

Selected	index	ID	Cjc_cgc_10	Cjc_cgc_100	Cjc_cgc_200	Cjc_cgc_25	
		1	6310	239	66	23	217
		2	22255	1126	24	23	885
		3	30569	2087	858	398	1543
		4	32893	20	16	23	19
		5	37570	27	23	22	26
		6	39737	8589	858	398	2330
		7	40513	27	23	22	26
		8	43339	27	23	22	26
		9	48402	5268	66	23	3439
		10	51553				
		11	56445	27	23	22	26
		12	56604	20	16	23	19
		13	57531	11727	24	23	3916
		14	57783	578	133	23	185
		15	60600				
		16	61660	6885	658	457	4518
		17	62031	7719	24	23	3916
		18	62368	7034	24	23	4643
		19	62797	20	16	23	19
		20	69767	7552	120	100	2127
		21	69781	7559	120	100	2127
		22	70110	6509	66	23	4264
		23	70943	8001	2463	1504	5236
		24	76581	7554	120	100	2127
		25	76902	27	23	22	26
		26	77678	8711	24	23	5667
		27	79837	20	16	23	19
		28	80734	9340	24	23	3916
		29	83558	10516	24	23	3916
		30	84435	5304	24	23	305
		31	92074	9943	24	23	6497
		32	92223	13017	24	23	8355
		33	92532	13079	24	23	8397
		34	92583	13096	24	23	3916
		35	92597	13101	3161	1785	7703
		36	92750	5304	24	23	305
		37	92951	13186	24	23	3916
		38	92959	13059	24	23	3916
		39	93123	13209	24	23	3916
		40	93493	9487	34	23	6188

41	93623	13315	24	23	3916
42	93697	13330	24	23	7549
43	93736	12757	3312	23	8199
44	93773	13348	24	23	8551
45	98915	9397	24	23	3916
46	98987	5304	24	23	305
47	99148	9487	34	23	6188
48	99443	9673	24	23	6327
49	103252	13017	24	23	8355
50	104567	9787	34	23	6398
51	104732	9889	24	23	6465
52	106388	16571	24	23	10510
53	110094	17094	24	23	305
54	110642				
55	111135	7985	24	23	5226
56	111508	17311	4223	23	11045
57	111713	17354	24	23	11074
58	111728	17354	24	23	11074
59	114671	342	24	23	305
60	116314	29860	24	23	19695
61	116315	29861	24	23	19696
62	116316	29862	7865	23	19697
63	116317	29863	7866	23	19698

Cjc_cgc_5	Cjc_cgc_50	comments	continent	country	isolate	penner
249	185		Europe	UK [England]	OXC453	
1248	26		Europe	UK [England]	OXC7071	
2425	1146		Europe	UK [England]	OXC8885	
777	18		Europe	UK [England]	OXC9837	
27	25	Grey seal pup	Europe	UK [Scotland]	Seal183	
3906	1674	iCaMPS3	Europe	UK [Scotland]	B0050	
27	25	iCaMPS3	Europe	UK [Scotland]	C0788	
27	25	Scottish_FSA	Europe	UK [Scotland]	C0261	
6437	80	iCaMPS-4	Europe	UK [Scotland]	ARI4066	
		meat	Europe	Spain	11_S10	
27	25	iCaMPS-4	Europe	UK [Scotland]	ARI4473	
5478	18	iCaMPS-4	Europe	UK [Scotland]	C1585	
7410	2754	crow	North America	USA	BCW_6872	
622	162		Europe	UK	chick50	
			North America	Canada	RM3412	
8492	3169	Lamb/Sheep	Europe	UK	FDI295	
8598	2754	Animal-Cattle	North America	USA	FSIS1606748	
8654	26		Europe	France	AC0745	
777	18		Europe	UK [England]	NWC1796	
9366	148		Oceania	New Zealand	16CC0850	
9375	148		Oceania	New Zealand	16CC0947	
8024	80		Europe	UK	FDI452	
9921	3613		Europe	Finland	Po_1	
10374	148		Europe	UK [England]	NWC2398	
27	25		Europe	UK	FDI580	
10867	3864		Europe	UK	PHEHIST096	
777	18		Europe	UK [England]	RL16000343	
11639	2754	rMLST indicat	North America	USA	PS00309	
13024	2754		North America	USA	2016D-0258	
6480	26		North America	USA	2016D-0064	
12327	4372	USDA-FSIS; S	North America	USA	FSIS1701236	
16220	5421	USDA-FSIS; S	North America	USA	FSIS1710996	
16293	4066	USDA-FSIS; S	North America	USA	FSIS1607853	
16314	2754	USDA-FSIS; S	North America	USA	FSIS1702913	
16319	5049	USDA-FSIS; S	North America	USA	FSIS21820901	
6480	26	USDA-FSIS; S	North America	USA	FSIS1609374	
16422	2754	USDA-FSIS; S	North America	USA	FSIS1709833	
16269	2754	USDA-FSIS; S	North America	USA	FSIS1609357	
16454	2754	USDA-FSIS; S	North America	USA	FSIS1608758	
11803	4188	USDA-FSIS; S	North America	USA	FSIS21720686	

