Fibrous Proteins

1º structure amino acid sequence

2º structure
$$\alpha$$
- helix β -sheet β -sheet β - and N-H of backbone

some proteins only have 1° and 2° structure:

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\left.\begin{array}{ll} \text{fibroin (silk)} & \beta\text{-sheet} \\ \text{keratin hair} & \alpha\text{- helix} \\ \text{collagen skin} \end{array}\right\} \text{ insoluble in $H_2O$}
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