

HIGHLIGHTS

- We evaluated the accuracy of host markers elicited after overnight stimulation of whole blood with ESAT-6/CFP-10, Rv0081, Rv1284 and Rv2034, for the diagnosis of TB disease in presumed TB patients
- Our study identified a six-analyte biosignature that allowed promise in the diagnosis of active TB
- The identified host markers could play a role as adjunctive markers in improving the sensitivity of immunodiagnostic assays for TB disease
- The most useful analytes were detected in unstimulated culture supernatants, indicating there may be no added accuracy obtained through stimulation with *Mtb* antigens