

**Supplementary Table S1.** Information on *C. coli* isolates included in this study

species	Isolate name	Sample code	Clade/cluster	Collection	Isolate information	Year	Type	BigsDB category	food/other info
<i>C. coli</i>	NCTC12569	LDI6741	CL1-cluster A	Public Health England	reference strain - human faeces	1984	clinical	human stool	N/A
<i>C. coli</i>	CCN264	LDI9192	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
<i>C. coli</i>	H043940494	LDI9880	CL1-cluster A	Public Health England	DX6960100-MICROBI PRESTON HOS	2004	food	pork offal or meat	N/A
<i>C. coli</i>	H121240502	LDI9914	CL1-cluster A	Public Health England	NPFS CARD(LLANDOUGH)	2012	food	chicken offal or meat	N/A
<i>C. coli</i>	H043920292	LDI9915	CL1-cluster A	Public Health England	DX6400100 -ASHFORD MICRO(KENT)	2004	food	lamb offal or meat	N/A
<i>C. coli</i>	H130600457	LDI12930	CL1-cluster A	Public Health England	NORTH TEES GENERAL HOSPITAL	2013	clinical	human blood culture	N/A
<i>C. coli</i>	UNLL3.1	LDI6793	CL1-cluster A	Nottingham University	Pig	2013	agriculture	pig	N/A
<i>C. coli</i>	NCTC11353	LDI9883	CL1-cluster A	Public Health England	reference strain, placenta of pig	1999	agriculture	pig	N/A
<i>C. coli</i>	p604A	LDI9933	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
<i>C. coli</i>	p588B	LDI9133	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
<i>C. coli</i>	H075200514	LDI9164	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
<i>C. coli</i>	H114640463b	LDI9931	CL1-cluster A	Public Health England	WATERFORD REGIONAL HOSPITAL	2011	clinical	human blood culture	N/A
<i>C. coli</i>	H062580346	LDI9145	CL1-cluster A	Public Health England	DX6580100-LISTER HOSPITAL	2006	clinical	human blood culture	N/A
<i>C. coli</i>	H061980521a	LDI9156	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
<i>C. coli</i>	H094560717	LDI9899	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
<i>C. coli</i>	H104860240	LDI12914	CL1-cluster A	Public Health England	DX6830100 STOKE MICRO HARTSH	2010	clinical	human blood culture	N/A
<i>C. coli</i>	H060260417	LDI12898	CL1-cluster A	Public Health England	VICTORIA HOSP - BLACKPOOL	2006	clinical	human blood culture	N/A
<i>C. coli</i>	H072820536	LDI9878	CL1-cluster A	Public Health England	CENTRAL SCIENCE LABORATORY	2007	food	other food	red meat
<i>C. coli</i>	H072820535	LDI13539	CL1-cluster A	Public Health England	CENTRAL SCIENCE LABORATORY	2007	food	other food	red meat
<i>C. coli</i>	H044220458	LDI12970	CL1-cluster A	Public Health England	DX6360100-HPA N.E. NEWCASTLE	2004	food	pork offal or meat	N/A
<i>C. coli</i>	H054000444	LDI9902	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2005	environment	environmental waters	N/A
<i>C. coli</i>	H060280132	LDI9877	CL1-cluster A	Public Health England	HPA WESSEX ENVIRO MICRO SERV	2006	food	chicken offal or meat	N/A
<i>C. coli</i>	UNAJC222	LDI6757	CL1-cluster A	Nottingham University	Pig	2008	agriculture	pig	N/A
<i>C. coli</i>	1535	LDI4910	CL1-cluster A	Liverpool University	soil	2000	environment	soil	N/A
<i>C. coli</i>	H044660164	LDI9139	CL1-cluster A	Public Health England	DX6780100-HPA WEST MIDLANDS	2004	clinical	human blood culture	N/A
<i>C. coli</i>	H132680116	LDI9890	CL1-cluster A	Public Health England	FWE - LEEDS HPA	2013	food	chicken offal or meat	chicken neck wash
<i>C. coli</i>	UNAJL222	LDI6785	CL1-cluster A	Nottingham University	Pig	2008	agriculture	pig	N/A
<i>C. coli</i>	H125280575	LDI9137	CL1-cluster A	Public Health England	DX6780100-HPA WEST MIDLANDS	2012	clinical	human blood culture	N/A
<i>C. coli</i>	H043880651	LDI9872	CL1-cluster A	Public Health England	DX6400100 -ASHFORD MICRO(KENT)	2004	food	lamb offal or meat	N/A
<i>C. coli</i>	UNLLIII	LDI6773	CL1-cluster A	Nottingham University	Pig	2008	agriculture	pig	N/A
<i>C. coli</i>	H063800417	LDI9949	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
<i>C. coli</i>	H124620276b	LDI9927	CL1-cluster A	Public Health England	PORTSMOUTH MICRO LAB	2012	clinical	human blood culture	N/A
<i>C. coli</i>	UNNQFC9	LDI9167	CL1-cluster A	Nottingham University	duck/goose	2008	environment	Duck	N/A
<i>C. coli</i>	UNOR581A	LDI6774	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
<i>C. coli</i>	UNES15	LDI6769	CL1-cluster A	Nottingham University	Chicken	2001	agriculture	Chicken	N/A
<i>C. coli</i>	H121060205	LDI9895	CL1-cluster A	Public Health England	HARROGATE DISTRICT HOSPITAL	2012	clinical	human blood culture	N/A
<i>C. coli</i>	CCN349	LDI6803	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
<i>C. coli</i>	EC0349	LDI6828	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2013	agriculture	farm environment	N/A
<i>C. coli</i>	SS_2356	LDI13619	CL1-cluster A	Swansea University	chicken	2005	agriculture	Chicken	N/A
<i>C. coli</i>	H110420358	LDI12906	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2011	food	chicken offal or meat	N/A
<i>C. coli</i>	H112160325	LDI12899	CL1-cluster A	Public Health England	E/01257 (3)	2011	food	other food	roast duck breast
<i>C. coli</i>	H112160324	LDI12957	CL1-cluster A	Public Health England	E/01257 (2)	2011	food	other food	roast duck breast
<i>C. coli</i>	H090520713	LDI9910	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A

