Supplementary Materials

Supplementary Table 1: ApoL1 variant concentrations in individual subjects by group

	ApoL1 concentration (µg/mL)			
Group	Total	G0	G1	G2
Subject A	4.0	3.6	0.3	0.1
Subject B	29.8	12.8	0.9	16.1
G0G0	5.5	5.5		
G0G0	12.9	12.9		
G0G0	8.1	8.1		
G0G0	3.0	3.0		
G0G0	5.5	5.5		
G0G0	2.0	2.0		
G0G0	7.8	7.8		
G0G0	6.0	6.0		
G0G0	7.2	7.2		
G0G0	16.1	16.1		
G0G0	9.6	9.6		
G0G0	7.9	7.9		
G0G0	6.8	6.8		
G0G0	5.0	5.0		
G0G0 (liver dx)	3.7	3.7		
G0G0 (liver dx)	0.6	0.6		
G0G0 (liver dx)	6.6	6.6		
G0G0 (liver dx)	3.2	3.2		
G0G0 (liver dx)	0.4	0.4		
G0G0 (liver dx)	0.5	0.5		
G0G0 (liver dx)	6.0	6.0		
G0G0 (liver dx)	5.6	5.6		

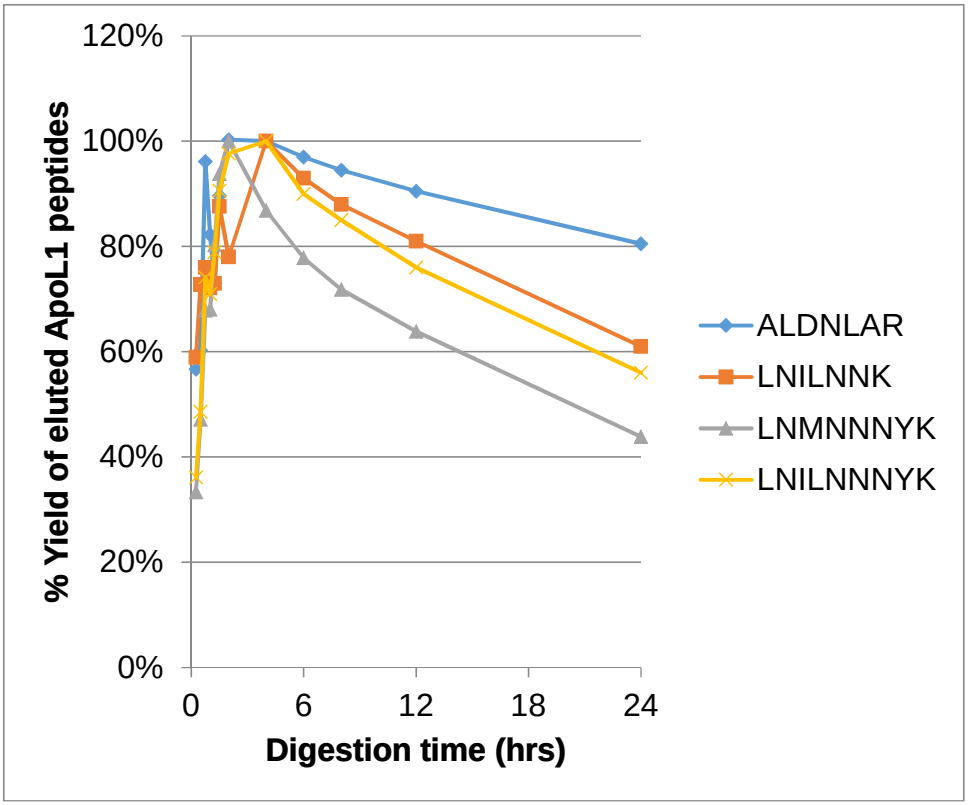
G0G0 (liver dx)	1.0	1.0		
G0G0 (liver dx)	6.8	6.8		
G0G1	5.8	2.7	3.0	
G0G1	5.4	3.6	1.8	
G0G1	8.1	3.7	4.4	
G0G1	6.1	3.0	3.1	
G0G2	9.9	5.3		4.6
G0G2	14.0	9.7		4.3
G0G2	41.7	22.5		19.2
G0G2	27.8	14.5		13.3
G1G2	6.6		3.6	3.0
G1G2	6.5		4.2	2.2
G1G2	5.8		3.1	2.7
G1G2	12.7		7.6	5.1
G1G1	8.3		8.3	
G1G1	7.0	3.3	3.8	
G2G2	8.9			8.9

Supplementary Table 2: Mass spectrometer settings

Peptide	Q1	Q3 (quantification)	Q3 (confirmation)	Collision Energy
Common peptide ALDNLAR	386.9	588.3	157.1	25
Common isotopic standard peptide ALDNL*AR	390.4	595.3		25
G0 peptide LNILNNNYK	553.4	228.2	341.2	30
G0 isotopic standard peptide L*NILNNNYK	556.9	235.2		30
G1 peptide LNMLNNNYK	562.4	652.3	765.4	25
G1 isotopic standard peptide L*NMLNNNYK	565.9	235.2		25
G2 peptide LNILNNK	414.5	488.3	228.2	20
G2 isotopic standard peptide LNIL*NNK	418.0	228.2		20

Other MS settings include: CAD gas = 7, curtain gas = 15, GS1 = 40, GS2 = 40, Source voltage = 2500V, Temp = 450C, DP = 100, EP = 10, CXP = 15. *Site of isotopically labeled amino acid

Supplementary Figure 1: Time course of appearance of ApoL1 peptides in serum after digestion with trypsin, and subsequent loss of yield from deamidation of peptide asparagine residues.



Supplementary Figure 2: Scatterplot comparison of ApoL1 tryptic peptides ALDNLAR vs. VAQELEEK to test yield of digested peptides after 90 minute digestion.