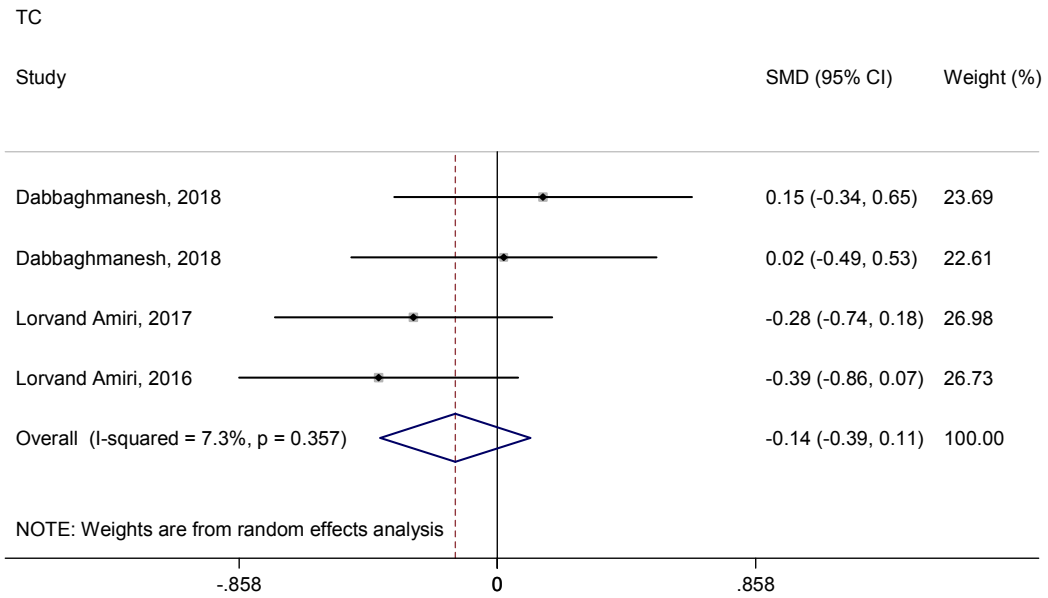
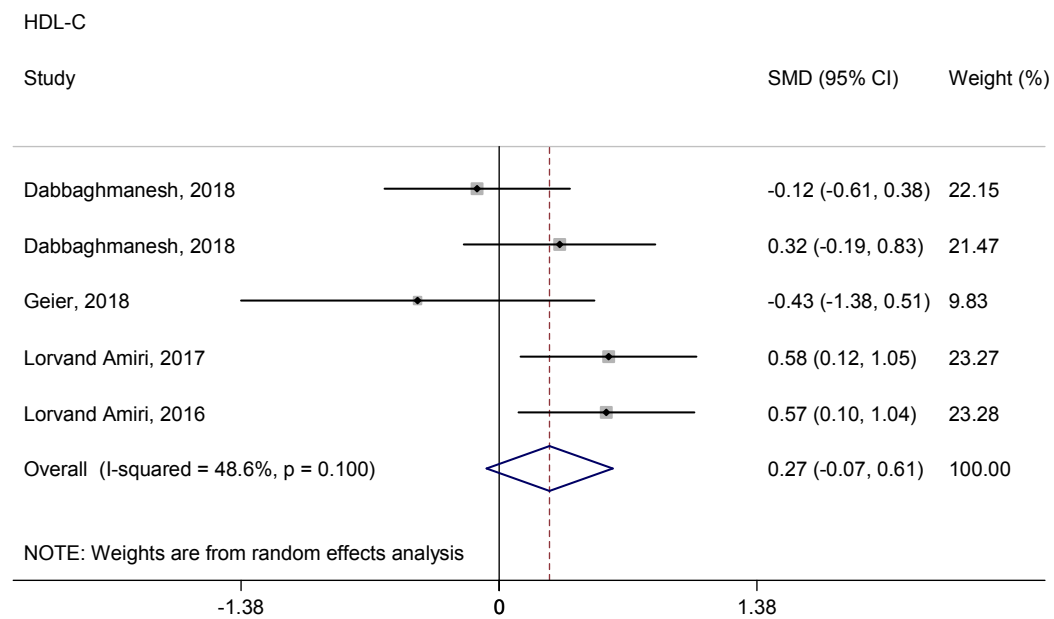


