

FIG S1 Densities of *Campylobacter jejuni* cells within intestinal digesta in the duodenum (Duo), proximal jejunum (Pje), mid jejunum (Mje), distal jejunum (Dje), ileum (Ile), cecum (Cec), spiral colon (SpC), descending colon (DCo), and rectum (Rec) of cattle administered chlortetracycline and sulfamethazine (AS700) or no antibiotics during their time in a confined feeding operation. Vertical lines with histogram bars represent standard errors of the mean (n=5). ND is not determined.

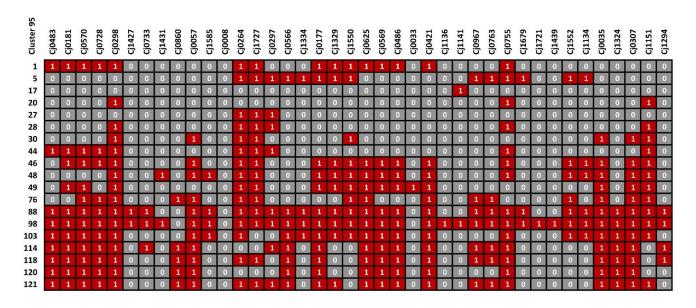


FIG S2 Comparative genomic fingerprint subtype cluster profiles (95% level of resolution) of representative *Campylobacter jejuni* isolates recovered from an individual animal (i.e. Steer 470) that was not administered AS700 and housed in Pen 1 (i.e. Control treatment).

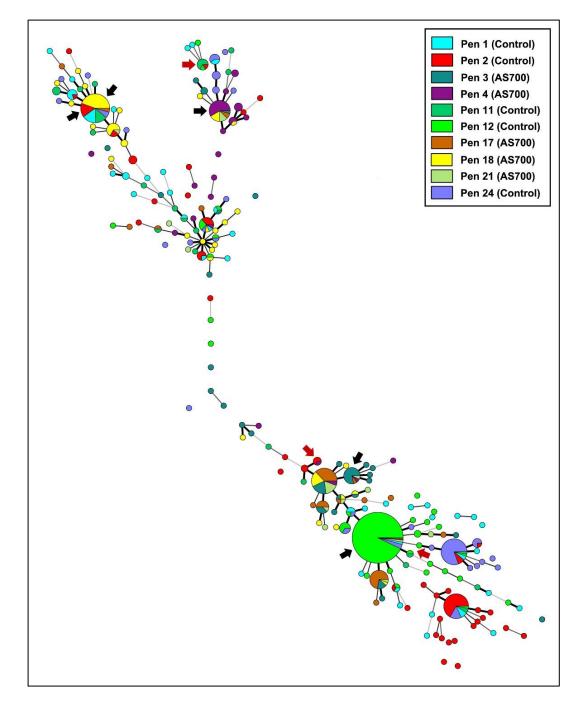


FIG S3 *Campylobacter jejuni* Comparative Genomic Fingerprinting (CGF) subtypes recovered from beef cattle throughout the production continuum by pen that were administered chlortetracycline and sulfamethazine (i.e. AS700 treatment) or no antibiotics (i.e. control treatment). The minimum spanning tree was generated in Bionumerics (version 6.6, Applied Maths), and isolate data from the three animals per pen were combined. Furthermore, data were combined across sample type. The size of the circle is proportional to the number of isolates within each CGF subtype (100% level of resolution), the thickness of lines connecting subtypes represent mismatched loci (i.e. one to three loci), and subtypes with no line represent \geq four mismatched loci between respective subtypes. Black arrows show examples of cases where subtypes recovered from hides were linked to the digesta/feces from the same animal, and red arrows show examples of cases where subtypes isolated from cattle housed in adjacent pens (i.e. pens 1-4, pens 11-12, pens 17-18) did not disproportionately cluster together indicating that the transmission of subtypes amongst animals housed in adjacent pens was minimal.