



**Figure S1** The functional interaction between proteins with STRING analysis.

**Table S1** Serum concentrations of proteins based on the clinical characteristics of AMI patients

	APOE ( $\mu\text{g/mL}$ )	P value	AATC (mU/ML)	P value	FINC (ng/mL)	P value
Gender		0.786		0.524		0.104
Male (n=24)	83.29 $\pm$ 50.24		8321.17 $\pm$ 10553.34		46.12 $\pm$ 32.82	
Female (n=6)	71.84 $\pm$ 29.87		26891.00 $\pm$ 33451.78		25.14 $\pm$ 18.56	
Age		0.519		1.000		0.047*
<65 (n=14)	92.31 $\pm$ 61.78		11107.71 $\pm$ 18188.32		28.55 $\pm$ 24.66	
$\geq$ 65 (n=16)	70.83 $\pm$ 25.10		12281.88 $\pm$ 18070.62		53.63 $\pm$ 32.67	
ST-segment elevation		0.832		0.059		0.251
STEMI (n=25)	83.69 $\pm$ 51.04		13527.49 $\pm$ 18738.27		44.09 $\pm$ 33.19	
NSTEMI (n=5)	70.27 $\pm$ 20.27		1597.09 $\pm$ 1837.46		31.08 $\pm$ 19.08	
Vascular lesions		0.041*		0.799		0.702
Anterior descending vascular lesion (n=26)	73.84 $\pm$ 37.11		12310.65 $\pm$ 18689.15		41.59 $\pm$ 31.90	
Non-anterior descending vascular lesion (n=4)	123.30 $\pm$ 78.46		7355.06 $\pm$ 7771.52		44.11 $\pm$ 32.36	
Smoking		0.887		0.607		0.277
No smoking (n=8)	76.87 $\pm$ 32.56		23788.91 $\pm$ 29569.05		30.44 $\pm$ 25.70	
Smoking (n=22)	82.40 $\pm$ 50.82		7549.92 $\pm$ 9195.22		46.10 $\pm$ 32.76	
Drinking		0.616		0.793		0.233
No drinking (n=15)	69.85 $\pm$ 21.67		16077.16 $\pm$ 22992.56		35.64 $\pm$ 27.72	
Drinking (n=15)	91.69 $\pm$ 60.92		7110.80 $\pm$ 8192.18		48.22 $\pm$ 34.50	

The P value of two groups was analyzed with Mann-Whitney U test. \*, P<0.05.