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

Bile Acid Concentration (log10)

1000 10000

100

1000 10000

100

10

1000 10000