**Table S1.** Component loading for the PCA (Principal Component Analysis).

|  |  |  |  |
| --- | --- | --- | --- |
| **Component Loadings**  | **CR 1**  | **CR 2**  | **Uniqueness**  |
| **qPCR\_blood**  |  | 0.947  | - | 0.097  |
| **qPCR\_ct\_blood**  |  | -0.465  | -  | 0.740  |
| **qPCR\_ct\_serum**  |  | -0.567  | -0.531  | 0.396  |
| **qPCR\_iac\_blood**  |  | -  | 0.915  | 0.150  |
| **qPCR\_iac\_serum**  |  | -  | -  | 0.876  |
| **qPCR\_serum**  |  | 0.971  | -  | 0.054  |

CR: Component rotated, Chi-squared test: 296.925, Df 4, p: <0.001. The highest loads, with the lowest variance (Uniqueness) were obtained within CR1, specifically with the results of parasitemia in blood (qPCR\_GEB) and serum (qPCR\_Serum).