

Supplementary Table I
The frequency distribution of the *FTO*, *MC4R* and *INSIG2* variants

Nearest gene	SNP	Allele		Call rate (%)	Total Sample (11/12/22)	HWE p-value	Genotype (11/12/22)				
		Effect (1)	Other (2)				NAFLD				
<i>FTO</i>	rs9939609	A	T	100	25/242/760	0.33	6/47/109	19/195/651			
	rs9930506	G	A	100	43/331/653	0.97	9/55/98	34/276/555			
	rs4783819	G	C	100	51/421/555	0.07	6/75/81	45/346/474			
<i>MC4R</i>	rs12970134	A	G	99.12	49/326/643	0.50	10/53/94	39/273/549			
	rs17782313	C	T	100	56/341/630	0.58	11/49/102	45/292/528			
<i>INSIG2</i>	rs7566605	C	G	100	140/470/417	0.61	17/73/72	123/397/345			
	rs13428113	C	T	100	253/495/279	0.40	41/75/46	212/420/233			
	rs9308762	C	T	100	240/507/280	0.71	41/81/40	199/426/240			

HWE, Hardy Weinberg Equilibrium; SNP, Single Nucleotide Polymorphism; *FTO*, Fat mass and obesity associated gene; *MC4R*, Melanocortin-4 receptor gene; *INSIG2*, Insulin-induced gene 2