

SUPPLEMENTARY DATA

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Supplemental table 1A: Search strategy used to retrieve published literature from PubMed

Search Item	Search term	Connecting operator
Tuberculosis	(Tuberculosis [MeSH] OR Mycobacterium tuberculosis [MeSH] OR (Tuberculosis OR TB OR Mycobacterium tuberculosis OR MTB OR "M. Tuberculosis"))	AND
Diagnosis	(Diagnosis [MeSH] OR Diagnosis [subheading] OR Prognosis [MeSH] OR (Diagnosis OR diagnostic OR detect* OR predict* OR prognosis OR prognostic OR screen* OR distinguish* OR differentiat* OR discriminat*))	AND
Biomarkers	miRNA* OR microRNA* OR miR OR "small RNA"	AND
Performance	(Area under Curve [MeSH] OR Sensitivity and Specificity [MeSH] OR (Area under curve OR area under curves OR AUC OR receiver operating characteristic OR ROC OR Accuracy OR Performance OR sensitivity OR specificity))	AND
Time Period	(2000:2020[pdat])	

Supplemental table 1B: Search strategy used to retrieve published literature from Ovid

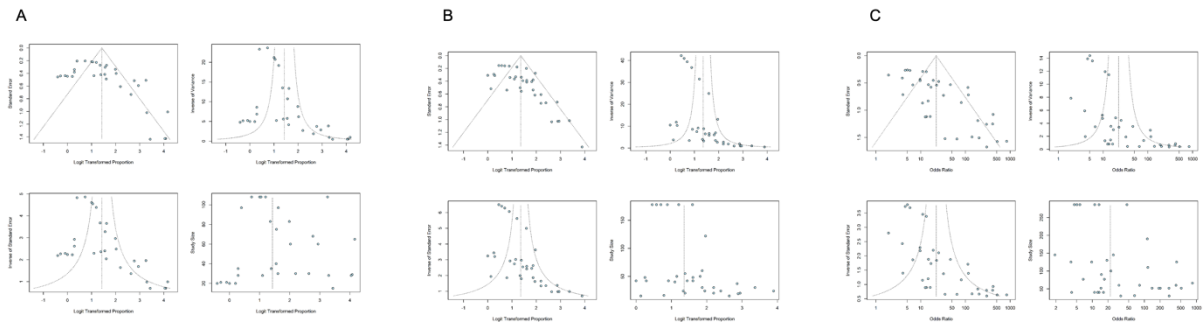
Search Item	Search term	Connecting operator
Tuberculosis	Tuberculosis OR TB OR Mycobacterium tuberculosis OR MTB OR "M. Tuberculosis"	AND
Diagnosis	Diagnosis OR diagnostic OR detect* OR predict* OR prognosis OR prognostic OR screen* OR distinguish* OR differentiat* OR discriminat*	AND
Biomarkers	miRNA* OR microRNA* OR miR OR "small RNA"	AND
Performance	Area under curve OR area under curves OR AUC OR receiver operating characteristic OR ROC OR Accuracy OR Performance OR sensitivity OR specificity	AND
Time Period	2000:2020	

Supplemental table 1C: Search strategy used to retrieve published literature from Cochrane

Search Item	Search term
#1	MeSH descriptor: [Tuberculosis] explode all trees
#2	Tuberculosis OR Mycobacterium tuberculosis
#3	MeSH descriptor: [MicroRNAs] explode all trees
#4	MicroRNA or miRNA or Micro RNA or stRNA
#5	ROC Curve or diagnosis or diagnostic or specificity or sensitivity
#6	#1 OR #2
#7	#3 OR #4
#8	#5 AND #6 AND #7

STARD guidelines





Supplemental Figure 1: Funnel plot asymmetry test to assess publication bias: Funnel plot is plotted for **(A)** Sensitivity **(B)** Specificity **(C)** Diagnostic Odds Ratio (DOR) of the 21 studies to show asymmetry of logit transformed proportion against standard error, inverse of variance, inverse of standard error and study size.