

Discovering Circulating MicroRNA Biomarkers Using A Highly Controlled qPCR Workflow



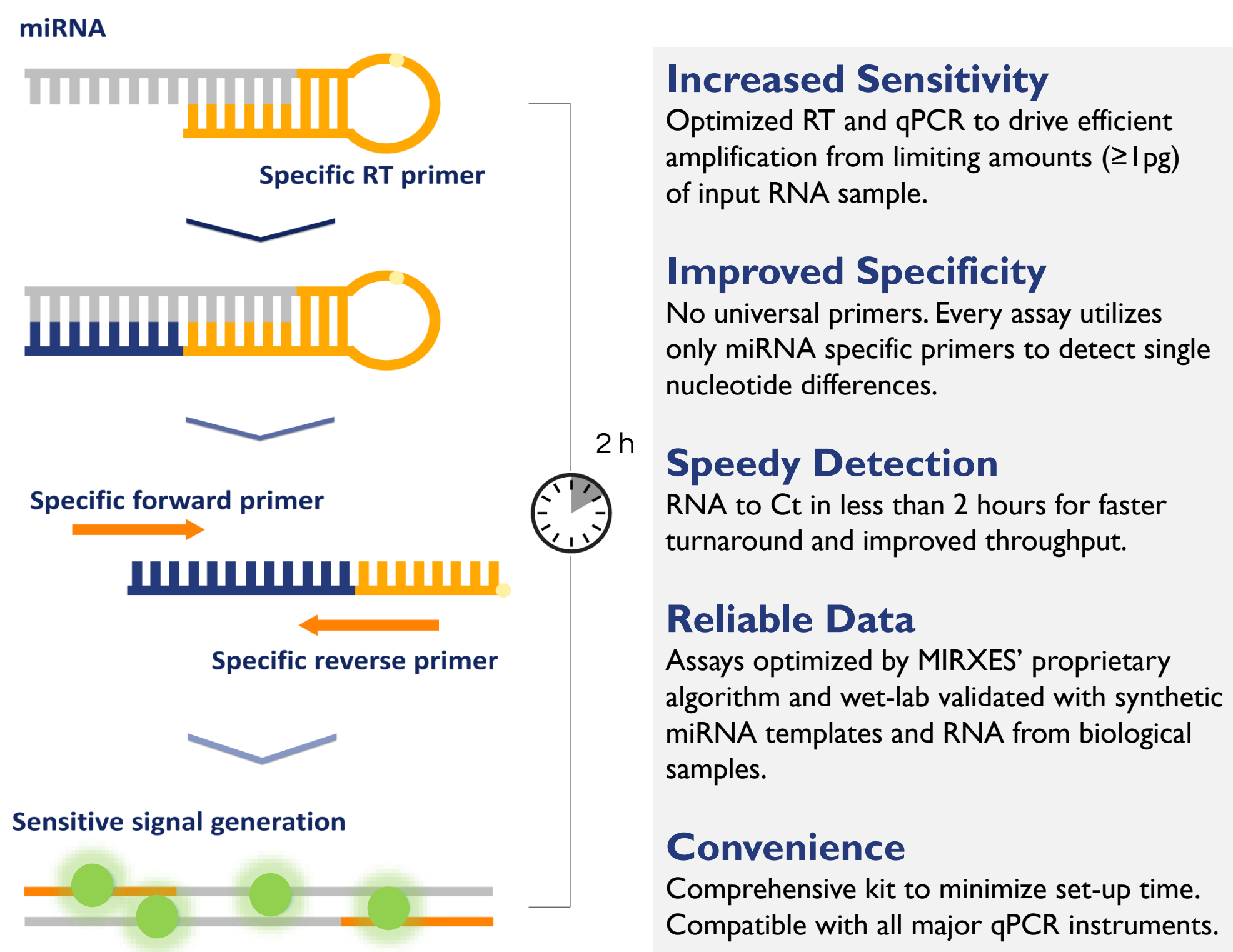
Lihan ZHOU¹, Ruiyang ZOU¹, Heng-Phon TOO^{1,2,3}
 Contact: +65 9796 8634 Email: lihan_zhou@mirxes.com

1, MiRXES, 10 Biopolis Road, #03-01 Chromos, Singapore, 138670.
 2, Bioprocessing technology Institute, A*STAR, 20 Biopolis Way, #06-01, Singapore 138668.
 3, National University of Singapore, 21 Lower Kent Ridge Rd, Singapore 119077

