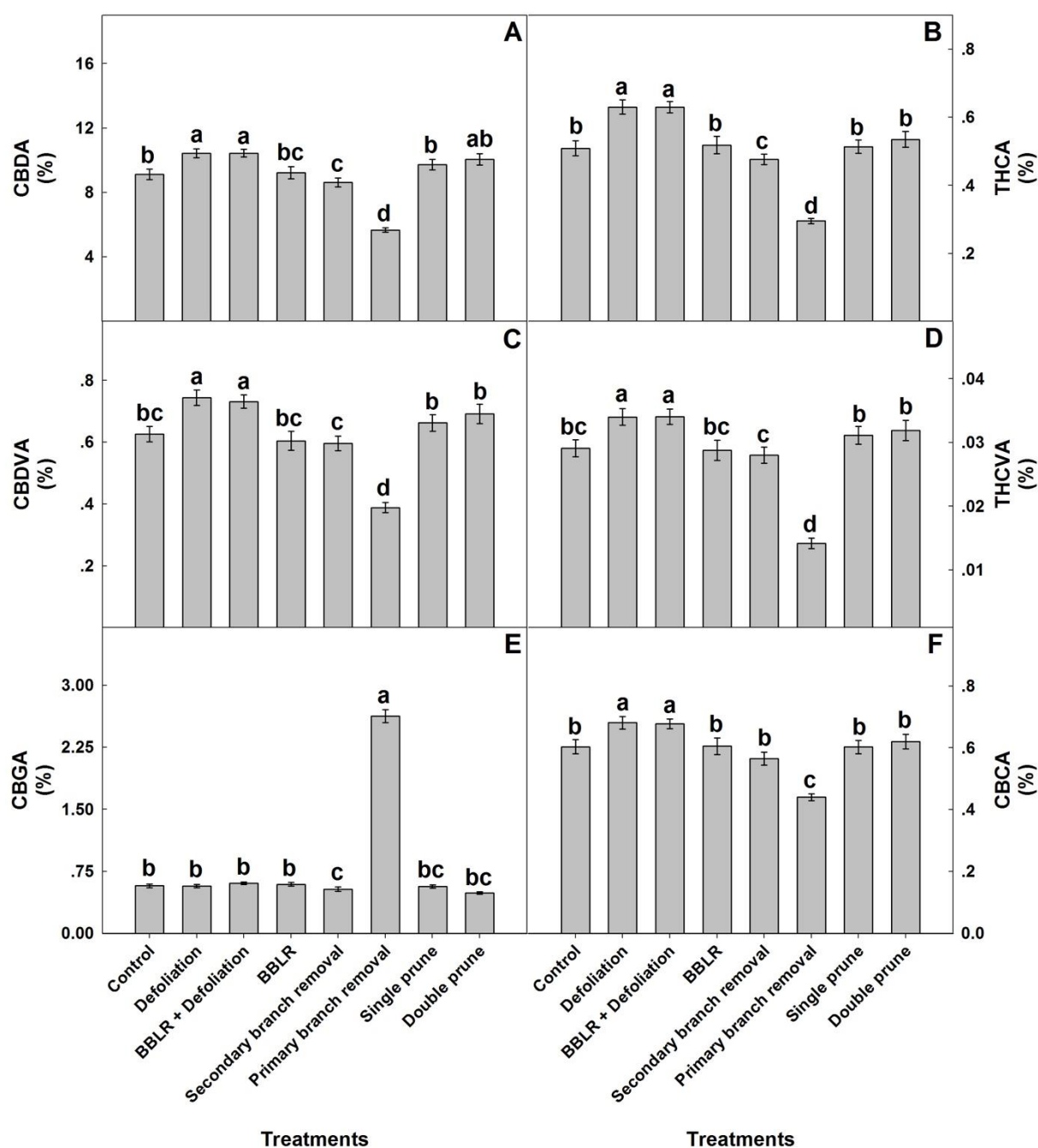# Supplementary material

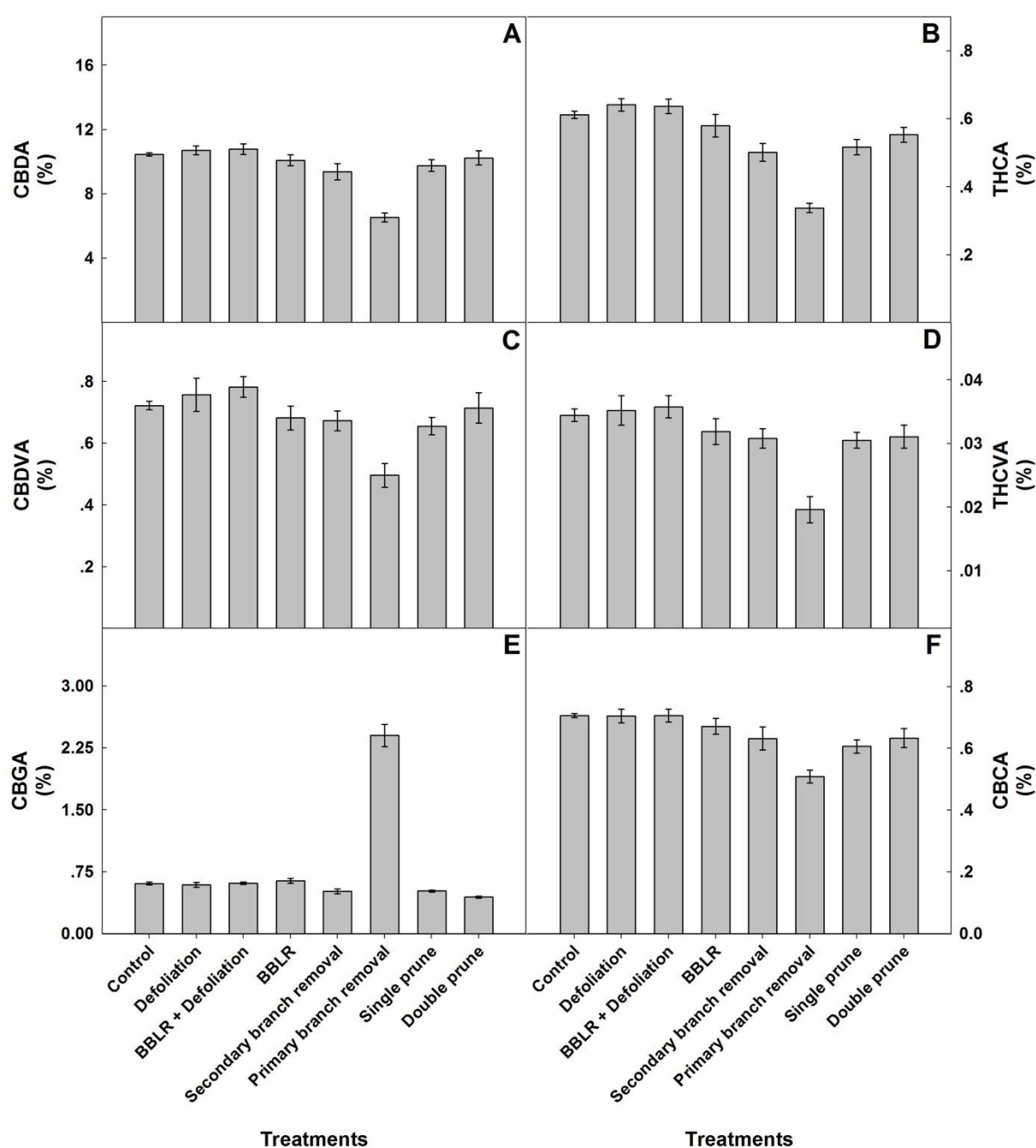# Shape matters: plant architecture affects chemical uniformity in large-size medical cannabis plants

