

Table S2. Characteristics of study patients with striae in atypical location (N=31), stratified by history of thoracic aortic dissection (TAD) status.

ID	TAD	Sex	Age	Race	Genetic eval or testing	Syndrome	Fam Hx TAA or TAD	MVP	Pectus Car/Exc	Scoliosis	PTX	Striae	Systemic point total*	Shoulder striae	Arm striae	Axilla striae	Chest striae	Back striae	Abdomen striae	Flank striae	Diffuse striae
0210	No	F	38	B	Yes	MFS	+	+	-/+	+		+	4	+	+						
0436	No	F	63	W	Yes	MFS	+	+		+		+	3								+
0714	No	M	43	W	Yes	MFS	+			+		+	2		+			+	+		
0131	No	M	34	W	Yes	LDS	+		+/-	+		+	4	+					+		
0813	No	F	39	W	Yes	Stickler			+/+			+	4		+		+	+			
0064	No	M	60	W	No	None						+	1						+		
0226	No	M	35	W	No	None		+	+/-	+		+	5						+		
0290	No	M	65	W	No	None			-/+			+	2							+	
0311	No	M	48	B	No	None						+	1		+				+		
0333	No	M	38	W	No	None						+	1						+		
0415	No	M	53	W	No	None						+	1			+			+		
0012	Yes	M	38	W	Yes	MFS			+/-	+		+	4					+			
0198	Yes	M	31	W	Yes	MFS	+		+/-			+	3	+							
0252	Yes	M	38	W	Yes	MFS						+	1	+				+			
0264	Yes	M	41	W	Yes	MFS		NA	+/-	+		+	4	+			+				
0301	Yes	M	33	W	Yes	MFS	+	+	-/+			+	3	+			+		+		
0086	Yes	M	67	W	No	None	+					+	1	+					+		
0105	Yes	F	55	B	Yes	None	+					+	1				+				
0114	Yes	M	83	W	No	None						+	1		+						
0122	Yes	M	46	W	No	None	+					+	1			+			+		
0141	Yes	M	33	W	No	None***	+			+		+	2						+		
0220	Yes	M	70	W	No	None					+	+	3						+		
0245	Yes	M	75	W	No	None						+	1								+
0337	Yes	M	39	B	NA	None			+/-			+	3	+				+			
0369	Yes	M	24	W	Yes	None**						+	1					+			
0445	Yes	M	72	W	No	None						+	1						+		
0475	Yes	M	59	W	No	None	+					+	1		+						
0480	Yes	F	58	B	No	None						+	1								+
0552	Yes	M	71	W	No	None						+	1						+		
0573	Yes	M	48	B	Yes	None			-/+			+	2	+							
0753	Yes	M	31	W	Yes	None						+	1				+				

Cases without history of TAD are shaded green and cases with history of TAD are shaded pink.

\*Striae is included in the calculation of revised Ghent systemic points; \*\*Carries likely pathogenic variant in *ACTA2*; \*\*\*May carry a pathogenic variant in *ACTA2* that has been identified in multiple affected relatives.

B=Black or African American; Car=Carinatum; Exc=Excavatum; F=female; Hx=history; LDS=Loeys-Dietz syndrome; M=male; MFS=Marfan syndrome; NA=data not available; PTX=spontaneous pneumothorax; TAA=thoracic aortic aneurysm; W=White