SUPPLEMENTARY FIGURES

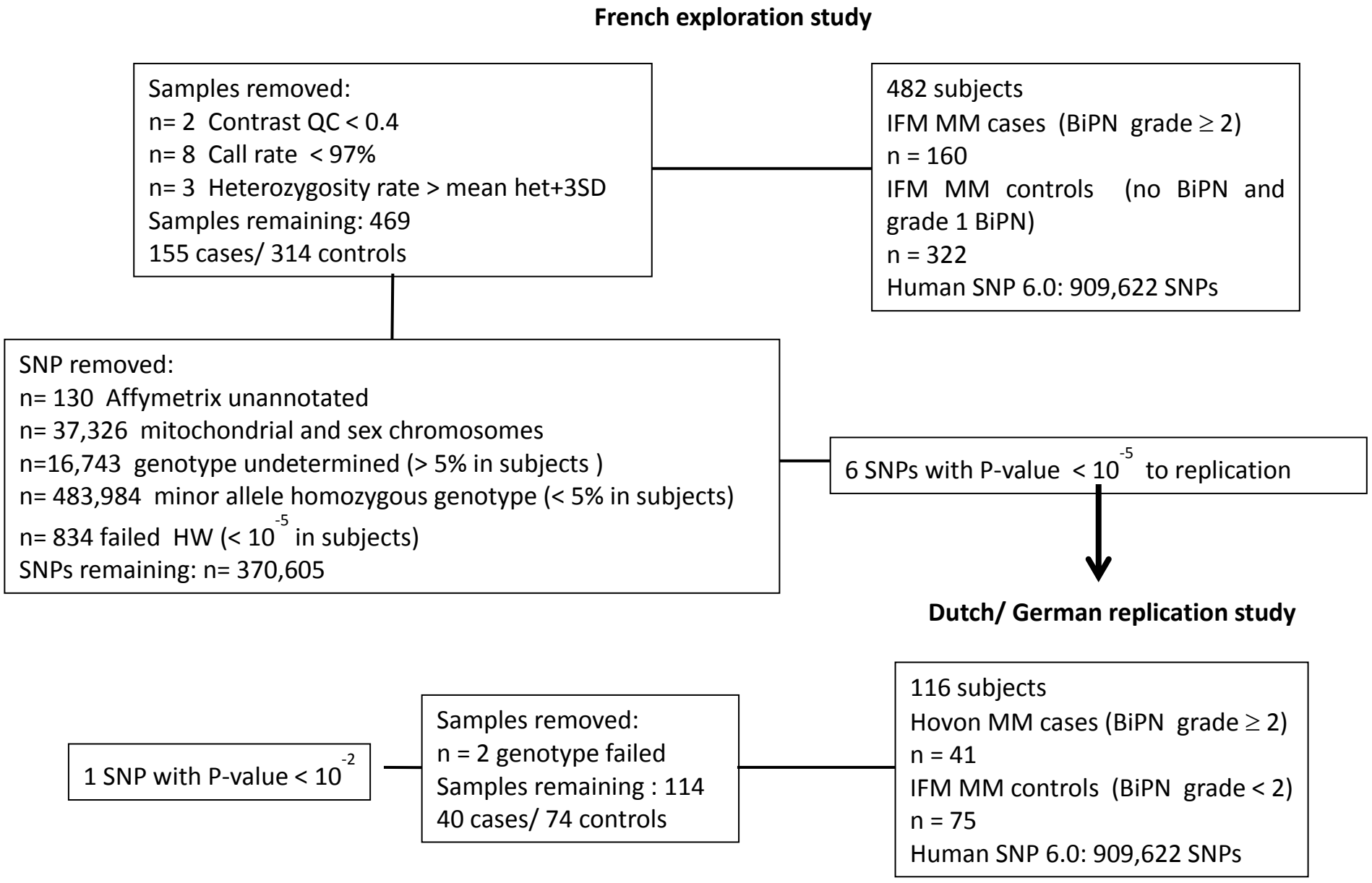
Supplementary Figure 1. Subjects and single SNP exclusion schema for the GWAS

Supplementary Figure 2. Principal component plot for the genotyped IFM cohort and 3 HapMap phase III reference populations. The first two components are plotted, each sample is represented by a colored circle. Magenta: IFM samples; Red : IFM outliers; Pink: Utah residents with Northern and Western European ancestry from the CEPH collection (CEU); Green: Han Chinese in Beijing, China (CHB); Blue: Yoruba in Ibadan, Nigeria (YRI).

