# Supplementary Materials: Wnt16 Signaling Is Required for IL-1β-Induced Matrix Metalloproteinase-13-Regulated Proliferation of Human Stem Cell-Derived Osteoblastic Cells

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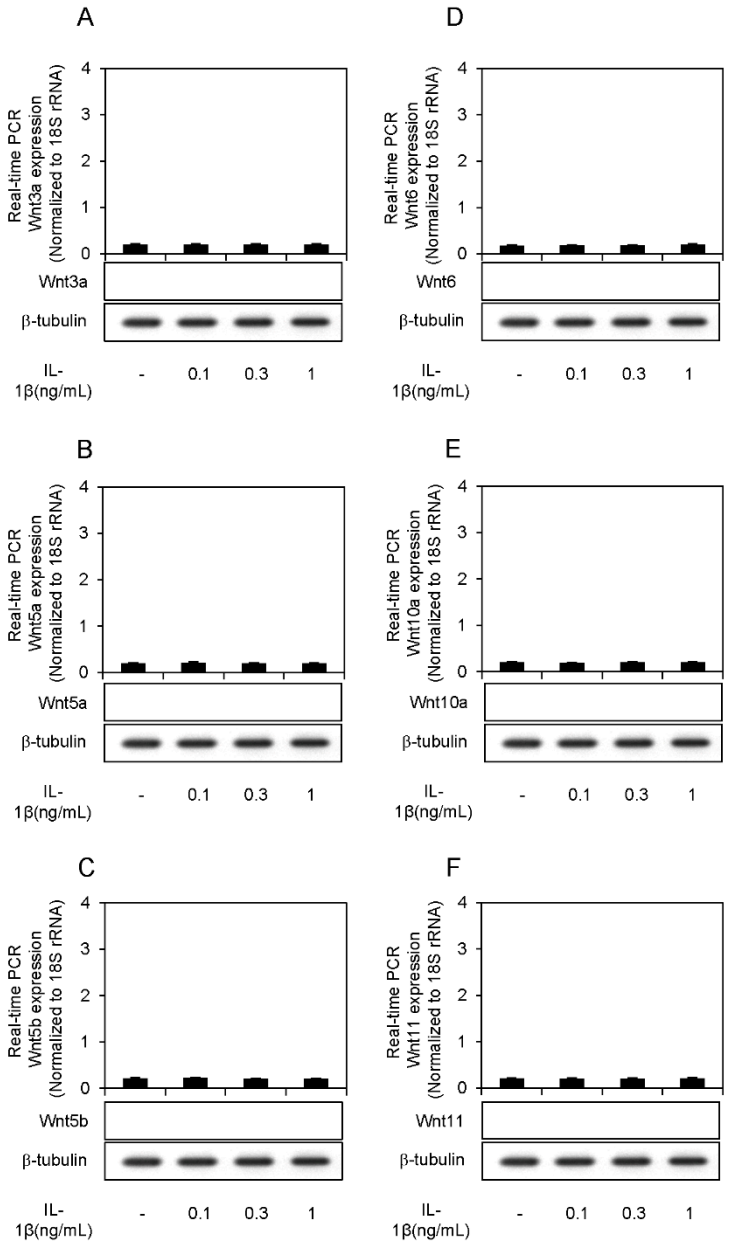


**Figure S1.** IL-1β-induced expression of Wnt3a, Wnt5a, Wnt5b, Wnt6, Wnt10a, and Wnt11 mRNAs and proteins in $\alpha 7^{+}$hSMSC-OB cells. (**A**–**F**) Cells were treated with IL-1β (0, 0.1, 0.3 and 1 ng/mL), followed by real-time qPCR analysis of each Wnt mRNA relative to the control (18S rRNA). Data are the mean ± SD of four independent experiments. Western blot analysis of each Wnt protein and β-tubulin was performed following stimulation with IL-1β (**lower** panels). Blots shown are representative of three independent experiments.

