

<b>Supplemental Table 2. Characteristics of NMR features at 1-yr (N=2,067).</b>					
	All	placebo	metformin	lifestyle	P value
Treatment	2,067 (100.0%)	688 (100.0%)	682 (100.0%)	697 (100.0%)	
ApoB (mg/dL)	91.4 (27.3)	92 (28.7)	89.5 (27.5)	92 (26.5)	0.006
ApoA1 (mg/dL)	132.9 (33.9)	132 (30.2)	132.7 (33.1)	134.7 (36.9)	0.05
Large HDL (umol/L)	1.3 (1.3)	1.1 (1.1)	1.4 (1.3)	1.3 (1.2)	<0.001
Medium HDL (umol/L)	4.6 (3.2)	4.5 (3)	5 (3.2)	4.4 (3.2)	<0.001
Small HDL (umol/L)	15.5 (4.4)	15.8 (4.2)	14.7 (4.3)	15.9 (4.5)	<0.001
H7P (umol/L)	0.1 (0.2)	0.1 (0.2)	0.1 (0.2)	0.1 (0.2)	0.082
H6P (umol/L)	0.4 (0.6)	0.4 (0.5)	0.5 (0.7)	0.4 (0.6)	<0.001
H5P (umol/L)	0.6 (0.7)	0.6 (0.6)	0.7 (0.8)	0.6 (0.7)	<0.001
H4P (umol/L)	1.3 (1.2)	1.2 (1.3)	1.3 (1.2)	1.3 (1.2)	0.161
H3P (umol/L)	3.2 (3)	3 (2.9)	3.6 (2.9)	3 (2.9)	<0.001
H2P (umol/L)	13 (4.3)	13.4 (4.2)	12.2 (4.2)	13.6 (4.2)	<0.001
H1P (umol/L)	2.1 (2.2)	2.1 (2.3)	2 (2)	2.1 (2.3)	0.929
Large LDL (nmol/L)	154.4 (208.2)	133.3 (201.3)	180.8 (208)	152 (216.5)	<0.001
Medium LDL (nmol/L)	265.3 (451.3)	260.2 (469.5)	283.2 (447.5)	252 (429.4)	0.052
Small LDL (nmol/L)	1001.8 (653.9)	1055.1 (672.7)	925.1 (654.5)	1024.2 (630)	<0.001
Very large TRL (nmol/L)	0.1 (0.2)	0.1 (0.2)	0.1 (0.1)	0.1 (0.2)	<0.001
Large TRL (nmol/L)	4.1 (6.5)	4.6 (6.3)	2.8 (5.7)	4.7 (6.8)	<0.001
Medium TRL (nmol/L)	21 (22.6)	22.6 (23.9)	19.1 (21.4)	21.5 (22.1)	0.012
Small TRL (nmol/L)	47.9 (45.2)	48.6 (48.8)	47.2 (42)	47.6 (44.3)	0.582
Very small TRL (nmol/L)	83.4 (55.3)	88.1 (56.5)	81.7 (56.3)	80.9 (53.8)	0.02
HDL Size (nm)	8.7 (0.4)	8.7 (0.4)	8.8 (0.4)	8.7 (0.4)	<0.001
LDL Size (nm)	20.6 (0.7)	20.5 (0.8)	20.7 (0.7)	20.6 (0.7)	<0.001
TRL size (nm)	47.3 (11)	48 (11.8)	45.8 (10.3)	47.9 (10.7)	<0.001
TRL-TG (mg/dL)	128.6 (88.6)	135.7 (88.2)	116.3 (79.2)	135 (90)	<0.001
TRL-C (mg/dL)	190.3 (46.7)	191.4 (47.1)	188.7 (48.2)	192 (44.8)	0.139
LDL PPD (1)	0.3 (0.1)	0.3 (0.1)	0.3 (0)	0.3 (0.1)	<0.001
Valine (umol/L)	237.2 (57.9)	239.2 (55.4)	226.6 (56.3)	241.7 (58.7)	<0.001
Leucine (umol/L)	132.3 (42.8)	134.6 (45.2)	126.4 (38.5)	135.8 (41.7)	<0.001
Isoleucine (umol/L)	52.6 (24.9)	52.8 (26.6)	48.1 (22.7)	56 (25)	<0.001
Alanine (umol/L)	391.2 (138.4)	390.7 (138.1)	363.8 (126.9)	419.9 (146.6)	<0.001
GlycA (umol/L)	373.2 (88.5)	377.4 (94.9)	360.6 (81.6)	378 (85.5)	<0.001
Citrate (umol/L)	104.1 (31.5)	102.4 (28.7)	101.9 (29.6)	109.9 (33.5)	<0.001
Ketone bodies (umol/L)	189.8 (95.5)	189.8 (89.6)	183 (92.8)	197.3 (102)	<0.001
BHB (umol/L)	133.6 (68.4)	134.8 (64.1)	126.3 (67)	139.5 (74.8)	<0.001
AcAc (umol/L)	38.7 (28.8)	37.8 (26.9)	37.8 (29.5)	40.9 (28.7)	0.089
Acetone (umol/L)	18.1 (15)	18.4 (14.7)	17.5 (16.2)	18.2 (14.1)	0.347
Glycine (umol/L)	208.9 (59)	202.2 (56.1)	214.8 (59.5)	209.2 (62.2)	<0.001