**Supplementary Table S2.** Pre-imputation individual QC.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cohort | Total genotyped | Excluded by missingness or heterozygosity | Excluded as duplicate | Total excluded |
| Gambia | 4179 | 617 | 782 | 1399 |
| Kenya | 3656 | 134 | 220 | 314 |
| Malawi | 4473 | 594 | 354 | 948 |