

Supplementary Figure 4. CMK-1 shares homology with human CaMK1's and CaMK4. Multiple sequence alignment of *C. elegans* CMK-1 (Ce_CMK-1) with human CaMK1α (Hs_CaMK1_alpha), CaMK1δ (Hs_CaMK1_delta), CaMK1β (Hs_CaMK1_beta), CaMK1γ (Hs_CaMK1_gamma) and CaMK4 (Hs_CaMK4) highlighting domains and amino acids modified by phosphorylation and O-GlcNAc modification. Alignment was performed by L-INS-i MAFFT using BLOSUM62 as a scoring matrix and a gap onset penalty of 1.53.