

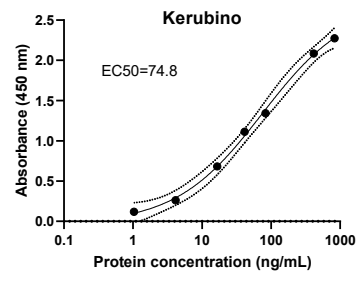
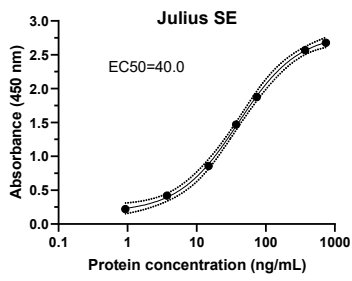
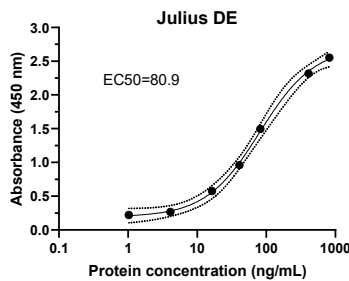
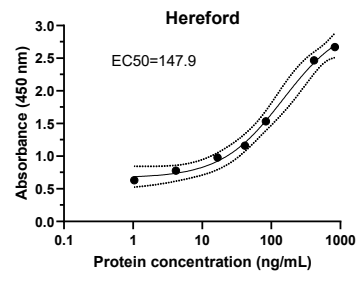
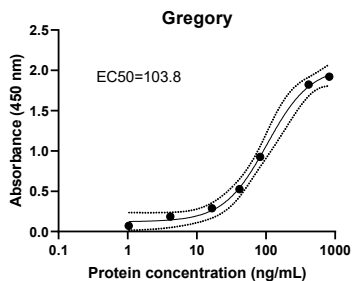
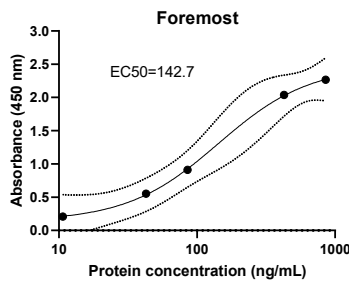
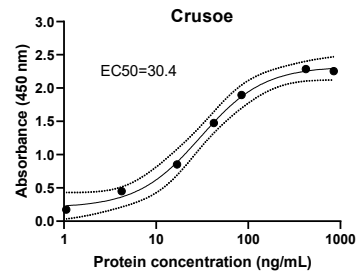
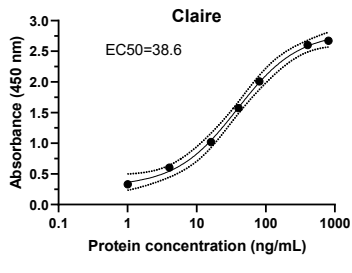
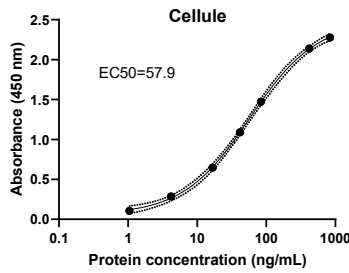
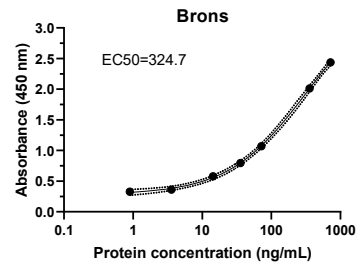
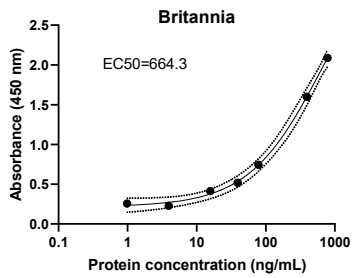
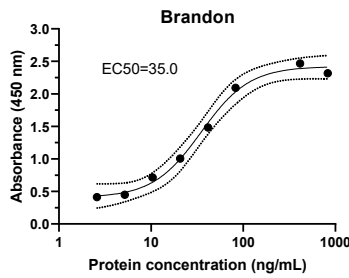
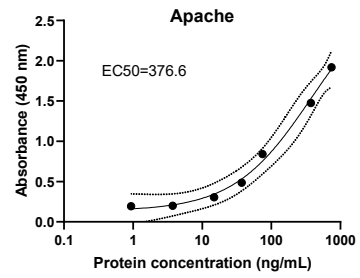
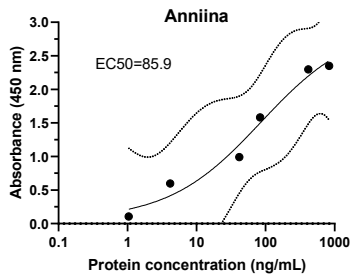
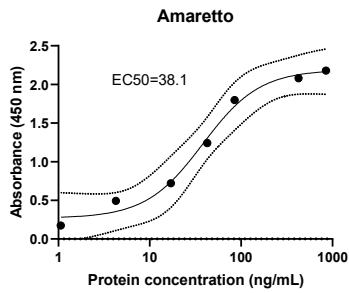
Supplementary materials

