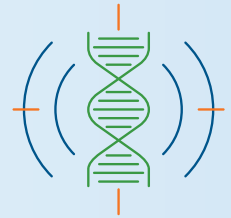


Enhance your variant discovery

with targeted NGS kits and laboratory services



Why myBaits® hybridization capture for targeted sequencing?



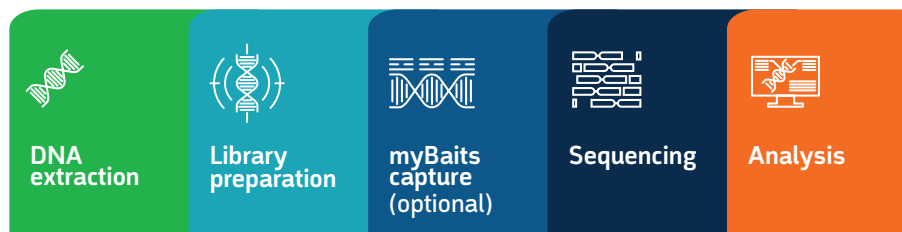
Efficient genotyping + discovery: Pair myBaits with standard or low-pass sequencing to facilitate genome-wide unbiased discovery while ensuring sufficient read coverage of important markers, genes, or QTLs.



Flexible and versatile: Unlike other targeted NGS methods, hyb capture can target any size genome region(s) without the need for extensive optimization, and is suitable even for highly complex or variable regions such as structural variants and other mutations.



High-end service without the premium price tag: Every myBaits design and myReads NGS service project is backed by comprehensive support from PhD-level scientists, ensuring your project's success and efficiency.



Featured myBaits + skim sequencing studies:



Single species: "Skim exome capture genotyping in wheat"

This study demonstrates that the myBaits Expert Wheat Exome Kit effectively captures highly multiplexed wheat library pools (from 12- to 1056-plex), enabling the generation of millions of high-quality genome-wide variants at a significantly lower cost using low-pass sequencing and imputation strategies.

Wang, H., Bernardo, A., St. Amand, P., Bai, G., Bowden, R. L., Guttieri, M. J., & Jordan, K. W. (2023). **Skim exome capture genotyping in wheat.** *The Plant Genome*, 16, e20381. <https://doi.org/10.1002/tpg2.20381>



Multiple species: "Developing Asparagaceae1726: An Asparagaceae-specific probe set"

This study evaluates a myBaits Custom Kit targeting over 1,700 low-copy nuclear genes in the Asparagaceae family, demonstrating that combining targeted sequences with plastome data through a "Hyb-Seq" approach significantly improves phylogenetic resolution.

Bentz, P. C., and J. Leebens-Mack. (2024). **Developing Asparagaceae1726: An Asparagaceae-specific probe set targeting 1726 loci for Hyb-Seq and phylogenomics in the family.** *Applications in Plant Sciences* 12(5): e11597. <https://doi.org/10.1002/aps3.11597>

Daicel Arbor Biosciences offers flexible, cost-effective solutions for targeted and whole genome sequencing to suit any plant or animal workflow.

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