

# SUPPLEMENTARY INFORMATION

## Robust continuous *in vitro* culture of the *Plasmodium cynomolgi* erythrocytic stages

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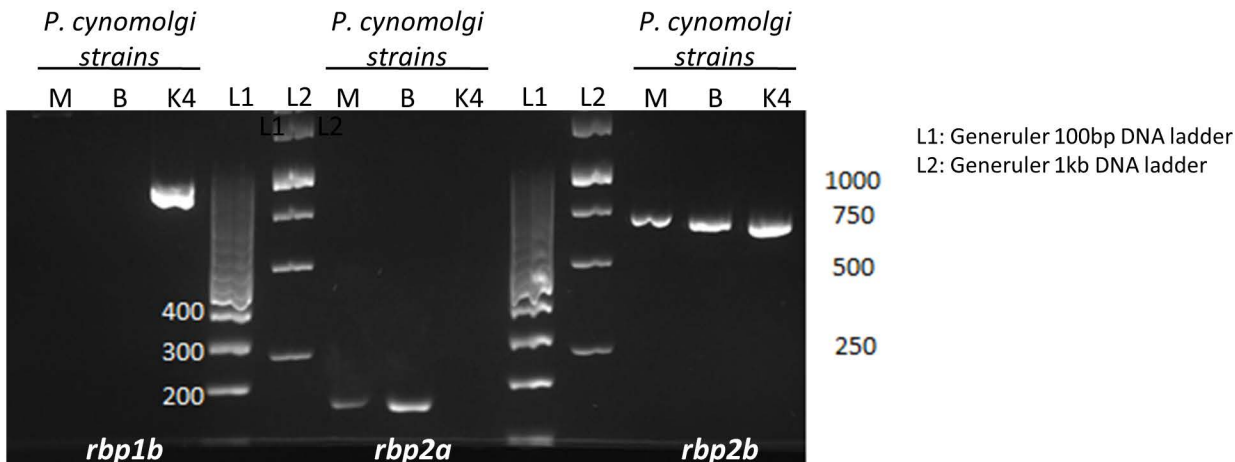
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Supplementary Figure 1

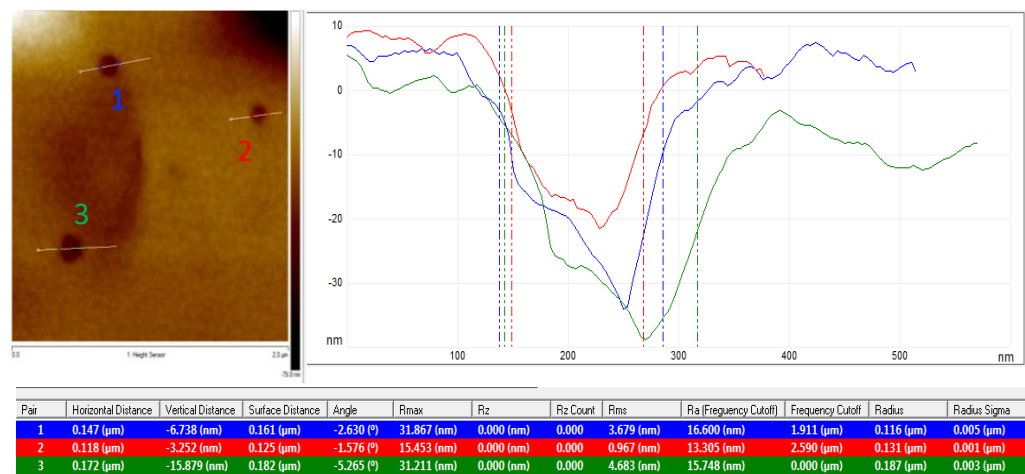
| Gene         | Strain     | Forward primer (5' → 3') | Reverse primer (5' → 3') | Product size (bp) |
|--------------|------------|--------------------------|--------------------------|-------------------|
| <i>rbp1b</i> | Berok (K4) | CGATAATTTGACAGCGGCGG     | GCCCTATATCGGGTTCTGCC     | 875               |
| <i>rbp2a</i> | B, M       | AATTGTTGACACACCAGAAGG    | ACAAACACCCAACCCAAAATC    | 149               |
| <i>rbp2b</i> | B, M       | TGGAAATAAACGCACCTTTGGACG | GGGGAGCCTGTTTGGTGAG      | 668               |
| <i>rbp2b</i> | Berok (K4) | CGCACTTTGGACGATTTTATGC   | GGGTACTTTTCGAGGGAGCC     | 670               |

| Gene         | M | B | Berok (K4) |
|--------------|---|---|------------|
| <i>rbp1b</i> | - | - | +          |
| <i>rbp2a</i> | + | + | -          |
| <i>rbp2b</i> | + | + | +          |



