

S2 Table. Assignment of signals detected in ESI spectra from sphingomyelin (SM) spots. n.a. - not assigned.

| <i>m/z</i> | assignment | <i>m/z</i> | assignment |
|------------|------------------------------------|------------|------------------------------------|
| 697.5 | [SM(d18:1/14:0) + Na] ⁺ | 851.7 | [SM43:1;O2 + Na] ⁺ |
| 703.6 | [SM(d18:1/16:0) + H] ⁺ | 859.7 | [SM44:4;O2 + Na] ⁺ |
| 705.6 | [SM(d18:0/16:0) + H] ⁺ | 863.7 | [SM(d18:1/26:1) + Na] ⁺ |
| 725.6 | [SM(d18:1/16:0) + Na] ⁺ | 873.7 | [SM45:4;O2 + Na] ⁺ |
| 727.6 | [SM(d18:0/16:0) + Na] ⁺ | 875.7 | [SM45:3;O2 + Na] ⁺ |
| 753.6 | [SM(d18:1/18:0) + Na] ⁺ | 885.7 | [SM(d18:1/28:4) + Na] ⁺ |
| 781.6 | [SM(d18:1/20:0) + Na] ⁺ | 887.7 | [SM46:4;O2 + Na] ⁺ |
| 807.6 | [SM(d18:1/22:1) + Na] ⁺ | 901.7 | [SM47:4;O2 + Na] ⁺ |
| 809.6 | [SM(d18:1/22:0) + Na] ⁺ | 909.7 | [SM(d18:1/30:6) + Na] ⁺ |
| 813.6 | [SM(d18:1/24:1) + H] ⁺ | 913.7 | [SM(d18:1/30:4) + Na] ⁺ |
| 821.6 | [SM41:2;O2 + Na] ⁺ | 927.7 | [SM49:5;O2 + Na] ⁺ |
| 823.6 | [SM41:1;O2 + Na] ⁺ | 929.7 | [SM49:4;O2 + Na] ⁺ |
| 835.6 | [SM(d18:1/24:1) + Na] ⁺ | 937.7 | [SM(d18:1/32:6) + Na] ⁺ |
| 837.6 | [SM(d18:1/24:0) + Na] ⁺ | 965.7 | [SM(d18:1/34:6) + Na] ⁺ |