



**Supplementary Figure 1: Mutational replacements in N259 and Q821 does not alter the overall structure:** A) WT PepN, N259D, Q821E and double mutant N259DQ821E proteins were purified, fractionated on 10% SDS PAGE and visualized after silver staining. B) Secondary structure was studied by monitoring the far UV-CD from 200-250 nm. C) Intrinsic fluorescence of 0.1mg/ml of WT PepN and mutants was studied by exciting the protein at 280nm and monitoring the emission from 300-500nm.