Table S1 The basic information and the related medical records of patients

Variables	TAA 1	TAA 2	TAA 3	TAA 4	TAA 5	TAA 6	TAA 7	TAA 8	Control 1	Control 2	Control 3	Control 4	Control 5	Control 6	Control 7	Control 8
Sex	M	M	M	M	F	M	F	M	M	M	M	M	F	M	M	M
Age	51	42	28	54	43	55	41	45	65	45	47	11	53	45	52	52
Diagnosis and comments	TAA with ascending aorta and descending aortic arch	TAA with ascending aorta	TAA with ascending aorta	TAA with ascending aorta	TAA with ascending aorta	TAA with ascending aorta	TAA with ascending aorta and aortic arch	TAA with ascending aorta	Heart transplant recipient	Heart transplant recipient	Heart transplant recipient	Heart transplant recipient	Heart transplant recipient	Heart transplant recipient	Heart transplant recipient	Heart transplant recipient
Aortic diameter, mm	100	55	97	69	56	58	60	55	NA	NA	NA	NA	NA	NA	NA	NA
Smoking status	Yes	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
Diabetes mellitus	No	No	No	No	No	Yes	No	No	No	No	No	No	No	Yes	No	Yes
Hypertension	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Arteriosclerosis	No	No	No	Arterial plaque of lower extremity	Carotid plaque	Carotid plaque	No	No	No	No	No	No	No	No	Carotid plaque	No

TAA, thoracic aortic aneurysm.

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Table S2 The list of primers

Name	Primer sequence (5'-3')
U6-S	CTCGCTTCGGCAGCACA
U6-A	AACGCTTCACGAATTTGCGT
Hsa-miR-3198-RT	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCTCCATT
Hsa-miR-3198-S	ACACTCCAGCTGGGGTGGAGTCCTGGGGAA
Hsa-miR-4306-RT	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTACTGCCT
Hsa-miR-4306-S	ACACTCCAGCTGGGTGGAGAGAAAG

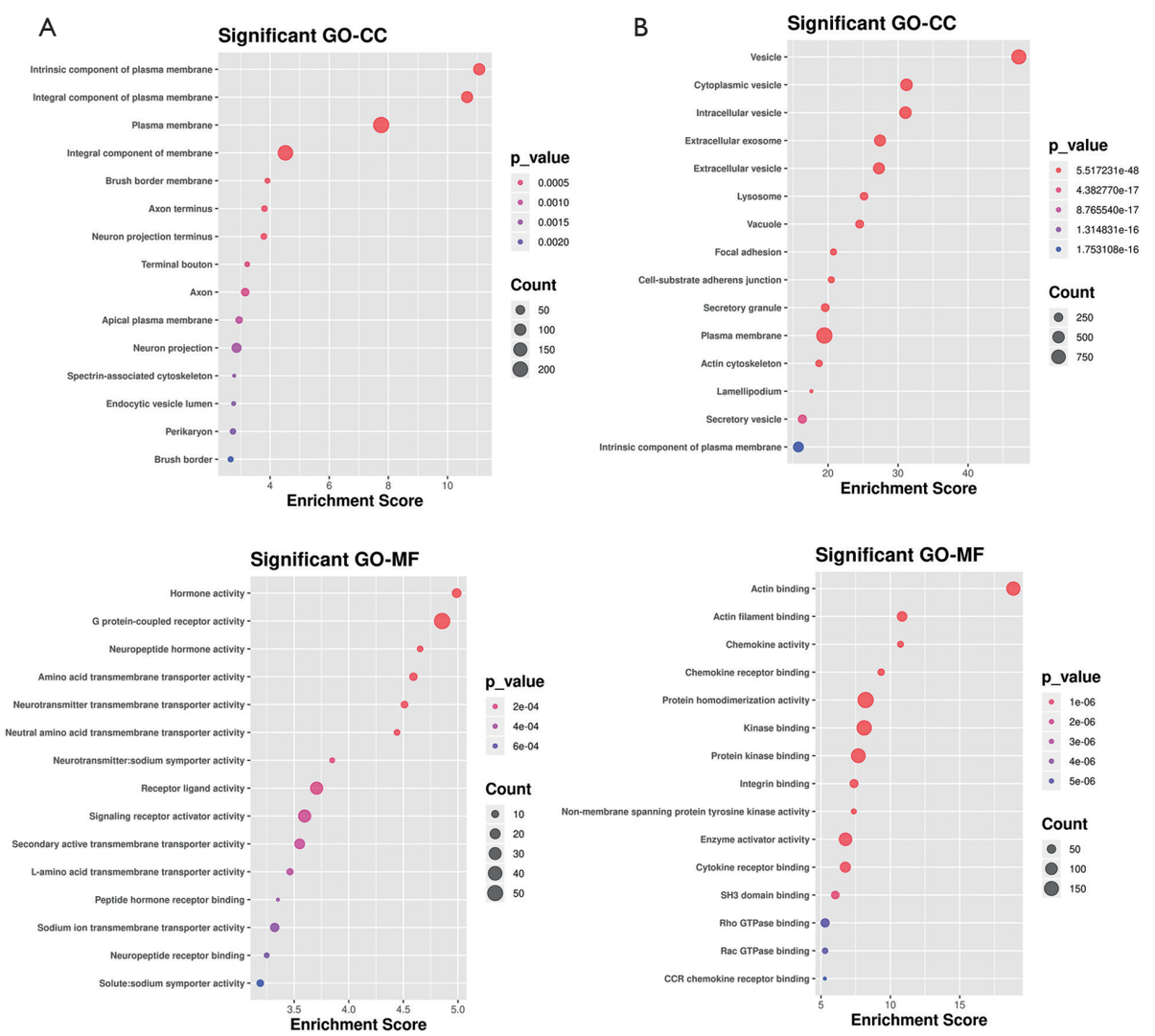

Figure S1 GO annotation analyses including CC and MF in AA blood (A) and tissue (B) samples. GO, Gene Ontology; CC, cellular components; MF, molecular functions; AA, aortic aneurysm.

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