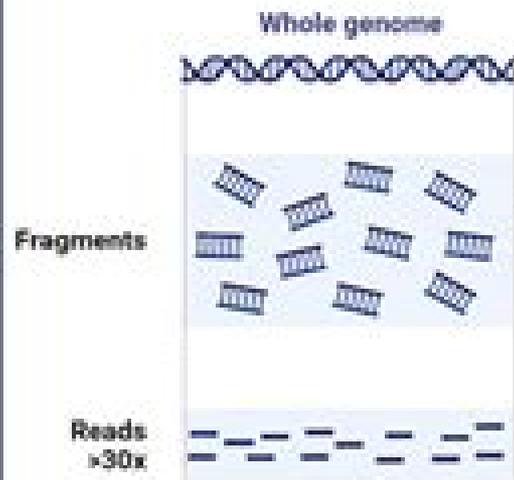


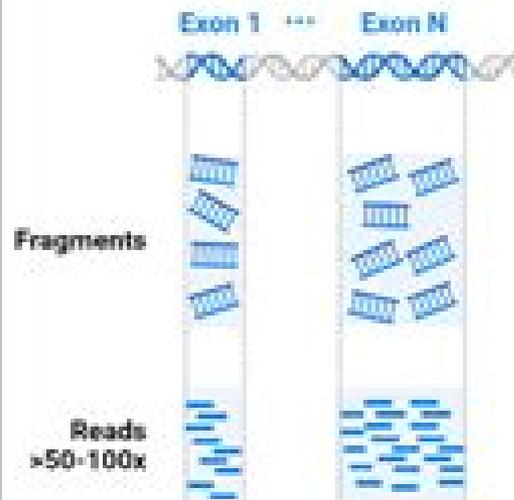
Next Generation Sequencing

Genome Sequencing



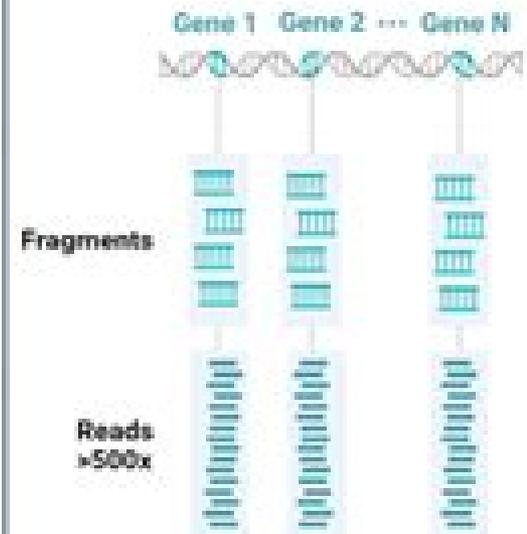
Coverage: All genes and non-coding DNA
Accuracy: Low
Time: Longest turnaround time
Cost: Most expensive
Depth: >30X

Exome Sequencing



Coverage: Entire exome (20-25k genes)
Accuracy: Good
Time: Long turnaround time
Cost: Cost-effective
Depth: >50-100X

Targeted Gene Panel



Coverage: 10-500 genes
Accuracy: High
Time: Rapid turnaround time (few days)
Cost: Most cost-effective
Depth: >500X

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Karin Nielsen-Saines



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