

Serum miR-29a and miR- 361-5p as Biomarkers among Patients with Pulmonary Tuberculosis

Thesis

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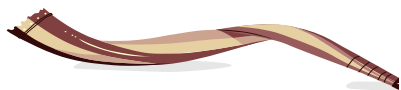
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List of Abbreviations

A	Ago2	Argonaute 2
	AUC	Area Under the Curve
	ATP	Adenosine triphosphate
	AAV	Adeno Associated Viruses
B	Bach 1	BTB and CNC homology 1
	BCG	Bacillus Calmette–Guérin
	Bcl-2	B-Cell Lymphoma 2
	bp	Base pair
C	CAE	Carcinoembryonic antigen
	CagA	Cytotoxin-Associated Gene A
	CD	Cluster of differentiation
	CDC	Centers for Disease Control and Prevention
	Cdc 42	Cell division control 42
	cDNA	Complementary Dioxynucleic Acid
	C. elegans	Caenorhabditis elegans
	CFP-10	Cultures Filtered Protein-10
	CI	Confidence Interval
	CLRs	C-type Lectin Receptors
	c-Myc	<i>c-myc</i> proto-oncogene
	C_q	Cycle quantification
	CrPV	Cricket paralysis virus
	C_t	Cycle threshold
	CTL	Cytotoxic T-Lymphocyte
D	DCs	Dendritic Cells
	DGCR8	DiGeorge syndrome critical region 8
	DNA	Dioxynucleic Acid

	dsRNA	Double stranded RNA
E	E-boxes	Enhancer boxes
	EBV	Epstein-Barr virus
	EIF2C	Eukaryotes initiation factor 2C
	E2F1	Transcription factor 1
	ELISA	Enzyme-Linked Immunosorbent Assay
	ELISpot	Enzyme Linked ImmunoSpot
	ESAT-6	Early Secretory Antigenic Target-6
F	FMRP	Fragile X mental retardation protein
	Foxp3	Forkhead box P3
G	GGT	γ - Glutamyl -Transpeptidase
	GDP	Guanosine-diphosphate
	GTP	Guanosine-triphosphate
	GTP binding RAN protein	GTP binding RAs-related nuclear protein
H	HCV	Hepatitis C virus
	HCMV	Human Cytomegalo Virus
	HDL	High- Density Lipoprotein
	HDT	Host- Directed Therapy
	HIV	Human Immunodeficiency Virus
	HO-1	Heme Oxygenase-1
	<i>H. pylori</i>	<i>Helicobacter pylori</i>
	HS	Highly significant
	HSV-1	Herpes Simplex Virus-1
I	IFN	Interferon
	IFN-α	Interferon-Alpha
	IFN γ	Interferon Gamma

	IGRAs	Interferon-Gamma Release Assays
	IL	Interleukin
	IRAK1	Interleukin-1 Receptor-Associated Kinase 1
	IRES	Internal ribosome entry site
	IRFs	Interferon Regulatory Factors
J	Jak -STAT	Janus kinase/Signal Transducers and Activators of Transcription
K	KSHV	Kaposi's Sarcoma-Associated Herpes Virus
L	L1	Larval
	LATS2	Large Tumor Suppressor homolog 2
	LDL	Low- Density Lipoprotein
	Let	Lethal
	Lin	Lineage defective
	<i>L. monocytogene</i>	<i>Listeria monocytogenes</i>
	LNA	Locked Nucleic Acid
	LPS	Lipopolysaccharides
	LTBI	Latent TB Infections
M	MAPKs	Mitogen-Activated Protein Kinases
	<i>M. bovis</i>	<i>Mycobacterium bovis</i>
	Mcl-1	Myeloid Cell Leukemia-1
	MDR-TB	Multidrug-Resistant Tuberculosis
	m7G cap	7-methylguanosine cap
	MiRNAs	MicroRNAs
	mL	milliliters
	moDCs	Human monocyte-derived DCs

