Supplementary table 3: Skeletal muscle gene expression in mice fed a LF-CAS or LF-WPI diet for 15 weeks.

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| --- | --- | --- | --- | --- | --- | --- |
|  | LF-CAS | SEM |  | LF-WPI  | SEM | *P* value |
| IR | 1.00 | 0.19 |  | 1.01 | 0.08 | NS |
| GLUT4 | 1.00 | 0.10 |  | 0.82 | 0.05 | NS |
| IRS-1 | 1.00 | 0.08 |  | 0.81 | 0.04 | 0.06 |
| CPT1b | 1.00 | 0.13 |  | 0.85 | 0.06 | NS |
| UCP-3 | 1.00 | 0.17 |  | 0.94 | 0.09 | NS |
| LPL | 1.00 | 0.14 |  | 0.87 | 0.16 | NS |
| ACC | 1.00 | 0.43 |  | 0.62 | 0.21 | NS |
| CD36 | 1.00 | 0.14 |  | 1.05 | 0.15 | NS |

Data are means ± SEM (n = 8). Values differ significantly if *P <* 0.05; NS, non-significant. LF-CAS, 10% kJ fat, 35%kJ sucrose with 20%kJ casein protein; LF-WPI, 10% kJ fat, 35%kJ sucrose with 20%kJ whey protein isolate (20% kJ). Gene expressions are shown relative to the LF-CAS group which was set at 1.00. IR, Insulin receptor; GLUT4, Glucose transporter 4; IRS-1, Insulin receptor substrate 1; CPT1b, Carnitine palmitoyltransferase 1b; UCP-3, Uncoupling protein 3; LPL, Lipoprotein lipase; ACC, Acetyl-CoA carboxylase; CD36, Cluster of differentiation 36.