



**Figure S1.** Monolayer of each human intestinal enteroids lines were inoculated at a multiplicity of infection of 1 and 5 ( $5.7 \times 10^4$  and  $2.8 \times 10^5$  genome equivalents/well, respectively) with CUHK-NS-1190. Noroviral RNA was extracted from supernatant and cell lysates collected at 1, 24 and 72 hours post-inoculation (hpi), viral RNA copies per well were obtained by quantitative reverse transcription polymerase chain reaction (RT-qPCR). The horizontal grey and silver dotted line indicates the lower detection limit of RT-qPCR at 552 copies per well of supernatant and 342 copies per well of cell lysates, respectively.

**Table S1.** Cell markers used in quantification of gene expression of six intestinal epithelial cell types by TaqMan Gene Expression Assays.

Cell type	Target	Gene	Assay reference	Supplier
Stem cells	Leucin-rich-repeat-containing G-protein-couple receptor 5	LGR5	Hs00969422_m1	Thermo Fisher
Enterocytes	Sucrose isomaltase	SI	Hs00356112_m1	Thermo Fisher
Enteroendocrine cells	Chromogranin A	CHGA	Hs00900370_m1	Thermo Fisher
Goblet cells	Mucin 2	MUC2	Hs00159374_m1	Thermo Fisher
Paneth cells	Defensin 5	DEFA5	Hs00360716_m1	Thermo Fisher
Tuft cells	doublecortin like kinase 1	DCLK1	Hs00178027_m1	Thermo Fisher

**Table S2.** Multivariate linear regression analysis of gene expression of CXCL10 with cell-associated noroviral RNA level.

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	53.321	144.361		.369	.716
	HIE_line	20.321	51.712	.097	.393	.699
	Strain	-57.902	37.835	-.277	-1.530	.142
	Time_point	-.849	.712	-.241	-1.192	.248
	Noroviral_RNA_fold_change_CP	1.009	.389	.686	2.590	.018

a. Dependent Variable: CXCL10\_fold\_change

**Table S3.** Multivariate linear regression analysis of gene expression of IFI44L with cell-associated noroviral RNA level.

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	37.540	278.761		.135	.897
	HIE_line	58.300	99.856	.184	.584	.578
	Strain	-105.183	73.059	-.332	-1.440	.193
	Time_point	-1.738	1.375	-.325	-1.264	.247
	Noroviral_RNA_fold_change_CP	2.065	.752	.926	2.745	.029

a. Dependent Variable: IFI44L\_fold\_change

**Table S4.** Multivariate linear regression analysis of secretion of CXCL10 with supernatant and cell-associated noroviral RNA level.

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	14.108	17.653		.799	.455
	HIE_line	4.610	6.125	.046	.753	.480
	Strain	-.212	4.113	-.002	-.052	.960
	Time_point	.089	.102	.053	.877	.414
	Noroviral_RNA_CP	-2.110E-5	.000	-.352	-5.407	.002
	Noroviral_RNA_SN	.001	.000	1.205	14.586	.000

a. Dependent Variable: CXCL10\_ELISA