**Figure 2—Source data 4.** Linear regression of the metabolic cage data obtained from the whole cohort of male mice and after segregation by age groups.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Correlation (n=48) | r^2 | p |  |  |  |  |
| VO2 vs. BW | 0.4516 | <0.0001\*\*\* |  |  |  |  |
| VO2 vs. Age | 0.0205 | 0.3316 |  |  |  |  |
| VCO2 vs. BW | 0.09373 | 0.0343\* |  |  |  |  |
| VCO2 vs. Age | 0.00076 | 0.8525 |  |  |  |  |
| EE vs. BW | 0.3689 | <0.0001\*\*\* |  |  |  |  |
| EE vs. Age | 0.0114 | 0.4691 |  |  |  |  |
| Ambulation vs. BW | 0.1001 | 0.0284\* |  |  |  |  |
| Ambulation vs. Age | 0.3149 | <0.0001\*\*\* |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Young (n=8) | | Adult (n=22) | | Old (n=18) | |
| Correlation | r^2 | p | r^2 | p | r^2 | P |
| VO2 vs. BW | 0.898 | 0.0003\*\*\* | 0.3711 | 0.0026\*\* | 0.03268 | 0.4729 |
| VCO2 vs. BW | 0.8498 | 0.0011\*\* | 0.01173 | 0.6314 | 0.0033 | 0.8209 |
| EE vs. BW | 0.9179 | 0.0002\*\*\* | 0.0387 | 0.0090\*\* | 0.0093 | 0.7028 |
| Ambulation vs. BW | 0.4292 | 0.0778 | 0.0551 | 0.2932 | 0.1155 | 0.1677 |
|  |  |  |  |  |  |  |

Significance: \* <0.05; \*\* <0.01; \*\*\*; <0.001.