C. coli	H134460277	LDI9919	CL1-cluster A	Public Health England	CLATTERBRIDGE HOSPITAL CH63	2013	clinical	human blood culture	N/A
C. coli	15-537360	Cc42yr	CL1-cluster A	Institute of Food Research	Clinical	2001	clinical	human unspecified	N/A
C. coli	SS_2322	LDI14946	CL1-cluster A	Swansea University	Chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2329	LDI14948	CL1-cluster A	Swansea University	Chicken	2004	agriculture	Chicken	N/A
C. coli	H094280625	LDI9950	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	H120880379	LDI12948	CL1-cluster A	Public Health England	NPHS CARD(LLANDOUGH)	2012	food	chicken offal or meat	N/A
C. coli	H132760143	LDI12963	CL1-cluster A	Public Health England	FWE - LEEDS HPA	2013	food	chicken offal or meat	chicken neck wash
C. coli	H044040580	LDI12941	CL1-cluster A	Public Health England	DX6050300-NORWICH MICROBIOLOGY	2004	food	lamb offal or meat	N/A
C. coli	H081820599a	LDI12919	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	UNF383D	LDI6742	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	H063800423	LDI9959	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	H073900238	LDI9870	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2007	food	chicken offal or meat	N/A
C. coli	H072620568	LDI9894	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H130500174	LDI9939	CL1-cluster A	Public Health England	DX6460300-PLYMOUTH MICRO	2013	clinical	human blood culture	N/A
C. coli	H081380695b	LDI9936	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	H133040289	LDI13538	CL1-cluster A	Public Health England	FWE - LEEDS HPA	2013	food	chicken offal or meat	chicken neck skin
C. coli	H120880380	LDI12907	CL1-cluster A	Public Health England	NPHS CARD(LLANDOUGH)	2012	food	chicken offal or meat	N/A
C. coli	H132600169	LDI12962	CL1-cluster A	Public Health England	WEST MIDLANDS,FOOD,WATER & ENV	2013	food	chicken offal or meat	raw whole chicken neck skin
C. coli	H051160594	LDI9920	CL1-cluster A	Public Health England	DX6960100-MICROBI PRESTON HOS	2005	food	chicken offal or meat	N/A
C. coli	H132580228	LDI12964	CL1-cluster A	Public Health England	FWE - LEEDS HPA	2013	food	chicken offal or meat	chicken neck wash
C. coli	H103480422	LDI9942	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	H063540531	LDI9886	CL1-cluster A	Public Health England	ROYAL INFIRMARY (EDINBURGH)	2006	clinical	human blood culture	N/A
C. coli	H102740168	LDI9875	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	NCTC12570	LDI6766	CL1-cluster A	Public Health England	reference strain, Belgium	1983?	clinical	human unspecified	N/A
C. coli	H132580239	LDI9940	CL1-cluster A	Public Health England	HPA WESSEX ENVIRO MICRO SERV	2013	food	chicken offal or meat	raw chicken
C. coli	SS_2357	LDI13611	CL1-cluster A	Swansea University	chicken	2005	agriculture	Chicken	N/A
C. coli	H053280346	LDI9911	CL1-cluster A	Public Health England	ROYAL HALLAMSHIRE HOSPITAL S10	2005	clinical	human blood culture	N/A
C. coli	H063900532	LDI9930	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	H084040382a	LDI9119	CL1-cluster A	Public Health England	DX6070100 NPHS MICRO CARDIFF	2008	clinical	human blood culture	N/A
C. coli	SS_2295	LDI13607	CL1-cluster A	Swansea University	chicken	2009	agriculture	Chicken	N/A
C. coli	BRISPIG3	LDI6770	CL1-cluster A	Bristol University	free range pig	2007	agriculture	pig	N/A
C. coli	UNQMCIIIS16	LDI9182	CL1-cluster A	Nottingham University	Human	2007	clinical	human unspecified	N/A
C. coli	NCTC11437	LDI6765	CL1-cluster A	Public Health England	reference strain - human faeces	1980	clinical	human stool	N/A
C. coli	H121760164	LDI9946	CL1-cluster A	Public Health England	HPA WESSEX ENVIRO MICRO SERV	2012	food	other food	duck liver pate
C. coli	H121240507	LDI12931	CL1-cluster A	Public Health England	NPHS CARD(LLANDOUGH)	2012	food	chicken offal or meat	N/A
C. coli	H132580232	LDI9874	CL1-cluster A	Public Health England	FWE - LEEDS HPA	2013	food	chicken offal or meat	chicken neck wash
C. coli	SS_2289	LDI14947	CL1-cluster A	Swansea University	Chicken	2004	agriculture	Chicken	N/A
C. coli	UNOR8693b	LDI9174	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	UNOR383B	LDI6825	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	H140200373	LDI9173	CL1-cluster A	Public Health England	DX6730300-UNI HOSP AINTREE	2014	clinical	human blood culture	N/A
C. coli	H063900401	LDI9131	CL1-cluster A	Public Health England	ST GEORGES HOSPITAL SW17	2006	clinical	human blood culture	N/A
C. coli	H043200357	LDI12908	CL1-cluster A	Public Health England	COUNTY HOSPITAL	2004	food	chicken offal or meat	N/A
C. coli	UNOR5482c	LDI9177	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	H105280404	LDI12949	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	turkey offal or meat	N/A
C. coli	SS_2294	LDI13614	CL1-cluster A	Swansea University	chicken	2009	agriculture	Chicken	N/A
C. coli	H102520382	LDI12938	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A

C. coli	BRISLC31-1	LDI6737	CL1-cluster A	Bristol University	3yr old dog	2007	agriculture	Dog	N/A
C. coli	BRIS1041X	LDI6786	CL1-cluster A	Bristol University	soil on free range chicken farm	2007	agriculture	farm environment	N/A
C. coli	H132760142	LDI9884	CL1-cluster A	Public Health England	FWE - LEEDS HPA	2013	food	chicken offal or meat	chicken neck wash
C. coli	H073700405	LDI9889	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	SS_2296	LDI13631	CL1-cluster A	Swansea University	chicken	2009	agriculture	Chicken	N/A
C. coli	H103060185	LDI12971	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	H093100604	LDI9943	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	H102380405	LDI12893	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	H142080277	LDI9918	CL1-cluster A	Public Health England	DX6730300-KINGSTON HOSPITAL	2014	clinical	human blood culture	N/A
C. coli	H125000370	LDI9916	CL1-cluster A	Public Health England	NORTH TEES GENERAL HOSPITAL	2012	clinical	human blood culture	N/A
C. coli	SS_2362	LDI14925	CL1-cluster A	Swansea University	Chicken	2009	agriculture	Chicken	N/A
C. coli	SS_2238	LDI13632	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2271	LDI13629	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2249	LDI14944	CL1-cluster A	Swansea University	Chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2326	LDI13627	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2278	LDI13626	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2315	LDI13621	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2226	LDI13616	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2266	LDI13625	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2291	LDI13628	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2279	LDI13634	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2349	LDI13613	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2276	LDI13635	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2318	LDI13617	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2325	LDI13623	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2285	LDI13633	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2230	LDI13624	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2352	LDI13622	CL1-cluster A	Swansea University	chicken	2005	agriculture	Chicken	N/A
C. coli	SS_2351	LDI13612	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2286	LDI13620	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	H102240159	LDI9945	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	UNES9	LDI6753	CL1-cluster A	Nottingham University	Chicken	2001	agriculture	Chicken	N/A
C. coli	H120960536	LDI9944	CL1-cluster A	Public Health England	DX6070200 -NPHS MICRO CARMARTH	2012	food	chicken offal or meat	N/A
C. coli	NCTC12567	LDI6750	CL1-cluster A	Public Health England	Human feces, Israel (ATCC 43488)	1983	clinical	human stool	N/A
C. coli	CCN20	LDI6826	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	p588D	LDI9146	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
C. coli	H123080386	LDI9129	CL1-cluster A	Public Health England	NINEWELLS HOSP-MICROBIOLOGY	2012	clinical	human blood culture	N/A
C. coli	H133020651a	LDI12901	CL1-cluster A	Public Health England	SCUNTHORPE GENERAL HOSPITAL DN	2013	clinical	human blood culture	N/A
C. coli	CCN19	LDI6814	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	SWAN350	LDI9170	CL1-cluster A	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	H054900335	LDI9958	CL1-cluster A	Public Health England	BRISTOL VIROLOGY - MYRTLE RD	2005	clinical	human blood culture	N/A
C. coli	p515D	LDI12939	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
C. coli	p515A	LDI12973	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
C. coli	CCN289	LDI9194	CL1-cluster A	Liverpool University	Poultry Environment, water	2013	agriculture	farm environment	N/A
C. coli	p495B	LDI12900	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
C. coli	p515B	LDI9130	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A

