**S3 Table. Filtered data**

|  |  |  |  |
| --- | --- | --- | --- |
| FILTER | FILTER PARAMETER | NUMBER OF SAMPLES (People) | NUMBER OF SNP (Variants) |
| None | N/A | 202 | 96 |
| Missing data for each individual | 0.15 | 176 (26 individual removed due missing data) | 96 |
| Missing data for each locus | 0.20 | 176 | 87 ( 9 variants removed due to missing data) |
| Hardy Weinberg (hwe) |  | 176 | 83(4 variants removed) |
| Remove one pair of loci highly linked to each other linkage greater than r2 =0.5 order to increase power. |  | 176 | 65 (18 removed) |

 **Variants and Number of Samples have been filtered in order to clean the Data**