Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.

eMethods

UKB Definition of covariates

The covariates considered in the analysis included baseline age, sex, ethnicity, fasting time, assessment center, lifestyle factors including body mass index (BMI), smoking status, alcohol intake frequency, education and status regarding multiple medication from touchscreen or verbal interview and technical variables during the NMR measurement, i.e., batch and spectrometer. Fasting time was defined as the time interval between the consumption of food or drink and blood sampling and natural log-transformed. Ethnicity was categorized to White, Asian (excluding Chinese), Black, Chinese, mixed and others. Smoking status was categorized to never, previous and current. Alcohol intake frequency was categorized to 1) daily or almost daily, 2) three to four times a week, 3) once or twice a week, 4) less than once a week. Education was categorized to 1) College or University degree, 2) A levels, advanced subsidiary (AS) levels or equivalent, 3) Certificated of secondary education (CSEs) or equivalent, 4) National vocational qualification (NVQ) or higher national diploma (HND) or higher national certificate (HNC) or equivalent, 5) O levels, general certificate of secondary education (GCSEs) or equivalent, 6) Other professional qualifications, and 7) none of the above based on the highest qualification. Information for those who chose "prefer not to answer", was put as missing. Medication status was based on the medication codes collected from the verbal interview which were further coded to Anatomical Therapeutic Chemical (ATC) codes. The medications considered in the covariates were selected based on our previous publication[1], including five anti-hypertensives (C08, C09, C07, C03 and C02), anti-diabetes (metformin and other anti-diabetes under A10), lipid-lowering drugs (C10), digoxin (C01AA), anti-thrombotic (B01AC06), proton pump inhibitors (PPI, A02BC), hypnotics and sedatives (N05) and antidepressants (N06).

Imputation of missing values in the covariates

Fast imputation of missing values by chained random forests was performed through the R package *missRanger* to impute the missing values for the shared covariates, including smoking status, BMI, alcohol intake frequency, education, and ethnicity. The information used in the imputation included baseline age, sex, smoking status, pack-years of smoking, alcohol intake frequency, physical activity from International Physical Activity Questionnaire (IPAQ) groups, ethnicity, BMI, education, blood pressure and waist-hip ratio. In brief, the large matrix was imputed with maximum of ten chaining

interactions and 200 trees and weighted by the number of non-missing values; three candidate non-missing values were selected from in the predictive mean matching steps.

Metabolite profiling

The metabolites were measured in plasma using the targeted high-throughput ^{1}H-NMR metabolomics platform of Nightingale (Nightingale Health Ltd; biomarker quantification version 2020)[2,3] which includes 249 metabolites. They include clinical lipids, lipoprotein subclass profiling with lipid concentrations within 14 subclasses, fatty acid composition, and various low-molecular weight metabolites such as amino acids, ketone bodies and glycolysis metabolites quantified in molar concentration units. The technology is based a standardized protocol of sample quality control and sample preparation, data storage and automated spectral analyses.

The data obtained from the baseline sampling was used[2]. For the samples with repeated measurements of the metabolites, one of the values was extracted at random. The metabolite values which were suggested to be technical errors in the quality control provided by Nightingale Health during the measurement procedure were treated as missing. A natural logarithm transformation of each metabolite was performed for the analysis. The zero values were replaced by the lowest value except for zero. Finally the transformed values were scaled to standard deviation units.

PReDICT Study Design and Participants

This study examined serum samples from the Predictors of Remission in Depression to Individual and Combined Treatments (PReDICT) study; the design and clinical outcomes of PReDICT have been detailed previously[4,5]. Briefly, the PReDICT study aimed to identify predictors and moderators of response to 12 weeks of randomly-assigned treatment with duloxetine (30-60 mg/day), escitalopram (10-20 mg/day) or cognitive behavior therapy (CBT, 16 one-hour individual sessions). Eligible participants were adults aged 18-65 with an active major depressive episode without psychotic features as part of MDD who had never previously been treated for depression. Severity of depression at the randomization visit was assessed with the 17-item Hamilton Depression Rating Scale (HRSD17)[6]. Eligibility required a HRSD17 score ≥18 at the screening visit and ≥15 at the randomization visit, indicative of moderate-to-severe depression. Active significant suicide risk, current illicit drug use (assessed with urine drug screen) or a history of substance abuse in

the three months prior to randomization, pregnancy, lactation, and uncontrolled general medical conditions were all exclusionary.

Metabolite Profiling

At the randomization visit, antecubital phlebotomy was performed without concern for time of day or fasting status to obtain the serum samples used in the current analysis. Blood samples were allowed to clot for 20 minutes, then centrifuged at 4C for 10 minutes. The serum was pipetted into Eppendorf tubes and immediately frozen at -80C until ready for metabolomic analysis.

Using targeted metabolomics protocols and profiling protocols established in previous studies, citric acid and fatty acids were quantified by ultra-performance liquid chromatography triple quadrupole mass spectrometry (UPLC-TQMS) (Waters XEVO TQ-S, Milford, USA). A targeted, liquid chromatography–electrochemical coulometric array (LCECA) metabolomics platform[7] was used to assay metabolites in serum samples. This platform was used to identify and quantify 35 metabolites including pyruvate and primarily neurotransmitter-related to tryptophan, tyrosine, and tocopherol pathways.

Statistical Analysis

Linear regression models were used to assess the cross-sectional association of selected metabolites with the 17-item Hamilton Rating Scale for Depression (HRSD17) and 14-tems Hamilton Rating Scale for Anxiety (HRSA). The outcome variable was square root of the HRSD17 and HRSA and covariates include age, sex and BMI.

Results

Lower levels of pyruvate and higher levels of citric acid and EPA were associated with less-severe depression and/or anxiety. DHA along with other PUFAs were showing similar trends as EPA (i.e., higher levels of PUFAs associated or trended with less severe depression and/or anxiety).

References:

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eTable 1. Results for all models for Lifetime MDD

	M1						M2						M3						M4					
Metabolite	**beta**	**se**	**z**	**pvalue**	**n**	**fdr**	**beta**	**se**	**z**	**pvalue**	**n**	**fdr**	**beta**	**se**	**z**	**pvalue**	**n**	**fdr**	**beta**	**se**	**z**	**pvalue**	**n**	**fdr**
M_HDL_PL_pct	0.227	0.019	11.689	1.44E-31	6810/51445	**3.59E-29**	0.192	0.021	9.161	5.12E-20	6810/51445	**1.28E-17**	0.152	0.023	6.641	3.11E-11	6810/51445	**7.74E-09**	0.137	0.024	5.807	6.36E-09	6810/51445	**1.58E-06**
MUFA_pct	0.180	0.016	11.549	7.49E-31	6806/51398	**9.33E-29**	0.152	0.017	9.025	1.80E-19	6806/51398	**2.25E-17**	0.114	0.018	6.250	4.10E-10	6806/51398	**5.10E-08**	0.101	0.019	5.391	7.02E-08	6806/51398	**5.48E-06**
PUFA_by_MUFA	-0.178	0.016	-11.410	3.75E-30	6806/51398	**3.11E-28**	-0.150	0.017	-8.860	7.98E-19	6806/51398	**6.62E-17**	-0.105	0.018	-5.702	1.19E-08	6806/51398	**5.91E-07**	-0.089	0.019	-4.718	2.38E-06	6806/51398	**3.30E-05**
TG_by_PG	0.168	0.016	10.686	1.18E-26	6806/51398	**7.34E-25**	0.139	0.017	8.268	1.36E-16	6806/51398	**8.48E-15**	0.107	0.018	5.876	4.20E-09	6806/51398	**3.49E-07**	0.099	0.019	5.342	9.19E-08	6806/51398	**5.48E-06**
S_HDL_TG_pct	0.159	0.015	10.406	2.33E-25	6810/51445	**1.16E-23**	0.132	0.016	8.193	2.54E-16	6810/51445	**1.27E-14**	0.095	0.017	5.485	4.13E-08	6810/51445	**1.47E-06**	0.087	0.018	4.916	8.85E-07	6810/51445	**2.37E-05**
M_HDL_TG_pct	0.157	0.015	10.252	1.16E-24	6810/51445	**4.83E-23**	0.130	0.016	8.148	3.69E-16	6810/51445	**1.53E-14**	0.093	0.017	5.406	6.45E-08	6810/51445	**2.01E-06**	0.086	0.017	4.911	9.07E-07	6810/51445	**2.37E-05**
S_HDL_TG	0.154	0.015	10.225	1.53E-24	6810/51445	**5.43E-23**	0.127	0.016	7.987	1.38E-15	6810/51445	**4.90E-14**	0.090	0.017	5.256	1.47E-07	6810/51445	**2.75E-06**	0.082	0.017	4.742	2.12E-06	6810/51445	**3.10E-05**
PUFA_pct	-0.159	0.016	-10.199	2.00E-24	6806/51398	**6.23E-23**	-0.129	0.017	-7.745	9.54E-15	6806/51398	**2.97E-13**	-0.081	0.018	-4.431	9.39E-06	6806/51398	**4.18E-05**	-0.064	0.019	-3.409	6.53E-04	6806/51398	**2.08E-03**
XL_HDL_TG_pct	0.156	0.015	10.121	4.44E-24	6808/51433	**1.23E-22**	0.127	0.016	7.729	1.09E-14	6808/51433	**3.00E-13**	0.093	0.018	5.247	1.55E-07	6808/51433	**2.75E-06**	0.087	0.018	4.784	1.72E-06	6808/51433	**2.95E-05**
L_HDL_TG_pct	0.152	0.016	9.806	1.06E-22	6810/51445	**2.63E-21**	0.124	0.016	7.613	2.67E-14	6810/51445	**6.65E-13**	0.087	0.018	4.924	8.48E-07	6810/51445	**7.28E-06**	0.080	0.018	4.450	8.59E-06	6810/51445	**5.63E-05**
VLDL_TG	0.145	0.015	9.529	1.59E-21	6810/51445	**3.59E-20**	0.117	0.016	7.336	2.19E-13	6810/51445	**3.96E-12**	0.085	0.017	4.908	9.19E-07	6810/51445	**7.38E-06**	0.080	0.018	4.547	5.43E-06	6810/51445	**4.51E-05**
Total_TG	0.144	0.015	9.496	2.17E-21	6810/51445	**4.51E-20**	0.116	0.016	7.369	1.72E-13	6810/51445	**3.75E-12**	0.081	0.017	4.703	2.56E-06	6810/51445	**1.45E-05**	0.074	0.017	4.273	1.93E-05	6810/51445	**9.81E-05**
VLDL_size	0.148	0.016	9.403	5.31E-21	6810/51445	**9.44E-20**	0.117	0.017	7.049	1.81E-12	6810/51445	**2.14E-11**	0.094	0.018	5.197	2.02E-07	6810/51445	**3.12E-06**	0.090	0.018	4.902	9.51E-07	6810/51445	**2.37E-05**
L_HDL_CE	-0.148	0.016	-9.410	4.98E-21	6810/51445	**9.44E-20**	-0.114	0.017	-6.642	3.09E-11	6810/51445	**2.26E-10**	-0.097	0.019	-5.177	2.26E-07	6810/51445	**3.12E-06**	-0.090	0.019	-4.607	4.09E-06	6810/51445	**4.07E-05**
XL_VLDL_CE_pct	-0.143	0.015	-9.343	9.33E-21	6749/51000	**1.55E-19**	-0.117	0.016	-7.334	2.23E-13	6749/51000	**3.96E-12**	-0.091	0.017	-5.267	1.39E-07	6749/51000	**2.75E-06**	-0.082	0.018	-4.629	3.67E-06	6749/51000	**4.07E-05**
Unsaturation	-0.148	0.016	-9.315	1.22E-20	6806/51398	**1.90E-19**	-0.121	0.017	-7.324	2.41E-13	6806/51398	**4.01E-12**	-0.080	0.018	-4.453	8.47E-06	6806/51398	**3.91E-05**	-0.060	0.018	-3.261	1.11E-03	6806/51398	**3.16E-03**
S_VLDL_TG	0.140	0.015	9.289	1.55E-20	6810/51445	**2.28E-19**	0.115	0.016	7.362	1.81E-13	6810/51445	**3.75E-12**	0.083	0.017	4.913	8.96E-07	6810/51445	**7.38E-06**	0.077	0.017	4.486	7.25E-06	6810/51445	**5.40E-05**
XL_VLDL_P	0.142	0.015	9.271	1.84E-20	6810/51445	**2.54E-19**	0.113	0.016	7.077	1.47E-12	6810/51445	**1.93E-11**	0.085	0.017	4.928	8.30E-07	6810/51445	**7.28E-06**	0.081	0.018	4.600	4.23E-06	6810/51445	**4.07E-05**
XL_VLDL_C_pct	-0.142	0.015	-9.258	2.08E-20	6749/51000	**2.73E-19**	-0.116	0.016	-7.257	3.95E-13	6749/51000	**5.47E-12**	-0.092	0.017	-5.332	9.72E-08	6749/51000	**2.42E-06**	-0.084	0.018	-4.743	2.10E-06	6749/51000	**3.10E-05**
L_HDL_C	-0.145	0.016	-9.248	2.30E-20	6810/51445	**2.86E-19**	-0.111	0.017	-6.499	8.07E-11	6810/51445	**4.90E-10**	-0.097	0.019	-5.194	2.06E-07	6810/51445	**3.12E-06**	-0.090	0.019	-4.664	3.10E-06	6810/51445	**3.86E-05**
XL_VLDL_L	0.141	0.015	9.239	2.49E-20	6810/51445	**2.95E-19**	0.112	0.016	7.006	2.45E-12	6810/51445	**2.77E-11**	0.084	0.017	4.835	1.33E-06	6810/51445	**8.96E-06**	0.080	0.018	4.547	5.44E-06	6810/51445	**4.51E-05**
Omega_6_pct	-0.142	0.015	-9.232	2.65E-20	6806/51398	**3.00E-19**	-0.113	0.016	-6.964	3.30E-12	6806/51398	**3.58E-11**	-0.073	0.018	-4.097	4.19E-05	6806/51398	**1.51E-04**	-0.060	0.018	-3.270	1.08E-03	6806/51398	**3.15E-03**
IDL_TG_pct	0.140	0.015	9.214	3.15E-20	6810/51445	**3.41E-19**	0.115	0.016	7.273	3.51E-13	6810/51445	**5.14E-12**	0.088	0.017	5.128	2.94E-07	6810/51445	**3.65E-06**	0.082	0.018	4.441	8.97E-06	6810/51445	**5.69E-05**
XL_HDL_C	-0.142	0.016	-9.150	5.70E-20	6810/51445	**5.68E-19**	-0.109	0.017	-6.504	7.81E-11	6810/51445	**4.86E-10**	-0.100	0.018	-5.537	3.08E-08	6810/51445	**1.28E-06**	-0.101	0.019	-5.309	1.10E-07	6810/51445	**5.48E-06**
S_LDL_TG_pct	0.138	0.015	9.150	5.67E-20	6810/51445	**5.68E-19**	0.114	0.016	7.294	3.02E-13	6810/51445	**4.70E-12**	0.080	0.017	4.732	2.23E-06	6810/51445	**1.29E-05**	0.073	0.018	4.174	3.00E-05	6810/51445	**1.41E-04**
XXL_VLDL_FC	0.140	0.015	9.046	1.49E-19	6810/51445	**1.42E-18**	0.111	0.016	6.870	6.41E-12	6810/51445	**6.38E-11**	0.080	0.017	4.588	4.48E-06	6810/51445	**2.32E-05**	0.077	0.018	4.336	1.45E-05	6810/51445	**8.22E-05**
L_VLDL_P	0.137	0.015	9.042	1.54E-19	6810/51445	**1.42E-18**	0.109	0.016	6.896	5.34E-12	6810/51445	**5.54E-11**	0.082	0.017	4.790	1.67E-06	6810/51445	**1.06E-05**	0.079	0.018	4.515	6.33E-06	6810/51445	**5.08E-05**
XL_VLDL_TG	0.143	0.016	9.002	2.21E-19	6810/51445	**1.97E-18**	0.113	0.016	6.854	7.20E-12	6810/51445	**6.90E-11**	0.091	0.018	5.129	2.91E-07	6810/51445	**3.65E-06**	0.087	0.018	4.850	1.24E-06	6810/51445	**2.39E-05**

XXL_VLDL_P	0.139	0.015	8.995	2.35E-19	6810/51445	**2.02E-18**	0.110	0.016	6.833	8.34E-12	6810/51445	**7.69E-11**	0.080	0.017	4.628	3.69E-06	6810/51445	**1.96E-05**	0.076	0.018	4.330	1.49E-05	6810/51445	**8.26E-05**
XS_VLDL_TG_pct	0.138	0.015	8.988	2.53E-19	6810/51445	**2.10E-18**	0.112	0.016	7.056	1.71E-12	6810/51445	**2.13E-11**	0.092	0.017	5.363	8.20E-08	6810/51445	**2.27E-06**	0.093	0.019	4.945	7.60E-07	6810/51445	**2.37E-05**
L_HDL_PL_pct	0.216	0.024	8.886	6.34E-19	6810/51445	**5.09E-18**	0.162	0.026	6.207	5.39E-10	6810/51445	**2.58E-09**	0.135	0.028	4.731	2.23E-06	6810/51445	**1.29E-05**	0.131	0.031	4.287	1.81E-05	6810/51445	**9.58E-05**
XXL_VLDL_C	0.136	0.015	8.836	9.92E-19	6810/51445	**7.72E-18**	0.106	0.016	6.624	3.51E-11	6810/51445	**2.43E-10**	0.077	0.017	4.436	9.17E-06	6810/51445	**4.15E-05**	0.075	0.018	4.235	2.29E-05	6810/51445	**1.12E-04**
L_VLDL_L	0.134	0.015	8.812	1.23E-18	6810/51445	**9.30E-18**	0.106	0.016	6.686	2.29E-11	6810/51445	**1.78E-10**	0.080	0.017	4.675	2.94E-06	6810/51445	**1.63E-05**	0.078	0.018	4.437	9.14E-06	6810/51445	**5.69E-05**
L_HDL_P	-0.142	0.016	-8.768	1.82E-18	6810/51445	**1.33E-17**	-0.106	0.018	-6.004	1.92E-09	6810/51445	**8.25E-09**	-0.098	0.019	-5.119	3.08E-07	6810/51445	**3.65E-06**	-0.092	0.020	-4.620	3.84E-06	6810/51445	**4.07E-05**
XS_VLDL_C_pct	-0.135	0.015	-8.763	1.91E-18	6810/51445	**1.36E-17**	-0.108	0.016	-6.700	2.08E-11	6810/51445	**1.67E-10**	-0.088	0.018	-5.002	5.68E-07	6810/51445	**5.66E-06**	-0.087	0.019	-4.480	7.45E-06	6810/51445	**5.40E-05**
XS_VLDL_CE_pct	-0.135	0.015	-8.728	2.59E-18	6810/51445	**1.79E-17**	-0.107	0.016	-6.581	4.67E-11	6810/51445	**3.14E-10**	-0.087	0.018	-4.957	7.16E-07	6810/51445	**6.85E-06**	-0.086	0.019	-4.416	1.01E-05	6810/51445	**6.11E-05**
L_VLDL_FC	0.132	0.015	8.722	2.73E-18	6810/51445	**1.84E-17**	0.103	0.016	6.569	5.08E-11	6810/51445	**3.33E-10**	0.077	0.017	4.541	5.59E-06	6810/51445	**2.83E-05**	0.075	0.017	4.303	1.68E-05	6810/51445	**9.10E-05**
L_HDL_L	-0.144	0.017	-8.680	3.97E-18	6810/51445	**2.60E-17**	-0.106	0.018	-5.945	2.76E-09	6810/51445	**1.15E-08**	-0.098	0.019	-5.041	4.62E-07	6810/51445	**4.80E-06**	-0.093	0.020	-4.614	3.94E-06	6810/51445	**4.07E-05**
XXL_VLDL_L	0.135	0.016	8.670	4.30E-18	6810/51445	**2.75E-17**	0.105	0.016	6.457	1.07E-10	6810/51445	**6.32E-10**	0.075	0.018	4.255	2.09E-05	6810/51445	**8.27E-05**	0.072	0.018	4.021	5.79E-05	6810/51445	**2.44E-04**
HDL_size	-0.139	0.016	-8.572	1.02E-17	6810/51445	**6.35E-17**	-0.101	0.017	-5.807	6.38E-09	6810/51445	**2.48E-08**	-0.099	0.019	-5.185	2.16E-07	6810/51445	**3.12E-06**	-0.093	0.019	-4.777	1.78E-06	6810/51445	**2.95E-05**
HDL_CE	-0.140	0.016	-8.558	1.15E-17	6810/51445	**6.96E-17**	-0.106	0.017	-6.077	1.22E-09	6810/51445	**5.43E-09**	-0.093	0.019	-4.934	8.06E-07	6810/51445	**7.28E-06**	-0.089	0.020	-4.477	7.59E-06	6810/51445	**5.40E-05**
XS_VLDL_TG	0.127	0.015	8.549	1.25E-17	6810/51445	**7.39E-17**	0.104	0.015	6.810	9.76E-12	6810/51445	**8.68E-11**	0.066	0.017	4.016	5.92E-05	6810/51445	**2.08E-04**	0.057	0.017	3.392	6.95E-04	6810/51445	**2.16E-03**
S_VLDL_FC_pct	-0.130	0.015	-8.541	1.33E-17	6810/51445	**7.73E-17**	-0.105	0.016	-6.678	2.43E-11	6810/51445	**1.83E-10**	-0.083	0.017	-4.847	1.25E-06	6810/51445	**8.65E-06**	-0.083	0.018	-4.479	7.50E-06	6810/51445	**5.40E-05**
XXL_VLDL_CE	0.131	0.015	8.523	1.55E-17	6810/51445	**8.79E-17**	0.101	0.016	6.336	2.35E-10	6810/51445	**1.22E-09**	0.075	0.017	4.313	1.61E-05	6810/51445	**6.84E-05**	0.073	0.018	4.157	3.22E-05	6810/51445	**1.49E-04**
XL_HDL_CE	-0.121	0.014	-8.509	1.75E-17	6810/51445	**9.67E-17**	-0.092	0.015	-6.090	1.13E-09	6810/51445	**5.11E-09**	-0.084	0.016	-5.083	3.71E-07	6810/51445	**4.20E-06**	-0.081	0.017	-4.685	2.81E-06	6810/51445	**3.68E-05**
S_VLDL_PL_pct	-0.129	0.015	-8.501	1.88E-17	6810/51445	**1.02E-16**	-0.105	0.016	-6.751	1.47E-11	6810/51445	**1.26E-10**	-0.083	0.017	-4.889	1.01E-06	6810/51445	**7.63E-06**	-0.083	0.018	-4.559	5.15E-06	6810/51445	**4.51E-05**
L_VLDL_TG	0.133	0.016	8.497	1.94E-17	6810/51445	**1.03E-16**	0.103	0.016	6.395	1.61E-10	6810/51445	**8.72E-10**	0.085	0.018	4.829	1.37E-06	6810/51445	**9.00E-06**	0.083	0.018	4.599	4.25E-06	6810/51445	**4.07E-05**
XL_VLDL_FC	0.129	0.015	8.491	2.05E-17	6810/51445	**1.06E-16**	0.101	0.016	6.383	1.74E-10	6810/51445	**9.22E-10**	0.073	0.017	4.325	1.52E-05	6810/51445	**6.65E-05**	0.072	0.017	4.103	4.08E-05	6810/51445	**1.85E-04**
S_LDL_TG	0.128	0.015	8.481	2.24E-17	6810/51445	**1.14E-16**	0.102	0.016	6.528	6.67E-11	6810/51445	**4.26E-10**	0.064	0.017	3.764	1.67E-04	6810/51445	**5.23E-04**	0.056	0.017	3.239	1.20E-03	6810/51445	**3.32E-03**
XL_HDL_L	-0.133	0.016	-8.444	3.07E-17	6810/51445	**1.53E-16**	-0.098	0.017	-5.730	1.00E-08	6810/51445	**3.72E-08**	-0.094	0.018	-5.067	4.04E-07	6810/51445	**4.37E-06**	-0.094	0.019	-4.859	1.18E-06	6810/51445	**2.39E-05**
M_HDL_C_pct	-0.165	0.020	-8.318	8.91E-17	6810/51445	**4.35E-16**	-0.122	0.021	-5.792	6.94E-09	6810/51445	**2.66E-08**	-0.065	0.018	-3.541	3.99E-04	6810/51445	**1.13E-03**	-0.058	0.016	-3.722	1.98E-04	6810/51445	**7.35E-04**
M_VLDL_C_pct	-0.127	0.015	-8.300	1.04E-16	6810/51445	**4.97E-16**	-0.100	0.016	-6.265	3.73E-10	6810/51445	**1.82E-09**	-0.082	0.017	-4.749	2.04E-06	6810/51445	**1.24E-05**	-0.082	0.019	-4.341	1.42E-05	6810/51445	**8.22E-05**
HDL_C	-0.136	0.016	-8.285	1.18E-16	6810/51445	**5.46E-16**	-0.101	0.017	-5.812	6.16E-09	6810/51445	**2.44E-08**	-0.092	0.019	-4.877	1.08E-06	6810/51445	**7.89E-06**	-0.089	0.020	-4.462	8.11E-06	6810/51445	**5.48E-05**
XL_HDL_P	-0.130	0.016	-8.285	1.18E-16	6810/51445	**5.46E-16**	-0.094	0.017	-5.614	1.98E-08	6810/51445	**6.85E-08**	-0.096	0.018	-5.262	1.42E-07	6810/51445	**2.75E-06**	-0.097	0.019	-5.056	4.28E-07	6810/51445	**1.78E-05**
L_LDL_TG_pct	0.125	0.015	8.279	1.24E-16	6810/51445	**5.63E-16**	0.100	0.016	6.436	1.23E-10	6810/51445	**6.95E-10**	0.071	0.017	4.180	2.92E-05	6810/51445	**1.12E-04**	0.059	0.018	3.277	1.05E-03	6810/51445	**3.11E-03**
XXL_VLDL_PL	0.128	0.016	8.272	1.31E-16	6810/51445	**5.84E-16**	0.100	0.016	6.271	3.59E-10	6810/51445	**1.81E-09**	0.074	0.017	4.308	1.65E-05	6810/51445	**6.84E-05**	0.071	0.017	4.079	4.53E-05	6810/51445	**2.01E-04**
L_HDL_FC	-0.127	0.015	-8.200	2.41E-16	6810/51445	**1.05E-15**	-0.094	0.017	-5.644	1.66E-08	6810/51445	**5.82E-08**	-0.088	0.018	-4.868	1.13E-06	6810/51445	**8.02E-06**	-0.084	0.019	-4.461	8.15E-06	6810/51445	**5.48E-05**
M_HDL_TG	0.121	0.015	8.151	3.61E-16	6810/51445	**1.55E-15**	0.101	0.015	6.631	3.34E-11	6810/51445	**2.38E-10**	0.064	0.016	3.883	1.03E-04	6810/51445	**3.43E-04**	0.059	0.017	3.576	3.49E-04	6810/51445	**1.21E-03**
MUFA	0.123	0.015	8.138	4.03E-16	6806/51398	**1.70E-15**	0.097	0.016	6.181	6.38E-10	6806/51398	**3.00E-09**	0.059	0.017	3.437	5.88E-04	6806/51398	**1.63E-03**	0.053	0.017	3.020	2.53E-03	6806/51398	**6.77E-03**
L_HDL_PL	-0.130	0.016	-8.082	6.39E-16	6810/51445	**2.65E-15**	-0.094	0.017	-5.416	6.10E-08	6810/51445	**2.03E-07**	-0.089	0.019	-4.663	3.12E-06	6810/51445	**1.69E-05**	-0.085	0.020	-4.275	1.91E-05	6810/51445	**9.81E-05**

M_VLDL_TG	0.122	0.015	8.043	8.76E-16	6810/51445	**3.58E-15**	0.095	0.016	6.091	1.12E-09	6810/51445	**5.11E-09**	0.076	0.017	4.488	7.18E-06	6810/51445	**3.51E-05**	0.074	0.017	4.242	2.22E-05	6810/51445	**1.11E-04**
VLDL_L	0.119	0.015	7.936	2.08E-15	6810/51445	**8.35E-15**	0.092	0.015	5.973	2.34E-09	6810/51445	**9.86E-09**	0.061	0.017	3.668	2.44E-04	6810/51445	**7.33E-04**	0.060	0.017	3.463	5.34E-04	6810/51445	**1.75E-03**
IDL_FC_pct	-0.118	0.015	-7.919	2.39E-15	6810/51445	**9.44E-15**	-0.101	0.015	-6.721	1.81E-11	6810/51445	**1.50E-10**	-0.075	0.016	-4.538	5.69E-06	6810/51445	**2.83E-05**	-0.064	0.017	-3.779	1.58E-04	6810/51445	**5.95E-04**
S_HDL_C_pct	-0.118	0.015	-7.906	2.67E-15	6810/51445	**1.04E-14**	-0.098	0.015	-6.418	1.38E-10	6810/51445	**7.64E-10**	-0.059	0.017	-3.545	3.92E-04	6810/51445	**1.12E-03**	-0.050	0.017	-2.978	2.90E-03	6810/51445	**7.36E-03**
HDL_TG	0.117	0.015	7.877	3.34E-15	6810/51445	**1.28E-14**	0.097	0.015	6.452	1.10E-10	6810/51445	**6.39E-10**	0.059	0.016	3.603	3.14E-04	6810/51445	**9.09E-04**	0.054	0.017	3.263	1.10E-03	6810/51445	**3.16E-03**
L_VLDL_C	0.117	0.015	7.854	4.04E-15	6810/51445	**1.52E-14**	0.091	0.015	5.899	3.65E-09	6810/51445	**1.49E-08**	0.066	0.017	3.990	6.60E-05	6810/51445	**2.28E-04**	0.066	0.017	3.852	1.17E-04	6810/51445	**4.55E-04**
XL_VLDL_PL	0.121	0.016	7.778	7.38E-15	6810/51445	**2.74E-14**	0.093	0.016	5.893	3.80E-09	6810/51445	**1.52E-08**	0.071	0.017	4.187	2.82E-05	6810/51445	**1.10E-04**	0.068	0.017	3.977	6.99E-05	6810/51445	**2.90E-04**
IDL_C_pct	-0.117	0.015	-7.708	1.28E-14	6810/51445	**4.69E-14**	-0.094	0.015	-6.057	1.38E-09	6810/51445	**6.05E-09**	-0.070	0.017	-4.106	4.02E-05	6810/51445	**1.47E-04**	-0.063	0.018	-3.466	5.28E-04	6810/51445	**1.75E-03**
XL_VLDL_C	0.115	0.015	7.680	1.60E-14	6810/51445	**5.76E-14**	0.088	0.016	5.651	1.59E-08	6810/51445	**5.66E-08**	0.063	0.017	3.763	1.68E-04	6810/51445	**5.23E-04**	0.063	0.017	3.662	2.50E-04	6810/51445	**9.03E-04**
M_VLDL_TG_pct	0.122	0.016	7.670	1.72E-14	6810/51445	**6.13E-14**	0.093	0.016	5.684	1.31E-08	6810/51445	**4.74E-08**	0.087	0.015	5.720	1.07E-08	6810/51445	**5.91E-07**	0.088	0.016	5.535	3.12E-08	6810/51445	**3.88E-06**
M_HDL_CE_pct	-0.149	0.020	-7.649	2.03E-14	6810/51445	**7.12E-14**	-0.110	0.020	-5.383	7.34E-08	6810/51445	**2.37E-07**	-0.057	0.016	-3.607	3.09E-04	6810/51445	**9.06E-04**	-0.053	0.015	-3.633	2.81E-04	6810/51445	**9.98E-04**
S_VLDL_TG_pct	0.114	0.015	7.609	2.77E-14	6810/51445	**9.59E-14**	0.095	0.015	6.269	3.63E-10	6810/51445	**1.81E-09**	0.079	0.016	4.784	1.72E-06	6810/51445	**1.07E-05**	0.080	0.018	4.555	5.24E-06	6810/51445	**4.51E-05**
XL_HDL_FC	-0.111	0.015	-7.550	4.36E-14	6810/51445	**1.49E-13**	-0.081	0.015	-5.305	1.13E-07	6810/51445	**3.47E-07**	-0.080	0.016	-4.894	9.88E-07	6810/51445	**7.63E-06**	-0.083	0.017	-4.848	1.25E-06	6810/51445	**2.39E-05**
GlycA	0.113	0.015	7.507	6.06E-14	6810/51445	**2.04E-13**	0.077	0.016	4.766	1.88E-06	6810/51445	**4.87E-06**	0.046	0.018	2.607	9.14E-03	6810/51445	**1.96E-02**	0.039	0.018	2.176	2.96E-02	6810/51445	5.75E-02
M_LDL_TG	0.113	0.015	7.492	6.79E-14	6810/51445	**2.25E-13**	0.088	0.015	5.694	1.24E-08	6810/51445	**4.55E-08**	0.051	0.017	3.054	2.26E-03	6810/51445	**5.36E-03**	0.041	0.017	2.390	1.69E-02	6810/51445	**3.62E-02**
LDL_TG	0.108	0.015	7.256	4.00E-13	6810/51445	**1.31E-12**	0.085	0.015	5.557	2.74E-08	6810/51445	**9.23E-08**	0.048	0.017	2.862	4.21E-03	6810/51445	**9.44E-03**	0.037	0.017	2.168	3.01E-02	6810/51445	5.77E-02
IDL_TG	0.108	0.015	7.250	4.16E-13	6810/51445	**1.34E-12**	0.087	0.015	5.744	9.25E-09	6810/51445	**3.49E-08**	0.049	0.016	2.972	2.96E-03	6810/51445	**6.83E-03**	0.038	0.017	2.294	2.18E-02	6810/51445	**4.56E-02**
VLDL_PL	0.106	0.015	7.168	7.60E-13	6810/51445	**2.43E-12**	0.081	0.015	5.359	8.35E-08	6810/51445	**2.67E-07**	0.052	0.016	3.158	1.59E-03	6810/51445	**3.92E-03**	0.052	0.017	2.998	2.72E-03	6810/51445	**7.00E-03**
DHA_pct	-0.112	0.016	-7.159	8.11E-13	6806/51398	**2.56E-12**	-0.084	0.016	-5.178	2.24E-07	6806/51398	**6.57E-07**	-0.046	0.018	-2.577	9.96E-03	6806/51398	**2.10E-02**	-0.037	0.018	-2.033	4.20E-02	6806/51398	7.70E-02
M_VLDL_FC_pct	-0.106	0.015	-7.050	1.79E-12	6810/51445	**5.57E-12**	-0.082	0.015	-5.309	1.10E-07	6810/51445	**3.43E-07**	-0.072	0.017	-4.310	1.63E-05	6810/51445	**6.84E-05**	-0.074	0.018	-4.034	5.48E-05	6810/51445	**2.35E-04**
HDL_FC	-0.116	0.016	-7.035	2.00E-12	6810/51445	**6.14E-12**	-0.081	0.017	-4.675	2.94E-06	6810/51445	**7.47E-06**	-0.084	0.019	-4.477	7.56E-06	6810/51445	**3.62E-05**	-0.084	0.020	-4.213	2.52E-05	6810/51445	**1.21E-04**
M_LDL_TG_pct	0.104	0.015	6.970	3.18E-12	6810/51445	**9.65E-12**	0.085	0.015	5.596	2.20E-08	6810/51445	**7.50E-08**	0.058	0.017	3.502	4.62E-04	6810/51445	**1.29E-03**	0.048	0.017	2.722	6.48E-03	6810/51445	**1.54E-02**
L_VLDL_PL	0.109	0.016	6.956	3.50E-12	6810/51445	**1.05E-11**	0.082	0.016	5.264	1.41E-07	6810/51445	**4.24E-07**	0.066	0.017	3.922	8.79E-05	6810/51445	**2.96E-04**	0.063	0.017	3.690	2.25E-04	6810/51445	**8.22E-04**
S_VLDL_P	0.102	0.015	6.946	3.76E-12	6810/51445	**1.12E-11**	0.079	0.015	5.263	1.41E-07	6810/51445	**4.24E-07**	0.052	0.016	3.213	1.31E-03	6810/51445	**3.30E-03**	0.051	0.017	2.997	2.73E-03	6810/51445	**7.00E-03**
LA_pct	-0.108	0.016	-6.931	4.18E-12	6806/51398	**1.22E-11**	-0.075	0.016	-4.545	5.50E-06	6806/51398	**1.36E-05**	-0.052	0.018	-2.892	3.83E-03	6806/51398	**8.68E-03**	-0.043	0.019	-2.258	2.40E-02	6806/51398	**4.89E-02**
L_VLDL_CE	0.101	0.015	6.869	6.46E-12	6810/51445	**1.87E-11**	0.078	0.015	5.168	2.36E-07	6810/51445	**6.77E-07**	0.056	0.016	3.429	6.07E-04	6810/51445	**1.64E-03**	0.058	0.017	3.397	6.83E-04	6810/51445	**2.15E-03**
XL_HDL_FC_pct	0.112	0.016	6.858	7.00E-12	6808/51433	**2.00E-11**	0.072	0.017	4.149	3.34E-05	6808/51433	**7.86E-05**	0.063	0.019	3.345	8.24E-04	6808/51433	**2.16E-03**	0.059	0.019	3.006	2.65E-03	6808/51433	**7.00E-03**
XL_VLDL_CE	0.101	0.015	6.767	1.32E-11	6810/51445	**3.72E-11**	0.075	0.015	4.883	1.04E-06	6810/51445	**2.82E-06**	0.053	0.016	3.241	1.19E-03	6810/51445	**3.06E-03**	0.056	0.017	3.250	1.15E-03	6810/51445	**3.23E-03**
L_LDL_TG	0.100	0.015	6.741	1.57E-11	6810/51445	**4.39E-11**	0.079	0.015	5.171	2.32E-07	6810/51445	**6.72E-07**	0.042	0.017	2.539	1.11E-02	6810/51445	**2.27E-02**	0.031	0.017	1.815	6.95E-02	6810/51445	1.23E-01
S_VLDL_L	0.099	0.015	6.707	1.99E-11	6810/51445	**5.44E-11**	0.076	0.015	5.054	4.32E-07	6810/51445	**1.21E-06**	0.049	0.016	3.041	2.35E-03	6810/51445	**5.53E-03**	0.048	0.017	2.865	4.17E-03	6810/51445	**1.03E-02**
L_HDL_CE_pct	-0.083	0.012	-6.705	2.01E-11	6810/51445	**5.44E-11**	-0.064	0.013	-5.028	4.95E-07	6810/51445	**1.37E-06**	-0.046	0.015	-3.080	2.07E-03	6810/51445	**4.95E-03**	-0.038	0.015	-2.461	1.39E-02	6810/51445	**3.08E-02**
M_HDL_FC_pct	-0.124	0.019	-6.707	1.99E-11	6810/51445	**5.44E-11**	-0.084	0.018	-4.573	4.82E-06	6810/51445	**1.20E-05**	-0.075	0.017	-4.269	1.96E-05	6810/51445	**8.00E-05**	-0.073	0.017	-4.353	1.34E-05	6810/51445	**7.95E-05**

M_VLDL_CE_pct	-0.096	0.014	-6.698	2.11E-11	6810/51445	**5.66E-11**	-0.073	0.015	-4.905	9.36E-07	6810/51445	**2.56E-06**	-0.056	0.016	-3.409	6.53E-04	6810/51445	**1.73E-03**	-0.051	0.018	-2.879	3.99E-03	6810/51445	**1.00E-02**
XS_VLDL_PL_pct	0.104	0.016	6.578	4.75E-11	6810/51445	**1.26E-10**	0.077	0.016	4.780	1.75E-06	6810/51445	**4.60E-06**	0.069	0.018	3.961	7.48E-05	6810/51445	**2.55E-04**	0.060	0.018	3.259	1.12E-03	6810/51445	**3.16E-03**
L_HDL_C_pct	-0.076	0.012	-6.496	8.25E-11	6810/51445	**2.16E-10**	-0.059	0.012	-4.859	1.18E-06	6810/51445	**3.16E-06**	-0.046	0.014	-3.231	1.23E-03	6810/51445	**3.13E-03**	-0.039	0.014	-2.689	7.17E-03	6810/51445	**1.67E-02**
XL_VLDL_FC_pct	-0.094	0.015	-6.462	1.03E-10	6749/51000	**2.68E-10**	-0.072	0.015	-4.823	1.41E-06	6749/51000	**3.74E-06**	-0.062	0.016	-3.852	1.17E-04	6749/51000	**3.78E-04**	-0.058	0.017	-3.497	4.70E-04	6749/51000	**1.58E-03**
S_VLDL_C_pct	-0.095	0.015	-6.354	2.10E-10	6810/51445	**5.39E-10**	-0.078	0.015	-5.151	2.59E-07	6810/51445	**7.34E-07**	-0.063	0.016	-3.813	1.37E-04	6810/51445	**4.38E-04**	-0.062	0.018	-3.521	4.29E-04	6810/51445	**1.46E-03**
M_HDL_CE	-0.094	0.015	-6.316	2.69E-10	6810/51445	**6.84E-10**	-0.071	0.015	-4.763	1.90E-06	6810/51445	**4.89E-06**	-0.067	0.016	-4.170	3.05E-05	6810/51445	**1.15E-04**	-0.066	0.017	-3.859	1.14E-04	6810/51445	**4.49E-04**
XS_VLDL_FC_pct	-0.095	0.015	-6.307	2.85E-10	6810/51445	**7.17E-10**	-0.081	0.015	-5.395	6.87E-08	6810/51445	**2.25E-07**	-0.061	0.016	-3.718	2.01E-04	6810/51445	**6.10E-04**	-0.058	0.018	-3.298	9.73E-04	6810/51445	**2.92E-03**
M_HDL_C	-0.093	0.015	-6.291	3.16E-10	6810/51445	**7.87E-10**	-0.070	0.015	-4.640	3.48E-06	6810/51445	**8.75E-06**	-0.068	0.016	-4.135	3.55E-05	6810/51445	**1.32E-04**	-0.067	0.018	-3.833	1.27E-04	6810/51445	**4.86E-04**
VLDL_FC	0.091	0.015	6.178	6.50E-10	6810/51445	**1.60E-09**	0.068	0.015	4.540	5.62E-06	6810/51445	**1.37E-05**	0.041	0.016	2.546	1.09E-02	6810/51445	**2.24E-02**	0.043	0.017	2.492	1.27E-02	6810/51445	**2.85E-02**
S_HDL_FC_pct	-0.095	0.015	-6.171	6.79E-10	6810/51445	**1.66E-09**	-0.064	0.016	-4.024	5.73E-05	6810/51445	**1.30E-04**	-0.070	0.017	-4.048	5.17E-05	6810/51445	**1.84E-04**	-0.073	0.018	-4.034	5.48E-05	6810/51445	**2.35E-04**
S_HDL_CE_pct	-0.104	0.017	-6.090	1.13E-09	6810/51445	**2.73E-09**	-0.089	0.017	-5.204	1.95E-07	6810/51445	**5.79E-07**	-0.044	0.019	-2.357	1.84E-02	6810/51445	**3.56E-02**	-0.035	0.019	-1.817	6.91E-02	6810/51445	1.23E-01
L_VLDL_CE_pct	-0.088	0.015	-5.981	2.21E-09	6809/51438	**5.30E-09**	-0.065	0.015	-4.315	1.60E-05	6809/51438	**3.78E-05**	-0.056	0.016	-3.432	5.99E-04	6809/51438	**1.64E-03**	-0.052	0.017	-3.053	2.27E-03	6809/51438	**6.13E-03**
HDL_L	-0.098	0.016	-5.972	2.35E-09	6810/51445	**5.56E-09**	-0.065	0.017	-3.839	1.24E-04	6810/51445	**2.73E-04**	-0.069	0.018	-3.729	1.93E-04	6810/51445	**5.92E-04**	-0.067	0.019	-3.435	5.92E-04	6810/51445	**1.91E-03**
XL_HDL_PL	-0.083	0.014	-5.937	2.91E-09	6810/51445	**6.83E-09**	-0.056	0.015	-3.755	1.73E-04	6810/51445	**3.79E-04**	-0.053	0.016	-3.326	8.81E-04	6810/51445	**2.29E-03**	-0.051	0.017	-3.105	1.90E-03	6810/51445	**5.21E-03**
VLDL_P	0.086	0.015	5.859	4.65E-09	6810/51445	**1.08E-08**	0.065	0.015	4.383	1.17E-05	6810/51445	**2.82E-05**	0.038	0.016	2.334	1.96E-02	6810/51445	**3.75E-02**	0.038	0.017	2.215	2.68E-02	6810/51445	5.29E-02
IDL_CE_pct	-0.089	0.015	-5.856	4.75E-09	6810/51445	**1.10E-08**	-0.067	0.016	-4.339	1.43E-05	6810/51445	**3.42E-05**	-0.050	0.017	-2.940	3.28E-03	6810/51445	**7.49E-03**	-0.044	0.018	-2.428	1.52E-02	6810/51445	**3.31E-02**
XXL_VLDL_TG	0.092	0.016	5.748	9.05E-09	6810/51445	**2.07E-08**	0.066	0.016	4.082	4.47E-05	6810/51445	**1.02E-04**	0.042	0.017	2.447	1.44E-02	6810/51445	**2.85E-02**	0.041	0.017	2.348	1.89E-02	6810/51445	**4.02E-02**
Citrate	-0.088	0.015	-5.745	9.19E-09	6810/51435	**2.08E-08**	-0.082	0.015	-5.350	8.80E-08	6810/51435	**2.77E-07**	-0.074	0.017	-4.469	7.87E-06	6810/51435	**3.70E-05**	-0.066	0.017	-3.890	1.00E-04	6810/51435	**4.03E-04**
M_HDL_FC	-0.087	0.015	-5.717	1.08E-08	6810/51445	**2.43E-08**	-0.062	0.016	-3.893	9.89E-05	6810/51445	**2.22E-04**	-0.067	0.017	-3.872	1.08E-04	6810/51445	**3.54E-04**	-0.067	0.018	-3.610	3.06E-04	6810/51445	**1.07E-03**
M_VLDL_L	0.082	0.015	5.523	3.33E-08	6810/51445	**7.40E-08**	0.062	0.015	4.119	3.81E-05	6810/51445	**8.86E-05**	0.040	0.016	2.491	1.27E-02	6810/51445	**2.58E-02**	0.043	0.017	2.508	1.22E-02	6810/51445	**2.78E-02**
XXL_VLDL_PL_pct	0.078	0.015	5.217	1.82E-07	6610/49808	**4.00E-07**	0.061	0.015	4.089	4.33E-05	6610/49808	**9.97E-05**	0.048	0.016	3.018	2.55E-03	6610/49808	**5.93E-03**	0.045	0.016	2.782	5.40E-03	6610/49808	**1.31E-02**
SFA	0.079	0.015	5.188	2.12E-07	6806/51398	**4.64E-07**	0.060	0.015	3.862	1.13E-04	6806/51398	**2.50E-04**	0.022	0.017	1.319	1.87E-01	6806/51398	2.71E-01	0.019	0.017	1.081	2.80E-01	6806/51398	3.92E-01
M_HDL_P	-0.079	0.015	-5.176	2.26E-07	6810/51445	**4.90E-07**	-0.057	0.016	-3.599	3.20E-04	6810/51445	**6.74E-04**	-0.061	0.017	-3.610	3.07E-04	6810/51445	**9.06E-04**	-0.060	0.018	-3.348	8.13E-04	6810/51445	**2.50E-03**
S_LDL_FC_pct	-0.103	0.020	-5.097	3.45E-07	6810/51445	**7.40E-07**	-0.072	0.022	-3.335	8.53E-04	6810/51445	**1.73E-03**	-0.025	0.014	-1.799	7.21E-02	6810/51445	1.25E-01	-0.019	0.013	-1.434	1.52E-01	6810/51445	2.43E-01
M_LDL_FC_pct	-0.120	0.024	-4.973	6.58E-07	6810/51445	**1.40E-06**	-0.079	0.021	-3.690	2.24E-04	6810/51445	**4.78E-04**	-0.031	0.018	-1.776	7.57E-02	6810/51445	1.30E-01	-0.023	0.015	-1.546	1.22E-01	6810/51445	2.04E-01
ApoA1	-0.080	0.016	-4.949	7.46E-07	6810/51445	**1.57E-06**	-0.052	0.017	-3.134	1.72E-03	6810/51445	**3.32E-03**	-0.057	0.018	-3.167	1.54E-03	6810/51445	**3.84E-03**	-0.055	0.019	-2.872	4.08E-03	6810/51445	**1.02E-02**
S_LDL_PL_pct	-0.072	0.015	-4.905	9.36E-07	6810/51445	**1.96E-06**	-0.053	0.015	-3.543	3.96E-04	6810/51445	**8.28E-04**	-0.030	0.016	-1.868	6.17E-02	6810/51445	1.08E-01	-0.041	0.017	-2.448	1.44E-02	6810/51445	**3.17E-02**
Total_FA	0.074	0.015	4.902	9.47E-07	6806/51398	**1.96E-06**	0.057	0.015	3.720	1.99E-04	6806/51398	**4.32E-04**	0.024	0.017	1.433	1.52E-01	6806/51398	2.25E-01	0.023	0.017	1.333	1.82E-01	6806/51398	2.79E-01
XL_VLDL_TG_pct	0.089	0.018	4.872	1.10E-06	6749/51000	**2.27E-06**	0.062	0.018	3.538	4.03E-04	6749/51000	**8.35E-04**	0.078	0.018	4.256	2.08E-05	6749/51000	**8.27E-05**	0.074	0.019	3.973	7.10E-05	6749/51000	**2.90E-04**
HDL_PL	-0.078	0.016	-4.817	1.46E-06	6810/51445	**2.98E-06**	-0.049	0.017	-2.937	3.32E-03	6810/51445	**6.21E-03**	-0.056	0.018	-3.091	1.99E-03	6810/51445	**4.81E-03**	-0.055	0.019	-2.859	4.25E-03	6810/51445	**1.04E-02**
S_VLDL_CE	0.069	0.014	4.750	2.04E-06	6810/51445	**4.13E-06**	0.049	0.015	3.372	7.47E-04	6810/51445	**1.52E-03**	0.029	0.016	1.862	6.26E-02	6810/51445	1.09E-01	0.031	0.017	1.847	6.47E-02	6810/51445	1.16E-01
VLDL_C	0.069	0.015	4.735	2.19E-06	6810/51445	**4.39E-06**	0.051	0.015	3.442	5.77E-04	6810/51445	**1.19E-03**	0.027	0.016	1.682	9.26E-02	6810/51445	1.50E-01	0.030	0.017	1.747	8.06E-02	6810/51445	1.40E-01

S_VLDL_PL	0.066	0.015	4.497	6.90E-06	6810/51445	**1.37E-05**	0.048	0.015	3.260	1.11E-03	6810/51445	**2.22E-03**	0.028	0.016	1.746	8.09E-02	6810/51445	1.36E-01	0.029	0.017	1.733	8.32E-02	6810/51445	1.44E-01
Sphingomyelins	-0.069	0.016	-4.383	1.17E-05	6806/51398	**2.31E-05**	-0.052	0.016	-3.225	1.26E-03	6806/51398	**2.49E-03**	-0.059	0.017	-3.409	6.51E-04	6806/51398	**1.73E-03**	-0.063	0.019	-3.334	8.55E-04	6806/51398	**2.60E-03**
M_VLDL_P	0.064	0.015	4.381	1.18E-05	6810/51445	**2.31E-05**	0.047	0.015	3.203	1.36E-03	6810/51445	**2.67E-03**	0.028	0.016	1.771	7.65E-02	6810/51445	1.31E-01	0.032	0.017	1.865	6.21E-02	6810/51445	1.12E-01
M_VLDL_PL	0.062	0.015	4.181	2.90E-05	6810/51445	**5.64E-05**	0.047	0.015	3.136	1.71E-03	6810/51445	**3.32E-03**	0.027	0.016	1.707	8.78E-02	6810/51445	1.45E-01	0.031	0.017	1.788	7.37E-02	6810/51445	1.29E-01
HDL_P	-0.066	0.016	-4.173	3.01E-05	6810/51445	**5.81E-05**	-0.045	0.016	-2.789	5.29E-03	6810/51445	**9.47E-03**	-0.047	0.018	-2.676	7.45E-03	6810/51445	**1.63E-02**	-0.044	0.019	-2.343	1.91E-02	6810/51445	**4.03E-02**
DHA	-0.065	0.016	-4.149	3.34E-05	6806/51398	**6.39E-05**	-0.045	0.016	-2.795	5.19E-03	6806/51398	**9.44E-03**	-0.028	0.017	-1.630	1.03E-01	6806/51398	1.64E-01	-0.021	0.018	-1.171	2.42E-01	6806/51398	3.46E-01
L_VLDL_PL_pct	0.060	0.015	4.097	4.19E-05	6809/51438	**7.96E-05**	0.044	0.014	3.075	2.11E-03	6809/51438	**4.01E-03**	0.038	0.015	2.441	1.46E-02	6809/51438	**2.87E-02**	0.035	0.016	2.255	2.42E-02	6809/51438	**4.89E-02**
S_VLDL_C	0.058	0.014	3.994	6.50E-05	6810/51445	**1.23E-04**	0.041	0.015	2.818	4.83E-03	6810/51445	**8.91E-03**	0.023	0.016	1.444	1.49E-01	6810/51445	2.22E-01	0.025	0.017	1.475	1.40E-01	6810/51445	2.30E-01
IDL_FC	-0.060	0.015	-3.912	9.15E-05	6810/51445	**1.71E-04**	-0.047	0.015	-3.053	2.27E-03	6810/51445	**4.28E-03**	-0.052	0.017	-3.105	1.90E-03	6810/51445	**4.64E-03**	-0.057	0.019	-3.002	2.68E-03	6810/51445	**7.00E-03**
XS_VLDL_PL	0.058	0.015	3.903	9.48E-05	6810/51445	**1.76E-04**	0.046	0.015	3.100	1.93E-03	6810/51445	**3.70E-03**	0.016	0.016	1.023	3.06E-01	6810/51445	3.97E-01	0.014	0.017	0.816	4.15E-01	6810/51445	5.38E-01
XL_HDL_TG	0.059	0.015	3.891	9.99E-05	6810/51445	**1.84E-04**	0.056	0.015	3.709	2.08E-04	6810/51445	**4.47E-04**	0.019	0.016	1.178	2.39E-01	6810/51445	3.36E-01	0.016	0.017	0.943	3.46E-01	6810/51445	4.63E-01
Albumin	-0.058	0.015	-3.810	1.39E-04	6810/51429	**2.54E-04**	-0.037	0.015	-2.410	1.60E-02	6810/51429	**2.67E-02**	-0.029	0.017	-1.756	7.91E-02	6810/51429	1.34E-01	-0.021	0.017	-1.255	2.10E-01	6810/51429	3.11E-01
Total_P	-0.059	0.016	-3.747	1.79E-04	6810/51445	**3.25E-04**	-0.040	0.016	-2.494	1.26E-02	6810/51445	**2.14E-02**	-0.045	0.017	-2.570	1.02E-02	6810/51445	**2.11E-02**	-0.042	0.019	-2.252	2.43E-02	6810/51445	**4.89E-02**
S_VLDL_CE_pct	-0.055	0.015	-3.743	1.82E-04	6810/51445	**3.28E-04**	-0.048	0.015	-3.300	9.68E-04	6810/51445	**1.94E-03**	-0.039	0.016	-2.484	1.30E-02	6810/51445	**2.61E-02**	-0.038	0.017	-2.238	2.52E-02	6810/51445	5.02E-02
L_HDL_FC_pct	-0.048	0.013	-3.720	1.99E-04	6810/51445	**3.57E-04**	-0.036	0.014	-2.673	7.53E-03	6810/51445	**1.34E-02**	-0.036	0.015	-2.477	1.32E-02	6810/51445	**2.64E-02**	-0.034	0.015	-2.286	2.22E-02	6810/51445	**4.62E-02**
ApoB_by_ApoA1	0.055	0.015	3.708	2.09E-04	6810/51445	**3.72E-04**	0.035	0.015	2.317	2.05E-02	6810/51445	**3.36E-02**	0.024	0.016	1.469	1.42E-01	6810/51445	2.14E-01	0.025	0.018	1.415	1.57E-01	6810/51445	2.49E-01
XXL_VLDL_C_pct	-0.054	0.015	-3.667	2.45E-04	6610/49808	**4.33E-04**	-0.040	0.015	-2.663	7.75E-03	6610/49808	**1.37E-02**	-0.024	0.016	-1.525	1.27E-01	6610/49808	1.93E-01	-0.020	0.016	-1.232	2.18E-01	6610/49808	3.19E-01
M_HDL_L	-0.058	0.016	-3.629	2.84E-04	6810/51445	**4.98E-04**	-0.036	0.016	-2.204	2.76E-02	6810/51445	**4.26E-02**	-0.042	0.018	-2.383	1.72E-02	6810/51445	**3.34E-02**	-0.040	0.019	-2.140	3.24E-02	6810/51445	6.06E-02
Ala	0.064	0.018	3.608	3.09E-04	6810/51443	**5.38E-04**	0.044	0.018	2.456	1.41E-02	6810/51443	**2.37E-02**	0.052	0.019	2.659	7.84E-03	6810/51443	**1.70E-02**	0.054	0.020	2.718	6.56E-03	6810/51443	**1.54E-02**
VLDL_CE	0.052	0.015	3.581	3.42E-04	6810/51445	**5.92E-04**	0.038	0.015	2.587	9.67E-03	6810/51445	**1.67E-02**	0.016	0.016	1.040	2.99E-01	6810/51445	3.95E-01	0.020	0.017	1.180	2.38E-01	6810/51445	3.42E-01
XL_VLDL_PL_pct	0.054	0.015	3.579	3.45E-04	6749/51000	**5.92E-04**	0.042	0.015	2.813	4.90E-03	6749/51000	**8.97E-03**	0.033	0.016	2.119	3.41E-02	6749/51000	6.24E-02	0.033	0.016	2.094	3.63E-02	6749/51000	6.74E-02
SFA_pct	0.054	0.015	3.486	4.90E-04	6806/51398	**8.35E-04**	0.036	0.016	2.309	2.09E-02	6806/51398	**3.41E-02**	0.004	0.017	0.214	8.30E-01	6806/51398	8.73E-01	-0.007	0.017	-0.398	6.91E-01	6806/51398	8.04E-01
M_VLDL_PL_pct	-0.054	0.016	-3.456	5.49E-04	6810/51445	**9.30E-04**	-0.036	0.015	-2.395	1.66E-02	6810/51445	**2.76E-02**	-0.034	0.015	-2.199	2.79E-02	6810/51445	5.18E-02	-0.035	0.016	-2.193	2.83E-02	6810/51445	5.56E-02
L_VLDL_C_pct	-0.048	0.014	-3.440	5.82E-04	6809/51438	**9.80E-04**	-0.037	0.014	-2.580	9.87E-03	6809/51438	**1.70E-02**	-0.034	0.015	-2.203	2.76E-02	6809/51438	5.16E-02	-0.031	0.016	-1.964	4.95E-02	6809/51438	9.00E-02
L_VLDL_FC_pct	0.047	0.014	3.398	6.79E-04	6809/51438	**1.13E-03**	0.030	0.014	2.150	3.16E-02	6809/51438	**4.85E-02**	0.021	0.015	1.371	1.70E-01	6809/51438	2.48E-01	0.019	0.015	1.234	2.17E-01	6809/51438	3.19E-01
IDL_C	-0.051	0.015	-3.352	8.01E-04	6810/51445	**1.33E-03**	-0.038	0.015	-2.494	1.26E-02	6810/51445	**2.14E-02**	-0.045	0.017	-2.726	6.42E-03	6810/51445	**1.43E-02**	-0.050	0.019	-2.651	8.03E-03	6810/51445	**1.85E-02**
XL_HDL_CE_pct	-0.039	0.012	-3.322	8.93E-04	6808/51433	**1.47E-03**	-0.034	0.012	-2.824	4.75E-03	6808/51433	**8.82E-03**	-0.025	0.013	-1.906	5.66E-02	6808/51433	9.99E-02	-0.020	0.014	-1.459	1.45E-01	6808/51433	2.35E-01
S_HDL_PL	0.050	0.015	3.283	1.03E-03	6810/51445	**1.68E-03**	0.037	0.015	2.391	1.68E-02	6810/51445	**2.77E-02**	0.021	0.017	1.260	2.08E-01	6810/51445	2.97E-01	0.023	0.017	1.297	1.95E-01	6810/51445	2.93E-01
Pyruvate	0.044	0.014	3.244	1.18E-03	6790/51309	**1.90E-03**	0.038	0.014	2.790	5.27E-03	6790/51309	**9.47E-03**	0.040	0.015	2.722	6.48E-03	6790/51309	**1.43E-02**	0.040	0.015	2.734	6.26E-03	6790/51309	**1.50E-02**
XXL_VLDL_FC_pct	-0.047	0.014	-3.245	1.17E-03	6610/49808	**1.90E-03**	-0.030	0.015	-2.063	3.91E-02	6610/49808	5.83E-02	-0.016	0.016	-1.035	3.01E-01	6610/49808	3.95E-01	-0.015	0.016	-0.914	3.61E-01	6610/49808	4.78E-01
L_LDL_FC_pct	-0.082	0.025	-3.245	1.17E-03	6810/51445	**1.90E-03**	-0.047	0.026	-1.815	6.95E-02	6810/51445	1.02E-01	-0.022	0.014	-1.615	1.06E-01	6810/51445	1.67E-01	-0.017	0.013	-1.334	1.82E-01	6810/51445	2.79E-01
XS_VLDL_L	0.047	0.015	3.201	1.37E-03	6810/51445	**2.19E-03**	0.039	0.015	2.599	9.34E-03	6810/51445	**1.63E-02**	0.009	0.016	0.590	5.55E-01	6810/51445	6.61E-01	0.008	0.017	0.456	6.48E-01	6810/51445	7.68E-01

