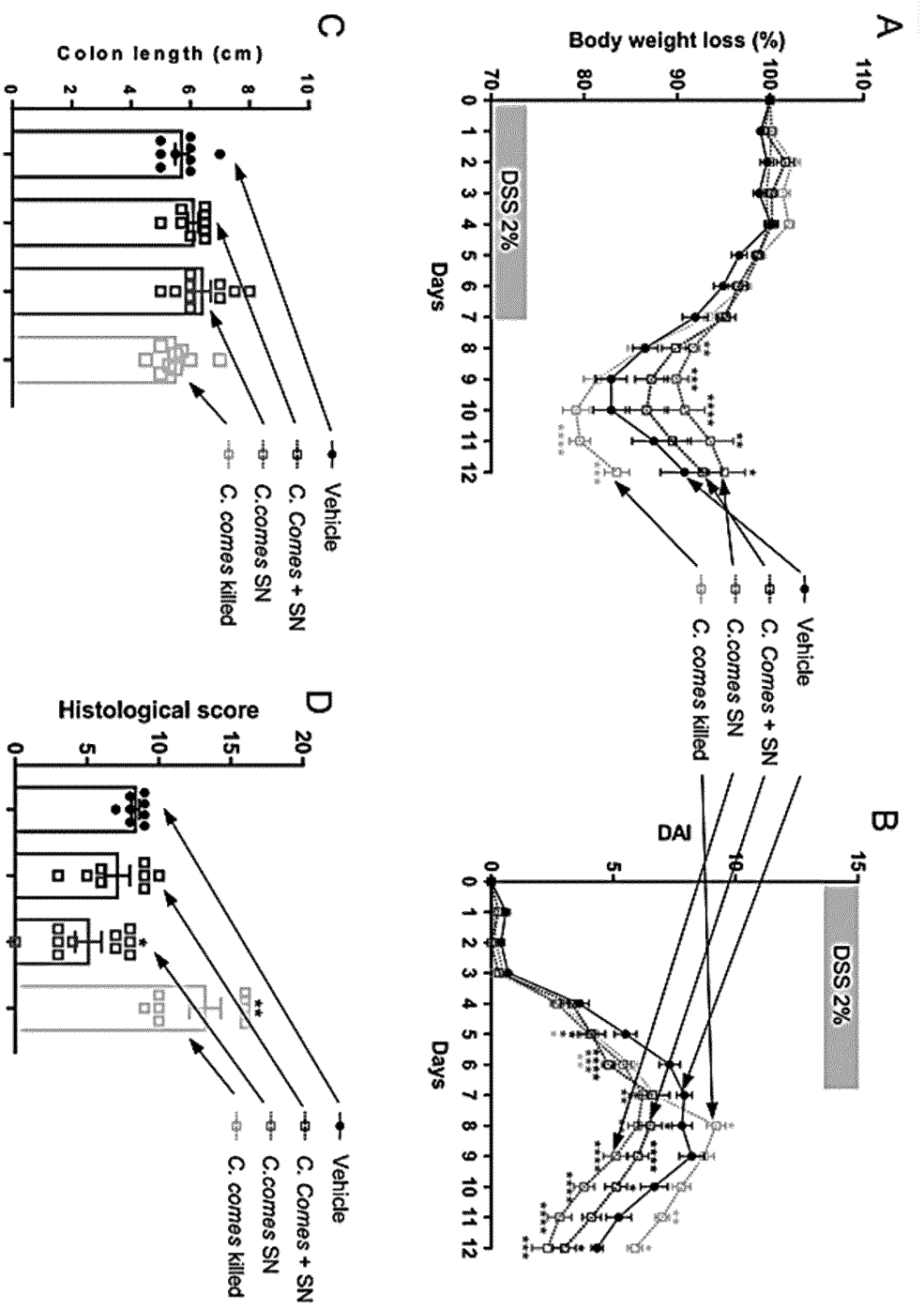

A
Body weight loss (%)
DSS 2%
Days
Vehicle
C. Comes + SN
C.comes SN
C. comes killed
B
DAI
DSS 2%
Days
C
Colon length (cm)
D
Histological score

Figure 1

E

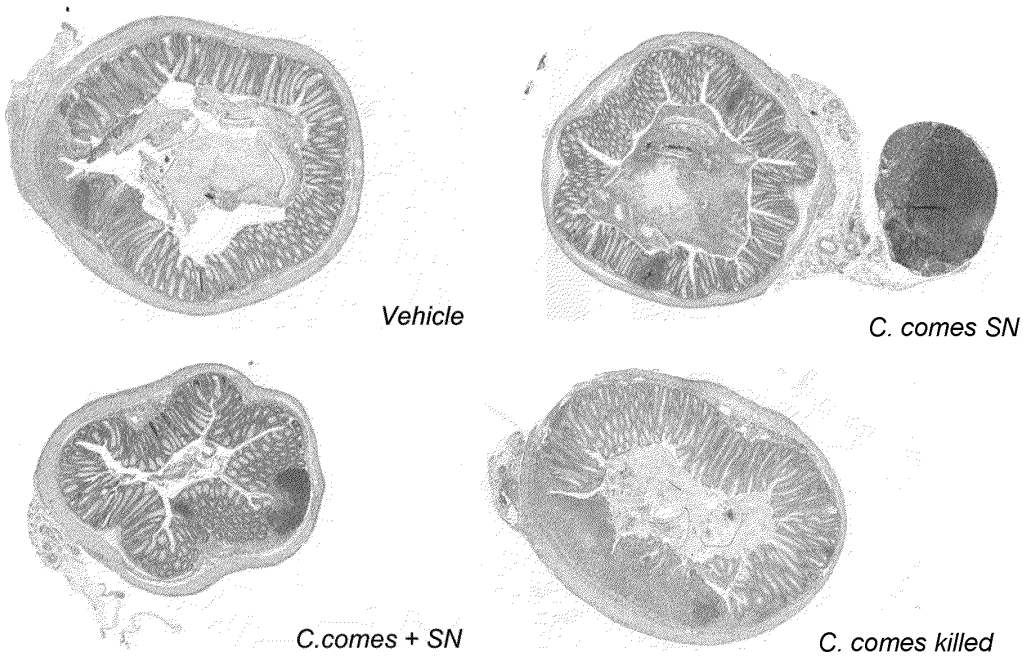


Figure 1 (following)

