





Figure S2. Spearman's correlation between the key enzymes of the chicken cecal microbial functional network and cecal SCFA concentrations. Key enzymes identified in the microbial functional network of the microbiome with elevated *Bacteroides* (i.e. acetylxylin esterase, arylsulfatase, β -L-arabinofuranosidase and licheninase) were significantly associated with the chicken cecal SCFA concentrations at day 7.