Table S1. Metabolic pathways associated with VAT, liver and pancreatic PDFF.

	Total pathway metabolites	Metabolite hits	Raw *p*-value	−log10(*p*)	Impact
Liver PDFF					
Valine, leucine and isoleucine (BCAA) biosynthesis	8	2	0.0020576	2.6866	0
Aminoacyl-tRNA biosynthesis	48	3	0.0079837	2.0978	0
Pantothenate and CoA biosynthesis	19	2	0.011871	1.9255	0.00714
Glycerophospholipid metabolism	36	2	0.040064	1.3972	0.19895
Linoleic acid metabolism	5	1	0.044409	1.3525	0
Valine, leucine and isoleucine (BCAA) degradation	40	2	0.048593	1.3134	0.01084
alpha-Linolenic acid metabolism	13	1	0.11167	0.95206	0
Glycosylphosphatidylinositol (GPI)-anchor biosynthesis	14	1	0.11976	0.92168	0.00399
Selenocompound metabolism	20	1	0.16689	0.77756	0
Sphingolipid metabolism	21	1	0.17452	0.75817	0
Alanine, aspartate and glutamate metabolism	28	1	0.22609	0.64572	0
Glutathione metabolism	28	1	0.22609	0.64572	0.08873
Porphyrin and chlorophyll metabolism	30	1	0.24027	0.6193	0
Glyoxylate and dicarboxylate metabolism	32	1	0.2542	0.59482	0.10582
Glycine, serine and threonine metabolism	33	1	0.26108	0.58322	0.24577
Arachidonic acid metabolism	36	1	0.28136	0.55073	0
Primary bile acid biosynthesis	46	1	0.3453	0.4618	0.00758
Pancreatic PDFF					
Lysine degradation	25	1	0.032008	3.4418	0

	Total pathway metabolites	Metabolite hits	Raw *p*-value	−log10(*p*)	Impact
VAT					
Linoleic acid metabolism	5	1	0.016046	1.7946	0
alpha-Linolenic acid metabolism	13	1	0.04129	1.3842	0
Lysine degradation	25	1	0.078183	1.1069	0.14085
Cysteine and methionine metabolism	33	1	0.10214	0.9908	0.02089
Arachidonic acid metabolism	36	1	0.111	0.9547	0
Glycerophospholipid metabolism	36	1	0.111	0.9547	0.09446