

### Redefining Molecular Diagnostics with Single-Molecule Precision

Oguzhan Atay, PhD | CEO



Superior tech with 10x better products

Assays that reach physical limit of detection

Category-defining products in prenatal & oncology



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Category-defining products in prenatal & oncology

0 to ~\$200M ARR in <5 years

>100% YoY growth in 2024

Hypergrowth backed by high and increasing sales efficiency



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## Unmatched gross margin profile

Already at 60% + gross margin in prenatal & profitable

Path to 70% + gross margin & 25% + profit margin



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## Oncology as the second growth engine

Detecting >50% more actionable mutations

Precise molecular-level monitoring for late-stage cancers

Achieving faster initial traction than prenatal



PILLAR #1

Superior Tech & 10x Better Products



# Existing molecular diagnostics are limited.





#### LIMITED TO

### chromosomal changes

Can only detect

1M+ base pair changes

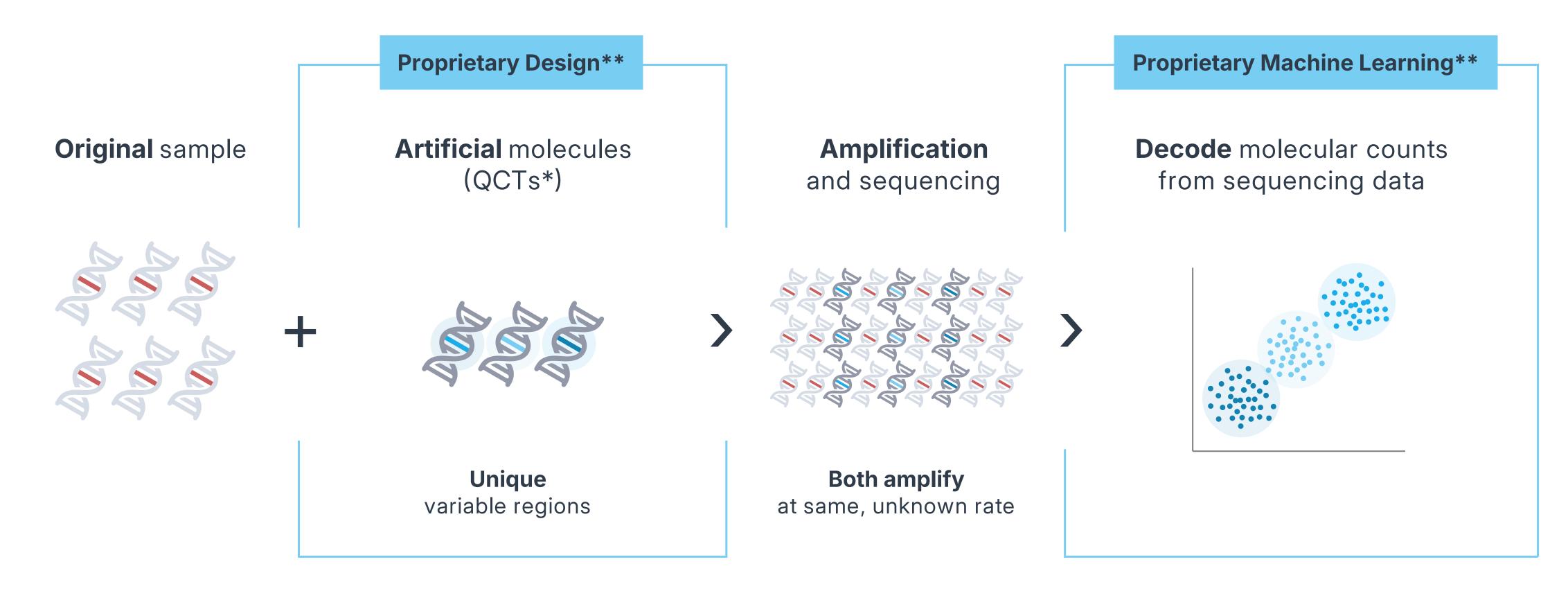
#### LIMITED BY

## lower sensitivity & noisy measurements

Mutations are missed due to lack of sensitivity



## Our patented molecular counting platform has a single base-pair resolution.

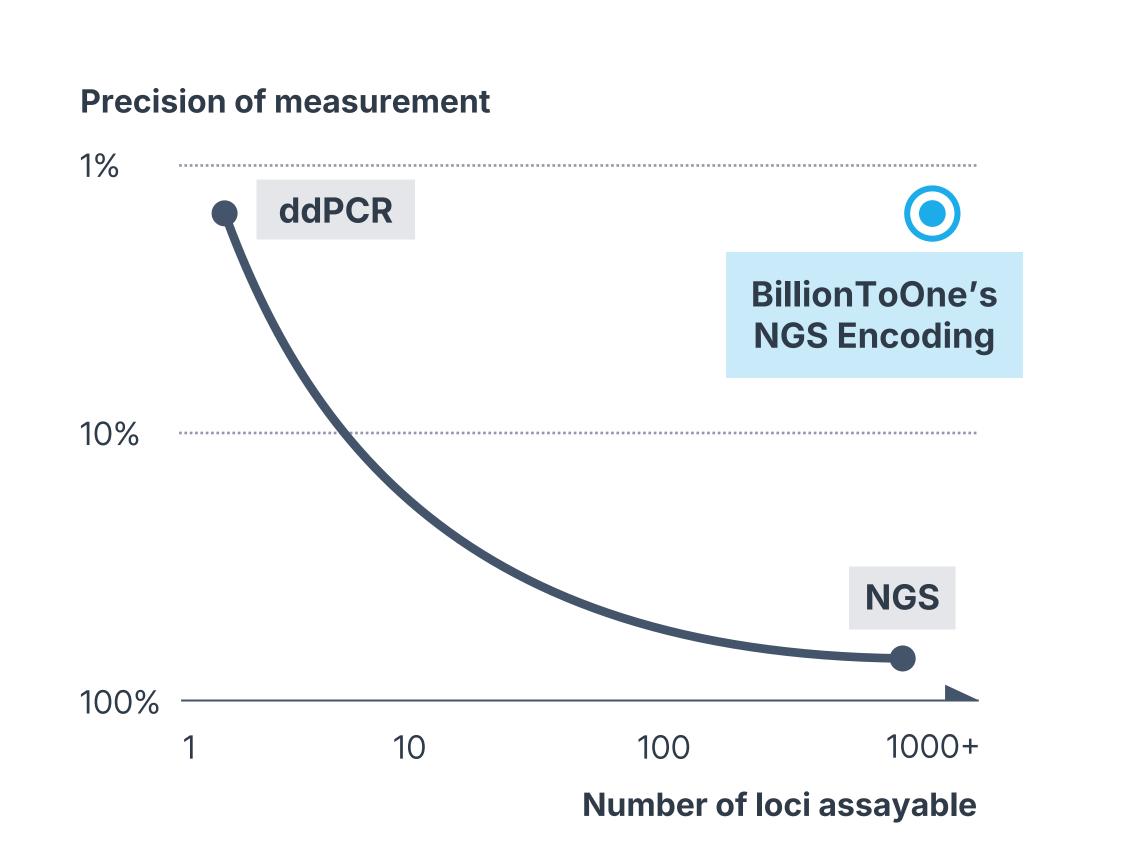


<sup>\*</sup> Quantitative Counting Templates



## Pushing technology frontier forward.

ddPCR-level accuracy with NGS multiplex capability.





