

Figure 1

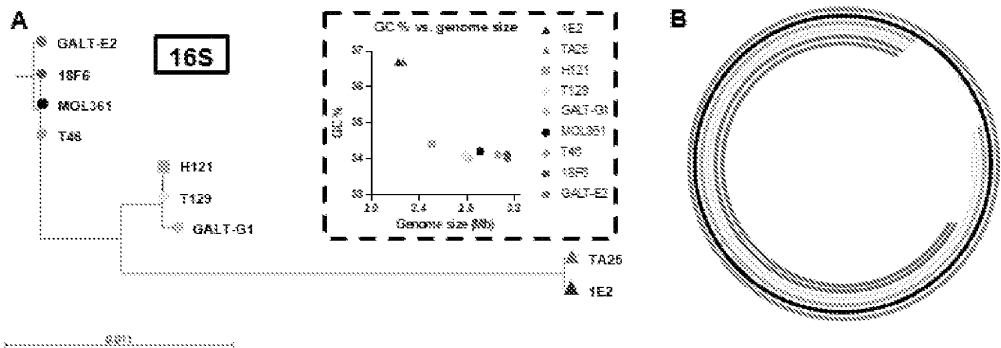


Figure 2

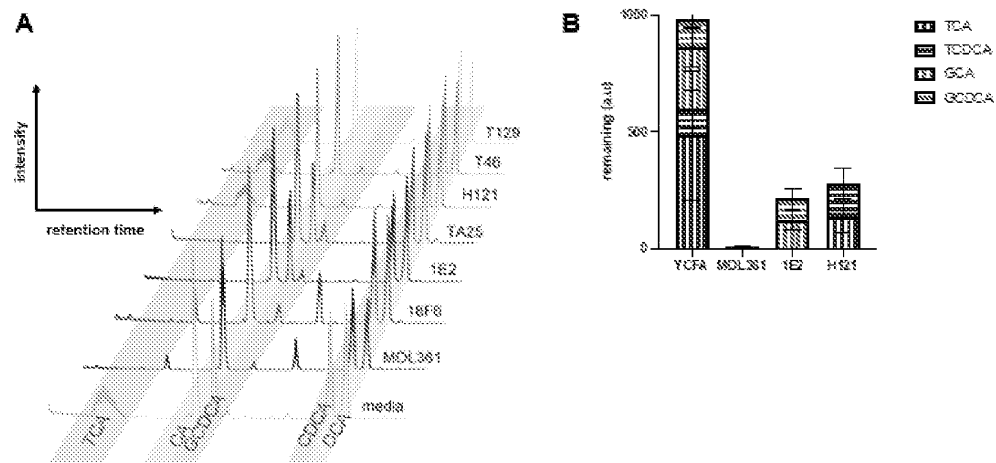


Figure 3

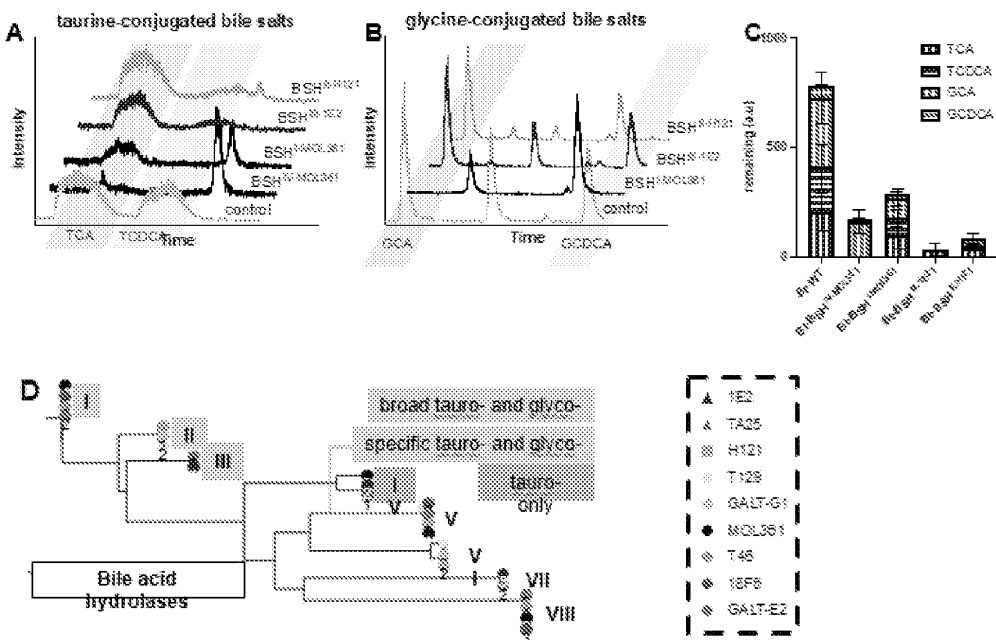


