Notes – participant: Siriphan Manocheewa

**Please access the tool:** [https://cse512-15s.github.io/fp-liusuw-kuangyou/](https://cse512-15s.github.io/fp-liusuw-kuangyou)

**Instruction to use the tool**

1. Drag and select the region on the “Amino Acid Positions” axis.
2. Adjust or move the region by dragging its left or right border.
3. Click the bar if you want to look at the directional evolution of the according AA.
4. Browse the table in detail by scrolling up or down.
5. Adjust the threshold bar.
6. Click a cell for the consensus.

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**Survey Questions**

1. What 3 words (and only 3 words) best describe this tool?

**Comments:** Clean, Intuitive, And Useful

1. What problem does this tool solve? Do you think it meets this goal?

**Comments:** This tool makes it easier to navigate and visualize a large and complicate set of data. Yes, it meets the goal.

1. Do you feel the interaction is useful and engaging?

**Comments:** Yes

1. What aspects of the tool did you find either frustrating or confusing? Please Describe.

**Comments:** The lack of descriptions/explanations on how the tool works and its purpose. Although, this issue maybe out of scope for this class or project.

1. If you were to modify this tool, how would you improve it?

**Comments:** I would rearrange the position/location of some headings, button and add more descriptions. For examples,

1. Change the location of ‘Instructions’ button and make it more prominent. This is important for new users who are not familiar with this type of data/analysis.
2. Change default bar color to black/white. I was a little confused at first with the blue color and the legend on the right.
3. The current position of ‘Consensus’ amino acid is strange. It’s showing up on top of (overlap with) the small bar graph so it is obscured and I couldn’t find it at first.
4. Would you share or recommend this tool to your colleague or friends?

**Comments:** Yes. Good job!