

Additional File 8: Sequence diversity at interfaces.

| <i>Pv</i>DBP | | |
|----------------------|---------------------------|-----------------------------------|
| Polymorphism | Minor Allele Count | Minor Allele Frequency (%) |
| R263S | 49 | 20.1 |
| T359R | 10 | 4.1 |
| V240L | 3 | 1.2 |
| V240I | 1 | 0.4 |
| I265L | 1 | 0.4 |
| K366N | 1 | 0.4 |
| Y271S | 1 | 0.4 |
| <i>Pv</i>AMA1 | | |
| Polymorphism | Minor Allele Count | Minor Allele Frequency (%) |
| N132D | 235 | 46.4 |
| N130K | 57 | 11.3 |
| D133N | 17 | 3.4 |
| M153T | 12 | 2.4 |
| G117R | 12 | 2.4 |
| K86R | 3 | 0.6 |
| A172T | 3 | 0.6 |
| N132G | 2 | 0.4 |
| R88G | 1 | 0.2 |

Note: The presence of polymorphisms was determined using sequences from all populations. Polymorphisms with a minor allele frequency > 5% are shown in bold. Any polymorphic residues within 4 Å of the *Pf*AMA1:RON2 interface or the *Pv*DBP dimerization/DARC binding interface are included in the above table.