

**Table S1.** *Campylobacter* strains used in transformation study

<i>C. jejuni</i> strains	ST	GenBank assembly	Source	Year <sup>1</sup>	Country	U.S. State	AMR <sup>2</sup>
FSIS11812945	10398	GCA_005367025.1	Chicken	2018	U.S.		-
FSIS11812081	2132	GCA_005345325.1	Chicken	2018	U.S.		-
FSIS11810577	353	GCA_005308685.1	Chicken	2018	U.S.		-
FSIS11706266	464	GCA_005196475.1	Chicken	2017	U.S.		-
FSIS11811270	50	GCA_005319705.1	Chicken	2018	U.S.	SC	-
FSIS11812063	50	GCA_005346505.1	Chicken	2018	U.S.	DE	-
FSIS12028218	50	GCA_013787785.1	Chicken	2020	U.S.	PA	T
FSIS12028305	50	GCA_010916015.1	Chicken	2020	U.S.	GA	T
FSIS12029464	50	GCA_011988645.1	Chicken	2020	U.S.	GA	-
FSIS12029904	50	GCA_012862935.1	Chicken	2020	U.S.	GA	-
FSIS12030287	50	GCA_013800385.1	Chicken	2020	U.S.	GA	-
FSIS12030565	50	GCA_013158105.1	Chicken	2020	U.S.	VA	-
FSIS12030692	50	GCA_013158405.1	Chicken	2020	U.S.	TN	TK
FSIS12030816	50	GCA_013802355.1	Chicken	2020	U.S.	ME	-
FSIS12031002	50	GCA_013742095.1	Chicken	2020	U.S.	ME	-
FSIS12031145	50	GCA_013585715.1	Chicken	2020	U.S.	GA	-
FSIS22028286	50	GCA_013718365.1	Chicken	2020	U.S.	PA	-
FSIS22028636	50	GCA_013514075.1	Chicken	2020	U.S.	MD	-
FSIS1607853	50	GCA_005199775.1	Chicken	2016	U.S.	WI	T
FSIS1608758	50	GCA_005115065.1	Chicken	2016	U.S.	GA	-
FSIS1609357	50	GCA_005127145.1	Chicken	2016	U.S.	FL	-
FSIS1609374	50	GCA_005164265.1	Chicken	2016	U.S.	GA	-
FSIS1709833	50	GCA_005127925.1	Chicken	2016	U.S.	AL	T
FSIS1710700	50	GCA_005018415.1	Chicken	2017	U.S.	FL	-
FSIS1710996	50	GCA_005268315.1	Chicken	2017	U.S.	IL	QT
FSIS1701236	50	GCA_005275875.1	Chicken	2017	U.S.	WA	T
FSIS1702913	50	GCA_005190995.1	Chicken	2017	U.S.	TX	-
FSIS1703025	50	GCA_005002075.1	Chicken	2017	U.S.	IN	QT
FSIS11705500	50	GCA_004994685.1	Chicken	2017	U.S.	LA	QT
FSIS21720655	50	GCA_004986225.1	Chicken	2017	U.S.	AL	QT
FSIS21720686	50	GCA_005056765.1	Chicken	2017	U.S.	GA	-
FSIS21820901	50	GCA_005187145.1	Chicken	2017	U.S.	SC	-
FSIS1606748	50	GCA_005293385.1	Cattle	2016	U.S.	PA	TK
FSIS1607146	50	GCA_005296665.1	Cattle	2016	U.S.	NE	T
FSIS1701497	50	GCA_005010355.1	Cattle	2017	U.S.	MD	QT
FSIS11812592	50	GCA_005350855.1	Cattle	2018	U.S.	KS	T
FSIS11917669	50	GCA_004885245.1	Swine	2019	U.S.	MO	-