C. coli	p495D	LDI9171	CL1-cluster A	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	p494B	LDI12954	CL1-cluster A	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	p546C	LDI9158	CL1-cluster A	Liverpool University	Bootssock, Blencathra	2014	environment	soil	N/A
C. coli	H133020651b	LDI9147	CL1-cluster A	Public Health England	SCUNTHORPE GENERAL HOSPITAL DN	2013	clinical	human blood culture	N/A
C. coli	CCN245	LDI6747	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	CCN177	LDI6772	CL1-cluster A	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. coli	CCN246	LDI6755	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	CCN178	LDI6780	CL1-cluster A	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. coli	H083960630	LDI9907	CL1-cluster A	Public Health England	TAYSIDE SCIENTIFIC SERVICES	2008	clinical	human blood culture	N/A
C. coli	H070680142	LDI9885	CL1-cluster A	Public Health England	DX6830100 STOKE MICRO HARTSH	2007	clinical	human blood culture	N/A
C. coli	H140420240	LDI9188	CL1-cluster A	Public Health England	clinical isolate	2014	clinical	human unspecified	N/A
C. coli	CCN397	LDI6748	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	H090660740	LDI9923	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	UNCIC2	LDI6801	CL1-cluster A	Nottingham University	Chicken	2001	agriculture	Chicken	N/A
C. coli	H043940500	LDI9951	CL1-cluster A	Public Health England	DX6830100 STOKE MICRO HARTSH	2004	food	other food	meat unspecified
C. coli	H054000445	LDI9913	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2005	environment	environmental waters	N/A
C. coli	p494D	LDI9172	CL1-cluster A	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	H132480140	LDI9937	CL1-cluster A	Public Health England	WEST MIDLANDS,FOOD,WATER & ENV	2013	food	chicken offal or meat	whole chicken neck skin
C. coli	H093580323	LDI9204	CL1-cluster A	Public Health England	FWE - LEEDS HPA	2009	environment	environmental waters	N/A
C. coli	H112820480	LDI9917	CL1-cluster A	Public Health England	ROYAL OLDHAM HOSPITAL OL1	2011	clinical	human blood culture	N/A
C. coli	p495c	LDI9960	CL1-cluster A	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	H090780151	LDI9208	CL1-cluster A	Public Health England	ROYAL OLDHAM HOSPITAL OL1	2009	clinical	human blood culture	N/A
C. coli	H095340114a	LDI12923	CL1-cluster A	Public Health England	SOUTHEND HOSPITAL SS11	2009	clinical	human blood culture	N/A
C. coli	H095340114b	LDI9116	CL1-cluster A	Public Health England	SOUTHEND HOSPITAL SS11	2009	clinical	human blood culture	N/A
C. coli	H093960099	LDI9924	CL1-cluster A	Public Health England	DX6960100-MICROBI PRESTON HOS	2009	clinical	human blood culture	N/A
C. coli	p474B	LDI9144	CL1-cluster A	Liverpool University	Bootssock, Blencathra	2014	environment	soil	N/A
C. coli	SWAN195-3	LDI9154	CL1-cluster A	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	H102240161	LDI12915	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	H074360315	LDI9897	CL1-cluster A	Public Health England	ROYAL LIVERPOOL UNI HOSPITAL L	2007	clinical	human blood culture	N/A
C. coli	NCTC12568	LDI9891	CL1-cluster A	Public Health England	reference strain, pig feces	1983	agriculture	pig	N/A
C. coli	H140420134	LDI6789	CL1-cluster A	Public Health England	clinical	2014	clinical	human stool	foreign travel
C. coli	H051080182	LDI9206	CL1-cluster A	Public Health England	SCUNTHORPE GENERAL HOSPITAL DN	2005	clinical	human blood culture	N/A
C. coli	H092260570	LDI9956	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	CCN257	LDI6771	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	CCN205	LDI6767	CL1-cluster A	Liverpool University	Poultry Environment, water	2013	agriculture	farm environment	N/A
C. coli	CCN355	LDI6800	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	CCN357	LDI6819	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	H131800148	LDI12917	CL1-cluster A	Public Health England	ROYAL FREE HOSPITAL NW3	2013	clinical	human blood culture	N/A
C. coli	H042120298	LDI9935	CL1-cluster A	Public Health England	DX6350100-JAMES COOK(MICRO)	2004	food	lamb offal or meat	N/A
C. coli	H103600372	LDI9892	CL1-cluster A	Public Health England	DX6830100 STOKE MICRO HARTSH	2010	clinical	human blood culture	N/A
C. coli	EC3444	LDI9187	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	UNOR532A	LDI6790	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	UNOR4451c	LDI9176	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	UNOR7592c	LDI9175	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	H092660305	LDI9881	CL1-cluster A	Public Health England	LEEDS GENERAL INFIRMARY	2009	clinical	human blood culture	N/A
C. coli	EC1293	LDI6776	CL1-cluster A	Liverpool University	Dairy Farm, Water	2013	agriculture	farm environment	N/A

C. coli	p604D	LDI9165	CL1-cluster A	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	UNF5421c	LDI9179	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	UNOR10622c	LDI9178	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	CCN26	LDI9185	CL1-cluster A	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. coli	CCN123	LDI6796	CL1-cluster A	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. coli	NCTC11438	LDI9183	CL1-cluster A	Public Health England	reference strain - human faeces 7month child	1980	clinical	human stool	N/A
C. coli	CCN265	LDI6812	CL1-cluster A	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. coli	CCN124	LDI6830	CL1-cluster A	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. coli	CCN181	LDI6810	CL1-cluster A	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. coli	UNOR13691b	LDI9180	CL1-cluster A	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	CCN56	LDI6795	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	H132340486	LDI12925	CL1-cluster A	Public Health England	WEST MIDLANDS,FOOD,WATER & ENV	2013	food	chicken offal or meat	raw whole chicken neck skin
C. coli	H140660843	LDI6813	CL1-cluster A	Public Health England	clinical	2014	clinical	human stool	N/A
C. coli	EC3782	LDI12968	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3466	LDI6816	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5947	LDI13579	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC6299	LDI13592	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4722	LDI13591	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3511	LDI6760	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC3735	LDI12895	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3521	LDI12977	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3875	LDI12943	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC3693	LDI12953	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC4946	LDI13583	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5240b	LDI13597	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	SS_2284	LDI13610	CL1-cluster A	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	EC5850	LDI13559	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC5721	LDI14936	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC6304	LDI13567	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4956	LDI14940	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5905	LDI13568	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC4267	LDI14931	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3940	LDI13545	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	CCN55	LDI9186	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	EC3369	LDI12936	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4356	LDI13572	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC4690	LDI13588	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC3721	LDI13605	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC6158	LDI13550	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5479	LDI12913	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3444	LDI12981	CL1-cluster A	Liverpool University	Dairy Farm, Bootssock	2014	agriculture	farm environment	N/A
C. coli	EC3344	LDI6815	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5923	LDI13560	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4287	LDI13573	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3607	LDI12921	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5072	LDI14941	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A

C. coli	EC3525	LDI12896	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3748	LDI12929	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC5183	LDI13603	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3365	LDI6752	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4277	LDI13594	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4214	LDI12905	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3928	LDI13586	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3774	LDI12958	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3356	LDI6808	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3689	LDI13602	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3160	LDI6807	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2013	agriculture	farm environment	N/A
C. coli	EC6203	LDI13554	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3705	LDI13589	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3727	LDI12944	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3627	LDI12952	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3474	LDI12910	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4768	LDI13595	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5726	LDI12903	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4098	LDI14928	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3326	LDI12961	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5899	LDI14926	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC6016	LDI13542	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC6124	LDI13561	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3361	LDI6784	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3756	LDI12926	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3631	LDI12966	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3623	LDI13593	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3338	LDI12937	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3956	LDI12942	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3397	LDI13570	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3713	LDI12974	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3373	LDI6746	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3381	LDI6792	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4258	LDI13574	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5693	LDI14943	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3611	LDI13578	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3501	LDI12912	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC5246a	LDI13566	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5520	LDI13580	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC6173	LDI13584	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3478	LDI6762	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3725	LDI12969	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3529	LDI12927	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4462	LDI13569	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC5992	LDI13599	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3400	LDI12959	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A

C. coli	EC5240a	LDI13543	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5679	LDI13555	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3298	LDI6817	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3370	LDI12951	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5246b	LDI13601	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC6047	LDI13563	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4383	LDI13587	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC6122	LDI14942	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3537	LDI12980	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4835	LDI14930	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC4448	LDI13540	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5259	LDI13553	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC4978	LDI13598	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3348	LDI13547	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4910	LDI14937	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3505	LDI13548	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3786	LDI13546	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3490	LDI6768	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4808	LDI14933	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4530	LDI13590	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4473	LDI13575	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC5338	LDI14939	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4709	LDI13562	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3533	LDI12967	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4951	LDI12976	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3390	LDI6754	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC6049	LDI14934	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4685	LDI13600	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4393	LDI13544	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3575	LDI12975	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC4593	LDI13596	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC5531	LDI13565	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3322	LDI6827	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3619	LDI12945	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5806	LDI14929	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3879	LDI12950	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC3389	LDI12928	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3385	LDI6799	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC6168	LDI13549	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC4102	LDI13604	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC3498	LDI6744	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4194	LDI12935	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3357	LDI6809	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC4730	LDI12960	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4675	LDI13585	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5841	LDI13551	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A

