



From Genotyping to Genome Graphs

- ▶ *No need for a reference genome: Perform genotyping at low cost for all species, including polyploids*
- ▶ *Identify traits linked to large structural variants and correlate them with expression data*
- ▶ *Build haplotype blocks or a genome graph to compare hundreds of varieties*

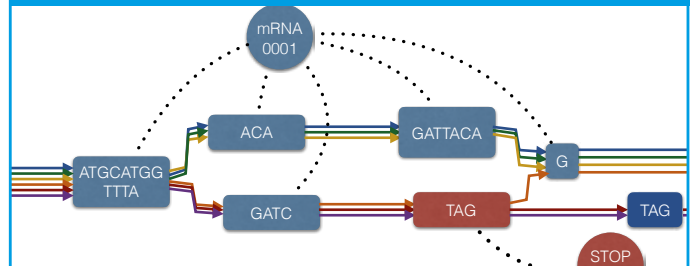
Computomics excels at genotyping crops both with array technologies and sequencing. We help our clients identify sets of genomic markers that include single nucleotide polymorphisms (SNPs), insertions and deletions (InDels), copy number variations (CNVs) or structural variants (SVs).

Our key deliverable is enabling you to derive value from the results we obtain. Insightful, interpretable visualizations are an integral part of our work. To compare different varieties, we build genome graph structures and display haplotype blocks for visual separation by phenotype.

Case Study

For a client, we called variants in over 400 lines of a polyploid crop and developed suitable markers for allele-specific PCR. For any project, we continuously perform all genotyping using the same, customized parameters. This makes results comparable and reproducible.

Visualizations



Contact Our Expert Scientist

Christoph is our expert on genotyping and genome graph visualization. Contact Christoph at cm@computomics.com for a free consultation about your genotyping project.



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