



Supplemental Figure S1: Generalized pathogen colonization model in the GI tract. Pathogen colonization typically occurs in three distinct steps: (i) initial migration towards the epithelial cell surface, (ii) navigation of the commensal (non-pathogenic) bacterial layer in the lumen, and (iii) attachment and infection of intestinal epithelial cells. The navigation and colonization of the commensal bacterial layer is a key step in the infection process as it involves the pathogen being in close proximity to the molecular signals present in the commensal layer.