

Supplementary Table I Summary of the age of donors of AAA samples for cell isolation and characterization, and from which mRNA samples were purified in amounts and quality acceptable for gene expression profiling.

Patient No.	Sex	Age [years]	The length of the extracted aneurysm	Diameter of the extracted aneurysm	Border tissue availability	Biological replicates
T14	M	66	8 cm	42 mm	N.A.	yes
T16	M	65	8 cm	50 mm	N.A.	yes
T19	M	70	7 cm	47 mm	N.A.	yes
T20	M	58	10 cm	47 mm	N.A.	N.A.
T21	M	57	5 cm	49 mm	N.A.	N.A.
T22	M	73	8 cm	47 mm	N.A.	N.A.
T23	M	82	8 cm	62 mm	yes	yes
T24	M	65	7 cm	58 mm	yes	yes
T25	M	65	7 cm	65 mm	yes	yes
T26	M	65	8 cm	58 mm	yes	yes
T27	M	71	10 cm	55 mm	yes	N.A.
T28	M	65	8 cm	51 mm	yes	N.A.
T29	M	71	7 cm	50 mm	yes	N.A.
Mean		67.15 ±	7,76 ± 1,30	52,38 ±		
± S.D.		6.47		6,71		

M – male; S.D. – standard deviation; N.A. – not applicable

Supplementary Table II Relative expression in all analysed samples ($2^{-\Delta\Delta C_t}$).

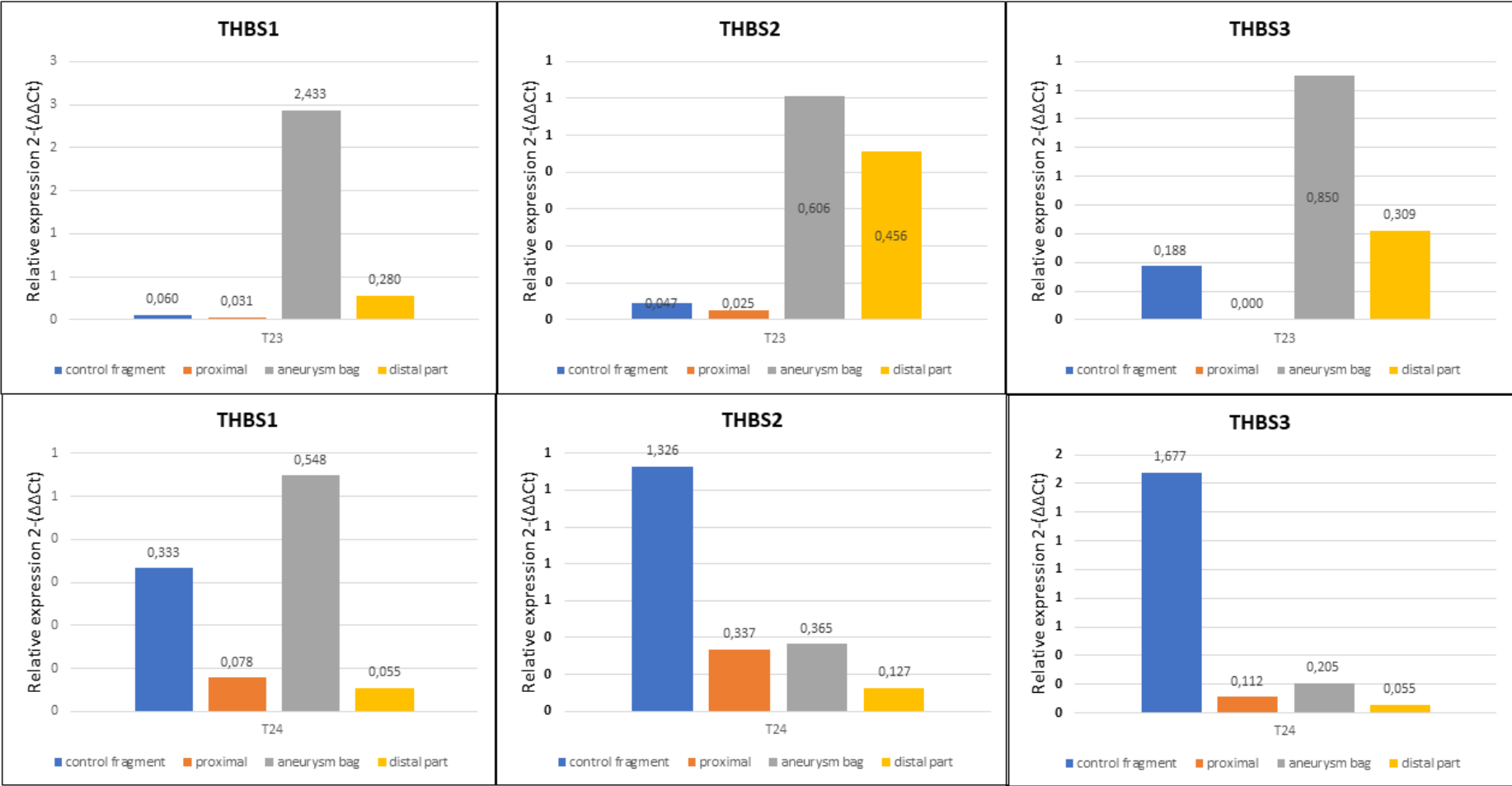
	Sample	THBS1	THBS2	THBS3
	Control fragment			
1	T23	0.060	0.047	0.188
2	T24	0.333	1.326	1.677
3	T25	2.909	6.749	3.899
4	T26	7.531	5.491	8.315
5	T27	0.400	0.147	0.099
6	T28	4.580	3.629	2.011
7	T29	1.246	0.819	0.490
	MEDIAN	1.246	1.326	1.677
	SEM	1.051	1.023	1.110
	Proximal fragment			
1	T14	0.166	0.069	0.499
2	T16	0.288	0.164	0.262
3	T19	0.235	0.314	0.585
4	T20	0.000	0.003	0.076
5	T21	0.124	0.090	0.142
6	T22	0.433	0.691	0.294
7	T23	0.031	0.025	0.000
8	T24	0.078	0.337	0.112
9	T25	6.278	1.521	1.950
10	T26	0.313	0.250	0.225
11	T27	0.214	0.066	0.090
12	T28	0.389	0.302	0.587