Figure 4

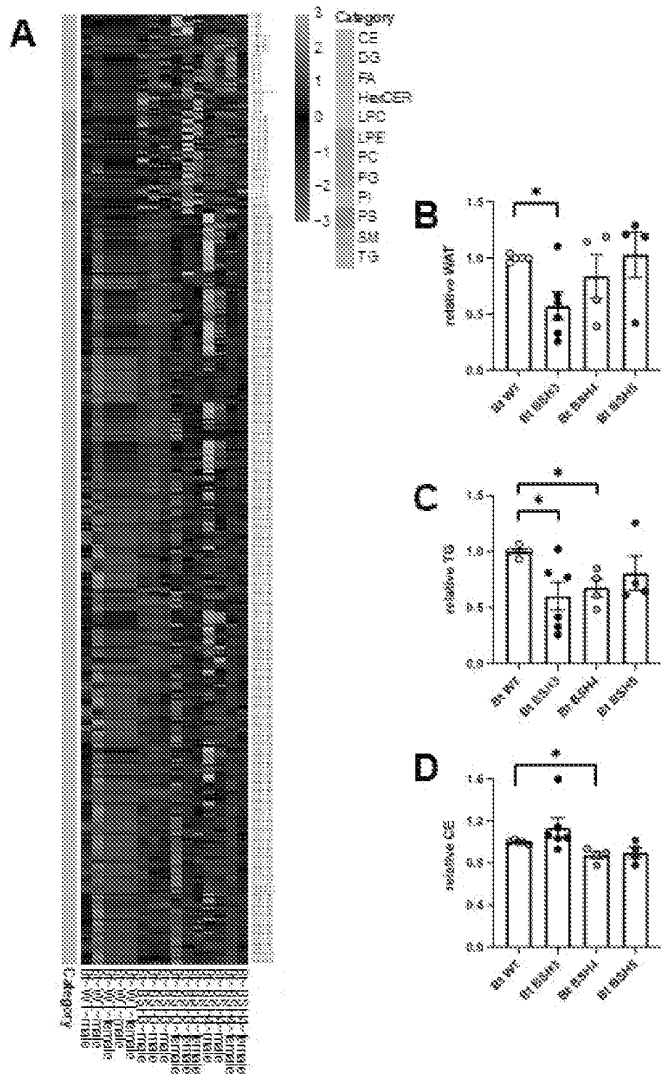


Figure 5

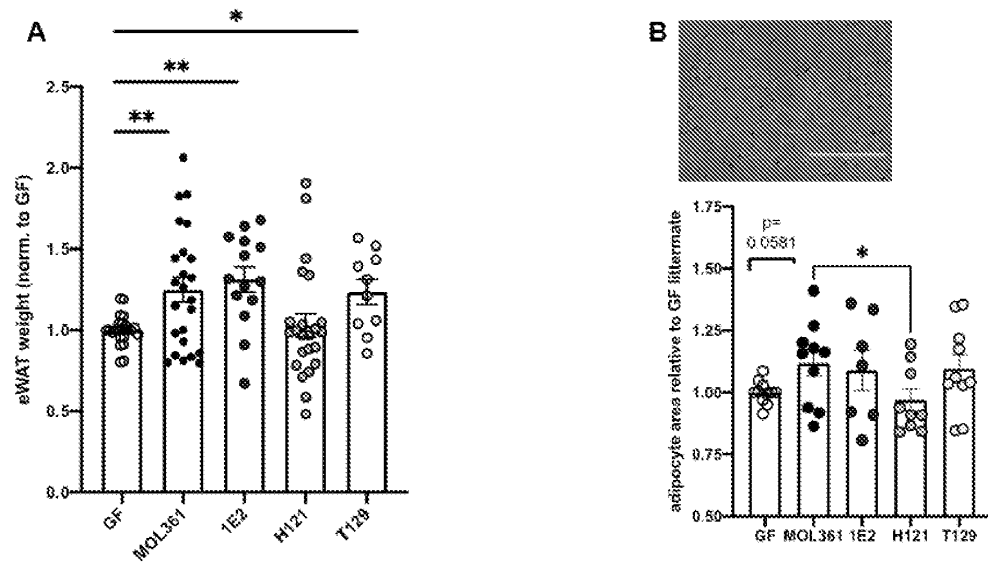


Figure 6

