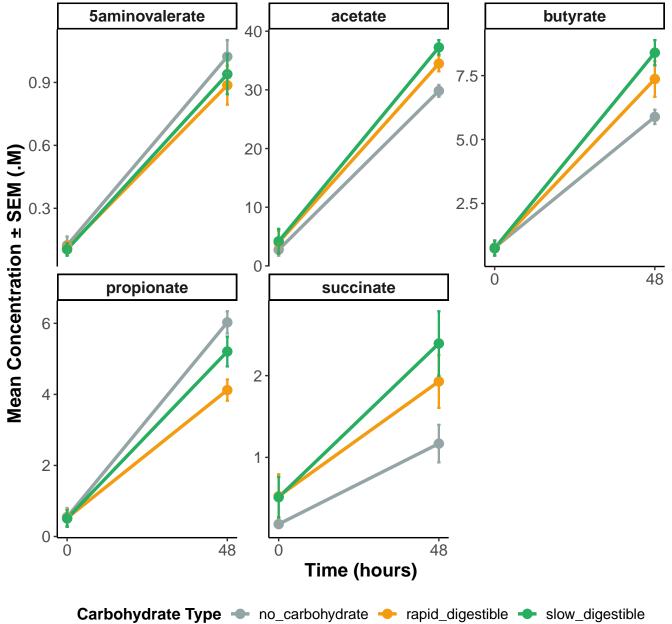
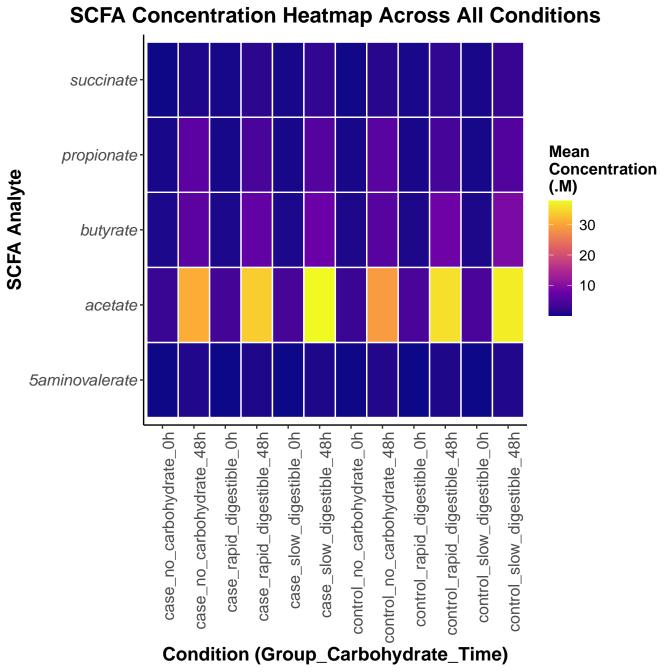
SCFA Concentrations by Group and Carbohydrate Type acetate propionate ıminovalera butyrate succinate 40 on carbohydrate 30 20 10 0 ทร ПS ทร ns ПS 50 Concentration (.M) rapid_ 40 Group 30 _digestible control 20 case 10 0 ns ทร ns ns ns slow_digestible 40 20 0 control control cas[®] case Group

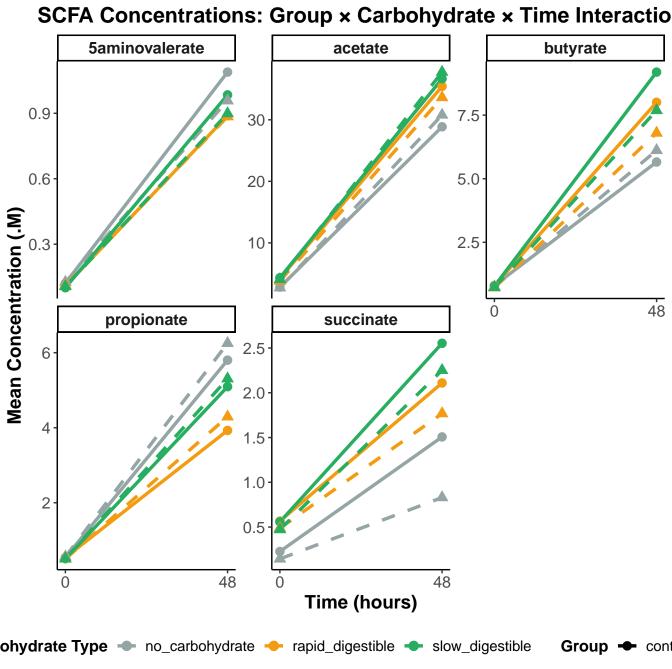
SCFA Concentrations by Carbohydrate Type and Time Point 5aminovalerate butyrate propionate succinate acetate ns ns ns ns ns ns ns ns 40 Concentration (.M) ns ns ns ns ns 50-30 48h 20 10 0 no caronydrate M. Just Co. Callo Hydrate no catodhydrate rapid digestible Slow digestible rapid digestible slow digestible Slow digestible no carbohydrate slow didestible regid digestible. rapid digestible rapid digestible o catorydiate **Carbohydrate Type**

