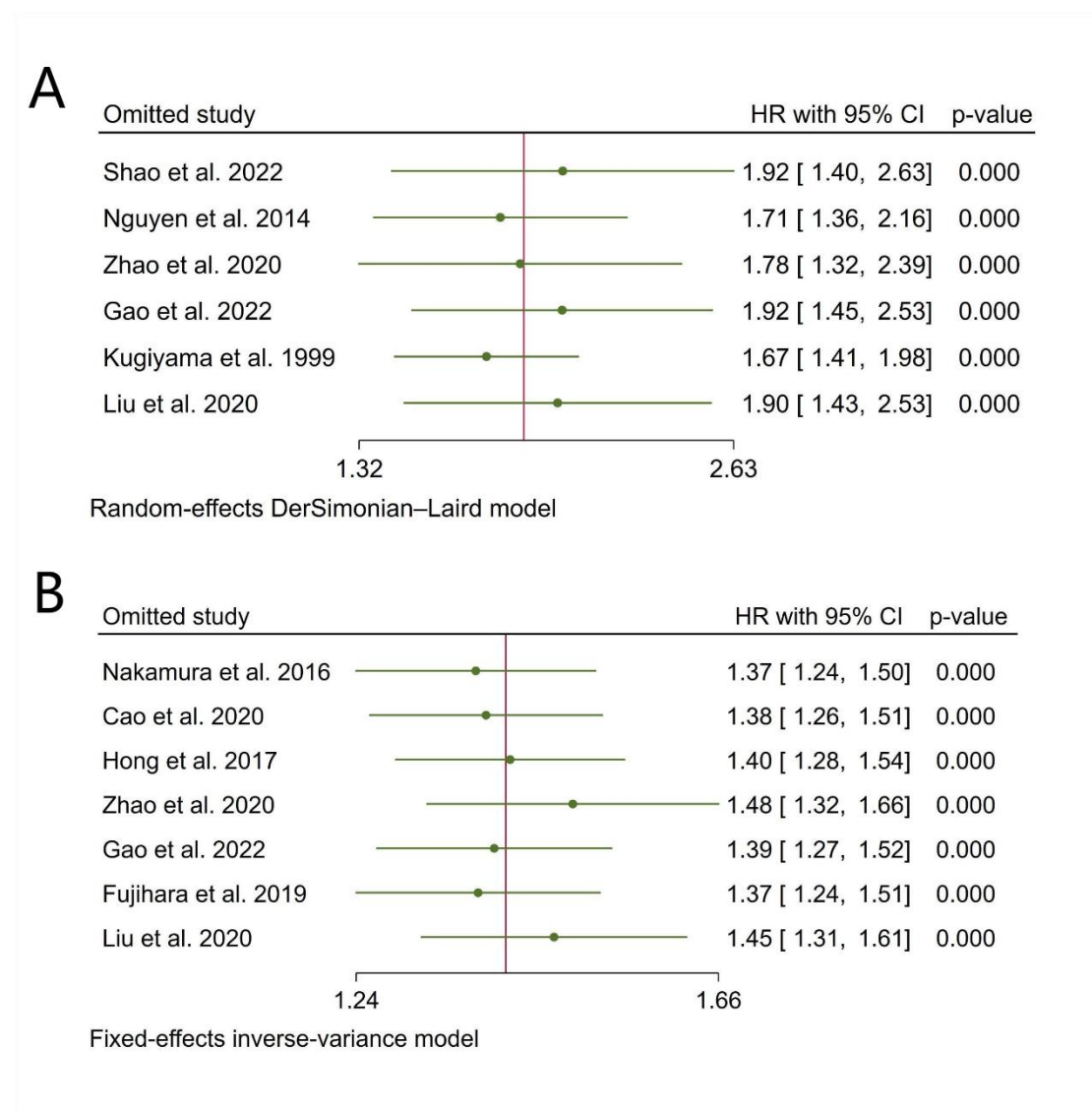**Item S1: Search Strategy**

PubMed:

