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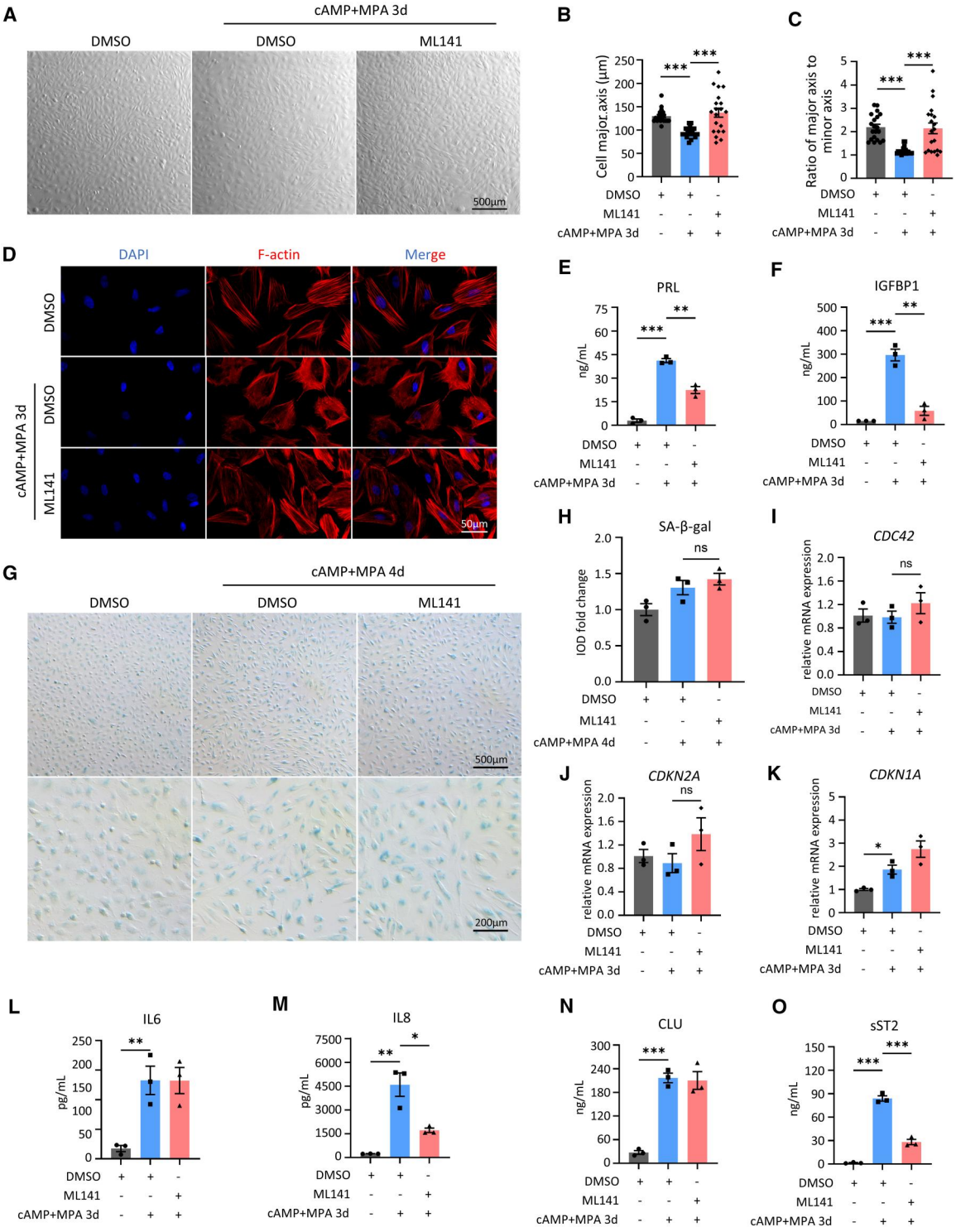
Supplementary Data



Supplementary Figure S3. CDC42 enzymatic activity inhibition led to decidualization impairment without inducing cellular senescence. (**A**–**C**) Representative bright field images of primary endometrial stromal cells (EnSCs) treated with DMSO or 10 μM ML141 following with 72 h of 8Br-cAMP+MPA treatment. Quantitative analysis of cell major axis and the ratio of cell major axis to minor axis. (**D**) Representative images of F-actin immunofluorescence staining in primary EnSCs treated with DMSO or 10 μM ML141 following with 72 h of 8Br-cAMP+MPA treatment, with continuous addition of inhibitors during decidualization. (**E** and **F**) Level of PRL and IGFBP1 secretion in primary EnSCs treated with DMSO or 10 μM ML141 following with 72 h of 8Br-cAMP+MPA treatment, with continuous addition of inhibitors during decidualization. (**G** and **H**) SA-β-gal staining of primary EnSCs treated with DMSO or 10 μM ML141 following with 96 h of 8Br-cAMP+MPA treatment, with continuous addition of inhibitors during decidualization. Fold change of integrated optical density for SA-β-gal staining. (**I**–**K**) Expression of *CDC42*, *CDKN2A*, and *CDKN1A* mRNA levels in primary EnSCs treated with DMSO or 10 μM ML141 following with 72 h of 8Br-cAMP+MPA treatment, with continuous addition of inhibitors during decidualization. Decidualization induction medium supplemented with DMSO or ML141 was replaced every day. (**L**–**O**) Level of IL6, IL8, CLU, and sST2 secretion in primary EnSCs treated with DMSO or 10 μM ML141 following with 72 h of 8Br-cAMP+MPA treatment, with continuous addition of inhibitors during decidualization. Mean±SEM. *P<0.05, **P<0.01, ***P<0.001. ns, not significant. ANOVA with Tukey's multiple comparisons test.