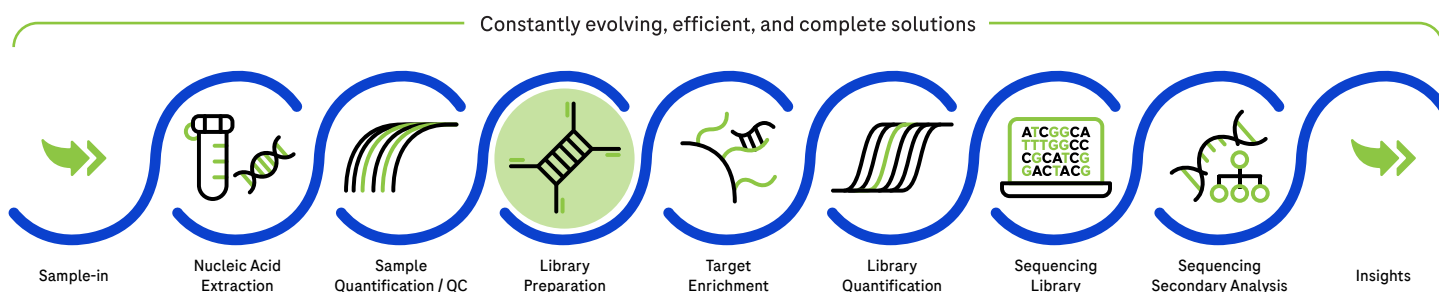


KAPA EvoAmp ReadyMix powered by HiFi

Precision amplified, reliability defined.

Experience exceptional uniformity across the GC range and reliable amplification, even with challenging inputs and GC content. Designed for ease and efficiency, **KAPA EvoAmp ReadyMix powered by HiFi** streamlines your workflow with automation-friendly liquid handling and ample reagent overage while integrating effortlessly into KAPA EvoPrep Boost, KAPA EvoPlus Boost, and KAPA HyperCap Evolved workflows. Unlock new levels of consistency and precision in sensitive library preparation with **KAPA EvoAmp ReadyMix powered by HiFi**.

- **Maximize sequencing efficiency** by ensuring **high uniformity** and **fewer dropouts** in difficult regions with an **optimized low-bias PCR mix**
- Enhance **result confidence** with **reduced wasted reads** by **lowering error rates** and **increasing yields**
- **Streamline workflows** with convenient, **ready-to-use reagents**, sufficient overage, and **larger reaction packs** optimized for **automation**
- Witness **high performance** NGS library preparation and target enrichment using the KAPA EvoAmp ReadyMix **seamlessly integrated** in the KAPA EvoPrep Boost, KAPA EvoPlus Boost and KAPA HyperCap Workflows



Optimize NGS library amplification with a low-bias PCR mix

- Increase **result confidence** and **sequencing economies** by utilizing a purpose-engineered low bias PCR-mix
- **Minimize amplification bias** and deliver exceptionally high DNA library yields