16584	2754	USDA-FSIS; S	North Americ	USA	FSIS1710700	
16602	2685	USDA-FSIS; S	North Americ	USA	FSIS1703025	
15893	5329	USDA-FSIS; S	North Americ	USA	FSIS11705500	
16622	4202	USDA-FSIS; S	North Americ	USA	FSIS21720655	
15000	2754	USDA-FSIS; S	North Americ	USA	FSIS11812592	
6480	26	USDA-FSIS; S	North Americ	USA	FSIS11812063	
11803	4188	USDA-FSIS; S	North Americ	USA	FSIS11811270	
17865	4272	USDA-FSIS; S	North Americ	USA	FSIS1607146	
16220	5421	USDA-FSIS; S	North Americ	USA	FSIS1701497	
12149	4188	USDA-FSIS; S	North Americ	USA	FSIS11918239	
12262	2754	USDA-FSIS; S	North Americ	USA	FSIS11917669	
20787	6667		North Americ	Canada	RM3405	
21416	26		Europe	Luxembourg	LNS9143194	
			Asia	Japan	1753	
10420	26		Europe	Portugal	Cj-4207	
21681	7034		Asia	South Korea	CS41	
21731	7057		North Americ	Canada	R1S3-12	
21731	7057		North Americ	Canada	R1S3-W2A	
27885	26	rMLST=Exclud	Europe	France	bigsid_8896	
37115	12956		Europe	Italy	RM5146	HS:8
37116	26		Europe	Italy	RM5148	HS:8
37117	12957		Europe	Italy	RM5149	HS:1
37118	12958		Europe	Italy	RM5156	HS:1

region	source	town or city	year
Oxfordshire	human stool		2004
Oxfordshire	human stool		2012
Oxfordshire	human stool		2014
Oxfordshire	human stool		2015
	other animal		2011
	cattle	Aberdeen	2013
	turkey	Aberdeen	2013
	chicken	Aberdeen	2011
	human stool	Aberdeen	2015
	chicken	Madrid	2010
	human stool	Aberdeen	2016
	chicken	Aberdeen	2016
	wild bird		
	chicken		2009
	human unspecified		1980
	lamb offal or meat		2017
PA	cattle		2016
	chicken		
Newcastle/N	human stool		2017
Hawke's Bay	human stool		2016
Hawke's Bay	human stool		2016
	beef offal or meat		2018
	human stool		2002
Newcastle/N	human stool		2018
	chicken offal or meat		2018
	human stool		1997
	chicken offal or meat		2016
PA	human unspecified		2018
WA	chicken		2017
IL	chicken offal or meat		2017
WI	chicken offal or meat		2016
TX	chicken offal or meat		2017
SC	chicken offal or meat		2017
GA	chicken offal or meat		2016
AL	chicken offal or meat		2016
FL	chicken		2016
GA	chicken		2016
GA	chicken offal or meat		2017

FL	chicken	2017
IN	chicken offal or meat	2017
LA	chicken	2017
AL	chicken offal or meat	2017
KS	cattle	2018
DE	chicken	2018
SC	chicken	2018
NE	cattle	2016
MD	cattle	2017
KS	pig	2019
MO	pig	2019
	human stool	2021
	chicken offal or meat	2020
	human stool	2021
	chicken	2017
British Colum	broiler environment	2020
British Colum	chicken offal or meat	2020
	human stool	2016
	turkey	
	turkey	
	chicken	
	human unspecified	

Table S5. *Campylobacter jejuni* ST-50 strains from North America and Europe from PubMLST to create Figure 2. Neighbor-joining dendrogram.