# UNITY Screen<sup>™</sup> redefines the category of non-invasive prenatal testing (NIPT).





## NIPT for recessively inherited conditions requires unprecedented level of resolution.



**Aneuploidy** 

**Easiest to detect** 



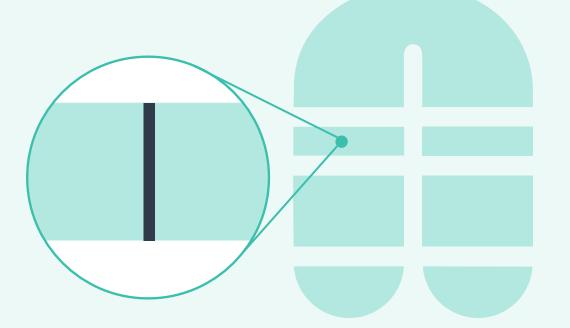
Microdeletion

**Decreased accuracy** 

#### **Recessive Conditions**

Require physical limit of precision & sensitivity

- Cystic fibrosis
- Spinal muscular atrophy
- Sickle cell disease
- Thalassemias



10+ million base pairs — 1+ million base pairs

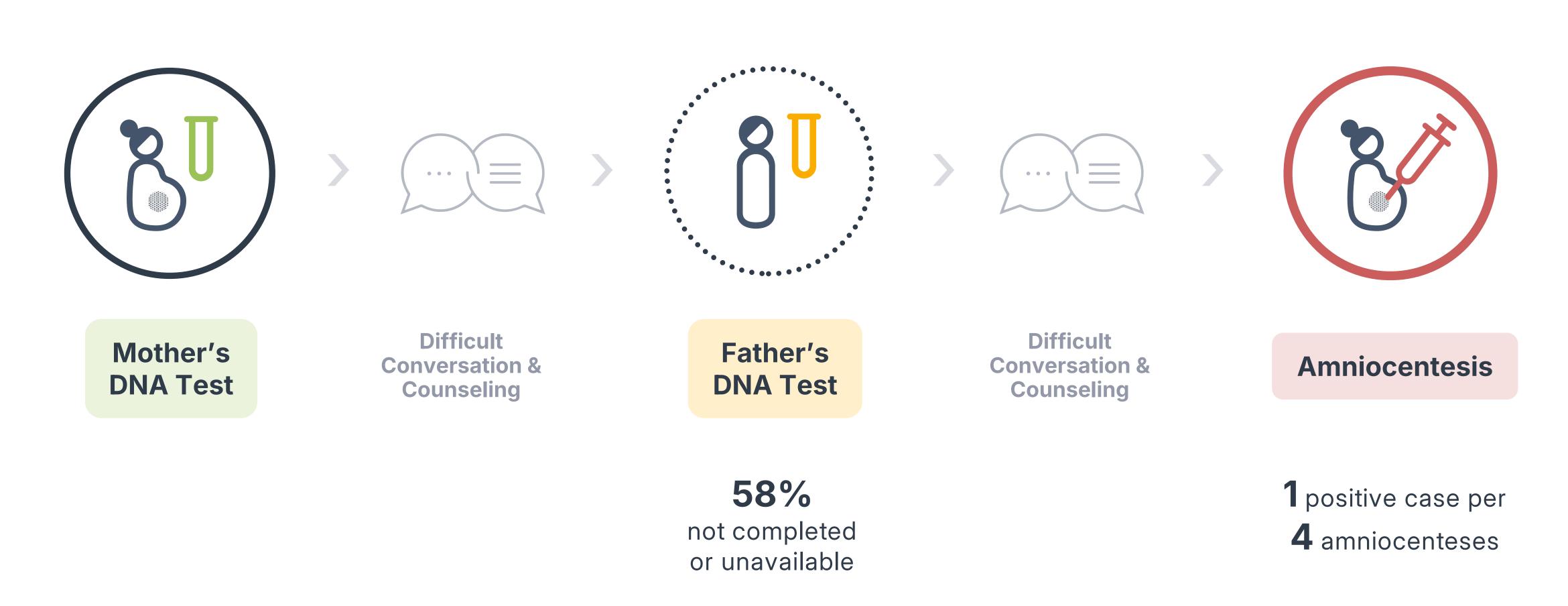
Single base pairs

Conventional Methods

Addressable only with UNITY



## 58% of affected pregnancies are missed due to the complexities of conventional screening protocols.





## A single blood test that reduces follow-up counseling and testing by 90%.



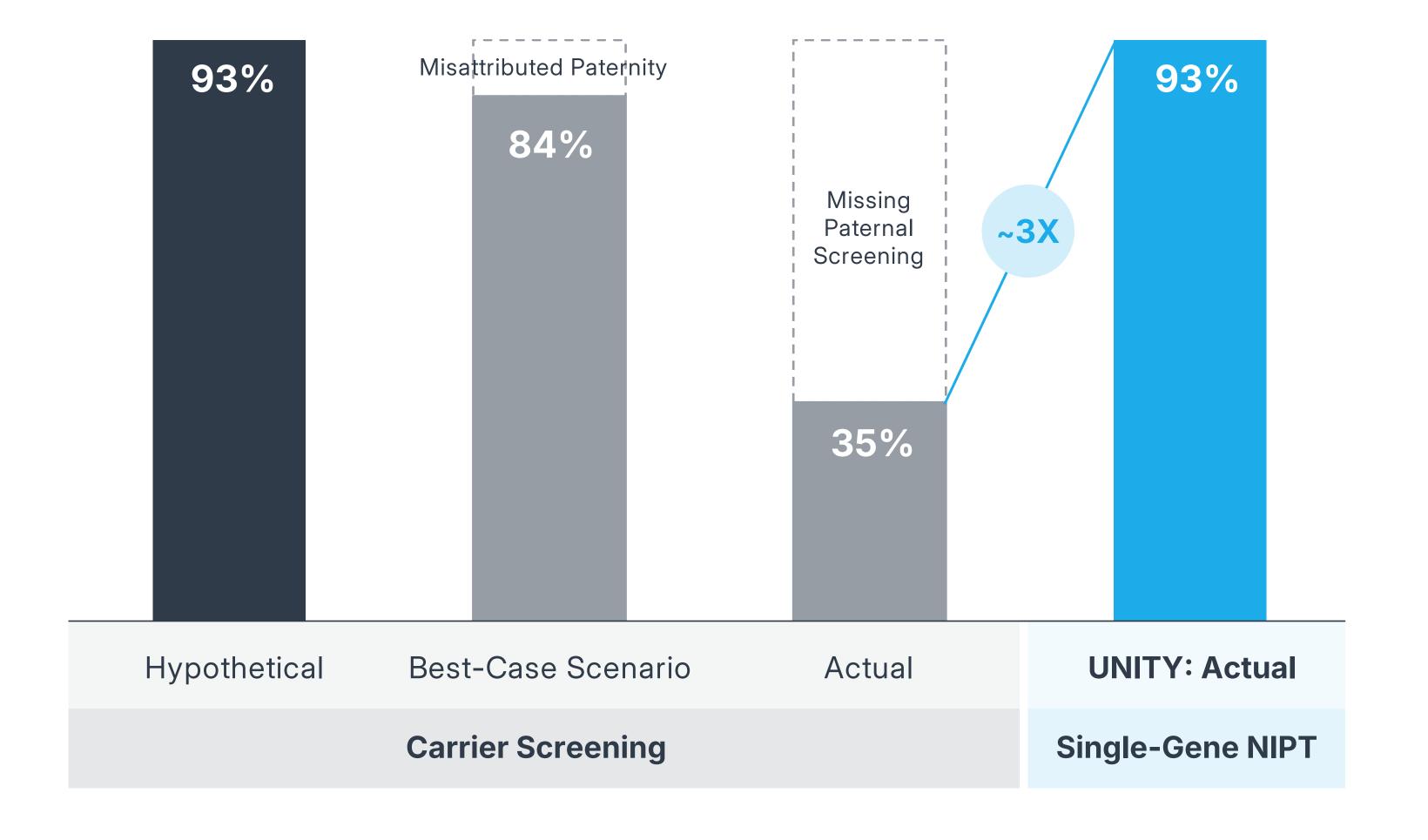
Directly identify fetal risk, reimbursed for maternal carrier status

