Subunit Interactions at the V_1 - V_0 Interface in the Yeast Vacuolar ATPase Rebecca A. Oot and Stephan Wilkens

Supplementary Information

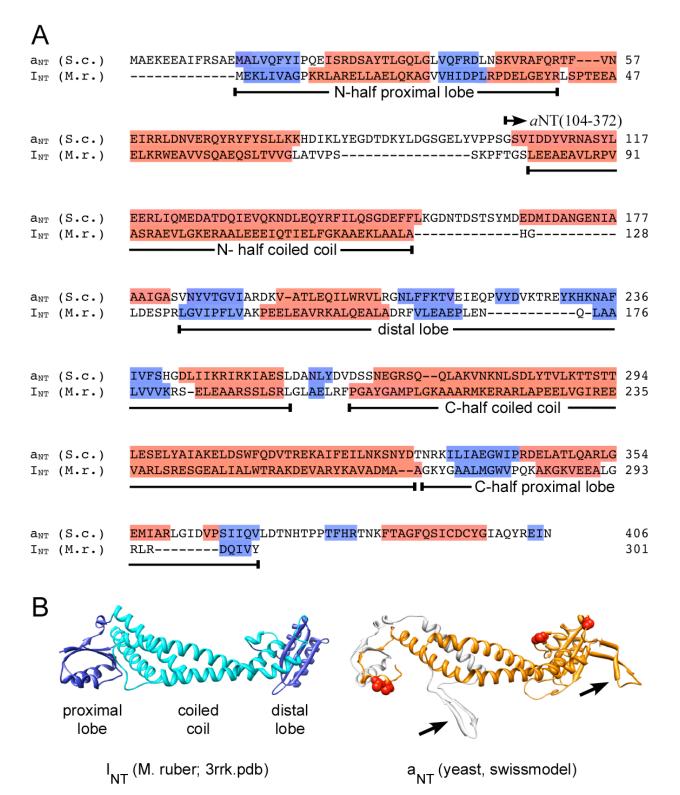


Figure S1: A, Primary sequence alignment of the N-terminal domains of S. cerevisiae Vph1p (1-406) and M. ruber subunit I(1-301). Secondary structure is shaded in blue and pink for β structure and α helix, respectively. B, Vph1p primary sequence (1-357) threaded into the M. ruber I_{NT} crystal structure (3rrk) using Swiss-Model (swissmodel expasy.org). Left, ribbon representation of M. ruber I_{NT} crystal structure with proximal and distal lobes colored in dark blue and the coiled coil domain in cyan. Right, model of Vph1p(1-357). Arrows point to Vph1p sequence elements not present in the M. ruber I_{NT} domain. The sites from which photo crosslinks to subunits EG was observed are in red spacefill. The Vph1p construct analyzed here is highlighted in orange.