Supplementary Table 1. Assessment of risk of bias across of the 10 eligible RCTs

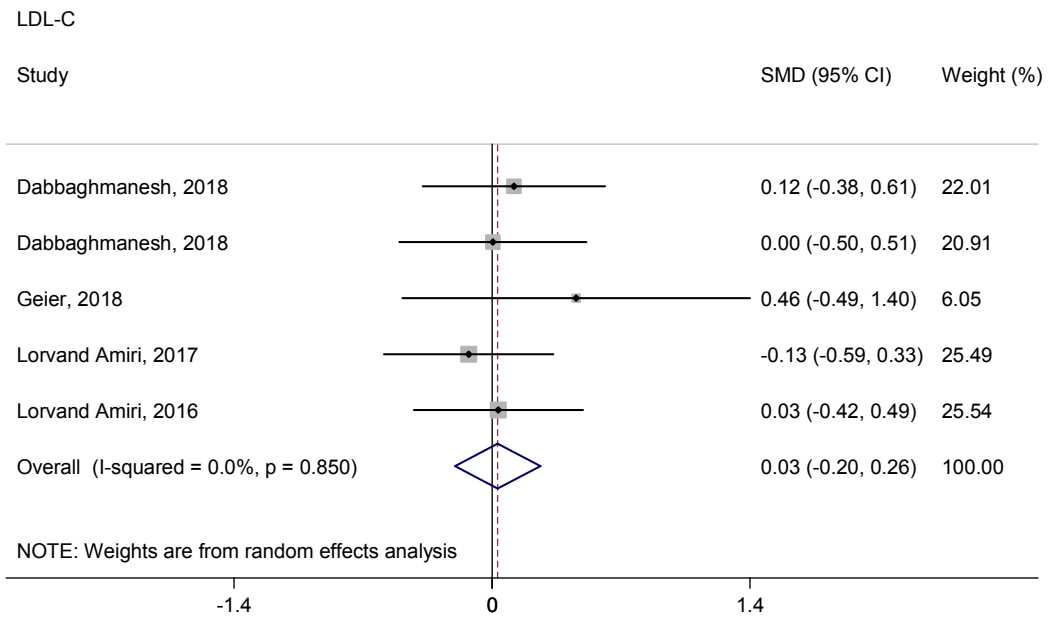
Author, year	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Barchetta, 2016	Low risk	Unclear risk	Low risk	Unclear risk	Low risk	Unclear risk	Low risk
Dabbaghmanesh, 2018	Low risk	Unclear risk	Low risk	Unclear risk	Low risk	Unclear risk	Low risk
Dabbaghmanesh, 2018	Low risk	Unclear risk	Low risk	Unclear risk	Low risk	Unclear risk	Low risk
Foroughi, 2014, 2016	High risk	Unclear risk	High risk	Unclear risk	High risk	Unclear risk	High risk
Geier, 2018	High risk	Unclear risk	High risk	Unclear risk	Low risk	Unclear risk	High risk
Lorvand Amiri, 2017	Low risk	Unclear risk	Low risk	Unclear risk	Low risk	Unclear risk	Low risk
Lorvand Amiri, 2016	High risk	Unclear risk	Low risk	Unclear risk	Low risk	Unclear risk	Low risk
Sakpal, 2017	High risk	Unclear risk	High risk	Unclear risk	High risk	Unclear risk	High risk
Sharifi, 2014	Low risk	Low risk	Low risk	Unclear risk	Low risk	Unclear risk	Low risk
Taghvaei, 2018	High risk	Unclear risk	Low risk	Unclear risk	Low risk	Unclear risk	Low risk