not needed

significantly reduced need



## UNITY is becoming the new standard in prenatal care. It detects 3x more affected pregnancies than other methods.



Wynn J, Hoskovec J, Carter RD, Ross MJ, Perni SC. Performance of single-gene noninvasive prenatal testing for autosomal recessive conditions in a general population setting. Prenat Diagn. 2023 Sep;43(10):1344-1354. doi: 10.1002/pd.6427. Epub 2023 Sep 6. PMID: 37674263.

Hoskovec J, Hardisty EE, Talati AN, Carozza JA, Wynn J, Riku S, Ten Bosch JR, Vora NL, Maternal carrier screening with single-gene NIPS provides accurate fetal risk assessments for recessive conditions, Genetics in Medicine, 2022, ISSN 1098-3600, https://doi.org/10.1016

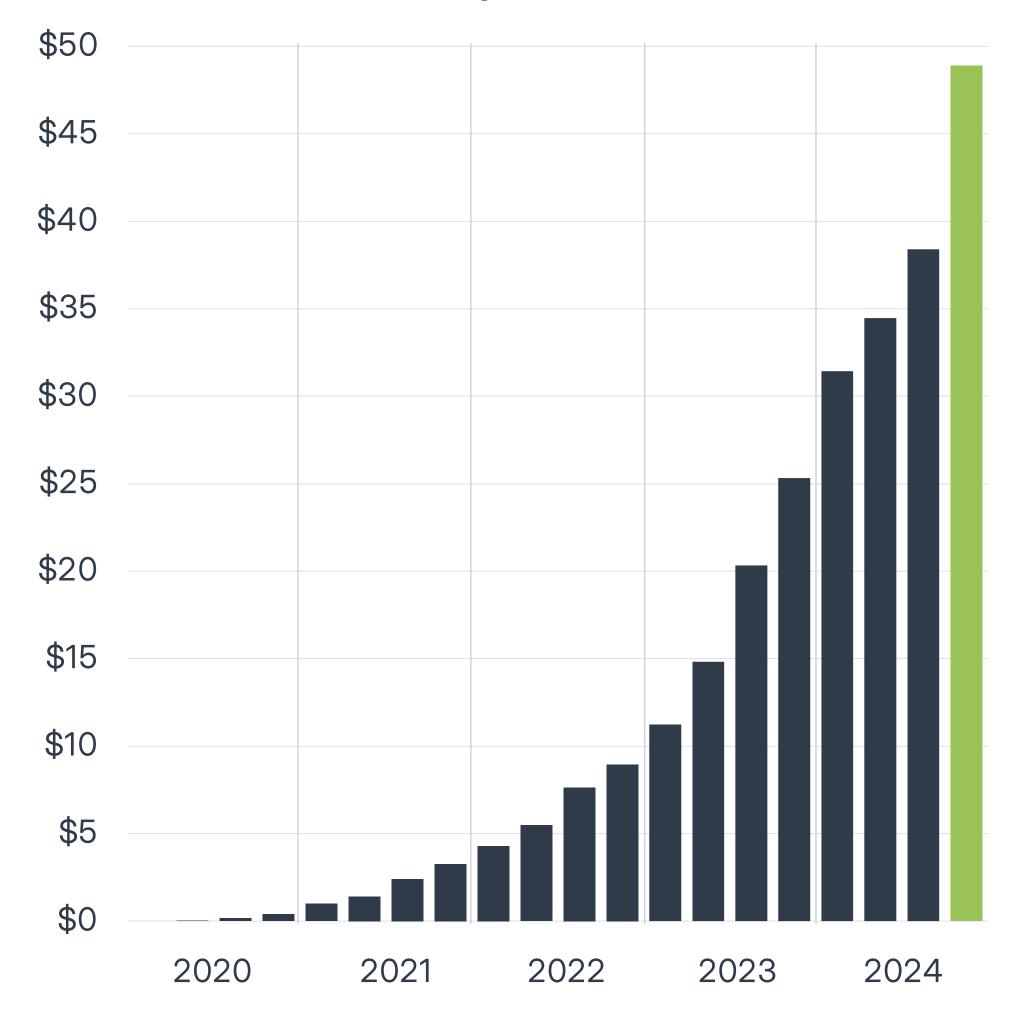


#### PILLAR #2

Fast, Repeatable, Efficient Growth

# Zero to ~\$200M ARR in ~5 years.







#### And we're just getting started.

We currently have

30%

salesforce size