S_HDL_L	0.048	0.015	3.180	1.47E-03	6810/51445	**2.34E-03**	0.034	0.015	2.213	2.69E-02	6810/51445	**4.21E-02**	0.021	0.017	1.257	2.09E-01	6810/51445	2.97E-01	0.023	0.017	1.311	1.90E-01	6810/51445	2.88E-01
Total_CE	-0.048	0.015	-3.140	1.69E-03	6810/51445	**2.66E-03**	-0.034	0.015	-2.206	2.74E-02	6810/51445	**4.26E-02**	-0.043	0.017	-2.589	9.62E-03	6810/51445	**2.05E-02**	-0.045	0.019	-2.409	1.60E-02	6810/51445	**3.47E-02**
IDL_CE	-0.048	0.015	-3.134	1.72E-03	6810/51445	**2.70E-03**	-0.035	0.015	-2.281	2.26E-02	6810/51445	**3.65E-02**	-0.043	0.017	-2.573	1.01E-02	6810/51445	**2.11E-02**	-0.047	0.019	-2.502	1.23E-02	6810/51445	**2.79E-02**
Omega_3_pct	-0.048	0.015	-3.113	1.85E-03	6806/51398	**2.88E-03**	-0.035	0.016	-2.269	2.32E-02	6806/51398	**3.73E-02**	-0.018	0.017	-1.065	2.87E-01	6806/51398	3.86E-01	-0.009	0.017	-0.508	6.11E-01	6806/51398	7.39E-01
LDL_size	-0.045	0.015	-2.965	3.03E-03	6810/51445	**4.69E-03**	-0.021	0.016	-1.323	1.86E-01	6810/51445	2.53E-01	-0.003	0.017	-0.155	8.77E-01	6810/51445	9.02E-01	-0.002	0.017	-0.108	9.14E-01	6810/51445	9.40E-01
M_VLDL_FC	0.042	0.015	2.868	4.12E-03	6810/51445	**6.34E-03**	0.031	0.015	2.102	3.56E-02	6810/51445	5.37E-02	0.015	0.016	0.933	3.51E-01	6810/51445	4.46E-01	0.019	0.017	1.099	2.72E-01	6810/51445	3.82E-01
XS_VLDL_P	0.041	0.015	2.776	5.51E-03	6810/51445	**8.41E-03**	0.032	0.015	2.148	3.17E-02	6810/51445	**4.85E-02**	0.005	0.016	0.303	7.62E-01	6810/51445	8.26E-01	0.003	0.017	0.170	8.65E-01	6810/51445	9.20E-01
XXL_VLDL_CE_pct	-0.040	0.015	-2.742	6.11E-03	6610/49808	**9.27E-03**	-0.031	0.015	-2.067	3.87E-02	6610/49808	5.81E-02	-0.017	0.016	-1.055	2.91E-01	6610/49808	3.88E-01	-0.012	0.016	-0.736	4.62E-01	6610/49808	5.87E-01
L_LDL_FC	-0.041	0.016	-2.662	7.76E-03	6810/51445	**1.17E-02**	-0.031	0.014	-2.215	2.67E-02	6810/51445	**4.21E-02**	-0.030	0.014	-2.112	3.47E-02	6810/51445	6.30E-02	-0.026	0.015	-1.729	8.38E-02	6810/51445	1.44E-01
Total_C	-0.040	0.015	-2.614	8.95E-03	6810/51445	**1.34E-02**	-0.028	0.015	-1.814	6.97E-02	6810/51445	1.02E-01	-0.039	0.017	-2.329	1.99E-02	6810/51445	**3.78E-02**	-0.040	0.018	-2.160	3.08E-02	6810/51445	5.81E-02
S_VLDL_FC	0.037	0.015	2.558	1.05E-02	6810/51445	**1.57E-02**	0.026	0.015	1.790	7.34E-02	6810/51445	1.07E-01	0.011	0.016	0.710	4.78E-01	6810/51445	5.77E-01	0.014	0.017	0.816	4.15E-01	6810/51445	5.38E-01
Creatinine	0.046	0.018	2.518	1.18E-02	6399/49287	**1.75E-02**	0.024	0.018	1.287	1.98E-01	6399/49287	2.68E-01	0.004	0.020	0.180	8.57E-01	6399/49287	8.90E-01	0.004	0.020	0.213	8.31E-01	6399/49287	9.04E-01
LDL_FC	-0.035	0.014	-2.506	1.22E-02	6810/51445	**1.80E-02**	-0.028	0.013	-2.125	3.36E-02	6810/51445	5.10E-02	-0.027	0.014	-1.983	4.73E-02	6810/51445	8.42E-02	-0.023	0.014	-1.598	1.10E-01	6810/51445	1.86E-01
S_LDL_FC	-0.035	0.014	-2.481	1.31E-02	6810/51445	**1.92E-02**	-0.030	0.014	-2.230	2.57E-02	6810/51445	**4.08E-02**	-0.024	0.014	-1.737	8.24E-02	6810/51445	1.38E-01	-0.020	0.014	-1.396	1.63E-01	6810/51445	2.53E-01
Val	0.037	0.016	2.331	1.98E-02	6809/51434	**2.88E-02**	0.000	0.016	-0.007	9.95E-01	6809/51434	9.99E-01	0.021	0.018	1.157	2.47E-01	6809/51434	3.42E-01	0.019	0.018	1.024	3.06E-01	6809/51434	4.18E-01
Total_BCAA	0.036	0.016	2.315	2.06E-02	6809/51433	**2.99E-02**	0.003	0.016	0.200	8.41E-01	6809/51433	8.76E-01	0.019	0.018	1.100	2.71E-01	6809/51433	3.69E-01	0.016	0.018	0.923	3.56E-01	6809/51433	4.74E-01
IDL_L	-0.035	0.015	-2.306	2.11E-02	6810/51445	**3.04E-02**	-0.025	0.015	-1.668	9.53E-02	6810/51445	1.36E-01	-0.038	0.016	-2.277	2.28E-02	6810/51445	**4.30E-02**	-0.042	0.019	-2.255	2.42E-02	6810/51445	**4.89E-02**
Ile	0.035	0.015	2.297	2.16E-02	6810/51444	**3.09E-02**	0.010	0.015	0.655	5.13E-01	6810/51444	5.99E-01	0.020	0.017	1.196	2.32E-01	6810/51444	3.28E-01	0.018	0.017	1.032	3.02E-01	6810/51444	4.18E-01
IDL_PL_pct	0.034	0.015	2.293	2.19E-02	6810/51445	**3.11E-02**	0.033	0.015	2.243	2.49E-02	6810/51445	**3.97E-02**	0.028	0.016	1.734	8.29E-02	6810/51445	1.38E-01	0.028	0.017	1.690	9.10E-02	6810/51445	1.55E-01
M_HDL_PL	-0.037	0.016	-2.280	2.26E-02	6810/51445	**3.20E-02**	-0.019	0.016	-1.176	2.39E-01	6810/51445	3.17E-01	-0.030	0.018	-1.675	9.39E-02	6810/51445	1.51E-01	-0.028	0.019	-1.498	1.34E-01	6810/51445	2.22E-01
XS_VLDL_FC	0.032	0.015	2.177	2.95E-02	6810/51445	**4.15E-02**	0.026	0.015	1.725	8.45E-02	6810/51445	1.22E-01	0.001	0.016	0.037	9.71E-01	6810/51445	9.86E-01	-0.001	0.018	-0.039	9.69E-01	6810/51445	9.77E-01
L_HDL_TG	0.032	0.015	2.121	3.39E-02	6810/51445	**4.75E-02**	0.040	0.015	2.618	8.84E-03	6810/51445	**1.55E-02**	0.007	0.016	0.448	6.54E-01	6810/51445	7.44E-01	0.007	0.017	0.443	6.57E-01	6810/51445	7.72E-01
IDL_PL	-0.031	0.015	-2.033	4.20E-02	6810/51445	5.85E-02	-0.021	0.015	-1.371	1.70E-01	6810/51445	2.36E-01	-0.035	0.017	-2.096	3.61E-02	6810/51445	6.46E-02	-0.038	0.019	-2.048	4.05E-02	6810/51445	7.48E-02
Leu	0.032	0.016	2.008	4.46E-02	6810/51443	6.17E-02	0.004	0.016	0.228	8.20E-01	6810/51443	8.61E-01	0.015	0.018	0.841	4.00E-01	6810/51443	4.94E-01	0.011	0.018	0.611	5.41E-01	6810/51443	6.67E-01
M_LDL_FC	-0.024	0.013	-1.849	6.45E-02	6810/51445	8.88E-02	-0.022	0.013	-1.698	8.95E-02	6810/51445	1.29E-01	-0.021	0.013	-1.584	1.13E-01	6810/51445	1.77E-01	-0.017	0.014	-1.191	2.34E-01	6810/51445	3.40E-01
L_LDL_C	-0.024	0.013	-1.827	6.76E-02	6810/51445	9.25E-02	-0.019	0.013	-1.516	1.30E-01	6810/51445	1.82E-01	-0.022	0.013	-1.680	9.29E-02	6810/51445	1.50E-01	-0.018	0.014	-1.294	1.96E-01	6810/51445	2.93E-01
S_LDL_P	0.026	0.015	1.757	7.89E-02	6810/51445	1.07E-01	0.015	0.015	1.026	3.05E-01	6810/51445	3.87E-01	-0.004	0.016	-0.250	8.02E-01	6810/51445	8.52E-01	-0.004	0.017	-0.209	8.35E-01	6810/51445	9.04E-01
L_VLDL_TG_pct	-0.024	0.014	-1.708	8.77E-02	6809/51438	1.19E-01	-0.019	0.014	-1.322	1.86E-01	6809/51438	2.53E-01	-0.003	0.019	-0.163	8.70E-01	6809/51438	8.99E-01	0.000	0.019	-0.024	9.81E-01	6809/51438	9.85E-01
M_VLDL_CE	-0.025	0.015	-1.684	9.22E-02	6810/51445	1.24E-01	-0.017	0.015	-1.133	2.57E-01	6810/51445	3.37E-01	-0.017	0.016	-1.008	3.13E-01	6810/51445	4.04E-01	-0.011	0.018	-0.618	5.36E-01	6810/51445	6.64E-01
Clinical_LDL_C	-0.024	0.015	-1.597	1.10E-01	6810/51445	1.48E-01	-0.021	0.015	-1.391	1.64E-01	6810/51445	2.28E-01	-0.025	0.016	-1.576	1.15E-01	6810/51445	1.78E-01	-0.024	0.018	-1.338	1.81E-01	6810/51445	2.79E-01
M_LDL_L	0.023	0.015	1.569	1.17E-01	6810/51445	1.55E-01	0.013	0.015	0.850	3.95E-01	6810/51445	4.90E-01	0.000	0.016	0.023	9.82E-01	6810/51445	9.86E-01	0.002	0.017	0.123	9.02E-01	6810/51445	9.39E-01
L_LDL_CE	-0.021	0.014	-1.476	1.40E-01	6810/51445	1.85E-01	-0.017	0.014	-1.186	2.36E-01	6810/51445	3.14E-01	-0.022	0.015	-1.529	1.26E-01	6810/51445	1.93E-01	-0.019	0.016	-1.184	2.36E-01	6810/51445	3.42E-01

Cholines	-0.023	0.016	-1.470	1.42E-01	6806/51398	1.86E-01	-0.009	0.016	-0.576	5.64E-01	6806/51398	6.45E-01	-0.029	0.017	-1.699	8.93E-02	6806/51398	1.46E-01	-0.028	0.018	-1.548	1.22E-01	6806/51398	2.04E-01
XXL_VLDL_TG_pct	0.022	0.015	1.461	1.44E-01	6610/49808	1.89E-01	0.017	0.015	1.136	2.56E-01	6610/49808	3.37E-01	0.009	0.016	0.554	5.80E-01	6610/49808	6.84E-01	0.009	0.016	0.576	5.64E-01	6610/49808	6.85E-01
L_LDL_C_pct	-0.016	0.011	-1.433	1.52E-01	6810/51445	1.98E-01	-0.013	0.011	-1.255	2.09E-01	6810/51445	2.82E-01	-0.012	0.010	-1.141	2.54E-01	6810/51445	3.49E-01	-0.008	0.011	-0.749	4.54E-01	6810/51445	5.80E-01
S_HDL_P	0.021	0.015	1.400	1.61E-01	6810/51445	2.09E-01	0.010	0.015	0.677	4.99E-01	6810/51445	5.88E-01	0.007	0.016	0.456	6.48E-01	6810/51445	7.44E-01	0.011	0.017	0.644	5.20E-01	6810/51445	6.50E-01
XL_HDL_PL_pct	-0.019	0.014	-1.396	1.63E-01	6808/51433	2.10E-01	-0.007	0.014	-0.497	6.19E-01	6808/51433	6.91E-01	-0.009	0.015	-0.566	5.71E-01	6808/51433	6.77E-01	-0.007	0.015	-0.484	6.29E-01	6808/51433	7.53E-01
M_LDL_P	0.020	0.015	1.372	1.70E-01	6810/51445	2.18E-01	0.009	0.015	0.617	5.37E-01	6810/51445	6.22E-01	-0.005	0.016	-0.297	7.67E-01	6810/51445	8.26E-01	-0.002	0.017	-0.112	9.11E-01	6810/51445	9.40E-01
L_LDL_PL	-0.020	0.015	-1.356	1.75E-01	6810/51445	2.24E-01	-0.018	0.015	-1.209	2.27E-01	6810/51445	3.04E-01	-0.025	0.016	-1.578	1.15E-01	6810/51445	1.78E-01	-0.025	0.018	-1.401	1.61E-01	6810/51445	2.53E-01
M_LDL_PL	0.020	0.015	1.337	1.81E-01	6810/51445	2.30E-01	0.010	0.015	0.677	4.98E-01	6810/51445	5.88E-01	0.000	0.016	0.029	9.77E-01	6810/51445	9.86E-01	0.002	0.017	0.096	9.23E-01	6810/51445	9.46E-01
Total_FC	-0.019	0.015	-1.259	2.08E-01	6810/51445	2.63E-01	-0.012	0.015	-0.815	4.15E-01	6810/51445	5.09E-01	-0.027	0.016	-1.642	1.01E-01	6810/51445	1.61E-01	-0.027	0.018	-1.496	1.35E-01	6810/51445	2.22E-01
Total_L	0.019	0.015	1.257	2.09E-01	6810/51445	2.63E-01	0.017	0.015	1.099	2.72E-01	6810/51445	3.51E-01	-0.007	0.016	-0.450	6.52E-01	6810/51445	7.44E-01	-0.007	0.018	-0.382	7.02E-01	6810/51445	8.13E-01
L_LDL_L	-0.018	0.015	-1.219	2.23E-01	6810/51445	2.79E-01	-0.014	0.015	-0.952	3.41E-01	6810/51445	4.27E-01	-0.023	0.016	-1.417	1.57E-01	6810/51445	2.31E-01	-0.022	0.018	-1.256	2.09E-01	6810/51445	3.11E-01
ApoB	0.018	0.015	1.205	2.28E-01	6810/51445	2.84E-01	0.011	0.015	0.741	4.59E-01	6810/51445	5.57E-01	-0.004	0.016	-0.248	8.04E-01	6810/51445	8.52E-01	-0.003	0.018	-0.177	8.59E-01	6810/51445	9.18E-01
Acetoacetate	0.017	0.014	1.167	2.43E-01	6810/51444	3.01E-01	0.010	0.014	0.726	4.68E-01	6810/51444	5.63E-01	-0.006	0.015	-0.371	7.11E-01	6810/51444	7.83E-01	-0.007	0.015	-0.453	6.51E-01	6810/51444	7.68E-01
M_LDL_C_pct	-0.011	0.009	-1.158	2.47E-01	6810/51445	3.05E-01	-0.009	0.009	-1.037	3.00E-01	6810/51445	3.83E-01	-0.009	0.009	-1.002	3.16E-01	6810/51445	4.06E-01	-0.006	0.009	-0.596	5.51E-01	6810/51445	6.72E-01
M_LDL_PL_pct	-0.010	0.009	-1.139	2.55E-01	6810/51445	3.12E-01	-0.008	0.009	-0.866	3.86E-01	6810/51445	4.81E-01	0.000	0.011	0.031	9.75E-01	6810/51445	9.86E-01	-0.001	0.010	-0.120	9.05E-01	6810/51445	9.39E-01
Lactate	0.017	0.015	1.128	2.59E-01	6795/51308	3.16E-01	0.006	0.015	0.432	6.65E-01	6795/51308	7.33E-01	0.013	0.016	0.813	4.16E-01	6795/51308	5.08E-01	0.013	0.016	0.817	4.14E-01	6795/51308	5.38E-01
S_HDL_PL_pct	0.017	0.015	1.124	2.61E-01	6810/51445	3.17E-01	0.023	0.015	1.492	1.36E-01	6810/51445	1.90E-01	0.003	0.017	0.209	8.34E-01	6810/51445	8.73E-01	0.001	0.017	0.078	9.38E-01	6810/51445	9.57E-01
Remnant_C	0.016	0.015	1.075	2.82E-01	6810/51445	3.36E-01	0.011	0.015	0.732	4.64E-01	6810/51445	5.61E-01	-0.008	0.016	-0.471	6.37E-01	6810/51445	7.35E-01	-0.006	0.018	-0.356	7.22E-01	6810/51445	8.24E-01
LDL_C	-0.013	0.012	-1.078	2.81E-01	6810/51445	3.36E-01	-0.012	0.012	-0.987	3.24E-01	6810/51445	4.09E-01	-0.016	0.012	-1.315	1.89E-01	6810/51445	2.71E-01	-0.013	0.013	-0.950	3.42E-01	6810/51445	4.60E-01
Gly	-0.015	0.014	-1.081	2.80E-01	6805/51396	3.36E-01	-0.008	0.014	-0.568	5.70E-01	6805/51396	6.47E-01	-0.017	0.015	-1.135	2.56E-01	6805/51396	3.51E-01	-0.017	0.015	-1.114	2.65E-01	6805/51396	3.77E-01
M_LDL_CE	0.016	0.015	1.078	2.81E-01	6810/51445	3.36E-01	0.006	0.014	0.438	6.62E-01	6810/51445	7.32E-01	-0.005	0.013	-0.366	7.15E-01	6810/51445	7.84E-01	-0.001	0.014	-0.065	9.49E-01	6810/51445	9.60E-01
bOHbutyrate	-0.016	0.015	-1.056	2.91E-01	6735/50863	3.45E-01	-0.017	0.015	-1.112	2.66E-01	6735/50863	3.45E-01	-0.007	0.017	-0.401	6.89E-01	6735/50863	7.72E-01	-0.008	0.017	-0.472	6.37E-01	6735/50863	7.59E-01
S_LDL_C_pct	-0.009	0.009	-1.047	2.95E-01	6810/51445	3.48E-01	-0.009	0.009	-0.961	3.37E-01	6810/51445	4.23E-01	-0.008	0.009	-0.931	3.52E-01	6810/51445	4.46E-01	-0.005	0.009	-0.497	6.19E-01	6810/51445	7.45E-01
Tyr	0.016	0.015	1.038	2.99E-01	6801/51357	3.52E-01	-0.010	0.015	-0.663	5.08E-01	6801/51357	5.96E-01	-0.007	0.017	-0.416	6.78E-01	6801/51357	7.64E-01	-0.006	0.017	-0.374	7.08E-01	6801/51357	8.16E-01
L_LDL_CE_pct	-0.011	0.011	-0.967	3.33E-01	6810/51445	3.90E-01	-0.009	0.011	-0.815	4.15E-01	6810/51445	5.09E-01	-0.009	0.011	-0.762	4.46E-01	6810/51445	5.42E-01	-0.004	0.012	-0.366	7.14E-01	6810/51445	8.19E-01
S_LDL_L	0.014	0.015	0.957	3.39E-01	6810/51445	3.94E-01	0.006	0.015	0.393	6.94E-01	6810/51445	7.58E-01	-0.006	0.016	-0.386	6.99E-01	6810/51445	7.77E-01	-0.007	0.017	-0.402	6.88E-01	6810/51445	8.04E-01
LDL_P	0.014	0.015	0.942	3.46E-01	6810/51445	4.01E-01	0.008	0.015	0.566	5.71E-01	6810/51445	6.47E-01	-0.005	0.016	-0.301	7.64E-01	6810/51445	8.26E-01	-0.003	0.017	-0.194	8.46E-01	6810/51445	9.08E-01
His	-0.014	0.015	-0.917	3.59E-01	6802/51346	4.14E-01	-0.011	0.015	-0.688	4.91E-01	6802/51346	5.88E-01	-0.007	0.017	-0.428	6.69E-01	6802/51346	7.57E-01	-0.004	0.017	-0.247	8.05E-01	6802/51346	8.95E-01
S_LDL_CE	0.013	0.015	0.894	3.71E-01	6810/51445	4.26E-01	0.005	0.014	0.333	7.39E-01	6810/51445	7.90E-01	-0.007	0.013	-0.504	6.14E-01	6810/51445	7.11E-01	-0.003	0.014	-0.235	8.14E-01	6810/51445	9.01E-01
Acetate	-0.014	0.016	-0.872	3.83E-01	6807/51433	4.38E-01	-0.003	0.017	-0.193	8.47E-01	6807/51433	8.78E-01	-0.010	0.018	-0.548	5.84E-01	6807/51433	6.85E-01	-0.006	0.018	-0.339	7.35E-01	6807/51433	8.28E-01
Total_PL	-0.013	0.016	-0.807	4.20E-01	6810/51445	4.75E-01	-0.004	0.016	-0.228	8.20E-01	6810/51445	8.61E-01	-0.026	0.017	-1.531	1.26E-01	6810/51445	1.93E-01	-0.026	0.018	-1.437	1.51E-01	6810/51445	2.43E-01
XS_VLDL_CE	-0.012	0.015	-0.810	4.18E-01	6810/51445	4.75E-01	-0.005	0.015	-0.357	7.21E-01	6810/51445	7.77E-01	-0.024	0.016	-1.461	1.44E-01	6810/51445	2.16E-01	-0.026	0.019	-1.396	1.63E-01	6810/51445	2.53E-01

LA	0.012	0.015	0.763	4.46E-01	6806/51398	5.02E-01	0.016	0.015	1.083	2.79E-01	6806/51398	3.58E-01	-0.004	0.016	-0.213	8.31E-01	6806/51398	8.73E-01	0.001	0.018	0.066	9.47E-01	6806/51398	9.60E-01
S_HDL_FC	0.012	0.015	0.759	4.48E-01	6810/51445	5.03E-01	0.010	0.015	0.679	4.97E-01	6810/51445	5.88E-01	-0.004	0.017	-0.258	7.96E-01	6810/51445	8.51E-01	-0.004	0.018	-0.208	8.35E-01	6810/51445	9.04E-01
Phosphatidylc	-0.012	0.016	-0.746	4.55E-01	6806/51398	5.08E-01	0.003	0.016	0.210	8.34E-01	6806/51398	8.72E-01	-0.019	0.017	-1.091	2.75E-01	6806/51398	3.72E-01	-0.019	0.018	-1.025	3.05E-01	6806/51398	4.18E-01
IDL_P	-0.011	0.015	-0.729	4.66E-01	6810/51445	5.18E-01	-0.012	0.015	-0.794	4.27E-01	6810/51445	5.21E-01	-0.023	0.016	-1.408	1.59E-01	6810/51445	2.33E-01	-0.026	0.018	-1.432	1.52E-01	6810/51445	2.43E-01
L_LDL_PL_pct	-0.011	0.015	-0.719	4.72E-01	6810/51445	5.22E-01	-0.025	0.015	-1.630	1.03E-01	6810/51445	1.47E-01	-0.014	0.016	-0.851	3.95E-01	6810/51445	4.89E-01	-0.011	0.016	-0.639	5.23E-01	6810/51445	6.51E-01
Phe	-0.010	0.015	-0.679	4.97E-01	6809/51411	5.48E-01	-0.029	0.015	-1.937	5.28E-02	6809/51411	7.82E-02	-0.035	0.016	-2.096	3.60E-02	6809/51411	6.46E-02	-0.036	0.017	-2.173	2.98E-02	6809/51411	5.75E-02
Gln	-0.010	0.015	-0.653	5.14E-01	6790/51308	5.64E-01	0.010	0.015	0.628	5.30E-01	6790/51308	6.16E-01	0.015	0.017	0.879	3.79E-01	6790/51308	4.72E-01	0.013	0.017	0.784	4.33E-01	6790/51308	5.56E-01
Glucose	-0.010	0.016	-0.621	5.34E-01	6800/51337	5.84E-01	-0.025	0.016	-1.537	1.24E-01	6800/51337	1.76E-01	-0.038	0.018	-2.150	3.16E-02	6800/51337	5.82E-02	-0.040	0.018	-2.164	3.05E-02	6800/51337	5.80E-02
Omega_6	0.009	0.015	0.570	5.68E-01	6806/51398	6.18E-01	0.009	0.015	0.606	5.44E-01	6806/51398	6.28E-01	-0.010	0.016	-0.602	5.47E-01	6806/51398	6.55E-01	-0.005	0.017	-0.276	7.83E-01	6806/51398	8.74E-01
L_LDL_P	0.008	0.015	0.535	5.93E-01	6810/51445	6.42E-01	0.006	0.015	0.418	6.76E-01	6810/51445	7.42E-01	-0.005	0.016	-0.305	7.61E-01	6810/51445	8.26E-01	-0.004	0.017	-0.220	8.26E-01	6810/51445	9.04E-01
Omega_6_by_Omega_3	0.008	0.015	0.502	6.15E-01	6806/51398	6.63E-01	0.006	0.015	0.369	7.12E-01	6806/51398	7.71E-01	0.000	0.017	-0.024	9.81E-01	6806/51398	9.86E-01	-0.006	0.017	-0.339	7.35E-01	6806/51398	8.28E-01
Acetone	0.007	0.015	0.499	6.18E-01	6810/51444	6.63E-01	0.017	0.015	1.124	2.61E-01	6810/51444	3.40E-01	0.019	0.016	1.158	2.47E-01	6810/51444	3.42E-01	0.015	0.016	0.904	3.66E-01	6810/51444	4.82E-01
LDL_CE	-0.006	0.012	-0.479	6.32E-01	6810/51445	6.75E-01	-0.007	0.012	-0.537	5.91E-01	6810/51445	6.63E-01	-0.013	0.012	-1.033	3.01E-01	6810/51445	3.95E-01	-0.009	0.013	-0.682	4.95E-01	6810/51445	6.23E-01
PUFA	0.007	0.015	0.469	6.39E-01	6806/51398	6.80E-01	0.008	0.015	0.554	5.79E-01	6806/51398	6.53E-01	-0.008	0.016	-0.516	6.06E-01	6806/51398	7.08E-01	-0.003	0.017	-0.145	8.85E-01	6806/51398	9.31E-01
LDL_PL	-0.006	0.015	-0.430	6.67E-01	6810/51445	7.05E-01	-0.009	0.015	-0.581	5.61E-01	6810/51445	6.44E-01	-0.017	0.016	-1.057	2.90E-01	6810/51445	3.88E-01	-0.017	0.017	-0.961	3.36E-01	6810/51445	4.55E-01
M_LDL_C	0.006	0.014	0.428	6.68E-01	6810/51445	7.05E-01	0.000	0.013	-0.027	9.78E-01	6810/51445	9.86E-01	-0.008	0.013	-0.629	5.29E-01	6810/51445	6.37E-01	-0.004	0.014	-0.312	7.55E-01	6810/51445	8.47E-01
Phosphoglyc	-0.006	0.016	-0.398	6.91E-01	6806/51398	7.26E-01	0.003	0.016	0.189	8.50E-01	6806/51398	8.78E-01	-0.020	0.017	-1.171	2.42E-01	6806/51398	3.38E-01	-0.019	0.018	-1.057	2.90E-01	6806/51398	4.04E-01
S_LDL_CE_pct	0.005	0.014	0.370	7.11E-01	6810/51445	7.44E-01	0.001	0.011	0.104	9.17E-01	6810/51445	9.32E-01	-0.004	0.010	-0.373	7.09E-01	6810/51445	7.83E-01	0.000	0.010	0.018	9.86E-01	6810/51445	9.86E-01
S_HDL_C	0.005	0.015	0.325	7.45E-01	6810/51445	7.76E-01	-0.001	0.015	-0.083	9.34E-01	6810/51445	9.45E-01	0.000	0.016	-0.007	9.94E-01	6810/51445	9.94E-01	0.004	0.017	0.213	8.32E-01	6810/51445	9.04E-01
S_LDL_PL	-0.004	0.015	-0.257	7.97E-01	6810/51445	8.27E-01	-0.007	0.015	-0.493	6.22E-01	6810/51445	6.91E-01	-0.014	0.016	-0.904	3.66E-01	6810/51445	4.60E-01	-0.019	0.017	-1.109	2.67E-01	6810/51445	3.78E-01
M_VLDL_C	0.004	0.015	0.245	8.06E-01	6810/51445	8.33E-01	0.003	0.015	0.184	8.54E-01	6810/51445	8.78E-01	-0.006	0.016	-0.393	6.94E-01	6810/51445	7.75E-01	-0.002	0.018	-0.124	9.01E-01	6810/51445	9.39E-01
Omega_3	-0.004	0.015	-0.238	8.12E-01	6806/51398	8.35E-01	-0.002	0.015	-0.106	9.16E-01	6806/51398	9.32E-01	-0.003	0.017	-0.199	8.42E-01	6806/51398	8.77E-01	0.003	0.017	0.203	8.39E-01	6806/51398	9.05E-01
LDL_L	-0.003	0.015	-0.220	8.26E-01	6810/51445	8.46E-01	-0.005	0.015	-0.312	7.55E-01	6810/51445	8.03E-01	-0.015	0.016	-0.929	3.53E-01	6810/51445	4.46E-01	-0.014	0.017	-0.801	4.23E-01	6810/51445	5.46E-01
XL_HDL_C_pct	-0.003	0.016	-0.161	8.72E-01	6808/51433	8.90E-01	-0.022	0.016	-1.365	1.72E-01	6808/51433	2.37E-01	-0.005	0.017	-0.275	7.83E-01	6808/51433	8.41E-01	-0.003	0.018	-0.145	8.85E-01	6808/51433	9.31E-01
S_HDL_CE	0.002	0.016	0.146	8.84E-01	6810/51445	8.99E-01	-0.006	0.016	-0.352	7.25E-01	6810/51445	7.78E-01	0.001	0.017	0.085	9.33E-01	6810/51445	9.56E-01	0.006	0.018	0.351	7.25E-01	6810/51445	8.25E-01
non_HDL_C	0.002	0.015	0.127	8.99E-01	6810/51445	9.10E-01	0.000	0.015	0.000	1.00E+00	6810/51445	1.00E+00	-0.013	0.016	-0.833	4.05E-01	6810/51445	4.96E-01	-0.012	0.018	-0.683	4.95E-01	6810/51445	6.23E-01
XS_VLDL_C	0.001	0.015	0.085	9.32E-01	6810/51445	9.36E-01	0.004	0.015	0.268	7.89E-01	6810/51445	8.36E-01	-0.017	0.016	-1.028	3.04E-01	6810/51445	3.96E-01	-0.018	0.018	-0.998	3.18E-01	6810/51445	4.33E-01
M_LDL_CE_pct	0.001	0.011	0.089	9.29E-01	6810/51445	9.36E-01	-0.001	0.010	-0.145	8.85E-01	6810/51445	9.06E-01	-0.005	0.009	-0.505	6.13E-01	6810/51445	7.11E-01	-0.001	0.010	-0.143	8.86E-01	6810/51445	9.31E-01
S_LDL_C	-0.001	0.013	-0.057	9.54E-01	6810/51445	9.54E-01	-0.005	0.012	-0.388	6.98E-01	6810/51445	7.59E-01	-0.011	0.013	-0.901	3.68E-01	6810/51445	4.60E-01	-0.008	0.013	-0.608	5.43E-01	6810/51445	6.67E-01

eTable 2. Results of sensitivity analysis

	Life time MDD						Recurrent MDD					
metabolite	**beta**	**se**	**z**	**pvalue**	**n**	**fdr**	**beta**	**se**	**z**	**pvalue**	**n**	**fdr**
Total_C	-0.0399	0.0185	-2.1550	3.12E-02	5498/51404	5.88E-02	-0.0444	0.0219	-2.0252	4.28E-02	3491/61782	8.75E-02
non_HDL_C	-0.0110	0.0178	-0.6167	5.37E-01	5498/51404	6.66E-01	-0.0160	0.0211	-0.7579	4.49E-01	3491/61782	5.76E-01
Remnant_C	-0.0047	0.0179	-0.2633	7.92E-01	5498/51404	8.77E-01	-0.0077	0.0212	-0.3649	7.15E-01	3491/61782	7.85E-01
VLDL_C	0.0325	0.0172	1.8847	5.95E-02	5498/51404	1.05E-01	0.0317	0.0204	1.5497	1.21E-01	3491/61782	2.10E-01
Clinical_LDL_C	-0.0230	0.0178	-1.2916	1.97E-01	5498/51404	2.95E-01	-0.0302	0.0210	-1.4414	1.49E-01	3491/61782	2.40E-01
LDL_C	-0.0122	0.0133	-0.9194	3.58E-01	5498/51404	4.77E-01	-0.0180	0.0140	-1.2801	2.00E-01	3491/61782	2.99E-01
HDL_C	-0.0926	0.0200	-4.6165	3.90E-06	5498/51404	2.94E-05	-0.0974	0.0240	-4.0644	4.82E-05	3491/61782	7.07E-04
Total_TG	0.0766	0.0175	4.3792	1.19E-05	5498/51404	6.31E-05	0.0744	0.0207	3.5906	3.30E-04	3491/61782	1.61E-03
VLDL_TG	0.0824	0.0177	4.6599	3.16E-06	5498/51404	2.89E-05	0.0797	0.0210	3.7989	1.45E-04	3491/61782	1.09E-03
LDL_TG	0.0382	0.0171	2.2415	2.50E-02	5498/51404	4.94E-02	0.0406	0.0201	2.0160	4.38E-02	3491/61782	8.87E-02
HDL_TG	0.0556	0.0166	3.3430	8.29E-04	5498/51404	2.43E-03	0.0513	0.0197	2.6098	9.06E-03	3491/61782	2.48E-02
Total_PL	-0.0266	0.0183	-1.4508	1.47E-01	5498/51404	2.36E-01	-0.0301	0.0217	-1.3882	1.65E-01	3491/61782	2.60E-01
VLDL_PL	0.0541	0.0172	3.1359	1.71E-03	5498/51404	4.59E-03	0.0524	0.0204	2.5670	1.03E-02	3491/61782	2.72E-02
LDL_PL	-0.0160	0.0175	-0.9112	3.62E-01	5498/51404	4.77E-01	-0.0221	0.0208	-1.0640	2.87E-01	3491/61782	4.07E-01
HDL_PL	-0.0575	0.0193	-2.9822	2.86E-03	5498/51404	6.99E-03	-0.0627	0.0230	-2.7228	6.47E-03	3491/61782	1.83E-02
Total_CE	-0.0450	0.0186	-2.4158	1.57E-02	5498/51404	3.31E-02	-0.0501	0.0220	-2.2732	2.30E-02	3491/61782	5.21E-02
VLDL_CE	0.0228	0.0173	1.3139	1.89E-01	5498/51404	2.85E-01	0.0222	0.0206	1.0814	2.80E-01	3491/61782	4.07E-01
LDL_CE	-0.0085	0.0131	-0.6485	5.17E-01	5498/51404	6.50E-01	-0.0148	0.0138	-1.0710	2.84E-01	3491/61782	4.07E-01
HDL_CE	-0.0929	0.0200	-4.6400	3.48E-06	5498/51404	2.89E-05	-0.0987	0.0239	-4.1224	3.75E-05	3491/61782	6.67E-04
Total_FC	-0.0267	0.0183	-1.4615	1.44E-01	5498/51404	2.33E-01	-0.0298	0.0217	-1.3738	1.70E-01	3491/61782	2.65E-01
VLDL_FC	0.0453	0.0172	2.6292	8.56E-03	5498/51404	1.95E-02	0.0443	0.0204	2.1682	3.01E-02	3491/61782	6.42E-02
LDL_FC	-0.0228	0.0145	-1.5733	1.16E-01	5498/51404	1.92E-01	-0.0268	0.0152	-1.7692	7.69E-02	3491/61782	1.47E-01
HDL_FC	-0.0862	0.0199	-4.3334	1.47E-05	5498/51404	7.03E-05	-0.0885	0.0237	-3.7284	1.93E-04	3491/61782	1.16E-03
Total_L	-0.0061	0.0177	-0.3454	7.30E-01	5498/51404	8.37E-01	-0.0101	0.0209	-0.4811	6.30E-01	3491/61782	7.32E-01
VLDL_L	0.0625	0.0174	3.5965	3.23E-04	5498/51404	1.10E-03	0.0601	0.0206	2.9194	3.51E-03	3491/61782	1.15E-02
LDL_L	-0.0132	0.0175	-0.7532	4.51E-01	5498/51404	5.79E-01	-0.0195	0.0207	-0.9383	3.48E-01	3491/61782	4.66E-01
HDL_L	-0.0697	0.0195	-3.5655	3.63E-04	5498/51404	1.22E-03	-0.0745	0.0233	-3.1936	1.41E-03	3491/61782	4.94E-03
Total_P	-0.0438	0.0186	-2.3523	1.87E-02	5498/51404	3.81E-02	-0.0528	0.0221	-2.3869	1.70E-02	3491/61782	4.03E-02
VLDL_P	0.0402	0.0171	2.3537	1.86E-02	5498/51404	3.81E-02	0.0398	0.0202	1.9665	4.92E-02	3491/61782	9.81E-02
LDL_P	-0.0021	0.0175	-0.1187	9.05E-01	5498/51404	9.45E-01	-0.0045	0.0208	-0.2140	8.31E-01	3491/61782	8.65E-01
HDL_P	-0.0461	0.0187	-2.4631	1.38E-02	5498/51404	2.98E-02	-0.0561	0.0222	-2.5211	1.17E-02	3491/61782	3.03E-02
VLDL_size	0.0921	0.0184	5.0037	5.62E-07	5498/51404	1.50E-05	0.0866	0.0219	3.9588	7.53E-05	3491/61782	8.96E-04
LDL_size	-0.0032	0.0173	-0.1858	8.53E-01	5498/51404	9.19E-01	-0.0123	0.0206	-0.5982	5.50E-01	3491/61782	6.64E-01
HDL_size	-0.0956	0.0196	-4.8834	1.04E-06	5498/51404	1.73E-05	-0.0892	0.0234	-3.8128	1.37E-04	3491/61782	1.09E-03
Phosphoglyc	-0.0195	0.0182	-1.0709	2.84E-01	5495/51357	3.94E-01	-0.0251	0.0215	-1.1662	2.44E-01	3489/61726	3.59E-01
TG_by_PG	0.1022	0.0187	5.4688	4.53E-08	5495/51357	4.43E-06	0.1029	0.0223	4.6224	3.79E-06	3489/61726	3.80E-04
Cholines	-0.0291	0.0185	-1.5745	1.15E-01	5495/51357	1.92E-01	-0.0348	0.0219	-1.5880	1.12E-01	3489/61726	1.97E-01
Phosphatidylc	-0.0194	0.0184	-1.0540	2.92E-01	5495/51357	3.99E-01	-0.0246	0.0218	-1.1263	2.60E-01	3489/61726	3.81E-01
Sphingomyelins	-0.0636	0.0189	-3.3583	7.84E-04	5495/51357	2.32E-03	-0.0720	0.0225	-3.2056	1.35E-03	3489/61726	4.86E-03
ApoB	-0.0016	0.0176	-0.0890	9.29E-01	5498/51404	9.56E-01	-0.0041	0.0209	-0.1962	8.44E-01	3491/61782	8.76E-01
ApoA1	-0.0575	0.0191	-3.0026	2.68E-03	5498/51404	6.67E-03	-0.0645	0.0228	-2.8255	4.72E-03	3491/61782	1.45E-02
ApoB_by_ApoA1	0.0278	0.0178	1.5631	1.18E-01	5498/51404	1.95E-01	0.0290	0.0212	1.3718	1.70E-01	3491/61782	2.65E-01
Total_FA	0.0238	0.0172	1.3832	1.67E-01	5495/51357	2.64E-01	0.0191	0.0204	0.9352	3.50E-01	3489/61726	4.66E-01
Unsaturation	-0.0580	0.0185	-3.1438	1.67E-03	5495/51357	4.51E-03	-0.0506	0.0220	-2.3011	2.14E-02	3489/61726	4.93E-02

Omega_3	0.0074	0.0171	0.4347	6.64E-01	5495/51357	7.76E-01	0.0134	0.0203	0.6590	5.10E-01	3489/61726	6.25E-01
Omega_6	-0.0055	0.0175	-0.3154	7.52E-01	5495/51357	8.52E-01	-0.0113	0.0207	-0.5481	5.84E-01	3489/61726	6.95E-01
PUFA	-0.0018	0.0173	-0.1012	9.19E-01	5495/51357	9.50E-01	-0.0056	0.0205	-0.2731	7.85E-01	3489/61726	8.32E-01
MUFA	0.0534	0.0175	3.0556	2.25E-03	5495/51357	5.77E-03	0.0468	0.0207	2.2663	2.34E-02	3489/61726	5.26E-02
SFA	0.0197	0.0175	1.1280	2.59E-01	5495/51357	3.63E-01	0.0148	0.0207	0.7136	4.75E-01	3489/61726	5.98E-01
LA	0.0003	0.0176	0.0167	9.87E-01	5495/51357	9.87E-01	-0.0063	0.0208	-0.3010	7.63E-01	3489/61726	8.19E-01
DHA	-0.0168	0.0179	-0.9416	3.46E-01	5495/51357	4.69E-01	-0.0158	0.0213	-0.7401	4.59E-01	3489/61726	5.86E-01
Omega_3_pct	-0.0044	0.0174	-0.2528	8.00E-01	5495/51357	8.82E-01	0.0057	0.0207	0.2748	7.83E-01	3489/61726	8.32E-01
Omega_6_pct	-0.0629	0.0183	-3.4420	5.77E-04	5495/51357	1.75E-03	-0.0623	0.0216	-2.8797	3.98E-03	3489/61726	1.27E-02
PUFA_pct	-0.0647	0.0188	-3.4456	5.70E-04	5495/51357	1.75E-03	-0.0608	0.0223	-2.7302	6.33E-03	3489/61726	1.81E-02
MUFA_pct	0.1014	0.0188	5.3881	7.12E-08	5495/51357	4.43E-06	0.0943	0.0224	4.2016	2.65E-05	3489/61726	5.32E-04
SFA_pct	-0.0068	0.0175	-0.3862	6.99E-01	5495/51357	8.14E-01	-0.0095	0.0208	-0.4584	6.47E-01	3489/61726	7.39E-01
LA_pct	-0.0464	0.0190	-2.4355	1.49E-02	5495/51357	3.16E-02	-0.0500	0.0226	-2.2142	2.68E-02	3489/61726	5.86E-02
DHA_pct	-0.0335	0.0184	-1.8267	6.78E-02	5495/51357	1.17E-01	-0.0295	0.0219	-1.3466	1.78E-01	3489/61726	2.72E-01
PUFA_by_MUFA	-0.0898	0.0190	-4.7345	2.20E-06	5495/51357	2.39E-05	-0.0836	0.0225	-3.7095	2.08E-04	3489/61726	1.16E-03
Omega_6_by_Omega_3	-0.0106	0.0172	-0.6168	5.37E-01	5495/51357	6.66E-01	-0.0197	0.0205	-0.9634	3.35E-01	3489/61726	4.56E-01
Ala	0.0554	0.0200	2.7671	5.66E-03	5498/51402	1.35E-02	0.0386	0.0238	1.6215	1.05E-01	3491/61779	1.87E-01
Gln	0.0118	0.0170	0.6974	4.86E-01	5483/51267	6.17E-01	0.0133	0.0202	0.6618	5.08E-01	3481/61613	6.25E-01
Gly	-0.0162	0.0153	-1.0633	2.88E-01	5495/51355	3.96E-01	-0.0246	0.0181	-1.3649	1.72E-01	3491/61723	2.66E-01
His	-0.0047	0.0168	-0.2764	7.82E-01	5492/51305	8.73E-01	-0.0269	0.0202	-1.3282	1.84E-01	3489/61670	2.78E-01
Total_BCAA	0.0215	0.0179	1.1994	2.30E-01	5497/51392	3.32E-01	-0.0005	0.0214	-0.0255	9.80E-01	3490/61768	9.88E-01
Ile	0.0207	0.0171	1.2080	2.27E-01	5498/51403	3.29E-01	-0.0091	0.0205	-0.4428	6.58E-01	3491/61780	7.48E-01
Leu	0.0154	0.0178	0.8631	3.88E-01	5498/51402	5.03E-01	-0.0040	0.0213	-0.1887	8.50E-01	3491/61779	8.79E-01
Val	0.0242	0.0182	1.3309	1.83E-01	5497/51393	2.80E-01	0.0058	0.0216	0.2679	7.89E-01	3490/61769	8.32E-01
Phe	-0.0349	0.0167	-2.0911	3.65E-02	5497/51370	6.79E-02	-0.0483	0.0198	-2.4314	1.50E-02	3490/61741	3.64E-02
Tyr	-0.0056	0.0170	-0.3294	7.42E-01	5491/51316	8.44E-01	-0.0203	0.0203	-1.0012	3.17E-01	3488/61682	4.36E-01
Glucose	-0.0397	0.0183	-2.1688	3.01E-02	5490/51296	5.76E-02	-0.0341	0.0214	-1.5918	1.11E-01	3488/61656	1.97E-01
Lactate	0.0137	0.0163	0.8446	3.98E-01	5486/51267	5.14E-01	0.0046	0.0192	0.2414	8.09E-01	3485/61616	8.49E-01
Pyruvate	0.0388	0.0148	2.6233	8.71E-03	5483/51268	1.97E-02	0.0292	0.0174	1.6759	9.37E-02	3481/61614	1.69E-01
Citrate	-0.0682	0.0171	-3.9982	6.38E-05	5498/51394	2.52E-04	-0.0697	0.0202	-3.4508	5.59E-04	3491/61769	2.25E-03
bOHbutyrate	-0.0090	0.0167	-0.5386	5.90E-01	5433/50823	7.03E-01	-0.0144	0.0200	-0.7186	4.72E-01	3452/61088	5.97E-01
Acetate	-0.0062	0.0180	-0.3476	7.28E-01	5496/51392	8.37E-01	-0.0091	0.0218	-0.4188	6.75E-01	3490/61765	7.54E-01
Acetoacetate	-0.0085	0.0153	-0.5580	5.77E-01	5498/51403	6.94E-01	-0.0271	0.0176	-1.5374	1.24E-01	3491/61780	2.10E-01
Acetone	0.0149	0.0165	0.9025	3.67E-01	5498/51403	4.79E-01	0.0094	0.0196	0.4793	6.32E-01	3491/61780	7.32E-01
Creatinine	0.0042	0.0204	0.2053	8.37E-01	5159/49247	9.14E-01	0.0011	0.0243	0.0454	9.64E-01	3266/59170	9.76E-01
Albumin	-0.0196	0.0170	-1.1545	2.48E-01	5498/51388	3.54E-01	-0.0351	0.0200	-1.7518	7.98E-02	3491/61766	1.49E-01
GlycA	0.0382	0.0180	2.1270	3.34E-02	5498/51404	6.26E-02	0.0214	0.0213	1.0059	3.14E-01	3491/61782	4.36E-01
XXL_VLDL_P	0.0779	0.0176	4.4135	1.02E-05	5498/51404	5.87E-05	0.0804	0.0211	3.8193	1.34E-04	3491/61782	1.09E-03
XXL_VLDL_L	0.0733	0.0179	4.1005	4.12E-05	5498/51404	1.77E-04	0.0769	0.0214	3.6008	3.17E-04	3491/61782	1.58E-03
XXL_VLDL_PL	0.0724	0.0174	4.1556	3.24E-05	5498/51404	1.44E-04	0.0795	0.0209	3.7931	1.49E-04	3491/61782	1.09E-03
XXL_VLDL_C	0.0771	0.0178	4.3408	1.42E-05	5498/51404	6.93E-05	0.0791	0.0212	3.7267	1.94E-04	3491/61782	1.16E-03
XXL_VLDL_CE	0.0761	0.0177	4.2853	1.82E-05	5498/51404	8.57E-05	0.0758	0.0212	3.5755	3.50E-04	3491/61782	1.67E-03
XXL_VLDL_FC	0.0782	0.0177	4.4094	1.04E-05	5498/51404	5.87E-05	0.0829	0.0212	3.9134	9.10E-05	3491/61782	9.44E-04
XXL_VLDL_TG	0.0423	0.0175	2.4127	1.58E-02	5498/51404	3.31E-02	0.0471	0.0209	2.2575	2.40E-02	3491/61782	5.33E-02
XL_VLDL_P	0.0832	0.0176	4.7286	2.26E-06	5498/51404	2.39E-05	0.0783	0.0209	3.7448	1.81E-04	3491/61782	1.15E-03
XL_VLDL_L	0.0831	0.0178	4.6815	2.85E-06	5498/51404	2.73E-05	0.0783	0.0211	3.7100	2.07E-04	3491/61782	1.16E-03
XL_VLDL_PL	0.0710	0.0173	4.1055	4.03E-05	5498/51404	1.76E-04	0.0639	0.0205	3.1111	1.86E-03	3491/61782	6.27E-03
XL_VLDL_C	0.0663	0.0174	3.8141	1.37E-04	5498/51404	5.08E-04	0.0591	0.0206	2.8629	4.20E-03	3491/61782	1.31E-02
XL_VLDL_CE	0.0588	0.0173	3.4053	6.61E-04	5498/51404	1.98E-03	0.0491	0.0204	2.4055	1.62E-02	3491/61782	3.87E-02

XL_VLDL_FC	0.0744	0.0175	4.2450	2.19E-05	5498/51404	1.01E-04	0.0705	0.0208	3.3864	7.08E-04	3491/61782	2.71E-03
XL_VLDL_TG	0.0896	0.0180	4.9650	6.87E-07	5498/51404	1.53E-05	0.0852	0.0216	3.9469	7.92E-05	3491/61782	8.96E-04
L_VLDL_P	0.0819	0.0176	4.6473	3.36E-06	5498/51404	2.89E-05	0.0775	0.0209	3.7080	2.09E-04	3491/61782	1.16E-03
L_VLDL_L	0.0804	0.0176	4.5705	4.86E-06	5498/51404	3.36E-05	0.0754	0.0209	3.6066	3.10E-04	3491/61782	1.58E-03
L_VLDL_PL	0.0649	0.0171	3.8066	1.41E-04	5498/51404	5.16E-04	0.0510	0.0199	2.5683	1.02E-02	3491/61782	2.72E-02
L_VLDL_C	0.0690	0.0172	4.0045	6.22E-05	5498/51404	2.50E-04	0.0635	0.0204	3.1060	1.90E-03	3491/61782	6.30E-03
L_VLDL_CE	0.0605	0.0170	3.5518	3.83E-04	5498/51404	1.27E-03	0.0545	0.0202	2.7036	6.86E-03	3491/61782	1.92E-02
L_VLDL_FC	0.0778	0.0175	4.4478	8.68E-06	5498/51404	5.14E-05	0.0729	0.0208	3.5071	4.53E-04	3491/61782	1.96E-03
L_VLDL_TG	0.0849	0.0180	4.7088	2.49E-06	5498/51404	2.48E-05	0.0785	0.0214	3.6667	2.46E-04	3491/61782	1.30E-03
M_VLDL_P	0.0344	0.0172	1.9939	4.62E-02	5498/51404	8.45E-02	0.0315	0.0204	1.5407	1.23E-01	3491/61782	2.10E-01
M_VLDL_L	0.0454	0.0172	2.6416	8.25E-03	5498/51404	1.92E-02	0.0413	0.0204	2.0284	4.25E-02	3491/61782	8.75E-02
M_VLDL_PL	0.0333	0.0173	1.9187	5.50E-02	5498/51404	9.93E-02	0.0296	0.0205	1.4436	1.49E-01	3491/61782	2.40E-01
M_VLDL_C	-0.0006	0.0180	-0.0322	9.74E-01	5498/51404	9.85E-01	-0.0018	0.0213	-0.0864	9.31E-01	3491/61782	9.46E-01
M_VLDL_CE	-0.0126	0.0184	-0.6847	4.94E-01	5498/51404	6.24E-01	-0.0143	0.0214	-0.6659	5.05E-01	3491/61782	6.25E-01
M_VLDL_FC	0.0212	0.0174	1.2205	2.22E-01	5498/51404	3.24E-01	0.0187	0.0206	0.9088	3.63E-01	3491/61782	4.77E-01
M_VLDL_TG	0.0764	0.0175	4.3635	1.28E-05	5498/51404	6.52E-05	0.0713	0.0208	3.4340	5.95E-04	3491/61782	2.35E-03
S_VLDL_P	0.0534	0.0169	3.1504	1.63E-03	5498/51404	4.49E-03	0.0528	0.0201	2.6322	8.48E-03	3491/61782	2.35E-02
S_VLDL_L	0.0511	0.0169	3.0154	2.57E-03	5498/51404	6.52E-03	0.0500	0.0201	2.4937	1.26E-02	3491/61782	3.12E-02
S_VLDL_PL	0.0318	0.0170	1.8703	6.14E-02	5498/51404	1.07E-01	0.0300	0.0202	1.4883	1.37E-01	3491/61782	2.27E-01
S_VLDL_C	0.0274	0.0170	1.6093	1.08E-01	5498/51404	1.82E-01	0.0272	0.0201	1.3491	1.77E-01	3491/61782	2.72E-01
S_VLDL_CE	0.0336	0.0169	1.9881	4.68E-02	5498/51404	8.51E-02	0.0337	0.0200	1.6870	9.16E-02	3491/61782	1.66E-01
S_VLDL_FC	0.0161	0.0173	0.9348	3.50E-01	5498/51404	4.71E-01	0.0149	0.0205	0.7301	4.65E-01	3491/61782	5.91E-01
S_VLDL_TG	0.0792	0.0171	4.6226	3.79E-06	5498/51404	2.94E-05	0.0787	0.0203	3.8778	1.05E-04	3491/61782	9.61E-04
XS_VLDL_P	0.0049	0.0174	0.2835	7.77E-01	5498/51404	8.73E-01	0.0090	0.0207	0.4337	6.64E-01	3491/61782	7.51E-01
XS_VLDL_L	0.0099	0.0174	0.5688	5.69E-01	5498/51404	6.92E-01	0.0133	0.0206	0.6471	5.18E-01	3491/61782	6.32E-01
XS_VLDL_PL	0.0161	0.0173	0.9318	3.51E-01	5498/51404	4.71E-01	0.0206	0.0204	1.0071	3.14E-01	3491/61782	4.36E-01
XS_VLDL_C	-0.0168	0.0183	-0.9137	3.61E-01	5498/51404	4.77E-01	-0.0136	0.0218	-0.6250	5.32E-01	3491/61782	6.46E-01
XS_VLDL_CE	-0.0248	0.0187	-1.3261	1.85E-01	5498/51404	2.81E-01	-0.0223	0.0223	-1.0010	3.17E-01	3491/61782	4.36E-01
XS_VLDL_FC	0.0012	0.0176	0.0704	9.44E-01	5498/51404	9.67E-01	0.0061	0.0209	0.2901	7.72E-01	3491/61782	8.25E-01
XS_VLDL_TG	0.0589	0.0168	3.5071	4.53E-04	5498/51404	1.45E-03	0.0634	0.0199	3.1929	1.41E-03	3491/61782	4.94E-03
IDL_P	-0.0245	0.0182	-1.3445	1.79E-01	5498/51404	2.76E-01	-0.0286	0.0216	-1.3236	1.86E-01	3491/61782	2.78E-01
IDL_L	-0.0416	0.0187	-2.2203	2.64E-02	5498/51404	5.14E-02	-0.0464	0.0222	-2.0871	3.69E-02	3491/61782	7.65E-02
IDL_PL	-0.0377	0.0187	-2.0132	4.41E-02	5498/51404	8.13E-02	-0.0390	0.0222	-1.7567	7.90E-02	3491/61782	1.49E-01
IDL_C	-0.0500	0.0190	-2.6328	8.47E-03	5498/51404	1.95E-02	-0.0565	0.0225	-2.5041	1.23E-02	3491/61782	3.12E-02
IDL_CE	-0.0472	0.0190	-2.4846	1.30E-02	5498/51404	2.83E-02	-0.0561	0.0225	-2.4942	1.26E-02	3491/61782	3.12E-02
IDL_FC	-0.0565	0.0189	-2.9848	2.84E-03	5498/51404	6.99E-03	-0.0552	0.0225	-2.4547	1.41E-02	3491/61782	3.44E-02
IDL_TG	0.0401	0.0168	2.3841	1.71E-02	5498/51404	3.55E-02	0.0441	0.0199	2.2163	2.67E-02	3491/61782	5.86E-02
L_LDL_P	-0.0028	0.0176	-0.1578	8.75E-01	5498/51404	9.31E-01	-0.0066	0.0208	-0.3170	7.51E-01	3491/61782	8.13E-01
L_LDL_L	-0.0216	0.0177	-1.2195	2.23E-01	5498/51404	3.24E-01	-0.0282	0.0210	-1.3428	1.79E-01	3491/61782	2.72E-01
L_LDL_PL	-0.0242	0.0178	-1.3585	1.74E-01	5498/51404	2.75E-01	-0.0306	0.0211	-1.4500	1.47E-01	3491/61782	2.39E-01
L_LDL_C	-0.0181	0.0143	-1.2687	2.05E-01	5498/51404	3.03E-01	-0.0233	0.0151	-1.5482	1.22E-01	3491/61782	2.10E-01
L_LDL_CE	-0.0183	0.0159	-1.1488	2.51E-01	5498/51404	3.55E-01	-0.0260	0.0176	-1.4772	1.40E-01	3491/61782	2.30E-01
L_LDL_FC	-0.0262	0.0153	-1.7114	8.70E-02	5498/51404	1.49E-01	-0.0267	0.0148	-1.8043	7.12E-02	3491/61782	1.37E-01
L_LDL_TG	0.0320	0.0170	1.8854	5.94E-02	5498/51404	1.05E-01	0.0347	0.0201	1.7294	8.37E-02	3491/61782	1.56E-01
M_LDL_P	-0.0005	0.0174	-0.0295	9.77E-01	5498/51404	9.85E-01	-0.0004	0.0207	-0.0174	9.86E-01	3491/61782	9.90E-01
M_LDL_L	0.0033	0.0172	0.1899	8.49E-01	5498/51404	9.19E-01	-0.0031	0.0204	-0.1531	8.78E-01	3491/61782	9.04E-01
M_LDL_PL	0.0027	0.0168	0.1638	8.70E-01	5498/51404	9.30E-01	-0.0047	0.0197	-0.2382	8.12E-01	3491/61782	8.49E-01
M_LDL_C	-0.0037	0.0140	-0.2655	7.91E-01	5498/51404	8.77E-01	-0.0114	0.0149	-0.7638	4.45E-01	3491/61782	5.74E-01
M_LDL_CE	-0.0002	0.0136	-0.0174	9.86E-01	5498/51404	9.87E-01	-0.0083	0.0145	-0.5713	5.68E-01	3491/61782	6.80E-01

