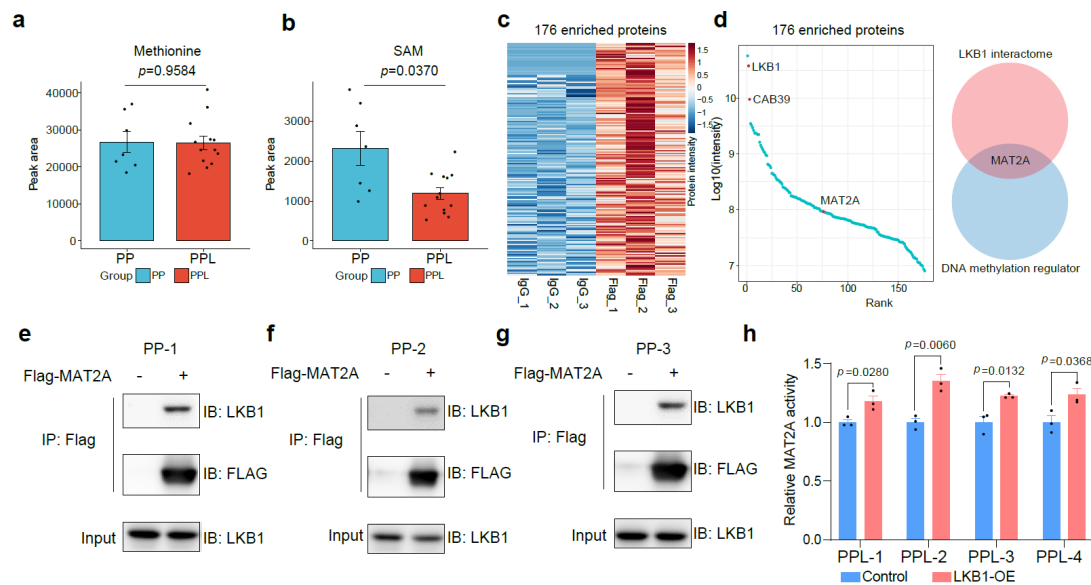




Supplementary information, Fig. S8. LKB1 loss attenuates the enzymatic activity of MAT2A, resulting in reduced SAM levels and consequent DNA hypomethylation. **a, b** Bar plot showing the levels of methionine (**a**) and SAM (**b**) in PPL and PP tumors quantified by peak area in HPLC-MS assay. **c** Heatmap showing the intensity of 176 proteins interacting with LKB1 identified by mass spectrometry. **d** Dot plot showing the 176 proteins interacting with LKB1 ranked by the protein intensity. **e-g** Co-IP demonstrating the physical interaction between LKB1 and MAT2A in PP-1 (**e**), PP -2 (**f**) and PP-3 (**g**) cancer cell lines. **h** Bar plot showing the relative MAT2A activity in multiple PPL cancer cell lines with (LKB1-OE) or without (Control) LKB1 overexpression.