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C. coli	EC3849	LDI12904	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4297	LDI14927	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3731	LDI12918	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4868	LDI13564	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC5604	LDI13558	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3615	LDI12897	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC5983	LDI14932	CL1-cluster A	Liverpool University	Dairy Farm, Faecal	2014	agriculture	farm environment	N/A
C. coli	EC3146	LDI6736	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2013	agriculture	farm environment	N/A
C. coli	EC4250	LDI13582	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4242	LDI13581	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC4238	LDI14935	CL1-cluster A	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	H065100499	LDI9143	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	CCN64	LDI6831	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	p546D	LDI9138	CL1-cluster A	Liverpool University	Bootsock, Blencathra	2014	environment	soil	N/A
C. coli	H132940658	LDI9938	CL1-cluster A	Public Health England	HPA WESSEX ENVIRO MICRO SERV	2013	food	chicken offal or meat	raw chicken
C. coli	CCN119	LDI6788	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	CCN72	LDI6794	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	CCN288	LDI6738	CL1-cluster A	Liverpool University	Poultry Environment, water	2013	agriculture	farm environment	N/A
C. coli	CCN292	LDI6829	CL1-cluster A	Liverpool University	Poultry Environment, water	2013	agriculture	farm environment	N/A
C. coli	CCN59	LDI6811	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	CCN293	LDI6802	CL1-cluster A	Liverpool University	Poultry Environment, water	2013	agriculture	farm environment	N/A
C. coli	CCN71	LDI6804	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	H140460193	LDI9193	CL1-cluster A	Public Health England	MICROBIOLOGY - MANCHESTER	2014	clinical	human stool	N/A
C. coli	CCN60	LDI6740	CL1-cluster A	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	CCN154	LDI6764	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	CCN153	LDI6756	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	H053780444	LDI12978	CL1-cluster A	Public Health England	HULL ROYAL INFIRMARY	2005	food	chicken offal or meat	N/A
C. coli	UNQMCIIIS18a	LDI12911	CL1-cluster A	Nottingham University	Human	2007	clinical	human unspecified	N/A
C. coli	CCN182	LDI9181	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	p568B	LDI12916	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
C. coli	H114640463a	LDI9150	CL1-cluster A	Public Health England	WATERFORD REGIONAL HOSPITAL	2011	clinical	human blood culture	N/A
C. coli	SWAN392	LDI9162	CL1-cluster A	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	p635D	LDI9118	CL1-cluster A	Liverpool University	Bootsock, Blencathra	2014	environment	soil	N/A
C. coli	p604B	LDI9157	CL1-cluster A	Liverpool University	Bootsock, Great Harwood	2014	environment	soil	N/A
C. coli	H040680225	LDI12924	CL1-cluster A	Public Health England	DX6050300-NORWICH MICROBIOLOGY	2004	food	lamb offal or meat	N/A
C. coli	p635A	LDI9128	CL1-cluster A	Liverpool University	Bootsock, Blencathra	2014	environment	soil	N/A
C. coli	H062180535	LDI12946	CL1-cluster A	Public Health England	HPA WESSEX ENVIRO MICRO SERV	2006	food	chicken offal or meat	N/A
C. coli	p474A	LDI9124	CL1-cluster A	Liverpool University	Bootsock, Blencathra	2014	environment	soil	N/A
C. coli	p546B	LDI9115	CL1-cluster A	Liverpool University	Bootsock, Blencathra	2014	environment	soil	N/A
C. coli	p546A	LDI9201	CL1-cluster A	Liverpool University	Bootsock, Blencathra	2014	environment	soil	N/A
C. coli	H132760749	LDI12909	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2013	food	chicken offal or meat	Halal fresh Class A whole chicken
C. coli	CCN120	LDI6739	CL1-cluster A	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. coli	H072680465	LDI9906	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H111620356	LDI12932	CL1-cluster A	Public Health England	FWE LAB - PRESTON HO	2011	food	cows milk	N/A
C. coli	p474C	LDI9125	CL1-cluster A	Liverpool University	Bootsock, Blencathra	2014	environment	soil	N/A
C. coli	H084040382b	LDI9932	CL1-cluster A	Public Health England	DX6070100 NPHS MICRO CARDIFF	2008	clinical	human blood culture	N/A



C. coli	H081940749	LDI9200	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	EC3952	LDI13576	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	EC4060	LDI12934	CL1-cluster A	Liverpool University	Dairy Farm, Bootsock	2014	agriculture	farm environment	N/A
C. coli	H073180384	LDI9123	CL1-cluster A	Public Health England	UNIVERSITY COLLEGE HOSP	2007	clinical	human blood culture	N/A
C. coli	H043900429	LDI9961	CL1-cluster A	Public Health England	DX6360100-HPA N.E. NEWCASTLE	2004	food	chicken offal or meat	N/A
C. coli	H092260569a	LDI9904	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	H091320788	LDI9926	CL1-cluster A	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	UNF491c	LDI12902	CL1-cluster B	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	H062140681	LDI9955	CL1-cluster B	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	SS_2234	LDI13615	CL1-cluster B	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2261	LDI13606	CL1-cluster B	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2263	LDI13608	CL1-cluster B	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2252	LDI13609	CL1-cluster B	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2246	LDI13618	CL1-cluster B	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SS_2283	LDI13630	CL1-cluster B	Swansea University	chicken	2004	agriculture	Chicken	N/A
C. coli	SWAN249	LDI6743	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN269	LDI9161	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	p494A	LDI9148	CL1-cluster C	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	H102680185	LDI9928	CL1-cluster C	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	SWAN333	LDI12894	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	p568C	LDI9151	CL1-cluster C	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	SWAN342	LDI9169	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN407	LDI6781	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN393	LDI9160	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN361	LDI9153	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN195-1	LDI6735	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN331	LDI6745	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	H091320792	LDI12892	CL1-cluster C	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	NCTC13006	LDI6805	CL1-cluster C	Public Health England	river water	1999	environment	environmental waters	N/A
C. coli	H055260498	LDI6749	CL1-cluster C	Public Health England	River Thames	2005	environment	environmental waters	N/A
C. coli	SS_2268	LDI14945	CL1-cluster C	Swansea University	Chicken	2004	agriculture	Chicken	N/A
C. coli	N11D1	LDI4908	CL1-cluster C	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	H085160740	LDI9197	CL1-cluster C	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	H081380701	LDI9954	CL1-cluster C	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	SWAN254	LDI12979	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	UNOR9553d	LDI9168	CL1-cluster C	Nottingham University	Chicken	2003	agriculture	Chicken	N/A
C. coli	SWAN261	LDI6759	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN288	LDI6783	CL1-cluster C	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	H053320338	LDI12933	CL1-cluster C	Public Health England	DX6960100-MICROBI PRESTON HOS	2005	food	chicken offal or meat	N/A
C. coli	SWAN308	LDI6751	CL2	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	H105160209	LDI9948	CL2	Public Health England	FWE LAB - PRESTON HO	2010	food	turkey offal or meat	N/A
C. coli	1718	LDI4911	CL2	Liverpool University	bird	2000	environment	Wild bird	N/A
C. coli	H054340287	LDI9898	CL2	Public Health England	DX6050300-NORWICH MICROBIOLOGY	2005	food	chicken offal or meat	N/A
C. coli	H091320798	LDI9141	CL2	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	C8C3	LDI4906	CL2	Liverpool University	marl pit	2000	environment	environmental waters	N/A
C. coli	B15B3	LDI4900	CL2	Liverpool University	water	2000	environment	environmental waters	N/A

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C. coli	K11	LDI4905	CL2	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	F15D2	LDI4898	CL2	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	UNOR14731d	LDI9166	CL2	Nottingham University	chicken	2003	agriculture	Chicken	N/A
C. coli	H091940890	LDI9869	CL2	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	H094560718	LDI9142	CL2	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	W17A	LDI12920	CL2	Liverpool University	Bootssock, Urban Park	2014	environment	soil	N/A
C. coli	W17C	LDI13552	CL2	Liverpool University	Bootssock, Urban Park	2014	environment	soil	N/A
C. coli	W17B	LDI13556	CL2	Liverpool University	Bootssock, Urban Park	2014	environment	soil	N/A
C. coli	W17D	LDI13577	CL2	Liverpool University	Bootssock, Urban Park	2014	environment	soil	N/A
C. coli	p515C	LDI9159	CL2	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	EC5640	LDI13571	CL2	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	EC5496	LDI14938	CL2	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. coli	H043880653	LDI9893	CL2	Public Health England	HAMMERSMITH HOSPITAL	2004	clinical	human blood culture	N/A
C. coli	M2D2	LDI4907	CL2	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	F5A2	LDI4901	CL2	Liverpool University	marl pit	2000	environment	environmental waters	N/A
C. coli	A12B2	LDI4914	CL2	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	H055260517	LDI12891	CL2	Public Health England	FOOD WATER & ENVIRO. LAB	2005	environment	environmental waters	N/A
C. coli	H055260513	LDI9873	CL2	Public Health England	FOOD WATER & ENVIRO. LAB	2005	environment	environmental waters	N/A
C. coli	SWAN325	LDI6791	CL2	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	H093580632	LDI9922	CL2	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	p474D	LDI9202	CL2	Liverpool University	Bootssock, Blencathra	2014	environment	soil	N/A
C. coli	SWAN409	LDI12965	CL2	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN337	LDI9152	CL2	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	CCN398	LDI9189	CL2	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A
C. coli	SWAN372	LDI9190	CL2	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	SWAN408	LDI6782	CL2	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	F14B4C4	LDI4913	CL2	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	M4A4	LDI4912	CL2	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	M5D4	LDI4897	CL2	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	H092560131	LDI9122	CL2	Public Health England	FWE - LEEDS HPA	2009	environment	environmental waters	N/A
C. coli	H072760517	LDI9953	CL3	Public Health England	NORTH MIDDLESEX HOSPITAL N18	2007	clinical	human blood culture	N/A
C. coli	H070380306	LDI9140	CL3	Public Health England	DX6510105 - BEDFORD GEN HOSP	2007	clinical	human blood culture	N/A
C. coli	H082280513	LDI12955	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	H073220518	LDI9868	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	O6C1	LDI4909	CL3	Liverpool University	marl pit	2000	environment	environmental waters	N/A
C. coli	H124500577	LDI9903	CL3	Public Health England	QUEEN ELIZABETH HOSPITAL SE18	2012	clinical	human blood culture	N/A
C. coli	H042280284	LDI9957	CL3	Public Health England	NORTHERN GENERAL HOSPITAL	2004	food	beef offal or meat	N/A
C. coli	H060960756	LDI6734	CL3	Public Health England	River Thames	2006	environment	environmental waters	N/A
C. coli	H060960757	LDI6758	CL3	Public Health England	River Thames	2006	environment	environmental waters	N/A
C. coli	H060740717	LDI6797	CL3	Public Health England	River Thames	2006	environment	environmental waters	N/A
C. coli	H081840386	LDI9155	CL3	Public Health England	DX6370100- BRIGHTON HOSPITAL	2008	clinical	human blood culture	N/A
C. coli	H061980521b	LDI9879	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	p494C	LDI9195	CL3	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	p568A	LDI9163	CL3	Liverpool University	Bootssock, Great Harwood	2014	environment	soil	N/A
C. coli	H102740169	LDI9929	CL3	Public Health England	FWE LAB - PRESTON HO	2010	food	chicken offal or meat	N/A
C. coli	H085160749	LDI9149	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A