A Meridian Life Science® Company

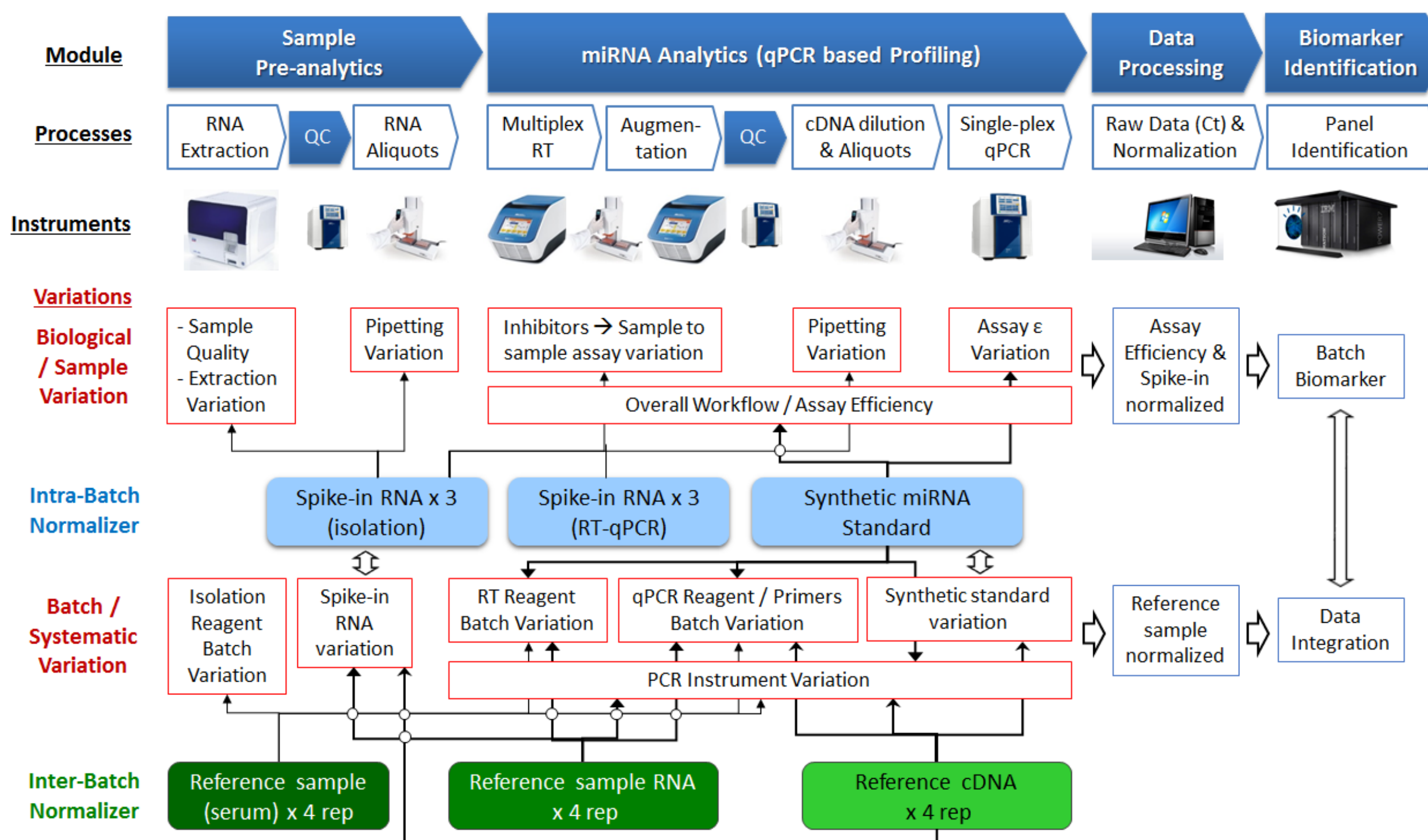
Novel MicroRNA qPCR Assay

Unique Design of 3 miRNA Specific Primers Enables Sensitivity and Specificity



Multi-layered Control Measures Ensure Reproducibility

Monitor and Normalize Technical and Biological Variations in Pre-analytical and Analytical Steps