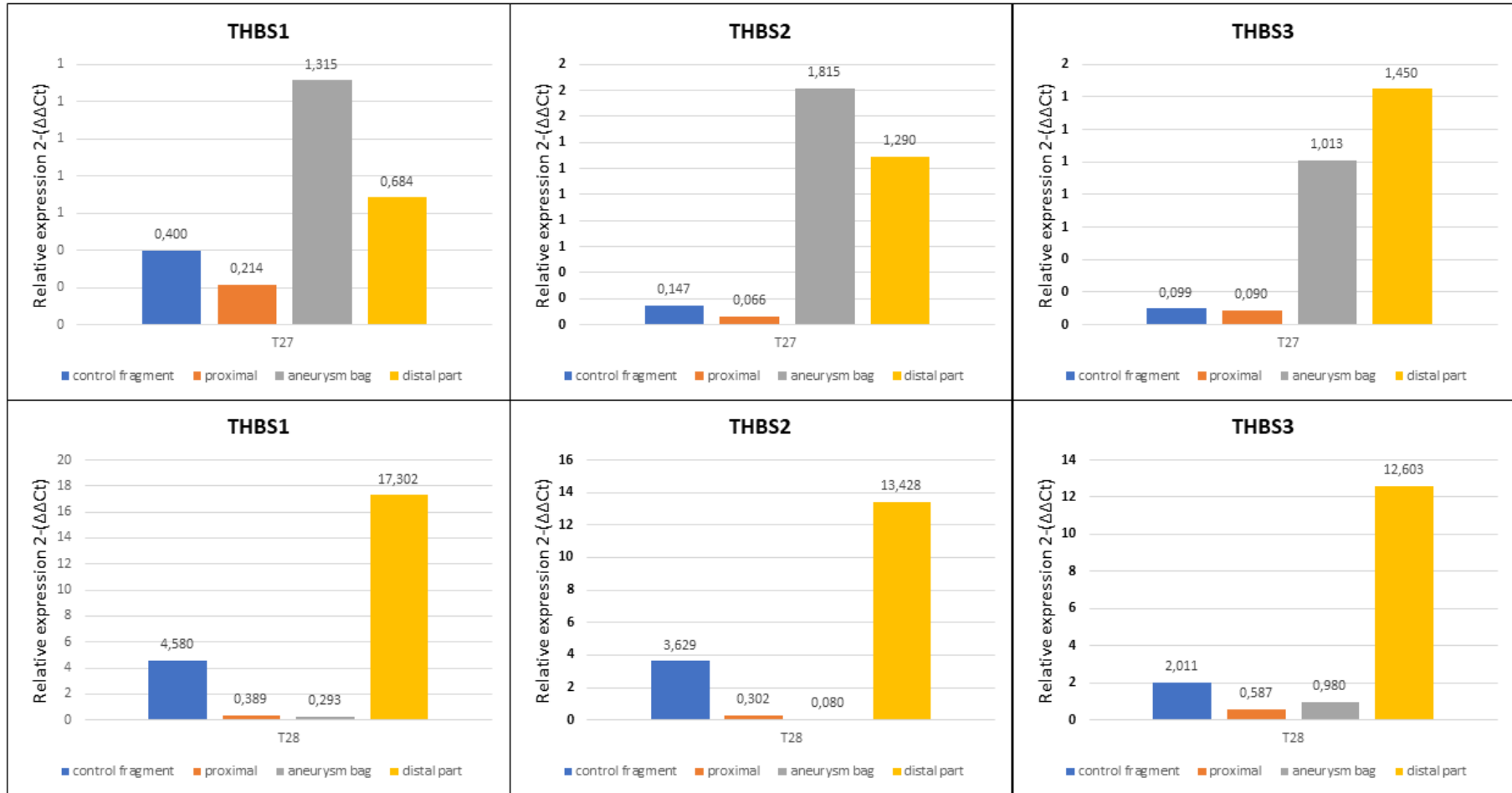
13	T29	0.121	0.188	0.076
	MEDIAN	0.214	0.188	0.225
	SEM	0.469	0.113	0.142
	Aneurysm bag			
1	T14	0.687	1.066	0.540
2	T16	1.902	0.342	0.940
3	T19	1.039	2.907	1.282
4	T20	0.732	0.267	0.114
5	T21	1.106	0.959	0.795
6	T22	3.631	0.122	1.379
7	T23	2.433	0.606	0.850
8	T24	0.548	0.365	0.205
9	T25	0.241	0.364	0.366
10	T26	0.490	0.618	0.232
11	T27	1.315	1.815	1.013
12	T28	0.293	0.080	0.980
13	T29	0.075	0.077	0.094
	MEDIAN	0.732	0.365	0.795
	SEM	0.281	0.226	0.123
	Distal fragment			
1	T14	0.266	0.861	0.366
2	T16	2.808	2.907	1,078
3	T19	0.495	0.270	0.404
4	T20	0.132	0.003	0.182
5	T21	0.788	0.432	0.023