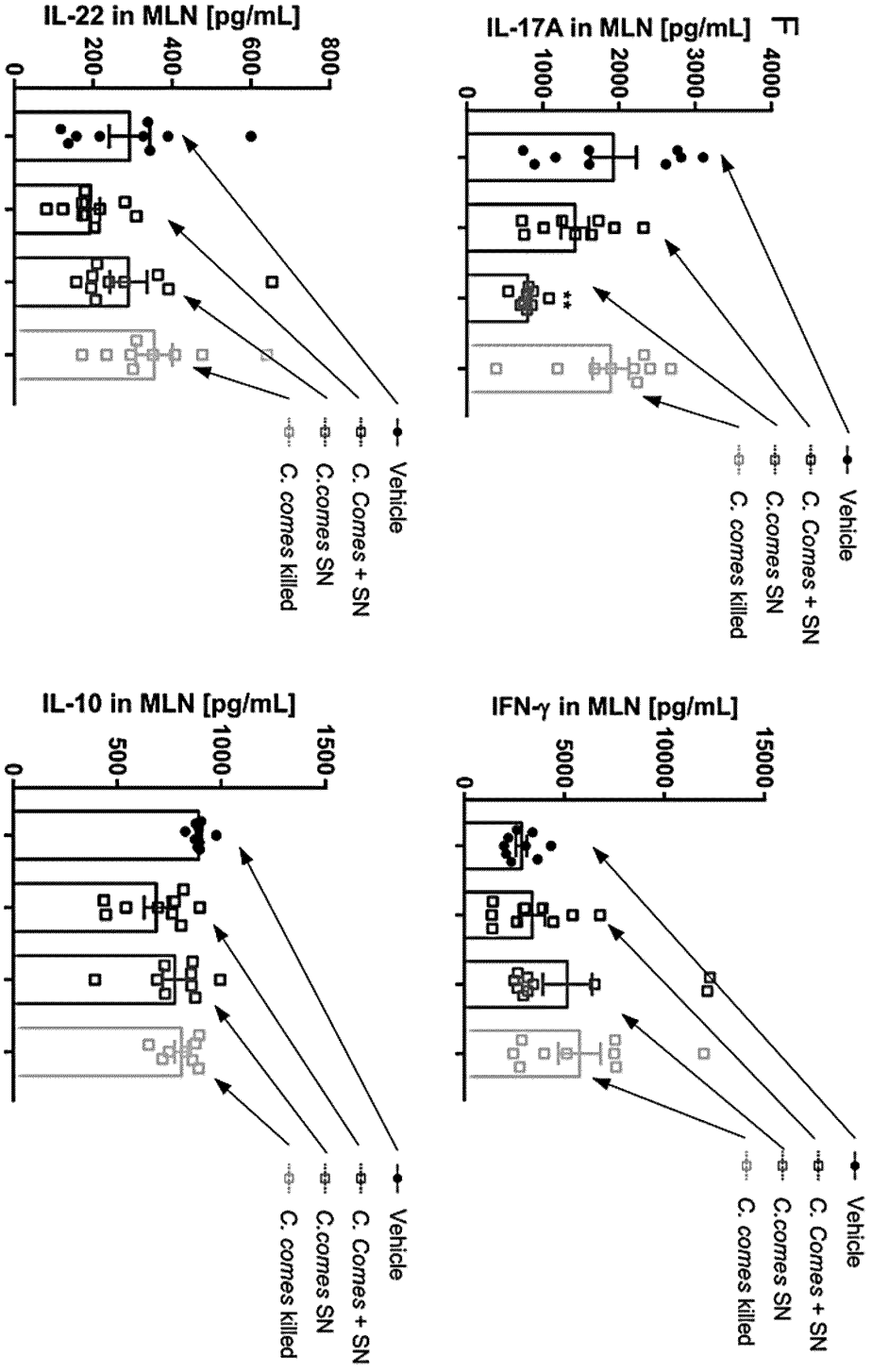


Figure 1 (following)

