

Supplementary Table 2. LC-MS/MS parent and daughter ion transition.

Sphingolipid species	Parent	Daughter	Fragmentor	CE
DHCer d18:0/12:0	484.4	466.4	100	17
DHCer d18:0/14:0	512.4	494.4	100	17
DHCer d18:0/16:0	540.4	522.4	100	17
DHCer d18:0/18:0	568.4	550.4	100	17
DHCer d18:0/18:1	566.4	548.4	100	17
DHCer d18:0/20:0	596.4	578.4	100	17
DHCer d18:0/22:0	624.4	606.4	100	17
DHCer d18:0/22:1	622.4	604.4	100	17
DHCer d18:0/23:0	638.4	620.4	100	17
DHCer d18:0/24:0	652.4	634.4	100	17
DHCer d18:0/24:1	650.4	632.4	100	17
DHCer d18:0/26:0	680.7	662.7	100	17
DHCer d18:0/26:1	678.7	660.7	100	17
DHCer d18:0-d7/13:0	505.5	487.5	100	17
Cer d18:1/12:0	482.4	264.4	110	25
Cer d18:1/14:0	510.4	264.4	110	25
Cer d18:1/16:0	538.4	264.4	110	25
Cer d18:1/18:0	566.4	264.4	110	25
Cer d18:1/18:1	566.7	264.4	110	25
Cer d18:1/20:0	594.4	264.4	110	25
Cer d18:1/22:0	622.4	264.4	110	25
Cer d18:1/22:1	620.4	264.4	110	25
Cer d18:1/23:0	636.7	264.4	110	25
Cer d18:1/24:0	650.4	264.4	110	25
Cer d18:1/24:1	648.4	264.4	110	25
Cer d18:1/26:0	678.7	264.4	110	25
Cer d18:1/26:1	676.7	264.4	110	25
Cer d18:1-d7/15:0	531.4	271.4	110	25
Deoxy-DHCer m18:0/12:0	468.7	268.4	104	29
Deoxy-DHCer m18:0/14:0	496.7	268.4	104	29
Deoxy-DHCer m18:0/16:0	524.7	268.4	104	29
Deoxy-DHCer m18:0/18:0	552.7	268.4	104	29
Deoxy-DHCer m18:0/18:1	550.7	268.4	104	29
Deoxy-DHCer m18:0/20:0	580.7	268.4	104	29
Deoxy-DHCer m18:0/22:0	608.7	268.4	104	29
Deoxy-DHCer m18:0/22:1	606.7	268.4	104	29
Deoxy-DHCer m18:0/23:0	622.7	268.4	104	29
Deoxy-DHCer m18:0/24:0	636.7	268.4	104	29
Deoxy-DHCer m18:0/24:1	634.7	268.4	104	29
Deoxy-DHCer m18:0/26:0	664.7	268.4	104	29
Deoxy-DHCer m18:0/26:1	662.7	268.4	104	29
Deoxy-Cer m18:1/12:0	466.7	266.4	83	25
Deoxy-Cer m18:1/14:0	494.4	266.4	83	25
Deoxy-Cer m18:1/16:0	522.4	266.4	83	25
Deoxy-Cer m18:1/18:0	550.4	266.4	83	25

Deoxy-Cer m18:1/18:1	548.4	266.4	83	25
Deoxy-Cer m18:1/20:0	578.4	266.4	83	25
Deoxy-Cer m18:1/22:0	606.4	266.4	83	25
Deoxy-Cer m18:1/22:1	604.4	266.4	83	25
Deoxy-Cer m18:1/23:0	620.4	266.4	83	25
Deoxy-Cer m18:1/24:0	634.4	266.4	83	25
Deoxy-Cer m18:1/24:1	632.4	266.4	83	25
Deoxy-Cer m18:1/26:0	662.7	266.4	83	25
Deoxy-Cer m18:1/26:1	660.7	266.4	83	25