

Supplementary Table 1: Median levels of analytes detected in serum samples from individuals with pulmonary TB disease (n=214) or no-PTB disease (n=487), and accuracies in the diagnosis of TB disease

Host marker	No-PTB (IQR)	TB (IQR)	P-value	AUC	Cut-off value	Sensitivity (%)	Specificity (%)
IL-1ra	8 (0-40)	35 (0-77)	<0.0001	0.63 [0.58-0.68]	>33.9	52.2 [45.1-59.2]	71.9 [67.6-75.9]
TGF-α	3 (1-6)	7 (3-13)	<0.0001	0.73 [69.1-77.4]	>5.6	62.8 [55.8-69.4]	76.0 [72.0-79.8]
IP-10	368 (209-652)	1712 (808-3558)	<0.00001	0.82 [0.79-0.86]	>651.7	81.2 [75.2-86.3]	75.0 [71.0-78.8]
TNF-α	7 (3-12)	14 (8-27)	<0.0001	0.69 [0.65-0.74]	>9.5	67.2 [60.3-73.5]	65.0 [60.6-69.3]
IFN-α2	0 (0-6)	7 (0-19)	<0.0001	0.67 [0.62-0.71]	>2.9	59.4 [52.4-66.2]	71.3 [67.0-75.3]
IFN-γ	1 (0-3)	9 (3-21)	<0.0001	0.80 [0.76-0.84]	>2.8	78.3 [72.0-83.7]	74.2 [70.0-78.0]
VEGF	158 (19-286)	341 (144-624)	<0.0001	0.70 [0.65-74]	>269.8	60.4 [53.4-67.1]	72.5 [68.3-76.5]
MMP-2	175792 (28693-474927)	92881 (22348-312697)	0.091	0.54 [0.49-0.59]	<254965	64.3 [57.3-70.8]	44.6 [40.1-49.2]
MMP-9	401540 (155072-756297)	651549 (43831-1299700)	0.0004	0.59 [0.53-0.64]	> 525174	0.56 [0.49-0.63]	0.62 [0.58-0.66]
ApoA-1	2593900 (2101500-3847700)	1999800 (1493900-2604300)	<0.0001	0.69 [0.65-0.73]	< 2.17e+006	0.57 [0.50-0.64]	0.72 [0.68-0.76]
Apo C-III	261321 (178708-418395)	180967 (115790-297779)	<0.0001	0.65 [0.61-0.70]	< 265480	0.70 [0.63 -0.76]	0.50 [0.45-0.55]
Transthyretin	411528 (261059-591773)	184107 (107526-291488)	<0.0001	0.78 [0.74-0.82]	< 280585	0.73 [0.66-0.79]	0.73 [0.68-0.76]
CFH	663345 (515681-929872)	760622 (599474-1008200)	0.0013	0.58 [0.53-0.62]	> 683022	0.61 [0.54 -0.68]	0.53 [0.49-0.58]
A2M	1770000 (712956-3273400)	1380700 (501530-3284700)	0.141	0.54 [0.49-0.58]	< 1.26e+006	0.48 [0.41-0.55]	0.61 [0.57-0.66]
Haptoglobin	955718 (287186-26796000)	2774400 (443581-60000000)	0.0001	0.62 [0.57-0.66]	> 6.17e+006	0.47 [0.40-0.54]	0.71 [0.67-0.75]

CRP	1731 (321-9686)	59195 (14047-136520)	<0.0001	0.84 [0.81-0.87]	> 7251	0.82 [0.76-0.87]	0.73 [0.68-0.76]
SAP	46609 (23028-81115)	63664 (20776-129181)	0.0011	0.58 [0.53-0.63]	> 63321	0.50 [0.43-0.57]	0.67 [0.63-0.71]
PCT	4259 (2474-6776)	6807 (4399-10000)	<0.0001	0.68 [0.63-0.72]	> 5245	0.70 [0.63-0.76]	0.61 [0.56-0.65]
Ferritin	33894 (13921-83571)	158610 (61712-365165)	<0.0001	0.78 [0.75-0.82]	> 69684	0.71 [0.64-0.77]	0.70 [0.66-0.74]
TPA	1638 (931-2604)	2977 (1949-4317)	<0.0001	0.72 [0.68-0.76]	> 2163	0.70 [0.63-0.76]	0.66 [0.61-0.70]
Fibrinogen	2466 (1804-4182)	3987 (2991-6555)	0<0.0001	0.73 [0.69-0.77]	> 2854	0.80 [0.74-0.85]	0.57 [0.53-0.62]
SAA	771 (279-3985)	6778 (4265-9689)	<0.0001	0.83 [0.80-0.86]	> 3113	0.86 [0.80-0.90]	0.71 [0.67-0.75]

Abbreviations: CFH, complement factor H; A2M, alpha-2-macroglobulin; CRP, C-reactive protein; SAP, serum amyloid P; SAA, serum amyloid A; PCT, procalcitonin; TPA, tissue plasminogen activator; AUC, area under the ROC curve; ROC, receiver operator characteristics. Both HIV-infected and -uninfected individuals were included in the analysis. The values shown for IFN- α 2, IFN- γ , IL-1ra, IP-10, TGF- α , TNF- α , VEGF, ferritin, PCT and TPA are in pg/ml. All other analyte concentrations are in ng/ml. The values in brackets under AUC, sensitivity and specificity are the 95% Confidence Intervals.