of largest competitor

We are continuing to grow

75%+ CAGR

in revenue

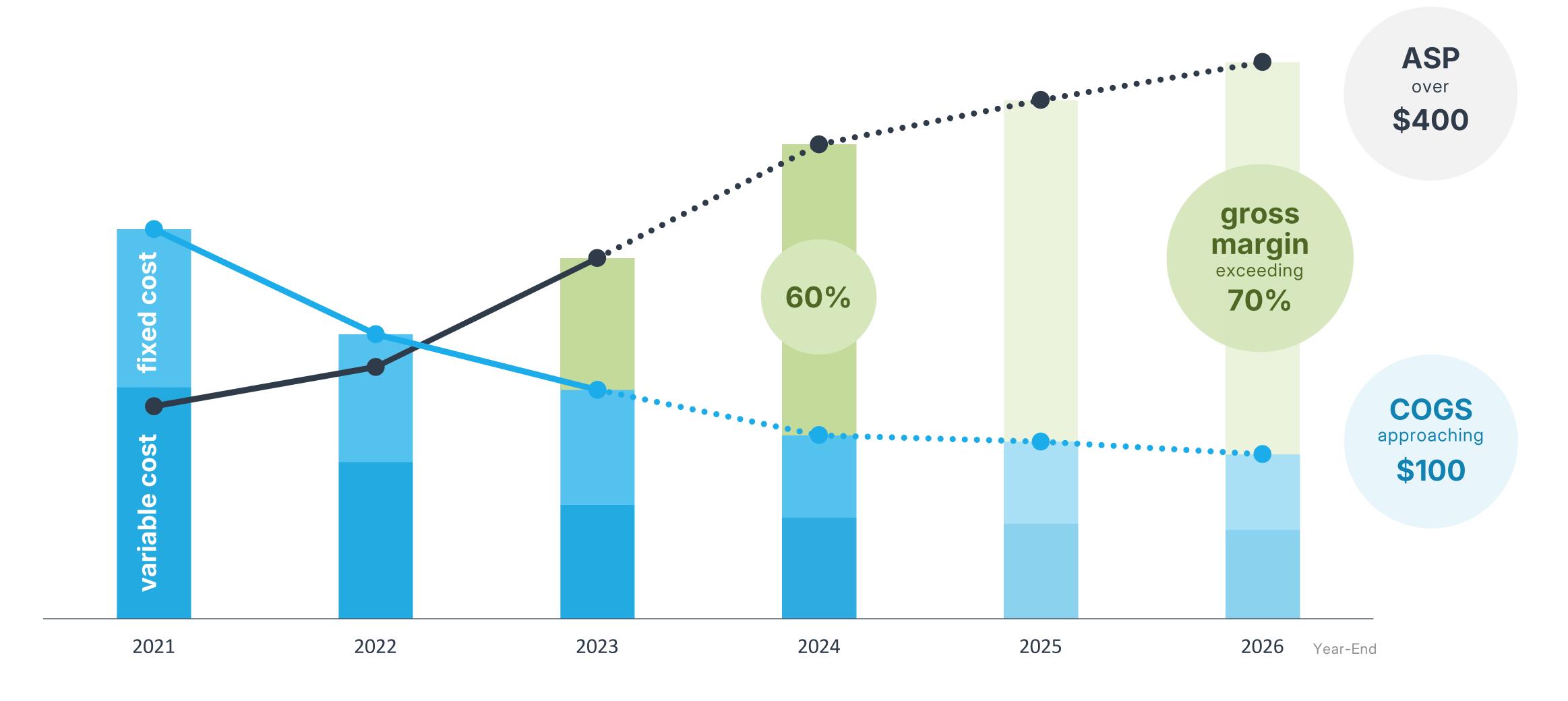


#### PILLAR #3

Increase in ASP & Decrease in COGS



## Currently ~60% gross margin & profitable with continuing rapid margin expansion





PILLAR #4

Oncology: Second Growth Engine



## We solve oncologists' two most important unmet needs.

What therapy will work best?

**Therapy Selection** 

Actionable mutations are missed by liquid biopsy due to lower sensitivity, hindering the further adoption of liquid biopsy.

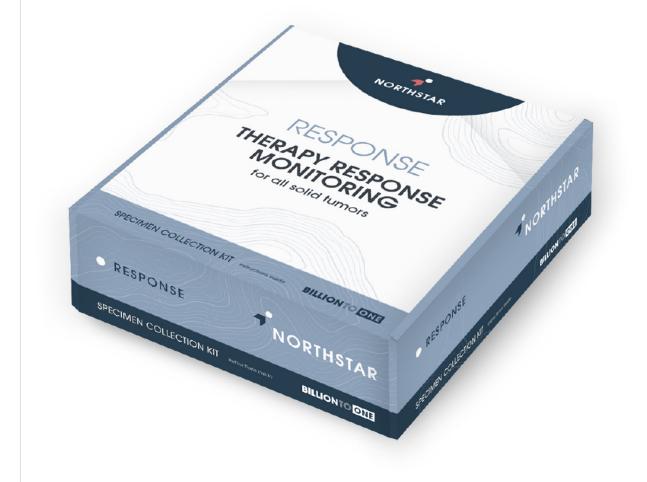
Is the therapy working?

**Response Monitoring** 

Treatment response rate can be low (ex. 20-30% for immunotherapy) and scan-based treatment response monitoring is noisy and a lagging indicator.



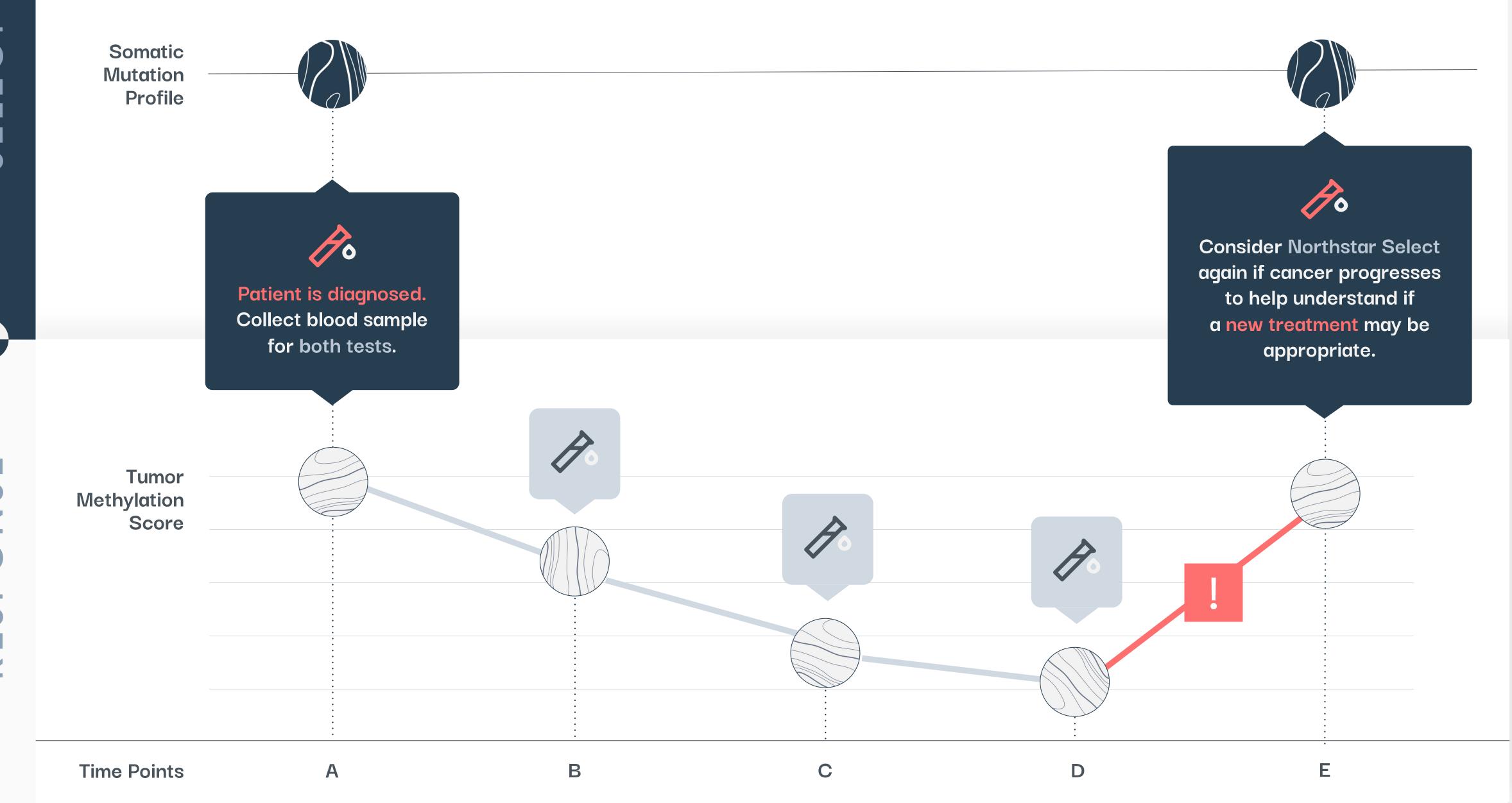
- Comprehensive mutation profiling assay with expanded copy-number coverage
- Unprecedentedly high sensitivity