Barley C-hordein as the calibrant for wheat gluten quantification

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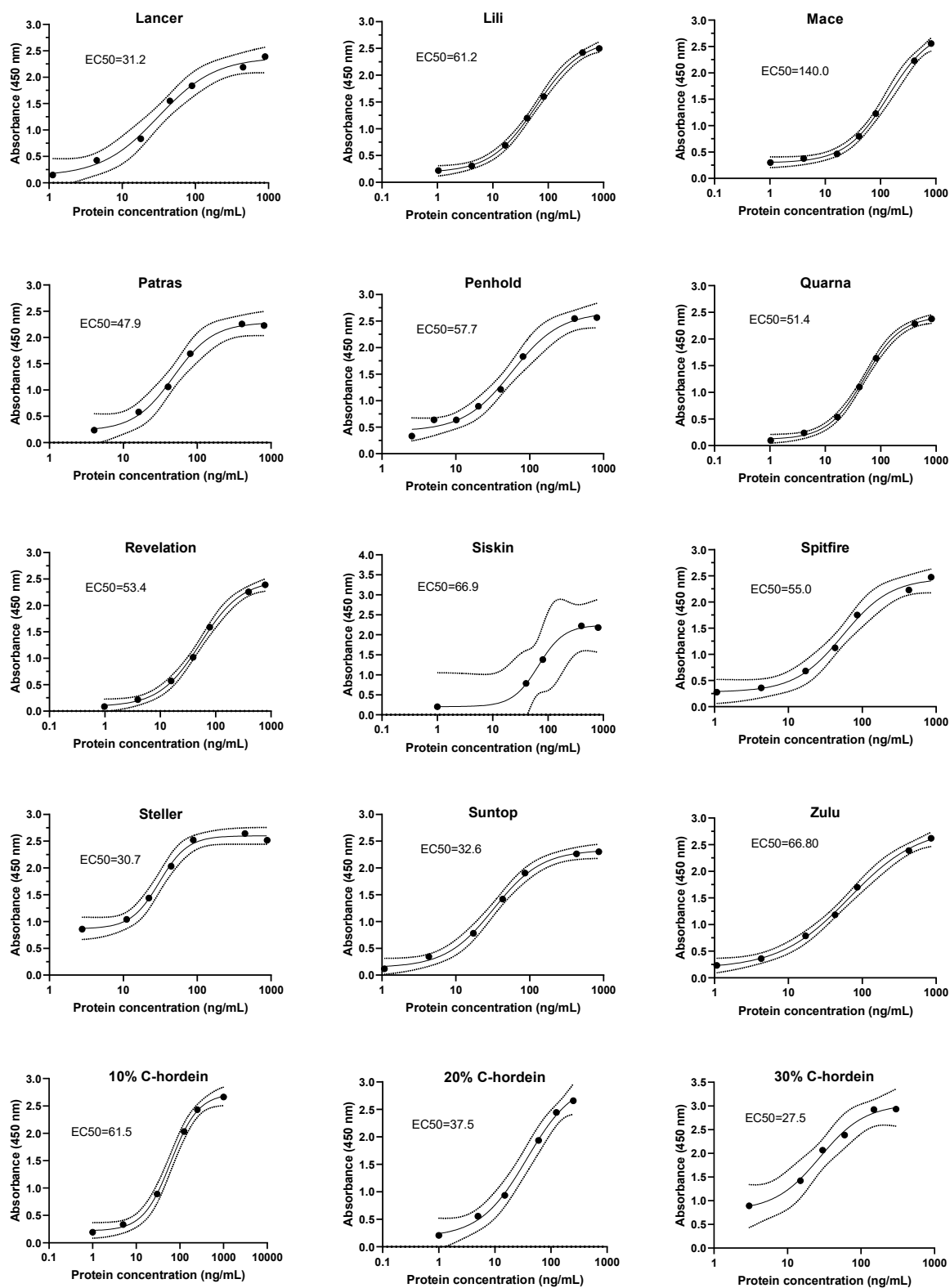


Figure S1. R5 reactivity of total gluten from 27 wheat cultivars and C-hordein calibrates. The EC50 value was calculated from non-linear four parameter curve fit (Graphpad Prism 8). EC50 indicates the protein concentration that provokes half of the antibody response. Solid line indicates the fitted curve, and dotted lines indicate the 95% of confidence intervals.

