

Description of Additional Supplementary Files

Supplementary Data 1 - Significant and suggestive associations in Cameroonian discovery cohort.

Supplementary Data 2 - Suggestive associations for various loci in the Tanzanian, Cameroonian and African American cohorts.

Supplementary Data 3 - FLT1 significant associations and fine-mapped variants in the Cameroon, Tanzania, and Cameroon-Tanzania meta analysis datasets.

Supplementary Data 4 - Association test of fetal haemoglobin level and mean corpuscula volume (MCV), and red blood cell (RBC) in Cameroonian sickle cell anaemia patients with 1,000,000 permutations.

Supplementary Data 5 - Oligonucleotides used in this study.

Supplementary Data 6 - Associations for the meta-analysis and the merged of Cameroon and Tanzania non-imputed datasets with $FDR < 0.20$.