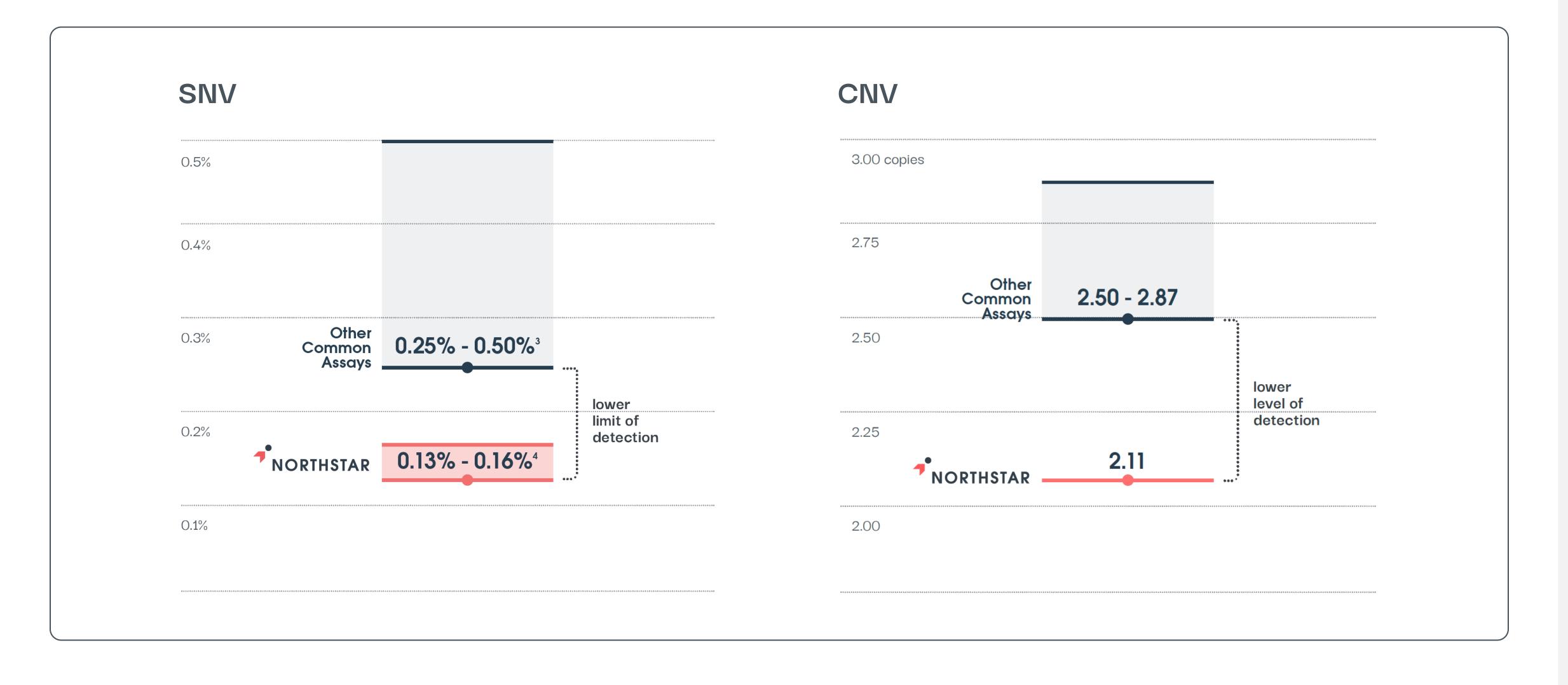
- The only assay that quantifies methylated ctDNA level
- Precise response monitoring for late-stage cancers, a more challenging problem than MRD

Tisolo Are

NORTHSTAR



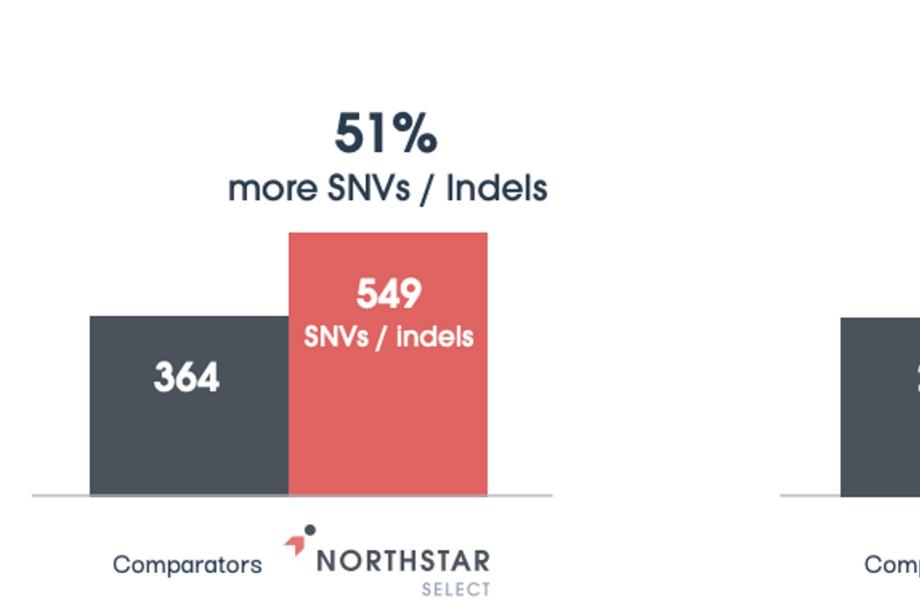
Northstar Select offers higher sensitivity and 2 to 5x lower LoD than other liquid biopsy products available.

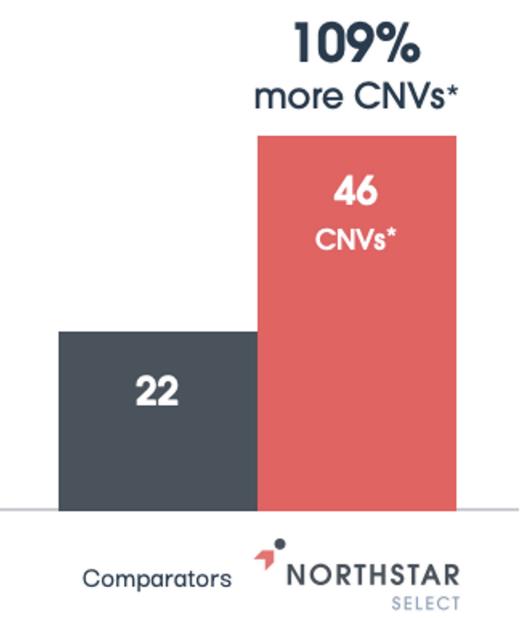


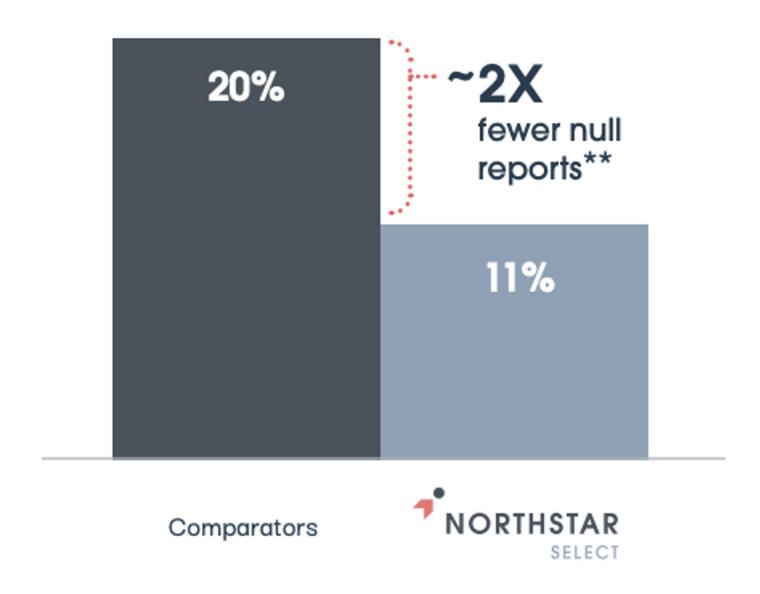
In a head-to-head clinical study, Northstar Select detected **51-109%** more reportable mutations than comparator assays.

