

**Supplementary Table S1.** Clinical data and genetic findings for each patient for which a positive diagnosis was established using the INMD panel. Recurrent variants identified in our cohort are highlighted in bold.

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Muscular dystrophies / Myopathies	1	56	F	Limb-girdle muscular dystrophy Myopathy Distal/proximal muscle weakness	c.580A>T	-	<i>De novo</i>	0.0080	<i>ACTA1</i>	Nemaline myopathy # 161800	AD /AR
	2	8	F	Nemaline bodies Muscle weakness, proximal and distal Muscle weakness, upper and lower limbs	c.529A>G/ c.809-2A>T	-/ 0.0000041	Carriers	0.0006			
	3	43	M	Elevated serum creatine kinase Muscle weakness Muscular hypotonia	c.133G>T/ c.242C>T/ c.1029A>T	-/-	Carriers	0.2616	<i>AMPD1</i>	Myopathy due to myoadenylate deaminase deficiency # 615511	AR
	4	44	M	Myopathy Exercise intolerance Restless leg Myalgia Dyslipidemia	<b>c.191dup/</b> <b>c.191dup</b>	0.0011/ 0.0011	Carriers	0.1776	<i>ANO5</i>	Muscular dystrophy # 611307	AD /AR
	5	53	M	Limb-girdle muscular dystrophy	<b>c.191dup/</b> <b>c.191dup</b>	0.0011/ 0.0011	Carriers	0.3181			
	6	26	F	Myopathy Elevated serum creatine phosphokinase Distal muscle weakness Proximal muscle weakness	<b>c.191dup/</b> <b>c.692G&gt;T</b>	0.0011/ 0.00103	Carriers	0.0038			
	7	52	F	Myotonia Elevated serum creatine phosphokinase Muscle weakness	c.1119+1G>T/ c.1119+1G>T	0.000008/ 0.000008	Carriers	0.2175			
	8	62	M	Myalgia Elevated serum creatine phosphokinase Reduced muscle fiber dysferlin	c.206_207del/ c.206_207del	0.000004/ 0.000004	Carriers	0.0607			

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Muscular dystrophies / Myopathies	9	41	M	Muscular dystrophy Elevated serum creatine phosphokinase	c.1982T>C c.1982T>C	0.000007/ 0.000007	Carriers	0.0469	ANO5	Muscular dystrophy # 611307	AR
	11	59	F	Muscular dystrophy	c.2361_2362insTCAT c.505C>T	-/ 0.000004	Carriers	0.6363	CAPN3	Muscular dystrophy, limb-girdle # 618129	AD /AR
	12	58	M	Limb-girdle muscular dystrophy	c.2361_2362insTCAT c.2361_2362insTCAT	-/-	Carriers	0.4524			
	13	20	M	Muscular dystrophy	c.1962delC c.2120A>G	-/ 0.000151	Carriers	0.6363			
	14	31	F	Myopathy Global systolic dysfunction	c.701C>T c.701C>T	0.000016/ 0.000016	Carriers	0.8865	CHKB	Muscular dystrophy # 602541	AR
	15	-	M	Muscle weakness	c.8215T>C c.6995G>A	0.0000080/ -	Carriers	0.7080	COL12A1	Bethlem myopathy # 616471	AR
	16	3	F	Muscle weakness Joint contracture Lobulated muscle fibers Reduced muscle collagen VI	c.868G>A	-	De novo	0.0358	COL6A1	Ullrich congenital muscular dystrophy #254090	AD /AR
	17	47	M	Reduced muscle collagen VI Myopathy	c.739-2A>G	-	De novo	0.0761		Bethlem myopathy # 158810	
	18	10	M	Myopathy	c.1806C>A	-	Paternal (affected)	0.0020	COL6A2	Ullrich congenital muscular dystrophy #254090  Bethlem myopathy # 158810	AD /AR
	19	21	M	Nonprogressive muscular atrophy Elevated serum creatine phosphokinase Myopathy	c.1806C>A c.2891T>C	-/ 0.00000407	Carriers	0.0803	COL6A2	Ullrich congenital muscular dystrophy #254090	AD /AR
	20	8	F	Limb-girdle muscular dystrophy	c.875G>A	-	De novo	0.0616		Bethlem myopathy # 158810	
	21	59	F	Limb-girdle muscle weakness	c.6320_6322del	-	Affected brothers	0.4861	COL6A3	Ullrich congenital muscular dystrophy #254090  Bethlem myopathy # 158810	AD /AR

