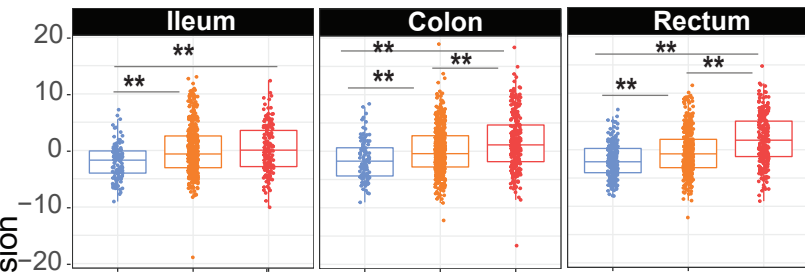
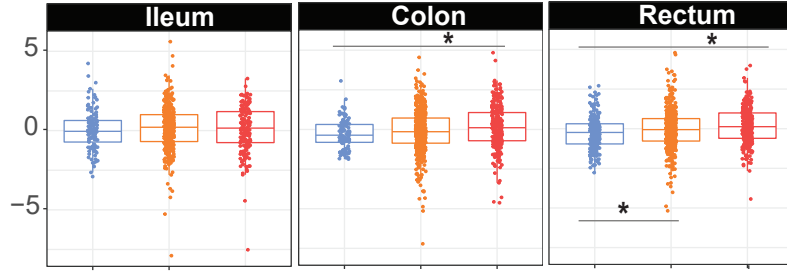


Supplementary Figure 9

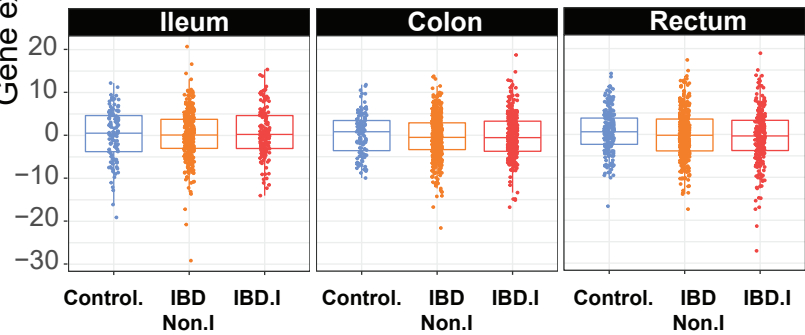
a. hSIO_DIF_COVID-19 Upregulated genes (adj p <0.10) (GSVA)



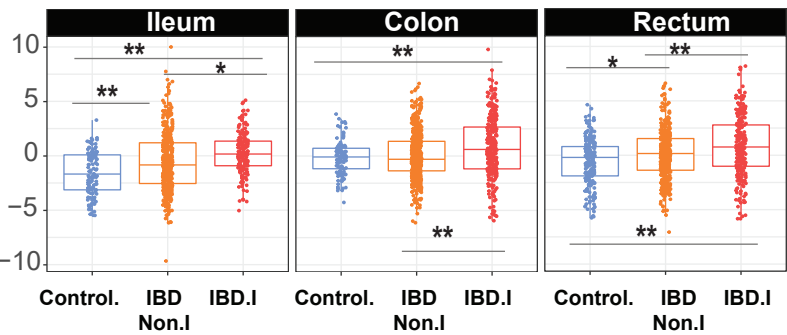
b. hSIO_EXP_COVID-UPregulated genes (adj p <0.10) (GSVA)



hSIO_DIF_COVID-Downregulated genes (adj p <0.10) (GSVA)

