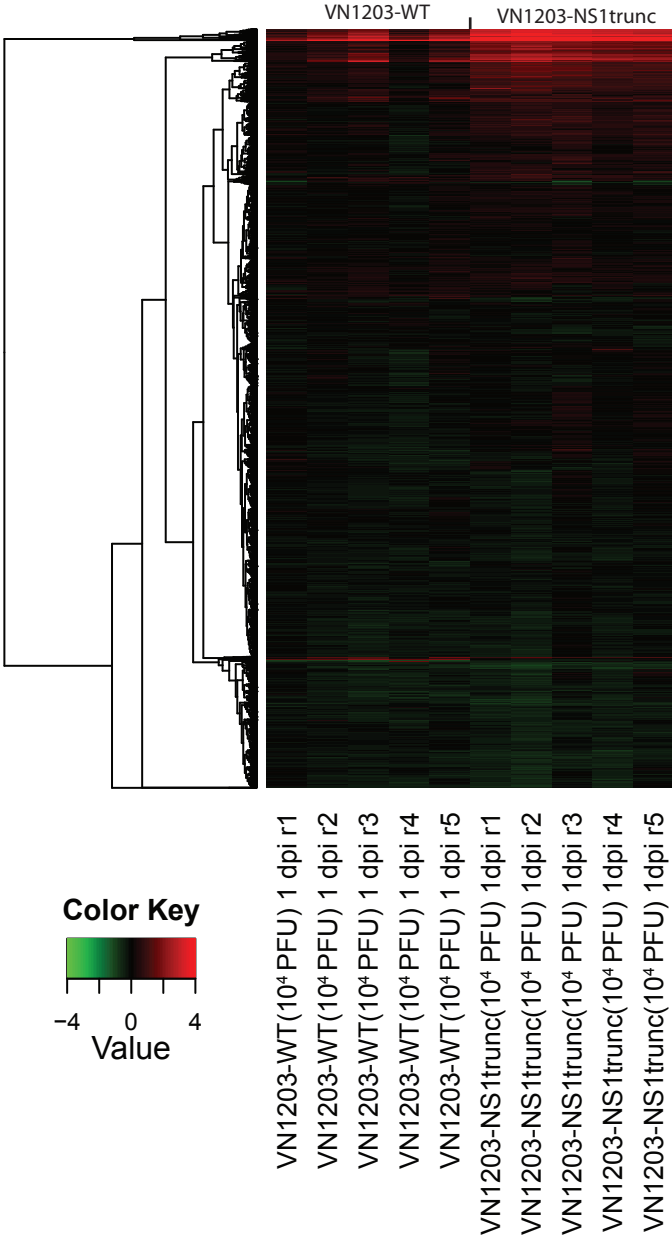


SUPPLEMENTARY FIGURE 3

A.



B.

Functional Enrichment	
Canonical Pathways	-log(p-value)
Role of Pattern Recognition Receptors in Recognition of Bacteria and Viruses	1.28E+01
Interferon Signaling	1.19E+01
Activation of IRF by Cytosolic Pattern Recognition Receptors	1.15E+01
Communication between Innate and Adaptive Immune Cells	1.09E+01
TREM1 Signaling	9.96E+00
Antigen Presentation Pathway	9.58E+00
Crosstalk between Dendritic Cells and Natural Killer Cells	9.23E+00
Dendritic Cell Maturation	8.31E+00
Type I Diabetes Mellitus Signaling	7.58E+00
Pathogenesis of Multiple Sclerosis	7.56E+00
Allograft Rejection Signaling	7.49E+00
Acute Phase Response Signaling	7.40E+00
OX40 Signaling Pathway	6.95E+00
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	6.73E+00
Cytotoxic T Lymphocyte-mediated Apoptosis of Target Cells	6.46E+00
Atherosclerosis Signaling	6.28E+00
Role of RIG1-like Receptors in Antiviral Innate Immunity	6.20E+00
IL-17A Signaling in Fibroblasts	6.08E+00
Hepatic Fibrosis / Hepatic Stellate Cell Activation	5.76E+00
Role of Hypercytokinemia/hyperchemokineemia in the Pathogenesis of Influenza	5.49E+00
Role of PKR in Interferon Induction and Antiviral Response	5.44E+00
Role of IL-17A in Arthritis	5.24E+00
Differential Regulation of Cytokine Production in Macrophages and T Helper Cells by IL-17A and IL-17F	5.20E+00
Role of IL-17F in Allergic Inflammatory Airway Diseases	5.16E+00
NF- κ B Signaling	4.95E+00
Retinoic acid Mediated Apoptosis Signaling	4.91E+00
TNFR2 Signaling	4.67E+00
IL-10 Signaling	4.37E+00
Altered T Cell and B Cell Signaling in Rheumatoid Arthritis	4.34E+00
Role of JAK1, JAK2 and TYK2 in Interferon Signaling	4.30E+00
TWEAK Signaling	4.17E+00
LXR/RXR Activation	4.15E+00
Death Receptor Signaling	4.13E+00
IL-17 Signaling	4.09E+00
Neuroprotective Role of THOP1 in Alzheimer's Disease	4.00E+00
TNFR1 Signaling	3.97E+00
IL-15 Production	3.96E+00
IL-17A Signaling in Gastric Cells	3.96E+00
Role of JAK family kinases in IL-6-type Cytokine Signaling	3.96E+00
Production of Nitric Oxide and Reactive Oxygen Species in Macrophages	3.92E+00
IL-17A Signaling in Airway Cells	3.84E+00
Graft-versus-Host Disease Signaling	3.68E+00
Complement System	3.67E+00
Role of PI3K/AKT Signaling in the Pathogenesis of Influenza	3.65E+00
iNOS Signaling	3.54E+00