M_LDL_FC	-0.0165	0.0143	-1.1538	2.49E-01	5498/51404	3.54E-01	-0.0230	0.0153	-1.5060	1.32E-01	3491/61782	2.21E-01
M_LDL_TG	0.0422	0.0172	2.4596	1.39E-02	5498/51404	2.99E-02	0.0444	0.0203	2.1887	2.86E-02	3491/61782	6.20E-02
S_LDL_P	-0.0020	0.0174	-0.1122	9.11E-01	5498/51404	9.45E-01	-0.0025	0.0207	-0.1215	9.03E-01	3491/61782	9.26E-01
S_LDL_L	-0.0059	0.0174	-0.3409	7.33E-01	5498/51404	8.37E-01	-0.0096	0.0206	-0.4657	6.41E-01	3491/61782	7.36E-01
S_LDL_PL	-0.0186	0.0174	-1.0688	2.85E-01	5498/51404	3.94E-01	-0.0187	0.0206	-0.9082	3.64E-01	3491/61782	4.77E-01
S_LDL_C	-0.0076	0.0134	-0.5646	5.72E-01	5498/51404	6.92E-01	-0.0137	0.0142	-0.9657	3.34E-01	3491/61782	4.56E-01
S_LDL_CE	-0.0026	0.0137	-0.1893	8.50E-01	5498/51404	9.19E-01	-0.0098	0.0146	-0.6763	4.99E-01	3491/61782	6.24E-01
S_LDL_FC	-0.0195	0.0144	-1.3490	1.77E-01	5498/51404	2.76E-01	-0.0235	0.0153	-1.5303	1.26E-01	3491/61782	2.12E-01
S_LDL_TG	0.0578	0.0174	3.3242	8.87E-04	5498/51404	2.57E-03	0.0591	0.0205	2.8757	4.03E-03	3491/61782	1.27E-02
XL_HDL_P	-0.0991	0.0193	-5.1356	2.81E-07	5498/51404	1.17E-05	-0.0870	0.0232	-3.7509	1.76E-04	3491/61782	1.15E-03
XL_HDL_L	-0.0960	0.0194	-4.9519	7.35E-07	5498/51404	1.53E-05	-0.0820	0.0231	-3.5445	3.93E-04	3491/61782	1.75E-03
XL_HDL_PL	-0.0522	0.0166	-3.1483	1.64E-03	5498/51404	4.49E-03	-0.0374	0.0205	-1.8261	6.78E-02	3491/61782	1.32E-01
XL_HDL_C	-0.1028	0.0190	-5.4135	6.18E-08	5498/51404	4.43E-06	-0.0862	0.0226	-3.8125	1.38E-04	3491/61782	1.09E-03
XL_HDL_CE	-0.0826	0.0173	-4.7823	1.73E-06	5498/51404	2.39E-05	-0.0710	0.0209	-3.4026	6.67E-04	3491/61782	2.60E-03
XL_HDL_FC	-0.0839	0.0171	-4.8953	9.82E-07	5498/51404	1.73E-05	-0.0700	0.0202	-3.4709	5.19E-04	3491/61782	2.15E-03
XL_HDL_TG	0.0167	0.0167	1.0022	3.16E-01	5498/51404	4.30E-01	0.0187	0.0197	0.9509	3.42E-01	3491/61782	4.62E-01
L_HDL_P	-0.0941	0.0199	-4.7252	2.30E-06	5498/51404	2.39E-05	-0.0847	0.0238	-3.5544	3.79E-04	3491/61782	1.72E-03
L_HDL_L	-0.0960	0.0203	-4.7333	2.21E-06	5498/51404	2.39E-05	-0.0907	0.0242	-3.7452	1.80E-04	3491/61782	1.15E-03
L_HDL_PL	-0.0880	0.0200	-4.3929	1.12E-05	5498/51404	6.06E-05	-0.0867	0.0243	-3.5622	3.68E-04	3491/61782	1.72E-03
L_HDL_C	-0.0930	0.0194	-4.7878	1.69E-06	5498/51404	2.39E-05	-0.0883	0.0235	-3.7566	1.72E-04	3491/61782	1.15E-03
L_HDL_CE	-0.0924	0.0195	-4.7426	2.11E-06	5498/51404	2.39E-05	-0.0884	0.0236	-3.7493	1.77E-04	3491/61782	1.15E-03
L_HDL_FC	-0.0856	0.0188	-4.5455	5.48E-06	5498/51404	3.50E-05	-0.0790	0.0229	-3.4503	5.60E-04	3491/61782	2.25E-03
L_HDL_TG	0.0079	0.0168	0.4724	6.37E-01	5498/51404	7.48E-01	0.0060	0.0199	0.3032	7.62E-01	3491/61782	8.19E-01
M_HDL_P	-0.0629	0.0181	-3.4851	4.92E-04	5498/51404	1.55E-03	-0.0761	0.0210	-3.6231	2.91E-04	3491/61782	1.51E-03
M_HDL_L	-0.0427	0.0189	-2.2608	2.38E-02	5498/51404	4.73E-02	-0.0524	0.0225	-2.3251	2.01E-02	3491/61782	4.67E-02
M_HDL_PL	-0.0302	0.0188	-1.6069	1.08E-01	5498/51404	1.82E-01	-0.0396	0.0224	-1.7627	7.79E-02	3491/61782	1.48E-01
M_HDL_C	-0.0699	0.0175	-3.9948	6.48E-05	5498/51404	2.52E-04	-0.0887	0.0219	-4.0440	5.25E-05	3491/61782	7.27E-04
M_HDL_CE	-0.0690	0.0171	-4.0270	5.65E-05	5498/51404	2.31E-04	-0.0895	0.0218	-4.1010	4.11E-05	3491/61782	6.83E-04
M_HDL_FC	-0.0690	0.0185	-3.7382	1.85E-04	5498/51404	6.69E-04	-0.0831	0.0225	-3.7021	2.14E-04	3491/61782	1.16E-03
M_HDL_TG	0.0608	0.0167	3.6482	2.64E-04	5498/51404	9.13E-04	0.0549	0.0197	2.7807	5.42E-03	3491/61782	1.61E-02
S_HDL_P	0.0102	0.0171	0.5954	5.52E-01	5498/51404	6.77E-01	-0.0022	0.0203	-0.1087	9.13E-01	3491/61782	9.32E-01
S_HDL_L	0.0221	0.0173	1.2748	2.02E-01	5498/51404	3.02E-01	0.0102	0.0205	0.4980	6.18E-01	3491/61782	7.26E-01
S_HDL_PL	0.0219	0.0174	1.2545	2.10E-01	5498/51404	3.09E-01	0.0101	0.0207	0.4867	6.26E-01	3491/61782	7.32E-01
S_HDL_C	0.0025	0.0172	0.1475	8.83E-01	5498/51404	9.31E-01	-0.0103	0.0205	-0.5018	6.16E-01	3491/61782	7.26E-01
S_HDL_CE	0.0049	0.0178	0.2774	7.82E-01	5498/51404	8.73E-01	-0.0090	0.0211	-0.4267	6.70E-01	3491/61782	7.51E-01
S_HDL_FC	-0.0043	0.0176	-0.2422	8.09E-01	5498/51404	8.87E-01	-0.0139	0.0208	-0.6663	5.05E-01	3491/61782	6.25E-01
S_HDL_TG	0.0845	0.0174	4.8548	1.21E-06	5498/51404	1.88E-05	0.0817	0.0207	3.9519	7.75E-05	3491/61782	8.96E-04
XXL_VLDL_PL_pct	0.0449	0.0161	2.7979	5.14E-03	5335/49767	1.24E-02	0.0532	0.0194	2.7382	6.18E-03	3391/59815	1.79E-02
XXL_VLDL_C_pct	-0.0183	0.0162	-1.1312	2.58E-01	5335/49767	3.63E-01	-0.0200	0.0191	-1.0431	2.97E-01	3391/59815	4.18E-01
XXL_VLDL_CE_pct	-0.0096	0.0162	-0.5913	5.54E-01	5335/49767	6.77E-01	-0.0148	0.0191	-0.7771	4.37E-01	3391/59815	5.67E-01
XXL_VLDL_FC_pct	-0.0146	0.0161	-0.9013	3.67E-01	5335/49767	4.79E-01	-0.0072	0.0192	-0.3747	7.08E-01	3391/59815	7.80E-01
XXL_VLDL_TG_pct	0.0091	0.0164	0.5534	5.80E-01	5335/49767	6.94E-01	0.0089	0.0189	0.4713	6.37E-01	3391/59815	7.35E-01
XL_VLDL_PL_pct	0.0343	0.0159	2.1580	3.09E-02	5447/50959	5.88E-02	0.0419	0.0196	2.1421	3.22E-02	3455/61253	6.79E-02
XL_VLDL_C_pct	-0.0840	0.0177	-4.7497	2.04E-06	5447/50959	2.39E-05	-0.0878	0.0209	-4.1909	2.78E-05	3455/61253	5.32E-04
XL_VLDL_CE_pct	-0.0824	0.0178	-4.6412	3.46E-06	5447/50959	2.89E-05	-0.0884	0.0210	-4.2056	2.60E-05	3455/61253	5.32E-04
XL_VLDL_FC_pct	-0.0576	0.0166	-3.4811	4.99E-04	5447/50959	1.55E-03	-0.0492	0.0195	-2.5289	1.14E-02	3455/61253	3.00E-02
XL_VLDL_TG_pct	0.0790	0.0206	3.8370	1.25E-04	5447/50959	4.76E-04	0.1054	0.0264	3.9942	6.49E-05	3455/61253	8.51E-04
L_VLDL_PL_pct	0.0365	0.0156	2.3368	1.94E-02	5498/51397	3.94E-02	0.0216	0.0176	1.2244	2.21E-01	3491/61775	3.27E-01
L_VLDL_C_pct	-0.0297	0.0158	-1.8817	5.99E-02	5498/51397	1.05E-01	-0.0305	0.0186	-1.6440	1.00E-01	3491/61775	1.79E-01

L_VLDL_CE_pct	-0.0510	0.0170	-3.0037	2.67E-03	5498/51397	6.67E-03	-0.0519	0.0200	-2.5965	9.42E-03	3491/61775	2.55E-02
L_VLDL_FC_pct	0.0205	0.0153	1.3457	1.78E-01	5498/51397	2.76E-01	0.0194	0.0181	1.0729	2.83E-01	3491/61775	4.07E-01
L_VLDL_TG_pct	-0.0029	0.0191	-0.1498	8.81E-01	5498/51397	9.31E-01	-0.0093	0.0231	-0.4022	6.88E-01	3491/61775	7.62E-01
M_VLDL_PL_pct	-0.0347	0.0160	-2.1733	2.98E-02	5498/51404	5.74E-02	-0.0325	0.0173	-1.8802	6.01E-02	3491/61782	1.19E-01
M_VLDL_C_pct	-0.0830	0.0189	-4.3986	1.09E-05	5498/51404	6.03E-05	-0.0782	0.0223	-3.5054	4.56E-04	3491/61782	1.96E-03
M_VLDL_CE_pct	-0.0537	0.0175	-3.0673	2.16E-03	5498/51404	5.64E-03	-0.0497	0.0199	-2.4992	1.24E-02	3491/61782	3.12E-02
M_VLDL_FC_pct	-0.0741	0.0183	-4.0494	5.13E-05	5498/51404	2.17E-04	-0.0692	0.0215	-3.2105	1.33E-03	3491/61782	4.85E-03
M_VLDL_TG_pct	0.1012	0.0192	5.2658	1.40E-07	5498/51404	6.95E-06	0.0982	0.0229	4.2813	1.86E-05	3491/61782	5.32E-04
S_VLDL_PL_pct	-0.0840	0.0182	-4.6211	3.82E-06	5498/51404	2.94E-05	-0.0875	0.0215	-4.0639	4.83E-05	3491/61782	7.07E-04
S_VLDL_C_pct	-0.0632	0.0178	-3.5460	3.91E-04	5498/51404	1.27E-03	-0.0609	0.0211	-2.8877	3.88E-03	3491/61782	1.25E-02
S_VLDL_CE_pct	-0.0378	0.0170	-2.2244	2.61E-02	5498/51404	5.12E-02	-0.0341	0.0200	-1.7024	8.87E-02	3491/61782	1.64E-01
S_VLDL_FC_pct	-0.0842	0.0185	-4.5480	5.42E-06	5498/51404	3.50E-05	-0.0847	0.0219	-3.8716	1.08E-04	3491/61782	9.61E-04
S_VLDL_TG_pct	0.0806	0.0176	4.5759	4.74E-06	5498/51404	3.36E-05	0.0823	0.0210	3.9190	8.89E-05	3491/61782	9.44E-04
XS_VLDL_PL_pct	0.0607	0.0184	3.3038	9.54E-04	5498/51404	2.67E-03	0.0722	0.0218	3.3055	9.48E-04	3491/61782	3.58E-03
XS_VLDL_C_pct	-0.0884	0.0194	-4.5557	5.22E-06	5498/51404	3.50E-05	-0.0891	0.0229	-3.8882	1.01E-04	3491/61782	9.61E-04
XS_VLDL_CE_pct	-0.0880	0.0196	-4.5008	6.77E-06	5498/51404	4.11E-05	-0.0893	0.0230	-3.8788	1.05E-04	3491/61782	9.61E-04
XS_VLDL_FC_pct	-0.0584	0.0176	-3.3091	9.36E-04	5498/51404	2.65E-03	-0.0492	0.0210	-2.3396	1.93E-02	3491/61782	4.53E-02
XS_VLDL_TG_pct	0.0939	0.0188	4.9899	6.04E-07	5498/51404	1.50E-05	0.0989	0.0224	4.4108	1.03E-05	3491/61782	4.98E-04
IDL_PL_pct	0.0281	0.0166	1.6887	9.13E-02	5498/51404	1.56E-01	0.0451	0.0197	2.2882	2.21E-02	3491/61782	5.05E-02
IDL_C_pct	-0.0649	0.0183	-3.5455	3.92E-04	5498/51404	1.27E-03	-0.0752	0.0215	-3.4959	4.72E-04	3491/61782	1.99E-03
IDL_CE_pct	-0.0453	0.0181	-2.4991	1.25E-02	5498/51404	2.74E-02	-0.0674	0.0213	-3.1695	1.53E-03	3491/61782	5.28E-03
IDL_FC_pct	-0.0656	0.0171	-3.8338	1.26E-04	5498/51404	4.76E-04	-0.0443	0.0203	-2.1850	2.89E-02	3491/61782	6.20E-02
IDL_TG_pct	0.0833	0.0185	4.5059	6.61E-06	5498/51404	4.11E-05	0.0925	0.0219	4.2246	2.39E-05	3491/61782	5.32E-04
L_LDL_PL_pct	-0.0102	0.0166	-0.6161	5.38E-01	5498/51404	6.66E-01	-0.0069	0.0195	-0.3571	7.21E-01	3491/61782	7.87E-01
L_LDL_C_pct	-0.0079	0.0106	-0.7427	4.58E-01	5498/51404	5.84E-01	-0.0113	0.0106	-1.0682	2.85E-01	3491/61782	4.07E-01
L_LDL_CE_pct	-0.0042	0.0120	-0.3528	7.24E-01	5498/51404	8.37E-01	-0.0098	0.0120	-0.8157	4.15E-01	3491/61782	5.41E-01
L_LDL_FC_pct	-0.0171	0.0128	-1.3316	1.83E-01	5498/51404	2.80E-01	-0.0155	0.0108	-1.4387	1.50E-01	3491/61782	2.40E-01
L_LDL_TG_pct	0.0601	0.0181	3.3196	9.01E-04	5498/51404	2.58E-03	0.0702	0.0214	3.2872	1.01E-03	3491/61782	3.76E-03
M_LDL_PL_pct	-0.0012	0.0105	-0.1168	9.07E-01	5498/51404	9.45E-01	-0.0043	0.0108	-0.4003	6.89E-01	3491/61782	7.62E-01
M_LDL_C_pct	-0.0056	0.0094	-0.5937	5.53E-01	5498/51404	6.77E-01	-0.0088	0.0094	-0.9379	3.48E-01	3491/61782	4.66E-01
M_LDL_CE_pct	-0.0013	0.0096	-0.1342	8.93E-01	5498/51404	9.38E-01	-0.0056	0.0095	-0.5938	5.53E-01	3491/61782	6.65E-01
M_LDL_FC_pct	-0.0235	0.0152	-1.5432	1.23E-01	5498/51404	2.01E-01	-0.0230	0.0136	-1.6944	9.02E-02	3491/61782	1.65E-01
M_LDL_TG_pct	0.0480	0.0176	2.7305	6.32E-03	5498/51404	1.49E-02	0.0582	0.0207	2.8065	5.01E-03	3491/61782	1.52E-02
S_LDL_PL_pct	-0.0423	0.0167	-2.5397	1.11E-02	5498/51404	2.47E-02	-0.0290	0.0197	-1.4678	1.42E-01	3491/61782	2.33E-01
S_LDL_C_pct	-0.0046	0.0094	-0.4898	6.24E-01	5498/51404	7.40E-01	-0.0085	0.0093	-0.9132	3.61E-01	3491/61782	4.77E-01
S_LDL_CE_pct	0.0003	0.0104	0.0287	9.77E-01	5498/51404	9.85E-01	-0.0053	0.0099	-0.5411	5.88E-01	3491/61782	6.98E-01
S_LDL_FC_pct	-0.0186	0.0132	-1.4171	1.56E-01	5498/51404	2.50E-01	-0.0197	0.0128	-1.5456	1.22E-01	3491/61782	2.10E-01
S_LDL_TG_pct	0.0746	0.0177	4.2273	2.37E-05	5498/51404	1.07E-04	0.0793	0.0209	3.8008	1.44E-04	3491/61782	1.09E-03
XL_HDL_PL_pct	-0.0074	0.0154	-0.4787	6.32E-01	5497/51392	7.46E-01	0.0068	0.0205	0.3298	7.42E-01	3491/61768	8.06E-01
XL_HDL_C_pct	-0.0030	0.0176	-0.1711	8.64E-01	5497/51392	9.27E-01	0.0090	0.0212	0.4271	6.69E-01	3491/61768	7.51E-01
XL_HDL_CE_pct	-0.0208	0.0136	-1.5357	1.25E-01	5497/51392	2.03E-01	-0.0175	0.0164	-1.0634	2.88E-01	3491/61768	4.07E-01
XL_HDL_FC_pct	0.0612	0.0195	3.1304	1.75E-03	5497/51392	4.62E-03	0.0580	0.0232	2.4965	1.25E-02	3491/61768	3.12E-02
XL_HDL_TG_pct	0.0893	0.0182	4.9092	9.14E-07	5497/51392	1.73E-05	0.0803	0.0216	3.7139	2.04E-04	3491/61768	1.16E-03
L_HDL_PL_pct	0.1335	0.0307	4.3539	1.34E-05	5498/51404	6.66E-05	0.1021	0.0367	2.7815	5.41E-03	3491/61782	1.61E-02
L_HDL_C_pct	-0.0400	0.0145	-2.7656	5.68E-03	5498/51404	1.35E-02	-0.0388	0.0185	-2.0973	3.60E-02	3491/61782	7.53E-02
L_HDL_CE_pct	-0.0395	0.0154	-2.5676	1.02E-02	5498/51404	2.30E-02	-0.0388	0.0193	-2.0101	4.44E-02	3491/61782	8.92E-02
L_HDL_FC_pct	-0.0342	0.0151	-2.2722	2.31E-02	5498/51404	4.63E-02	-0.0277	0.0198	-1.3949	1.63E-01	3491/61782	2.59E-01
L_HDL_TG_pct	0.0825	0.0180	4.5805	4.64E-06	5498/51404	3.36E-05	0.0764	0.0215	3.5573	3.75E-04	3491/61782	1.72E-03
M_HDL_PL_pct	0.1405	0.0236	5.9506	2.67E-09	5498/51404	6.65E-07	0.1469	0.0281	5.2335	1.66E-07	3491/61782	4.14E-05

M_HDL_C_pct	-0.0603	0.0161	-3.7342	1.88E-04	5498/51404	6.70E-04	-0.1259	0.0278	-4.5228	6.10E-06	3491/61782	3.80E-04
M_HDL_CE_pct	-0.0543	0.0148	-3.6665	2.46E-04	5498/51404	8.62E-04	-0.1080	0.0257	-4.2011	2.66E-05	3491/61782	5.32E-04
M_HDL_FC_pct	-0.0744	0.0170	-4.3631	1.28E-05	5498/51404	6.52E-05	-0.1168	0.0257	-4.5470	5.44E-06	3491/61782	3.80E-04
M_HDL_TG_pct	0.0887	0.0176	5.0514	4.39E-07	5498/51404	1.37E-05	0.0878	0.0209	4.1940	2.74E-05	3491/61782	5.32E-04
S_HDL_PL_pct	0.0005	0.0172	0.0295	9.76E-01	5498/51404	9.85E-01	-0.0002	0.0205	-0.0117	9.91E-01	3491/61782	9.91E-01
S_HDL_C_pct	-0.0520	0.0170	-3.0651	2.18E-03	5498/51404	5.64E-03	-0.0552	0.0201	-2.7512	5.94E-03	3491/61782	1.74E-02
S_HDL_CE_pct	-0.0365	0.0191	-1.9057	5.67E-02	5498/51404	1.02E-01	-0.0422	0.0225	-1.8745	6.09E-02	3491/61782	1.19E-01
S_HDL_FC_pct	-0.0730	0.0181	-4.0303	5.57E-05	5498/51404	2.31E-04	-0.0672	0.0215	-3.1201	1.81E-03	3491/61782	6.17E-03
S_HDL_TG_pct	0.0900	0.0178	5.0629	4.13E-07	5498/51404	1.37E-05	0.0928	0.0212	4.3776	1.20E-05	3491/61782	4.98E-04

eTable 3. Significant Findings and replication in BBMRI-NL Study

	UK Biobank				BBMRI-NL				
metabolite	**Z_MDD**	**FDR_MDD**	**Z_RECURRENT**	**FDR_RECURRENT**	**Effect**	**SE**	**Z**	**pval**	**FDR**
M_HDL_PL_pct	5.8070	1.58E-06	4.7630	4.75E-04	0.0411	0.0365	1.1277	1.30E-01	2.18E-01
M_VLDL_TG_pct	5.5348	3.88E-06	3.9598	1.44E-03	0.0449	0.0241	1.8609	3.14E-02	6.28E-02
MUFA_pct	5.3906	5.48E-06	3.9769	1.44E-03	0.0876	0.0438	1.9989	2.28E-02	4.68E-02
TG_by_PG	5.3420	5.48E-06	4.3874	1.02E-03	0.1409	0.0228	6.1839	3.13E-10	8.99E-09
XL_HDL_C	-5.3094	5.48E-06	-3.4107	3.84E-03	-0.0689	0.0252	-	3.15E-03	7.42E-03
XL_HDL_P	-5.0560	1.78E-05	-3.3852	4.05E-03	-0.0933	0.0218	-	9.43E-06	4.09E-05
VLDL_size	4.9015	2.37E-05	3.8887	1.67E-03	0.1195	0.0254	4.6995	1.30E-06	8.82E-06
M_HDL_TG_pct	4.9109	2.37E-05	3.9611	1.44E-03	0.1273	0.0269	4.7362	1.09E-06	7.83E-06
S_HDL_TG_pct	4.9156	2.37E-05	4.0802	1.40E-03	0.1600	0.0204	7.8590	1.94E-15	4.45E-13
XS_VLDL_TG_pct	4.9455	2.37E-05	3.9743	1.44E-03	0.0827	0.0272	3.0451	1.16E-03	3.04E-03
XL_HDL_FC	-4.8481	2.39E-05	-3.1873	6.27E-03	-0.0924	0.0214	-	8.25E-06	3.71E-05
XL_HDL_L	-4.8587	2.39E-05	-3.2191	5.93E-03	-0.1005	0.0218	-	2.05E-06	1.24E-05
XL_VLDL_TG	4.8497	2.39E-05	3.9727	1.44E-03	0.1134	0.0295	3.8436	6.06E-05	2.05E-04
HDL_size	-4.7770	2.95E-05	-3.5915	2.69E-03	-0.0958	0.0272	-	2.10E-04	6.10E-04
XL_HDL_TG_pct	4.7843	2.95E-05	3.4595	3.37E-03	0.1273	0.0208	6.1084	5.03E-10	1.24E-08
S_HDL_TG	4.7421	3.10E-05	3.8453	1.67E-03	0.1231	0.0252	4.8740	5.47E-07	4.34E-06
XL_VLDL_C_pct	-4.7431	3.10E-05	-4.2180	1.07E-03	0.0236	0.0718	0.3292	3.71E-01	4.99E-01
PUFA_by_MUFA	-4.7178	3.30E-05	-3.4471	3.44E-03	NA	NA	NA	NA	NA
XL_HDL_CE	-4.6846	3.68E-05	-3.0651	8.34E-03	-0.0598	0.0275	-	1.47E-02	3.10E-02
L_HDL_C	-4.6641	3.86E-05	-3.3331	4.44E-03	-0.1253	0.0235	-	4.87E-08	5.90E-07
L_HDL_CE	-4.6069	4.07E-05	-3.3287	4.44E-03	-0.1128	0.0266	-	1.09E-05	4.55E-05
L_HDL_L	-4.6145	4.07E-05	-3.3516	4.35E-03	-0.1256	0.0241	-	9.56E-08	1.05E-06
L_HDL_P	-4.6199	4.07E-05	-3.1530	6.94E-03	-0.1252	0.0234	-	4.64E-08	5.90E-07
L_VLDL_TG	4.5989	4.07E-05	3.7258	2.02E-03	0.1226	0.0253	4.8558	5.99E-07	4.60E-06
XL_VLDL_P	4.5996	4.07E-05	3.7629	1.99E-03	0.1078	0.0325	3.3142	4.59E-04	1.29E-03
XL_VLDL_CE_pct	-4.6290	4.07E-05	-4.1725	1.07E-03	0.0298	0.0273	1.0909	1.38E-01	2.26E-01
S_VLDL_PL_pct	-4.5585	4.51E-05	-3.5595	2.72E-03	-0.1144	0.0205	-	1.29E-08	2.08E-07
S_VLDL_TG_pct	4.5551	4.51E-05	3.6146	2.67E-03	0.1041	0.0211	4.9444	3.82E-07	3.25E-06
VLDL_TG	4.5475	4.51E-05	3.8116	1.72E-03	0.1086	0.0289	3.7548	8.68E-05	2.77E-04
XL_VLDL_L	4.5472	4.51E-05	3.7304	2.02E-03	0.1214	0.0268	4.5383	2.83E-06	1.52E-05
L_VLDL_P	4.5151	5.08E-05	3.7254	2.02E-03	0.1167	0.0282	4.1409	1.73E-05	6.86E-05
HDL_CE	-4.4766	5.40E-05	-3.5867	2.69E-03	NA	NA	NA	NA	NA
S_VLDL_TG	4.4861	5.40E-05	3.8150	1.72E-03	0.1141	0.0274	4.1601	1.59E-05	6.42E-05
S_VLDL_FC_pct	-4.4791	5.40E-05	-3.3286	4.44E-03	-0.1384	0.0211	-	2.51E-11	9.62E-10
XS_VLDL_C_pct	-4.4803	5.40E-05	-3.3134	4.59E-03	-0.0422	0.0651	-	2.59E-01	3.81E-01
HDL_C	-4.4624	5.48E-05	-3.5233	2.87E-03	-0.1523	0.0217	-	1.24E-12	9.47E-11
L_HDL_FC	-4.4613	5.48E-05	-3.0502	8.63E-03	-0.1307	0.0224	-	2.52E-09	4.76E-08
L_HDL_TG_pct	4.4500	5.63E-05	3.2902	4.79E-03	0.0936	0.0247	3.7931	7.44E-05	2.48E-04
IDL_TG_pct	4.4407	5.69E-05	3.5606	2.72E-03	0.0854	0.0356	2.4033	8.12E-03	1.81E-02
L_VLDL_L	4.4366	5.69E-05	3.6490	2.52E-03	0.1251	0.0246	5.0808	1.88E-07	1.80E-06
XS_VLDL_CE_pct	-4.4158	6.11E-05	-3.2712	5.03E-03	-0.0391	0.0562	-	2.43E-01	3.61E-01

M_HDL_FC_pct	-4.3532	7.95E-05	-4.3714	1.02E-03	-0.0713	0.0436	-	5.09E-02	9.84E-02
XXL_VLDL_FC	4.3358	8.22E-05	3.9354	1.48E-03	0.1087	0.0333	3.2666	5.44E-04	1.49E-03
M_VLDL_C_pct	-4.3406	8.22E-05	-3.0113	9.67E-03	-0.0398	0.0369	-	1.40E-01	2.29E-01
XXL_VLDL_P	4.3297	8.26E-05	3.8712	1.67E-03	0.1089	0.0313	3.4740	2.56E-04	7.28E-04
L_VLDL_FC	4.3035	9.10E-05	3.5459	2.78E-03	0.1110	0.0301	3.6891	1.13E-04	3.50E-04
L_HDL_PL_pct	4.2874	9.58E-05	2.4316	4.02E-02	0.0552	0.0361	1.5306	6.29E-02	1.19E-01
L_HDL_PL	-4.2753	9.81E-05	-3.1930	6.26E-03	-0.1260	0.0243	-	1.05E-07	1.10E-06
Total_TG	4.2728	9.81E-05	3.5941	2.69E-03	0.1082	0.0271	3.9913	3.29E-05	1.15E-04
M_VLDL_TG	4.2416	1.11E-04	3.5243	2.87E-03	0.1346	0.0226	5.9462	1.37E-09	2.87E-08
XXL_VLDL_C	4.2348	1.12E-04	3.6937	2.20E-03	0.1121	0.0273	4.1030	2.04E-05	7.95E-05
HDL_FC	-4.2133	1.21E-04	-3.1932	6.26E-03	NA	NA	NA	NA	NA
S_LDL_TG_pct	4.1736	1.41E-04	3.3719	4.13E-03	0.0926	0.0308	3.0114	1.30E-03	3.36E-03
XXL_VLDL_CE	4.1573	1.49E-04	3.5021	3.00E-03	0.1103	0.0295	3.7414	9.15E-05	2.88E-04
XL_VLDL_FC	4.1027	1.85E-04	3.3834	4.05E-03	0.1249	0.0263	4.7509	1.01E-06	7.51E-06
XXL_VLDL_PL	4.0786	2.01E-04	3.8535	1.67E-03	0.1112	0.0306	3.6376	1.38E-04	4.16E-04
M_VLDL_FC_pct	-4.0342	2.35E-04	-2.8138	1.72E-02	0.0423	0.0318	1.3274	9.22E-02	1.63E-01
S_HDL_FC_pct	-4.0341	2.35E-04	-2.7479	2.01E-02	-0.0518	0.0409	-	1.03E-01	1.76E-01
XXL_VLDL_L	4.0213	2.44E-04	3.6268	2.65E-03	0.1226	0.0279	4.3861	5.77E-06	2.79E-05
XL_VLDL_PL	3.9766	2.90E-04	3.0973	7.84E-03	0.1154	0.0292	3.9492	3.92E-05	1.35E-04
XL_VLDL_TG_pct	3.9728	2.90E-04	3.3047	4.64E-03	0.0064	0.0057	1.1258	8.70E-01	9.08E-01
Citrate	-3.8896	4.03E-04	-3.1055	7.75E-03	-0.0291	2.6604	-	5.04E-01	6.44E-01
M_HDL_CE	-3.8594	4.49E-04	-3.5656	2.72E-03	-0.1121	0.0211	-	5.22E-08	6.00E-07
L_VLDL_C	3.8522	4.55E-04	3.1432	7.05E-03	0.1261	0.0255	4.9338	4.03E-07	3.31E-06
M_HDL_C	-3.8326	4.86E-04	-3.4975	3.00E-03	-0.1173	0.0211	-	1.36E-08	2.08E-07
IDL_FC_pct	-3.7787	5.95E-04	-2.0621	8.95E-02	-0.1017	0.0349	-	1.76E-03	4.45E-03
M_HDL_C_pct	-3.7219	7.35E-04	-4.2357	1.07E-03	-0.1195	0.0258	-	1.83E-06	1.14E-05
L_VLDL_PL	3.6896	8.22E-04	2.5176	3.27E-02	0.1226	0.0270	4.5357	2.87E-06	1.52E-05
XL_VLDL_C	3.6622	9.03E-04	2.8831	1.42E-02	0.1437	0.0205	7.0112	1.18E-12	9.47E-11
M_HDL_CE_pct	-3.6326	9.98E-04	-4.1917	1.07E-03	-0.0964	0.0272	-	2.01E-04	5.92E-04
M_HDL_FC	-3.6101	1.07E-03	-3.1385	7.05E-03	-0.1045	0.0225	-	1.74E-06	1.11E-05
M_HDL_TG	3.5756	1.21E-03	2.7780	1.89E-02	0.0583	0.0462	1.2608	1.04E-01	1.77E-01
S_VLDL_C_pct	-3.5214	1.46E-03	-2.5651	2.92E-02	-0.0562	0.0250	-	1.22E-02	2.66E-02
XL_VLDL_FC_pct	-3.4972	1.58E-03	-2.6617	2.33E-02	0.0284	0.0604	0.4698	3.19E-01	4.48E-01
IDL_C_pct	-3.4662	1.75E-03	-2.7452	2.01E-02	-0.0526	0.0492	-	1.43E-01	2.31E-01
VLDL_L	3.4629	1.75E-03	2.9928	1.01E-02	NA	NA	NA	NA	NA
HDL_L	-3.4353	1.91E-03	-2.7125	2.16E-02	NA	NA	NA	NA	NA
PUFA_pct	-3.4085	2.08E-03	-2.4545	3.86E-02	-0.0763	0.0397	-	2.74E-02	5.57E-02
L_VLDL_CE	3.3965	2.15E-03	2.7484	2.01E-02	0.1392	0.0208	6.6906	1.11E-11	5.11E-10
XS_VLDL_TG	3.3917	2.16E-03	3.0789	8.08E-03	0.1005	0.0251	4.0061	3.09E-05	1.11E-04
M_HDL_P	-3.3483	2.50E-03	-3.0790	8.08E-03	-0.0850	0.0225	-	7.77E-05	2.55E-04
Sphingomyelins	-3.3342	2.60E-03	-2.6687	2.33E-02	-0.0369	0.0271	-	8.68E-02	1.56E-01
XS_VLDL_FC_pct	-3.2983	2.92E-03	-2.1318	7.76E-02	-0.1013	0.0367	-	2.89E-03	6.93E-03
L_LDL_TG_pct	3.2774	3.11E-03	2.6638	2.33E-02	0.0651	0.0384	1.6941	4.51E-02	8.87E-02
Omega_6_pct	-3.2696	3.15E-03	-2.5373	3.13E-02	-0.0752	0.0469	-	5.45E-02	1.04E-01
Unsaturation	-3.2611	3.16E-03	-2.1188	7.87E-02	-0.0172	0.0255	-	7.51E-01	8.26E-01
HDL_TG	3.2633	3.16E-03	2.5847	2.80E-02	0.0836	0.0339	2.4652	6.85E-03	1.54E-02

XS_VLDL_PL_pct	3.2590	3.16E-03	2.6814	2.31E-02	-0.1367	0.0214	-	8.34E-11	2.74E-09
XL_VLDL_CE	3.2499	3.23E-03	2.4510	3.86E-02	0.1407	0.0205	6.8559	3.54E-12	2.04E-10
S_LDL_TG	3.2389	3.32E-03	2.8762	1.43E-02	0.0667	0.0212	3.1508	8.14E-04	2.18E-03
XL_HDL_PL	-3.1049	5.21E-03	-1.5936	2.06E-01	-0.1122	0.0218	-	1.27E-07	1.27E-06
L_VLDL_CE_pct	-3.0529	6.13E-03	-2.6298	2.53E-02	0.0009	0.0004	1.9306	9.73E-01	9.76E-01
MUFA	3.0200	6.77E-03	2.4146	4.13E-02	0.0886	0.0204	4.3397	7.13E-06	3.35E-05
IDL_FC	-3.0020	7.00E-03	-1.8112	1.48E-01	-0.0383	0.0258	-	6.89E-02	1.26E-01
VLDL_PL	2.9980	7.00E-03	2.6647	2.33E-02	NA	NA	NA	NA	NA
S_VLDL_P	2.9970	7.00E-03	2.6887	2.29E-02	0.1202	0.0221	5.4382	2.69E-08	3.87E-07
XL_HDL_FC_pct	3.0057	7.00E-03	2.1918	6.86E-02	-0.0230	0.9432	-	5.10E-01	6.48E-01
S_HDL_C_pct	-2.9784	7.36E-03	-2.4175	4.13E-02	-0.0644	0.0506	-	1.01E-01	1.75E-01
M_VLDL_CE_pct	-2.8792	1.00E-02	-1.9792	1.07E-01	-0.0184	0.0540	-	3.67E-01	4.99E-01
ApoA1	-2.8719	1.02E-02	-2.3243	5.16E-02	-0.1102	0.0220	-	2.71E-07	2.50E-06
S_VLDL_L	2.8653	1.03E-02	2.5831	2.80E-02	0.1118	0.0244	4.5844	2.28E-06	1.28E-05
HDL_PL	-2.8594	1.04E-02	-2.2885	5.56E-02	NA	NA	NA	NA	NA
XXL_VLDL_PL_pct	2.7822	1.31E-02	2.7237	2.12E-02	-0.0095	0.0134	-	7.62E-01	8.31E-01
Pyruvate	2.7337	1.50E-02	1.8743	1.32E-01	NA	NA	NA	NA	NA
M_LDL_TG_pct	2.7222	1.54E-02	2.2444	6.12E-02	0.0600	0.0364	1.6456	4.99E-02	9.73E-02
Ala	2.7183	1.54E-02	1.7793	1.56E-01	0.0237	0.0307	0.7722	2.20E-01	3.35E-01
L_HDL_C_pct	-2.6887	1.67E-02	-1.8108	1.48E-01	-0.1034	0.0225	-	2.12E-06	1.25E-05
IDL_C	-2.6507	1.85E-02	-1.7656	1.58E-01	-0.0100	0.0297	-	6.32E-01	7.42E-01
M_VLDL_L	2.5077	2.78E-02	2.2671	5.82E-02	0.1165	0.0257	4.5333	2.90E-06	1.52E-05
IDL_CE	-2.5023	2.79E-02	-1.7277	1.65E-01	0.0073	0.0123	0.5969	7.25E-01	8.05E-01
VLDL_FC	2.4925	2.85E-02	2.3186	5.19E-02	NA	NA	NA	NA	NA
L_HDL_CE_pct	-2.4605	3.08E-02	-1.7345	1.64E-01	-0.0920	0.0229	-	3.00E-05	1.10E-04
S_LDL_PL_pct	-2.4475	3.17E-02	-1.5020	2.37E-01	0.0208	0.0423	0.4914	3.12E-01	4.42E-01
IDL_CE_pct	-2.4284	3.31E-02	-2.3249	5.16E-02	0.0027	0.0017	1.5633	9.41E-01	9.55E-01
Total_CE	-2.4087	3.47E-02	-1.5525	2.21E-01	-0.0358	0.0269	-	9.18E-02	1.63E-01
M_LDL_TG	2.3899	3.62E-02	2.2282	6.31E-02	0.0303	0.0273	1.1079	1.34E-01	2.22E-01
XXL_VLDL_TG	2.3478	4.02E-02	2.6259	2.53E-02	0.1021	0.0347	2.9405	1.64E-03	4.19E-03
HDL_P	-2.3435	4.03E-02	-1.9361	1.16E-01	NA	NA	NA	NA	NA
IDL_TG	2.2940	4.56E-02	2.1735	7.12E-02	0.0681	0.0208	3.2693	5.39E-04	1.49E-03
L_HDL_FC_pct	-2.2861	4.62E-02	-1.1390	3.99E-01	-0.0836	0.0316	-	4.11E-03	9.45E-03
LA_pct	-2.2577	4.89E-02	-1.5382	2.24E-01	-0.0247	0.1030	-	5.95E-01	7.16E-01
IDL_L	-2.2545	4.89E-02	-1.4153	2.70E-01	-0.0015	0.0009	-	9.44E-01	9.55E-01
L_VLDL_PL_pct	2.2547	4.89E-02	1.1187	4.05E-01	0.0041	0.0040	1.0085	8.43E-01	8.90E-01
Total_P	-2.2516	4.89E-02	-1.7578	1.59E-01	NA	NA	NA	NA	NA

eTable 4. Novel Findings of the study

	UK Biobank				BBMRI-NL				
metabolite	**Z_MDD**	**FDR_MDD**	**Z_RECURRENT**	**FDR_RECURRENT**	**Effect**	**SE**	**Z**	**Pvalue**	**FDR**
M_HDL_PL_pct	5.8070	1.58E-06	4.7630	4.75E-04	0.0411	0.0365	1.1277	1.30E-01	2.18E-01
M_VLDL_TG_pct	5.5348	3.88E-06	3.9598	1.44E-03	0.0449	0.0241	1.8609	3.14E-02	6.28E-02
XL_VLDL_C_pct	-4.7431	3.10E-05	-4.2180	1.07E-03	0.0236	0.0718	0.3292	3.71E-01	4.99E-01
PUFA_by_MUFA	-4.7178	3.30E-05	-3.4471	3.44E-03	NA	NA	NA	NA	NA
XL_VLDL_CE_pct	-4.6290	4.07E-05	-4.1725	1.07E-03	0.0298	0.0273	1.0909	1.38E-01	2.26E-01
HDL_CE	-4.4766	5.40E-05	-3.5867	2.69E-03	NA	NA	NA	NA	NA
XS_VLDL_C_pct	-4.4803	5.40E-05	-3.3134	4.59E-03	-0.0422	0.0651	-0.6475	2.59E-01	3.81E-01
XS_VLDL_CE_pct	-4.4158	6.11E-05	-3.2712	5.03E-03	-0.0391	0.0562	-0.6951	2.43E-01	3.61E-01
M_HDL_FC_pct	-4.3532	7.95E-05	-4.3714	1.02E-03	-0.0713	0.0436	-1.6362	5.09E-02	9.84E-02
M_VLDL_C_pct	-4.3406	8.22E-05	-3.0113	9.67E-03	-0.0398	0.0369	-1.0785	1.40E-01	2.29E-01
L_HDL_PL_pct	4.2874	9.58E-05	2.4316	4.02E-02	0.0552	0.0361	1.5306	6.29E-02	1.19E-01
HDL_FC	-4.2133	1.21E-04	-3.1932	6.26E-03	NA	NA	NA	NA	NA
M_VLDL_FC_pct	-4.0342	2.35E-04	-2.8138	1.72E-02	0.0423	0.0318	1.3274	9.22E-02	1.63E-01
S_HDL_FC_pct	-4.0341	2.35E-04	-2.7479	2.01E-02	-0.0518	0.0409	-1.2658	1.03E-01	1.76E-01
XL_VLDL_TG_pct	3.9728	2.90E-04	3.3047	4.64E-03	0.0064	0.0057	1.1258	8.70E-01	9.08E-01
Citrate	-3.8896	4.03E-04	-3.1055	7.75E-03	-0.0291	2.6604	-0.0109	5.04E-01	6.44E-01
M_HDL_TG	3.5756	1.21E-03	2.7780	1.89E-02	0.0583	0.0462	1.2608	1.04E-01	1.77E-01
XL_VLDL_FC_pct	-3.4972	1.58E-03	-2.6617	2.33E-02	0.0284	0.0604	0.4698	3.19E-01	4.48E-01
IDL_C_pct	-3.4662	1.75E-03	-2.7452	2.01E-02	-0.0526	0.0492	-1.0691	1.43E-01	2.31E-01
VLDL_L	3.4629	1.75E-03	2.9928	1.01E-02	NA	NA	NA	NA	NA
HDL_L	-3.4353	1.91E-03	-2.7125	2.16E-02	NA	NA	NA	NA	NA
PUFA_pct	-3.4085	2.08E-03	-2.4545	3.86E-02	-0.0763	0.0397	-1.9211	2.74E-02	5.57E-02
Sphingomyelins	-3.3342	2.60E-03	-2.6687	2.33E-02	-0.0369	0.0271	-1.3607	8.68E-02	1.56E-01
L_LDL_TG_pct	3.2774	3.11E-03	2.6638	2.33E-02	0.0651	0.0384	1.6941	4.51E-02	8.87E-02
Omega_6_pct	-3.2696	3.15E-03	-2.5373	3.13E-02	-0.0752	0.0469	-1.6027	5.45E-02	1.04E-01
Unsaturation	-3.2611	3.16E-03	-2.1188	7.87E-02	-0.0172	0.0255	-0.6769	7.51E-01	8.26E-01
L_VLDL_CE_pct	-3.0529	6.13E-03	-2.6298	2.53E-02	0.0009	0.0004	1.9306	9.73E-01	9.76E-01
IDL_FC	-3.0020	7.00E-03	-1.8112	1.48E-01	-0.0383	0.0258	-1.4843	6.89E-02	1.26E-01
VLDL_PL	2.9980	7.00E-03	2.6647	2.33E-02	NA	NA	NA	NA	NA
XL_HDL_FC_pct	3.0057	7.00E-03	2.1918	6.86E-02	-0.0230	0.9432	-0.0244	5.10E-01	6.48E-01
S_HDL_C_pct	-2.9784	7.36E-03	-2.4175	4.13E-02	-0.0644	0.0506	-1.2743	1.01E-01	1.75E-01
M_VLDL_CE_pct	-2.8792	1.00E-02	-1.9792	1.07E-01	-0.0184	0.0540	-0.3405	3.67E-01	4.99E-01
HDL_PL	-2.8594	1.04E-02	-2.2885	5.56E-02	NA	NA	NA	NA	NA
XXL_VLDL_PL_pct	2.7822	1.31E-02	2.7237	2.12E-02	-0.0095	0.0134	-0.7132	7.62E-01	8.31E-01
Pyruvate	2.7337	1.50E-02	1.8743	1.32E-01	NA	NA	NA	NA	NA
M_LDL_TG_pct	2.7222	1.54E-02	2.2444	6.12E-02	0.0600	0.0364	1.6456	4.99E-02	9.73E-02
Ala	2.7183	1.54E-02	1.7793	1.56E-01	0.0237	0.0307	0.7722	2.20E-01	3.35E-01
IDL_C	-2.6507	1.85E-02	-1.7656	1.58E-01	-0.0100	0.0297	-0.3371	6.32E-01	7.42E-01
IDL_CE	-2.5023	2.79E-02	-1.7277	1.65E-01	0.0073	0.0123	0.5969	7.25E-01	8.05E-01
VLDL_FC	2.4925	2.85E-02	2.3186	5.19E-02	NA	NA	NA	NA	NA
S_LDL_PL_pct	-2.4475	3.17E-02	-1.5020	2.37E-01	0.0208	0.0423	0.4914	3.12E-01	4.42E-01
IDL_CE_pct	-2.4284	3.31E-02	-2.3249	5.16E-02	0.0027	0.0017	1.5633	9.41E-01	9.55E-01
Total_CE	-2.4087	3.47E-02	-1.5525	2.21E-01	-0.0358	0.0269	-1.3296	9.18E-02	1.63E-01
M_LDL_TG	2.3899	3.62E-02	2.2282	6.31E-02	0.0303	0.0273	1.1079	1.34E-01	2.22E-01
HDL_P	-2.3435	4.03E-02	-1.9361	1.16E-01	NA	NA	NA	NA	NA
LA_pct	-2.2577	4.89E-02	-1.5382	2.24E-01	-0.0247	0.1030	-0.2398	5.95E-01	7.16E-01
IDL_L	-2.2545	4.89E-02	-1.4153	2.70E-01	-0.0015	0.0009	-1.5865	9.44E-01	9.55E-01
L_VLDL_PL_pct	2.2547	4.89E-02	1.1187	4.05E-01	0.0041	0.0040	1.0085	8.43E-01	8.90E-01
Total_P	-2.2516	4.89E-02	-1.7578	1.59E-01	NA	NA	NA	NA	NA

eTable 5. Results of replication in the PReDICT study

		HRSD-17			HRSA		
Metabolite	**N**	**Beta**	**Std. Error**	**Pr(>|t|)**	**Beta**	**Std. Error**	**Pr(>|t|)**
Pyruvate	163	0.00006	0.00002	2.56E-02	0.00013	0.00004	7.18E-04
Citric acid	208	-0.001	0.0005	4.18E-02	-0.0026	0.00077	9.19E-04
L_Alanine	208	0	0.00018	9.88E-01	0.00018	0.00028	5.17E-01
C18:2(cis_9,12)	208	-0.0003	0.00017	7.35E-02	-0.0005	0.00026	3.84E-02
C18:3(cis_6,9,12)	208	-0.0169	0.00963	8.13E-02	-0.0249	0.01494	9.78E-02
C18:3(cis_9,12,15)	208	-0.0031	0.00163	6.05E-02	-0.0054	0.00252	3.38E-02
C19:2(cis_10,13)	208	-0.0247	0.01302	5.89E-02	-0.0547	0.02	6.84E-03
C20:2(cis_11,14)	208	-0.006	0.0036	9.82E-02	-0.0109	0.00557	5.14E-02
C20:3(cis_8,11,14)	208	-0.0067	0.00649	3.05E-01	-0.0091	0.01006	3.65E-01
C20:4(cis_5,8,11,14)	208	-0.0061	0.00302	4.39E-02	-0.0158	0.0046	7.57E-04
C20:5(cis_5,8,11,14,17)	208	-0.0251	0.0143	8.11E-02	-0.0635	0.02189	4.17E-03
C22:4(cis_7,10,13,16)	208	-0.0131	0.00658	4.75E-02	-0.0235	0.01017	2.17E-02
C22:5(cis_4,7,10,13,16)	208	-0.0188	0.01661	2.59E-01	-0.0227	0.02579	3.79E-01
C22:5(cis_7,10,13,16,19)	208	-0.0158	0.00764	3.98E-02	-0.0344	0.01172	3.75E-03
C22:6(cis_4,7,10,13,16,19)	208	-0.0026	0.00398	5.18E-01	-0.0084	0.00615	1.74E-01

eTable 6. Results of Mendelian Randomization analysis

method	nsnp	b	se	pval	analysis	exposure	outcome
MR Egger	57	0.0667223	0.067091	0.3243329	TwoSample_MR	Ala	MDD
Weighted median	57	0.0378879	0.0301999	0.209635	TwoSample_MR	Ala	MDD
Inverse variance weighted	57	0.0092916	0.0281596	0.741428	TwoSample_MR	Ala	MDD
Simple mode	57	0.0120272	0.0660859	0.8562451	TwoSample_MR	Ala	MDD
Weighted mode	57	0.0335892	0.053407	0.5319529	TwoSample_MR	Ala	MDD
MR Egger	92	0.0077517	0.0284373	0.7857941	TwoSample_MR	ApoA1	MDD
Weighted median	92	0.0058253	0.0184715	0.7524833	TwoSample_MR	ApoA1	MDD
Inverse variance weighted	92	0.0224671	0.0167259	0.1791917	TwoSample_MR	ApoA1	MDD
Simple mode	92	-0.0048043	0.0333036	0.8856166	TwoSample_MR	ApoA1	MDD
Weighted mode	92	0.0077864	0.0190952	0.6844018	TwoSample_MR	ApoA1	MDD
MR Egger	48	-0.0189866	0.0325635	0.5626993	TwoSample_MR	Citrate	MDD
Weighted median	48	0.0137925	0.0269352	0.6086086	TwoSample_MR	Citrate	MDD
Inverse variance weighted	48	0.0068533	0.0191829	0.7208962	TwoSample_MR	Citrate	MDD
Simple mode	48	0.0519499	0.0535942	0.3373479	TwoSample_MR	Citrate	MDD
Weighted mode	48	0.0037736	0.0280376	0.8935094	TwoSample_MR	Citrate	MDD
MR Egger	128	-0.0200796	0.0214208	0.3503525	TwoSample_MR	HDL_CE	MDD
Weighted median	128	-0.0121994	0.0173502	0.4819766	TwoSample_MR	HDL_CE	MDD
Inverse variance weighted	128	0.0010975	0.0132909	0.9341871	TwoSample_MR	HDL_CE	MDD
Simple mode	128	-0.0475196	0.0335391	0.1589778	TwoSample_MR	HDL_CE	MDD
Weighted mode	128	-0.0108873	0.0186774	0.560985	TwoSample_MR	HDL_CE	MDD
MR Egger	122	-0.0205654	0.0215699	0.3422883	TwoSample_MR	HDL_C	MDD
Weighted median	122	-0.0038288	0.017248	0.824325	TwoSample_MR	HDL_C	MDD
Inverse variance weighted	122	-0.0017461	0.013293	0.8954955	TwoSample_MR	HDL_C	MDD
Simple mode	122	-0.0471621	0.0327384	0.1522883	TwoSample_MR	HDL_C	MDD
Weighted mode	122	-0.00338	0.017881	0.850386	TwoSample_MR	HDL_C	MDD
MR Egger	111	-0.0069945	0.0226385	0.7579393	TwoSample_MR	HDL_FC	MDD
Weighted median	111	-0.0116492	0.018655	0.5323295	TwoSample_MR	HDL_FC	MDD
Inverse variance weighted	111	-0.0094322	0.0142742	0.5087501	TwoSample_MR	HDL_FC	MDD
Simple mode	111	-0.0289881	0.0362238	0.425291	TwoSample_MR	HDL_FC	MDD
Weighted mode	111	-0.0026424	0.0170151	0.8768724	TwoSample_MR	HDL_FC	MDD
MR Egger	104	0.0041479	0.0261135	0.8741081	TwoSample_MR	HDL_L	MDD
Weighted median	104	0.0025879	0.0183389	0.8877784	TwoSample_MR	HDL_L	MDD
Inverse variance weighted	104	0.0105573	0.0157385	0.502349	TwoSample_MR	HDL_L	MDD
Simple mode	104	-0.0072872	0.0351068	0.8359731	TwoSample_MR	HDL_L	MDD
Weighted mode	104	0.0059389	0.0177404	0.7384809	TwoSample_MR	HDL_L	MDD
MR Egger	95	-0.0083284	0.0279203	0.7661444	TwoSample_MR	HDL_PL	MDD
Weighted median	95	0.0019159	0.0178419	0.9144847	TwoSample_MR	HDL_PL	MDD
Inverse variance weighted	95	0.0164131	0.0168569	0.3302201	TwoSample_MR	HDL_PL	MDD
Simple mode	95	-0.009229	0.0304663	0.7626173	TwoSample_MR	HDL_PL	MDD
Weighted mode	95	0.0036322	0.0173544	0.8346689	TwoSample_MR	HDL_PL	MDD
MR Egger	89	0.0249119	0.0313452	0.4289167	TwoSample_MR	HDL_P	MDD
Weighted median	89	0.014967	0.0224091	0.5041989	TwoSample_MR	HDL_P	MDD
Inverse variance weighted	89	0.0143508	0.0177373	0.4184715	TwoSample_MR	HDL_P	MDD
Simple mode	89	-0.0071042	0.036939	0.8479323	TwoSample_MR	HDL_P	MDD
Weighted mode	89	0.0053626	0.0218926	0.8070671	TwoSample_MR	HDL_P	MDD
MR Egger	93	0.0005753	0.0177854	0.974265	TwoSample_MR	HDL_TG	MDD
Weighted median	93	0.0054625	0.014983	0.7154268	TwoSample_MR	HDL_TG	MDD
Inverse variance weighted	93	0.0167021	0.0122349	0.1722153	TwoSample_MR	HDL_TG	MDD
Simple mode	93	-0.0033009	0.0263093	0.9004283	TwoSample_MR	HDL_TG	MDD
Weighted mode	93	0.0036933	0.0125393	0.7690122	TwoSample_MR	HDL_TG	MDD
MR Egger	127	-0.0081725	0.0198247	0.68087	TwoSample_MR	HDL_size	MDD
Weighted median	127	-0.0057269	0.0152923	0.7080376	TwoSample_MR	HDL_size	MDD
Inverse variance weighted	127	-0.0091093	0.0129453	0.4816325	TwoSample_MR	HDL_size	MDD
Simple mode	127	0.0054609	0.033346	0.8701796	TwoSample_MR	HDL_size	MDD
Weighted mode	127	-0.0049641	0.0132699	0.7089714	TwoSample_MR	HDL_size	MDD
MR Egger	78	-0.0289804	0.0182128	0.1157133	TwoSample_MR	IDL_CE	MDD
Weighted median	78	-0.0176928	0.016629	0.287341	TwoSample_MR	IDL_CE	MDD
Inverse variance weighted	78	-0.0278218	0.0129782	0.0320539	TwoSample_MR	IDL_CE	MDD

Simple mode	78	-0.027737	0.0376587	0.4636421	TwoSample_MR	IDL_CE	MDD
Weighted mode	78	-0.0163256	0.0154278	0.2932754	TwoSample_MR	IDL_CE	MDD
MR Egger	94	-0.008195	0.0164745	0.6200682	TwoSample_MR	IDL_CE_pct	MDD
Weighted median	94	-0.0080828	0.0150541	0.5913266	TwoSample_MR	IDL_CE_pct	MDD
Inverse variance weighted	94	-0.0114469	0.0118357	0.3334684	TwoSample_MR	IDL_CE_pct	MDD
Simple mode	94	-0.0051527	0.0268457	0.8482091	TwoSample_MR	IDL_CE_pct	MDD
Weighted mode	94	-0.0016703	0.0128886	0.8971654	TwoSample_MR	IDL_CE_pct	MDD
MR Egger	76	-0.0297718	0.0181576	0.1053275	TwoSample_MR	IDL_C	MDD
Weighted median	76	-0.0186075	0.0170412	0.2748716	TwoSample_MR	IDL_C	MDD
Inverse variance weighted	76	-0.0302202	0.012855	0.0187306	TwoSample_MR	IDL_C	MDD
Simple mode	76	-0.033019	0.0348359	0.346254	TwoSample_MR	IDL_C	MDD
Weighted mode	76	-0.01858	0.0152302	0.2263069	TwoSample_MR	IDL_C	MDD
MR Egger	104	-0.0169743	0.016344	0.3014636	TwoSample_MR	IDL_C_pct	MDD
Weighted median	104	-0.0095834	0.0146295	0.5124206	TwoSample_MR	IDL_C_pct	MDD
Inverse variance weighted	104	-0.0188773	0.011407	0.0979483	TwoSample_MR	IDL_C_pct	MDD
Simple mode	104	-0.0125942	0.025389	0.6209154	TwoSample_MR	IDL_C_pct	MDD
Weighted mode	104	-0.0090207	0.0126795	0.4784209	TwoSample_MR	IDL_C_pct	MDD
MR Egger	74	-0.0370013	0.0193086	0.0592958	TwoSample_MR	IDL_FC	MDD
Weighted median	74	-0.021598	0.0170439	0.2050846	TwoSample_MR	IDL_FC	MDD
Inverse variance weighted	74	-0.0295749	0.01347	0.0281196	TwoSample_MR	IDL_FC	MDD
Simple mode	74	-0.0248108	0.0364707	0.4984707	TwoSample_MR	IDL_FC	MDD
Weighted mode	74	-0.019615	0.0162453	0.2311654	TwoSample_MR	IDL_FC	MDD
MR Egger	69	-0.0362612	0.0256144	0.1615078	TwoSample_MR	IDL_FC_pct	MDD
Weighted median	69	-0.0304001	0.0225917	0.1784218	TwoSample_MR	IDL_FC_pct	MDD
Inverse variance weighted	69	-0.0515628	0.0155247	0.0008959	TwoSample_MR	IDL_FC_pct	MDD
Simple mode	69	-0.0302166	0.0401056	0.4537951	TwoSample_MR	IDL_FC_pct	MDD
Weighted mode	69	-0.033304	0.0254094	0.1943687	TwoSample_MR	IDL_FC_pct	MDD
MR Egger	75	-0.0226958	0.0193935	0.2456964	TwoSample_MR	IDL_L	MDD
Weighted median	75	-0.0193819	0.0167591	0.2474774	TwoSample_MR	IDL_L	MDD
Inverse variance weighted	75	-0.026011	0.0136397	0.0565208	TwoSample_MR	IDL_L	MDD
Simple mode	75	-0.0263161	0.0358091	0.4647224	TwoSample_MR	IDL_L	MDD
Weighted mode	75	-0.0180957	0.0159971	0.2616283	TwoSample_MR	IDL_L	MDD
MR Egger	97	-0.0021349	0.020635	0.9178162	TwoSample_MR	IDL_TG	MDD
Weighted median	97	0.02102	0.0162981	0.1971479	TwoSample_MR	IDL_TG	MDD
Inverse variance weighted	97	0.0070399	0.0128798	0.5846654	TwoSample_MR	IDL_TG	MDD
Simple mode	97	-0.0024336	0.0297932	0.9350684	TwoSample_MR	IDL_TG	MDD
Weighted mode	97	0.0144356	0.0139887	0.3046883	TwoSample_MR	IDL_TG	MDD
MR Egger	108	0.0224738	0.0195563	0.2530663	TwoSample_MR	IDL_TG_pct	MDD
Weighted median	108	0.0221403	0.015063	0.1416016	TwoSample_MR	IDL_TG_pct	MDD
Inverse variance weighted	108	0.0367349	0.0133434	0.0059044	TwoSample_MR	IDL_TG_pct	MDD
Simple mode	108	0.0217959	0.029374	0.4597054	TwoSample_MR	IDL_TG_pct	MDD
Weighted mode	108	0.0181482	0.0135078	0.1819407	TwoSample_MR	IDL_TG_pct	MDD
MR Egger	67	0.0144044	0.0317621	0.6516932	TwoSample_MR	LA_pct	MDD
Weighted median	67	0.0493091	0.0244039	0.0433271	TwoSample_MR	LA_pct	MDD
Inverse variance weighted	67	0.0145732	0.0197436	0.4604415	TwoSample_MR	LA_pct	MDD
Simple mode	67	0.0027054	0.0551532	0.961025	TwoSample_MR	LA_pct	MDD
Weighted mode	67	0.0443028	0.0223115	0.0512299	TwoSample_MR	LA_pct	MDD
MR Egger	147	-0.0133302	0.020707	0.5207523	TwoSample_MR	L_HDL_CE	MDD
Weighted median	147	-0.014472	0.0178187	0.416686	TwoSample_MR	L_HDL_CE	MDD
Inverse variance weighted	147	-0.0123161	0.0131632	0.3494526	TwoSample_MR	L_HDL_CE	MDD
Simple mode	147	-0.0147702	0.0321983	0.6471135	TwoSample_MR	L_HDL_CE	MDD
Weighted mode	147	-0.0107834	0.0137928	0.4355901	TwoSample_MR	L_HDL_CE	MDD
MR Egger	110	-0.0195947	0.0226101	0.3880643	TwoSample_MR	L_HDL_CE_pct	MDD
Weighted median	110	-0.0306698	0.0169305	0.0700611	TwoSample_MR	L_HDL_CE_pct	MDD
Inverse variance weighted	110	-0.0275854	0.0141483	0.0512077	TwoSample_MR	L_HDL_CE_pct	MDD
Simple mode	110	-0.046432	0.0318133	0.1472984	TwoSample_MR	L_HDL_CE_pct	MDD
Weighted mode	110	-0.0245063	0.0163202	0.1360931	TwoSample_MR	L_HDL_CE_pct	MDD
MR Egger	147	-0.0179553	0.0202215	0.3760485	TwoSample_MR	L_HDL_C	MDD
Weighted median	147	-0.0141883	0.016723	0.3961987	TwoSample_MR	L_HDL_C	MDD
Inverse variance weighted	147	-0.0118204	0.0129199	0.3602422	TwoSample_MR	L_HDL_C	MDD
Simple mode	147	-0.033297	0.0323108	0.3044685	TwoSample_MR	L_HDL_C	MDD
Weighted mode	147	-0.0147807	0.0138187	0.2865583	TwoSample_MR	L_HDL_C	MDD

MR Egger	121	-0.0181402	0.0188918	0.338894	TwoSample_MR	L_HDL_C_pct	MDD
Weighted median	121	-0.0319756	0.0171231	0.0618459	TwoSample_MR	L_HDL_C_pct	MDD
Inverse variance weighted	121	-0.024741	0.0121776	0.0421867	TwoSample_MR	L_HDL_C_pct	MDD
Simple mode	121	-0.037644	0.0336221	0.2651124	TwoSample_MR	L_HDL_C_pct	MDD
Weighted mode	121	-0.0237925	0.0157836	0.1343301	TwoSample_MR	L_HDL_C_pct	MDD
MR Egger	138	-0.0216217	0.0193717	0.2663274	TwoSample_MR	L_HDL_FC	MDD
Weighted median	138	-0.0234829	0.0159361	0.1405985	TwoSample_MR	L_HDL_FC	MDD
Inverse variance weighted	138	-0.0114222	0.0127508	0.3703564	TwoSample_MR	L_HDL_FC	MDD
Simple mode	138	-0.0216931	0.0305429	0.4787576	TwoSample_MR	L_HDL_FC	MDD
Weighted mode	138	-0.0140939	0.0144337	0.3305588	TwoSample_MR	L_HDL_FC	MDD
MR Egger	93	-0.0208117	0.0189768	0.2756686	TwoSample_MR	L_HDL_FC_pct	MDD
Weighted median	93	-0.0138572	0.0144451	0.3374071	TwoSample_MR	L_HDL_FC_pct	MDD
Inverse variance weighted	93	-0.0394307	0.0134497	0.0033709	TwoSample_MR	L_HDL_FC_pct	MDD
Simple mode	93	-0.024212	0.0297823	0.4183366	TwoSample_MR	L_HDL_FC_pct	MDD
Weighted mode	93	-0.0162187	0.0133235	0.2266013	TwoSample_MR	L_HDL_FC_pct	MDD
MR Egger	143	-0.0152596	0.0196828	0.4394732	TwoSample_MR	L_HDL_L	MDD
Weighted median	143	-0.0150206	0.0157814	0.3412037	TwoSample_MR	L_HDL_L	MDD
Inverse variance weighted	143	-0.0107968	0.0128592	0.401122	TwoSample_MR	L_HDL_L	MDD
Simple mode	143	-0.0246487	0.0327604	0.4530605	TwoSample_MR	L_HDL_L	MDD
Weighted mode	143	-0.0136424	0.0139611	0.3301453	TwoSample_MR	L_HDL_L	MDD
MR Egger	132	-0.0132372	0.0195424	0.4993831	TwoSample_MR	L_HDL_PL	MDD
Weighted median	132	-0.01298	0.0167522	0.438442	TwoSample_MR	L_HDL_PL	MDD
Inverse variance weighted	132	-0.0103831	0.0127513	0.4154848	TwoSample_MR	L_HDL_PL	MDD
Simple mode	132	-0.0368031	0.0310574	0.2381618	TwoSample_MR	L_HDL_PL	MDD
Weighted mode	132	-0.0156784	0.014296	0.2747831	TwoSample_MR	L_HDL_PL	MDD
MR Egger	113	0.0319482	0.0274729	0.2473639	TwoSample_MR	L_HDL_PL_pct	MDD
Weighted median	113	0.034956	0.0182565	0.0555285	TwoSample_MR	L_HDL_PL_pct	MDD
Inverse variance weighted	113	0.0388777	0.0156737	0.013122	TwoSample_MR	L_HDL_PL_pct	MDD
Simple mode	113	0.0294069	0.0343561	0.3938563	TwoSample_MR	L_HDL_PL_pct	MDD
Weighted mode	113	0.0258127	0.0181764	0.15835	TwoSample_MR	L_HDL_PL_pct	MDD
MR Egger	145	-0.0175477	0.0193964	0.3671528	TwoSample_MR	L_HDL_P	MDD
Weighted median	145	-0.0145798	0.0168053	0.3856307	TwoSample_MR	L_HDL_P	MDD
Inverse variance weighted	145	-0.0084792	0.0126673	0.5032579	TwoSample_MR	L_HDL_P	MDD
Simple mode	145	-0.0263388	0.0329921	0.4259887	TwoSample_MR	L_HDL_P	MDD
Weighted mode	145	-0.0113731	0.0139775	0.4171766	TwoSample_MR	L_HDL_P	MDD
MR Egger	115	0.0158246	0.0184772	0.3935669	TwoSample_MR	L_HDL_TG_pct	MDD
Weighted median	115	0.0247651	0.0156719	0.1140574	TwoSample_MR	L_HDL_TG_pct	MDD
Inverse variance weighted	115	0.0155953	0.0122304	0.2022637	TwoSample_MR	L_HDL_TG_pct	MDD
Simple mode	115	0.0111314	0.0279463	0.6911439	TwoSample_MR	L_HDL_TG_pct	MDD
Weighted mode	115	0.019673	0.0145946	0.18034	TwoSample_MR	L_HDL_TG_pct	MDD
MR Egger	96	0.0137518	0.0160807	0.3946299	TwoSample_MR	L_LDL_TG_pct	MDD
Weighted median	96	0.0076081	0.0156109	0.6260041	TwoSample_MR	L_LDL_TG_pct	MDD
Inverse variance weighted	96	0.0213182	0.0113317	0.0599313	TwoSample_MR	L_LDL_TG_pct	MDD
Simple mode	96	0.0189319	0.029183	0.5180791	TwoSample_MR	L_LDL_TG_pct	MDD
Weighted mode	96	0.0035656	0.0134379	0.7913239	TwoSample_MR	L_LDL_TG_pct	MDD
MR Egger	90	0.0204596	0.0225623	0.3669856	TwoSample_MR	L_VLDL_CE	MDD
Weighted median	90	0.0133007	0.0179707	0.4592204	TwoSample_MR	L_VLDL_CE	MDD
Inverse variance weighted	90	-0.004315	0.0135046	0.7493296	TwoSample_MR	L_VLDL_CE	MDD
Simple mode	90	0.015517	0.0335452	0.6448021	TwoSample_MR	L_VLDL_CE	MDD
Weighted mode	90	0.0126011	0.0184024	0.4952776	TwoSample_MR	L_VLDL_CE	MDD
MR Egger	92	-0.0278373	0.0211825	0.1921297	TwoSample_MR	L_VLDL_CE_pct	MDD
Weighted median	92	-0.0258279	0.0167398	0.1228542	TwoSample_MR	L_VLDL_CE_pct	MDD
Inverse variance weighted	92	-0.0501386	0.0135641	0.0002187	TwoSample_MR	L_VLDL_CE_pct	MDD
Simple mode	92	-0.0042013	0.0290767	0.885434	TwoSample_MR	L_VLDL_CE_pct	MDD
Weighted mode	92	-0.0220466	0.0153101	0.1532982	TwoSample_MR	L_VLDL_CE_pct	MDD
MR Egger	90	0.0233637	0.0233943	0.3206823	TwoSample_MR	L_VLDL_C	MDD
Weighted median	90	0.0231563	0.0181669	0.2024348	TwoSample_MR	L_VLDL_C	MDD
Inverse variance weighted	90	0.0039428	0.014225	0.7816457	TwoSample_MR	L_VLDL_C	MDD
Simple mode	90	0.007521	0.0315463	0.8121112	TwoSample_MR	L_VLDL_C	MDD
Weighted mode	90	0.0140711	0.017427	0.4215727	TwoSample_MR	L_VLDL_C	MDD
MR Egger	95	0.0203543	0.0223967	0.3657997	TwoSample_MR	L_VLDL_FC	MDD
Weighted median	95	0.0231628	0.0183145	0.2059707	TwoSample_MR	L_VLDL_FC	MDD

