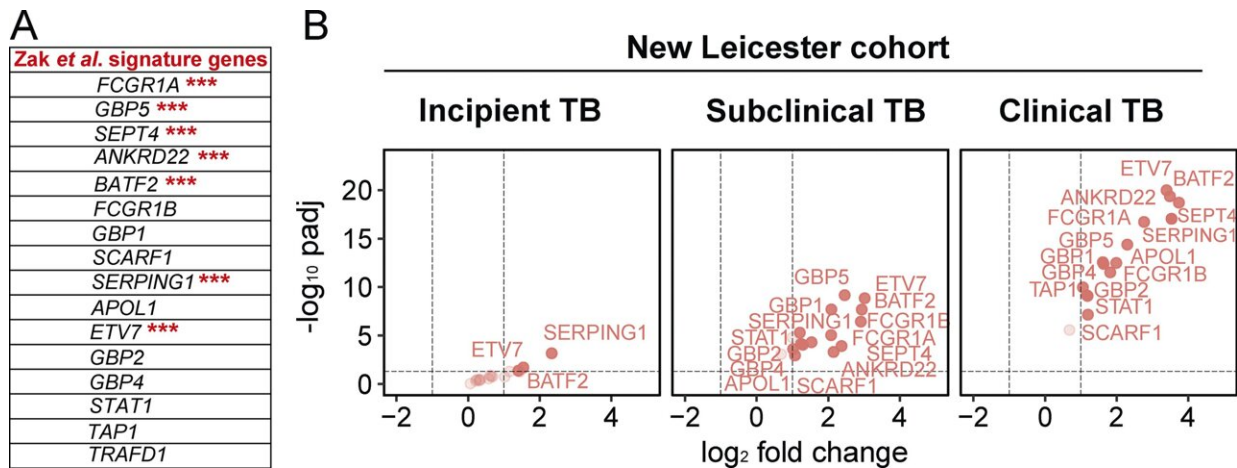


Clues to tuberculosis progression found in gene expression

September 8 2021



Genes from a reduced published signature of TB risk are increasingly differentially expressed in incipient, subclinical, and clinical TB patients. (A) List of published TB 16-gene risk signature from Zak et al. (2016) where *** indicates the presence of a 30-gene signature from Leicester incipient, subclinical TB, and clinical TB from Table 1. (B) Volcano plots showing differential expression of the Zak 16 gene signature in blood of Leicester clinical symptoms groups compared with healthy controls (left to right: incipient TB, subclinical TB, and clinical TB; x axis represents log₂ fold change of patients as compared with healthy controls; y axis represents the $-\log_{10}$ of adjusted P value (padj), Benjamini–Hochberg; genes with $|\log_2 \text{fold change}| > 1$ and adjusted P value

Citation: Clues to tuberculosis progression found in gene expression (2021, September 8) retrieved 27 April 2024 from

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