**Supplementary File 2:** Specific force of EDL and soleus muscle from WT and dHT mice treated with vehicle or TMP269+5-Aza for 15 weeks. Muscles were stimulated with a single twitch or tetanic stimulation (EDL: 150 Hz, 400 ms duration; soleus 120 Hz, 400 ms duration). Values are expressed as specific force (mN/mm2) \*p <0.05 \*\*p<0.01 dHT vs WT; ¶ p<0.05 dHT vehicle vs dHT TMP269+5-Aza (ANOVA followed by the Bonferroni post hoc test).

(ANOVA followed by the Bonferroni post hoc test).

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| --- | --- | --- | --- |
|  |  | **EDL** | **soleus** |
| **Genotype** | **Treatment** | **Twitch**(mean±SD) | **Tetanus****150 Hz**(mean±SD) | **Twitch**(mean±SD) | **Tetanus****120 Hz**(mean±SD) |
| WT | Vehicle (n=8) | 171.24±29.32 | 452.96±89.58 | 96.58±25.78 | 315.86±56.96 |
| dHT | Vehicle(n=10)(P value) | \*\*64.92±13.93(P=0.0015) | \*373.76±73.16(P=0.036) | \*67.55±11.26(P=0.040) | \*276.29±40.04(P=0.043) |
| TMP269 + 5Aza(n=13)(P value) | \*74.37±41.30(P=0.012) | \*379.96±87.87(P=0.044) | \*¶84.61±14.06(\*P=0.048)(¶P=0.047) | \*¶334.78±65.74(\*P=0.047)(¶P=0.048) |
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