

Exploring the potential of adaptive sampling for *Plasmodium* WGS from blood samples

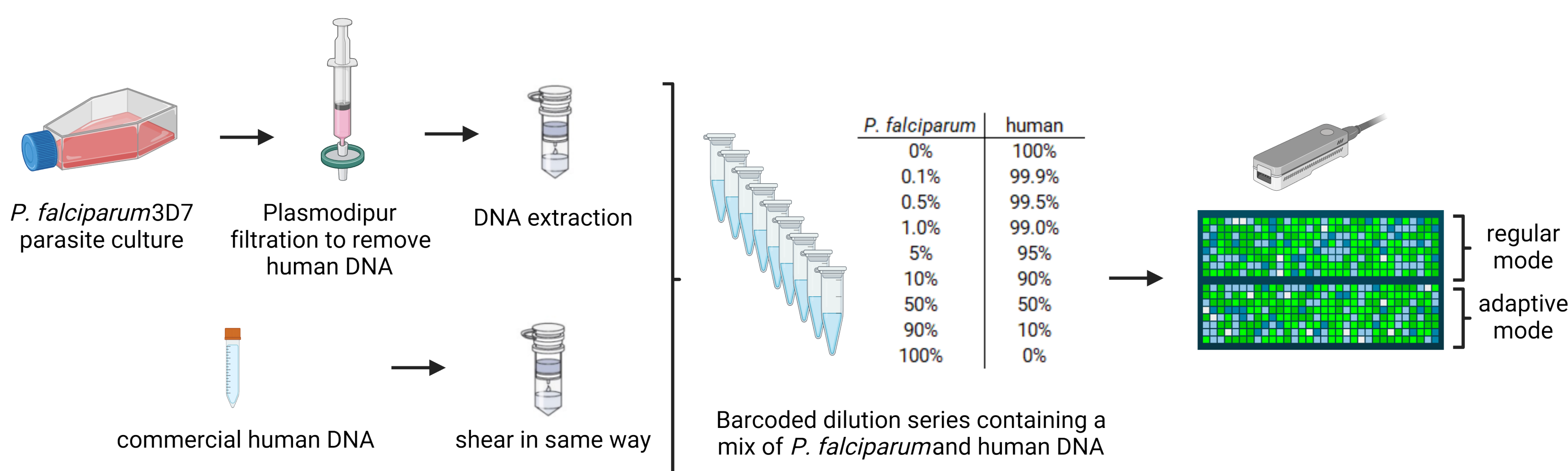
Wim Cuypers^{1*}, Katlijn De Meulenaere^{1,2*}, Anna Rosanas-Urgell², Kris Laukens¹, Bart Cuypers¹

1. Adrem Data Lab, Department of Computer Science, Antwerp, Belgium 2. Malariology Unit, Department of Biomedical Sciences, Institute of Tropical Medicine, Antwerp, Belgium | Correspondence: wim.cuypers@uantwerpen.be

