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| --- | --- | --- | --- | --- | --- |
| **Normalized by Initial BW** | | | | | |
|  | **WT-PBS** | **WT-LLC** | **KO-PBS** | **KO-LLC** | **Significance (p0.05)** |
| **Final BW** | 1.09±0.02 | 1.13±0.03 | 1.12±0.02 | 1.06±0.03 | ns |
| **Tumor-Free BW** | 1.09±0.02 | 1.04±0.01 | 1.12±0.02 | 1±0.02 | Interaction (p=0.01) |
| **Soleus** | 0.4±0.01 | 0.39±0.01 | 0.42±0.01 | 0.38±0.01 | ME LLC (p=0.003) |
| **Plantaris** | 0.77±0.02 | 0.7±0.02 | 0.79±0.02 | 0.69±0.05 | ME LLC (p=0.008) |
| **Gastrocnemius** | 5.43±0.1 | 4.74±0.12 | 5.46±0.1 | 4.7±0.24 | ME LLC (p<0.0001) |
| **Extensor Digitorum Longus** | 0.46±0.02 | 0.41±0.02 | 0.49±0.02 | 0.37±0.01 | ME LLC (p=0.0003) |
| **Tibialis Anterior** | 1.92±0.03 | 1.76±0.05 | 1.99±0.05 | 1.68±0.06 | ME LLC (p=0.001) |
| **Heart** | 5.73±0.14 | 5.59±0.22 | 5.76±0.13 | 5.41±0.14 | ME LLC (p=0.004) |
| **Liver** | 52.37±1.8 | 59.53±3.07 | 52.4±2.07 | 58.54±3.5 | ns |
| **Spleen** | 4.19±0.12 | 9.83±1.59 | 4.6±0.1 | 9.01±1.28 | ME LLC (p<0.0001) |
| **Fat** | 14.59±1.71**a** | 9.5±1.15**b** | 9.73±0.7**ab** | 11.59±1.43**ab** | Interaction (p=0.01) |
| **Tumor (mg/g)** | - | 91.8±30.92 | - | 99.68±47.61 | ns |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Raw Weights** | | | | | |
|  | **WT-PBS** | **WT-LLC** | **KO-PBS** | **KO-LLC** | **Significance (p0.05)** |
| **Initial Body Weight (BW[g])** | 19.16±0.38 | 20.41±0.26 | 18.42±0.51 | 19.49±0.85 | ns |
| **Final BW (g)** | 20.93±0.43 | 22.67±0.8 | 20.44±0.49 | 21.46±1.04 | ME LLC (p=0.03) |
| **Tumor-Free BW (g)** | 20.93±0.43 | 21.11±0.31 | 20.44±0.49 | 19.46±0.78 | ns |
| **Soleus (mg)** | 7.85±0.24 | 7.97±0.19 | 7.98±0.27 | 7.66±0.34 | ns |
| **Plantaris (mg)** | 14.7±0.38 | 14.11±0.49 | 14.83±0.43 | 12.58±0.54 | ME LLC (p=0.003) |
| **Gastrocnemius (mg)** | 104.06±3.03 | 94.93±1.79 | 100.55±3.12 | 90.38±3.2 | ME LLC (p=0.001) |
| **Extensor Digitorum Longus (mg)** | 8.67±0.41 | 8.28±0.5 | 8.99±0.43 | 7.53±0.37 | ME LLC (p=0.04) |
| **Tibialis**  **Anterior (mg)** | 37.04±0.76 | 35.23±1.02 | 36.61±1.22 | 33.91±1.44 | ME LLC (p=0.05) |
| **Heart (mg)** | 109.83±3.89 | 112.53±5.24 | 105.43±2.69 | 105.32±5.19 | ME KO (p=0.04) |
| **Liver (mg)** | 1001.47±35.74 | 1198.47±68.91 | 966.17±47.93 | 1145.81±92.89 | ME LLC (p=0.004) |
| **Spleen (mg)** | 82.98±3.48 | 226.62±41.72 | 83.14±1.96 | 174.99±27.39 | ME LLC (p<0.0001) |
| **Fat (mg)** | 282±37.46 | 190.73±23.8 | 176.38±14.02 | 231.32±32.61 | Interaction (p=0.04) |
| **Tumor (mg)** | - | 1.85±0.63 | - | 2±0.98 | ns |

Supplementary Table 2. BNIP3 KO Female Phenotype.