PubMLST ID	strain	continent	country	region	source
6310	OXC453	Europe	UK	Oxfordshire	human
22255	OXC7071	Europe	UK	Oxfordshire	human
30569	OXC8885	Europe	UK	Oxfordshire	human
32893	OXC9837	Europe	UK	Oxfordshire	human
37570	Seal183	Europe	UK		seal
39737	B0050	Europe	UK		cattle
40513	C0788	Europe	UK		turkey
43339	C0261	Europe	UK		chicken
48402	ARI4066	Europe	UK		human
51553	11_S10	Europe	Spain		chicken
56445	ARI4473	Europe	UK		human
56604	C1585	Europe	UK		chicken
57531	BCW_6872	North America	USA	CA	wild bird
57783	chick50	Europe	UK		chicken
60600	RM3412	North America	Canada		human
61660	FDI295	Europe	UK		lamb
62031	FSIS1606748	North America	USA	PA	cattle
62368	AC0745	Europe	France		chicken
62797	NWC1796	Europe	UK	Newcastle/North Tyneside	human
69767	16CC0850	Oceania	NZ	Hawke's Bay	human
69781	16CC0947	Oceania	NZ	Hawke's Bay	human
70110	FDI452	Europe	UK		beef
70943	Po_1	Europe	Finland		human
76581	NWC2398	Europe	UK	Newcastle/North Tyneside	human
76902	FDI580	Europe	UK		chicken
77678	PHEHIST096	Europe	UK		human
79837	RL16000343	Europe	UK		chicken
80734	PS00309	North America	USA	PA	human
83558	2016D-0258	North America	USA		human
84435	2016D-0064	North America	USA		human
92074	FSIS1701236	North America	USA	WA	chicken
92223	FSIS1710996	North America	USA	IL	chicken
92532	FSIS1607853	North America	USA	WI	chicken
92583	FSIS1702913	North America	USA	TX	chicken
92597	FSIS21820901	North America	USA	SC	chicken
92750	FSIS1609374	North America	USA	GA	chicken
92951	FSIS1709833	North America	USA	AL	chicken
92959	FSIS1609357	North America	USA	FL	chicken
93123	FSIS1608758	North America	USA	GA	chicken

93493	FSIS21720686	North America	USA	GA	chicken
93623	FSIS1710700	North America	USA	FL	chicken
93697	FSIS1703025	North America	USA	IN	chicken
93736	FSIS11705500	North America	USA	LA	chicken
93773	FSIS21720655	North America	USA	AL	chicken
98915	FSIS11812592	North America	USA	KS	cattle
98987	FSIS11812063	North America	USA	DE	chicken
99148	FSIS11811270	North America	USA	SC	chicken
99443	FSIS1607146	North America	USA	NE	cattle
103252	FSIS1701497	North America	USA	MD	cattle
104567	FSIS11918239	North America	USA	KS	pig
104732	FSIS11917669	North America	USA	MO	pig
106388	RM3405	North America	Canada		human
110094	LNS9143194	Europe	Luxembrg.		human
110642	1753	Asia	Japan		chicken
111135	Cj-4207	Europe	Portugal		human
111508	CS41	Asia	S. Korea		chicken
111713	R1S3-12	North America	Canada	British Columbia	broiler enviro.
111728	R1S3-W2A	North America	Canada	British Columbia	chicken
114671	bigsid_8896	Europe	France		human
116314	RM5146	Europe	Italy		turkey
116315	RM5148	Europe	Italy		turkey
116316	RM5149	Europe	Italy		chicken
116317	RM5156	Europe	Italy		human

used

<u>year</u>
2004
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