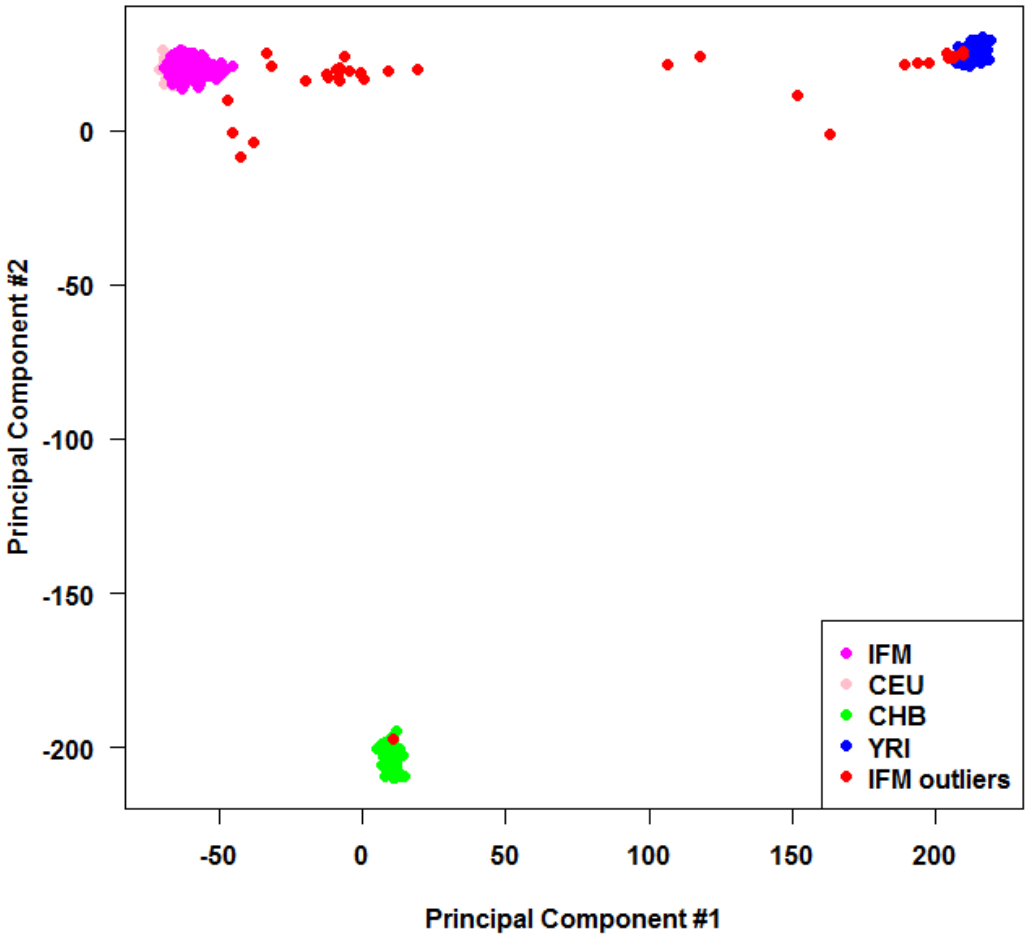
Supplementary Figure 3. OR for 6 SNPs associated with BiPN discovery study ; for each allele, OR and CI is drawn (left: 0 risk-allele, middle :1 risk-allele, right: 2 risk-allele).

