Descending Mucus hexose macs 30 2 20 1 10 0 0 succinate acetate 10.0 100 7.5 75 5.0 50 Concentration (mmol/L) 25 2.5 0.0 propionate lactate 10.0 7.5 5.0 0.8 0.6 2.5 0.0 ethanol formate 400 40 300 30 200 20 100 10 0 h2 butyrate 8 60 6 40 20 2 Intervention Initial Baseline Baseline Initial Intervention Time (h)