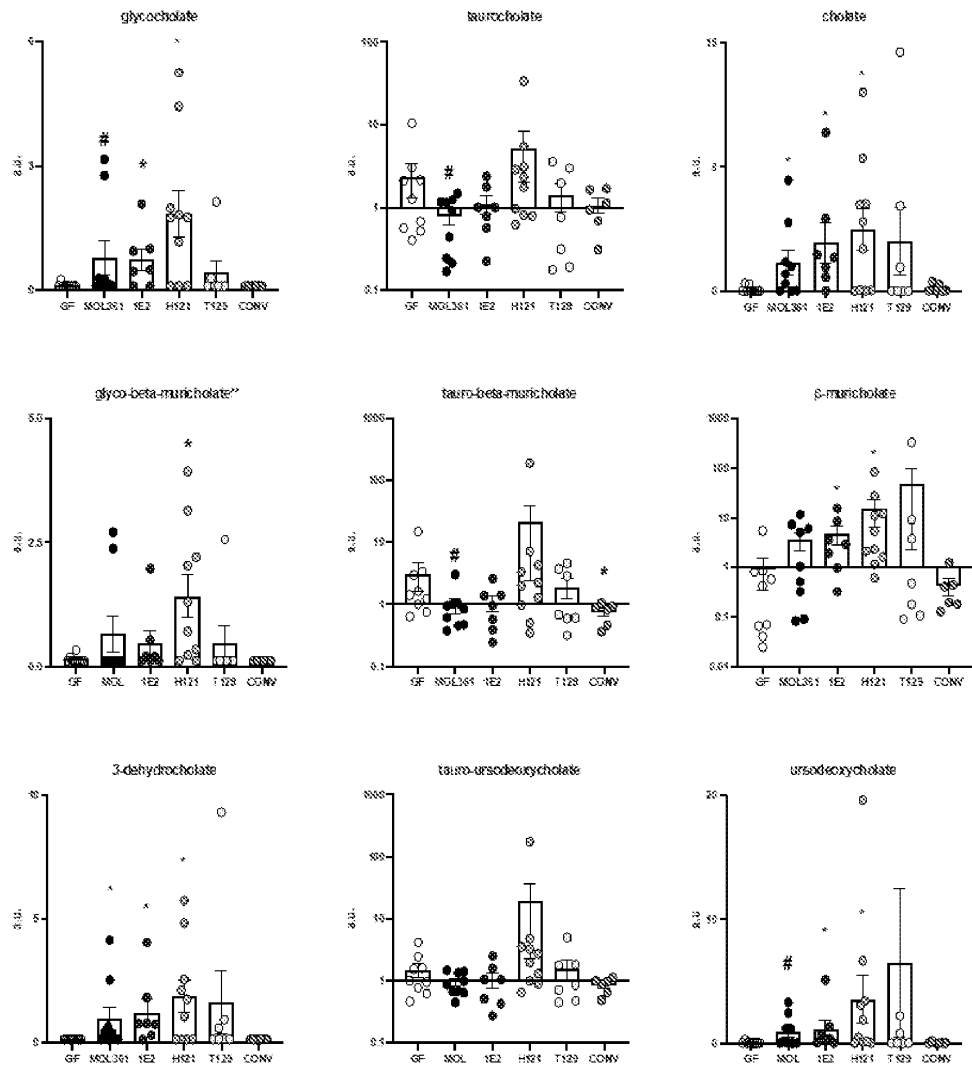


Figure 6 (cont.)

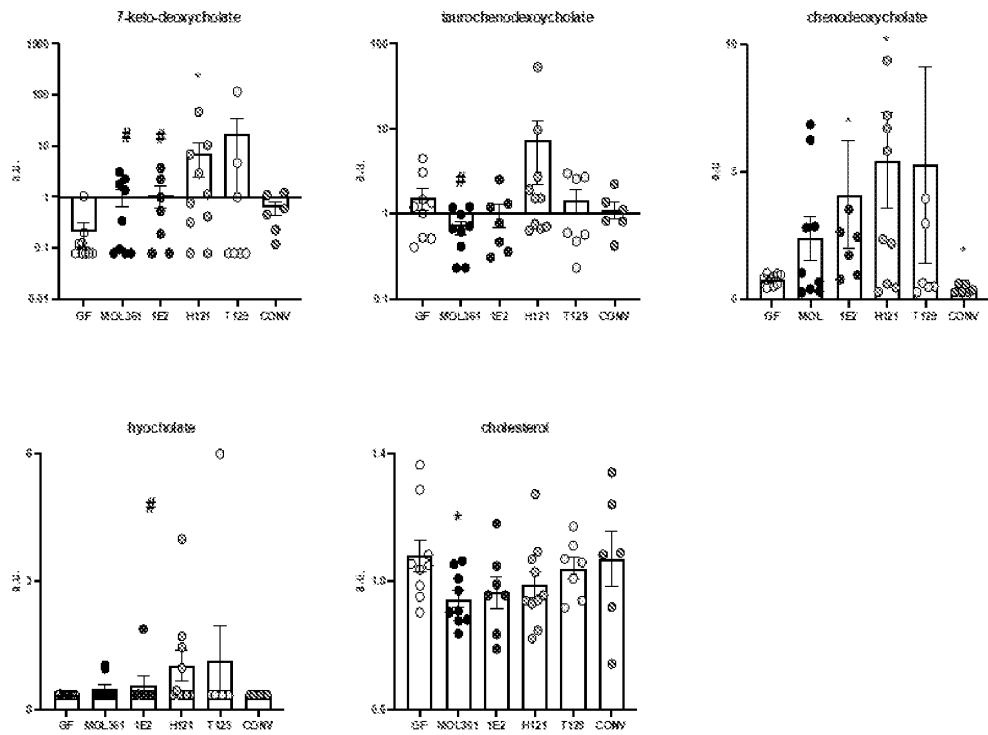


Figure 7

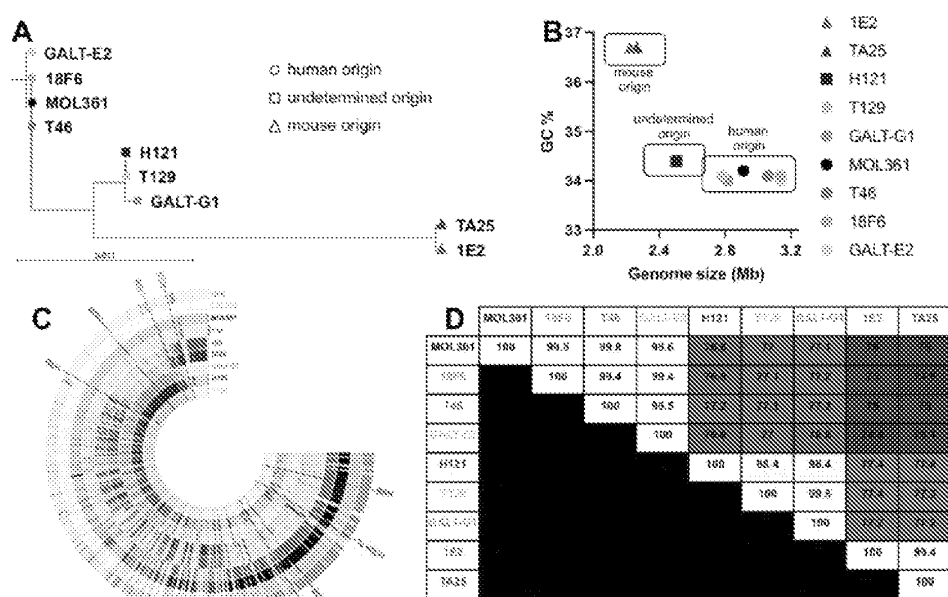
[illegible]

