

1 Supplementary Data

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4 Phenotypic differences among Familial Partial Lipodystrophy due to *LMNA* or *PPARG*
5 variants.

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Supplementary Table 1. Comparison of biochemical measurements in adults with familial partial lipodystrophy, FPLD3 and FPLD2

	FPLD3		FPLD2		P value
	N	Value	N	Value	
Age (y)*	29	43.7 ± 15.1	214	41.4 ± 14.1	0.42
Height (cm)*	25	165.0 ± 7.4	214	166.1 ± 9.8	0.59
Weight (kg)*	25	72.7 ± 14.3	214	72.1 ± 16.1	0.87
BMI (kg/m ²)*	25	26.5 ± 3.7	214	26.0 ± 4.4	0.58
LDL-C (mg/dL)*	17	68.5 ± 31.9	121	107.6 ± 39.3	0.0001
Cholesterol (mg/dL)**	27	157 (80 – 415)	156	195 (60 - 710)	0.028
Triglycerides (mg/dL)**	27	257 (50 -5577)	158	215 (38 -9040)	0.038
HDL-C (mg/dL)*	23	30.5 ± 10.0	152	38.5 ± 11.7	0.002
Glucose (mg/dL)**	27	115 (50 – 355)	153	97 (68 - 398)	0.35
HbA1c (%)*	25	7.4 ± 2.0	141	6.5 ± 1.8	0.03
ALT (U/L)**	26	24 (8-59)	48	26 (10 -130)	0.71
AST (U/L)**	26	23 (12-68)	48	22 (9 – 80)	0.47
ALP (U/L)**	26	53 (29 -331)	43	55 (19 – 159)	0.27

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* Data shown as mean ± SD.

** Data skewed and shown as median (minimum and maximum values).

ALP, Alkaline Phosphatase; ALT, Alanine Aminotransferase; AST, Aspartate Aminotransferase; BMI, Body mass index; HbA1c, Hemoglobin A1c; HDL, high-density lipoprotein

32 Supplementary Table 2. Prevalence of Metabolic Disorders in adults with familial partial
 33 lipodystrophy, FPLD3 and FPLD2

	FPLD3		FPLD2		P value
	N Affected/ Total	% Affected	N Affected/Total	% Affected	
Diabetes mellitus	21 / 29	72.4	99 / 201	49.3	0.02
Hypertriglyceridemia	25 / 28	89.3	129 / 183	70.5	0.04
Acute Pancreatitis	14 / 26	53.9	30 / 200	15.0	<0.001
Fatty Liver	14 / 25	56.0	20 / 45	44.4	0.36
Hypertension	12 / 27	44.4	98 / 201	48.8	0.67
Proteinuria	7 / 24	29.2	25 / 165	15.2	0.09
CHD	5 / 25	20.0	35 / 199	17.6	0.77
PCOS	14 / 26	53.8	39 / 143	27.3	0.007

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 35 Abbreviations: CHD, Coronary Heart Disease; PCOS, Polycystic Ovarian Syndrome
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Supplementary Table 3. Comparison of anthropometric parameters and body fat distribution in adults with familial partial lipodystrophy, FPLD3 and FPLD2

	FPLD3		FPLD2		P value
	N	Value	N	Value	
Thigh skinfold (mm)**	13	10.5 (4 -29)	77	5.5 (3 – 35)	0.001
Subscapular skinfold (mm)**	15	28.0 (14 – 55)	82	18.1 (7.8 – 48)	0.001
Suprailiac skinfold (mm)**	13	18 (7- 46)	84	9.3 (4- 40)	0.002
Triceps skinfold (mm)**	15	7.5 (4 – 23.8)	87	5(3 -28.5)	0.007
Biceps skinfold (mm)**	15	7 (3 – 23)	87	4 (2-33)	0.002
Calf skinfold (mm)**	15	6 (4 -17.5)	84	4 (2 -24.5)	0.003
Abdomen skinfold (mm)**	14	25.3 (13 – 50)	85	14.5 (4-60.3)	0.002
Chest skinfold (mm)**	8	11 (5.5 – 19.5)	76	8.6 (4 – 46)	0.34
Axillary skinfold (mm)**	8	20.3 (12.5 – 29)	73	13.3 (5 -41)	0.05
Upper limb fat (%) *	15	27.4 ± 5.9	77	21.0 ± 8.3	0.005
Lower limb fat (%)*	15	19.6 ± 5.6	77	15.6 ± 6.5	0.03
Truncal fat (%)*	15	29.9 ± 6.1	78	27.5 ± 6.9	0.21
Total fat (%)*	16	26.3 ± 5.0	79	22.8 ± 6.4	0.04
Lower limb fat/truncal fat ratio*	15	0.66 ± 0.15	77	0.56 ± 0.17	0.05

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* Data shown as mean ± SD; from dual energy X-ray absorptiometry (DEXA).

** Data skewed and are shown as median (minimum and maximum values).