doi:10.1038/nature12862

Supplementary Tables 1-2. ISG screen data sets. Each table shows complete data sets from ISG screens for DNA and +ssRNA viruses (Table I) and –ssRNA viruses (Table 2). Data are ranked by virus replication values starting with the strongest inhibitors in the first row. Z scores are included to show distribution. Screening data were normalized to the average of all data points.

Supplementary Table 1. ISG screening data sets for dsDNA and +ssRNA viruses

VV			PV			CVB			EAV			SINV-G			SINV-A			ONNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
ZBP1	56.0	-5.80	IRF1	6.7	-6.22	ZBP1	28.8	-7.09	OAS1	17.4	-4.10	IRF1	12.3	-4.30	IRF1	9.4	-5.10	UNC93B1	8.3	-3.82
EXT1	62.2	-4.99	APOL6	22.8	-5.15	TRIM25	56.9	-4.30	IRF1	27.9	-3.58	UNC93B1	28.5	-3.50	UNC93B1	12.3	-4.94	SAMD4A	9.1	-3.79
EHD4	63.8	-4.79	TRIM25	27.7	-4.82	IRF1	63.5	-3.64	OAS2	33.2	-3.32	cGAS	28.8	-3.49	cGAS	30.6	-3.91	IRF1	11.3	-3.69
NFIL3	67.6	-4.29	TRAFD1	29.4	-4.71	TNFRSF10A	65.7	-3.42	HPSE	33.8	-3.29	P2RY6	35.9	-3.14	ZBP1	35.2	-3.65	MYD88	22.3	-3.23
IMPA2	69.8	-4.01	EPSTI1	30.8	-4.61	MKX	66.5	-3.34	P2RY6	34.4	-3.26	TRIM14	35.9	-3.14	SLC15A3	36.0	-3.60	IRF2	26.1	-3.08
TNFRSF10A	70.7	-3.89	ZBP1	44.4	-3.71	THBD	70.3	-2.97	IRF2	37.3	-3.12	MAP3K14	36.9	-3.09	MAP3K14	39.7	-3.40	IFITM3	30.6	-2.89
SCARB2	76.0	-3.19	RARRES3	50.1	-3.33	TRIM14	71.7	-2.83	TRIM25	46.9	-2.64	SLC15A3	38.8	-3.00	APOL1	48.6	-2.90	MAP3K14	34.5	-2.73
IRF1	77.0	-3.06	ELF1	51.6	-3.22	BCL3	77.0	-2.31	cGAS	49.5	-2.51	STARD5	40.9	-2.90	AGPAT9	50.1	-2.81	cGAS	35.3	-2.70
MKX	78.7	-2.84	EHD4	52.4	-3.17	LEPR	77.7	-2.24	MAP3K14	53.6	-2.31	EHD4	44.0	-2.74	TRIM14	51.9	-2.71	SCO2	37.4	-2.60
RGS1	80.1	-2.66	THBD	52.9	-3.14	APOL6	78.2	-2.19	FUT4	56.6	-2.16	TRIM25	45.3	-2.68	EHD4	52.3	-2.69	HES4	37.7	-2.59
GALNT2	81.5	-2.47	TLR3	65.5	-2.30	MX1	78.3	-2.17	MYD88	60.2	-1.98	IFIT1	49.2	-2.49	FAM134B	56.5	-2.45	TBX3	40.0	-2.50
FAM134B	84.0	-2.15	TDRD7	66.1	-2.26	TRAFD1	79.8	-2.03	BCL2L14	62.1	-1.89	HPSE	49.2	-2.49	KIAA1618	57.1	-2.42	JUNB	45.7	-2.26
NPAS2	84.8	-2.05	TNFRSF10A	68.4	-2.11	TCF7L2	81.2	-1.89	CSDA	62.8	-1.85	AQP9	50.3	-2.44	IRF2	57.5	-2.39	FLJ23556	46.4	-2.23
ATF3	84.8	-2.04	BCL3	72.0	-1.87	IFI6	82.0	-1.81	MICB	63.2	-1.83	IRF7	50.3	-2.44	HES4	58.8	-2.32	THOC4	47.6	-2.18
EPAS1	85.1	-2.01	PHF15	72.6	-1.83	IFI44L	82.8	-1.73	IRF7	63.9	-1.80	IRF2	51.6	-2.37	IRF7	60.2	-2.24	P2RY6	48.5	-2.15
STARD5	85.6	-1.93	KIAA0040	75.6	-1.63	IL15RA	83.5	-1.66	ZBP1	63.9	-1.80	SAMD4A	54.5	-2.23	SAMD4A	62.1	-2.13	ZBP1	49.3	-2.11
HPSE	86.0	-1.89	IFI44L	76.1	-1.59	NPAS2	84.0	-1.61	PIM3	65.1	-1.74	MYD88	56.8	-2.12	STARD5	62.5	-2.11	NT5C3	50.0	-2.08
FCGR1A	88.1	-1.61	OASL	76.3	-1.58	AHNAK2	84.8	-1.54	TNFRSF10A	65.8	-1.70	IFITM3	57.4	-2.09	FUT4	63.3	-2.07	ADM	50.8	-2.05
ANGPTL1	88.5	-1.56	FAM46C	78.7	-1.42	ADAR	85.3	-1.48	OASL	65.8	-1.70	THOC4	58.9	-2.01	TRIM25	67.0	-1.86	BCL3	53.5	-1.93
FAM46C	89.3	-1.45	LAMP3	80.0	-1.34	FAM46A	86.1	-1.40	BCL3	69.1	-1.54	ZBP1	60.8	-1.92	THOC4	72.0	-1.58	SLC15A3	54.3	-1.90
NAPA	89.4	-1.44	NT5C3	81.6	-1.23	GBP3	86.2	-1.39	IFIH1	70.6	-1.46	MICB	62.3	-1.85	AQP9	72.6	-1.54	ZNF385B	56.0	-1.83
TBX3	90.1	-1.35	PNPT1	81.7	-1.22	ATF3	86.2	-1.39	SAMD4A	71.0	-1.45	C5orf39	62.3	-1.85	HPSE	72.6	-1.54	PPM1K	56.7	-1.80
MAFF	90.2	-1.34	MCOLN2	82.4	-1.17	cGAS	86.5	-1.36	CXCL9	72.1	-1.39	IFITM3	67.6	-1.59	JUNB	73.0	-1.52	MT1G	58.3	-1.74
LEPR	91.5	-1.16	FAM134B	82.4	-1.17	IL1R	86.9	-1.32	STAT2	72.1	-1.39	CD9	70.7	-1.44	DDX58	74.5	-1.44	CCNA1	60.6	-1.64
SLC1A1	91.8	-1.13	IL28RA	83.0	-1.14	NT5C3	87.0	-1.31	ARHGEF3	72.1	-1.39	ANGPTL1	71.2	-1.41	TLR3	75.5	-1.38	TIMP1	60.9	-1.63
IL15RA	92.2	-1.08	XAF1	83.2	-1.12	CX3CL1	87.4	-1.28	CXCL10	72.8	-1.35	FCGR1A	71.5	-1.40	MICB	75.7	-1.37	BAG1	61.2	-1.61
CCDC92	93.1	-0.95	MX1	83.3	-1.11	IL28RA	87.7	-1.25	THBD	73.2	-1.34	ATF3	71.5	-1.40	IFIH1	76.5	-1.33	MT1M	62.2	-1.57
TMEM140	93.7	-0.87	IL6ST	84.3	-1.05	TRIM21	87.7	-1.24	SLC25A28	73.9	-1.30	IFIH1	71.5	-1.40	CCDC92	76.8	-1.30	FUT4	62.4	-1.57
PML	94.0	-0.84	JAK2	84.5	-1.03	EHD4	87.8	-1.23	CES1	74.3	-1.28	CCDC92	72.0	-1.37	GJA4	77.0	-1.29	STAT2	62.8	-1.55
C5orf39	94.1	-0.83	IFI6	84.7	-1.02	HERC6	88.3	-1.18	MAB21L2	74.7	-1.26	RAB27A	73.3	-1.31	IFITM1	77.0	-1.29	SSBP3	64.3	-1.49
DUSP5	94.1	-0.82	TAP2	85.0	-1.00	RBCK1	88.3	-1.18	HSH2D	75.0	-1.24	DDX58	73.3	-1.31	LAMP3	77.2	-1.28	CD74	64.6	-1.48
SPSB1	94.6	-0.76	OPTN	85.3	-0.98	TDRD7	88.4	-1.18	HES4	75.4	-1.23	HES4	73.3	-1.31	IFITM2	77.6	-1.26	MT1F	64.6	-1.48
IFI30	94.6	-0.76	BUB1	85.4	-0.98	MAFB	88.4	-1.17	LAMP3	75.4	-1.23	SMAD3	76.5	-1.15	LGMN	78.2	-1.23	SECTM1	65.9	-1.42
FLT1	94.7	-0.76	FAM46A	85.5	-0.96	JAK2	88.6	-1.16	MT1X	75.8	-1.21	FAM46C	77.0	-1.13	IFITM3	80.1	-1.12	FAM134B	65.9	-1.42
BTN3A3	95.1	-0.70	CX3CL1	85.8	-0.95	IL6ST	88.8	-1.13	STAP1	75.8	-1.21	GBP5	77.8	-1.09	SECTM1	80.7	-1.09	HPSE	66.2	-1.41
CCR1	95.1	-0.69	TAP1	86.1	-0.93	CLEC4D	89.0	-1.12	FAM70A	76.5	-1.17	FBXO6	77.8	-1.09	PSMB9	81.1	-1.07	AIM2	66.2	-1.41
ANKFY1	95.3	-0.67	ATP10D	86.9	-0.87	MICB	89.3	-1.09	HLA-F	76.9	-1.15	SECTM1	78.3	-1.06	MCOLN2	81.1	-1.07	TAGAP	66.9	-1.38
SIRPA	95.4	-0.66	DTX3L	87.2	-0.86	ATP10D	89.3	-1.08	PSMB9	76.9	-1.15	TNFAIP3	78.6	-1.05	TRIM5	81.3	-1.05	RASSF4	67.3	-1.36
STEAP4	95.4	-0.66	AHNAK2	88.6	-0.76	ABLIM3	89.4	-1.07	IL28RA	76.9	-1.15	CSDA	79.4	-1.01	HLA-F	81.5	-1.04	CREB3L3	67.7	-1.34
NT5C3	95.5	-0.65	PCTK2	88.7	-0.76	CD80	89.4	-1.07	ARG2	77.3	-1.13	ZAP	79.4	-1.01	MSR1	82.3	-1.00	IL28RA	67.9	-1.34
PSCD1	95.8	-0.60	TNFAIP3	89.1	-0.73	TNFAIP3	89.5	-1.06	OGFR	77.3	-1.13	CES1	79.6	-1.00	IFIT5	82.5	-0.99	IL1RN	67.9	-1.34
HK2	95.8	-0.60	MX1	89.8	-0.68	AKT3	89.6	-1.06	RBCK1	77.6	-1.12	FAM70A	79.6	-1.00	RASSF4	83.2	-0.95	ARHGEF3	69.2	-1.28
SOCS2	96.2	-0.56	NDC80	90.0	-0.67	MCOLN2	89.7	-1.05	HLA-C	78.7	-1.06	LAMP3	79.9	-0.99	RAB27A	83.8	-0.91	EHD4	69.6	-1.26
CLEC4E	96.2	-0.55	HERC6	90.3	-0.65	DNAPTP6	89.8	-1.03	PPM1K	78.7	-1.06	CD69	80.7	-0.95	ATF3	84.0	-0.90	MAX	71.4	-1.19
IRF7	96.4	-0.53	IL15RA	91.2	-0.58	ERLIN1	90.2	-0.99	IFI6	79.1	-1.04	ETV7	80.7	-0.95	FAM70A	84.0	-0.90	MT1H	71.5	-1.19
BCL3	96.5	-0.51	cGAS	91.6	-0.56	IFITM3	90.3	-0.98	G6PC	79.8	-1.01	PSMB9	80.9	-0.94	FCGR1A	84.2	-0.89	C5orf27	71.8	-1.17
EPSTI1	96.5	-0.51	MKX	92.3	-0.51	CCNA1	90.4	-0.97	ADM	80.6	-0.97	THBD	81.2	-0.92	SOCS1	84.4	-0.88	PPM1K	72.1	-1.16
CDKN1A	96.7	-0.49	APOL2	92.5	-0.50	CCR1	90.4	-0.97	PRIC285	80.6	-0.97	RASSF4	81.2	-0.92	CD9	84.6	-0.87	STAP1	72.4	-1.15
MARCKS	96.7	-0.48	CLEC4E	92.9	-0.48	SLC15A3	90.7	-0.95	IL15	80.6	-0.97	IL28RA	81.2	-0.92	ZAP	84.6	-0.87	IGFBP2	72.8	-1.13
ADFP	96.9	-0.46	STAT2	93.1	-0.46	ZNF385B	90.8	-0.93	IL1RN	80.9	-0.95	DHX58	81.5	-0.91	MAP3K5	85.4	-0.83	MAB21L2	73.1	-1.12
AGPAT9	97.1	-0.44	ARNTL	93.8	-0.41	C5orf27	91.0	-0.92	CD163	80.9	-0.95	SOCS1	81.5	-0.91	CES1	85.6	-0.81	CCND3	74.4	-1.06
STAP1	97.2	-0.42	NOD2	94.1	-0.39	IL1RN	91.1	-0.90	CCL19	81.3	-0.93	ZNF313	81.5	-0.91	SOCS2	85.9	-0.79	GAK	74.9	-1.05
CD163	97.2	-0.42	RGS1	94.2	-0.39	DUSP5	91.3	-0.89	RIK2	81.3	-0.93	GALNT2	81.5	-0.91	SMAD3	86.3	-0.77	UNC84B	74.9	-1.05
SLC16A1	97.3	-0.41	ENPP1	94.6	-0.36	MT1F	91.7	-0.85	LMO2	82.1	-0.90	RBM25	82.0	-0.89	C9orf91	86.7	-0.75	IMPA2	75.4	-1.02
S100A8	97.5	-0.39	TRIM21	94.7	-0.36	OGFR	91.8	-0.84	CCDC109B	82.1	-0.90	LRG1	82.5	-0.86	PABPC4	86.9	-0.74	PTMA	76.5	-0.98
MT1F	97.5	-0.38	LGALS9	94.8	-0.35	ADAMDEC1	91.9	-0.83	CYP1B1	82.4	-0.88	OGFR	82.8	-0.85	LINCR	86.9	-0.74	MX1	77.6	-0.93
ATP10D	97.5	-0.38	MYD88	94.8	-0.35	ADM	91.9	-0.82	CCDC92	82.4	-0.88	SLC16A1	83.5	-0.81	CLEC4E	87.1	-0.73	CLEC2B	78.3	-0.90
CCL2	97.6	-0.37	UPP2	95.0	-0.34	STAT1	91.9	-0.82	EIF3EIP	82.4	-0.88	EPAS1	83.5	-0.81	BST2	87.1	-0.73	IFI30	78.6	-0.89
RAB27A	97.6	-0.37	C2orf31	95.3	-0.32	C9orf91	92.1	-0.81	DEFB1	82.8	-0.86	CRY1	83.5	-0.81	CD69	87.5	-0.71	STAT1	78.8	-0.88
ZNF385B	97.6	-0.37	NMI	95.4	-0.31	NCF1	92.1	-0.81	FCGR1A	82.8	-0.86	TRIM5	84.1	-0.78	GAK	87.7	-0.69	IFITM2	78.9	-0.88
PI4K2B	97.7	-0.36	UNC84B	95.4	-0.30	AGPAT9	92.6	-0.75	GBP1	83.2	-0.84	BST2	84.3	-0.77	ZNF313	88.3	-0.66	DDIT4	79.1	-0.87
ADM	97.7	-0.36	DCP1A	95.9	-0.28	WHDC1	93.0	-0.72	OAS3	83.2	-0.84	TLR3	84.9	-0.74	STAT2	88.5	-0.65	IFITM3	79.2	-0.87
MYD88	97.7	-0.35	ULK4	96.0	-0.27	PPM1K	93.0	-0.72	IFI27	83.5	-0.82	WHDC1	85.4	-0.72	CD274	88.5	-0.65	IFI6	80.1	-0.83
LRG1	97.8	-0.34	STAP1	96.1	-0.26	ARHGEF3	93.1	-0.71	DYNLT1	83.5	-0.82	GJA4	85.4	-0.72	GCH1	89.2	-0.61	SPSB1	80.2	-0.82
DDIT4	97.8	-0.34	ATF3	96.3	-0.25	TAP2	93.3	-0.69	STARD5	83.5	-0.82	SPSB1	86.2	-0.68	THBD	89.4	-0.60	SERPINE1	80.8	-0.80
HLA-C	97.8	-0.34	CCL2	96.3	-0.25	DTX3L	93.5	-0.67	IFI6	83.5	-0.82	MSR1	87.0	-0.64	WHDC1	89.8	-0.57	TRIM25	80.9	-0.79
FLJ23556	97.9	-0.33	GBP3	96.4	-0.24	MT1M	93.6	-0.66	CD74	83.9	-0.80	CCL19	87.2	-0.63	OGFR	90.0	-0.56	TREX1	80.9	-0.79
HSH2D	97.9	-0.33	TREX1	96.4	-0.24	MT1H	93.6	-0.65	UNC93B1	84.3	-0.79	BCL3	87.7	-0.60	TREX1	90.2	-0.55	STARD5	81.5	-0.77
FUT4	98.0	-0.32	IFIT2	96.5	-0.23	CEBPD	93.7	-0.65	LGALS3	84.6	-0.77	CLEC4D	88.0	-0.59	NMI	90.2	-0.55	MICB	81.5	-0.77
GBP5	98.0	-0.32	IFITM2	96.6	-0.23	LIPA	93.7	-0.65	PTMA	84.6	-0.77	FUT4	88.0	-0.59	AIM2	90.4	-0.54	FNDC4	81.5	-0.77
ADAMDEC1	98.0	-0.32	RIK2	96.7	-0.22	IFIT1	93.9	-0.63	AKT3	84.6	-0.77	IFI35	88.3	-0.58	TRAFD1	90.8	-0.52	CEBPD	81.5	-0.77
GBP2	98.0	-0.32	IFI6	96.8	-0.22	ZNF313	94.0	-0.62	PBEF1	85.0	-0.75	RBCK1	88.3	-0.58	CCR1	91.2	-0.50	IRF7	81.7	-0.76
TREX1	98.1	-0.31	SLC1A1	96.8	-0.21	UNC84B	94.0	-0.62	PRKD2	85.4	-0.73	AIM2	88.3	-0.58	TIMP1	91.2	-0.50	ARG2	82.5	-0.73
TYMP	98.1	-0.31	GBP4	97.0	-0.20	RASSF4	94.0	-0.62	MKX	85.4	-0.73	PML	88.8	-0.55	LRG1	91.6	-0.48	FAM70A	83.0	-0.71
NUP50	98.2	-0.29	IRF2	97.0	-0.20	IFIT2	94.0	-0.62	LEPR	85.8	-0.71	PLEKHA4	89.0	-0.54	TAP1	91.9	-0.45	WHDC1	83.6	-0.68
GZMB	98.2	-0.29	ARG2	97.0	-0.20	STAT2	94.1	-0.61	TYMP	86.1	-0.69	HLA-F	89.3	-0.53	GALNT2	92.1	-0.44	NRN1	83.6	-0.68
FAM46A	98.3	-0.28	EIF2AK2	97.1	-0.19	TRIM34	94.1	-0.61	IFITM1	86.1	-0.69	EIF2AK2	89.3	-0.53	CLEC4D	92.3	-0.43	FLJ39739	83.7	-0.68
BAG1	98.4	-0.27	TCF7L2	97.3	-0.18	HES4	94.1	-0.61	MT1F	86.5	-0.68	MT1X	89.3	-0.53	MT1X	92.3	-0.43	HLA-F	83.7	-0.68
C1S	98.4	-0.26	BCL2L14	97.3	-0.18	MT1G	94.1	-0.61	TRIM14	86.5	-0.68	GCH1	89.8	-0.50	PRIC285	92.5	-0.42	RGS1	84.3	-0.65
C2orf31	98.5	-0.25	IFNGR1	97.4	-0.18	GAK	94.2	-0.60	C2orf31	86.5	-0.68	HLA-G	90.1	-0.49	ANGPTL1	92.7	-0.41	MCOLN2	85.3	-0.61
TIMP1	98.5	-0.25	AKT3	97.4	-0.17	IMPA2	94.3	-0.59	ADFP	86.9	-0.66	SCARB2	90.4	-0.47	ALDH1A1	92.7	-0.41	HLA-E	85.4	-0.61