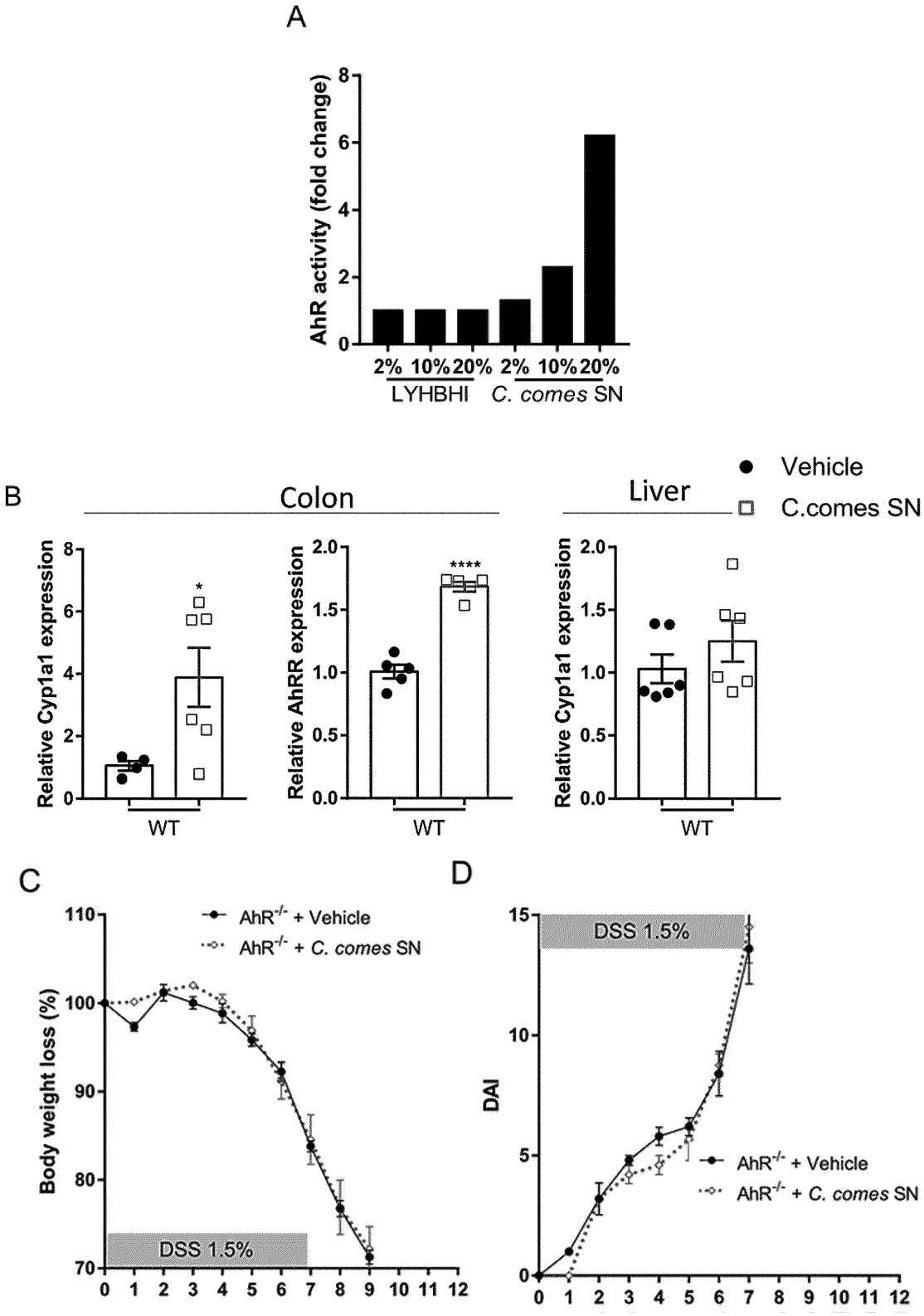

A
AhR activity (fold change)
2% 10% 20% 2% 10% 20%
LYHBHI C. comes SN
B
Colon
Liver
Vehicle
C.comes SN
Relative Cyp1a1 expression
Relative AhRR expression
Relative Cyp1a1 expression
WT
C
D
AhR-/- + Vehicle
AhR-/- + C. comes SN
Body weight loss (%)
DSS 1.5%
DAI

Figure 2

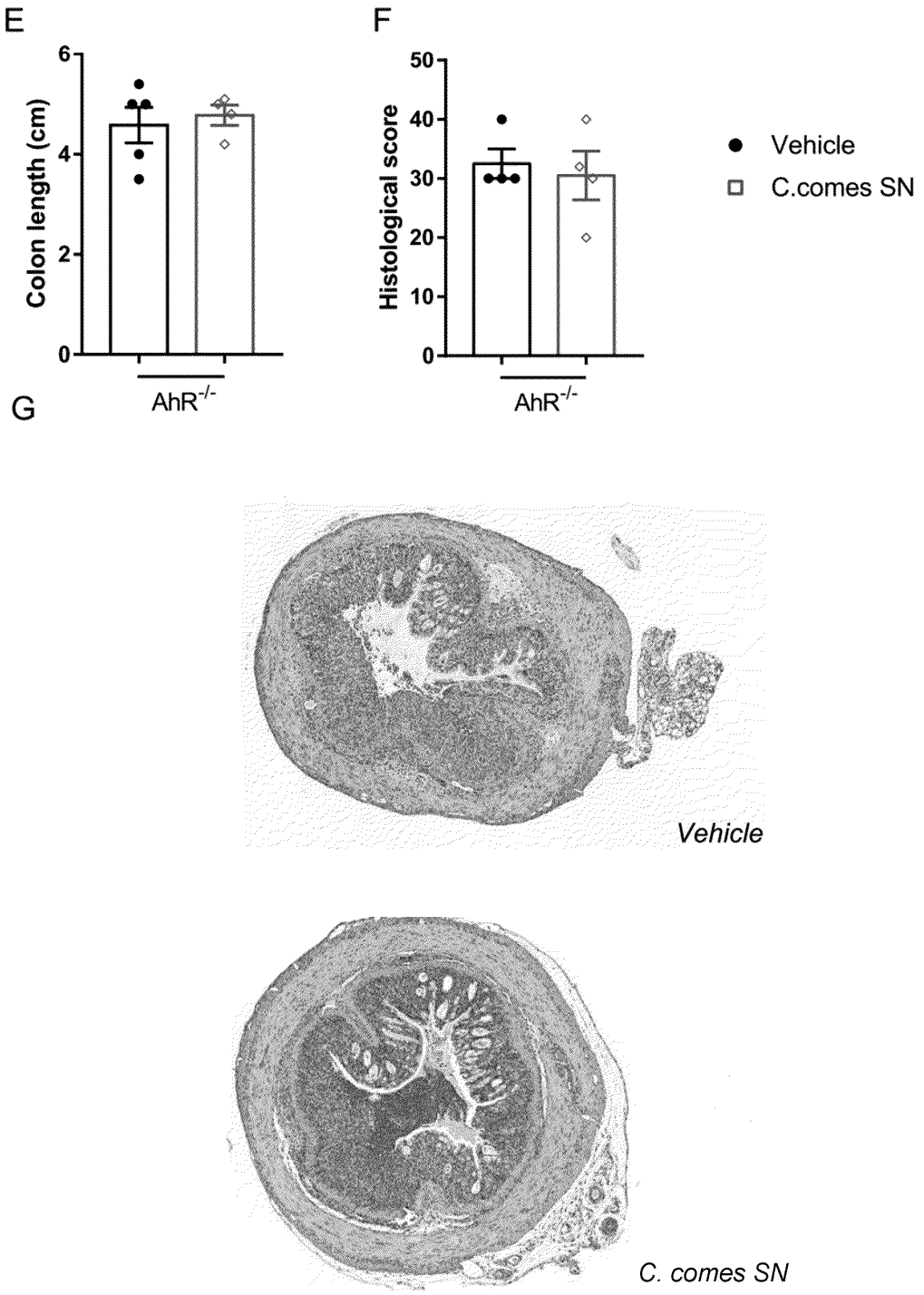


Figure 2 (following)

