

Table S1. Overview about genetic non-synonymous, rare variants (AF<0.01) in the genome of III-1.

Gene	Transcript	Chromosome	Coordinate ¹	ID	Variant	Protein alteration	Type of variation	Allele frequency ²	Zygosity	ACMG classification
<i>TTN</i>	NM_001267550.1	2	179414961	novel	C>C/G	p.G30535A	missense	0	heterozygous	VUS
<i>TTN</i>	NM_001267550.1	2	179568949	novel	C>C/T	p.V10050I	missense	0	heterozygous	VUS
<i>APOB</i>	NM_000384.2	2	21236337	rs142798172	C>C/A	p.G1304V	missense	0.00001989	heterozygous	VUS
<i>ALMS1</i>	NM_015120.4	2	73675872	rs752375658	C>C/T	p.L739F	missense	0.000004016	heterozygous	VUS
<i>DES</i>	NM_001927.3	2	220283548	novel	T>C/C	p.Y122H	missense	0	homozygous	Pathogenic
<i>HFE</i>	NM_000410.3	6	26093125	rs140080192	G>G/A	p.E277K	missense	0.003232	heterozygous	VUS
<i>LAMA4</i>	NM_001105206.2	6	112460365	rs41289902	C>C/T	p.R1080Q	missense	0.01031	heterozygous	VUS
<i>KCNQ1</i>	NM_000218.2	11	2683266	novel	A>A/G	p.D490G	missense	0	heterozygous	VUS
<i>FBN1</i>	NM_000138.4	15	48764778	rs377338217	C>C/T	p.V1436M	missense	0.0005164	heterozygous	VUS
<i>LMF1</i>	NM_022773.2	16	919894	rs181731943	C>C/T	p.A469T	missense	0.0007967	heterozygous	VUS

¹ Human genome assembly GRCh37; ² <https://gnomad.broadinstitute.org>, October 2019.