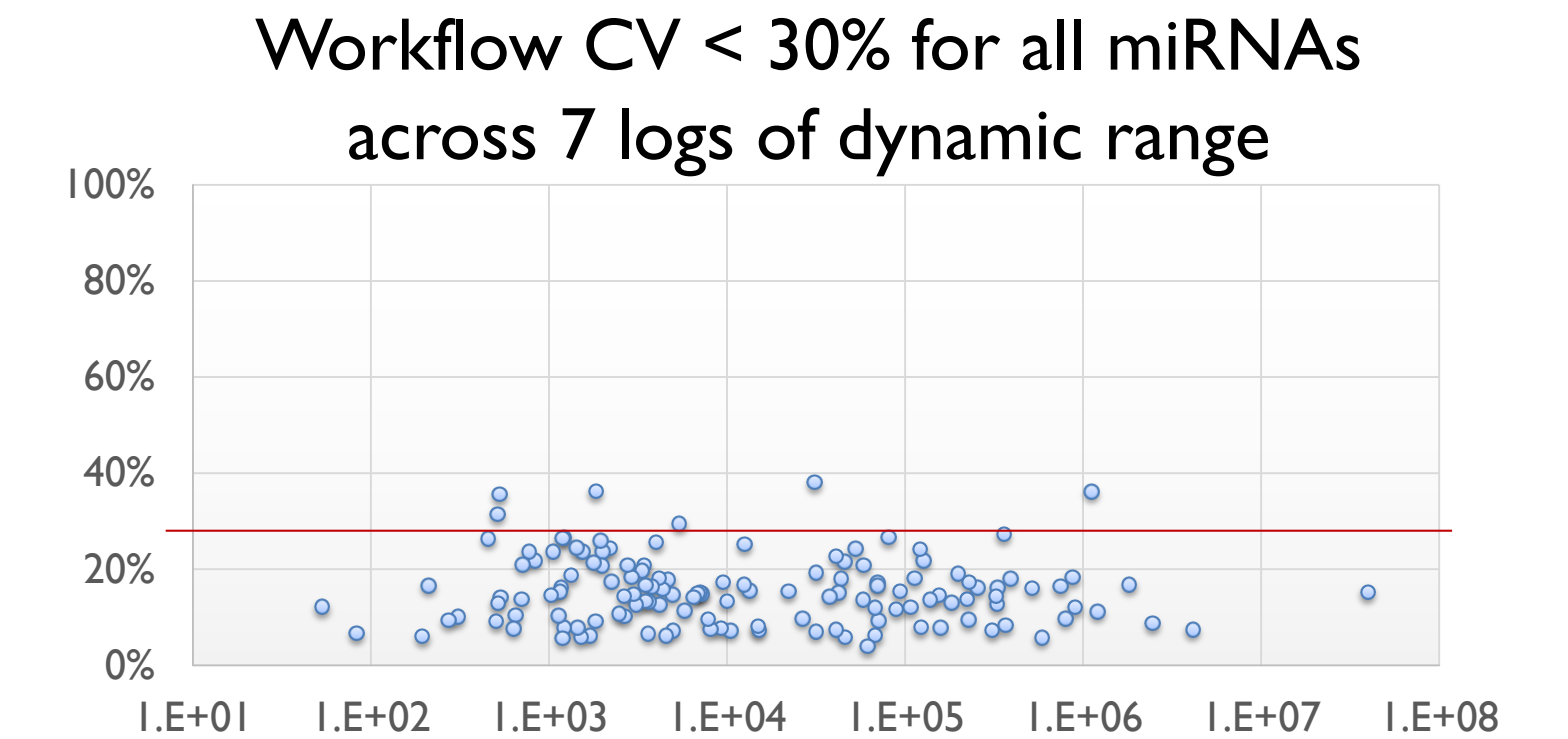


Key Value Proposition

1. Unparalleled Sensitivity allows detection of low abundance miRNAs

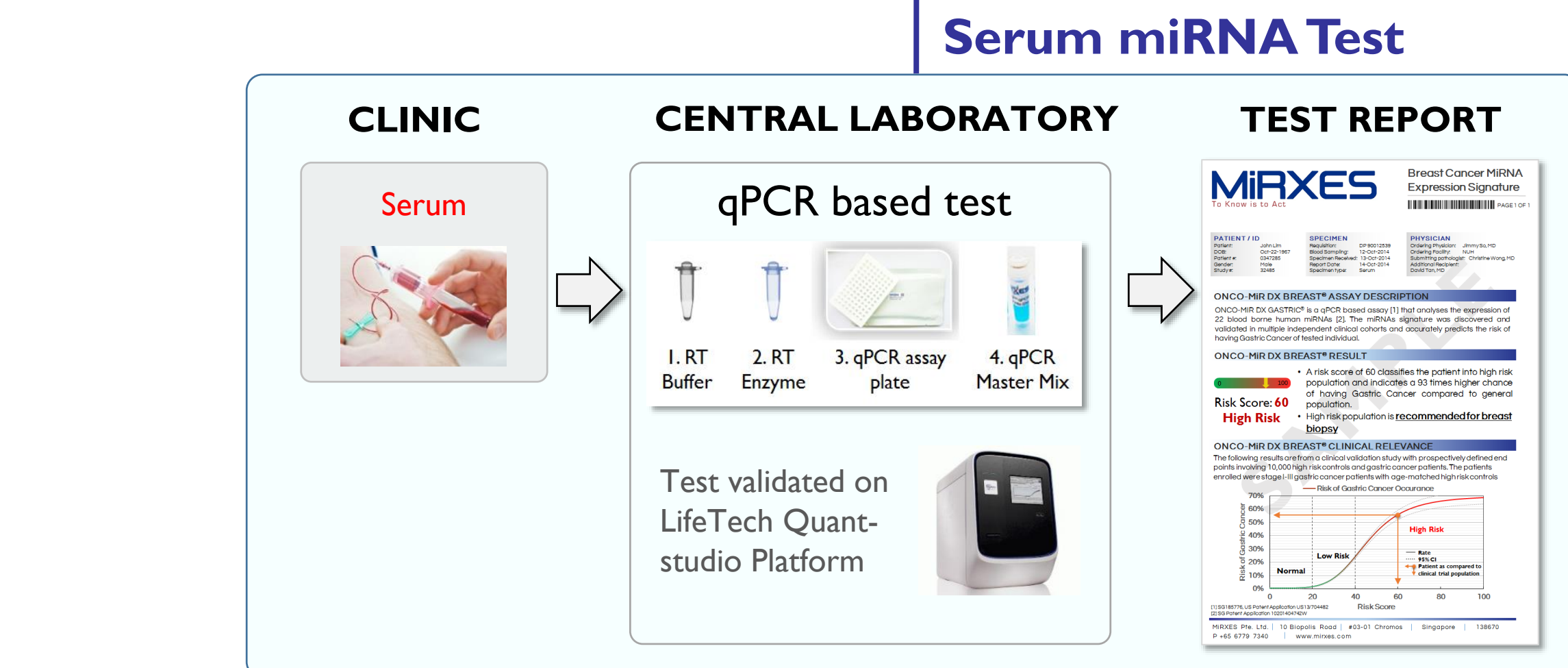