C. coli	P635B	LDI9934	CL3	Liverpool University	Bootssock, Blencathra	2014	environment	soil	N/A
C. coli	H091000385	LDI9207	CL3	Public Health England	LEWISHAM HOSPITAL SE13	2009	clinical	human blood culture	N/A
C. coli	H071960681	LDI9901	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H090980249	LDI9132	CL3	Public Health England	FWE - LEEDS HPA	2009	environment	environmental waters	N/A
C. coli	H074080511	LDI9888	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H072620566	LDI9135	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H113760461	LDI9887	CL3	Public Health England	JOHN RADCLIFFE-MICROBIOLOGY	2011	clinical	human blood culture	N/A
C. coli	H132840800	LDI9921	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2013	food	chicken offal or meat	N/A
C. coli	SWAN264	LDI6775	CL3	Swansea University	Duck	2013	environment	Duck	N/A
C. coli	H124620276a	LDI9905	CL3	Public Health England	PORTSMOUTH MICRO LAB	2012	clinical	human blood culture	N/A
C. coli	H083420694	LDI9882	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	D13A4	LDI4902	CL3	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	H094560720	LDI9136	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	H065100506	LDI9134	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	H094860392	LDI12972	CL3	Public Health England	FWE - LEEDS HPA	2009	environment	environmental waters	N/A
C. coli	H065160534	LDI9120	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	H094560713	LDI9126	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	H042840283	LDI9912	CL3	Public Health England	DX6350100-JAMES COOK(MICRO)	2004	food	pork offal or meat	N/A
C. coli	H063720401	LDI9925	CL3	Public Health England	DX6960300 -UNI HOSP AINTREE	2006	clinical	human blood culture	N/A
C. coli	H082560569	LDI12922	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	H093580324	LDI9127	CL3	Public Health England	FWE - LEEDS HPA	2009	environment	environmental waters	N/A
C. coli	H082280515	LDI12947	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	C9A1	LDI4896	CL3	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	H133380250	LDI9952	CL3	Public Health England	HPA WESSEX ENVIRO MICRO SERV	2013	food	chicken offal or meat	raw chicken
C. coli	H083420701	LDI9871	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	H075140555	LDI9117	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H073180383	LDI12940	CL3	Public Health England	WARWICK HOSPITAL	2007	clinical	human blood culture	N/A
C. coli	H073580401	LDI12956	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H085160742	LDI9121	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	H053120426	LDI9196	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2005	environment	environmental waters	N/A
C. coli	H043560441	LDI9896	CL3	Public Health England	LLANDOUGH HOSPITAL CF64	2004	food	other food	meat unspecified
C. coli	H074080509	LDI9876	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	H092260569b	LDI9909	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2009	environment	environmental waters	N/A
C. coli	H061680633	LDI9205	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2006	environment	environmental waters	N/A
C. coli	H110340458	LDI9941	CL3	Public Health England	FWE LAB - PRESTON HO	2011	food	chicken offal or meat	N/A
C. coli	H081380695a	LDI9203	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2008	environment	environmental waters	N/A
C. coli	H051960469	LDI9900	CL3	Public Health England	DX6460100-ROYAL DEVON & EXETE	2005	food	lamb offal or meat	N/A
C. coli	H075200522	LDI9198	CL3	Public Health England	FOOD WATER & ENVIRO. LAB	2007	environment	environmental waters	N/A
C. coli	K3D1	LDI4899	CL3	Liverpool University	water	2000	environment	environmental waters	N/A
C. coli	EC6147	LDI13557	CL3	Liverpool University	Dairy Farm, Water	2014	agriculture	farm environment	N/A
C. jejuni	I7C1	LDI4903	jejuni	Liverpool University	water	2000	environment	environmental waters	N/A
C. jejuni	998	LDI4904	jejuni	Liverpool University	rabbit	2000	environment	Rabbit	N/A
C. jejuni	CCN443	LDI6763	jejuni	Liverpool University	Poultry House, bootssock	2013	agriculture	farm environment	N/A
C. jejuni	BRIS982B	LDI6778	jejuni	Bristol University	puddle outside poultry house	2006	agriculture	farm environment	N/A
C. jejuni	CCN27	LDI6779	jejuni	Liverpool University	Poultry Environment, bootssock	2013	agriculture	farm environment	N/A
C. jejuni	CCN29	LDI6787	jejuni	Liverpool University	Poultry House, Faecal	2013	agriculture	farm environment	N/A

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C. jejuni	CCN4	LDI6798	jejuni	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. jejuni	CCN5	LDI6806	jejuni	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. jejuni	CCN25	LDI6824	jejuni	Liverpool University	Poultry Environment, bootsock	2013	agriculture	farm environment	N/A
C. jejuni	CCN190	LDI9184	jejuni	Liverpool University	Poultry Environment, water	2013	agriculture	farm environment	N/A

**Supplementary Table S2.** Multi Locus Sequence Typing data for the *C. coli* isolates included in this study

species	Isolate name	Sample code	Clade/cluster	aspA	glnA	gltA	glyA	pgm	tkt	uncA	ST	clonal_complex	
<i>C. coli</i>	NCTC12569	LDI6741	CL1-cluster A	82	38	30	82	82	104	35	36	895	none
<i>C. coli</i>	CCN264	LDI9192	CL1-cluster A	53	39	44	82	82	118	35	36	1172	none
<i>C. coli</i>	H043940494	LDI9880	CL1-cluster A	53	39	123	82	82	104	35	36	7880	none
<i>C. coli</i>	H121240502	LDI9914	CL1-cluster A	53	38	30	82	82	118	85	36	none	none
<i>C. coli</i>	H043920292	LDI9915	CL1-cluster A	53	38	30	82	82	104	44	36	2737	none
<i>C. coli</i>	H130600457	LDI12930	CL1-cluster A	53	38	30	82	82	104	44	36	2737	none
<i>C. coli</i>	UNLL3.1	LDI6793	CL1-cluster A	53	38	30	81	81	104	85	36	1617	none
<i>C. coli</i>	NCTC11353	LDI9883	CL1-cluster A	53	38	30	81	81	118	35	36	1469	none
<i>C. coli</i>	p604A	LDI9933	CL1-cluster A	53	38	30	81	81	118	71	36	1681	none
<i>C. coli</i>	p588B	LDI9133	CL1-cluster A	53	38	30	81	81	118	71	36	1681	none
<i>C. coli</i>	H075200514	LDI9164	CL1-cluster A	53	38	30	81	81	118	71	36	1681	none
<i>C. coli</i>	H114640463b	LDI9931	CL1-cluster A	53	38	30	81	81	118	71	36	1681	none
<i>C. coli</i>	H062580346	LDI9145	CL1-cluster A	53	38	30	81	81	118	71	36	1681	none
<i>C. coli</i>	H061980521a	LDI9156	CL1-cluster A	53	38	30	81	81	118	71	36	1681	none
<i>C. coli</i>	H094560717	LDI9899	CL1-cluster A	53	38	30	81	81	118	71	36	1681	none
<i>C. coli</i>	H104860240	LDI12914	CL1-cluster A	33	39	44	82	82	104	35	36	1417	ST-828 complex
<i>C. coli</i>	H060260417	LDI12898	CL1-cluster A	33	38	30	81	81	104	43	36	none	none
<i>C. coli</i>	H072820536	LDI9878	CL1-cluster A	33	38	30	82	82	118	43	17	1016	ST-828 complex
<i>C. coli</i>	H072820535	LDI13539	CL1-cluster A	33	38	30	82	82	118	43	17	1016	ST-828 complex
<i>C. coli</i>	H044220458	LDI12970	CL1-cluster A	33	153	30	82	82	104	35	36	1248	ST-828 complex
<i>C. coli</i>	H054000444	LDI9902	CL1-cluster A	33	38	30	82	82	104	35	17	1096	ST-828 complex
<i>C. coli</i>	H060280132	LDI9877	CL1-cluster A	33	38	30	82	82	104	43	17	854	ST-828 complex
<i>C. coli</i>	UNAJC222	LDI6757	CL1-cluster A	33	38	30	82	82	104	43	17	854	ST-828 complex
<i>C. coli</i>	1535	LDI4910	CL1-cluster A	33	38	30	82	82	337	43	17	2220	ST-828 complex
<i>C. coli</i>	H044660164	LDI9139	CL1-cluster A	33	38	30	82	82	104	85	17	1177	ST-828 complex
<i>C. coli</i>	H132680116	LDI9890	CL1-cluster A	32	38	30	82	82	152	35	17	900	none
<i>C. coli</i>	UNAJL222	LDI6785	CL1-cluster A	33	38	30	82	82	104	35	17	1096	ST-828 complex
<i>C. coli</i>	H125280575	LDI9137	CL1-cluster A	33	38	30	238	82	104	43	36	2097	ST-828 complex
<i>C. coli</i>	H043880651	LDI9872	CL1-cluster A	33	39	30	82	82	104	44	17	1145	ST-828 complex
<i>C. coli</i>	UNLLIII	LDI6773	CL1-cluster A	33	39	30	82	82	104	117	17	1464	ST-828 complex
<i>C. coli</i>	H063800417	LDI9949	CL1-cluster A	33	39	30	82	82	113	43	17	829	ST-828 complex
<i>C. coli</i>	H124620276b	LDI9927	CL1-cluster A	33	39	30	82	82	189	43	17	1585	ST-828 complex
<i>C. coli</i>	UNNQFC9	LDI9167	CL1-cluster A	33	66	30	192	82	189	44	17	1531	none

