

Supplementary Materials

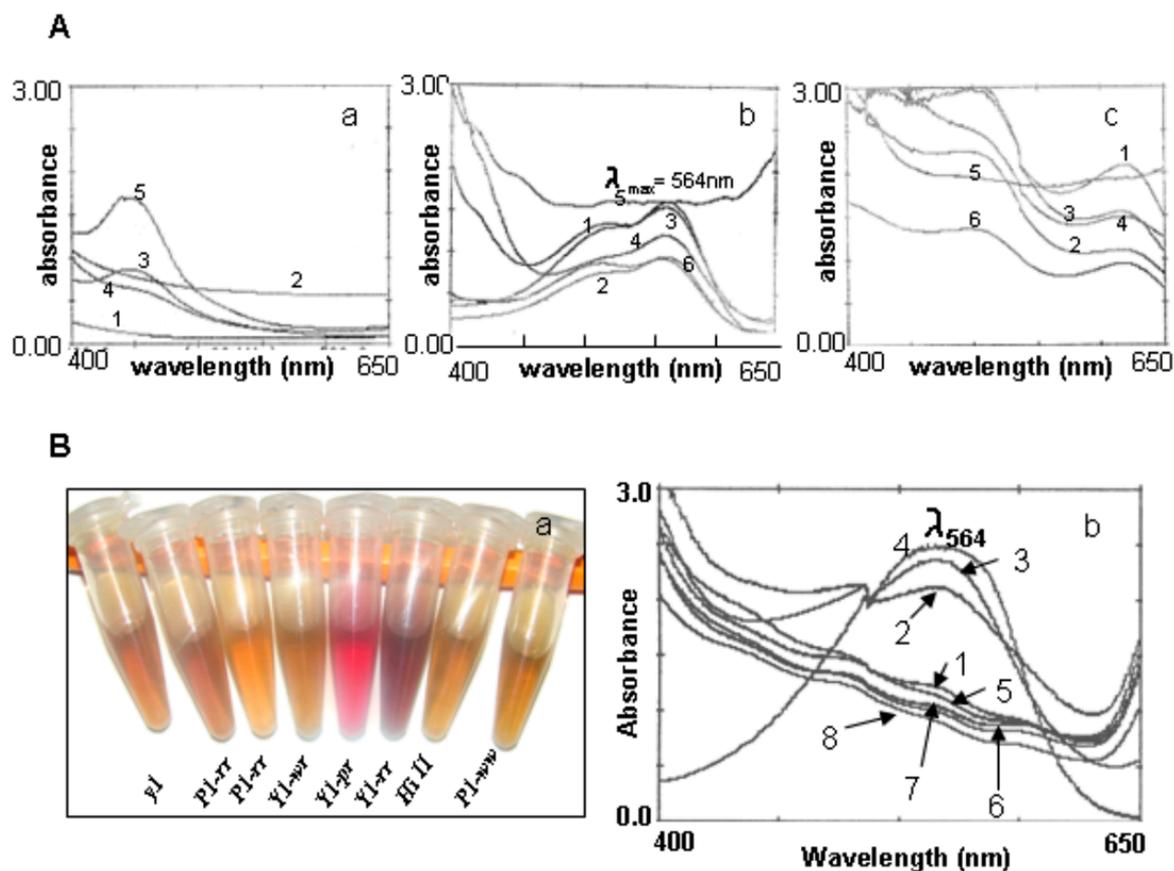


Figure S1. Spectral analysis of flavonoids from floral and vegetative tissues of transgenic and non-transgenic maize plants. **(A)** Spectral analysis of acidic-butanol extracts from sibling maize plants segregating for either the absence (a) or the presence (b) of *yI* transgene. The absorption maxima at 564 nm were eliminated by boiling confirming the presence of flavan-4-ols (c). Numbers on curves represent extracts prepared from: pericarp (1), cob glumes (2), tassel glumes (3), anthers (4), and mid-rib (5). *PI-rr* Pericarp extract (curve 6) was used as a positive control for flavan-4-ols. **(B)** Spectral analysis of acidic-butanol extracts from mature leaves of transgenic and non transgenic maize plants. Extracts from leaves of standard maize lines expressing native *PI-rr* and *PI-wr* alleles were included for comparison. Leaves were deprived of chlorophyll followed by acidic-butanol assay. The clear extracts were photographed (a) and screened for the presence of flavan-4-ols (b). Curves are for leaf extracts from: 1, *YI-wr*; 2, *YI-rr*; 3, *YI-pr*; 4, *PI-rr* pericarp (positive control for flavan-4-ols); 5, NS; 6, *HiII*; 7, *PI-rr*; and 8, *PI-wr*.