

Computational Biology (BT 305)

Lab: 02

Sumit Nayan
Roll Number: 210106077

January 23, 2024

Question 5

4A) How many amino acids have large side chains, side chains with CG, CD, etc atoms, and what are those amino acids?

Answer: 245

4B) How many of them have acidic side chains?

Answer: 418 acidic amino acids

4C) How many have basic side chains?

Answer: 42

Question 6

A) Total number of amino acids: 2538

B) Number of alanines: 130

C) Number of tryptophans: 140

D) Total number of amino acids with polar side chains: 780

Question 7

- Sum of X coordinates: 50656.1
- Sum of Y coordinates: 157120
- Sum of Z coordinates: 89316.1