VV			PV			CVB			EAV			SINV-G			SINV-A			ONNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
PFKFB3	98.5	-0.25	P2RY6	97.6	-0.16	FNDC4	94.3	-0.59	ERLIN1	86.9	-0.66	RIK2	90.4	-0.47	IFI27	92.7	-0.41	LAP3	86.0	-0.58
CSDA	98.5	-0.25	HSH2D	97.6	-0.16	STEAP4	94.4	-0.58	PDK1	87.2	-0.64	CCR1	90.6	-0.46	GBP5	92.9	-0.40	HLA-C	86.5	-0.56
LAMP3	98.6	-0.24	IFI27	97.7	-0.16	IFI44	94.4	-0.58	TRIM21	87.2	-0.64	FAM46A	90.6	-0.46	ADM	92.9	-0.40	PBEF1	87.6	-0.52
SCO2	98.6	-0.24	AGPAT9	97.7	-0.15	FAM134B	94.6	-0.56	THOC4	87.6	-0.62	CLEC4E	90.9	-0.45	CSDA	93.1	-0.39	SERPINB9	87.9	-0.50
FNDC4	98.6	-0.24	NFIL3	97.8	-0.15	GCA	94.6	-0.56	PSMB8	87.6	-0.62	CMAH	90.9	-0.45	PML	93.1	-0.39	COMMD3	88.1	-0.50
FBXO6	98.6	-0.23	IFIT3	97.9	-0.14	HLA-C	94.7	-0.55	ZNF385B	88.0	-0.60	SNN	91.1	-0.44	MX2	93.1	-0.39	PIM3	88.3	-0.49
MTHFD2L	98.7	-0.22	FKBP5	98.0	-0.13	TIMP1	94.7	-0.55	CCNA1	88.0	-0.60	FLJ39739	91.1	-0.44	ELF1	93.1	-0.39	CCL2	88.3	-0.49
GAK	98.7	-0.22	IFITM3	98.1	-0.13	THOC4	94.9	-0.53	FFAR2	88.0	-0.60	DDIT4	91.4	-0.42	PTMA	93.3	-0.38	GCA	88.6	-0.47
OGFR	98.8	-0.21	GBP1	98.3	-0.11	IRF9	95.0	-0.52	UBE2L6	88.3	-0.58	IGFBP2	91.4	-0.42	IFI6	93.3	-0.38	NCF1	88.6	-0.47
ENPP1	98.8	-0.21	HES4	98.5	-0.10	PDGFRL	95.0	-0.52	GTPBP2	88.3	-0.58	ABLIM3	91.7	-0.41	MAX	93.3	-0.38	TCF7L2	88.8	-0.47
LY6E	98.8	-0.21	NCF1	98.5	-0.10	IL15	95.3	-0.49	C1S	88.3	-0.58	FFAR2	91.7	-0.41	MAB21L2	93.5	-0.37	HEG1	89.1	-0.45
IFITM3	98.8	-0.21	FAM70A	98.7	-0.09	PNRC1	95.3	-0.49	MAX	88.7	-0.57	MAB21L2	91.9	-0.40	IFITM3	93.5	-0.37	AKT3	89.1	-0.45
ODC1	98.9	-0.20	ADAMDEC1	98.8	-0.08	NDC80	95.3	-0.49	ADAR	88.7	-0.57	PTMA	92.2	-0.38	SCARB2	94.3	-0.32	TMEM49	89.2	-0.45
APOL6	98.9	-0.20	CCNA1	98.9	-0.07	C1S	95.4	-0.48	RBM25	88.7	-0.57	STAT2	92.5	-0.37	GTPBP2	94.3	-0.32	LIPA	89.4	-0.44
UNC93B1	98.9	-0.20	ANGPTL1	99.1	-0.06	USP18	95.5	-0.47	C15orf48	89.1	-0.55	G6PC	92.5	-0.37	HLA-C	94.3	-0.32	C1S	90.1	-0.41
DYNLT1	98.9	-0.19	STAT1	99.2	-0.06	FLJ23556	95.6	-0.46	ISG20	89.1	-0.55	RPL22	92.5	-0.37	IL1RN	94.3	-0.32	VEGFC	90.1	-0.41
PBEF1	98.9	-0.19	FLJ23556	99.2	-0.05	TBX3	95.6	-0.46	TIMP1	89.4	-0.53	MCL1	92.5	-0.37	TYMP	94.3	-0.32	ADAMDEC1	90.5	-0.39
ISG15	99.0	-0.19	COMMD3	99.3	-0.05	CLEC2B	95.8	-0.44	CCL2	89.4	-0.53	FAM134B	92.5	-0.37	KIAA0082	94.3	-0.32	CXCL9	91.0	-0.38
CCND3	99.0	-0.19	ALDH1A1	99.3	-0.04	SLC16A1	96.1	-0.41	FAM46C	89.4	-0.53	PDGFRL	92.7	-0.36	DDIT4	94.5	-0.31	OGFR	91.2	-0.36
GEM	99.0	-0.19	GK	99.4	-0.04	RAB27A	96.1	-0.41	MT1M	89.8	-0.51	TREX1	93.0	-0.35	PSMB8	94.6	-0.30	CLEC4E	91.4	-0.36
GBP3	99.0	-0.18	ABLIM3	99.4	-0.04	RGS1	96.2	-0.40	DNAPTP6	89.8	-0.51	OASL	93.0	-0.35	CXCL9	94.6	-0.30	GBP3	91.8	-0.34
PRIC285	99.0	-0.18	GCH1	99.4	-0.04	SIRPA	96.4	-0.38	RASSF4	90.2	-0.49	PHF11	93.2	-0.33	RBM25	94.8	-0.29	MKX	91.8	-0.34
PPM1K	99.1	-0.18	IL1R	99.5	-0.03	DDX3X	96.5	-0.37	MX1	90.6	-0.47	TRIM38	93.2	-0.33	C4orf32	95.2	-0.27	TRIM14	92.0	-0.33
B2M	99.2	-0.16	DUSP5	99.6	-0.03	SLC25A30	96.5	-0.37	CCL8	90.9	-0.46	GZMB	93.2	-0.33	ADFP	95.2	-0.27	BLVRA	92.0	-0.33
MT1M	99.2	-0.16	PPM1K	99.6	-0.03	MAX	96.5	-0.37	C4orf33	90.9	-0.46	NRN1	93.2	-0.33	FLJ39739	95.2	-0.27	C9orf91	92.4	-0.32
RARRES3	99.2	-0.16	DDX3X	99.7	-0.02	NOD2	96.6	-0.36	NDC80	90.9	-0.46	RARRES3	93.5	-0.32	ARHGEF3	95.2	-0.27	LRG1	92.4	-0.32
SLC25A28	99.3	-0.15	IFITM3	99.7	-0.02	MSR1	96.8	-0.34	IFIT3	90.9	-0.46	C4orf32	93.8	-0.31	RIK2	95.4	-0.26	PMM2	92.7	-0.30
CX3CL1	99.3	-0.15	ADAR	99.7	-0.02	LAMP3	96.9	-0.33	CCR1	90.9	-0.46	TMEM51	94.0	-0.30	EIF3EIP	95.4	-0.26	PRKD2	92.7	-0.30
C9orf19	99.3	-0.15	MICB	99.8	-0.02	HLA-F	97.0	-0.32	SERPINB9	91.3	-0.44	SIRPA	94.0	-0.30	CMAH	95.6	-0.25	MAFF	93.1	-0.29
UBE2L6	99.3	-0.15	UNC93B1	100.0	0.00	DDIT4	97.0	-0.32	PMM2	91.3	-0.44	GTPBP1	94.0	-0.30	TDRD7	95.6	-0.25	RIK2	93.6	-0.27
CLEC2B	99.3	-0.14	IRF9	100.0	0.00	MARCKS	97.2	-0.30	EHD4	91.3	-0.44	CRP	94.0	-0.30	CCND3	95.8	-0.24	LGALS3	93.7	-0.26
BLVRA	99.3	-0.14	RBCK1	100.0	0.00	GBP4	97.3	-0.29	RGS1	91.3	-0.44	PIM3	94.0	-0.30	DHX58	96.0	-0.23	ISG15	94.0	-0.25
LINCR	99.4	-0.14	FNDC3B	100.1	0.01	BAG1	97.4	-0.28	GBP5	91.7	-0.42	CD80	94.3	-0.28	CCDC109B	96.0	-0.23	IL15	94.4	-0.23
IGFBP2	99.4	-0.14	C4orf33	100.2	0.01	ENPP1	97.5	-0.27	PCTK2	91.7	-0.42	PRIC285	94.3	-0.28	ISG15	96.0	-0.23	LGMN	94.6	-0.23
RBCK1	99.4	-0.14	SSBP3	100.2	0.01	AQP9	97.8	-0.24	AQP9	92.0	-0.40	LGALS3	94.3	-0.28	C5orf27	96.0	-0.23	C2orf31	94.6	-0.23
ANKRD22	99.4	-0.13	SECTM1	100.2	0.01	PNPT1	97.9	-0.23	ATF3	92.8	-0.36	RNASE4	94.5	-0.27	CCL8	96.2	-0.22	CCL8	94.9	-0.21
STAT2	99.5	-0.13	UBE2L6	100.2	0.01	TAP1	97.9	-0.23	ALDH1A1	93.1	-0.35	AGPAT9	94.5	-0.27	FNDC4	96.2	-0.22	RNF19B	94.9	-0.21
MAX	99.5	-0.12	IGFBP2	100.2	0.02	IFI6	97.9	-0.23	SAMHD1	93.1	-0.35	UBE2L6	94.5	-0.27	NCF1	96.2	-0.22	IL1R	95.0	-0.21
SERPINB9	99.5	-0.12	TRIM38	100.4	0.03	VAMP5	98.3	-0.20	CLEC4D	93.5	-0.33	MX1	94.5	-0.27	PLSCR1	96.4	-0.20	ERLIN1	95.2	-0.20
PPM1K	99.5	-0.12	SCO2	100.4	0.03	UNC93B1	98.3	-0.19	GCH1	93.5	-0.33	APOL1	94.8	-0.26	AKT3	96.4	-0.20	GTPBP2	95.2	-0.20
PDK1	99.6	-0.11	MT1X	100.5	0.03	MX1	98.3	-0.19	TRIM38	93.5	-0.33	CCL5	94.8	-0.26	SERPINB9	96.4	-0.20	ETV7	95.7	-0.18
FNDC3B	99.6	-0.11	SP110	100.5	0.03	IFI30	98.5	-0.18	FKBP5	93.5	-0.33	GBP4	95.1	-0.24	HLA-G	96.4	-0.20	DYNLT1	95.7	-0.18
PMM2	99.6	-0.11	BAG1	100.5	0.03	PTMA	98.6	-0.17	ELF1	93.5	-0.33	LGALS9	95.1	-0.24	B2M	96.6	-0.19	CCDC109B	96.0	-0.17
GCA	99.6	-0.10	CLEC2B	100.6	0.04	PRKD2	98.6	-0.16	CREB3L3	93.9	-0.31	GEM	95.3	-0.23	CD74	96.8	-0.18	RBCK1	96.3	-0.15
OASL	99.7	-0.09	MAFF	100.7	0.04	EXT1	98.7	-0.15	FNDC4	94.3	-0.29	TNFSF10	95.3	-0.23	GEM	96.8	-0.18	LINCR	96.3	-0.15
GK	99.7	-0.09	LAP3	100.8	0.05	LGALS9	98.7	-0.15	DDX58	94.3	-0.29	AKT3	95.6	-0.22	SLC25A28	97.0	-0.17	HSH2D	96.8	-0.13
IFIT5	99.8	-0.09	C15orf48	100.8	0.05	ARNTL	99.0	-0.13	LRG1	95.0	-0.25	TMEM140	95.6	-0.22	PBEF1	97.2	-0.16	CYP1B1	96.9	-0.13
cGAS	99.8	-0.08	NAPA	100.9	0.06	CCND3	99.0	-0.12	C5orf27	95.0	-0.25	TRAFD1	95.6	-0.22	CCL19	97.2	-0.16	TAP1	97.2	-0.12
CCL19	99.8	-0.08	SLFN5	100.9	0.06	GJA4	99.1	-0.11	LAP3	95.0	-0.25	MS4A4A	95.9	-0.21	DEFB1	97.4	-0.15	TYMP	97.3	-0.11
AQP9	99.8	-0.08	CES1	100.9	0.06	ULK4	99.2	-0.10	FLJ39739	95.4	-0.24	PSCD1	96.1	-0.19	BTN3A3	97.6	-0.14	IFIT2	97.5	-0.10
PNRC1	99.8	-0.08	PPM1K	101.0	0.06	IFI27	99.5	-0.07	PPM1K	95.4	-0.24	PNRC1	96.1	-0.19	CX3CL1	97.6	-0.14	B2M	97.5	-0.10
WHDC1	99.8	-0.08	CLEC4D	101.1	0.07	BTN3A3	99.9	-0.04	GK	95.7	-0.22	PRKD2	96.6	-0.17	NRN1	97.6	-0.14	UBE2L6	97.9	-0.09
LGALS3	99.9	-0.07	PMAIP1	101.2	0.08	JUNB	100.3	0.01	NT5C3	95.7	-0.22	MAP3K5	96.6	-0.17	PCTK2	97.7	-0.13	AGPAT9	98.4	-0.07
SOCS1	99.9	-0.07	ADFP	101.2	0.08	P2RY6	100.4	0.02	LIPA	96.1	-0.20	CCL8	96.6	-0.17	LGALS9	97.9	-0.12	MTHFD2L	98.4	-0.07
SLC25A30	99.9	-0.06	CYP1B1	101.2	0.08	SAMD4A	100.5	0.03	GBP3	96.1	-0.20	HESX1	96.9	-0.15	ERLIN1	98.1	-0.11	CLEC4D	98.4	-0.07
CD274	100.0	-0.06	SERPINB9	101.4	0.09	BCL2L14	100.6	0.04	C9orf19	96.1	-0.20	CCDC109B	96.9	-0.15	PFKFB3	98.3	-0.10	MAP3K5	98.8	-0.05
SECTM1	100.0	-0.06	EIF3EIP	101.4	0.09	DCP1A	100.9	0.07	UNC84B	96.5	-0.18	IFIT5	96.9	-0.15	ULK4	98.3	-0.10	GPX2	98.9	-0.04
MSR1	100.0	-0.05	SERPINE1	101.5	0.10	OASL	101.1	0.09	GZMB	96.5	-0.18	ETV6	96.9	-0.15	IL15	98.5	-0.08	ARNTL	99.4	-0.03
IL1RN	100.1	-0.04	DDIT4	101.5	0.10	SCO2	101.1	0.09	PMAIP1	96.5	-0.18	CCL2	96.9	-0.15	NDC80	98.5	-0.08	IFI27	99.5	-0.02
MAB21L2	100.1	-0.04	MT1G	101.6	0.10	TMEM49	101.1	0.09	TREX1	96.8	-0.16	IFI6	97.2	-0.14	IL28RA	98.5	-0.08	LGALS9	100.0	0.00
ELF1	100.1	-0.04	NRN1	101.6	0.10	APOL2	101.2	0.10	SLC15A3	96.8	-0.16	MX1	97.4	-0.13	EPAS1	98.7	-0.07	ATF3	100.1	0.00
GTPBP2	100.1	-0.04	SLC25A28	101.7	0.11	RARRES3	101.4	0.12	GBP2	96.8	-0.16	HLA-C	97.4	-0.13	PRAME	98.7	-0.07	GBP2	100.2	0.01
CTCFL	100.2	-0.04	ISG15	101.7	0.11	HESX1	101.6	0.14	WHDC1	96.8	-0.16	NMI	97.7	-0.12	S100A8	98.7	-0.07	AHNAK2	100.2	0.01
MT1G	100.2	-0.03	ZNF313	101.8	0.12	SNN	101.7	0.15	IFIT1	96.8	-0.16	IFI6	97.7	-0.12	MT1H	98.7	-0.07	NPAS2	100.4	0.02
ALDH1A1	100.3	-0.02	SERPING1	101.8	0.12	TREX1	101.8	0.15	TNFAIP3	96.8	-0.16	PSMB8	98.0	-0.10	CCL2	98.7	-0.07	PADI2	101.1	0.05
NRN1	100.3	-0.02	SIRPA	101.9	0.12	C4orf33	101.9	0.16	GEM	97.2	-0.14	LMO2	98.0	-0.10	ETV7	98.9	-0.06	FFAR2	101.3	0.05
STAT1	100.3	-0.02	HLA-E	101.9	0.12	SLC1A1	101.9	0.16	AIM2	97.2	-0.14	GBP2	98.0	-0.10	FAM46C	98.9	-0.06	NMI	101.4	0.06
IFI35	100.3	-0.02	GJA4	101.9	0.13	APOL1	101.9	0.17	GCA	97.6	-0.13	SOCS2	98.0	-0.10	BAG1	98.9	-0.06	PMAIP1	101.8	0.08
MT1H	100.3	-0.02	CCND3	101.9	0.13	PHF15	101.9	0.17	GBP4	97.6	-0.13	SLFN5	98.2	-0.09	MTHFD2L	98.9	-0.06	GCH1	102.3	0.09
C22orf28	100.3	-0.01	CCDC109B	101.9	0.13	HK2	102.2	0.19	UPP2	98.3	-0.09	BTN3A3	98.2	-0.09	APOBEC3A	99.1	-0.05	IFI35	102.6	0.11
PHF11	100.4	-0.01	PRIC285	102.1	0.14	KIAA0082	102.2	0.19	KIAA0040	98.3	-0.09	RSAD2	98.2	-0.09	IFI44	99.3	-0.04	NOD2	102.7	0.11
AXUD1	100.4	-0.01	CCL8	102.1	0.14	IFNGR1	102.3	0.20	OPTN	98.3	-0.09	SERPINB9	98.2	-0.09	IFI44L	99.3	-0.04	SLC25A30	103.1	0.13
CD69	100.4	-0.01	NPAS2	102.2	0.14	IRF2	102.4	0.22	B4GALT5	98.3	-0.09	CCL4	98.2	-0.09	PUS1	99.5	-0.03	RBM25	103.1	0.13
LIPA	100.4	0.00	BLVRA	102.2	0.15	BUB1	102.4	0.22	SPTLC2	99.1	-0.05	IFITM1	98.2	-0.09	ANKRD22	99.5	-0.03	GMPR	103.3	0.14
THOC4	100.4	0.00	PMM2	102.2	0.15	NAPA	102.6	0.23	ZNF313	99.1	-0.05	IFI44	98.5	-0.08	RGS1	99.5	-0.03	WARS	103.3	0.14
GMPR	100.4	0.00	PFKFB3	102.2	0.15	FKBP5	102.6	0.23	CCND3	99.4	-0.03	IMPA2	98.5	-0.08	IL17RB	99.7	-0.02	TXNIP	103.4	0.14
IL28RA	100.5	0.01	GTPBP2	102.3	0.15	SLFN5	102.7	0.24	MTHFD2L	99.4	-0.03	CD274	98.5	-0.08	PXK	99.7	-0.02	CSDA	103.9	0.16
IFNGR1	100.6	0.02	G6PC	102.3	0.15	CD69	102.8	0.26	NCF1	99.8	-0.02	ALDH1A1	98.5	-0.08	MCL1	99.7	-0.02	PLSCR1	104.2	0.17
ARNTL	100.6	0.02	MAX	102.3	0.15	IFI35	102.9	0.27	CLEC2B	99.8	-0.02	GAK	98.5	-0.08	PDK1	99.7	-0.02	RPL22	104.2	0.17
SERPING1	100.6	0.02	IMPA2	102.4	0.16	SSBP3	102.9	0.27	IL1R	99.8	-0.02	ISG15	98.7	-0.06	PPM1K	99.7	-0.02	PDK1	104.7	0.20
USP18	100.6	0.02	TYMP	102.4	0.16	ETV6	103.0	0.27	IFNGR1	99.8	-0.02	TYMP	98.7	-0.06	CEBPD	99.7	-0.02	FCGR1A	104.7	0.20
NCF1	100.6	0.03	AIM2	102.4	0.16	GLRX	103.0	0.27	EXT1	99.8	-0.02	CXCL10	99.0	-0.05	CRY1	99.9	-0.01	HK2	104.7	0.20
CCNA1	100.6	0.03	MT1H	102.4	0.16	AIM2	103.1	0.28	DDX60	99.8	-0.02	B2M	99.3	-0.04	C2orf31	99.9	-0.01	C22orf28	104.9	0.20