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance	
Muscular dystrophies / Myopathies	22	42	M	Elevated serum creatine phosphokinase Exercise intolerance Muscular dystrophy	c.1688A>G c.1688A>G	0.00216/ 0.00216	Carriers	0.2116	COL6A3	Ullrich congenital muscular dystrophy #254090	AD /AR	
	23	39	M	Myopathy Rhabdomyolysis Elevated serum transaminases	c.1631G>A	0.00000398	De novo	0.2687		Bethlem myopathy # 158810		
	24	57	M	Distal muscle weakness Elevated serum creatine phosphokinase	c.7525C>T	-	Maternal (Unaffected)	0.1941				
	25	11	M	Myopathy	c.9622A>G	-	Maternal (Unaffected)	0.9065	DMD		X-linked	
	26	14	M	EMG: myotonic discharges Muscular dystrophy	c.9563+1G>A	-	Maternal (Unaffected)	0.1485				
	27	16	F	Elevated serum creatine phosphokinase EMG: myopathic abnormalities	c.5697dupA	-	De novo	0.1986		Duchenne muscular dystrophy # 310200		
	28	1	F	Elevated serum creatine phosphokinase Seizures Hypoglycemia Feeding difficulties	c.3125delA	-	De novo	0.6050				
	29	3	M	Elevated serum creatine phosphokinase Elevated hepatic transaminases	g.(?_32430456)_(32486604_?)dup	-	Maternal (Unaffected)	0.8279				
	30	9	M	Elevated serum creatine phosphokinase Elevated hepatic transaminases	g.(?_32404402)_(32503241_?)del	-	Maternal (Unaffected)	0.8279				
	31	71	M	Muscular dystrophy	c.5429G>A c.5429G>A	-	Carriers	0.3200	DYSF	Miyoshi muscular dystrophy # 254130	AR	
	32	3	F	Elevated serum creatine phosphokinase Elevated aldolase level Myopathy	c.545A>G c.898G>A	0.000082/ 0.0000322	Carriers	0.0525	FKRP	Muscular dystrophy-dystroglycanopathy # 606612	AR	
	33	-	F	Myopathy Muscle weakness Increased muscle glycogen content	c.46G>C c.46G>C	0.00000398/ 0.00000398	Carriers	0.0264	GYG1	Glycogen storage disease XV #613507	AR	

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Muscular dystrophies / Myopathies	34	16	M	Dandy-Walker malformation Hydrocephalus Muscular dystrophy	c.149C>T c.8075+1G>A	0.0000398/ -	Carriers	0.2056	LAMA2	Muscular dystrophy, limb-girdle # 618138	AR
	35	3	M	Myopathy Cardiomyopathy	c.1606G>A	-	De novo	0.3835	MYH7	Distal myopathy # 160500	
	36	23	M	Abnormal muscle glycogen content Muscle weakness	c.1820C>T c.1820C>T	-/-	Carriers	0.2350	PFKM	Glycogen storage disease VII # 232800	AR
	37	62	F	Myalgia Elevated serum creatine phosphokinase	c.2230-1G>T	-	De novo	0.0988	PHKA1	Muscle glycogenosis # 300559	X-linked
	38	51	M	Elevated serum creatine phosphokinase	c.784G>A	-	Maternal (unaffected)	0.6922			
	39	52	F	Progressive muscle weakness Pelvic girdle muscle weakness	c.406T>C c.406T>C	-/-	Carriers	0.1287	POMT2	Muscular dystrophy- dystroglycanopathy # 613158	AR
	40	21	M	Limb-girdle muscular dystrophy Paranoia Psychotic episodes Joint pain Gait disturbance Scoliosis Synovitis Iron deficiency anemia	c.660G>A c.660G>A	0.00209/ 0.00209	Carriers	1.0000	PYGM	McArdle disease # 232600	AR
	41	15	F	Myopathy	c.10347+1G>A	0.000004	-	0.7174	RYR1	Central core disease # 117000	AD /AR
	42	1	M	Myopathy	c.4837C>T c.7027G>A	0/ 0.0000239	Carriers	0.7174			
	43	69	M	Limb-girdle muscular dystrophy	c.917C>T	0.0000159	De novo	0.4524			
	44	37	M	Myopathy Elevated serum creatine phosphokinase	c.176C>T/ c.6856C>G	-/-	Maternal (affected)	0.1393			
	45	4	M	Myopathic facies Unilateral ptosis Muscle weakness Motor delay	c.2709C>G	0.00000795	Father (unaffected)	0.0761			