Inverse variance weighted	95	0.0077144	0.0139871	0.5812676	TwoSample_MR	L_VLDL_FC	MDD
Simple mode	95	0.0152591	0.0301609	0.6140953	TwoSample_MR	L_VLDL_FC	MDD
Weighted mode	95	0.0183598	0.0174559	0.2955958	TwoSample_MR	L_VLDL_FC	MDD
MR Egger	92	0.020775	0.021193	0.329576	TwoSample_MR	L_VLDL_L	MDD
Weighted median	92	0.0231273	0.0181845	0.2034397	TwoSample_MR	L_VLDL_L	MDD
Inverse variance weighted	92	0.0100136	0.0132463	0.449677	TwoSample_MR	L_VLDL_L	MDD
Simple mode	92	0.0043723	0.031619	0.8903242	TwoSample_MR	L_VLDL_L	MDD
Weighted mode	92	0.019737	0.0181801	0.2805085	TwoSample_MR	L_VLDL_L	MDD
MR Egger	98	0.0159627	0.0221016	0.4719005	TwoSample_MR	L_VLDL_PL	MDD
Weighted median	98	0.0239594	0.0178235	0.1788652	TwoSample_MR	L_VLDL_PL	MDD
Inverse variance weighted	98	0.0107863	0.0137873	0.4340182	TwoSample_MR	L_VLDL_PL	MDD
Simple mode	98	0.0113303	0.0305256	0.711318	TwoSample_MR	L_VLDL_PL	MDD
Weighted mode	98	0.0170118	0.0169154	0.3170601	TwoSample_MR	L_VLDL_PL	MDD
MR Egger	107	0.0159769	0.0200418	0.4271454	TwoSample_MR	L_VLDL_PL_pct	MDD
Weighted median	107	-0.0109689	0.0166042	0.5088614	TwoSample_MR	L_VLDL_PL_pct	MDD
Inverse variance weighted	107	0.0101405	0.0124924	0.4169469	TwoSample_MR	L_VLDL_PL_pct	MDD
Simple mode	107	0.0180708	0.031828	0.5713958	TwoSample_MR	L_VLDL_PL_pct	MDD
Weighted mode	107	0.0042174	0.0160973	0.7938335	TwoSample_MR	L_VLDL_PL_pct	MDD
MR Egger	97	0.0140828	0.0221307	0.5260811	TwoSample_MR	L_VLDL_P	MDD
Weighted median	97	0.0232153	0.0182028	0.2021799	TwoSample_MR	L_VLDL_P	MDD
Inverse variance weighted	97	0.0110675	0.0139069	0.4261335	TwoSample_MR	L_VLDL_P	MDD
Simple mode	97	0.0055316	0.0284187	0.8460801	TwoSample_MR	L_VLDL_P	MDD
Weighted mode	97	0.0168303	0.0169652	0.323667	TwoSample_MR	L_VLDL_P	MDD
MR Egger	100	0.0237174	0.0203006	0.2455149	TwoSample_MR	L_VLDL_TG	MDD
Weighted median	100	0.0267263	0.0179061	0.1355464	TwoSample_MR	L_VLDL_TG	MDD
Inverse variance weighted	100	0.0186259	0.0129583	0.1506108	TwoSample_MR	L_VLDL_TG	MDD
Simple mode	100	0.0093169	0.0303414	0.7594355	TwoSample_MR	L_VLDL_TG	MDD
Weighted mode	100	0.0254808	0.0167269	0.1308604	TwoSample_MR	L_VLDL_TG	MDD
MR Egger	108	0.0429152	0.0849723	0.6145725	TwoSample_MR	MDD	Ala
Weighted median	108	-0.0052613	0.0233899	0.8220255	TwoSample_MR	MDD	Ala
Inverse variance weighted	108	0.0000488	0.0186586	0.9979142	TwoSample_MR	MDD	Ala
Simple mode	108	0.0341722	0.0625182	0.5857943	TwoSample_MR	MDD	Ala
Weighted mode	108	0.0278651	0.0589238	0.6372468	TwoSample_MR	MDD	Ala
MR Egger	108	0.1716817	0.0918296	0.0643037	TwoSample_MR	MDD	ApoA1
Weighted median	108	0.0015291	0.0238761	0.9489366	TwoSample_MR	MDD	ApoA1
Inverse variance weighted	108	-0.009673	0.0205248	0.6374378	TwoSample_MR	MDD	ApoA1
Simple mode	108	0.0778783	0.0757384	0.3061495	TwoSample_MR	MDD	ApoA1
Weighted mode	108	0.0808434	0.0730576	0.2709609	TwoSample_MR	MDD	ApoA1
MR Egger	108	0.0230932	0.0805891	0.7750122	TwoSample_MR	MDD	Citrate
Weighted median	108	-0.0228207	0.0240303	0.342283	TwoSample_MR	MDD	Citrate
Inverse variance weighted	108	-0.0239407	0.0177045	0.1762994	TwoSample_MR	MDD	Citrate
Simple mode	108	-0.0577916	0.0681501	0.3983287	TwoSample_MR	MDD	Citrate
Weighted mode	108	-0.040612	0.063424	0.5233298	TwoSample_MR	MDD	Citrate
MR Egger	108	0.1660635	0.0934113	0.0783097	TwoSample_MR	MDD	HDL_C
Weighted median	108	-0.047646	0.0236424	0.0438758	TwoSample_MR	MDD	HDL_C
Inverse variance weighted	108	-0.0482568	0.0210142	0.0216537	TwoSample_MR	MDD	HDL_C
Simple mode	108	-0.0547498	0.0763523	0.4748943	TwoSample_MR	MDD	HDL_C
Weighted mode	108	-0.0488457	0.0675989	0.4715139	TwoSample_MR	MDD	HDL_C
MR Egger	108	0.1711233	0.0932204	0.0692074	TwoSample_MR	MDD	HDL_CE
Weighted median	108	-0.0524676	0.0230607	0.0228943	TwoSample_MR	MDD	HDL_CE
Inverse variance weighted	108	-0.0497039	0.0210058	0.0179717	TwoSample_MR	MDD	HDL_CE
Simple mode	108	-0.0605757	0.0713844	0.398007	TwoSample_MR	MDD	HDL_CE
Weighted mode	108	-0.0636092	0.0731175	0.3862704	TwoSample_MR	MDD	HDL_CE
MR Egger	108	0.144876	0.0928055	0.1214877	TwoSample_MR	MDD	HDL_FC
Weighted median	108	-0.0275149	0.0227359	0.2262036	TwoSample_MR	MDD	HDL_FC
Inverse variance weighted	108	-0.042645	0.0207606	0.0399634	TwoSample_MR	MDD	HDL_FC
Simple mode	108	0.0022606	0.0733741	0.9754788	TwoSample_MR	MDD	HDL_FC
Weighted mode	108	0.0135555	0.0681541	0.8427226	TwoSample_MR	MDD	HDL_FC
MR Egger	108	0.1764009	0.0913569	0.0561667	TwoSample_MR	MDD	HDL_L
Weighted median	108	-0.0074167	0.0236544	0.7538668	TwoSample_MR	MDD	HDL_L
Inverse variance weighted	108	-0.0241873	0.0205085	0.2382479	TwoSample_MR	MDD	HDL_L
Simple mode	108	0.0294969	0.0758773	0.6982377	TwoSample_MR	MDD	HDL_L

Weighted mode	108	0.0324806	0.0728643	0.6566656	TwoSample_MR	MDD	HDL_L
MR Egger	108	0.1466165	0.0938509	0.1212149	TwoSample_MR	MDD	HDL_P
Weighted median	108	-0.0019065	0.0247073	0.9384925	TwoSample_MR	MDD	HDL_P
Inverse variance weighted	108	0.0002559	0.0208295	0.9901987	TwoSample_MR	MDD	HDL_P
Simple mode	108	0.1356337	0.0838858	0.1088477	TwoSample_MR	MDD	HDL_P
Weighted mode	108	0.1326871	0.0900653	0.1436242	TwoSample_MR	MDD	HDL_P
MR Egger	108	0.1800691	0.0903589	0.0488513	TwoSample_MR	MDD	HDL_PL
Weighted median	108	-0.0026711	0.0232668	0.9086023	TwoSample_MR	MDD	HDL_PL
Inverse variance weighted	108	-0.0137773	0.0202634	0.4965624	TwoSample_MR	MDD	HDL_PL
Simple mode	108	0.0563216	0.0690162	0.4162768	TwoSample_MR	MDD	HDL_PL
Weighted mode	108	0.0533411	0.0715225	0.4574266	TwoSample_MR	MDD	HDL_PL
MR Egger	108	0.0501171	0.0989441	0.6135441	TwoSample_MR	MDD	HDL_TG
Weighted median	108	0.0758253	0.0268244	0.0047026	TwoSample_MR	MDD	HDL_TG
Inverse variance weighted	108	0.084077	0.0217142	0.000108	TwoSample_MR	MDD	HDL_TG
Simple mode	108	0.1105927	0.079056	0.1647299	TwoSample_MR	MDD	HDL_TG
Weighted mode	108	0.1046043	0.0799921	0.1937836	TwoSample_MR	MDD	HDL_TG
MR Egger	108	0.1470527	0.0945139	0.1227163	TwoSample_MR	MDD	HDL_size
Weighted median	108	-0.0365008	0.0238352	0.1256751	TwoSample_MR	MDD	HDL_size
Inverse variance weighted	108	-0.0740735	0.021283	0.0005006	TwoSample_MR	MDD	HDL_size
Simple mode	108	0.0218232	0.0774008	0.7785259	TwoSample_MR	MDD	HDL_size
Weighted mode	108	0.0249414	0.0767589	0.7458676	TwoSample_MR	MDD	HDL_size
MR Egger	108	-0.0983424	0.0905414	0.2798723	TwoSample_MR	MDD	IDL_C
Weighted median	108	-0.0830309	0.0248814	0.0008467	TwoSample_MR	MDD	IDL_C
Inverse variance weighted	108	-0.0624313	0.0198737	0.0016814	TwoSample_MR	MDD	IDL_C
Simple mode	108	-0.1306796	0.0787589	0.0999968	TwoSample_MR	MDD	IDL_C
Weighted mode	108	-0.1244711	0.0753567	0.1015154	TwoSample_MR	MDD	IDL_C
MR Egger	108	-0.0979286	0.0892744	0.2751535	TwoSample_MR	MDD	IDL_CE
Weighted median	108	-0.0724667	0.0246902	0.0033351	TwoSample_MR	MDD	IDL_CE
Inverse variance weighted	108	-0.0597182	0.0195981	0.0023103	TwoSample_MR	MDD	IDL_CE
Simple mode	108	-0.1309907	0.0749019	0.083188	TwoSample_MR	MDD	IDL_CE
Weighted mode	108	-0.1250071	0.068924	0.0725274	TwoSample_MR	MDD	IDL_CE
MR Egger	108	-0.078013	0.0891073	0.3832841	TwoSample_MR	MDD	IDL_CE_pct
Weighted median	108	-0.0641769	0.024792	0.0096364	TwoSample_MR	MDD	IDL_CE_pct
Inverse variance weighted	108	-0.0675203	0.0195448	0.000551	TwoSample_MR	MDD	IDL_CE_pct
Simple mode	108	-0.0865604	0.0744784	0.2477307	TwoSample_MR	MDD	IDL_CE_pct
Weighted mode	108	-0.0865604	0.082063	0.2938903	TwoSample_MR	MDD	IDL_CE_pct
MR Egger	108	-0.096096	0.0972416	0.325296	TwoSample_MR	MDD	IDL_C_pct
Weighted median	108	-0.0731037	0.0246137	0.0029776	TwoSample_MR	MDD	IDL_C_pct
Inverse variance weighted	108	-0.0884259	0.0213292	0.0000339	TwoSample_MR	MDD	IDL_C_pct
Simple mode	108	-0.0780528	0.0748092	0.299134	TwoSample_MR	MDD	IDL_C_pct
Weighted mode	108	-0.0812766	0.0703026	0.2502166	TwoSample_MR	MDD	IDL_C_pct
MR Egger	108	-0.0979512	0.0943394	0.3014999	TwoSample_MR	MDD	IDL_FC
Weighted median	108	-0.086174	0.0249912	0.0005644	TwoSample_MR	MDD	IDL_FC
Inverse variance weighted	108	-0.0687456	0.0207011	0.0008974	TwoSample_MR	MDD	IDL_FC
Simple mode	108	-0.1351555	0.072624	0.065485	TwoSample_MR	MDD	IDL_FC
Weighted mode	108	-0.1316883	0.0685825	0.057502	TwoSample_MR	MDD	IDL_FC
MR Egger	108	-0.0394218	0.1099065	0.7205444	TwoSample_MR	MDD	IDL_FC_pct
Weighted median	108	-0.0841705	0.0258263	0.0011177	TwoSample_MR	MDD	IDL_FC_pct
Inverse variance weighted	108	-0.0916572	0.0241313	0.0001457	TwoSample_MR	MDD	IDL_FC_pct
Simple mode	108	-0.1028821	0.075717	0.1770763	TwoSample_MR	MDD	IDL_FC_pct
Weighted mode	108	-0.0865288	0.0742616	0.2465336	TwoSample_MR	MDD	IDL_FC_pct
MR Egger	108	-0.0909133	0.088515	0.306714	TwoSample_MR	MDD	IDL_L
Weighted median	108	-0.0573279	0.0243301	0.0184604	TwoSample_MR	MDD	IDL_L
Inverse variance weighted	108	-0.0514176	0.0194329	0.0081471	TwoSample_MR	MDD	IDL_L
Simple mode	108	-0.1160598	0.0722296	0.1110414	TwoSample_MR	MDD	IDL_L
Weighted mode	108	-0.1099308	0.0700004	0.1192673	TwoSample_MR	MDD	IDL_L
MR Egger	108	0.0120357	0.0855689	0.8884089	TwoSample_MR	MDD	IDL_TG
Weighted median	108	0.0561034	0.0247333	0.0233092	TwoSample_MR	MDD	IDL_TG
Inverse variance weighted	108	0.0702384	0.0188108	0.0001885	TwoSample_MR	MDD	IDL_TG
Simple mode	108	0.0586139	0.0701398	0.405201	TwoSample_MR	MDD	IDL_TG
Weighted mode	108	0.0613588	0.0713622	0.3918094	TwoSample_MR	MDD	IDL_TG
MR Egger	108	0.1138111	0.1004108	0.2595805	TwoSample_MR	MDD	IDL_TG_pct

Weighted median	108	0.1207863	0.024937	0.0000013	TwoSample_MR	MDD	IDL_TG_pct
Inverse variance weighted	108	0.1095837	0.0220248	0.0000007	TwoSample_MR	MDD	IDL_TG_pct
Simple mode	108	0.1404439	0.0633561	0.0287568	TwoSample_MR	MDD	IDL_TG_pct
Weighted mode	108	0.1404439	0.0628182	0.0274462	TwoSample_MR	MDD	IDL_TG_pct
MR Egger	108	0.1545073	0.1382876	0.2663965	TwoSample_MR	MDD	LA_pct
Weighted median	108	-0.0957583	0.023778	0.0000564	TwoSample_MR	MDD	LA_pct
Inverse variance weighted	108	-0.0772879	0.0307493	0.0119546	TwoSample_MR	MDD	LA_pct
Simple mode	108	-0.1016282	0.0640287	0.1154114	TwoSample_MR	MDD	LA_pct
Weighted mode	108	-0.1081691	0.0701199	0.1258728	TwoSample_MR	MDD	LA_pct
MR Egger	108	0.1410849	0.0964643	0.1465462	TwoSample_MR	MDD	L_HDL_C
Weighted median	108	-0.0435033	0.0233403	0.0623397	TwoSample_MR	MDD	L_HDL_C
Inverse variance weighted	108	-0.0863337	0.0217314	0.000071	TwoSample_MR	MDD	L_HDL_C
Simple mode	108	-0.0168701	0.0740831	0.8202993	TwoSample_MR	MDD	L_HDL_C
Weighted mode	108	-0.0135855	0.075415	0.857381	TwoSample_MR	MDD	L_HDL_C
MR Egger	108	0.1443342	0.0968985	0.1393146	TwoSample_MR	MDD	L_HDL_CE
Weighted median	108	-0.050163	0.0227944	0.0277592	TwoSample_MR	MDD	L_HDL_CE
Inverse variance weighted	108	-0.0880154	0.0218492	0.0000562	TwoSample_MR	MDD	L_HDL_CE
Simple mode	108	-0.0239176	0.069866	0.7327695	TwoSample_MR	MDD	L_HDL_CE
Weighted mode	108	-0.0239176	0.077263	0.7574966	TwoSample_MR	MDD	L_HDL_CE
MR Egger	108	0.0515869	0.1033034	0.6185518	TwoSample_MR	MDD	L_HDL_CE_pct
Weighted median	108	-0.1071638	0.0253817	0.0000242	TwoSample_MR	MDD	L_HDL_CE_pct
Inverse variance weighted	108	-0.1020077	0.0229052	0.0000084	TwoSample_MR	MDD	L_HDL_CE_pct
Simple mode	108	-0.1784611	0.0682303	0.0101941	TwoSample_MR	MDD	L_HDL_CE_pct
Weighted mode	108	-0.1467247	0.0591227	0.0146314	TwoSample_MR	MDD	L_HDL_CE_pct
MR Egger	108	0.041952	0.1059549	0.6929438	TwoSample_MR	MDD	L_HDL_C_pct
Weighted median	108	-0.1159401	0.0251205	0.0000039	TwoSample_MR	MDD	L_HDL_C_pct
Inverse variance weighted	108	-0.1106657	0.0234781	0.0000024	TwoSample_MR	MDD	L_HDL_C_pct
Simple mode	108	-0.1748162	0.0730761	0.0184894	TwoSample_MR	MDD	L_HDL_C_pct
Weighted mode	108	-0.1588416	0.061951	0.0117355	TwoSample_MR	MDD	L_HDL_C_pct
MR Egger	108	0.1285039	0.0946317	0.1773674	TwoSample_MR	MDD	L_HDL_FC
Weighted median	108	-0.0352733	0.0227787	0.1214976	TwoSample_MR	MDD	L_HDL_FC
Inverse variance weighted	108	-0.0793562	0.0212444	0.0001874	TwoSample_MR	MDD	L_HDL_FC
Simple mode	108	0.0121276	0.0803056	0.8802463	TwoSample_MR	MDD	L_HDL_FC
Weighted mode	108	0.0152071	0.082698	0.8544502	TwoSample_MR	MDD	L_HDL_FC
MR Egger	108	-0.0544252	0.1013622	0.5924355	TwoSample_MR	MDD	L_HDL_FC_pct
Weighted median	108	-0.0923776	0.0236264	0.0000923	TwoSample_MR	MDD	L_HDL_FC_pct
Inverse variance weighted	108	-0.1017455	0.0222548	0.0000048	TwoSample_MR	MDD	L_HDL_FC_pct
Simple mode	108	-0.0838145	0.0673745	0.2162143	TwoSample_MR	MDD	L_HDL_FC_pct
Weighted mode	108	-0.0995847	0.0666348	0.1379921	TwoSample_MR	MDD	L_HDL_FC_pct
MR Egger	108	0.1558268	0.0937306	0.0993676	TwoSample_MR	MDD	L_HDL_L
Weighted median	108	-0.0113803	0.0231007	0.622267	TwoSample_MR	MDD	L_HDL_L
Inverse variance weighted	108	-0.0716527	0.0211479	0.0007036	TwoSample_MR	MDD	L_HDL_L
Simple mode	108	0.0252173	0.0778113	0.7465081	TwoSample_MR	MDD	L_HDL_L
Weighted mode	108	0.0282564	0.0788492	0.7207797	TwoSample_MR	MDD	L_HDL_L
MR Egger	108	0.1465677	0.0955352	0.1279662	TwoSample_MR	MDD	L_HDL_P
Weighted median	108	-0.0210933	0.0228583	0.35612	TwoSample_MR	MDD	L_HDL_P
Inverse variance weighted	108	-0.0750282	0.0215035	0.0004846	TwoSample_MR	MDD	L_HDL_P
Simple mode	108	0.0222688	0.0805927	0.7828411	TwoSample_MR	MDD	L_HDL_P
Weighted mode	108	0.0253913	0.0821908	0.7579749	TwoSample_MR	MDD	L_HDL_P
MR Egger	108	0.1644614	0.0915849	0.0753873	TwoSample_MR	MDD	L_HDL_PL
Weighted median	108	-0.0119261	0.0235147	0.6120322	TwoSample_MR	MDD	L_HDL_PL
Inverse variance weighted	108	-0.0622339	0.0206865	0.002626	TwoSample_MR	MDD	L_HDL_PL
Simple mode	108	0.0409936	0.0775018	0.5979438	TwoSample_MR	MDD	L_HDL_PL
Weighted mode	108	0.0439161	0.0826458	0.596259	TwoSample_MR	MDD	L_HDL_PL
MR Egger	108	0.0007278	0.105004	0.994483	TwoSample_MR	MDD	L_HDL_PL_pct
Weighted median	108	0.1123032	0.0251392	0.0000079	TwoSample_MR	MDD	L_HDL_PL_pct
Inverse variance weighted	108	0.1050653	0.023144	0.0000056	TwoSample_MR	MDD	L_HDL_PL_pct
Simple mode	108	0.1263067	0.073794	0.0898651	TwoSample_MR	MDD	L_HDL_PL_pct
Weighted mode	108	0.1403004	0.0606969	0.0227215	TwoSample_MR	MDD	L_HDL_PL_pct
MR Egger	108	-0.0746732	0.0971104	0.4436322	TwoSample_MR	MDD	L_HDL_TG_pct
Weighted median	108	0.0809663	0.0242452	0.0008394	TwoSample_MR	MDD	L_HDL_TG_pct
Inverse variance weighted	108	0.0936494	0.0216137	0.0000147	TwoSample_MR	MDD	L_HDL_TG_pct

Simple mode	108	0.0500048	0.0669582	0.4568181	TwoSample_MR	MDD	L_HDL_TG_pct
Weighted mode	108	0.0647889	0.0565783	0.254715	TwoSample_MR	MDD	L_HDL_TG_pct
MR Egger	108	0.1145354	0.0943719	0.2275748	TwoSample_MR	MDD	L_LDL_TG_pct
Weighted median	108	0.1080903	0.0249059	0.0000143	TwoSample_MR	MDD	L_LDL_TG_pct
Inverse variance weighted	108	0.1013585	0.0207008	0.000001	TwoSample_MR	MDD	L_LDL_TG_pct
Simple mode	108	0.1260947	0.0628856	0.0474723	TwoSample_MR	MDD	L_LDL_TG_pct
Weighted mode	108	0.1229554	0.0539227	0.0245772	TwoSample_MR	MDD	L_LDL_TG_pct
MR Egger	108	-0.1227203	0.0875531	0.1639359	TwoSample_MR	MDD	L_VLDL_C
Weighted median	108	0.0435371	0.0244481	0.0749453	TwoSample_MR	MDD	L_VLDL_C
Inverse variance weighted	108	0.0681648	0.019654	0.0005239	TwoSample_MR	MDD	L_VLDL_C
Simple mode	108	0.0556422	0.0635899	0.3835252	TwoSample_MR	MDD	L_VLDL_C
Weighted mode	108	0.0497386	0.0627523	0.4297544	TwoSample_MR	MDD	L_VLDL_C
MR Egger	108	-0.1265369	0.0850667	0.139851	TwoSample_MR	MDD	L_VLDL_CE
Weighted median	108	0.0307575	0.0240447	0.2008335	TwoSample_MR	MDD	L_VLDL_CE
Inverse variance weighted	108	0.0513737	0.0190606	0.0070328	TwoSample_MR	MDD	L_VLDL_CE
Simple mode	108	0.0047159	0.0675466	0.9444696	TwoSample_MR	MDD	L_VLDL_CE
Weighted mode	108	-0.0006985	0.0650572	0.991454	TwoSample_MR	MDD	L_VLDL_CE
MR Egger	108	0.0465489	0.0979284	0.6355258	TwoSample_MR	MDD	L_VLDL_CE_pct
Weighted median	108	-0.1139866	0.0244245	0.0000031	TwoSample_MR	MDD	L_VLDL_CE_pct
Inverse variance weighted	108	-0.0944112	0.0217034	0.0000136	TwoSample_MR	MDD	L_VLDL_CE_pct
Simple mode	108	-0.1181823	0.0623581	0.060762	TwoSample_MR	MDD	L_VLDL_CE_pct
Weighted mode	108	-0.1212848	0.0584876	0.0405097	TwoSample_MR	MDD	L_VLDL_CE_pct
MR Egger	108	-0.1182685	0.0905663	0.1944209	TwoSample_MR	MDD	L_VLDL_FC
Weighted median	108	0.0536379	0.0248893	0.0311572	TwoSample_MR	MDD	L_VLDL_FC
Inverse variance weighted	108	0.0813884	0.0203417	0.0000631	TwoSample_MR	MDD	L_VLDL_FC
Simple mode	108	0.0741148	0.0699319	0.2916154	TwoSample_MR	MDD	L_VLDL_FC
Weighted mode	108	0.0678387	0.0648711	0.2980351	TwoSample_MR	MDD	L_VLDL_FC
MR Egger	108	-0.1234773	0.0919666	0.1822591	TwoSample_MR	MDD	L_VLDL_L
Weighted median	108	0.0651641	0.0234916	0.0055384	TwoSample_MR	MDD	L_VLDL_L
Inverse variance weighted	108	0.0832398	0.0206756	0.0000567	TwoSample_MR	MDD	L_VLDL_L
Simple mode	108	0.0817419	0.065952	0.217903	TwoSample_MR	MDD	L_VLDL_L
Weighted mode	108	0.0724768	0.0638901	0.2591623	TwoSample_MR	MDD	L_VLDL_L
MR Egger	108	-0.1092083	0.0917915	0.2368054	TwoSample_MR	MDD	L_VLDL_P
Weighted median	108	0.06391	0.0240758	0.0079417	TwoSample_MR	MDD	L_VLDL_P
Inverse variance weighted	108	0.0856809	0.0205831	0.0000315	TwoSample_MR	MDD	L_VLDL_P
Simple mode	108	0.0749635	0.0672712	0.2676268	TwoSample_MR	MDD	L_VLDL_P
Weighted mode	108	0.0687351	0.069396	0.3241758	TwoSample_MR	MDD	L_VLDL_P
MR Egger	108	-0.1126758	0.0928903	0.2278267	TwoSample_MR	MDD	L_VLDL_PL
Weighted median	108	0.0706091	0.0237978	0.0030068	TwoSample_MR	MDD	L_VLDL_PL
Inverse variance weighted	108	0.0876494	0.0208434	0.0000261	TwoSample_MR	MDD	L_VLDL_PL
Simple mode	108	0.0800075	0.0648767	0.2201944	TwoSample_MR	MDD	L_VLDL_PL
Weighted mode	108	0.0800075	0.0632333	0.2085213	TwoSample_MR	MDD	L_VLDL_PL
MR Egger	108	-0.0381771	0.0947581	0.6878406	TwoSample_MR	MDD	L_VLDL_PL_pct
Weighted median	108	0.0654189	0.0242023	0.0068715	TwoSample_MR	MDD	L_VLDL_PL_pct
Inverse variance weighted	108	0.0806011	0.020945	0.000119	TwoSample_MR	MDD	L_VLDL_PL_pct
Simple mode	108	0.0364949	0.0676986	0.5909526	TwoSample_MR	MDD	L_VLDL_PL_pct
Weighted mode	108	0.0426041	0.0684169	0.5347984	TwoSample_MR	MDD	L_VLDL_PL_pct
MR Egger	108	-0.1293194	0.0930533	0.1675215	TwoSample_MR	MDD	L_VLDL_TG
Weighted median	108	0.0605391	0.0232529	0.0092277	TwoSample_MR	MDD	L_VLDL_TG
Inverse variance weighted	108	0.0864613	0.0209528	0.0000368	TwoSample_MR	MDD	L_VLDL_TG
Simple mode	108	0.0887755	0.0675313	0.1914608	TwoSample_MR	MDD	L_VLDL_TG
Weighted mode	108	0.0764212	0.0639551	0.2347601	TwoSample_MR	MDD	L_VLDL_TG
MR Egger	108	0.1881659	0.090788	0.0406366	TwoSample_MR	MDD	M_HDL_C
Weighted median	108	-0.0196553	0.0239132	0.4111097	TwoSample_MR	MDD	M_HDL_C
Inverse variance weighted	108	-0.0169035	0.0204084	0.4075201	TwoSample_MR	MDD	M_HDL_C
Simple mode	108	-0.0026508	0.0738528	0.9714349	TwoSample_MR	MDD	M_HDL_C
Weighted mode	108	0.0063829	0.0691615	0.9266408	TwoSample_MR	MDD	M_HDL_C
MR Egger	108	0.1909571	0.0904527	0.0371127	TwoSample_MR	MDD	M_HDL_CE
Weighted median	108	-0.0253394	0.022908	0.2686678	TwoSample_MR	MDD	M_HDL_CE
Inverse variance weighted	108	-0.0172107	0.0203518	0.3977422	TwoSample_MR	MDD	M_HDL_CE
Simple mode	108	-0.0559723	0.0712821	0.4340579	TwoSample_MR	MDD	M_HDL_CE
Weighted mode	108	-0.0438774	0.0716685	0.5416866	TwoSample_MR	MDD	M_HDL_CE

MR Egger	108	0.0749979	0.0985669	0.4484164	TwoSample_MR	MDD	M_HDL_CE_pct
Weighted median	108	-0.0771762	0.025148	0.0021487	TwoSample_MR	MDD	M_HDL_CE_pct
Inverse variance weighted	108	-0.0748195	0.0218655	0.0006221	TwoSample_MR	MDD	M_HDL_CE_pct
Simple mode	108	-0.1372911	0.0723485	0.0604394	TwoSample_MR	MDD	M_HDL_CE_pct
Weighted mode	108	-0.1300355	0.0697604	0.0650586	TwoSample_MR	MDD	M_HDL_CE_pct
MR Egger	108	0.085855	0.1008401	0.3964681	TwoSample_MR	MDD	M_HDL_C_pct
Weighted median	108	-0.0673699	0.0238899	0.0048022	TwoSample_MR	MDD	M_HDL_C_pct
Inverse variance weighted	108	-0.082856	0.0224232	0.0002198	TwoSample_MR	MDD	M_HDL_C_pct
Simple mode	108	-0.1619271	0.0745709	0.032106	TwoSample_MR	MDD	M_HDL_C_pct
Weighted mode	108	-0.1367961	0.0650553	0.0378315	TwoSample_MR	MDD	M_HDL_C_pct
MR Egger	108	0.1734277	0.0915816	0.0609918	TwoSample_MR	MDD	M_HDL_FC
Weighted median	108	-0.0036625	0.0233461	0.8753404	TwoSample_MR	MDD	M_HDL_FC
Inverse variance weighted	108	-0.015694	0.0205048	0.444046	TwoSample_MR	MDD	M_HDL_FC
Simple mode	108	0.0483581	0.0741906	0.5159219	TwoSample_MR	MDD	M_HDL_FC
Weighted mode	108	0.0513748	0.0747136	0.4931781	TwoSample_MR	MDD	M_HDL_FC
MR Egger	108	0.0863751	0.0988655	0.3842769	TwoSample_MR	MDD	M_HDL_FC_pct
Weighted median	108	-0.0406672	0.0229151	0.0759497	TwoSample_MR	MDD	M_HDL_FC_pct
Inverse variance weighted	108	-0.0688896	0.0219462	0.0016951	TwoSample_MR	MDD	M_HDL_FC_pct
Simple mode	108	-0.0339502	0.0755006	0.6538597	TwoSample_MR	MDD	M_HDL_FC_pct
Weighted mode	108	-0.0270182	0.0720793	0.7085213	TwoSample_MR	MDD	M_HDL_FC_pct
MR Egger	108	0.1873088	0.0914509	0.0430128	TwoSample_MR	MDD	M_HDL_P
Weighted median	108	0.004825	0.0233695	0.8364274	TwoSample_MR	MDD	M_HDL_P
Inverse variance weighted	108	-0.0048295	0.0204904	0.8136687	TwoSample_MR	MDD	M_HDL_P
Simple mode	108	0.0704548	0.0752707	0.3513716	TwoSample_MR	MDD	M_HDL_P
Weighted mode	108	0.0704548	0.0757175	0.3542096	TwoSample_MR	MDD	M_HDL_P
MR Egger	108	-0.0893854	0.1027949	0.3865108	TwoSample_MR	MDD	M_HDL_PL_pct
Weighted median	108	0.0721815	0.0241125	0.0027577	TwoSample_MR	MDD	M_HDL_PL_pct
Inverse variance weighted	108	0.0787633	0.0228444	0.0005651	TwoSample_MR	MDD	M_HDL_PL_pct
Simple mode	108	0.063235	0.0703901	0.3710154	TwoSample_MR	MDD	M_HDL_PL_pct
Weighted mode	108	0.0414411	0.0622148	0.5067833	TwoSample_MR	MDD	M_HDL_PL_pct
MR Egger	108	0.0575156	0.1034937	0.5795595	TwoSample_MR	MDD	M_HDL_TG
Weighted median	108	0.0854352	0.0259983	0.0010155	TwoSample_MR	MDD	M_HDL_TG
Inverse variance weighted	108	0.0863929	0.0227083	0.0001421	TwoSample_MR	MDD	M_HDL_TG
Simple mode	108	0.1305428	0.08081	0.1091626	TwoSample_MR	MDD	M_HDL_TG
Weighted mode	108	0.1242661	0.0788259	0.1178712	TwoSample_MR	MDD	M_HDL_TG
MR Egger	108	-0.0698796	0.0973938	0.4746467	TwoSample_MR	MDD	M_HDL_TG_pct
Weighted median	108	0.0839568	0.0253043	0.000907	TwoSample_MR	MDD	M_HDL_TG_pct
Inverse variance weighted	108	0.0815401	0.0216162	0.0001618	TwoSample_MR	MDD	M_HDL_TG_pct
Simple mode	108	0.139983	0.0693724	0.0461099	TwoSample_MR	MDD	M_HDL_TG_pct
Weighted mode	108	0.1331371	0.0679042	0.0525181	TwoSample_MR	MDD	M_HDL_TG_pct
MR Egger	108	-0.0107243	0.0870141	0.9021438	TwoSample_MR	MDD	M_LDL_TG
Weighted median	108	0.0777509	0.0250126	0.0018806	TwoSample_MR	MDD	M_LDL_TG
Inverse variance weighted	108	0.0869823	0.0192062	0.0000059	TwoSample_MR	MDD	M_LDL_TG
Simple mode	108	0.0737938	0.0720257	0.307887	TwoSample_MR	MDD	M_LDL_TG
Weighted mode	108	0.0620622	0.0693323	0.3727206	TwoSample_MR	MDD	M_LDL_TG
MR Egger	108	0.1536468	0.093331	0.1026728	TwoSample_MR	MDD	M_LDL_TG_pct
Weighted median	108	0.1019543	0.0243846	0.000029	TwoSample_MR	MDD	M_LDL_TG_pct
Inverse variance weighted	108	0.0950515	0.0205103	0.0000036	TwoSample_MR	MDD	M_LDL_TG_pct
Simple mode	108	0.1058199	0.0666779	0.1154564	TwoSample_MR	MDD	M_LDL_TG_pct
Weighted mode	108	0.1028082	0.0616449	0.09829	TwoSample_MR	MDD	M_LDL_TG_pct
MR Egger	108	0.0168086	0.1001315	0.8670089	TwoSample_MR	MDD	MUFA
Weighted median	108	0.0984043	0.0251163	0.0000893	TwoSample_MR	MDD	MUFA
Inverse variance weighted	108	0.1058278	0.022052	0.0000016	TwoSample_MR	MDD	MUFA
Simple mode	108	0.1148532	0.0811735	0.1599984	TwoSample_MR	MDD	MUFA
Weighted mode	108	0.1117892	0.0772001	0.1505286	TwoSample_MR	MDD	MUFA
MR Egger	108	0.0307271	0.1297817	0.8133001	TwoSample_MR	MDD	MUFA_pct
Weighted median	108	0.1156114	0.0250831	0.000004	TwoSample_MR	MDD	MUFA_pct
Inverse variance weighted	108	0.1451301	0.028578	0.0000004	TwoSample_MR	MDD	MUFA_pct
Simple mode	108	0.1492265	0.0693612	0.0336909	TwoSample_MR	MDD	MUFA_pct
Weighted mode	108	0.1159106	0.0744271	0.1223356	TwoSample_MR	MDD	MUFA_pct
MR Egger	108	-0.0131421	0.1043882	0.9000523	TwoSample_MR	MDD	M_VLDL_CE_pct
Weighted median	108	-0.1033709	0.0237005	0.0000129	TwoSample_MR	MDD	M_VLDL_CE_pct

Inverse variance weighted	108	-0.1090868	0.0229949	0.0000021	TwoSample_MR	MDD	M_VLDL_CE_pct
Simple mode	108	-0.1140899	0.0597673	0.0589541	TwoSample_MR	MDD	M_VLDL_CE_pct
Weighted mode	108	-0.1209549	0.0525263	0.0232274	TwoSample_MR	MDD	M_VLDL_CE_pct
MR Egger	108	-0.0244469	0.1047959	0.8159927	TwoSample_MR	MDD	M_VLDL_C_pct
Weighted median	108	-0.1127586	0.0238814	0.0000023	TwoSample_MR	MDD	M_VLDL_C_pct
Inverse variance weighted	108	-0.1090252	0.0230624	0.0000023	TwoSample_MR	MDD	M_VLDL_C_pct
Simple mode	108	-0.1218218	0.0644426	0.0614111	TwoSample_MR	MDD	M_VLDL_C_pct
Weighted mode	108	-0.1285208	0.0543099	0.0197592	TwoSample_MR	MDD	M_VLDL_C_pct
MR Egger	108	-0.0525862	0.1049803	0.6174696	TwoSample_MR	MDD	M_VLDL_FC_pct
Weighted median	108	-0.103706	0.0244395	0.000022	TwoSample_MR	MDD	M_VLDL_FC_pct
Inverse variance weighted	108	-0.1041035	0.0230546	0.0000063	TwoSample_MR	MDD	M_VLDL_FC_pct
Simple mode	108	-0.1033556	0.0649612	0.1145516	TwoSample_MR	MDD	M_VLDL_FC_pct
Weighted mode	108	-0.1105225	0.0547139	0.0458812	TwoSample_MR	MDD	M_VLDL_FC_pct
MR Egger	108	-0.1246501	0.0833473	0.137742	TwoSample_MR	MDD	M_VLDL_L
Weighted median	108	0.0325507	0.0238738	0.1727401	TwoSample_MR	MDD	M_VLDL_L
Inverse variance weighted	108	0.0439476	0.0186503	0.0184532	TwoSample_MR	MDD	M_VLDL_L
Simple mode	108	0.0195537	0.0691544	0.7779114	TwoSample_MR	MDD	M_VLDL_L
Weighted mode	108	0.0170744	0.0643851	0.7913723	TwoSample_MR	MDD	M_VLDL_L
MR Egger	108	-0.0930682	0.0915826	0.3118379	TwoSample_MR	MDD	M_VLDL_TG
Weighted median	108	0.0547751	0.0246014	0.0259806	TwoSample_MR	MDD	M_VLDL_TG
Inverse variance weighted	108	0.0825865	0.0204545	0.000054	TwoSample_MR	MDD	M_VLDL_TG
Simple mode	108	0.0440557	0.0684974	0.5214874	TwoSample_MR	MDD	M_VLDL_TG
Weighted mode	108	0.0348506	0.0625724	0.5787152	TwoSample_MR	MDD	M_VLDL_TG
MR Egger	108	0.0344883	0.1036421	0.7399702	TwoSample_MR	MDD	M_VLDL_TG_pct
Weighted median	108	0.1120856	0.024167	0.0000035	TwoSample_MR	MDD	M_VLDL_TG_pct
Inverse variance weighted	108	0.1059606	0.022788	0.0000033	TwoSample_MR	MDD	M_VLDL_TG_pct
Simple mode	108	0.1171951	0.0568911	0.0418262	TwoSample_MR	MDD	M_VLDL_TG_pct
Weighted mode	108	0.1237836	0.0538859	0.023557	TwoSample_MR	MDD	M_VLDL_TG_pct
MR Egger	108	0.0714435	0.0997078	0.4752407	TwoSample_MR	MDD	Omega_6_pct
Weighted median	108	-0.0810268	0.0247871	0.0010796	TwoSample_MR	MDD	Omega_6_pct
Inverse variance weighted	108	-0.1008933	0.022193	0.0000055	TwoSample_MR	MDD	Omega_6_pct
Simple mode	108	-0.0803998	0.064071	0.2122656	TwoSample_MR	MDD	Omega_6_pct
Weighted mode	108	-0.0803998	0.0649831	0.2187058	TwoSample_MR	MDD	Omega_6_pct
MR Egger	108	0.0152848	0.1236368	0.9018453	TwoSample_MR	MDD	PUFA_by_MUFA
Weighted median	108	-0.1206485	0.0248057	0.0000012	TwoSample_MR	MDD	PUFA_by_MUFA
Inverse variance weighted	108	-0.1359765	0.0273214	0.0000006	TwoSample_MR	MDD	PUFA_by_MUFA
Simple mode	108	-0.1566297	0.0740667	0.0367768	TwoSample_MR	MDD	PUFA_by_MUFA
Weighted mode	108	-0.146574	0.0714334	0.042621	TwoSample_MR	MDD	PUFA_by_MUFA
MR Egger	108	0.0784115	0.1126044	0.4877373	TwoSample_MR	MDD	PUFA_pct
Weighted median	108	-0.0877099	0.0259054	0.0007098	TwoSample_MR	MDD	PUFA_pct
Inverse variance weighted	108	-0.1142222	0.0250558	0.0000051	TwoSample_MR	MDD	PUFA_pct
Simple mode	108	-0.1247905	0.0754478	0.1010588	TwoSample_MR	MDD	PUFA_pct
Weighted mode	108	-0.1016634	0.0714972	0.1579576	TwoSample_MR	MDD	PUFA_pct
MR Egger	108	0.0531089	0.0801549	0.5090386	TwoSample_MR	MDD	Pyruvate
Weighted median	108	0.0293892	0.0250656	0.2409997	TwoSample_MR	MDD	Pyruvate
Inverse variance weighted	108	0.0298772	0.0175862	0.0893376	TwoSample_MR	MDD	Pyruvate
Simple mode	108	0.005308	0.0703141	0.9399662	TwoSample_MR	MDD	Pyruvate
Weighted mode	108	0.0178188	0.0704937	0.8009296	TwoSample_MR	MDD	Pyruvate
MR Egger	108	-0.0518511	0.0972319	0.5949614	TwoSample_MR	MDD	S_HDL_C_pct
Weighted median	108	-0.0806612	0.0255207	0.0015743	TwoSample_MR	MDD	S_HDL_C_pct
Inverse variance weighted	108	-0.0731061	0.0213308	0.0006097	TwoSample_MR	MDD	S_HDL_C_pct
Simple mode	108	-0.0930532	0.0772158	0.2308211	TwoSample_MR	MDD	S_HDL_C_pct
Weighted mode	108	-0.096331	0.0780051	0.2195604	TwoSample_MR	MDD	S_HDL_C_pct
MR Egger	108	0.0038405	0.096705	0.9683959	TwoSample_MR	MDD	S_HDL_FC_pct
Weighted median	108	-0.0645623	0.0234731	0.0059508	TwoSample_MR	MDD	S_HDL_FC_pct
Inverse variance weighted	108	-0.0678958	0.021267	0.0014102	TwoSample_MR	MDD	S_HDL_FC_pct
Simple mode	108	-0.0871921	0.0677903	0.201148	TwoSample_MR	MDD	S_HDL_FC_pct
Weighted mode	108	-0.0871921	0.060875	0.1549687	TwoSample_MR	MDD	S_HDL_FC_pct
MR Egger	108	-0.0122485	0.1044066	0.9068324	TwoSample_MR	MDD	S_HDL_TG
Weighted median	108	0.0974063	0.026381	0.0002222	TwoSample_MR	MDD	S_HDL_TG
Inverse variance weighted	108	0.1083879	0.0230536	0.0000026	TwoSample_MR	MDD	S_HDL_TG
Simple mode	108	0.1743372	0.0840084	0.0403628	TwoSample_MR	MDD	S_HDL_TG

Weighted mode	108	0.1534657	0.0842359	0.0712703	TwoSample_MR	MDD	S_HDL_TG
MR Egger	108	-0.0569276	0.0964989	0.5564928	TwoSample_MR	MDD	S_HDL_TG_pct
Weighted median	108	0.1054354	0.0238596	0.0000099	TwoSample_MR	MDD	S_HDL_TG_pct
Inverse variance weighted	108	0.0901884	0.0214091	0.0000252	TwoSample_MR	MDD	S_HDL_TG_pct
Simple mode	108	0.1295313	0.06991	0.0666625	TwoSample_MR	MDD	S_HDL_TG_pct
Weighted mode	108	0.1295313	0.0620763	0.0392964	TwoSample_MR	MDD	S_HDL_TG_pct
MR Egger	108	-0.0591222	0.0992667	0.5527193	TwoSample_MR	MDD	S_LDL_PL_pct
Weighted median	108	-0.0632553	0.0251198	0.0117976	TwoSample_MR	MDD	S_LDL_PL_pct
Inverse variance weighted	108	-0.0705468	0.0217752	0.0011962	TwoSample_MR	MDD	S_LDL_PL_pct
Simple mode	108	-0.0950822	0.0799242	0.2368153	TwoSample_MR	MDD	S_LDL_PL_pct
Weighted mode	108	-0.0856519	0.0808879	0.2920317	TwoSample_MR	MDD	S_LDL_PL_pct
MR Egger	108	-0.0235492	0.0910571	0.7964299	TwoSample_MR	MDD	S_LDL_TG
Weighted median	108	0.0835167	0.0247833	0.000752	TwoSample_MR	MDD	S_LDL_TG
Inverse variance weighted	108	0.0933573	0.0201398	0.0000036	TwoSample_MR	MDD	S_LDL_TG
Simple mode	108	0.0909734	0.0757482	0.2324044	TwoSample_MR	MDD	S_LDL_TG
Weighted mode	108	0.0848164	0.0748969	0.2599799	TwoSample_MR	MDD	S_LDL_TG
MR Egger	108	0.1121516	0.1029963	0.2786719	TwoSample_MR	MDD	S_LDL_TG_pct
Weighted median	108	0.1172553	0.0252716	0.0000035	TwoSample_MR	MDD	S_LDL_TG_pct
Inverse variance weighted	108	0.1111269	0.022595	0.0000009	TwoSample_MR	MDD	S_LDL_TG_pct
Simple mode	108	0.1406928	0.06535	0.033572	TwoSample_MR	MDD	S_LDL_TG_pct
Weighted mode	108	0.1406928	0.0624199	0.0262356	TwoSample_MR	MDD	S_LDL_TG_pct
MR Egger	108	-0.1325769	0.09821	0.1799132	TwoSample_MR	MDD	S_VLDL_C_pct
Weighted median	108	-0.1161921	0.0236767	0.0000009	TwoSample_MR	MDD	S_VLDL_C_pct
Inverse variance weighted	108	-0.0962925	0.0215567	0.0000079	TwoSample_MR	MDD	S_VLDL_C_pct
Simple mode	108	-0.116706	0.0641988	0.0718797	TwoSample_MR	MDD	S_VLDL_C_pct
Weighted mode	108	-0.1321955	0.0554334	0.01885	TwoSample_MR	MDD	S_VLDL_C_pct
MR Egger	108	-0.0969671	0.1043085	0.3546809	TwoSample_MR	MDD	S_VLDL_FC_pct
Weighted median	108	-0.1237079	0.0233128	0.0000001	TwoSample_MR	MDD	S_VLDL_FC_pct
Inverse variance weighted	108	-0.1046791	0.0228809	0.0000048	TwoSample_MR	MDD	S_VLDL_FC_pct
Simple mode	108	-0.1438262	0.0646844	0.0282834	TwoSample_MR	MDD	S_VLDL_FC_pct
Weighted mode	108	-0.1405416	0.0570458	0.0153458	TwoSample_MR	MDD	S_VLDL_FC_pct
MR Egger	108	-0.0827061	0.0848566	0.3319488	TwoSample_MR	MDD	S_VLDL_L
Weighted median	108	0.0377801	0.0247268	0.126537	TwoSample_MR	MDD	S_VLDL_L
Inverse variance weighted	108	0.0573384	0.0188636	0.0023686	TwoSample_MR	MDD	S_VLDL_L
Simple mode	108	0.0272315	0.0678233	0.688848	TwoSample_MR	MDD	S_VLDL_L
Weighted mode	108	0.0189435	0.073028	0.7958248	TwoSample_MR	MDD	S_VLDL_L
MR Egger	108	-0.0811725	0.0844834	0.3388338	TwoSample_MR	MDD	S_VLDL_P
Weighted median	108	0.042411	0.0241214	0.0787081	TwoSample_MR	MDD	S_VLDL_P
Inverse variance weighted	108	0.0608646	0.01879	0.0011987	TwoSample_MR	MDD	S_VLDL_P
Simple mode	108	0.0217626	0.0671997	0.7466841	TwoSample_MR	MDD	S_VLDL_P
Weighted mode	108	0.010679	0.0665357	0.87279	TwoSample_MR	MDD	S_VLDL_P
MR Egger	108	-0.0945186	0.1029487	0.3606438	TwoSample_MR	MDD	S_VLDL_PL_pct
Weighted median	108	-0.1205443	0.0246074	0.000001	TwoSample_MR	MDD	S_VLDL_PL_pct
Inverse variance weighted	108	-0.1013302	0.0225823	0.0000072	TwoSample_MR	MDD	S_VLDL_PL_pct
Simple mode	108	-0.1381097	0.0620833	0.0282083	TwoSample_MR	MDD	S_VLDL_PL_pct
Weighted mode	108	-0.1381097	0.0572754	0.0175979	TwoSample_MR	MDD	S_VLDL_PL_pct
MR Egger	108	-0.0109853	0.0947317	0.907902	TwoSample_MR	MDD	S_VLDL_TG
Weighted median	108	0.0632181	0.0252607	0.0123275	TwoSample_MR	MDD	S_VLDL_TG
Inverse variance weighted	108	0.0942995	0.0209085	0.0000065	TwoSample_MR	MDD	S_VLDL_TG
Simple mode	108	0.0606293	0.0734189	0.4107555	TwoSample_MR	MDD	S_VLDL_TG
Weighted mode	108	0.0447095	0.0730159	0.5416214	TwoSample_MR	MDD	S_VLDL_TG
MR Egger	108	0.1228652	0.0999325	0.2216132	TwoSample_MR	MDD	S_VLDL_TG_pct
Weighted median	108	0.1126045	0.0242182	0.0000033	TwoSample_MR	MDD	S_VLDL_TG_pct
Inverse variance weighted	108	0.0994497	0.0219262	0.0000057	TwoSample_MR	MDD	S_VLDL_TG_pct
Simple mode	108	0.1215705	0.0602978	0.0462882	TwoSample_MR	MDD	S_VLDL_TG_pct
Weighted mode	108	0.1308776	0.054461	0.0179755	TwoSample_MR	MDD	S_VLDL_TG_pct
MR Egger	108	-0.0301046	0.0972402	0.7574805	TwoSample_MR	MDD	Sphingomyelins
Weighted median	108	-0.0215488	0.0239087	0.3674317	TwoSample_MR	MDD	Sphingomyelins
Inverse variance weighted	108	-0.0391216	0.0213279	0.0666114	TwoSample_MR	MDD	Sphingomyelins
Simple mode	108	-0.0392064	0.064211	0.542768	TwoSample_MR	MDD	Sphingomyelins
Weighted mode	108	-0.0352774	0.0650357	0.5886494	TwoSample_MR	MDD	Sphingomyelins
MR Egger	108	-0.1098953	0.0949893	0.2499041	TwoSample_MR	MDD	TG_by_PG

Weighted median	108	0.0872591	0.0235867	0.000216	TwoSample_MR	MDD	TG_by_PG
Inverse variance weighted	108	0.0967149	0.0213234	0.0000057	TwoSample_MR	MDD	TG_by_PG
Simple mode	108	0.1490407	0.0636666	0.0210874	TwoSample_MR	MDD	TG_by_PG
Weighted mode	108	0.126478	0.058155	0.0318438	TwoSample_MR	MDD	TG_by_PG
MR Egger	108	-0.034466	0.089382	0.7005629	TwoSample_MR	MDD	Total_CE
Weighted median	108	-0.0392492	0.0247825	0.1132515	TwoSample_MR	MDD	Total_CE
Inverse variance weighted	108	-0.0366045	0.0196043	0.0618783	TwoSample_MR	MDD	Total_CE
Simple mode	108	-0.0788884	0.077936	0.3137165	TwoSample_MR	MDD	Total_CE
Weighted mode	108	-0.0701567	0.0817044	0.3924444	TwoSample_MR	MDD	Total_CE
MR Egger	108	0.1193979	0.0939162	0.2063964	TwoSample_MR	MDD	Total_P
Weighted median	108	0.0014931	0.0240262	0.9504474	TwoSample_MR	MDD	Total_P
Inverse variance weighted	108	-0.0016036	0.0207662	0.9384478	TwoSample_MR	MDD	Total_P
Simple mode	108	0.0086752	0.0838194	0.9177613	TwoSample_MR	MDD	Total_P
Weighted mode	108	0.014436	0.0838168	0.8635794	TwoSample_MR	MDD	Total_P
MR Egger	108	-0.0642302	0.0961866	0.5057338	TwoSample_MR	MDD	Total_TG
Weighted median	108	0.08367	0.0248925	0.0007759	TwoSample_MR	MDD	Total_TG
Inverse variance weighted	108	0.0937994	0.0213834	0.0000115	TwoSample_MR	MDD	Total_TG
Simple mode	108	0.1003354	0.0777913	0.1999003	TwoSample_MR	MDD	Total_TG
Weighted mode	108	0.0939459	0.0758893	0.2184504	TwoSample_MR	MDD	Total_TG
MR Egger	108	0.0473825	0.1763137	0.7886523	TwoSample_MR	MDD	Unsaturation
Weighted median	108	-0.0850081	0.0251523	0.0007256	TwoSample_MR	MDD	Unsaturation
Inverse variance weighted	108	-0.1093329	0.0388172	0.0048534	TwoSample_MR	MDD	Unsaturation
Simple mode	108	-0.1394672	0.0714158	0.0534445	TwoSample_MR	MDD	Unsaturation
Weighted mode	108	-0.1394672	0.0663919	0.0380196	TwoSample_MR	MDD	Unsaturation
MR Egger	108	-0.1213888	0.0845281	0.1539254	TwoSample_MR	MDD	VLDL_FC
Weighted median	108	0.040934	0.0253536	0.1064136	TwoSample_MR	MDD	VLDL_FC
Inverse variance weighted	108	0.0493852	0.0189138	0.0090262	TwoSample_MR	MDD	VLDL_FC
Simple mode	108	0.0288359	0.0653654	0.6599952	TwoSample_MR	MDD	VLDL_FC
Weighted mode	108	0.0288359	0.0671217	0.6683461	TwoSample_MR	MDD	VLDL_FC
MR Egger	108	-0.1060687	0.0900116	0.2412802	TwoSample_MR	MDD	VLDL_L
Weighted median	108	0.0615789	0.024222	0.0110134	TwoSample_MR	MDD	VLDL_L
Inverse variance weighted	108	0.0736427	0.0201335	0.0002545	TwoSample_MR	MDD	VLDL_L
Simple mode	108	0.0831542	0.0698827	0.2367148	TwoSample_MR	MDD	VLDL_L
Weighted mode	108	0.0772887	0.0667487	0.2494811	TwoSample_MR	MDD	VLDL_L
MR Egger	108	-0.1112465	0.0865755	0.2016052	TwoSample_MR	MDD	VLDL_PL
Weighted median	108	0.0528203	0.0240844	0.0282979	TwoSample_MR	MDD	VLDL_PL
Inverse variance weighted	108	0.0625069	0.0193676	0.0012492	TwoSample_MR	MDD	VLDL_PL
Simple mode	108	0.0633802	0.0705836	0.3712315	TwoSample_MR	MDD	VLDL_PL
Weighted mode	108	0.057646	0.06715	0.3925535	TwoSample_MR	MDD	VLDL_PL
MR Egger	108	-0.0862813	0.0957993	0.3698181	TwoSample_MR	MDD	VLDL_TG
Weighted median	108	0.0875126	0.024496	0.0003536	TwoSample_MR	MDD	VLDL_TG
Inverse variance weighted	108	0.0945365	0.021387	0.0000099	TwoSample_MR	MDD	VLDL_TG
Simple mode	108	0.1019205	0.0690151	0.1426706	TwoSample_MR	MDD	VLDL_TG
Weighted mode	108	0.0894501	0.0694775	0.2007088	TwoSample_MR	MDD	VLDL_TG
MR Egger	108	-0.097012	0.0951045	0.3100241	TwoSample_MR	MDD	VLDL_size
Weighted median	108	0.0655982	0.0236466	0.0055354	TwoSample_MR	MDD	VLDL_size
Inverse variance weighted	108	0.1008164	0.0213106	0.0000022	TwoSample_MR	MDD	VLDL_size
Simple mode	108	0.0527944	0.061621	0.3934919	TwoSample_MR	MDD	VLDL_size
Weighted mode	108	0.0527944	0.0597079	0.3785639	TwoSample_MR	MDD	VLDL_size
MR Egger	108	0.0460789	0.1026475	0.6544173	TwoSample_MR	MDD	XL_HDL_C
Weighted median	108	-0.0811916	0.0241303	0.0007662	TwoSample_MR	MDD	XL_HDL_C
Inverse variance weighted	108	-0.1085324	0.0227649	0.0000019	TwoSample_MR	MDD	XL_HDL_C
Simple mode	108	-0.0038446	0.0732127	0.9582182	TwoSample_MR	MDD	XL_HDL_C
Weighted mode	108	-0.0108784	0.0670774	0.8714728	TwoSample_MR	MDD	XL_HDL_C
MR Egger	108	0.0671016	0.1018949	0.5116206	TwoSample_MR	MDD	XL_HDL_CE
Weighted median	108	-0.0906519	0.0239799	0.0001566	TwoSample_MR	MDD	XL_HDL_CE
Inverse variance weighted	108	-0.1048883	0.0226614	0.0000037	TwoSample_MR	MDD	XL_HDL_CE
Simple mode	108	0.001317	0.0719617	0.9854321	TwoSample_MR	MDD	XL_HDL_CE
Weighted mode	108	0.001317	0.0677903	0.9845358	TwoSample_MR	MDD	XL_HDL_CE
MR Egger	108	-0.0307203	0.1042087	0.768726	TwoSample_MR	MDD	XL_HDL_FC
Weighted median	108	-0.0942132	0.0249696	0.0001612	TwoSample_MR	MDD	XL_HDL_FC
Inverse variance weighted	108	-0.114635	0.022929	0.0000006	TwoSample_MR	MDD	XL_HDL_FC