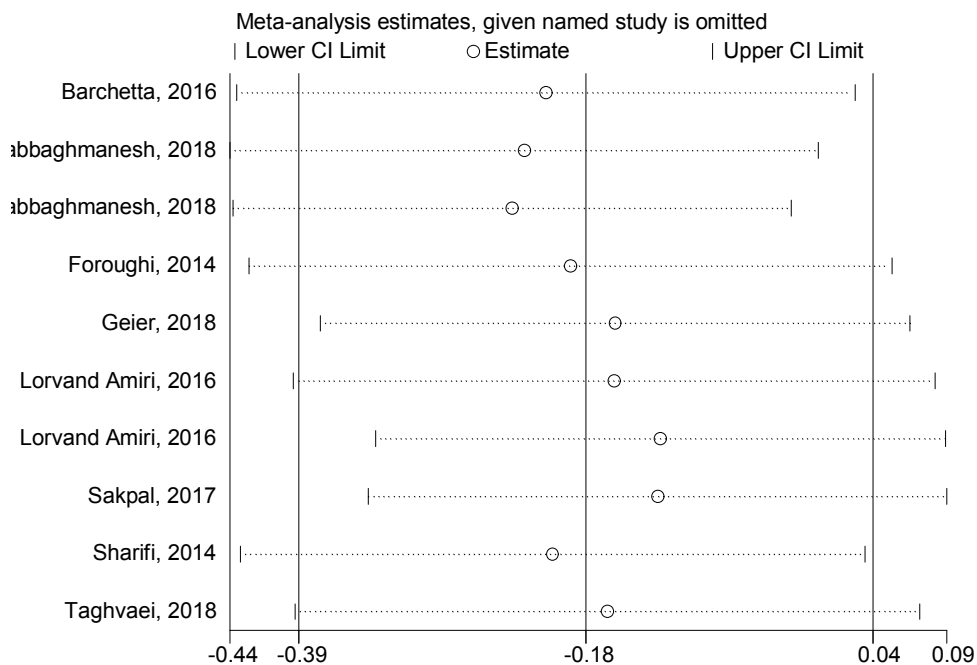
Supplementary Figure 1. Effect of supplemental vitamin D on TC concentrations in NAFLD patients



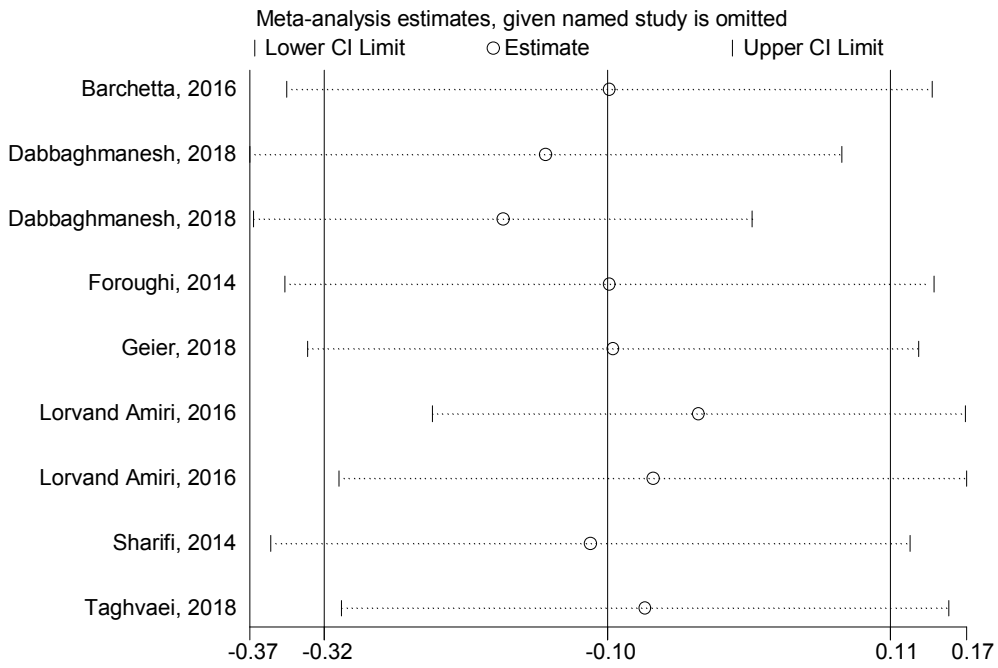
Supplementary Figure 2. Effect of supplemental vitamin D on HDL-C concentrations in NAFLD patients