Figure 8

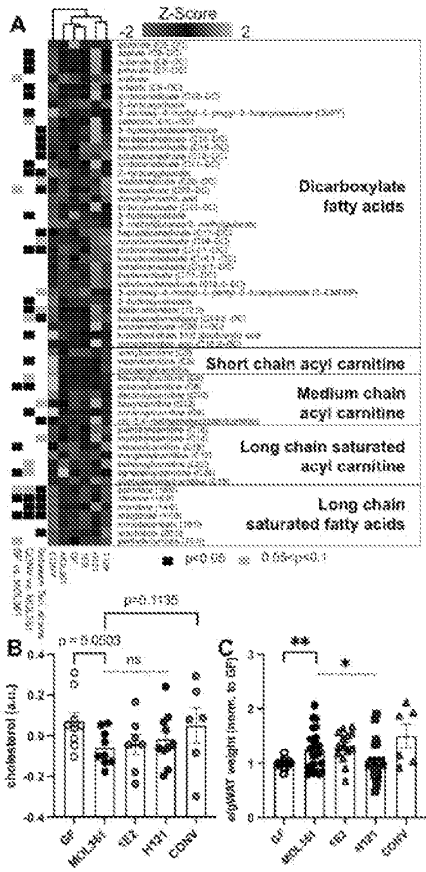


Figure 9

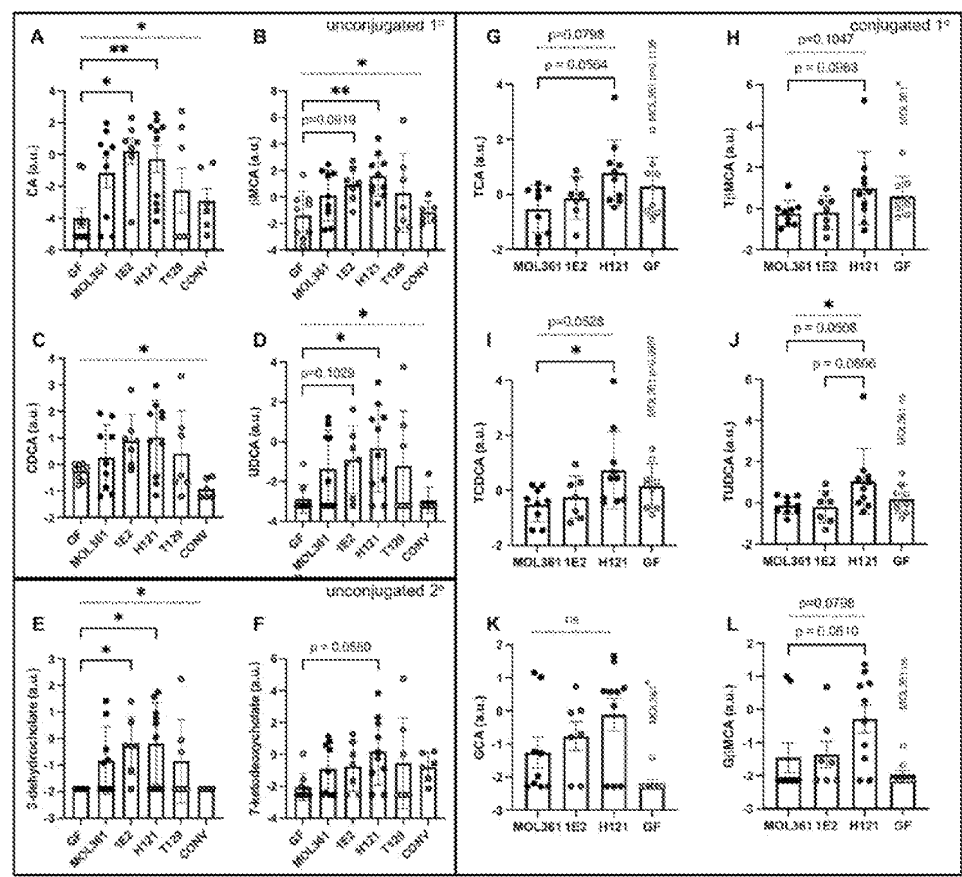


Figure 10

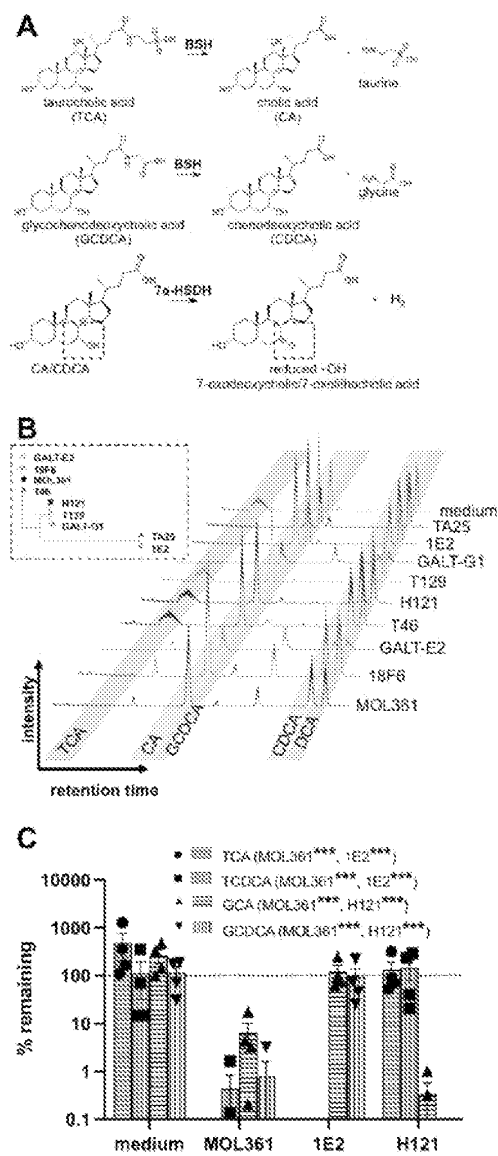


Figure 11

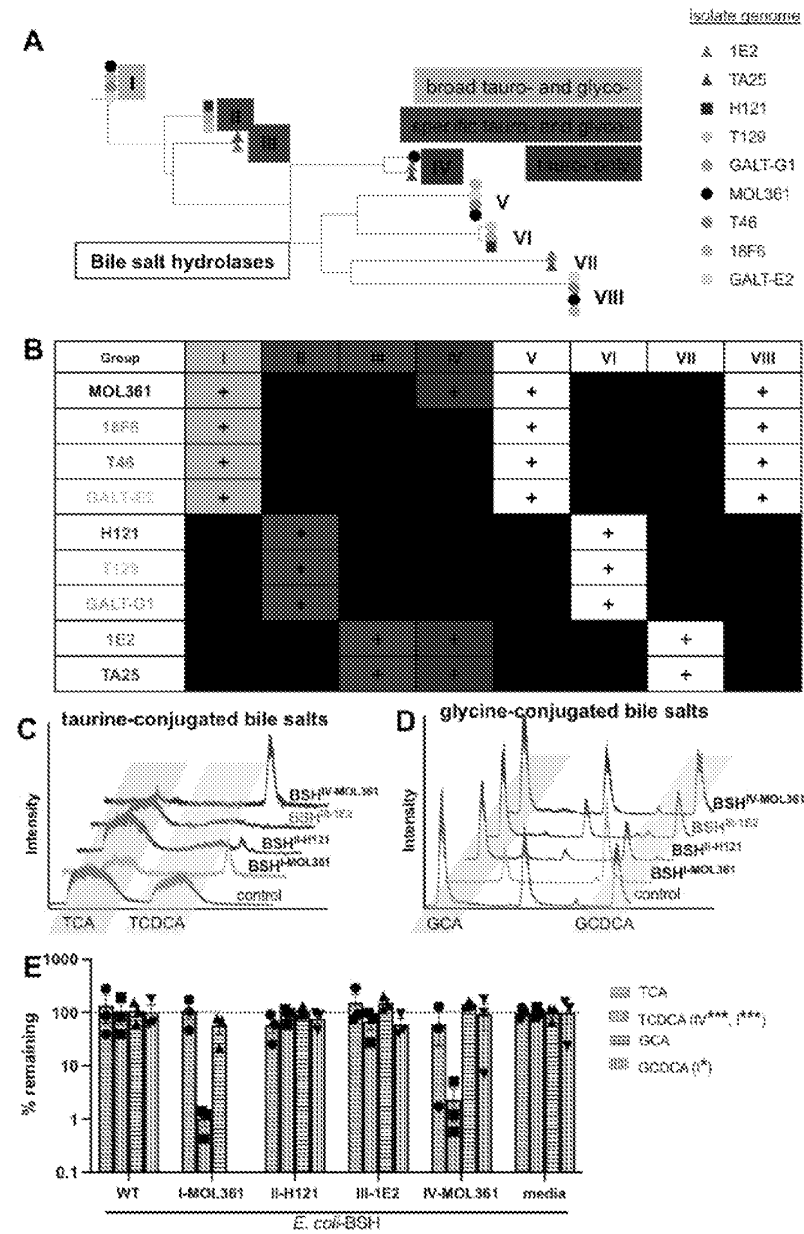


Figure 12

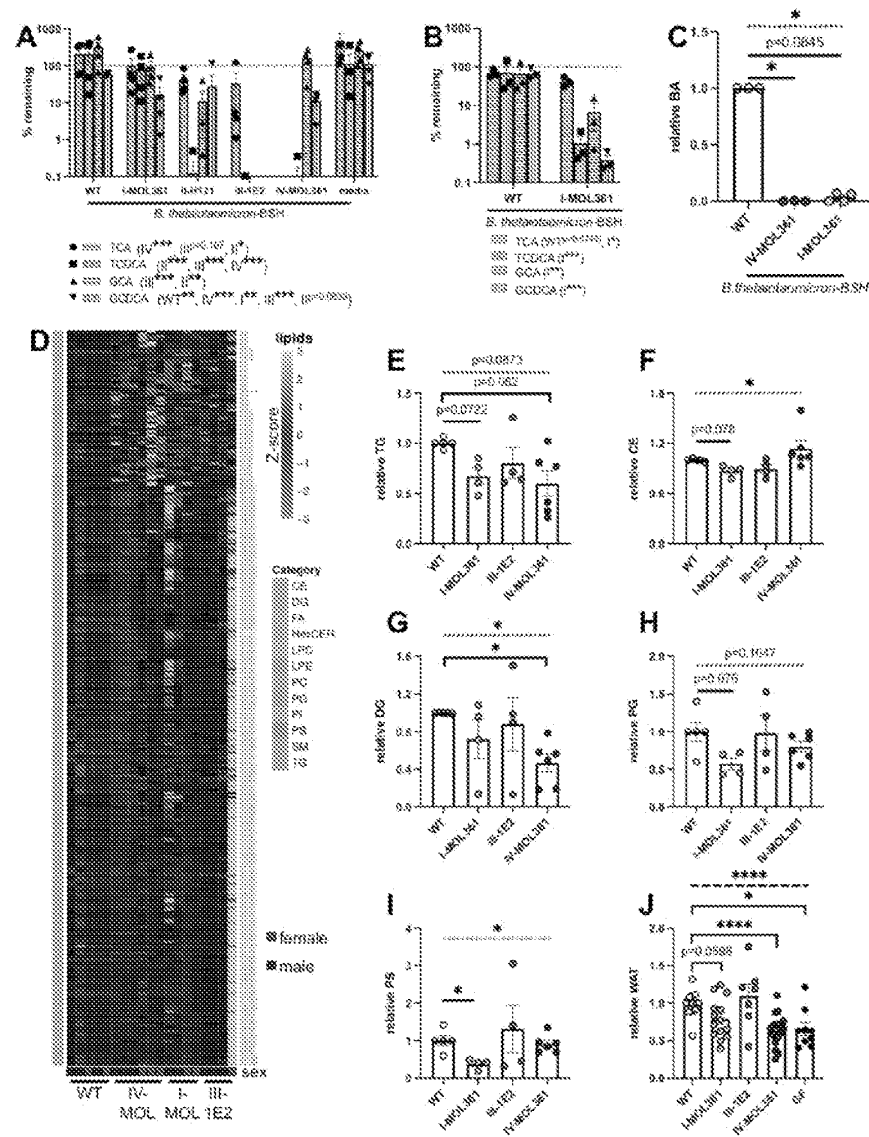