Simple mode	108	-0.0157798	0.0760959	0.8361173	TwoSample_MR	MDD	XL_HDL_FC
Weighted mode	108	-0.0195793	0.0734011	0.7901802	TwoSample_MR	MDD	XL_HDL_FC
MR Egger	108	-0.1882638	0.0895752	0.0379458	TwoSample_MR	MDD	XL_HDL_FC_pct
Weighted median	108	0.0203043	0.0226748	0.3705437	TwoSample_MR	MDD	XL_HDL_FC_pct
Inverse variance weighted	108	0.0588756	0.020373	0.0038539	TwoSample_MR	MDD	XL_HDL_FC_pct
Simple mode	108	-0.0144502	0.075584	0.848746	TwoSample_MR	MDD	XL_HDL_FC_pct
Weighted mode	108	-0.0116501	0.0705143	0.8690859	TwoSample_MR	MDD	XL_HDL_FC_pct
MR Egger	108	0.0621785	0.0992543	0.5323623	TwoSample_MR	MDD	XL_HDL_L
Weighted median	108	-0.0736329	0.0240025	0.002157	TwoSample_MR	MDD	XL_HDL_L
Inverse variance weighted	108	-0.0993926	0.0220523	0.0000066	TwoSample_MR	MDD	XL_HDL_L
Simple mode	108	0.0045406	0.0738193	0.9510684	TwoSample_MR	MDD	XL_HDL_L
Weighted mode	108	0.0045406	0.0715059	0.9494875	TwoSample_MR	MDD	XL_HDL_L
MR Egger	108	0.0530931	0.0986735	0.5916572	TwoSample_MR	MDD	XL_HDL_P
Weighted median	108	-0.0682041	0.0237141	0.0040263	TwoSample_MR	MDD	XL_HDL_P
Inverse variance weighted	108	-0.089919	0.0218648	0.0000391	TwoSample_MR	MDD	XL_HDL_P
Simple mode	108	-0.0028275	0.0794568	0.9716788	TwoSample_MR	MDD	XL_HDL_P
Weighted mode	108	0.0077108	0.0777911	0.9212268	TwoSample_MR	MDD	XL_HDL_P
MR Egger	108	0.0741992	0.0973497	0.4476379	TwoSample_MR	MDD	XL_HDL_PL
Weighted median	108	-0.0662213	0.0246644	0.0072552	TwoSample_MR	MDD	XL_HDL_PL
Inverse variance weighted	108	-0.0963752	0.0216729	0.0000087	TwoSample_MR	MDD	XL_HDL_PL
Simple mode	108	0.0054136	0.074356	0.942096	TwoSample_MR	MDD	XL_HDL_PL
Weighted mode	108	0.0087596	0.0674177	0.8968655	TwoSample_MR	MDD	XL_HDL_PL
MR Egger	108	-0.0381645	0.09999	0.7034609	TwoSample_MR	MDD	XL_HDL_TG_pct
Weighted median	108	0.0719727	0.0251728	0.0042479	TwoSample_MR	MDD	XL_HDL_TG_pct
Inverse variance weighted	108	0.1154466	0.0221886	0.0000002	TwoSample_MR	MDD	XL_HDL_TG_pct
Simple mode	108	0.0298359	0.0711392	0.6757638	TwoSample_MR	MDD	XL_HDL_TG_pct
Weighted mode	108	0.0477081	0.0660995	0.4720146	TwoSample_MR	MDD	XL_HDL_TG_pct
MR Egger	108	-0.1247457	0.0885253	0.1617168	TwoSample_MR	MDD	XL_VLDL_C
Weighted median	108	0.0691438	0.0244516	0.0046872	TwoSample_MR	MDD	XL_VLDL_C
Inverse variance weighted	108	0.0734942	0.0198977	0.0002211	TwoSample_MR	MDD	XL_VLDL_C
Simple mode	108	0.1022705	0.0657852	0.1229911	TwoSample_MR	MDD	XL_VLDL_C
Weighted mode	108	0.0993496	0.0621472	0.1128546	TwoSample_MR	MDD	XL_VLDL_C
MR Egger	108	-0.1304235	0.0847624	0.1268585	TwoSample_MR	MDD	XL_VLDL_CE
Weighted median	108	0.0486075	0.024507	0.0473215	TwoSample_MR	MDD	XL_VLDL_CE
Inverse variance weighted	108	0.0612329	0.0190595	0.0013148	TwoSample_MR	MDD	XL_VLDL_CE
Simple mode	108	0.0526522	0.0606574	0.3873224	TwoSample_MR	MDD	XL_VLDL_CE
Weighted mode	108	0.0498703	0.061765	0.4212154	TwoSample_MR	MDD	XL_VLDL_CE
MR Egger	108	0.0230698	0.1010813	0.8199072	TwoSample_MR	MDD	XL_VLDL_CE_pct
Weighted median	108	-0.0855639	0.0254442	0.0007715	TwoSample_MR	MDD	XL_VLDL_CE_pct
Inverse variance weighted	108	-0.0936713	0.0223228	0.0000271	TwoSample_MR	MDD	XL_VLDL_CE_pct
Simple mode	108	-0.0651047	0.0645768	0.3156448	TwoSample_MR	MDD	XL_VLDL_CE_pct
Weighted mode	108	-0.075279	0.0541414	0.1672883	TwoSample_MR	MDD	XL_VLDL_CE_pct
MR Egger	108	0.0291698	0.1022413	0.7759687	TwoSample_MR	MDD	XL_VLDL_C_pct
Weighted median	108	-0.0926865	0.0246224	0.000167	TwoSample_MR	MDD	XL_VLDL_C_pct
Inverse variance weighted	108	-0.0958011	0.0225959	0.0000224	TwoSample_MR	MDD	XL_VLDL_C_pct
Simple mode	108	-0.0733215	0.0643811	0.2573023	TwoSample_MR	MDD	XL_VLDL_C_pct
Weighted mode	108	-0.0835576	0.0515168	0.1077573	TwoSample_MR	MDD	XL_VLDL_C_pct
MR Egger	108	-0.1132111	0.0918822	0.2206258	TwoSample_MR	MDD	XL_VLDL_FC
Weighted median	108	0.0742946	0.0244183	0.0023456	TwoSample_MR	MDD	XL_VLDL_FC
Inverse variance weighted	108	0.0831878	0.0206101	0.0000543	TwoSample_MR	MDD	XL_VLDL_FC
Simple mode	108	0.1321275	0.0674853	0.0528489	TwoSample_MR	MDD	XL_VLDL_FC
Weighted mode	108	0.1195963	0.0654941	0.0706296	TwoSample_MR	MDD	XL_VLDL_FC
MR Egger	108	0.0403612	0.1023857	0.6942203	TwoSample_MR	MDD	XL_VLDL_FC_pct
Weighted median	108	-0.0747353	0.025034	0.0028325	TwoSample_MR	MDD	XL_VLDL_FC_pct
Inverse variance weighted	108	-0.0893022	0.0226345	0.0000797	TwoSample_MR	MDD	XL_VLDL_FC_pct
Simple mode	108	-0.1217942	0.0680764	0.0764311	TwoSample_MR	MDD	XL_VLDL_FC_pct
Weighted mode	108	-0.1075447	0.0600417	0.0760937	TwoSample_MR	MDD	XL_VLDL_FC_pct
MR Egger	108	-0.1109747	0.095329	0.2469875	TwoSample_MR	MDD	XL_VLDL_L
Weighted median	108	0.0886957	0.0245143	0.0002968	TwoSample_MR	MDD	XL_VLDL_L
Inverse variance weighted	108	0.0928537	0.0213843	0.0000141	TwoSample_MR	MDD	XL_VLDL_L
Simple mode	108	0.1457912	0.070862	0.0420793	TwoSample_MR	MDD	XL_VLDL_L
Weighted mode	108	0.130229	0.0672	0.055267	TwoSample_MR	MDD	XL_VLDL_L

MR Egger	108	-0.1046125	0.0948724	0.2726699	TwoSample_MR	MDD	XL_VLDL_P
Weighted median	108	0.0783325	0.0251671	0.0018551	TwoSample_MR	MDD	XL_VLDL_P
Inverse variance weighted	108	0.0920552	0.0212537	0.0000148	TwoSample_MR	MDD	XL_VLDL_P
Simple mode	108	0.1424983	0.0695573	0.0429441	TwoSample_MR	MDD	XL_VLDL_P
Weighted mode	108	0.1173755	0.0653502	0.0753006	TwoSample_MR	MDD	XL_VLDL_P
MR Egger	108	-0.116293	0.0935171	0.2164093	TwoSample_MR	MDD	XL_VLDL_PL
Weighted median	108	0.0758504	0.0240975	0.0016459	TwoSample_MR	MDD	XL_VLDL_PL
Inverse variance weighted	108	0.0884453	0.0209995	0.0000253	TwoSample_MR	MDD	XL_VLDL_PL
Simple mode	108	0.1416071	0.0683361	0.040649	TwoSample_MR	MDD	XL_VLDL_PL
Weighted mode	108	0.12604	0.0669517	0.0624779	TwoSample_MR	MDD	XL_VLDL_PL
MR Egger	108	-0.1056947	0.0983072	0.2847498	TwoSample_MR	MDD	XL_VLDL_TG
Weighted median	108	0.1053273	0.0255381	0.0000372	TwoSample_MR	MDD	XL_VLDL_TG
Inverse variance weighted	108	0.0992173	0.0220296	0.0000067	TwoSample_MR	MDD	XL_VLDL_TG
Simple mode	108	0.1576927	0.0743293	0.0361852	TwoSample_MR	MDD	XL_VLDL_TG
Weighted mode	108	0.1385824	0.0653712	0.0363239	TwoSample_MR	MDD	XL_VLDL_TG
MR Egger	108	-0.0068398	0.0996471	0.9454054	TwoSample_MR	MDD	XL_VLDL_TG_pct
Weighted median	108	0.0953845	0.0240521	0.0000732	TwoSample_MR	MDD	XL_VLDL_TG_pct
Inverse variance weighted	108	0.0884344	0.0219573	0.0000564	TwoSample_MR	MDD	XL_VLDL_TG_pct
Simple mode	108	0.0889529	0.0628171	0.1596616	TwoSample_MR	MDD	XL_VLDL_TG_pct
Weighted mode	108	0.0954921	0.054305	0.081532	TwoSample_MR	MDD	XL_VLDL_TG_pct
MR Egger	108	-0.0910129	0.1013396	0.3711687	TwoSample_MR	MDD	XS_VLDL_CE_pct
Weighted median	108	-0.1036245	0.0236245	0.0000115	TwoSample_MR	MDD	XS_VLDL_CE_pct
Inverse variance weighted	108	-0.1228486	0.0222401	0	TwoSample_MR	MDD	XS_VLDL_CE_pct
Simple mode	108	-0.1136037	0.0663872	0.0899363	TwoSample_MR	MDD	XS_VLDL_CE_pct
Weighted mode	108	-0.1136037	0.0662236	0.089156	TwoSample_MR	MDD	XS_VLDL_CE_pct
MR Egger	108	-0.1108525	0.1032793	0.2855617	TwoSample_MR	MDD	XS_VLDL_C_pct
Weighted median	108	-0.1153357	0.0238168	0.0000013	TwoSample_MR	MDD	XS_VLDL_C_pct
Inverse variance weighted	108	-0.1240725	0.0226566	0	TwoSample_MR	MDD	XS_VLDL_C_pct
Simple mode	108	-0.133772	0.0633004	0.0369009	TwoSample_MR	MDD	XS_VLDL_C_pct
Weighted mode	108	-0.133772	0.0610954	0.0307282	TwoSample_MR	MDD	XS_VLDL_C_pct
MR Egger	108	-0.200275	0.1035628	0.055798	TwoSample_MR	MDD	XS_VLDL_FC_pct
Weighted median	108	-0.0982301	0.0249266	0.0000812	TwoSample_MR	MDD	XS_VLDL_FC_pct
Inverse variance weighted	108	-0.0960376	0.022828	0.0000259	TwoSample_MR	MDD	XS_VLDL_FC_pct
Simple mode	108	-0.1409695	0.0656973	0.0341543	TwoSample_MR	MDD	XS_VLDL_FC_pct
Weighted mode	108	-0.1409695	0.0646024	0.0312886	TwoSample_MR	MDD	XS_VLDL_FC_pct
MR Egger	108	-0.0488634	0.0824945	0.5548955	TwoSample_MR	MDD	XS_VLDL_PL_pct
Weighted median	108	0.0619305	0.024721	0.0122389	TwoSample_MR	MDD	XS_VLDL_PL_pct
Inverse variance weighted	108	0.0727944	0.0182868	0.0000687	TwoSample_MR	MDD	XS_VLDL_PL_pct
Simple mode	108	0.0512566	0.0637991	0.423521	TwoSample_MR	MDD	XS_VLDL_PL_pct
Weighted mode	108	0.0640704	0.0615822	0.3004965	TwoSample_MR	MDD	XS_VLDL_PL_pct
MR Egger	108	0.0183218	0.0910906	0.8409757	TwoSample_MR	MDD	XS_VLDL_TG
Weighted median	108	0.0879937	0.0246966	0.0003667	TwoSample_MR	MDD	XS_VLDL_TG
Inverse variance weighted	108	0.085075	0.0200334	0.0000217	TwoSample_MR	MDD	XS_VLDL_TG
Simple mode	108	0.0998697	0.0735046	0.1771033	TwoSample_MR	MDD	XS_VLDL_TG
Weighted mode	108	0.0941448	0.0733385	0.2020192	TwoSample_MR	MDD	XS_VLDL_TG
MR Egger	108	0.1317897	0.1051832	0.2129793	TwoSample_MR	MDD	XS_VLDL_TG_pct
Weighted median	108	0.1231057	0.0247354	0.0000006	TwoSample_MR	MDD	XS_VLDL_TG_pct
Inverse variance weighted	108	0.1235534	0.0230734	0.0000001	TwoSample_MR	MDD	XS_VLDL_TG_pct
Simple mode	108	0.1666903	0.0673644	0.0149146	TwoSample_MR	MDD	XS_VLDL_TG_pct
Weighted mode	108	0.1701994	0.0686529	0.0147313	TwoSample_MR	MDD	XS_VLDL_TG_pct
MR Egger	108	-0.0328402	0.0983754	0.7391711	TwoSample_MR	MDD	XXL_VLDL_C
Weighted median	108	0.0996144	0.0248239	0.00006	TwoSample_MR	MDD	XXL_VLDL_C
Inverse variance weighted	108	0.1024825	0.0217867	0.0000026	TwoSample_MR	MDD	XXL_VLDL_C
Simple mode	108	0.1578329	0.072162	0.0309044	TwoSample_MR	MDD	XXL_VLDL_C
Weighted mode	108	0.1517247	0.0728258	0.0395981	TwoSample_MR	MDD	XXL_VLDL_C
MR Egger	108	-0.0420691	0.0979528	0.6684432	TwoSample_MR	MDD	XXL_VLDL_CE
Weighted median	108	0.106221	0.0242665	0.000012	TwoSample_MR	MDD	XXL_VLDL_CE
Inverse variance weighted	108	0.0998791	0.0217141	0.0000042	TwoSample_MR	MDD	XXL_VLDL_CE
Simple mode	108	0.1474082	0.072805	0.0453888	TwoSample_MR	MDD	XXL_VLDL_CE
Weighted mode	108	0.138308	0.0707569	0.0532284	TwoSample_MR	MDD	XXL_VLDL_CE
MR Egger	108	-0.0292412	0.0985706	0.7673126	TwoSample_MR	MDD	XXL_VLDL_FC
Weighted median	108	0.0904131	0.0246836	0.0002494	TwoSample_MR	MDD	XXL_VLDL_FC

Inverse variance weighted	108	0.1029572	0.0218206	0.0000024	TwoSample_MR	MDD	XXL_VLDL_FC
Simple mode	108	0.1570263	0.0709542	0.0290165	TwoSample_MR	MDD	XXL_VLDL_FC
Weighted mode	108	0.1507519	0.0685471	0.0300123	TwoSample_MR	MDD	XXL_VLDL_FC
MR Egger	108	-0.0687228	0.0979677	0.4845383	TwoSample_MR	MDD	XXL_VLDL_L
Weighted median	108	0.1121153	0.0245612	0.000005	TwoSample_MR	MDD	XXL_VLDL_L
Inverse variance weighted	108	0.0989111	0.0218076	0.0000057	TwoSample_MR	MDD	XXL_VLDL_L
Simple mode	108	0.155625	0.0681667	0.0244063	TwoSample_MR	MDD	XXL_VLDL_L
Weighted mode	108	0.155625	0.0649786	0.0183575	TwoSample_MR	MDD	XXL_VLDL_L
MR Egger	108	-0.0550746	0.0978957	0.5749057	TwoSample_MR	MDD	XXL_VLDL_P
Weighted median	108	0.1019024	0.0246549	0.0000358	TwoSample_MR	MDD	XXL_VLDL_P
Inverse variance weighted	108	0.101442	0.0217515	0.0000031	TwoSample_MR	MDD	XXL_VLDL_P
Simple mode	108	0.1637175	0.0713674	0.023743	TwoSample_MR	MDD	XXL_VLDL_P
Weighted mode	108	0.1606548	0.0724977	0.0288089	TwoSample_MR	MDD	XXL_VLDL_P
MR Egger	108	-0.0399942	0.0978113	0.6834444	TwoSample_MR	MDD	XXL_VLDL_PL
Weighted median	108	0.0896769	0.0244563	0.0002456	TwoSample_MR	MDD	XXL_VLDL_PL
Inverse variance weighted	108	0.1064028	0.0216995	0.0000009	TwoSample_MR	MDD	XXL_VLDL_PL
Simple mode	108	0.1560608	0.0679222	0.0235277	TwoSample_MR	MDD	XXL_VLDL_PL
Weighted mode	108	0.1530212	0.0699226	0.030812	TwoSample_MR	MDD	XXL_VLDL_PL
MR Egger	108	0.178329	0.0884501	0.0463135	TwoSample_MR	MDD	XXL_VLDL_PL_pct
Weighted median	108	0.0359582	0.025281	0.1549274	TwoSample_MR	MDD	XXL_VLDL_PL_pct
Inverse variance weighted	108	0.0606765	0.0195697	0.0019317	TwoSample_MR	MDD	XXL_VLDL_PL_pct
Simple mode	108	-0.0547996	0.0741743	0.4616487	TwoSample_MR	MDD	XXL_VLDL_PL_pct
Weighted mode	108	-0.0575055	0.0735714	0.4361588	TwoSample_MR	MDD	XXL_VLDL_PL_pct
MR Egger	108	-0.0843522	0.0979446	0.3910587	TwoSample_MR	MDD	XXL_VLDL_TG
Weighted median	108	0.1011882	0.024636	0.00004	TwoSample_MR	MDD	XXL_VLDL_TG
Inverse variance weighted	108	0.0950513	0.0218481	0.0000136	TwoSample_MR	MDD	XXL_VLDL_TG
Simple mode	108	0.1302121	0.0653307	0.0487935	TwoSample_MR	MDD	XXL_VLDL_TG
Weighted mode	108	0.1362733	0.0670184	0.0444901	TwoSample_MR	MDD	XXL_VLDL_TG
MR Egger	112	0.0035335	0.0282478	0.9006821	TwoSample_MR	M_HDL_CE	MDD
Weighted median	112	0.0169073	0.0185203	0.361293	TwoSample_MR	M_HDL_CE	MDD
Inverse variance weighted	112	0.027633	0.0165354	0.094694	TwoSample_MR	M_HDL_CE	MDD
Simple mode	112	-0.0106186	0.0304467	0.7279303	TwoSample_MR	M_HDL_CE	MDD
Weighted mode	112	0.0126273	0.0194481	0.5174958	TwoSample_MR	M_HDL_CE	MDD
MR Egger	117	-0.0136864	0.0216825	0.5291492	TwoSample_MR	M_HDL_CE_pct	MDD
Weighted median	117	0.0003032	0.0162096	0.9850779	TwoSample_MR	M_HDL_CE_pct	MDD
Inverse variance weighted	117	-0.011638	0.0136917	0.3953248	TwoSample_MR	M_HDL_CE_pct	MDD
Simple mode	117	-0.0110793	0.029334	0.7063488	TwoSample_MR	M_HDL_CE_pct	MDD
Weighted mode	117	-0.0110793	0.0147552	0.4542517	TwoSample_MR	M_HDL_CE_pct	MDD
MR Egger	104	0.0005469	0.0271863	0.9839885	TwoSample_MR	M_HDL_C	MDD
Weighted median	104	0.0149782	0.0186233	0.421241	TwoSample_MR	M_HDL_C	MDD
Inverse variance weighted	104	0.0227144	0.0159981	0.1556622	TwoSample_MR	M_HDL_C	MDD
Simple mode	104	-0.0101278	0.0323375	0.7547705	TwoSample_MR	M_HDL_C	MDD
Weighted mode	104	0.0124592	0.0201959	0.5386509	TwoSample_MR	M_HDL_C	MDD
MR Egger	116	-0.0133333	0.0201345	0.5091722	TwoSample_MR	M_HDL_C_pct	MDD
Weighted median	116	-0.0283735	0.0180541	0.1160484	TwoSample_MR	M_HDL_C_pct	MDD
Inverse variance weighted	116	-0.0122743	0.0124935	0.3258776	TwoSample_MR	M_HDL_C_pct	MDD
Simple mode	116	-0.027548	0.0323329	0.3959789	TwoSample_MR	M_HDL_C_pct	MDD
Weighted mode	116	-0.0175472	0.0164994	0.2897815	TwoSample_MR	M_HDL_C_pct	MDD
MR Egger	97	0.0051733	0.027971	0.8536612	TwoSample_MR	M_HDL_FC	MDD
Weighted median	97	0.0049625	0.0186573	0.7902516	TwoSample_MR	M_HDL_FC	MDD
Inverse variance weighted	97	0.0131797	0.0163971	0.4215219	TwoSample_MR	M_HDL_FC	MDD
Simple mode	97	-0.0064359	0.0318661	0.8403696	TwoSample_MR	M_HDL_FC	MDD
Weighted mode	97	0.0062744	0.0181311	0.7300593	TwoSample_MR	M_HDL_FC	MDD
MR Egger	112	-0.0287081	0.0207522	0.1693523	TwoSample_MR	M_HDL_FC_pct	MDD
Weighted median	112	-0.0204349	0.0174733	0.2422041	TwoSample_MR	M_HDL_FC_pct	MDD
Inverse variance weighted	112	-0.0236948	0.0135043	0.0793256	TwoSample_MR	M_HDL_FC_pct	MDD
Simple mode	112	-0.030728	0.0341465	0.370128	TwoSample_MR	M_HDL_FC_pct	MDD
Weighted mode	112	-0.0208036	0.0165156	0.2104455	TwoSample_MR	M_HDL_FC_pct	MDD
MR Egger	122	0.0066767	0.0251029	0.7907158	TwoSample_MR	M_HDL_PL_pct	MDD
Weighted median	122	0.0156366	0.0182032	0.3903404	TwoSample_MR	M_HDL_PL_pct	MDD
Inverse variance weighted	122	0.0100798	0.0147312	0.4938208	TwoSample_MR	M_HDL_PL_pct	MDD
Simple mode	122	0.0353852	0.0390502	0.3666601	TwoSample_MR	M_HDL_PL_pct	MDD

Weighted mode	122	0.0165637	0.0208803	0.4291721	TwoSample_MR	M_HDL_PL_pct	MDD
MR Egger	97	-0.0064347	0.027084	0.8127166	TwoSample_MR	M_HDL_P	MDD
Weighted median	97	0.0144595	0.0191758	0.450819	TwoSample_MR	M_HDL_P	MDD
Inverse variance weighted	97	0.0175448	0.0162292	0.2796699	TwoSample_MR	M_HDL_P	MDD
Simple mode	97	-0.0085273	0.032427	0.7931391	TwoSample_MR	M_HDL_P	MDD
Weighted mode	97	-0.0000955	0.0182919	0.9958458	TwoSample_MR	M_HDL_P	MDD
MR Egger	86	0.0061576	0.0176435	0.7279636	TwoSample_MR	M_HDL_TG	MDD
Weighted median	86	0.0130515	0.0153422	0.3949394	TwoSample_MR	M_HDL_TG	MDD
Inverse variance weighted	86	0.0225557	0.011854	0.0570679	TwoSample_MR	M_HDL_TG	MDD
Simple mode	86	-0.0079949	0.0242662	0.7426152	TwoSample_MR	M_HDL_TG	MDD
Weighted mode	86	0.005443	0.013844	0.6951789	TwoSample_MR	M_HDL_TG	MDD
MR Egger	121	0.0204972	0.019479	0.2948059	TwoSample_MR	M_HDL_TG_pct	MDD
Weighted median	121	0.0183143	0.0153221	0.231976	TwoSample_MR	M_HDL_TG_pct	MDD
Inverse variance weighted	121	0.0130648	0.0128215	0.3082119	TwoSample_MR	M_HDL_TG_pct	MDD
Simple mode	121	0.0134439	0.0260031	0.6061	TwoSample_MR	M_HDL_TG_pct	MDD
Weighted mode	121	0.0134439	0.0131914	0.3101865	TwoSample_MR	M_HDL_TG_pct	MDD
MR Egger	102	0.003271	0.0212068	0.877729	TwoSample_MR	M_LDL_TG	MDD
Weighted median	102	-0.0023547	0.0165723	0.8870128	TwoSample_MR	M_LDL_TG	MDD
Inverse variance weighted	102	0.0065387	0.0131263	0.618389	TwoSample_MR	M_LDL_TG	MDD
Simple mode	102	-0.0000128	0.0294818	0.9996557	TwoSample_MR	M_LDL_TG	MDD
Weighted mode	102	0.0027142	0.0148597	0.855437	TwoSample_MR	M_LDL_TG	MDD
MR Egger	86	0.0140016	0.01442	0.3343418	TwoSample_MR	M_LDL_TG_pct	MDD
Weighted median	86	0.0088877	0.0147792	0.5475968	TwoSample_MR	M_LDL_TG_pct	MDD
Inverse variance weighted	86	0.0240219	0.0102961	0.0196432	TwoSample_MR	M_LDL_TG_pct	MDD
Simple mode	86	0.0178222	0.0297305	0.550462	TwoSample_MR	M_LDL_TG_pct	MDD
Weighted mode	86	0.0056889	0.0125045	0.6503083	TwoSample_MR	M_LDL_TG_pct	MDD
MR Egger	90	0.0137373	0.0237401	0.5643008	TwoSample_MR	MUFA	MDD
Weighted median	90	0.0279333	0.0180549	0.1218308	TwoSample_MR	MUFA	MDD
Inverse variance weighted	90	0.0372712	0.0144973	0.0101435	TwoSample_MR	MUFA	MDD
Simple mode	90	0.0111691	0.0330136	0.73592	TwoSample_MR	MUFA	MDD
Weighted mode	90	0.0199088	0.0180542	0.2731193	TwoSample_MR	MUFA	MDD
MR Egger	98	0.0386852	0.0206977	0.0646637	TwoSample_MR	MUFA_pct	MDD
Weighted median	98	0.0434932	0.0180042	0.0157037	TwoSample_MR	MUFA_pct	MDD
Inverse variance weighted	98	0.0442173	0.0134159	0.0009811	TwoSample_MR	MUFA_pct	MDD
Simple mode	98	0.0282811	0.0314183	0.3702699	TwoSample_MR	MUFA_pct	MDD
Weighted mode	98	0.047032	0.0164023	0.005077	TwoSample_MR	MUFA_pct	MDD
MR Egger	104	-0.0292549	0.017953	0.1062861	TwoSample_MR	M_VLDL_CE_pct	MDD
Weighted median	104	-0.02193	0.0155824	0.15932	TwoSample_MR	M_VLDL_CE_pct	MDD
Inverse variance weighted	104	-0.0465791	0.0121939	0.0001335	TwoSample_MR	M_VLDL_CE_pct	MDD
Simple mode	104	-0.0206317	0.0339374	0.5445703	TwoSample_MR	M_VLDL_CE_pct	MDD
Weighted mode	104	-0.0234393	0.0142048	0.1019691	TwoSample_MR	M_VLDL_CE_pct	MDD
MR Egger	103	-0.0353829	0.0184936	0.0585471	TwoSample_MR	M_VLDL_C_pct	MDD
Weighted median	103	-0.0269461	0.0164143	0.1006687	TwoSample_MR	M_VLDL_C_pct	MDD
Inverse variance weighted	103	-0.0494348	0.0124874	0.0000753	TwoSample_MR	M_VLDL_C_pct	MDD
Simple mode	103	-0.0281186	0.0277938	0.3140818	TwoSample_MR	M_VLDL_C_pct	MDD
Weighted mode	103	-0.0281186	0.0158788	0.0795765	TwoSample_MR	M_VLDL_C_pct	MDD
MR Egger	89	-0.0363956	0.0203558	0.0772619	TwoSample_MR	M_VLDL_FC_pct	MDD
Weighted median	89	-0.0328346	0.0173945	0.0590734	TwoSample_MR	M_VLDL_FC_pct	MDD
Inverse variance weighted	89	-0.0525923	0.0135054	0.0000985	TwoSample_MR	M_VLDL_FC_pct	MDD
Simple mode	89	-0.0225333	0.0259813	0.3881426	TwoSample_MR	M_VLDL_FC_pct	MDD
Weighted mode	89	-0.0288734	0.0148846	0.0556052	TwoSample_MR	M_VLDL_FC_pct	MDD
MR Egger	83	0.0096575	0.0223781	0.6672078	TwoSample_MR	M_VLDL_L	MDD
Weighted median	83	-0.0004089	0.0182264	0.9821028	TwoSample_MR	M_VLDL_L	MDD
Inverse variance weighted	83	0.0000181	0.0134439	0.9989281	TwoSample_MR	M_VLDL_L	MDD
Simple mode	83	-0.000328	0.0311319	0.9916204	TwoSample_MR	M_VLDL_L	MDD
Weighted mode	83	-0.0031127	0.0200262	0.8768634	TwoSample_MR	M_VLDL_L	MDD
MR Egger	96	0.0139845	0.0210721	0.5085402	TwoSample_MR	M_VLDL_TG	MDD
Weighted median	96	0.0245449	0.0178199	0.1683925	TwoSample_MR	M_VLDL_TG	MDD
Inverse variance weighted	96	0.016826	0.0133384	0.2071377	TwoSample_MR	M_VLDL_TG	MDD
Simple mode	96	0.00256	0.0299213	0.9319971	TwoSample_MR	M_VLDL_TG	MDD
Weighted mode	96	0.0219053	0.0155948	0.1633864	TwoSample_MR	M_VLDL_TG	MDD
MR Egger	99	0.0274891	0.0187458	0.1457689	TwoSample_MR	M_VLDL_TG_pct	MDD

Weighted median	99	0.0280126	0.0167095	0.0936497	TwoSample_MR	M_VLDL_TG_pct	MDD
Inverse variance weighted	99	0.0558883	0.0128663	0.000014	TwoSample_MR	M_VLDL_TG_pct	MDD
Simple mode	99	0.0220595	0.0288361	0.4461117	TwoSample_MR	M_VLDL_TG_pct	MDD
Weighted mode	99	0.0284612	0.0150733	0.0619591	TwoSample_MR	M_VLDL_TG_pct	MDD
MR Egger	82	-0.0319599	0.0245779	0.1972152	TwoSample_MR	Omega_6_pct	MDD
Weighted median	82	-0.0352077	0.0201465	0.0805364	TwoSample_MR	Omega_6_pct	MDD
Inverse variance weighted	82	-0.024641	0.0148291	0.0965796	TwoSample_MR	Omega_6_pct	MDD
Simple mode	82	-0.0231237	0.0342334	0.5012999	TwoSample_MR	Omega_6_pct	MDD
Weighted mode	82	-0.0314019	0.020396	0.1275528	TwoSample_MR	Omega_6_pct	MDD
MR Egger	89	-0.0382504	0.0234197	0.1060285	TwoSample_MR	PUFA_by_MUFA	MDD
Weighted median	89	-0.0417372	0.0183828	0.02318	TwoSample_MR	PUFA_by_MUFA	MDD
Inverse variance weighted	89	-0.0474931	0.0149248	0.0014618	TwoSample_MR	PUFA_by_MUFA	MDD
Simple mode	89	-0.0220535	0.0289842	0.4487621	TwoSample_MR	PUFA_by_MUFA	MDD
Weighted mode	89	-0.0523097	0.0169321	0.0026845	TwoSample_MR	PUFA_by_MUFA	MDD
MR Egger	72	-0.050375	0.0301444	0.0991626	TwoSample_MR	PUFA_pct	MDD
Weighted median	72	-0.0486055	0.0222414	0.0288627	TwoSample_MR	PUFA_pct	MDD
Inverse variance weighted	72	-0.0572537	0.0176194	0.0011562	TwoSample_MR	PUFA_pct	MDD
Simple mode	72	-0.0158541	0.0388347	0.6843229	TwoSample_MR	PUFA_pct	MDD
Weighted mode	72	-0.0562293	0.0228009	0.0160764	TwoSample_MR	PUFA_pct	MDD
MR Egger	34	-0.0149478	0.0407908	0.7164413	TwoSample_MR	Pyruvate	MDD
Weighted median	34	0.0148562	0.0327883	0.6504803	TwoSample_MR	Pyruvate	MDD
Inverse variance weighted	34	0.0022197	0.0216931	0.9184997	TwoSample_MR	Pyruvate	MDD
Simple mode	34	0.0411894	0.0625865	0.515027	TwoSample_MR	Pyruvate	MDD
Weighted mode	34	0.0256781	0.0357439	0.4775721	TwoSample_MR	Pyruvate	MDD
MR Egger	83	-0.011988	0.0150033	0.4266141	TwoSample_MR	S_HDL_C_pct	MDD
Weighted median	83	-0.0104092	0.0165662	0.5297838	TwoSample_MR	S_HDL_C_pct	MDD
Inverse variance weighted	83	-0.0193174	0.0104158	0.0636513	TwoSample_MR	S_HDL_C_pct	MDD
Simple mode	83	-0.0071713	0.0282667	0.8003613	TwoSample_MR	S_HDL_C_pct	MDD
Weighted mode	83	-0.0071713	0.0138072	0.604888	TwoSample_MR	S_HDL_C_pct	MDD
MR Egger	86	-0.0224947	0.015803	0.1583109	TwoSample_MR	S_HDL_FC_pct	MDD
Weighted median	86	-0.0071355	0.0147474	0.628496	TwoSample_MR	S_HDL_FC_pct	MDD
Inverse variance weighted	86	-0.0291485	0.0111263	0.0087987	TwoSample_MR	S_HDL_FC_pct	MDD
Simple mode	86	-0.0167821	0.0268894	0.5342242	TwoSample_MR	S_HDL_FC_pct	MDD
Weighted mode	86	-0.0095608	0.0136382	0.4852001	TwoSample_MR	S_HDL_FC_pct	MDD
MR Egger	118	0.0267287	0.0193284	0.169359	TwoSample_MR	S_HDL_TG	MDD
Weighted median	118	0.0257178	0.0160743	0.1096149	TwoSample_MR	S_HDL_TG	MDD
Inverse variance weighted	118	0.0179925	0.012393	0.1465508	TwoSample_MR	S_HDL_TG	MDD
Simple mode	118	0.0116566	0.0282686	0.6808371	TwoSample_MR	S_HDL_TG	MDD
Weighted mode	118	0.0214114	0.0138817	0.1256727	TwoSample_MR	S_HDL_TG	MDD
MR Egger	122	0.0215027	0.0187815	0.2545326	TwoSample_MR	S_HDL_TG_pct	MDD
Weighted median	122	0.0226386	0.0153204	0.1394957	TwoSample_MR	S_HDL_TG_pct	MDD
Inverse variance weighted	122	0.0150337	0.0121121	0.2145255	TwoSample_MR	S_HDL_TG_pct	MDD
Simple mode	122	0.0122534	0.0262848	0.6419257	TwoSample_MR	S_HDL_TG_pct	MDD
Weighted mode	122	0.0155456	0.0136719	0.2577643	TwoSample_MR	S_HDL_TG_pct	MDD
MR Egger	67	-0.0289549	0.0220565	0.1938807	TwoSample_MR	S_LDL_PL_pct	MDD
Weighted median	67	-0.019506	0.0178307	0.2739739	TwoSample_MR	S_LDL_PL_pct	MDD
Inverse variance weighted	67	-0.0239504	0.0144362	0.0971051	TwoSample_MR	S_LDL_PL_pct	MDD
Simple mode	67	-0.015712	0.0326951	0.6324178	TwoSample_MR	S_LDL_PL_pct	MDD
Weighted mode	67	-0.015712	0.0154375	0.3124985	TwoSample_MR	S_LDL_PL_pct	MDD
MR Egger	106	0.0080347	0.0202459	0.6922888	TwoSample_MR	S_LDL_TG	MDD
Weighted median	106	0.0158125	0.0161041	0.3261543	TwoSample_MR	S_LDL_TG	MDD
Inverse variance weighted	106	0.0126737	0.0128369	0.3235039	TwoSample_MR	S_LDL_TG	MDD
Simple mode	106	0.0082239	0.0273829	0.76452	TwoSample_MR	S_LDL_TG	MDD
Weighted mode	106	0.0110907	0.0143287	0.4406578	TwoSample_MR	S_LDL_TG	MDD
MR Egger	105	0.0190286	0.0167899	0.259704	TwoSample_MR	S_LDL_TG_pct	MDD
Weighted median	105	0.0212991	0.0141736	0.132909	TwoSample_MR	S_LDL_TG_pct	MDD
Inverse variance weighted	105	0.0325052	0.0119005	0.0063064	TwoSample_MR	S_LDL_TG_pct	MDD
Simple mode	105	0.0059349	0.0270952	0.8270488	TwoSample_MR	S_LDL_TG_pct	MDD
Weighted mode	105	0.0187737	0.0130651	0.15374	TwoSample_MR	S_LDL_TG_pct	MDD
MR Egger	82	-0.0355609	0.0164624	0.0337557	TwoSample_MR	S_VLDL_C_pct	MDD
Weighted median	82	-0.0243364	0.0162838	0.1350412	TwoSample_MR	S_VLDL_C_pct	MDD
Inverse variance weighted	82	-0.0346982	0.0112834	0.0021039	TwoSample_MR	S_VLDL_C_pct	MDD

Simple mode	82	-0.0220758	0.0278215	0.4298163	TwoSample_MR	S_VLDL_C_pct	MDD
Weighted mode	82	-0.0243177	0.0153877	0.1179286	TwoSample_MR	S_VLDL_C_pct	MDD
MR Egger	93	-0.0323258	0.0177739	0.0722429	TwoSample_MR	S_VLDL_FC_pct	MDD
Weighted median	93	-0.0229728	0.0162979	0.1586692	TwoSample_MR	S_VLDL_FC_pct	MDD
Inverse variance weighted	93	-0.0403614	0.0123859	0.0011193	TwoSample_MR	S_VLDL_FC_pct	MDD
Simple mode	93	-0.0092248	0.030022	0.7593325	TwoSample_MR	S_VLDL_FC_pct	MDD
Weighted mode	93	-0.0233141	0.0143235	0.107012	TwoSample_MR	S_VLDL_FC_pct	MDD
MR Egger	95	0.004342	0.0242828	0.858477	TwoSample_MR	S_VLDL_L	MDD
Weighted median	95	0.0118603	0.0164243	0.4702212	TwoSample_MR	S_VLDL_L	MDD
Inverse variance weighted	95	-0.0049254	0.0138356	0.7218425	TwoSample_MR	S_VLDL_L	MDD
Simple mode	95	0.0019504	0.0270469	0.9426661	TwoSample_MR	S_VLDL_L	MDD
Weighted mode	95	0.0019504	0.0156645	0.9011763	TwoSample_MR	S_VLDL_L	MDD
MR Egger	97	-0.0347647	0.0169291	0.0427675	TwoSample_MR	S_VLDL_PL_pct	MDD
Weighted median	97	-0.0221606	0.0155577	0.1543272	TwoSample_MR	S_VLDL_PL_pct	MDD
Inverse variance weighted	97	-0.0377122	0.0118804	0.0015018	TwoSample_MR	S_VLDL_PL_pct	MDD
Simple mode	97	-0.034759	0.0299416	0.2485642	TwoSample_MR	S_VLDL_PL_pct	MDD
Weighted mode	97	-0.0231759	0.0143194	0.1088374	TwoSample_MR	S_VLDL_PL_pct	MDD
MR Egger	100	0.0064214	0.0221198	0.7721979	TwoSample_MR	S_VLDL_P	MDD
Weighted median	100	0.0115647	0.0172118	0.5016454	TwoSample_MR	S_VLDL_P	MDD
Inverse variance weighted	100	-0.0052812	0.0128628	0.6813797	TwoSample_MR	S_VLDL_P	MDD
Simple mode	100	-0.0000177	0.0276454	0.9994895	TwoSample_MR	S_VLDL_P	MDD
Weighted mode	100	0.0060504	0.0160523	0.7070416	TwoSample_MR	S_VLDL_P	MDD
MR Egger	108	0.0107474	0.018164	0.5553197	TwoSample_MR	S_VLDL_TG	MDD
Weighted median	108	0.0233708	0.0165843	0.1587739	TwoSample_MR	S_VLDL_TG	MDD
Inverse variance weighted	108	0.0226772	0.011752	0.0536499	TwoSample_MR	S_VLDL_TG	MDD
Simple mode	108	0.014005	0.0280592	0.6187164	TwoSample_MR	S_VLDL_TG	MDD
Weighted mode	108	0.0192441	0.0147509	0.1948261	TwoSample_MR	S_VLDL_TG	MDD
MR Egger	94	0.0316379	0.0153259	0.0417998	TwoSample_MR	S_VLDL_TG_pct	MDD
Weighted median	94	0.0233712	0.0159763	0.1435029	TwoSample_MR	S_VLDL_TG_pct	MDD
Inverse variance weighted	94	0.0348882	0.0106754	0.0010828	TwoSample_MR	S_VLDL_TG_pct	MDD
Simple mode	94	0.0164613	0.0305565	0.5913696	TwoSample_MR	S_VLDL_TG_pct	MDD
Weighted mode	94	0.0237257	0.014532	0.105923	TwoSample_MR	S_VLDL_TG_pct	MDD
MR Egger	83	-0.0472279	0.0212265	0.0288656	TwoSample_MR	Sphingomyelins	MDD
Weighted median	83	-0.0141809	0.0196336	0.4701237	TwoSample_MR	Sphingomyelins	MDD
Inverse variance weighted	83	-0.02255	0.0139601	0.1062431	TwoSample_MR	Sphingomyelins	MDD
Simple mode	83	-0.0139508	0.0367298	0.7050598	TwoSample_MR	Sphingomyelins	MDD
Weighted mode	83	-0.0166067	0.0173182	0.3404212	TwoSample_MR	Sphingomyelins	MDD
MR Egger	125	0.0149048	0.0209578	0.4783167	TwoSample_MR	TG_by_PG	MDD
Weighted median	125	0.0271254	0.0165631	0.1014828	TwoSample_MR	TG_by_PG	MDD
Inverse variance weighted	125	0.0225461	0.0133453	0.0911344	TwoSample_MR	TG_by_PG	MDD
Simple mode	125	0.0240462	0.0294958	0.416497	TwoSample_MR	TG_by_PG	MDD
Weighted mode	125	0.0240462	0.016356	0.1440466	TwoSample_MR	TG_by_PG	MDD
MR Egger	77	-0.0374434	0.0231229	0.1095767	TwoSample_MR	Total_CE	MDD
Weighted median	77	-0.0168026	0.0194826	0.3884456	TwoSample_MR	Total_CE	MDD
Inverse variance weighted	77	-0.0143856	0.015189	0.3435862	TwoSample_MR	Total_CE	MDD
Simple mode	77	-0.0165898	0.0361859	0.6479302	TwoSample_MR	Total_CE	MDD
Weighted mode	77	-0.0165898	0.0177059	0.3517459	TwoSample_MR	Total_CE	MDD
MR Egger	85	0.0224403	0.0319779	0.4848025	TwoSample_MR	Total_P	MDD
Weighted median	85	0.0119775	0.0231666	0.6051446	TwoSample_MR	Total_P	MDD
Inverse variance weighted	85	0.0200544	0.017438	0.2501265	TwoSample_MR	Total_P	MDD
Simple mode	85	-0.0054625	0.0395833	0.8905703	TwoSample_MR	Total_P	MDD
Weighted mode	85	0.0043885	0.0227165	0.8472792	TwoSample_MR	Total_P	MDD
MR Egger	105	0.0011506	0.0200552	0.9543597	TwoSample_MR	Total_TG	MDD
Weighted median	105	0.0248485	0.0177665	0.1619287	TwoSample_MR	Total_TG	MDD
Inverse variance weighted	105	0.0221601	0.0129814	0.0878108	TwoSample_MR	Total_TG	MDD
Simple mode	105	0.0027735	0.0301512	0.9268847	TwoSample_MR	Total_TG	MDD
Weighted mode	105	0.0188574	0.0156677	0.2314842	TwoSample_MR	Total_TG	MDD
MR Egger	70	-0.062081	0.0173227	0.0006319	TwoSample_MR	Unsaturation	MDD
Weighted median	70	-0.0455214	0.0146321	0.0018641	TwoSample_MR	Unsaturation	MDD
Inverse variance weighted	70	-0.0413277	0.0131343	0.0016521	TwoSample_MR	Unsaturation	MDD
Simple mode	70	-0.0745106	0.0382092	0.0552321	TwoSample_MR	Unsaturation	MDD
Weighted mode	70	-0.0505906	0.0133715	0.0003259	TwoSample_MR	Unsaturation	MDD

MR Egger	86	0.0109256	0.02622	0.6779688	TwoSample_MR	VLDL_FC	MDD
Weighted median	86	0.0037609	0.017913	0.8337052	TwoSample_MR	VLDL_FC	MDD
Inverse variance weighted	86	-0.0095826	0.0148097	0.5175994	TwoSample_MR	VLDL_FC	MDD
Simple mode	86	-0.0009255	0.0349221	0.9789192	TwoSample_MR	VLDL_FC	MDD
Weighted mode	86	0.0080622	0.0198818	0.6861223	TwoSample_MR	VLDL_FC	MDD
MR Egger	88	0.0148878	0.0210775	0.4818887	TwoSample_MR	VLDL_L	MDD
Weighted median	88	0.0154725	0.0183709	0.3996594	TwoSample_MR	VLDL_L	MDD
Inverse variance weighted	88	0.0031596	0.0130854	0.8091975	TwoSample_MR	VLDL_L	MDD
Simple mode	88	0.0018194	0.0345637	0.9581403	TwoSample_MR	VLDL_L	MDD
Weighted mode	88	0.0168775	0.0181776	0.3557285	TwoSample_MR	VLDL_L	MDD
MR Egger	88	0.0109842	0.0235726	0.6424112	TwoSample_MR	VLDL_PL	MDD
Weighted median	88	0.0154309	0.0185464	0.4053985	TwoSample_MR	VLDL_PL	MDD
Inverse variance weighted	88	-0.0047051	0.0136794	0.7308777	TwoSample_MR	VLDL_PL	MDD
Simple mode	88	0.0032921	0.0328589	0.920424	TwoSample_MR	VLDL_PL	MDD
Weighted mode	88	0.0124512	0.0188823	0.5113739	TwoSample_MR	VLDL_PL	MDD
MR Egger	104	0.0036897	0.0196477	0.8514134	TwoSample_MR	VLDL_TG	MDD
Weighted median	104	0.0245402	0.0169368	0.1473566	TwoSample_MR	VLDL_TG	MDD
Inverse variance weighted	104	0.0212492	0.0128779	0.0989311	TwoSample_MR	VLDL_TG	MDD
Simple mode	104	-0.0019564	0.0319509	0.9512942	TwoSample_MR	VLDL_TG	MDD
Weighted mode	104	0.0173703	0.0160012	0.2802058	TwoSample_MR	VLDL_TG	MDD
MR Egger	112	0.0233491	0.0200274	0.2461948	TwoSample_MR	VLDL_size	MDD
Weighted median	112	0.0269206	0.0157131	0.0866644	TwoSample_MR	VLDL_size	MDD
Inverse variance weighted	112	0.0285317	0.0128963	0.0269391	TwoSample_MR	VLDL_size	MDD
Simple mode	112	0.0350074	0.0282274	0.2175197	TwoSample_MR	VLDL_size	MDD
Weighted mode	112	0.0229642	0.0140509	0.1050162	TwoSample_MR	VLDL_size	MDD
MR Egger	125	-0.0258219	0.0177102	0.1473811	TwoSample_MR	XL_HDL_CE	MDD
Weighted median	125	-0.0224752	0.0163214	0.1685008	TwoSample_MR	XL_HDL_CE	MDD
Inverse variance weighted	125	-0.0214417	0.0116975	0.0667997	TwoSample_MR	XL_HDL_CE	MDD
Simple mode	125	-0.0096126	0.0324045	0.7672352	TwoSample_MR	XL_HDL_CE	MDD
Weighted mode	125	-0.0129378	0.0138208	0.3510387	TwoSample_MR	XL_HDL_CE	MDD
MR Egger	123	-0.0216267	0.0186156	0.2476244	TwoSample_MR	XL_HDL_C	MDD
Weighted median	123	-0.0212845	0.0158075	0.1781467	TwoSample_MR	XL_HDL_C	MDD
Inverse variance weighted	123	-0.0250782	0.0123511	0.0423108	TwoSample_MR	XL_HDL_C	MDD
Simple mode	123	-0.0010005	0.0344986	0.9769118	TwoSample_MR	XL_HDL_C	MDD
Weighted mode	123	-0.0150033	0.0138207	0.279812	TwoSample_MR	XL_HDL_C	MDD
MR Egger	108	-0.0372449	0.0176394	0.037083	TwoSample_MR	XL_HDL_FC	MDD
Weighted median	108	-0.0199503	0.014842	0.1788904	TwoSample_MR	XL_HDL_FC	MDD
Inverse variance weighted	108	-0.0270991	0.0119252	0.0230602	TwoSample_MR	XL_HDL_FC	MDD
Simple mode	108	-0.0141622	0.0318431	0.6573988	TwoSample_MR	XL_HDL_FC	MDD
Weighted mode	108	-0.0174225	0.0132744	0.1921639	TwoSample_MR	XL_HDL_FC	MDD
MR Egger	124	0.0174196	0.0200997	0.3878297	TwoSample_MR	XL_HDL_FC_pct	MDD
Weighted median	124	0.0106759	0.0176023	0.5441771	TwoSample_MR	XL_HDL_FC_pct	MDD
Inverse variance weighted	124	0.0015434	0.0135594	0.9093749	TwoSample_MR	XL_HDL_FC_pct	MDD
Simple mode	124	0.0083835	0.034675	0.8093589	TwoSample_MR	XL_HDL_FC_pct	MDD
Weighted mode	124	0.0083835	0.0127687	0.5126893	TwoSample_MR	XL_HDL_FC_pct	MDD
MR Egger	112	-0.0313695	0.0191386	0.1040554	TwoSample_MR	XL_HDL_L	MDD
Weighted median	112	-0.0090027	0.0163792	0.5825655	TwoSample_MR	XL_HDL_L	MDD
Inverse variance weighted	112	-0.0183178	0.0128211	0.1530842	TwoSample_MR	XL_HDL_L	MDD
Simple mode	112	-0.0041255	0.0336555	0.9026606	TwoSample_MR	XL_HDL_L	MDD
Weighted mode	112	-0.0079629	0.0143154	0.579163	TwoSample_MR	XL_HDL_L	MDD
MR Egger	115	-0.0274974	0.0196746	0.1649688	TwoSample_MR	XL_HDL_PL	MDD
Weighted median	115	-0.0078928	0.0160883	0.623713	TwoSample_MR	XL_HDL_PL	MDD
Inverse variance weighted	115	-0.0165251	0.0131536	0.209	TwoSample_MR	XL_HDL_PL	MDD
Simple mode	115	-0.0139491	0.0334528	0.6774791	TwoSample_MR	XL_HDL_PL	MDD
Weighted mode	115	-0.0100441	0.0137357	0.4661309	TwoSample_MR	XL_HDL_PL	MDD
MR Egger	104	-0.0261341	0.018954	0.1709666	TwoSample_MR	XL_HDL_P	MDD
Weighted median	104	-0.0078447	0.0153219	0.6086566	TwoSample_MR	XL_HDL_P	MDD
Inverse variance weighted	104	-0.0135984	0.012902	0.2918921	TwoSample_MR	XL_HDL_P	MDD
Simple mode	104	0.0010275	0.0321419	0.9745591	TwoSample_MR	XL_HDL_P	MDD
Weighted mode	104	-0.0054466	0.0129385	0.674662	TwoSample_MR	XL_HDL_P	MDD
MR Egger	120	0.0272115	0.0195647	0.1668888	TwoSample_MR	XL_HDL_TG_pct	MDD
Weighted median	120	0.0263635	0.01535	0.0858898	TwoSample_MR	XL_HDL_TG_pct	MDD

Inverse variance weighted	120	0.0294454	0.0126257	0.0196916	TwoSample_MR	XL_HDL_TG_pct	MDD
Simple mode	120	0.0190348	0.0273797	0.4882744	TwoSample_MR	XL_HDL_TG_pct	MDD
Weighted mode	120	0.0256673	0.0137789	0.0649571	TwoSample_MR	XL_HDL_TG_pct	MDD
MR Egger	89	0.0182226	0.0249495	0.4671201	TwoSample_MR	XL_VLDL_CE	MDD
Weighted median	89	0.0179159	0.0180506	0.3209356	TwoSample_MR	XL_VLDL_CE	MDD
Inverse variance weighted	89	0.0021999	0.0145999	0.8802285	TwoSample_MR	XL_VLDL_CE	MDD
Simple mode	89	0.0187992	0.030926	0.5448353	TwoSample_MR	XL_VLDL_CE	MDD
Weighted mode	89	0.0123278	0.0178699	0.4920951	TwoSample_MR	XL_VLDL_CE	MDD
MR Egger	104	-0.0268953	0.0227304	0.2394691	TwoSample_MR	XL_VLDL_CE_pct	MDD
Weighted median	104	-0.0224657	0.0174898	0.1989667	TwoSample_MR	XL_VLDL_CE_pct	MDD
Inverse variance weighted	104	-0.0520808	0.0150888	0.0005572	TwoSample_MR	XL_VLDL_CE_pct	MDD
Simple mode	104	-0.0223298	0.0317615	0.4836138	TwoSample_MR	XL_VLDL_CE_pct	MDD
Weighted mode	104	-0.0223298	0.0160226	0.166426	TwoSample_MR	XL_VLDL_CE_pct	MDD
MR Egger	86	0.0162039	0.0222618	0.4687111	TwoSample_MR	XL_VLDL_C	MDD
Weighted median	86	0.0147959	0.0178966	0.408381	TwoSample_MR	XL_VLDL_C	MDD
Inverse variance weighted	86	0.0052224	0.0136658	0.7023494	TwoSample_MR	XL_VLDL_C	MDD
Simple mode	86	-0.0001254	0.0317951	0.9968624	TwoSample_MR	XL_VLDL_C	MDD
Weighted mode	86	0.014207	0.0175095	0.4194111	TwoSample_MR	XL_VLDL_C	MDD
MR Egger	104	-0.0352693	0.0226163	0.1219843	TwoSample_MR	XL_VLDL_C_pct	MDD
Weighted median	104	-0.0230675	0.0182748	0.2068548	TwoSample_MR	XL_VLDL_C_pct	MDD
Inverse variance weighted	104	-0.0509857	0.0144565	0.0004205	TwoSample_MR	XL_VLDL_C_pct	MDD
Simple mode	104	-0.0016744	0.0314194	0.9576036	TwoSample_MR	XL_VLDL_C_pct	MDD
Weighted mode	104	-0.0249079	0.0159768	0.1220612	TwoSample_MR	XL_VLDL_C_pct	MDD
MR Egger	92	0.0151564	0.0205688	0.4631227	TwoSample_MR	XL_VLDL_FC	MDD
Weighted median	92	0.0177663	0.0178464	0.3194875	TwoSample_MR	XL_VLDL_FC	MDD
Inverse variance weighted	92	0.0060255	0.0130799	0.6450369	TwoSample_MR	XL_VLDL_FC	MDD
Simple mode	92	0.0035345	0.0293889	0.904538	TwoSample_MR	XL_VLDL_FC	MDD
Weighted mode	92	0.0167799	0.0170081	0.3264645	TwoSample_MR	XL_VLDL_FC	MDD
MR Egger	84	-0.0515638	0.0249063	0.0415697	TwoSample_MR	XL_VLDL_FC_pct	MDD
Weighted median	84	-0.0424769	0.0188883	0.0245221	TwoSample_MR	XL_VLDL_FC_pct	MDD
Inverse variance weighted	84	-0.0641181	0.014209	0.0000064	TwoSample_MR	XL_VLDL_FC_pct	MDD
Simple mode	84	-0.0150902	0.0337268	0.6557333	TwoSample_MR	XL_VLDL_FC_pct	MDD
Weighted mode	84	-0.0363472	0.0203285	0.0774278	TwoSample_MR	XL_VLDL_FC_pct	MDD
MR Egger	109	0.0203471	0.019998	0.3112321	TwoSample_MR	XL_VLDL_L	MDD
Weighted median	109	0.0256466	0.0174947	0.1426569	TwoSample_MR	XL_VLDL_L	MDD
Inverse variance weighted	109	0.0148945	0.0127523	0.2428133	TwoSample_MR	XL_VLDL_L	MDD
Simple mode	109	0.0107158	0.0304498	0.7255878	TwoSample_MR	XL_VLDL_L	MDD
Weighted mode	109	0.0217228	0.0166669	0.1952275	TwoSample_MR	XL_VLDL_L	MDD
MR Egger	97	0.0211908	0.0205129	0.3042055	TwoSample_MR	XL_VLDL_PL	MDD
Weighted median	97	0.0201169	0.0164257	0.2206798	TwoSample_MR	XL_VLDL_PL	MDD
Inverse variance weighted	97	0.0073677	0.012999	0.5708576	TwoSample_MR	XL_VLDL_PL	MDD
Simple mode	97	0.0077157	0.0301372	0.7984829	TwoSample_MR	XL_VLDL_PL	MDD
Weighted mode	97	0.0155985	0.0159792	0.3314323	TwoSample_MR	XL_VLDL_PL	MDD
MR Egger	107	0.0155397	0.0206083	0.4525086	TwoSample_MR	XL_VLDL_P	MDD
Weighted median	107	0.0261396	0.0173263	0.1313843	TwoSample_MR	XL_VLDL_P	MDD
Inverse variance weighted	107	0.016159	0.0130834	0.2168019	TwoSample_MR	XL_VLDL_P	MDD
Simple mode	107	0.0118532	0.029975	0.6933153	TwoSample_MR	XL_VLDL_P	MDD
Weighted mode	107	0.020091	0.0158611	0.2080453	TwoSample_MR	XL_VLDL_P	MDD
MR Egger	110	0.0150334	0.0201574	0.4574067	TwoSample_MR	XL_VLDL_TG	MDD
Weighted median	110	0.0267804	0.0175964	0.1280273	TwoSample_MR	XL_VLDL_TG	MDD
Inverse variance weighted	110	0.0230817	0.012926	0.0741511	TwoSample_MR	XL_VLDL_TG	MDD
Simple mode	110	0.0224557	0.0309605	0.4698211	TwoSample_MR	XL_VLDL_TG	MDD
Weighted mode	110	0.0224557	0.0152141	0.1428333	TwoSample_MR	XL_VLDL_TG	MDD
MR Egger	87	0.0342148	0.0224542	0.1312821	TwoSample_MR	XL_VLDL_TG_pct	MDD
Weighted median	87	0.02787	0.0183334	0.1284676	TwoSample_MR	XL_VLDL_TG_pct	MDD
Inverse variance weighted	87	0.0496514	0.0140745	0.0004191	TwoSample_MR	XL_VLDL_TG_pct	MDD
Simple mode	87	0.0061838	0.0315714	0.845175	TwoSample_MR	XL_VLDL_TG_pct	MDD
Weighted mode	87	0.025717	0.0171276	0.1368916	TwoSample_MR	XL_VLDL_TG_pct	MDD
MR Egger	107	-0.0406966	0.0188497	0.0331269	TwoSample_MR	XS_VLDL_CE_pct	MDD
Weighted median	107	-0.0255595	0.0150374	0.0891805	TwoSample_MR	XS_VLDL_CE_pct	MDD
Inverse variance weighted	107	-0.0397608	0.0128305	0.0019422	TwoSample_MR	XS_VLDL_CE_pct	MDD
Simple mode	107	-0.0193852	0.0281017	0.4918129	TwoSample_MR	XS_VLDL_CE_pct	MDD