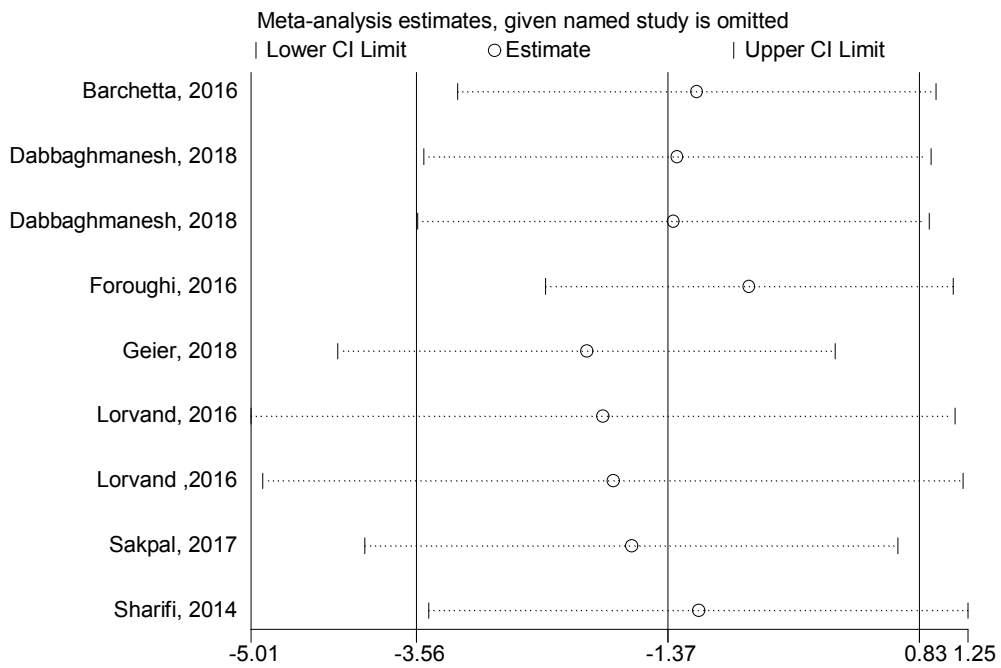
Supplementary Figure 3. Effect of supplemental vitamin D on LDL-C concentrations in NAFLD patients



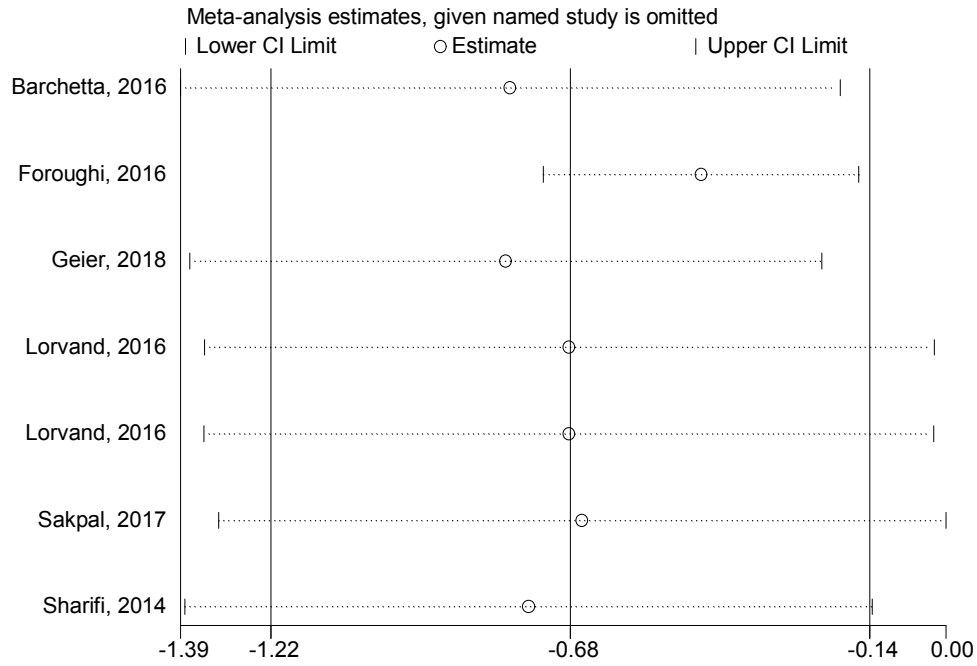
Supplementary Figure 4. Sensitivity analysis of 10 trials evaluating ALT concentrations



