



Supplementary Figure 1. Bilirubin induces cell death of SHED. **(a)** A scheme of SHED cultures for the cell proliferation and cell death assays. SHED were incubated with bilirubin (0, 10, and 50 μ M) for 3 days under serum-depleted conditions. **(b)** Cell viability assay. Results were shown as a ratio (%) to the cell viability in B0 on Day 0. **(c)** TUNEL staining assay. Results were shown as a ratio (%) of TUNEL-positive nuclei to total nuclear cells. **(d)** Flow cytometry with Annexin-V (AV) and 7AAD staining. Results were shown as a ratio (%) of AV-positive and 7AAD-positive. **a–d:** B0: group treated with 0 μ M bilirubin; B10: group treated with 10 μ M bilirubin; B50: group treated with 50 μ M bilirubin. **b–d:** $n=5$ for all groups. Statistical analysis was performed as described in the Methods. Graph bars showed the means \pm SEM. $*P < 0.05$ and $***P < 0.005$. NS, no significance. **b, c:** $\#P < 0.05$ and $###P < 0.005$ vs. B0 on Day 0. ns, no significance vs. B0 on Day 0.