

R2 Y^{*}S^{*}PTSPT YNANNAY Y^{*}S^{*}PTSPKNQNDQMNVNSQYNVMSPV Y^{*}S^{*}VTSPK

Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPK

Y^{*}S^{*}PTSPK Y^{*}S^{*}PTSPV AQNIASPNYSP Y^{*}S^{*}ITSPK FSPTSPA Y^{*}S^{*}ISSPV

R3 YDKSGVVNAHQPMSPAYILQSPVQIKQNVQDANMFSPIQQAHVDEAK
 NDDPFSPMPYNIDEDEMKENM 209 a.a.

Figure S2. The amino acid sequence of the R2 and R3 regions of the C-terminal domain of Rpb1 from *P. falciparum* 3D7. The heptad repeats typical of Rpb1 are underlined, and the serine residues that are sites for phosphorylation are marked with asterisks.