UC San Diego

JACOBS SCHOOL OF ENGINEERING
Computer Science and Engineering

UC San Diego
Boolean Lab

Boolean Analysis Unveils Universal Rules in the Microbiome Data

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fmcad.19

Microbiome

- Consists of microorganisms such as bacteria, yeast, and viruses

- Found in the human body, animals, plants, and the environment

Microbial Cells
~100 Trillion
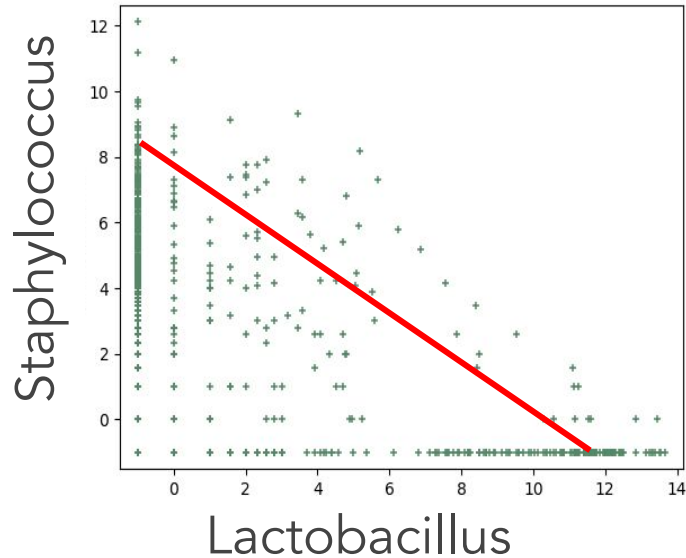(~70-90%)

Human Cells
~30 Trillion

Correlation vs Boolean Implication Analysis

Correlation: -0.034066
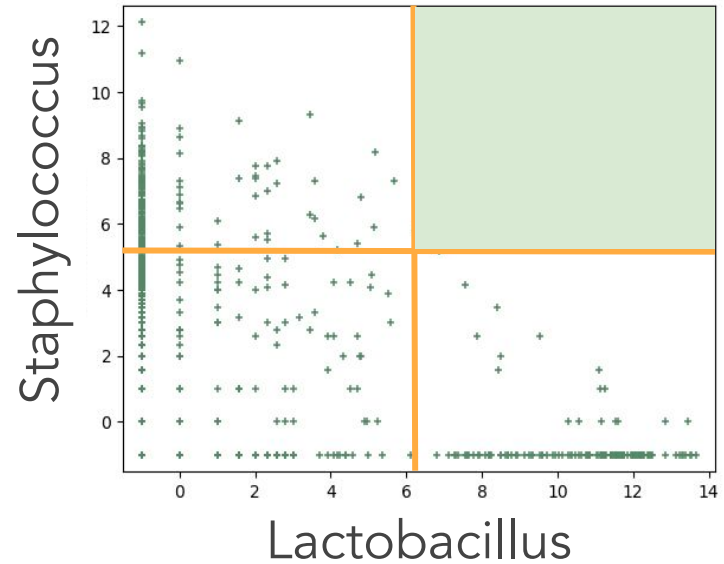
Lactobacillus high →
Staphylococcus low

Thank You!

Poster – Boolean Analysis Unveils Universal Rules in the Microbiome Data