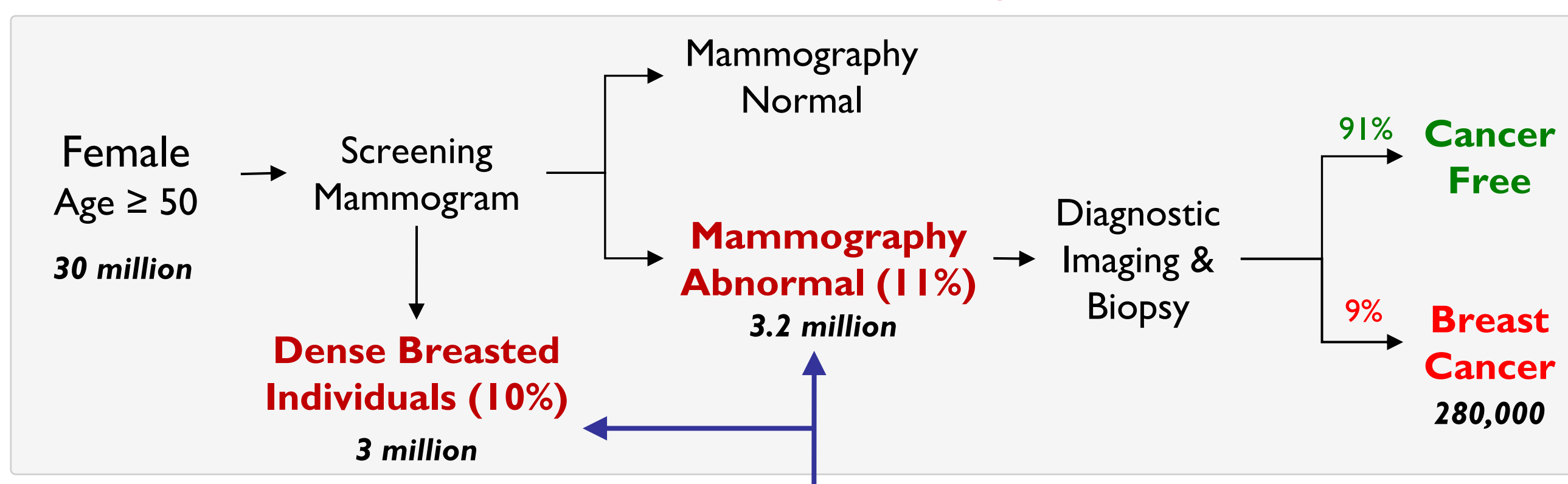
	MiRNAs detected from 200 μ l serum
MiRXES	> 400
qPCR Technology A	< 200
qPCR Technology B	< 150
qPCR Technology C	< 100

