

CD36 Level and Trafficking are Determinants of Lipolysis in Adipocytes

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Table S1. TAG FA composition in 3T3-L1 adipocyte and adipose tissue

3T3-L1 adipocytes were treated with a negative control siRNA (CTL) or an siRNA recognizing CD36 (KD). Total lipids of cultured adipocytes or adipose tissues from wild type (WT) or CD36 null (Null) mice were extracted and TAG was purified by TLC. FA compositions were analyzed by quantitative GC. The results are expressed in percentages of total major FAs and represent means \pm SD.

FA	3T3-L1 cells		p-value CTL vs KD	Adipose tissue		p-value WT vs Null
	CTL (n= 3)	KD (n= 3)		WT (n= 6)	Null (n= 7)	
C14:0	3.50 \pm 0.30	3.41 \pm 0.10	0.63	1.28 \pm 0.13	1.45 \pm 0.21	0.12
C14:1	0.83 \pm 0.16	1.00 \pm 0.10	0.20	0.06 \pm 0.02	0.13 \pm 0.01	<0.01
C15:0	7.59 \pm 1.99	8.84 \pm 0.88	0.38	0.20 \pm 0.05	0.21 \pm 0.05	0.66
C15:1	1.15 \pm 0.49	1.48 \pm 0.25	0.35	< 0.01	< 0.01	
C16:0	30.84 \pm 3.23	27.54 \pm 3.84	0.32	21.43 \pm 1.03	18.80 \pm 3.20	0.08
C16:1	23.83 \pm 1.64	28.74 \pm 2.69	0.05	4.27 \pm 0.73	7.59 \pm 0.51	<0.01
C17:0	2.35 \pm 0.57	2.02 \pm 0.44	0.48	0.23 \pm 0.10	0.11 \pm 0.05	0.04
C17:1	6.22 \pm 0.34	6.32 \pm 0.61	0.81	0.24 \pm 0.07	0.22 \pm 0.06	0.70
C18:0	3.92 \pm 1.16	2.05 \pm 0.59	0.07	3.71 \pm 0.81	1.71 \pm 0.73	<0.01
C18:1	18.29 \pm 1.55	17.46 \pm 0.27	0.41	28.84 \pm 2.04	29.72 \pm 3.21	0.56
C18:2	1.40 \pm 0.19	1.09 \pm 0.14	0.07	31.49 \pm 2.87	32.02 \pm 4.91	0.81
C20:0	0.10 \pm 0.03	0.07 \pm 0.02	0.17	0.76 \pm 0.14	0.30 \pm 0.06	<0.01