Cecum Bile Acid Comparisons C. difficile Toxin Histopathology Cecum TcdA TcdB 6 p-value: 1.53e-12 1000 r2: 0.345 100 C. difficile Inhibitor C. difficile Inhibitor p-value: 9.73e-09 Toxin Concentration (ng/uL) (log10) r2: 0.234 r2: 0.269 p-value: 0.000311 r2: 0.304 **Mouse Diet** Score Chow HFt / HFb C. difficile Promoter C. difficile Promoter HFt / LFb LFt / HFb 10 -LFt / LFb p-value: 0.00126 r2: 0.501 100 C. difficile C. difficile Promoter:Inhibitor Promoter:Inhibitor 10 10000 1000 10000 1000 10000 1000 100 100 10

Bile Acid Concentration (pmol/mg) (log10)