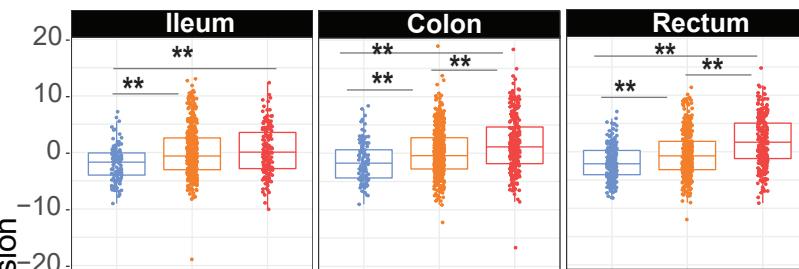
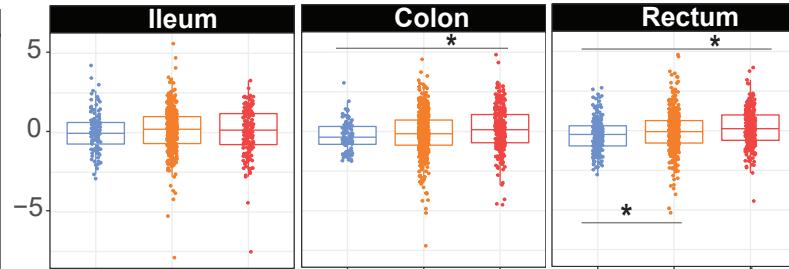


Supplementary Figure 9

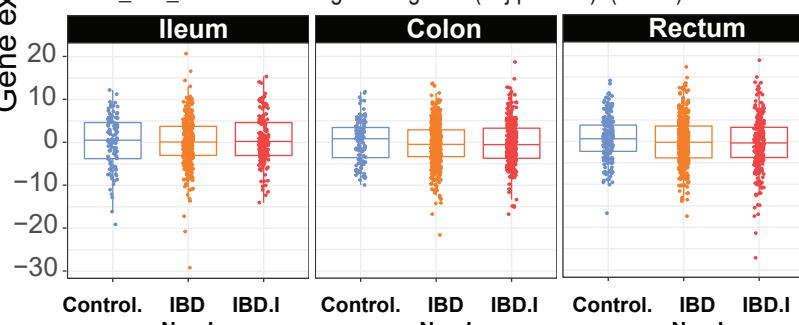
a. hSIO_DIF_COVID-19 Upregulated genes (adj p <0.10) (GSVA)



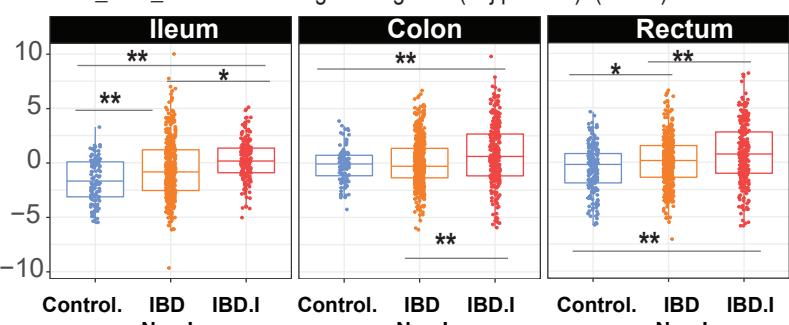
b. hSIO_EXP_COVID-UPregulated genes (adj p <0.10) (GSVA)



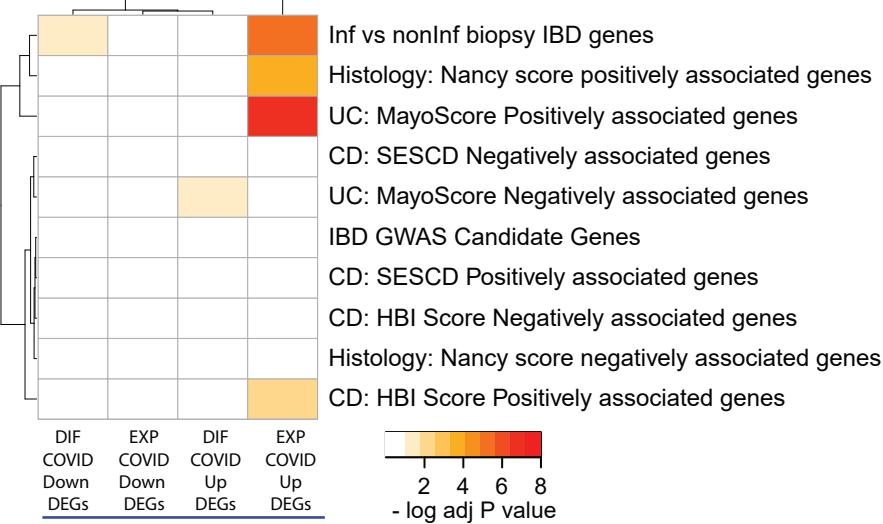
hSIO_DIF_COVID-Downregulated genes (adj p <0.10) (GSVA)



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

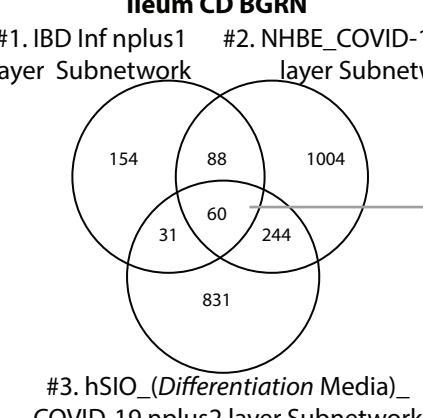


C.



hSIO COVID-19 models

d. Ileum CD BGRN



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, $p = 2.3 \times 10^{-87}$

ABCC3	DRAM1	NOS2
ACKR4	DUOX2	ODF3B
ANKH	GBP1	PAG1
APOL3	GBP4	PARP14
ARID5A	GBP5	PARP9
ARPC1B	HIF1A	PDZK1IP1
C19orf66	HS3ST1	PIM2
C2	IDO1	PLA2G16
C2CD4A	IFT13	PLEK
C2CD4B	IFTM3	RAMP3
C9orf16	IFNG	RAPGEF4
CD55	IL18R1	RNF145
CFB	ISG20	SELP
CHI3L1	KCNQ3-AS1	SLC37A1
CLEC2B	LCN2	STAT1
COL9A2	MMP1	TGM2
CXCL1	MZB1	TNFSF13B
CXCL16	NFKBIZ	TRIM22
CXCL5	NNMT	WARS
CXCL9	CXCR2P1	ZC3H12A

e.

Ileum CD BGRN