("remnant-like particle cholesterol" [Supplementary Concept] OR "remnant cholesterol" OR "remnant lipoprotein" OR "RLP-C")
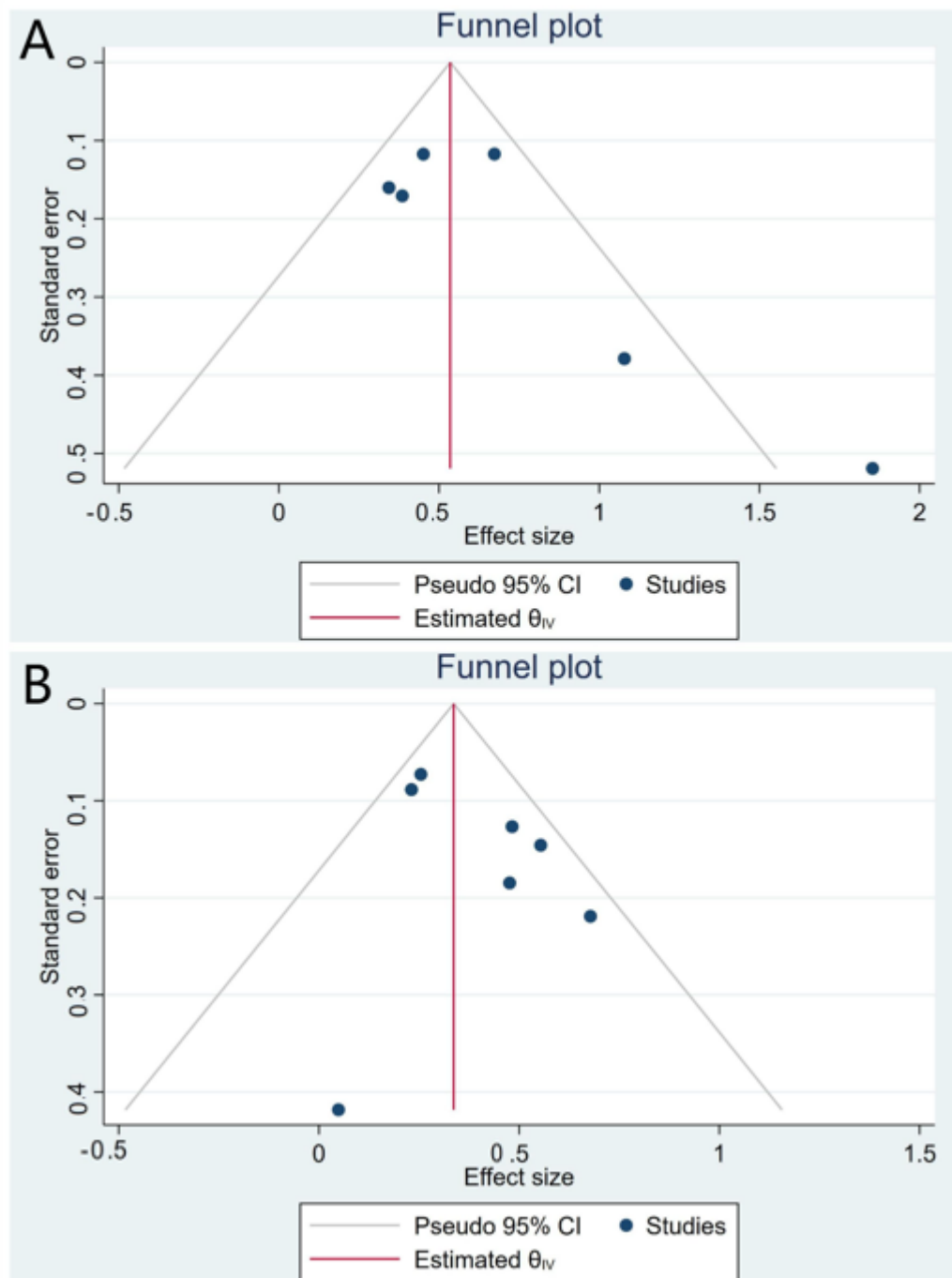
Embase:

('remnant like particle cholesterol'/exp OR 'remnant cholesterol' OR 'remnant lipoprotein' OR 'RLP-C')

Supplementary Figure S1

Supplementary Figure S1. Sensitivity analysis for leave one study out. **A** The RLP-C analyzed as a categorical variable. **B** The RLP-C analyzed as a continuous variable. References involved in the study: [14,15,17,20,22–26]

Supplementary Figure S2

Supplementary Figure S2. Funnel plots for publication bias test of the meta-analysis. **A** The RLP-C analyzed as a categorical variable. **B** The RLP-C analyzed as a continuous variable