



Whole-genome sequencing services without compromise.

Proven Illumina technology. Proven sequencing providers. That's the Illumina Genome Network. Your source for certified, experienced sequencing service, at a price that works for you.

## How far you've come.

The proof is in the publications. With Illumina sequencing, our customers published more than 1,600 peer-reviewed papers—in just four years. Accelerating future genetic analysis studies.

## How far you can go.

Solutions to empower the future of genomics. To take your studies further. Faster. Ever increasing accuracy. Lower cost per genome. Streamlined data analysis. Feel the excitement that comes from knowing the previously unknowable. Be the first. That's what we call Genetic Energy™.

[www.illumina.com/portfolio](http://www.illumina.com/portfolio)



# A sequencer for every need. Every budget. Every lab.

Wherever you want your research to go, we're ready to help you get there.

### WORLDWIDE HEADQUARTERS

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### FOR RESEARCH USE ONLY

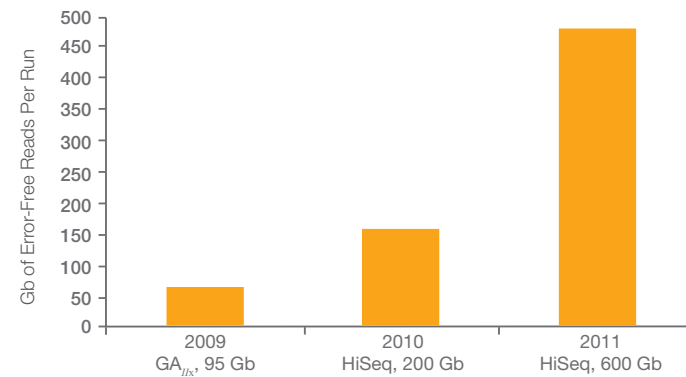
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Every Illumina sequencer is powered by TruSeq — the technology that delivers the most accurate human genome at any coverage. The highest percentage and yield of error-free reads. The highest yield of high-quality bases (with quality scores  $\geq$  Q30). The data quality to drive your discoveries and confidence in your results.

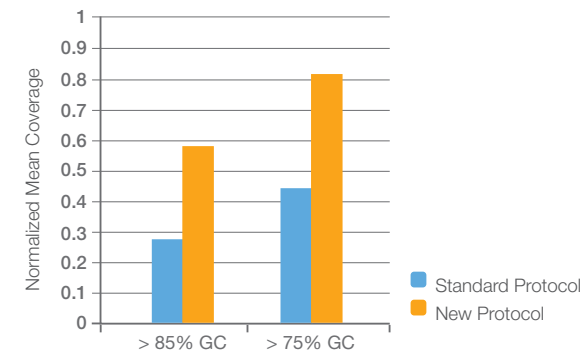


### The highest yield of error-free reads.



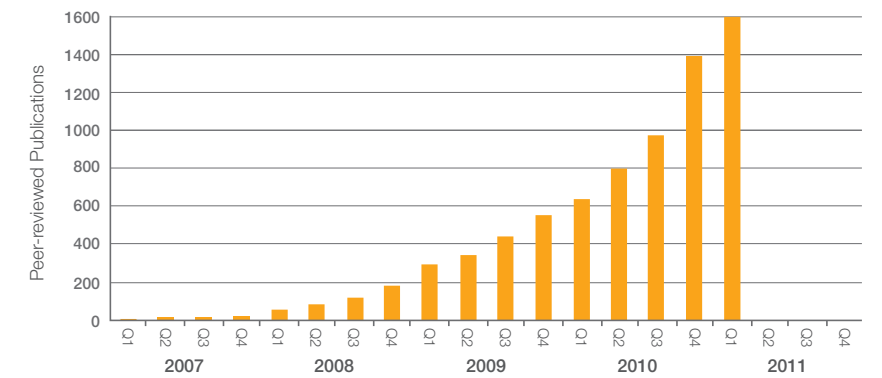
Bars indicate output of error-free reads in gigabase per run of particular system configuration. Error-free reads range from 71% of GA<sub>IIx</sub> outputs to  $\geq$  80% of HiSeq output per run.

### The most uniform coverage.



TruSeq v3 cluster-generation chemistry for the HiSeq systems improves Illumina's industry-leading coverage uniformity, providing better coverage of GC-rich regions and maintaining coverage uniformity at higher cluster densities.

### The greatest number of publications.



Illumina sequencers have generated the data used in more than 1,600 published papers in just four years.

From the power of the HiSeq 2000 to the speed of MiSeq, Illumina has the sequencer that's just right for you. All delivering the highest quality data. Simplified processes. Minimized hands-on time.



	HiSeq™ 2000 Redefining the trajectory of sequencing.	HiSeq™ 1000 Powerful. Flexible. Scalable.	HiScan™ SQ Two proven technologies. One powerful platform.	Genome Analyzer <sub>IIx</sub> The most widely cited platform.	MiSeq™ My samples. My study. MiSeq.
Output (Gb)	Up to 600	Up to 300	Up to 150	95	> 1
Yield of error-free data (Gb)	400 – 480	200 – 240	100 – 120	67	> 0.8
Single-end reads	2.5 – 3 Billion	1.3 – 1.5 Billion	600 – 750 Million	320 Million	3.4 Million
Paired-end reads	5 – 6 Billion	2.5 – 3 Billion	1.2 – 1.5 Billion	640 Million	6.8 Million
Required input	50 ng with Nextera™ 100 ng – 1 µg with TruSeq	50 ng with Nextera 100 ng – 1 µg with TruSeq	50 ng with Nextera 100 ng – 1 µg with TruSeq	50 ng with Nextera 100 ng – 1 µg with TruSeq	50 ng with Nextera 100 ng – 1 µg with TruSeq
Read length	2 x 100 bp	2 x 100 bp	2 x 100 bp	2 x 150 bp	2 x 150 bp
Applications supported	Genome, epigenome, transcriptome	Genome, epigenome, transcriptome	Genome, epigenome, transcriptome	Genome, epigenome, transcriptome	Amplicon, small genome, clone checking