

Supplementary Information

Proximal ADP-ribose Hydrolysis in Trypanosomatids is Catalyzed by a Macrodomain

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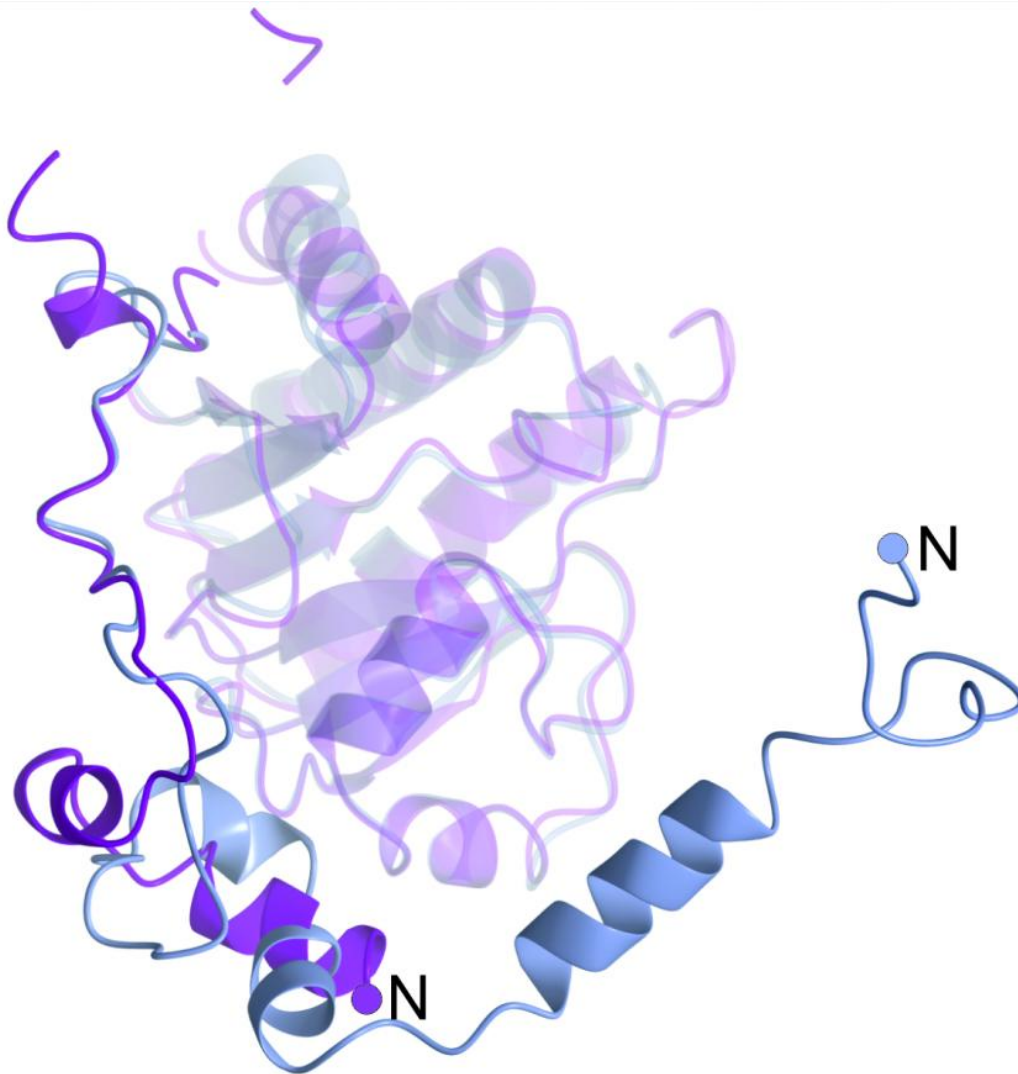
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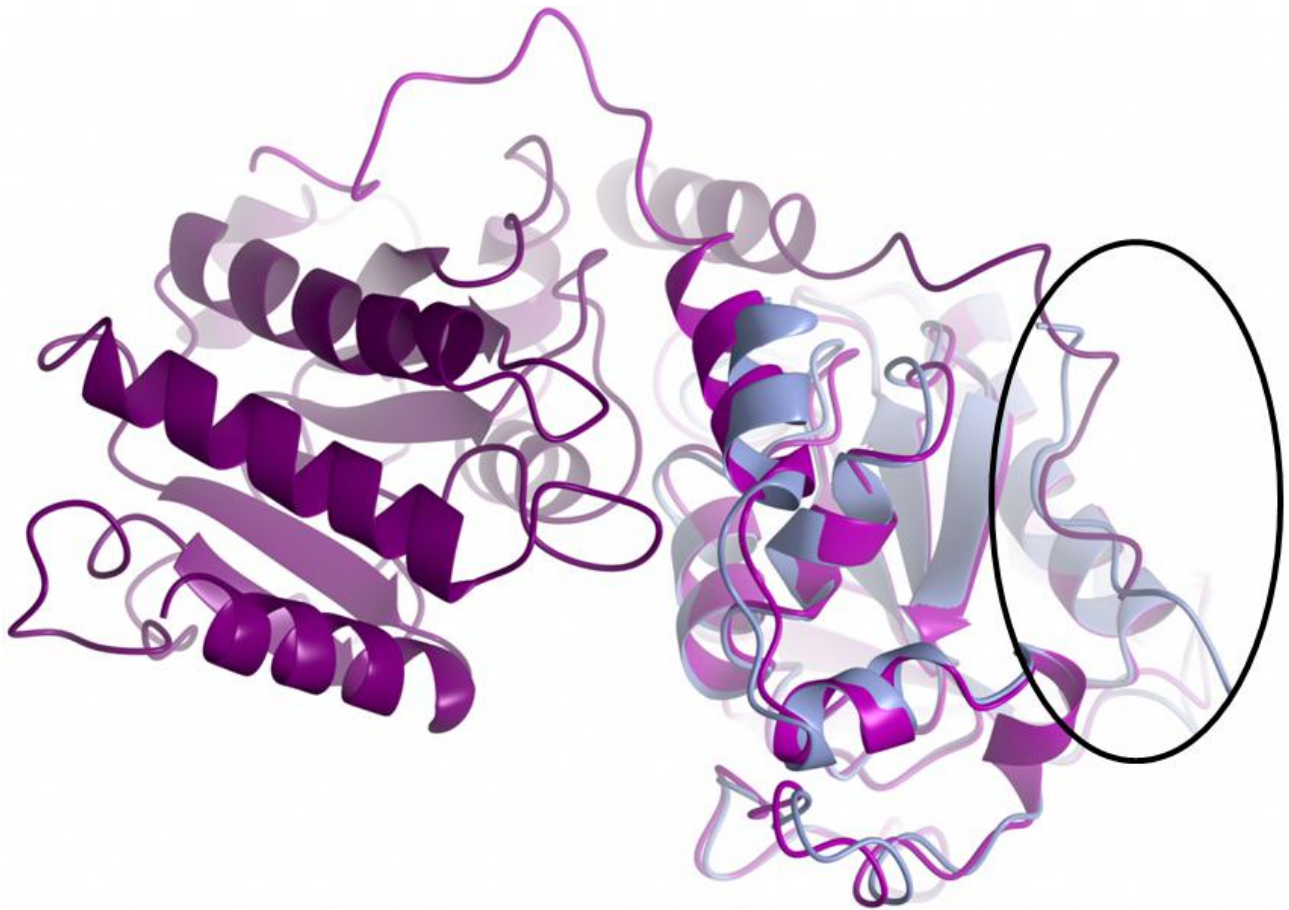
Supplementary Figure 1

