



Supplementary Figure 7. miR151-5p overexpression in EVs reduced EV dosage for disease treatment in *Tsk*^{+/+} mice. (A) MicroCT analysis showing BMD and TB area in distal femurs of *Tsk*^{+/+}, EV-treated *Tsk*^{+/+}, 10% EV-treated *Tsk*^{+/+} and 10% miR151-OE-EV-treated *Tsk*^{+/+} mice. (B) H&E staining showing TB volume (yellow-circled area) in *Tsk*^{+/+}, EV-treated *Tsk*^{+/+}, 10% EV-treated *Tsk*^{+/+} and 10% miR151-OE-EV-treated *Tsk*^{+/+} mouse distal femurs. Scale bar, 1 mm. (C) Histological images of distal femurs showing the number of adipocytes in *Tsk*^{+/+}, EV-treated *Tsk*^{+/+}, 10% EV-treated *Tsk*^{+/+} and 10% miR151-OE-EV-treated *Tsk*^{+/+} mouse bone marrow based on Oil red O staining. Scale bar, 50 μm . All experimental data were verified in at least 3 independent experiments. Error bars represent the s.d. from the mean values. *** $P < 0.005$; ** $P < 0.01$; * $P < 0.05$.