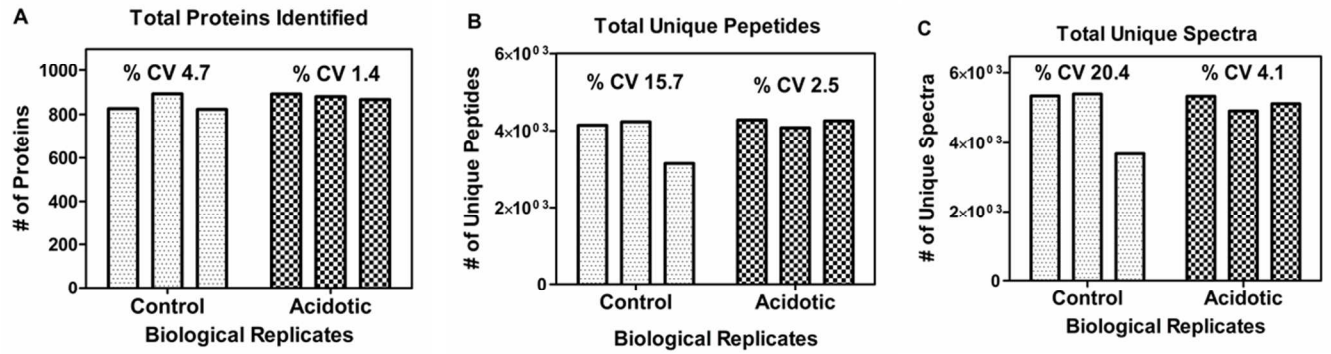
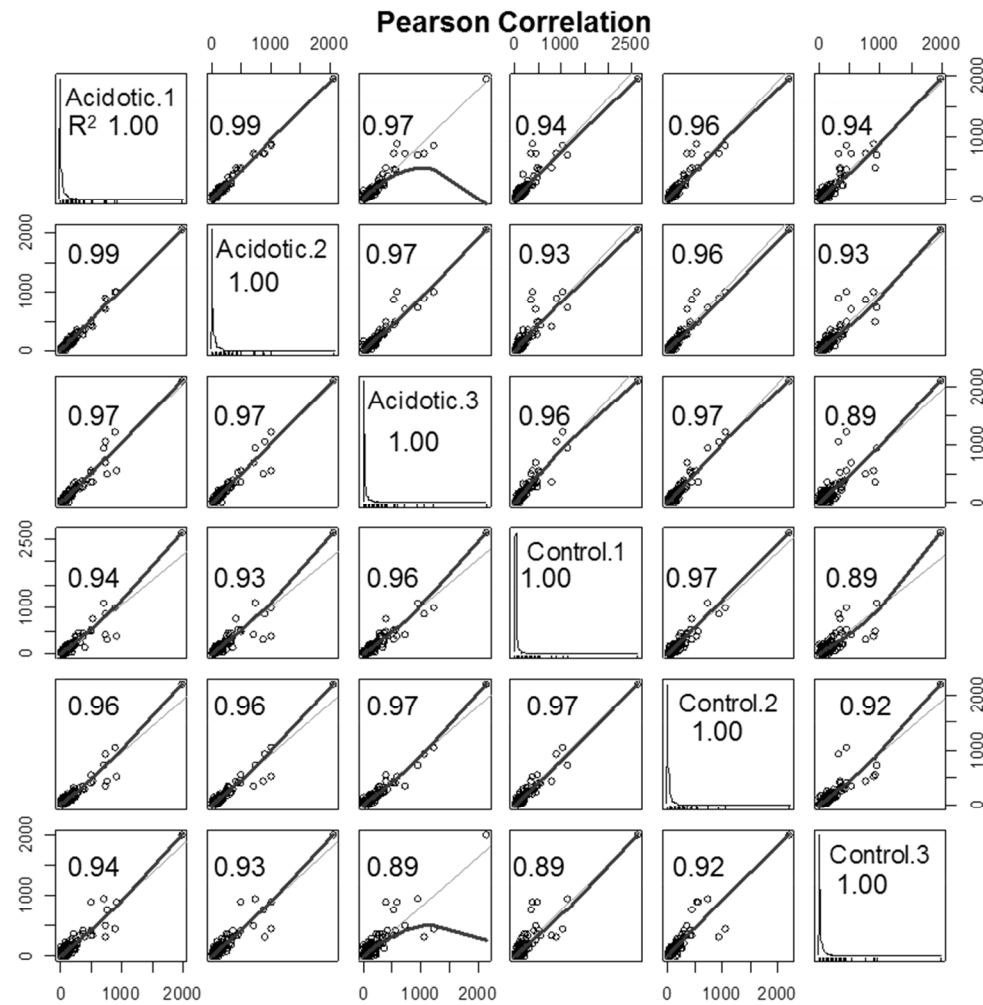