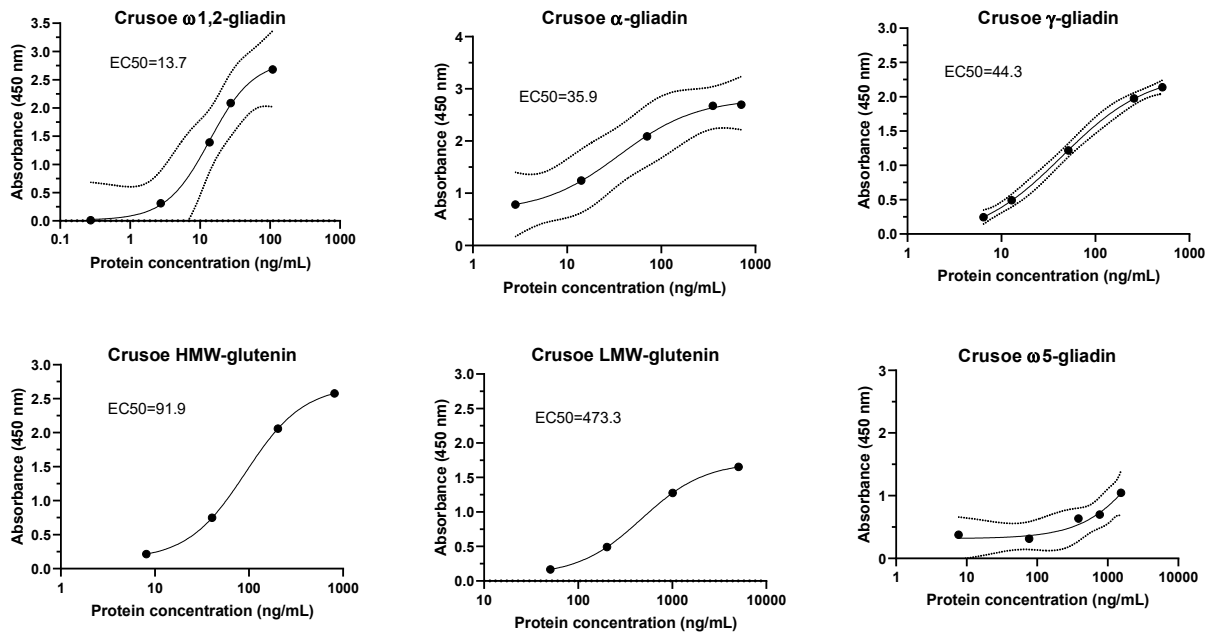


Figure S2. R5 reactivity of gluten types from wheat cv. Crusoe. The EC50 value was calculated from non-linear four parameter curve fit (Graphpad Prism 8). EC50 indicates the protein concentration that provokes half of the antibody response. Solid line indicates the fitted line, and dotted lines indicate the 95% of confidence intervals. Less than 4 data points was not possible calculate the confidence intervals.