Supplementary Figure 2

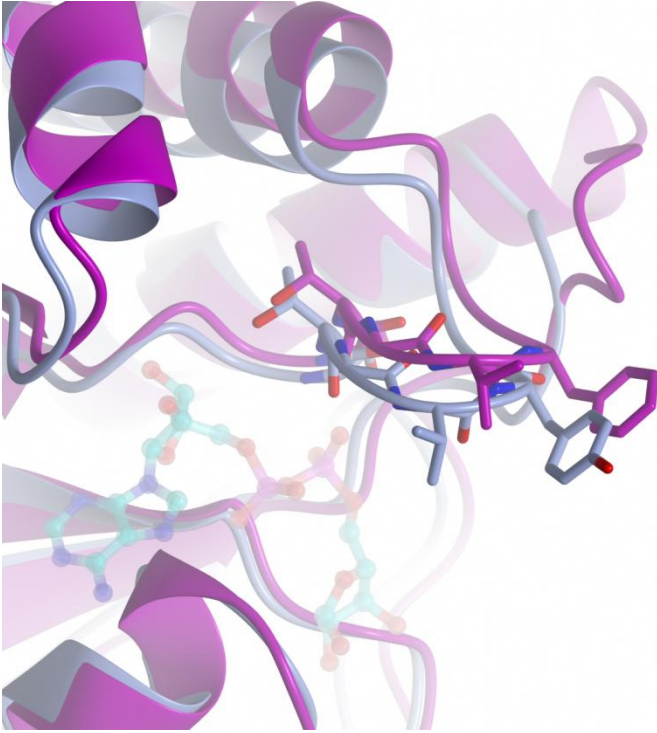
Supplementary Figure 3



Supplementary Figure 1. Organization of the N-terminus of TcMDO (blue) and human MacroD2 (magenta). The N-termini of the proteins are shown in front, while the conserved macrodomain fold is shown in the background.



Supplementary Figure 2. Packing of the N-termini of the macrodomains. Superposition of TbMDO (blue) with TcMDO (magenta). N-terminus of the symmetry related TcMDO molecule (dark magenta) packs in identical location as the N-terminus of TbMDO (circled).



Supplementary Figure 3. Conformation of the loop next to distal ribose binding pocket in TcMDO. Superposition of the TcMDO (blue) and MacroD1 (magenta). ADP-ribose from the TbMDO-ADP-ribose complex is shown in the background to illustrate the binding site.