Figure 13

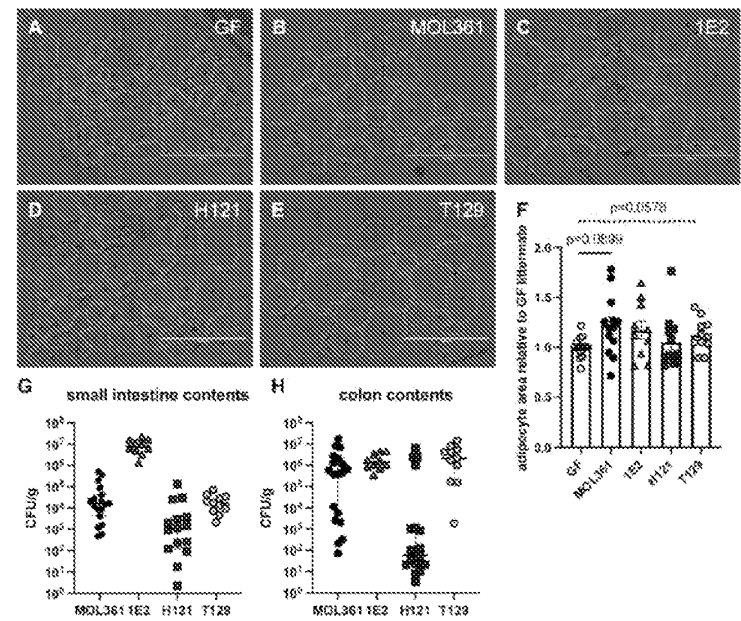


Figure 15

Turicibacter strain	Presence (+) or absence (-) of peak							Deconjugation ability
	TCA	Dehydrogenated CA	CA	GCDCA	Dehydrogenated CDCA	CDCA	DCA	
MOL361	-	+	+	-	+	+	+	Tauro- and glyco-deconjugation; dehydrogenation
18F6	-	+	+	-	+	+	+	
GALT-E2	-	+	+	-	+	+	+	
T46	+	-	+	-	-	+	+	Glyco-deconjugation
H121	+	-	+	-	-	+	+	
T129	+	-	+	-	-	+	+	
GALT-G1	-	-	+	-	+	+	+	Tauro- and glyco-deconjugation; some dehydrogenation
1E2	-	-	+	+	-	+	+	Tauro- deconjugation
TA25	-	-	+	+	-	+	+	

