Supplementary Information

Table S1. iTRAQ ratios for detected serum proteins in malaria-infected patients (*P. knowlesi*, *P. falciparum* and *P. vivax*) relative to uninfected controls.

Protein	M1/C1	M2/C1	M3/C1
Haptoglobin	0.540	0.633	0.435
C-reactive protein isoform 2	3.243	2.154	1.925
Cell adhesion molecule-4	6.386	3.688	9.760
Serum albumin	1.385	1.308	1.228
Alpha-1-antitrypsin	1.014	1.173	1.466
Alpha-1-acid glycoprotein 1	1.076	1.237	1.317
Serotransferrin	0.672	1.060	0.675
Complement C3	0.729	0.853	0.792
Ig gamma-1 chain C	0.726	0.853	0.687
Hemopexin	1.217	1.180	1.356
Ig gamma-2 chain C region	0.759	0.700	0.764
Ig lambda-2 chain C regions	0.680	0.860	0.684
Ceruloplasmin	0.745	0.777	0.694
Alpha-1-acid glycoprotein 2	0.911	1.471	1.442
Alpha-2-macroglobulin	0.772	0.827	0.887
Ig kappa chain C region	0.713	0.810	0.731
Apolipoprotein A-I	0.702	0.681	1.371
Isoform 1 of Diacylglycerol kinase delta	0.890	0.716	0.825
Alpha-2-HS-glycoprotein	1.370	1.264	1.255
Alpha-1B-glycoprotein	0.684	0.811	1.017
Ig alpha-2 chain C region	0.948	0.782	0.879
Hemoglobin subunit delta	1.086	1.462	0.721
Mothers against decapentaplegic homolog 7	0.849	0.698	0.797
Myosin-8	1.407	0.838	1.133
Utrophin	1.237	1.447	1.471
Ig mu heavy chain disease protein	1.485	1.419	1.475
Isoform 3 of Microtubule-actin cross-linking factor 1	1.415	1.492	1.320
Centromere protein F	1.339	1.281	0.728
Transient receptor potential cation channel subfamily M member 7	0.979	1.029	1.419
Isoform 2 of Mediator of RNA polymerase II transcription subunit 24	1.244	1.312	1.180
Isoform 2 of Shugoshin-like 2	1.457	1.404	1.330
cDNA FLJ58155	1.345	0.928	1.369
Isoform Short of Myosin-IXb	1.173	1.179	1.450
Potassium voltage-gated channel subfamily A member 3	0.843	0.770	1.084
WD repeat-containing protein 87	1.494	1.077	0.840
Isoform 6 of Tumor protein 63	1.332	1.383	1.440
Ubiquitin carboxyl-terminal hydrolase	0.742	1.479	0.892
Isoform 3 of Dynein heavy chain 2, axonema	0.758	1.183	0.888
Serine/threonine-protein kinase PLK2	0.848	1.321	0.691
Zinc finger protein 726	1.111	1.123	1.085
Ankyrin repeat and SOCS box protein 18	0.706	0.852	0.841
RNA polymerase II elongation factor ELL3	1.469	1.419	0.896
Isoform 4 of Disks large homolog 5	0.890	0.909	1.216

