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Make NGS easier and more affordable for more labs

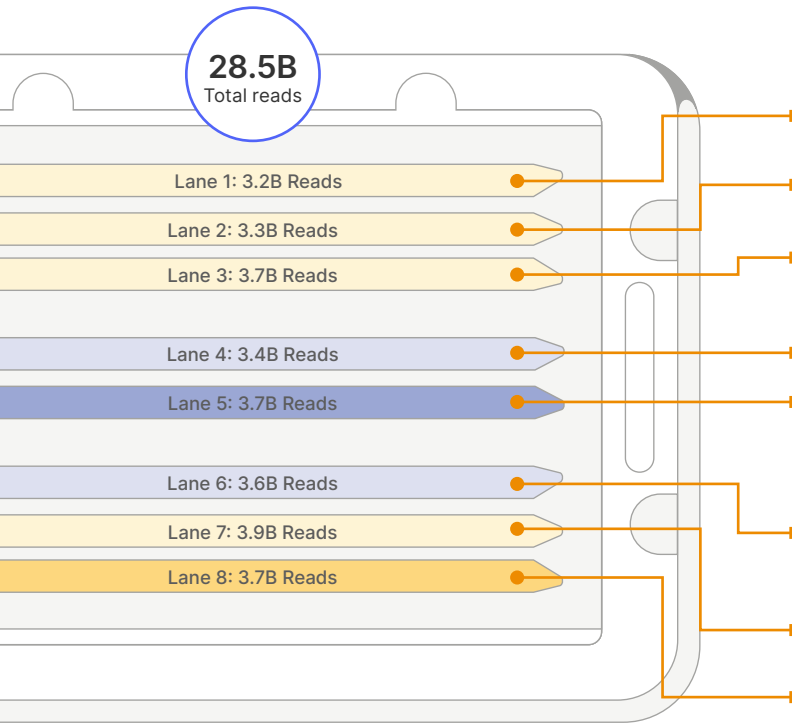
The Indiana University Genomics Core achieves high-quality, cost-effective runs with the NovaSeq™ X Series and 25B flow cells to maximize the number of labs they can service.

> **We have been combining samples from multiple projects and users on the same large run on the NovaSeq X Series with a 10B or 25B flow cell. This is much more affordable and acceptable to a lot of our customers."**

Hongyu Gao, PhD
Associate Scientist, Indiana University Genomics Core

Flow cell formula: more projects and answers on the same lab budget

By batching sequencing runs and maximizing the capacity of each individually addressable lane regardless of library type, the Indiana University Genomics Core increases cost savings to make NGS accessible for more labs without sacrificing quality or performance.



12 library types on 1 flow cell

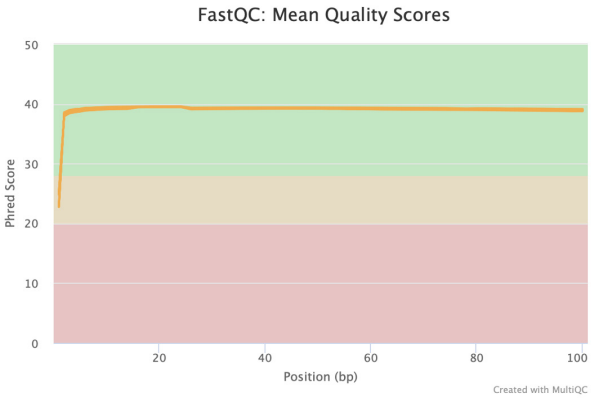
- 10x Genomics Visium HD, 10x Genomics Visium CytAssist v2, 10x Genomics Flex Gene Expression, 140 pM, 5% PhiX
- 10x Genomics Visium HD, 10x Genomics Visium CytAssist v2, 10x Genomics FLEX Gene Expression, 140 pM, 5% PhiX
- 10x Genomics FLEX Gene Expression, 140 pM, 15% PhiX
- Illumina Stranded mRNA, Illumina Stranded Total RNA, 115 pM, 1% PhiX
- User-made libraries, single-cell CITE-Seq, 150 pM, 1% PhiX
- Takara SMARTer Stranded Total RNA-Seq Kit - Pico Input, Custom libraries (amplicons, low complexity), 120 pM, 1% PhiX
- User-made libraries, snRNA-Seq, 10x Genomics GEM-X Single Cell 3' Kit, 150 pM, 1% PhiX
- Illumina DNA PCR-Free Prep, 150 pM, 1% PhiX

High-quality sequencing data across library types

The Indiana University Genomics Core team sequenced 12 different experiments across 8 lanes.With the simplified and proven optimization process of the 25B flow cell and the NovaSeq X Series, you too can help your customers achieve high-quality performance regardless of library type.

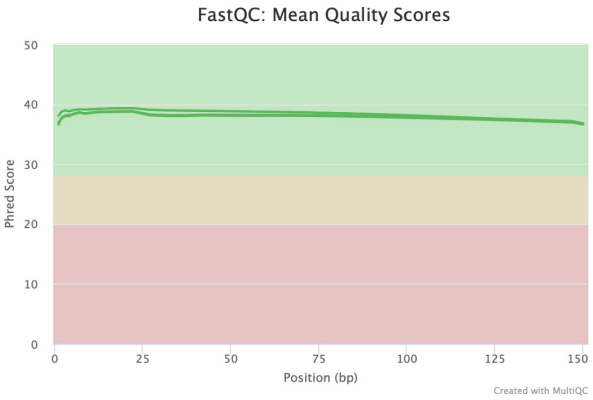
Mean quality scores for example libraries

Illumina Stranded mRNA libraries



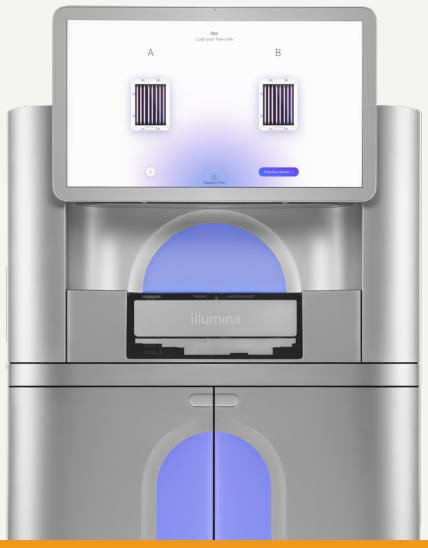
Mean quality scores for example libraries

Illumina PCR-free WGS libraries



> **We always provide multiple options to our customers on sequencing platforms and flow cells. Most will choose the more cost-effective option unless a project is time sensitive or not suitable to combine with other projects."**

Hongyu Gao, PhD
Associate Scientist,
Indiana University Genomics Core



Greater flow cell flexibility leads to easier, cost-effective, accessible NGS

Thanks to the flexibility and dependable performance of the 25B flow cell on the NovaSeq X Series, the Indiana University Genomics Core can enable different types of research on a single platform in a single flow cell. By optimizing each individually addressable lane, your lab can make NGS easier, more accessible, and increasingly cost effective for more labs.

Learn how to maximize performance, simplify NGS, and leverage the flexibility of the NovaSeq X Series.

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