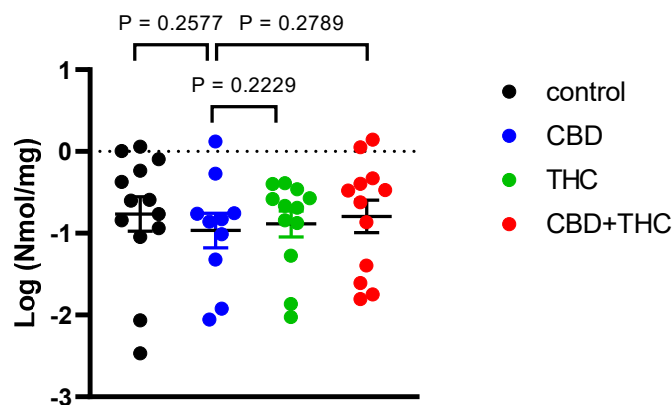


Supplementary Materials



Supplementary Figure S1. Bar plots showing the concentration of total BAs in faeces of cannabinoid treated KPC mice. The data were log-transformed and presented as mean $\pm$ SEM. The data analysis was performed using GraphPad Prism. The Mann-Whitney test was used to evaluate the differences in the BAs profile within treatment groups.

Supplementary Table S1. Descriptive statistics of KPC mice treated with cannabinoids.

Parameters	Treatments			
	Control	CBD	THC	CBD + THC
Number of animals per group	18	16	16	17
25% percentile	25	44.25	28.75	22.00
Median	47.00	82.50	60.00	45.00
75% percentile	71.50	117.8	88.50	85.50
Mean	50.72	83.56	58.19	56.53

Supplementary Table S2. Correlation between circulating bile acids levels and survival days in control and THC-treated KPC mice

Bile acid	Spearman r	P-value
TCA	-0.06667	0.4326
CA	-0.1563	0.3335
TUDCA	0.3755	0.1437
DCA	0.7254	0.0229*
β MCA	-0.006465	0.5000
TDCA	-0.3497	0.1616
T ω MCA	0.04242	0.4592
TCDCA	-0.02048	0.4810
Total bile acids	-0.1030	0.3925

Supplementary Table S3. Correlation between circulating BAs levels and survival days in control and CBD-treated KPC mice

Bile acid	Spearman r	P-value
TCA	-0.6930	0.0156*
CA	-0.2523	0.2400
TUDCA	-0.4165	0.12222
DCA	0.1944	0.2914
β MCA	-0.3199	0.1819
TDCA	-0.6956	0.0153*
T ω MCA	-0.3830	0.1365
TCDCA	-0.4165	0.1222
Total bile acids	-0.7781	0.0054*

Supplementary Table S4. Correlation between circulating BAs levels and survival days in CBD and THC-treated KPC mice

Bile acid	Spearman r	P-value
TCA	-0.8545	0.0014*
CA	-0.2909	0.2072
TUDCA	0.2335	0.3111
DCA	-0.07511	0.4190
β MCA	-0.3356	0.1806
TDCA	-0.6623	0.0212*
T ω MCA	-0.8424	0.0019*
TCDCA	-0.4930	0.0889
Total bile acids	-0.8424	0.0019*

Supplementary Table S5. Correlation between circulating BAs levels and survival days in control and CBD+THC-treated KPC mice

Bile acid	Spearman r	P-value
TCA	0.006061	0.5000
CA	-0.3439	0.1653
TUDCA	0.4250	0.1139
DCA	0.5878	0.0390*
β MCA	-0.1313	0.3606
TDCA	0.08129	0.4124
T ω MCA	0.05455	0.4458
TCDCA	0.2253	0.2647
Total bile acids	0.006061	0.5000

Supplementary Table S6. Correlation between circulating BAs levels and survival days in CBD and CBD+THC-treated KPC mice

Bile acid	Spearman r	P-value
TCA	-0.4303	0.1091
CA	-0.5625	0.0481*
TUDCA	0.4602	0.2000
DCA	-0.09559	0.3992
β MCA	-0.2595	0.2377
TDCA	0.5000	0.5000
T ω MCA	-0.3818	0.1394
TCDCA	-0.01730	0.4889
Total bile acids	-0.4182	0.1163

Supplementary Table S7. Correlation between circulating Bas levels and survival days in all the treatments (control, CBD, THC and CBD+THC)

Bile acid	Spearman r	P-value
TCA	-0.3949	0.0424*
CA	-0.4061	0.0378*
TUDCA	0.2333	0.1611
DCA	0.3440	0.0688
β MCA	0.1240	-0.2709
TDCA	-0.3399	0.0713
T ω MCA	-0.2813	0.1148
TCDCA	-0.1938	0.2065
Total bile acids	-0.4325	0.0284*