Red = outliers from genomic group

Figure 16

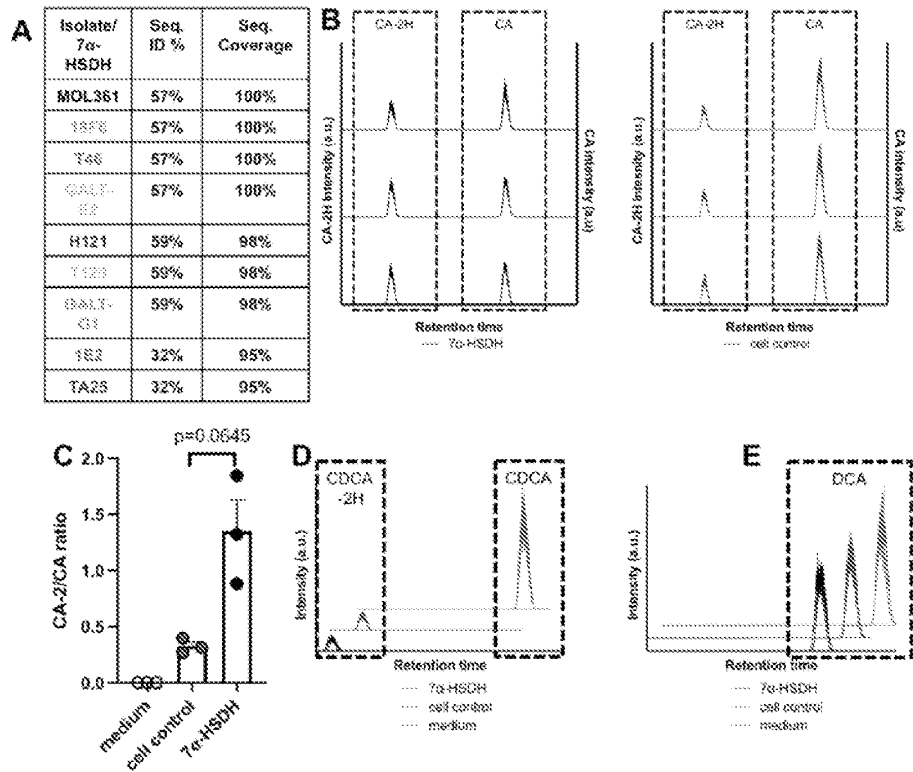


Figure 17

Bile salt hydrolase (<i>bsh</i>) gene	Presence (+) or absence (-) of peak				Deconjugation ability
	TCA	TCDCa	GCA	GCDCA	
I-MOL361	-	-	-	-	Tauro- and glyco- deconjugation
II-H121	+	-	+	-	-CDCA deconjugation
III-1E2	+	-	+	+	TCDCa deconjugation
IV-MOL361	-	-	+	+	Tauro- deconjugation