#### Superior Detection Rates for SNVs, Indels and CNVs

#### **Reduced Null-Reporting**



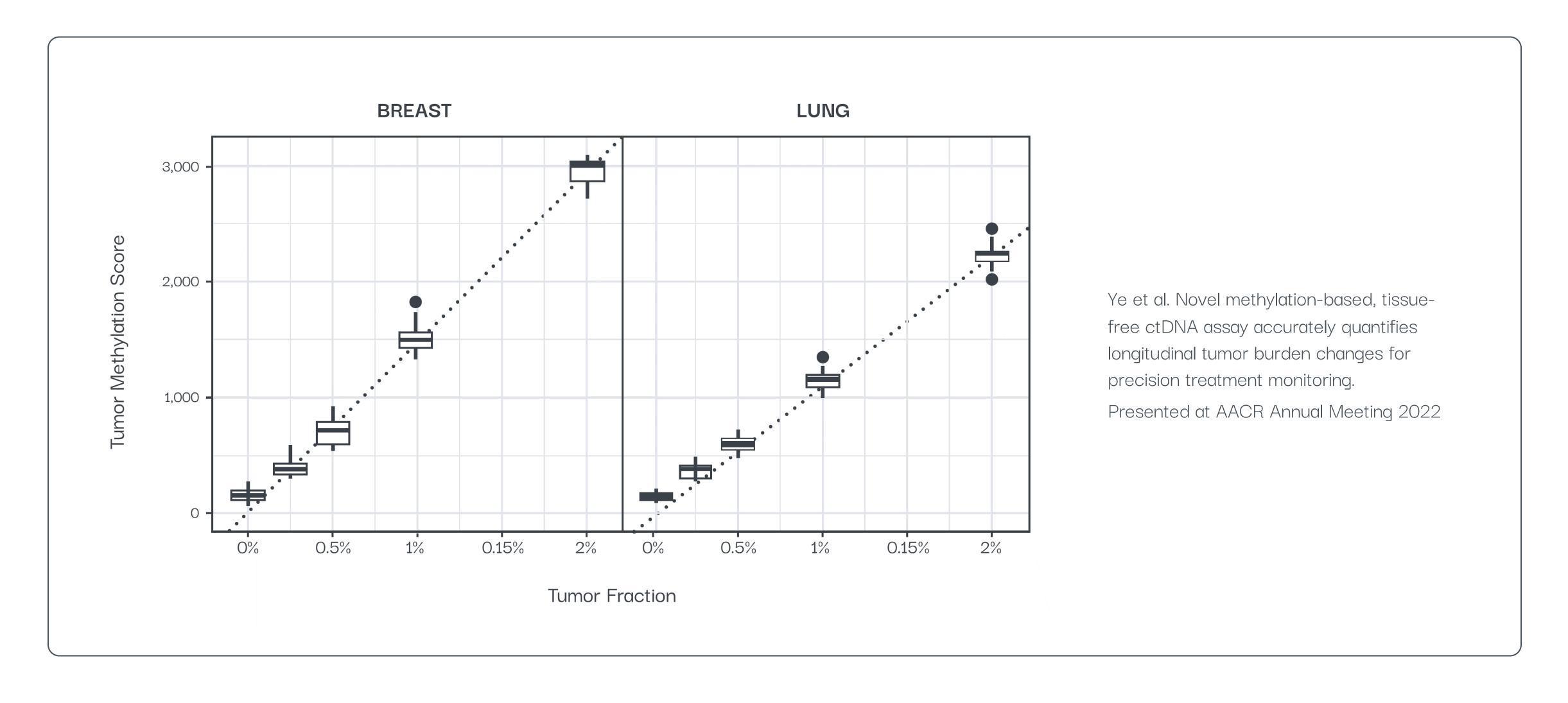




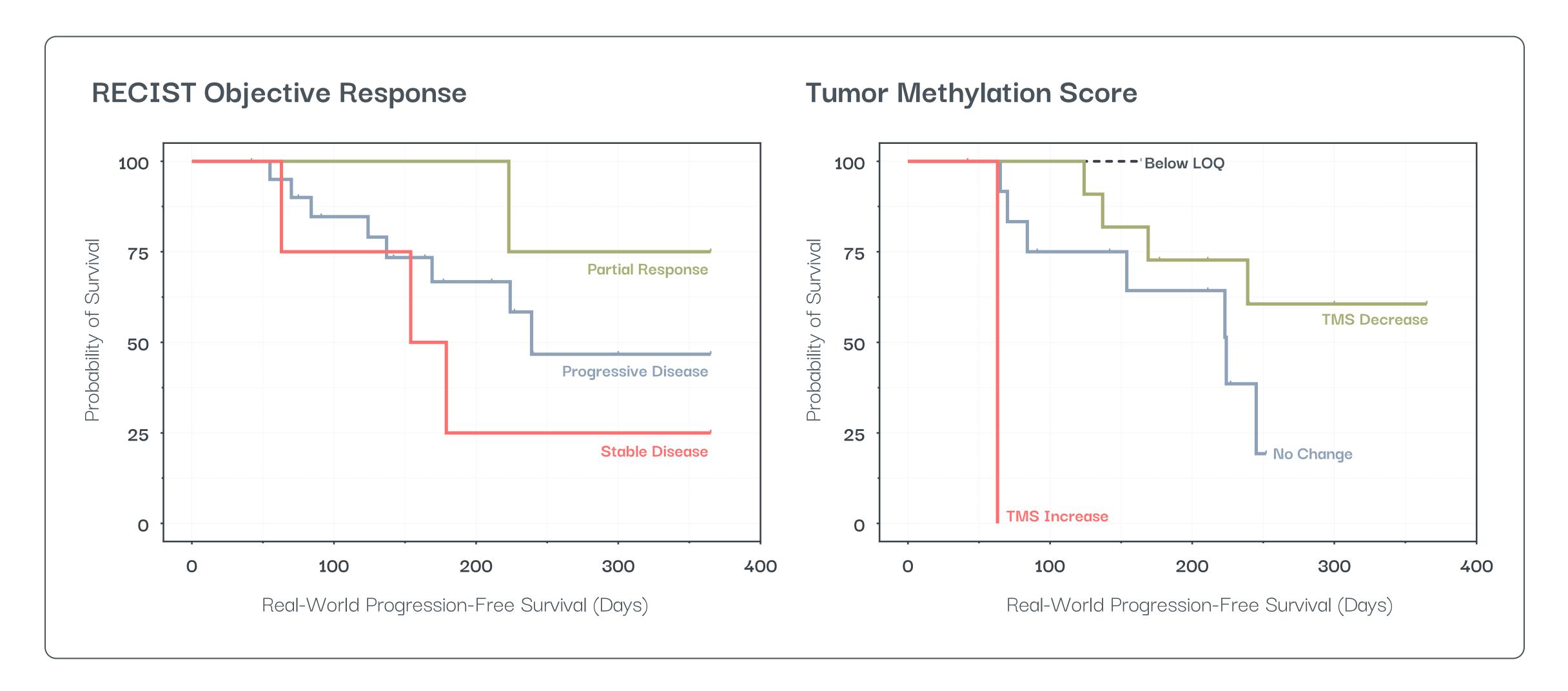
Powered by our proprietary QCT (Quantitative Counting Template) technology, Northstar Select identified 51% more actionable SNVs / indels and 109% more CNVs, providing you and your patient more options when it matters most.