Weighted mode	107	-0.0286721	0.0140637	0.0439652	TwoSample_MR	XS_VLDL_CE_pct	MDD
MR Egger	104	-0.0393302	0.0184812	0.035737	TwoSample_MR	XS_VLDL_C_pct	MDD
Weighted median	104	-0.026021	0.0152782	0.0885422	TwoSample_MR	XS_VLDL_C_pct	MDD
Inverse variance weighted	104	-0.0429616	0.0125419	0.0006138	TwoSample_MR	XS_VLDL_C_pct	MDD
Simple mode	104	-0.0261104	0.0276115	0.3465478	TwoSample_MR	XS_VLDL_C_pct	MDD
Weighted mode	104	-0.0291609	0.013806	0.0370873	TwoSample_MR	XS_VLDL_C_pct	MDD
MR Egger	74	-0.0399918	0.0201761	0.0512809	TwoSample_MR	XS_VLDL_FC_pct	MDD
Weighted median	74	-0.0300172	0.0183401	0.1016947	TwoSample_MR	XS_VLDL_FC_pct	MDD
Inverse variance weighted	74	-0.0428325	0.0128432	0.0008529	TwoSample_MR	XS_VLDL_FC_pct	MDD
Simple mode	74	-0.0034398	0.0376923	0.927535	TwoSample_MR	XS_VLDL_FC_pct	MDD
Weighted mode	74	-0.0202358	0.0191329	0.2937057	TwoSample_MR	XS_VLDL_FC_pct	MDD
MR Egger	87	0.0115073	0.0232255	0.6215537	TwoSample_MR	XS_VLDL_PL_pct	MDD
Weighted median	87	0.016978	0.0207707	0.4136988	TwoSample_MR	XS_VLDL_PL_pct	MDD
Inverse variance weighted	87	0.0086214	0.0137753	0.5314067	TwoSample_MR	XS_VLDL_PL_pct	MDD
Simple mode	87	0.0033564	0.0351345	0.9241168	TwoSample_MR	XS_VLDL_PL_pct	MDD
Weighted mode	87	0.0059667	0.0201968	0.7683778	TwoSample_MR	XS_VLDL_PL_pct	MDD
MR Egger	109	0.00428	0.0163011	0.7933935	TwoSample_MR	XS_VLDL_TG	MDD
Weighted median	109	-0.00662	0.0155188	0.6696839	TwoSample_MR	XS_VLDL_TG	MDD
Inverse variance weighted	109	0.0028886	0.0110269	0.7933538	TwoSample_MR	XS_VLDL_TG	MDD
Simple mode	109	0.0083506	0.0295226	0.7778304	TwoSample_MR	XS_VLDL_TG	MDD
Weighted mode	109	0.0022859	0.0119744	0.848966	TwoSample_MR	XS_VLDL_TG	MDD
MR Egger	101	0.0339355	0.0167724	0.0457385	TwoSample_MR	XS_VLDL_TG_pct	MDD
Weighted median	101	0.0266839	0.0152929	0.0810086	TwoSample_MR	XS_VLDL_TG_pct	MDD
Inverse variance weighted	101	0.0422961	0.0114302	0.0002153	TwoSample_MR	XS_VLDL_TG_pct	MDD
Simple mode	101	0.0126629	0.0295227	0.6689029	TwoSample_MR	XS_VLDL_TG_pct	MDD
Weighted mode	101	0.0239563	0.0139547	0.0891261	TwoSample_MR	XS_VLDL_TG_pct	MDD
MR Egger	96	0.0177861	0.0204509	0.386681	TwoSample_MR	XXL_VLDL_CE	MDD
Weighted median	96	0.025252	0.0164475	0.124707	TwoSample_MR	XXL_VLDL_CE	MDD
Inverse variance weighted	96	0.0166384	0.0134445	0.215878	TwoSample_MR	XXL_VLDL_CE	MDD
Simple mode	96	0.007611	0.0290326	0.7937709	TwoSample_MR	XXL_VLDL_CE	MDD
Weighted mode	96	0.0182457	0.015313	0.236418	TwoSample_MR	XXL_VLDL_CE	MDD
MR Egger	101	0.0160804	0.0188308	0.3951987	TwoSample_MR	XXL_VLDL_C	MDD
Weighted median	101	0.0249782	0.0164189	0.1281833	TwoSample_MR	XXL_VLDL_C	MDD
Inverse variance weighted	101	0.0175507	0.0125648	0.162468	TwoSample_MR	XXL_VLDL_C	MDD
Simple mode	101	0.0134782	0.0290968	0.6442133	TwoSample_MR	XXL_VLDL_C	MDD
Weighted mode	101	0.0187012	0.0153847	0.2270119	TwoSample_MR	XXL_VLDL_C	MDD
MR Egger	101	0.0113039	0.0187807	0.548625	TwoSample_MR	XXL_VLDL_FC	MDD
Weighted median	101	0.0257062	0.0160894	0.1101073	TwoSample_MR	XXL_VLDL_FC	MDD
Inverse variance weighted	101	0.0196468	0.0126773	0.1211985	TwoSample_MR	XXL_VLDL_FC	MDD
Simple mode	101	0.0139467	0.030201	0.6452292	TwoSample_MR	XXL_VLDL_FC	MDD
Weighted mode	101	0.0197006	0.0143766	0.1736541	TwoSample_MR	XXL_VLDL_FC	MDD
MR Egger	99	0.0204762	0.0196222	0.2993009	TwoSample_MR	XXL_VLDL_L	MDD
Weighted median	99	0.0288657	0.0167932	0.0856338	TwoSample_MR	XXL_VLDL_L	MDD
Inverse variance weighted	99	0.0128918	0.013048	0.3231397	TwoSample_MR	XXL_VLDL_L	MDD
Simple mode	99	0.0170567	0.0299807	0.5707099	TwoSample_MR	XXL_VLDL_L	MDD
Weighted mode	99	0.0170567	0.0164089	0.3011383	TwoSample_MR	XXL_VLDL_L	MDD
MR Egger	102	0.0070633	0.0194923	0.7178437	TwoSample_MR	XXL_VLDL_PL	MDD
Weighted median	102	0.0257775	0.0158504	0.1038856	TwoSample_MR	XXL_VLDL_PL	MDD
Inverse variance weighted	102	0.0190974	0.0130256	0.1426096	TwoSample_MR	XXL_VLDL_PL	MDD
Simple mode	102	0.0175906	0.0278363	0.5288596	TwoSample_MR	XXL_VLDL_PL	MDD
Weighted mode	102	0.0207415	0.0158813	0.1945082	TwoSample_MR	XXL_VLDL_PL	MDD
MR Egger	56	-0.0065204	0.0190132	0.7329734	TwoSample_MR	XXL_VLDL_PL_pct	MDD
Weighted median	56	-0.0193634	0.0169925	0.2544824	TwoSample_MR	XXL_VLDL_PL_pct	MDD
Inverse variance weighted	56	0.0067425	0.0124161	0.5871003	TwoSample_MR	XXL_VLDL_PL_pct	MDD
Simple mode	56	-0.0163518	0.0309439	0.5993237	TwoSample_MR	XXL_VLDL_PL_pct	MDD
Weighted mode	56	-0.0047181	0.0146063	0.7479056	TwoSample_MR	XXL_VLDL_PL_pct	MDD
MR Egger	98	0.0127021	0.0194588	0.5154655	TwoSample_MR	XXL_VLDL_P	MDD
Weighted median	98	0.02396	0.0167838	0.1534182	TwoSample_MR	XXL_VLDL_P	MDD
Inverse variance weighted	98	0.0165824	0.0129327	0.1997706	TwoSample_MR	XXL_VLDL_P	MDD
Simple mode	98	0.0117666	0.0294057	0.6899292	TwoSample_MR	XXL_VLDL_P	MDD
Weighted mode	98	0.0198659	0.0155383	0.2041182	TwoSample_MR	XXL_VLDL_P	MDD
MR Egger	93	0.0144875	0.0179151	0.420812	TwoSample_MR	XXL_VLDL_TG	MDD

Weighted median	93	0.0069284	0.0174355	0.6910912	TwoSample_MR	XXL_VLDL_TG	MDD
Inverse variance weighted	93	0.0169425	0.0118567	0.1530216	TwoSample_MR	XXL_VLDL_TG	MDD
Simple mode	93	0.0131409	0.0347605	0.7062697	TwoSample_MR	XXL_VLDL_TG	MDD
Weighted mode	93	0.0185089	0.0158267	0.2452359	TwoSample_MR	XXL_VLDL_TG	MDD

eTable 7. Results of horizontal pleiotropy in MR

analysis	egger_intercept	se	pval	exposure	outcome
Horizontal_pleiotropy	0.0070856	0.002505	0.005593	MDD	XL_HDL_FC_pct
Horizontal_pleiotropy	-0.0064994	0.0025612	0.0126159	MDD	L_HDL_PL
Horizontal_pleiotropy	-0.0065219	0.0026212	0.0143999	MDD	L_HDL_L
Horizontal_pleiotropy	-0.0066615	0.0027098	0.0155799	MDD	L_HDL_CE
Horizontal_pleiotropy	-0.0063312	0.002607	0.0168417	MDD	HDL_CE
Horizontal_pleiotropy	-0.0065201	0.0026977	0.0173589	MDD	L_HDL_C
Horizontal_pleiotropy	-0.0063398	0.0026431	0.0182064	MDD	HDL_size
Horizontal_pleiotropy	-0.0063532	0.0026717	0.0191997	MDD	L_HDL_P
Horizontal_pleiotropy	0.006187	0.0026024	0.0192292	MDD	L_VLDL_TG
Horizontal_pleiotropy	-0.0059683	0.0025296	0.0201362	MDD	M_HDL_CE
Horizontal_pleiotropy	-0.0061446	0.0026123	0.0205101	MDD	HDL_C
Horizontal_pleiotropy	0.0054951	0.0023705	0.0223636	MDD	XL_VLDL_CE
Horizontal_pleiotropy	-0.0058795	0.002539	0.0225005	MDD	M_HDL_C
Horizontal_pleiotropy	0.0059271	0.002572	0.0231485	MDD	L_VLDL_L
Horizontal_pleiotropy	0.005684	0.0024758	0.023654	MDD	XL_VLDL_C
Horizontal_pleiotropy	0.0057246	0.0025329	0.0258577	MDD	L_VLDL_FC
Horizontal_pleiotropy	-0.0059594	0.0026464	0.0263927	MDD	L_HDL_FC
Horizontal_pleiotropy	-0.005751	0.0025549	0.0264506	MDD	HDL_L
Horizontal_pleiotropy	0.0058704	0.0026154	0.026876	MDD	XL_VLDL_PL
Horizontal_pleiotropy	0.005473	0.0024486	0.027502	MDD	L_VLDL_C
Horizontal_pleiotropy	0.005924	0.0026566	0.0278596	MDD	TG_by_PG
Horizontal_pleiotropy	0.0057438	0.0025979	0.0291869	MDD	L_VLDL_PL
Horizontal_pleiotropy	-0.0055577	0.002527	0.0300256	MDD	HDL_PL
Horizontal_pleiotropy	0.0058443	0.0026661	0.0305611	MDD	XL_VLDL_L
Horizontal_pleiotropy	0.0056312	0.0025697	0.030611	MDD	XL_VLDL_FC
Horizontal_pleiotropy	0.0055879	0.0025671	0.0317215	MDD	L_VLDL_P
Horizontal_pleiotropy	-0.0055088	0.0025575	0.0335107	MDD	M_HDL_P
Horizontal_pleiotropy	0.005101	0.002379	0.0343066	MDD	L_VLDL_CE
Horizontal_pleiotropy	0.0058754	0.0027494	0.0348998	MDD	XL_VLDL_TG
Horizontal_pleiotropy	0.0056723	0.0026598	0.0352678	MDD	VLDL_size
Horizontal_pleiotropy	0.005639	0.0026533	0.0358894	MDD	XL_VLDL_P
Horizontal_pleiotropy	-0.0054222	0.0025612	0.0365914	MDD	M_HDL_FC
Horizontal_pleiotropy	0.004834	0.002331	0.0405188	MDD	M_VLDL_L
Horizontal_pleiotropy	-0.0053763	0.0025954	0.0407408	MDD	HDL_FC
Horizontal_pleiotropy	0.0048964	0.002364	0.0407635	MDD	VLDL_FC
Horizontal_pleiotropy	0.0049819	0.0024212	0.0420868	MDD	VLDL_PL
Horizontal_pleiotropy	0.0020594	0.0010025	0.0426452	M_VLDL_TG_pct	MDD
Horizontal_pleiotropy	0.0051527	0.0025174	0.0431442	MDD	VLDL_L
Horizontal_pleiotropy	-0.0051996	0.0025681	0.0454161	MDD	ApoA1
Horizontal_pleiotropy	0.0050364	0.0025613	0.0518727	MDD	M_VLDL_TG
Horizontal_pleiotropy	0.0051845	0.0026793	0.055647	MDD	VLDL_TG
Horizontal_pleiotropy	0.0051442	0.0027393	0.063144	MDD	XXL_VLDL_TG
Horizontal_pleiotropy	-0.0048905	0.0027225	0.0752898	MDD	XL_HDL_PL
Horizontal_pleiotropy	0.001889	0.0010497	0.0763554	Unsaturation	MDD
Horizontal_pleiotropy	0.0048259	0.0027158	0.0784382	MDD	L_HDL_TG_pct
Horizontal_pleiotropy	-0.0049412	0.0027885	0.0792701	MDD	Omega_6_pct
Horizontal_pleiotropy	0.0048067	0.00274	0.0822725	MDD	XXL_VLDL_L
Horizontal_pleiotropy	-0.0055231	0.0031492	0.0823495	MDD	PUFA_pct
Horizontal_pleiotropy	-0.0049311	0.0028496	0.08646	MDD	XL_HDL_CE
Horizontal_pleiotropy	0.0040724	0.0023627	0.0876912	MDD	S_VLDL_P
Horizontal_pleiotropy	-0.0066459	0.0038674	0.0886392	MDD	LA_pct
Horizontal_pleiotropy	-0.0048371	0.0028201	0.0892264	MDD	M_HDL_C_pct
Horizontal_pleiotropy	0.0040153	0.0023731	0.0935893	MDD	S_VLDL_L
Horizontal_pleiotropy	0.0045311	0.0026901	0.0950512	MDD	Total_TG
Horizontal_pleiotropy	0.004821	0.0028748	0.0964897	MDD	M_HDL_PL_pct
Horizontal_pleiotropy	-0.0046323	0.0027757	0.0980945	MDD	XL_HDL_L
Horizontal_pleiotropy	0.0044878	0.0027379	0.1041491	MDD	XXL_VLDL_P
Horizontal_pleiotropy	-0.0044515	0.0027648	0.110364	MDD	M_HDL_FC_pct

Horizontal_pleiotropy	-0.0041963	0.0026247	0.1128423	MDD	HDL_P
Horizontal_pleiotropy	0.0043413	0.0027237	0.1139363	MDD	M_HDL_TG_pct
Horizontal_pleiotropy	0.0044043	0.0027964	0.118239	MDD	XL_HDL_TG_pct
Horizontal_pleiotropy	0.004218	0.0026987	0.1210422	MDD	S_HDL_TG_pct
Horizontal_pleiotropy	-0.0042954	0.0027565	0.1221516	MDD	M_HDL_CE_pct
Horizontal_pleiotropy	-0.0044328	0.0028706	0.125522	MDD	XL_HDL_C
Horizontal_pleiotropy	0.0041977	0.0027356	0.1278905	MDD	XXL_VLDL_PL
Horizontal_pleiotropy	0.0017237	0.0011237	0.1289551	Sphingomyelins	MDD
Horizontal_pleiotropy	-0.0044037	0.002889	0.1304113	MDD	L_HDL_CE_pct
Horizontal_pleiotropy	0.0034881	0.0023071	0.1335347	MDD	XS_VLDL_PL_pct
Horizontal_pleiotropy	-0.0041002	0.0027595	0.1402823	MDD	XL_HDL_P
Horizontal_pleiotropy	0.00407	0.0027395	0.1403279	MDD	XXL_VLDL_CE
Horizontal_pleiotropy	-0.0043757	0.0029632	0.1427192	MDD	L_HDL_C_pct
Horizontal_pleiotropy	-0.0040416	0.0027388	0.1429855	MDD	L_VLDL_CE_pct
Horizontal_pleiotropy	-0.0016755	0.001136	0.1433043	XL_VLDL_CE_pct	MDD
Horizontal_pleiotropy	0.0038801	0.0027513	0.161388	MDD	XXL_VLDL_C
Horizontal_pleiotropy	-0.0015203	0.0010986	0.1697688	L_HDL_FC_pct	MDD
Horizontal_pleiotropy	0.0037905	0.0027568	0.1720362	MDD	XXL_VLDL_FC
Horizontal_pleiotropy	0.0013819	0.0010085	0.1736005	Total_TG	MDD
Horizontal_pleiotropy	-0.0015687	0.0011475	0.1751008	L_VLDL_CE	MDD
Horizontal_pleiotropy	-0.0015482	0.0011332	0.1752731	L_VLDL_CE_pct	MDD
Horizontal_pleiotropy	-0.0033733	0.0024737	0.1755576	MDD	XXL_VLDL_PL_pct
Horizontal_pleiotropy	-0.0034692	0.0026265	0.1893917	MDD	Total_P
Horizontal_pleiotropy	0.003352	0.0025466	0.1909271	MDD	S_LDL_TG
Horizontal_pleiotropy	0.0016427	0.0012466	0.1916005	Total_CE	MDD
Horizontal_pleiotropy	-0.0012682	0.0009674	0.1928323	M_VLDL_CE_pct	MDD
Horizontal_pleiotropy	-0.0037177	0.0028634	0.1969894	MDD	XL_VLDL_FC_pct
Horizontal_pleiotropy	0.0034055	0.00265	0.2015654	MDD	L_VLDL_PL_pct
Horizontal_pleiotropy	0.001217	0.0009668	0.2104218	HDL_CE	MDD
Horizontal_pleiotropy	-0.0043369	0.0034577	0.2125016	MDD	PUFA_by_MUFA
Horizontal_pleiotropy	-0.0035832	0.0028594	0.2129144	MDD	XL_VLDL_C_pct
Horizontal_pleiotropy	0.0013492	0.0010782	0.2142583	M_HDL_TG	MDD
Horizontal_pleiotropy	0.0014574	0.0011663	0.2147908	MUFA	MDD
Horizontal_pleiotropy	0.001345	0.0010795	0.2159698	HDL_TG	MDD
Horizontal_pleiotropy	0.0034588	0.0029199	0.2388347	MDD	S_HDL_TG
Horizontal_pleiotropy	-0.0033473	0.002827	0.239043	MDD	XL_VLDL_CE_pct
Horizontal_pleiotropy	0.0011742	0.0009937	0.2400956	VLDL_TG	MDD
Horizontal_pleiotropy	0.0028014	0.0024335	0.2522447	MDD	M_LDL_TG
Horizontal_pleiotropy	0.0030187	0.0026493	0.2570961	MDD	S_VLDL_TG
Horizontal_pleiotropy	0.0011006	0.0009686	0.2584874	S_LDL_TG_pct	MDD
Horizontal_pleiotropy	0.0014781	0.0013306	0.2695084	HDL_PL	MDD
Horizontal_pleiotropy	0.0010969	0.0009907	0.2704057	HDL_C	MDD
Horizontal_pleiotropy	0.0014136	0.001279	0.2718666	M_HDL_P	MDD
Horizontal_pleiotropy	-0.0010794	0.0010092	0.2869516	XL_HDL_FC_pct	MDD
Horizontal_pleiotropy	-0.0011928	0.0011223	0.2907964	M_VLDL_FC_pct	MDD
Horizontal_pleiotropy	0.0013359	0.0012699	0.2951026	M_HDL_CE	MDD
Horizontal_pleiotropy	-0.0012764	0.001221	0.2987232	L_VLDL_C	MDD
Horizontal_pleiotropy	0.0029887	0.0028963	0.3044774	MDD	XS_VLDL_FC_pct
Horizontal_pleiotropy	-0.0010121	0.0009827	0.3055334	M_VLDL_C_pct	MDD
Horizontal_pleiotropy	0.0029915	0.0029366	0.3106662	MDD	L_HDL_PL_pct
Horizontal_pleiotropy	0.0012438	0.0012334	0.315626	M_HDL_C	MDD
Horizontal_pleiotropy	0.0011227	0.0011255	0.3207864	IDL_TG_pct	MDD
Horizontal_pleiotropy	0.0009414	0.0009484	0.3237505	M_LDL_TG_pct	MDD
Horizontal_pleiotropy	0.0027317	0.0027868	0.3292103	MDD	XL_VLDL_TG_pct
Horizontal_pleiotropy	0.0015767	0.0016053	0.3311415	Citrate	MDD
Horizontal_pleiotropy	-0.0012722	0.0013418	0.3458028	VLDL_FC	MDD
Horizontal_pleiotropy	-0.0027509	0.0029194	0.3481894	MDD	M_VLDL_CE_pct
Horizontal_pleiotropy	-0.0022397	0.0023743	0.349651	Ala	MDD
Horizontal_pleiotropy	0.0008784	0.0009558	0.3600769	XL_HDL_L	MDD
Horizontal_pleiotropy	0.0011068	0.0012004	0.3606209	XXL_VLDL_PL_pct	MDD
Horizontal_pleiotropy	0.0025524	0.0028004	0.3641339	MDD	MUFA
Horizontal_pleiotropy	-0.0044933	0.004931	0.3642372	MDD	Unsaturation

Horizontal_pleiotropy	-0.0010164	0.0011241	0.3680372	XL_VLDL_C_pct	MDD
Horizontal_pleiotropy	0.0032802	0.0036296	0.3681908	MDD	MUFA_pct
Horizontal_pleiotropy	0.0009043	0.0010009	0.3683777	XL_HDL_P	MDD
Horizontal_pleiotropy	0.0010562	0.0011961	0.3797062	XL_VLDL_TG_pct	MDD
Horizontal_pleiotropy	-0.000917	0.0010518	0.3854932	XL_VLDL_PL	MDD
Horizontal_pleiotropy	0.0008227	0.0009542	0.3905719	S_VLDL_TG	MDD
Horizontal_pleiotropy	0.0008771	0.0010556	0.4080093	XXL_VLDL_PL	MDD
Horizontal_pleiotropy	-0.002425	0.0029308	0.4098569	MDD	M_VLDL_C_pct
Horizontal_pleiotropy	-0.0024059	0.0029143	0.4109144	MDD	XL_HDL_FC
Horizontal_pleiotropy	-0.0009995	0.0012218	0.415586	VLDL_PL	MDD
Horizontal_pleiotropy	-0.0010162	0.0012818	0.4300297	XL_VLDL_CE	MDD
Horizontal_pleiotropy	0.0007269	0.0009298	0.4360826	XL_HDL_FC	MDD
Horizontal_pleiotropy	-0.0020568	0.0027045	0.4486449	MDD	S_HDL_FC_pct
Horizontal_pleiotropy	0.0019139	0.0025475	0.4541411	MDD	XS_VLDL_TG
Horizontal_pleiotropy	0.0007235	0.0009632	0.4541608	XL_HDL_PL	MDD
Horizontal_pleiotropy	-0.0009403	0.0012496	0.4544126	IDL_FC_pct	MDD
Horizontal_pleiotropy	-0.0008208	0.001134	0.4710113	L_VLDL_FC	MDD
Horizontal_pleiotropy	-0.0007668	0.0010784	0.4789755	VLDL_L	MDD
Horizontal_pleiotropy	0.0020492	0.0028985	0.4811238	MDD	M_VLDL_TG_pct
Horizontal_pleiotropy	0.0006611	0.0009439	0.4848866	L_HDL_FC	MDD
Horizontal_pleiotropy	0.0016687	0.002393	0.4871249	MDD	IDL_TG
Horizontal_pleiotropy	0.0006458	0.0009459	0.496374	XS_VLDL_TG_pct	MDD
Horizontal_pleiotropy	-0.000645	0.0009474	0.4979237	S_HDL_C_pct	MDD
Horizontal_pleiotropy	0.0006507	0.0009784	0.5076204	L_LDL_TG_pct	MDD
Horizontal_pleiotropy	-0.0007124	0.0010928	0.5161681	L_VLDL_L	MDD
Horizontal_pleiotropy	-0.0007265	0.0011155	0.516385	S_VLDL_P	MDD
Horizontal_pleiotropy	-0.00168	0.0026101	0.5211959	MDD	M_LDL_TG_pct
Horizontal_pleiotropy	0.0008463	0.0013204	0.5231844	ApoA1	MDD
Horizontal_pleiotropy	-0.0006471	0.0010233	0.5287615	S_VLDL_FC_pct	MDD
Horizontal_pleiotropy	-0.0007348	0.0011734	0.5328487	XL_VLDL_C	MDD
Horizontal_pleiotropy	0.0005788	0.000936	0.5373154	L_HDL_P	MDD
Horizontal_pleiotropy	-0.0007568	0.0012308	0.5403497	XL_VLDL_FC_pct	MDD
Horizontal_pleiotropy	0.0006038	0.0010001	0.5474138	XXL_VLDL_FC	MDD
Horizontal_pleiotropy	-0.0013485	0.0022538	0.5508945	MDD	Citrate
Horizontal_pleiotropy	-0.0006004	0.0010088	0.5533391	S_HDL_FC_pct	MDD
Horizontal_pleiotropy	-0.0005875	0.0009955	0.5562346	S_HDL_TG	MDD
Horizontal_pleiotropy	-0.0006171	0.0010702	0.565616	XL_VLDL_FC	MDD
Horizontal_pleiotropy	0.0006114	0.001072	0.5697697	IDL_TG	MDD
Horizontal_pleiotropy	-0.0006166	0.0011415	0.5905705	M_VLDL_L	MDD
Horizontal_pleiotropy	0.0006111	0.001133	0.591322	IDL_FC	MDD
Horizontal_pleiotropy	0.0005197	0.0009965	0.6030436	XL_VLDL_TG	MDD
Horizontal_pleiotropy	-0.0005423	0.0010447	0.6048993	XXL_VLDL_L	MDD
Horizontal_pleiotropy	-0.001229	0.0023764	0.6061037	MDD	Ala
Horizontal_pleiotropy	-0.0006188	0.0012048	0.6088339	PUFA_by_MUFA	MDD
Horizontal_pleiotropy	-0.000535	0.0010531	0.6123612	M_HDL_TG_pct	MDD
Horizontal_pleiotropy	-0.0014771	0.002936	0.6159365	MDD	M_VLDL_FC_pct
Horizontal_pleiotropy	0.0009179	0.0018385	0.6210045	Pyruvate	MDD
Horizontal_pleiotropy	-0.0014977	0.0030737	0.6270893	MDD	IDL_FC_pct
Horizontal_pleiotropy	-0.0013567	0.0028347	0.6332035	MDD	L_HDL_FC_pct
Horizontal_pleiotropy	0.0004795	0.0010119	0.6364233	TG_by_PG	MDD
Horizontal_pleiotropy	-0.0005758	0.0012374	0.6427774	S_VLDL_L	MDD
Horizontal_pleiotropy	-0.000415	0.000906	0.6477171	L_HDL_C_pct	MDD
Horizontal_pleiotropy	0.0011324	0.0024755	0.6482856	MDD	IDL_L
Horizontal_pleiotropy	-0.0004898	0.0010785	0.6506293	L_HDL_CE_pct	MDD
Horizontal_pleiotropy	-0.0004439	0.0009825	0.6522729	S_HDL_TG_pct	MDD
Horizontal_pleiotropy	0.0010956	0.0024967	0.6617018	MDD	IDL_CE
Horizontal_pleiotropy	-0.000572	0.0013966	0.683129	HDL_P	MDD
Horizontal_pleiotropy	0.0010296	0.0025322	0.6851058	MDD	IDL_C
Horizontal_pleiotropy	0.0003752	0.0009496	0.6933002	L_HDL_C	MDD
Horizontal_pleiotropy	0.0010403	0.0027466	0.7056161	MDD	S_VLDL_C_pct
Horizontal_pleiotropy	0.0004121	0.0011002	0.7089826	Omega_6_pct	MDD
Horizontal_pleiotropy	-0.0003973	0.0010641	0.7096158	L_VLDL_PL_pct	MDD

Horizontal_pleiotropy	-0.0003498	0.0009856	0.7233241	XL_VLDL_L	MDD
Horizontal_pleiotropy	0.000469	0.0013243	0.7239987	M_HDL_FC	MDD
Horizontal_pleiotropy	0.0003794	0.0010773	0.7254876	MUFA_pct	MDD
Horizontal_pleiotropy	0.0009737	0.0027671	0.7256321	MDD	HDL_TG
Horizontal_pleiotropy	0.0003534	0.001042	0.7351079	VLDL_size	MDD
Horizontal_pleiotropy	0.0002935	0.0008884	0.7417109	XL_HDL_CE	MDD
Horizontal_pleiotropy	-0.0003296	0.0010086	0.7444832	L_VLDL_TG	MDD
Horizontal_pleiotropy	-0.0009128	0.0028341	0.7480361	MDD	XS_VLDL_CE_pct
Horizontal_pleiotropy	0.0003455	0.0010827	0.7502466	M_HDL_FC_pct	MDD
Horizontal_pleiotropy	0.0008374	0.0026384	0.7515783	MDD	IDL_FC
Horizontal_pleiotropy	0.000375	0.0012161	0.7584327	HDL_L	MDD
Horizontal_pleiotropy	0.0003684	0.0011972	0.7588732	L_HDL_PL_pct	MDD
Horizontal_pleiotropy	0.0004043	0.0013402	0.7638551	S_LDL_PL_pct	MDD
Horizontal_pleiotropy	-0.000343	0.001141	0.7643883	L_VLDL_PL	MDD
Horizontal_pleiotropy	0.0002811	0.0009364	0.7644586	L_HDL_L	MDD
Horizontal_pleiotropy	0.0003043	0.0010239	0.7669171	S_LDL_TG	MDD
Horizontal_pleiotropy	-0.0006661	0.0022416	0.766943	MDD	Pyruvate
Horizontal_pleiotropy	0.0002647	0.0008913	0.7671616	S_VLDL_TG_pct	MDD
Horizontal_pleiotropy	0.000828	0.0028944	0.7753929	MDD	M_HDL_TG
Horizontal_pleiotropy	-0.0002958	0.0010369	0.776061	IDL_CE_pct	MDD
Horizontal_pleiotropy	-0.000398	0.0014105	0.7786256	PUFA_pct	MDD
Horizontal_pleiotropy	-0.0002804	0.001044	0.788802	XS_VLDL_C_pct	MDD
Horizontal_pleiotropy	0.0002771	0.0010341	0.7893431	XXL_VLDL_P	MDD
Horizontal_pleiotropy	-0.0002327	0.0009361	0.8041136	XL_HDL_C	MDD
Horizontal_pleiotropy	-0.0002379	0.0009685	0.8065383	S_VLDL_PL_pct	MDD
Horizontal_pleiotropy	-0.0002759	0.00114	0.8094601	IDL_L	MDD
Horizontal_pleiotropy	-0.0006714	0.0027948	0.8106243	MDD	S_VLDL_TG_pct
Horizontal_pleiotropy	-0.0006094	0.0027192	0.8231028	MDD	S_HDL_C_pct
Horizontal_pleiotropy	0.000209	0.0010622	0.8444077	M_LDL_TG	MDD
Horizontal_pleiotropy	0.0001843	0.0009539	0.8470625	L_HDL_PL	MDD
Horizontal_pleiotropy	0.0001786	0.0009731	0.85477	XXL_VLDL_TG	MDD
Horizontal_pleiotropy	-0.0002093	0.0011411	0.8550011	XS_VLDL_FC_pct	MDD
Horizontal_pleiotropy	-0.0001988	0.001131	0.8608733	L_VLDL_P	MDD
Horizontal_pleiotropy	0.0001907	0.0010911	0.8616189	M_VLDL_TG	MDD
Horizontal_pleiotropy	0.0001829	0.0010899	0.8670396	M_HDL_PL_pct	MDD
Horizontal_pleiotropy	-0.0001685	0.0010317	0.870589	IDL_C_pct	MDD
Horizontal_pleiotropy	-0.0001788	0.0011548	0.8773357	XS_VLDL_PL_pct	MDD
Horizontal_pleiotropy	0.0001484	0.0009902	0.8810911	XL_HDL_TG_pct	MDD
Horizontal_pleiotropy	-0.0003778	0.0026393	0.8864468	MDD	L_LDL_TG_pct
Horizontal_pleiotropy	-0.0001516	0.0010895	0.8895901	HDL_FC	MDD
Horizontal_pleiotropy	-0.000379	0.0028884	0.8958429	MDD	XS_VLDL_C_pct
Horizontal_pleiotropy	0.0001332	0.0010898	0.9029647	M_HDL_CE_pct	MDD
Horizontal_pleiotropy	0.0003008	0.002492	0.9041412	MDD	IDL_CE_pct
Horizontal_pleiotropy	-0.0003276	0.0027762	0.9062976	MDD	S_LDL_PL_pct
Horizontal_pleiotropy	-0.0001066	0.0009161	0.90759	XS_VLDL_TG	MDD
Horizontal_pleiotropy	0.0001052	0.0009998	0.9163882	XXL_VLDL_C	MDD
Horizontal_pleiotropy	-0.0002585	0.0027195	0.924442	MDD	Sphingomyelins
Horizontal_pleiotropy	0.0000985	0.0010792	0.9274978	IDL_CE	MDD
Horizontal_pleiotropy	-0.0001258	0.0014095	0.929112	Total_P	MDD
Horizontal_pleiotropy	0.0002199	0.0027195	0.9357026	MDD	IDL_C_pct
Horizontal_pleiotropy	-0.0002361	0.0029416	0.9361674	MDD	XS_VLDL_TG_pct
Horizontal_pleiotropy	-0.0002211	0.0029172	0.9397223	MDD	S_VLDL_FC_pct
Horizontal_pleiotropy	-0.000083	0.0011101	0.9405533	XXL_VLDL_CE	MDD
Horizontal_pleiotropy	0.000071	0.0009815	0.9424923	S_VLDL_C_pct	MDD
Horizontal_pleiotropy	0.0000706	0.0010377	0.9458793	XS_VLDL_CE_pct	MDD
Horizontal_pleiotropy	-0.0001953	0.0028791	0.9460461	MDD	S_VLDL_PL_pct
Horizontal_pleiotropy	0.0000699	0.0010394	0.9464983	M_HDL_C_pct	MDD
Horizontal_pleiotropy	0.000061	0.0009592	0.9493856	L_HDL_CE	MDD
Horizontal_pleiotropy	-0.0000634	0.0010134	0.9502024	HDL_size	MDD
Horizontal_pleiotropy	-0.0001212	0.0028082	0.9656536	MDD	IDL_TG_pct
Horizontal_pleiotropy	0.0000399	0.0010236	0.9689447	XL_VLDL_P	MDD
Horizontal_pleiotropy	-0.0000379	0.0010765	0.9720063	IDL_C	MDD

Horizontal_pleiotropy	-0.0000613	0.0024997	0.9804774	MDD	Total_CE
Horizontal_pleiotropy	-0.0000165	0.0009904	0.9867707	L_HDL_TG_pct	MDD
Horizontal_pleiotropy	-0.0000294	0.0028805	0.9918812	MDD	S_LDL_TG_pct
Horizontal_pleiotropy	0.0000096	0.0014141	0.9945819	LA_pct	MDD

eTable 8. Results of Heterogeneity test in Mendelian Randomization

method	Q	Q_df	Q_pval	analysis	exposure	outcome
MR Egger	201.2925	102	0	Heterogeneity_tests	HDL_L	MDD
Inverse variance weighted	201.4802	103	0	Heterogeneity_tests	HDL_L	MDD
MR Egger	199.042	93	0	Heterogeneity_tests	HDL_PL	MDD
Inverse variance weighted	201.6829	94	0	Heterogeneity_tests	HDL_PL	MDD
MR Egger	214.9488	106	0	Heterogeneity_tests	IDL_TG_pct	MDD
Inverse variance weighted	216.9665	107	0	Heterogeneity_tests	IDL_TG_pct	MDD
MR Egger	262.3141	145	0	Heterogeneity_tests	L_HDL_CE	MDD
Inverse variance weighted	262.3214	146	0	Heterogeneity_tests	L_HDL_CE	MDD
MR Egger	210.1844	106	0	Heterogeneity_tests	MDD	HDL_C
Inverse variance weighted	221.1552	107	0	Heterogeneity_tests	MDD	HDL_C
MR Egger	207.2396	106	0	Heterogeneity_tests	MDD	HDL_CE
Inverse variance weighted	218.7706	107	0	Heterogeneity_tests	MDD	HDL_CE
MR Egger	210.7846	106	0	Heterogeneity_tests	MDD	HDL_FC
Inverse variance weighted	219.3175	107	0	Heterogeneity_tests	MDD	HDL_FC
Inverse variance weighted	208.3633	107	0	Heterogeneity_tests	MDD	HDL_L
MR Egger	218.6184	106	0	Heterogeneity_tests	MDD	HDL_size
Inverse variance weighted	230.4838	107	0	Heterogeneity_tests	MDD	HDL_size
MR Egger	235.7415	106	0	Heterogeneity_tests	MDD	IDL_FC_pct
Inverse variance weighted	236.2695	107	0	Heterogeneity_tests	MDD	IDL_FC_pct
MR Egger	207.5323	106	0	Heterogeneity_tests	MDD	IDL_TG_pct
Inverse variance weighted	207.5359	107	0	Heterogeneity_tests	MDD	IDL_TG_pct
MR Egger	384.1792	106	0	Heterogeneity_tests	MDD	LA_pct
Inverse variance weighted	394.8818	107	0	Heterogeneity_tests	MDD	LA_pct
MR Egger	230.4705	106	0	Heterogeneity_tests	MDD	L_HDL_C
Inverse variance weighted	243.1716	107	0	Heterogeneity_tests	MDD	L_HDL_C
MR Egger	231.2864	106	0	Heterogeneity_tests	MDD	L_HDL_CE
Inverse variance weighted	244.4723	107	0	Heterogeneity_tests	MDD	L_HDL_CE
MR Egger	223.9831	106	0	Heterogeneity_tests	MDD	L_HDL_CE_pct
Inverse variance weighted	228.8927	107	0	Heterogeneity_tests	MDD	L_HDL_CE_pct
MR Egger	242.7513	106	0	Heterogeneity_tests	MDD	L_HDL_C_pct
Inverse variance weighted	247.7452	107	0	Heterogeneity_tests	MDD	L_HDL_C_pct
MR Egger	223.9349	106	0	Heterogeneity_tests	MDD	L_HDL_FC
Inverse variance weighted	234.6476	107	0	Heterogeneity_tests	MDD	L_HDL_FC
MR Egger	228.5701	106	0	Heterogeneity_tests	MDD	L_HDL_FC_pct
Inverse variance weighted	229.064	107	0	Heterogeneity_tests	MDD	L_HDL_FC_pct
MR Egger	219.1895	106	0	Heterogeneity_tests	MDD	L_HDL_L
Inverse variance weighted	231.9907	107	0	Heterogeneity_tests	MDD	L_HDL_L
MR Egger	228.5429	106	0	Heterogeneity_tests	MDD	L_HDL_P
Inverse variance weighted	240.7348	107	0	Heterogeneity_tests	MDD	L_HDL_P
MR Egger	208.0086	106	0	Heterogeneity_tests	MDD	L_HDL_PL
Inverse variance weighted	220.6451	107	0	Heterogeneity_tests	MDD	L_HDL_PL
MR Egger	226.2845	106	0	Heterogeneity_tests	MDD	L_HDL_PL_pct
Inverse variance weighted	228.4998	107	0	Heterogeneity_tests	MDD	L_HDL_PL_pct
MR Egger	203.2759	106	0	Heterogeneity_tests	MDD	L_HDL_TG_pct
Inverse variance weighted	209.3314	107	0	Heterogeneity_tests	MDD	L_HDL_TG_pct
Inverse variance weighted	205.6039	107	0	Heterogeneity_tests	MDD	L_VLDL_CE_pct
MR Egger	215.5218	106	0	Heterogeneity_tests	MDD	M_HDL_C_pct
Inverse variance weighted	221.5035	107	0	Heterogeneity_tests	MDD	M_HDL_C_pct
MR Egger	238.9084	106	0	Heterogeneity_tests	MDD	M_HDL_FC_pct
Inverse variance weighted	244.7509	107	0	Heterogeneity_tests	MDD	M_HDL_FC_pct
MR Egger	225.6651	106	0	Heterogeneity_tests	MDD	M_HDL_PL_pct
Inverse variance weighted	231.6522	107	0	Heterogeneity_tests	MDD	M_HDL_PL_pct
MR Egger	210.9956	106	0	Heterogeneity_tests	MDD	M_HDL_TG
Inverse variance weighted	211.1585	107	0	Heterogeneity_tests	MDD	M_HDL_TG
MR Egger	352.3428	106	0	Heterogeneity_tests	MDD	MUFA_pct
Inverse variance weighted	355.0576	107	0	Heterogeneity_tests	MDD	MUFA_pct
MR Egger	237.5876	106	0	Heterogeneity_tests	MDD	M_VLDL_CE_pct
Inverse variance weighted	239.5778	107	0	Heterogeneity_tests	MDD	M_VLDL_CE_pct

MR Egger	238.1782	106	0	Heterogeneity_tests	MDD	M_VLDL_C_pct
Inverse variance weighted	239.7165	107	0	Heterogeneity_tests	MDD	M_VLDL_C_pct
MR Egger	234.2096	106	0	Heterogeneity_tests	MDD	M_VLDL_FC_pct
Inverse variance weighted	234.7689	107	0	Heterogeneity_tests	MDD	M_VLDL_FC_pct
MR Egger	231.4116	106	0	Heterogeneity_tests	MDD	M_VLDL_TG_pct
Inverse variance weighted	232.5028	107	0	Heterogeneity_tests	MDD	M_VLDL_TG_pct
Inverse variance weighted	207.8016	107	0	Heterogeneity_tests	MDD	Omega_6_pct
MR Egger	319.5948	106	0	Heterogeneity_tests	MDD	PUFA_by_MUFA
Inverse variance weighted	324.3381	107	0	Heterogeneity_tests	MDD	PUFA_by_MUFA
MR Egger	263.2593	106	0	Heterogeneity_tests	MDD	PUFA_pct
Inverse variance weighted	270.8986	107	0	Heterogeneity_tests	MDD	PUFA_pct
MR Egger	222.7096	106	0	Heterogeneity_tests	MDD	S_HDL_TG
Inverse variance weighted	225.6578	107	0	Heterogeneity_tests	MDD	S_HDL_TG
MR Egger	217.1116	106	0	Heterogeneity_tests	MDD	S_LDL_TG_pct
Inverse variance weighted	217.1118	107	0	Heterogeneity_tests	MDD	S_LDL_TG_pct
MR Egger	229.2401	106	0	Heterogeneity_tests	MDD	S_VLDL_FC_pct
Inverse variance weighted	229.2525	107	0	Heterogeneity_tests	MDD	S_VLDL_FC_pct
MR Egger	222.3953	106	0	Heterogeneity_tests	MDD	S_VLDL_PL_pct
Inverse variance weighted	222.405	107	0	Heterogeneity_tests	MDD	S_VLDL_PL_pct
MR Egger	205.0128	106	0	Heterogeneity_tests	MDD	S_VLDL_TG_pct
Inverse variance weighted	205.1244	107	0	Heterogeneity_tests	MDD	S_VLDL_TG_pct
MR Egger	207.9514	106	0	Heterogeneity_tests	MDD	Sphingomyelins
Inverse variance weighted	207.9691	107	0	Heterogeneity_tests	MDD	Sphingomyelins
Inverse variance weighted	210.8003	107	0	Heterogeneity_tests	MDD	TG_by_PG
MR Egger	660.2308	106	0	Heterogeneity_tests	MDD	Unsaturation
Inverse variance weighted	665.4027	107	0	Heterogeneity_tests	MDD	Unsaturation
Inverse variance weighted	208.7638	107	0	Heterogeneity_tests	MDD	VLDL_size
MR Egger	248.8841	106	0	Heterogeneity_tests	MDD	XL_HDL_C
Inverse variance weighted	254.4829	107	0	Heterogeneity_tests	MDD	XL_HDL_C
MR Egger	248.6384	106	0	Heterogeneity_tests	MDD	XL_HDL_CE
Inverse variance weighted	255.6624	107	0	Heterogeneity_tests	MDD	XL_HDL_CE
MR Egger	240.3393	106	0	Heterogeneity_tests	MDD	XL_HDL_FC
Inverse variance weighted	241.8846	107	0	Heterogeneity_tests	MDD	XL_HDL_FC
Inverse variance weighted	211.0606	107	0	Heterogeneity_tests	MDD	XL_HDL_FC_pct
MR Egger	234.3353	106	0	Heterogeneity_tests	MDD	XL_HDL_L
Inverse variance weighted	240.4924	107	0	Heterogeneity_tests	MDD	XL_HDL_L
MR Egger	230.9444	106	0	Heterogeneity_tests	MDD	XL_HDL_P
Inverse variance weighted	235.7546	107	0	Heterogeneity_tests	MDD	XL_HDL_P
MR Egger	225.3077	106	0	Heterogeneity_tests	MDD	XL_HDL_PL
Inverse variance weighted	232.1664	107	0	Heterogeneity_tests	MDD	XL_HDL_PL
MR Egger	216.3487	106	0	Heterogeneity_tests	MDD	XL_HDL_TG_pct
Inverse variance weighted	221.4117	107	0	Heterogeneity_tests	MDD	XL_HDL_TG_pct
MR Egger	213.6515	106	0	Heterogeneity_tests	MDD	XL_VLDL_CE_pct
Inverse variance weighted	216.4773	107	0	Heterogeneity_tests	MDD	XL_VLDL_CE_pct
MR Egger	218.7833	106	0	Heterogeneity_tests	MDD	XL_VLDL_C_pct
Inverse variance weighted	222.0245	107	0	Heterogeneity_tests	MDD	XL_VLDL_C_pct
MR Egger	214.4759	106	0	Heterogeneity_tests	MDD	XL_VLDL_FC_pct
Inverse variance weighted	217.8866	107	0	Heterogeneity_tests	MDD	XL_VLDL_FC_pct
MR Egger	203.1492	106	0	Heterogeneity_tests	MDD	XL_VLDL_TG
Inverse variance weighted	211.9012	107	0	Heterogeneity_tests	MDD	XL_VLDL_TG
MR Egger	203.2787	106	0	Heterogeneity_tests	MDD	XL_VLDL_TG_pct
Inverse variance weighted	205.1213	107	0	Heterogeneity_tests	MDD	XL_VLDL_TG_pct
MR Egger	221.998	106	0	Heterogeneity_tests	MDD	XS_VLDL_CE_pct
Inverse variance weighted	222.2152	107	0	Heterogeneity_tests	MDD	XS_VLDL_CE_pct
MR Egger	228.1816	106	0	Heterogeneity_tests	MDD	XS_VLDL_C_pct
Inverse variance weighted	228.2187	107	0	Heterogeneity_tests	MDD	XS_VLDL_C_pct
MR Egger	209.1171	106	0	Heterogeneity_tests	MDD	XS_VLDL_FC_pct
Inverse variance weighted	211.2177	107	0	Heterogeneity_tests	MDD	XS_VLDL_FC_pct
MR Egger	235.5313	106	0	Heterogeneity_tests	MDD	XS_VLDL_TG_pct
Inverse variance weighted	235.5456	107	0	Heterogeneity_tests	MDD	XS_VLDL_TG_pct
Inverse variance weighted	204.1011	107	0	Heterogeneity_tests	MDD	XXL_VLDL_C
Inverse variance weighted	204.8994	107	0	Heterogeneity_tests	MDD	XXL_VLDL_FC

Inverse variance weighted	204.7859	107	0	Heterogeneity_tests	MDD	XXL_VLDL_L
Inverse variance weighted	204.2841	107	0	Heterogeneity_tests	MDD	XXL_VLDL_P
Inverse variance weighted	204.1907	107	0	Heterogeneity_tests	MDD	XXL_VLDL_PL
Inverse variance weighted	204.8323	107	0	Heterogeneity_tests	MDD	XXL_VLDL_TG
MR Egger	226.5198	110	0	Heterogeneity_tests	M_HDL_CE	MDD
Inverse variance weighted	228.7988	111	0	Heterogeneity_tests	M_HDL_CE	MDD
MR Egger	189.9735	95	0	Heterogeneity_tests	M_HDL_FC	MDD
Inverse variance weighted	190.2243	96	0	Heterogeneity_tests	M_HDL_FC	MDD
MR Egger	188.5988	95	0	Heterogeneity_tests	M_HDL_P	MDD
Inverse variance weighted	191.0237	96	0	Heterogeneity_tests	M_HDL_P	MDD
MR Egger	179.2346	90	1E-07	Heterogeneity_tests	ApoA1	MDD
Inverse variance weighted	180.0527	91	1E-07	Heterogeneity_tests	ApoA1	MDD
MR Egger	224.254	125	1E-07	Heterogeneity_tests	HDL_size	MDD
MR Egger	252.9037	145	1E-07	Heterogeneity_tests	L_HDL_C	MDD
Inverse variance weighted	253.176	146	1E-07	Heterogeneity_tests	L_HDL_C	MDD
MR Egger	248.2768	141	1E-07	Heterogeneity_tests	L_HDL_L	MDD
Inverse variance weighted	248.4355	142	1E-07	Heterogeneity_tests	L_HDL_L	MDD
MR Egger	205.8582	111	1E-07	Heterogeneity_tests	L_HDL_PL_pct	MDD
Inverse variance weighted	200.9537	107	1E-07	Heterogeneity_tests	MDD	ApoA1
MR Egger	198.8578	106	1E-07	Heterogeneity_tests	MDD	HDL_L
Inverse variance weighted	200.7227	107	1E-07	Heterogeneity_tests	MDD	HDL_PL
MR Egger	201.4649	106	1E-07	Heterogeneity_tests	MDD	L_VLDL_CE_pct
MR Egger	198.4867	106	1E-07	Heterogeneity_tests	MDD	M_HDL_CE_pct
Inverse variance weighted	203.0335	107	1E-07	Heterogeneity_tests	MDD	M_HDL_CE_pct
Inverse variance weighted	202.8151	107	1E-07	Heterogeneity_tests	MDD	M_HDL_FC
Inverse variance weighted	202.8205	107	1E-07	Heterogeneity_tests	MDD	M_HDL_TG_pct
MR Egger	201.8232	106	1E-07	Heterogeneity_tests	MDD	Omega_6_pct
MR Egger	199.7033	106	1E-07	Heterogeneity_tests	MDD	S_HDL_FC_pct
Inverse variance weighted	200.7929	107	1E-07	Heterogeneity_tests	MDD	S_HDL_FC_pct
Inverse variance weighted	202.252	107	1E-07	Heterogeneity_tests	MDD	S_HDL_TG_pct
MR Egger	201.3544	106	1E-07	Heterogeneity_tests	MDD	TG_by_PG
MR Egger	200.1753	106	1E-07	Heterogeneity_tests	MDD	VLDL_size
MR Egger	200.3421	106	1E-07	Heterogeneity_tests	MDD	XXL_VLDL_C
Inverse variance weighted	201.9046	107	1E-07	Heterogeneity_tests	MDD	XXL_VLDL_CE
MR Egger	201.309	106	1E-07	Heterogeneity_tests	MDD	XXL_VLDL_FC
MR Egger	199.0081	106	1E-07	Heterogeneity_tests	MDD	XXL_VLDL_L
MR Egger	199.2341	106	1E-07	Heterogeneity_tests	MDD	XXL_VLDL_P
MR Egger	199.7534	106	1E-07	Heterogeneity_tests	MDD	XXL_VLDL_PL
MR Egger	198.2372	106	1E-07	Heterogeneity_tests	MDD	XXL_VLDL_TG
MR Egger	193.8073	102	1E-07	Heterogeneity_tests	M_HDL_C	MDD
Inverse variance weighted	195.7396	103	1E-07	Heterogeneity_tests	M_HDL_C	MDD
MR Egger	219.7198	119	1E-07	Heterogeneity_tests	M_HDL_TG_pct	MDD
Inverse variance weighted	220.1964	120	1E-07	Heterogeneity_tests	M_HDL_TG_pct	MDD
Inverse variance weighted	194.8952	103	1E-07	Heterogeneity_tests	XL_VLDL_CE_pct	MDD
MR Egger	170.9156	87	2E-07	Heterogeneity_tests	HDL_P	MDD
Inverse variance weighted	224.261	126	2E-07	Heterogeneity_tests	HDL_size	MDD
MR Egger	236.866	136	2E-07	Heterogeneity_tests	L_HDL_FC	MDD
Inverse variance weighted	237.7203	137	2E-07	Heterogeneity_tests	L_HDL_FC	MDD
Inverse variance weighted	178.9754	92	2E-07	Heterogeneity_tests	L_HDL_FC_pct	MDD
Inverse variance weighted	206.0338	112	2E-07	Heterogeneity_tests	L_HDL_PL_pct	MDD
MR Egger	245.6161	143	2E-07	Heterogeneity_tests	L_HDL_P	MDD
Inverse variance weighted	246.2729	144	2E-07	Heterogeneity_tests	L_HDL_P	MDD
Inverse variance weighted	197.6529	107	2E-07	Heterogeneity_tests	MDD	M_HDL_P
MR Egger	198.0732	106	2E-07	Heterogeneity_tests	MDD	M_HDL_TG_pct
MR Egger	196.7294	106	2E-07	Heterogeneity_tests	MDD	MUFA
Inverse variance weighted	198.2711	107	2E-07	Heterogeneity_tests	MDD	MUFA
MR Egger	197.696	106	2E-07	Heterogeneity_tests	MDD	S_HDL_TG_pct
MR Egger	196.2483	106	2E-07	Heterogeneity_tests	MDD	XL_HDL_FC_pct
MR Egger	197.786	106	2E-07	Heterogeneity_tests	MDD	XXL_VLDL_CE
MR Egger	218.4015	122	2E-07	Heterogeneity_tests	XL_HDL_FC_pct	MDD
Inverse variance weighted	220.4492	123	2E-07	Heterogeneity_tests	XL_HDL_FC_pct	MDD
MR Egger	190.8252	102	2E-07	Heterogeneity_tests	XL_VLDL_CE_pct	MDD

Inverse variance weighted	171.2451	88	3E-07	Heterogeneity_tests	HDL_P	MDD
MR Egger	175.2863	91	3E-07	Heterogeneity_tests	L_HDL_FC_pct	MDD
Inverse variance weighted	196.5948	107	3E-07	Heterogeneity_tests	MDD	HDL_P
Inverse variance weighted	196.5187	107	3E-07	Heterogeneity_tests	MDD	M_HDL_C
MR Egger	194.5872	106	3E-07	Heterogeneity_tests	MDD	M_HDL_FC
MR Egger	195.8493	106	3E-07	Heterogeneity_tests	MDD	S_VLDL_C_pct
Inverse variance weighted	196.1143	107	3E-07	Heterogeneity_tests	MDD	S_VLDL_C_pct
Inverse variance weighted	197.3065	107	3E-07	Heterogeneity_tests	MDD	VLDL_TG
Inverse variance weighted	197.3122	107	3E-07	Heterogeneity_tests	MDD	XL_VLDL_L
MR Egger	207.8637	115	3E-07	Heterogeneity_tests	M_HDL_CE_pct	MDD
Inverse variance weighted	207.8907	116	3E-07	Heterogeneity_tests	M_HDL_CE_pct	MDD
Inverse variance weighted	194.9265	107	4E-07	Heterogeneity_tests	MDD	Total_TG
Inverse variance weighted	195.3151	107	4E-07	Heterogeneity_tests	MDD	XL_VLDL_P
MR Egger	193.4717	106	5E-07	Heterogeneity_tests	MDD	ApoA1
MR Egger	193.4594	106	5E-07	Heterogeneity_tests	MDD	HDL_TG
Inverse variance weighted	194.5269	107	5E-07	Heterogeneity_tests	MDD	Total_P
MR Egger	191.9656	106	6E-07	Heterogeneity_tests	MDD	HDL_P
MR Egger	191.9628	106	6E-07	Heterogeneity_tests	MDD	HDL_PL
Inverse variance weighted	193.6854	107	6E-07	Heterogeneity_tests	MDD	HDL_TG
Inverse variance weighted	193.9882	107	6E-07	Heterogeneity_tests	MDD	M_HDL_CE
MR Egger	191.377	106	7E-07	Heterogeneity_tests	MDD	Total_P
MR Egger	190.5892	106	9E-07	Heterogeneity_tests	MDD	IDL_C_pct
MR Egger	190.5744	106	9E-07	Heterogeneity_tests	MDD	VLDL_TG
MR Egger	190.1527	106	1E-06	Heterogeneity_tests	MDD	S_LDL_PL_pct
MR Egger	189.8453	106	1.1E-06	Heterogeneity_tests	MDD	Total_TG
Inverse variance weighted	190.601	107	1.2E-06	Heterogeneity_tests	MDD	IDL_C_pct
MR Egger	189.3647	106	1.2E-06	Heterogeneity_tests	MDD	M_HDL_P
MR Egger	194.7631	110	1.2E-06	Heterogeneity_tests	M_HDL_FC_pct	MDD
Inverse variance weighted	190.1777	107	1.3E-06	Heterogeneity_tests	MDD	S_LDL_PL_pct
MR Egger	188.7555	106	1.4E-06	Heterogeneity_tests	MDD	XL_VLDL_L
Inverse variance weighted	194.9434	111	1.5E-06	Heterogeneity_tests	M_HDL_FC_pct	MDD
Inverse variance weighted	189.462	107	1.6E-06	Heterogeneity_tests	MDD	L_VLDL_TG
Inverse variance weighted	189.1552	107	1.7E-06	Heterogeneity_tests	MDD	XL_VLDL_PL
MR Egger	196.6594	113	1.8E-06	Heterogeneity_tests	XL_HDL_PL	MDD
MR Egger	187.3329	106	1.9E-06	Heterogeneity_tests	MDD	XL_VLDL_P
MR Egger	187.0558	106	2E-06	Heterogeneity_tests	MDD	M_HDL_C
Inverse variance weighted	197.6412	114	2E-06	Heterogeneity_tests	XL_HDL_PL	MDD
MR Egger	190.5283	109	2.2E-06	Heterogeneity_tests	HDL_FC	MDD
MR Egger	185.1815	105	2.3E-06	Heterogeneity_tests	XS_VLDL_CE_pct	MDD
MR Egger	186.0057	106	2.6E-06	Heterogeneity_tests	MDD	S_HDL_C_pct
MR Egger	204.1568	120	2.6E-06	Heterogeneity_tests	M_HDL_PL_pct	MDD
MR Egger	216.8222	130	2.7E-06	Heterogeneity_tests	L_HDL_PL	MDD
MR Egger	207.7632	123	2.8E-06	Heterogeneity_tests	TG_by_PG	MDD
Inverse variance weighted	117.4018	56	3E-06	Heterogeneity_tests	Ala	MDD
Inverse variance weighted	190.5622	110	3E-06	Heterogeneity_tests	HDL_FC	MDD
Inverse variance weighted	186.4075	107	3.1E-06	Heterogeneity_tests	MDD	L_VLDL_PL
Inverse variance weighted	185.1897	106	3.1E-06	Heterogeneity_tests	XS_VLDL_CE_pct	MDD
Inverse variance weighted	208.1425	124	3.3E-06	Heterogeneity_tests	TG_by_PG	MDD
MR Egger	115.5326	55	3.4E-06	Heterogeneity_tests	Ala	MDD
Inverse variance weighted	186.0938	107	3.4E-06	Heterogeneity_tests	MDD	S_HDL_C_pct
Inverse variance weighted	204.2047	121	3.4E-06	Heterogeneity_tests	M_HDL_PL_pct	MDD
Inverse variance weighted	216.8845	131	3.5E-06	Heterogeneity_tests	L_HDL_PL	MDD
Inverse variance weighted	185.9072	107	3.5E-06	Heterogeneity_tests	MDD	L_VLDL_PL_pct
MR Egger	184.309	106	3.8E-06	Heterogeneity_tests	MDD	M_HDL_CE
Inverse variance weighted	185.3979	107	3.9E-06	Heterogeneity_tests	MDD	S_VLDL_TG
MR Egger	183.1547	106	4.9E-06	Heterogeneity_tests	MDD	S_VLDL_TG
MR Egger	183.0552	106	5E-06	Heterogeneity_tests	MDD	L_VLDL_PL_pct
MR Egger	182.5227	106	5.6E-06	Heterogeneity_tests	MDD	IDL_FC
Inverse variance weighted	177.7167	103	6.8E-06	Heterogeneity_tests	XL_HDL_P	MDD
Inverse variance weighted	182.857	107	6.9E-06	Heterogeneity_tests	MDD	L_VLDL_L
MR Egger	176.3057	102	7E-06	Heterogeneity_tests	XL_HDL_P	MDD
Inverse variance weighted	182.6962	107	7.2E-06	Heterogeneity_tests	MDD	IDL_FC

MR Egger	183.4453	108	8.1E-06	Heterogeneity_tests	L_HDL_CE_pct	MDD
MR Egger	180.573	106	8.6E-06	Heterogeneity_tests	MDD	XL_VLDL_PL
Inverse variance weighted	181.5257	107	9.2E-06	Heterogeneity_tests	MDD	L_VLDL_P
Inverse variance weighted	186.6848	111	9.2E-06	Heterogeneity_tests	XL_HDL_L	MDD
MR Egger	185.2622	110	9.5E-06	Heterogeneity_tests	XL_HDL_L	MDD
Inverse variance weighted	183.7957	109	9.9E-06	Heterogeneity_tests	L_HDL_CE_pct	MDD
MR Egger	179.8713	106	0.00001	Heterogeneity_tests	MDD	L_VLDL_TG
Inverse variance weighted	180.8697	107	1.1E-05	Heterogeneity_tests	MDD	XL_VLDL_FC
MR Egger	178.19	106	1.4E-05	Heterogeneity_tests	MDD	L_VLDL_PL
MR Egger	197.2193	121	1.5E-05	Heterogeneity_tests	XL_HDL_C	MDD
MR Egger	178.0027	106	1.5E-05	Heterogeneity_tests	MDD	L_LDL_TG_pct
Inverse variance weighted	173.9506	103	1.6E-05	Heterogeneity_tests	XL_VLDL_C_pct	MDD
MR Egger	172.5675	102	1.6E-05	Heterogeneity_tests	XL_VLDL_C_pct	MDD
Inverse variance weighted	197.32	122	1.9E-05	Heterogeneity_tests	XL_HDL_C	MDD
Inverse variance weighted	178.0371	107	2E-05	Heterogeneity_tests	MDD	L_LDL_TG_pct
MR Egger	171.5035	102	2E-05	Heterogeneity_tests	XS_VLDL_C_pct	MDD
Inverse variance weighted	177.0602	107	2.4E-05	Heterogeneity_tests	MDD	M_VLDL_TG
MR Egger	190.8669	118	2.5E-05	Heterogeneity_tests	XL_HDL_TG_pct	MDD
Inverse variance weighted	171.6248	103	2.6E-05	Heterogeneity_tests	XS_VLDL_C_pct	MDD
Inverse variance weighted	176.661	107	2.6E-05	Heterogeneity_tests	MDD	L_VLDL_FC
MR Egger	192.9224	120	2.7E-05	Heterogeneity_tests	S_HDL_TG_pct	MDD
Inverse variance weighted	190.9032	119	3.2E-05	Heterogeneity_tests	XL_HDL_TG_pct	MDD
Inverse variance weighted	193.2505	121	3.3E-05	Heterogeneity_tests	S_HDL_TG_pct	MDD
MR Egger	174.1333	106	3.4E-05	Heterogeneity_tests	MDD	L_VLDL_L
MR Egger	173.7589	106	3.7E-05	Heterogeneity_tests	MDD	L_VLDL_P
MR Egger	143.8299	83	4E-05	Heterogeneity_tests	Total_P	MDD
MR Egger	173.0307	106	4.3E-05	Heterogeneity_tests	MDD	XL_VLDL_FC
Inverse variance weighted	143.8437	84	5.3E-05	Heterogeneity_tests	Total_P	MDD
MR Egger	171.7006	106	5.6E-05	Heterogeneity_tests	MDD	M_LDL_TG_pct
MR Egger	147.2696	87	5.8E-05	Heterogeneity_tests	XL_VLDL_CE	MDD
MR Egger	176.5544	110	5.9E-05	Heterogeneity_tests	VLDL_size	MDD
Inverse variance weighted	148.3337	88	6.1E-05	Heterogeneity_tests	XL_VLDL_CE	MDD
MR Egger	158.5322	96	6.2E-05	Heterogeneity_tests	L_VLDL_PL	MDD
Inverse variance weighted	172.3716	107	6.4E-05	Heterogeneity_tests	MDD	M_LDL_TG_pct
Inverse variance weighted	197.0839	127	6.7E-05	Heterogeneity_tests	HDL_CE	MDD
MR Egger	170.8289	106	6.7E-05	Heterogeneity_tests	MDD	M_VLDL_TG
MR Egger	183.334	116	6.8E-05	Heterogeneity_tests	S_HDL_TG	MDD
Inverse variance weighted	176.739	111	7.3E-05	Heterogeneity_tests	VLDL_size	MDD
Inverse variance weighted	183.8845	117	7.8E-05	Heterogeneity_tests	S_HDL_TG	MDD
Inverse variance weighted	158.6814	97	7.9E-05	Heterogeneity_tests	L_VLDL_PL	MDD
MR Egger	153.5581	93	7.9E-05	Heterogeneity_tests	S_VLDL_L	MDD
MR Egger	155.9823	95	8.1E-05	Heterogeneity_tests	L_VLDL_P	MDD
Inverse variance weighted	148.2652	89	8.2E-05	Heterogeneity_tests	L_VLDL_C	MDD
MR Egger	164.7877	102	8.2E-05	Heterogeneity_tests	IDL_C_pct	MDD
MR Egger	194.6361	126	8.5E-05	Heterogeneity_tests	HDL_CE	MDD
MR Egger	178.3531	113	8.7E-05	Heterogeneity_tests	L_HDL_TG_pct	MDD
MR Egger	145.2057	87	9.2E-05	Heterogeneity_tests	PUFA_by_MUFA	MDD
MR Egger	146.4466	88	9.2E-05	Heterogeneity_tests	L_VLDL_C	MDD
Inverse variance weighted	153.9157	94	9.6E-05	Heterogeneity_tests	S_VLDL_L	MDD
Inverse variance weighted	170.2508	107	9.8E-05	Heterogeneity_tests	MDD	S_LDL_TG
Inverse variance weighted	166.4637	104	9.8E-05	Heterogeneity_tests	S_LDL_TG_pct	MDD
MR Egger	168.9391	106	9.9E-05	Heterogeneity_tests	MDD	IDL_C
Inverse variance weighted	156.033	96	0.0001	Heterogeneity_tests	L_VLDL_P	MDD
Inverse variance weighted	164.8308	103	0.00011	Heterogeneity_tests	IDL_C_pct	MDD
MR Egger	168.5391	106	0.00011	Heterogeneity_tests	MDD	L_VLDL_FC
Inverse variance weighted	145.646	88	0.00011	Heterogeneity_tests	PUFA_by_MUFA	MDD
Inverse variance weighted	150.7398	92	0.00011	Heterogeneity_tests	HDL_TG	MDD
Inverse variance weighted	178.3535	114	0.00011	Heterogeneity_tests	L_HDL_TG_pct	MDD
MR Egger	151.8042	93	0.00011	Heterogeneity_tests	L_VLDL_FC	MDD
MR Egger	164.403	103	0.00012	Heterogeneity_tests	S_LDL_TG_pct	MDD
Inverse variance weighted	169.2026	107	0.00012	Heterogeneity_tests	MDD	IDL_C
MR Egger	115.3412	65	0.00012	Heterogeneity_tests	LA_pct	MDD

