

Hybridization Capture for Twist (Standard Hyb v2)



Best-In-Class Enrichment, Simplified For Every Lab

The **Hybridization Capture for Twist (Standard v2) App** on Callisto delivers high-performance hybridization capture using Twist Bioscience's trusted chemistry—fully automated from input libraries to enriched, PCR ready libraries.

Harness the power of Twist's hybrid capture chemistry with Callisto's walk-away platform for unmatched performance and simplicity.

Benefits

- **Consistent Performance:** Callisto handles hybridization, heated washes with reproducible enrichment results.
- **Uniform Coverage:** Ensure balanced enrichment across all GC regions.
- **Simpler workflow:** A simpler capture workflow that anyone in the lab can run.

App specifications

Input: **500 ng - 1.5 µg DNA libraries**

Output: **Enriched libraries ready for PCR**

Hands-on time: **Less than 30 minutes**

Callisto Processing Time: **18 hours**

Throughput: **4 - 24 rxns in a single run**

Multiplexing: **Flexible, 1-8 libraries**

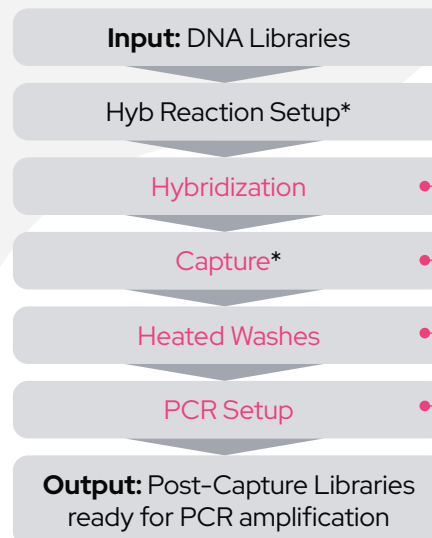
Panel Size: **0.2 MB to 36 MB**

Chemistry: **Twist Standard Hybridization Kit v2**



The Callisto™ Sample Prep System provides walk-away extraction and library prep that speeds up and simplifies both short- and long-read sequencing preparations. Callisto significantly reduces hands-on time and plastic waste, enabling under-resourced labs to maximize resources.