Higher sensitivity reduces your chances of receiving a null report, improving your diagnostic yield.

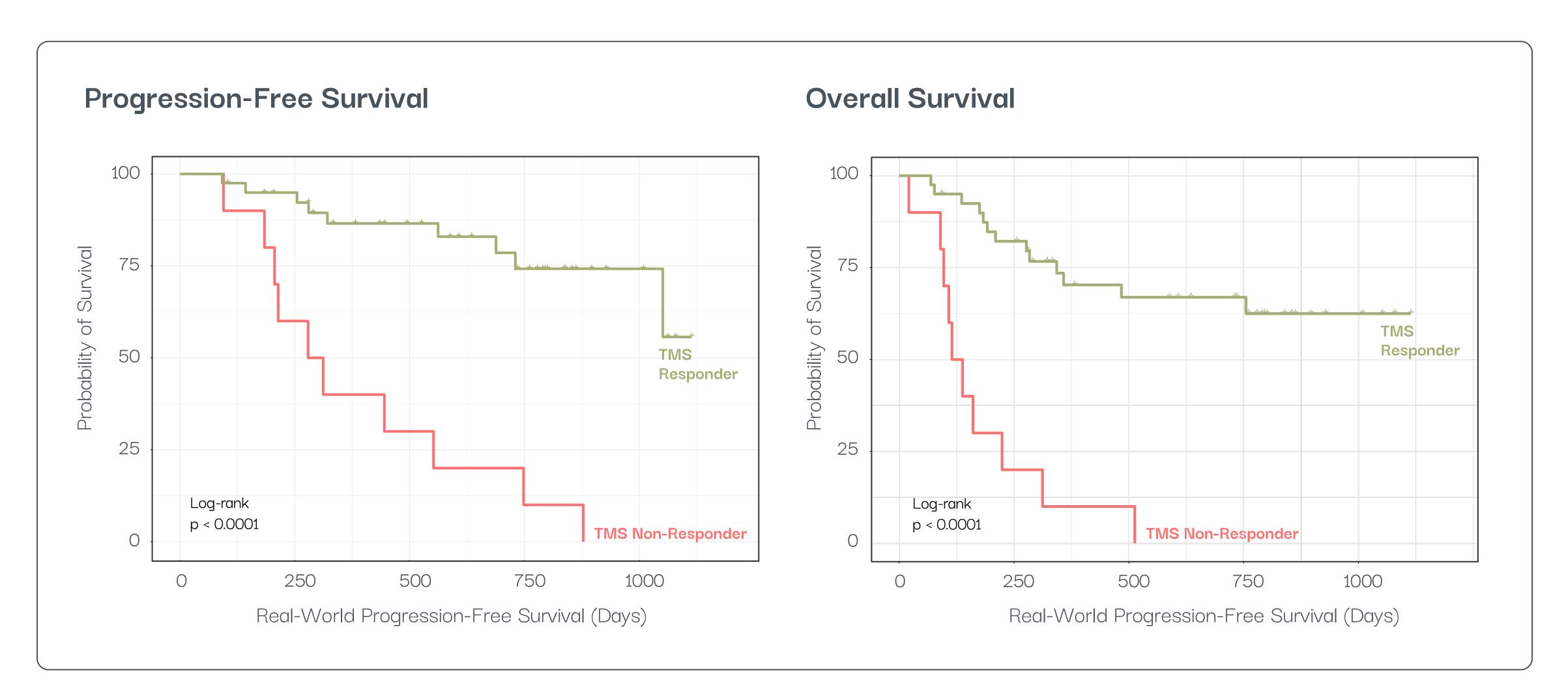
## Northstar Response is highly accurate at measuring changes in tumor fraction across 10+ cancer types.



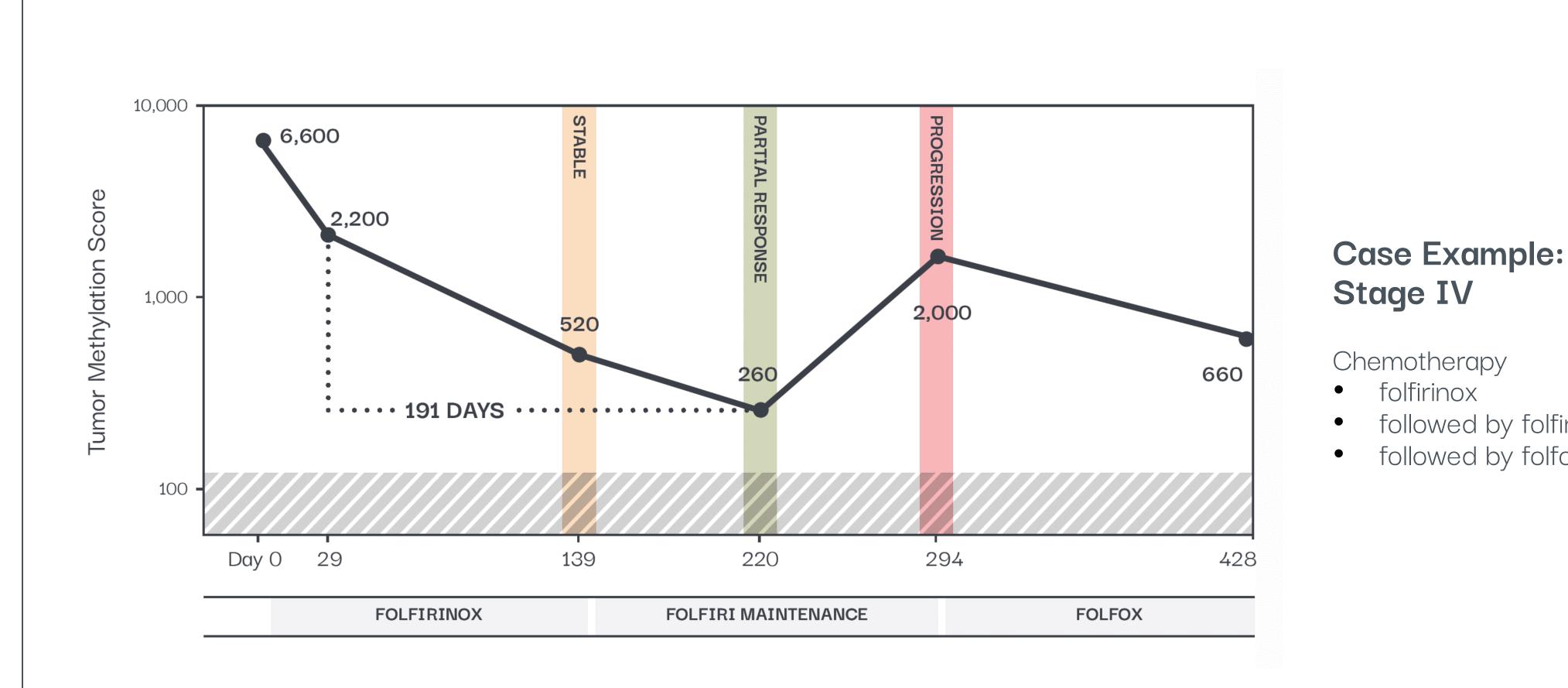
Northstar successfully stratifies immunotherapy outcomes in lung cancer (higher separation than scans).



Northstar successfully stratifies all therapy outcomes in pancancer cohort in a landmark analysis.



Northstar Response detecting partial response 191 days earlier and as well as progression afterward.