	MOV10	Moloney Leukemia Virus 10
	mRNA	Messenger RNA
	MRSA	Methicillin-Resistant <i>Staphylococcus aureus</i>
	MTB	<i>Mycobacterium Tuberculosis</i>
	<i>M. Tuberculosis</i>	<i>Mycobacterium Tuberculosis</i>
	μL	microlitre
	μm	micrometre
	MVBs	Multi vesicular bodies
N	NAATs	Nucleic Acid Amplification Tests
	NF-κβ	Nuclear factor kappa-light-chain enhancer of activated B cells
	NGS	Next generation sequencing
	NK	Natural Killer
	NLRs	Nod-Like Receptors
	nm	nanometre
	NPM1	Nucleophosmin 1
	NS	Non significant
	nSMase2	Neutral sphingomyelinase 2
	Nt	Nucleotides
	NTM	Non-Tuberculous <i>Mycobacteria</i>
O	OMe	2'-O-methyl-group
P	P	Probability
	P53	Phosphoprotein 53
	PAB	Poly A-binding protein
	PACT	Protein activator of the interferon induced protein kinase
	PCAF	P300/CBP Associated Factor
	PAMPs	Pathogen-Associated Molecular Patterns

P	PAZ	Piwi/Argonaute /Zwilli
	PBMCs	Peripheral Blood Mononuclear cells
	P-bodies	Processing bodies
	PCR	Polymerase Chain Reaction
	PDGF	Platelet-Derived Growth Factor
	PIWI	P-element-induced wimpy testes
	PKB	Protein kinase B
	Pol	Polymerase
	Poly (A) tail	Polyadenylation tail
	PPD	Purified Proteins Derivative
	Pre-miRNA	Precursor miRNA
	Pri-miRNA	Primary miRNA
	PRRs	Pattern Recognition Receptors
Q	qRT-PCR	Quantitative real-time PCR
R	Ras	Rat sarcoma
	RD-1	Region of Difference -1
	RECK	Reversion-inducing-cysteine-rich protein with kazal motifs
	RIF	Rifampin
	RIG	Retinoic acid-Inducible Gene
	RISC	RNA-Induced Silencing Complex
	RLRs	(RIG)-I-like receptors
	RNA	Ribo Nucleic Acid
	RNAa	small RNA-induced gene activation
	RNAi	Interference RNA
	rRNA	Ribosomal RNA
	ROC	Receiver Operating Characteristic
	RT	Reverse Transcription
	RT-PCR	Reverse Transcription- PCR

S	S	Significant
	SD	Standard Deviation
	SHIP1	Inositol phosphatase SH2- containing inositol 5-phosphatase
	siRNA	Small interfering RNA
	SMN	Survival of motor neurons
	SnRNA	Small nuclear RNA
	SNORD	Small Nucleolar RNA C/D Box
	SnoRNA	Small nucleolar RNA
	SP1	Specificity Protein 1
	SPSS	Statistical Program for Social Science
	SS	Single stranded
T	TAB2	TGF- β - Activated kinase 1-Binding protein 2
	TB	Tuberculosis
	TGF-β	Transforming growth factor- β
	TH1	T-helper type 1
	TLRs	Toll-Like Receptors
	TLR2	Toll-like receptor 2
	TNF	Tumor necrosis factor
	TNF-α	Tumor necrosis factor- α
	TNRC6B	Trinucleotide Repeat-Containing Gene 6B Protein
	TNFRSF-4	Tumor Necrosis Factor Receptor Super Family, member 4
	TRAF6	TNF receptor - associated factor 6
	TRBP	Trans-activating response RNA binding protein
	tRNA	Transfer RNA
	TST	Tuberculin skin test

T	Tudor SN	Tudor staphylococcal nuclease-domain-containing protein
U	UTR	Untranslated region
V	Vac A	Vacuating Cytotoxin
W	WHO	World Health Organization
X	XDR-TB	Extensively Drug-Resistant TB
	XPO5	Exportin 5
	Xrn1p	Exoribonuclease

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