2. High accuracy and reproducibility

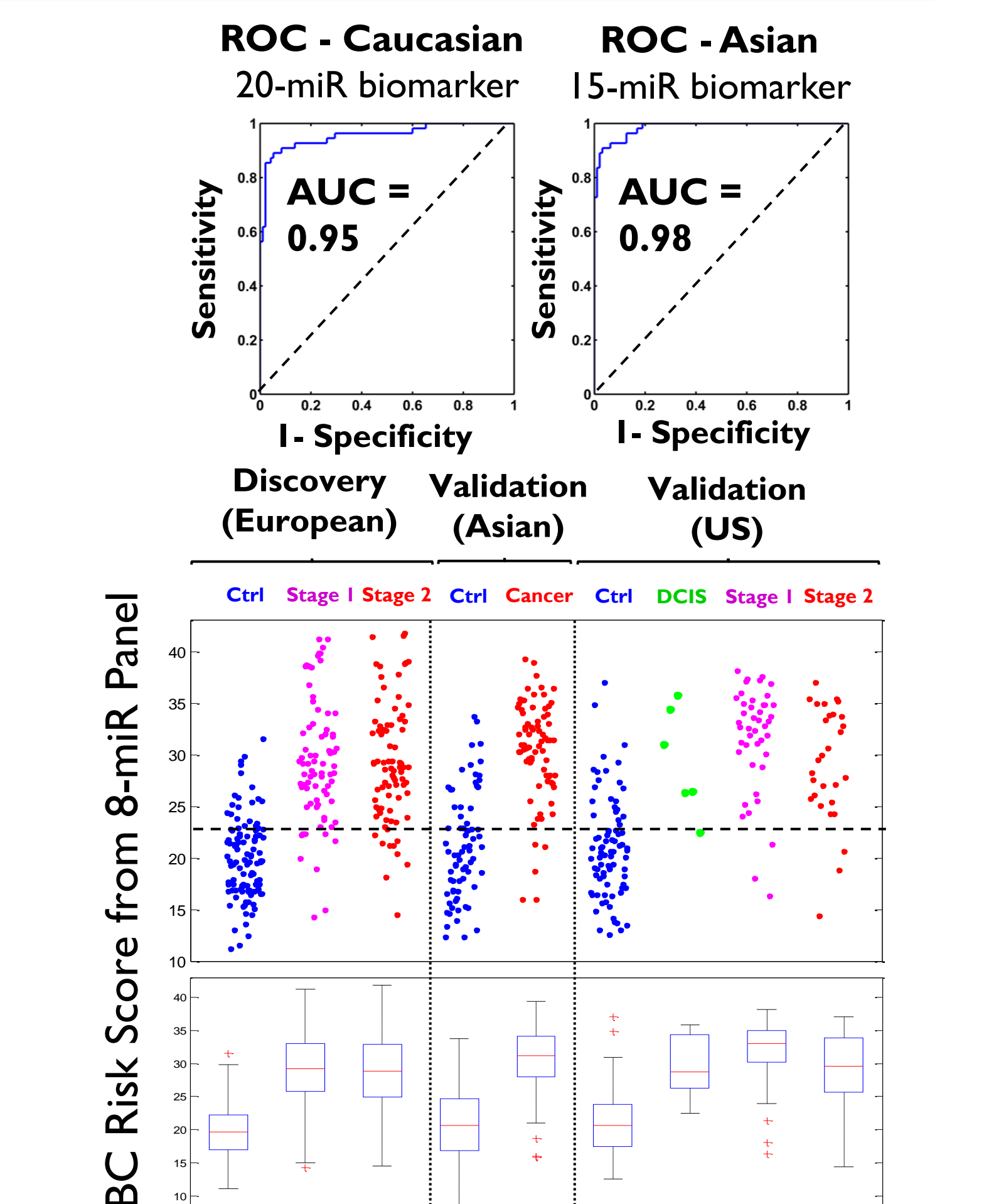