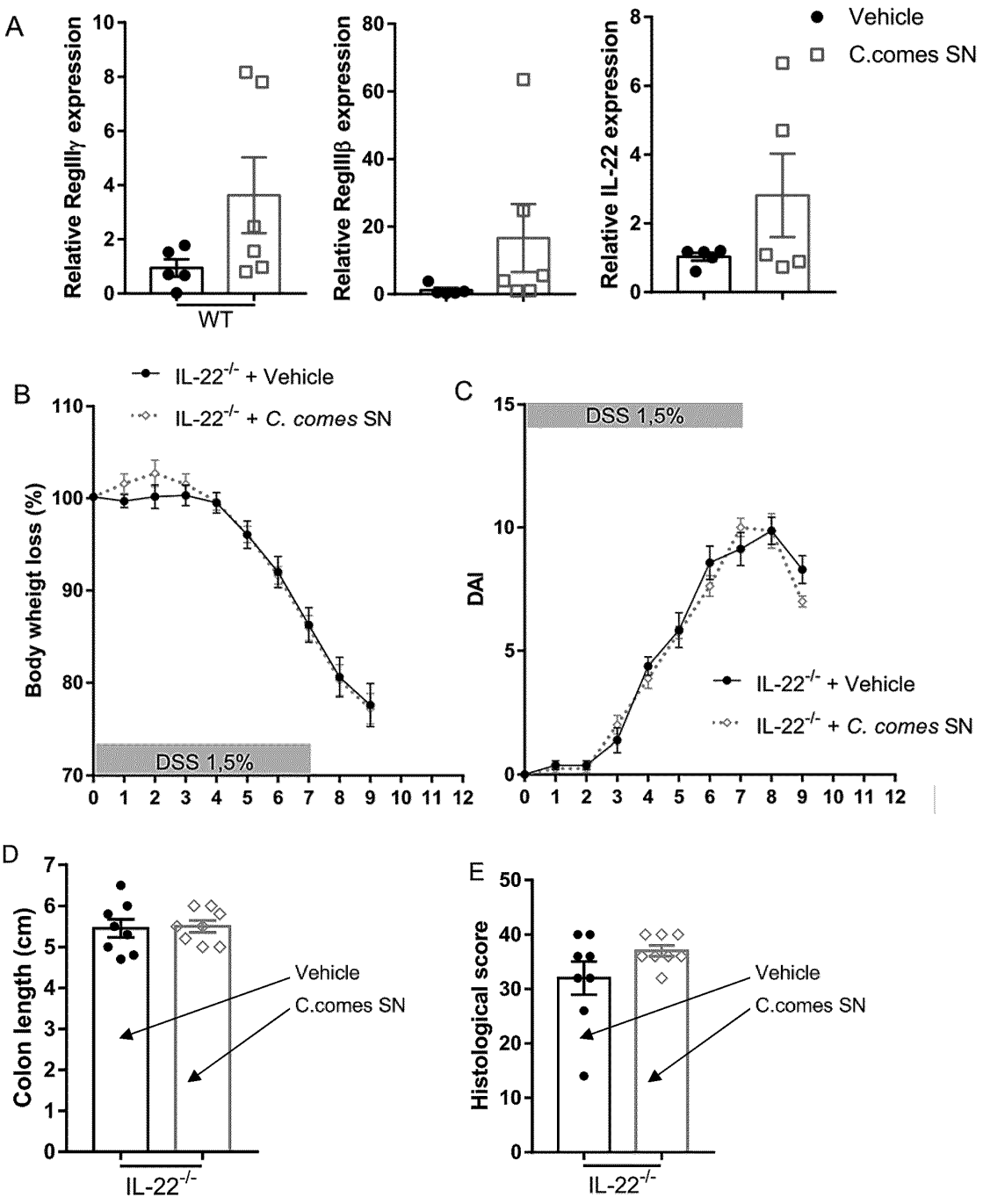
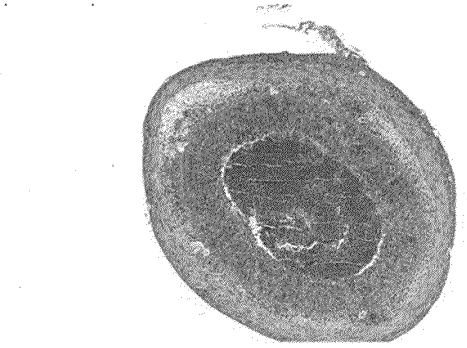

A
Relative RegIIIγ expression
Relative RegIIIβ expression
Relative IL-22 expression
Vehicle
C.comes SN
WT
B
IL-22-/- + Vehicle
IL-22-/- + C. comes SN
Body wheigt loss (%)
DSS 1,5%
C
DSS 1,5%
DAI
IL-22-/- + Vehicle
IL-22-/- + C. comes SN
D
Colon length (cm)
Vehicle
C.comes SN
IL-22-/-
E
Histological score
Vehicle
C.comes SN
IL-22-/-

Figure 3

F

Vehicle



C. comes SN

Figure 3 (following)