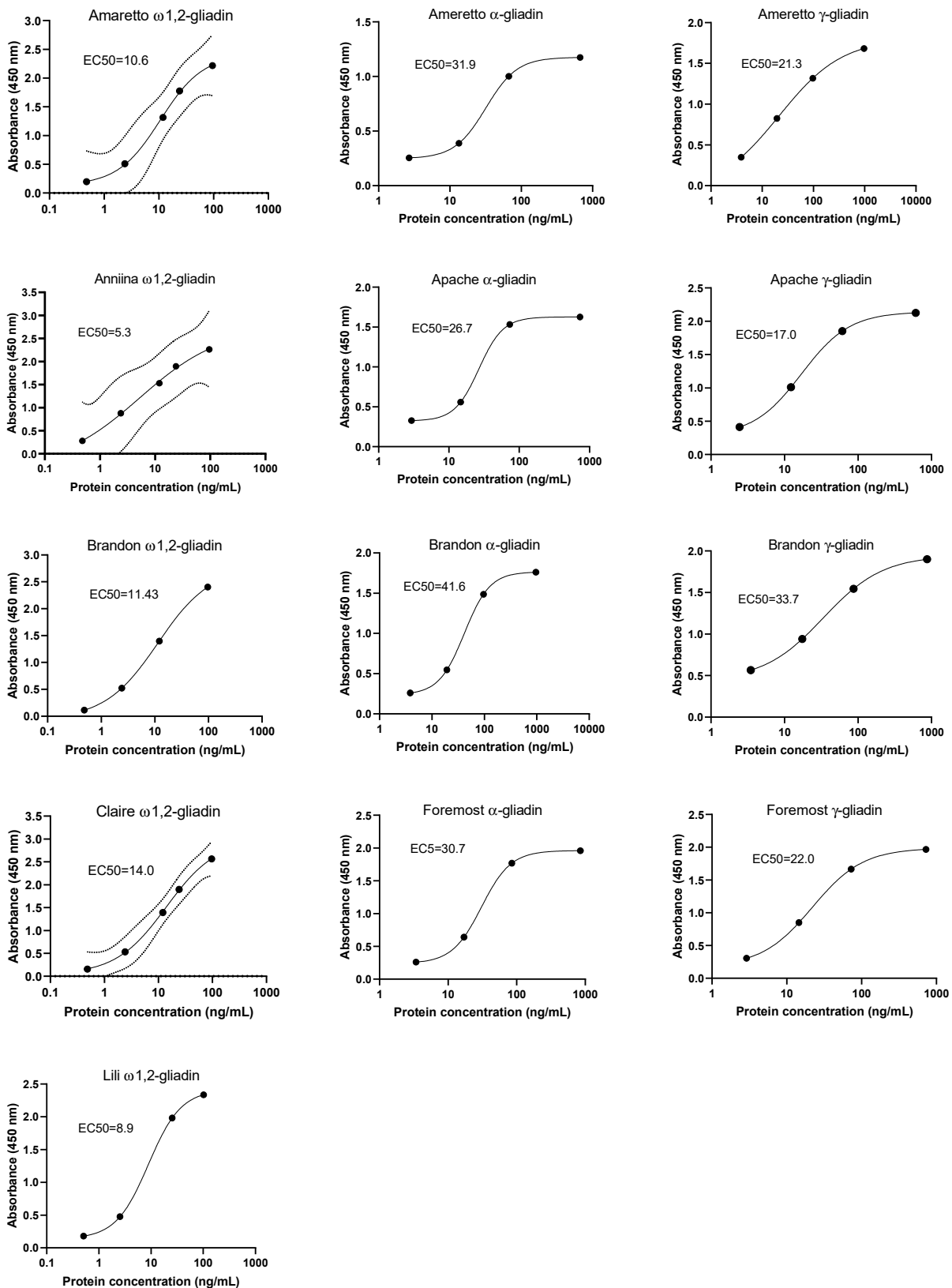


Figure S3. R5 reactivity of gliadin types from different wheat cultivars. The EC50 value was calculated from non-linear four parameter curve fit (Graphpad Prism 8). EC50 indicates the protein concentration that provokes half of the antibody response. Solid line indicates the fitted line, and dotted lines indicate the 95% of confidence intervals. Less than 4 data points was not possible calculate the confidence intervals.

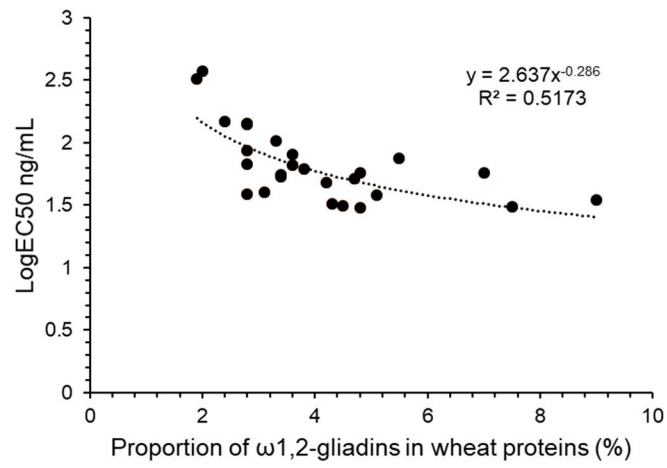


Figure S4. Correlation of the proportion of ω1,2-gliadin in wheat proteins and logEC50 value of the total gluten isolate from 27 cultivars. The curve was in power fit.