VV			PV			CVB			EAV			SINV-G			SINV-A			ONNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
MICB	100.6	0.03	STEAP4	102.4	0.16	PHF11	103.2	0.29	FLT1	99.8	-0.02	IL17RB	99.5	-0.03	GK	99.9	-0.01	NCOA3	104.9	0.20
CXCL9	100.7	0.03	IL1RN	102.4	0.16	COMMD3	103.2	0.29	SPSB1	100.2	0.00	SP110	99.5	-0.03	LMO2	100.1	0.00	CCDC92	105.0	0.21
FLJ39739	100.7	0.03	FUT4	102.5	0.16	ANKRD22	103.2	0.29	SECTM1	100.2	0.00	CCDC75	99.5	-0.03	EIF2AK2	100.1	0.00	MCL1	105.2	0.22
ETV7	100.7	0.03	GCA	102.5	0.17	CHMP5	103.3	0.31	RAB27A	100.2	0.00	WARS	99.5	-0.03	LY6E	100.3	0.01	C15orf48	105.6	0.23
THBD	100.8	0.04	CEBPD	102.5	0.17	TLR3	103.4	0.31	MT1G	100.5	0.02	TRIM34	99.8	-0.01	GBP2	100.3	0.01	AQP9	105.6	0.23
LMO2	100.8	0.05	OGFR	102.5	0.17	CRP	103.4	0.32	FAM46A	100.5	0.02	MARCKS	99.8	-0.01	HSH2D	100.3	0.01	PFKFB3	105.6	0.23
CLEC4D	100.9	0.06	PML	102.6	0.17	C4orf32	103.4	0.32	NRN1	100.9	0.04	CLEC2B	99.8	-0.01	UBE2L6	100.3	0.01	TNFAIP3	105.6	0.23
ABTB2	100.9	0.06	SAT3	102.7	0.18	BATF2	103.5	0.32	FLJ23556	100.9	0.04	CD163	99.8	-0.01	CCL4	100.3	0.01	JAK2	105.6	0.23
CD74	100.9	0.06	IFIT1	102.7	0.18	NUP50	103.5	0.32	LY6E	100.9	0.04	IL15RA	100.0	0.00	SP110	100.6	0.04	S100A8	105.9	0.25
COMMD3	100.9	0.07	GAK	102.8	0.18	ANGPTL1	103.7	0.34	IFI44L	100.9	0.04	TAP1	100.0	0.00	C10orf10	100.6	0.04	IFI6	105.9	0.25
LGMN	101.0	0.07	LINCR	102.8	0.18	KIAA0040	103.8	0.35	C22orf28	101.3	0.06	TRIM21	100.0	0.00	GPX2	100.6	0.04	CX3CL1	106.0	0.25
SAT3	101.0	0.07	IFI30	102.9	0.19	RTP4	103.8	0.35	CMAH	101.3	0.06	PHF15	100.0	0.00	VEGFC	100.6	0.04	C4orf32	106.0	0.25
ARG2	101.0	0.07	PHF11	102.9	0.19	CD38	103.9	0.37	AHNAK2	101.3	0.06	IFITM2	100.3	0.01	LGALS3	100.6	0.04	ADFP	106.2	0.26
GTPBP1	101.0	0.08	PBEF1	102.9	0.19	MS4A4A	104.1	0.39	SERPINE1	101.6	0.08	PADI2	100.6	0.03	CXCL10	100.8	0.05	UPP2	106.2	0.26
SSBP3	101.1	0.09	FNDC4	102.9	0.19	CCL4	104.2	0.39	CCL5	101.6	0.08	GBP3	100.8	0.04	CCL5	100.8	0.05	GK	106.2	0.26
LAP3	101.1	0.09	CXCL10	103.0	0.20	PLSCR1	104.2	0.39	JUNB	101.6	0.08	SAMHD1	100.8	0.04	NUP50	101.0	0.06	ABLIM3	106.3	0.26
INDO	101.2	0.10	OAS2	103.0	0.20	G6PC	104.2	0.40	NUP50	101.6	0.08	EIF3EIP	100.8	0.04	PI4K2B	101.0	0.06	C10orf10	106.3	0.26
C5orf27	101.3	0.11	PNRC1	103.0	0.20	PMM2	104.3	0.40	CDKN1A	101.6	0.08	TMEM49	100.8	0.04	P2RY6	101.2	0.07	ETV6	106.3	0.26
VEGFC	101.3	0.12	MT1M	103.0	0.20	OAS2	104.3	0.40	ISG15	102.0	0.10	BATF2	100.8	0.04	PLEKHA4	101.2	0.07	G6PC	106.5	0.27
PARP12	101.3	0.12	GPX2	103.0	0.20	GCH1	104.6	0.43	HEG1	102.0	0.10	LINCR	100.8	0.04	FLJ23556	101.2	0.07	DNAPTP6	106.5	0.27
HLA-E	101.4	0.12	ZNF385B	103.0	0.20	BLVRA	104.6	0.43	LINCR	102.4	0.11	ANKRD22	101.1	0.05	SLC16A1	101.4	0.08	FBXO6	106.6	0.28
ERLIN1	101.4	0.12	BATF2	103.1	0.20	FCGR1A	104.6	0.43	PRAME	102.4	0.11	HSH2D	101.1	0.05	PDGFRL	101.4	0.08	DUSP5	106.9	0.29
CYP1B1	101.4	0.12	IL15	103.1	0.20	CREB3L3	104.7	0.44	SERPING1	102.4	0.11	CD38	101.1	0.05	IFI30	101.6	0.09	TRAFD1	107.1	0.29
PDGFRL	101.4	0.12	C5orf27	103.1	0.20	ALDH1A1	104.7	0.44	ADAMDEC1	102.4	0.11	CD74	101.1	0.05	MT1F	101.6	0.09	TRIM34	107.2	0.30
APOL2	101.4	0.13	LGALS3	103.1	0.20	FAM125B	104.8	0.45	WARS	102.4	0.11	IL1R	101.6	0.08	FBXO6	102.0	0.11	ISG20	107.2	0.30
TRIM34	101.5	0.14	CCL19	103.1	0.21	SP110	104.8	0.46	TRAFD1	102.4	0.11	ERLIN1	101.6	0.08	DCP1A	102.0	0.11	CCL19	107.4	0.31
GCH1	101.6	0.15	KIAA1618	103.2	0.21	SPTLC2	104.9	0.46	DCP1A	102.4	0.11	IFIT3	101.6	0.08	RNF19B	102.0	0.11	HLA-G	107.9	0.33
CCDC109B	101.6	0.16	B2M	103.2	0.21	TAGAP	104.9	0.46	IFI30	102.8	0.13	PMAIP1	101.6	0.08	ARNTL	102.2	0.12	KIAA0040	108.1	0.34
IFI44	101.7	0.17	FAM125B	103.2	0.21	IFIT3	104.9	0.46	ETV7	102.8	0.13	GPX2	101.6	0.08	RBCK1	102.2	0.12	ELF1	108.1	0.34
DHX58	101.8	0.18	C22orf28	103.2	0.21	FBXO6	104.9	0.46	STAT1	102.8	0.13	MT1G	102.1	0.10	RARRES3	102.2	0.12	C4orf33	108.2	0.34
NMI	101.8	0.18	CD80	103.2	0.21	CCL5	104.9	0.46	CCDC75	102.8	0.13	C4orf33	102.4	0.12	CYP1B1	102.2	0.12	KIAA0082	108.4	0.35
CD38	101.9	0.19	ANKRD22	103.2	0.21	CTCFL	104.9	0.47	GAK	103.1	0.15	SAA1	102.4	0.12	MT1M	102.2	0.12	ATP10D	108.4	0.35
CES1	101.9	0.19	PUS1	103.3	0.22	CXCL11	105.1	0.48	C10orf10	103.1	0.15	MT1H	102.4	0.12	MT1G	102.2	0.12	VAMP5	108.5	0.35
UPP2	101.9	0.19	IFI35	103.3	0.22	PCTK2	105.1	0.48	IFIT5	103.1	0.15	PCTK2	102.7	0.13	SERPING1	102.4	0.13	GLRX	108.7	0.36
MX1	101.9	0.19	CXCL11	103.3	0.22	CDKN1A	105.1	0.48	IL17RB	103.1	0.15	GMPR	102.7	0.13	WARS	102.4	0.13	USP18	109.1	0.38
TAP1	101.9	0.19	PLSCR1	103.3	0.22	KIAA1618	105.1	0.48	INDO	103.1	0.15	LEPR	102.9	0.14	PNRC1	102.4	0.13	GEM	109.2	0.38
TNSF13B	101.9	0.19	GTPBP1	103.3	0.22	CD274	105.1	0.48	NFIL3	103.1	0.15	VEGFC	103.2	0.15	PRKD2	102.6	0.14	RAB27A	109.4	0.39
APOL1	101.9	0.19	TNSF13B	103.3	0.22	GMPR	105.1	0.48	PCTK3	103.1	0.15	ABTB2	103.5	0.17	EPSTI1	102.6	0.14	PSCD1	109.4	0.39
FAM70A	102.0	0.20	VEGFC	103.4	0.22	SLC25A28	105.1	0.48	GTPBP1	103.5	0.17	TNSF13B	103.5	0.17	GBP1	102.8	0.16	FKBP5	109.8	0.41
SPTLC2	102.0	0.20	LRG1	103.4	0.22	GEM	105.3	0.50	ANGPTL1	103.5	0.17	TNFAIP6	103.5	0.17	OASL	102.8	0.16	CD38	110.1	0.42
C9orf91	102.0	0.20	FLJ39739	103.4	0.22	GK	105.3	0.51	SIRPA	103.9	0.19	C10orf10	103.5	0.17	CD80	102.8	0.16	MX2	110.1	0.42
MCOLN2	102.0	0.21	MCL1	103.6	0.24	MCL1	105.4	0.51	FBXO6	103.9	0.19	NDC80	103.7	0.18	SAA1	102.8	0.16	FAM46A	110.3	0.43
TMEM49	102.1	0.21	MTHFD2L	103.6	0.24	PRIC285	105.4	0.51	SOCS1	103.9	0.19	STEAP4	103.7	0.18	IMPA2	103.0	0.17	EPAS1	110.4	0.43
MCL1	102.1	0.22	ADM	103.6	0.24	ADFP	105.4	0.51	ZNF295	103.9	0.19	OPTN	103.7	0.18	CCDC75	103.2	0.18	GBP1	110.5	0.44
CXCL10	102.1	0.22	MT1F	103.6	0.24	IFITM3	105.4	0.51	MT1H	104.2	0.21	ARNTL	104.0	0.19	PHF11	103.2	0.18	IL6ST	110.5	0.44
SLC15A3	102.2	0.23	TMEM51	103.6	0.24	SOCS1	105.4	0.51	PHF15	104.2	0.21	S100A8	104.0	0.19	ZNF385B	103.2	0.18	MSR1	110.7	0.44
IL1R	102.2	0.23	TIMP1	103.6	0.24	RNASE4	105.4	0.51	MAFF	104.2	0.21	IFI30	104.0	0.19	BCL3	103.4	0.19	CRY1	110.8	0.45
CD9	102.3	0.24	DYNLT1	103.6	0.24	SAT3	105.5	0.52	ARNTL	104.2	0.21	AXUD1	104.2	0.20	CNP	103.4	0.19	ULK4	111.0	0.46
SAMHD1	102.3	0.24	CDKN1A	103.6	0.24	PSMB8	105.5	0.52	RPL22	104.2	0.21	PRAME	104.2	0.20	PMAIP1	103.6	0.20	CXCL10	111.3	0.47
AHNAK2	102.4	0.25	LGMN	103.6	0.24	MTHFD2L	105.5	0.52	IFITM3	104.6	0.22	CXCL9	104.2	0.20	ARG2	103.6	0.20	EPSTI1	111.3	0.47
IL17RB	102.4	0.26	CMAH	103.6	0.24	PLEKHA4	105.6	0.53	IFI35	104.6	0.22	BAG1	104.2	0.20	BATF2	103.7	0.21	IRF9	111.3	0.47
PXK	102.4	0.26	CCL4	103.6	0.24	GBP5	105.6	0.53	APOL2	104.6	0.22	OAS2	104.5	0.22	C22orf28	103.7	0.21	CCL4	111.3	0.47
TCF7L2	102.4	0.26	BTN3A3	103.6	0.24	DHX58	105.6	0.53	CRY1	104.6	0.22	CTCFL	104.5	0.22	C1S	103.9	0.22	SAMHD1	111.4	0.48
CCDC75	102.5	0.27	GZMB	103.6	0.24	MT1X	105.6	0.53	PI4K2B	105.0	0.24	BCL2L14	104.5	0.22	SNN	104.1	0.23	PUS1	111.6	0.48
MAP3K5	102.5	0.27	PDK1	103.6	0.24	GBP1	105.6	0.54	ETV6	105.0	0.24	ULK4	104.5	0.22	PHF15	104.1	0.23	PSMB9	111.8	0.49
DTX3L	102.5	0.27	TMEM49	103.8	0.25	IRF7	105.6	0.54	EPSTI1	105.0	0.24	USP18	104.5	0.22	GTPBP1	104.1	0.23	OASL	111.8	0.49
IFITM3	102.5	0.28	S100A8	103.8	0.25	SAA1	105.7	0.54	NCOA3	105.0	0.24	CCND3	104.5	0.22	TNFAIP3	104.1	0.23	PML	112.0	0.50
PUS1	102.6	0.28	HLA-C	103.8	0.25	CMAH	105.7	0.54	SMAD3	105.3	0.26	C5orf27	104.5	0.22	STEAP4	104.1	0.23	OPTN	112.0	0.50
SLFN5	102.6	0.29	CRP	103.8	0.25	CASP7	105.7	0.55	USP18	105.7	0.28	COMMD3	105.0	0.24	G6PC	104.3	0.24	CCL5	112.0	0.50
G6PC	102.6	0.29	CXCL9	104.0	0.26	HLA-G	105.8	0.55	BAG1	105.7	0.28	C9orf19	105.0	0.24	ETV6	104.3	0.24	PSMB8	112.1	0.51
IFI27	102.7	0.30	PLEKHA4	104.0	0.26	UPP2	105.8	0.55	PLEKHA4	105.7	0.28	NFIL3	105.0	0.24	RPL22	104.7	0.26	SAT3	112.1	0.51
PNPT1	102.8	0.30	CD74	104.0	0.27	CRY1	105.9	0.56	TRIM5	105.7	0.28	GLRX	105.0	0.24	SERPINE1	104.7	0.26	PARP12	112.3	0.51
BATF2	102.8	0.31	STARD5	104.1	0.27	C22orf28	105.9	0.56	SLC1A1	105.7	0.28	IFI27	105.0	0.24	PCTK3	104.7	0.26	GBP5	112.4	0.52
SERPINE1	102.8	0.31	IFIT5	104.1	0.27	NRN1	105.9	0.56	PHF11	105.7	0.28	SERPINE1	105.0	0.24	IFIT3	104.9	0.27	PI4K2B	112.6	0.52
TMEM51	102.8	0.32	LIPA	104.2	0.28	RPL22	105.9	0.57	MS4A4A	105.7	0.28	MCOLN2	105.3	0.26	ADAMDEC1	105.1	0.29	SOCS2	112.7	0.53
EIF3EIP	102.9	0.32	WHDC1	104.3	0.28	CPT1A	106.0	0.57	LGMN	106.1	0.30	FNDC4	105.3	0.26	LAP3	105.1	0.29	PXK	112.7	0.53
DNAPTP6	102.9	0.32	RASSF4	104.3	0.29	CFB	106.0	0.57	NMI	106.1	0.30	IFIT2	105.5	0.27	GBP4	105.3	0.30	SMAD3	112.9	0.54
IRF9	102.9	0.32	GBP2	104.3	0.29	ABTB2	106.0	0.58	IFIT2	106.1	0.30	PLSCR1	105.5	0.27	HESX1	105.3	0.30	IFIT5	112.9	0.54
PHF15	103.0	0.33	TNFAIP6	104.3	0.29	GPX2	106.1	0.58	VEGFC	106.5	0.32	GCA	105.5	0.27	C15orf48	105.3	0.30	TRIM21	113.2	0.55
IFIT2	103.0	0.34	C1S	104.4	0.29	C15orf48	106.1	0.59	TMEM49	106.5	0.32	MTHFD2L	105.5	0.27	MAFF	105.3	0.30	DEFB1	113.6	0.57
GBP1	103.0	0.34	DEFB1	104.5	0.30	TNFAIP6	106.2	0.59	ATP10D	106.5	0.32	MAX	105.5	0.27	GMPR	105.5	0.31	IFIT1	113.7	0.57
IL15	103.0	0.34	PSCD1	104.5	0.30	TNSF13B	106.2	0.59	ODC1	106.5	0.32	CEBPD	105.5	0.27	IFI35	105.5	0.31	LMO2	113.9	0.58
IFI6	103.1	0.34	IFI44	104.5	0.30	IGFBP2	106.3	0.60	MAP3K5	106.8	0.33	HERC6	106.1	0.29	FFAR2	105.5	0.31	SP110	113.9	0.58
LGALS9	103.1	0.35	GALNT2	104.5	0.30	FLJ39739	106.3	0.60	CD38	106.8	0.33	ELF1	106.1	0.29	CXCL11	105.7	0.32	TFEC	114.3	0.60
PSMB8	103.2	0.36	C9orf19	104.6	0.30	FAM46C	106.3	0.60	PADI2	107.6	0.37	AMPH	106.3	0.31	FER1L3	105.7	0.32	TAP2	114.6	0.61
FAM125B	103.2	0.36	APOL1	104.7	0.31	IFITM2	106.4	0.61	TNFSF10	107.6	0.37	SERPING1	106.3	0.31	TMEM51	105.9	0.33	TLR3	114.6	0.61
CREB3L3	103.3	0.37	GMPR	104.7	0.31	IL17RB	106.4	0.61	CASP7	107.6	0.37	NOS2A	106.3	0.31	NOD2	105.9	0.33	GZMB	114.8	0.61
TNFAIP6	103.3	0.37	USP18	104.7	0.31	HEG1	106.4	0.61	TLR3	107.6	0.37	EXT1	106.6	0.32	COMMD3	105.9	0.33	LEPR	114.8	0.61
ABLIM3	103.4	0.39	HLA-F	104.8	0.32	HSH2D	106.4	0.61	TAP1	107.9	0.39	C22orf28	106.6	0.32	IGFBP2	105.9	0.33	ADAR	115.3	0.64
IFITM2	103.5	0.39	IRF7	104.8	0.32	CCL8	106.4	0.61	SLC16A1	107.9	0.39	DNAPTP6	106.9	0.33	OAS3	105.9	0.33	TRIM38	115.5	0.64
ULK4	103.5	0.40	CD9	105.0	0.33	VEGFC	106.4	0.61	GMPR	108.3	0.41	ADFP	106.9	0.33	GBP3	106.1	0.34	GTPBP1	115.5	0.64
CPT1A	103.5	0.40	PSMB8	105.0	0.33	PMAIP1	106.5	0.62	ABLIM3	108.3	0.41	PUS1	107.1	0.35	GZMB	106.1	0.34	PNPT1	115.5	0.64
UNC84B	103.6	0.41	SAMHD1	105.0	0.33	PI4K2B	106.5	0.63	TNSF13B	108.7	0.43	NCF1	107.1	0.35	TAGAP	106.3	0.35	TRIM5	115.6	0.65