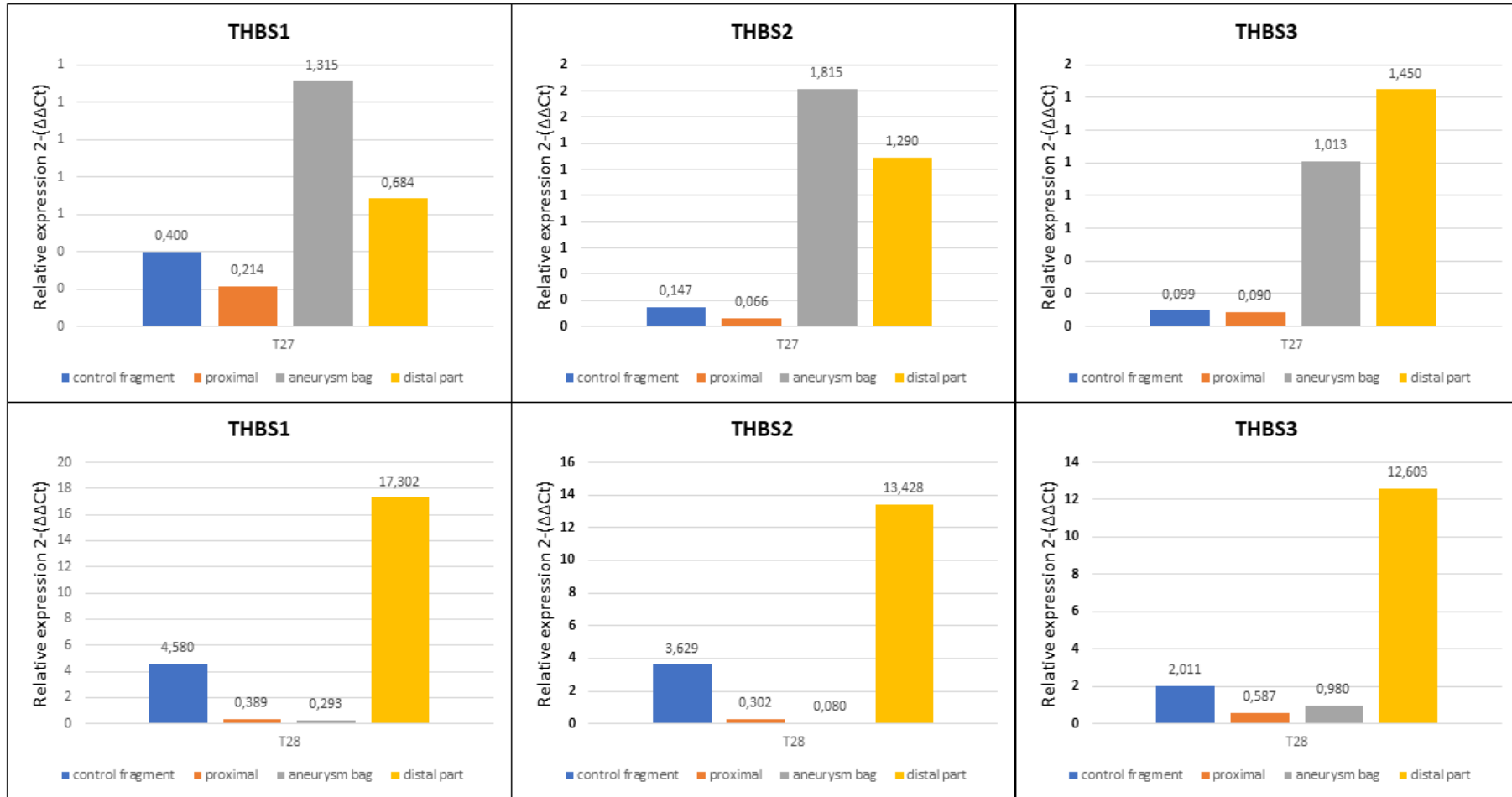
6	T22	0.505	0.203	0.103
7	T23	0.280	0.456	0.309
8	T24	0.549	0.127	0.055
9	T25	1.324	0.279	0.530
10	T26	0.094	0.078	0.060
11	T27	0.684	1.290	1.450
12	T28	17.302	13.428	12.603
13	T29	1.322	1.179	2.859
	MEDIAN	0.505	0.432	0.366
	SEM	1.291	1.005	0.948