C. coli	UNOR581A	LDI6774	CL1-cluster A	33	66	30	192	189	44	17	1531	none
C. coli	UNES15	LDI6769	CL1-cluster A	33	39	30	82	189	44	17	5165	ST-828 complex
C. coli	H121060205	LDI9895	CL1-cluster A	33	39	122	192	189	44	17	none	none
C. coli	CCN349	LDI6803	CL1-cluster A	33	66	65	192	189	44	17	7117	none
C. coli	EC0349	LDI6828	CL1-cluster A	33	66	65	192	189	44	17	7117	none
C. coli	SS_2356	LDI13619	CL1-cluster A	33	66	30	139	189	44	17	1490	none
C. coli	H110420358	LDI12906	CL1-cluster A	33	39	30	391	104	47	17	4422	ST-828 complex
C. coli	H112160325	LDI12899	CL1-cluster A	33	39	103	79	104	35	17	3016	ST-828 complex
C. coli	H112160324	LDI12957	CL1-cluster A	33	39	103	79	104	35	17	3016	ST-828 complex
C. coli	H090520713	LDI9910	CL1-cluster A	165	39	30	79	104	35	17	4434	ST-828 complex
C. coli	H134460277	LDI9919	CL1-cluster A	33	39	30	79	104	35	17	855	ST-828 complex
C. coli	15-537360	Cc42yr	CL1-cluster A	33	39	30	79	104	35	17	855	ST-828 complex
C. coli	SS_2322	LDI14946	CL1-cluster A	33	39	30	79	104	35	17	855	ST-828 complex
C. coli	SS_2329	LDI14948	CL1-cluster A	33	39	30	79	104	35	17	855	ST-828 complex
C. coli	H094280625	LDI9950	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H120880379	LDI12948	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H132760143	LDI12963	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H044040580	LDI12941	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H081820599a	LDI12919	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	UNF383D	LDI6742	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H063800423	LDI9959	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H073900238	LDI9870	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H072620568	LDI9894	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H130500174	LDI9939	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H081380695b	LDI9936	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H133040289	LDI13538	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H120880380	LDI12907	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H132600169	LDI12962	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H051160594	LDI9920	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H132580228	LDI12964	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	H103480422	LDI9942	CL1-cluster A	33	39	65	79	104	85	17	2273	ST-828 complex
C. coli	H063540531	LDI9886	CL1-cluster A	33	66	30	82	113	206	17	5659	ST-828 complex
C. coli	H102740168	LDI9875	CL1-cluster A	292	66	30	82	113	206	17	5150	none
C. coli	NCTC12570	LDI6766	CL1-cluster A	33	39	30	79	104	43	41	901	ST-828 complex
C. coli	H132580239	LDI9940	CL1-cluster A	33	39	30	82	104	43	17	828	ST-828 complex
C. coli	SS_2357	LDI13611	CL1-cluster A	33	168	65	79	104	35	17	1493	none

C. coli	H053280346	LDI9911	CL1-cluster A	33	39	30	79	104	47	17	830	ST-828 complex
C. coli	H063900532	LDI9930	CL1-cluster A	33	39	30	296	104	85	17	4709	ST-828 complex
C. coli	H084040382a	LDI9119	CL1-cluster A	33	39	30	296	104	85	17	4709	ST-828 complex
C. coli	SS_2295	LDI13607	CL1-cluster A	33	39	30	79	104	85	17	1614	ST-828 complex
C. coli	BRISPIG3	LDI6770	CL1-cluster A	33	38	30	82	104	85	68	887	ST-828 complex
C. coli	UNQMCIS16	LDI9182	CL1-cluster A	33	38	134	240	104	117	17	2488	none
C. coli	NCTC11437	LDI6765	CL1-cluster A	33	38	134	240	104	117	17	2488	none
C. coli	H121760164	LDI9946	CL1-cluster A	33	124	30	82	189	47	74	3567	none
C. coli	H121240507	LDI12931	CL1-cluster A	87	39	30	82	189	43	74	none	none
C. coli	H132580232	LDI9874	CL1-cluster A	33	39	30	82	113	43	17	829	ST-828 complex
C. coli	SS_2289	LDI14947	CL1-cluster A	33	38	66	82	104	43	17	1089	ST-828 complex
C. coli	UNOR8693b	LDI9174	CL1-cluster A	33	38	66	82	104	43	17	1089	ST-828 complex
C. coli	UNOR383B	LDI6825	CL1-cluster A	33	38	66	82	104	43	17	1089	ST-828 complex
C. coli	H140200373	LDI9173	CL1-cluster A	33	38	66	82	104	43	17	1089	ST-828 complex
C. coli	H063900401	LDI9131	CL1-cluster A	33	39	30	79	113	35	17	1666	ST-828 complex
C. coli	H043200357	LDI12908	CL1-cluster A	33	39	30	82	189	47	74	2298	ST-828 complex
C. coli	UNOR5482c	LDI9177	CL1-cluster A	124	39	30	82	189	47	74	2195	none
C. coli	H105280404	LDI12949	CL1-cluster A	124	39	30	82	189	47	74	2195	none
C. coli	SS_2294	LDI13614	CL1-cluster A	124	39	30	82	189	47	74	2195	none
C. coli	H102520382	LDI12938	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	BRISLC31-1	LDI6737	CL1-cluster A	33	39	122	82	189	43	17	2022	ST-828 complex
C. coli	BRIS1041X	LDI6786	CL1-cluster A	33	39	122	82	189	43	17	2022	ST-828 complex
C. coli	H132760142	LDI9884	CL1-cluster A	33	39	122	82	189	43	17	2022	ST-828 complex
C. coli	H073700405	LDI9889	CL1-cluster A	33	39	122	82	189	43	17	2022	ST-828 complex
C. coli	SS_2296	LDI13631	CL1-cluster A	33	39	30	82	113	43	74	4149	ST-828 complex
C. coli	H103060185	LDI12971	CL1-cluster A	33	39	30	139	113	43	17	1774	ST-828 complex
C. coli	H093100604	LDI9943	CL1-cluster A	33	39	30	139	113	47	17	4425	ST-828 complex
C. coli	H102380405	LDI12893	CL1-cluster A	33	39	30	139	113	47	17	4425	ST-828 complex
C. coli	H142080277	LDI9918	CL1-cluster A	33	39	30	139	113	47	17	4425	ST-828 complex
C. coli	H125000370	LDI9916	CL1-cluster A	33	39	65	139	113	56	17	1749	none
C. coli	SS_2362	LDI14925	CL1-cluster A	33	39	65	139	113	56	17	1749	none
C. coli	SS_2238	LDI13632	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2271	LDI13629	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2249	LDI14944	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2326	LDI13627	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2278	LDI13626	CL1-cluster A	87	39	30	82	189	44	74	1090	none