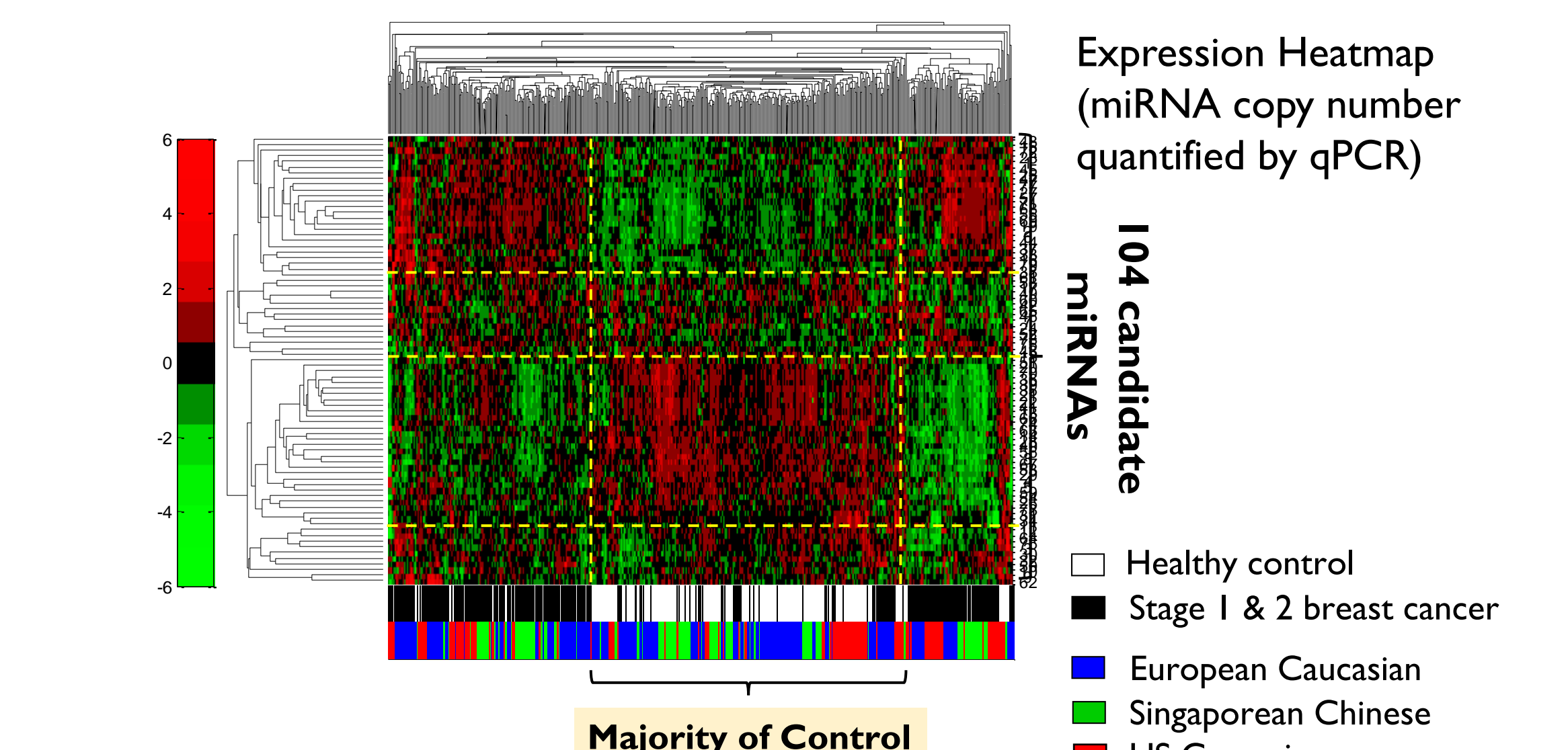
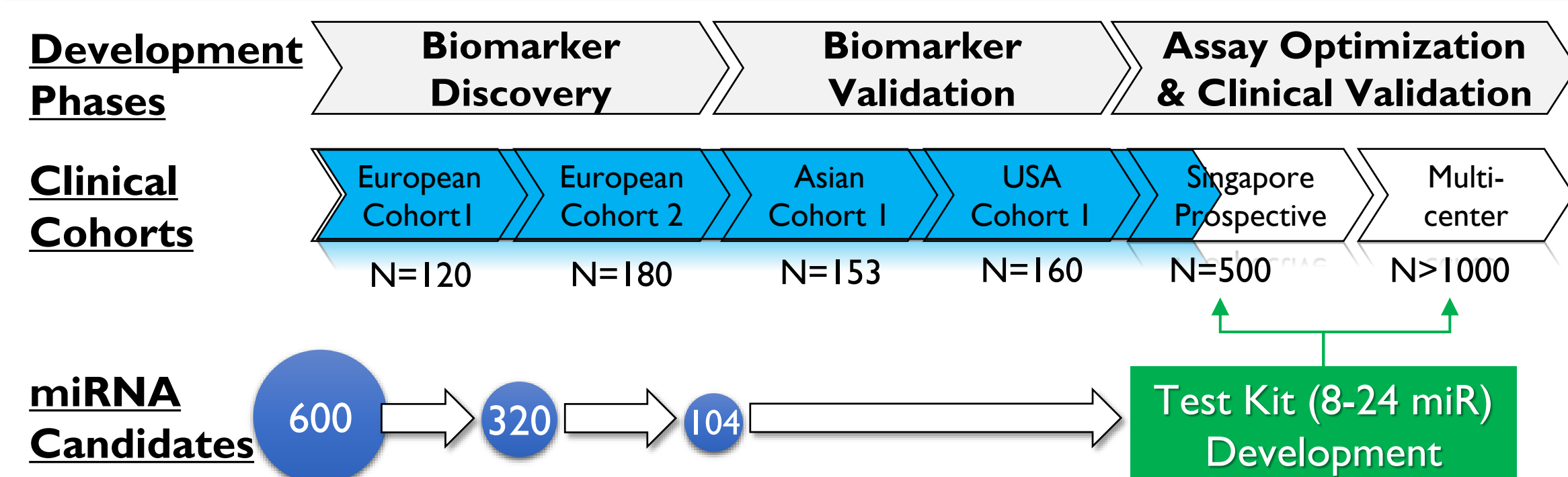


