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Qiagen expands NGS portfolio with launch of QIAseq xHYB long read panels

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Enables high-resolution analysis of complex genomic regions using long-read sequencing



Qiagen has announced the launch of its new QIAseq xHYB Long Read Panels, a suite of target enrichment solutions designed to unlock long-read sequencing of genomically complex regions.

This new offering strengthens Qiagen's position as a provider of differentiated solutions for use on any next-generation sequencing (NGS) platforms spanning both short- and long-read technologies.

The new Qiagen panels are optimized for use with native long-read platforms, including from PacBio (NASDAQ: PACB), and designed to enable researchers to capture a broader spectrum of genomic variation. Applications include HLA typing, repeat expansion analysis, and the detection of structural variants – areas where short-read sequencing have been shown to have challenges.

The launch comes as long-read sequencing gains momentum in areas such as translational and clinical research. Unlike synthetic long-read or short-read technologies, native long-read sequencing provides greater insight into complex genomic regions designed to improve accuracy in haplotype phasing, repeat detection and variant resolution.

Qiagen's expanded portfolio now allows researchers to choose between short- and long-read sequencing – or combine them – depending on their sample type and research objectives. Qiagen's end-to-end NGS solutions empower genomic discovery across research and clinical settings. The portfolio integrates robust extraction kits and instruments for diverse and challenging sample types with dedicated target enrichment panels and streamlined library preparation and quality control automation.