Table S1. *Cont.*

Protein	M1/C1	M2/C1	M3/C1
ERC protein 2	1.233	1.146	1.498
Partner and localizer of BRCA2	1.415	1.348	0.749
Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7	0.746	0.739	0.716
Isoform 3 of Guanine nucleotide exchange factor VAV2	0.885	1.327	1.372
Ankyrin repeat domain-containing protein 35	0.742	0.745	0.732
Diphosphoinositol polyphosphate phosphohydrolase 2	1.461	1.018	1.493
Isoform 3 of Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B	0.708	0.751	0.791
Bone morphogenetic protein receptor type-1A	0.737	0.816	0.799
MCM10 minichromosome maintenance deficient 10	0.724	0.952	0.742
Isoform 3 of Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein	0.821	0.757	0.992
Isoform 2 of Neuralized-like protein 1A	1.285	1.022	1.127
MXD4 protein	1.300	1.496	0.928
Cyclin-dependent kinase 13	1.323	1.402	1.276
Discs, large homolog 4 (Drosophila), isoform CRA_b	1.224	1.446	1.112
RAF proto-oncogene serine/threonine-protein kinase	0.770	0.769	0.737
Isoform 2 of tRNA modification GTPase GTPBP3, mitochondrial	1.069	1.480	1.344
Isoform 3 of Bromodomain containing protein 3	1.472	1.785	1.317
Zinc finger ZZ-type and EF-hand domain-containing protein 1	0.827	0.888	0.890
SCL/TAL1 interrupting locus (Fragment)	0.796	1.003	1.133
Isoform 2 of Chondrosarcoma-associated gene 2/3 protein	1.481	1.200	1.496
Kyphoscoliosis peptidase	0.763	0.733	0.722
Homeobox protein Hox-A7	1.113	0.711	0.725
Recombining binding protein suppressor of hairless (Drosophila)-like	0.686	0.990	0.739
cDNA FLJ58169, highly similar to Anaphase-promoting complex subunit 2 (APC2) (Cyclosome subunit 2)	0.950	1.376	1.433
Intelectin-1	1.261	0.723	1.442
C-myc promoter-binding protein	0.720	1.236	1.459
AP-4 complex subunit epsilon-1	1.131	1.234	1.222
Protein FAM55D	1.209	1.201	1.173
Isoform 3 of Zinc finger CCCH-type antiviral protein 1	1.342	0.872	1.353
Breakpoint cluster region protein	1.495	1.040	1.138
Dynein heavy chain 3, axonemal	1.003	1.452	1.236
T-complex protein 10A homolog 2	0.744	0.723	0.725
Solute carrier family 35 member D3	0.712	0.890	0.819
DnaJ homolog subfamily C member 2	0.917	1.485	0.877
Serine/threonine-protein kinase 3	1.223	1.421	1.122
Alpha-1-antichymotrypsin	0.785	0.777	0.845
Isoform 2 of Putative disintegrin and metalloproteinase domain-containing protein 5	1.466	1.267	0.709
Isoform 3 of Zinc finger protein 714	0.685	0.690	0.766
Isoform 2 of Dedicator of cytokinesis protein 4	0.706	0.789	1.263
NUP153 variant protein (Fragment)	0.720	0.824	0.830

