### Supplemental table 1: Eligibility criteria for the different study components

#### Cross-sectional study

**Inclusion criteria**
- Showing symptoms suggestive of malaria and/or VL
- Living in the catchment area of the study hospital

**Exclusion criteria**
- Already under drug treatment for malaria and/or VL
- Having a positive VL diagnosis in their medical history
- Pregnant

#### Case-control study: patient cases

**Inclusion criteria**
- Included in the cross-sectional study
- Having a laboratory-confirmed VL diagnosis and/or malaria diagnosis

**Exclusion criteria**
None

#### Case-control study: healthy controls

**Inclusion criteria**
- Living in the village of residence of a VL-infected participant of the cross-sectional study
- Living in the current house for at least 1 year
- Not showing symptoms suggestive of malaria and/or VL
- Negative for malaria with malaria RDT
- Negative for VL with rk39 RDT

**Exclusion criteria**
- A positive VL diagnosis in their medical history
- A history of clinical malaria in the preceding 2 weeks
- Already under drug treatment for malaria and/or VL
- Pregnant

#### Cohort study: clinically ill patients

**Inclusion criteria**
- Included in the cross-sectional study
- Between 6 and 30 years of age
- Having a laboratory-confirmed VL diagnosis and/or malaria diagnosis with *P. falciparum* (parasite counts between 1000 and 250,000 /μL of blood only)
- Eligible for first-line treatment for VL and/or malaria as stated in the national treatment guidelines

**Exclusion criteria**
- Having a haemoglobin level of ≤5 g/dL
- Being diagnosed with malaria caused by a *Plasmodium* species different than *P. falciparum*
- Suffering from any other infectious disease, acute or chronic, different from malaria and/or VL, of which the patient has knowledge
- Suffering from any immune system disorder, acute or chronic, of which the patient has knowledge
Cohort study: healthy and asymptomatic household members

**Inclusion criteria**
- Living in the household of one of the clinically ill participants of the cohort study
- 6 years old and above
- Not showing any major symptoms suggestive of malaria and VL
- Having a body temperature below 37.5°C

**Exclusion criteria**
- A positive VL diagnosis in their medical history
- A history of clinical malaria in the preceding 2 weeks
- Already under drug treatment for malaria and/or VL
- Pregnant
- Being diagnosed with malaria caused by a *Plasmodium* species different than *P. falciparum*
- Suffering from any other infectious disease, acute or chronic, different from malaria and/or VL, of which the patient has knowledge
- Suffering from any immune system disorder, acute or chronic, of which the patient has knowledge
- Being under antimicrobial and/or anti-inflammatory treatment
- Being under immune-suppressive or immune-stimulatory treatment