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ABBREVATIONS AND SYMBOLS

AI	Artificial insemination
bTB	Bovine Tuberculosis
CDC	Center for Disease Control
CFSPH	Center for Food Security and Public Health
CFU	Colony-forming unit
CI	Confidence Interval
CIA	Central Intelligence Agency
CIDT	Comparative Intradermal Test
CIDT	Comparative intradermal test
cm	Centimeter
CMU	Chiang Mai University
DFPOT	Dairy Farming Promotion Organization of Thailand
DLD	Department of Livestock Development
DNA	Deoxyribonucleic Acid
E	East
ELISA	Enzyme-linked immunosorbent assay
FMD	Food and mouth disease
G+C	Guanine plus Cytosine
GB	Great Britain strain
GI	Gastro-intestinal disease
HF	Holstein Friesian
HIV	Human Immuneodifferency Virus
HIV/AIDS	Human Immunodeficiency Virus/ Acquired Immunodeficiency Syndrome
IFN-γ	Interferon- gamma
IU	International Unit
IV	Intravenous
M.bovis	Mycobacterium bovis

MDR-TB	Multidrug –resistant tuberculosis
mm	milimeter
MTBC	Mycobacterium Tuberculosis Complex
mth	month
N	North
^{o}	Degree
^{o}C	Degree celsius
OIE	World Animals Health Organization
PCR	Polymerase Chain Reaction
PPD	Purified Protein Derivative
PVS	Performance, Vision and Strategy
Repro	Reproductive disease
Resp	Respiratory disease
RFLP	Restriction fragment length polymorphism
SIDT	Single Intradermal Test
TB	Tuberculosis
T-cell	Thymus cell (T-lymphocyte)
TU	Tuberculin Unit
UK	United Kingdom
US	United State
USA	United State of America
USDA-PPD	United States Department of Agriculture-Purified Protein Derivative
WHO	World Health Organization
XDR-TB	Extensively drug-resistant tuberculosis
yr	year
′	Minute
≥	Greater than or equal to
<	Less than
>	Greater than
≤	Less than or equal to