

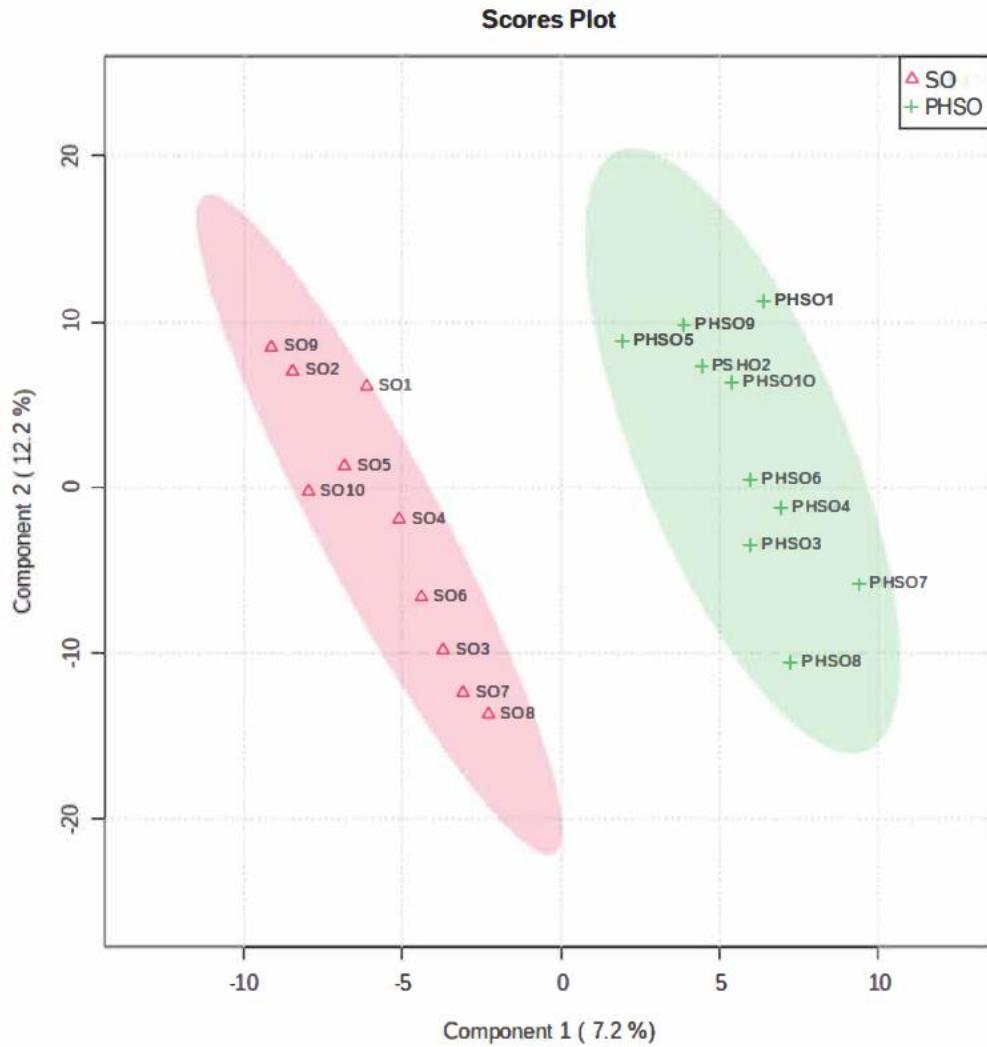
Supplementary Table S1. Composition of the 2 experimental diets

Variables	SO-enriched diet	PHSO-enriched diet
	% energy	
Carbohydrate	52.1	53.9
Protein	16.7	17.2
Total fat	31.2	28.9
SFA	6.52	7.25
MUFA	6.48	9.95
<i>Trans 18:1</i>	0.18	1.85
PUFA	12.7	8.66
<i>Trans 18:2+18:3</i>	0.43	0.67
Cholesterol (mg/1000kcal)	57	63
Fiber (g/1000 kcal)	13.6	13.4

The table was adapted from the parent study [24]. PHSO, partially-hydrogenated soybean oil; MUFA, monounsaturated fatty acids; PUFA, polyunsaturated fatty acids; SFA, saturated fatty acids; SO, soybean oil.

PC P-40:5 or PC O-40:6	1.92	KUHMJRMPHBRAMY- DDURNVNNSA-N	ESI (+)	820.6213	5.69
2,3-dihydroxybutanoic acid	1.88	LOUGYXZSURQALL- UHFFFAOYSA-N	-	292*	384796*
PC P-38:5 or PC O-38:6	1.87	ATTCDOPAYPGSLE- LQULQHAGSA-N	ESI (-)	850.5948	5.58
PC 40:7	1.86	BPUROMFCPFBOT- ZEGPSQTJSA-N	ESI (-)	890.5906	5.26
PI 36:1	1.85	YOBFISPJJWPPTK- JUCSSFOXSA-N	ESI (-)	863.5665	5.41
Linolenic acid	1.80	DTOSIQBPPRVQHS- PDBXOOCHSA-N	ESI (-)	277.2182	1.67
TG 54:3(TG 18:0_18:1_18:2)	1.79	CNGSOZKJBWHOEG- UHFFFAOYSA-N	ESI (+)	902.8325	10.86
TG 54:8(TG 14:0_18:2_22:6)	1.79	AINACBPMKQPREAK- UHFFFAOYSA-N	ESI (+)	892.7395	9.28
Tetradecylsulfate	1.73	URLJMZWTXTZRR- UHFFFAOYSA-N	ESI (-)	293.1784	1.10
PC O-34:2	1.72	WBAZRZTVRJLENP- UHFFFAOYSA-N	ESI (+)	744.5881	5.75

Asterisk indicates the data were from gas chromatography time-of-flight mass spectrometry. DG, diacylglycerol; ESI, electrospray ionization; InChI, the IUPAC International Chemical Identifier; PC, phosphatidylcholine; PE, Phosphatidylethanolamine; RT, retention time; SM, Sphingomyelin; TG, triacylglycerol.



Supplementary Figure S1. Partial least squares discriminant analysis (PLS-DA) of the plasma metabolites in participants after they received soybean- or partially hydrogenated soybean (PHSO)-enriched diets