**Additional file 2: Table S2. (A)** *Plasmodium falciparum* data and **(B)** *P. vivax*: One-sided bootstrap test for differences in MOI. The test statistic (difference in estimated λ), and p-value of bootstrap test based on B=10,000 bootstrap repeats using bias correction and acceleration are shown. The lower and upper bounds of the 95% bias-corrected and accelerated (BCa) bootstrap condensed interval of the test statistic based on B=10,000 bootstrap repeats are also shown. All markers showed an increase in MOI.

**(A)**

|         | test stat | p-val  | low    | up     |
|---------|-----------|--------|--------|--------|
| Polyα   | 0.1786    | 0.0000 | 0.0604 | 0.5647 |
| TAA81   | 0.2414    | 0.0000 | 0.1394 | 0.7641 |
| TAA42   | 1.1177    | 0.0000 | 0.0000 | 2.5030 |
| TAA109  | 0.4676    | 0.0000 | 0.1666 | 1.7883 |
| ARA2    | 0.8051    | 0.0000 | 0.5374 | 1.4233 |
| Pfg377  | 0.1631    | 0.0000 | 0.0616 | 0.0000 |
| PfPK2   | 0.3213    | 0.0000 | 0.1772 | 0.9261 |
| TAA60   | 0.4334    | 0.0000 | 0.2412 | 1.3629 |

**(B)**

|        | test stat | p-val  | low    | up     |
|--------|-----------|--------|--------|--------|
| MS2    | 1.3124    | 0.0000 | 1.0414 | 1.9730 |
| MS5    | 1.3842    | 0.0000 | 1.0945 | 2.0253 |
| MS6    | 1.3914    | 0.0000 | 1.0730 | 1.8571 |
| MS15   | 1.2938    | 0.0000 | 1.0076 | 1.7916 |
| 14.185 | 0.9236    | 0.0000 | 0.6839 | 1.3923 |
| 2.21   | 1.5549    | 0.0000 | 1.2356 | 1.9796 |
| MS8    | 1.5297    | 0.0000 | 1.1935 | 2.0754 |
| MS1    | 1.0688    | 0.0000 | 0.8358 | 1.6602 |
| MS10   | 2.0073    | 0.0000 | 1.4941 | 2.5542 |