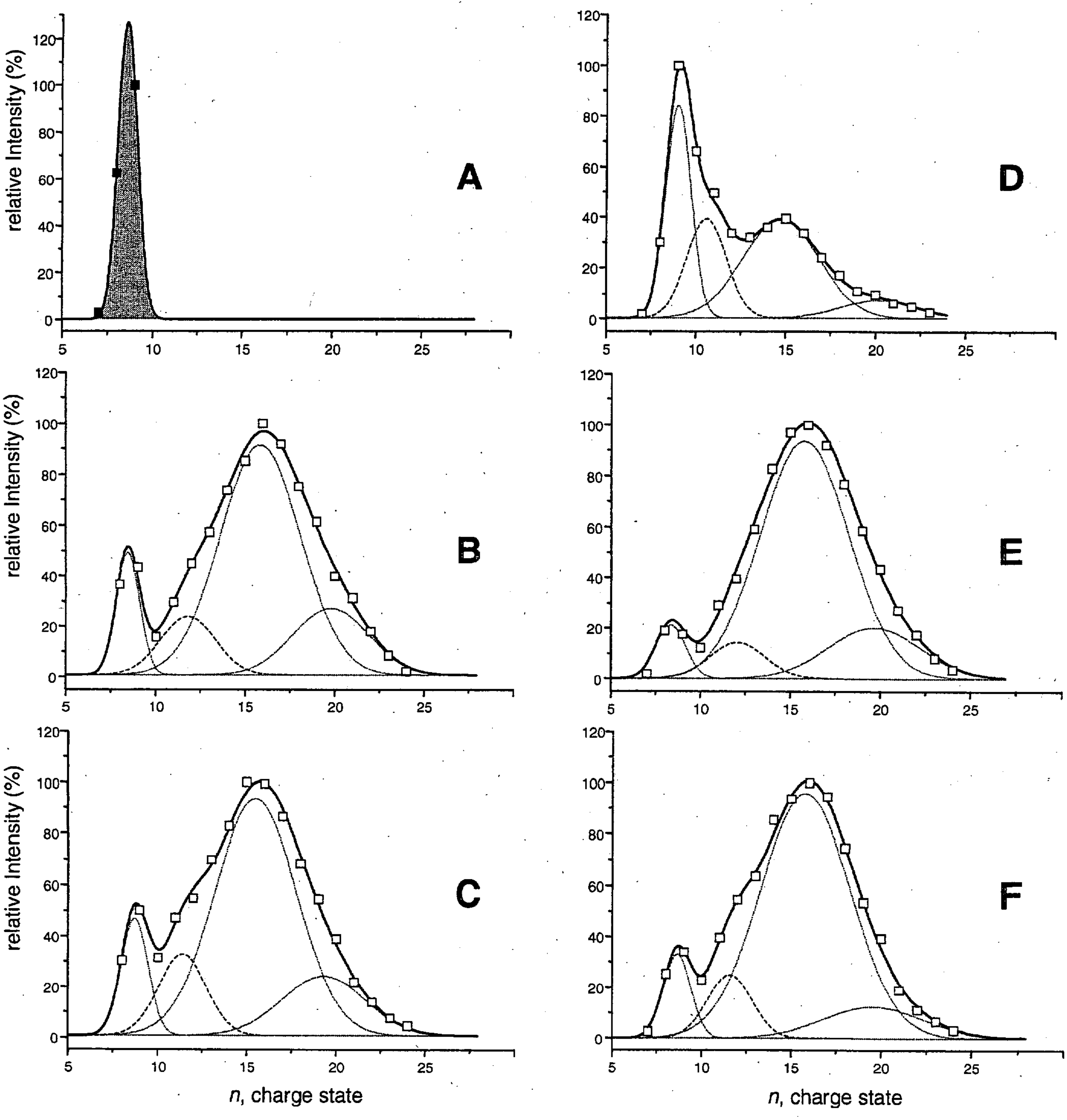

Figure 1. Curve fitting of positive ion charge state distributions in ESI mass spectra of *h*Mb(**A-C**) and *a*Mb (**D-F**) acquired at pH 4.5 (**A, D**), 3.5 (**B, E**), and 3.0 (**C, F**). Experimental data points are shown with squares (■ for intact *h*Mb ions and □ for *a*Mb ions). Gaussian curves represent the weighted basis functions used for curve fitting (shaded for *h*Mb). Thick solid lines represent summation of weighted basis functions.