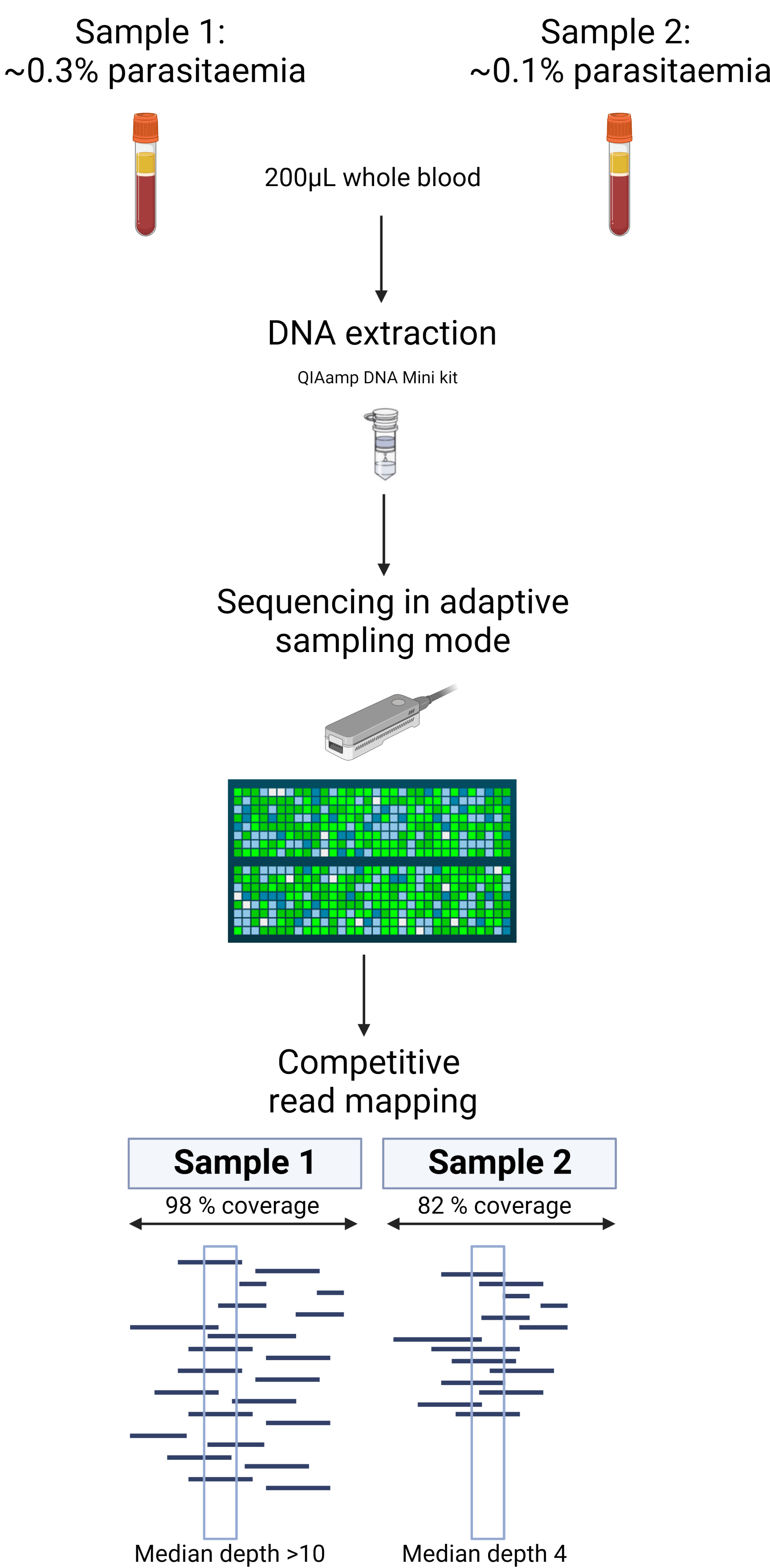
Adaptive sampling has the potential to replace more time-consuming protocols for *Plasmodium* WGS

Whole-genome sequencing (WGS) of *Plasmodium* parasites from human blood currently requires **time-consuming lab procedures** to filter out human DNA or enrich *Plasmodium* DNA. We investigated the potential of adaptive sampling to enrich for *Plasmodium* DNA while sequencing unenriched blood samples on a minION device.

