**Figure S1**

A

B

C

D

**Figure S2**

A

B

C

D

E

F

**Figure S1-S2**: C2C12 and C57 maintained in cycling (DO) and differentiating conditions (D1-D3-D6-D7-D14) were analyzed in western blot. 40 ug of protein extracts were resolved in SDS-PAGE and Sclerostin expression was revealed. Where indicated, 40 ug of protein extracts obtained by quadriceps and femur/tibiae were added.
Table S1: Raw data recorded in Fig. 5D-5E-5F were shown in tables.

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>ΔSclO/ET (ng/ml) Mean</th>
<th>SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET</td>
<td>-32.574</td>
<td>24.794</td>
</tr>
<tr>
<td>Empty</td>
<td>59.120</td>
<td>40.524</td>
</tr>
<tr>
<td>Not ET</td>
<td>-41.354</td>
<td>20.120</td>
</tr>
</tbody>
</table>

**Figure S3**

**Figure S3**: Quantification based on total amount of protein/lane versus Sclerostin protein of western blot shown in figure 4B and 4C.