Figure 6. Validation results for the index, [1 - (\text{R}_\text{R}/\text{R}_\text{NIR})], calculated using \text{R}_{550} (A) and \text{R}_{705} (B) spectra from independent datasets. The coefficients between the predicted and actual measured chlorophyll contents were $r^2 = 0.94$ (A) and 0.93 (B). The solid line represents the equation $Chl_{\text{pred}} = Chl_{\text{meas}}$, and the dotted lines represent the root mean square error of the chlorophyll prediction.