# Supplementary information

Table S1. Genome accession numbers and sequence types of *Campylobacter jejuni* isolates sequenced in this study. Sequence types novel to the PubMLST database are indicated in boldface.

Figure S1. Phylogenomic tree based on the core genome alignment (942 core genes) of 1261 *C. jejuni* genomes listed in Supplementary Dataset S1.

Figure S2. Neighbor-joining tree representing the alignment of nucleotide sequences of the beta-lactamase (*bla-OXA*) gene. Sequence accession number, *Campylobacter* sp., and strain number are indicated for each sequence and with allele number when available. Strains from this study are indicated in boldface and with CB for western jackdaw, SO or SS for mallard duck, and FA for pheasant in the strain name.

Figure S3. goeBURST full Minimum spanning tree (MST) of MLST allelic profiles of *C. jejuni* STs detected from different hosts (2, 5, 7, 16, 18, 19, 29). Mallard duck (brown) and barnacle geese (purple) STs are mostly located in their own clade. STs from western jackdaw also form a separate clade. The most common clonal complexes (CCs) associated with domestic animals and human patients are indicated. Also, the most frequent STs among western jackdaws (ST-1282 and ST-6460), mallard ducks (ST-2314), and pheasants (ST-19) are indicated with arrows.

# References

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| BioSample | Accession | Organism | Strain | Source | Sequence type (ST) | Clonal complex (CC) |
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| SAMN08398760 | PRCR00000000 | *Campylobacter jejuni* | CB288 | *Corvus monedula* | 1282 | UA |
| SAMN08398761 | PRCQ00000000 | *Campylobacter jejuni* | CB289 | *Corvus monedula* | **7804** | UA |
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| SAMN08398774 | PRCD00000000 | *Campylobacter jejuni* | CB305 | *Corvus monedula* | **7814** | UA |
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| SAMN08398776 | PRCB00000000 | *Campylobacter jejuni* | CB307 | *Corvus monedula* | **7813** | UA |
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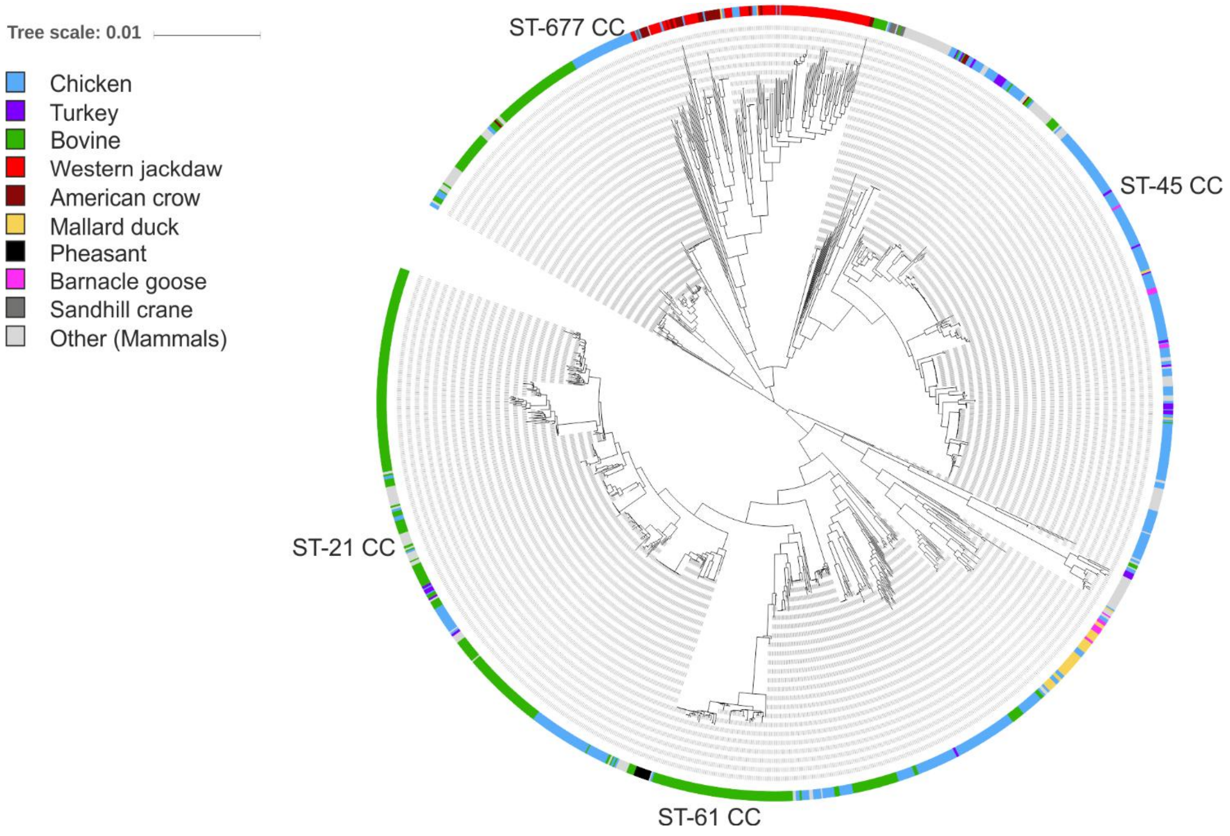
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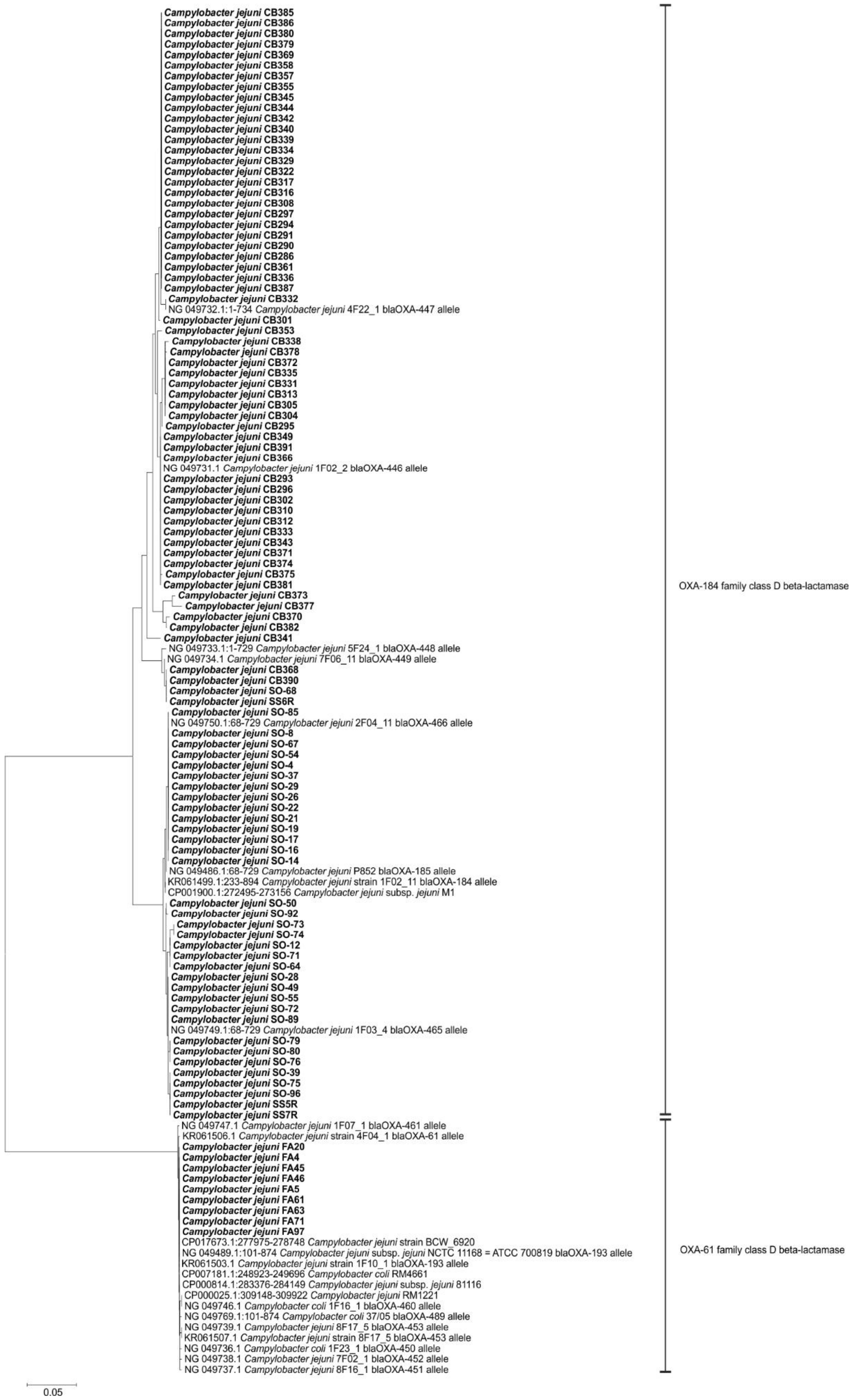
ST-21 CC