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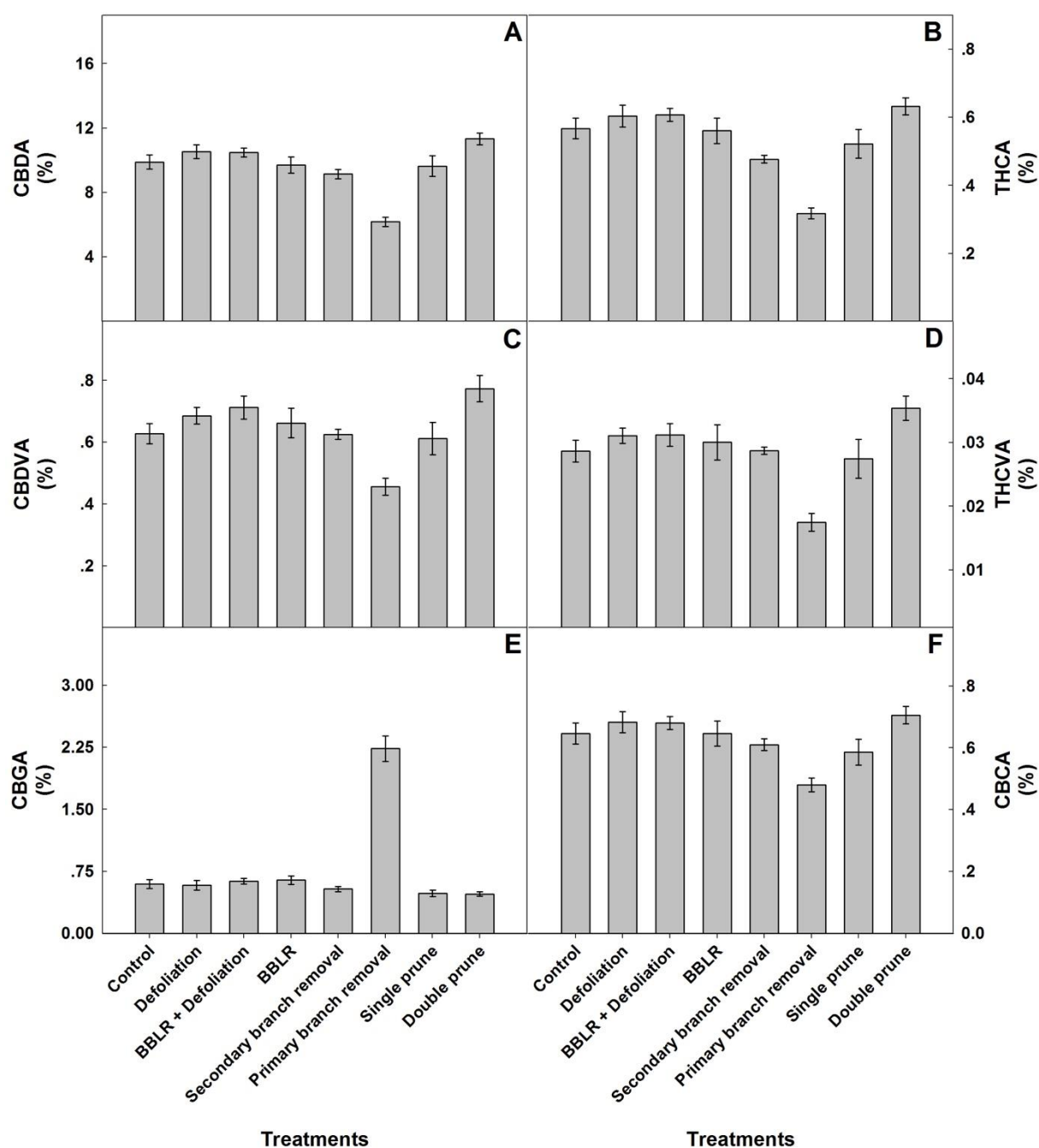P.O.B 15159 Rishon LeZion, 7505101, Israel
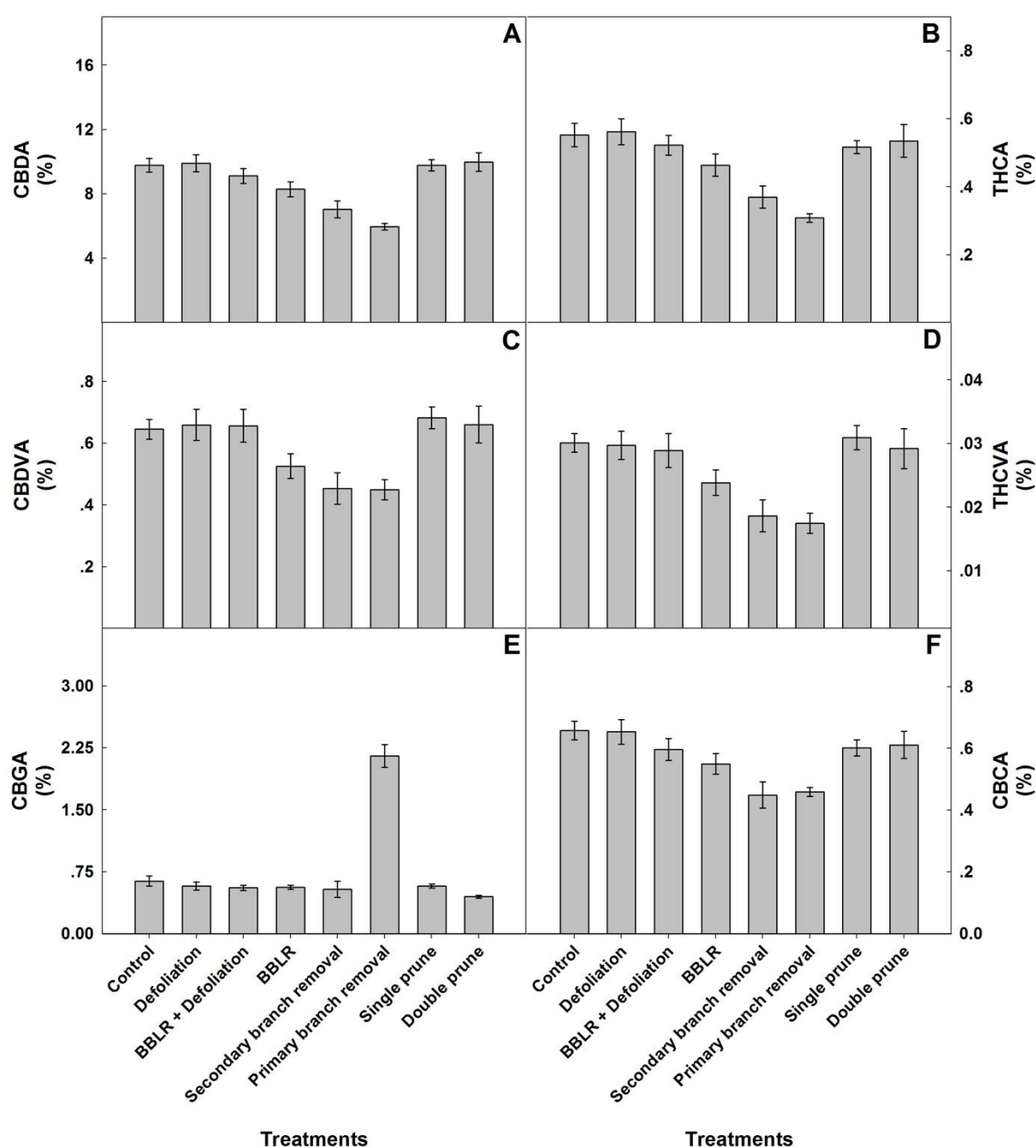
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Figure S1. Impact of plant architecture treatments on cannabinoid concentrations in the **apical inflorescence of the main stem (location 1)** of medical cannabis plants CBDA (A), THCA (B), CBDVA (C), THCVA (D), CBGA (E) and CBCA (F). Data are means ± SE (n=6). Lowercase letters above the bars represent significant differences between treatments by Tukey HSD test at α=0.05.
