Supplementary information, Table S2 Relative abundance of major GSLs identified in mouse macrophages.

	macrophages left untreated					macrophages stimulated with LPS for 3h			
GSL	Molecular ions$[M+Na]^+$	Fatty Acid	Sphingosine	Total GSL(%)	GSL	Molecular ions$[M+Na]^+$	Fatty Acid	Sphingosine	Total GSL(%)
GlcCer	806.83	16:0	d18:1	21.13%	GlcCer	806.83	16:0	d18:1	25.25%
	862.92	20:0	d18:1			862.92	20:0	d18:1	
	891.00	22:0	d18:1			890.92	22:0	d18:1	
	892.67	22:0	d18:0			892.58	22:0	d18:0	
	917.00	24:1	d18:1			917.00	24:1	d18:1	
	919.00	24:0	d18:1			919.00	24:0	d18:1	
	949.00	h24:0	d18:1			949.00	h24:0	d18:1	
	951.17	h22:0	t18:0			951.25	h22:0	t18:0	
LacCer	1011.00	16:0	d18:1	27.82%	LacCer	1010.92	16:0	d18:1	28.22%
	1039.83	h16:0	d18:1			1039.00	h16:0	d18:1	
	1067.00	20:0	d18:1			1067.00	20:0	d18:1	
	1095.08	22:0	d18:1			1095.00	22:0	d18:1	
	1121.08	24:0	d18:2			1121.00	24:0	d18:2	
	1123.08	24:0	d18:1			1123.08	24:0	d18:1	
Gb3/iGb3	1215.83	16:0	d18:1	1.41%	Gb3/ iGb3	1215.00	16:0	d18:1	2.26%
	1243.67	18:00	d18:1			1243.17	18:0	d18:1	
	1271.42	20:0	d18:1			1271.00	20:0	d18:1	
	1300.08	22:0	d18:1			1300.00	22:0	d18:1	
	1326.08	24:0	d18:1			1326.00	24:0	d18:1	
	1355.20	26:0	d18:1			1355.25	26:0	d18:1	
Lc3	1256.00	16:0	d18:1	10.42%	Lc3	1256.00	16:0	d18:1	8.97%
	1286.08	h16:0	d18:1			1286.00	h16:0	d18:1	
	1340.17	22:0	d18:1			1340.17	22:0	d18:1	
	1366.08	24:1	d18:1			1366.17	24:1	d18:1	
	1368.17	24:0	d18:1			1368.08	24:0	d18:1	
	1396.08	26:0	d18:1			1396.17	26:0	d18:1	
Gb4/iGb4/ nLc4	1460.17	16:0	d18:1	39.21%	Gb4/iGb4/nLc4	1460.17	16:0	d18:1	35.30%
	1490.17	h16:0	d18:1			1490.17	h16:0	d18:1	
	1544.25	22:0	d18:1			1544.17	22:0	d18:1	
	1570.25	24:1	d18:1			1570.25	24:1	d18:1	
	1572.25	24:0	d18:1			1572.25	24:0	d18:1	
	1600.25	26:0	d18:1			1600.25	26:0	d18:1	

For fatty acid, the number before the colon refers to the length of carbon chain, and the number after

the colon stands for the total amount of double bonds. For sphingosine, the number before the colon refers to the length of carbon chain, and the number after the colon shows the total amount of double bonds. ‘d’ represents dihydroxyl.