

## LIST OF ABBREVIATIONS

<b>Ab</b>	:	Antibody
<b>Akt</b>	:	Protein Kinase B
<b>ALT</b>	:	Alanine aminotransferase
<b><math>\alpha</math>-SMA</b>	:	Alfa-smooth muscle actin
<b>ASK</b>	:	Apoptosis signal-regulating kinase
<b>AST</b>	:	Aspartate aminotransferase
<b>AUC</b>	:	Area under the curve
<b>Bim</b>	:	Bcl2-interacting mediator
<b><i>Cl3orf25</i></b>	:	Chromosome 13 open reading frame 25
<b>CDK</b>	:	Cyclin-dependent kinase 2
<b>CHC</b>	:	Chronic hepatitis C
<b>CLDN1</b>	:	Claudin
<b><i>c-Myc</i></b>	:	Cellular avian myelocytoma virus gene
<b>CTGF</b>	:	Connective tissue growth factor
<b>CTL</b>	:	Cytotoxic T lymphocytes
<b>cvhRNAs</b>	:	Competitive viral and host RNAs
<b>DAAs</b>	:	Direct-acting antivirals
<b>DAB</b>	:	3, 3' Diamonobenzidinetetrahydrocholride
<b>DC</b>	:	Dendritic cell
<b>DNA</b>	:	Deoxyribonucleic acid
<b>E</b>	:	Envelope
<b>4E-BP1</b>	:	Eukaryotic initiation factor 4E binding protein 1
<b>ECM</b>	:	Extracellular matrix
<b>ELISA</b>	:	Enzyme linked immunosorbant assay
<b>ER</b>	:	Endoplasmic reticulum
<b>GGT</b>	:	Gamma glutamyl transpeptidase
<b>GI</b>	:	Gastrointestinal
<b>Hb</b>	:	Hemoglobin
<b>HBV</b>	:	Hepatitis B virus
<b>HCC</b>	:	Hepatocellular carcinoma
<b>HCV</b>	:	Hepatitis C virus
<b>HIF-1</b>	:	Hypoxia-inducible transcription factor-1
<b>HIV</b>	:	Human immunodeficiency virus
<b>HLA</b>	:	Human leukocyte antigen
<b>HMGCoA</b>	:	3-hydroxy-3-methylglutaryl-coenzyme A
<b>HRP</b>	:	Horseradish Peroxidase
<b>HSC</b>	:	Hepatic stellate cell
<b>HVR</b>	:	Hypervariable regions
<b>IFN</b>	:	Interferon
<b>Ikk</b>	:	Inhibitor of nuclear factor $\kappa$ B kinase

<b>IL</b>	:	Interleukin
<b>IKZF4</b>	:	Ikaros Family Zinc Finger 4
<b>IRES</b>	:	Internal ribosome entry site
<b>IRS-1</b>	:	Insulin receptor substrate-1
<b>MAPK</b>	:	Mitogen-activated protein kinase
<b>MIP</b>	:	Macrophage inflammatory protein
<b>miR</b>	:	MicroRNA
<b>MIR17HG</b>	:	MicroRNA-17 host gene
<b>MMP</b>	:	Matrix metalloproteinase
<b>mRNA</b>	:	Messenger ribonucleic acid
<b>mTOR</b>	:	Mammalian target of rapamycin
<b>MTP</b>	:	Microsomal triglyceride transfer protein
<b>MMAC1</b>	:	Mutated in multiple advanced cancers 1
<b>NAFLD</b>	:	Non-alcoholic fatty liver disease
<b>NFκB</b>	:	Nuclear factor kappa B
<b>NK</b>	:	Natural killer
<b>NS</b>	:	Non-structural
<b>nt</b>	:	Nucleotides
<b>p21</b>	:	Cyclin-dependent kinase inhibitor CDKN1A
<b>PI3K</b>	:	Phosphoinositol 3-kinase
<b>PIP2</b>	:	Phosphatidylinositol-3,4-bisphosphate
<b>PIP3</b>	:	Phosphatidylinositol-3,4,5-triphosphate
<b>PPARγ</b>	:	Peroxisome proliferator-activated receptor-γ
<b>pRB</b>	:	Retinoblastoma protein
<b>PT</b>	:	Prothrombin time
<b>PTEN</b>	:	Phosphatase and tensin homolog
<b>pre-miR</b>	:	Precursor-miR
<b>pri-miR</b>	:	Primary-miR
<b>RANTES</b>	:	Regulated on activation normal T cell expressed and secreted
<b>RASFs</b>	:	Rheumatoid arthritis synovial fibroblasts
<b>RdRp</b>	:	RNA-dependent RNA polymerase
<b>RISC</b>	:	RNA-induced silencing complex
<b>RNA</b>	:	Ribonucleic acid

<b>RNase</b>	:	Ribonuclease
<b>ROS</b>	:	Reactive oxygen species
<b>RT-PCR</b>	:	Real time polymerase chain reaction
<b>SD</b>	:	Standard Deviation
<b>SIRP<math>\alpha</math></b>	:	Signal-regulatory protein $\alpha$
<b>SOCS</b>	:	Suppressor of cytokine signaling
<b>SREBP-1</b>	:	Sterol regulatory element binding protein-1
<b>STAT</b>	:	Signal transducer and activator of transcription
<b>TEP1</b>	:	TGF- $\beta$ -regulated and epithelial cell enriched phosphatase 1
<b>TGF-<math>\beta</math></b>	:	Transforming growth factor beta
<b>TGF-<math>\beta</math>RII</b>	:	Transforming growth factor beta receptor II
<b>Th</b>	:	T helper
<b>TLR</b>	:	Toll-like receptor
<b>TMB</b>	:	Tetramethylbenzidine
<b>TNF</b>	:	Tumor necrosis factor
<b>TNFAIP3</b>	:	Tumor necrosis factor- $\alpha$ -induced protein 3
<b>TRBP</b>	:	Trans-activator RNA binding protein
<b>Treg</b>	:	T regulatory cells
<b>TSP-1</b>	:	Thrombospondin-1
<b>UTR</b>	:	Untranslated region

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