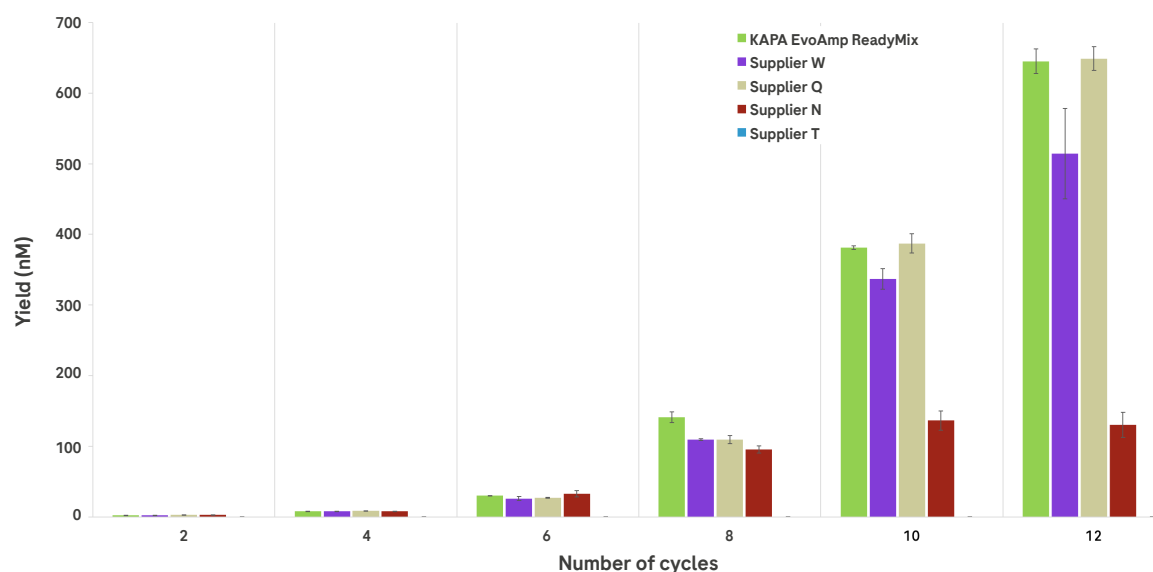
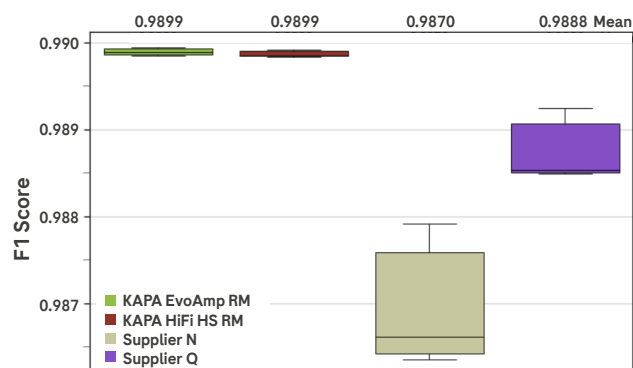


Figure 1. Maximize post-amplification yields, minimize number of cycles with KAPA EvoAmp ReadyMix powered by HiFi. Whole genome sequencing DNA libraries (10 ng Human genomic DNA, NA12878) were prepared using the KAPA EvoPrep Boost Kit and amplified with either KAPA EvoAmp ReadyMix or Supplier N, Supplier Q, Supplier T and Supplier W PCR mixes. DNA Libraries amplified with KAPA EvoAmp ReadyMix consistently deliver exceptionally high post-amplification DNA library yields across varying cycle counts.

Achieve higher fidelity with reduced error rates

- **Unlock more information** from your sample with an optimized NGS library amplification PCR-mix
- Accurately identifying true variants, while **minimizing false positives and false negatives**
- Increase **result confidence** and ensure robust, balanced, and **accurate variant-calling**