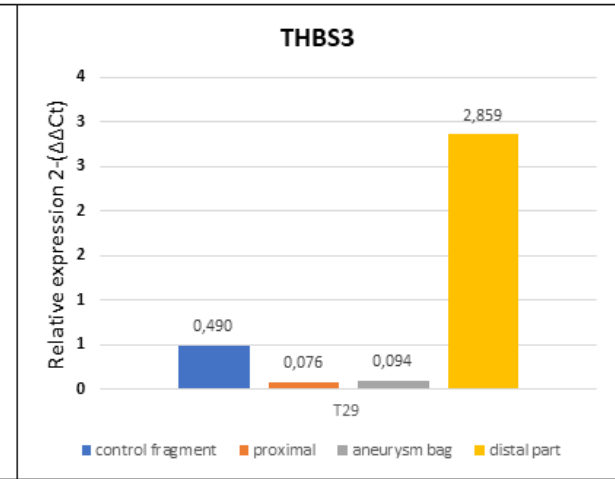
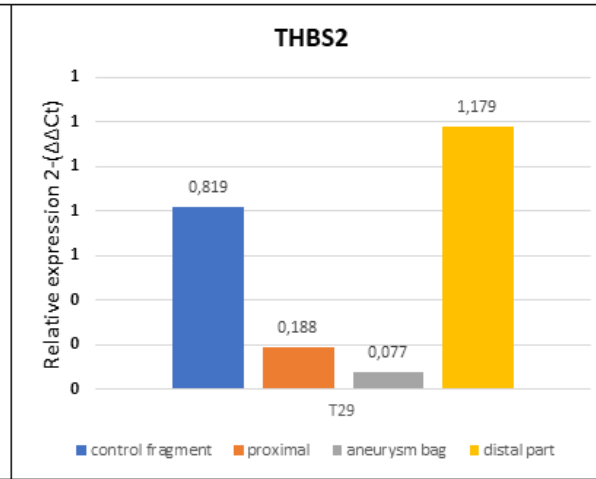
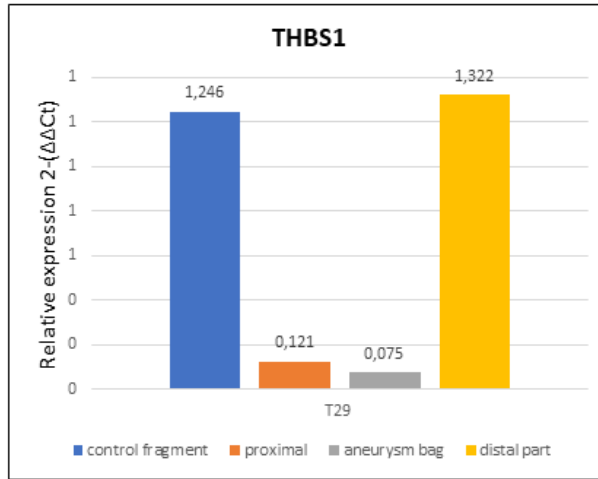
Supplementary Figure I Analysis of relative expression in analyzed patients samples ($2^{-\Delta\Delta Ct}$), for THBS1, THBS2 and THBS3.

