

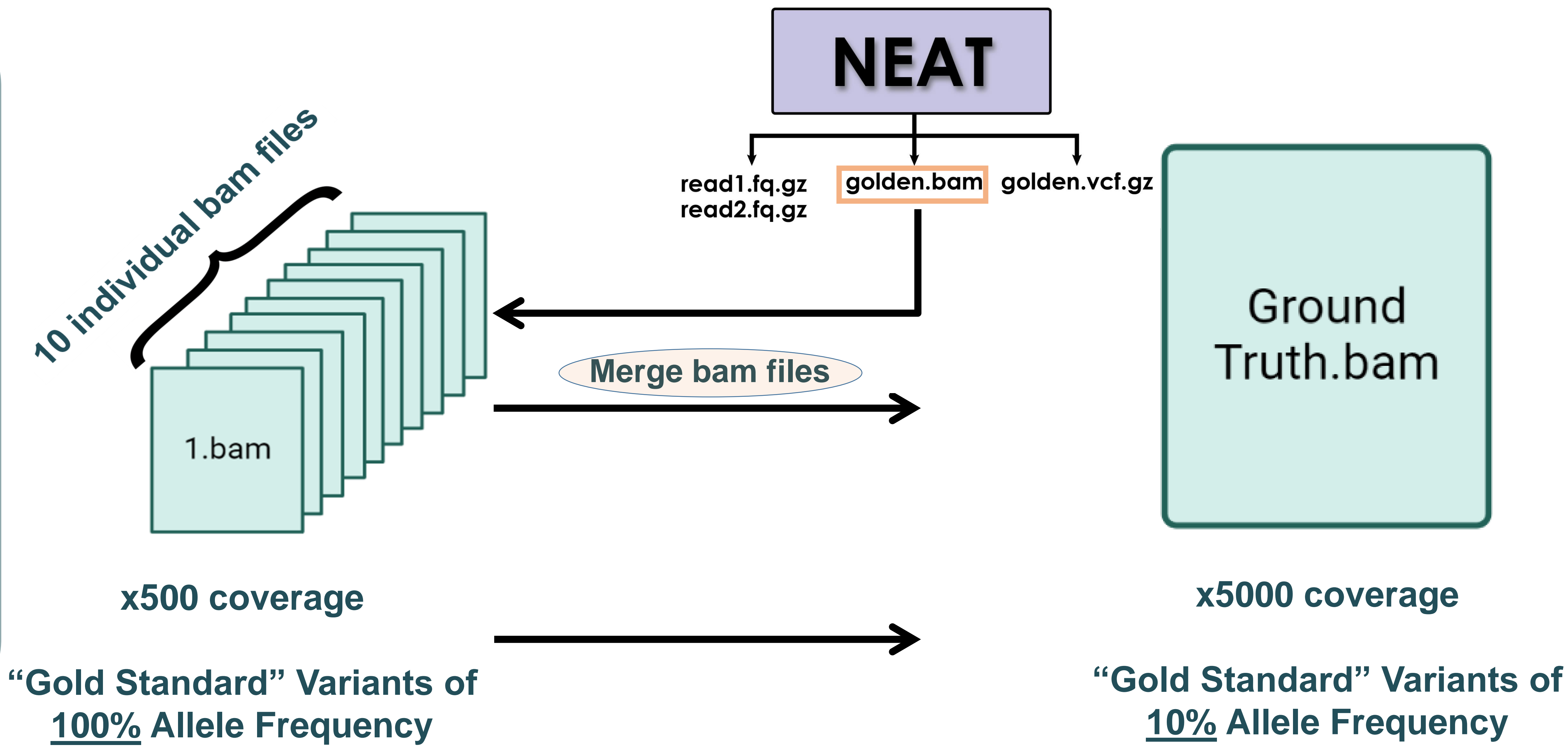
Synthetic Genomics Data Generation and Evaluation for the Use Case of Benchmarking Somatic Variant Calling Algorithms

