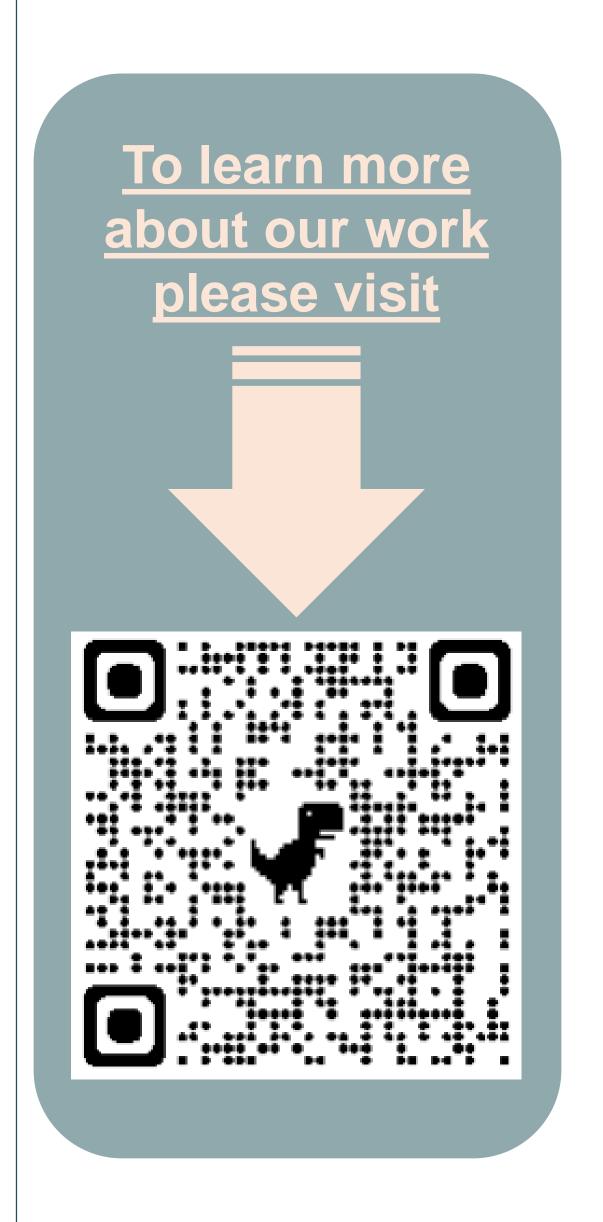
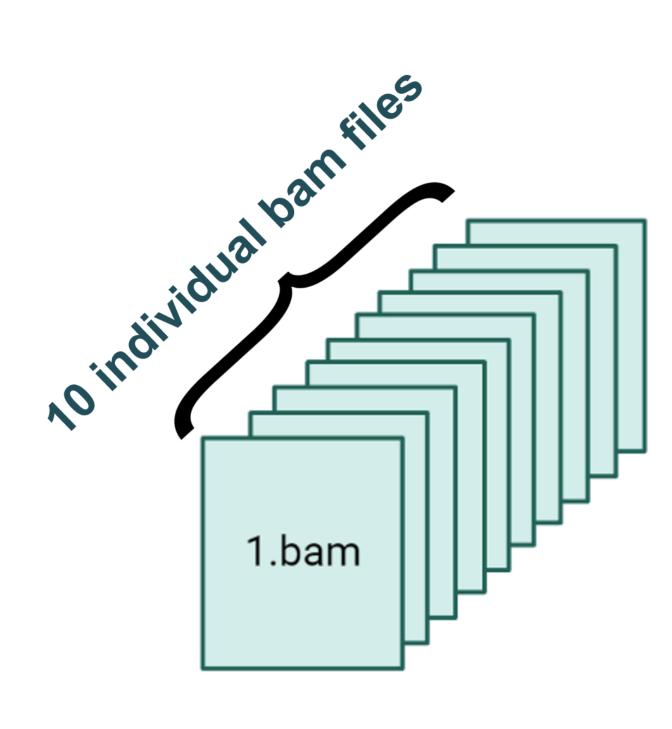
Synthetic Genomics Data Generation and Evaluation for the Use Case of Benchmarking Somatic Variant Calling Algorithms

Fragkouli Styliani-Christina^{1, 2}, Pechlivanis Nikos¹, Agathangelidis Andreas², Psomopoulos Fotis¹

¹Institute of Applied Biosciences, Centre of Research and Technology Hellas, Thermi, 57001, Thessaloniki, Greece ²Department of Biology, National and Kapodistrian University of Athens, Athens 10679, GR

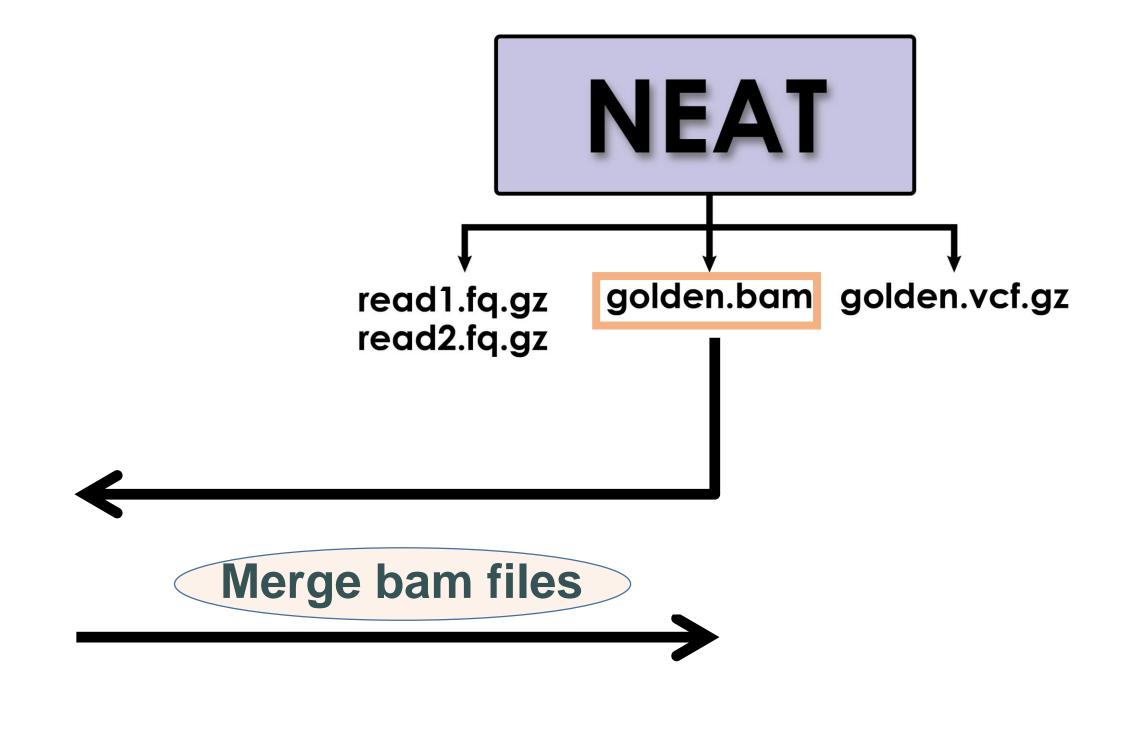
1 Synthetic «Gold Standard» Dataset Generation





x500 coverage

Gold Standard Mutations
of
100% Allele Frequency



Ground Truth.bam

x5000 coverage

Gold Standard Mutations of 10% Allele Frequency

2 Benchmarking GATK-Mutect2