C. coli	SS_2315	LDI13621	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2226	LDI13616	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2266	LDI13625	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2291	LDI13628	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2279	LDI13634	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2349	LDI13613	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2276	LDI13635	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2318	LDI13617	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2325	LDI13623	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2285	LDI13633	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2230	LDI13624	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2352	LDI13622	CL1-cluster A	87	39	30	82	188	44	74	1488	none
C. coli	SS_2351	LDI13612	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	SS_2286	LDI13620	CL1-cluster A	87	39	30	82	189	44	74	1090	none
C. coli	H102240159	LDI9945	CL1-cluster A	124	39	30	79	104	47	17	1541	ST-828 complex
C. coli	UNES9	LDI6753	CL1-cluster A	124	39	30	79	104	47	17	1541	ST-828 complex
C. coli	H120960536	LDI9944	CL1-cluster A	33	39	30	82	113	43	17	829	ST-828 complex
C. coli	NCTC12567	LDI6750	CL1-cluster A	33	39	30	82	113	35	17	899	ST-828 complex
C. coli	CCN20	LDI6826	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p588D	LDI9146	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H123080386	LDI9129	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H133020651a	LDI12901	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	CCN19	LDI6814	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	SWAN350	LDI9170	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H054900335	LDI9958	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p515D	LDI12939	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p515A	LDI12973	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	CCN289	LDI9194	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p495B	LDI12900	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p515B	LDI9130	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p495D	LDI9171	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p494B	LDI12954	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p546C	LDI9158	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H133020651b	LDI9147	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	CCN245	LDI6747	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	CCN177	LDI6772	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex



C. coli	CCN246	LDI6755	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	CCN178	LDI6780	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H083960630	LDI9907	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H070680142	LDI9885	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H140420240	LDI9188	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	CCN397	LDI6748	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H090660740	LDI9923	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	UNCIC2	LDI6801	CL1-cluster A	66	39	30	82	104	47	17	1405	ST-828 complex
C. coli	H043940500	LDI9951	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H054000445	LDI9913	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	p494D	LDI9172	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H132480140	LDI9937	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	H093580323	LDI9204	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H112820480	LDI9917	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	p495c	LDI9960	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H090780151	LDI9208	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H095340114a	LDI12923	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H095340114b	LDI9116	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H093960099	LDI9924	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	p474B	LDI9144	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	SWAN195-3	LDI9154	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H102240161	LDI12915	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H074360315	LDI9897	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	NCTC12568	LDI9891	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H140420134	LDI6789	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H051080182	LDI9206	CL1-cluster A	33	39	30	82	113	44	17	872	ST-828 complex
C. coli	H092260570	LDI9956	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	CCN257	LDI6771	CL1-cluster A	33	39	30	82	104	47	36	962	ST-828 complex
C. coli	CCN205	LDI6767	CL1-cluster A	33	39	30	82	104	47	36	962	ST-828 complex
C. coli	CCN355	LDI6800	CL1-cluster A	33	39	30	82	104	47	36	962	ST-828 complex
C. coli	CCN357	LDI6819	CL1-cluster A	33	39	30	82	104	47	36	962	ST-828 complex
C. coli	H131800148	LDI12917	CL1-cluster A	33	39	30	82	104	47	36	962	ST-828 complex
C. coli	H042120298	LDI9935	CL1-cluster A	33	39	30	82	104	47	36	962	ST-828 complex
C. coli	H103600372	LDI9892	CL1-cluster A	33	39	30	79	113	47	17	860	ST-828 complex
C. coli	EC3444	LDI9187	CL1-cluster A	33	39	30	79	104	47	17	830	ST-828 complex
C. coli	UNOR532A	LDI6790	CL1-cluster A	33	39	30	82	113	47	68	1203	ST-828 complex

C. coli	UNOR4451c	LDI9176	CL1-cluster A	33	39	30	82	113	47	68	1203	ST-828 complex
C. coli	UNOR7592c	LDI9175	CL1-cluster A	33	39	30	82	113	47	68	1203	ST-828 complex
C. coli	H092660305	LDI9881	CL1-cluster A	33	39	30	82	113	43	17	829	ST-828 complex
C. coli	EC1293	LDI6776	CL1-cluster A	33	39	30	79	113	43	17	832	ST-828 complex
C. coli	p604D	LDI9165	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	UNF5421c	LDI9179	CL1-cluster A	33	39	30	82	113	47	17	825	ST-828 complex
C. coli	UNOR10622c	LDI9178	CL1-cluster A	33	39	30	82	113	43	17	829	ST-828 complex
C. coli	CCN26	LDI9185	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN123	LDI6796	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	NCTC11438	LDI9183	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN265	LDI6812	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN124	LDI6830	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN181	LDI6810	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	UNOR13691b	LDI9180	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN56	LDI6795	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H132340486	LDI12925	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H140660843	LDI6813	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3782	LDI12968	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3466	LDI6816	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5947	LDI13579	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6299	LDI13592	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4722	LDI13591	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3511	LDI6760	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3735	LDI12895	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3521	LDI12977	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3875	LDI12943	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3693	LDI12953	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4946	LDI13583	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5240b	LDI13597	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	SS_2284	LDI13610	CL1-cluster A		39	30	82	104	56	17	none	none
C. coli	EC5850	LDI13559	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5721	LDI14936	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6304	LDI13567	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4956	LDI14940	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5905	LDI13568	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4267	LDI14931	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex

C. coli	EC3940	LDI13545	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN55	LDI9186	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3369	LDI12936	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4356	LDI13572	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4690	LDI13588	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3721	LDI13605	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6158	LDI13550	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5479	LDI12913	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3444	LDI12981	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3344	LDI6815	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5923	LDI13560	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4287	LDI13573	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3607	LDI12921	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5072	LDI14941	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3525	LDI12896	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3748	LDI12929	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5183	LDI13603	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3365	LDI6752	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4277	LDI13594	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4214	LDI12905	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3928	LDI13586	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3774	LDI12958	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3356	LDI6808	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3689	LDI13602	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3160	LDI6807	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6203	LDI13554	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3705	LDI13589	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3727	LDI12944	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3627	LDI12952	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3474	LDI12910	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4768	LDI13595	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5726	LDI12903	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4098	LDI14928	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3326	LDI12961	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5899	LDI14926	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6016	LDI13542	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex

C. coli	EC6124	LDI13561	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3361	LDI6784	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3756	LDI12926	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3631	LDI12966	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3623	LDI13593	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3338	LDI12937	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3956	LDI12942	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3397	LDI13570	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3713	LDI12974	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3373	LDI6746	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3381	LDI6792	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4258	LDI13574	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5693	LDI14943	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3611	LDI13578	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3501	LDI12912	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5246a	LDI13566	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5520	LDI13580	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6173	LDI13584	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3478	LDI6762	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3725	LDI12969	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3529	LDI12927	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4462	LDI13569	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5992	LDI13599	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3400	LDI12959	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5240a	LDI13543	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5679	LDI13555	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3298	LDI6817	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3370	LDI12951	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5246b	LDI13601	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6047	LDI13563	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4383	LDI13587	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6122	LDI14942	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3537	LDI12980	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4835	LDI14930	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4448	LDI13540	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5259	LDI13553	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex

C. coli	EC4978	LDI13598	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3348	LDI13547	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4910	LDI14937	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3505	LDI13548	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3786	LDI13546	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3490	LDI6768	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4808	LDI14933	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4530	LDI13590	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4473	LDI13575	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5338	LDI14939	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4709	LDI13562	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3533	LDI12967	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4951	LDI12976	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3390	LDI6754	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6049	LDI14934	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4685	LDI13600	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4393	LDI13544	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3575	LDI12975	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4593	LDI13596	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5531	LDI13565	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3322	LDI6827	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3619	LDI12945	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5806	LDI14929	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3879	LDI12950	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3389	LDI12928	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3385	LDI6799	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC6168	LDI13549	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4102	LDI13604	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3498	LDI6744	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4194	LDI12935	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3357	LDI6809	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4730	LDI12960	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4675	LDI13585	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5841	LDI13551	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3849	LDI12904	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4297	LDI14927	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex

