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Protein structure and disorder analysis of the full-length protein (1-340 aa). The figure displays six panels for each 50-residue segment: Sequence, Secondary structure (SS), SS confidence, Disorder, Disorder confidence, and a color-coded disorder score bar. The protein is composed of several alpha-helices (green) and beta-strands (blue). The disorder analysis shows regions of high confidence in the disorder prediction (red) and regions of low confidence (yellow/green). The color-coded bar represents the disorder score, with red indicating high disorder and blue indicating low disorder.

**Segment 1 (1-50 aa):** Sequence: MRVLLFLLSLFLMLPAFSAADNLLRWHDAQHFTVQASTPLKAKRAWKLCALYPSLKDSYWL. SS: Alpha-helices at 1-15, 45-50. Disorder: High confidence in disorder (red) from 1-15, 45-50. Disorder confidence: High confidence in disorder (red) from 1-15, 45-50.

**Segment 2 (51-100 aa):** Sequence: SLNYGMQEAA RRYGVLDLKVLEAGGYSQLATQQAQIDQCKQWGAEAILLGSSTTSPFDLQK. SS: Alpha-helices at 51-65, 75-85, 95-100. Disorder: High confidence in disorder (red) from 51-65, 75-85, 95-100. Disorder confidence: High confidence in disorder (red) from 51-65, 75-85, 95-100.


**Segment 3 (101-150 aa):** Sequence: QVASLPVIELVNAIDAPQVKSRVGVVPWFQMGYPQGRYLVQVAHKGKPLNVLLMPGPDNAGG. SS: Alpha-helices at 101-115, 125-135, 145-150. Disorder: High confidence in disorder (red) from 101-115, 125-135, 145-150. Disorder confidence: High confidence in disorder (red) from 101-115, 125-135, 145-150.

**Segment 4 (151-200 aa):** Sequence: SKEMVEGFRAAIA GSPVRIVDIALGDNDIEIQRNLLQEMLERHPEIDVVGATAIAAEAAM. SS: Alpha-helices at 151-165, 175-185, 195-200. Disorder: High confidence in disorder (red) from 151-165, 175-185, 195-200. Disorder confidence: High confidence in disorder (red) from 151-165, 175-185, 195-200.


**Segment 5 (201-250 aa):** Sequence: GEGRNLKTPLTVVSFYLSHQVYRGLKRGRVIMAASDQMVVQGELAVEQAIRQLQGQSVSD. SS: Alpha-helices at 201-215, 225-235, 245-250. Disorder: High confidence in disorder (red) from 201-215, 225-235, 245-250. Disorder confidence: High confidence in disorder (red) from 201-215, 225-235, 245-250.


**Segment 6 (251-300 aa):** Sequence: NVSPPI LVLTPKNADREHIRRSLSPGGFRPVYFYQHTSAAKK. SS: Alpha-helices at 251-265, 275-285, 295-300. Disorder: High confidence in disorder (red) from 251-265, 275-285, 295-300. Disorder confidence: High confidence in disorder (red) from 251-265, 275-285, 295-300.

Confidence Key

High(9)  Low (0)

? Disordered

 Alpha helix

 Beta strand