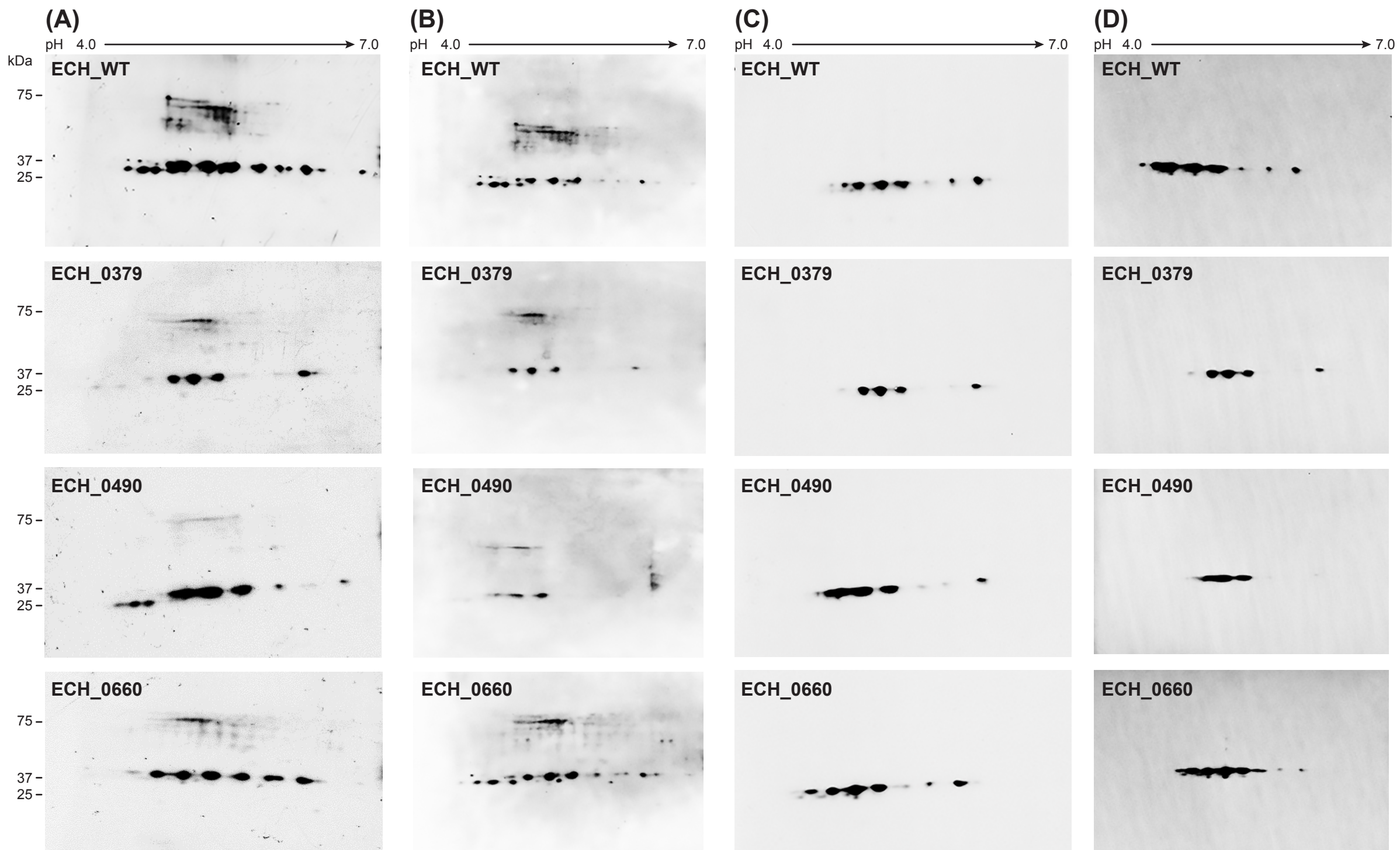
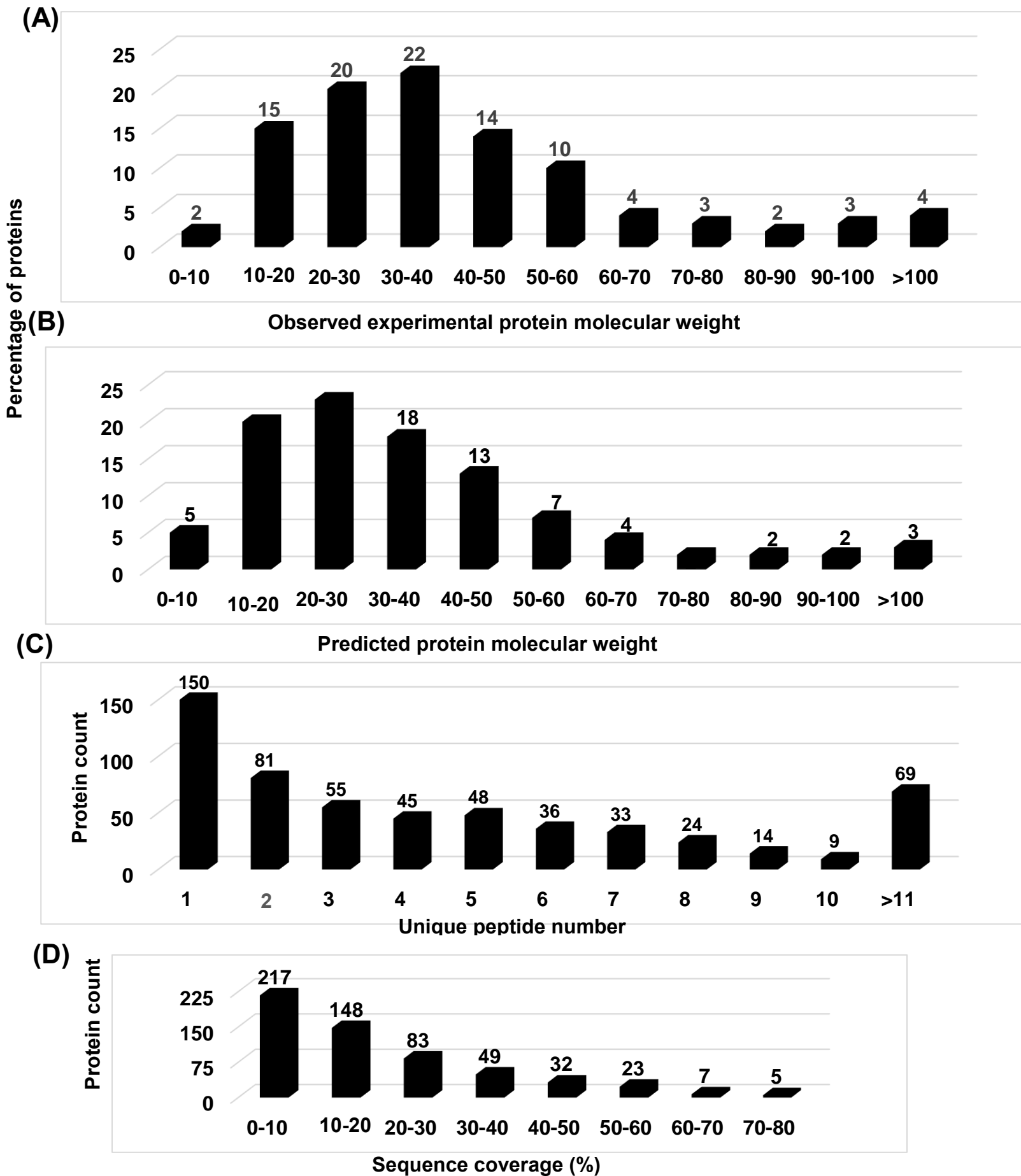


Supplementary Figure 1. Workflow of sample preparation, LC-MS/MS analysis and proteins quantitation of *E. chaffeensis* wildtype and mutants organisms.



Supplementary Figure 2. Replicates of *E. chaffeensis* wildtype and mutants' proteomes immunolabelled with polyclonal sera (Panels A and B) and with p28 MAb (Panels C and D).



Supplementary Figure 3. Distribution of experimental (A) and predicted proteins molecular weights (B) obtained from proteomics data and genome sequence (NC_007799.1). Unique peptides of the detected proteins (C), and protein sequence coverage (D). The number of proteins in each of the categories is presented above each bar.