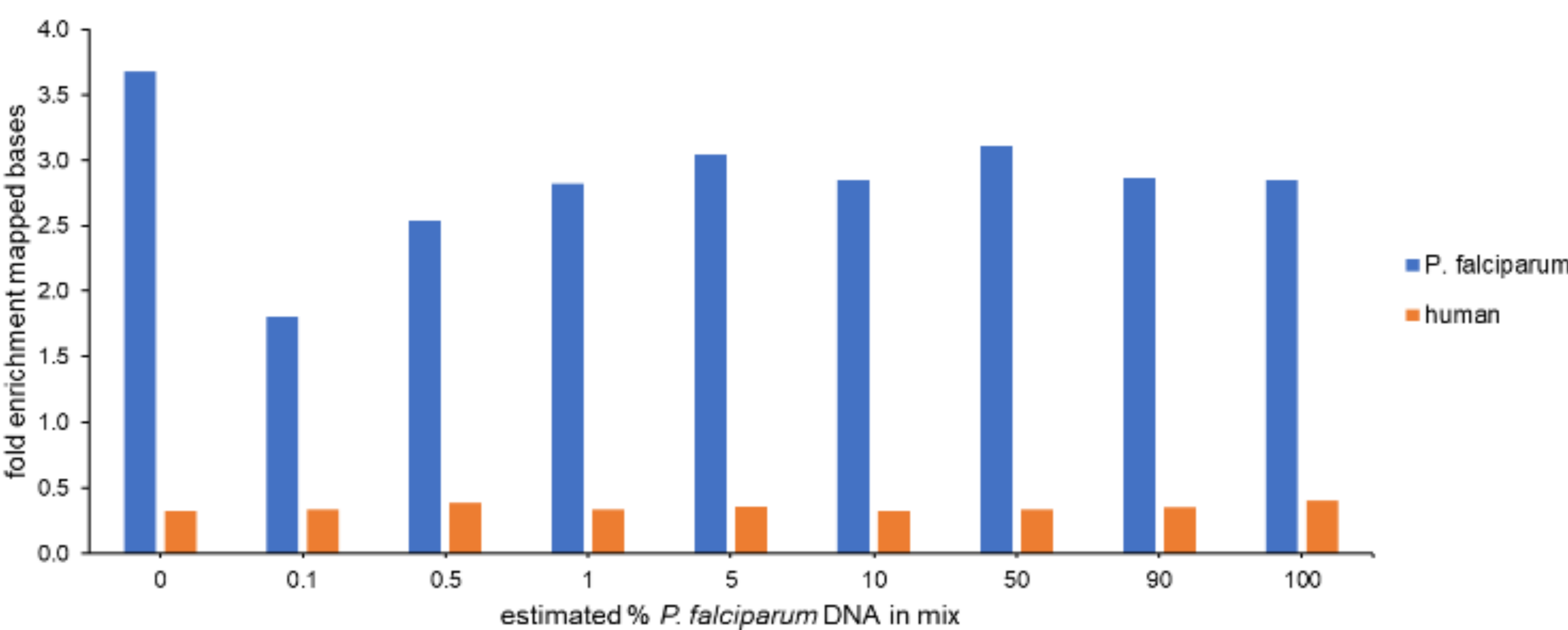
Pilot experiment on a dilution series (Kit 12)