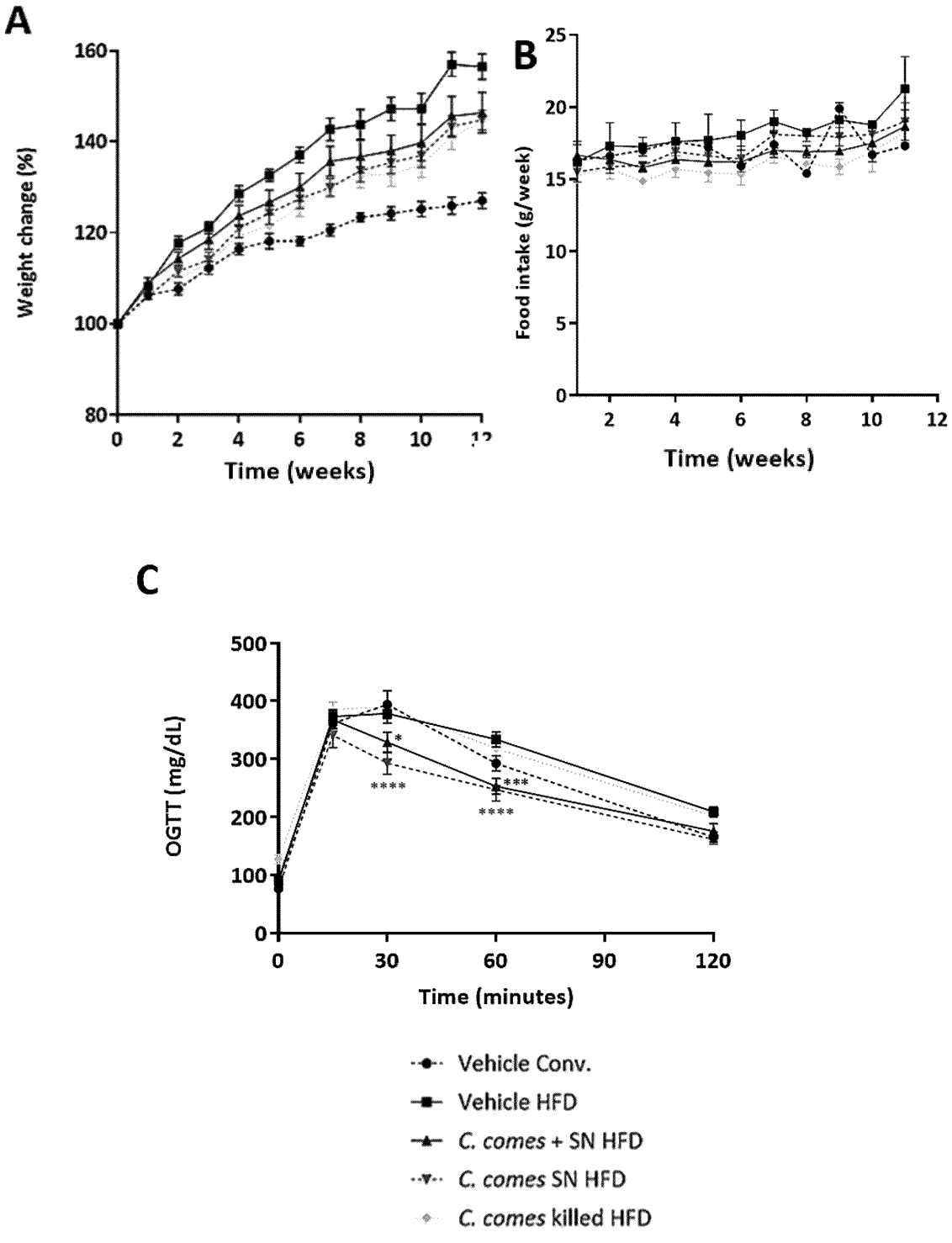

A
Weight change (%)
160
140
120
100
80
0
2
4
6
8
10
Time (weeks)
B
Food intake (g/week)
25
20
15
10
5
0
2
4
6
8
10
12
Time (weeks)
C
OGTT (mg/dL)
500
400
300
200
100
0
0
30
60
90
120
Time (minutes)
*
****
***
****
Vehicle Conv.
Vehicle HFD
C. comes + SN HFD
C. comes SN HFD
C. comes killed HFD

Figure 4

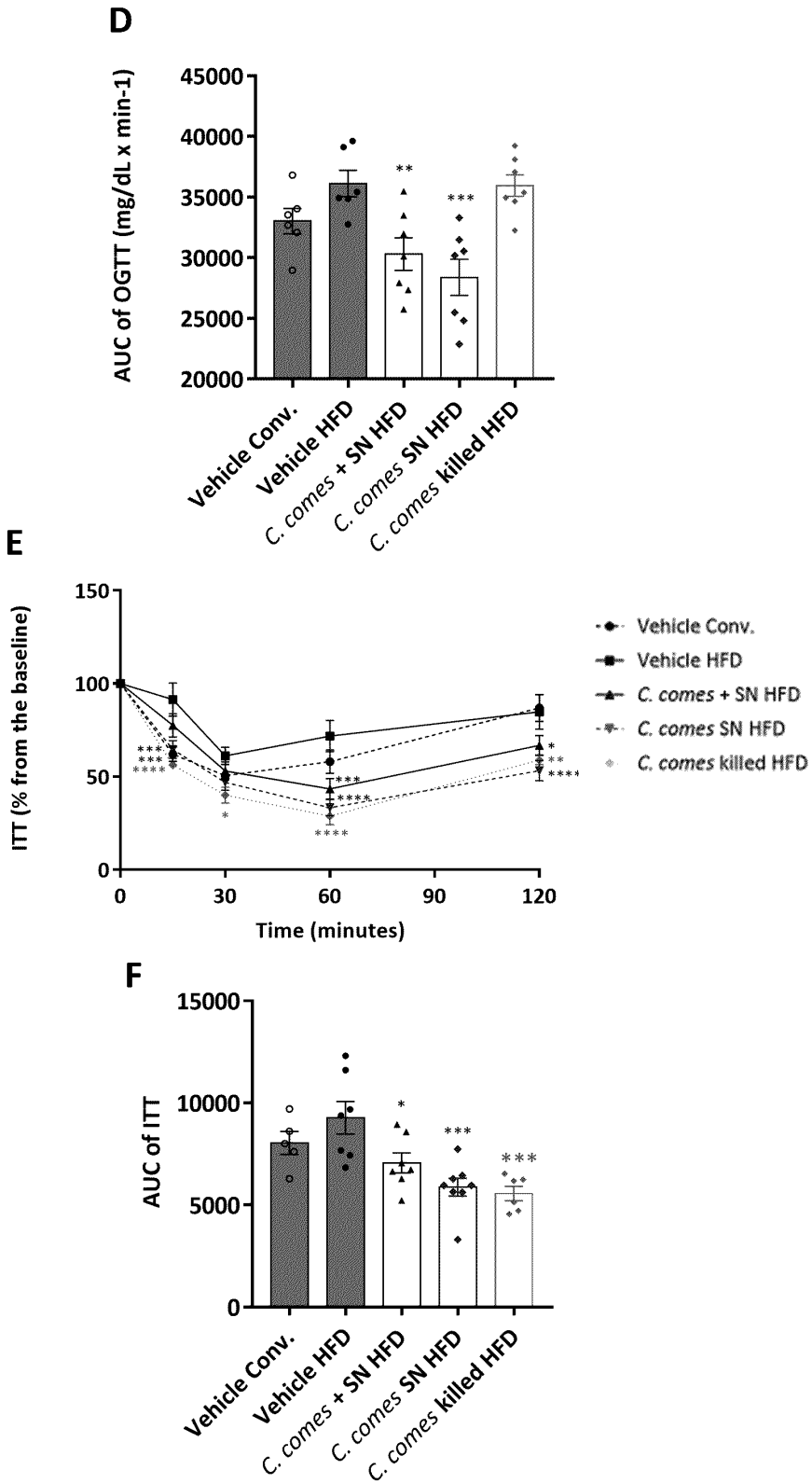
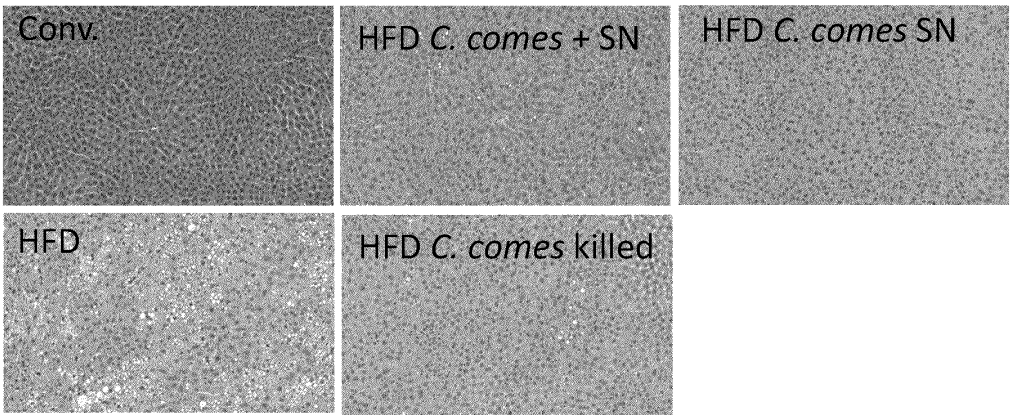