VV			PV			CVB			EAV			SINV-G			SINV-A			ONNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
BUB1	103.6	0.41	HPSE	105.1	0.34	SECTM1	106.6	0.63	COMMD3	108.7	0.43	PFKFB3	107.4	0.36	TRIM38	106.5	0.36	PLEKHA4	115.6	0.65
CASP1	103.6	0.42	CD69	105.3	0.35	NMI	106.6	0.63	FNDC3B	108.7	0.43	CX3CL1	107.6	0.37	CREB3L3	106.5	0.36	CTCFL	115.6	0.65
C10orf10	103.7	0.42	MS4A4A	105.3	0.35	STARD5	106.6	0.63	TCF7L2	108.7	0.43	KIAA0082	107.9	0.38	NAPA	106.5	0.36	FNDC3B	115.6	0.65
PMAIP1	103.7	0.42	CHMP5	105.4	0.36	EIF3EIP	106.7	0.64	HLA-E	109.0	0.44	XAF1	108.2	0.40	GLRX	106.6	0.37	TDRD7	115.8	0.66
CHMP5	103.7	0.43	GLRX	105.4	0.36	CXCL10	106.7	0.64	PFKFB3	109.0	0.44	FKBP5	108.2	0.40	FKBP5	106.8	0.38	ABTB2	116.1	0.67
CD80	103.7	0.43	GEM	105.4	0.36	WARS	106.8	0.65	CLEC4E	109.0	0.44	DEFB1	108.2	0.40	TNFSF10	106.8	0.38	CPT1A	116.2	0.67
IL6ST	103.7	0.43	CCL5	105.6	0.37	GBP2	106.8	0.65	LGALS9	109.8	0.48	OAS1	108.2	0.40	TMEM49	106.8	0.38	BCL2L14	116.2	0.67
MS4A4A	103.7	0.43	SAA1	105.6	0.37	EPAS1	106.8	0.65	CD9	109.8	0.48	LY6E	108.4	0.41	SCO2	106.8	0.38	HERC6	116.3	0.68
CFB	103.8	0.44	PADI2	105.6	0.37	CCDC75	106.8	0.66	SCO2	109.8	0.48	APOL2	108.4	0.41	SPTLC2	107.0	0.39	MT1X	116.5	0.69
AMPH	103.9	0.45	TRIM5	105.7	0.38	CCDC109B	106.9	0.66	BTN3A3	110.1	0.50	IFI44L	108.4	0.41	CLEC2B	107.0	0.39	STEAP4	116.6	0.69
HESX1	103.9	0.45	ABTB2	105.7	0.38	INDO	106.9	0.66	CX3CL1	110.1	0.50	PCTK3	108.4	0.41	DUSP5	107.4	0.42	TNFSF10	116.6	0.69
PLEKHA4	104.0	0.46	RAB27A	105.7	0.38	CLEC4E	106.9	0.66	FAM134B	110.5	0.52	IL15	108.7	0.42	HEG1	107.4	0.42	PCTK3	116.6	0.69
C4orf33	104.2	0.49	RPL22	105.7	0.38	TRIM38	106.9	0.66	PSCD1	110.5	0.52	CXCL11	109.0	0.44	DYNLT1	107.4	0.42	PRAME	116.8	0.70
OAS3	104.2	0.49	PRKD2	105.7	0.38	CD74	106.9	0.67	CEBPD	110.9	0.54	NUP50	109.0	0.44	BUB1	107.4	0.42	IFIT3	117.2	0.72
TDRD7	104.3	0.50	PRAME	105.7	0.38	ISG15	107.0	0.67	SSBP3	110.9	0.54	ARG2	109.0	0.44	STAP1	107.4	0.42	IFI44	117.4	0.72
PCTK2	104.3	0.50	PXK	105.8	0.39	C2orf31	107.1	0.68	TNFAIP6	110.9	0.54	TFEC	109.0	0.44	PSCD1	108.2	0.46	CD163	117.4	0.72
TNFSF10	104.3	0.51	PI4K2B	105.9	0.39	SOCS2	107.1	0.68	BLVRA	111.3	0.55	EPSTI1	109.2	0.45	C4orf33	108.2	0.46	CD69	117.7	0.73
PRAME	104.3	0.51	C10orf10	106.0	0.40	B2M	107.1	0.68	GLRX	111.3	0.55	SAT3	109.5	0.46	CCNA1	108.2	0.46	ANKRD22	117.7	0.73
MT1X	104.4	0.51	CREB3L3	106.0	0.40	PSCD1	107.1	0.68	SOCS2	111.3	0.55	MT1F	109.7	0.47	UNC84B	108.4	0.47	CASP7	117.9	0.75
OPTN	104.4	0.52	CCR1	106.0	0.40	LY6E	107.1	0.68	ULK4	111.3	0.55	GBP1	110.0	0.49	PADI2	108.6	0.48	GJA4	118.1	0.75
SAMD4A	104.4	0.52	KIAA0082	106.1	0.40	PBEF1	107.3	0.70	SCARB2	111.3	0.55	PBEF1	110.0	0.49	GCA	108.8	0.49	CD274	118.2	0.76
KIAA1618	104.4	0.52	TAGAP	106.2	0.41	PDK1	107.3	0.70	S100A8	111.6	0.57	HEG1	110.0	0.49	IFIT1	108.8	0.49	CRP	118.2	0.76
HEG1	104.6	0.54	TXNIP	106.3	0.42	AXUD1	107.3	0.70	CD69	111.6	0.57	HLA-E	110.0	0.49	IFI6	108.8	0.49	PCTK2	118.2	0.76
JUNB	104.6	0.54	RNASE4	106.3	0.42	PML	107.3	0.71	PUS1	112.0	0.59	SSBP3	110.3	0.50	MYD88	108.8	0.49	NFIL3	118.2	0.76
TAGAP	104.6	0.55	VAMP5	106.4	0.42	PUS1	107.3	0.71	PNRC1	112.4	0.61	DUSP5	110.3	0.50	SLFN5	109.0	0.50	B4GALT5	118.2	0.76
HLA-F	104.7	0.56	WARS	106.6	0.44	TYMP	107.4	0.71	CRP	112.4	0.61	FLJ23556	110.3	0.50	ABLIM3	109.0	0.50	SLC16A1	118.4	0.76
HES4	104.7	0.56	CTCFL	106.6	0.44	SAMHD1	107.4	0.71	DHX58	112.4	0.61	DCP1A	110.8	0.53	TBX3	109.0	0.50	TNFAIP6	118.4	0.76
RPL22	104.8	0.57	SPSB1	106.6	0.44	GZMB	107.4	0.71	SLFN5	112.4	0.61	PMM2	111.0	0.54	DDX3X	109.0	0.50	MARCKS	118.4	0.76
BCL2L14	104.8	0.57	HEG1	106.7	0.44	CES1	107.4	0.71	ANKRD22	112.4	0.61	FER1L3	111.0	0.54	VAMP5	109.0	0.50	PRIC285	118.5	0.77
KIAA0082	104.8	0.57	B4GALT5	106.9	0.46	ISG20	107.4	0.71	CD274	112.4	0.61	ATP10D	111.3	0.55	TRIM34	109.2	0.51	GBP4	118.5	0.77
CCL5	104.9	0.58	CPT1A	107.0	0.46	PPM1K	107.5	0.72	CD80	112.4	0.61	PXK	111.6	0.56	TRIM21	109.4	0.53	DHX58	118.7	0.78
GJA4	104.9	0.58	NUP50	107.2	0.48	PXK	107.6	0.73	BLZF1	112.4	0.61	RGS1	111.8	0.58	AXUD1	109.4	0.53	RARRES3	118.7	0.78
CEBPD	104.9	0.59	HESX1	107.2	0.48	CCL2	107.6	0.73	IGFBP2	112.7	0.63	PI4K2B	111.8	0.58	USP18	109.4	0.53	NUP50	118.8	0.78
MAFB	105.0	0.59	PTMA	107.4	0.49	XAF1	107.6	0.73	SLC25A30	112.7	0.63	IFI16	111.8	0.58	RTP4	109.4	0.53	PDGFRL	119.1	0.80
TLR3	105.1	0.61	PSMB9	107.5	0.50	ETV7	107.7	0.74	PDGFRL	113.1	0.65	ARHGEF3	112.1	0.59	IFNGR1	109.7	0.55	KIAA1618	119.2	0.80
SP110	105.2	0.62	AQP9	107.8	0.52	FAM70A	107.7	0.74	KIAA0082	113.1	0.65	FAM125B	112.4	0.60	FAM46A	109.9	0.56	XAF1	119.2	0.80
WARS	105.2	0.62	SLC16A1	107.9	0.53	IFIT5	107.7	0.74	BATF2	113.5	0.66	SPTLC2	112.6	0.62	C9orf19	109.9	0.56	RNASE4	119.2	0.80
CXCL11	105.2	0.62	SPTLC2	107.9	0.53	LINCR	107.7	0.74	TRIM34	113.5	0.66	TCF7L2	112.6	0.62	CRP	109.9	0.56	NDC80	119.4	0.81
VAMP5	105.2	0.63	SOCS1	108.0	0.53	UBE2L6	107.8	0.75	AGPAT9	113.8	0.68	MAFF	112.6	0.62	SAMHD1	110.1	0.57	CMAH	119.5	0.81
GBP4	105.2	0.63	CRY1	108.0	0.53	PFKFB3	107.8	0.75	TAGAP	113.8	0.68	ADAMDEC1	112.9	0.63	NFIL3	110.1	0.57	MX1	119.8	0.83
TAP2	105.3	0.64	PDGFRL	108.1	0.54	GTPBP2	107.8	0.75	IL15RA	113.8	0.68	RNF19B	112.9	0.63	STAT1	110.1	0.57	SAA1	120.0	0.83
NDC80	105.4	0.64	MAB21L2	108.2	0.55	LMO2	107.9	0.76	CTCFL	114.6	0.72	PDK1	113.1	0.64	LIPA	110.3	0.58	TNSF13B	120.8	0.87
ABCA9	105.4	0.65	C4orf32	108.5	0.56	SERPINE1	107.9	0.76	HERC6	114.6	0.72	BUB1	113.1	0.64	RNASE4	110.5	0.59	PHF15	121.0	0.87
DEFB1	105.4	0.65	SNN	108.5	0.56	S100A8	108.0	0.77	XAF1	114.6	0.72	NAPA	113.4	0.65	APOL2	110.5	0.59	NAPA	121.0	0.87
OAS2	105.7	0.69	CFB	108.6	0.57	DEFB1	108.1	0.78	HLA-G	115.0	0.74	C9orf91	113.4	0.65	HK2	110.5	0.59	ALDH1A1	121.3	0.89
HLA-G	106.0	0.73	HLA-G	108.7	0.58	SERPINB9	108.1	0.78	RARRES3	115.0	0.74	C15orf48	113.7	0.67	IL1R	110.7	0.60	HESX1	121.3	0.89
DCP1A	106.1	0.74	MSR1	108.7	0.58	DYNLT1	108.1	0.78	MSR1	115.3	0.76	APOL6	113.7	0.67	SIRPA	110.7	0.60	PNRC1	121.4	0.89
ETV6	106.1	0.74	LY6E	108.8	0.58	TRIM5	108.2	0.79	IFI44	115.7	0.77	CFB	113.9	0.68	ISG20	110.9	0.61	BATF2	121.7	0.90
CASP7	106.2	0.75	IL17RB	108.9	0.59	STAP1	108.2	0.79	BST2	115.7	0.77	NT5C3	114.2	0.69	ABTB2	111.1	0.62	IL15RA	122.0	0.92
MX1	106.2	0.75	CD38	108.9	0.59	CXCL9	108.3	0.80	CPT1A	116.1	0.79	TIMP1	114.2	0.69	TMEM140	111.1	0.62	EIF3EIP	122.6	0.94
CRP	106.2	0.75	SLC25A30	109.2	0.61	LGMN	108.3	0.80	SP110	116.1	0.79	NOD2	114.5	0.71	BLVRA	111.1	0.62	CCR1	122.6	0.94
GPX2	106.3	0.77	LMO2	109.4	0.63	CD9	108.4	0.81	C4orf32	116.4	0.81	HK2	114.5	0.71	XAF1	111.5	0.65	MS4A4A	122.6	0.94
CCL8	106.3	0.77	SCARB2	109.4	0.63	C9orf19	108.4	0.81	GPX2	116.4	0.81	KIAA0040	114.5	0.71	RSAD2	111.5	0.65	IL17RB	123.0	0.96
P2RY6	106.5	0.79	ERLIN1	109.4	0.63	PRAME	108.4	0.81	PNPT1	116.4	0.81	GTPBP2	114.5	0.71	OAS2	112.1	0.68	DCP1A	123.2	0.96
FKBP5	106.5	0.79	THOC4	109.6	0.64	PSMB9	108.5	0.81	TMEM140	116.4	0.81	MT1M	114.5	0.71	LEPR	112.1	0.68	SERPING1	123.3	0.97
C15orf48	106.8	0.83	FBXO6	109.7	0.65	CCL19	108.5	0.82	IFI16	116.4	0.81	AHNAK2	114.7	0.72	PMM2	112.3	0.69	CXCL11	123.3	0.97
PSMB9	106.8	0.83	CASP7	110.0	0.66	SPSB1	108.6	0.83	CXCL11	116.8	0.83	GK	114.7	0.72	CD38	112.3	0.69	CD9	123.6	0.98
SNN	106.9	0.85	DHX58	110.2	0.68	MAFF	108.7	0.83	STEAP4	116.8	0.83	CASP7	115.0	0.73	NOS2A	112.5	0.70	APOL1	123.6	0.98
ZNF313	106.9	0.85	C9orf91	110.2	0.68	LAP3	108.8	0.85	PML	116.8	0.83	ISG20	115.0	0.73	SSBP3	112.7	0.71	BUB1	123.6	0.98
NOD2	107.0	0.85	JUNB	110.3	0.68	MYD88	108.8	0.85	RNF19B	117.2	0.85	OAS3	115.0	0.73	TNFAIP6	112.7	0.71	BTN3A3	123.9	0.99
PADI2	107.1	0.87	EXT1	110.4	0.69	SERPING1	109.0	0.87	TFEC	117.9	0.88	PPM1K	115.2	0.74	OPTN	112.8	0.72	CCDC75	123.9	0.99
TRIM5	107.3	0.90	CD274	110.4	0.69	MAB21L2	109.0	0.87	TMEM51	118.3	0.90	CHMP5	115.2	0.74	MX1	112.8	0.72	SOCS1	124.3	1.01
C4orf32	107.5	0.92	SOCS2	111.0	0.73	CYP1B1	109.0	0.87	NOD2	118.3	0.90	PARP12	116.3	0.79	PNPT1	112.8	0.72	INDO	124.3	1.01
TRIM38	107.5	0.93	INDO	111.3	0.75	HLA-E	109.1	0.88	TAP2	118.3	0.90	NCOA3	116.3	0.79	IFIT2	113.0	0.73	IFNGR1	124.5	1.02
PTMA	107.5	0.93	SLC15A3	111.5	0.76	ARG2	109.2	0.89	APOL6	118.6	0.92	B4GALT5	116.5	0.81	ATP10D	113.2	0.74	OAS2	124.6	1.02
PLSCR1	108.1	1.00	RNF19B	111.6	0.77	LGALS3	109.2	0.89	PXK	119.0	0.94	VAMP5	116.8	0.82	KIAA0040	113.2	0.74	ODC1	124.6	1.02
SAA1	108.2	1.02	ANKFY1	112.0	0.80	GTPBP1	109.2	0.89	VAMP5	119.4	0.96	BLVRA	116.8	0.82	AHNAK2	113.4	0.75	MASTL	124.9	1.04
ADAR	108.4	1.04	FCGR1A	112.1	0.81	FUT4	109.3	0.90	HK2	119.4	0.96	UPP2	117.1	0.83	MX1	114.0	0.79	THBD	124.9	1.04
IFI44L	108.5	1.05	CCDC92	112.4	0.82	NFIL3	109.3	0.90	ENPP1	119.4	0.96	DYNLT1	117.1	0.83	NT5C3	114.2	0.80	GALNT2	125.2	1.05
RNF19B	108.5	1.05	TNFSF10	112.9	0.86	PARP12	109.4	0.91	RTP4	119.4	0.96	C1S	117.3	0.85	TNSF13B	114.4	0.81	CES1	125.5	1.06
KIAA0040	108.7	1.09	ETV6	113.6	0.90	HPSE	109.5	0.92	IFITM3	119.8	0.98	LGMN	117.3	0.85	CASP7	114.4	0.81	APOL2	126.1	1.09
TRAFD1	108.8	1.10	GBP5	113.7	0.91	AMPH	109.7	0.94	GJA4	119.8	0.98	MX2	117.6	0.86	BCL2L14	114.4	0.81	CD80	126.1	1.09
CRY1	108.9	1.10	HK2	114.0	0.93	SMAD3	109.8	0.95	SAT3	120.1	0.99	ADM	117.6	0.86	APOL6	114.4	0.81	OAS1	126.2	1.09
RTP4	109.2	1.14	AMPH	114.4	0.96	ANKFY1	110.1	0.97	HESX1	120.5	1.01	SLC25A30	117.9	0.87	SAT3	114.6	0.82	FAM46C	126.4	1.10
GLRX	109.3	1.16	TRIM14	115.0	1.00	TMEM140	110.4	1.01	ABTB2	120.5	1.01	ODC1	117.9	0.87	PPM1K	114.6	0.82	LAMP3	126.5	1.10
IFIT3	109.8	1.22	TBX3	115.5	1.03	RIK2	110.7	1.03	AXUD1	120.5	1.01	KIAA1618	118.1	0.88	MS4A4A	114.8	0.83	RTP4	126.6	1.11
CCL4	110.1	1.26	TRIM34	115.6	1.04	CSDA	110.8	1.05	NOS2A	120.5	1.01	IFNGR1	118.1	0.88	TCF7L2	115.0	0.84	ENPP1	126.8	1.12
JAK2	110.8	1.35	AXUD1	116.0	1.07	LRG1	111.0	1.07	B2M	120.9	1.03	C2orf31	118.1	0.88	SLC25A30	115.4	0.86	DDX58	126.9	1.12
AIM2	110.8	1.36	RTP4	116.3	1.08	PADI2	111.1	1.07	TXNIP	120.9	1.03	DTX3L	118.6	0.91	IFI16	115.7	0.88	SLFN5	127.2	1.13
TRIM14	110.9	1.37	ETV7	116.7	1.11	TXNIP	111.2	1.08	MX1	120.9	1.03	CYP1B1	118.9	0.92	TFEC	115.9	0.90	TMEM140	127.5	1.15
CMAH	111.1	1.39	CCDC75	117.4	1.16	RNF19B	111.7	1.14	IMPA2	121.2	1.05	CPT1A	119.4	0.95	MKX	116.3	0.92	APOL6	127.5	1.15
XAF1	111.3	1.42	SMAD3	117.6	1.17	CCDC92	112.2	1.18	MASTL	121.2	1.05	IL6ST	119.4	0.95	IL15RA	116.5	0.93	AXUD1	127.7	1.15
RNASE4	111.6	1.46	DNAPTP6	117.8	1.18	SCARB2	114.2	1.39	FER1L3	121.2	1.05	STAP1	119.4	0.95	CPT1A	116.5	0.93	ANGPTL1	128.0	1.16

VV			PV			CVB			EAV			SINV-G			SINV-A			ONNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
SMAD3	111.6	1.46	MAFB	120.1	1.34	EPSTI1	114.3	1.39	SAA1	121.6	1.07	FLT1	119.7	0.96	SLC1A1	116.9	0.95	SPTLC2	128.2	1.18
TXNIP	111.8	1.49	ARHGEF3	121.7	1.45	C10orf10	114.9	1.45	JAK2	122.0	1.09	CREB3L3	120.2	0.99	UPP2	117.3	0.97	AMPH	128.7	1.19
IFI6	113.8	1.75	PIM3	122.8	1.52	TNFSF10	120.1	1.97	TBX3	122.3	1.10	DDX3X	120.2	0.99	HERC6	117.5	0.98	FAM125B	129.3	1.22
TFEC	113.9	1.76	SAMD4A	123.1	1.53	TMEM51	120.4	2.00	TDRD7	122.3	1.10	TAP2	121.0	1.03	ENPP1	118.5	1.04	RNF24	129.3	1.22
RIK2	115.2	1.93	ISG20	124.9	1.66	FNDC3B	122.0	2.16	DDX3X	122.7	1.12	PPM1K	121.5	1.05	CD163	118.8	1.06	PHF11	129.4	1.22
DDX3X	115.6	1.98	CSDA	128.6	1.90	PIM3	125.5	2.50	NPAS2	123.1	1.14	LAP3	122.0	1.08	B4GALT5	119.4	1.09	C9orf19	129.5	1.23
ISG20	118.4	2.35	EPAS1	129.6	1.97	MAP3K5	126.4	2.59	IFITM2	123.8	1.18	TBX3	122.6	1.10	DNAPTP6	119.6	1.10	ZNF313	129.5	1.23
ARHGEF3	118.6	2.37	TMEM140	133.0	2.20				IL6ST	123.8	1.18	FNDC3B	122.6	1.10	TAP2	119.8	1.11	DTX3L	129.7	1.24
TRIM25	125.1	3.23	PARP12	134.1	2.27				FAM125B	124.6	1.21	RTP4	122.8	1.12	AMPH	120.0	1.12	EXT1	129.8	1.24
PIM3	127.8	3.57	MARCKS	138.2	2.54				APOL1	124.6	1.21	PNPT1	123.1	1.13	CHMP5	120.0	1.12	SIRPA	130.0	1.25
			MAP3K5	162.8	4.18				MCL1	125.3	1.25	UNC84B	123.4	1.14	MARCKS	120.6	1.16	DDX3X	130.0	1.25
									IRF9	125.3	1.25	SLC1A1	124.4	1.19	CTCFL	120.8	1.17	TMEM51	130.1	1.25
									AMPH	125.3	1.25	SCO2	124.7	1.21	EXT1	120.8	1.17	CHMP5	130.1	1.25
									BUB1	125.3	1.25	MASTL	124.9	1.22	OAS1	121.9	1.23	IFI44L	130.9	1.28
									MARCKS	126.4	1.31	ENPP1	125.2	1.23	ANKFY1	122.1	1.24	CFB	131.1	1.30
									PLSCR1	126.8	1.32	CCNA1	125.7	1.26	CFB	122.5	1.27	MAFB	131.1	1.30
									APOBEC3A	126.8	1.32	LIPA	126.0	1.27	NCOA3	122.9	1.29	FER1L3	132.0	1.33
									PABPC4	128.3	1.40	IL1RN	126.2	1.28	SPSB1	122.9	1.29	SNN	132.2	1.34
									NAPA	129.0	1.43	DDX60	127.5	1.35	FAM125B	123.1	1.30	ANKFY1	133.5	1.39
									DTX3L	129.0	1.43	STAT1	127.5	1.35	PARP12	123.1	1.30	SCARB2	134.5	1.44
									MX2	129.7	1.47	RNF24	128.1	1.37	TLK2	123.7	1.33	LY6E	136.8	1.53
									CCL4	130.5	1.51	TDRD7	128.6	1.40	PIM3	123.9	1.34			
									KIAA1618	130.5	1.51	MKX	128.9	1.41	IL6ST	124.7	1.39			
									RNF24	132.0	1.58	CNP	128.9	1.41	APOL3	124.7	1.39			
									CFB	132.3	1.60	TLK2	130.4	1.49	MAFB	125.4	1.43			
									DDIT4	132.7	1.62	BLZF1	131.2	1.53	JAK2	125.8	1.45			
									PARP12	132.7	1.62	N4BP1	131.2	1.53	ODC1	125.8	1.45			
									RNASE4	133.1	1.64	ZNF385B	132.0	1.56	DTX3L	126.2	1.47			
									CHMP5	133.8	1.67	TXNIP	132.3	1.58	TXNIP	126.8	1.51			
									SNN	137.5	1.86	PABPC4	134.1	1.67	RNF24	127.0	1.52			
									MAFB	138.2	1.89	IRF9	134.4	1.68	NPAS2	127.6	1.55			
									GALNT2	145.3	2.24	FLJ11286	134.4	1.68	FNDC3B	128.1	1.58			
									C9orf91	149.0	2.43	JAK2	134.9	1.71	FLT1	130.5	1.71			
									EPAS1	149.0	2.43	ZNF295	135.4	1.73	HLA-E	131.6	1.78			
									DUSP5	151.2	2.54	TAGAP	136.2	1.77	IRF9	132.6	1.83			
									MCOLN2	173.4	3.64	TLR7	137.0	1.81	BLZF1	133.2	1.87			
									ANKFY1	180.7	4.00	APOL3	138.0	1.86	INDO	136.5	2.05			
												ANKFY1	140.6	1.99	ZNF295	139.4	2.21			
												UBA7	143.0	2.10	DDX60	139.9	2.25			
												NPAS2	146.4	2.27	TLR7	140.7	2.29			
												MAFB	153.2	2.60	N4BP1	142.7	2.40			
												INDO	161.9	3.03	ADAR	148.8	2.75			
												ADAR	168.7	3.36						