A. Single Nucleotide Polymorphisms (SNPs)



B. Insertions/Deletions (InDels)

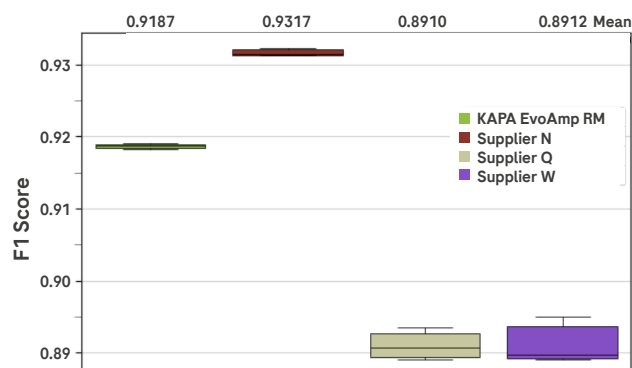
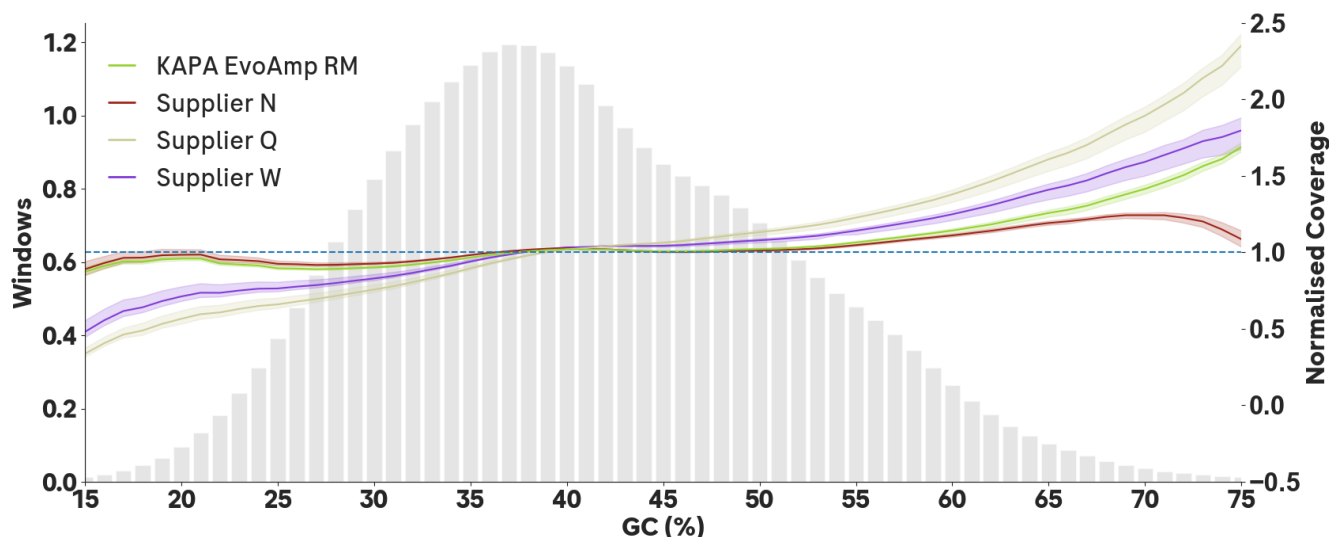


Figure 2. High precision and recall rates for reliable variant calling with KAPA EvoAmp ReadyMix powered by HiFi. A higher F1 score in variant calling indicates a better balance between precision and recall, reflecting the overall effectiveness of the variant-calling method. This allows researchers to focus on biologically meaningful findings rather than errors. Whole genome sequencing DNA libraries (10 ng Human genomic DNA, NA12878) were prepared using the KAPA EvoPrep Boost Kit and amplified with either KAPA EvoAmp ReadyMix or Supplier N, Supplier Q and Supplier W PCR mixes. (A) KAPA EvoAmp ReadyMix exhibits high SNP detection accuracy with low variability. (B) KAPA EvoAmp ReadyMix exhibits high consistency for Insertions/Deletions (InDels) detection accuracy.

Experience exceptional coverage uniformity with minimized GC bias

- Improves **sequencing efficiency** by achieving more **uniform amplification** across the GC% spectrum
- Reduces under-sequenced and over-sequenced regions, ensuring balanced and **accurate sequencing**
- Increases **result confidence** and enhances **sequencing economies**

