This zip. file contains 5 files (xlsx. and txt.) providing the underlying dataset to accompany the publication entitled " Molecular and In Silico typing of the lipooligosaccharide biosynthesis gene cluster in *Campylobacter jejuni* and *Campylobacter coli*". The dataset contains lipooligosaccharide (LOS) genotyping data from two *Campylobacter* species*.*

**Genbank *C. jejuni* genotyping criscross data for Fig 1.txt**

Txt. file used to construct Circos plot showing the distribution of *C. jejuni* LOS locus classes (A-W), subclasses (A1, A2, B1, B2) and LOS groups (1-4) in the online *C. jejuni* sequence database.

The frequency of *C. jejuni* isolates classified for each particular LOS class/group is provided as a numeric (n out of 703). Column 2 contains the identification of different LOS classes. Columns 3-6 contain numeric data for LOS groups 1-4 with the total number of *C. jejuni* strains sequences.

**clinical *C. jejuni* genotyping criscross data for Fig 2.txt**

Txt. file used to construct Circos plot showing the distribution of *C. jejuni* LOS locus classes (A-W), subclasses (A1, A2, B1, B2) and LOS groups (1-4) from clinical isolates.

The frequency of *C. jejuni* isolates classified for each particular LOS class/group is provided as a numeric (n out of 50). Column 2 contains the identification of different LOS classes. Columns 3-6 contain numeric data for LOS groups 1-4 with the total number of *C. jejuni* strains sequences.

**compared genotyping data for Fig 3.xlsx**

xlsx. file containing raw data used to compare *C. jejuni* LOS biosynthesis locus class and group frequencies found in the collections of GenBank *C. jejuni* sequences (n=703) and *C. jejuni* clinical, typed strains (n=50). Groups 1-4 represent LOS groups. Letters A-W (and subgrouping) represent LOS locus classes and numbers represent % of Campylobacter isolates.

**C.coli genotyping data for Fig 5.xlsx**

xlsx. file containing summary data of the distribution of *C. Coli* LOS locus classes within the online *C. Coli* sequences GenBank database. Column 1 has roman numerals corresponding to specific LOS classes. Column two provides the number of isolates belonging to each LOS class and column 3 expresses this data as a percentage of all LOS classes.

**sources data file for Fig 7.xlsx**

xlsx. file containing frequency data of *C. jejuni* and *C. Coli* LOS locus classes in different Campylobacter sources (Monkey, Goat, Milk, Crow, Pigeon, Cow, Turkey, Chicken, human and the Environment where Environment represents animal farm soil and animal farm water as Campylobacter sources). Column A represents LOS classes from *C. coli* (I-VIII) or *C. jejuni* (A-W). Remaining columns either contain absolute sequence numbers or derived percentages.