10x Genomics Selects Kapa Biosystems as a Reagents Supplier for the GemCode Platform

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10x Genomics and Kapa Biosystems today announced that Kapa's DNA library preparation reagents have been incorporated into the GemCode Platform, enabling a more streamlined workflow generating high quality sequencing data.

The GemCode Platform is a unique molecular barcoding and analysis platform that consists of instrumentation, reagents and software to generate a new data type: Linked-Reads, which deliver long range information, including haplotype phasing, structural variation, and other critical genomic information from DNA inputs as low as 1ng. Kapa Biosystems uses a proprietary directed evolution technology platform to engineer enzymes for the specific performance and functional requirements of next-generation sequencing (NGS) sample preparation. The GemCode Platform incorporates both the KAPA Hyper Prep Kit and KAPA HiFi DNA Polymerase in the library construction process to enable high-efficiency adapter ligation and low-bias library amplification.

"One of the most powerful attributes of the GemCode Platform is that it integrates with the large installed base of existing short read sequencers to generate genomic data that preserve long range information," said Kevin Ness, CTO of 10x Genomics. "It was a straightforward decision to include Kapa Biosystems in the GemCode Platform based on the positive performance experienced by existing sequencing customers along with our own internal evaluation."

"Kapa is excited to be working with 10x Genomics and recognizes the value of using Linked-Reads for determining structural variation and haplotype information, which is not possible with current short read sequencers," said John Foskett, CTO of Kapa Biosystems. "Our high-efficiency library preparation reagents are designed to meet the performance requirements of demanding new applications. These products are an ideal fit for the GemCode Platform."

For more information, please visit 10xgenomics.com and KapaBiosystems.com.

About Kapa Biosystems

Kapa Biosystems is a life science reagents supplier that employs proprietary, directed-evolution technologies to optimize enzymes for next-generation sequencing (NGS), PCR and real-time PCR applications. Kapa Biosystems offers a portfolio of best-in-class products containing novel enzymes that confer significant performance advantages when compared to traditional wild-type enzymes. The company is based in Wilmington, Massachusetts, with a research, development, and manufacturing facility in Cape Town, South Africa. For more information, please visit www.kapabiosystems.com.

KAPA is a trademark of Kapa Biosystems. Kapa Biosystems' products are for Research Use Only; not for use in diagnostic procedures.

About 10x Genomics

10x Genomics is changing the definition of sequencing by providing an innovative genomics platform that dramatically upgrades the capabilities of existing short read sequencers. The Company does this through a combination of elegant microfluidics, chemistry and bioinformatics. With the GemCode Platform, researchers can now find structural variants, haplotypes, and other valuable long range information while leveraging existing sequencing workflows.

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