

Table SI. Clinical characteristics of patients with CHD for human miRNA microarray analysis.

Characteristic	Patients with CHD and hyperglycemia (n=8)	Patients with CHD and normoglycemia (n=8)
Age, years	61 (54, 69)	62 (52, 70)
Sex, female/male	5/3	4/4
BMI, kg/m ²	24.56 (21.30, 28.26)	25.90 (22.05, 27.70)
SBP, mmHg	135 (121, 156)	130 (118, 155)
DBP, mmHg	71 (63, 84)	73 (66, 82)
TC, mmol/l	3.77 (3.12, 4.50)	4.04 (2.98, 4.62)
TG, mmol/l	1.94 (1.15, 2.47)	1.80 (1.34, 2.49)
LDL-C, mmol/l	2.25 (1.36, 2.86)	2.09 (1.52, 3.22)
HDL-C, mmol/l	1.03 (0.84, 1.40)	1.18 (0.77, 1.59)
Hba1c, %	9.46 (8.22, 10.78)	4.95 (4.43, 5.53)
FBG, mmol/l	8.17 (6.50, 9.29)	4.91 (4.06, 5.72)
Number of stenotic vessels	2.65 (2.12, 3.30)	2.13 (1.64, 2.38)
Severity of stenosis, %	74.28 (66.53, 85.47)	61.35 (43.10, 73.25)
SYNTAX score	30.0 (23.50, 36.0)	23.0 (14.0, 29.0)

Data are expressed as the median (interquartile range). BMI, body mass index; DBP, diastolic blood pressure; FBG, fasting blood glucose; Hba1c, hemoglobin A1C; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; SBP, systolic blood pressure; SYNTAX, Synergy between Percutaneous Coronary Intervention with Taxus and Cardiac Surgery; TC, total cholesterol; TG, triglyceride.

Table SII. Spearman correlation analysis of the correlations between expression levels of the 10 differentially expressed miRNAs and biochemical parameters in patients with CHD and hyperglycemia.

miRNA	Correlation coefficient, rho-values						
	TC	TG	LDL-C	HDL-C	Hba1c	FBG	SYNTAX score
hsa-let-7b-5p	0.114	-0.105	-0.124	0.015	0.463 ^a	0.213	0.671 ^a
hsa-miR-4313	0.089	0.113	-0.153	-0.038	0.173	0.283	0.271
hsa-miR-4665-3p	0.145	-0.246	0.164	-0.075	-0.006	0.193	0.228
hsa-miR-940	0.003	-0.264	0.167	-0.135	0.347 ^b	-0.055	-0.285
hsa-miR-4459	0.138	0.081	0.182	0.258	-0.282	0.032	0.385 ^b
hsa-miR-4687-3p	-0.014	0.247	-0.142	-0.208	0.112	-0.005	0.106
hsa-miR-6087	-0.194	-0.297	0.079	0.235	-0.561 ^a	-0.167	-0.180
hsa-miR-6089	0.239	0.164	-0.224	-0.035	0.105	0.116	0.039
hsa-miR-6740-5p	0.012	-0.242	0.073	0.193	-0.033	-0.183	-0.192
hsa-miR-6800-5p	-0.149	0.229	0.013	-0.281	-0.441 ^a	0.171	0.254

^aP<0.001, ^bP<0.01. FBG, fasting blood glucose; Hba1c, hemoglobin A1C; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; miRNA/miR, microRNA; SYNTAX, Synergy between Percutaneous Coronary Intervention with Taxus and Cardiac Surgery; TC, total cholesterol; TG, triglyceride.

Table SIII. AUC, cut-off value, sensitivity and specificity of the 10 differentially expressed miRNAs for discriminating high SYNTAX score from low SYNTAX score in patients with CHD and hyperglycemia.

miRNA	AUC	95% CI	Cut-off value	Sensitivity	Specificity	P-value
hsa-let-7b-5p	0.930	0.875-0.985	2.735	0.792	0.954	<0.001 ^a
hsa-miR-4313	0.632	0.501-0.764	1.765	0.434	0.863	0.071
hsa-miR-4665-3p	0.546	0.408-0.684	0.620	0.509	0.727	0.529
hsa-miR-940	0.509	0.371-0.647	4.485	0.339	0.863	0.898
hsa-miR-4459	0.588	0.455-0.722	1.430	0.339	0.909	0.228
hsa-miR-4687-3p	0.525	0.380-0.671	4.20	0.471	0.681	0.727
hsa-miR-6087	0.587	0.437-0.738	7.475	0.717	0.50	0.233
hsa-miR-6089	0.512	0.363-0.660	3.870	0.584	0.50	0.870
hsa-miR-6740-5p	0.547	0.403-0.690	0.785	0.226	0.954	0.522
hsa-miR-6800-5p	0.666	0.532-0.80	2.545	0.339	0.955	0.024 ^b

^aP<0.001, ^bP<0.05. AUC, area under the curve; CI, confidence interval; miRNA/miR, microRNA.