

**Supplemental Table S2** – Fatty acids monitored by single ion monitoring (SIM) in the GC-MS fatty acid profiling technique.

Fatty Acid	Monitored Ions ( $m/z$ )	Time Window (min)
FA(14:0)	227.4	3.50-9.20
FA(15:0)	241.4	3.50-9.20
FA(16:0)	255.4	9.20-10.00
FA(16:1( $\Omega$ 7))	253.4	9.20-10.00
FA(17:0)	269.7	10.00-10.80
FA(18:0)	283.4	10.80-11.70
FA(18:1( $\Omega$ 7))	281.4	10.80-11.70
FA(18:1( $\Omega$ 9))	281.4	10.80-11.70
FA(18:2( $\Omega$ 6))	279.4	10.80-11.70
FA(18:3( $\Omega$ 3))	277.4	10.80-11.70
FA(18:3( $\Omega$ 6))	277.4	10.80-11.70
FA(20:0)	311.5	11.70-13.50
FA(20:1( $\Omega$ 9))	309.5	11.70-13.50
FA(20:2( $\Omega$ 6))	307.5	11.70-13.50
FA(20:3( $\Omega$ 3))	305.5	11.70-13.50
FA(20:4( $\Omega$ 6))	303.5	11.70-13.50
FA(20:5( $\Omega$ 3))	301.5	11.70-13.50
FA(22:0)	339.6	13.50-16.00
FA(22:1( $\Omega$ 9))	337.6	13.50-16.00
FA(22:2( $\Omega$ 6))	335.6	13.50-16.00
FA(22:3( $\Omega$ 3))	333.6	13.50-16.00
FA(22:6( $\Omega$ 3))	327.6	13.50-16.00