FSIS11918239	50	GCA_004896895.1	Swine	2019	U.S.	KS	-
FSIS12028219	50	GCA_011722735.1	Cattle	2020	U.S.	MD	-
FSIS12032984	50	GCA_014547025.1	Lamb	2020	U.S.	GA	T
FSIS12033376	50	GCA_014660295.1	Cattle	2020	U.S.	MI	-
FSIS12138180	50	GCA_019563335.1	Cattle	2021	U.S.	MI	T
FSIS11814023	939	GCA_004810515.1	Chicken	2018	U.S.		-
FSIS12028216	939	GCA_011723555.1	Chicken	2020	U.S.		TK
FSIS12028439	939	GCA_010905265.1	Chicken	2020	U.S.		T
FSIS12030679	939	GCA_013158065.1	Chicken	2020	U.S.		-
FSIS12031025	939	GCA_013731875.1	Chicken	2020	U.S.		K
FSIS12031178	939	GCA_013730685.1	Chicken	2020	U.S.		T
FSIS12031661	939	GCA_013497495.1	Chicken	2020	U.S.		-
FSIS12031779	939	GCA_013447495.1	Chicken	2020	U.S.		-
FSIS22027247	939	GCA_011501785.1	Chicken	2020	U.S.		-
FSIS22027921	939	GCA_012976125.1	Chicken	2020	U.S.		-
FSIS22028453	939	GCA_013653585.1	Chicken	2020	U.S.		-
FSIS32003146	939	GCA_010311025.1	Chicken	2020	U.S.		K
RM 3405	50	GCA_032970625.1	Human	1979	Canada		-
RM 3412	50	GCA_032970685.1	Human	1979	Canada		T
RM 5146	50	GCF_032290505.1	Human	Unk	Italy		T
RM 5148	50	GCF_032290485.1	Human	Unk	Italy		T
RM 5149	50	GCF_032290445.1	Human	Unk	Italy		TQ
RM 5156	50	GCF_032290405.1	Chicken	Unk	Italy		T

<i>C. coli</i> strains	ST	GenBank assembly	Source	Year		AMR
FSIS11813367	1050	GCA_005374845.1	Chicken	2018	U.S.	-
FSIS1710488	7818	GCA_005253605.1	Chicken	2017	U.S.	-
FSIS1710329	7818	GCA_005257475.1	Chicken	2017	U.S.	-
FSIS11811291	829	GCA_005319505.1	Chicken	2018	U.S.	E
FSIS11813365	829	GCA_005374965.1	Chicken	2018	U.S.	E
FSIS1607221	829	GCA_005297805.1	Chicken	2016	U.S.	-
FSIS21822106	829	GCA_004808275.1	Chicken	2018	U.S.	-
FSIS11813852	902	GCA_005379785.1	Chicken	2018	U.S.	Q
FSIS1710767	3262	GCA_005258115.1	Chicken	2017	U.S.	Q
FSIS12027778	3262	GCA_010217935.1	Chicken	2020	U.S.	Q
FSIS12030275	3262	GCA_012975605.1	Chicken	2020	U.S.	Q
FSIS12031023	3262	GCA_013731895.1	Chicken	2020	U.S.	Q
FSIS12031175	3262	GCA_013730735.1	Chicken	2020	U.S.	-
FSIS12031458	3262	GCA_013622705.1	Chicken	2020	U.S.	Q
FSIS12031835	3262	GCA_013447195.1	Chicken	2020	U.S.	-

FSIS12031855	3262	GCA_013443435.1	Chicken	2020	Q
FSIS22027509	3262	GCA_011998725.1	Chicken	2020	Q
FSIS22028223	3262	GCA_013760625.1	Chicken	2020	Q
FSIS22028629	3262	GCA_013514015.1	Chicken	2020	Q

<sup>1-</sup> Unk- unknown year

<sup>2</sup> -: pan-sensitive; T: Tetracycline resistant; K: Kanamycin resistant; E: Erythromycin resistant; Q: Quinolone resistant