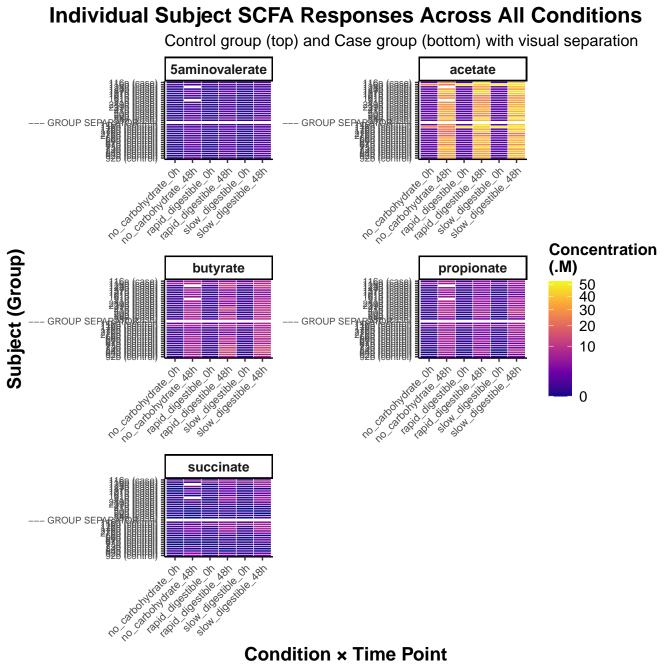
Carbohydrate Type 🛱 no_carbohydrate 🛱 rapid_digestible 🛱 slow_digestible