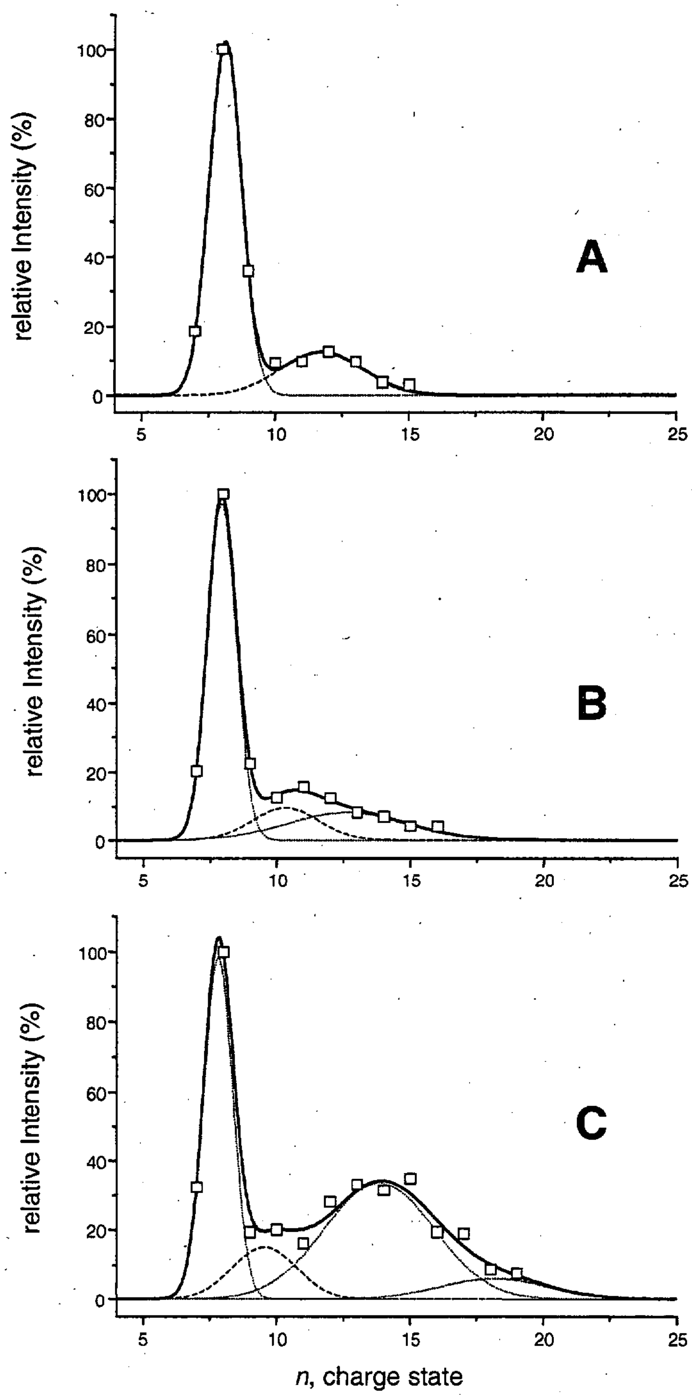

Figure 2. Charge state distributions of positive ions in ESI mass spectra of CRABP I acquired at pH 4.5 (**A**), 4.0 (**B**), and 3.0 (**C**). Experimental data points are shown with squares. Gaussian curves represent the weighted basis functions used for curve fitting. Thick solid lines represent summation of weighted basis functions.