Electronic Supplementary Material (ESI) for Metallomics.

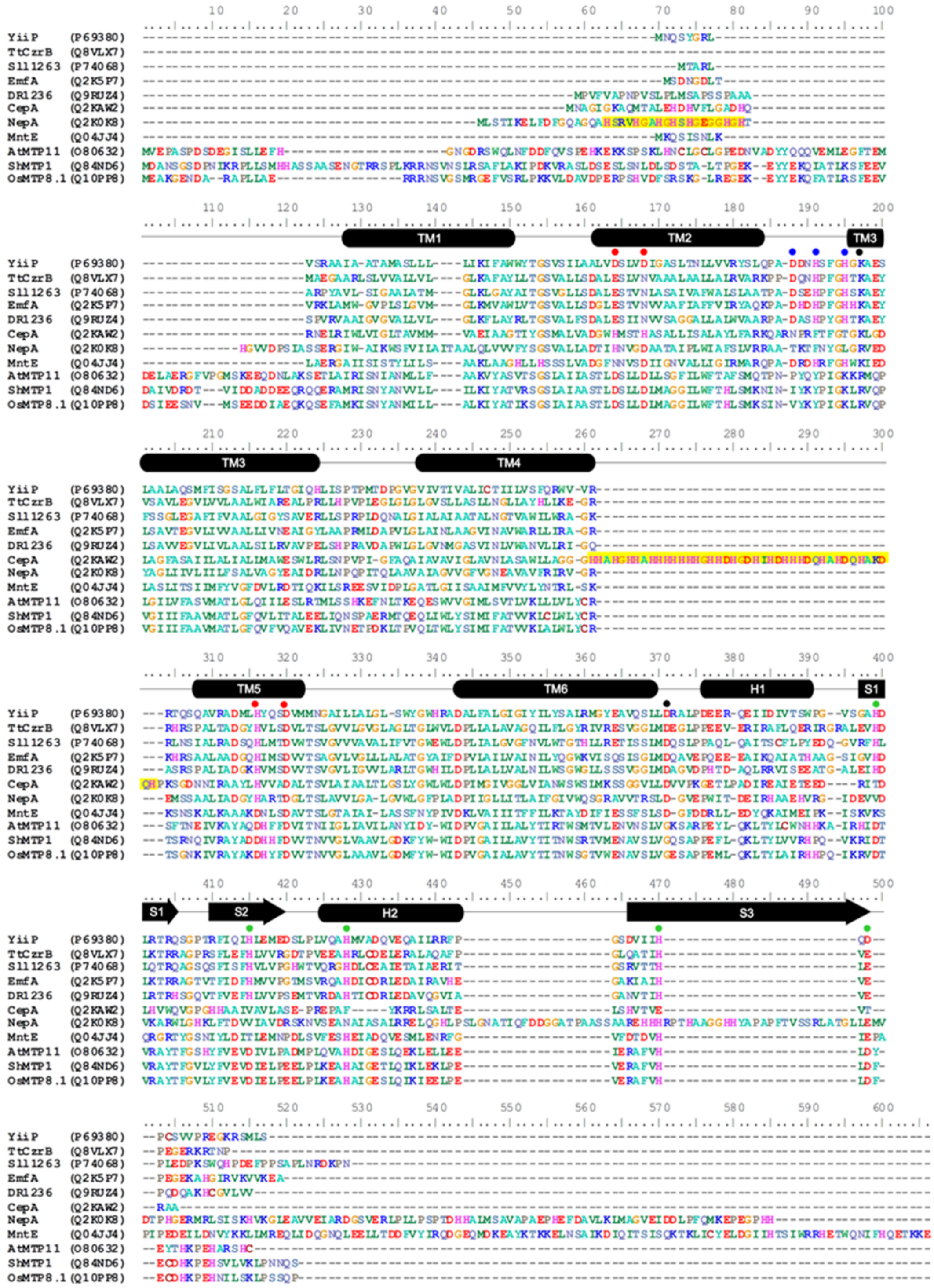

Fig. Suppl. 1. Absence of His-rich tracts in clade VI proteins. Full-length amino acid sequences of clade VI proteins, Mn2+- and Fe2+-CDFs from diverse origins and NepA and CepA as representative Ni2+/Co2+ CDF with His-rich tracts, as previously reported 11, were aligned with MUSCLE. The His-rich regions exclusively present in NepA and CepA CDF proteins are highlighted.

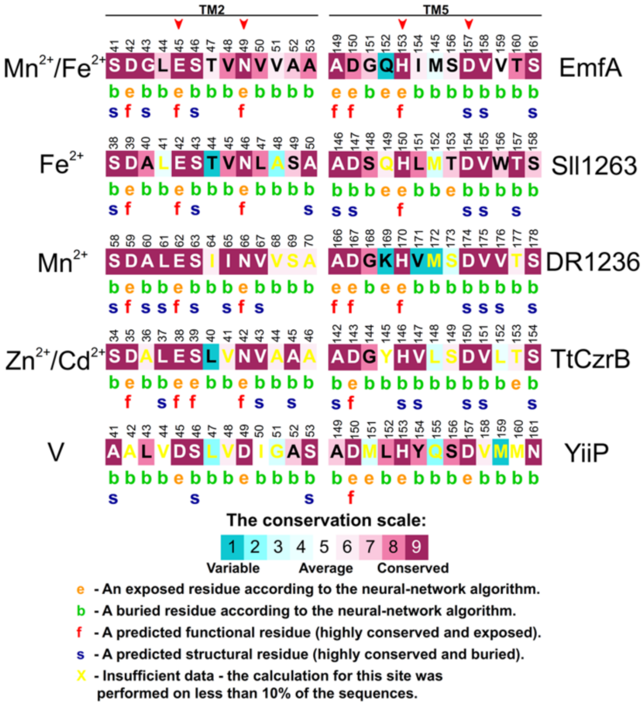

Fig. Suppl. 2. Conserved residues of putative MBS A are identical among proteins of clade VI subfamilies. Proteins from each subfamily were collected and aligned with hmmalign. The degree of evolutionary conservation of amino acid positions in related sequences was analyzed with ConSurf (see methods); such conservation degree is reflected by the color scale. For reference Zn/Cd-CDF proteins from the YiiP (V) group 11 were also included. Numbering correspond to proteins indicated on right.