

	Selection					Comparability	Outcome			
STUDY TITLE	AUTHOR	Case Definition Adequate?	Representatives of the cases?	Selection of Controls	Definition of controls	Comparability of cases and controls on the basis of the design or analysis	Ascertainment of Exposure	Same method of ascertainment for cases and controls?	Non-response rate	Overall Score
Altered asparagine and glutamate homeostasis precede coronary artery disease and type 2 diabetes	F Ottosson [31]	★	-	★	★	★★	★	★	-	7
Metabolic signatures and risk of type 2 diabetes in a Chinese population: an untargeted metabolomics study using both LC-MS and GC-MS	A Stancáková [44]	★	-	★	★	★★	★	★	★	8
Plasma metabolites associated with type 2 diabetes in a Swedish population: a case-control study nested in a prospective cohort	L Shi [47]	★	★	★	★	★★	★	★	★	9
Metabolite profiles and the risk of developing diabetes (Framingham Heart Study)	T Wang [41]	★	-	★	★	★★	★	★	★	8
Metabolite Profiles and the Risk of Developing Diabetes (Malmö Heart Study)	T Wang [41]	★	-	★	★	★★	★	★	★	8
Identification of Serum Metabolites Associated With Risk of Type 2 Diabetes Using a Targeted Metabolomic Approach	A Floegel [42]	★	★	★	★	★★	★	★	-	8
Novel biomarkers for pre-diabetes identified by metabolomics	R Wang-Sattler [43]	★	★	★	★	★★	★	★	★	9
Hyperglycemia and a common variant of GCKR are associated with the levels of eight amino acids in 9,369 Finnish men	A Stancáková [44]	★	-	★	★	★★	★	★	-	7
Diabetes risk and amino acid profiles: cross-sectional and prospective analyses of ethnicity, amino acids and diabetes in a South Asian and European cohort from the SABRE (Southall And Brent REvisited) Study (South Asian Male Patients)	T Tillin [45]	★	-	★	★	★★	★	★	★	8
Diabetes risk and amino acid profiles: cross-sectional and prospective analyses of ethnicity, amino acids and diabetes in a South Asian and European cohort from the SABRE (Southall And Brent REvisited) Study (European Male Patients)	T Tillin [45]	★	-	★	★	★★	★	★	★	8
Metabolomic Profile Associated With Insulin Resistance and Conversion to Diabetes in the Insulin Resistance Atherosclerosis Study	ND Palmer [29]	★	★	★	★	★★	★	★	-	8