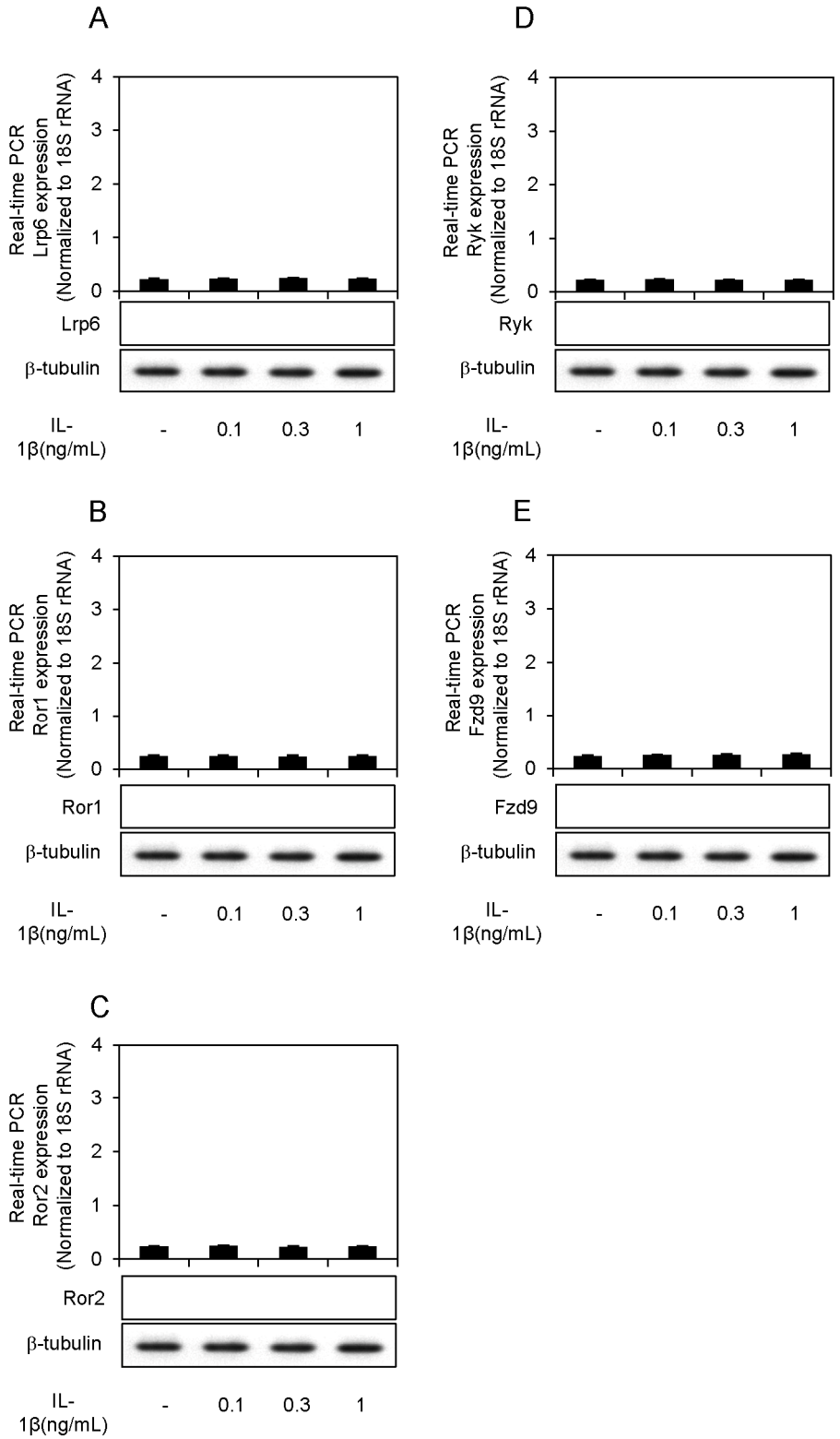


**Figure S2.** IL-1β-induced expression of Lrp6, Ror1, Ror2, Ryk, and Fzd9 mRNAs and proteins in $\alpha 7^{+}$hSMSC-OB cells (**A**–**E**) Cells were treated with IL-1β (0, 0.1, 0.3 and 1 ng/mL), followed by real-time qPCR analysis of each mRNA relative to the control (18S rRNA). Data are the mean ± SD of four independent experiments. Western blot analysis of Lrp6, Ror1, Ror2, Ryk and Fzd9 and β-tubulin protein levels was performed following stimulation with IL-1β (**lower** panels). Blots shown are representative of three independent experiments.