- **Supplementary Data 1**: Methods for assessing physical activity and the definitions of inactivity in the participating studies
- **Supplementary Data 2**: Trait distribution in Stage 1 studies
- **Supplementary Data 3**: Trait distribution in Stage 2 studies
- **Supplementary Data 4**: SNPxPA interaction results in trans-ancestry meta-analyses for HDL cholesterol for 260 previously identified HDL cholesterol loci
- **Supplementary Data 5**: SNPxPA interaction results in trans-ancestry meta-analyses for HDL cholesterol for 202 previously identified LDL cholesterol loci
- **Supplementary Data 6**: SNPxPA interaction results in trans-ancestry meta-analyses for triglyceride levels for 185 previously identified triglyceride loci
- **Supplementary Data 7**: Previously reported 260 loci associated with HDL cholesterol
- **Supplementary Data 8**: Previously reported 202 loci associated with LDL cholesterol
- **Supplementary Data 9**: Previously reported 185 loci associated with triglyceride levels
- **Supplementary Data 10**: All genome-wide significant loci in the joint test for SNP main effect and SNPxPA interaction.