**S3 Table.** Relationship between total muscle mass and humoral factors in the adipose tissue of mice fed ND or HFD.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Total muscle mass |  | Total muscle mass (% before reloading) |
| Epididymal |  | Subcutaneous | Epididymal |  | Subcutaneous |
| Gene | r | *P* | r | *P* | r | *P* | r | *P* |
| LeptinMCP-1PAI-1TNF-αOsteoglycin | 0.0760.2200.0620.301-0.375 | 0.6800.2260.7370.0940.034 | 0.3170.2190.222-0.2210.186 | 0.0770.2280.2210.2240.307 | 0.7020.6860.4990.242-0.617 | 0.0020.0030.0490.3670.011 |  | 0.746-0.3130.452-0.2370.243 | 0.0010.2380.0790.3780.364 |

A simple regression analysis was performed on total muscle mass or its relative changes and the mRNA levels of leptin, MCP-1, PAI-1, TNF-α, or osteoglycin in the epididymal and subcutaneous adipose tissue of mice fed ND or HFD after reloading for 4 weeks. MCP-1, monocyte chemoattractant protein-1; PAI-1, plasminogen activator inhibitor-1; TNF, tumor necrosis factor.