Inverse variance weighted	152.6594	94	0.00012	Heterogeneity_tests	L_VLDL_FC	MDD
MR Egger	167.5129	106	0.00013	Heterogeneity_tests	MDD	S_LDL_TG
MR Egger	152.2761	94	0.00014	Heterogeneity_tests	XXL_VLDL_CE	MDD
Inverse variance weighted	168.4597	107	0.00014	Heterogeneity_tests	MDD	VLDL_L
MR Egger	148.2113	91	0.00014	Heterogeneity_tests	HDL_TG	MDD
Inverse variance weighted	115.3413	66	0.00017	Heterogeneity_tests	LA_pct	MDD
Inverse variance weighted	139.8602	85	0.00017	Heterogeneity_tests	VLDL_FC	MDD
MR Egger	138.3794	84	0.00017	Heterogeneity_tests	VLDL_FC	MDD
Inverse variance weighted	152.2852	95	0.00017	Heterogeneity_tests	XXL_VLDL_CE	MDD
Inverse variance weighted	142.6976	88	0.0002	Heterogeneity_tests	M_VLDL_FC_pct	MDD
MR Egger	165.0257	106	0.00021	Heterogeneity_tests	MDD	Total_CE
Inverse variance weighted	183.3461	121	0.00022	Heterogeneity_tests	HDL_C	MDD
MR Egger	140.8686	87	0.00023	Heterogeneity_tests	M_VLDL_FC_pct	MDD
Inverse variance weighted	165.8071	107	0.00023	Heterogeneity_tests	MDD	XL_VLDL_C
MR Egger	164.4896	106	0.00024	Heterogeneity_tests	MDD	XS_VLDL_TG
MR Egger	164.35	106	0.00024	Heterogeneity_tests	MDD	IDL_CE
MR Egger	181.4919	120	0.00025	Heterogeneity_tests	HDL_C	MDD
MR Egger	156.7372	100	0.00025	Heterogeneity_tests	XXL_VLDL_PL	MDD
Inverse variance weighted	165.3655	107	0.00025	Heterogeneity_tests	MDD	XS_VLDL_TG
Inverse variance weighted	157.8193	101	0.00026	Heterogeneity_tests	XXL_VLDL_PL	MDD
Inverse variance weighted	165.0267	107	0.00027	Heterogeneity_tests	MDD	Total_CE
Inverse variance weighted	164.6486	107	0.00029	Heterogeneity_tests	MDD	IDL_CE
MR Egger	155.583	100	0.00031	Heterogeneity_tests	M_LDL_TG	MDD
MR Egger	162.0544	106	0.00038	Heterogeneity_tests	MDD	VLDL_L
Inverse variance weighted	124.5279	76	0.00038	Heterogeneity_tests	Total_CE	MDD
MR Egger	171.7486	114	0.00039	Heterogeneity_tests	M_HDL_C_pct	MDD
MR Egger	149.5455	96	0.00039	Heterogeneity_tests	MUFA_pct	MDD
Inverse variance weighted	155.6433	101	0.00039	Heterogeneity_tests	M_LDL_TG	MDD
MR Egger	161.478	106	0.00042	Heterogeneity_tests	XL_HDL_FC	MDD
Inverse variance weighted	162.409	107	0.00044	Heterogeneity_tests	XL_HDL_FC	MDD
MR Egger	161.0962	106	0.00045	Heterogeneity_tests	MDD	IDL_L
Inverse variance weighted	149.7387	97	0.00047	Heterogeneity_tests	MUFA_pct	MDD
Inverse variance weighted	171.7554	115	0.00048	Heterogeneity_tests	M_HDL_C_pct	MDD
MR Egger	158.1691	104	0.00049	Heterogeneity_tests	S_LDL_TG	MDD
MR Egger	121.71	75	0.00053	Heterogeneity_tests	Total_CE	MDD
Inverse variance weighted	161.4142	107	0.00053	Heterogeneity_tests	MDD	IDL_L
Inverse variance weighted	161.3163	107	0.00054	Heterogeneity_tests	MDD	L_VLDL_C
Inverse variance weighted	138.9221	89	0.00056	Heterogeneity_tests	MUFA	MDD
MR Egger	142.5384	92	0.00058	Heterogeneity_tests	IDL_CE_pct	MDD
Inverse variance weighted	158.3034	105	0.0006	Heterogeneity_tests	S_LDL_TG	MDD
MR Egger	136.5003	88	0.00071	Heterogeneity_tests	MUFA	MDD
Inverse variance weighted	142.6645	93	0.00071	Heterogeneity_tests	IDL_CE_pct	MDD
MR Egger	158.4556	106	0.00073	Heterogeneity_tests	MDD	IDL_CE_pct
MR Egger	157.2003	105	0.00074	Heterogeneity_tests	XL_VLDL_P	MDD
MR Egger	144.6359	95	0.00078	Heterogeneity_tests	IDL_TG	MDD
MR Egger	117.1816	73	0.0008	Heterogeneity_tests	IDL_L	MDD
MR Egger	157.953	106	0.0008	Heterogeneity_tests	MDD	XL_VLDL_C
Inverse variance weighted	148.1875	98	0.0008	Heterogeneity_tests	M_VLDL_TG_pct	MDD
MR Egger	142.9286	94	0.00086	Heterogeneity_tests	M_VLDL_TG	MDD
MR Egger	178.0626	123	0.00087	Heterogeneity_tests	XL_HDL_CE	MDD
Inverse variance weighted	145.1312	96	0.0009	Heterogeneity_tests	IDL_TG	MDD
Inverse variance weighted	158.4774	107	0.00091	Heterogeneity_tests	MDD	IDL_CE_pct
Inverse variance weighted	157.2026	106	0.00092	Heterogeneity_tests	XL_VLDL_P	MDD
MR Egger	155.8374	105	0.00095	Heterogeneity_tests	L_VLDL_PL_pct	MDD
Inverse variance weighted	117.2756	74	0.00101	Heterogeneity_tests	IDL_L	MDD
Inverse variance weighted	178.2206	124	0.00103	Heterogeneity_tests	XL_HDL_CE	MDD
MR Egger	147.8664	99	0.00107	Heterogeneity_tests	XXL_VLDL_FC	MDD
Inverse variance weighted	142.975	95	0.00107	Heterogeneity_tests	M_VLDL_TG	MDD
MR Egger	137.7977	91	0.00113	Heterogeneity_tests	S_VLDL_FC_pct	MDD
Inverse variance weighted	156.0444	106	0.00113	Heterogeneity_tests	L_VLDL_PL_pct	MDD
Inverse variance weighted	148.4107	100	0.00121	Heterogeneity_tests	XXL_VLDL_FC	MDD
Inverse variance weighted	137.3051	91	0.00124	Heterogeneity_tests	L_VLDL_CE_pct	MDD

Inverse variance weighted	138.4031	92	0.00127	Heterogeneity_tests	S_VLDL_FC_pct	MDD
Inverse variance weighted	152.3168	104	0.00143	Heterogeneity_tests	Total_TG	MDD
MR Egger	144.6928	98	0.00152	Heterogeneity_tests	S_VLDL_P	MDD
Inverse variance weighted	125.0619	82	0.00155	Heterogeneity_tests	Sphingomyelins	MDD
MR Egger	154.0553	106	0.00161	Heterogeneity_tests	MDD	L_VLDL_C
MR Egger	134.5153	90	0.00166	Heterogeneity_tests	L_VLDL_CE_pct	MDD
Inverse variance weighted	145.3191	99	0.00169	Heterogeneity_tests	S_VLDL_P	MDD
MR Egger	156.0817	108	0.00171	Heterogeneity_tests	XL_VLDL_TG	MDD
MR Egger	109.5437	70	0.00177	Heterogeneity_tests	PUFA_pct	MDD
MR Egger	103.2693	65	0.00177	Heterogeneity_tests	S_LDL_PL_pct	MDD
MR Egger	126.7342	84	0.0018	Heterogeneity_tests	XL_VLDL_C	MDD
MR Egger	142.534	97	0.00181	Heterogeneity_tests	XXL_VLDL_L	MDD
MR Egger	149.5901	103	0.00186	Heterogeneity_tests	Total_TG	MDD
MR Egger	144.7549	99	0.00187	Heterogeneity_tests	XXL_VLDL_C	MDD
MR Egger	127.708	85	0.00189	Heterogeneity_tests	XL_VLDL_TG_pct	MDD
Inverse variance weighted	128.8796	86	0.00191	Heterogeneity_tests	XL_VLDL_TG_pct	MDD
Inverse variance weighted	156.4748	109	0.00196	Heterogeneity_tests	XL_VLDL_TG	MDD
MR Egger	140.8476	96	0.00197	Heterogeneity_tests	XXL_VLDL_P	MDD
MR Egger	142.0097	97	0.00198	Heterogeneity_tests	M_VLDL_TG_pct	MDD
Inverse variance weighted	127.326	85	0.00203	Heterogeneity_tests	XL_VLDL_C	MDD
Inverse variance weighted	142.9299	98	0.00209	Heterogeneity_tests	XXL_VLDL_L	MDD
Inverse variance weighted	153.6003	107	0.00213	Heterogeneity_tests	MDD	VLDL_PL
MR Egger	167.7005	119	0.0022	Heterogeneity_tests	L_HDL_C_pct	MDD
Inverse variance weighted	109.6683	71	0.00221	Heterogeneity_tests	PUFA_pct	MDD
Inverse variance weighted	103.4139	66	0.00223	Heterogeneity_tests	S_LDL_PL_pct	MDD
Inverse variance weighted	144.7711	100	0.0023	Heterogeneity_tests	XXL_VLDL_C	MDD
Inverse variance weighted	148.3309	103	0.00232	Heterogeneity_tests	M_VLDL_CE_pct	MDD
Inverse variance weighted	140.9529	97	0.00239	Heterogeneity_tests	XXL_VLDL_P	MDD
MR Egger	121.5318	81	0.0024	Heterogeneity_tests	Sphingomyelins	MDD
Inverse variance weighted	146.7829	102	0.00246	Heterogeneity_tests	M_VLDL_C_pct	MDD
Inverse variance weighted	167.9963	120	0.00253	Heterogeneity_tests	L_HDL_C_pct	MDD
MR Egger	145.2575	101	0.0026	Heterogeneity_tests	M_VLDL_C_pct	MDD
Inverse variance weighted	147.5161	103	0.00266	Heterogeneity_tests	VLDL_TG	MDD
MR Egger	126.7386	86	0.00282	Heterogeneity_tests	VLDL_PL	MDD
MR Egger	145.8732	102	0.00287	Heterogeneity_tests	M_VLDL_CE_pct	MDD
Inverse variance weighted	151.8037	107	0.00288	Heterogeneity_tests	MDD	M_LDL_TG
Inverse variance weighted	127.7249	87	0.00294	Heterogeneity_tests	VLDL_PL	MDD
MR Egger	145.524	102	0.00305	Heterogeneity_tests	VLDL_TG	MDD
MR Egger	136.9262	95	0.00317	Heterogeneity_tests	S_VLDL_PL_pct	MDD
Inverse variance weighted	129.6843	89	0.00319	Heterogeneity_tests	L_VLDL_CE	MDD
MR Egger	149.9293	106	0.00323	Heterogeneity_tests	MDD	M_LDL_TG
Inverse variance weighted	151.0752	107	0.00325	Heterogeneity_tests	MDD	XXL_VLDL_PL_pct
MR Egger	150.964	107	0.00331	Heterogeneity_tests	XL_VLDL_L	MDD
MR Egger	108.8109	72	0.00332	Heterogeneity_tests	IDL_FC	MDD
Inverse variance weighted	137.0132	96	0.00383	Heterogeneity_tests	S_VLDL_PL_pct	MDD
Inverse variance weighted	109.2505	73	0.00386	Heterogeneity_tests	IDL_FC	MDD
Inverse variance weighted	151.1418	108	0.0039	Heterogeneity_tests	XL_VLDL_L	MDD
MR Egger	149.919	107	0.00393	Heterogeneity_tests	XS_VLDL_TG	MDD
Inverse variance weighted	149.8125	107	0.004	Heterogeneity_tests	MDD	XL_VLDL_CE
MR Egger	148.4705	106	0.00411	Heterogeneity_tests	MDD	XXL_VLDL_PL_pct
MR Egger	126.9877	88	0.00415	Heterogeneity_tests	L_VLDL_CE	MDD
Inverse variance weighted	122.9055	85	0.00452	Heterogeneity_tests	M_HDL_TG	MDD
MR Egger	128.7289	90	0.00465	Heterogeneity_tests	L_VLDL_L	MDD
MR Egger	147.7012	106	0.00465	Heterogeneity_tests	MDD	VLDL_PL
Inverse variance weighted	149.938	108	0.00474	Heterogeneity_tests	XS_VLDL_TG	MDD
Inverse variance weighted	148.7033	107	0.00478	Heterogeneity_tests	MDD	L_VLDL_CE
MR Egger	134.4681	95	0.00482	Heterogeneity_tests	XL_VLDL_PL	MDD
Inverse variance weighted	135.544	96	0.00491	Heterogeneity_tests	XL_VLDL_PL	MDD
MR Egger	128.1853	90	0.0051	Heterogeneity_tests	XL_VLDL_FC	MDD
Inverse variance weighted	129.3366	91	0.00513	Heterogeneity_tests	L_VLDL_L	MDD
MR Egger	120.6561	84	0.00543	Heterogeneity_tests	M_HDL_TG	MDD
MR Egger	132.5586	94	0.00544	Heterogeneity_tests	L_LDL_TG_pct	MDD

Inverse variance weighted	128.659	91	0.00575	Heterogeneity_tests	XL_VLDL_FC	MDD
Inverse variance weighted	133.1823	95	0.00597	Heterogeneity_tests	L_LDL_TG_pct	MDD
MR Egger	109.8712	76	0.0067	Heterogeneity_tests	IDL_CE	MDD
MR Egger	144.7668	106	0.00739	Heterogeneity_tests	S_VLDL_TG	MDD
Inverse variance weighted	145.7819	107	0.00756	Heterogeneity_tests	S_VLDL_TG	MDD
MR Egger	144.1183	106	0.00816	Heterogeneity_tests	MDD	IDL_TG
Inverse variance weighted	109.8832	77	0.00825	Heterogeneity_tests	IDL_CE	MDD
Inverse variance weighted	145.0994	107	0.00839	Heterogeneity_tests	MDD	VLDL_FC
Inverse variance weighted	100.18603	69	0.00842	Heterogeneity_tests	Unsaturation	MDD
Inverse variance weighted	145.0349	107	0.00848	Heterogeneity_tests	MDD	S_VLDL_L
Inverse variance weighted	144.7795	107	0.00881	Heterogeneity_tests	MDD	IDL_TG
Inverse variance weighted	144.7476	107	0.00885	Heterogeneity_tests	MDD	S_VLDL_P
MR Egger	134.1435	98	0.00901	Heterogeneity_tests	L_VLDL_TG	MDD
MR Egger	142.5843	106	0.0103	Heterogeneity_tests	MDD	XL_VLDL_CE
MR Egger	142.5219	106	0.0104	Heterogeneity_tests	MDD	L_VLDL_CE
Inverse variance weighted	134.2897	99	0.01056	Heterogeneity_tests	L_VLDL_TG	MDD
MR Egger	133.9465	99	0.01113	Heterogeneity_tests	XS_VLDL_TG_pct	MDD
MR Egger	104.4001	74	0.01148	Heterogeneity_tests	IDL_C	MDD
Inverse variance weighted	134.5772	100	0.01206	Heterogeneity_tests	XS_VLDL_TG_pct	MDD
MR Egger	115.6377	84	0.01261	Heterogeneity_tests	S_HDL_FC_pct	MDD
MR Egger	141.2209	106	0.01261	Heterogeneity_tests	MDD	S_VLDL_L
MR Egger	141.1155	106	0.01281	Heterogeneity_tests	MDD	Ala
MR Egger	140.8013	106	0.01341	Heterogeneity_tests	MDD	S_VLDL_P
Inverse variance weighted	104.4018	75	0.01403	Heterogeneity_tests	IDL_C	MDD
Inverse variance weighted	116.1253	85	0.01407	Heterogeneity_tests	S_HDL_FC_pct	MDD
Inverse variance weighted	70.74003	47	0.01415	Heterogeneity_tests	Citrate	MDD
Inverse variance weighted	141.4716	107	0.01438	Heterogeneity_tests	MDD	Ala
MR Egger	69.28695	46	0.01481	Heterogeneity_tests	Citrate	MDD
MR Egger	95.63135	68	0.01525	Heterogeneity_tests	Unsaturation	MDD
Inverse variance weighted	140.9114	107	0.01558	Heterogeneity_tests	MDD	M_VLDL_L
MR Egger	139.4552	106	0.01629	Heterogeneity_tests	MDD	VLDL_FC
Inverse variance weighted	140.3049	107	0.01699	Heterogeneity_tests	MDD	XS_VLDL_PL_pct
MR Egger	115.7518	86	0.0179	Heterogeneity_tests	VLDL_L	MDD
Inverse variance weighted	116.4323	87	0.01926	Heterogeneity_tests	VLDL_L	MDD
MR Egger	137.3432	106	0.02192	Heterogeneity_tests	MDD	XS_VLDL_PL_pct
MR Egger	106.9872	81	0.02819	Heterogeneity_tests	M_VLDL_L	MDD
MR Egger	135.4171	106	0.02847	Heterogeneity_tests	MDD	M_VLDL_L
MR Egger	107.7048	82	0.03006	Heterogeneity_tests	XL_VLDL_FC_pct	MDD
Inverse variance weighted	107.3726	82	0.03157	Heterogeneity_tests	M_VLDL_L	MDD
Inverse variance weighted	108.2014	83	0.03306	Heterogeneity_tests	XL_VLDL_FC_pct	MDD
MR Egger	87.67621	67	0.0459	Heterogeneity_tests	IDL_FC_pct	MDD
Inverse variance weighted	88.41712	68	0.04877	Heterogeneity_tests	IDL_FC_pct	MDD
MR Egger	92.63456	72	0.05128	Heterogeneity_tests	XS_VLDL_FC_pct	MDD
MR Egger	107.1118	85	0.05284	Heterogeneity_tests	XS_VLDL_PL_pct	MDD
Inverse variance weighted	92.67784	73	0.05989	Heterogeneity_tests	XS_VLDL_FC_pct	MDD
Inverse variance weighted	107.142	86	0.06104	Heterogeneity_tests	XS_VLDL_PL_pct	MDD
MR Egger	126.4409	106	0.0857	Heterogeneity_tests	MDD	Citrate
Inverse variance weighted	126.8679	107	0.09224	Heterogeneity_tests	MDD	Citrate
MR Egger	96.90448	80	0.09607	Heterogeneity_tests	Omega_6_pct	MDD
Inverse variance weighted	97.07442	81	0.10758	Heterogeneity_tests	Omega_6_pct	MDD
MR Egger	123.0445	106	0.12335	Heterogeneity_tests	MDD	Pyruvate
Inverse variance weighted	100.21337	85	0.12423	Heterogeneity_tests	M_LDL_TG_pct	MDD
MR Egger	99.05155	84	0.12526	Heterogeneity_tests	M_LDL_TG_pct	MDD
MR Egger	94.08053	80	0.1344	Heterogeneity_tests	S_VLDL_C_pct	MDD
Inverse variance weighted	123.147	107	0.13616	Heterogeneity_tests	MDD	Pyruvate
MR Egger	105.4789	91	0.14233	Heterogeneity_tests	XXL_VLDL_TG	MDD
Inverse variance weighted	94.08669	81	0.15168	Heterogeneity_tests	S_VLDL_C_pct	MDD
Inverse variance weighted	105.518	92	0.15862	Heterogeneity_tests	XXL_VLDL_TG	MDD
MR Egger	90.82898	81	0.21332	Heterogeneity_tests	S_HDL_C_pct	MDD
Inverse variance weighted	91.34875	82	0.22495	Heterogeneity_tests	S_HDL_C_pct	MDD
MR Egger	37.29465	32	0.23859	Heterogeneity_tests	Pyruvate	MDD
MR Egger	100.9931	92	0.24468	Heterogeneity_tests	S_VLDL_TG_pct	MDD

Inverse variance weighted	101.0899	93	0.26587	Heterogeneity_tests	S_VLDL_TG_pct	MDD
Inverse variance weighted	37.58517	33	0.26715	Heterogeneity_tests	Pyruvate	MDD
MR Egger	59.19662	54	0.29165	Heterogeneity_tests	XXL_VLDL_PL_pct	MDD
Inverse variance weighted	60.12855	55	0.29539	Heterogeneity_tests	XXL_VLDL_PL_pct	MDD

eTable 9. Correlation between MDD and Microbiome metabolic signatures

microbe	id	beta_lmm	se_lmm	pval_lmm	beta_lmm_mdd	se_lmm_mdd	pval_lmm_mdd	Corr_lmm	T_corr_lmm	P_corr	FDR_corr
ChristensenellaceaeR7group	genus.ChristensenellaceaeR7group.id.11283	-0.4549	0.0694	3.55E-04	-1.0906	0.1587	3.31E-04	-0.7043	11.5288	7.82E-22	2.46E-19
Christensenellaceae	family.Christensenellaceae.id.1866	-0.4147	0.0585	1.69E-04	-1.1043	0.1684	5.46E-04	-0.6767	10.6799	1.12E-19	1.76E-17
Ruminiclostridium6	genus.Ruminiclostridium6.id.11356	-0.6898	0.1181	2.65E-04	-0.6308	0.0675	1.48E-08	-0.6596	10.1974	1.86E-18	1.58E-16
LachnospiraceaeNC2004group	genus.LachnospiraceaeNC2004group.id.11316	-0.6311	0.0814	2.86E-07	-0.6885	0.1075	4.73E-03	-0.6592	10.1847	2.00E-18	1.58E-16
Eubacteriumxylanophilumgroup	genus..Eubacteriumxylanophilumgroup.id.14375	-0.5621	0.0789	1.67E-03	-0.7487	0.0914	4.77E-02	-0.6487	9.9048	1.02E-17	4.59E-16
Coprococcus1	genus.Coprococcus1.id.11301	-0.9752	0.1136	3.57E-05	-0.4204	0.0497	3.11E-08	-0.6403	9.6861	3.60E-17	1.42E-15
RuminococcaceaeUCG014	genus.RuminococcaceaeUCG014.id.11371	-0.4728	0.0625	9.33E-04	-0.8558	0.1024	3.42E-04	-0.6361	9.5783	6.71E-17	2.35E-15
LachnospiraceaeAC2044group	genus.LachnospiraceaeAC2044group.id.11313	-1.0770	0.2874	3.48E-03	-0.3637	0.0978	4.34E-02	-0.6258	9.3231	2.91E-16	8.36E-15
RuminococcaceaeUCG005	genus.RuminococcaceaeUCG005.id.11363	-0.3990	0.0558	3.19E-09	-0.9816	0.1668	1.73E-03	-0.6258	9.3222	2.92E-16	8.36E-15
RuminococcaceaeUCG009	genus.RuminococcaceaeUCG009.id.11366	-1.0430	0.1394	6.89E-04	-0.3519	0.0684	2.36E-03	-0.6058	8.8470	4.40E-15	1.07E-13
RuminococcaceaeUCG007	genus.RuminococcaceaeUCG007.id.11364	-0.8979	0.1125	1.19E-08	-0.4037	0.0903	3.96E-03	-0.6020	8.7608	7.16E-15	1.61E-13
Lachnoclostridium	genus.Lachnoclostridium.id.11308	0.5713	0.0644	1.14E-05	0.6307	0.0832	2.62E-04	0.6003	8.7210	8.97E-15	1.88E-13
Ruminococcaceae	family.Ruminococcaceae.id.2050	-0.5702	0.0862	6.81E-09	-0.6239	0.0964	1.29E-03	-0.5965	8.6347	1.46E-14	2.87E-13
FamilyXIIIAD3011group	genus.FamilyXIIIAD3011group.id.11293	-0.7506	0.1458	1.04E-04	-0.4632	0.1404	1.79E-02	-0.5896	8.4816	3.45E-14	6.39E-13
Thermoanaerobacteraceae	family.Thermoanaerobacteraceae.id.2126	-1.0077	0.1266	7.44E-10	-0.3421	0.0387	7.25E-04	-0.5871	8.4270	4.69E-14	8.21E-13
Clostridiaceae1	family.Clostridiaceae1.id.1869	-0.4221	0.0608	1.45E-06	-0.8140	0.1510	6.21E-04	-0.5861	8.4057	5.28E-14	8.75E-13
Ruminococcus1	genus.Ruminococcus1.id.11373	-0.5564	0.0919	3.43E-07	-0.6110	0.0951	1.60E-03	-0.5831	8.3395	7.64E-14	1.20E-12
Gelria	genus.Gelria.id.2134	-1.0022	0.1249	1.77E-10	-0.3385	0.0376	9.71E-04	-0.5825	8.3256	8.26E-14	1.24E-12
Clostridiumsensustricto1	genus.Clostridiumsensustricto1.id.1873	-0.4102	0.0581	1.29E-06	-0.8199	0.1528	8.71E-04	-0.5799	8.2714	1.12E-13	1.48E-12
Terrisporobacter	genus.Terrisporobacter.id.11348	-0.4810	0.0571	3.69E-11	-0.6977	0.1111	1.77E-03	-0.5793	8.2570	1.21E-13	1.52E-12
RuminococcaceaeUCG010	genus.RuminococcaceaeUCG010.id.11367	-0.3760	0.0538	2.35E-10	-0.8770	0.1197	4.57E-04	-0.5742	8.1499	2.19E-13	2.65E-12
RuminococcaceaeNK4A214group	genus.RuminococcaceaeNK4A214group.id.11358	-0.4209	0.0600	3.33E-10	-0.7534	0.0879	3.86E-03	-0.5631	7.9172	7.91E-13	9.03E-12
Anaerotruncus	genus.Anaerotruncus.id.2054	-0.5188	0.0738	8.75E-10	-0.6109	0.1140	9.26E-04	-0.5630	7.9145	8.03E-13	9.03E-12
Ruminococcusgnavusgroup	genus..Ruminococcusgnavusgroup.id.14376	0.5584	0.1033	7.35E-05	0.5620	0.1207	9.85E-04	0.5602	7.8573	1.10E-12	1.19E-11
RuminococcaceaeUCG002	genus.RuminococcaceaeUCG002.id.11360	-0.3440	0.0569	4.55E-06	-0.8875	0.1678	1.01E-03	-0.5525	7.7024	2.56E-12	2.69E-11
Flavonifractor	genus.Flavonifractor.id.2059	0.5967	0.1001	1.37E-06	0.5025	0.1006	1.15E-03	0.5475	7.6028	4.39E-12	4.46E-11
Christensenella	genus.Christensenella.id.1867	0.9550	0.2145	3.53E-03	0.3034	0.0600	3.82E-03	0.5383	7.4213	1.17E-11	1.15E-10
Fusobacteriaceae	family.Fusobacteriaceae.id.2208	0.7981	0.1198	1.83E-02	0.3584	0.0949	2.88E-02	0.5348	7.3547	1.67E-11	1.59E-10
Coprococcus2	genus.Coprococcus2.id.11302	-0.4615	0.0758	1.72E-08	-0.6180	0.1260	2.46E-03	-0.5340	7.3390	1.81E-11	1.68E-10
RuminococcaceaeUCG003	genus.RuminococcaceaeUCG003.id.11361	-0.4026	0.0819	6.27E-05	-0.7059	0.1254	1.23E-03	-0.5331	7.3208	2.00E-11	1.80E-10
Marvinbryantia	genus.Marvinbryantia.id.2005	-0.6872	0.0930	6.08E-09	-0.4107	0.0594	4.33E-03	-0.5312	7.2855	2.41E-11	2.11E-10
RuminococcaceaeV9D2013group	genus.RuminococcaceaeV9D2013group.id.11372	-0.7455	0.1236	6.87E-08	-0.3735	0.0667	3.23E-03	-0.5277	7.2183	3.45E-11	2.94E-10
Eggerthella	genus.Eggerthella.id.819	0.6266	0.1196	7.72E-05	0.4375	0.1153	1.21E-02	0.5236	7.1401	5.22E-11	4.33E-10
Subdoligranulum	genus.Subdoligranulum.id.2070	-1.0483	0.2030	3.66E-03	-0.2598	0.0507	8.14E-03	-0.5219	7.1089	6.15E-11	4.97E-10
LachnospiraceaeNK4A136group	genus.LachnospiraceaeNK4A136group.id.11319	-0.6930	0.1353	4.62E-05	-0.3926	0.0745	6.09E-04	-0.5216	7.1034	6.33E-11	4.98E-10
Intestinibacter	genus.Intestinibacter.id.11345	-0.5059	0.0688	4.48E-11	-0.5370	0.1103	3.25E-03	-0.5212	7.0967	6.56E-11	5.04E-10
Caproiciproducens	genus.Caproiciproducens.id.14382	-0.8789	0.1273	3.29E-09	-0.3070	0.0766	3.80E-03	-0.5195	7.0634	7.81E-11	5.86E-10
ClostridialesvadinBB60group	family.ClostridialesvadinBB60group.id.11286	-0.4517	0.0707	2.19E-08	-0.5894	0.0751	4.09E-05	-0.5160	6.9988	1.10E-10	7.70E-10
Romboutsia	genus.Romboutsia.id.11347	-0.4785	0.0636	1.10E-11	-0.5564	0.1005	1.37E-03	-0.5160	6.9984	1.10E-10	7.70E-10
Intestinimonas	genus.Intestinimonas.id.2062	-0.7245	0.2015	1.42E-02	-0.3661	0.0509	1.28E-04	-0.5150	6.9806	1.21E-10	8.29E-10
Megamonas	genus.Megamonas.id.2184	0.5076	0.1177	9.86E-03	0.5119	0.0711	2.24E-06	0.5098	6.8848	1.99E-10	1.33E-09
Turicibacter	genus.Turicibacter.id.2162	-0.4504	0.0671	8.28E-07	-0.5739	0.0871	2.34E-06	-0.5084	6.8601	2.26E-10	1.48E-09

Faecalitalea	genus.Faecalitalea.id.11392	0.8681	0.2020	8.28E-04	0.2951	0.0978	1.28E-02	0.5061	6.8186	2.80E-10	1.80E-09
Oxalobacteraceae	family.Oxalobacteraceae.id.2966	-0.4509	0.0791	9.89E-07	-0.5666	0.1144	2.58E-03	-0.5055	6.8067	2.98E-10	1.88E-09
Peptostreptococcaceae	family.Peptostreptococcaceae.id.2042	-0.5191	0.0678	5.73E-10	-0.4900	0.0987	1.47E-03	-0.5043	6.7859	3.32E-10	2.05E-09
Desulfovibrionaceae	family.Desulfovibrionaceae.id.3169	-0.8813	0.2752	1.10E-02	-0.2849	0.1076	3.01E-02	-0.5011	6.7282	4.47E-10	2.71E-09
BacteroidalesS247group	family.BacteroidalesS247group.id.11173	-0.7184	0.1906	1.24E-02	-0.3430	0.0987	1.29E-02	-0.4964	6.6438	6.89E-10	4.02E-09
Cellulosilyticum	genus.Cellulosilyticum.id.1995	-0.8050	0.1266	5.09E-09	-0.3041	0.0496	2.65E-03	-0.4948	6.6153	7.97E-10	4.56E-09
Senegalimassilia	genus.Senegalimassilia.id.11160	-0.7631	0.1573	4.27E-05	-0.3186	0.0571	1.04E-03	-0.4930	6.5843	9.33E-10	5.25E-09
Ruminococcustorquesgroup	genus..Ruminococcustorquesgroup.id.14377	0.4605	0.1285	1.51E-02	0.5252	0.1236	3.89E-03	0.4918	6.5623	1.04E-09	5.61E-09
Eubacteriumruminantiumgroup	genus..Eubacteriumruminantiumgroup.id.11340	-0.7105	0.1160	2.23E-08	-0.3388	0.0695	2.78E-03	-0.4906	6.5417	1.16E-09	6.09E-09
Parvibacter	genus.Parvibacter.id.824	-0.9893	0.1855	1.44E-05	-0.2431	0.0542	3.37E-03	-0.4904	6.5388	1.18E-09	6.09E-09
Lactonifactor	genus.Lactonifactor.id.11332	0.6629	0.1276	9.71E-06	0.3615	0.0589	2.38E-02	0.4896	6.5233	1.27E-09	6.45E-09
Eubacteriumeligensgroup	genus..Eubacteriumeligensgroup.id.14372	-0.3853	0.1053	4.57E-03	-0.6143	0.1066	5.79E-04	-0.4865	6.4699	1.67E-09	8.35E-09
Anaerofustis	genus.Anaerofustis.id.1931	0.6431	0.2136	9.94E-03	0.3646	0.0937	2.68E-03	0.4842	6.4298	2.04E-09	1.00E-08
RuminococcaceaeUCG008	genus.RuminococcaceaeUCG008.id.11365	-0.5246	0.1125	4.19E-04	-0.4456	0.1011	2.31E-03	-0.4835	6.4177	2.17E-09	1.05E-08
Fusobacterium	genus.Fusobacterium.id.2210	0.7839	0.1264	7.13E-09	0.2951	0.1058	3.44E-02	0.4809	6.3735	2.71E-09	1.29E-08
Olsenella	genus.Olsenella.id.822	-0.4951	0.0856	6.16E-07	-0.4585	0.0864	1.01E-02	-0.4764	6.2963	3.98E-09	1.87E-08
Hydrogenoanaerobacterium	genus.Hydrogenoanaerobacterium.id.2060	-0.7817	0.1281	3.12E-07	-0.2881	0.0431	2.15E-08	-0.4746	6.2648	4.66E-09	2.13E-08
Varibaculum	genus.Varibaculum.id.427	0.9230	0.1971	8.57E-06	0.2440	0.0441	1.25E-02	0.4746	6.2646	4.66E-09	2.13E-08
Eubacteriumtenuegroup	genus..Eubacteriumtenuegroup.id.14380	-0.8376	0.1998	9.82E-03	-0.2665	0.0443	6.85E-06	-0.4724	6.2280	5.59E-09	2.52E-08
Butyricimonas	genus.Butyricimonas.id.945	-0.5059	0.1602	9.25E-03	-0.4270	0.1505	2.08E-02	-0.4648	6.0990	1.06E-08	4.70E-08
Clostridiuminnocuumgroup	genus..Clostridiuminnocuumgroup.id.14397	0.9395	0.2094	2.40E-04	0.2296	0.0498	2.19E-03	0.4645	6.0940	1.08E-08	4.73E-08
Eubacteriumoxidoreducensgroup	genus..Eubacteriumoxidoreducensgroup.id.11339	-0.5390	0.1109	1.85E-05	-0.3996	0.0868	3.40E-03	-0.4641	6.0873	1.12E-08	4.77E-08
Howardella	genus.Howardella.id.2000	-0.6704	0.1134	2.65E-06	-0.3212	0.1171	2.93E-02	-0.4640	6.0865	1.12E-08	4.77E-08
Holdemanella	genus.Holdemanella.id.11393	-1.0346	0.2095	2.71E-03	-0.2033	0.0992	8.07E-02	-0.4586	5.9969	1.74E-08	7.02E-08
Epulopiscium	genus.Epulopiscium.id.1998	-0.5141	0.1065	8.61E-04	-0.4088	0.0789	9.01E-05	-0.4585	5.9939	1.76E-08	7.02E-08
Parvimonas	genus.Parvimonas.id.1945	-1.2489	0.3847	2.26E-02	-0.1669	0.0471	7.18E-03	-0.4566	5.9628	2.05E-08	7.97E-08
Oxalobacter	genus.Oxalobacter.id.2978	-0.3918	0.1525	4.28E-02	-0.5313	0.1145	2.26E-03	-0.4562	5.9571	2.11E-08	8.11E-08
Defluviitaleaceae	family.Defluviitaleaceae.id.1924	-0.6766	0.1356	1.59E-04	-0.3050	0.0706	1.40E-02	-0.4543	5.9245	2.47E-08	9.37E-08
Atopobium	genus.Atopobium.id.814	0.7131	0.2930	8.94E-02	0.2874	0.0662	6.63E-02	0.4527	5.8989	2.79E-08	1.05E-07
Scardovia	genus.Scardovia.id.440	0.8060	0.1386	6.98E-08	0.2533	0.0436	6.66E-07	0.4518	5.8844	2.99E-08	1.11E-07
Ruminiclostridium	genus.Ruminiclostridium.id.11353	-0.9096	0.1502	2.29E-07	-0.2220	0.0340	5.70E-06	-0.4494	5.8447	3.62E-08	1.33E-07
PrevotellaceaeNK3B31group	genus.PrevotellaceaeNK3B31group.id.11185	-0.7109	0.1698	2.85E-03	-0.2788	0.0541	9.47E-07	-0.4452	5.7767	5.01E-08	1.81E-07
RuminococcaceaeUCG004	genus.RuminococcaceaeUCG004.id.11362	0.6075	0.1980	1.74E-02	0.3144	0.0791	8.62E-03	0.4370	5.6456	9.32E-08	3.34E-07
RikenellaceaeRC9gutgroup	genus.RikenellaceaeRC9gutgroup.id.11191	-0.5565	0.1311	2.30E-02	-0.3417	0.0808	1.02E-02	-0.4361	5.6300	1.00E-07	3.54E-07
DefluviitaleaceaeUCG011	genus.DefluviitaleaceaeUCG011.id.11287	-0.6732	0.1449	4.57E-04	-0.2814	0.0667	4.00E-02	-0.4352	5.6165	1.07E-07	3.75E-07
Anaeroplasmataceae	family.Anaeroplasmataceae.id.3925	-0.8210	0.2038	2.08E-03	-0.2294	0.0544	8.77E-03	-0.4340	5.5972	1.17E-07	4.01E-07
Anaeroplasma	genus.Anaeroplasma.id.3926	-0.8210	0.2038	2.08E-03	-0.2294	0.0544	8.77E-03	-0.4340	5.5972	1.17E-07	4.01E-07
Clostridiumsensustricto13	genus.Clostridiumsensustricto13.id.1877	-0.8381	0.2883	2.01E-02	-0.2232	0.0617	9.60E-03	-0.4325	5.5730	1.31E-07	4.44E-07
Rikenellaceae	family.Rikenellaceae.id.967	-0.4650	0.0821	1.00E-07	-0.4012	0.0899	5.10E-03	-0.4320	5.5650	1.36E-07	4.56E-07
Alistipes	genus.Alistipes.id.968	-0.5992	0.1089	2.11E-07	-0.3100	0.0652	6.32E-03	-0.4310	5.5493	1.46E-07	4.84E-07
ErysipelotrichaceaeUCG006	genus.ErysipelotrichaceaeUCG006.id.11386	-0.7927	0.2097	7.30E-03	-0.2330	0.0430	6.10E-03	-0.4298	5.5302	1.60E-07	5.25E-07
Lachnospiraceae	family.Lachnospiraceae.id.1987	0.3260	0.0796	1.60E-02	0.5598	0.1465	7.57E-03	0.4272	5.4895	1.93E-07	6.27E-07
Dielma	genus.Dielma.id.11380	1.0898	0.3206	8.94E-03	0.1627	0.0306	1.48E-05	0.4211	5.3940	3.00E-07	9.64E-07
LachnospiraceaeFCS020group	genus.LachnospiraceaeFCS020group.id.11314	-0.4152	0.0998	5.84E-04	-0.4232	0.1266	1.41E-02	-0.4192	5.3646	3.43E-07	1.09E-06
Blautia	genus.Blautia.id.1992	0.2997	0.0942	3.36E-02	0.5831	0.1639	9.62E-03	0.4180	5.3464	3.72E-07	1.17E-06
Prevotella	genus.Prevotella.id.963	-0.7899	0.4041	8.17E-02	-0.2202	0.0839	3.17E-02	-0.4170	5.3314	3.99E-07	1.24E-06

Paeniclostridium	genus.Paeniclostridium.id.14378	-0.7940	0.2774	2.69E-02	-0.2154	0.0823	3.55E-02	-0.4136	5.2777	5.09E-07	1.57E-06
Comamonadaceae	family.Comamonadaceae.id.2913	0.8121	0.3124	3.45E-02	0.2086	0.1530	2.34E-01	0.4116	5.2478	5.82E-07	1.78E-06
RuminococcaceaeUCG011	genus.RuminococcaceaeUCG011.id.11368	-0.4410	0.1473	1.37E-02	-0.3837	0.1309	1.79E-02	-0.4113	5.2436	5.93E-07	1.80E-06
Eubacteriumrectalegroup	genus..Eubacteriumrectalegroup.id.14374	0.4645	0.1096	1.82E-03	0.3615	0.0840	5.06E-03	0.4098	5.2194	6.61E-07	1.98E-06
Peptococcaceae	family.Peptococcaceae.id.2024	-0.4069	0.1006	1.58E-03	-0.4076	0.1002	9.35E-03	-0.4072	5.1806	7.87E-07	2.34E-06
Phascolarctobacterium	genus.Phascolarctobacterium.id.2168	-0.6332	0.1957	4.60E-03	-0.2584	0.0975	3.19E-02	-0.4045	5.1385	9.49E-07	2.79E-06
Klebsiella	genus.Klebsiella.id.3507	0.4792	0.1001	6.87E-02	0.3394	0.1027	1.41E-02	0.4033	5.1206	1.03E-06	2.98E-06
Kocuria	genus.Kocuria.id.642	-0.7159	0.2493	2.95E-02	-0.2271	0.0507	5.52E-02	-0.4032	5.1193	1.03E-06	2.98E-06
LachnospiraceaeUCG003	genus.LachnospiraceaeUCG003.id.11323	-0.4152	0.0838	4.07E-06	-0.3908	0.0694	2.29E-06	-0.4028	5.1128	1.06E-06	3.04E-06
Sellimonas	genus.Sellimonas.id.14369	0.5607	0.1874	7.49E-03	0.2891	0.0709	3.09E-03	0.4026	5.1104	1.08E-06	3.06E-06
Fastidiosipila	genus.Fastidiosipila.id.2058	-0.8944	0.2416	2.01E-02	-0.1801	0.0471	9.77E-02	-0.4014	5.0920	1.17E-06	3.29E-06
FamilyXIIIUCG001	genus.FamilyXIIIUCG001.id.11294	-0.5708	0.1283	2.76E-04	-0.2819	0.1160	5.02E-02	-0.4011	5.0882	1.19E-06	3.32E-06
Neisseriaceae	family.Neisseriaceae.id.3010	-0.5528	0.1398	9.90E-04	-0.2868	0.0668	3.70E-03	-0.3982	5.0438	1.44E-06	3.94E-06
Tyzzerella3	genus.Tyzzerella3.id.11335	0.4832	0.1162	4.93E-03	0.3276	0.0885	1.71E-02	0.3979	5.0389	1.47E-06	3.99E-06
Desulfovibrio	genus.Desulfovibrio.id.3173	-0.7418	0.2116	4.74E-02	-0.2131	0.0825	7.56E-02	-0.3976	5.0346	1.50E-06	4.04E-06
PrevotellaceaeUCG004	genus.PrevotellaceaeUCG004.id.11188	-0.7507	0.2696	2.08E-02	-0.2069	0.0824	4.30E-02	-0.3941	4.9825	1.89E-06	5.00E-06
Eubacteriumhalliigroup	genus..Eubacteriumhalliigroup.id.11338	0.4290	0.1199	2.32E-03	0.3604	0.1465	3.94E-02	0.3932	4.9693	2.00E-06	5.25E-06
Anaerostipes	genus.Anaerostipes.id.1991	0.4057	0.0794	8.08E-03	0.3805	0.1224	1.95E-02	0.3929	4.9638	2.05E-06	5.34E-06
LachnospiraceaeND3007group	genus.LachnospiraceaeND3007group.id.11317	-0.9660	0.2897	1.07E-02	-0.1593	0.0574	8.57E-02	-0.3923	4.9558	2.12E-06	5.47E-06
Ruminococcus2	genus.Ruminococcus2.id.11374	-0.6314	0.2193	2.69E-02	-0.2408	0.0827	3.14E-02	-0.3899	4.9199	2.48E-06	6.35E-06
Ruminiclostridium1	genus.Ruminiclostridium1.id.11354	-0.7564	0.1646	9.77E-05	-0.1996	0.0496	3.09E-03	-0.3885	4.8993	2.71E-06	6.88E-06
Butyrivibrio	genus.Butyrivibrio.id.1993	-0.3954	0.0848	2.44E-02	-0.3805	0.0815	9.52E-04	-0.3879	4.8898	2.82E-06	7.04E-06
Eubacteriumcoprostanoligenesgroup	genus..Eubacteriumcoprostanoligenesgroup.id.11375	-0.4049	0.1545	2.11E-02	-0.3715	0.1151	1.43E-02	-0.3878	4.8891	2.83E-06	7.04E-06
Pseudobutyrivibrio	genus.Pseudobutyrivibrio.id.2010	-0.6167	0.2287	2.04E-02	-0.2439	0.0842	1.91E-02	-0.3878	4.8881	2.84E-06	7.04E-06
Oscillibacter	genus.Oscillibacter.id.2063	-0.4516	0.2394	1.34E-01	-0.3288	0.0973	7.78E-03	-0.3854	4.8525	3.31E-06	8.15E-06
FamilyXIII	family.FamilyXIII.id.1957	-0.4188	0.1704	4.71E-02	-0.3541	0.1325	2.49E-02	-0.3851	4.8482	3.38E-06	8.25E-06
Rhodospirillaceae	family.Rhodospirillaceae.id.2717	-0.7901	0.1650	4.74E-06	-0.1827	0.0461	1.22E-02	-0.3799	4.7722	4.67E-06	1.13E-05
Neisseria	genus.Neisseria.id.3032	-0.4892	0.1327	2.19E-03	-0.2949	0.0680	3.81E-03	-0.3798	4.7706	4.70E-06	1.13E-05
Acidaminococcaceae	family.Acidaminococcaceae.id.2166	-0.9547	0.2596	2.36E-03	-0.1487	0.0629	5.08E-02	-0.3769	4.7271	5.65E-06	1.34E-05
Eubacteriaceae	family.Eubacteriaceae.id.1928	0.6405	0.2036	1.01E-02	0.2217	0.0574	2.13E-03	0.3768	4.7266	5.67E-06	1.34E-05
Tyzzerella	genus.Tyzzerella.id.11334	0.4889	0.2351	9.97E-02	0.2891	0.0937	2.04E-02	0.3760	4.7147	5.96E-06	1.40E-05
Anaerofilum	genus.Anaerofilum.id.2053	-0.4521	0.2567	1.11E-01	-0.3106	0.1050	1.81E-02	-0.3747	4.6961	6.44E-06	1.50E-05
Anaeroglobus	genus.Anaeroglobus.id.2176	0.5878	0.1299	2.20E-05	0.2348	0.0624	1.21E-02	0.3715	4.6498	7.82E-06	1.81E-05
Odoribacter	genus.Odoribacter.id.952	-0.4615	0.1387	1.54E-02	-0.2971	0.1206	4.18E-02	-0.3703	4.6313	8.45E-06	1.94E-05
Methanosphaera	genus.Methanosphaera.id.124	-0.4415	0.1514	3.95E-02	-0.3067	0.0916	7.76E-03	-0.3680	4.5982	9.69E-06	2.21E-05
Gallicola	genus.Gallicola.id.1941	0.7756	0.2255	1.25E-03	0.1744	0.0377	1.03E-03	0.3678	4.5959	9.79E-06	2.22E-05
Parascardovia	genus.Parascardovia.id.439	0.5738	0.1901	9.14E-03	0.2355	0.0774	2.16E-02	0.3676	4.5931	9.90E-06	2.23E-05
PrevotellaceaeUCG001	genus.PrevotellaceaeUCG001.id.11186	-0.7057	0.3426	9.18E-02	-0.1894	0.0421	9.06E-02	-0.3656	4.5638	1.12E-05	2.50E-05
Enterorhabdus	genus.Enterorhabdus.id.820	-0.6041	0.1217	1.11E-02	-0.2200	0.0849	5.20E-02	-0.3645	4.5487	1.19E-05	2.64E-05
Porphyromonadaceae	family.Porphyromonadaceae.id.943	-0.4982	0.1305	1.69E-03	-0.2662	0.1327	8.09E-02	-0.3642	4.5434	1.22E-05	2.69E-05
Haemophilus	genus.Haemophilus.id.3698	-0.4875	0.1789	1.59E-02	-0.2690	0.1262	7.26E-02	-0.3621	4.5133	1.38E-05	3.02E-05
ErysipelotrichaceaeUCG004	genus.ErysipelotrichaceaeUCG004.id.11385	-0.6295	0.1812	3.69E-02	-0.2056	0.0478	8.90E-05	-0.3598	4.4804	1.57E-05	3.41E-05
Gordonibacter	genus.Gordonibacter.id.821	0.5679	0.2573	6.27E-02	0.2276	0.0731	4.87E-02	0.3595	4.4762	1.60E-05	3.45E-05
Barnesiella	genus.Barnesiella.id.944	-0.6140	0.1443	9.24E-05	-0.2073	0.0613	1.97E-02	-0.3568	4.4376	1.87E-05	4.01E-05
Finegoldia	genus.Finegoldia.id.1940	0.5180	0.1448	2.39E-02	0.2452	0.0550	2.53E-02	0.3564	4.4318	1.92E-05	4.09E-05
Prevotellaceae	family.Prevotellaceae.id.960	-0.5554	0.1247	5.01E-05	-0.2248	0.0528	2.58E-04	-0.3534	4.3891	2.28E-05	4.82E-05

CoriobacteriaceaeUCG003	genus.CoriobacteriaceaeUCG003.id.11159	-0.6086	0.2574	6.04E-02	-0.2048	0.0528	9.58E-02	-0.3531	4.3848	2.32E-05	4.84E-05
Paenibacillaceae	family.Paenibacillaceae.id.1740	0.4538	0.4427	3.25E-01	0.2747	0.1261	1.72E-01	0.3531	4.3846	2.32E-05	4.84E-05
Bacteroidespectinophilusgroup	genus..Bacteroidespectinophilusgroup.id.14371	-0.5416	0.1353	2.31E-02	-0.2253	0.0674	1.21E-02	-0.3493	4.3320	2.86E-05	5.93E-05
Slackia	genus.Slackia.id.825	-0.6855	0.1684	8.18E-05	-0.1764	0.0456	6.15E-03	-0.3477	4.3089	3.14E-05	6.46E-05
Holdemania	genus.Holdemania.id.2157	0.8109	0.1212	1.19E-08	0.1458	0.0801	1.10E-01	0.3438	4.2538	3.90E-05	7.93E-05
CandidatusStoquefichus	genus.CandidatusStoquefichus.id.11379	0.4679	0.1522	1.45E-02	0.2526	0.0912	2.90E-02	0.3438	4.2537	3.90E-05	7.93E-05
Pasteurellaceae	family.Pasteurellaceae.id.3689	-0.4307	0.1731	2.50E-02	-0.2584	0.1229	7.08E-02	-0.3336	4.1120	6.78E-05	1.35E-04
Solobacterium	genus.Solobacterium.id.2161	-0.5718	0.1969	7.53E-03	-0.1910	0.0648	9.25E-02	-0.3305	4.0688	8.00E-05	1.58E-04
Peptococcus	genus.Peptococcus.id.2037	-0.4439	0.1533	2.09E-02	-0.2443	0.1014	5.47E-02	-0.3293	4.0521	8.52E-05	1.68E-04
Oscillospira	genus.Oscillospira.id.2064	-0.7630	0.1876	2.54E-04	-0.1420	0.0612	6.48E-02	-0.3292	4.0504	8.58E-05	1.68E-04
Methanobacteriaceae	family.Methanobacteriaceae.id.121	-0.3098	0.0834	1.22E-02	-0.3370	0.1283	4.11E-02	-0.3231	3.9670	1.18E-04	2.26E-04
Sarcina	genus.Sarcina.id.1896	1.0866	0.2265	6.99E-05	0.0952	0.0609	2.11E-01	0.3216	3.9462	1.27E-04	2.41E-04
Elusimicrobiaceae	family.Elusimicrobiaceae.id.1635	0.6329	0.1938	5.61E-03	0.1633	0.0444	3.39E-04	0.3215	3.9453	1.28E-04	2.41E-04
Elusimicrobium	genus.Elusimicrobium.id.1636	0.6329	0.1938	5.61E-03	0.1633	0.0444	3.39E-04	0.3215	3.9453	1.28E-04	2.41E-04
HafniaObesumbacterium	genus.HafniaObesumbacterium.id.14636	-0.7346	0.2527	2.27E-02	-0.1398	0.0669	7.02E-02	-0.3205	3.9312	1.34E-04	2.52E-04
Brochothrix	genus.Brochothrix.id.1738	0.5760	0.1961	1.08E-02	0.1778	0.0878	7.37E-02	0.3200	3.9247	1.38E-04	2.57E-04
Dorea	genus.Dorea.id.1997	0.4552	0.1557	2.23E-02	0.2239	0.1026	7.30E-02	0.3193	3.9145	1.43E-04	2.65E-04
Lachnospira	genus.Lachnospira.id.2004	-0.3843	0.2366	1.45E-01	-0.2581	0.0738	8.65E-03	-0.3149	3.8551	1.78E-04	3.28E-04
Oribacterium	genus.Oribacterium.id.2008	-0.5673	0.1898	4.90E-03	-0.1742	0.0508	1.09E-02	-0.3144	3.8476	1.83E-04	3.36E-04
Leuconostoc	genus.Leuconostoc.id.1841	0.4066	0.2008	7.46E-02	0.2422	0.0874	3.00E-02	0.3138	3.8406	1.88E-04	3.42E-04
Methanobrevibacter	genus.Methanobrevibacter.id.123	-0.3194	0.0978	3.03E-02	-0.3059	0.1073	4.24E-02	-0.3126	3.8235	2.00E-04	3.62E-04
LachnospiraceaeUCG008	genus.LachnospiraceaeUCG008.id.11328	0.4495	0.1463	2.52E-02	0.2146	0.0628	7.50E-03	0.3106	3.7963	2.21E-04	3.98E-04
Victivallis	genus.Victivallis.id.2256	-0.7463	0.2942	3.30E-02	-0.1288	0.0551	5.54E-02	-0.3100	3.7885	2.27E-04	4.07E-04
Acetanaerobacterium	genus.Acetanaerobacterium.id.2051	0.6797	0.2841	4.99E-02	0.1409	0.0418	4.38E-02	0.3094	3.7807	2.34E-04	4.14E-04
LachnospiraceaeUCG004	genus.LachnospiraceaeUCG004.id.11324	-0.3697	0.1269	1.58E-02	-0.2588	0.1386	9.33E-02	-0.3093	3.7792	2.35E-04	4.14E-04
Prevotella9	genus.Prevotella9.id.11183	-0.7102	0.2185	1.67E-02	-0.1345	0.1116	3.78E-01	-0.3091	3.7765	2.38E-04	4.16E-04
LachnospiraceaeNK4B4group	genus.LachnospiraceaeNK4B4group.id.11320	-0.7038	0.1961	8.32E-03	-0.1290	0.0546	4.01E-02	-0.3013	3.6712	3.47E-04	6.03E-04
FamilyXI	family.FamilyXI.id.1732	0.4786	0.2491	9.29E-02	0.1802	0.0810	7.36E-02	0.2937	3.5696	4.96E-04	8.53E-04
Gemella	genus.Gemella.id.1733	0.4786	0.2491	9.29E-02	0.1802	0.0810	7.36E-02	0.2937	3.5696	4.96E-04	8.53E-04
Isobaculum	genus.Isobaculum.id.1822	-0.6885	0.2736	2.17E-02	-0.1235	0.0505	3.58E-02	-0.2917	3.5427	5.44E-04	9.30E-04
Paraprevotella	genus.Paraprevotella.id.962	-0.7006	0.1671	2.08E-04	-0.1214	0.0592	2.91E-01	-0.2916	3.5417	5.46E-04	9.30E-04
Parasutterella	genus.Parasutterella.id.2892	0.4314	0.1333	4.07E-03	0.1855	0.0588	2.85E-03	0.2829	3.4266	8.10E-04	1.37E-03
Rikenella	genus.Rikenella.id.973	-0.4635	0.2408	9.16E-02	-0.1723	0.0842	9.79E-02	-0.2826	3.4235	8.19E-04	1.38E-03
CoriobacteriaceaeUCG002	genus.CoriobacteriaceaeUCG002.id.11158	-0.4527	0.1369	1.35E-03	-0.1761	0.0702	4.12E-02	-0.2823	3.4193	8.31E-04	1.39E-03
Megasphaera	genus.Megasphaera.id.2185	0.4752	0.1896	1.53E-02	0.1607	0.0729	1.43E-01	0.2764	3.3414	1.08E-03	1.78E-03
Metascardovia	genus.Metascardovia.id.438	0.3610	0.2583	1.94E-01	0.2082	0.1149	1.98E-01	0.2742	3.3124	1.19E-03	1.95E-03
Leuconostocaceae	family.Leuconostocaceae.id.1839	0.3795	0.1988	9.88E-02	0.1961	0.0963	7.60E-02	0.2728	3.2950	1.26E-03	2.05E-03
Micrococcaceae	family.Micrococcaceae.id.636	0.3723	0.2335	1.77E-01	0.1971	0.1106	1.13E-01	0.2709	3.2695	1.37E-03	2.22E-03
Leptotrichiaceae	family.Leptotrichiaceae.id.2215	-0.6784	0.2834	2.94E-02	-0.1063	0.0646	1.36E-01	-0.2686	3.2398	1.51E-03	2.43E-03
Papillibacter	genus.Papillibacter.id.2065	-0.5476	0.1657	2.74E-03	-0.1288	0.0778	1.33E-01	-0.2656	3.2012	1.71E-03	2.74E-03
Fusicatenibacter	genus.Fusicatenibacter.id.11305	0.4391	0.2241	9.31E-02	0.1600	0.0968	1.49E-01	0.2650	3.1934	1.75E-03	2.80E-03
Succinatimonas	genus.Succinatimonas.id.3329	0.5761	0.1923	2.63E-02	0.1203	0.0814	1.98E-01	0.2633	3.1706	1.88E-03	3.00E-03
Ruminiclostridium9	genus.Ruminiclostridium9.id.11357	-0.5763	0.1638	5.96E-04	-0.1198	0.0473	2.87E-02	-0.2627	3.1639	1.92E-03	3.04E-03
Rothia	genus.Rothia.id.646	0.3555	0.2211	1.80E-01	0.1929	0.1099	1.19E-01	0.2619	3.1527	1.99E-03	3.14E-03
Anaerosporobacter	genus.Anaerosporobacter.id.1990	0.3726	0.2235	1.88E-01	0.1839	0.0666	2.53E-02	0.2618	3.1514	2.00E-03	3.14E-03
Cardiobacteriaceae	family.Cardiobacteriaceae.id.3410	-0.3265	0.2514	2.37E-01	-0.2084	0.0954	7.32E-02	-0.2609	3.1399	2.08E-03	3.22E-03