ST-61 CC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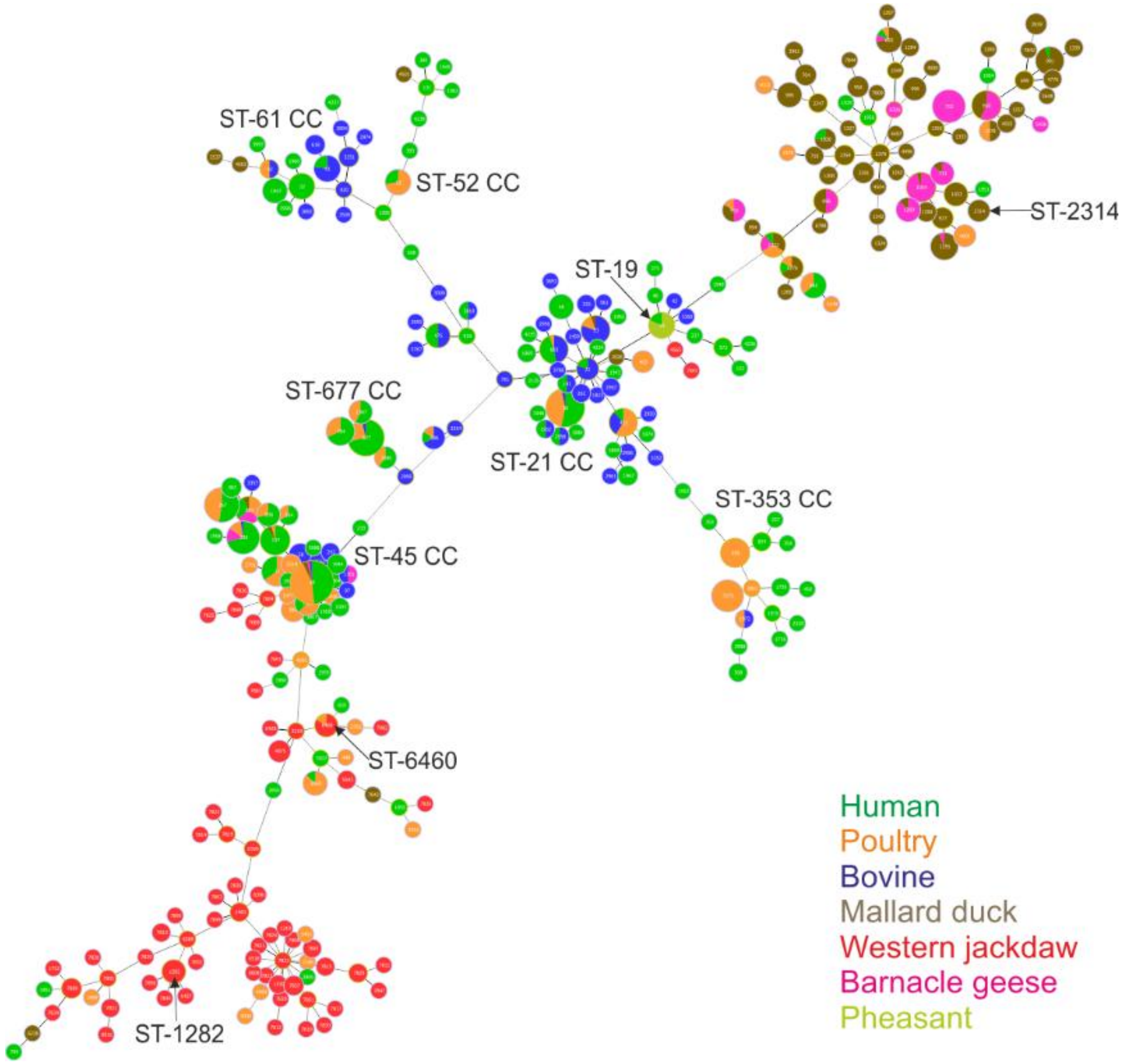
Campylobacter jejuni FA97
CP017673.1:277975-278748 Campylobacter jejuni strain BCW_6920
NG 049489.1:101-874 Campylobacter jejuni subsp. jejuni NCTC 11168 = ATCC 700819 blaOXA-193 allele
KR061503.1 Campylobacter jejuni strain 1F10_1 blaOXA-193 allele
CP007181.1:248923-249696 Campylobacter coli RM4661
CP000814.1:283376-284149 Campylobacter jejuni subsp. jejuni 81116
CP000025.1:309148-309922 Campylobacter jejuni RM1221
NG 049746.1 Campylobacter coli 1F16_1 blaOXA-460 allele
NG 049769.1:101-874 Campylobacter coli 37/05 blaOXA-489 allele
NG 049739.1 Campylobacter jejuni 8F17_5 blaOXA-453 allele
KR061507.1 Campylobacter jejuni strain 8F17_5 blaOXA-453 allele
NG 049736.1 Campylobacter coli 1F23_1 blaOXA-450 allele
NG 049738.1 Campylobacter jejuni 7F02_1 blaOXA-452 allele
NG 049737.1 Campylobacter jejuni 8F16_1 blaOXA-451 allele
OXA-184 family class D beta-lactamase
OXA-61 family class D beta-lactamase
0.05


ST-61 CC
ST-52 CC
ST-2314
ST-19
ST-677 CC
ST-21 CC
ST-353 CC
ST-45 CC
ST-6460
ST-1282
Human
Poultry
Bovine
Mallard duck
Western jackdaw
Barnacle geese
Pheasant