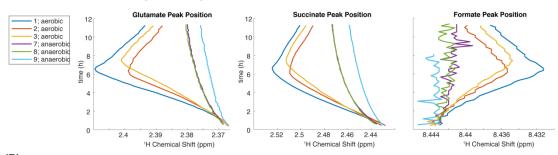
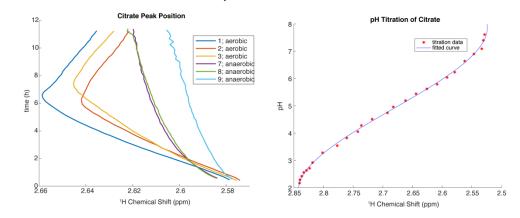
Supplementary Material

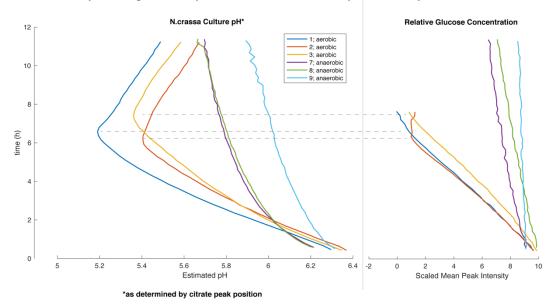


(A) Chemical Shift Changes for Organic Acids in *N. crassa* cultures









Supplementary Figure 5. Organic acid peak positions reflect glucose-dependent changes in pH over time. (A) Representative *in-vivo* peak position changes for glutamate, succinate, and formate for all samples. The formate peak position in the anaerobic samples is noisy because the peak was very low intensity. (B) Position of a representative citrate peak over time and in-house pH titration data for citrate. A 3rd-order polynomial was fit to the titration data in order to interpolate pH values at each timepoint for each sample (C). Dashed horizontal lines are used to show that glucose depletion coincided with reversal of acidification around 6-7 h in the aerobic samples.