Supplementary figures and figure legends

Figure S1

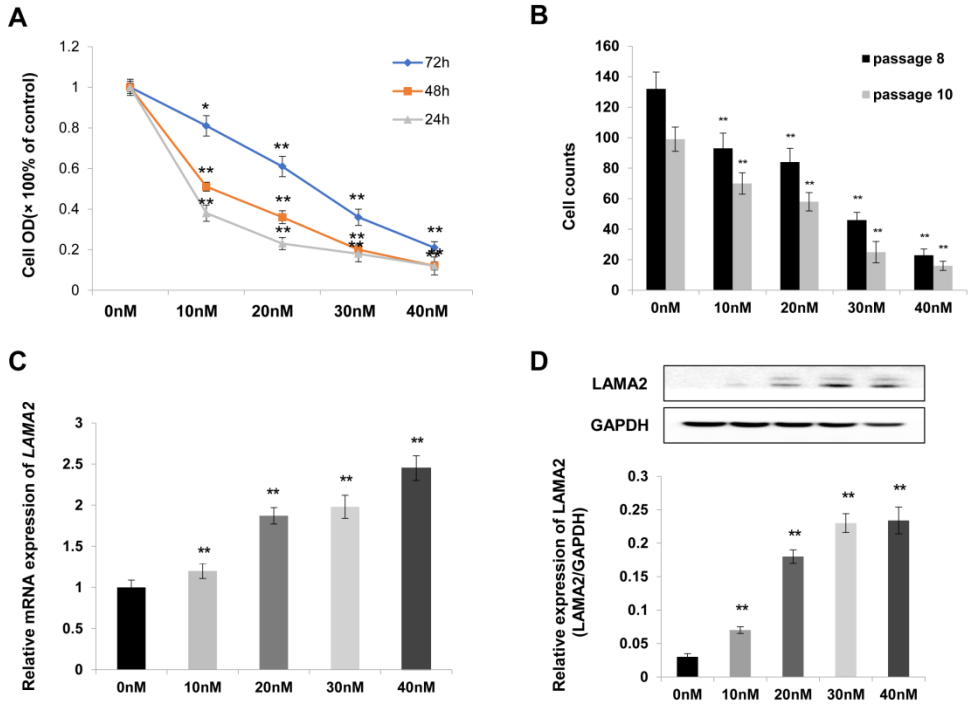

Figure S1. Demethylation of LAMA2 could affect LAMA2 expression and cell proliferation of pituitary adenomas, under the condition of using serum-free media supplemented with insulin (5 ng/ml) (SF-I medium). (A) Relative optical density (OD) of GH3 pituitary adenoma cells at 24, 48 and 72 h after treatment with 5-aza-2-deoxycytidine at the indicated concentrations. OD values are relative to those of the control (the concentration of DAC: 0 nM) and are determined using an MTT assay. (B) After 72 h of treatment, viability in two passages of GH3 cells significantly decreased with increasing concentrations of 5-aza-2-deoxycytidine (passage 8 [black] versus passage 10 [gray], $P < 0.01$). (C) RT-qPCR analysis of LAMA2 mRNA expression at 72 h after treatment with 5-aza-2-deoxycytidine at a range of concentrations. (D) Protein expression of LAMA2 and GAPDH in GH3 pituitary adenoma cells at 72 h after treatment with 5-aza-2-deoxycytidine at a range of concentrations. Quantitative analyses of western blotting results in GH3 pituitary adenoma cells. All data are presented as the mean ± SEM, *$p < 0.05$; **$p < 0.01$; RT-qPCR, real-time quantitative PCR.