

## **List of Abbreviations**

HEV– Hepatitis E virus

PAMP– Pathogen associated molecular pattern

PRR– Pattern recognition receptor

ADAR – Adenosine deaminase RNA I

AP-1 – Activating protein-1

ATF2 – Activating transcription factor 2

CARD – Caspase activation and recruitment domain

CBP – CREB-binding protein

DNA – Deoxyribonucleic acid

RNA–Ribonucleic acid

dsRNA– double stranded ribonucleic acid

nsRNA– negative strand RNA

5'-ppp -5' triphosphate

IFNs – Interferons

IFNAR – IFN- $\alpha$  receptor

IKK – I $\kappa$ B kinase

IL – Interleukin

IRAK – IL-1-associated kinase

IRF – IFN regulatory factor

ISG – IFN-stimulated genes

ISGF3 – ISG factor 3

ISRE – IFN-stimulated response element

JAK – Janus kinases

RIG-I–Retinoic acid inducible gene 1

RLRs– RIG-I like receptors

TLRs–Toll-like receptors

LGP2– Laboratory of genetics and pathology 2

MAVS – Mitochondrial antiviral-signalling protein

MDA5 – Melanoma differentiation associated gene 5

MHC – Major histocompatibility complex

NF- $\kappa$ B – Nuclear factor kappa B

OAS – Oligoadenylate synthase

ORF – Open reading frame  
PKR – Protein kinase R  
STAT – signal transduction and activators of transcription  
TBK1 – TANK-binding kinase 1  
TIR – Toll-IL-1 receptor  
TNF – Tumor necrosis factor  
TRADD – TNF-receptor type 1-associated DEATH domain  
TRAF – TNF-receptor associated factor  
TRIF – TIR-domain-containing adaptor-inducing IFN- $\beta$   
MyD88– Myeloid differentiation primary response gene 88  
TRIM – Tripartite motif  
TYK – Tyrosine kinase  
Poly(I:C) –polyinosinic-polycytidylic acid  
*siRNA*– small interfering RNA  
% – Percentage  
 $\mu\text{g}$  – microgram  
 $\mu\text{l}$  – microliter  
ELISA – Enzyme linked immunosorbent assay  
FACS – Fluorescence activated cell sorting