**Supplementary Table 1.** Moderation of cannabis use and DSM-5 CUD symptom count by trauma exposure and frequency of religious service attendance among EA participants, model 2 results. Model 2 includes the following covariates: age, sex, birth cohort, PCs1-3, PRS\*trauma/frequency of service attendance, PRS\*age, PRS\*sex, PRS\*PCs1-3, trauma/frequency of service attendance\*age, trauma/frequency of service attendance\*sex, trauma\*PCs1-3. Boldface indicates estimates with p-value<0.05.

**Supplementary Table 2.** Main effects of Polygenic Risk Scores on cannabis use and DSM-5 cannabis use disorder symptom count in COGA participants of African ancestry

Footnote: Polygenic risk scores are derived from Pasman cannabis initiation GWAS4 summary statistics. Covariates include sex, birth cohort, PCs1-3

**Supplemental Table 3.** Traumatic exposures included in the SSAGA-IV