Supplementary Table 2. ISG screening data sets for -ssRNA viruses

FLUAV			PIV3			NDV			HMPV			RSV			MV			BUNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
IFITM3	23.3	-4.02	MAP3K14	27.2	-2.46	ANKRD22	46.5	-2.93	HPSE	41.3	-3.36	HPSE	30.4	-4.19	IRF1	59.1	-3.21	IFITM3	68.2	-3.75
IRF1	32.4	-3.55	IRF2	30.1	-2.36	EXT1	50.2	-2.72	P2RY6	53.8	-2.65	THBD	59.9	-2.41	C5orf39	64.3	-2.80	IRF1	72.2	-3.28
IFITM2	37.7	-3.27	TMEM51	31.9	-2.30	IRF1	51.6	-2.65	PSMB9	58.0	-2.41	MAP3K14	60.1	-2.40	TRIM25	64.6	-2.78	IRF1	74.1	-3.05
MX1	44.7	-2.91	IRF1	38.2	-2.08	MX1	55.5	-2.44	CDKN1A	62.0	-2.18	cGAS	61.8	-2.29	SLC16A1	65.5	-2.71	HPSE	75.9	-2.85
TNFAIP3	49.2	-2.68	B4GALT5	40.8	-2.00	FFAR2	59.6	-2.21	PSMB8	64.6	-2.03	IRF2	64.4	-2.14	GBP3	65.7	-2.69	IFITM3	77.3	-2.68
FAM46A	49.4	-2.67	SNN	41.8	-1.96	GALNT2	60.6	-2.16	C9orf19	64.8	-2.02	IRF7	65.5	-2.07	OGFR	69.5	-2.39	UBE2L6	81.8	-2.15
MICB	60.4	-2.09	CD9	42.9	-1.93	MAP3K14	60.9	-2.14	CD9	65.0	-2.01	MICB	66.3	-2.03	IRF2	69.5	-2.39	LRG1	84.0	-1.88
PRKD2	62.6	-1.98	BCL3	44.7	-1.86	OASL	62.1	-2.07	GBP1	65.0	-2.01	ATF3	66.8	-2.00	THBD	69.8	-2.37	CSDA	84.2	-1.86
BCL3	64.4	-1.89	PTMA	47.8	-1.76	BST2	63.3	-2.01	IFITM3	65.6	-1.97	SAMD4A	67.1	-1.98	STAT2	70.5	-2.32	GBP4	84.7	-1.81
IL15RA	64.6	-1.87	OGFR	48.8	-1.73	MX1	63.7	-1.99	SAMHD1	65.8	-1.96	UNC93B1	69.0	-1.86	IL6ST	71.9	-2.21	MCL1	84.7	-1.81
SLC16A1	64.9	-1.86	IL15RA	50.2	-1.68	IFI27	66.5	-1.83	IFI6	68.4	-1.82	LGALS9	69.2	-1.85	CLEC4D	72.8	-2.13	C9orf19	84.8	-1.79
ABLIM3	65.6	-1.82	APOL1	51.8	-1.63	SPTLC2	66.9	-1.81	CCR1	69.8	-1.73	PFKFB3	70.0	-1.81	RBCK1	73.1	-2.11	C5orf39	85.0	-1.77
DNAPTP6	66.6	-1.77	CCR1	52.8	-1.59	GLRX	67.4	-1.78	IFIT3	70.7	-1.68	NRN1	70.9	-1.75	NCOA3	73.5	-2.08	SNN	85.3	-1.73
LEPR	66.6	-1.77	MYD88	53.2	-1.58	IRF7	68.2	-1.74	PIM3	71.7	-1.62	TRIM25	72.2	-1.67	ABLIM3	73.8	-2.06	TMEM49	85.6	-1.69
CD163	66.9	-1.76	ABLIM3	53.4	-1.57	IFNGR1	68.2	-1.74	BST2	71.7	-1.62	IFI35	72.3	-1.66	ADAR	74.3	-2.02	SERPINB9	85.8	-1.67
NOD2	67.4	-1.73	IFIT2	53.9	-1.55	CSDA	68.6	-1.72	IFITM2	72.1	-1.60	P2RY6	72.5	-1.65	MARCKS	75.4	-1.93	IL28RA	85.8	-1.67
UNC93B1	67.4	-1.73	CX3CL1	54.0	-1.55	SERPING1	69.8	-1.65	BCL3	72.8	-1.56	THOC4	73.0	-1.62	OAS3	75.9	-1.89	ETV7	86.0	-1.65
OAS3	67.6	-1.72	SLC16A1	55.5	-1.50	KIAA1618	69.9	-1.64	MAFF	73.2	-1.54	PRAME	73.9	-1.57	IRF9	76.1	-1.87	CRY1	86.3	-1.62
TRIM25	68.6	-1.67	CSDA	55.6	-1.50	STAT1	69.9	-1.64	TRIM25	73.2	-1.54	OGFR	74.1	-1.56	AQP9	76.4	-1.85	IRF2	86.3	-1.62
GALNT2	69.4	-1.63	CD80	55.6	-1.50	FKBP5	70.3	-1.62	STARD5	74.0	-1.49	WARS	74.2	-1.55	IFIT2	76.6	-1.84	NMI	86.3	-1.62
OGFR	70.1	-1.59	IFI35	55.7	-1.50	IFITM2	70.5	-1.61	INDO	74.5	-1.47	AIM2	74.4	-1.54	UNC93B1	77.3	-1.78	NRN1	86.4	-1.60
ODC1	70.1	-1.59	MSR1	55.7	-1.50	GBP5	71.5	-1.56	PRIC285	74.7	-1.45	CD38	74.7	-1.52	IL15RA	78.3	-1.71	CLEC4E	86.8	-1.56
TRIM34	70.6	-1.56	IRF7	55.9	-1.49	PSMB9	72.2	-1.52	SPTLC2	74.7	-1.45	ZNF385B	74.9	-1.51	PRKD2	78.5	-1.69	KIAA0040	87.1	-1.52
CX3CL1	70.9	-1.55	PML	56.2	-1.48	IL17RB	72.2	-1.52	CMAH	75.3	-1.42	PML	74.9	-1.51	SLC25A30	79.0	-1.65	PSCD1	87.6	-1.47
TBX3	70.9	-1.55	CLEC2B	57.0	-1.45	FCGR1A	72.7	-1.49	PHF11	75.3	-1.42	PSMB9	75.7	-1.46	FCGR1A	79.2	-1.63	MAP3K14	87.7	-1.45
PTMA	71.1	-1.54	TDRD7	57.1	-1.45	TLR3	73.0	-1.47	SLC15A3	75.5	-1.41	NCOA3	75.7	-1.46	LEPR	79.7	-1.59	MYD88	87.9	-1.43
AKT3	71.4	-1.52	GALNT2	57.8	-1.42	SNN	73.2	-1.46	CSDA	75.7	-1.39	SLC1A1	75.8	-1.45	HLA-F	80.2	-1.56	GALNT2	88.0	-1.41
FLT1	71.6	-1.51	MX2	58.6	-1.40	LMO2	73.5	-1.45	WARS	75.9	-1.38	TYMP	76.0	-1.44	LGMN	80.2	-1.56	KIAA0082	88.5	-1.35
ADAR	73.4	-1.42	PHF11	58.7	-1.39	CD38	73.7	-1.44	PRAME	76.4	-1.36	ADM	76.8	-1.39	FAM46A	80.2	-1.56	IL15	88.7	-1.33
CCNA1	73.4	-1.42	SLC1A1	58.7	-1.39	IFITM3	73.9	-1.43	IRF2	76.6	-1.34	SAMHD1	77.1	-1.38	C1S	80.9	-1.50	TMEM140	88.8	-1.31
JAK2	73.6	-1.41	NUP50	59.7	-1.36	GTPBP1	73.9	-1.43	IFITM1	77.0	-1.32	NFIL3	77.1	-1.38	PPM1K	80.9	-1.50	LGALS3	88.8	-1.31
STAT2	74.6	-1.36	WARS	60.1	-1.35	WARS	73.9	-1.43	ZNF313	77.2	-1.31	STAT2	78.2	-1.31	JAK2	80.9	-1.50	MTHFD2L	89.2	-1.28
SLC25A30	74.9	-1.34	TAGAP	60.4	-1.34	HSH2D	74.0	-1.42	STAT2	77.4	-1.30	BCL3	78.4	-1.30	PTMA	81.3	-1.46	TRAFD1	89.3	-1.26
HERC6	75.1	-1.33	LGALS9	60.5	-1.34	NUP50	74.4	-1.40	C4orf33	78.1	-1.26	TMEM51	79.0	-1.26	IL28RA	81.6	-1.45	ARG2	89.3	-1.26
CLEC2B	75.8	-1.29	MARCKS	60.9	-1.32	TXNIP	74.5	-1.39	ADAR	78.1	-1.26	IFIT2	79.0	-1.26	CX3CL1	82.1	-1.41	CCL5	89.6	-1.22
IFIH1	75.8	-1.29	ULK4	61.0	-1.32	ALDH1A1	75.9	-1.32	MS4A4A	78.3	-1.25	PRIC285	79.3	-1.24	RARRES3	82.5	-1.37	VAMP5	90.0	-1.18
TAGAP	76.1	-1.28	ATF3	61.7	-1.29	ADFP	76.8	-1.27	CD69	78.5	-1.24	MSR1	79.7	-1.22	IFITM3	83.0	-1.33	MT1X	90.1	-1.16
IRF7	76.6	-1.25	CD274	62.1	-1.28	TMEM140	77.1	-1.25	GBP2	78.5	-1.24	SLC16A1	79.7	-1.22	cGAS	83.0	-1.33	MX1	90.3	-1.14
RBCK1	77.3	-1.21	IFITM3	62.1	-1.28	C9orf19	77.3	-1.24	GEM	78.9	-1.21	SCO2	80.0	-1.20	LY6E	83.2	-1.32	ARNTL	90.3	-1.14
TCF7L2	77.3	-1.21	RBCK1	62.2	-1.28	IFI35	77.4	-1.23	CD80	78.9	-1.21	PIM3	80.1	-1.19	CHMP5	83.5	-1.30	SAA1	90.4	-1.13
DDX60	77.3	-1.21	BUB1	62.3	-1.27	CPT1A	77.4	-1.23	SERPINB9	79.1	-1.20	JUNB	80.3	-1.18	IFITM3	83.7	-1.28	CCR1	90.6	-1.11
AQP9	77.6	-1.20	SCO2	63.0	-1.25	CCL5	77.6	-1.22	FAM46C	79.1	-1.20	GMPR	80.3	-1.18	ATP10D	83.7	-1.28	OPTN	90.6	-1.11
IFIT2	77.6	-1.20	TRIM25	63.4	-1.24	IFI44L	77.9	-1.20	SOCS2	79.5	-1.18	AKT3	80.4	-1.17	CD163	83.7	-1.28	EHD4	90.6	-1.11
ADAMDEC1	78.6	-1.15	NCOA3	63.9	-1.22	ATF3	78.3	-1.18	SOCS1	79.5	-1.18	C15orf48	80.8	-1.16	WHDC1	83.9	-1.26	PNPT1	90.9	-1.07
ZNF295	78.6	-1.15	FCGR1A	64.6	-1.20	SLFN5	78.6	-1.17	CXCL10	79.7	-1.16	TXNIP	80.8	-1.16	FAM134B	84.2	-1.24	CD274	90.9	-1.07
GBP3	78.8	-1.14	MCL1	65.0	-1.18	MT1X	79.7	-1.11	SNN	79.7	-1.16	GALNT2	80.8	-1.16	IL15	84.4	-1.22	C2orf31	91.1	-1.05
CCND3	79.1	-1.12	SERPING1	65.7	-1.16	DHX58	79.7	-1.11	MICB	79.7	-1.16	PLEKHA4	81.1	-1.14	HPSE	84.7	-1.20	BCL2L14	91.1	-1.05
FNDC3B	79.1	-1.12	SCARB2	65.8	-1.16	TRIM21	79.7	-1.11	APOL1	79.7	-1.16	AQP9	81.2	-1.13	OASL	85.1	-1.17	NCOA3	91.4	-1.01
IL6ST	79.8	-1.08	FAM46C	66.0	-1.15	FNDC4	79.7	-1.11	MT1X	80.2	-1.14	GBP1	81.2	-1.13	RASSF4	85.4	-1.15	LAP3	91.6	-0.99
IL15	79.8	-1.08	IMPA2	66.2	-1.14	RAB27A	79.8	-1.10	IRF7	80.4	-1.13	CLEC2B	81.4	-1.12	IL17RB	85.6	-1.13	FAM134B	91.7	-0.97
GCA	80.6	-1.04	ETV6	66.8	-1.12	STAT2	80.0	-1.09	IFITM3	80.4	-1.13	EHD4	81.6	-1.11	SLC15A3	86.1	-1.09	C4orf33	91.9	-0.96
cGAS	80.6	-1.04	IFITM2	68.3	-1.07	IFIH1	80.2	-1.08	PDGFRL	80.6	-1.12	MYD88	81.6	-1.11	IRF7	86.5	-1.06	MX1	92.0	-0.94
IL1R	80.6	-1.04	LY6E	68.5	-1.07	PLEKHA4	80.2	-1.08	FCGR1A	80.6	-1.12	B4GALT5	81.7	-1.10	PLSCR1	86.8	-1.04	EIF2AK2	92.2	-0.92
THOC4	80.8	-1.03	ETV7	68.7	-1.06	C15orf48	80.3	-1.07	CD38	80.6	-1.12	CLEC4D	82.0	-1.08	TBX3	87.0	-1.02	IFI27	92.2	-0.92
BLZF1	81.1	-1.02	ZNF313	68.7	-1.06	PSMB8	80.7	-1.05	CCL8	80.8	-1.10	IFIT5	82.2	-1.07	TAP1	87.3	-1.00	DHX58	92.4	-0.90
C9orf91	81.8	-0.98	VEGFC	68.8	-1.05	IFI16	81.0	-1.04	MSR1	81.0	-1.09	PSMB8	82.7	-1.04	TRIM14	87.5	-0.98	CD9	92.5	-0.88
NOS2A	82.6	-0.94	CD69	69.0	-1.05	MKX	81.4	-1.02	RPL22	81.2	-1.08	RASSF4	83.0	-1.02	STARD5	87.7	-0.96	EXT1	92.5	-0.88
IRF2	82.8	-0.93	HLA-F	69.5	-1.03	RGS1	81.5	-1.01	C15orf48	81.4	-1.07	VEGFC	83.6	-0.98	TRIM34	88.2	-0.93	GEM	92.7	-0.86
C5orf39	83.1	-0.91	KIAA0082	69.6	-1.03	BAG1	81.5	-1.01	MAP3K14	81.6	-1.05	CD9	83.8	-0.97	RIK2	88.4	-0.91	SOCS1	92.7	-0.86
RBM25	83.3	-0.90	IL1R	70.1	-1.01	FBXO6	81.7	-1.00	TRIM21	81.6	-1.05	EPSTI1	83.8	-0.97	SNN	88.7	-0.89	PMAIP1	92.7	-0.86
MARCKS	83.8	-0.88	IFI16	71.1	-0.98	FAM46C	82.0	-0.98	ARNTL	81.6	-1.05	GBP5	83.9	-0.96	ISG20	88.7	-0.89	PHF15	92.7	-0.86
PHF11	83.8	-0.88	IL17RB	71.6	-0.96	CXCL9	82.2	-0.97	BATF2	82.1	-1.03	PCTK2	83.9	-0.96	B4GALT5	88.7	-0.89	TLR3	92.8	-0.84
DDX58	84.1	-0.86	NRN1	72.1	-0.94	DEFB1	82.7	-0.94	ADFP	82.1	-1.03	SOCS1	84.1	-0.95	THOC4	88.9	-0.87	MAP3K5	93.2	-0.80
ATP10D	84.3	-0.85	STARD5	72.2	-0.94	LGALS9	82.7	-0.94	TAP1	82.1	-1.03	IRF1	84.4	-0.94	SMAD3	88.9	-0.87	SOCS2	93.3	-0.79
IFI30	84.3	-0.85	FAM70A	72.7	-0.92	C4orf32	83.4	-0.90	IFI35	82.5	-1.01	ETV6	84.6	-0.93	BCL2L14	88.9	-0.87	IFIT2	93.3	-0.79
MT1G	84.3	-0.85	PIM3	72.9	-0.91	NFIL3	83.9	-0.88	PDK1	82.7	-0.99	FFAR2	84.6	-0.93	ETV6	89.6	-0.81	DYNLT1	93.3	-0.79
TDRD7	84.3	-0.85	GJA4	73.5	-0.90	PML	83.9	-0.88	RNF19B	82.7	-0.99	SPSB1	84.7	-0.92	KIAA1618	89.6	-0.81	PSMB9	93.5	-0.77
UNC84B	84.6	-0.84	NPAS2	74.2	-0.87	CXCL10	84.1	-0.87	TRIM56	82.7	-0.99	SMAD3	84.7	-0.92	PSMB9	89.9	-0.80	B2M	93.5	-0.77
NCOA3	84.6	-0.84	CDKN1A	74.3	-0.87	MS4A4A	84.2	-0.86	CYP1B1	82.9	-0.98	FLJ39739	85.2	-0.89	C4orf32	89.9	-0.80	NDC80	93.5	-0.77
C4orf32	84.8	-0.82	SIRPA	75.1	-0.84	LAMP3	84.2	-0.86	CCDC92	82.9	-0.98	SPTLC2	85.4	-0.88	NMI	89.9	-0.80	CCDC109B	93.6	-0.75
PPM1K	84.8	-0.82	EPSTI1	75.1	-0.84	NAPA	84.2	-0.86	CCDC75	82.9	-0.98	S100A8	85.5	-0.87	GCA	90.1	-0.78	TNSF13B	93.6	-0.75
AHNAK2	85.1	-0.81	TRAFD1	75.1	-0.84	SCARB2	84.4	-0.85	FAM134B	82.9	-0.98	HEG1	85.5	-0.87	B2M	90.3	-0.76	SAT3	93.6	-0.75
MAP3K14	85.1	-0.81	C10orf10	75.4	-0.83	CCDC75	84.8	-0.83	RTP4	82.9	-0.98	CYP1B1	85.7	-0.86	GLRX	90.3	-0.76	NPAS2	93.6	-0.75
MX2	85.1	-0.81	PLEKHA4	75.8	-0.82	BTN3A3	84.9	-0.82	ANGPTL1	83.3	-0.96	RGS1	85.9	-0.85	SAMD4A	90.3	-0.76	LY6E	93.6	-0.75
OAS1	85.1	-0.81	IFITM1	76.3	-0.80	CMAH	85.3	-0.80	AQP9	83.3	-0.96	CD74	85.9	-0.85	CLEC4E	90.3	-0.76	G6PC	94.0	-0.71
C1S	85.3	-0.80	TREX1	76.6	-0.79	FUT4	85.3	-0.80	C10orf10	83.5	-0.95	FUT4	86.0	-0.84	MX1	90.3	-0.76	GPX2	94.0	-0.71
OASL	85.3	-0.80	TRIM5	76.8	-0.78	SLC16A1	85.9	-0.76	SP110	83.5	-0.95	FAM70A	86.3	-0.82	CCR1	90.3	-0.76	TAP1	94.1	-0.69
GAK	85.3	-0.80	RNF19B	77.2	-0.77	APOL2	86.6	-0.73	GCH1	84.0	-0.92	SERPING1	86.3	-0.82	NCF1	90.6	-0.74	RPL22	94.1	-0.69
NUP50	85.6	-0.78	BTN3A3	77.2	-0.77	CCR1	86.6	-0.73	LMO2	84.0	-0.92	BTN3A3	86.3	-0.82	OPTN	90.6	-0.74	TFEC	94.1	-0.69
FAM46C	85.8	-0.77	GPX2	77.2	-0.77	OAS1	86.8	-0.72	PLSCR1	84.2	-0.91	DHX58	86.5	-0.81	MICB	90.6	-0.74	IRF7	94.1	-0.69
MT1H	86.1	-0.76	PARP12	77.3	-0.77	IFIT3	87.3	-0.69	WHDC1	84.4	-0.90	IFI6	86.8	-0.79	PNRC1	90.6	-0.74	CFB	94.3	-0.67

