


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Figure 1: Structural analysis of the protein sequence. The figure displays three segments of the protein structure, each with its corresponding sequence, secondary structure, and confidence scores. The first segment (residues 1-60) shows a long alpha-helix followed by a beta-strand. The second segment (residues 70-120) shows a long alpha-helix followed by a beta-strand. The third segment (residues 130-180) shows a long alpha-helix followed by a beta-strand. The fourth segment (residues 190-200) shows a short alpha-helix. The confidence scores are shown as a bar chart below each segment, with colors indicating different levels of confidence. The disorder scores are shown as a bar chart below each segment, with colors indicating different levels of disorder.


Residue	Sequence	Secondary structure	SS confidence	Disorder	Disorder confidence
1-60	MTLRKILALTCLLLPMMASAHQFETGQRVPPIGITDRGELVLDKDQFSYKTWNSAQLVGK	Alpha-helix (1-25), Beta-strand (26-30), Alpha-helix (31-35), Beta-strand (36-40), Alpha-helix (41-45), Beta-strand (46-50), Alpha-helix (51-55), Beta-strand (56-60)	High (red), Medium (yellow), Low (green)	Disordered (blue), Ordered (red)	High (red), Medium (yellow), Low (green)
70-120	VRVLQHIAGRTSAKEKNATLIEAIKSAKLPHDRYQTTTIVNTDDAIPGSGMVRSSLESN	Beta-strand (70-75), Alpha-helix (76-85), Beta-strand (86-90), Alpha-helix (91-95), Beta-strand (96-100), Alpha-helix (101-105), Beta-strand (106-110), Alpha-helix (111-115), Beta-strand (116-120)	High (red), Medium (yellow), Low (green)	Disordered (blue), Ordered (red)	High (red), Medium (yellow), Low (green)
130-180	KKLYPWSQFIVDSNGVALGAWQLDEESSAVVVLDKDGRVQWAKDGALTPEEVQQVMDLLQ	Alpha-helix (130-135), Beta-strand (136-140), Alpha-helix (141-145), Beta-strand (146-150), Alpha-helix (151-155), Beta-strand (156-160), Alpha-helix (161-165), Beta-strand (166-170), Alpha-helix (171-175), Beta-strand (176-180)	High (red), Medium (yellow), Low (green)	Disordered (blue), Ordered (red)	High (red), Medium (yellow), Low (green)
190-200	KKLLK	Alpha-helix (190-195)	High (red), Medium (yellow), Low (green)	Disordered (blue), Ordered (red)	High (red), Medium (yellow), Low (green)

Confidence Key

High(9)  Low (0)

? Disordered

 Alpha helix

 Beta strand