

Supplemental Tables

Table S1. Characteristics of the studies included in the meta-analysis.

First author [reference]	Year	Ethnicity	Gender	Study population	Total sample size	Outcomes
Matsunaga H [1]	2001	Japanese	M/F	Patients with type 2 diabetes mellitus	412	TG, TC, HDL-C
Kokaze A1 [2]	2001	Japanese	M	Healthy subjects	362	TG, TC, LDL-C, HDL-C
Kokaze A2 [2]	2001	Japanese	F	Healthy subjects	99	TG, TC, LDL-C, HDL-C
Ohkubo R1 [3]	2002	Japanese	M/F	Patients with cerebral hemorrhage or infarction	127	TG, TC, HDL-C
Ohkubo R2 [3]	2002	Japanese	M/F	Healthy subjects	294	TG, TC, HDL-C
Lai S [4]	2005	Chinese	M	Healthy subjects	211	TG, TC, LDL-C, HDL-C
Gu JG [5]	2005	Chinese	M/F	Patients with type 2 diabetes mellitus	174	TG, TC, LDL-C, HDL-C
Kokaze A1 [6]	2005	Japanese	M	Healthy subjects	91	TG, TC, HDL-C
Kokaze A2 [6]	2005	Japanese	M	Healthy subjects	138	TG, TC, HDL-C
Kokaze A3 [6]	2005	Japanese	M	Patients with obesity	67	TG, TC, HDL-C
Song XY [7]	2006	Chinese	M/F	Patients with type 2 diabetes mellitus	1039	TG, TC, LDL-C, HDL-C
Hu XM [8]	2010	Chinese	M/F	Patients with type 2 diabetes mellitus	220	TG, TC, LDL-C, HDL-C
Kokaze A [9]	2012	Japanese	M	Healthy subjects	394	TG, TC, LDL-C, HDL-C
Honmyo R [10]	2012	Japanese	M	Healthy subjects	110	TG, LDL-C, HDL-C
Li WX [11]	2013	Chinese	M/F	Patients with type 2 diabetes mellitus	448	TG, TC, LDL-C, HDL-C
Yang XJ1 [12]	2015	Chinese	M/F	Patients with type 2 diabetes mellitus and control subjects	1894	TG, TC, LDL-C, HDL-C
Yang XJ2 [12]	2015	Chinese	M/F	Patients with type 2 diabetes mellitus	1103	TG, TC, LDL-C, HDL-C
Ohtsu I [13]	2019	Japanese	M	Healthy subjects	404	TG, TC, LDL-C, HDL-C

M: male; F: female; TG: triglycerides; TC: total cholesterol; LDL-C: low-density lipoprotein cholesterol; HDL-C: high-density lipoprotein cholesterol.

Table S2. Serum lipid levels by the m.5178C>A variant.

First author, reference	Number		TG, mmol/L		TC, mmol/L		LDL-C, mmol/L		HDL-C, mmol/L	
	C	A	C	A	C	A	C	A	C	A
Matsunaga H [1]	243	169	1.78±0.88	1.69±1.47	5.02±0.6	4.86±0.64	-	-	1.42±0.24	1.42±0.27
Kokaze A1 [2]	214	148	1.46±0.7	1.43±0.71	5.29±0.88	5.22±0.89	3.21±0.83	3.06±0.85	1.41±0.37	1.50±0.38
Kokaze A2 [2]	55	44	1.23±0.52	0.96±0.52	5.72±0.83	5.63±0.84	3.51±0.77	3.45±0.78	1.65±0.41	1.74±0.41
Ohkubo R1 [3]	89	38	1.4±0.52	1.11±0.3	5.44±0.95	4.8±1.1	-	-	1.23±0.31	1.15±0.4
Ohkubo R2 [3]	164	130	1.16±0.37	1.27±0.44	5.44±0.71	5.66±0.74	-	-	1.52±0.37	1.54±0.34
Lal S [4]	184	27	1.64±0	1.68±0	5.41±1.25	5.79±1.53	3.51±1.31	3.76±1.27	1.28±0.36	1.27±0.35
Gu JG [5]	113	61	1.54±0.83	1.48±0.67	4.68±0.73	4.21±0.9	2.52±0.49	2.48±0.59	0.89±0.26	1.08±0.48
Kokaze A1 [6]	55	36	1.34±0.63	1.15±0.63	5.25±0.81	5.29±0.82	-	-	1.54±0.46	1.68±0.45
Kokaze A2 [6]	86	52	1.44±0.69	1.31±0.68	5.3±0.98	5.15±0.99	-	-	1.41±0.31	1.46±0.32
Kokaze A3 [6]	34	33	1.59±0.72	1.85±0.72	5.26±0.8	5.33±0.8	-	-	1.25±0.29	1.3±0.3
Song XY [7]	737	302	1.92±1.18	2.13±1.63	5.42±1.24	5.57±1.14	1.3±0.33	1.35±0.39	3.09±0.91	3.17±0.92
Hu XM [8]	172	48	1.56±0.87	1.72±0.66	4.58±1.15	4.89±1.57	2.43±0.8	2.38±0.71	1.23±0.46	1.15±0.34
Kokaze A [9]	239	155	1.54±1.03	1.58±1.03	-	-	3.14±0.9	3.05±0.79	1.41±0.35	1.46±0.42
Honmyo R [10]	64	46	-	-	5.24±0.94	5.28±0.87	3.17±0.83	3.18±0.77	1.41±0.3	1.34±0.29
Li WX [11]	348	100	2.1±1.2	1.8±1.2	4.3±0.9	4.3±1	2.4±0.8	2.4±0.7	1.2±0.3	1.3±0.2
Yang XJ1 [12]	1472	422	1.57±1.32	1.49±1.12	4.65±1.14	4.78±1.08	2.66±0.87	2.69±0.96	1.24±0.4	1.3±0.42
Yang XJ2 [12]	857	246	1.75±1.36	1.72±1.26	4.49±1.18	4.61±1.14	2.71±0.94	2.77±0.96	1.14±0.42	1.2±0.43
Ohtsu I [13]	247	157	1.55±1.03	1.57±1.02	-	-	3.14±0.89	3.05±0.8	1.41±0.35	1.45±0.42

TG: triglycerides; TC: total cholesterol; LDL-C: low-density lipoprotein cholesterol; HDL-C: high-density lipoprotein cholesterol.