

Table S2 – Standard diet (SD) and High Fat Diet (HFD) fatty acid composition.

Fatty acids	Fatty acid concentration ( $\mu\text{g}/\text{mg}$ of feed)	
	SD	HFD
C8:0	nd	nd
C10:0	$0.37 \pm 0.7$	nd
C11:0	nd	nd
C12:0	nd	$1.8 \pm 0.5$
C13:0	nd	$0.2 \pm 0.4$
C14:0	nd	$1.1 \pm 0.3$
C14:1n-5	nd	nd
C15:0	nd	nd
C15:1n-5	nd	nd
C16:0	$4.2 \pm 0.8$	$40.5 \pm 1.4$
C16:1n-7	nd	$0.2 \pm 0.1$
C17:0	$4.4 \pm 0.8$	$4.4 \pm 0.2$
C17:1n-7	nd	nd
C18:0	$1.2 \pm 0.4$	$33.8 \pm 0.7$
C18:1n-9	$7.8 \pm 1.2$	$200.7 \pm 2.7$
C18:2n-6	$17.3 \pm 1.9$	$37.0 \pm 1.9$
C18:3n-6	nd	$0.3 \pm 0.0$
C18:3n-3	$1.3 \pm 0.5$	$0.3 \pm 0.0$
C20:0	nd	$1.3 \pm 0.1$
C20:1n-9	nd	$0.7 \pm 0.0$
C20:2n-6	nd	nd
C20:3n-6	nd	nd
C21:0	nd	nd
C20:4n-6	nd	nd
C20:3n-3	nd	nd
C20:5n-3	nd	nd
C22:0	$0.1 \pm 0.2$	$1.6 \pm 0.2$
C22:1n-9	nd	nd
C22:2n-6	nd	nd
C23:0	nd	$0.1 \pm 0.0$
C24:0	nd	$0.2 \pm 0.3$
C22:6n-3	nd	nd
C24:1n-9	nd	nd

nd: not detected