**Table S2.** Ordered Endophenotype Ranking Values (ERVs), Heritability Estimates, Genetic Correlations and Included Covariates for All Lipid Species Included in Cluster 2.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Lipid Class** | **h2** | **ρg** | **ERV** | **Metabolic Covariates Included** | **Fatty Acid** |
| PC(O) 38:4 | 0.51 | 0.79 | 0.24 | Diabetes; Smoking; BMI | AA |
| PC(P) 40:5 | 0.36 | 0.59 | 0.15 | Diabetes; Smoking; BMI | DHA |
| PC(O) 36:4 | 0.41 | 0.46 | 0.13 | Smoking | AA |
| PC(O) 35:4 | 0.27 | 0.58 | 0.13 | Heart Surgery | AA |
| PC(O) 36:5 | 0.43 |  0.48 | 0.13 | Hypertension; Smoking; BMI | EPA |
| PC(P) 38:5 | 0.38 | 0.44 | 0.11 | Smoking; BMI | Mix |
| PC(O) 38:5 | 0.36 | 0.38 | 0.10 | Smoking | AA |
| PC(P) 36:5 | 0.27 | 0.29 | 0.06 | Hypertension; Smoking; BMI | EPA |