**Figure 2—Source data 5**. Generalized linear model (GLM) to assess potential significant interaction effect in energetic parameters between mice of various age groups.

|  |  |  |
| --- | --- | --- |
|  | GLM (Adult vs. Young) | GLM (Old vs. Young) |
| Effect | Mass | Group | Interaction | Mass | Group | Interaction |
| VO2 (mL/hr) | <0.001\*\*\* | 0.0271\* | 0.0404\* | <0.001\*\*\* | 0.0188\* | 0.0242\* |
| VCO2 (mL/hr) | 0.0080\*\* | 0.0118\* | 0.0202\* | 0.0080\*\* | 0.0137\* | 0.0211\* |
| EE (kcal/hr) | 0.0014\*\* | 0.0200\* | 0.0320\* | 0.0014\*\* | 0.0142\* | 0.0194\* |
|  |  |  |  |  |  |  |
|  | Adult vs. Young | Old vs. Young |
| RER | 0.5877 | 0.1109 |
| Locomotor activity (beam breaks) | 0.6855 | 0.1165 |
| Ambulatory activity (beam breaks) | 0.5670 | 0.0064\*\* |

Data were generated from the CalR software (Mina et al., 2018). Significance: <0.001, \*\*\*; <0.01, \*\*; <0.05, \*.