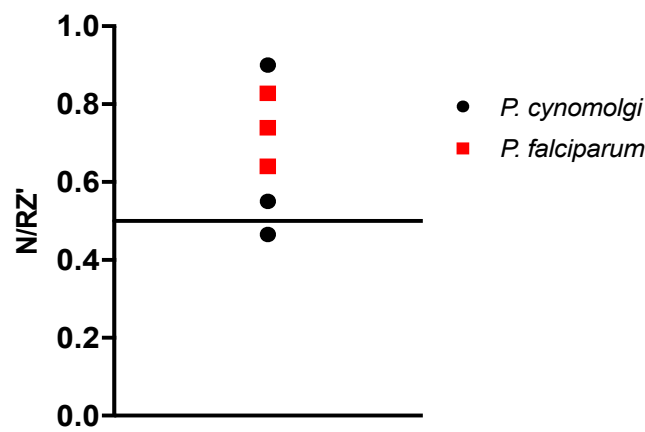
**Supplementary Figure 1.** Genotyping of the *reticulocyte binding protein* genes (*rbp1* and *rbp2*) in the continuous culture of *P. cynomolgi* Berok K4 strain.

Supplementary Figure 2



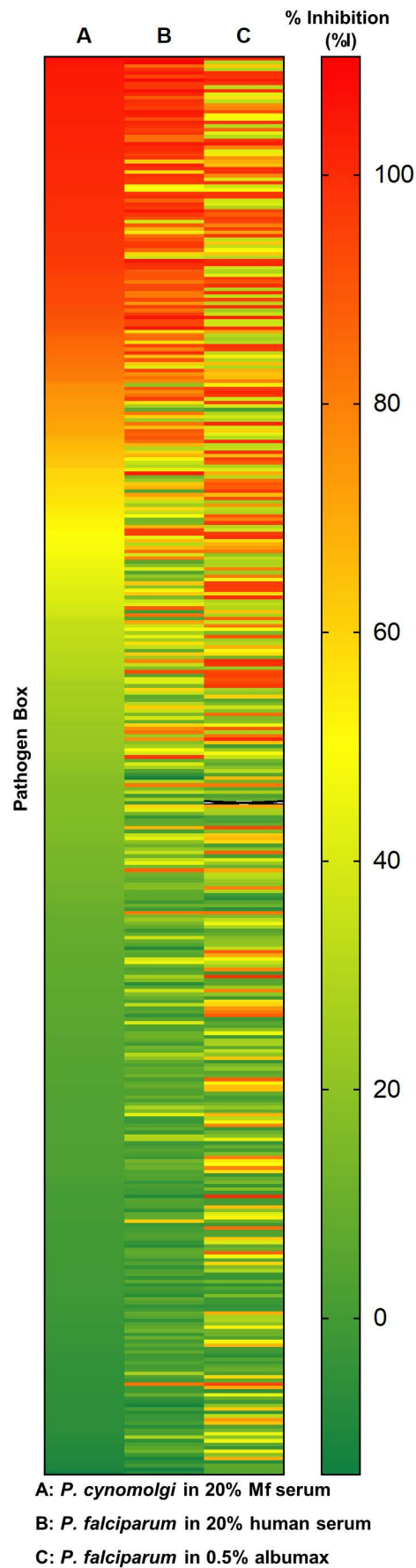
**Supplementary Figure 2.** Measurement of the diameter of the caveolae structures observed on the surface of the infected red blood cells of the continuous culture of *P. cynomolgi* Berok K4 strain by atomic force microscopy.

Supplementary Figure 3



**Supplementary Figure 3.** The robustness (Z' value) of the adapted SYBR green I proliferation assay for the continuous culture of *P. cynomolgi* Berok K4 strain was similar to the SYBR green I proliferation assay routinely used for *P. falciparum*.

Supplementary Figure 4



**Supplementary Figure 4.** Heat map showing percentage of inhibition across 400 compounds from the Pathogen Box. Antimalarial reference compounds from the Pathogen Box gave specific activity against *P. falciparum* and *P. cynomolgi* while reference compounds against different pathogens were inactive.