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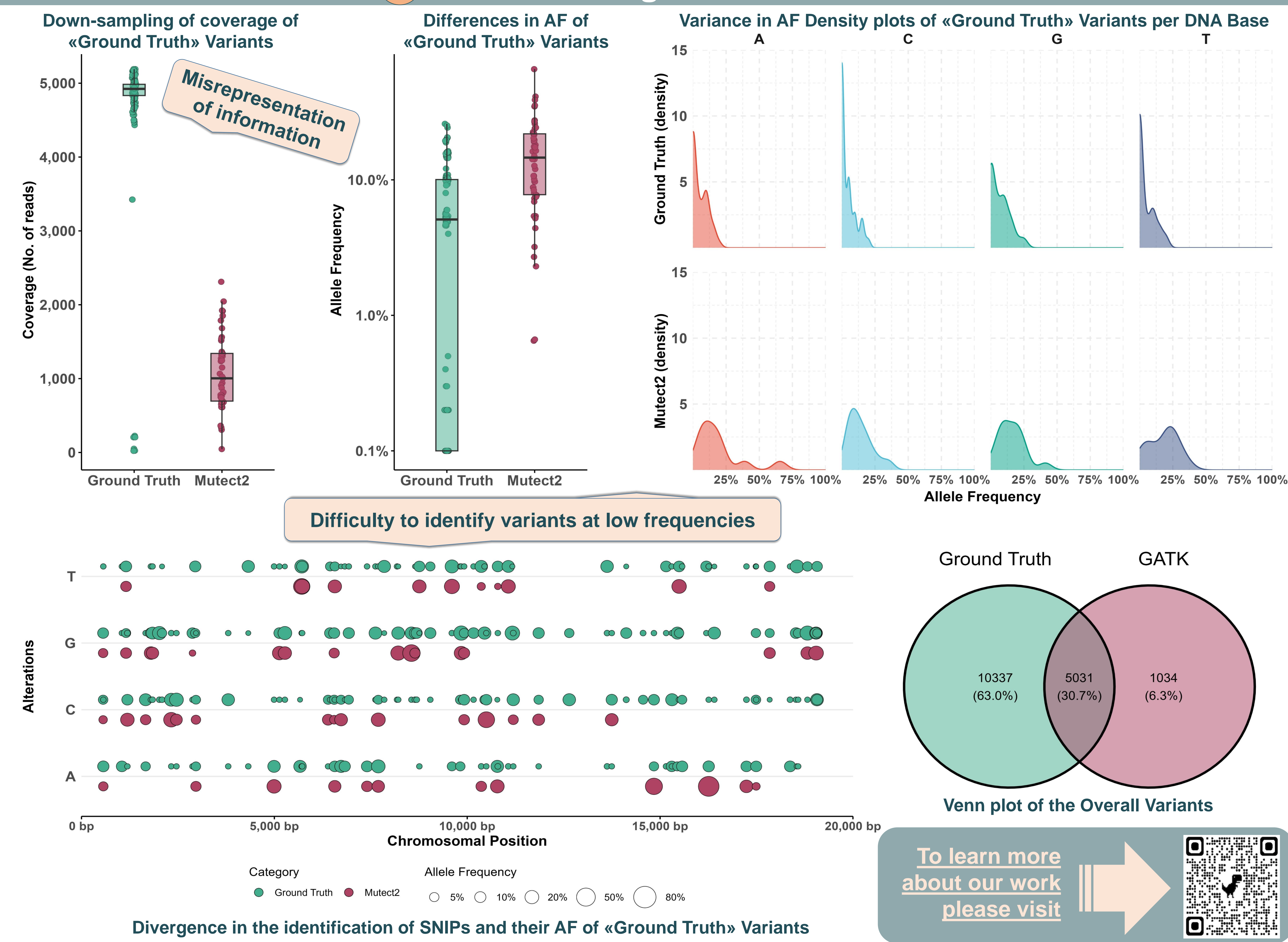
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1 Synthetic «Gold Standard» Dataset Generation

- Highlights
- Generation of **synthetic genomics** data based on *TP53* gene
 - Define «**Ground Truth**» SNIPs and INDELs in order to **benchmark** somatic variant callers
 - Investigate the impact of variant callers in variants at **low frequencies**



2 Benchmarking GATK-Mutect2



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