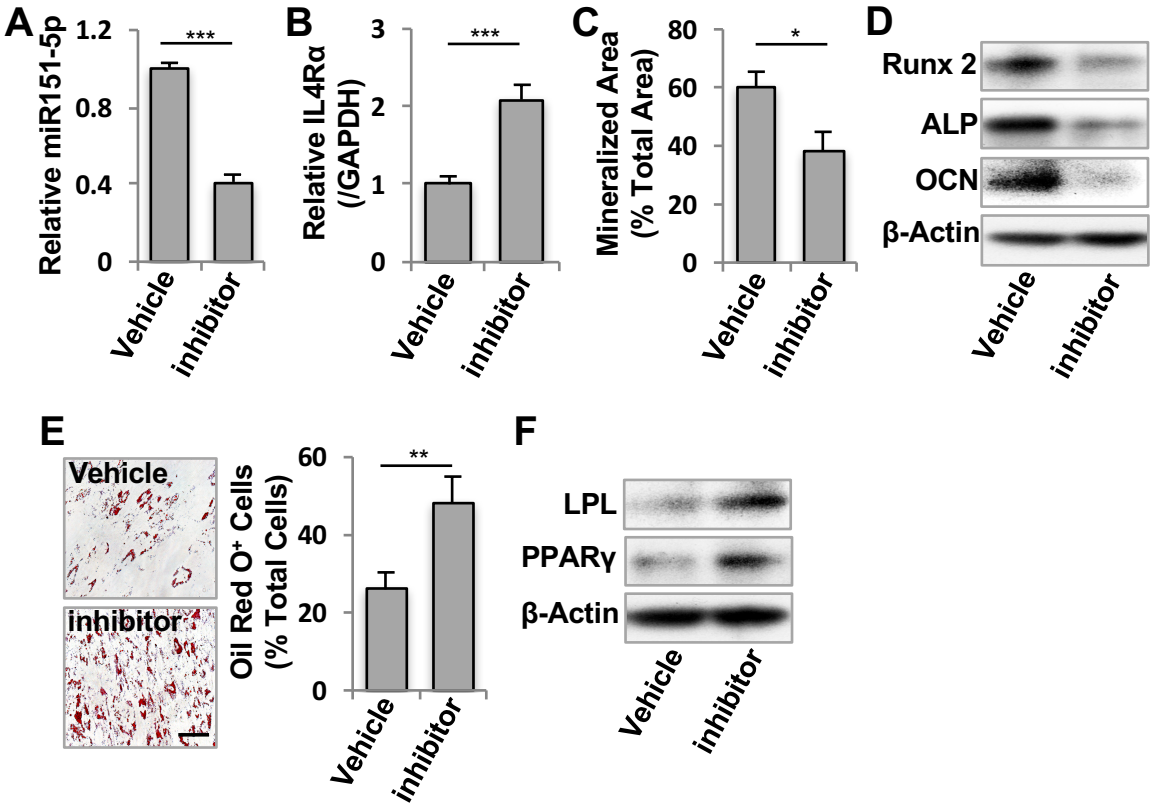

Supplementary Figure 3. miR-151-5p inhibitor regulated human BMMSC lineage differentiation. (**A**) qPCR analysis showing the levels of miR-151-5p in vehicle- and miR-151-5p inhibitor-treated human BMMSCs (hMSCs). (**B**) qPCR analysis showing the expression levels of *Il4rα* in vehicle- and miR-151-5p inhibitor-treated hMSCs. (**C**) Alizarin red staining showing formation of mineralized nodules in of vehicle- and miR-151-5p inhibitor-treated hMSCs under osteoinductive conditions. (**D**) Western blotting analysis showing the expression levels of the osteogenic genes *RUNX2, ALP* and *OCN* in vehicle- and miR-151-5p inhibitor-treated hMSCs. β-Actin was used as a protein loading control. (**E**) The number of Oil red O^+ cells in vehicle and miR-151-5p inhibitor-treated hMSCs under adipoinductive conditions. (**F**) The expression levels of adipogenic genes *PPARγ2* and *LPL* in vehicle- and miR-151-5p inhibitor-treated hMSCs under adipoinductive conditions. All experimental data were verified in at least 3 independent experiments. Error bars represent the s.d. from the mean values. *** $P < 0.005$; ** $P < 0.001$; * $P < 0.05$.