FLUAV			PIV3			NDV			HMPV			RSV			MV			BUNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
CEBPD	86.3	-0.75	CD38	78.5	-0.73	IFITM3	87.6	-0.67	TNSF13B	85.0	-0.86	ULK4	86.8	-0.79	GJA4	90.8	-0.72	HLA-E	94.3	-0.67
TMEM140	86.3	-0.75	AKT3	78.5	-0.73	HEG1	87.6	-0.67	PCTK2	85.0	-0.86	MX2	87.4	-0.75	CCDC92	91.0	-0.70	RNASE4	94.3	-0.67
MAX	86.3	-0.75	PADI2	78.5	-0.73	LEPR	87.6	-0.67	CRY1	85.7	-0.83	RIK2	87.6	-0.74	EHD4	91.0	-0.70	RARRES3	94.4	-0.65
BAG1	86.3	-0.75	SPSB1	78.6	-0.72	TRIM14	87.8	-0.66	OASL	85.9	-0.81	TRIM21	87.6	-0.74	SIRPA	91.5	-0.67	RTP4	94.9	-0.60
MCL1	86.6	-0.73	IFI44	78.6	-0.72	SAMHD1	88.0	-0.65	APOL6	85.9	-0.81	FAM46A	87.6	-0.74	NOD2	91.5	-0.67	HSH2D	94.9	-0.60
THBD	86.6	-0.73	WHDC1	78.6	-0.72	AIM2	88.0	-0.65	SAMD4A	86.3	-0.79	RBCK1	87.8	-0.73	CPT1A	91.5	-0.67	PLSCR1	95.2	-0.56
NPAS2	86.6	-0.73	MICB	78.6	-0.72	FER1L3	88.0	-0.65	SMAD3	86.3	-0.79	IL17RB	87.8	-0.73	RNF19B	91.5	-0.67	ULK4	95.2	-0.56
B4GALT5	86.6	-0.73	ANGPTL1	78.9	-0.71	PMAIP1	88.2	-0.64	BCL2L14	86.5	-0.78	SECTM1	87.9	-0.72	ODC1	91.5	-0.67	CXCL10	95.2	-0.56
DUSP5	86.8	-0.72	TNSF13B	79.4	-0.70	CCL2	88.2	-0.64	FFAR2	86.5	-0.78	ETV7	87.9	-0.72	RNASE4	92.5	-0.59	ISG15	95.4	-0.54
CLEC4D	87.3	-0.69	GBP4	79.4	-0.70	VAMP5	88.3	-0.63	OAS1	86.7	-0.76	MT1G	88.1	-0.71	HLA-C	92.7	-0.57	GCH1	95.4	-0.54
STAT1	87.8	-0.67	ISG20	79.4	-0.70	CD69	88.3	-0.63	IL15RA	86.9	-0.75	PPM1K	88.4	-0.70	CYP1B1	92.7	-0.57	GBP5	95.4	-0.54
ELF1	88.1	-0.66	PHF15	79.4	-0.70	IL15RA	88.5	-0.62	NCOA3	87.1	-0.74	APOL1	88.9	-0.67	FAM70A	92.9	-0.55	PPM1K	95.6	-0.52
ERLIN1	88.3	-0.64	FAM125B	80.0	-0.68	GBP1	88.7	-0.62	OAS2	87.3	-0.73	PXK	89.2	-0.65	ANGPTL1	92.9	-0.55	DDX58	95.6	-0.52
LIPA	88.3	-0.64	PUS1	80.3	-0.67	NDC80	88.7	-0.62	HLA-F	87.5	-0.72	C1S	89.4	-0.64	PSCD1	93.2	-0.54	FAM70A	95.6	-0.52
MT1F	88.8	-0.62	AHNAK2	80.5	-0.66	SP110	88.7	-0.62	IL28RA	87.8	-0.70	STARD5	89.4	-0.64		93.4	-0.52	GBP3	95.6	-0.52
HLA-C	88.8	-0.62	NOD2	80.6	-0.66	ISG20	88.7	-0.62	IFI44	88.2	-0.68	FKBP5	89.4	-0.64	GBP5	93.4	-0.52	TNFRSF10A	95.7	-0.50
RAB27A	89.6	-0.58	EHD4	80.7	-0.65	PHF11	88.8	-0.61	CXCL9	88.4	-0.67	TRIM5	89.4	-0.64	MCOLN2	93.6	-0.50	ENPP1	95.7	-0.50
IMPA2	90.1	-0.55	SLC25A28	80.8	-0.65	G6PC	88.8	-0.61	MARCKS	88.4	-0.67	LAMP3	89.4	-0.64	IFI6	93.9	-0.48	HESX1	95.9	-0.48
NCF1	90.1	-0.55	RIK2	81.1	-0.64	TREX1	88.8	-0.61	UBE2L6	88.4	-0.67	GTPBP1	89.8	-0.61	IFI30	94.1	-0.46	EPSTI1	95.9	-0.48
PABPC4	90.1	-0.55	MASTL	81.1	-0.64	WHDC1	88.8	-0.61	FUT4	88.6	-0.66	HLA-F	90.1	-0.59	SERPINB9	94.1	-0.46	COMMD3	95.9	-0.48
GLRX	90.6	-0.53	PLSCR1	81.2	-0.64	IFI6	89.0	-0.60	DCP1A	88.6	-0.66	DNAPTP6	90.1	-0.59	IL1R	94.1	-0.46	CXCL11	96.0	-0.46
C9orf19	90.6	-0.53	PRAME	81.8	-0.62	HESX1	89.0	-0.60	ATF3	88.8	-0.64	HES4	90.6	-0.56	CASP7	94.1	-0.46	ABCA9	96.0	-0.46
HES4	91.3	-0.49	CXCL11	82.4	-0.60	TRIM34	89.5	-0.57	OAS3	88.8	-0.64	SLC15A3	90.6	-0.56	CCL4	94.4	-0.44	ABTB2	96.0	-0.46
GBP5	91.6	-0.47	RNASE4	82.4	-0.60	TRIM25	89.7	-0.56	MX1	88.8	-0.64	PCTK3	90.6	-0.56	IFI27	94.4	-0.44	PRKD2	96.0	-0.46
ATF3	91.6	-0.47	HEG1	82.6	-0.59	CCL19	90.4	-0.52	ABLIM3	89.0	-0.63	ALDH1A1	90.8	-0.55	STAP1	94.6	-0.42	LGALS9	96.0	-0.46
KIAA0082	91.8	-0.46	GAK	82.7	-0.58	ZNF313	90.4	-0.52	IL17RB	89.2	-0.62	CD163	90.8	-0.55	NUP50	94.6	-0.42	CCDC92	96.2	-0.45
CASP7	91.8	-0.46	ISG15	82.9	-0.58	VEGFC	90.5	-0.51	C5orf39	89.2	-0.62	GBP2	90.9	-0.54	RBM25	94.6	-0.42	TREX1	96.2	-0.45
C5orf27	92.3	-0.43	C9orf19	83.1	-0.57	CD74	90.7	-0.50	NUP50	89.4	-0.61	KIAA0082	90.9	-0.54	OAS1	94.6	-0.42	AXUD1	96.4	-0.43
PRAME	92.6	-0.42	CES1	83.8	-0.55	UBE2L6	90.9	-0.49	IRF1	89.4	-0.61	IGFBP2	91.3	-0.52	AKT3	94.8	-0.41	CCL4	96.4	-0.43
CD274	92.6	-0.42	SMAD3	84.1	-0.54	DCP1A	91.1	-0.49	TRIM34	89.7	-0.60	SP110	91.4	-0.51	RAB27A	94.8	-0.41	SERPING1	96.4	-0.43
TRAFD1	92.6	-0.42	SAA1	84.4	-0.53	CD163	91.2	-0.48	FAM46A	89.7	-0.60	PHF15	91.6	-0.50	LAMP3	94.8	-0.41	S100A8	96.5	-0.41
IFI6	92.8	-0.41	cGAS	84.5	-0.52	S100A8	91.6	-0.46	RAB27A	90.1	-0.57	PDK1	91.6	-0.50	LGALS9	95.1	-0.39	GLRX	96.7	-0.39
CD38	92.8	-0.41	AIM2	84.6	-0.52	ANGPTL1	91.7	-0.45	TMEM51	90.7	-0.54	PADI2	91.7	-0.49	ARNTL	95.1	-0.39	AMPH	96.7	-0.39
AXUD1	92.8	-0.41	OAS1	84.8	-0.52	AXUD1	92.1	-0.43	ETV7	90.7	-0.54	DCP1A	91.7	-0.49	PARP12	95.1	-0.39	SLC1A1	96.8	-0.37
TLR3	92.8	-0.41	TNFAIP3	84.9	-0.51	FAM134B	92.1	-0.43	RARRES3	90.7	-0.54	FCGR1A	91.9	-0.49	MAP3K14	95.1	-0.39	CD69	97.0	-0.35
DHX58	93.1	-0.40	HESX1	85.2	-0.50	NCOA3	92.1	-0.43	PCTK3	90.7	-0.54	CSDA	91.9	-0.49	IFNGR1	95.3	-0.37	AHNAK2	97.0	-0.35
RASSF4	93.1	-0.40	ANKRD22	85.4	-0.49	RNF24	92.4	-0.41	G6PC	90.9	-0.52	WHDC1	92.1	-0.48	FAM46C	95.3	-0.37	PFKFB3	97.0	-0.35
IL1RN	93.3	-0.38	DNAPTP6	85.9	-0.48	MICB	92.4	-0.41	CD74	91.1	-0.51	TRAFD1	92.1	-0.48	CCL5	95.5	-0.35	IFI6	97.0	-0.35
FFAR2	93.3	-0.38	MS4A4A	86.3	-0.47	GBP2	92.6	-0.40	BLVRA	91.1	-0.51	LMO2	92.2	-0.47	SSBP3	95.5	-0.35	TRIM14	97.0	-0.35
MASTL	93.3	-0.38	RNF24	86.4	-0.46	SAA1	92.8	-0.39	ULK4	91.1	-0.51	NDC80	92.5	-0.45	MX1	95.8	-0.33	PML	97.2	-0.33
BST2	93.3	-0.38	NDC80	86.9	-0.45	NMI	92.8	-0.39	TMEM140	91.1	-0.51	MT1X	92.7	-0.44	BAG1	96.0	-0.31	C10orf10	97.2	-0.33
GMPR	93.8	-0.36	HES4	87.2	-0.43	EHD4	92.8	-0.39	RASSF4	91.6	-0.49	HK2	92.7	-0.44	STAT1	96.0	-0.31	GK	97.2	-0.33
MAFB	93.8	-0.36	SLC25A30	87.3	-0.43	BCL3	92.8	-0.39	KIAA0040	91.6	-0.49	EXT1	93.3	-0.40	SPSB1	96.2	-0.29	PBEF1	97.2	-0.33
ZNF385B	94.3	-0.33	FUT4	88.3	-0.40	ARG2	92.9	-0.38	GTPBP1	91.8	-0.47	NMI	93.5	-0.39	BLVRA	96.2	-0.29	GJA4	97.5	-0.29
CPT1A	94.6	-0.32	TNFAIP6	89.1	-0.37	HK2	92.9	-0.38	EPSTI1	91.8	-0.47	CRY1	93.5	-0.39	CLEC2B	96.2	-0.29	CLEC4D	97.5	-0.29
PIM3	94.6	-0.32	STAT2	89.2	-0.37	STAP1	92.9	-0.38	KIAA1618	91.8	-0.47	NUP50	93.5	-0.39	PML	96.2	-0.29	SLC15A3	97.6	-0.28
XAF1	95.6	-0.27	TLR3	89.4	-0.36	XAF1	93.1	-0.37	EIF3EIP	92.0	-0.46	MX1	93.5	-0.39	HESX1	96.5	-0.28	C4orf32	97.6	-0.28
SPTLC2	96.1	-0.24	SOCS1	89.4	-0.36	PIM3	93.1	-0.37	LGALS9	92.0	-0.46	TDRD7	93.5	-0.39	ETV7	96.5	-0.28	STAP1	97.8	-0.26
PNRC1	96.3	-0.23	PXK	89.5	-0.36	CCL8	93.3	-0.36	PHF15	92.2	-0.45	SOCS2	93.6	-0.38	NRN1	96.7	-0.26	C22orf28	97.8	-0.26
FNDC4	96.3	-0.23	DUSP5	89.5	-0.36	PCTK3	93.3	-0.36	HES4	92.4	-0.44	C9orf91	93.6	-0.38	DHX58	97.0	-0.24	ABLIM3	98.0	-0.24
ULK4	96.6	-0.21	KIAA1618	89.5	-0.36	FLJ39739	93.6	-0.35	GMPR	93.0	-0.40	PHF11	93.6	-0.38	UBA7	97.0	-0.24	CCNA1	98.0	-0.24
CCR1	96.6	-0.21	CMAH	89.5	-0.36	CHMP5	93.9	-0.33	IFI44L	93.0	-0.40	HLA-C	93.8	-0.37	VAMP5	97.2	-0.22	SIRPA	98.0	-0.24
MT1M	96.6	-0.21	IFI30	89.6	-0.35	MCL1	93.9	-0.33	B4GALT5	93.0	-0.40	CXCL10	93.8	-0.37	IMPA2	97.2	-0.22	OAS2	98.1	-0.22
FER1L3	96.6	-0.21	HERC6	89.9	-0.34	OPTN	94.1	-0.32	ANKRD22	93.2	-0.39	TIMP1	94.0	-0.36	CES1	97.2	-0.22	CLEC2B	98.1	-0.22
PSMB9	96.8	-0.20	BST2	90.4	-0.33	ABLIM3	94.1	-0.32	ISG20	93.2	-0.39	CCL5	94.0	-0.36	PUS1	97.2	-0.22	CX3CL1	98.1	-0.22
WHDC1	96.8	-0.20	APOL6	90.4	-0.33	C4orf33	94.3	-0.31	IMPA2	93.5	-0.38	ARHGEF3	94.1	-0.35	ISG15	97.4	-0.20	SAMHD1	98.3	-0.20
OPTN	96.8	-0.20	RGS1	90.7	-0.32	PI4K2B	94.3	-0.31	CREB3L3	93.5	-0.38	TREX1	94.3	-0.34	AIM2	97.4	-0.20	EPAS1	98.3	-0.20
CD69	96.8	-0.20	AMPH	90.8	-0.31	EIF3EIP	94.3	-0.31	KIAA0082	93.5	-0.38	LEPR	94.3	-0.34	PHF11	97.4	-0.20	CTCFL	98.3	-0.20
PSMB8	97.1	-0.19	TRIM14	91.5	-0.29	CD80	94.5	-0.30	CLEC2B	93.7	-0.37	C4orf32	94.4	-0.33	BLZF1	97.4	-0.20	BTN3A3	98.3	-0.20
OAS2	97.1	-0.19	IFI44L	91.5	-0.29	PRAME	94.5	-0.30	TFEC	93.7	-0.37	CDKN1A	94.6	-0.32	ABTB2	97.7	-0.18	SLC25A28	98.4	-0.18
ISG20	97.3	-0.18	DHX58	91.5	-0.29	AKT3	94.5	-0.30	LRG1	93.9	-0.35	UBE2L6	94.8	-0.31	PRAME	97.9	-0.16	HLA-C	98.4	-0.18
ANKRD22	97.3	-0.18	PSMB9	91.5	-0.29	C2orf31	94.6	-0.29	SERPING1	93.9	-0.35	UNC84B	94.9	-0.30	GEM	97.9	-0.16	PADI2	98.6	-0.16
SIRPA	97.6	-0.16	GTPBP1	91.7	-0.28	RTP4	95.0	-0.27	CCDC109B	93.9	-0.35	TRIM34	94.9	-0.30	TAP2	97.9	-0.16	PHF11	98.8	-0.14
CSDA	97.6	-0.16	BLVRA	91.9	-0.28	PADI2	95.0	-0.27	NRN1	94.3	-0.33	CD69	95.1	-0.29	ERLIN1	98.1	-0.15	SP110	98.8	-0.14
NT5C3	97.6	-0.16	BAG1	91.9	-0.27	DYNLT1	95.3	-0.25	MAX	94.3	-0.33	MCL1	95.2	-0.28	XAF1	98.4	-0.13	LIPA	98.8	-0.14
PLSCR1	97.8	-0.15	MT1X	92.3	-0.26	MOV10	95.5	-0.24	ALDH1A1	94.3	-0.33	SLC25A28	96.0	-0.24	GALNT2	98.4	-0.13	RIK2	98.9	-0.12
CFB	97.8	-0.15	THOC4	92.5	-0.26	C22orf28	95.6	-0.23	GJA4	94.7	-0.31	NCF1	96.2	-0.23	APOL3	98.6	-0.11	SAMD4A	98.9	-0.12
NAPA	98.1	-0.14	SOCS2	92.7	-0.25	TRIM38	95.8	-0.22	IL15	94.7	-0.31	PPM1K	96.2	-0.23	MCL1	98.6	-0.11	WHDC1	98.9	-0.12
SPSB1	98.3	-0.12	TNFSF10	92.7	-0.25	BATF2	96.2	-0.21	GBP4	94.7	-0.31	CCNA1	96.5	-0.21	ATF3	98.6	-0.11	ZNF385B	99.1	-0.11
ADM	98.3	-0.12	USP18	93.0	-0.24	APOL1	96.2	-0.21	AXUD1	95.1	-0.28	TNFRSF10A	96.8	-0.19	NOS2A	98.6	-0.11	ODC1	99.2	-0.09
PDGFRL	98.6	-0.11	PSMB8	93.1	-0.24	LGMN	96.2	-0.21	C4orf32	95.4	-0.27	CREB3L3	97.0	-0.18	HES4	99.1	-0.07	JAK2	99.2	-0.09
USP18	98.8	-0.10	FBXO6	93.2	-0.23	SLFN12	96.7	-0.18	LY6E	95.4	-0.27	HSH2D	97.0	-0.18	DUSP5	99.1	-0.07	MAB21L2	99.2	-0.09
RNASE4	98.8	-0.10	SAMHD1	93.2	-0.23	GMPR	96.7	-0.18	IFI16	95.6	-0.26	AXUD1	97.3	-0.16	TNFAIP3	99.1	-0.07	PRAME	99.2	-0.09
LMO2	99.1	-0.08	XAF1	93.6	-0.22	SLC15A3	96.8	-0.17	PTMA	95.8	-0.25	HLA-E	97.5	-0.15	ULK4	99.3	-0.05	IL1R	99.2	-0.09
IFNGR1	99.3	-0.07	LMO2	93.9	-0.21	HLA-G	97.0	-0.16	ELF1	96.0	-0.23	SERPINB9	97.5	-0.15	SOCS1	99.3	-0.05	TMEM51	99.4	-0.07
CHMP5	99.3	-0.07	SPTLC2	93.9	-0.21	MAB21L2	97.4	-0.14	ARHGEF3	96.0	-0.23	DDIT4	97.6	-0.14	C9orf91	99.3	-0.05	ADM	99.4	-0.07
AGPAT9	99.6	-0.06	ODC1	94.0	-0.21	TNSF13B	97.5	-0.13	EXT1	96.2	-0.22	PTMA	97.8	-0.13	SCARB2	99.3	-0.05	TCF7L2	99.6	-0.05
ANKFY1	99.6	-0.06	MCOLN2	94.1	-0.20	CD274	97.7	-0.12	PSCD1	96.8	-0.18	CPT1A	97.8	-0.13	ARHGEF3	99.3	-0.05	STAT2	99.7	-0.03
TMEM51	99.8	-0.05	CLEC4D	94.2	-0.20	LINCR	97.9	-0.11	ISG15	96.8	-0.18	PSCD1	97.8	-0.13	TLR3	99.3	-0.05	CCL2	99.9	-0.01
PCTK3	99.8	-0.05	SAMD4A	94.3	-0.20	GCH1	97.9	-0.11	TXNIP	96.8	-0.18	LRG1	97.9	-0.12	UBE2L6	99.6	-0.03	HES4	99.9	-0.01
PARP12	100.1	-0.03	ADAR	94.3	-0.20	SAT3	98.0	-0.10	CCL19	97.0	-0.17	ERLIN1	97.9	-0.12	NFIL3	99.6	-0.03	NT5C3	99.9	-0.01
APOL1	100.3	-0.02	NOS2A	94.4	-0.19	NRN1	98.2	-0.09	NDC80	97.3	-0.16	TBX3	97.9	-0.12	MSR1	99.8	-0.02	ADAR	100.0	0.01
CES1	100.5	-0.01	UNC93B1	94.4	-0.19	SAMD4A	98.2	-0.09	ATP10D	97.5	-0.15	MARCKS	97.9	-0.12	EXT1	99.8	-0.02	GTPBP2	100.2	0.03

FLUAV			PIV3			NDV			HMPV			RSV			MV			BUNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
GJA4	100.8	0.01	TRIM38	94.5	-0.19	SOCS1	98.4	-0.08	SLC16A1	97.7	-0.14	HESX1	98.1	-0.11	CSDA	100.0	0.00	UPP2	100.2	0.03
SNN	101.0	0.02	C4orf33	94.6	-0.19	MAFF	98.5	-0.07	GLRX	97.7	-0.14	ANKRD22	98.3	-0.10	CD74	100.5	0.04	THOC4	100.4	0.05
NMI	101.0	0.02	CCDC75	95.1	-0.17	MYD88	98.5	-0.07	GBP5	97.9	-0.12	IL1RN	98.4	-0.09	CREB3L3	100.7	0.06	TNFAIP3	100.4	0.05
KIAA1618	101.0	0.02	RPL22	95.1	-0.17	PRKD2	98.5	-0.07	PARP12	97.9	-0.12	ZBP1	98.4	-0.09	CD9	100.7	0.06	SLC16A1	100.4	0.05
TXNIP	101.0	0.02	FAM46A	95.2	-0.17	MASTL	98.7	-0.07	MCOLN2	97.9	-0.12	CCDC75	98.4	-0.09	MASTL	100.7	0.06	DDIT4	100.5	0.06
EPSTI1	101.5	0.05	OASL	95.3	-0.16	CCL4	98.9	-0.06	PPM1K	98.3	-0.10	GBP3	98.6	-0.08	SPTLC2	100.7	0.06	IFI30	100.5	0.06
C10orf10	101.5	0.05	NCF1	95.6	-0.15	MAP3K5	98.9	-0.06	TNFSF10	98.3	-0.10	AGPAT9	98.7	-0.07	TMEM140	100.7	0.06	TNFAIP6	100.5	0.06
JUNB	101.5	0.05	SLC15A3	95.7	-0.15	AQP9	98.9	-0.06	IFIH1	98.3	-0.10	FNDC4	98.9	-0.06	BUB1	100.7	0.06	CRP	100.5	0.06
STARD5	101.8	0.06	IFIH1	95.9	-0.14	STARD5	99.1	-0.05	IFI30	98.5	-0.09	SNN	98.9	-0.06	SLFN5	101.0	0.08	NAPA	100.5	0.06
SAMHD1	101.8	0.06	CCL8	96.3	-0.13	KIAA0082	99.1	-0.05	PMAIP1	98.5	-0.09	LY6E	98.9	-0.06	G6PC	101.0	0.08	MARCKS	100.5	0.06
IFI44L	101.8	0.06	PFKFB3	96.4	-0.13	GZMB	99.4	-0.03	GPX2	98.5	-0.09	EIF3EIP	99.1	-0.05	DDX3X	101.0	0.08	MAX	100.7	0.08
DDX3X	102.0	0.07	THBD	96.5	-0.12	AMPH	99.4	-0.03	RBM25	98.5	-0.09	IFIT3	99.1	-0.05	BCL3	101.0	0.08	DNAPTP6	100.7	0.08
IFITM1	102.0	0.07	ADAMDEC1	97.2	-0.10	DDX58	99.4	-0.03	ZNF295	98.5	-0.09	IFITM2	99.4	-0.04	IFIT1	101.2	0.10	ZBP1	100.8	0.10
GBP4	102.3	0.08	RARRES3	97.7	-0.08	IFIT5	99.6	-0.02	NFIL3	98.7	-0.08	CX3CL1	99.4	-0.04	HK2	101.2	0.10	GBP2	100.8	0.10
ARHGEF3	102.3	0.08	PMAIP1	97.9	-0.07	PABPC4	99.9	0.00	DNAPTP6	98.7	-0.08	CD274	99.4	-0.04	ZNF295	101.2	0.10	C9orf91	100.8	0.10
HLA-F	102.5	0.10	SP110	98.0	-0.07	SIRPA	100.4	0.03	RIK2	98.7	-0.08	ADAR	99.7	-0.02	HSH2D	101.4	0.11	OAS3	101.0	0.12
STEAP4	102.5	0.10	SERPINE1	98.1	-0.07	DDX3X	100.4	0.03	DEFB1	98.9	-0.06	STAT1	99.8	-0.01	EPAS1	101.7	0.13	LINCR	101.0	0.12
ANGPTL1	102.5	0.10	C9orf91	98.1	-0.07	CXCL11	100.6	0.04	EHD4	98.9	-0.06	CCR1	100.0	0.00	IRF1	101.7	0.13	LMO2	101.0	0.12
PSCD1	102.5	0.10	PDK1	98.5	-0.05	SCO2	100.6	0.04	TNFAIP3	98.9	-0.06	IFI16	100.2	0.01	BST2	101.7	0.13	ANGPTL1	101.0	0.12
APOBEC3A	102.5	0.10	BCL2L14	98.5	-0.05	ETV7	100.8	0.05	GALNT2	98.9	-0.06	IFI44L	100.3	0.02	EIF3EIP	101.9	0.15	ANKFY1	101.2	0.14
RNF19B	102.8	0.11	RTP4	98.7	-0.05	CDKN1A	101.4	0.08	CCL5	99.4	-0.04	MT1H	100.5	0.03	AGPAT9	101.9	0.15	IL15RA	101.3	0.16
ZNF313	102.8	0.11	FER1L3	99.0	-0.04	IGFBP2	101.6	0.09	PLEKHA4	99.6	-0.03	IFIT1	100.6	0.04	HERC6	101.9	0.15	IL1RN	101.3	0.16
RARRES3	103.0	0.12	ADFP	99.1	-0.03	UNC93B1	101.6	0.09	TBX3	99.6	-0.03	GBP4	100.8	0.05	TRIM38	102.2	0.17	AQP9	101.3	0.16
EHD4	103.3	0.14	GBP5	99.2	-0.03	B4GALT5	101.6	0.09	COMMD3	99.6	-0.03	MS4A4A	101.0	0.06	IFITM1	102.2	0.17	FBXO6	101.3	0.16
IFI44	103.3	0.14	GEM	99.4	-0.02	GEM	101.8	0.10	SPSB1	100.0	0.00	MT1M	101.1	0.07	UNC84B	102.4	0.19	PTMA	101.3	0.16
IRF9	103.3	0.14	MAP3K5	99.4	-0.02	GBP4	101.8	0.10	FAM70A	100.0	0.00	MT1F	101.1	0.07	SOCS2	102.6	0.21	ISG20	101.3	0.16
C22orf28	103.3	0.14	C15orf48	99.5	-0.02	IRF2	101.9	0.11	ABTB2	100.0	0.00	C2orf31	101.1	0.07	BATF2	102.6	0.21	ANKRD22	101.5	0.18
TREX1	103.8	0.16	TXNIP	99.7	-0.01	PHF15	102.3	0.13	NMI	100.0	0.00	LGMN	101.3	0.08	SERPINE1	102.6	0.21	GAK	101.5	0.18
CCDC75	103.8	0.16	CCDC92	99.7	-0.01	IL1R	102.3	0.13	FLT1	100.2	0.01	CCND3	101.3	0.08	INDO	102.6	0.21	IFNGR1	101.5	0.18
CCL5	104.0	0.17	INDO	99.9	-0.01	ETV6	102.5	0.14	ENPP1	100.4	0.02	IFITM3	101.3	0.08	IGFBP2	102.6	0.21	PUS1	101.5	0.18
BLVRA	104.3	0.19	CLEC4E	99.9	-0.01	PBEF1	102.5	0.14	PFKFB3	100.4	0.02	GPX2	101.4	0.09	TREX1	102.9	0.22	ATP10D	101.5	0.18
CRY1	104.3	0.19	CCNA1	100.0	0.00	SERPINB9	102.5	0.14	LGMN	100.6	0.03	HLA-G	101.4	0.09	NT5C3	102.9	0.22	PLEKHA4	101.8	0.22
HEG1	104.3	0.19	IGFBP2	100.1	0.00	SAT1	102.6	0.15	HEG1	100.6	0.03	MASTL	101.4	0.09	MYD88	102.9	0.22	RBCK1	101.8	0.22
FAM125B	104.3	0.19	PSCD1	100.6	0.02	BCL2L14	102.8	0.16	SLFN5	100.6	0.03	RAB27A	101.6	0.10	CD69	102.9	0.22	APOL1	101.8	0.22
IFI35	104.5	0.20	S100A8	100.6	0.02	TRAFD1	102.8	0.16	NOS2A	100.8	0.04	CLEC4E	101.8	0.11	TIMP1	103.1	0.24	DCP1A	102.1	0.25
TIMP1	104.8	0.21	AXUD1	100.6	0.02	FNDC3B	102.8	0.16	AHNAK2	101.3	0.07	BST2	101.8	0.11	CCND3	103.1	0.24	RASSF4	102.3	0.27
MSR1	105.0	0.23	CRP	100.6	0.02	TLK2	103.1	0.18	APOL2	101.3	0.07	OPTN	102.1	0.13	PLEKHA4	103.1	0.24	MT1G	102.3	0.27
BTN3A3	105.3	0.24	RASSF4	100.7	0.02	CYP1B1	103.3	0.19	FBXO6	101.5	0.08	PARP12	102.2	0.14	CTCFL	103.1	0.24	IFIT5	102.3	0.27
TAP2	105.3	0.24	IFIT3	100.7	0.02	ERLIN1	103.5	0.20	MX1	101.7	0.09	STAP1	102.4	0.15	TRIM21	103.1	0.24	C1S	102.4	0.29
MAFF	105.3	0.24	CD74	100.8	0.02	FAM46A	103.6	0.21	TAP2	101.7	0.09	C10orf10	102.5	0.16	MTHFD2L	103.1	0.24	DDX60	102.4	0.29
SERPING1	105.5	0.25	RBM25	101.0	0.03	PARP12	104.0	0.22	LGALS3	101.9	0.11	CXCL9	103.0	0.19	SLC1A1	103.1	0.24	ADAMDEC1	102.6	0.31
CNP	105.8	0.27	BATF2	101.8	0.06	PFKFB3	104.2	0.23	IFI6	102.1	0.12	SAA1	103.0	0.19	PFKFB3	103.3	0.26	MAFB	102.6	0.31
TAP1	106.0	0.28	FNDC3B	102.4	0.08	TRIM5	104.2	0.23	PPM1K	102.3	0.13	LINCR	103.2	0.19	PPM1K	103.3	0.26	PI4K2B	102.6	0.31
PNPT1	106.0	0.28	PDGFRL	102.9	0.09	THBD	104.5	0.25	TLR3	102.3	0.13	C4orf33	103.3	0.20	EPSTI1	103.3	0.26	CEBPD	102.8	0.33
MYD88	106.0	0.28	TCF7L2	103.3	0.11	USP18	104.5	0.25	CLEC4E	102.5	0.14	PDGFRL	103.3	0.20	TLR7	103.3	0.26	PPM1K	102.9	0.35
PLEKHA4	106.3	0.29	EXT1	104.0	0.13	SECTM1	104.7	0.26	AGPAT9	102.5	0.14	TLR3	103.3	0.20	MAX	103.6	0.28	CXCL9	102.9	0.35
IL17RB	106.3	0.29	CXCL10	104.3	0.14	EPSTI1	104.8	0.27	DTX3L	102.7	0.15	SCARB2	103.5	0.21	EIF2AK2	103.6	0.28	TDRD7	103.1	0.37
LGALS9	106.5	0.30	GCH1	104.6	0.15	TNFSF10	105.0	0.28	ADAMDEC1	103.0	0.17	DYNLT1	103.7	0.22	MAB21L2	103.8	0.30	MICB	103.1	0.37
LGMN	106.5	0.30	ABTB2	105.3	0.18	CLEC4E	105.0	0.28	IL1RN	103.2	0.18	PRKD2	103.7	0.22	MT1M	104.0	0.32	HEG1	103.1	0.37
DDIT4	106.8	0.32	CPT1A	105.4	0.18	TBX3	105.0	0.28	TDRD7	103.2	0.18	IFITM3	103.8	0.23	FLJ39739	104.0	0.32	JUNB	103.1	0.37
ENPP1	106.8	0.32	EIF3EIP	105.8	0.19	PUS1	105.2	0.29	AKT3	103.4	0.19	GEM	103.8	0.23	CXCL10	104.0	0.32	CCND3	103.2	0.39
PPM1K	106.8	0.32	SLFN5	106.0	0.20	ISG15	105.2	0.29	STAT1	103.4	0.19	ISG20	103.8	0.23	TFEC	104.0	0.32	MKX	103.2	0.39
EIF3EIP	107.0	0.33	IFIT5	106.1	0.20	PLSCR1	105.3	0.30	OGFR	103.8	0.21	C9orf19	104.0	0.24	GTPBP2	104.3	0.34	CD38	103.2	0.39
RGS1	107.3	0.34	IFNGR1	106.2	0.20	B2M	105.3	0.30	MTHFD2L	104.0	0.23	FAM134B	104.3	0.26	GCH1	104.3	0.34	GCA	103.4	0.41
SCARB2	107.3	0.34	TBX3	106.2	0.21	PDK1	105.5	0.31	IFIT1	104.0	0.23	HERC6	104.3	0.26	GMPR	104.3	0.34	MT1H	103.4	0.41
PBEF1	107.5	0.36	ATP10D	106.8	0.22	MX2	105.9	0.33	CRP	104.4	0.25	BUB1	104.5	0.27	PCTK2	104.3	0.34	MT1F	103.6	0.42
FAM134B	107.5	0.36	ADM	107.3	0.24	NT5C3	106.0	0.34	TRIM38	104.4	0.25	IRF9	104.6	0.28	PDGFRL	104.3	0.34	RNF19B	103.7	0.44
IFI27	107.5	0.36	TMEM140	107.9	0.26	CES1	106.2	0.35	GTPBP2	104.6	0.26	PI4K2B	104.6	0.28	CCNA1	104.5	0.35	FLJ23556	103.7	0.44
COMMD3	107.5	0.36	ALDH1A1	108.1	0.27	GPX2	106.7	0.37	DYNLT1	104.6	0.26	NT5C3	104.6	0.28	DNAPTP6	104.5	0.35	PARP12	103.9	0.46
HESX1	107.8	0.37	DDX58	108.3	0.28	UPP2	106.9	0.38	IL1R	104.6	0.26	COMMD3	104.6	0.28	DDIT4	104.8	0.37	HK2	103.9	0.46
IFIT5	107.8	0.37	FKBP5	108.4	0.28	DUSP5	106.9	0.38	PML	105.1	0.29	TMEM49	104.8	0.29	CNP	104.8	0.37	C5orf27	104.0	0.48
TRIM21	107.8	0.37	DCP1A	108.4	0.28	C1S	106.9	0.38	C1S	105.3	0.30	ISG15	104.9	0.30	TRAFD1	105.0	0.39	IL17RB	104.0	0.48
SP110	108.0	0.38	TRIM21	108.9	0.30	CCDC92	107.4	0.41	IL6ST	105.3	0.30	CES1	104.9	0.30	PIM3	105.0	0.39	CD80	104.2	0.50
PCTK2	108.0	0.38	ARNTL	109.4	0.31	INDO	107.4	0.41	TIMP1	105.5	0.31	CMAH	105.1	0.31	SERPING1	105.0	0.39	OASL	104.2	0.50
SERPINB9	108.0	0.38	IFI6	109.9	0.33	OAS2	107.4	0.41	TYMP	105.5	0.31	ADFP	105.1	0.31	PADI2	105.0	0.39	SLC25A30	104.2	0.50
FLJ39739	108.3	0.40	LINCR	110.1	0.34	SSBP3	107.4	0.41	GAK	105.5	0.31	FER1L3	105.1	0.31	PCTK3	105.0	0.39	STAT1	104.4	0.52
CMAH	108.3	0.40	C4orf32	110.3	0.34	SMAD3	107.6	0.42	MYD88	105.7	0.32	GLRX	105.3	0.32	LINCR	105.2	0.41	TBX3	104.4	0.52
CRP	108.3	0.40	HLA-G	110.3	0.34	PSCD1	107.7	0.43	SAT3	105.9	0.33	GAK	105.7	0.35	RGS1	105.2	0.41	NOD2	104.4	0.52
INDO	108.3	0.40	LEPR	111.0	0.37	TYMP	108.2	0.46	LAP3	105.9	0.33	IMPA2	105.7	0.35	KIAA0040	105.2	0.41	BATF2	104.4	0.52
IFIT3	108.3	0.40	RAB27A	111.0	0.37	PNRC1	108.2	0.46	OPTN	105.9	0.33	IL28RA	105.7	0.35	OAS2	105.5	0.43	XAF1	104.4	0.52
GBP2	108.3	0.40	ARHGEF3	111.2	0.37	CEACAM	108.8	0.49	DHX58	106.1	0.35	TLK2	105.7	0.35	ZBP1	105.5	0.43	DEFB1	104.5	0.54
TNFSF10	108.5	0.41	UPP2	111.6	0.39	RARRES3	108.8	0.49	HERC6	106.1	0.35	LIPA	106.0	0.37	ARG2	105.7	0.45	CPT1A	104.5	0.54
GTPBP2	108.8	0.42	AQP9	111.6	0.39	CRY1	108.9	0.49	MAB21L2	106.3	0.36	IFI27	106.4	0.39	PHF15	105.9	0.47	TIMP1	104.7	0.56
SERPINE1	109.0	0.43	PNRC1	111.7	0.39	CREB3L3	109.1	0.50	ODC1	106.3	0.36	ATP10D	106.4	0.39	FBXO6	105.9	0.47	IFITM2	104.7	0.56
HPSE	109.0	0.43	TAP2	111.7	0.39	GJA4	109.1	0.50	RNF24	106.3	0.36	INDO	106.4	0.39	AXUD1	105.9	0.47	HLA-F	104.9	0.58
DCP1A	109.0	0.43	STEAP4	112.0	0.40	CRP	109.3	0.51	MAP3K5	107.0	0.40	TNFAIP3	106.5	0.40	IFI44	105.9	0.47	SSBP3	104.9	0.58
MTHFD2L	109.3	0.45	CFB	112.5	0.42	OGFR	109.3	0.51	cGAS	107.8	0.44	C5orf27	106.7	0.41	ZNF313	105.9	0.47	PDK1	104.9	0.58
DEFB1	109.3	0.45	MX1	112.7	0.42	MAFB	109.4	0.52	PADI2	108.0	0.46	NOD2	106.7	0.41	GTPBP1	106.2	0.48	BAG1	105.0	0.59
TNSF13B	109.3	0.45	DTX3L	112.8	0.43	LRG1	109.6	0.53	JUNB	108.0	0.46	SAT3	106.7	0.41	SLC25A28	106.2	0.48	cGAS	105.0	0.59
FCGR1A	109.3	0.45	LGMN	113.2	0.44	ZBP1	109.6	0.53	PNRC1	108.4	0.48	BCL2L14	106.8	0.41	GBP1	106.4	0.50	FAM125B	105.3	0.63
RPL22	109.5	0.46	APOBEC3A	113.7	0.46	SLC25A28	109.6	0.53	CLEC4D	108.9	0.50	SLC25A30	107.0	0.42	AHNAK2	106.4	0.50	TYMP	105.3	0.63
CXCL10	109.5	0.46	NFIL3	113.8	0.46	CLEC4D	109.9	0.55	ARG2	108.9	0.50	TMEM140	107.2	0.43	CD38	106.4	0.50	CCL19	105.3	0.63
FLJ23556	109.5	0.46	UBE2L6	114.0	0.47	GTPBP2	110.1	0.56	CXCL11	108.9	0.50	MAB21L2	107.3	0.44	KIAA0082	106.4	0.50	DUSP5	105.3	0.63

