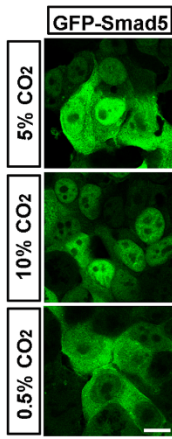
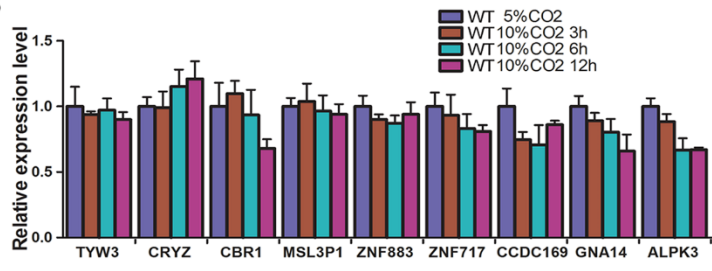
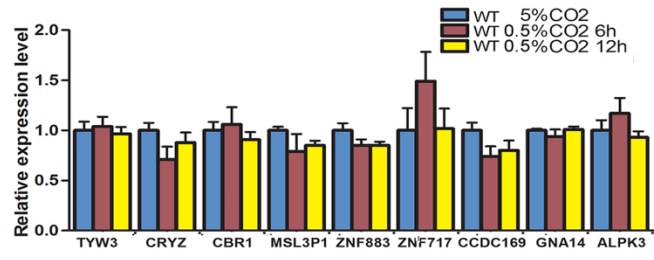


A**B****C**

Supplementary information, Figure S10. Smad5 shuttling could not regulate metabolism-related gene expression. **(A)** Long-term maintenance of extracellular pH through adjusting CO₂ levels leads to efficient accumulation of GFP-Smad5 in the nucleus (10% CO₂) or the cytoplasm (0.5% CO₂). Scale bar, 10 μm. **(B, C)** qRT-PCR analyses showing no obvious gene expression change after acute extracellular pH adjustment at 5%, 10% CO₂ and 0.5% CO₂ for 3, 6 or 12 hours. Data are presented as mean ±s.e.m of three independent experiments.