MiRNA Biomarker for Breast Cancer Detection

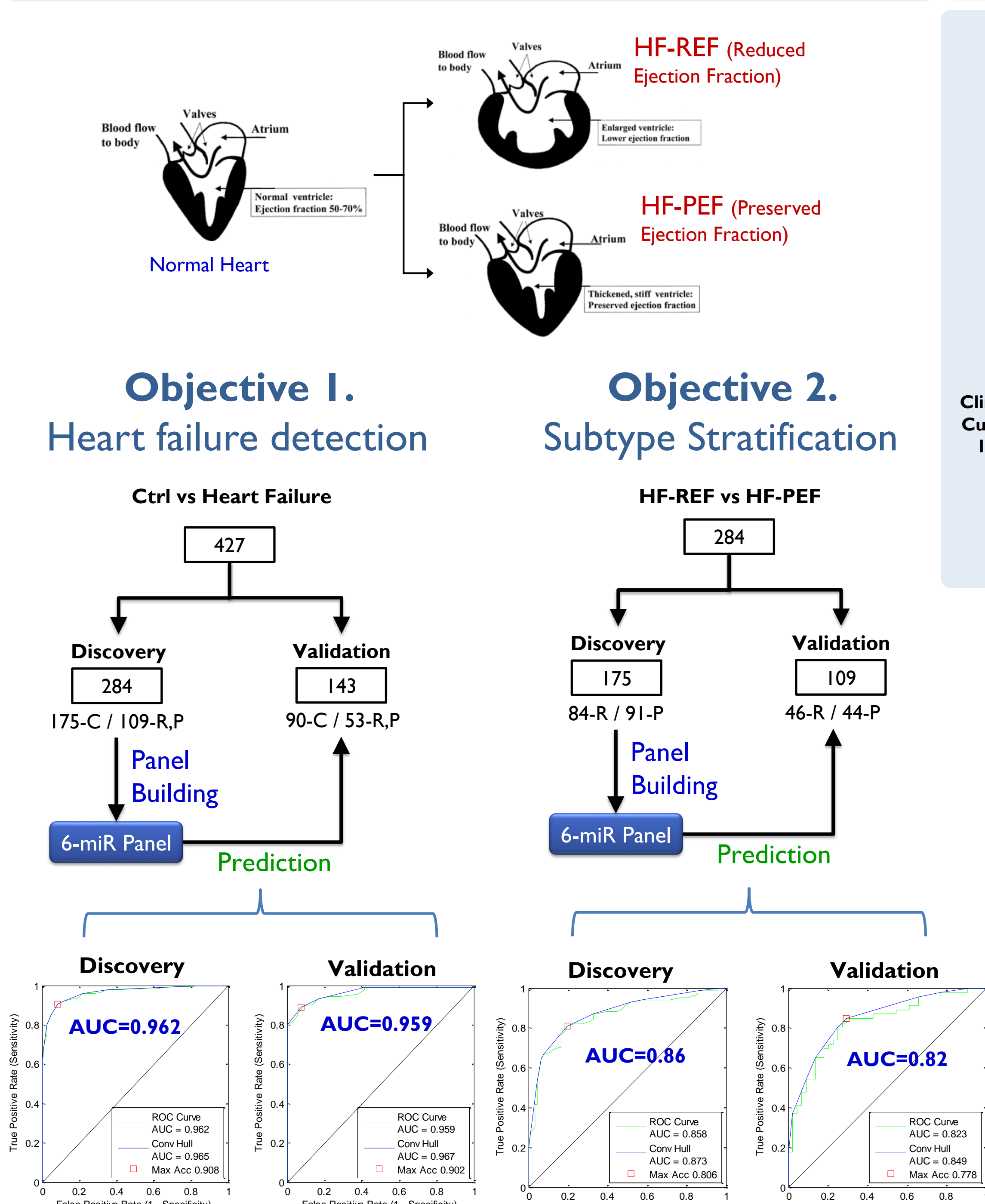
Unmet Needs in Breast Cancer Screening



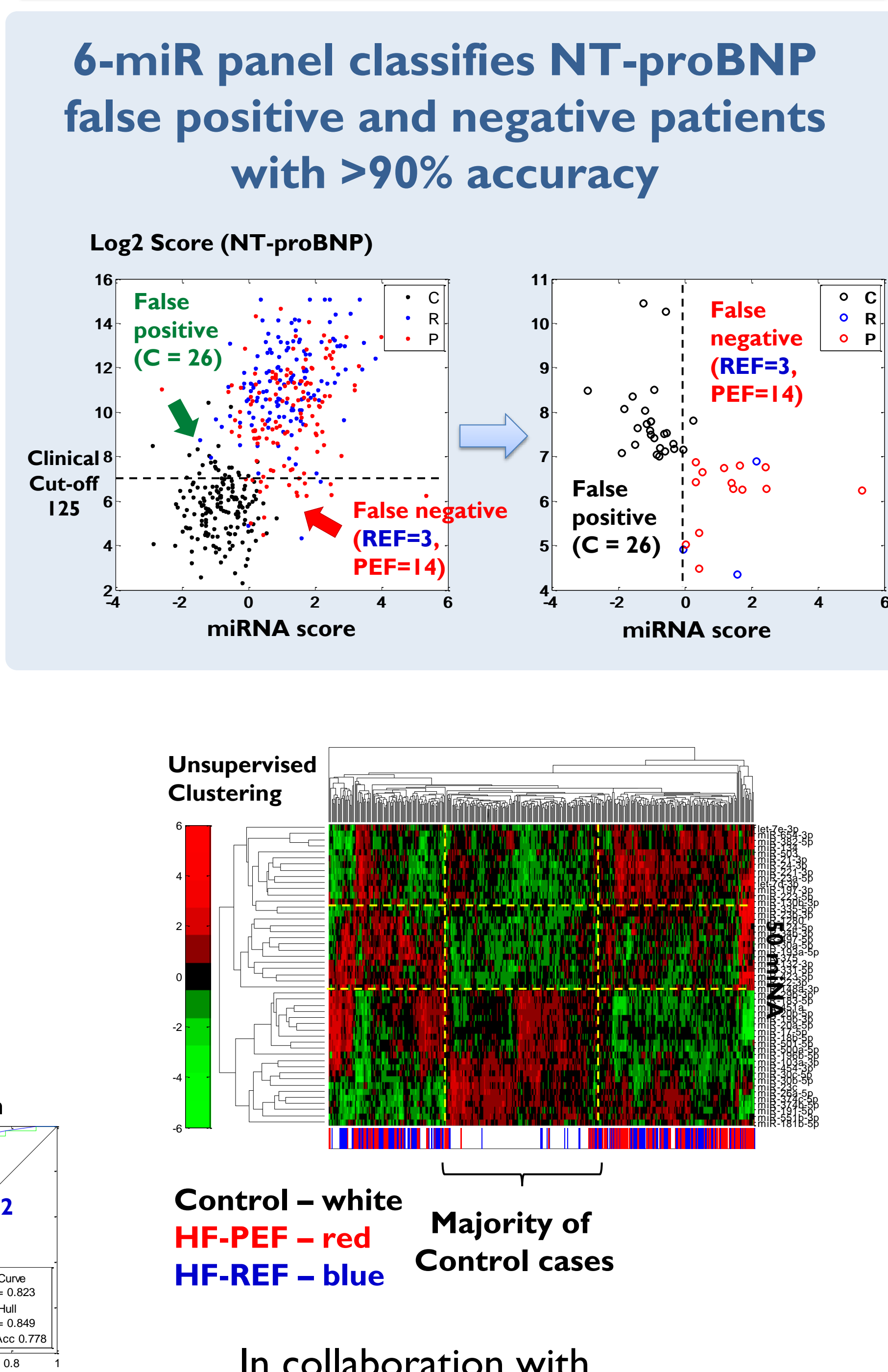
Study Design & miRNA Biomarker Performance