Figure 4 (following)

A


Conv.
HFD C. comes + SN
HFD C. comes SN
HFD
HFD C. comes killed

B

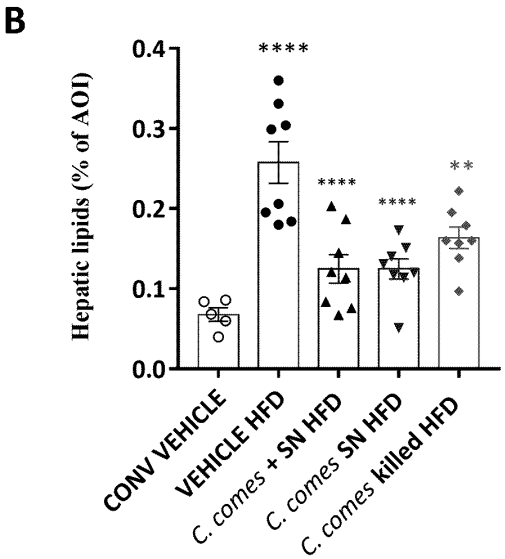

Hepatic lipids (% of AOI)
0.4
0.3
0.2
0.1
0.0
****
****
****
**
CONV VEHICLE
VEHICLE HFD
C. comes + SN HFD
C. comes SN HFD
C. comes killed HFD

Figure 5

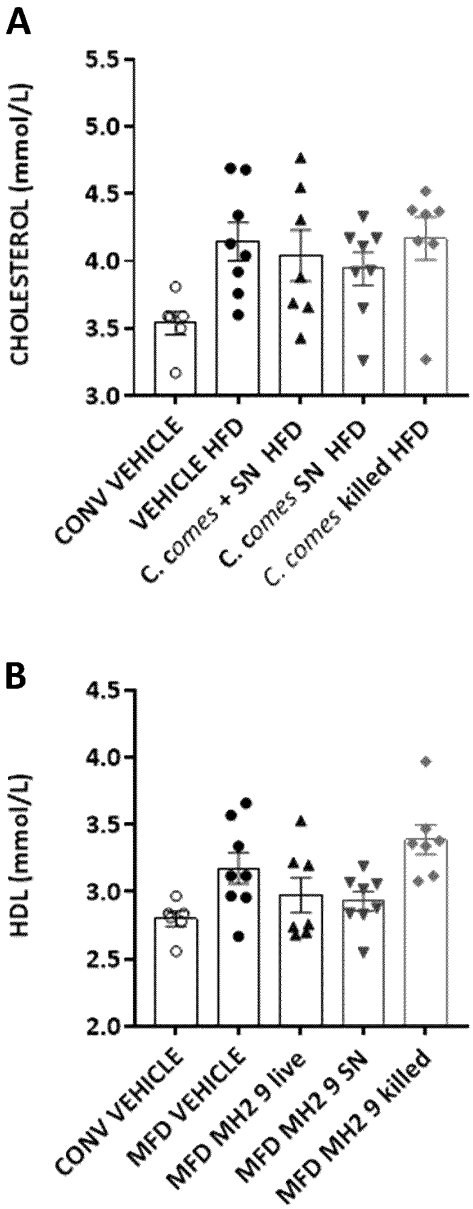

A
CHOLESTEROL (mmol/L)
5.5
5.0
4.5
4.0
3.5
3.0
CONV VEHICLE
VEHICLE HFD
C. comes + SN HFD
C. comes SN HFD
C. comes killed HFD
B
HDL (mmol/L)
4.5
4.0
3.5
3.0
2.5
2.0
CONV VEHICLE
MFD VEHICLE
MFD MH2 9 live
MFD MH2 9 SN
MFD MH2 9 killed

