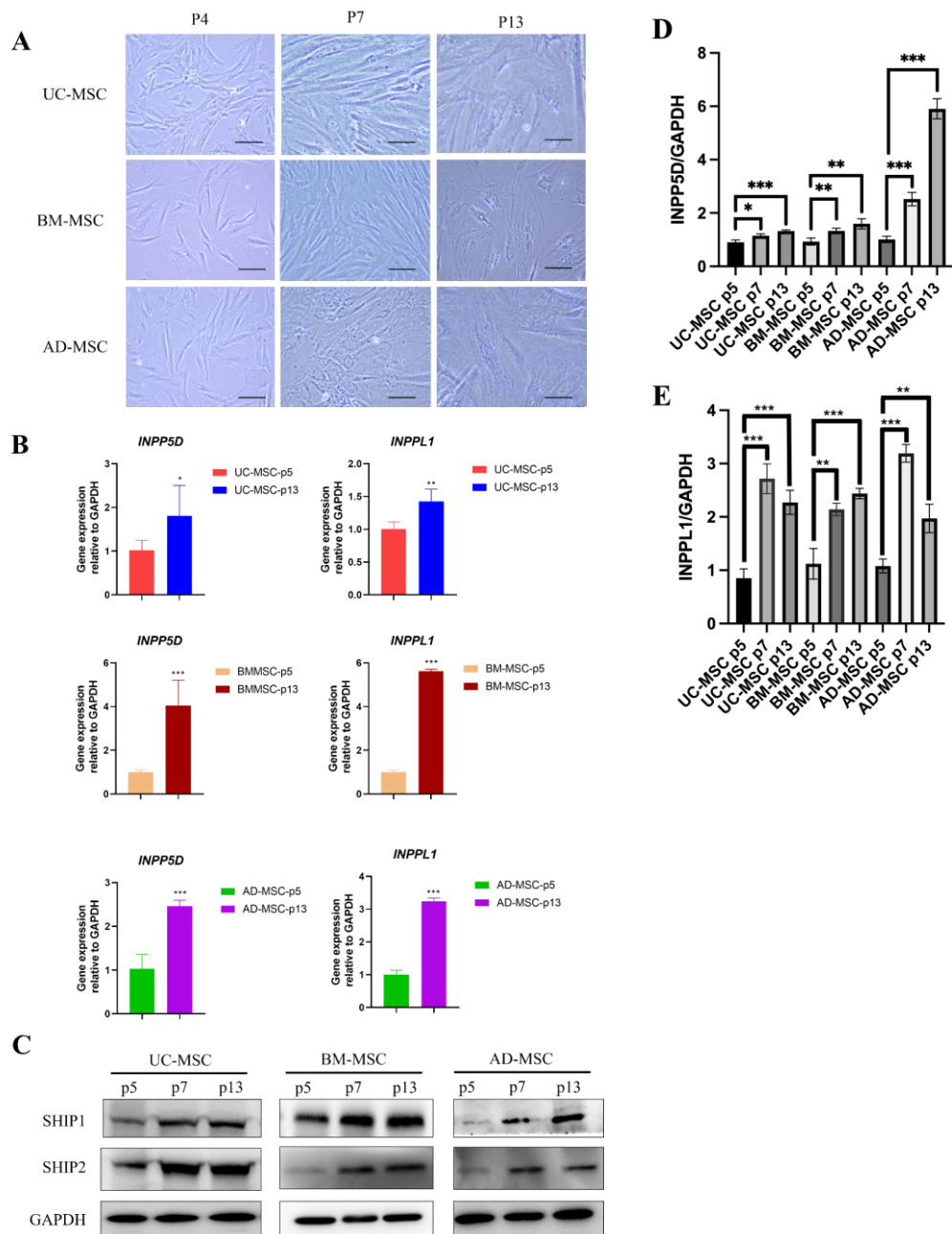




Supplementary Figure 1. Increased expression of INPP5D (SHIP1) and INPPL1 (SHIP2) during replication-induced aging. (A) Cell morphology of MSCs at different passage numbers. UC-MSC: umbilical cord derived MSC; BM-MSC: bone marrow derived MSC; AD-MSC: adipose tissue derived MSC. (B) Expression of INPP5D and INPPL1 in p5 and p13 MSCs. (C) Western blot analysis of SHIP1 and SHIP2 proteins at different passage numbers of MSCs. (D, E) Quantification of the results in C. *: $p < 0.05$; **: $p < 0.01$, ***: $p < 0.001$ (by two-sided unpaired Student's t -test).