



Supplementary Figure 2. Polynucleotide kinase activity assay. PNK reaction mixtures of **A)** T4 PNK, **B)** *MmCNPase*, **C)** *MmCNP_N*, and **D)** *MmCNP_C*. The reactions were carried out in the presence of Mg²⁺, with ATP as phosphate donor and with either A₂₀, dA₂₀, or both. T4 PNK was used as a positive control to validate the assay setup. The *MmCNP* domains were tested separately, with a negative result in the chosen assay conditions. The arrow represents the direction of electrophoresis.