Table S1. *Cont.*

Protein	M1/C1	M2/C1	M3/C1
STXBP5 protein	0.865	1.159	1.043
Isoform 2 of Collagen alpha-1(VII) chain	1.351	0.999	0.861
Polypeptide N-acetylgalactosaminyltransferase 13	0.680	0.868	1.239
Coiled-coil domain-containing protein 122	0.926	0.683	0.867
Probable E3 ubiquitin-protein ligase makorin-3	1.336	1.222	1.120
EMILIN-3	0.800	0.945	0.710
Isoform 2 of Probable Xaa-Pro aminopeptidase 3	1.238	1.431	0.705
Isoform 3 of Kynurenine 3-monooxygenase	0.750	1.184	0.769
Isoform 2 of Sodium-coupled neutral amino acid transporter 2	0.866	0.769	0.885
Isoform 2 of Rap guanine nucleotide exchange factor 3	1.138	1.378	0.839
Baculoviral IAP repeat-containing protein 6	1.131	1.175	1.441
Isoform 3 of RING finger protein 17	0.691	0.791	0.687
Hsp90 co-chaperone Cdc37	0.782	0.899	1.122
Transmembrane protein C20orf46	0.965	0.776	0.820
Isoform 2 of Brevican core protein	0.849	1.255	1.411
Zinc finger and SCAN domain-containing protein 5B	1.119	1.139	1.277
Thyroid hormone receptor interacting protein 6 isoform 3	0.756	1.093	0.786
Neuropilin and tolloid-like protein 2	0.696	0.779	0.682
Isoform 2 of IQ domain-containing protein C	1.450	1.278	1.405
Isoform 2 of Solute carrier family 45 member 4	1.257	1.356	1.367
Putative ATP-binding domain-containing protein 3-like protein	1.307	0.715	1.255
Rho guanine nucleotide exchange factor 37	1.436	0.842	0.805
Isoform 2 of Vacuolar protein sorting-associated protein 13B	0.728	0.780	1.137
Isoform RMO1c of Ras-associated and pleckstrin homology domains-containing protein 1	0.780	0.774	0.814
Isoform 2 of Uncharacterized protein CXorf57	1.487	1.481	1.363
RNA-binding protein 27	0.685	0.674	0.684
Isoform 2 of Ubiquitin carboxyl-terminal hydrolase 21	1.279	1.411	1.323
Proline-rich protein 14	0.666	1.232	1.098
Isoform 2 of Abhydrolase domain-containing protein 14B	1.473	0.717	0.765
Melanoma antigen family D, 2	0.868	0.704	0.751
Uncharacterized protein, C9JVM2	0.680	1.096	1.368
Uncharacterized protein, D6RBJ7	1.328	1.292	1.493
Uncharacterized protein, E5RJ77	0.857	0.804	0.702
Uncharacterized protein, E5RH81	0.777	0.990	0.888
Uncharacterized protein, F5H6S8	0.722	0.816	0.785
Uncharacterized protein, E7ETL9	0.744	0.792	1.320
Uncharacterized protein, B4DFN3	0.715	0.748	0.748
Uncharacterized protein, C9JEV0	0.704	0.902	0.794
Uncharacterized protein, C2orf16, Q68DN1	1.232	1.400	0.707
Uncharacterized protein, E7EXA6	1.054	1.356	1.443
Uncharacterized protein, E7EVP0	1.409	1.454	1.354
Uncharacterized protein C20orf151, Q8NC74	1.443	1.274	1.462
Uncharacterized protein, B5ME49	1.024	1.499	0.756
Uncharacterized protein, E7EQE3	1.390	1.415	1.455

Table S1. *Cont.*

Protein	M1/C1	M2/C1	M3/C1
Uncharacterized protein, E7EPD1	1.003	0.832	0.801
Uncharacterized protein, F5H315	0.816	1.247	0.784
Uncharacterized protein, E7EMZ9	0.864	0.977	0.773
Uncharacterized protein, F5GXQ1	0.922	1.242	1.279
Uncharacterized protein, E9PCU0	0.728	1.027	0.863
Uncharacterized protein, B4DIT1	1.333	1.044	0.854
Uncharacterized protein, F5GX27	0.796	0.768	0.789
Uncharacterized protein, F8W6U1	1.498	0.911	1.451
Uncharacterized protein, D6RBY3	0.685	1.093	0.712
Uncharacterized protein, B4DSH5	0.872	0.962	1.151
Uncharacterized protein, B4DF35	0.789	0.750	1.419
Uncharacterized protein, F5H2F9	1.400	1.432	1.497
Uncharacterized protein, B7Z7E3	1.032	1.255	1.050
Uncharacterized protein, C9K0F5	0.771	0.680	0.682
Uncharacterized protein, E9PS46	1.335	0.730	0.968
Uncharacterized protein, B7Z9J8	1.059	1.224	1.444
Uncharacterized protein, B4E1I8	1.437	0.931	0.769
Uncharacterized protein (fragment), B1AV70	0.932	0.922	0.874
Uncharacterized protein, B4DQE7	0.843	0.842	1.346
Uncharacterized protein, E7EWC8	1.397	1.363	1.368
Uncharacterized protein, E9PRP3	1.463	1.353	1.338
Uncharacterized protein, E9PCM3	1.357	1.119	0.775
Uncharacterized protein, F5H2J0	1.338	1.470	0.827
Uncharacterized protein, B7Z7H0	1.366	1.360	0.790
Uncharacterized protein, E9PNH3	0.944	0.823	0.693

M1: *P. vivax* malaria serum; M2: *P. falciparum* malaria serum; M3: *P. knowlesi* malaria serum; C1: control serum.