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Abstract: ONT @ Microsynth

Third-generation sequencing promised to revolutionize how biological questions are asked and answered, and the depth and breadth of detail achievable. With the introduction of the V14 chemistry and R10 flow cells by Oxford Nanopore Technologies (ONT), this promise is being tested at scale. Microsynth AG included ONT products in its pipelines as early as 2016 with the introduction of the R9 nanopore. Since 2019, Microsynth has been working to scale up nanopore technologies from academic to industrial use and applications. The introduction of the R10 nanopore in 2021 significantly improved sequencing quality, consistency, and reproducibility, enabling the technology to be widely used to answer questions from basic research to product quality control. Microsynth AG is continuously developing novel pipelines from isolation to bioinformatics to cover projects from amplicons to whole eukaryotic genomes, from gene editing to methylation studies.

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