- followed by folfiri maintenance
- followed by folfox

## Northstar's initial commercialization pace is even faster than UNITY.



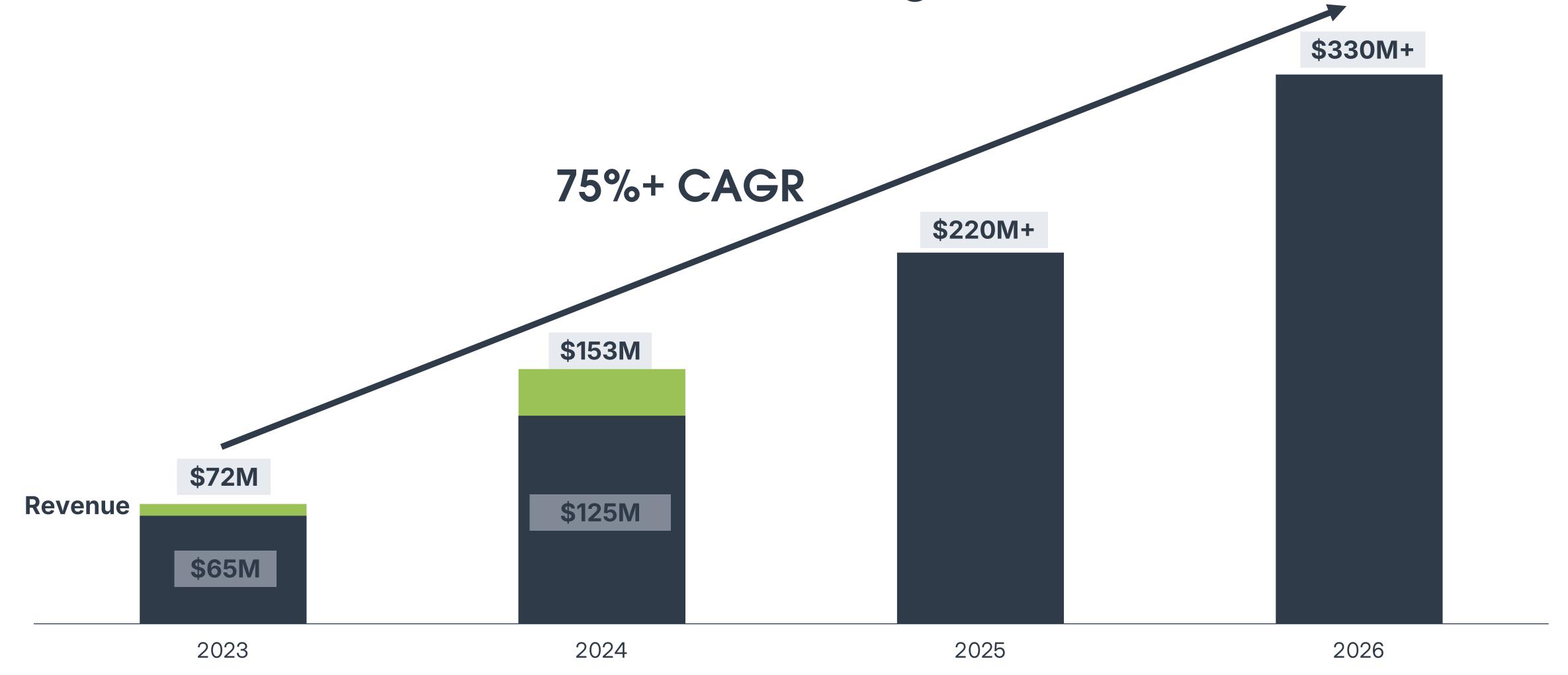


#### Financials & Future Growth





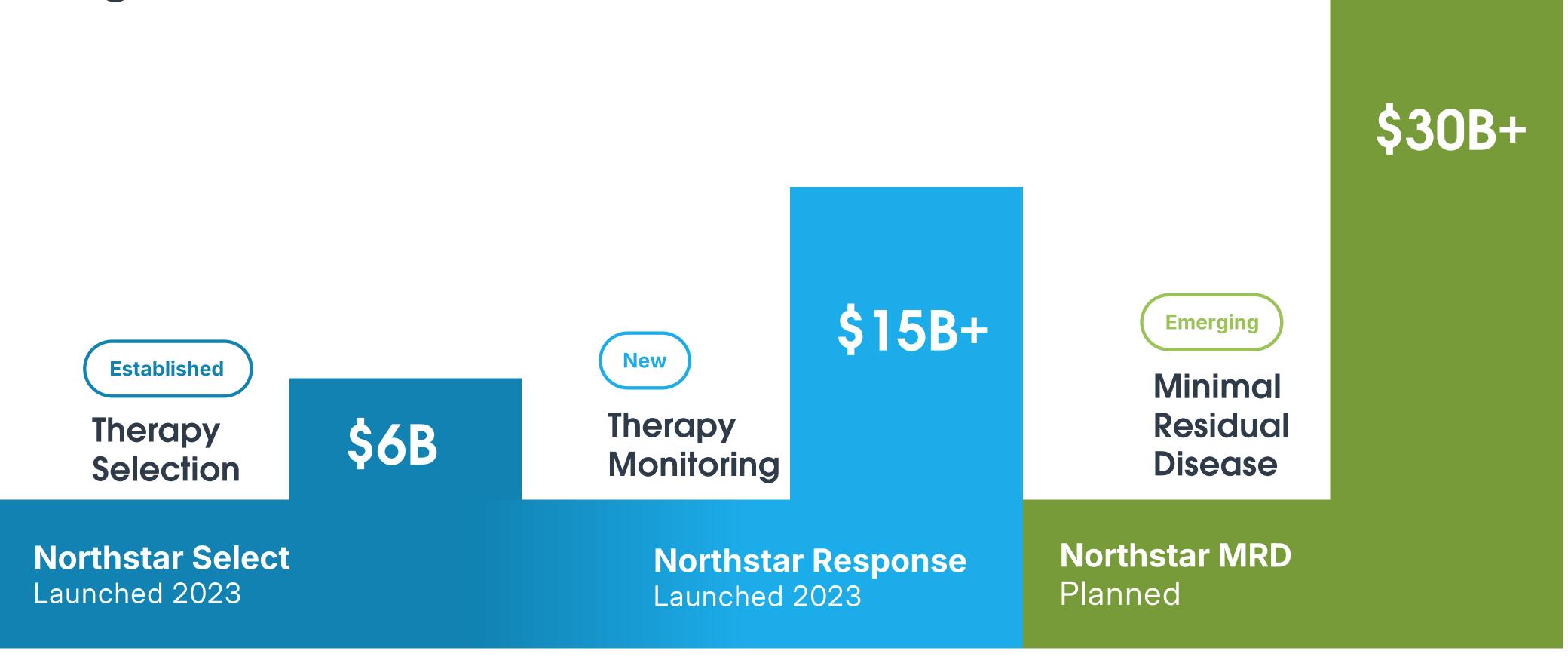
We do not need any additional capital to reach cash-flow positivity with fast growth







## Our technology platform will set us apart in \$50B+ oncology liquid biopsy market.







## Transforming healthcare one molecule at a time, one patient at a time.

- Single-molecule level sensitivity with single base pair resolution
- Exponential growth in differentiated, low COGS,
   high-efficiency, highly profitable prenatal business
- Applying the proven tech to similar technical problems in oncology with fast initial traction
- Long-term goal: to build a category-defining company and enter S&P 500



### Thank you

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