Figure 6

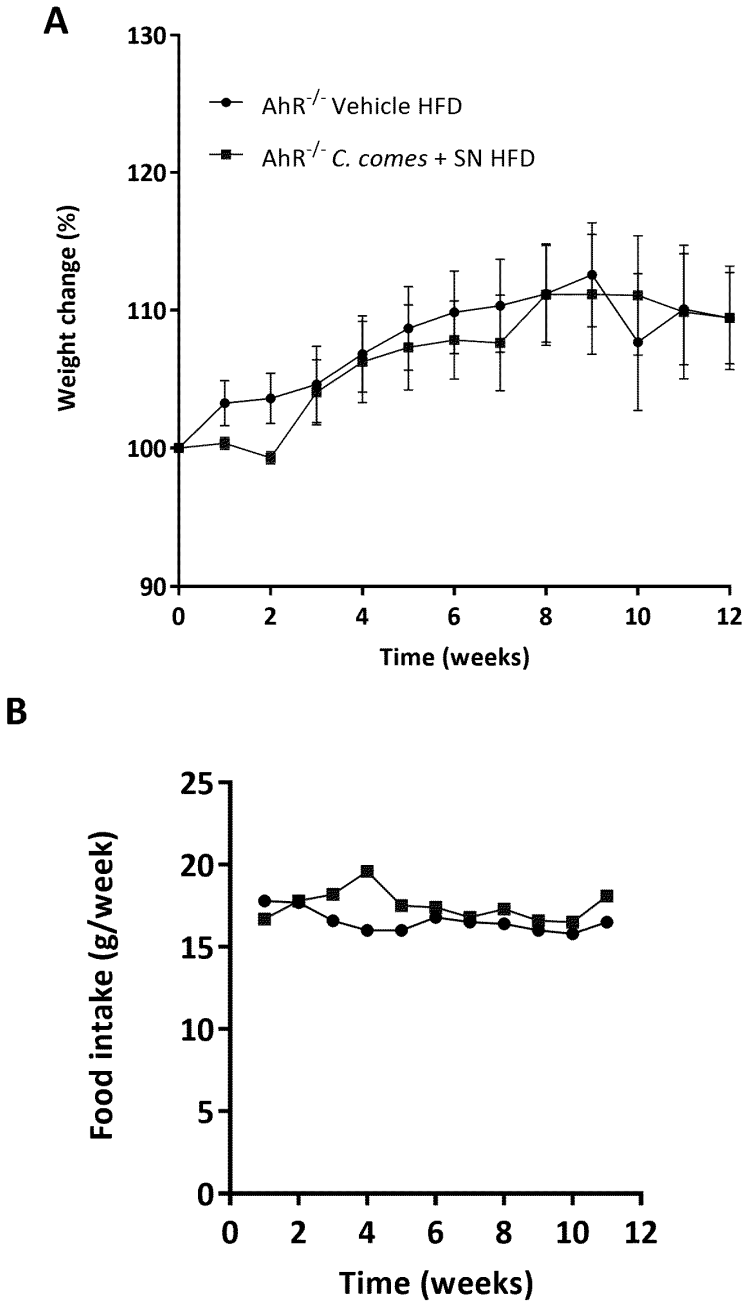
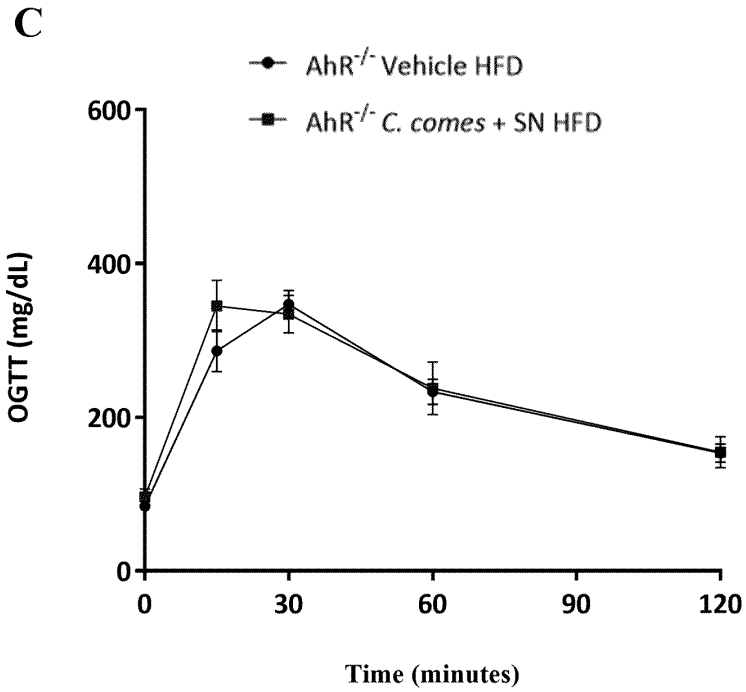

A
130
120
110
100
90
Weight change (%)
AhR-/- Vehicle HFD
AhR-/- C. comes + SN HFD
0
2
4
6
8
10
12
Time (weeks)
B
25
20
15
10
5
0
Food intake (g/week)
0
2
4
6
8
10
12
Time (weeks)

Figure 7



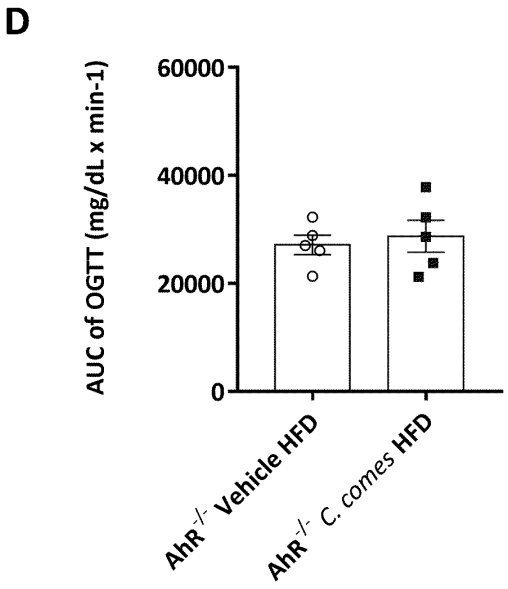


Figure 7 (following)

