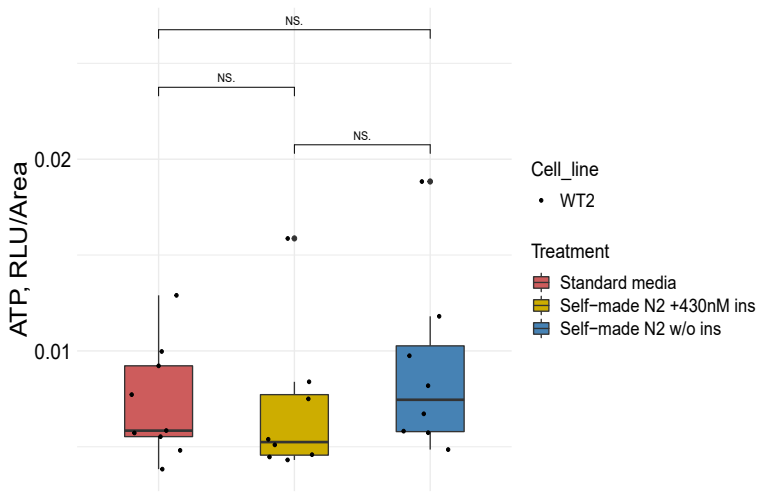
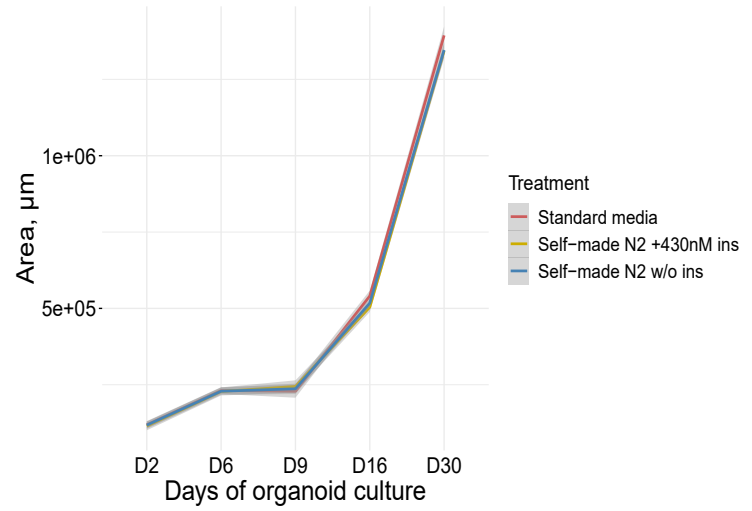


(a)



(b)



**Figure S2. Self-made N2 supplement validation in midbrain organoid culture.** Midbrain organoids cultured until day 30 in standard media (high insulin), self-made N2 media + 430nM insulin (to mimic theoretical insulin concentration in standard media), and self-made N2 media w/o insulin. (a) Intracellular ATP measurement at day 30 representing organoid viability. Statistical significance tested using Student's t-test. (b) Area measurement of midbrain organoids over the differentiation time.