Protein 4 Questionnaire responses

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| Name |
| test |
| Ruairidh Barlow |
| Ryan Duong |
| Adithya Balu |
| Diana Marquez |
| Bethany Yachuw |
|  |
| Jared Mann |
| Lucas Rizkalla |
| Nikhita Puthuveetil |
| Thomas Raymond |
| Jesse Raynor |

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| PS1 |
| PS1 |
|  |
| nope |
| none |
| no |
| I had a really hard time with problem 1.4. I found the backbone of each amino acid and multiplied the number of atoms by 0.2 to find the length in nanometers. I assumed the ring shape would be made from the backbone forming a circle, and that the length was also the circumference. I took the amino acid with the smallest backbone, and divided its length by 3 to find the diameter of the pore. I am almost certain that I did that wrong, but I can't come up with any other solution. |
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| Can you go over Q1.4? I believe I got the correct answer, however I am confused with your wording of "one instance of each of the four amino acids". Does that mean there are more than four? |
| I still had not grasped the concept for number 1.6 in the problem set. I couldn't figure out why folding of the protein would lead to hydrophobic regions exposed. |
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| Sanger |
| S&T |
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| nope |
| none |
| no |
| None |
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| I do not. |
| I think our class discussions were very useful in understanding the article. |
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| Perutz\_got |
| Found Perutz |
| No, I am finishing up the last 2 problems of the first problem set. |
| Yes. Verified volume, issue, page number |
| Still looking through various cites for the article |
| Yes, I checked the pages cited and the name |
| Yes. The titles, page numbers, etc. match. |
| yes, I've checked the page number and the subtitle. |
| Yes, because I found a vcu pdf with the exact title and page numbers. |
| I have found it and dowloaded it. I know it is the right one since it is in the original journal and has all of the same authors and same page numbers identified in the companion. |
| The year and page number match. |
| It has the same title, author, year, journal, volume, and page numbers |
| The key was the phrase "et al". The other article had only one author, Perutz himself. |

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| Sanger\_up\_to |
| Perutz extent |
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| SQ15 |
| not finished |
| SQ4 |
| SQ2 |
| Q2 |
| SQ2 |
| 6. Non-polar Residues (Tables 4 and 5) |
| SQ2 |
| SQ12 |
| SQ2 |

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| Perutz\_comment |
| Perutz |
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| none |
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| It would benefit me to look over the tables in the article as a class. I am having a hard time interpreting the data in them. |
| I didn't quit understood the why there are too many circles. |
| Please go over hemoglobin structure and how to use the umass link you gave us. |
| I think class time would be best to go over the connection between Fig. 1 and Table 2 to affirm or disconfirm what I deduced as the connection between the two. |
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| IF I understand correctly, Table 2 is a list of amino acids that are consistent in most animals hemoglobin structures, and they are found to not have a large effect on the folding of the protein. Fig.1 is the predicted secondary structure of hemoglobin, which predicts where the invariant amino acids from Table 2 would go to leave room for amino acids which are variate and influence the tertiary structure. |
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| HbStructure\_Explorer\_access |
| Hb access |
| No, I am finishing up the last 2 problems of the first problem set. |
| Took a while to fix browser security for Hgb Structure but I got it. Have yet to attempt protein explorer. |
| Will try with other browsers |
| I haven't been able to make it work, I will try other computer |
| I had to add the website in my preferences in the java control panel, but after that it worked fine. |
| No, It keep telling me that my device doesn't meet the requirements. |
| Yes it runs. |
| I tried using the possible solution and I could not get it to work. |
| I will need to download Java first. |
| Accessed after some troubleshooting. |
| No. I tried reinstalling Java, and I got no web browser plugin listed in Firefox's plugins menu.  I seem to recall talk that the browser plugin was being phased out. |

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| myoglobin\_access |
| Myoglobin |
| No, I am finishing up the last 2 problems of the first problem set. |
| I'm having trouble searching for the PDB ID of whale myoglobin. The companion says I have the molecular name, but I can't seem to find where this might be. If I just search the author (Kendrew, J.C.) I get a protein with ID 1MBN, but how do I know this is whale myoglobin? |
| not yet |
| No |
| I could not figure out how to bring in whale myoglobin. I looked in the index for the code, but could not find it. |
| no, |
| Yes. |
| No I was not able. |
|  |
| Yes |
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| hemoglobin\_comment |
| Hb |
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| none |
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| I am comfortable with all of the topics except for alpha helices. I think I understand it, but someone explaining it to me would help a lot. |
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| No other questions! |
| I would like to discuss the visualizations of the protein structures and go through the connection between the article Fig. 1 and getting to the structure of hemoglobin. |
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| ThusFar |
| Misc |
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| none |
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| I find it hard to navigate through the article to find what I'm looking for. Is there any method of reading the article in a general way to understand it better. |
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