

Liquid Biopsy Analysis **Platform**

Clinical ctDNA Analysis Pipeline for Precision Oncology

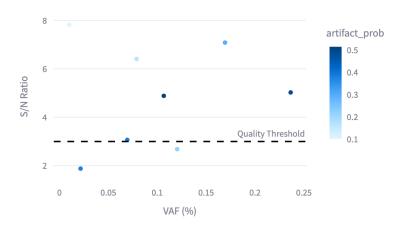
Demonstrating bioinformatics capabilities for clinical genomics applications

Features: Low-VAF detection • Quality control • Clinical interpretation • Database integration

Technical Analysis

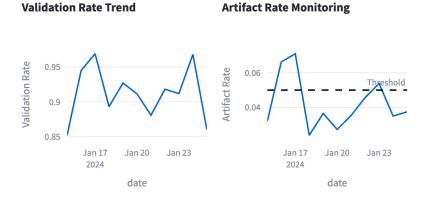
High Confidence	Actionable	Avg VAF
6	4	0.10%
↑ 75%	↑ 50%	

VAF vs Signal-to-Noise Analysis



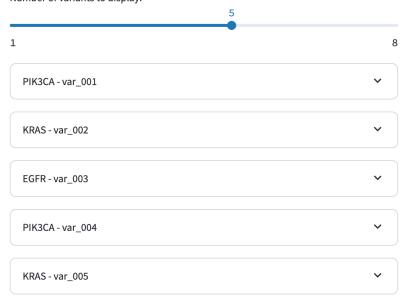
■ Quality Control Monitoring

Validation Rate Trend





Number of variants to display:



Platform Capabilities

₫ Technical Features:

- Ultra-low VAF detection (>0.01%)
- Signal-to-noise optimization
- Artifact filtering algorithms
- Quality control pipelines
- Real-time monitoring
- Statistical validation

Q Clinical Applications:

- Treatment selection support
- Biomarker discovery
- Resistance monitoring
- Prognostic assessment
- Clinical reporting
- Physician decision support

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