Figure 18

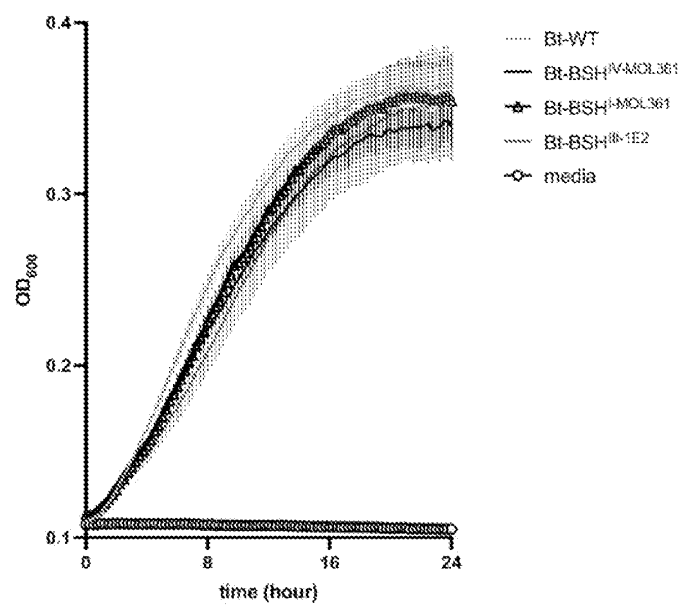


Figure 19

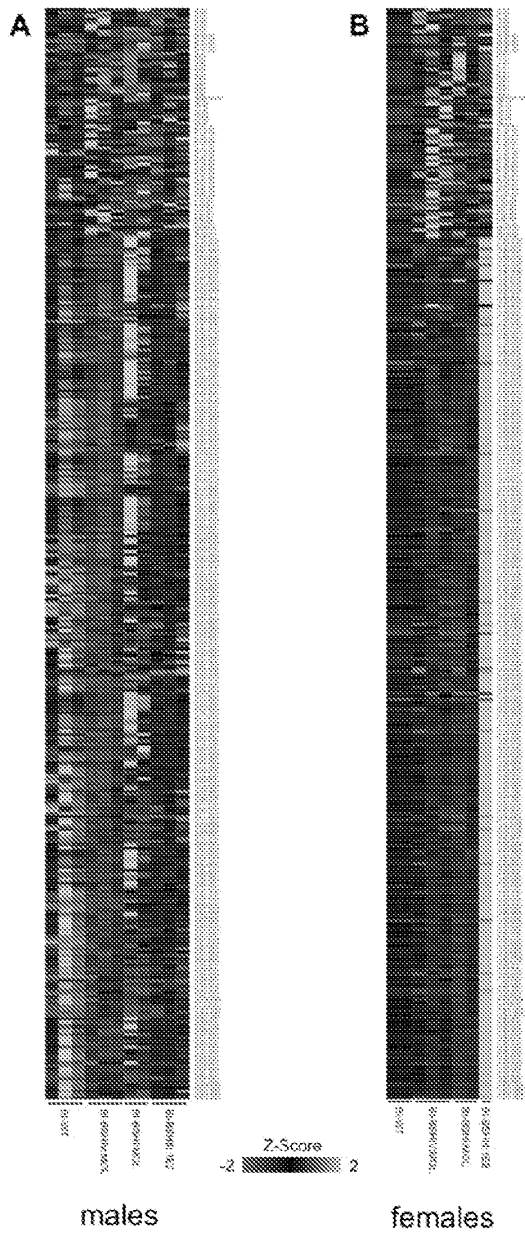


Figure 20

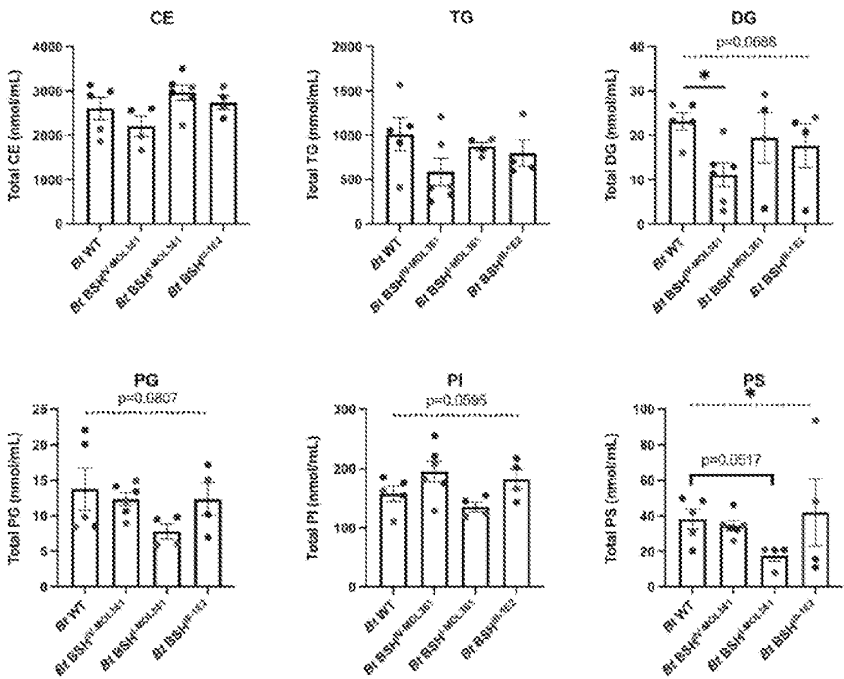


Figure 21

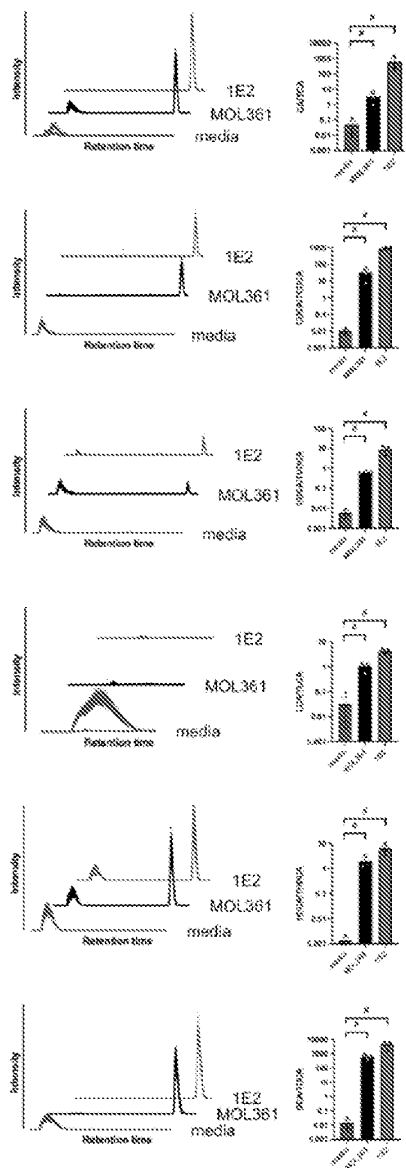
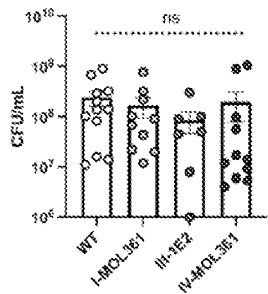
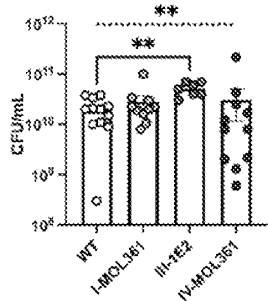


Figure 22

A small intestinal bacterial loads



B cecal bacterial loads



C colon bacterial loads

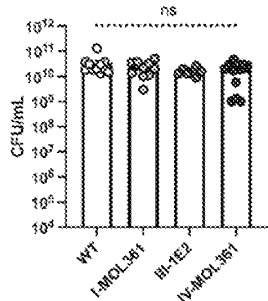


Figure 23

