

Supplemental Data

***LTBP3* Pathogenic Variants Predispose Individuals
to Thoracic Aortic Aneurysms and Dissections**

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Table S1. Rare *LTBP3* Variants Identified in Individuals with Early-Onset of Thoracic Aortic Dissection

Individual ID	Aa alt	Sex	Race ^a	Age onset TAD ^b	PhastCons	PolyPhen2	CADD	gnomAD MAF	Pathogenic variant in another HTAD gene
1	Ala25del	M	EA	48	0.996	na	na	0	No
2	Ala25del	F	EA	55	0.996	na	na	0	No
3	P45Rfs*25	M	EA	50	0.995	na	na	0	No
4	Glu1257Asp	M	EA	48	1	1	29.4	0	No
5	Ser1200Asn	M	AA	49	0.9	0.997	23.4	0.00046	<i>COL3A1</i> , p.Glu360Arg
6	Ser1200Asn	M	AA	53	0.9	0.997	23.4	0.00046	No
7	Tyr1020Cys	M	AA	52	1	1	26.5	0	No
8	Asp820Asn	M	EA	46	1	0.996	23.8	0.00035	No
9	Pro517Leu	M	EA	46	0.996	0.538	24.5	0.00023	No

^aEA, European American; AA, African American. ^bTAD, thoracic aortic dissection.