

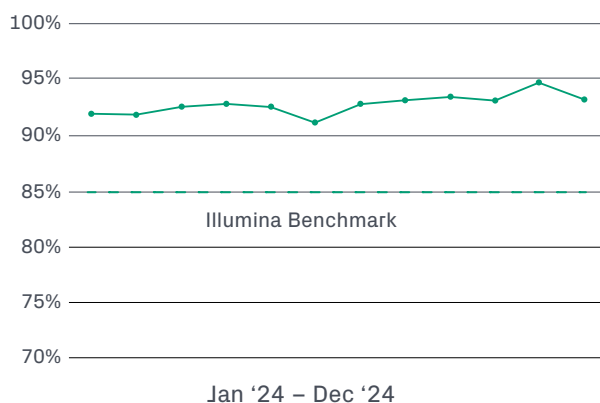
# Next Generation Sequencing Data Quality



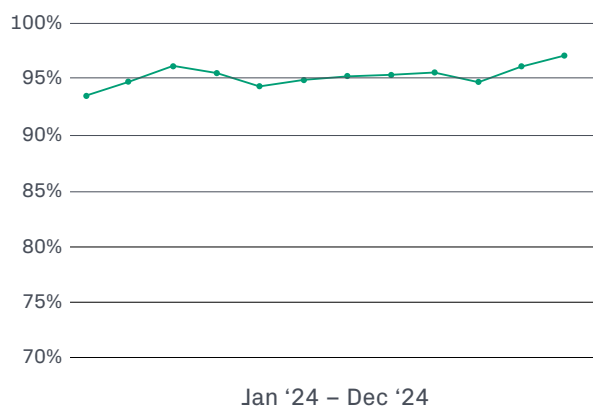
GENEWIZ from Azenta Life Sciences next generation sequencing (NGS) services deliver an **unmatched combination of quality, reliability, and expertise**. We have spent years optimizing our processes to deliver the highest-quality results that meet your budget and deadline.

## Consistent High-Quality Results

Average %  $\geq$ Q30 across all NGS projects far exceed Illumina® benchmarks

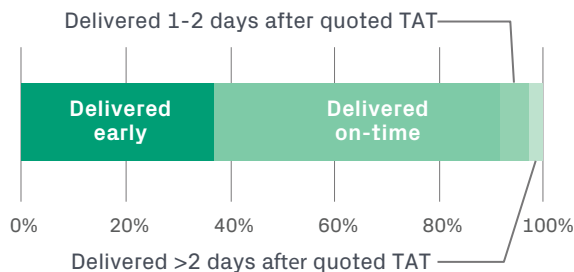


Average % mapping rate across all NGS projects

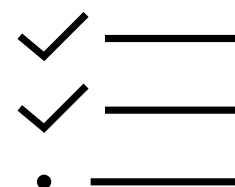


## Reliable On-Time Delivery

One of the **highest on-time delivery rates** in the industry



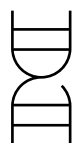
**Real-time updates** from Ph.D.-level project managers delivered to your online account



## Proven Expertise, Definitive Insights

Driven by our unparalleled technical expertise, our NGS services utilize the latest cutting-edge technologies to ensure you receive the most reliable data for your research.

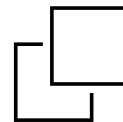
Average Data Quality (2024):



**>93%**  
 $\geq$ Q30 base calls



**>95%**  
mapping rate to reference



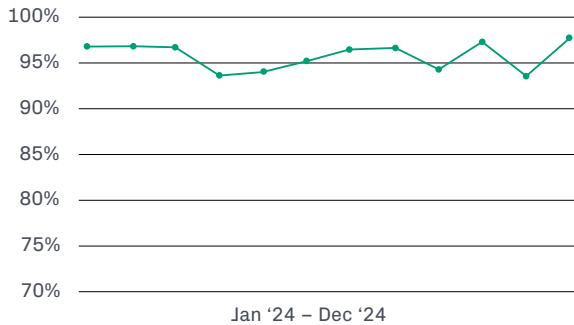
**<30%**  
duplication rate

# Next Generation Sequencing Data Quality

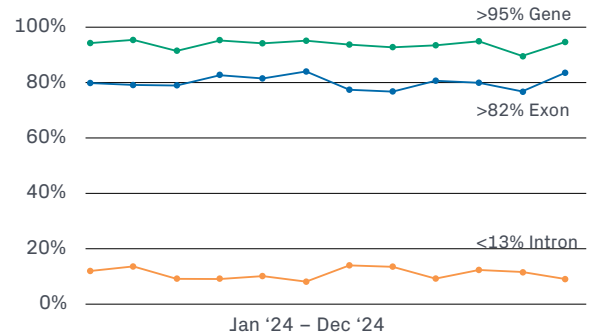


## RNA Sequencing

Average % reads successfully mapped to reference transcriptome

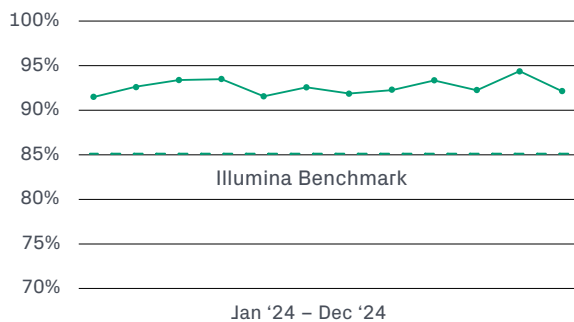


Average exon and intron mapping rates reveal high percentage of reads aligned to exons

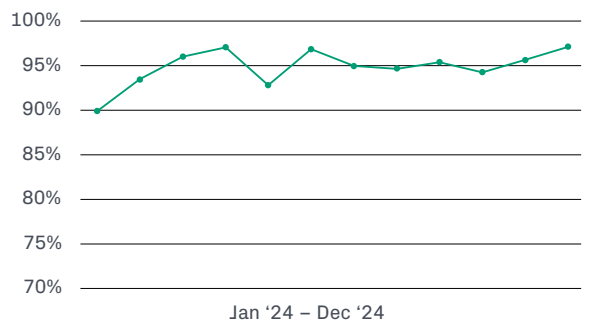


## Whole Genome Sequencing

Average %  $\geq$ Q30 across WGS projects

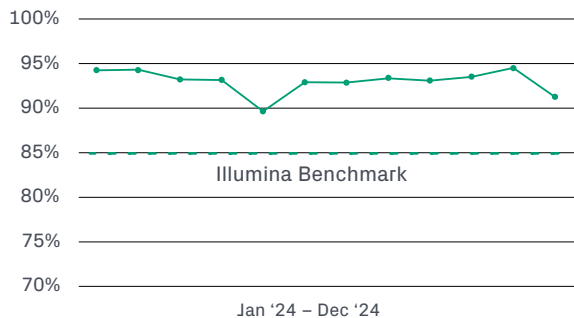


Average % reads successfully mapped to reference genome



## Whole Exome Sequencing

Average %  $\geq$ Q30 across WES projects



Average % reads successfully mapped to reference genome

