Figure S6  Principal components analysis on cytosine modification profiles of pooled CEU, YRI and Dutch samples. Upper panel: 133 samples in this study pooled with 88 healthy individuals of Dutch descent on the 27K array (GSE41037, Plate C); Lower panel: samples in this study pooled with 33 healthy individuals of Dutch descent on the 450K array (GSE41169). The cytosine modification levels were quantile normalized and adjusted by batch. The clustering patterns were inconsistent with the difference of tissue types (whole blood vs. LCL) or cell cultures (primary vs. cultured).

(A) and (D): The principal components of all CpG sites, colored by batch (1: Dutch study; 2, 3 and 4: this study).

(B) and (E): The principal components of all CpG sites, colored by population identity (1: YRI; 2:CEU; 3:Dutch).

(C) and (F): The principal components of differential CpG sites between the CEU and YRI samples, colored by population identity (1:YRI; 2:CEU; 3:Dutch).