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Cannabinoids function in defense against chewing herbivores in *Cannabis sativa* L.

SUPPLEMENTARY FIGURE & TABLE

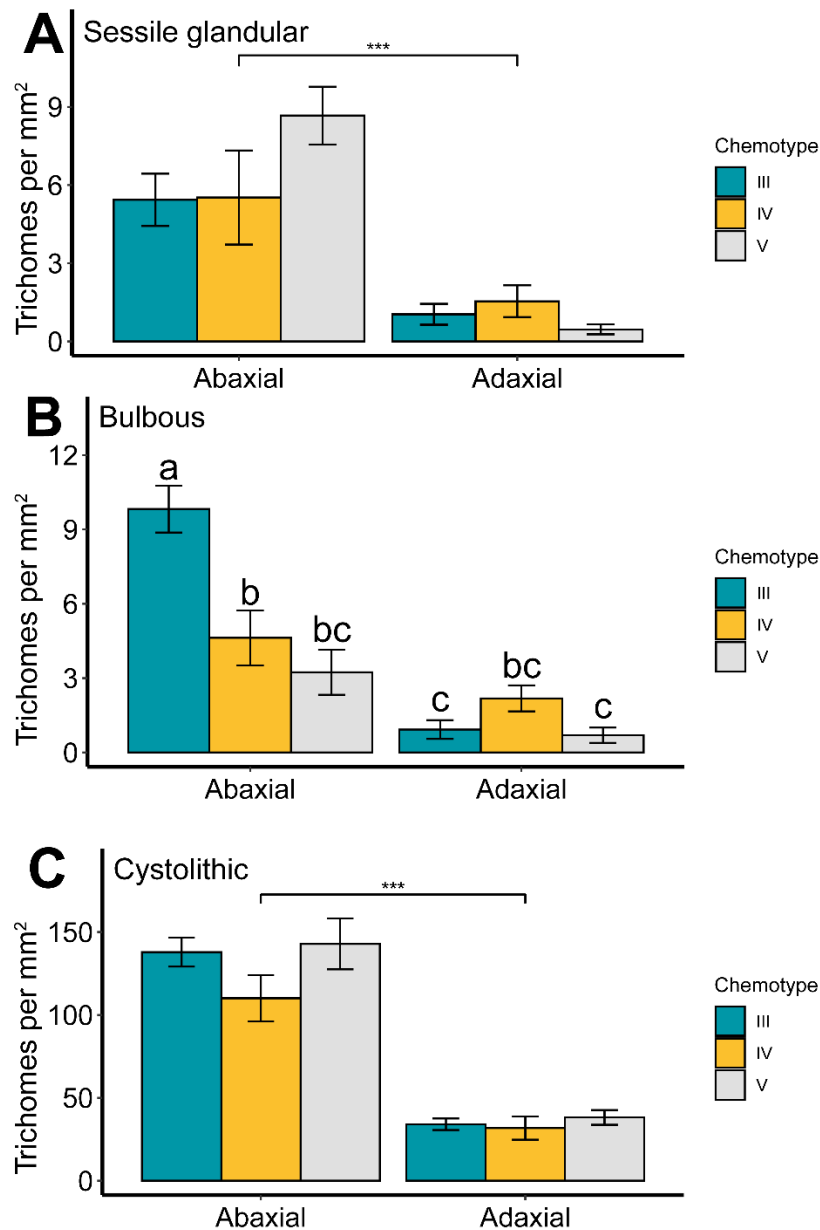


Figure S1. Mean trichome count data on abaxial and adaxial leaf surfaces from representative plants of three cannabinoid chemotypes in a segregating F_2 population of *C. sativa*. Panels depict (A) Sessile glandular trichomes, (B) bulbous trichomes, and (C) cystolithic trichomes. Bars indicate means and error bars indicate standard error. Brackets indicate significant differences (***, $p < 0.001$) between abaxial and adaxial leaf surfaces and letters indicate pairwise differences between chemotype-surface combinations from a Tukey's HSD analysis.

A**B****C**

Figure S2. Images of CBD-dominant and cannabinoid-free plants in the Ithaca field site on July 21, 2021. (A) CBD-dominant individual adjacent to a cannabinoid-free individual. (B) Fully defoliated cutting of cannabinoid-free genotype GVA-H-20-1119-062. (C) Cutting of CBD-dominant genotype GVA-H-20-1119-034.

Table S1. Primer sequences for PACE assays used to report alleles at the *B* and *O* loci.

	Sequence (5' to 3')	Description
CH-USO31-IV-1-FAM	GAAGGTGACCAAGTTCATGCTCTCA ATTATAGAGACCTTGATATAG	WT <i>CBDAS</i>
CH-USO31-IV-1-HEX	GAAGGTCTGGAGTCAACGGATTCTCA ATTATAGAGACCTTGATATAA	'USO-31' <i>CBDAS</i>
CH-USO31-IV-1-Common	CCAGGGTTTTCACTTTTACTAGC	Common
CH-OLS-V-1-FAM	GAAGGTGACCAAGTTCATGCTCGCT AAGCTTCTCGGACTC	WT <i>OLS</i>
CH-OLS-V-1-HEX	GAAGGTCTGGAGTCAACGGATTCTCGCT AAGCTTCTCGGACTG	'USO-31' <i>OLS</i>
CH-OLS-V-1-Common	GGCAATGCGTAGAACGGTTC	Common