

SEQUENCING PLATFORM	READ LENGTH (bp)	RUN TIME	ADVANTAGES	DRAWBACKS	YEAR
Sanger	Upto 1000bp	Less than 2hrs	Long individual reads	Expensive cost per base	1977
Illumina	75-300bp (paired end)	3days	Low cost and low error rate	Long run time	2006
Ion Torrent	200-400bp (single end)	Less than 2hrs	Short run time and less expensive equipment	High error rate than Illumina	2010
Pacific Biosciences	Up to 40kb (single end or circular consensus)	20mins to 3hrs	Long read length and fast run time	High error rate at the read level	2010
Oxford Nanopore	Variable: depending on library prep (1D or 2D reads)	Less than 6hrs	Long reads and low cost USB device	High error rate at the read level	2014