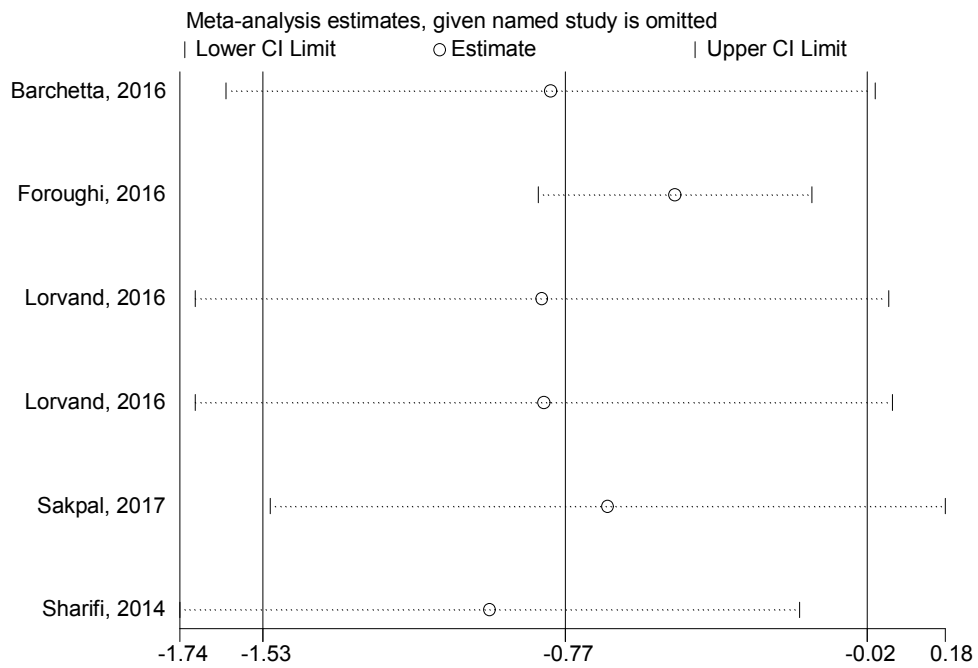
Supplementary Figure 5. Sensitivity analysis of 9 trials evaluating AST concentrations



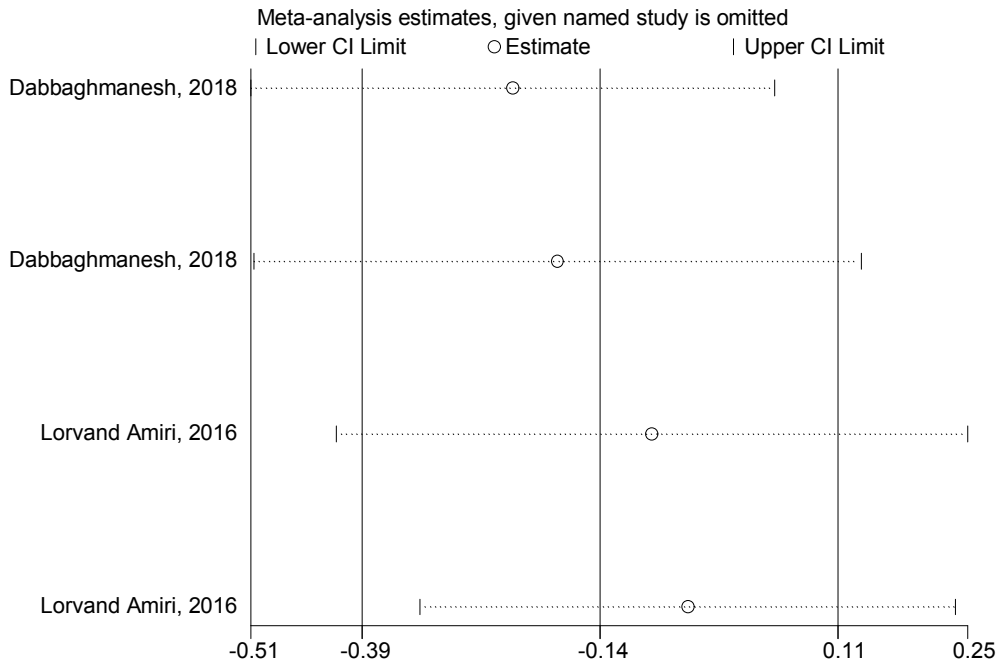
Supplementary Figure 6. Sensitivity analysis of 9 trials evaluating glucose concentrations