Workflow steps



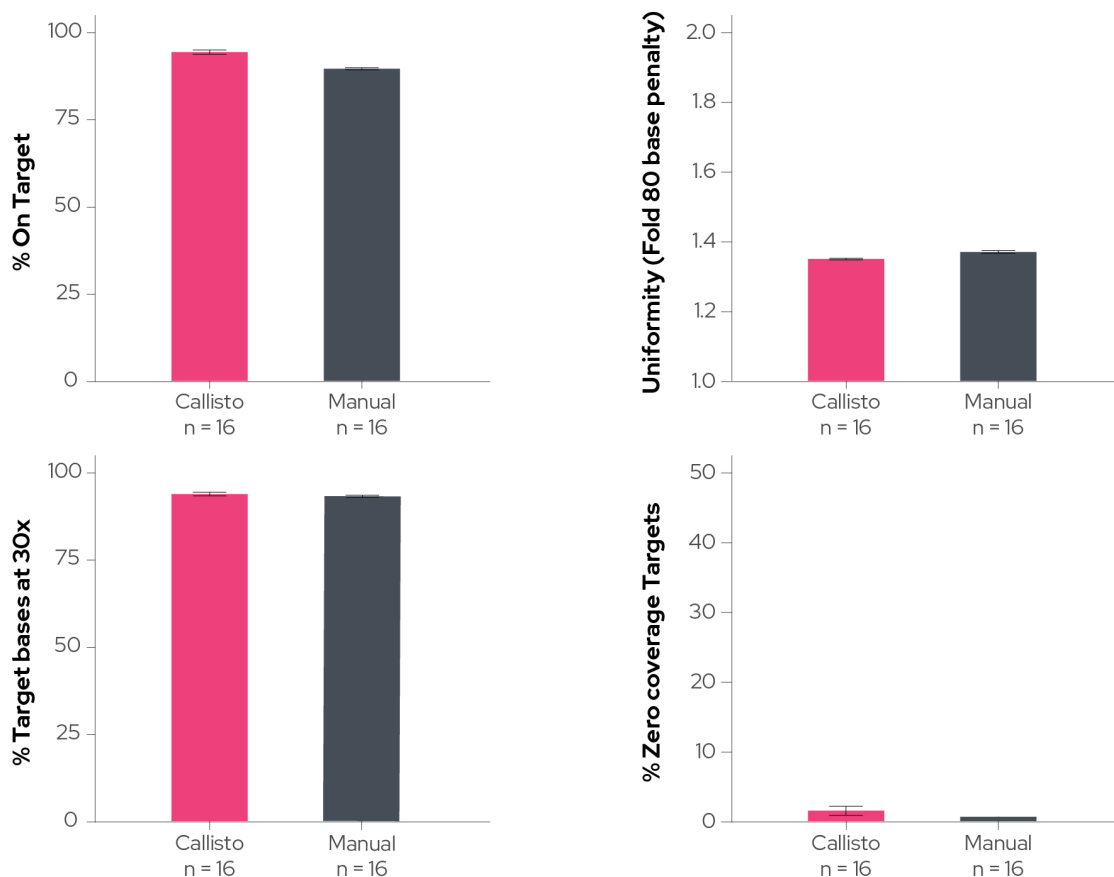
Walk-away processing on Callisto

*Load Volta consumables



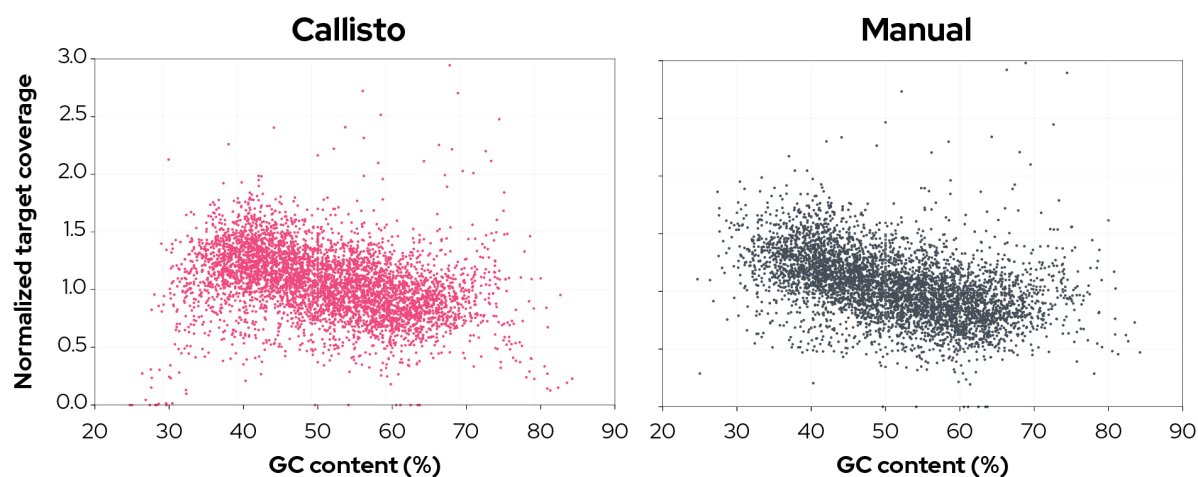
High Quality Sequencing Metrics

Callisto delivers high uniformity and on-target rates comparable or better than the manual workflow. The data presented here is using the Twist Exome 2.0 panel downsampled to 50 M reads.



Uniform Coverage Across Targets

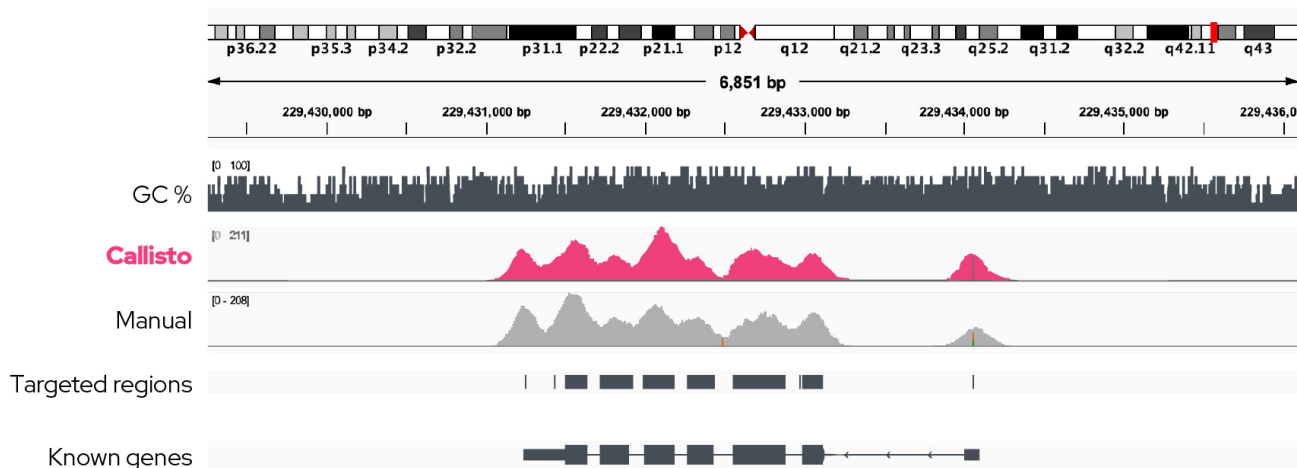
Callisto delivers unbiased coverage across a wide range of GC contents on par with manually processed samples. The data presented here uses the Twist Exome 2.0 panel.



