

ABBREVIATIONS

2D-LPE	2D-liquid phase electrophoresis
3TC	Lamivudine
AFB	Acid-fast bacilli
ART	Anti-retroviral treatment
ATP	Adenosine triphosphate
ATT	Anti-tuberculosis treatment
BCG	Bacillus Calmette Guerin
CAS	Central-Asian
CFP	Culture filtrate protein
CMV	Cardamom mosaic virus
CS	Chest symptomatic
CTL	Cytotoxic T-lymphocyte
DC	Dendritic cell
d4T	Stavudine
ddl	Didanosine
DOTS	Directly observed treatment short-course
DR	Drug-resistant
DRM	Drug resistance mutations
DSMB	Data safety and monitoring board
DST	Drug susceptibility testing
EAI	East-African-Indian
EDP	Electronic data processing
EFV	Efavirenz
ELISA	Enzyme linked immunosorbent assay
EMB	Ethambutol
EMSA	Electro mobility shift assay
ESAT-6	Early secreted antigenic target-6
ETH	Ethionamide
FDC	Fixed dose combination
FP	Free probe
FTIR	Fourier transform infrared
GM-CSF	Granulocyte macrophage colony stimulating factor
HHC	Household contact
HLA	Human leucocyte antigen
HO-1	Heme Oxygenase-1
HPLC	High performance liquid chromatography
IGRA	Interferon gamma release assay
INH	Isoniazid
KGDC	KG1 derived dendritic cells
LJ	Lowenstein-Jensen
LRP	Luciferase reporter phage
LTBI	Latent TB infection
MAPK	Mitogen activated protein kinase
mDc	Myeloid dendritic cell

MDR-TB	Multi drug-resistant tuberculosis
MHC	Major histocompatibility complex
MIC	Minimum inhibitory concentration
MLR	Multiple linear regression
MMP	Matrix metalloproteinase
MSM	Men who have sex with men
<i>M. tuberculosis</i>	<i>Mycobacterium tuberculosis</i>
NACO	National AIDS control organization
NHS	Normal healthy subject
NK	Natural killer
NRL	National Reference Laboratory
NVP	Nevirapine
ORF	Open reading frame
pDC	Plasmacytoid dendritic cell
PBMC	Peripheral blood mononuclear cell
PCA	Principal component analysis
PLHA	People living with HIV/AIDS
PLS	Partial least square
PMA	Phorbol myristate acetate
PMN	Polymorphonuclear leucocyte
PI	Protease inhibitor
PTB	Pulmonary tuberculosis
RD1	Region of deletion-1
QFT-G	Quantiferon TB gold
RLU	Relative light units
RMP	Rifampicin
RNTCP	Revised National Tuberculosis Control Programme
RT	Reverse transcriptase
RT-PCR	Real-time polymerase chain reaction
SCC	Short course chemotherapy
SDS-PAGE	Sodium dodecyl sulphate polyacrylamide gel electrophoresis
SEM	Standard error of mean
STPK	Serine/threonine protein kinase
TAM	Thymidine analog mutation
TB	Tuberculosis
TDDRP	Target database for DR pathogen
TIMP	Tissue inhibitor of metalloproteinases
TLR	Toll-like receptor
TRC	Tuberculosis Research Centre
VDR	Vitamin D receptor
WT	Wild type
XDR-TB	Extensively drug-resistant TB
ZN	Ziehl Neelsen