**SUPPLEMENTAL MATERIAL (JBC/2017/777581)**

# Wnt3a Induces the Expression of Acetylcholinesterase in Osteoblast via Runx2 Transcription Factor

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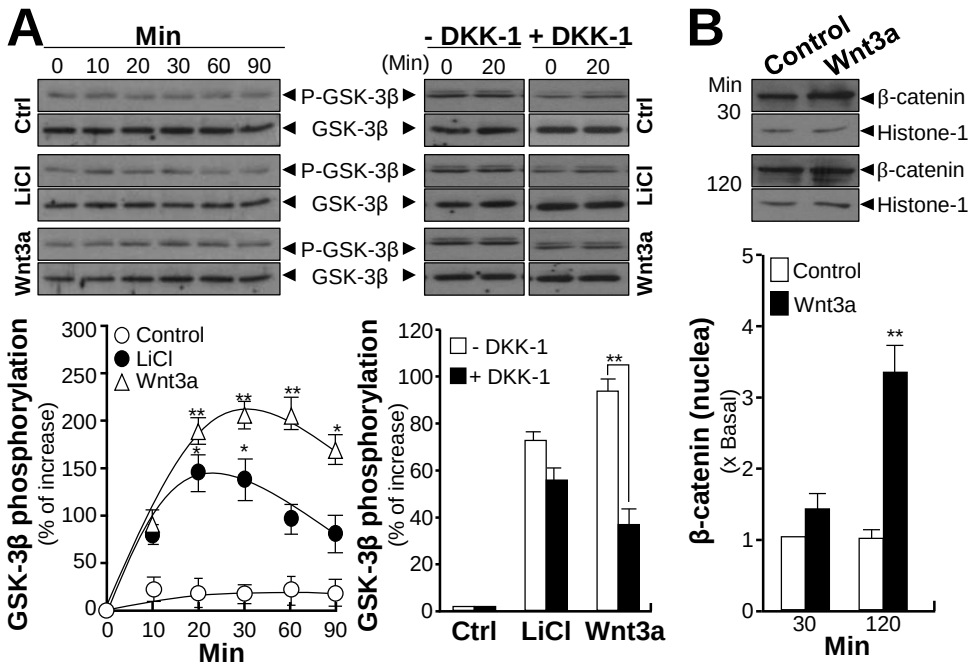


**SUPPLEMENTAL FIGURE.** Wnt3a and LiCl activate Wnt/β-catenin signaling components in cultured osteoblasts. ***(A)*** Upper left panel: cultured osteoblasts were treated with Wnt3a (200 ng/ml) and LiCl (10 mM) for 90 min. Upper right panel: Cultured osteoblasts were treated with Wnt3a (200 ng/ml) and LiCl (10 mM) for 90 min, with or without pre-treatment of DKK-1 (100 ng/ml) for 2 hours. GSK-3β or their phosphorylated forms (P-GSK-3β), were revealed (both at ~47 kDa) by specific antibodies. Lower panel: the quantitation from the blots was shown by a densitometer. ***(B)*** Cultured osteoblasts were treated with or without Wnt3a (200 ng/ml) for 30 min and 2 hours. Nuclear fractions were separated and collected for western blot analysis. The levels of β-catenin (~95 kDa) and histone-1 (a nuclear marker at ~17 kDa) were revealed by specific antibodies. The quantitation from the blots was shown by a densitometer (lower panel). Values are expressed as the fold of increase to basal reading, and are in means ± SEM, $n = 3$, *, $p < 0.05$; **, $p < 0.01$.

Xu et al., 2017

**Supplemental Figure**