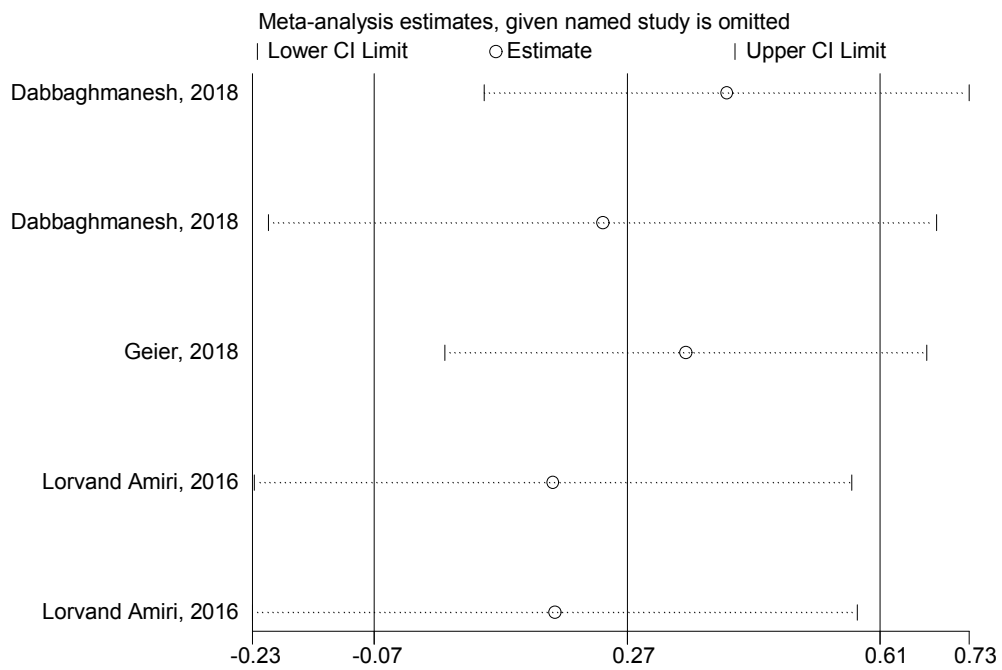
Supplementary Figure 7. Sensitivity analysis of 7 trials evaluating insulin concentrations