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Muscular dystrophies / Myopathies	46	50	M	Paresthesia Peripheral axonal neuropathy	c.7261G>T	0.0000318	-	0.2984	RYR1	Central core disease # 117000	AD /AR
	47	48	M	Elevated serum creatine phosphokinase Rhabdomyolysis Myalgia Proximal muscle weakness	c.12836C>T	0.0000171	De novo	0.0059			
	48	6	F	Elevated serum creatine phosphokinase Elevated hepatic transaminases Marked muscular hypertrophy Fatigue Abnormal urinary color	c.724G>T c.739G>A	0.00000398/ 0.000112	Carriers	0.3651	SGCA	Muscular dystrophy, limb-girdle # 608099	AR
	49	10	F	Muscle weakness	c.739G>A c.850C>T	0.000112/ 0.000151	Carriers	0.7080			
	50	12	F	Limb-girdle muscular dystrophy Elevated serum creatine phosphokinase	c.848G>A c.848G>A	0.00000398/ 0.00000398	Carriers	0.0699	SGCG	Muscular dystrophy, limb-girdle # 253700	AR
	51	2	F	Rhabdomyolysis Elevated serum creatine phosphokinase	c.525delT c.525delT	0.0000557/ 0.0000557	Carriers	0.5727			
	52	18	F	Axial hypotonia Muscle weakness	c.26095-1G>T c.26095-1G>T	-/-	Carriers	0.4314	SYNE1	Emery-Dreifuss muscular dystrophy # 612998	AR
	53	3	M	Neutropenia Short stature Truncal obesity Lactic acidosis Proximal muscle weakness	c.527A>G	-	De novo	0.3639	TAZ	Barth syndrome # 302060	X-linked
	54	28	M	Progressive muscle weakness Knee flexion contracture Achilles tendon contracture Reduced muscle collagen VI	c.255C>A c.255C>A	-/-	Carriers	0.0222	TCAP	Muscular dystrophy, limb-girdle #601954	AR

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Muscular dystrophies / Myopathies	55	51	F	Myopathy Muscle Weakness Myalgia Skeletal muscle fatty infiltration	c.269G>A	-	Maternal (affected)	0.0217	TPM2	Nemaline myopathy # 609285	AD
	56	11	M	Myopathy	c.12411delT c.105110_105111delCC	-/-	Carriers	0.6163	TTN	Muscular dystrophy, limb-girdle #608807  Salih myopathy #611705	AD /AR
	57	2	M	Arthrogryposis multiplex congenital Amyoplasia Severe muscular hypotonia Global developmental delay	c.38661_38665del c.38661_38665del	-/-	Maternal Isodisomy	0.1041			
	58	21	M	Muscular dystrophy Arthrogryposis multiplex congenita	c.38661_38665del c.38661_38665del	-/-	Carriers	0.1027			
	59	3	M	Myopathy	c.3034C>T c.106531+1G>A	0.00000399/ 0.00000447	Carriers	0.6163			
	60	3	F	Myopathy	c.33064C>T c.102941G>A	0.00000402/ -	Carriers	0.6163			
	61	36	M	Limb-girdle muscular dystrophy	c.102966del c.102966del	0.00000401/ 0.00000401	Carriers	0.1648			
	62	12	F	Muscular dystrophy Reduced muscle collagen VI	c.38737G>T c.87019_87022del	0.0000081/ -	Carriers	0.0160			
	63	22	F	Myopathy	c.86992_86994delCTG insGTCTGTCAT c.101608 + 1G>A	-/ 0.00000447	Carriers	0.6163			

