A. Vitamin D severe deficiency (25OHD <10 ng/ml)

![Graph showing percentage of Vitamin D deficiency in African American and European American populations.]

25OHD levels, means ± standard error (ng/ml): 14.9 ± 0.5 for African American and 21.4 ± 0.6 for European American, p<0.001

B. Vitamin D receptor (VDR) expression in HapMap lymphoblastoid cell lines

![Graph showing average of log2 transformed VDR expression levels in CEU and YRI populations.]

q-value=1.3x10^-5