Cardiobacterium	genus.Cardiobacterium.id.3411	-0.3265	0.2514	2.37E-01	-0.2084	0.0954	7.32E-02	-0.2609	3.1399	2.08E-03	3.22E-03
Butyricicoccus	genus.Butyricicoccus.id.2055	0.4607	0.1889	8.41E-02	0.1422	0.0877	1.62E-01	0.2559	3.0759	2.54E-03	3.92E-03
Pseudoflavonifractor	genus.Pseudoflavonifractor.id.2066	0.7911	0.3298	4.69E-02	0.0815	0.0403	1.13E-01	0.2540	3.0512	2.74E-03	4.22E-03
Cloacibacillus	genus.Cloacibacillus.id.3908	-0.5286	0.1690	2.43E-03	-0.1189	0.0388	5.59E-03	-0.2507	3.0088	3.13E-03	4.76E-03
Abiotrophia	genus.Abiotrophia.id.1803	1.2637	0.3335	1.07E-02	0.0497	0.0566	4.05E-01	0.2506	3.0079	3.14E-03	4.76E-03
Eubacteriumbrachygroup	genus..Eubacteriumbrachygroup.id.11296	0.3318	0.1856	1.17E-01	0.1892	0.1330	1.90E-01	0.2506	3.0074	3.14E-03	4.76E-03
Brevibacteriaceae	family.Brevibacteriaceae.id.521	-0.6533	0.3393	8.91E-02	-0.0938	0.0681	2.22E-01	-0.2476	2.9690	3.54E-03	5.30E-03
Brevibacterium	genus.Brevibacterium.id.522	-0.6533	0.3393	8.91E-02	-0.0938	0.0681	2.22E-01	-0.2476	2.9690	3.54E-03	5.30E-03
Asaccharobacter	genus.Asaccharobacter.id.813	0.4935	0.2309	6.47E-02	0.1222	0.0554	6.85E-02	0.2456	2.9439	3.82E-03	5.68E-03
Denitrobacterium	genus.Denitrobacterium.id.818	-0.4745	0.3228	1.81E-01	-0.1271	0.1007	2.76E-01	-0.2456	2.9435	3.82E-03	5.68E-03
Peptoniphilus	genus.Peptoniphilus.id.1946	0.6300	0.2476	5.43E-02	0.0934	0.0316	9.32E-02	0.2426	2.9052	4.29E-03	6.34E-03
Catabacter	genus.Catabacter.id.11282	-0.5443	0.4220	2.29E-01	-0.1069	0.0594	1.32E-01	-0.2413	2.8885	4.51E-03	6.64E-03
possiblegenusSk018	genus.possiblegenusSk018.id.2019	-0.4554	0.2611	1.29E-01	-0.1238	0.1015	2.71E-01	-0.2375	2.8406	5.20E-03	7.62E-03
Alcaligenaceae	family.Alcaligenaceae.id.2875	0.3576	0.1563	2.71E-02	0.1529	0.0517	7.38E-03	0.2338	2.7944	5.96E-03	8.69E-03
Synergistes	genus.Synergistes.id.3913	0.4240	0.4252	3.48E-01	0.1287	0.0477	2.48E-02	0.2336	2.7920	6.00E-03	8.71E-03
Eubacteriumventriosumgroup	genus..Eubacteriumventriosumgroup.id.11341	0.5004	0.3174	1.57E-01	0.1085	0.0673	1.55E-01	0.2330	2.7843	6.14E-03	8.87E-03
RuminococcaceaeUCG013	genus.RuminococcaceaeUCG013.id.11370	0.5322	0.2699	1.05E-01	0.0975	0.0577	1.56E-01	0.2278	2.7187	7.42E-03	1.07E-02
Murimonas	genus.Murimonas.id.14368	0.2461	0.2150	2.80E-01	0.2060	0.1051	9.04E-02	0.2252	2.6856	8.15E-03	1.17E-02
Eubacteriumfissicatenagroup	genus..Eubacteriumfissicatenagroup.id.14373	0.6660	0.3380	6.69E-02	0.0737	0.0542	2.24E-01	0.2215	2.6391	9.29E-03	1.32E-02
Biostraticola	genus.Biostraticola.id.3471	-0.6617	0.4286	1.53E-01	-0.0729	0.0501	1.88E-01	-0.2196	2.6153	9.93E-03	1.41E-02
Pediococcus	genus.Pediococcus.id.1838	0.3662	0.1925	6.85E-02	0.1291	0.0648	8.95E-02	0.2175	2.5887	1.07E-02	1.51E-02
Parabacteroides	genus.Parabacteroides.id.954	-0.3704	0.1574	4.01E-02	-0.1251	0.1806	5.16E-01	-0.2152	2.5606	1.15E-02	1.62E-02
Alloscardovia	genus.Alloscardovia.id.435	0.2192	0.2256	3.70E-01	0.2090	0.1087	9.05E-02	0.2140	2.5459	1.20E-02	1.68E-02
PrevotellaceaeUCG003	genus.PrevotellaceaeUCG003.id.11187	-0.5024	0.2433	6.54E-02	-0.0881	0.0595	1.97E-01	-0.2104	2.5012	1.36E-02	1.88E-02
LachnospiraceaeUCG001	genus.LachnospiraceaeUCG001.id.11321	-0.4238	0.1634	1.10E-02	-0.1028	0.0433	1.90E-02	-0.2087	2.4799	1.44E-02	1.99E-02
Syntrophomonadaceae	family.Syntrophomonadaceae.id.2072	-0.4028	0.3220	2.47E-01	-0.1059	0.1000	3.20E-01	-0.2065	2.4522	1.55E-02	2.13E-02
Alloprevotella	genus.Alloprevotella.id.961	-0.4233	0.2825	1.78E-01	-0.0976	0.0577	1.34E-01	-0.2033	2.4121	1.72E-02	2.36E-02
Burkholderiaceae	family.Burkholderiaceae.id.2899	-0.6488	0.4877	2.18E-01	-0.0630	0.0948	5.26E-01	-0.2022	2.3990	1.78E-02	2.43E-02
Prevotella1	genus.Prevotella1.id.11179	-0.3778	0.3670	3.32E-01	-0.1071	0.0703	1.69E-01	-0.2011	2.3855	1.84E-02	2.50E-02
Bifidobacteriaceae	family.Bifidobacteriaceae.id.433	0.3110	0.1402	2.86E-02	0.1245	0.0505	1.51E-02	0.1968	2.3317	2.12E-02	2.87E-02
Aerococcaceae	family.Aerococcaceae.id.1802	0.6551	0.2522	3.26E-02	0.0576	0.0796	4.87E-01	0.1943	2.3016	2.29E-02	3.08E-02
Gardnerella	genus.Gardnerella.id.437	-0.4827	0.1605	4.06E-03	-0.0775	0.0493	1.31E-01	-0.1934	2.2899	2.36E-02	3.16E-02
Staphylococcaceae	family.Staphylococcaceae.id.1775	-0.4437	0.2754	1.81E-01	-0.0827	0.0469	1.43E-01	-0.1916	2.2683	2.49E-02	3.32E-02
Porphyromonas	genus.Porphyromonas.id.956	-0.7468	0.2610	8.20E-03	-0.0480	0.0431	3.11E-01	-0.1894	2.2414	2.66E-02	3.54E-02
Bifidobacterium	genus.Bifidobacterium.id.436	0.3304	0.1595	5.04E-02	0.1080	0.0474	2.46E-02	0.1889	2.2348	2.71E-02	3.58E-02
Eubacteriumnodatumgroup	genus..Eubacteriumnodatumgroup.id.11297	-0.4067	0.2223	1.08E-01	-0.0850	0.0658	2.52E-01	-0.1859	2.1985	2.96E-02	3.89E-02
Bacteroidaceae	family.Bacteroidaceae.id.917	-0.5277	0.1867	1.84E-02	-0.0628	0.1319	6.48E-01	-0.1820	2.1503	3.33E-02	4.34E-02
Bacteroides	genus.Bacteroides.id.918	-0.5277	0.1867	1.84E-02	-0.0628	0.1319	6.48E-01	-0.1820	2.1503	3.33E-02	4.34E-02
Prevotella7	genus.Prevotella7.id.11182	-0.5585	0.2108	1.89E-02	-0.0583	0.1066	5.98E-01	-0.1804	2.1314	3.49E-02	4.52E-02
Lactobacillus	genus.Lactobacillus.id.1837	-0.4572	0.3337	2.13E-01	-0.0709	0.0424	1.97E-01	-0.1801	2.1272	3.52E-02	4.55E-02
Mogibacterium	genus.Mogibacterium.id.1960	-0.3635	0.2060	1.13E-01	-0.0870	0.0776	2.98E-01	-0.1779	2.1001	3.76E-02	4.83E-02
Bilophila	genus.Bilophila.id.3170	-0.1613	0.3724	6.73E-01	-0.1941	0.1348	1.91E-01	-0.1770	2.0890	3.86E-02	4.94E-02
Carnobacterium	genus.Carnobacterium.id.1818	-0.2087	0.1180	8.13E-02	-0.1469	0.0842	1.78E-01	-0.1751	2.0665	4.07E-02	5.18E-02
Prevotella2	genus.Prevotella2.id.11180	-0.3906	0.2300	1.54E-01	-0.0784	0.0756	3.89E-01	-0.1750	2.0652	4.08E-02	5.18E-02
Roseburia	genus.Roseburia.id.2012	0.3847	0.1943	9.70E-02	0.0731	0.0701	3.09E-01	0.1677	1.9768	5.01E-02	6.34E-02
Ezakiella	genus.Ezakiella.id.11289	-0.2854	0.2133	2.38E-01	-0.0952	0.0563	2.06E-01	-0.1649	1.9420	5.42E-02	6.83E-02

Planococcaceae	family.Planococcaceae.id.1753	0.2811	0.2185	2.20E-01	0.0923	0.0898	3.34E-01	0.1611	1.8960	6.01E-02	7.54E-02
Anaerococcus	genus.Anaerococcus.id.1937	0.3047	0.3061	3.46E-01	0.0830	0.0665	2.53E-01	0.1590	1.8714	6.35E-02	7.90E-02
Murdochiella	genus.Murdochiella.id.1944	-0.3205	0.2842	3.04E-01	-0.0789	0.0563	2.22E-01	-0.1590	1.8712	6.35E-02	7.90E-02
Faecalicoccus	genus.Faecalicoccus.id.11391	0.3563	0.3743	3.78E-01	0.0701	0.0601	2.99E-01	0.1580	1.8595	6.51E-02	8.08E-02
Mitsuokella	genus.Mitsuokella.id.2186	-0.3024	0.1490	5.20E-01	-0.0758	0.0225	9.85E-04	-0.1514	1.7792	7.75E-02	9.57E-02
Coprococcus3	genus.Coprococcus3.id.11303	0.3119	0.2666	2.78E-01	0.0717	0.0735	3.67E-01	0.1495	1.7573	8.11E-02	9.97E-02
Granulicatella	genus.Granulicatella.id.1821	0.2997	0.1763	1.62E-01	0.0745	0.1266	5.87E-01	0.1494	1.7561	8.13E-02	9.97E-02
Victivallaceae	family.Victivallaceae.id.2255	-0.3569	0.2029	8.51E-02	-0.0609	0.0356	8.98E-02	-0.1475	1.7325	8.55E-02	1.04E-01
Hungatella	genus.Hungatella.id.11306	-0.4109	0.2889	1.61E-01	-0.0523	0.0324	1.44E-01	-0.1466	1.7221	8.73E-02	1.06E-01
Lactococcus	genus.Lactococcus.id.1851	-0.2971	0.2846	3.33E-01	-0.0718	0.0767	3.90E-01	-0.1461	1.7156	8.85E-02	1.07E-01
Coprobacter	genus.Coprobacter.id.949	-0.4500	0.1658	1.39E-02	-0.0459	0.0813	5.90E-01	-0.1438	1.6879	9.37E-02	1.13E-01
Acidaminococcus	genus.Acidaminococcus.id.2167	0.1560	0.1180	1.94E-01	0.1297	0.0740	1.10E-01	0.1423	1.6702	9.72E-02	1.17E-01
Staphylococcus	genus.Staphylococcus.id.1780	-0.2199	0.3364	5.34E-01	-0.0848	0.0562	1.73E-01	-0.1366	1.6019	1.12E-01	1.34E-01
LachnospiraceaeUCG010	genus.LachnospiraceaeUCG010.id.11330	0.2649	0.1118	2.12E-02	0.0685	0.1026	5.40E-01	0.1347	1.5798	1.17E-01	1.39E-01
Lactobacillaceae	family.Lactobacillaceae.id.1836	-0.3807	0.3454	3.06E-01	-0.0475	0.0452	3.67E-01	-0.1345	1.5775	1.17E-01	1.39E-01
Peptostreptococcus	genus.Peptostreptococcus.id.2045	0.4159	0.2099	5.02E-02	0.0425	0.0379	3.96E-01	0.1330	1.5592	1.21E-01	1.44E-01
Actinomyces	genus.Actinomyces.id.423	0.1973	0.2855	5.13E-01	0.0870	0.1000	4.18E-01	0.1310	1.5357	1.27E-01	1.50E-01
Actinomycetaceae	family.Actinomycetaceae.id.421	0.2695	0.2398	3.03E-01	0.0629	0.0880	5.01E-01	0.1302	1.5255	1.29E-01	1.52E-01
Lawsonella	genus.Lawsonella.id.14206	-0.1739	0.3349	6.14E-01	-0.0972	0.0726	2.16E-01	-0.1300	1.5236	1.30E-01	1.52E-01
Coriobacteriaceae	family.Coriobacteriaceae.id.811	-0.1932	0.3719	6.17E-01	-0.0866	0.0546	1.54E-01	-0.1294	1.5158	1.32E-01	1.54E-01
Streptococcus	genus.Streptococcus.id.1853	0.1849	0.2143	4.12E-01	0.0895	0.1223	4.95E-01	0.1286	1.5071	1.34E-01	1.56E-01
Bacillaceae	family.Bacillaceae.id.1680	0.3489	0.2554	1.82E-01	0.0471	0.0302	1.21E-01	0.1283	1.5027	1.35E-01	1.57E-01
Faecalibacterium	genus.Faecalibacterium.id.2057	-0.2517	0.2571	3.62E-01	-0.0642	0.0942	5.16E-01	-0.1271	1.4890	1.39E-01	1.60E-01
Catenibacterium	genus.Catenibacterium.id.2153	-0.1617	0.3168	6.27E-01	-0.0998	0.0872	3.04E-01	-0.1270	1.4878	1.39E-01	1.60E-01
LachnospiraceaeNK3A20group	genus.LachnospiraceaeNK3A20group.id.11318	0.1995	0.2345	4.36E-01	0.0762	0.0421	1.53E-01	0.1233	1.4437	1.51E-01	1.73E-01
Mobiluncus	genus.Mobiluncus.id.425	-0.5256	0.3333	1.84E-01	-0.0279	0.0397	4.91E-01	-0.1211	1.4177	1.59E-01	1.80E-01
Streptococcaceae	family.Streptococcaceae.id.1850	0.1468	0.2132	5.13E-01	0.0999	0.1271	4.62E-01	0.1211	1.4176	1.59E-01	1.80E-01
Dialister	genus.Dialister.id.2183	-0.3134	0.1719	8.84E-02	-0.0418	0.0534	4.44E-01	-0.1145	1.3387	1.83E-01	2.07E-01
Corynebacterium	genus.Corynebacterium.id.449	-0.6323	0.2101	8.57E-03	-0.0195	0.1206	8.75E-01	-0.1111	1.2992	1.96E-01	2.21E-01
Ruminiclostridium5	genus.Ruminiclostridium5.id.11355	-0.1017	0.3340	7.68E-01	-0.1169	0.0996	2.82E-01	-0.1090	1.2742	2.05E-01	2.30E-01
Bacillus	genus.Bacillus.id.1688	0.4958	0.5098	3.54E-01	0.0237	0.1109	8.36E-01	0.1083	1.2662	2.08E-01	2.32E-01
Eisenbergiella	genus.Eisenbergiella.id.11304	-0.2612	0.2392	2.82E-01	-0.0409	0.0505	4.77E-01	-0.1034	1.2073	2.29E-01	2.54E-01
Aggregatibacter	genus.Aggregatibacter.id.3691	0.1336	0.4184	7.58E-01	0.0791	0.0852	3.87E-01	0.1028	1.2007	2.32E-01	2.56E-01
Cryptobacterium	genus.Cryptobacterium.id.817	-0.0941	0.2274	6.95E-01	-0.1096	0.0805	2.14E-01	-0.1015	1.1858	2.38E-01	2.62E-01
Campylobacteraceae	family.Campylobacteraceae.id.3273	-0.0804	0.2011	6.99E-01	-0.1111	0.1111	3.40E-01	-0.0945	1.1030	2.72E-01	2.97E-01
Moraxellaceae	family.Moraxellaceae.id.3710	0.4794	0.3463	2.14E-01	0.0179	0.0327	6.42E-01	0.0925	1.0795	2.82E-01	3.08E-01
ErysipelotrichaceaeUCG003	genus.ErysipelotrichaceaeUCG003.id.11384	0.2126	0.1947	3.15E-01	0.0393	0.0851	6.65E-01	0.0915	1.0672	2.88E-01	3.13E-01
Synergistaceae	family.Synergistaceae.id.3901	-0.1700	0.3755	6.77E-01	-0.0469	0.0514	4.00E-01	-0.0893	1.0418	2.99E-01	3.24E-01
Coprobacillus	genus.Coprobacillus.id.2154	0.0737	0.4239	8.66E-01	0.0959	0.0758	2.47E-01	0.0841	0.9801	3.29E-01	3.55E-01
Verrucomicrobiaceae	family.Verrucomicrobiaceae.id.4036	-0.0682	0.1761	7.12E-01	-0.1024	0.1158	4.05E-01	-0.0836	0.9743	3.32E-01	3.55E-01
Akkermansia	genus.Akkermansia.id.4037	-0.0682	0.1761	7.12E-01	-0.1024	0.1158	4.05E-01	-0.0836	0.9743	3.32E-01	3.55E-01
Erysipelotrichaceae	family.Erysipelotrichaceae.id.2149	0.1606	0.1935	4.38E-01	0.0409	0.0545	5.09E-01	0.0811	0.9454	3.46E-01	3.69E-01
Listeriaceae	family.Listeriaceae.id.1737	-0.1336	0.1934	5.13E-01	-0.0492	0.1022	6.43E-01	-0.0811	0.9449	3.46E-01	3.69E-01
Ruminococcusgauvreauiigroup	genus..Ruminococcusgauvreauiigroup.id.11342	0.2542	0.1669	2.10E-01	0.0238	0.0793	7.81E-01	0.0779	0.9075	3.66E-01	3.88E-01
Collinsella	genus.Collinsella.id.815	0.1074	0.3026	7.32E-01	0.0417	0.0501	4.36E-01	0.0669	0.7793	4.37E-01	4.61E-01
Adlercreutzia	genus.Adlercreutzia.id.812	0.4665	0.2029	5.64E-02	0.0095	0.2229	9.67E-01	0.0666	0.7754	4.39E-01	4.61E-01

Erysipelatoclostridium	genus.Erysipelatoclostridium.id.11381	-0.1103	0.1982	5.79E-01	-0.0388	0.0368	2.96E-01	-0.0654	0.7619	4.47E-01	4.68E-01
Catenisphaera	genus.Catenisphaera.id.14395	-0.2442	0.3013	4.51E-01	-0.0170	0.0679	8.10E-01	-0.0645	0.7513	4.54E-01	4.73E-01
EscherichiaShigella	genus.EscherichiaShigella.id.3504	0.2336	0.2361	3.50E-01	0.0145	0.0803	8.61E-01	0.0582	0.6772	4.99E-01	5.19E-01
Enterococcaceae	family.Enterococcaceae.id.1828	-0.0621	0.2172	8.09E-01	-0.0511	0.0592	4.32E-01	-0.0563	0.6556	5.13E-01	5.32E-01
Eubacteriumsaphenumgroup	genus..Eubacteriumsaphenumgroup.id.14363	0.1776	0.4386	6.97E-01	0.0157	0.0615	8.13E-01	0.0528	0.6143	5.40E-01	5.56E-01
Stomatobaculum	genus.Stomatobaculum.id.2015	-0.0945	0.3048	7.66E-01	-0.0276	0.0461	5.67E-01	-0.0511	0.5943	5.53E-01	5.66E-01
Carnobacteriaceae	family.Carnobacteriaceae.id.1811	0.1656	0.1699	3.88E-01	0.0131	0.1131	9.14E-01	0.0466	0.5418	5.89E-01	6.00E-01
Sutterella	genus.Sutterella.id.2896	-0.2209	0.2431	3.85E-01	-0.0088	0.1116	9.39E-01	-0.0441	0.5133	6.09E-01	6.18E-01
Campylobacter	genus.Campylobacter.id.3275	-0.0325	0.2011	8.76E-01	-0.0469	0.1187	7.00E-01	-0.0390	0.4538	6.51E-01	6.59E-01
Pseudomonas	genus.Pseudomonas.id.3723	-0.2648	0.2068	2.14E-01	-0.0033	0.0711	9.69E-01	-0.0297	0.3448	7.31E-01	7.35E-01
Lachnoanaerobaculum	genus.Lachnoanaerobaculum.id.2003	0.3856	0.2951	2.39E-01	0.0008	0.0646	9.91E-01	0.0170	0.1981	8.43E-01	8.46E-01
Allisonella	genus.Allisonella.id.2174	0.0006	0.2950	9.99E-01	0.0031	0.0783	9.70E-01	0.0013	0.0152	9.88E-01	9.88E-01
Pseudomonadaceae	family.Pseudomonadaceae.id.3718	-0.2997	0.2129	1.79E-01	0.0473	0.1078	7.02E-01	Inf	NA	NA	NA
Succinivibrio	genus.Succinivibrio.id.3331	-0.1840	0.2358	4.64E-01	0.0733	0.0695	3.26E-01	Inf	NA	NA	NA
Tyzzerella4	genus.Tyzzerella4.id.11336	0.4029	0.4931	4.36E-01	-0.0473	0.0729	5.33E-01	Inf	NA	NA	NA
Prevotella6	genus.Prevotella6.id.11181	-0.0575	0.4232	8.98E-01	0.0426	0.0367	2.74E-01	Inf	NA	NA	NA
Acinetobacter	genus.Acinetobacter.id.3711	0.3364	0.3114	3.26E-01	-0.0067	0.0382	8.75E-01	Inf	NA	NA	NA
Succiniclasticum	genus.Succiniclasticum.id.2169	-0.2369	0.4658	6.26E-01	0.0310	0.0397	4.55E-01	Inf	NA	NA	NA
LachnospiraceaeUCG007	genus.LachnospiraceaeUCG007.id.11327	0.2575	0.3024	3.98E-01	-0.0158	0.0435	7.51E-01	Inf	NA	NA	NA
Veillonellaceae	family.Veillonellaceae.id.2172	-0.0539	0.1578	7.35E-01	0.0401	0.0482	4.11E-01	Inf	NA	NA	NA
Leptotrichia	genus.Leptotrichia.id.2216	-0.3248	0.2963	3.38E-01	0.0003	0.0456	9.96E-01	Inf	NA	NA	NA
Enterococcus	genus.Enterococcus.id.1831	0.0936	0.1872	6.20E-01	-0.0403	0.0629	5.47E-01	Inf	NA	NA	NA
Corynebacteriaceae	family.Corynebacteriaceae.id.448	-0.2832	0.3173	4.03E-01	0.0244	0.1440	8.71E-01	Inf	NA	NA	NA
vadinBE97	family.vadinBE97.id.14446	-0.2930	0.3828	4.68E-01	0.0200	0.0679	7.86E-01	Inf	NA	NA	NA
Morganella	genus.Morganella.id.3512	-0.1137	0.4085	7.88E-01	0.0484	0.0675	4.93E-01	Inf	NA	NA	NA
Enterobacteriaceae	family.Enterobacteriaceae.id.3469	0.1283	0.1865	5.11E-01	-0.0165	0.0910	8.60E-01	Inf	NA	NA	NA
Succinivibrionaceae	family.Succinivibrionaceae.id.3326	-0.0656	0.1976	7.51E-01	0.0353	0.0594	5.85E-01	Inf	NA	NA	NA
Parasporobacterium	genus.Parasporobacterium.id.2009	0.2238	0.2991	4.79E-01	-0.0047	0.0528	9.33E-01	Inf	NA	NA	NA
Sneathia	genus.Sneathia.id.2218	-0.1245	0.2229	5.83E-01	0.0168	0.0784	8.37E-01	Inf	NA	NA	NA
CandidatusSoleaferrea	genus.CandidatusSoleaferrea.id.11350	0.0151	0.2002	9.42E-01	-0.0720	0.1102	5.29E-01	Inf	NA	NA	NA
FamilyXIIIUCG002	genus.FamilyXIIIUCG002.id.11295	0.1112	0.3376	7.50E-01	-0.0275	0.0645	6.80E-01	Inf	NA	NA	NA
Eubacterium	genus.Eubacterium.id.1932	-0.0183	0.2559	9.47E-01	0.0796	0.1059	5.47E-01	Inf	NA	NA	NA
Weissella	genus.Weissella.id.1843	0.0178	0.4372	9.69E-01	-0.0475	0.0773	5.53E-01	Inf	NA	NA	NA
Veillonella	genus.Veillonella.id.2198	-0.1271	0.2605	6.38E-01	0.0307	0.1475	8.43E-01	Inf	NA	NA	NA
Corynebacterium1	genus.Corynebacterium1.id.11143	-0.1097	0.4306	8.05E-01	0.0393	0.0995	7.10E-01	Inf	NA	NA	NA

Figure Legends

eFigure 1. Results of metabolome-wide association analysis

Left Y-axis shows effect estimates and right Y-axis shows the strength of association. Red dashed line is FDR=0.05. Symbols denote the -log10(FDR). Lines denote the effect estimates from the four models. Red colour illustrates the findings from model 1, Blue colour illustrates the findings from model 2, green colour illustrates the findings from model 3 and yellow colour illustrates the findings from model 4.

Model 1: MDD ~ age + sex + ethnicity + fasting time + technical covariates

Model 2: MDD ~ age + sex + ethnicity + fasting time + technical covariates + BMI

Model 3: MDD ~ age + sex + ethnicity + fasting time + technical covariates + BMI + antidepressants

Model 4: MDD ~ age + sex + ethnicity + fasting time + technical covariates + BMI + antidepressants + education + smoking + alcohol intake + physical activity + PPI + antidiabetics + antihypertensives + lipid modifying agents + sleep medication

eFigure 2. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 1. Red is increased in MDD and blue are decreased in MDD. Star shows a significant FDR p-value.

eFigure 3. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 2. Red is increased in MDD and blue are decreased in MDD. Star shows a significant FDR p-value.

eFigure 4. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 3. Red is increased in MDD and blue are decreased in MDD. Star shows a significant FDR p-value.

eFigure 5. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 4. Red is increased in MDD and blue are decreased in MDD. Star shows a significant FDR p-value.

eFigure 6. Correlation structure of 124 metabolites associated with lifetime major depression

eFigure 7. Scatter plot of effect estimates (MDD) from model 4 and sensitivity analysis by removing individuals on antidepressants

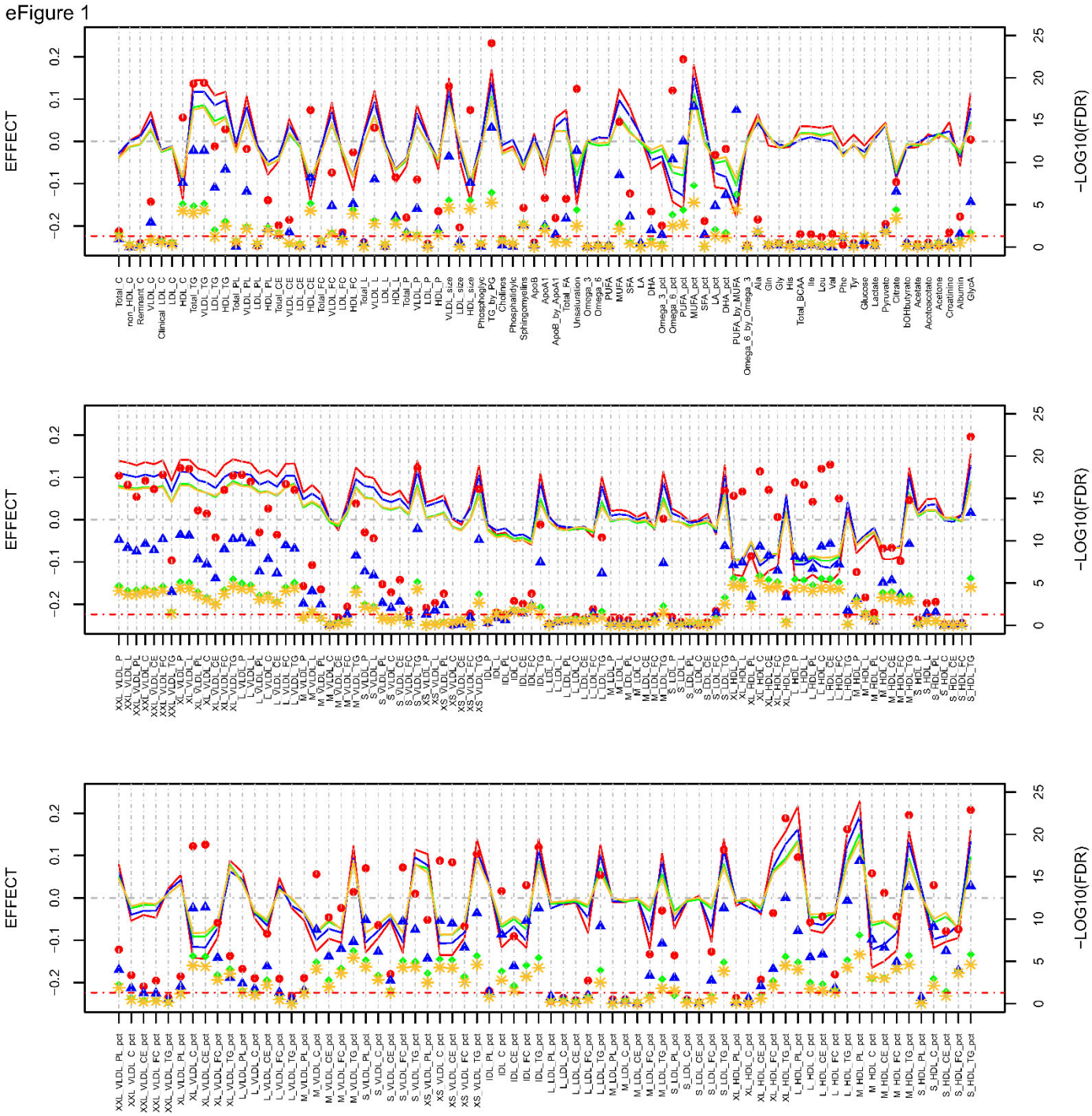
eFigure 8. Significantly associated metabolites with MDD in model 4 and the results of replication in BBMRI-NL study. Red is increased in MDD and Blue is decreased in MDD. Star depicts a significant association after correcting for multiple testing.

eFigure 9. Results of Mendelian Randomization for the 124 associated metabolites in model 4. The first column from the left shows the direction of association of 124 significantly associated metabolites with MDD (Z-scores). Blue is negative association and red is positive association. The second column shows the results of the Mendelian randomization (MR) analysis when MDD is the exposure and microbiome is the outcome. The third column depicts the results of MR when metabolites were used as exposure and MDD outcome. Black stars represent significant ones after correcting for multiple testing using FDR.

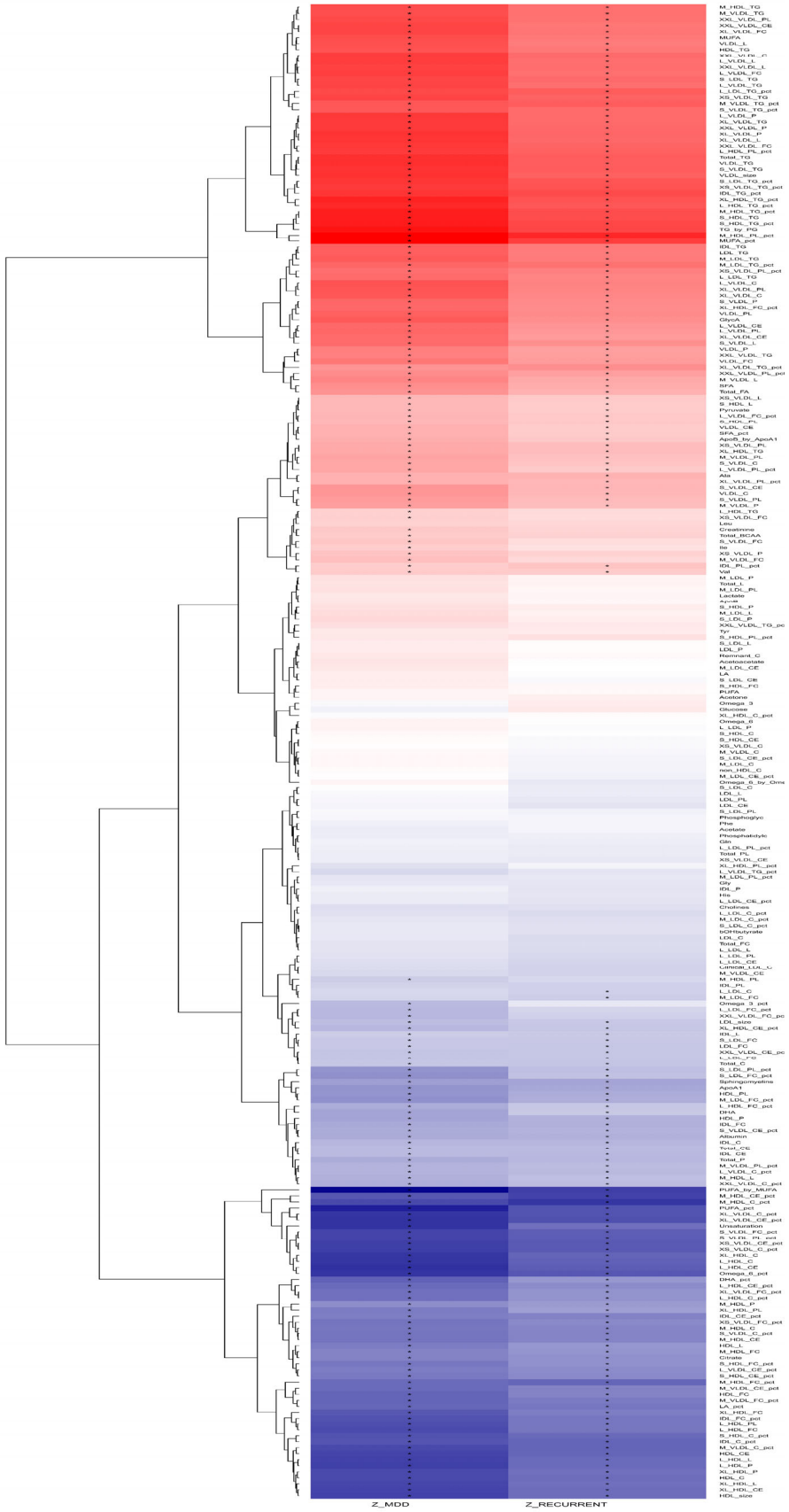
eFigure 10. Scatter plot of direct and proxy association of microbiome with major depression. Taxa that have a p-value < 0.05 in both proxy and direct association are annotated. Each dot represents a microbial taxon. X-axis depicts the proxy association (T-scores) between microbial taxa and MDD inferred through their metabolic signatures and Y-axis depicts the direct association of microbial taxa with MDD (Z-scores) from the Rotterdam study performed in Radjabzadeh et al. 2022. Taxa that are nominally significant in both proxy and direct associations are annotated.

eFigure 11. Hierarchical illustration of all healthy and pathogenic bacteria that showed significant correlation ($r > 0.3$ & FDR < 0.05) with MDD metabolic profile. Red dots represent significant negative proxy association between microbial taxa and MDD and green dots represent significant positive proxy association between microbial taxa and MDD. The outermost layer depicts the phylum followed by, class, order, family and genus.

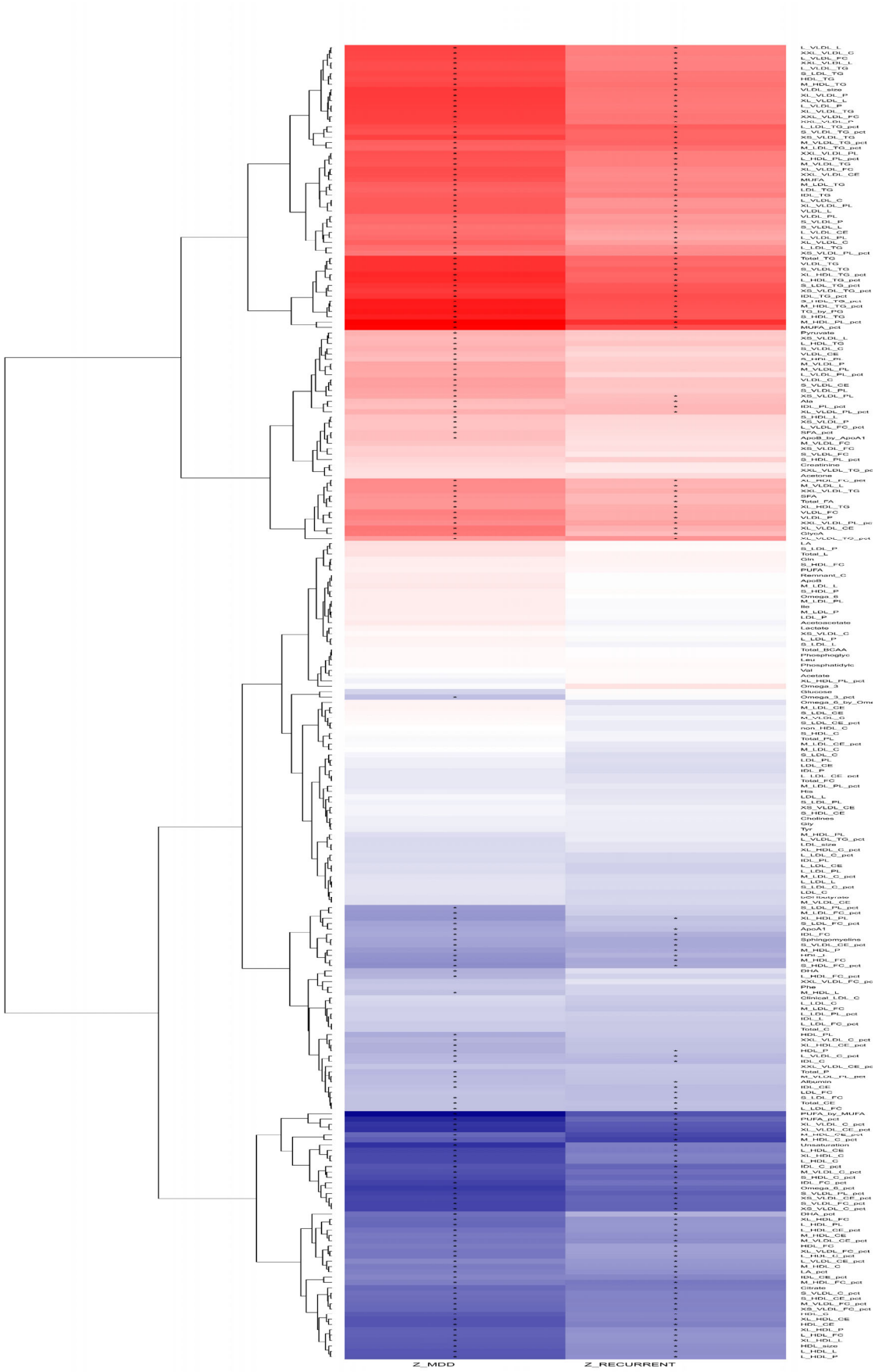
eFigure 1. Results of metabolome-wide association analysis



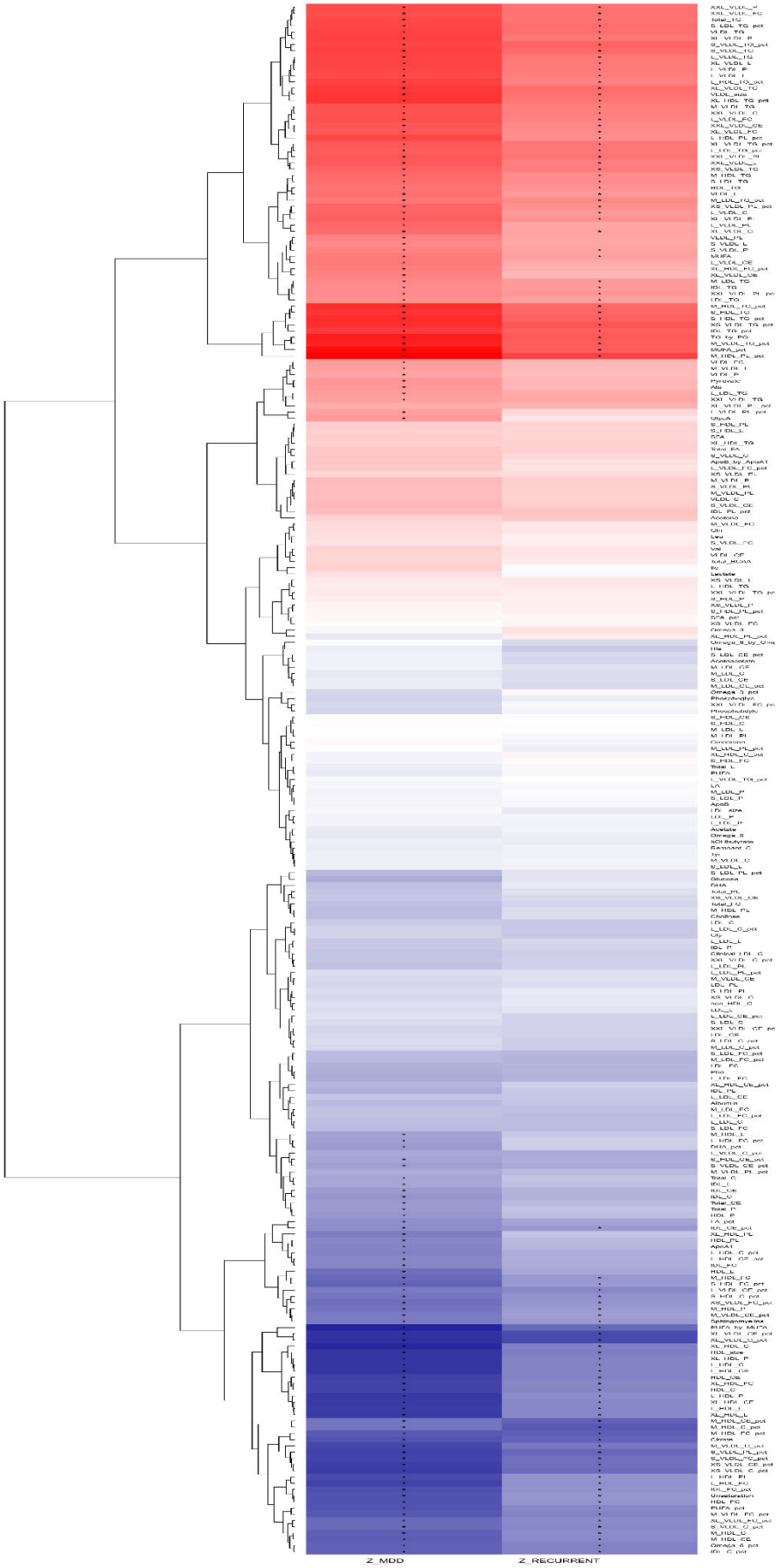
eFigure 2. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 1



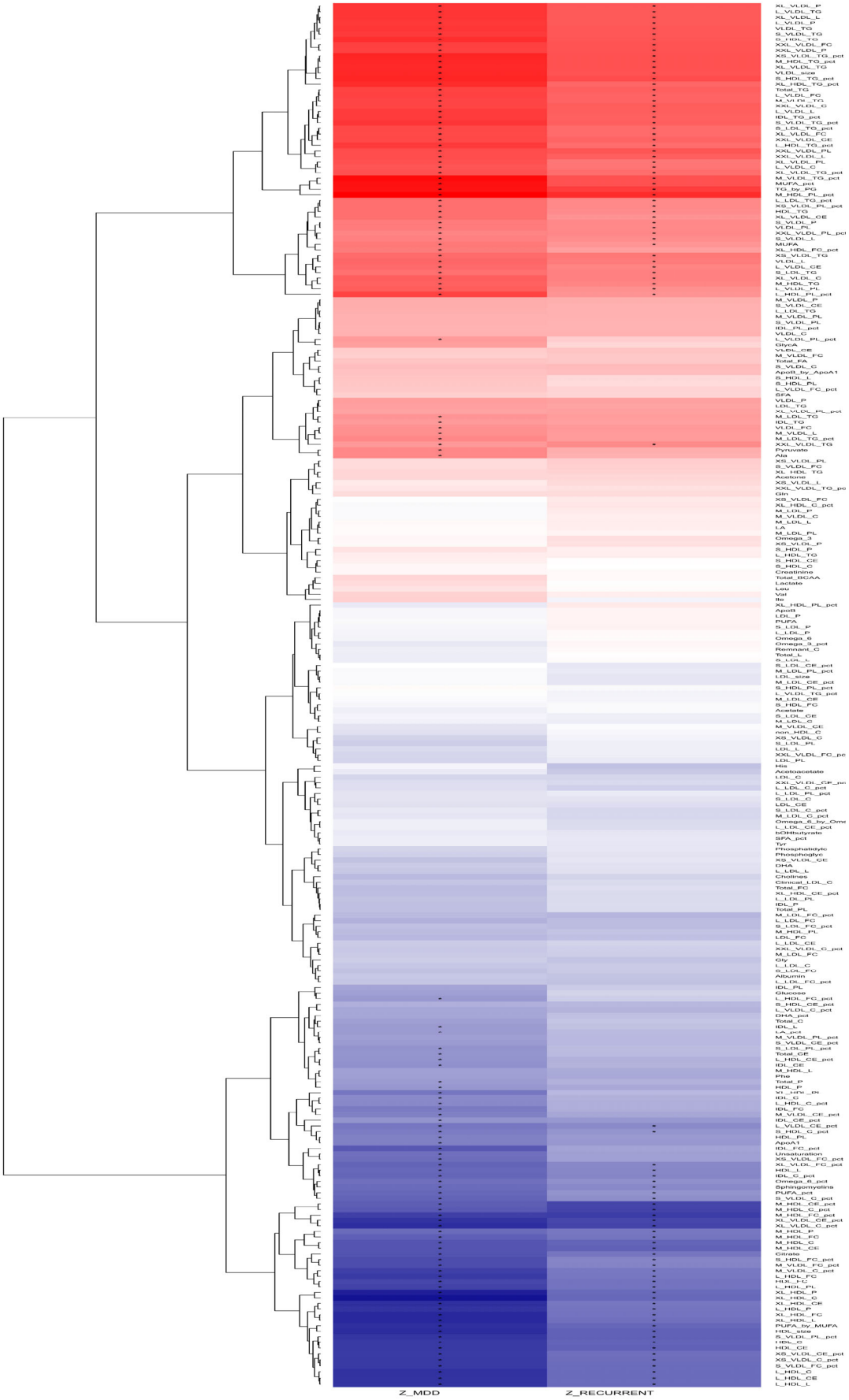
eFigure 3. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 2



eFigure 4. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 3



eFigure 5. Results of metabolome-wide association analysis for lifetime MDD and recurrent MDD for model 4



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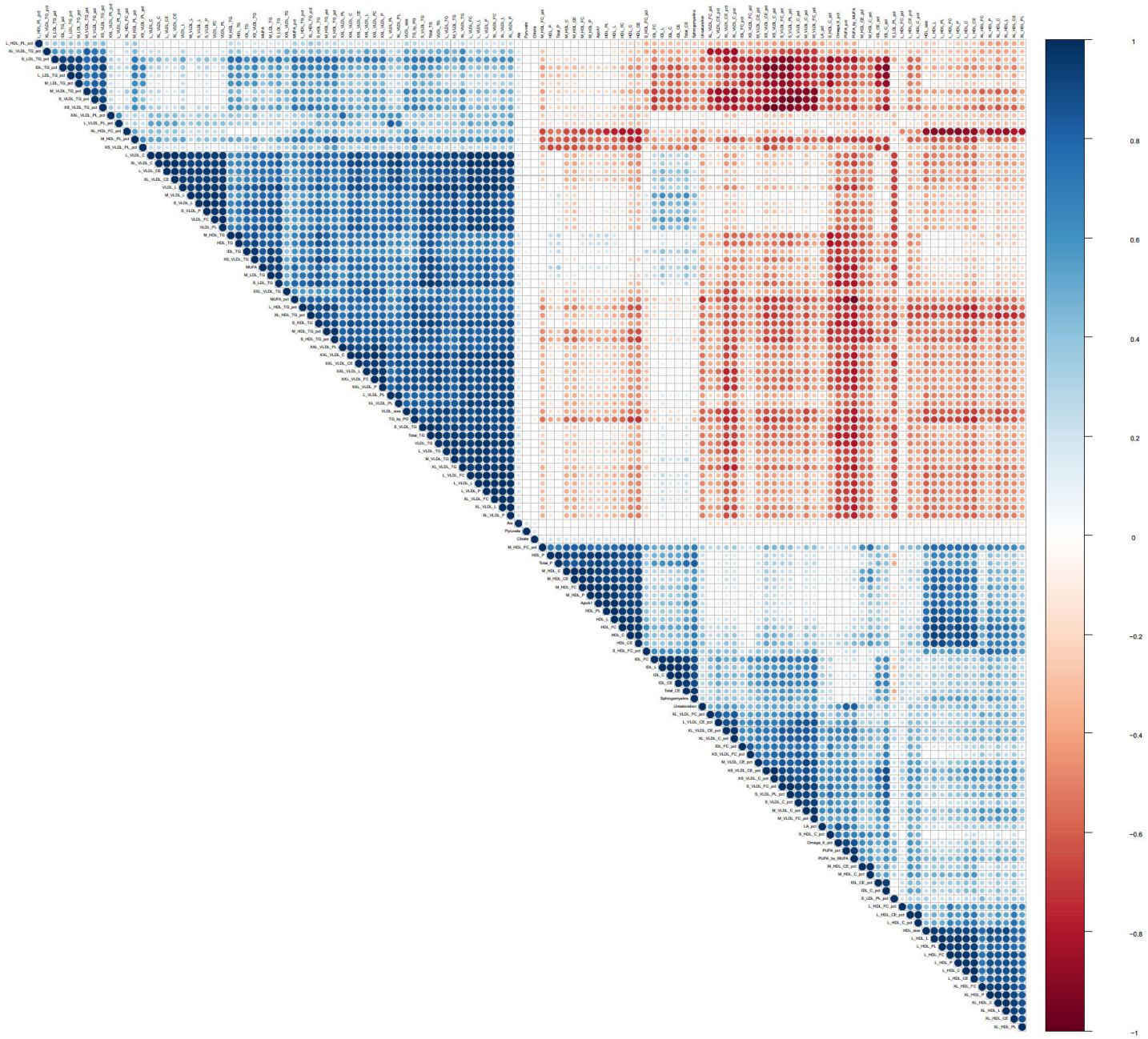

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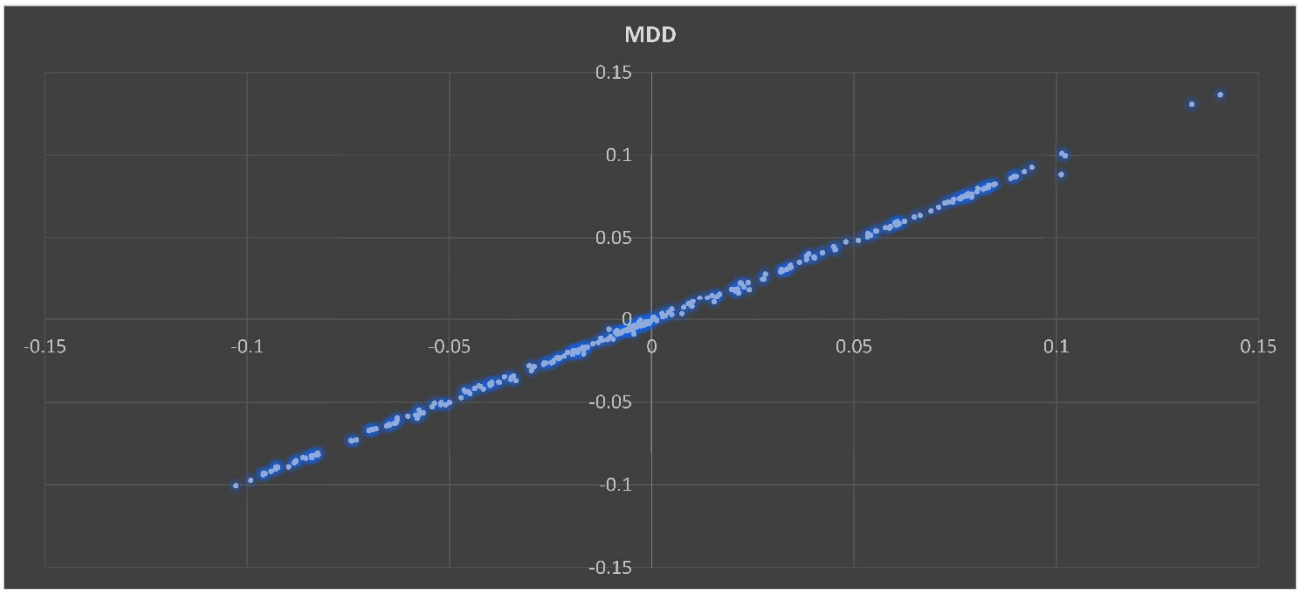
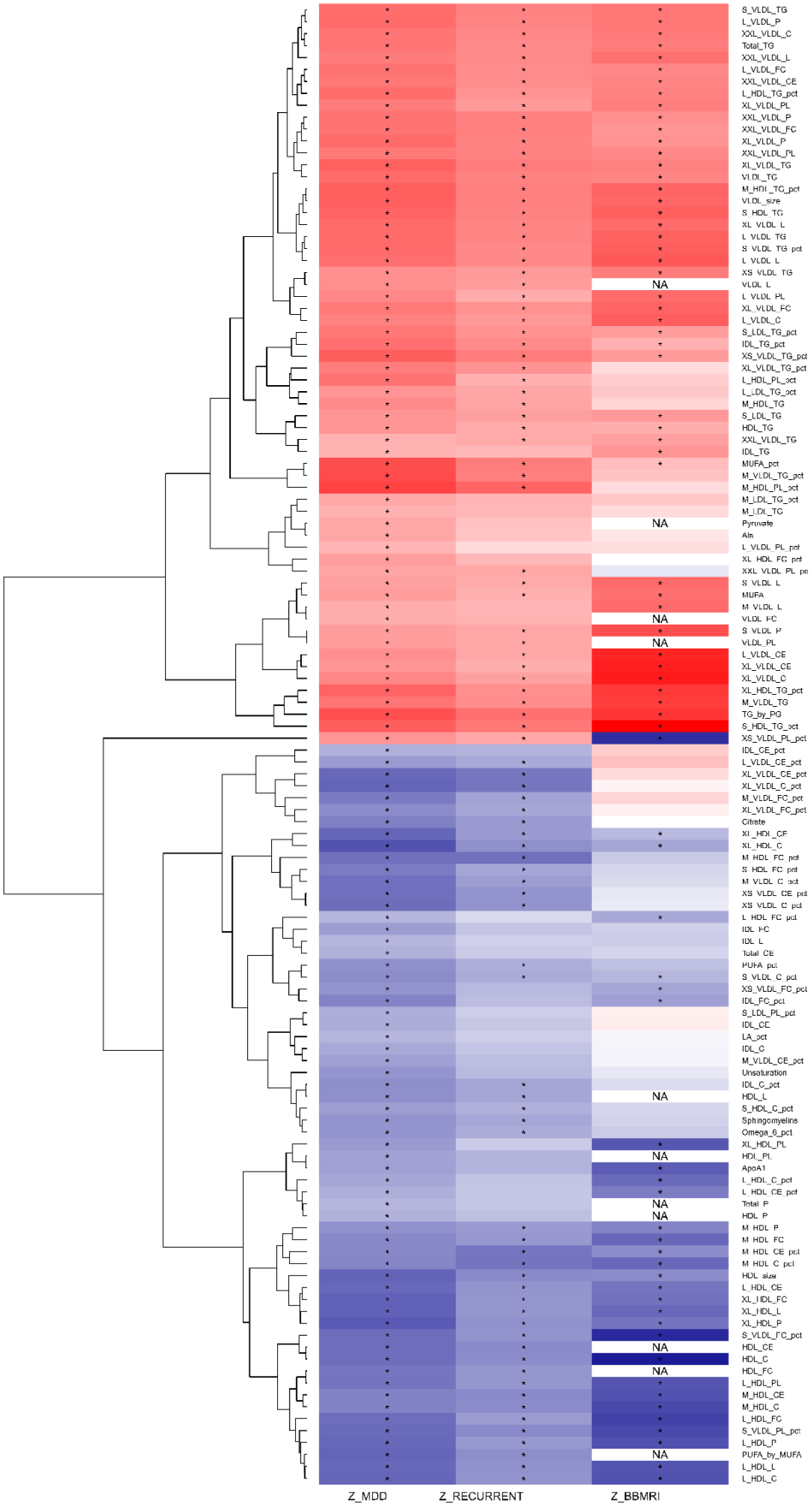
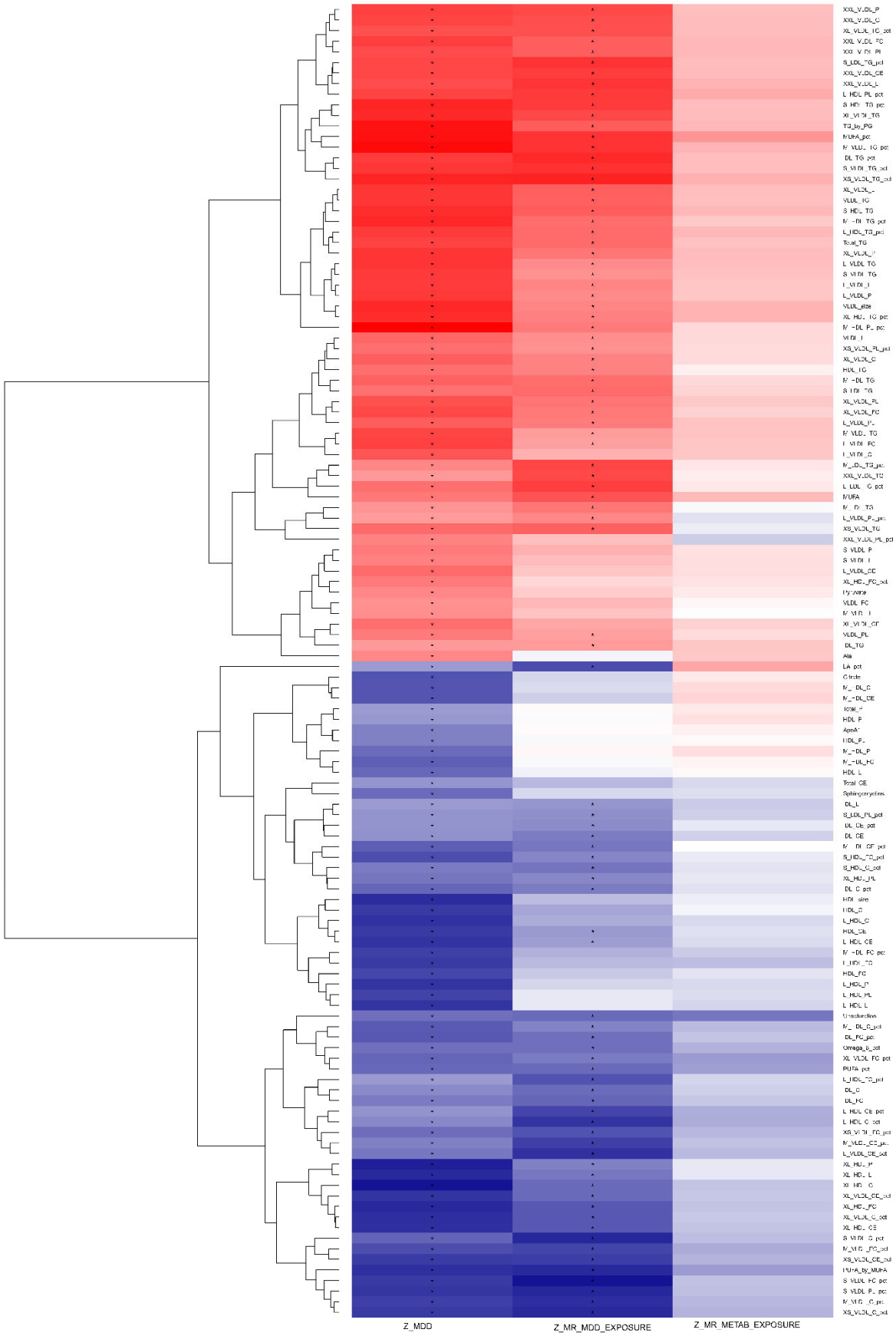


eFigure 8. Significantly associated metabolites with MDD in model 4 and the results of replication in BBMRI-NL study



eFigure 9. Results of Mendelian Randomization for the 124 associated metabolites in model 4



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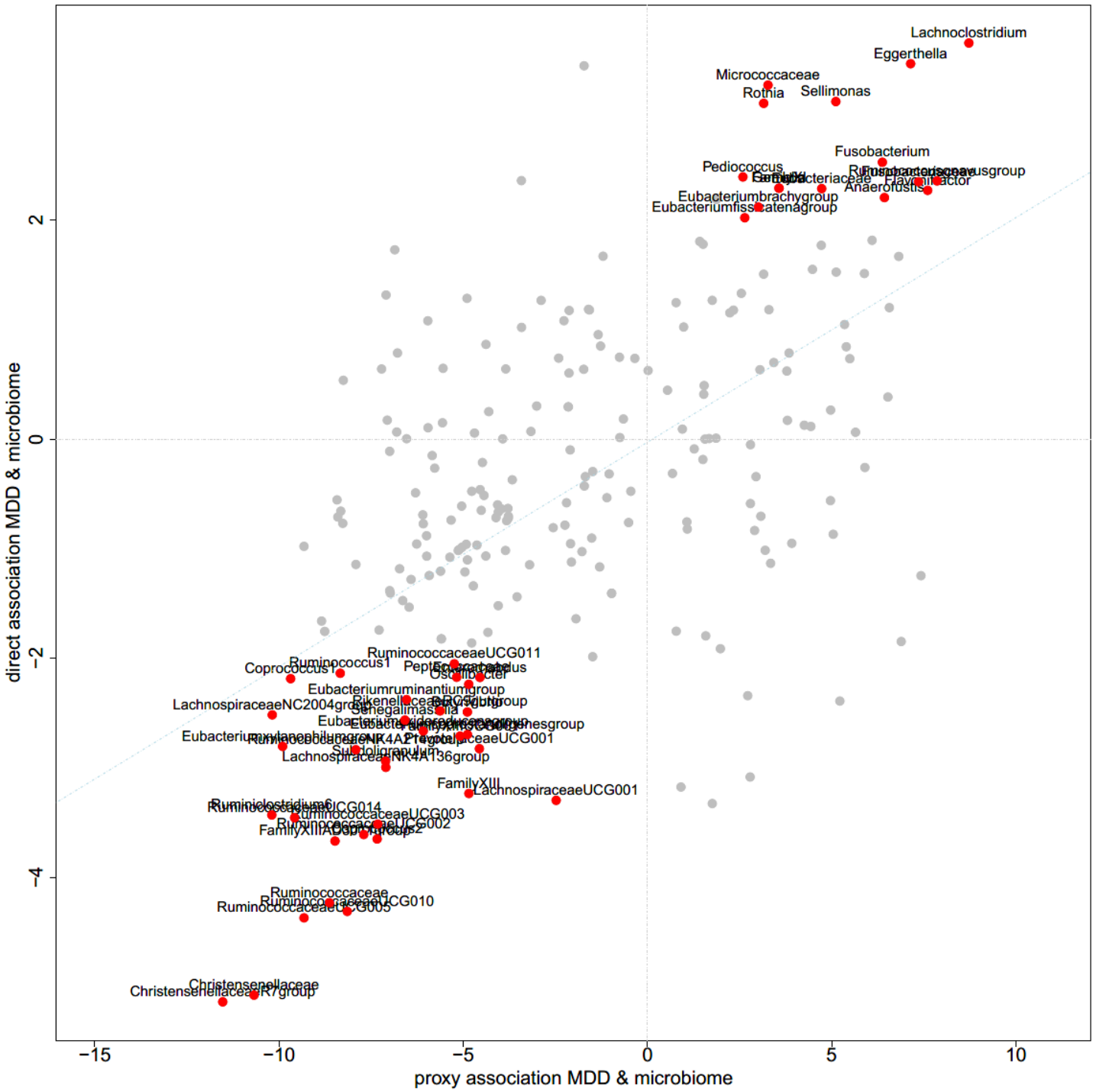

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