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Peripheral Nerve Disease	64	0,66	F	Poor head control Hypotonia	c.1856C>T	-	<i>De novo</i>	0.4985	<i>DNM2</i>	Charcot-Marie-Tooth disease # 606482	AD /AR
	65	29	F	Progressive muscle weakness Distal muscle weakness	c.628C>G	-	<i>De novo</i>	0.1225	<i>DYNC1H1</i>	Charcot-Marie-Tooth disease, axonal # 614228	AD
	66	19	M	Frequent falls Sensorimotor polyneuropathy	c.547C>T	-	X-linked	0.2284	<i>GJB1</i>	Charcot-Marie-Tooth disease # 302800	X-linked
	67	15	M	Sensorimotor polyneuropathy	c.110G>C c.110G>C	0.00026/ 0.00026	Carriers	0.7919	<i>HINT1</i>	Neuromyotonia and axonal neuropathy # 137200	AR
	68	16	F	Acute demyelinating polyneuropathy	c.181G>A c.1327C>T	-/ 0.0000121	Carriers	0.4708	<i>IGHMBP2</i>	Charcot-Marie-Tooth disease # 616155	AR
	69	1	M	Joint hypermobility Hypotonia	c.1580_1581insC	0.0000216	Paternal (affected)	1.0000	<i>INF2</i>	Charcot-Marie-Tooth disease # 614455	AD
	70	5	F	Muscular dystrophy	c.326A>G	-	<i>De novo</i>	1.0000	<i>MFN2</i>	Charcot-Marie-Tooth disease # 609260	AD /AR
	71	49	M	Muscular dystrophy	c.1666C c.1972G>A	-/-	Carriers	-	<i>MME</i>	Charcot-Marie-Tooth disease # 617017	AR
	72	64	F	Congenital peripheral neuropathy	g.(?_15134208)_(15142953_?)dup	-	<i>De novo</i>	0.7919	<i>PMP22</i>	Charcot-Marie-Tooth disease # 118220	AD
	73	62	M	EMG abnormalities	g.(?_15164065)_(15903230_?)dup	-	-	1.0000			

	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Peripheral Nerve Disease	74	74	F	Polyneuropathy Gait disturbance Dysphagia Dysphonia	<b>c.2860C&gt;T</b> c.539_541del	0.000748/ 0.0000558	Carriers	0.0326	SH3TC2	Charcot-Marie-Tooth Disease # 601596	AD /AR
	75	16	F	Demyelinating motor neuropathy	c.3325C>T c.3325C>T	0.0000398/ 0.0000398	Carriers	0.4640			
	76	26	F	Peripheral axonal neuropathy Scoliosis Talipes cavus equinovarus	<b>c.2860C&gt;T</b> <b>c.2860C&gt;T</b>	0.000748/ 0.000748	Carriers	0.8183			
	77	6	M	Sensorimotor polyneuropathy Psychomotor delay	<b>c.2860C&gt;T</b> c.2640delC	0.000748/ -	Carriers	0.4763			
	78	49	F	Hammertoe Talipes cavus equinovarus Microcephaly Gait imbalance Deafness	c.3511C>T <b>c.2860C&gt;T</b>	0.00000796/ 0.000748	Carriers	0.6998			
	79	51	M	Motor neuron atrophy Parkinsonism Frontotemporal Dementia	c.6477+4A>G c.6477+4A>G	-/-	Carriers	0.0612	SPG11	Charcot-Marie-Tooth disease # 616668	AR
Neuromuscular Junction Diseases Ion Channel Diseases	80	36	M	EMG: myotonic discharges	c.1261C>T	0.0000239	De novo	0.5448	CLCN1	Myotonia congenita, atypical, acetazolamide-responsive # 608390	AD
	81	24	M	Myotonia	c.1214C>T	-	Maternal (affected)	0.0032			
	82	15	F	Elevated serum creatine phosphokinase Exercise intolerance Myotonia	c.313C>T c.501C>G	0.00035/ 0.00117	Carriers	0.0047			
	83	6	M	Fatigable weakness Muscle weakness Respiratory insufficiency	c.583G>C c.583G>C	-/-	Carriers	0.0055	CHRNE	Myasthenic syndrome, congenital, 4B, fast-channel #616324	AR



	Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Family study	Phenomizer p-value	Gene	Disorder MIM	Inheritance
Neuromuscular Junction Diseases	84	16	F	Muscular hypotonia	c.1150C>G c.574G>C	-/ 0.00000398	Carriers	0.9697	DPAGT1	Myasthenic syndrome, congenital # 614750	AR
	85	4	M	Cold-sensitive myotonia	c.4774A>G	-	De novo	0.4196	SCN4A	Myotonia congenita, atypical, acetazolamide-responsive #608390	AD
	86	58	F	Myopathy Muscle cramps Muscle stiffness	c.3877G>A	0	De novo	0.0566		Myasthenic syndrome # 614198	
Motor Neuron Disease	87	13	F	Muscle weakness	g.(?_34635615)_1(34635855_?)de g.(?_34635615)_1(34635855_?)de	-/-	Carriers	0.7080	SIGMAR1	Spinal muscular atrophy # 605726	AR
	88	37	F	Muscle weakness Distal amyotrophy	c.561_576del g.(?_34635589)_1(34635880_?)de	-/-	Carriers	0.5519			

F: female; M: male; AD: Autosomal dominant; AR: Autosomal recessive

**Supplementary Table S2.** Clinical data and genetic findings for patients with inconclusive diagnosis due to identification of heterozygous pathogenic / likely pathogenic variants in a recessive gene closely related to the patient's clinical phenotype, but a second variant was missing.

Patient ID	Age (years)	Sex	HPO	Variants	GnomAD	Phenomizer p-value	Gene	Disorder MIM	Inheritance
90	56	F	Muscular dystrophy Elevated serum creatine phosphokinase	c.2235+2T>G	-	0.1248	ANO5	Muscular dystrophy # 611307	AR
91	20	M	Myopathy Elevated serum creatine phosphokinase	c.692G>T c.1767C>A	0.00103/ 0.00000398	0.0469	ANO5	Muscular dystrophy # 611307	AR
92	2	M	Elevated serum creatine kinase Delayed gross motor development	c.2361_2362insTCAT	-	0.7971	CAPN3	Muscular dystrophy, limb-girdle # 618129	AD /AR
93	52	M	Lower limb muscle weakness Elevated serum creatine kinase EMG: myopathic abnormalities Lower limb muscle weakness Muscular dystrophy Pelvic girdle muscle atrophy	c.258G>C	0.00289	0.0004	DAG1	Muscular dystrophy-dystroglycanopathy # 613818	AR
94	38	M	Metabolic myopathy	c.365C>T	0.0000518	0.5961	PGAM2	Glycogen storage disease X # 261670	AR
95	37	F	Elevated serum creatine kinase Cramps	c.1094C>T	0.000711	0.0040	PYGM	McArdle disease # 232600	AR
96	43	F	Muscular hypotonia Joint contractures	c.264C>A	0.00156	0.5894	RAPSN	Myasthenic syndrome # 616326	AR
97	54	M	Muscle weakness Spinal rigidity	c.763C>T	-	0.5712	SEPNI (SELENON)	Muscular dystrophy # 602771	AR
98	70	M	Muscular dystrophy	c.409G>A	0.0000437	0.5575	SGCA	Muscular dystrophy, limb-girdle # 608099	AR
99	16	F	Upper limb muscle weakness Ulcerative colitis Hearing impairment Bulbar palsy Polyneuropathy Scoliosis	c.595delG	-	0.1296	SLC52A2	Brown-Vialetto-Van Laere syndrome # 614707	AR

