

## **Description of Additional Supplementary Files**

### **Supplementary Data 1:**

DNA methylation and genotyping measurement details by cohort

### **Supplementary Data 2:**

Significant CpG-lipid association meta-analyses and annotations for Models 3 and 4 stratified by racial/ethnic group and combined

### **Supplementary Data 3:**

Significant methylation quantitative trait loci identified for the 30 CpGs found to be significantly associated with lipids in more than one racial/ethnic group

### **Supplementary Data 4:**

Methylation quantitative trait loci (mQTL) entries in the methylation QTL database (<http://www.mqtl.db.org/>) for seven CpGs found to have one or more mQTLs among Europeans in this study

### **Supplementary Data 5:**

List of genome wide significant SNP-association for lipids identified through prior GWAS found to be within 10 megabases of significant CpG-lipid pairs identified in this epigenome wide association study without actually being located within the same gene.