MiRNA Biomarker in Heart Failure

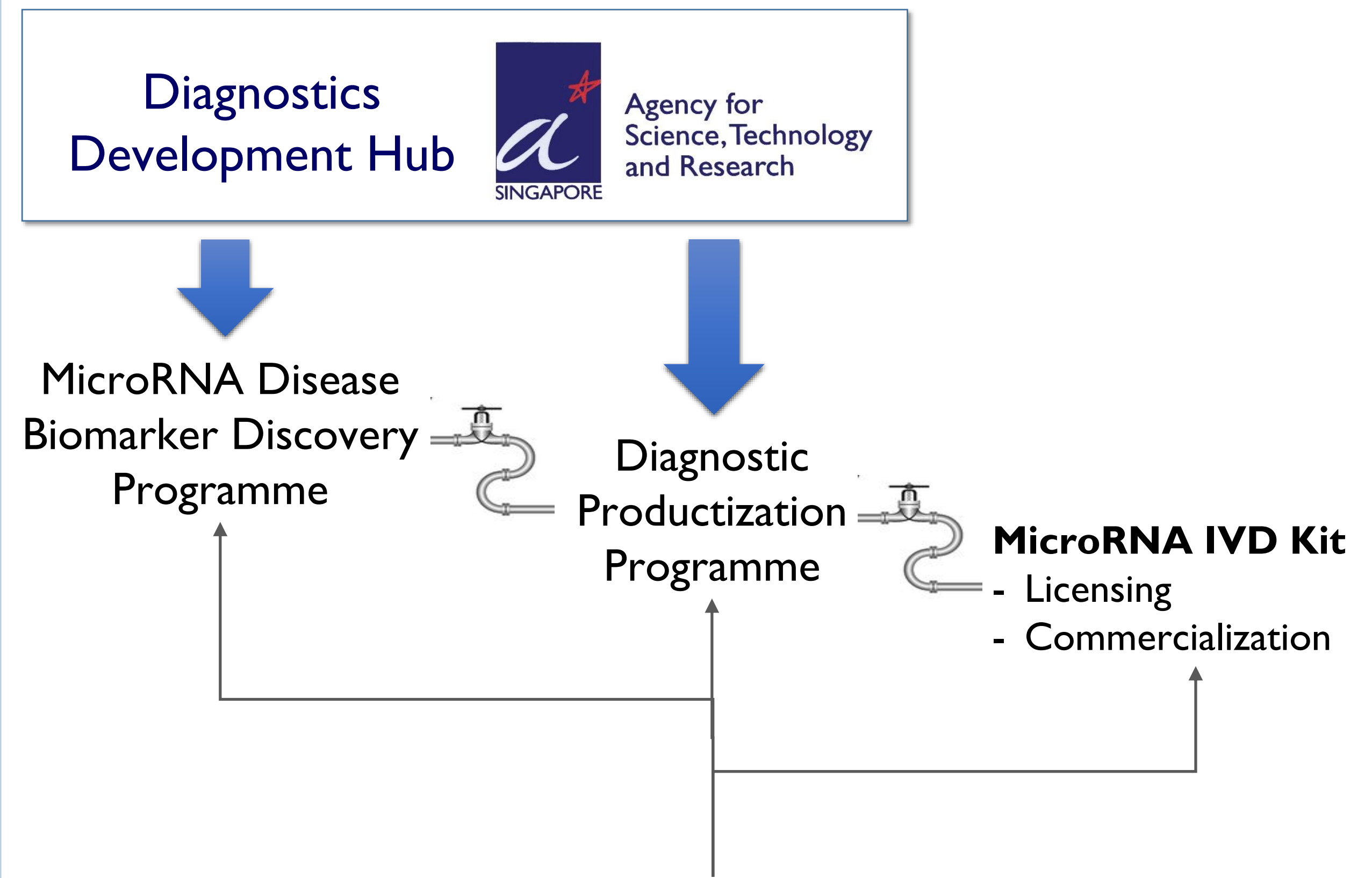


MiRNA Compliments NT-proBNP



A Singapore miRNA Biomarker Development Partnership (Flexible Collaboration Models)

Singapore's National Diagnostics Initiative



MiRXES
 To Know is to Act

MiRNA Technology & Development Partner

6-miR biomarker panels are capable to detect and stratify heart failure patients

In collaboration with Professor A Mark Richards