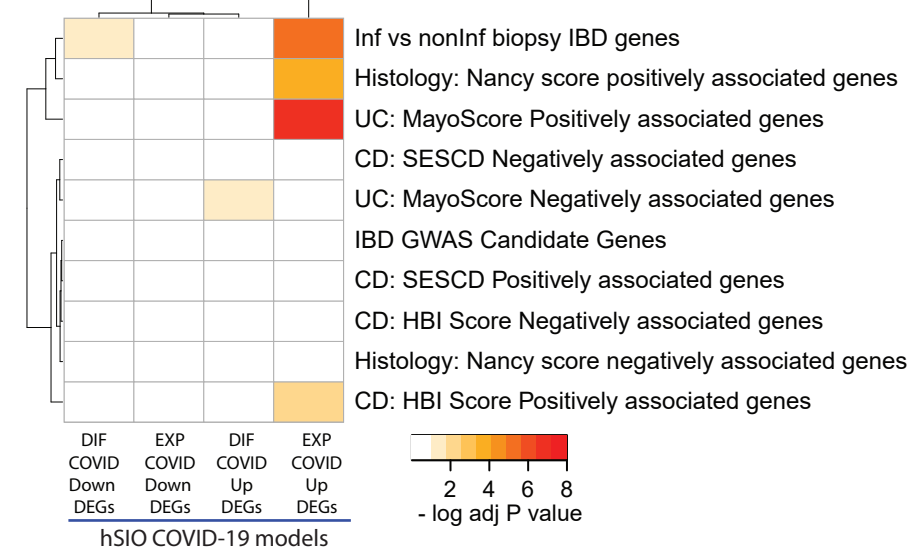


hSIO_EXP_COVID-Downregulated genes (adj p <0.10) (GSVA)

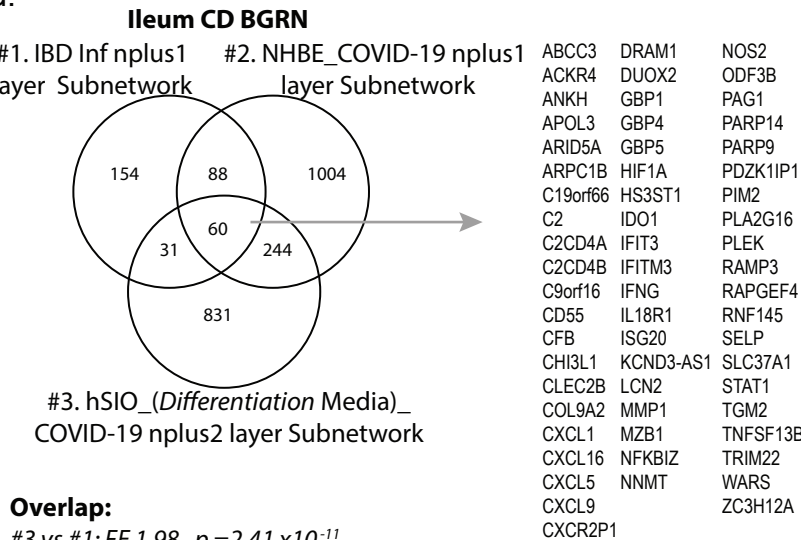


Legend: Controls IBD: non-inflamed IBD: inflamed *p<0.05 ** p<0.001

c.



d.



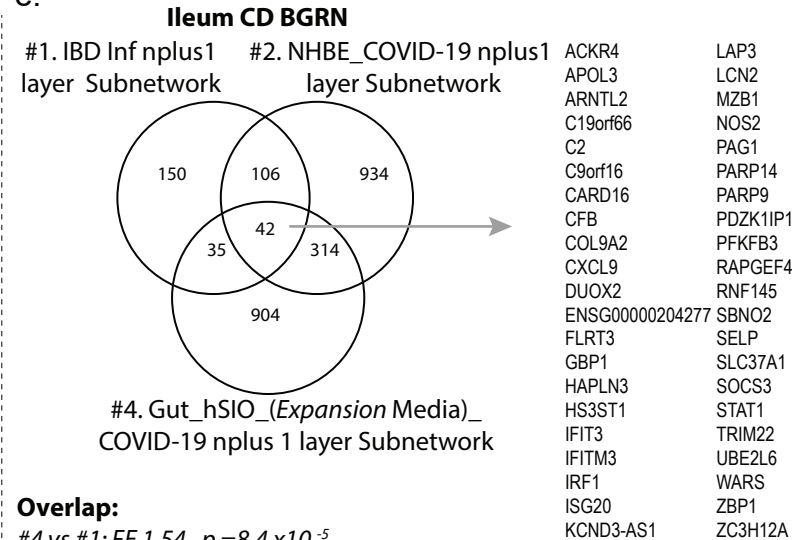
Overlap:

#3 vs #1: FE 1.98, $p=2.41 \times 10^{-11}$

#2 vs #3: FE 1.6, $p=1.65 \times 10^{-19}$

#1/2 intersect (148 genes) vs #3/#1 intersect (91 genes): FE 37.6, $p=2.3 \times 10^{-87}$

e.



Overlap:

#4 vs #1: FE 1.54, $p=8.4 \times 10^{-5}$

#2 vs #4: FE 1.67, $p=5.8 \times 10^{-28}$

#1/#2 intersect (148 genes) vs #4/#1 intersect (77 genes): FE 31.0, $p=3.67 \times 10^{-55}$