Diagrams presenting expression levels between sections in particular patients. The Y axis represents the relative expression $N_{rel} = 2^{-(\Delta C_{normalized\ target} - \Delta C_{control})}$, and the X axis represents the expression of genes in the control, proximal, aneurysm sack and distal segments.









THBS1				
Patient	control fragment	proximal	aneurysm bag	distal part
T23	0.060	0.031	2.433	0.280
T24	0.333	0.078	0.548	0.055
T25	2.909	6.278	0.241	1.324
T26	7.531	0.313	0.490	0.094
T27	0.400	0.214	1.315	0.684
T28	4.580	0.389	0.293	17.302
T29	1.246	0.121	0.075	1.322

THBS2				
Patient	control fragment	proximal	aneurysm bag	distal part
T23	0.047	0.025	0.606	0.456
T24	1.326	0.337	0.365	0.127
T25	6.749	1.521	0.364	0.279
T26	5.491	0.250	0.618	0.078
T27	0.147	0.066	1.815	1.290
T28	3.629	0.302	0.080	13.428
T29	0.819	0.188	0.077	1.179

THBS3				
Patient	control fragment	proximal	aneurysm bag	distal part
T23	0.188	0.000	0.850	0.309
T24	1.677	0.112	0.205	0.055
T25	3.899	1.950	0.366	0.530
T26	8.315	0.225	0.232	0.059
T27	0.099	0.090	1.013	1.450
T28	2.011	0.587	0.980	12.603
T29	0.490	0.076	0.094	2.859

Supplementary Figure II Heatmap representing the expression levels of thrombospondins in four sections and patients.

