

Sample Questions (Bioinformatics)

- QUESTION 1 Most common BLOSUM matrices are:
- Option A 45, 62 & 80
- Option B 47, 98 & 82
- Option C 49, 65 & 85
- Option D 42, 60 & 87
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- QUESTION 2 is roughly equivalent to PAM 120.
- Option A BLOSUM60
- Option B BLOSUM62
- Option C BLOSUM64
- Option D BLOSUM65
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- QUESTION 3 Which of the following is not among the methods for finding localized sequence similarity?
- Option A Profile Analysis
- Option B Block Analysis
- Option C Extraction of Blocks from a Global or Local MSA
- Option D Pattern blocking
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- QUESTION 4 Profiles are found by performing the _____ MSA of a group of sequences and then removing the _____ regions in the alignment into a smaller MSA.
- Option A local, more highly conserved
- Option B global, low conserved
- Option C global, more highly conserved
- Option D local, low conserved
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- QUESTION 5 Which of the following is untrue regarding the block analysis method?
- Option A Blocks represent a conserved region in the MSA
- Option B Blocks differ from profiles in lacking insert and delete positions in the sequences
- Option C Every column includes only matches and mismatches
- Option D Blocks may be made by searching for a section of an MSA alignment that is low conserved