



Online supplemental figure 1. Schematic illustration of gas delivery system for *in vitro* and *in vivo* experiments. (A) A 1.5 L purpose-built, airtight, cell-culture chamber with inlet and outlet valves and a fan to ensure equal distribution of gas within the chamber which is placed in a 37°C incubator during experiments. (B) An open gas delivery system equipped with an anesthetic gas chamber. Both systems are supplied with desired concentrations of mixture gases, which is also monitored “in-line” with a gas monitor, through calibrated gas flow meters link with gas cylinders.