FLUAV			PIV3			NDV			HMPV			RSV			MV			BUNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
CLEC4E	110.0	0.49	TMEM49	114.1	0.47	KIAA0040	110.1	0.56	CASP7	108.9	0.50	IFI30	107.5	0.45	LGALS3	106.6	0.52	UNC93B1	105.5	0.65
PUS1	110.0	0.49	PRIC285	114.5	0.48	DNAPTP6	110.1	0.56	TNFRSF10A	109.1	0.52	IFNGR1	107.5	0.45	ANKRD22	106.6	0.52	APOL2	105.7	0.67
UPP2	110.0	0.49	GLRX	114.7	0.49	ADAR	110.1	0.56	CD163	109.1	0.52	IL15	107.6	0.46	PNPT1	106.6	0.52	CD74	105.7	0.67
CD9	110.3	0.50	CCL19	114.7	0.49	CNP	110.3	0.57	SAA1	109.3	0.53	CCDC109B	107.6	0.46	TNSF13B	107.1	0.56	MT1M	105.7	0.67
HLA-E	110.5	0.51	GBP3	114.8	0.50	AGPAT9	110.3	0.57	FAM125B	109.3	0.53	CXCL11	107.8	0.47	C10orf10	107.1	0.56	SCO2	105.7	0.67
NFIL3	110.5	0.51	G6PC	114.9	0.50	MT1H	110.3	0.57	FLJ23556	109.5	0.54	IL1R	108.0	0.48	PDK1	107.1	0.56	CASP7	105.7	0.67
NDC80	111.0	0.54	TRIM34	115.6	0.52	PTMA	110.5	0.58	SLC25A30	109.7	0.55	CEBPD	108.1	0.49	FUT4	107.4	0.58	ALDH1A1	105.8	0.69
TMEM49	111.3	0.55	MAFF	116.3	0.55	RASSF4	110.8	0.60	IGFBP2	109.9	0.56	IFI44	108.3	0.50	C9orf19	107.4	0.58	HERC6	106.0	0.71
TNFAIP6	111.3	0.55	JAK2	117.3	0.58	ARHGEF3	111.0	0.61	PBEF1	110.3	0.59	DUSP5	108.3	0.50	MT1F	107.6	0.60	TNFSF10	106.0	0.71
MT1X	111.3	0.55	IL15	117.7	0.59	AHNAK2	111.3	0.63	ADM	111.6	0.66	FLJ23556	108.4	0.51	IFITM2	107.6	0.60	FNDC4	106.0	0.71
EXT1	111.5	0.56	SECTM1	118.0	0.60	SLC25A30	111.5	0.63	XAF1	111.6	0.66	PMAIP1	108.4	0.51	FER1L3	107.6	0.60	ETV6	106.3	0.75
SAMD4A	111.8	0.58	LRG1	118.0	0.60	LIPA	111.6	0.64	SERPINE1	111.8	0.67	BAG1	108.6	0.52	TXNIP	107.8	0.61	RGS1	106.3	0.75
FKBP5	111.8	0.58	AGPAT9	118.4	0.62	ENPP1	111.8	0.65	SECTM1	112.0	0.69	IL15RA	108.7	0.53	STEAP4	107.8	0.61	BLVRA	106.3	0.75
AMPH	112.3	0.60	LAMP3	118.5	0.62	TMEM49	111.8	0.65	IFNGR1	112.0	0.69	RNF24	108.9	0.54	SP110	107.8	0.61	TXNIP	106.5	0.76
BCL2L14	112.3	0.60	PNPT1	118.6	0.62	COMMD3	112.3	0.68	RGS1	112.2	0.70	BLVRA	109.2	0.56	BTN3A3	108.1	0.63	UNC84B	106.6	0.78
PMM2	112.5	0.62	IL6ST	119.0	0.64	P2RY6	112.3	0.68	MKX	112.2	0.70	USP18	109.4	0.57	C15orf48	108.3	0.65	CCL8	106.6	0.78
GEM	112.5	0.62	ENPP1	119.3	0.65	RIK2	112.3	0.68	PABPC4	112.2	0.70	TNSF13B	109.5	0.58	PXK	108.5	0.67	NUP50	106.6	0.78
IFI16	112.5	0.62	CYP1B1	119.8	0.66	cGAS	112.3	0.68	STEAP4	112.4	0.71	MCOLN2	110.0	0.61	PMM2	108.5	0.67	PSMB8	106.6	0.78
B2M	112.8	0.63	CRY1	120.5	0.69	RBCK1	112.3	0.68	MCL1	112.7	0.72	LGALS3	110.5	0.64	IFI35	108.5	0.67	IRF9	106.9	0.82
NRN1	112.8	0.63	ZNF385B	120.8	0.70	CLEC2B	112.5	0.69	UNC84B	112.7	0.72	FLT1	110.7	0.64	HEG1	108.8	0.69	PMM2	106.9	0.82
HSH2D	112.8	0.63	C1S	121.2	0.71	IFIT1	112.7	0.70	IFI27	112.7	0.72	ZNF313	110.8	0.65	UPP2	109.3	0.73	GZMB	107.3	0.86
SOCS2	112.8	0.63	IRF9	121.5	0.72	SOCS2	112.8	0.71	C2orf31	112.7	0.72	B2M	111.0	0.66	COMMD3	109.3	0.73	CDKN1A	107.4	0.88
ARNTL	113.0	0.64	HSH2D	121.6	0.72	DDX60	112.8	0.71	IFIT2	112.7	0.72	TRIM14	111.0	0.66	ADAMDEC1	109.5	0.74	MCOLN2	107.6	0.90
WARS	113.0	0.64	UNC84B	121.7	0.73	STEAP4	113.2	0.73	THOC4	112.9	0.73	VAMP5	111.1	0.67	IFIT5	109.5	0.74	CYP1B1	107.6	0.90
STAP1	113.0	0.64	OAS2	121.9	0.74	C5orf39	113.2	0.73	TRAFD1	112.9	0.73	IFI6	111.3	0.68	NAPA	109.5	0.74	ATF3	107.6	0.90
CCL8	113.5	0.67	NAPA	122.8	0.77	IL15	113.2	0.73	VEGFC	112.9	0.73	RARRES3	111.3	0.68	DTX3L	109.5	0.74	ARHGEF3	107.6	0.90
IFIT1	114.3	0.71	GBP2	123.1	0.78	TMEM51	113.3	0.74	AMPH	112.9	0.73	ABLIM3	111.3	0.68	LRG1	109.7	0.76	PFKFB3	107.7	0.92
TRIM38	114.3	0.71	HK2	123.4	0.79	CFB	113.3	0.74	MAFB	113.1	0.75	GCA	111.9	0.72	PRIC285	109.7	0.76	APOBEC3A	107.7	0.92
ZBP1	114.3	0.71	FNDC4	123.5	0.79	CASP7	113.3	0.74	MASTL	113.3	0.76	FAM46C	111.9	0.72	SAMHD1	110.0	0.78	SECTM1	107.7	0.92
BUB1	114.3	0.71	COMMD3	123.7	0.80	DDIT4	113.5	0.75	TMEM49	113.5	0.77	DDX60	111.9	0.72	NPAS2	110.0	0.78	ZNF313	107.9	0.93
G6PC	114.8	0.73	LIPA	123.8	0.80	CCDC109B	113.7	0.76	FKBP5	113.5	0.77	C22orf28	112.1	0.73	USP18	110.0	0.78	SLFN5	107.9	0.93
SAT3	114.8	0.73	PI4K2B	124.5	0.82	LY6E	114.4	0.79	CX3CL1	113.7	0.78	MKX	112.1	0.73	LIPA	110.2	0.80	HLA-G	107.9	0.93
DTX3L	114.8	0.73	CCL5	124.6	0.83	CEBPD	114.7	0.81	AIM2	113.9	0.79	TFEC	112.2	0.74	TDRD7	110.2	0.80	PCTK2	108.2	0.97
AIM2	115.3	0.76	PRKD2	125.1	0.84	MSR1	115.2	0.84	JAK2	114.1	0.81	MAX	112.6	0.76	PBEF1	110.4	0.82	AIM2	108.2	0.97
CTCFL	115.5	0.77	GMPR	125.4	0.85	LAP3	115.4	0.85	PUS1	114.1	0.81	CCL8	112.7	0.77	GBP4	110.4	0.82	IL6ST	108.5	1.01
ABTB2	115.5	0.77	NMI	125.7	0.86	ULK4	115.4	0.85	TNFAIP6	114.3	0.82	MAFF	112.9	0.78	LAP3	110.7	0.84	FAM46A	108.7	1.03
GK	115.5	0.77	GK	126.2	0.88	TNFRSF10A	115.6	0.86	HLA-G	114.3	0.82	CD80	112.9	0.78	FNDC4	110.9	0.86	FNDC3B	108.7	1.03
TRIM5	115.8	0.78	CXCL9	126.3	0.88	ARNTL	115.6	0.86	STAP1	114.3	0.82	EPAS1	113.0	0.79	LMO2	110.9	0.86	IMPA2	109.0	1.07
HK2	116.0	0.80	DEFB1	126.3	0.88	PPM1K	115.6	0.86	CCNA1	114.3	0.82	CCDC92	113.2	0.80	TMEM49	110.9	0.86	NFIL3	109.0	1.07
CCL4	116.3	0.81	ANKFY1	126.4	0.89	CTCFL	115.7	0.87	PNPT1	114.3	0.82	TAP1	113.2	0.80	IFI16	110.9	0.86	TAP2	109.2	1.09
VAMP5	116.3	0.81	IFIT1	126.5	0.89	ANKFY1	116.1	0.89	ZBP1	114.3	0.82	PLSCR1	113.2	0.80	CD274	111.1	0.87	BCL3	109.2	1.09
PDK1	116.8	0.84	CEBPD	127.0	0.90	MCOLN2	116.1	0.89	ZNF107	114.3	0.82	MTHFD2L	113.5	0.82	CEBPD	111.4	0.89	ERLIN1	109.3	1.10
PRIC285	116.8	0.84	NT5C3	127.3	0.91	ABTB2	116.2	0.90	ZNF385B	114.8	0.84	CCL4	114.2	0.86	PI4K2B	111.4	0.89	MAFF	109.5	1.12
CD80	116.8	0.84	TYMP	128.2	0.95	TAP1	116.2	0.90	ABCA9	114.8	0.84	CTCFL	114.6	0.88	IFI6	111.4	0.89	FKBP5	109.5	1.12
IL28RA	117.0	0.85	DDX3X	128.2	0.95	PXK	116.4	0.91	FLJ39739	115.0	0.85	ANGPTL1	114.8	0.89	PABPC4	111.6	0.91	MSR1	109.7	1.14
LAP3	117.0	0.85	FFAR2	128.9	0.97	MT1F	116.4	0.91	PRKD2	115.0	0.85	FBXO6	114.9	0.90	IL1RN	111.9	0.93	TRIM25	109.8	1.16
RIK2	117.0	0.85	CTCFL	129.4	0.99	FAM125B	117.1	0.94	LAMP3	115.2	0.87	TRIM38	115.1	0.91	PSMB8	112.1	0.95	SERPINE1	109.8	1.16
CXCL9	117.0	0.85	HPSE	129.9	1.00	PDGFRL	117.1	0.94	DDX3X	115.2	0.87	RNASE4	115.4	0.93	FAM125B	112.1	0.95	RAB27A	109.8	1.16
SSBP3	117.3	0.86	MT1M	129.9	1.00	GBP3	117.1	0.94	CPT1A	115.4	0.88	GTPBP2	115.6	0.94	APOL1	112.1	0.95	IFI35	110.1	1.20
GBP1	117.5	0.88	TAP1	130.0	1.01	EPAS1	117.3	0.95	MT1M	115.8	0.90	SSBP3	115.7	0.95	C5orf27	112.3	0.97	FLJ39739	110.3	1.22
CCL19	118.3	0.91	MT1H	130.2	1.01	PMM2	117.3	0.95	NOD2	115.8	0.90	XAF1	115.9	0.96	S100A8	112.3	0.97	FUT4	110.6	1.26
ALDH1A1	118.3	0.91	CASP7	130.2	1.01	TAP2	117.3	0.95	CEBPD	116.0	0.91	OASL	116.1	0.97	C4orf33	112.3	0.97	AKT3	110.6	1.26
PXK	118.5	0.93	CHMP5	131.0	1.04	SERPINE1	117.4	0.96	BUB1	116.7	0.95	RNF19B	116.5	1.00	TNFAIP6	112.3	0.97	IGFBP2	110.8	1.27
CCDC92	118.5	0.93	C22orf28	131.2	1.05	THOC4	117.4	0.96	BLZF1	116.7	0.95	APOBEC3A	116.5	1.00	ALDH1A1	112.3	0.97	TRIM38	111.1	1.31
HLA-G	118.8	0.94	KIAA0040	131.4	1.05	UBA7	117.6	0.97	LINCR	116.9	0.96	NAPA	116.7	1.01	TMEM51	112.3	0.97	VEGFC	111.4	1.35
BATF2	118.8	0.94	GBP1	131.5	1.06	IFI6	117.8	0.98	DDX58	117.1	0.98	ABTB2	116.7	1.01	IFIT3	112.3	0.97	KIAA1618	111.4	1.35
P2RY6	119.3	0.97	JUNB	131.5	1.06	TNFAIP6	117.8	0.98	BAG1	117.1	0.98	PMM2	117.2	1.04	CCL8	112.6	0.99	C15orf48	112.5	1.48
KIAA0040	119.3	0.97	PPM1K	132.1	1.08	MTHFD2L	117.8	0.98	HK2	117.1	0.98	OAS2	117.5	1.06	C22orf28	112.8	1.00	SCARB2	112.7	1.50
VEGFC	119.5	0.98	CD163	132.1	1.08	JAK2	117.8	0.98	CES1	117.1	0.98	CRP	117.8	1.08	NDC80	112.8	1.00	LGMN	113.3	1.58
ISG15	119.8	0.99	FLJ23556	132.6	1.10	RPL22	118.3	1.01	ETV6	117.7	1.01	ARG2	117.8	1.08	CFB	112.8	1.00	P2RY6	113.5	1.60
CD74	120.3	1.02	MAB21L2	133.2	1.12	PNPT1	118.3	1.01	CTCFL	117.9	1.02	FAM125B	117.8	1.08	MS4A4A	112.8	1.00	PIM3	113.5	1.60
GCH1	120.5	1.03	LGALS3	134.7	1.16	DTX3L	118.8	1.04	TLK2	117.9	1.02	G6PC	118.4	1.11	WARS	112.8	1.00	WARS	113.8	1.63
TYMP	121.0	1.06	GCA	135.4	1.19	IL1RN	119.1	1.05	VAMP5	118.1	1.04	SERPINE1	118.6	1.12	FFAR2	112.8	1.00	OGFR	114.0	1.65
LGALS3	121.0	1.06	STAP1	135.7	1.20	ELF1	119.3	1.06	USP18	118.1	1.04	DEFB1	118.6	1.12	ZNF385B	113.0	1.02	PNRC1	114.0	1.65
MAB21L2	121.0	1.06	APOL2	136.0	1.21	BLVRA	119.6	1.08	IRF9	118.1	1.04	PUS1	118.8	1.13	AMPH	113.0	1.02	CREB3L3	114.3	1.69
PFKFB3	121.3	1.07	TIMP1	136.4	1.22	IMPA2	119.8	1.09	SCO2	118.1	1.04	CCL19	119.1	1.15	HLA-G	113.0	1.02	IFIT1	114.3	1.69
FAM70A	121.3	1.07	PBEF1	137.2	1.25	HERC6	120.0	1.10	HSH2D	119.2	1.10	KIAA1618	119.1	1.15	MT1G	113.3	1.04	AGPAT9	114.8	1.75
EIF2AK2	121.3	1.07	CCL4	137.8	1.27	CD9	120.3	1.12	FNDC3B	119.2	1.10	JAK2	119.1	1.15	DYNLT1	113.3	1.04	TAGAP	114.9	1.77
C4orf33	121.8	1.10	HLA-C	137.9	1.27	TLR7	120.3	1.12	UPP2	119.4	1.11	PBEF1	119.2	1.16	TCF7L2	113.3	1.04	TRIM5	114.9	1.77
PML	122.0	1.11	PCTK3	139.2	1.32	UNC84B	120.5	1.13	CD274	119.8	1.13	MX1	119.7	1.19	GZMB	113.7	1.08	PDGFRL	114.9	1.77
FBXO6	122.3	1.12	PCTK2	139.2	1.32	APOBEC3A	120.5	1.13	GZMB	120.0	1.14	IL6ST	119.7	1.19	CMAH	113.7	1.08	STARD5	115.1	1.78
C15orf48	122.3	1.12	SAT3	139.4	1.32	NPAS2	120.7	1.14	FER1L3	120.0	1.14	KIAA0040	120.8	1.26	SCO2	113.7	1.08	IFIT3	115.1	1.78
TLK2	122.3	1.12	TFEC	141.5	1.39	IFI44	120.8	1.15	SSBP3	120.0	1.14	ODC1	120.8	1.26	ZNF107	113.7	1.08	GMPR	115.3	1.80
IGFBP2	122.5	1.13	VAMP5	142.1	1.42	TFEC	121.2	1.17	LIPA	120.2	1.16	GCH1	121.0	1.27	ANKFY1	113.7	1.08	TRIM34	115.7	1.86
UBE2L6	122.5	1.13	C5orf27	142.1	1.42	C5orf27	121.5	1.19	CEACAM	120.7	1.18	IFIH1	121.1	1.28	CD80	113.7	1.08	GBP1	115.7	1.86
CYP1B1	122.8	1.15	ERLIN1	142.1	1.42	TIMP1	122.0	1.21	TRIM5	121.3	1.22	BLZF1	121.1	1.28	ADM	114.0	1.10	IFI44	116.2	1.92
PADI2	122.8	1.15	ARG2	142.9	1.44	HES4	122.9	1.26	BTN3A3	121.3	1.22	ADAMDEC1	121.3	1.29	SECTM1	114.0	1.10	B4GALT5	116.9	1.99
ADFP	123.0	1.16	IL28RA	143.0	1.45	HPSE	123.2	1.28	RBCK1	121.5	1.23	ARNTL	121.5	1.30	CCL19	114.2	1.12	USP18	116.9	1.99
PHF15	123.3	1.17	IFI27	143.3	1.46	TDRD7	123.6	1.30	PMM2	121.7	1.24	UPP2	121.8	1.31	MT1X	114.7	1.15	TRIM21	116.9	1.99
APOL6	123.3	1.17	FLJ39739	143.7	1.47	IL28RA	124.6	1.35	NCF1	122.1	1.27	GJA4	121.8	1.31	CRY1	114.7	1.15	CMAH	117.0	2.01
MS4A4A	123.5	1.19	LAP3	144.6	1.50	RBM25	124.8	1.36	MT1F	122.4	1.28	ELF1	121.8	1.31	IFI44L	114.9	1.17	SPSB1	117.2	2.03
ARG2	123.8	1.20	MTHFD2L	145.0	1.51	CCNA1	124.9	1.37	CHMP5	122.4	1.28	AMPH	121.9	1.32	GAK	115.2	1.19	CCDC75	118.0	2.12
DYNLT1	124.0	1.21	ELF1	145.0	1.51	ZNF385B	126.8	1.47	TREX1	122.8	1.30	RPL22	121.9	1.32	MT1H	115.2	1.19	IFI6	118.3	2.16