A



B

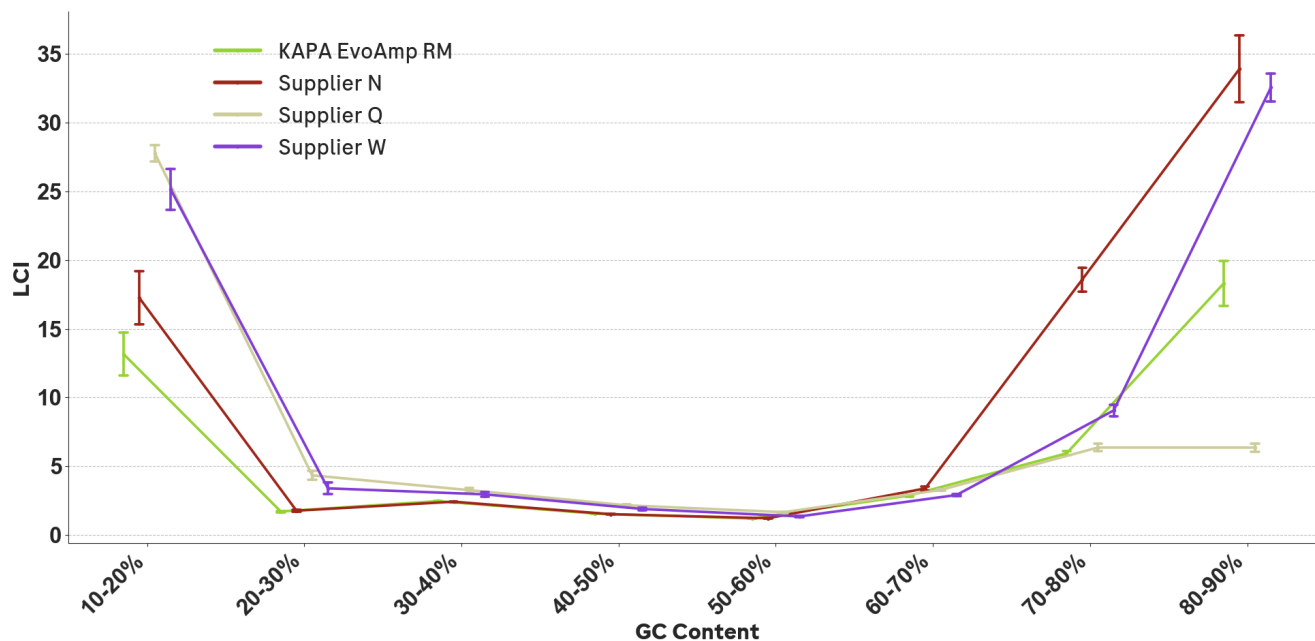


Figure 3. High amplification uniformity with lower dropout of difficult regions with KAPA EvoAmp ReadyMix powered by HiFi. KAPA EvoAmp ReadyMix improves the library preparation process by addressing a critical challenge in Next-Generation Sequencing (NGS) workflows: achieving uniform coverage across the genome or targeted regions. Coverage uniformity is vital for ensuring that all regions of the DNA sample are represented consistently during sequencing, which directly contributes to reliable and accurate results. Whole genome sequencing DNA libraries (10 ng Human genomic DNA, NA12878) were prepared using the KAPA EvoPrep Boost Kit and amplified with either KAPA EvoAmp ReadyMix or Supplier N, Supplier Q and Supplier W PCR mixes. (A) Low amplification bias with the KAPA EvoAmp ReadyMix resulting in uniform coverage across the human genome. (B) KAPA EvoAmp ReadyMix reduces low coverage areas across the entire GC spectrum.

Ordering Information

Roche Cat. No	Description	Kit size	Format
10613556001	KAPA EvoAmp RM pwd by HiFi (24rxn)*	24 reactions	Tube
10613572001	KAPA EvoAmp RM pwd by HiFi (96rxn)*	96 reactions	Bottle
10613599001	KAPA EvoAmp RM pwd by HiFi (384rxn)*	384 reactions	Bottle
07958994001	KAPA Library Amplification Primer Mix (250rxn)	250 reactions	Tube
09420410001	KAPA Library Amplification Primer Mix (384rxn)	384 reactions	Bottle
09420479001	KAPA Library Amp Primer Mix 96-well plate (96rxn)	96 reactions	Plate

* KAPA Library Amplification Primer Mix (10X) not included, sold separately

For additional pack sizes, please contact your local Roche representative.



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