**Supplementary Table S3.** Clinical data and genetic findings for patients with inconclusive diagnosis.

Patient ID	Age (years)	Sex	Variants	Gene	Disorder MIM	Inheritance
Possible cases of dual diagnosis						
100	5	F	c.1287+5G>A c.1287+5G>A	TRAPPC11	Muscular dystrophy, limb-girdle # 615356	AR
			c.1094C>T c.1094C>T	PYGM	McArdle disease # 232600	AR
101	3	M	c.(3162+1_3163-1) (4070+1_4071-1)dup	DMD	Duchenne muscular dystrophy # 310200	AD / AR
			c.409G>A	MYH7	Distal myopathy # 160500	
VUS identification and missing family studies						
102	57	F	c.11_15del	AARS1	Charcot-Marie-Tooth disease, axonal, type 2N	AD
103	50	M	c.986G>A	AARS1		AD
104	42	F	c.1574A>G	ATL1	Neuropathy, hereditary sensory, type ID # 613708	AD / AR
105	63	F	c.923C>A	BSCL2	Neuropathy, distal hereditary motor, type VC # 619112	AD / AR
106	50	F	c.1314G>C	CAPN3	Muscular dystrophy, limb-girdle # 618129	AD / AR
107	62	F	c.526G>A	CHRNA1	Myasthenic syndrome slowfast-channel # 601462	AD / AR
108	-	F	c.309C>G	CHRNA1	Myasthenic syndrome, congenital, 2A, slow-channel # 616313	AD / AR
109	6	M	c.2234A>G	CLCN1	Myotonia congenita, atypical, acetazolamide-responsive # 608390	AD
110	38	F	c.804+1G>A	COL6A1	Ullrich congenital muscular dystrophy #254090	AD / AR
111	52	M	c.2966C>T	COL6A3	Bethlem myopathy # 158810	AD / AR
112	40	F	c.1360C>T	DES	Myopathy, myofibrillar # 601419	AD / AR
113	-	M	c.822A>G c.4777A>C	DST	Neuropathy, hereditary sensory and autonomic, type VI # 614653	AR
114	65	M	c.887C>T	FLNC	Cardiomyopathy familial hypertrophic	AD

# 617047						
115	6	F	c.487C>T	<i>GDAP1</i>	Charcot-Marie-Tooth disease # 607831	AD / AR
116	38	F	c.677_679del			
117	49	M	c.20C>T	<i>HSPB1</i>	Charcot-Marie-Tooth disease # 606595	AD
118	17	M	c.244G>A	<i>KBTBD13</i>	Nemaline myopathy # 609273	AD
119	3	M	c.4205G>A	<i>MYH2</i>	Proximal myopathy and ophthalmoplegia # 605637	AD / AR
120	52	M	c.4205G>A			
121	56	M	c.3127T>G			
122	-	M	c.4421C>A	<i>MYH7</i>	Distal myopathy # 160500	AD
123	-	F	c.349G>C	<i>REEP1</i>	Neuronopathy, distal hereditary motor, type VB # 614751	AD
124	15	M	c.164C>T			
125	48	M	c.12861_12869del c.12956G>A	<i>RYR1</i>	Central core disease # 117000	AD / AR
126	73	M	c.505T>C	<i>SH3TC2</i>	Charcot-Marie-Tooth Disease # 601596	AD / AR
127	44	F	c.1607G>A c.1177+15T>C			
128	19	M	c.247G>T	<i>STIM1</i>	Myopathy, tubular aggregate # 160565	AD / AR
129	1	M	C.1568-1G>A c.2147C>G	<i>TRAPPC11</i>	Muscular dystrophy, limb-girdle # 615356	AR
130	50	M	c.91615_91616dup	<i>TTN</i>	Muscular dystrophy, limb-girdle #608807	AD / AR



[illegible]

[illegible]

[illegible]







[illegible]

Gen	Variant	ACMG	Very Strong	Strong				Moderate						Supporting				
			PVS1	PS1	PS2	PS3	PS4	PM1	PM2	PM3	PM4	PM5	PM6	PP1	PP2	PP3	PP4	PP5
TTN NM_001267550.2	c.38661_38665del p.12885_12887del	P																
	c.3034C>T p.Arg1012*	LP																
	c.106531+1G>A	P																
	c.33064C>T p.Arg11022*	LP																
	c.102941G>A p.Gly34314Asp	LP *																
	c.102966del p.Lys34322AsnfsTer9	LP																
	c.91615_91616dup p.Gly30541ProfsTer19	P																
	c.38737G>T p.Glu12913*	P																
	c.87019_87022del p.29007_29008del	P																
	c.86992_86994delCTG insGTCTGTCAT	LP																
	p.Leu28998delinsValCysHis																	

\*Variant pathogenicity classification according PM3 (For recessive disorders, detected in trans with a pathogenic variant (Pathogenic, Moderate))