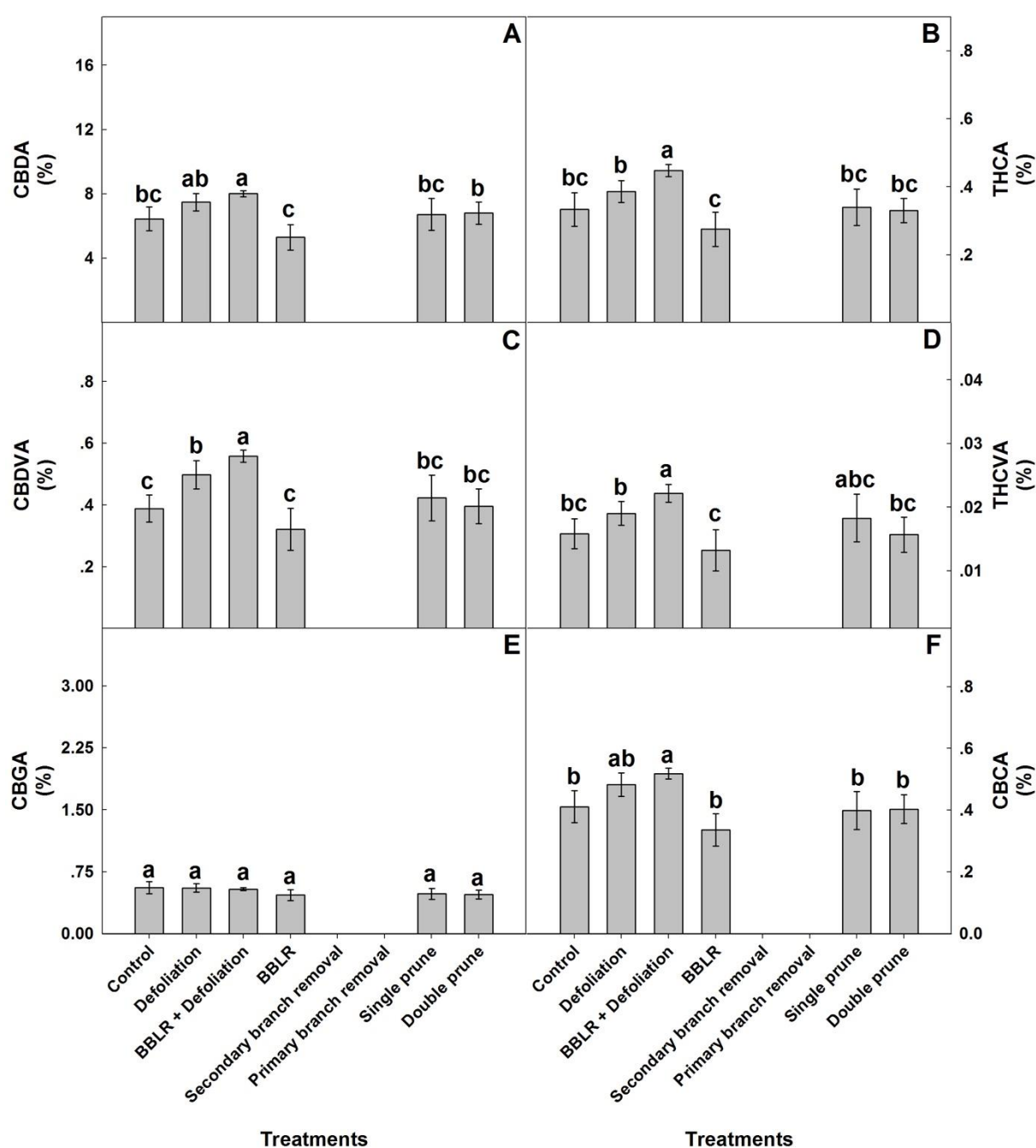
Figure S2. Impact of plant architecture treatments on cannabinoid concentrations at the apical inflorescence from a 1° branch, from the <u>top</u> 1/3 of the plant **(location 2)** of medical cannabis plants CBDA (A), THCA (B), CBDVA (C), THCVA (D), CBGA (E) and CBCA (F). Data are means ± SE (n=6).

Figure S3. Impact of plant architecture treatments on cannabinoid concentrations in an **apical inflorescence of a** 1° branch from the <u>bottom</u> 1/3 of the plant (**location 3**) of medical cannabis plants CBDA (A), THCA (B), CBDVA (C), THCVA (D), CBGA (E) and CBCA (F). Data are means ± SE (n=6).

Figure S4. Impact of plant architecture treatments on cannabinoid concentrations in an **axillary inflorescence close to the stem from an upper branch (location 4)** of medical cannabis plants CBDA (A), THCA (B), CBDVA (C), THCVA (D), CBGA (E) and CBCA (F). Data are means ± SE (n=6).

Figure S5. Impact of plant architecture treatments on cannabinoid concentrations in an **axillary inflorescence close to the stem, from the bottom of the plant (location 5)** of medical cannabis plants CBDA (A), THCA (B), CBDVA (C), THCVA (D), CBGA (E) and CBCA (F). Data are means ± SE (n=6). Lowercase letters above the bars represent significant differences between treatments by Tukey HSD test at α=0.05.