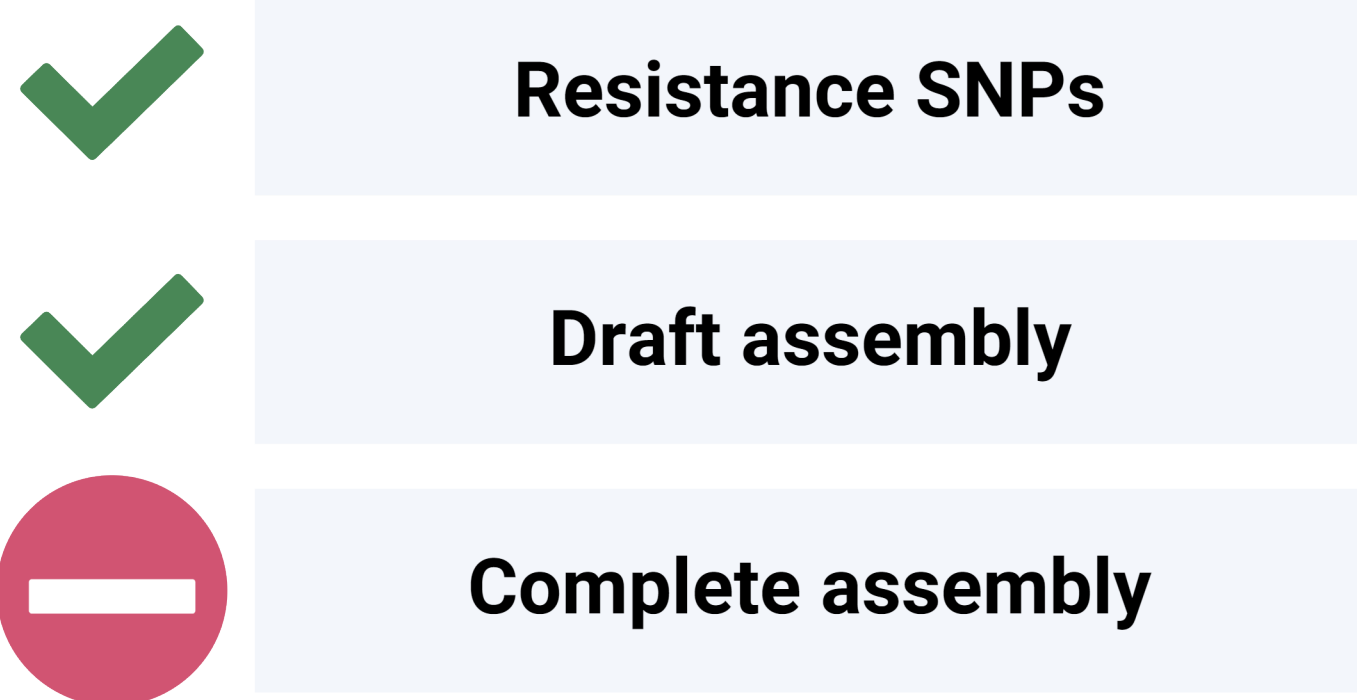
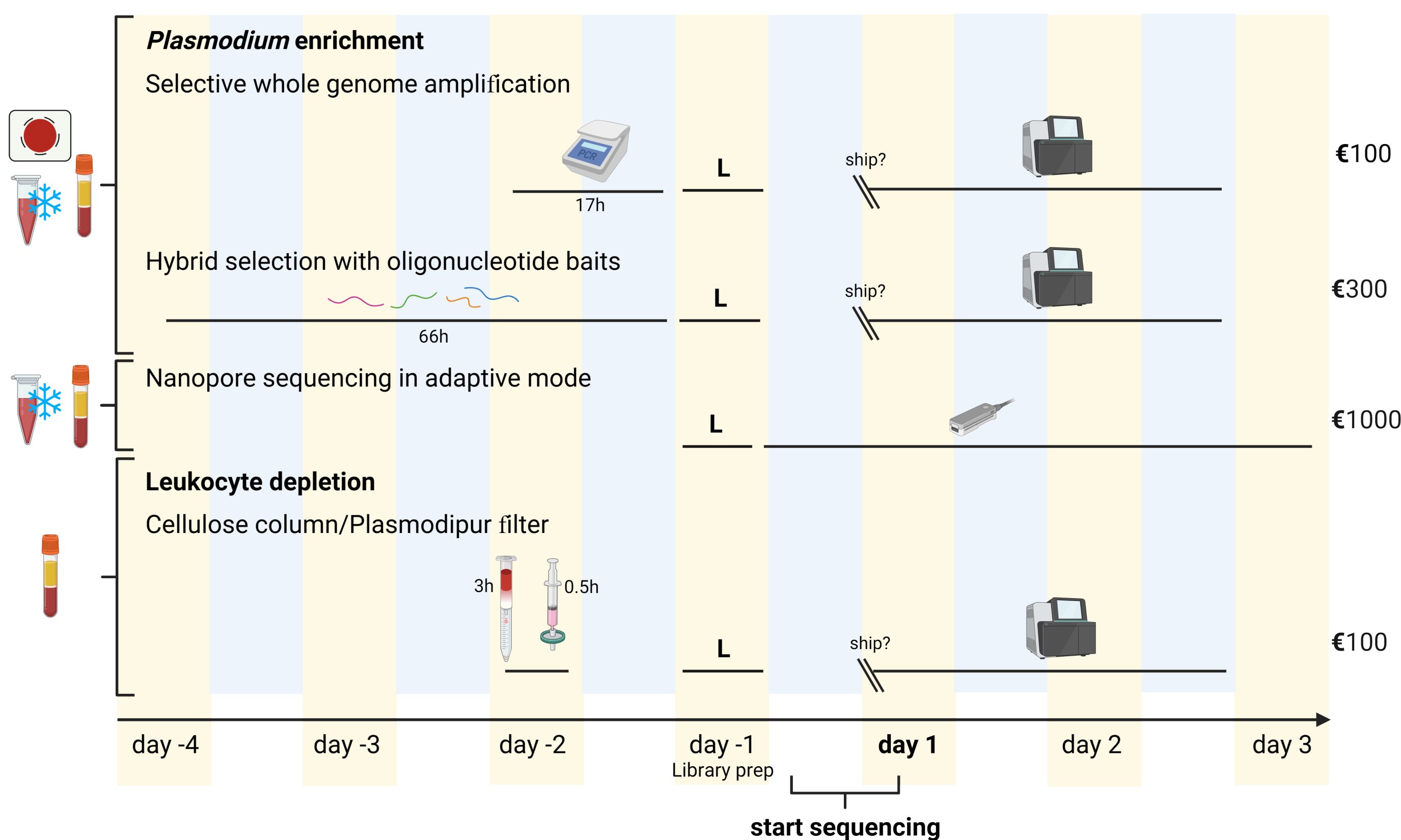
Direct sequencing of two blood samples (Kit 14)



Mean 2.7 fold enrichment of *P. falciparum* bases



Faster compared to existing but cheaper methods



Acknowledgements



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