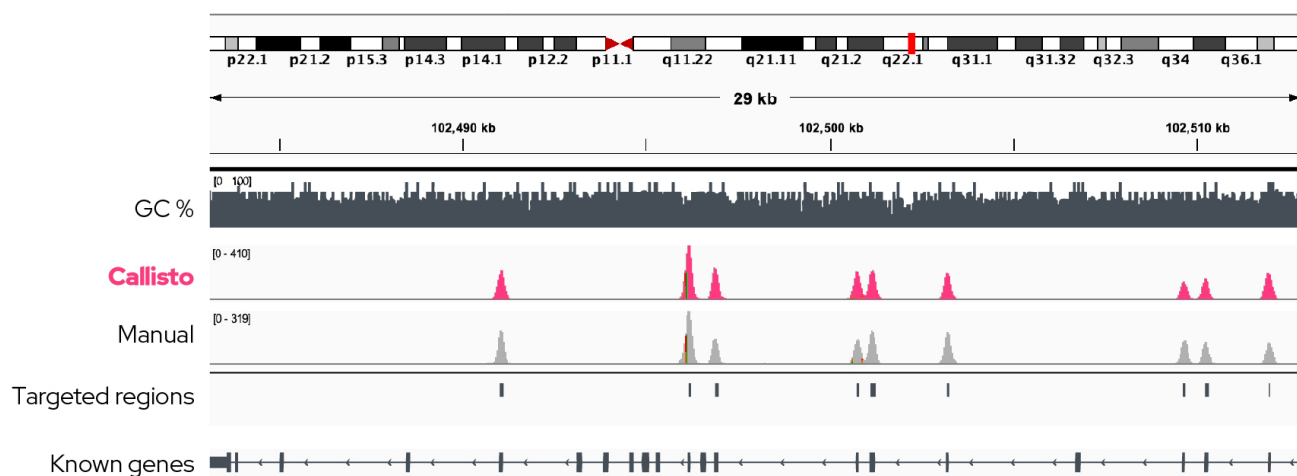
Excellent Target Coverage For Difficult To Capture Regions (Acta1 and Rasa4b Exon)

ACTA1 and RASA4B are select examples of difficult to capture genes that are systematically undercovered. Hybridization capture on Callisto yields high depth of coverage in these gene regions of interest, with minimal or no dropouts for both high GC and low GC regions.

ACTA1



RASA4B



Ordering information



Part number	Product	Description
C0001	Callisto™ Sample Prep System	Sample prep instrument
HC0004	Hybridization Capture for Twist (Standard v2) - 12 rxns Accessory Kit	Accessory Kit for 12 reactions

HC0004 does not include Twist reagents, which should be purchased directly from Twist Bioscience*.

Please contact sales@voltalabs.co to purchase, or scan the QR code to learn more



Part number	Product	Description
105561	Twist Standard Hyb and Wash Kit v2 with Amp Mix, 96 rxn	Twist Bioscience*
100767	Twist Universal Blockers, 96 rxn	Twist Bioscience*
100984	Twist Binding and Purification Beads, 96 rxn	Twist Bioscience*
N/A	Twist Hybridization Capture Panels	Twist Bioscience*

*Please contact Twist Bioscience directly to purchase these reagents.

Simply contact sales@twistbioscience.com for more information, or learn more at [twistbioscience.com/products/ngs](https://www.twistbioscience.com/products/ngs)



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