

Name: Sua5/YciO/YrdC/Ywlc family protein**Function: "**

The yrdC-like domain is an ~185-residue module which can be found in stand-alone form, or in association with other domains such as the acylphosphatase-like domain, the sua5-like domain, the hypF-like domain or the hypF-type zinc finger.

The yrdC-like domain folds into an α/β twisted open-sheet structure with parallel and antiparallel orientations of adjacent β -strands (see <PDB:1HRU>). The structure comprises seven α -helices and seven β -strands with an unusual order and topology of β -strands and very strong twisting between them. The yrdC-like domain features a large concave surface on one side that exhibits a positive electrostatic potential. The dimension of this depression, its curvature, and the fact that conserved basic amino acids are located at its floor suggest that it may be a nucleic acid binding domain.

Source: To analyse this protein, we search for information on Expasy on similar protein domains (YrdC-like domain), where we found the information above.