

**Supplementary Table 1.** Baseline clinical characteristics in relations to Hp1S allele

Characteristic	Patients who have been genotyped for haptoglobin			P*
	All (n=395)	Hp1S carriers (n=141)	Non-Hp1S carriers (n=254)	
Age (yr)	71.0 [66.0–77.0]	70.0 [64.5–76.0]	72.0 [67.0–77.7]	0.034
Female sex	123 (35.6)	45 (31.7)	33 (35.1)	0.142
Body mass index (kg/m <sup>2</sup> )	26.4 [24.1–29.2]	26.0 [23.6–28.8]	26.5 [24.1–29.3]	0.896
Diabetes mellitus	82 (23.7)	26 (17.4)	23 (24.3)	0.073
Hypertension	257 (74.4)	109 (77.7)	65 (70.2)	0.412
Heart disease	116 (33.6)	44 (30.1)	30 (33.7)	0.322
Peripheral arterial disease	49 (14.2)	21 (16.6)	16 (18.9)	0.594
Degree of stenosis (%)	90.0 [75.0–95.0]	90.0 [75.0–95.0]	90.0 [75.0–95.0]	0.966
Symptomatic	276 (80.0)	112 (77.7)	71 (78.3)	0.553
LDL <sup>†</sup> (mmol/L)	2.6 [1.9–3.6]	2.7 [2.0–3.3]	2.5 [1.8–3.4]	0.421
HDL <sup>†</sup> (mmol/L)	1.1 [0.9–1.4]	1.2 [0.9–1.4]	1.2 [0.9–1.4]	0.639
TG <sup>†</sup> (mmol/L)	1.3 [1.0–1.8]	1.3 [1.0–1.7]	1.3 [1.0–1.8]	0.880
TC <sup>†</sup> (mmol/L)	4.3 [3.5–5.4]	4.4 [3.7–5.3]	4.3 [3.5–5.4]	0.941
HbA1c <sup>†</sup> (mmol/L)	41.0 [37.0–47.0]	41.0 [37.0–43.0]	40.0 [37.0–47.9]	0.079
Hb <sup>†</sup> (g/dL)	13.8 [12.5–14.7]	14.0 [12.4–15.1]	13.6 [12.5–14.7]	0.224
WBC (×10 <sup>9</sup> cells/L)	7.8 [6.6–9.6]	7.6 [6.4–9.0]	7.9 [6.7–9.8]	0.176
eGFR (mL/min)	68.5 [55.8–88.5]	68.9 [56.3–88.6]	68.0 [55.7–88.5]	0.261

Continuous variables are presented as median [interquartile range]. Categorical variables are presented as n (%).

LDL, low-density lipoprotein; HDL, high-density lipoprotein; TG, triglycerides; TC, total cholesterol; HbA1c, hemoglobin A1c; Hb, hemoglobin; WBC, white blood cell count; eGFR, estimated glomerular filtration rate.

\*Comparison between Hp1S carriers and non-Hp1S carriers; <sup>†</sup>Obtained from patients in a fasting state.

**Supplementary Table 2.** Baseline clinical characteristics in relations to Hp1S allele for subjects with plaques assessed by immunohistochemistry

Characteristic	Patients with plaques assessed by immunohistochemistry			P*
	All (n=45)	Hp1S carriers (n=23)	Non-Hp1S carriers (n=22)	
Age (yr)	70.0 [64.0–74.5]	68.5 [63.0–75.0]	71.0 [66.2–74.5]	0.653
Female sex	16 (35.6)	8 (34.8)	8 (36.4)	0.913
Body mass index (kg/m <sup>2</sup> )	28.7 [25.2–30.4]	28.7 [23.2.9–30.3]	28.3 [25.9–30.9]	0.171
Diabetes mellitus	17 (37.8)	6 (26.1)	11 (50.0)	0.102
Hypertension	35 (77.8)	18 (78.3)	17 (77.3)	0.937
Heart disease	16 (35.6)	9 (39.1)	7 (31.8)	0.374
Peripheral arterial disease	8 (17.8)	6 (26.1)	2 (9.1)	0.140
Degree of stenosis (%)	90.0 [80.0–95.0]	90.0 [76.2–95.0]	90 [85.0–95.0]	0.449
Symptomatic	27 (60.0)	14 (60.9)	13 (59.1)	0.904
LDL <sup>†</sup> (mmol/L)	2.2 [1.6–2.8]	2.3 [1.8–2.7]	2.1 [1.6–3.0]	0.192
HDL <sup>†</sup> (mmol/L)	0.9 [0.8–1.2]	0.9 [0.8–1.2]	0.9 [0.7–1.2]	0.774
TG <sup>†</sup> (mmol/L)	1.8 [1.2–2.2]	1.8 [1.2–2.0]	1.6 [1.2–2.0]	0.200
TC <sup>†</sup> (mmol/L)	3.8 [3.3–4.7]	3.8 [3.4–4.6]	3.8 [3.3–5.2]	0.321
HbA1c <sup>†</sup> (mmol/L)	42.0 [39.0–50.0]	41.8 [37.0–55.0]	45.8 [37.0–55.0]	0.356
Hb (g/dL)	14.3 [12.9–14.8]	13.1 [12.3–14.6]	14.5 [13.8–15.0]	0.098
WBC (×10 <sup>9</sup> cells/L)	7.9 [6.4–9.2]	8.9 [6.8–10.3]	7.6 [5.9–8.3]	0.069
eGFR (mL/min)	75.0 [6.4–9.2]	75.0 [56.6–101.8]	75.0 [58.9–117.5]	0.837

Continuous variables are presented as median [interquartile range]. Categorical variables are presented as n (%).

LDL, low-density lipoprotein; HDL, high-density lipoprotein; TG, triglycerides; TC, total cholesterol; HbA1c, hemoglobin A1c; Hb, hemoglobin; WBC, white blood cell count; eGFR, estimated glomerular filtration rate.

\*Comparison between Hp1S carriers and non-Hp1S carriers; <sup>†</sup>Obtained from patients in a fasting state.