Supplementary Figure 4. Manhattan plots for association analyses. Genome-wide association test results are shown as -Log10 transformed P-values . Chromosomal location of SNPs is indicated on the x-axis. The five candidate gene SNPs are indicated.

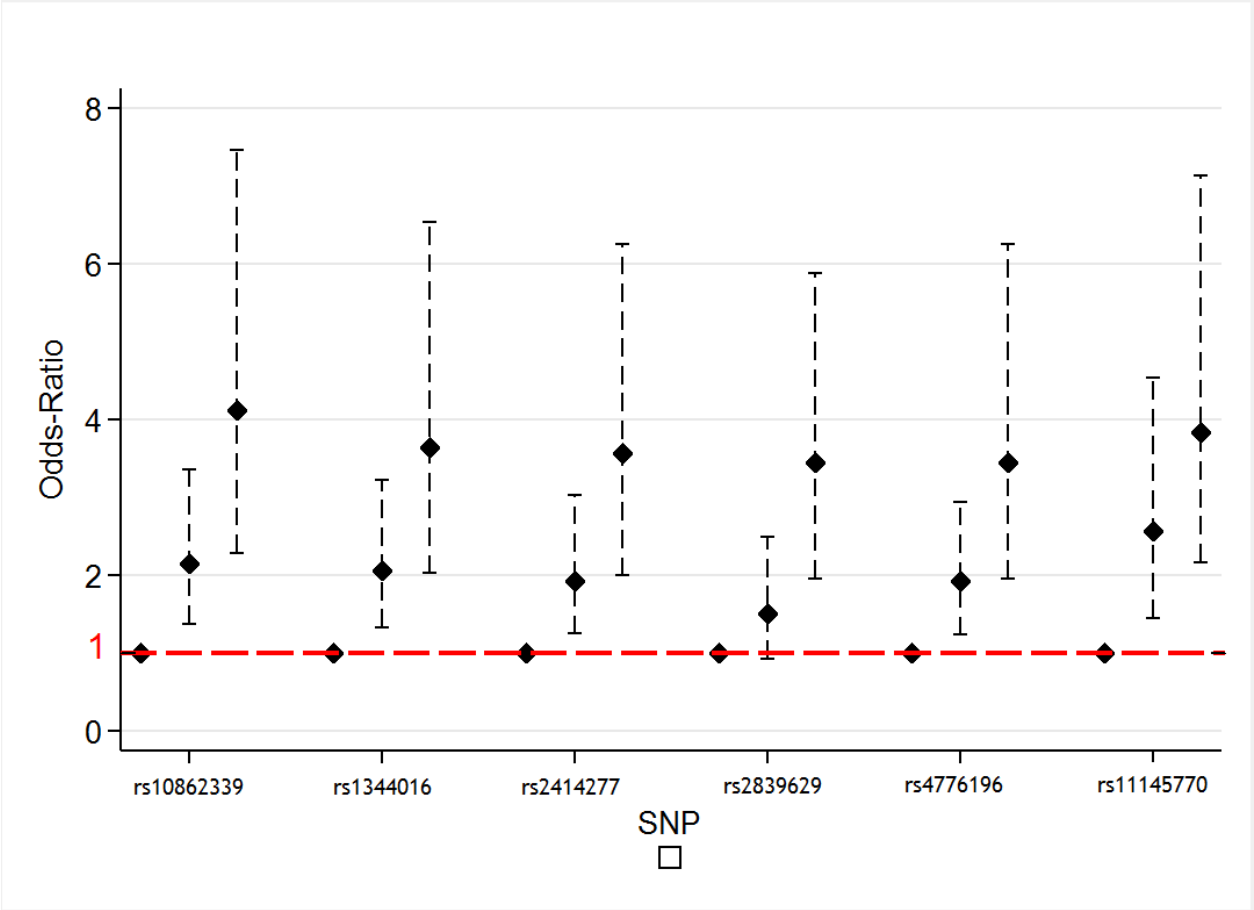
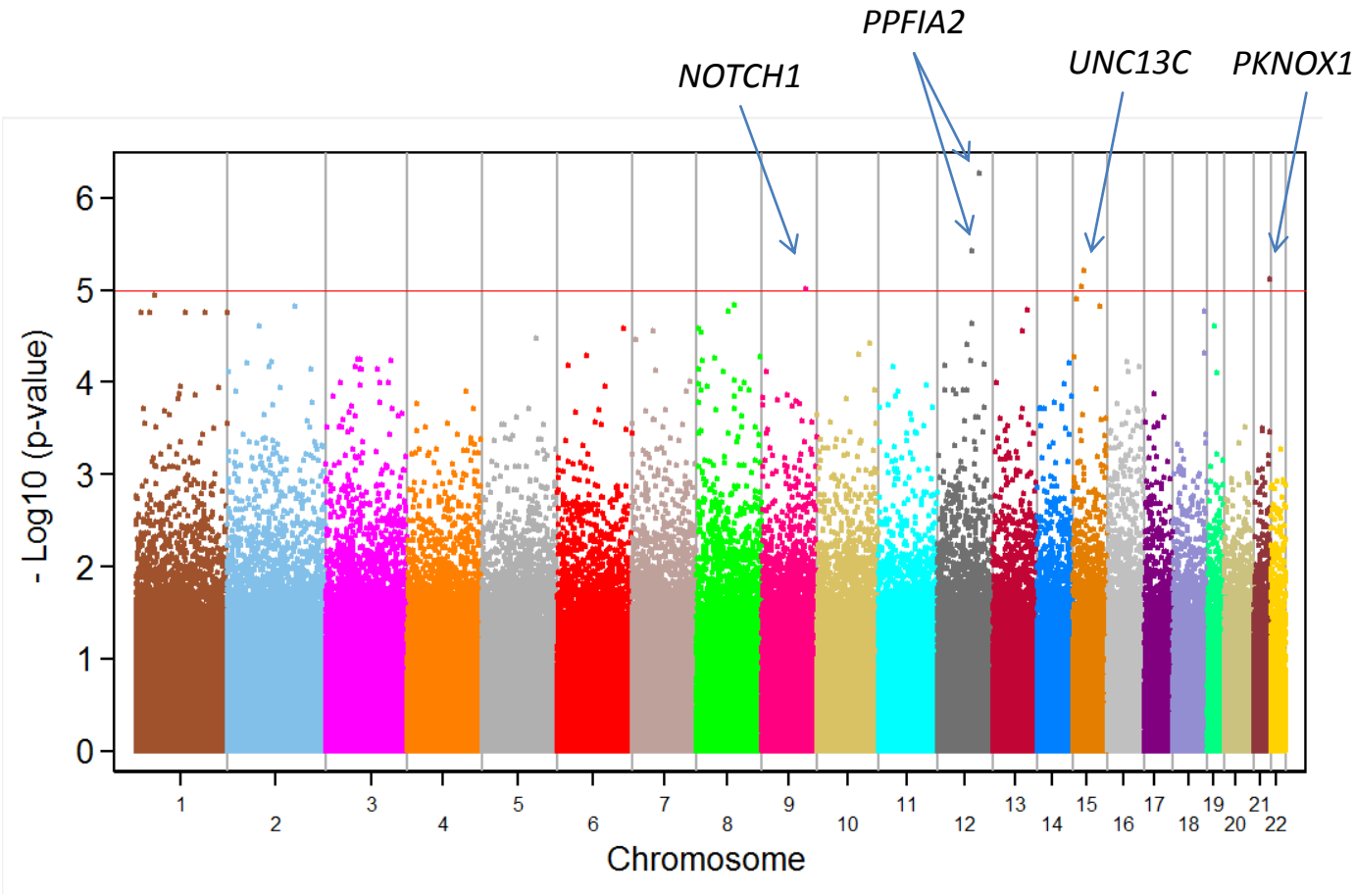
Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 3



Supplementary Figure 4