

Supplementary Figure S2

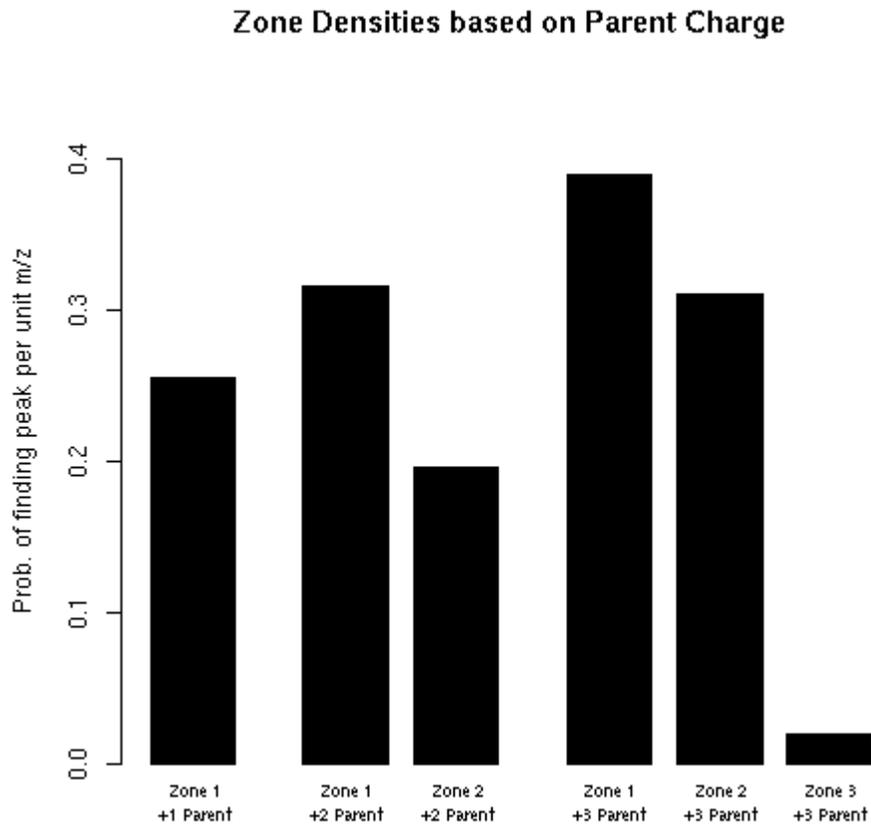


Figure S2: Density variations within a spectrum based on parent charge zones. The plots show that there can be significant variations in peak densities in an experimental spectrum. This affects the relative importance of matches and mismatches in each zone. Notice that for +2 charge spectra, the probability of finding a peak can vary by as much as a factor of 2 from one zone to another. Yet another interesting feature is that +3 parent spectra have very little peak density in the zone containing just +1 charged fragments. This could be because +3 parent peptides are long and most of them lack a zone 3.