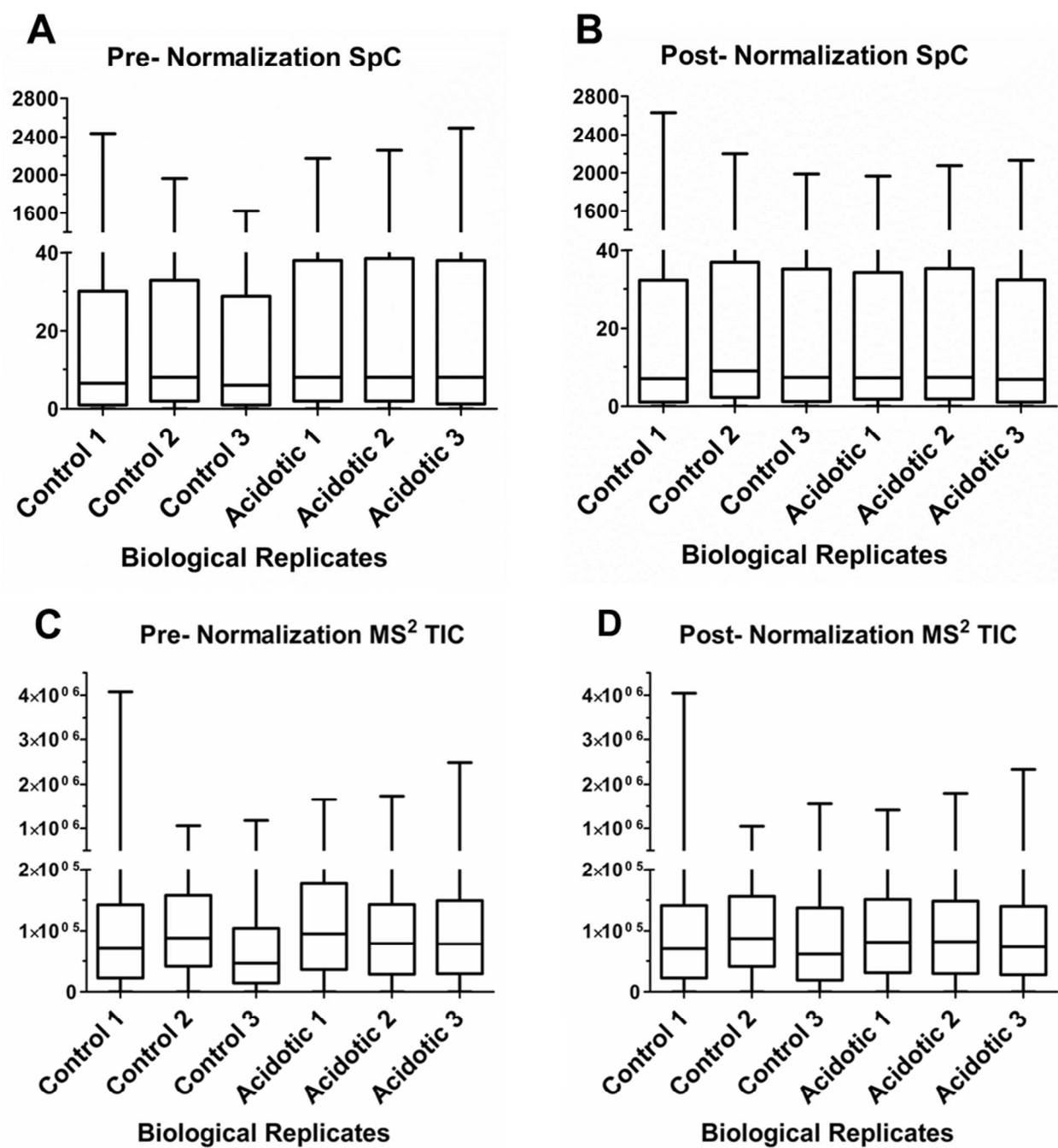
Supporting Information



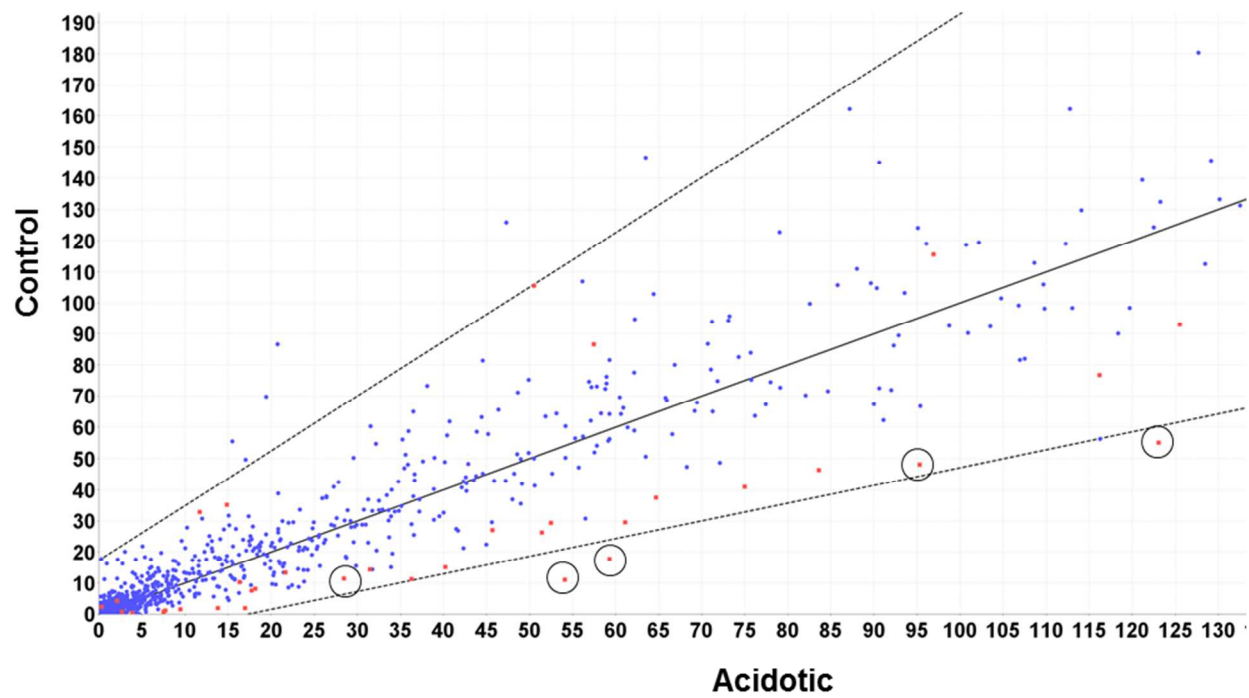
Supplemental Figure 1. Variance with in biological replicates represented as present of the Coefficient of Variation (% CV) for total proteins, unique peptides, and spectra identified.



Supplemental Figure 2. Pearson correlation of normalized spectral counts from biological replicates control and acidic. R^2 values for each correlation reported in each graph.



Supplemental Figure 3. Box plots showing dynamic range of pre and post-normalized spectral counts (SpC) or average total ion current (MS² TIC).



Supplemental Figure 4. Q-Q plot as generated in Scaffold. Dashed lines represent two standard deviations from the mean as determined by the PLGEM approach. Circled points represent a subset of proteins that had significant p-values by SpC analysis and that were also validated by western blotting.