

## Additional file 4.

Lipid	uRBC	Trophozoite	I	II	III	IV	V
<b>Phospholipids</b>							
phosphatidylcholine	181 ± 27 (23)	741 ± 240 (34)	995 ± 17 (36)	967 ± 46 (30)	1060 ± 33 (26)	1179 ± 80 (23)	1265 ± 71 (24)
phosphatidylethanolamine	86 ± 14 (11)	425 ± 150 (20)	501 ± 25 (18)	557 ± 11 (17)	671 ± 11 (17)	766 ± 52 (15)	553 ± 45 (11)
phosphatidylserine	4.3 ± 6.7 (4.3)	79.7 ± 32.6 (3.7)	85.7 ± 2.6 (3.1)	71.3 ± 5.9 (2.2)	88.2 ± 3.9 (2.2)	76.0 ± 2.8 (1.5)	49.4 ± 3.7 (1.0)
phosphatidylglycerol	0.2 ± 0.2 (0.0)	58.5 ± 25.0 (2.7)	36.2 ± 1.0 (1.3)	24.9 ± 1.6 (0.8)	25.5 ± 3.4 (0.6)	18.0 ± 2.0 (0.4)	14.3 ± 0.8 (0.3)
<b>Sphingolipids</b>							
sphingomyelin	89 ± 15 (11)	52.2 ± 18.1 (2.4)	108.4 ± 5.4 (3.9)	151.7 ± 3.1 (4.8)	255 ± 20 (6.3)	346 ± 32 (6.8)	362 ± 11 (7.0)
ceramide	4.9 ± 0.6 (0.6)	5.5 ± 3.3 (0.3)	6.8 ± 0.1 (0.2)	7.8 ± 0.2 (0.2)	12.2 ± 1.2 (0.3)	15.1 ± 1.5 (0.3)	18.1 ± 1.1 (0.3)
<b>Cholesterol</b>	366 ± 62 (47)	410 ± 9 (19)	579 ± 51 (21)	823 ± 68 (26)	1195 ± 81 (30)	1473 ± 16 (29)	1518 ± 16 (29)
<b>Neutral lipids</b>							
cholesteryl esters	2.9 ± 1.1 (0.3)	n.d.	44.8 ± 3.3 (1.6)	109.6 ± 2.1 (3.4)	132.1 ± 6.8 (3.3)	256 ± 17 (5.0)	308 ± 15 (5.9)
diacylglycerols	16 ± 2 (2.0)	319.4 ± 100 (15)	346.3 ± 3.8 (13)	392 ± 19 (12)	538 ± 44 (13)	796.2 ± 5.2 (16)	926 ± 46 (18)
triacylglycerols	4.7 ± 0.4 (0.6)	59 ± 22 (2.7)	60.3 ± 3.2 (2.2)	81 ± 21 (2.5)	66.0 ± 4.8 (1.6)	178 ± 20 (3.5)	159 ± 14 (3.1)
<b>Total lipids</b>	784 ± 125	2151 ± 576	2763 ± 38	3186 ± 26	4043 ± 145	5103 ± 43	5172 ± 59
<b>Cholesterol / Phospholipids</b>	1.22	0.31	0.34	0.47	0.57	0.62	0.68