FLUAV			PIV3			NDV			HMPV			RSV			MV			BUNV		
Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z	Gene	Rep	Z
LINCR	124.3	1.23	PPM1K	145.2	1.52	MT1G	126.8	1.47	DUSP5	123.0	1.31	LAP3	122.3	1.34	ELF1	115.2	1.19	STEAP4	119.4	2.29
SECTM1	124.3	1.23	ZBP1	145.6	1.53	RNF19B	127.0	1.48	NT5C3	123.0	1.31	GK	122.9	1.38	GBP2	115.6	1.23			
PI4K2B	124.5	1.24	MAFB	146.2	1.55	ODC1	127.0	1.48	LEPR	123.2	1.33	STEAP4	123.5	1.42	SAT3	116.1	1.26			
SLC15A3	125.0	1.26	STAT1	147.4	1.59	HLA-F	128.5	1.57	ERLIN1	123.4	1.34	TAP2	123.7	1.43	APOL2	116.6	1.30			
SLC25A28	125.7	1.30	GTPBP2	147.4	1.59	FLJ23556	128.5	1.57	DDX60	123.8	1.36	CCL2	123.9	1.44	ADFP	116.6	1.30			
LAMP3	126.0	1.32	CCL2	148.1	1.62	ADM	129.3	1.61	ANKFY1	124.0	1.37	AHNAK2	124.0	1.45	TRIM5	116.6	1.30			
S100A8	127.0	1.37	B2M	148.5	1.63	C9orf91	129.3	1.61	DDIT4	124.3	1.39	OAS1	124.3	1.47	C2orf31	117.1	1.34			
CCL2	127.5	1.39	MAX	148.8	1.64	TNFAIP3	129.9	1.64	FNDC4	124.3	1.39	FNDC3B	124.5	1.48	RPL22	117.1	1.34			
FUT4	128.5	1.45	MT1F	149.3	1.66	TCF7L2	130.4	1.67	HESX1	125.1	1.43	PNRC1	125.1	1.52	CRP	117.3	1.36			
SLFN5	128.5	1.45	IL1RN	149.6	1.67	MT1M	130.7	1.69	MT1G	125.3	1.45	BATF2	126.1	1.57	MKX	117.3	1.36			
LRG1	129.7	1.51	C2orf31	150.1	1.68	NOD2	131.4	1.73	RNASE4	125.3	1.45	TNFSF10	126.1	1.57	APOL6	117.5	1.38			
GTPBP1	130.2	1.54	OPTN	150.2	1.69	CX3CL1	131.9	1.75	TRIM14	125.3	1.45	ANKFY1	126.2	1.58	TNFSF10	117.8	1.39			
SCO2	130.2	1.54	CCND3	150.4	1.69	HLA-C	131.9	1.75	GK	125.5	1.46	CFB	126.6	1.60	P2RY6	118.0	1.41			
CCDC109B	132.2	1.64	EPAS1	151.4	1.73	ADAMDEC1	131.9	1.75	C5orf27	125.7	1.47	CASP7	126.7	1.61	CCL2	118.0	1.41			
MAP3K5	133.0	1.68	HLA-E	153.5	1.80	GAK	132.9	1.81	NAPA	125.9	1.48	TCF7L2	126.7	1.61	DEFB1	118.0	1.41			
MKX	133.7	1.72	PMM2	153.7	1.81	CCND3	133.8	1.86	CCL4	127.2	1.56	PNPT1	126.9	1.62	MAFF	118.2	1.43			
C2orf31	135.0	1.78	TNFRSF10A	154.3	1.83	GCA	135.8	1.97	TAGAP	127.4	1.57	CHMP5	127.2	1.64	FLJ23556	118.5	1.45			
SMAD3	135.2	1.80	CCDC109B	156.3	1.89	MARCKS	135.8	1.97	CCL2	128.5	1.63	DDX58	127.5	1.66	ENPP1	118.7	1.47			
EPAS1	135.2	1.80	SSBP3	157.4	1.93	IL6ST	137.5	2.06	PXK	128.5	1.63	SIRPA	128.3	1.71	CCDC109B	118.9	1.49			
CREB3L3	137.0	1.89	MT1G	159.9	2.02	ATP10D	137.5	2.06	CFB	128.5	1.63	SLFN5	128.6	1.73	CCDC75	119.4	1.52			
GZMB	138.0	1.94	P2RY6	160.7	2.04	MAX	138.2	2.10	HLA-C	128.7	1.64	TAGAP	128.9	1.75	DCP1A	119.7	1.54			
TRIM14	138.5	1.96	SERPINB9	161.3	2.06	JUNB	139.6	2.17	PI4K2B	128.7	1.64	DTX3L	129.6	1.78	MAP3K5	119.9	1.56			
SLC1A1	138.5	1.96	FAM134B	164.0	2.15	IFIT2	140.6	2.23	APOBEC3A	128.7	1.64	ENPP1	130.2	1.82	GK	121.1	1.65			
APOL2	138.7	1.98	GZMB	164.3	2.16	N4BP1	140.7	2.24	SIRPA	129.1	1.66	GZMB	131.3	1.89	TAGAP	121.1	1.65			
ETV6	141.2	2.11	DYNLT1	165.9	2.21	IRF9	141.8	2.30	SLC1A1	129.7	1.70	DDX3X	131.8	1.92	FKBP5	121.5	1.69			
SOCS1	142.5	2.17	CREB3L3	176.8	2.58	NCF1	143.3	2.38	TCF7L2	130.4	1.74	TNFAIP6	132.4	1.96	CXCL9	121.8	1.71			
ETV7	142.7	2.18	DDIT4	181.1	2.73	TAGAP	149.3	2.71	UNC93B1	130.8	1.76	MAP3K5	132.8	1.98	FNDC3B	121.8	1.71			
LY6E	143.0	2.20	MKX	196.1	3.23				SLC25A28	131.0	1.77	RBM25	132.9	1.98	TYMP	122.5	1.77			
TFEC	144.0	2.25							TLR7	131.0	1.77	RTP4	133.4	2.01	MAFB	123.9	1.88			
MCOLN2	145.5	2.33							MT1H	131.2	1.78	NPAS2	135.5	2.14	VEGFC	123.9	1.88			
									CCND3	131.9	1.82	APOL6	139.1	2.36	TLK2	125.3	1.99			
									THBD	133.3	1.91	APOL2	139.4	2.38	IFIH1	131.7	2.49			
									C9orf91	134.0	1.94	MAFB	150.2	3.03	DDX58	139.8	3.12			
									HLA-E	134.4	1.97									
									EPAS1	134.4	1.97									
									NPAS2	134.6	1.98									
									B2M	136.5	2.09									
									GCA	136.5	2.09									
									IFIT5	137.5	2.15									
									C22orf28	143.9	2.51									

Supplementary Table 3. Gene ontology (GO) analysis of the top 30 inhibitory genes from 12 screens. GO terms associated with a known pathway were assigned to each protein in the list. The *P-values* were determined by a Hypergeometric test, corrected using the Benjamini and Hochberg false discovery rate procedure, and ranked based on enrichment value.

Supplementary Table 3. Gene ontology analysis of top 30 ISGs in primary screens

		EAV		YFV		WNV		CHIKV		SINV-A		SINV-G		PIV3		NDV		MVac		HMPV		FLUAV	
GO Id	Term	# genes	p value	# genes	p value	# genes	p value	# genes	p value	# genes	p value	# genes	p value	# genes	p value	# genes	p value	# genes	p value	# genes	p value	# genes	p value
GO:0009615	response to virus	13	3.12E-13	7	4.88E-05	8	1.24E-05	8	9.11E-06	7	6.71E-05	7	4.33E-05	8	7.39E-06	7	2.70E-05	6	7.06E-04	5	2.65E-02	6	2.16E-03
GO:0051707	response to other organism	14	1.93E-09	10	2.54E-05			8	1.44E-03	7	1.31E-02	7	7.22E-03	8	3.49E-03	7	1.02E-02	7	1.08E-02			8	3.83E-03
GO:0009607	response to biotic stimulus	14	2.66E-09	10	2.54E-05	8	3.11E-03	8	1.80E-03	7	1.78E-02	7	8.92E-03	8	4.54E-03	7	1.37E-02	7	1.19E-02			8	4.62E-03
GO:0034340	response to type I interferon	7	1.79E-07	5	1.39E-04			5	1.70E-04	4	5.11E-03			6	7.39E-06	7	8.63E-08	7	6.24E-08	5	5.04E-04	5	5.67E-04
GO:0060337	type I interferon-mediated signaling pathway	7	1.79E-07	5	1.39E-04			6	9.11E-06	4	5.11E-03	4	3.96E-03	6	7.39E-06	7	8.63E-08	7	6.24E-08	5	5.04E-04	5	5.67E-04
GO:0071357	cellular response to type I interferon	7	1.79E-07	5	1.39E-04			5	1.70E-04	4	5.11E-03			6	7.39E-06	7	8.63E-08	7	6.24E-08	5	5.04E-04	5	5.67E-04
GO:0051607	defense response to virus	6	2.45E-06	3	4.56E-02	5	1.34E-04	4	1.80E-03	4	2.79E-03	4	2.17E-03										
GO:0045087	innate immune response	11	2.55E-06	11	5.35E-06			9	1.42E-04	9	1.65E-04	9	8.41E-05	9	2.95E-04	11	4.86E-07	11	2.81E-07	9	5.04E-04	7	1.84E-02
GO:0051704	multi-organism process	14	2.86E-06	10	3.44E-03	8	2.30E-03			10	4.58E-03	8	4.30E-02	9	3.37E-02							9	2.37E-02
GO:0006952	defense response	13	6.63E-06	12	2.54E-05	8	4.67E-02	9	5.84E-03	9	9.04E-03	8	1.96E-02	11	3.76E-04	11	6.38E-05	11	8.19E-05	10	4.12E-03	9	1.42E-02
GO:0060333	interferon-gamma-mediated signaling pathway	6	1.44E-05											4	1.14E-02	5	1.95E-04	4	7.86E-03				
GO:0006955	immune response	12	3.72E-05	12	2.54E-05	8	3.62E-02	10	7.36E-04	10	1.11E-03	9	3.38E-03	10	1.93E-03	12	4.39E-06	9	3.66E-03	11	5.04E-04	8	3.67E-02
GO:0071346	cellular response to interferon-gamma	6	3.72E-05	6	2.54E-05					4	1.31E-02			4	2.11E-02	7	5.15E-07	4	1.19E-02				
GO:0034341	response to interferon-gamma	6	8.80E-05	7	7.09E-06					4	2.20E-02			4	3.37E-02	7	1.30E-06	4	2.07E-02				
GO:0032479	regulation of type I interferon production	5	1.09E-04	4	2.73E-03	4	3.69E-03	5	1.28E-04	6	1.33E-05	6	6.12E-06										
GO:0019221	cytokine-mediated signaling pathway	8	1.16E-04	8	6.19E-05			7	7.49E-04			5	4.50E-02	12	2.05E-09	8	3.13E-05	9	1.98E-06	7	2.60E-03	7	2.16E-03
GO:0002252	immune effector process	7	2.86E-04					5	2.19E-02			5	1.56E-02										
GO:0032481	positive regulation of type I interferon production	4	3.21E-04	3	1.24E-02	4	4.53E-04	5	9.11E-06	5	1.43E-05	5	8.74E-06										
GO:0001819	positive regulation of cytokine production	6	5.64E-04			6	5.40E-04	6	3.60E-04	6	4.58E-04	6	2.86E-04										
GO:0071260	cellular response to mechanical stimulus	4	2.60E-03					4	1.69E-03	3	4.75E-02	3	3.42E-02			3	4.13E-02						
GO:0002376	immune system process	12	2.97E-03			11	6.20E-03							11	1.14E-02	14	5.25E-06	12	4.08E-04	11	1.57E-02	10	2.99E-02
GO:0032728	positive regulation of interferon-beta production	3	3.00E-03			4	8.44E-05	4	5.07E-05	4	4.09E-05	4	4.33E-05										
GO:0009612	response to mechanical stimulus	5	3.67E-03					4	3.06E-02	4	3.80E-02												
GO:0071345	cellular response to cytokine stimulus	7	5.12E-03	9	2.54E-05									11	3.42E-07	9	9.86E-06	8	1.95E-04			6	2.99E-02
GO:0034124	reg. of MyD88-dependent TLR signaling pathway	2	5.93E-03	2	5.20E-03	2	6.82E-03	2	4.81E-03	2	5.98E-03	2	5.13E-03	2	8.58E-03	2	6.01E-03						
GO:0032648	regulation of interferon-beta production	3	6.55E-03			4	1.80E-04	4	1.29E-04	4	1.17E-04	4	9.17E-05										
GO:0051240	positive regulation of multicellular organismal process	7	8.12E-03	6	3.46E-02	6	4.08E-02	6	2.93E-02	6	3.80E-02	6	1.96E-02										
GO:0006950	response to stress	15	8.54E-03													14	5.12E-03			16	2.07E-03		
GO:0039528	cytoplasmic PRR signal. pathway in resp. to virus	2	1.02E-02			3	8.44E-05	3	5.07E-05	3	4.09E-05	3	4.33E-05										
GO:0007166	cell surface receptor signaling pathway	13	1.07E-02	12	1.85E-02													13	1.27E-03			12	2.15E-02
GO:0042981	regulation of apoptotic process	10	1.26E-02	9	3.02E-02			9	2.29E-02							9	1.85E-02						
GO:0043067	regulation of programmed cell death	10	1.30E-02	9	3.11E-02			9	2.36E-02							9	1.89E-02						
GO:0045351	type I interferon biosynthetic process	2	1.49E-02					2	1.42E-02			2	1.20E-02	2	2.14E-02								
GO:0009266	response to temperature stimulus	4	2.58E-02																				
GO:0009628	response to abiotic stimulus	8	2.68E-02																				
GO:0032727	positive regulation of interferon-alpha production	2	2.87E-02			3	3.68E-04	3	2.01E-04	3	2.26E-04	3	2.15E-04										
GO:0007249	I-kappaB kinase/NF-kappaB cascade	3	4.60E-02					3	3.25E-02	3	3.87E-02					3	3.50E-02						
GO:0071214	cellular response to abiotic stimulus	4	4.60E-02					5	1.93E-03														
GO:0001817	immune system process			14	2.54E-05					6	1.17E-02	6	6.73E-03										
GO:0034097	response to cytokine stimulus			10	2.54E-05									10	1.78E-05	10	4.39E-06	8	7.06E-04				
GO:0010033	response to organic substance			13	1.04E-03											11	1.43E-02	11	1.19E-02				
GO:0070887	cellular response to chemical stimulus			12	1.16E-03									11	1.25E-02	10	1.79E-02						
GO:0042221	response to chemical stimulus			15	2.62E-03																		
GO:0071310	cellular response to organic substance			10	3.90E-03									11	1.43E-03	10	2.41E-03	9	1.19E-02				
GO:2000110	negative regulation of macrophage apoptotic process			2	5.20E-03																		
GO:0034612	response to tumor necrosis factor			4	9.72E-03																		
GO:2000109	regulation of macrophage apoptotic process			2	2.13E-02																		
GO:2000501	regulation of natural killer cell chemotaxis			2	2.13E-02																		
GO:0097190	apoptotic signaling pathway			3	2.32E-02																		
GO:0071347	cellular response to interleukin-1			3	2.41E-02																		
GO:0010759	positive regulation of macrophage chemotaxis			2	2.69E-02																		
GO:0010758	regulation of macrophage chemotaxis			2	4.07E-02																		
GO:0051384	response to glucocorticoid stimulus			4	4.36E-02																		
GO:0071622	regulation of granulocyte chemotaxis			2	4.56E-02																		
GO:0071675	regulation of mononuclear cell migration			2	4.56E-02																		
GO:0031960	response to corticosteroid stimulus			4	4.98E-02																		
GO:0032647	regulation of interferon-alpha production					3	1.53E-03	3	9.20E-04	4	1.43E-05	3	1.07E-03										
GO:0009597	detection of virus					2	6.82E-03	2	4.81E-03	3	1.43E-05	2	5.13E-03										
GO:0034344	regulation of type III interferon production					2	6.82E-03	2	4.81E-03	3	1.43E-05	2	5.13E-03										
GO:0080134	regulation of response to stress					8	6.82E-03																
GO:0045088	regulation of innate immune response					5	1.12E-02									5	8.65E-03						
GO:0002753	cytoplasmic PRR signaling pathway					3	1.31E-02	3	9.96E-03	3	1.17E-02	3	8.45E-03										
GO:0031347	regulation of defense response					6	2.03E-02																
GO:0045089	positive regulation of innate immune response					4	3.52E-02																
GO:0006917	induction of apoptosis							6	1.66E-02														
GO:0042108	positive regulation of cytokine biosynthetic process							3	4.46E-02					4	3.49E-03								
GO:0044419	interspecies interaction between organisms									7	4.65E-03	7	2.60E-03										
GO:0034121	regulation of toll-like receptor signaling pathway									3	7.59E-03					3	6.98E-03					3	1.42E-02
GO:0032480	negative regulation of type I interferon production									3	1.31E-02	3	9.48E-03										
GO:0050691	regulation of defense response to virus by host											3	3.94E-03										
GO:0043901	negative regulation of multi-organism process											3	5.13E-03										
GO:0050689	negative regulation of defense response to virus by host											2	8.45E-03										
GO:0050687	negative regulation of defense response to virus											2	1.67E-02										
GO:0019048	virus-host interaction											3	2.78E-02										
GO:0002682	regulation of immune system process													8	4.39E-02	8	1.70E-02						
GO:0043331	response to dsRNA															3	1.54E-02						
GO:0051716	cellular response to stimulus															16	3.73E-02						
GO:0007259	JAK-STAT cascade																	3	3.34E-02				
GO:0043066	negative regulation of apoptotic process																			8	7.62E-03		
GO:0043069	negative regulation of programmed cell death																			8	7.62E-03		
GO:0060548	negative regulation of cell death																			8	8.61E-03		
GO:0008284	positive regulation of cell proliferation																					7	2.99E-02
GO:0032651	regulation of interleukin-1 beta production																					3	1.92E-02
GO:0032652	regulation of interleukin-1 production																					3	2.22E-02
GO:0032663	regulation of interleukin-2 production																					3	2.99E-02
GO:0034135	regulation of toll-like receptor 2 signaling pathway																					2	1.84E-02
GO:0034136	negative regulation of toll-like receptor 2 signaling pathway																					2	4.62E-03
GO:0045765	regulation of angiogenesis																					4	4.53E-02
GO:0051223	regulation of protein transport																					5	3.67E-02
GO:0070201	regulation of establishment of protein localization																					5	4.81E-02

shade=unique group