Additional file 8. Information about proteins discriminating between controls and malaria patients

**ADSS1**
Adenylosuccinate synthase like 1
Antibody: HPA052621

**CALCA**
Calcitonin related polypeptide alpha
Antibody: HPA064453

**CCL5**
C–C motif chemokine ligand 5
Antibody: HPA010552

**CD14**
CD14 molecule
Antibody: HPA001887

**CD80**
CD80 molecule
Antibody: HPA039851

AUC = 0.86

AUC = 0.78

AUC = 0.82

AUC = 0.80

AUC = 0.76
**CEBPA**
CCAAT/enhancer binding protein alpha
Antibody: HPA052734

Intensities per sample group

Correlation between experiments

Control vs malaria cases

**CRP**
C-reactive protein
Antibody: HPA027396

Intensities per sample group

Correlation between experiments

Control vs malaria cases

**CSF1**
Colony stimulating factor 1
Antibody: HPA061864

Intensities per sample group

Correlation between experiments

Control vs malaria cases

**CTSD**
Cathepsin D
Antibody: HPA003001

Intensities per sample group

Correlation between experiments

Control vs malaria cases

**EPB41L2**
Erythrocyte membrane protein band 4.1 like
Antibody: HPA006642

Intensities per sample group

Correlation between experiments

Control vs malaria cases

AUC = 0.90
**GYPC**
Glycophorin C (Gerlich blood group)
Antibody: HPA008965

**IGFBP1**
Insulin like growth factor binding protein 1
Antibody: MAB675 R&D

**ITGA5**
Integrin subunit alpha V
Antibody: HPA004956

**LBP**
Lipopolysaccharide binding protein
Antibody: HPA001508

**LCP1**
Lymphocyte cytosolic protein 1
Antibody: HPA019493

**Intensities per sample group**
- **GYPC**: MFI [AU] (p = 2e-28)
- **IGFBP1**: MFI [AU] (p = 1e-21)
- **ITGA5**: MFI [AU] (p = 3e-33)
- **LBP**: MFI [AU] (p = 4e-87)
- **LCP1**: MFI [AU] (p = 6e-39)

**Correlation between experiments**
- **GYPC**: Rho: 0.95
- **IGFBP1**: Rho: 0.96
- **ITGA5**: Rho: 0.90
- **LBP**: Rho: 0.96
- **LCP1**: Rho: 0.86

**Control vs malaria cases**
- **GYPC**: AUC = 0.95
- **IGFBP1**: AUC = 0.72
- **ITGA5**: AUC = 0.80
- **LBP**: AUC = 0.95
- **LCP1**: AUC = 0.83
**MMP2**
Matrix metalloproteinase 2  
Antibody: HPA001939

**MYL3**
Myosin light chain 3  
Antibody: HPA016564

**NEFM**
Neurofilament medium  
Antibody: HPA022845

**ORM1/2**
Orosomucoid 1/2  
Antibody: HPA047725

**RIPK2**
Receptor interacting serine/threonine kinase  
Antibody: HPA016499

Intensities per sample group

Correlation between experiments

Control vs malaria cases

\[p = 2 \times 10^{-42}\]

\[Rho = 0.87\]

\[AUC = 0.78\]

\[p = 3 \times 10^{-18}\]

\[Rho = 0.86\]

\[AUC = 0.74\]

\[p = 8 \times 10^{-16}\]

\[Rho = 0.91\]

\[AUC = 0.70\]

\[p = 5 \times 10^{-27}\]

\[Rho = 0.93\]

\[AUC = 0.80\]

\[p = 1 \times 10^{-14}\]

\[Rho = 0.88\]

\[AUC = 0.74\]
SERPINA3
Serpin family A member 3
Antibody: HPA002560

SPARC
Secreted protein acidic and cysteine rich
Antibody: HPA003020

TIPIN
TIMELESS interacting protein
Antibody: HPA039704

TNF
Tumor necrosis factor
Antibody: HPA077901

VCAM1
Vascular cell adhesion molecule 1
Antibody: HPA001618
VWF
von Willebrand factor
Antibody: HPA002082

Intensities per sample group

Correlation between experiments

Control vs malaria cases

\( p = 1 \times 10^{-75} \)

\( \text{Rho: } 0.97 \)

\( \text{AUC} = 0.91 \)