

# Twist Applications Lab

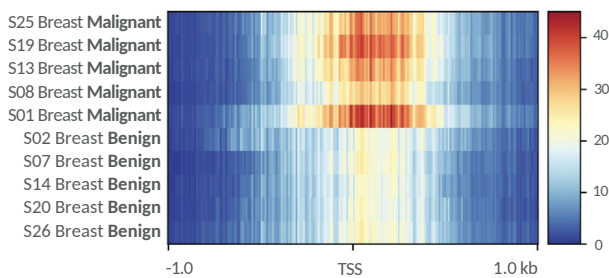
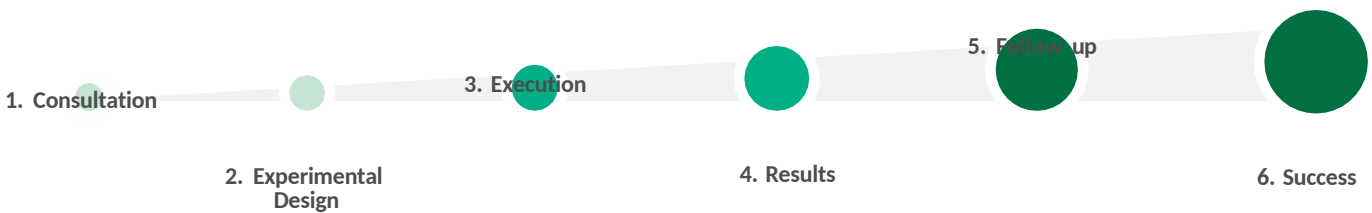
## Accelerate your Research: Tailored Solutions for your Unique Needs from Start to Finish

Twist Bioscience is renowned for its innovative synthetic DNA technology, enabling the creation of high-quality, custom-designed DNA sequences. This technology forms the foundation of our NGS products and end-to-end white glove services offering unparalleled expertise to conduct rapid proof of concept studies, assay optimization, and validation experiments. In the Twist Applications Lab we recognize that every research project is unique. Our team works closely with researchers to understand their specific requirements and challenges, providing customized solutions to help meet the diverse needs of the scientific community.

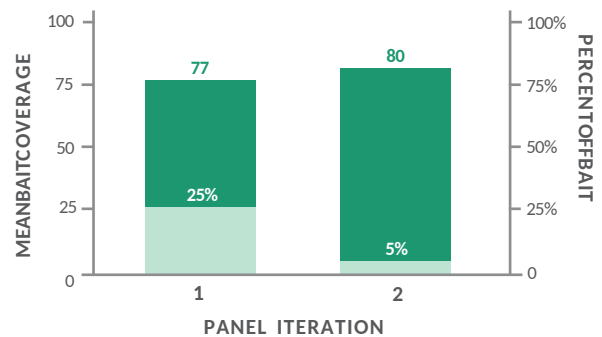
### SERVICE OFFERINGS

- **Proof of Concept Pilot:** Functional experiment performed with high quality control material to generate proof of concept data
- **Lab Services:** Full experimental design with custom samples and analysis options designed to your assay specifications
- **Troubleshooting:** Advanced services to help solve unique experimental or analytical assay development problems
- **Bioinformatic Analysis:** Consultative analysis services for various applications DNA, RNA, and methylation datasets

## Twist can help accelerate your custom panel design process by providing high-quality data efficiently in a streamlined workflow



**Figure Description:** Twist Alliance Pan-Cancer Methylation Panel was run to support the research of matched malignant vs benign breast samples. We generated a clustered heat map showing the differences in methylation around transcription start sites (TSS) for genes targeted in the panel. These sites can then be used in further investigations.



**Figure Description:** See example dataset above where a custom panel was designed, tested, and iterated upon for increased performance. Testing was conducted on high quality genomic material using standard Twist procedures to ensure reproducibility of the data.

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