

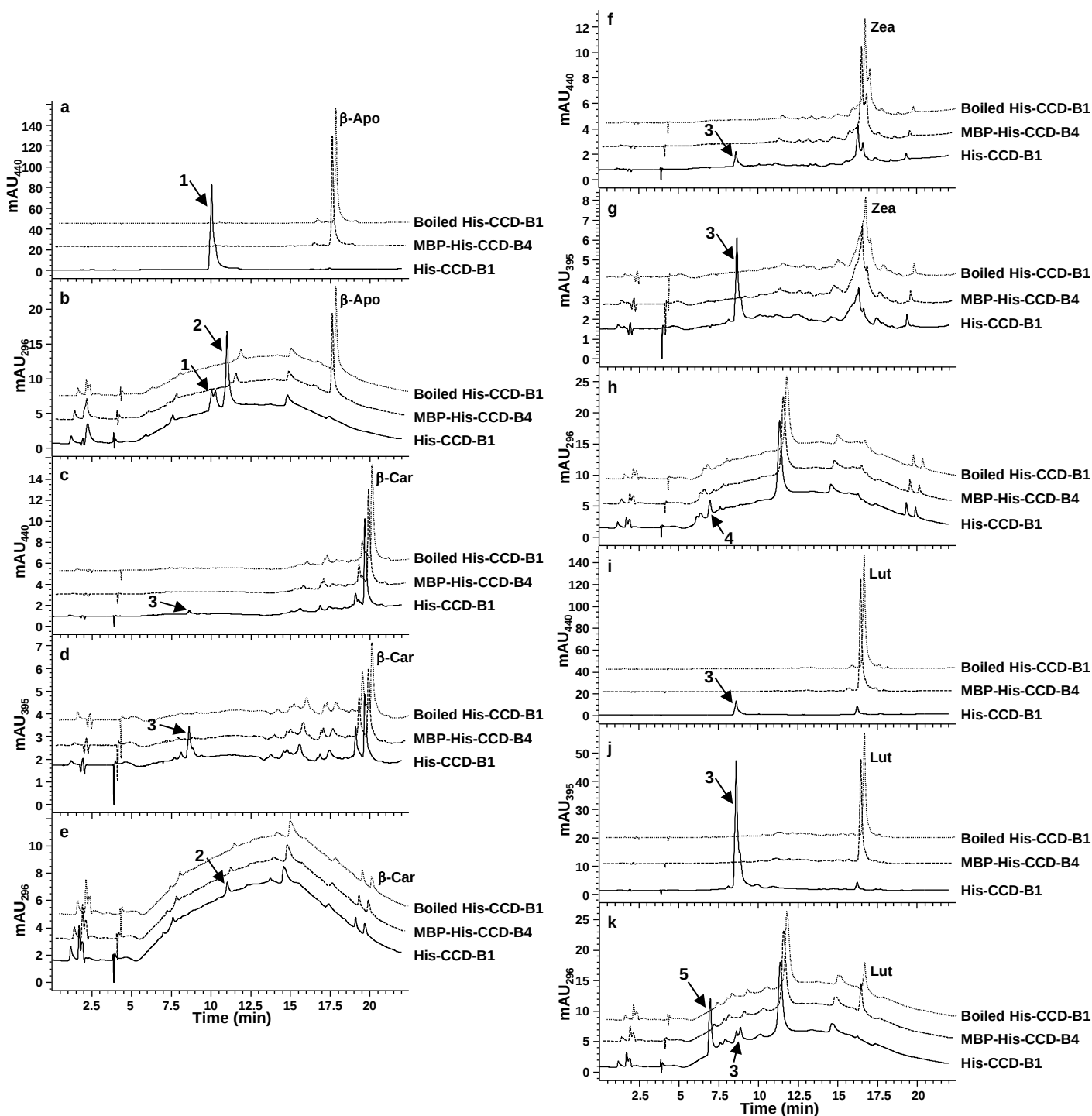


Figure S3. *In vitro* activities of wheat CCD-B1 and CCD-B4 homeologs. β -apo-8'-carotenal (β -apo; a,b), β -carotene (β -car; c-e), zeaxanthin (Zea; f-h), and lutein (Lut; i-k) were used as substrates in the enzyme assays. Product peaks are indicated by arrows. Absorption and MS spectra of the product peaks are shown in Fig. 3.