

Data Table 3

Organism		Number of Similar Amino Acid Positions Complete Conservation or Matching Semi-Conserved Areas	Number of Different Amino Acid Positions Non-Conserved Areas
Human vs.	Chimpanzee	20/20	0
	Mt. Gorilla	20/20	0
	Olive Baboon	19/20	1
	Lemur	17/20	3
	Dog	16/20	4
	Chicken	12/20	8
	Frog	11/20	9

Questions:

- 1. Which primates are most closely related to the human being? The primates, which is most like humans with regards to hemoglobin in this select sequence, is chimpanzee and mountain gorilla. Each match humans perfectly in this particular section of hemoglobin.**
- 2. Which non-primate is most closely related to the human being?**
The non-primate least like humans is the frog.