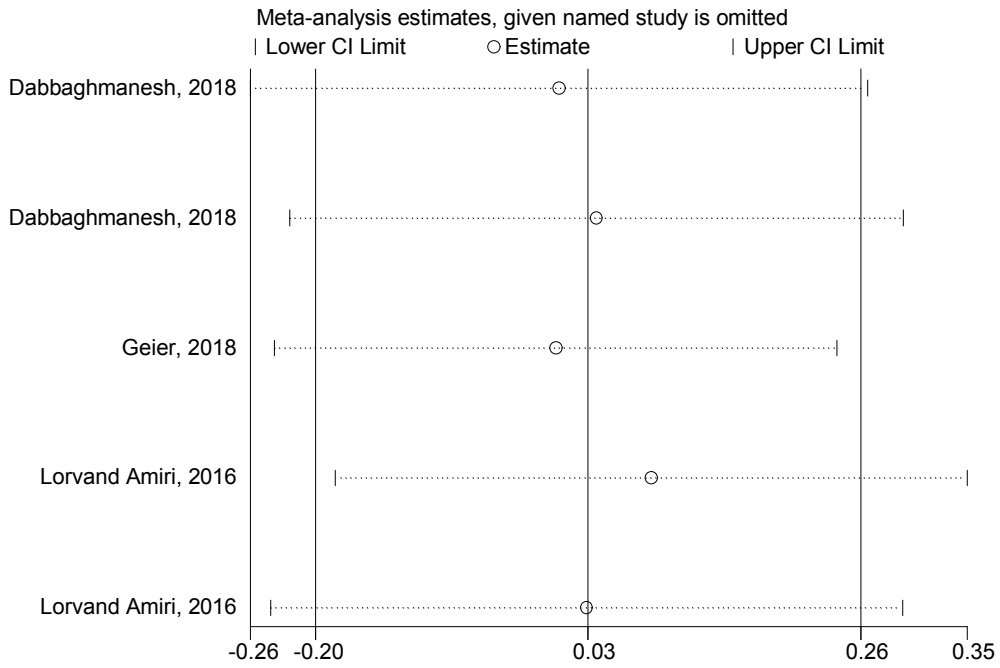
Supplementary Figure 8. Sensitivity analysis of 6 trials evaluating HOMA-IR levels



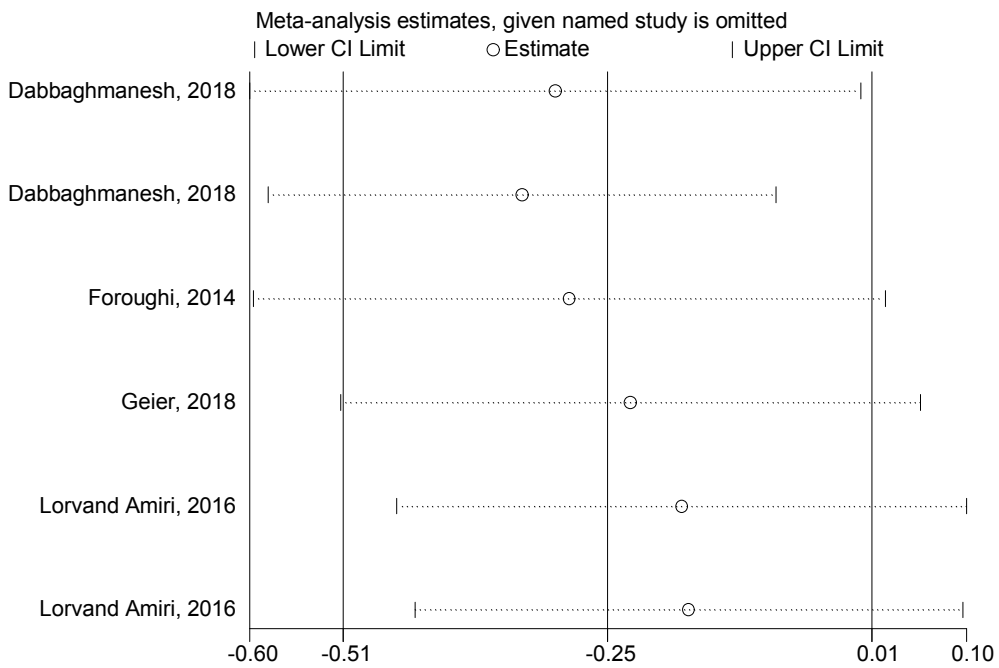
Supplementary Figure 9. Sensitivity analysis of 4 trials evaluating TC concentrations



Supplementary Figure 10. Sensitivity analysis of 5 trials evaluating HDL-C concentrations



Supplementary Figure 11. Sensitivity analysis of 5 trials evaluating LDL-C concentrations



Supplementary Figure 12. Sensitivity analysis of 6 trials evaluating TAG concentrations