Table 1S – Peak attributions of lipid extracts ^{1}H NMR spectra.

Chemical shift assignments of ^{1}H NMR signals indicated in Figure 5. Abbreviations: s, singlet; d, doublet; t, triplet; m, multiplet.

Peak	Chemical shift, δ (ppm)	Multiplicity	Proton/ Functional group	Attribution	Reference
a, a'	0.07	s	$CH_3[Si(CH_3)_2O]_nSi(CH_3)_3$	Silicone grease: Polydimethylsiloxane (PDMS)	Gottlieb et al., 1997
b, b'	0.50-0.60	m			
C, c'	0.60-0.69	Broad signal			
D, d'	0.88	t	-C*H*$_3$	Terminal methyl protons in every acyl chain	Vlahov 1999
E, e'	0.92-0.99	Broad signal	-*CH*$_3$	^{13}C satellite of signal at 0.88 ppm	Alonso-Salces et al., 2012
F, f'	1.00-1.16	Broad signal			
G, g'	1.25		-C*H*$_2$-	Methylene envelop of various compounds	Vlahov 1999
h	1.36				

i, i'	1.59		-OCO-CH_2-CH_2-	H-3 protons of acyl moieties in acylglyceric or ester compounds	Vlahov 1999
j, j'	2.01	Broad signal	=CH-CH_2-	Allylic methylenes	Vlahov 1999
k, k'	2.29	m	i) HOOC-CH_2-	i) Methylene protons adjacent to a carboxylic group	Alonso-Salces et al., 2012
			ii) -CO-CH_2-	ii) H-2 protons of acyl moieties in acylglyceric or ester compounds	Vlahov 1999
l, l'	3.22/3.28/3.18	Broad signal			
m	3.65	d	-CH_2OH	Glyceryl group in DAGs	Alonso-Salces et al., 2012
n, n'	3.90-4.04	Broad signal			
o, o'	4.05-4.23	m	C*H*-OH	Glycerol group in DAGs	Almoselhy 2014
			-CH_2-OR	H-1/H-3 proton of glycerol group TAG	Vlahov 1999
p, p'	4.30-4.44	d	-CH_2-OR	H-1/H-3 proton of glycerol group TAG	Vlahov 1999
q	5.10	m			

r, r'	5.16-5.26	Broad signal	>C*H*-OR	H-2 proton in TAGs	Vlahov 1999
s, s'	5.29	t	=C*H*-	All UFA	Vlahov 1999
t, t'	7.26 (not shown)			$CDCl_3$ solvent residual peak	Gottlieb et al., 1997