SCFA Concentrations Over Time by Carbohydrate Type



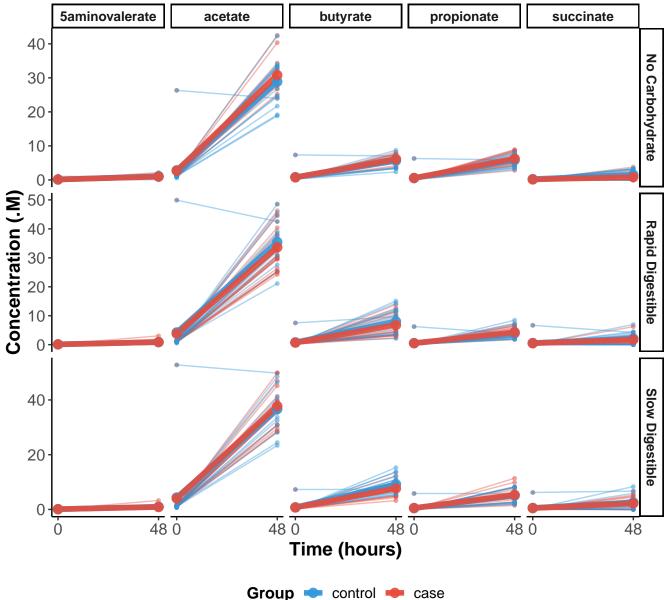




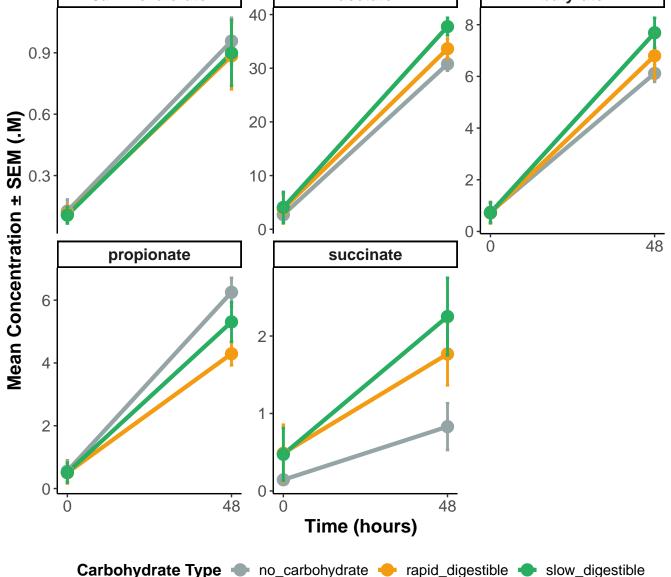


Individual Subject SCFA Trajectories by Carbohydrate Source

Thin lines: individual subjects, Thick lines: group means \pm SEM

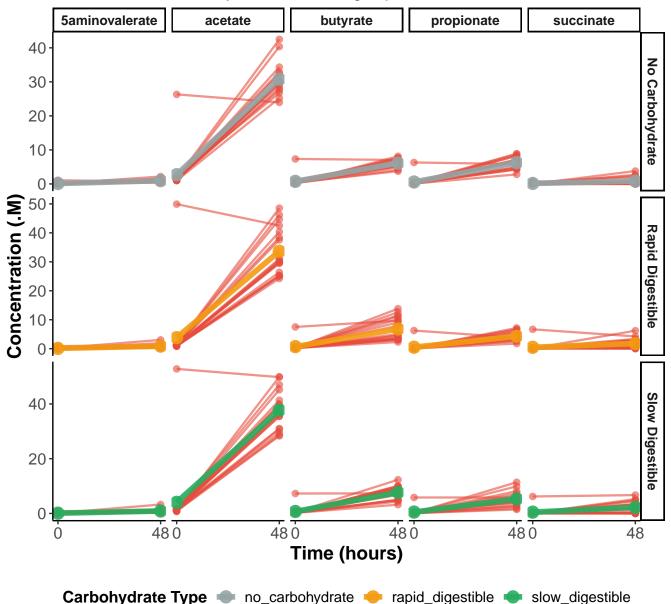


Case Group Only: SCFA Temporal Changes by Carbohydrate Ty Mean ± SEM concentrations from 0h to 48h 5aminovalerate butyrate acetate 40 8 0.9 30 6 0.6 20 4 10 2 48 succinate propionate 6 2



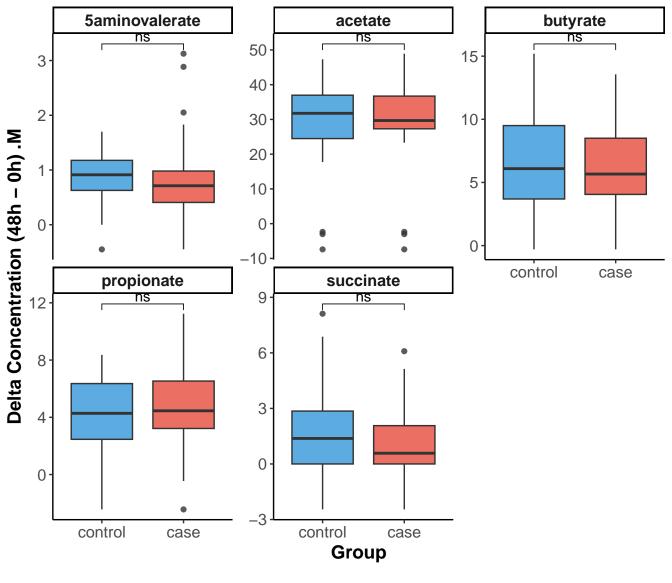
Case Group Individual Subject SCFA Trajectories

Thin lines: individual subjects, Thick lines: group means



SCFA Response Magnitude (.48h-0h) by Group

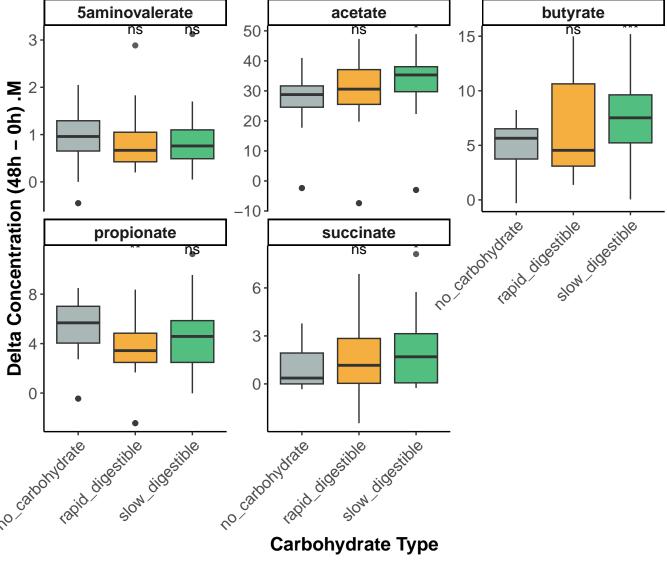
Comparing metabolic response between control and case groups



Group = control =

SCFA Response Magnitude (.48h–0h) by Carbohydrate Type

Comparing metabolic response magnitude across carbohydrate interventions



Carbohydrate Type

Carbohydrate Type in no_carbohydrate rapid_digestible slow digestible

SCFA Response Magnitude: Group × Carbohydrate Interaction Mean ± SEM change from baseline (48h – 0h) 5aminovalerate butyrate acetate Mean Delta Concentration ± SEM (.M) 30 7.5 20 5.0 10 2.5 0.0 0 0.0 To carodhydrate digestible slow digestible propionate succinate 2 1 orthographic stone digestible stone digestible 0 no carbohydrate no caronydrate rapid digestible **Carbohydrate Type** Group control case