

Dietary supplementation with soluble plantain non-starch polysaccharides inhibits intestinal invasion of *Salmonella Typhimurium* in the chicken. Bryony N. Parsons, Paul Wigley, Hannah L. Simpson, Jonathan M. Williams, Suzie Humphrey, Anne-Marie Salisbury, Alastair J. M. Watson, Stephen C. Fry, David O'Brien, Carol L Roberts, Niamh O'Kennedy, Åsa V. Keita, Johan D. Söderholm, Jonathan M. Rhodes and Barry J. Campbell.

Supporting Information File S1:

Figure S1: Soluble plantain NSP inhibits adhesion of *S. Typhimurium* strains LT2 and 4/74 to the human intestinal Caco2 cell-line *in vitro*. Pre-treatment (30 min) with soluble plantain NSP dose-dependently blocked (A) adhesion and (B) invasion of *S. Typhimurium* 4/74 to human Caco2 cells, at similar levels to that observed for *S. Typhimurium* LT2 (N=3 experiments, n=4 replicates; * $P<0.05$, ** $P<0.01$, *** $P<0.001$, Kruskal-Wallis). Data (mean $\pm$ SEM) expressed relative to adherence (or invasion) of vehicle-treated control (100%).

