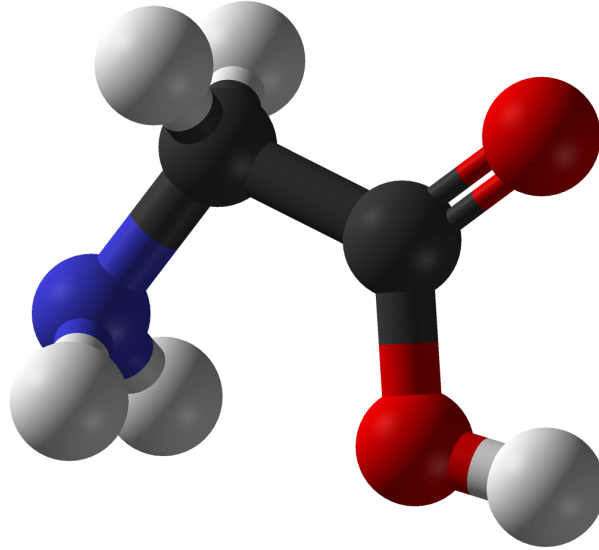
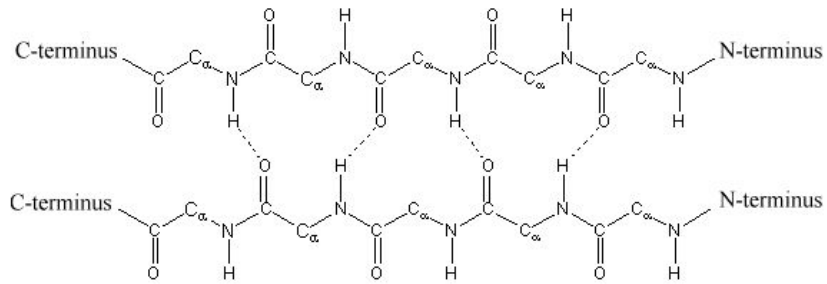
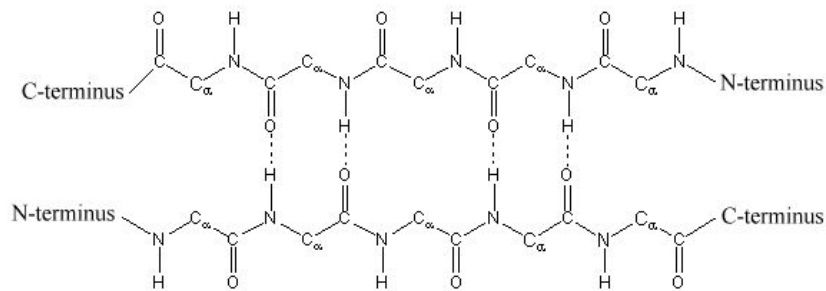


Figure 1.2

Parallel β Sheet



Antiparallel β Sheet



II. CRISPR-Cas Systems and Cytidine Deaminase

Figure 2.1

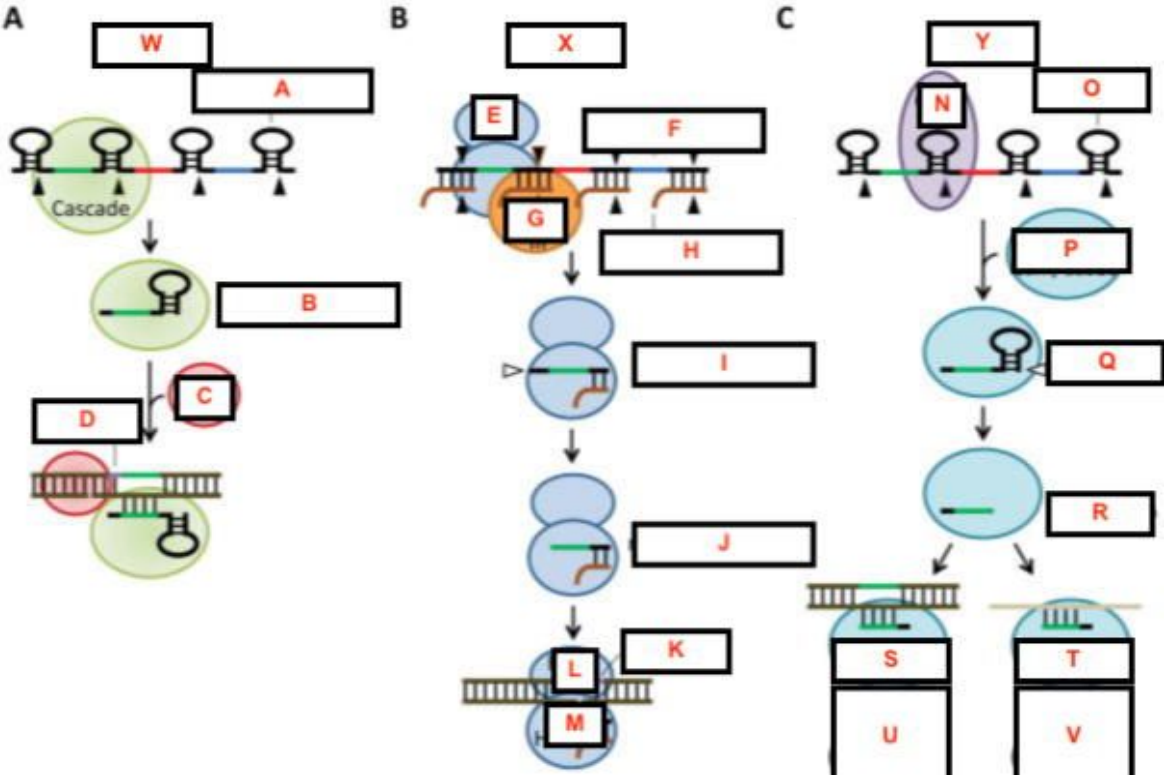


Figure 2.2

