

SimplicityBio Ltd. in a Nutshell

Established

2015

Location

Switzerland

Multidisciplinary Team

Bioinformaticians, biologists
and software developers

BOSS machine learning software turns diverse data streams into tailored models that reveal new pathways, drug targets and biomarkers

Any data type

Translational

Reduces
overfitting

Case Study - PD Early Diagnostic

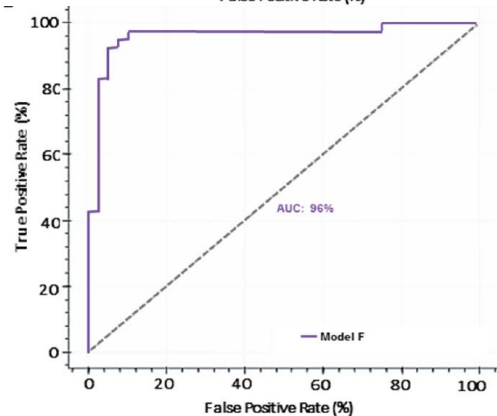
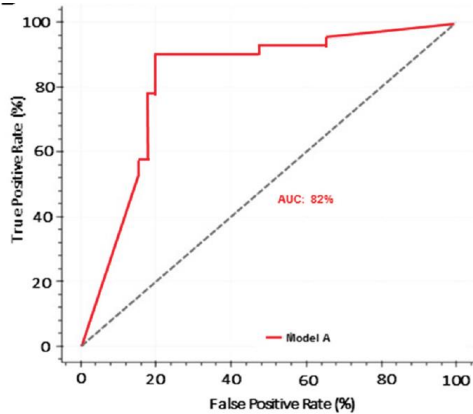


Discovery

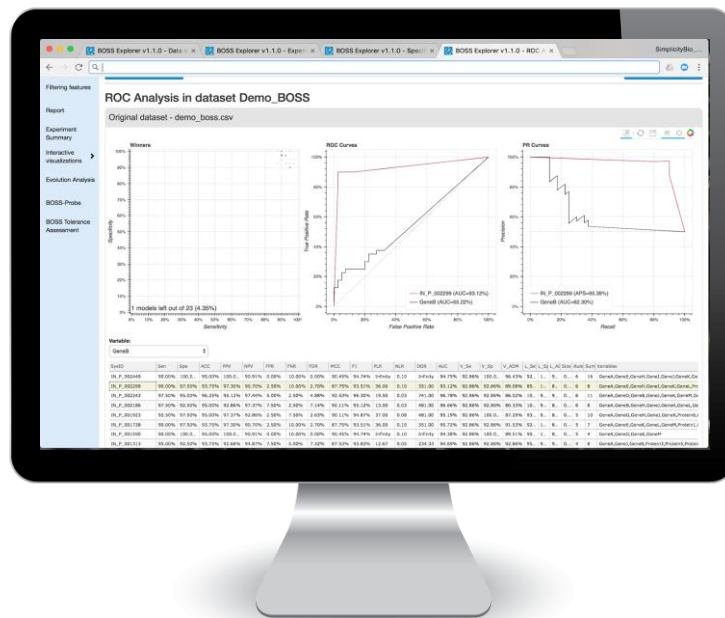
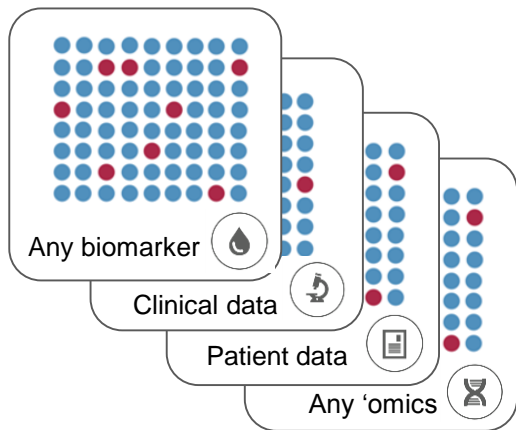
- 5 miRNA panel AUC 82%
- 3 miRNA panel + α -synuclein AUC 96%

Publication

- miRNA-based signatures in cerebrospinal fluid as potential diagnostic tools for early stage PD
doi: 10.18632/oncotarget.24736



BOSS - Biomarker Optimization Software System



Human-interpretable
Robust
Biomarker models

Your data - Input

BOSS

Models - Output

Patent pending - WO2017199067

BOSS Provides Value Across Phases



Scenarios

Unbiased approach

Bridging biomarkers

Drug repositioning & patient stratification

Technology switch (e.g. NGS to PCR)

Results

Hit list

Top biomarker models and performance metrics

BOSS is Agnostic & Expanding Worldwide



Oncology
Cardiovascular
Septic Shock
Ageing, Liver
Infectious
CNS