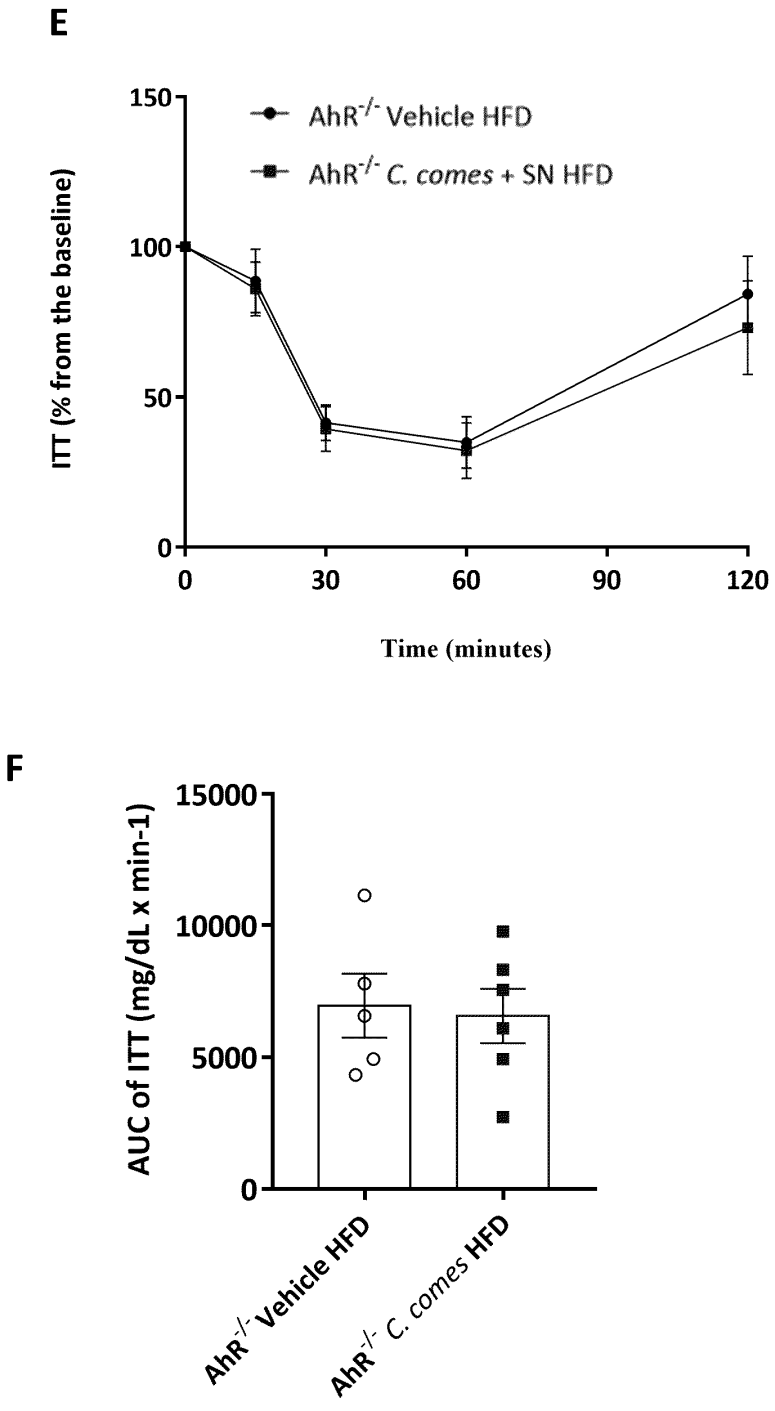


Figure 7 (following)

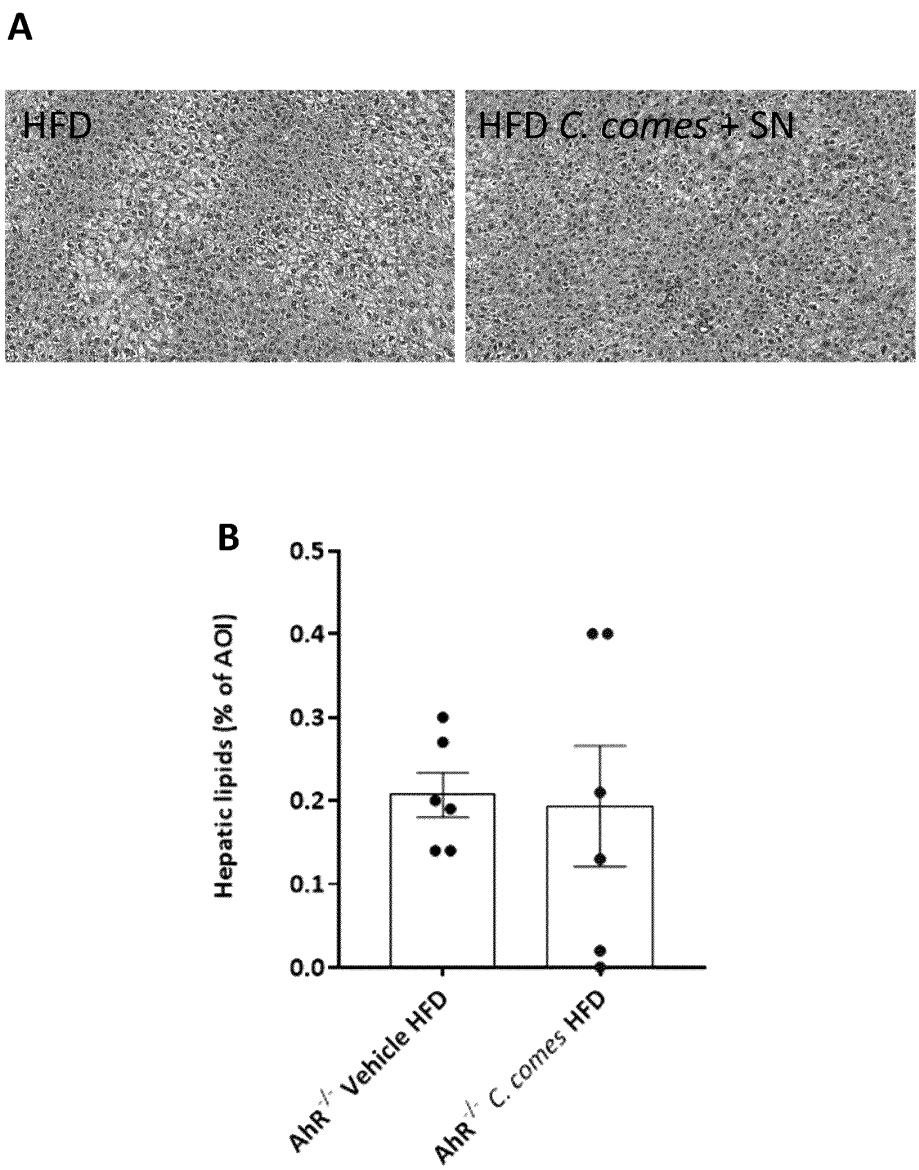

A
HFD
HFD C. comes + SN
B
Hepatic lipids (% of AOI)
0.5
0.4
0.3
0.2
0.1
0.0
AhR-/- Vehicle HFD
AhR-/- C. comes HFD

Figure 8