C. coli	EC3731	LDI12918	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4868	LDI13564	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5604	LDI13558	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3615	LDI12897	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC5983	LDI14932	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3146	LDI6736	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4250	LDI13582	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4242	LDI13581	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4238	LDI14935	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H065100499	LDI9143	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN64	LDI6831	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p546D	LDI9138	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H132940658	LDI9938	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN119	LDI6788	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN72	LDI6794	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN288	LDI6738	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN292	LDI6829	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN59	LDI6811	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN293	LDI6802	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN71	LDI6804	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H140460193	LDI9193	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN60	LDI6740	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN154	LDI6764	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN153	LDI6756	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H053780444	LDI12978	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	UNQMCIIIS18a	LDI12911	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN182	LDI9181	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p568B	LDI12916	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H114640463a	LDI9150	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	SWAN392	LDI9162	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p635D	LDI9118	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p604B	LDI9157	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H040680225	LDI12924	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p635A	LDI9128	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H062180535	LDI12946	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p474A	LDI9124	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex

C. coli	p546B	LDI9115	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p546A	LDI9201	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H132760749	LDI12909	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	CCN120	LDI6739	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H072680465	LDI9906	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H111620356	LDI12932	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	p474C	LDI9125	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H084040382b	LDI9932	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H081940749	LDI9200	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC3952	LDI13576	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	EC4060	LDI12934	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H073180384	LDI9123	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H043900429	LDI9961	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H092260569a	LDI9904	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	H091320788	LDI9926	CL1-cluster A	33	39	30	82	104	56	17	827	ST-828 complex
C. coli	UNF491c	LDI12902	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	H062140681	LDI9955	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	SS_2234	LDI13615	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	SS_2261	LDI13606	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	SS_2263	LDI13608	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	SS_2252	LDI13609	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	SS_2246	LDI13618	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	SS_2283	LDI13630	CL1-cluster B	103	110	103	140	188	164	79	1487	ST-1150 complex
C. coli	SWAN249	LDI6743	CL1-cluster C	81	39	147	113	404	43	160	3308	none
C. coli	SWAN269	LDI9161	CL1-cluster C	81	39	147	113	404	43	160	3308	none
C. coli	p494A	LDI9148	CL1-cluster C	81	39	147	113	265	63	160	none	none
C. coli	H102680185	LDI9928	CL1-cluster C	81	86	87	113	270	238	152	3311	none
C. coli	SWAN333	LDI12894	CL1-cluster C	81	86	87	113	270	238	152	3311	none
C. coli	p568C	LDI9151	CL1-cluster C	81	86	87	113	270	238	152	3311	none
C. coli	SWAN342	LDI9169	CL1-cluster C	81	86	87	113	270	238	152	3311	none
C. coli	SWAN407	LDI6781	CL1-cluster C	81	86	87	113	270	238	152	3311	none
C. coli	SWAN393	LDI9160	CL1-cluster C	136	188	69	113	270	43	152	1771	none
C. coli	SWAN361	LDI9153	CL1-cluster C	135	188	69	113	276	43	152	1765	none
C. coli	SWAN195-1	LDI6735	CL1-cluster C	135	188	69	113	276	43	152	1765	none
C. coli	SWAN331	LDI6745	CL1-cluster C	135	188	69	113	276	43	152	1765	none
C. coli	H091320792	LDI12892	CL1-cluster C	81	104	69	113	143	43	67	1764	none

C. coli	NCTC13006	LDI6805	CL1-cluster C	72	104	69	113	143	128	67	1766	none
C. coli	H055260498	LDI6749	CL1-cluster C	81	104	69	113	143	43	67	1764	none
C. coli	SS_2268	LDI14945	CL1-cluster C	81	104	69	113	143	43	67	1764	none
C. coli	N11D1	LDI4908	CL1-cluster C	81	104	69	113	143	43	67	1764	none
C. coli	H085160740	LDI9197	CL1-cluster C	81	104	69	113	143	43	67	1764	none
C. coli	H081380701	LDI9954	CL1-cluster C	81	104	69	113	143	119	156	none	none
C. coli	SWAN254	LDI12979	CL1-cluster C	33	39	167	113	265	43	67	1986	none
C. coli	UNOR9553d	LDI9168	CL1-cluster C	33	39	167	113	265	43	67	1986	none
C. coli	SWAN261	LDI6759	CL1-cluster C	33	39	167	113	265	43	67	1986	none
C. coli	SWAN288	LDI6783	CL1-cluster C	33	39	88	113	265	43	67	3306	none
C. coli	H053320338	LDI12933	CL1-cluster C	81	155	30	265	231	220	93	2461	none
C. coli	SWAN308	LDI6751	CL2	86	86	88	245	288	129	238	3314	none
C. coli	H105160209	LDI9948	CL2	204	412	86	445	581	209	76	5494	none
C. coli	1718	LDI4911	CL2	88	86	86	198	162	126	75	none	none
C. coli	H054340287	LDI9898	CL2	137	412	189	124	162	129	76	none	none
C. coli	H091320798	LDI9141	CL2	137	412	189	124	162	129	76	none	none
C. coli	C8C3	LDI4906	CL2	86	86	393	124	402	126	230	none	none
C. coli	B15B3	LDI4900	CL2	130	273	86	124	756	126	95	none	none
C. coli	K11	LDI4905	CL2	130	86	87	124	327	131	76	none	none
C. coli	F15D2	LDI4898	CL2	86	86	88	102	164	130	76	1005	none
C. coli	UNOR14731d	LDI9166	CL2	86	440	86	276	471	126	156	none	none
C. coli	H091940890	LDI9869	CL2	142	86	88	124	164	129	76	none	none
C. coli	H094560718	LDI9142	CL2	130	598	88	276	327	484	95	none	none
C. coli	W17A	LDI12920	CL2	86	230	191	221	327	129	76	none	none
C. coli	W17C	LDI13552	CL2	86	230	191	221	327	129	76	none	none
C. coli	W17B	LDI13556	CL2	86	230	191	221	327	129	76	none	none
C. coli	W17D	LDI13577	CL2	86	230	191	221	327	129	76	none	none
C. coli	p515C	LDI9159	CL2	209	189	86	124	422	244	153	3828	none
C. coli	EC5640	LDI13571	CL2	130	240	87	276	335	126	194	7864	none
C. coli	EC5496	LDI14938	CL2	130	240	87	276	335	126	194	7864	none
C. coli	H043880653	LDI9893	CL2	130	177	87	276	335	126	194	none	none
C. coli	M2D2	LDI4907	CL2	130	177	88	198	160	238	76	none	none
C. coli	F5A2	LDI4901	CL2	86	86	86	124	166	129	76	1007	none
C. coli	A12B2	LDI4914	CL2	86	86	370	271	327	280	76	none	none
C. coli	H055260517	LDI12891	CL2	86	228	201	276	166	129	399	none	none
C. coli	H055260513	LDI9873	CL2	86	440	87	269	166	279	67	none	none



C. coli	SWAN325	LDI6791	CL2	33	281	87	269	327	279	95	none	none
C. coli	H093580632	LDI9922	CL2	130	440	87	503	660	524	76	none	none
C. coli	p474D	LDI9202	CL2	86	230	86	258	411	129	95	none	none
C. coli	SWAN409	LDI12965	CL2	130	275	87	315	402	126	95	3304	none
C. coli	SWAN337	LDI9152	CL2	86	189	86	259	287	236	76	2015	none
C. coli	CCN398	LDI9189	CL2	130	230	86	124	165	209	242	3319	none
C. coli	SWAN372	LDI9190	CL2	130	230	86	124	165	209	242	3319	none
C. coli	SWAN408	LDI6782	CL2	130	230	86	124	165	209	242	3319	none
C. coli	F14B4C4	LDI4913	CL2	130	189	87	258	277	129	153	1988	none
C. coli	M4A4	LDI4912	CL2	130	189	87	258	277	129	153	1988	none
C. coli	M5D4	LDI4897	CL2	130	189	87	258	277	129	153	1988	none
C. coli	H092560131	LDI9122	CL2	89	86	86	271	594	246	95	none	none
C. coli	H072760517	LDI9953	CL3	121	204	186	220	723	63	173	none	none
C. coli	H070380306	LDI9140	CL3	121	337	159	215	579	245	367	none	none
C. coli	H082280513	LDI12955	CL3	128	446	196	218	271	245	173	none	none
C. coli	H073220518	LDI9868	CL3	128	211	506	239	271	245	173	none	none
C. coli	O6C1	LDI4909	CL3	145	211	506	218	271	245	173	none	none
C. coli	H124500577	LDI9903	CL3	210	215	328	663	625	208	121	none	none
C. coli	H042280284	LDI9957	CL3	147	207	186	217	286	208	182	none	none
C. coli	H060960756	LDI6734	CL3	147	207	186	217	286	208	182	none	none
C. coli	H060960757	LDI6758	CL3	147	207	186	217	286	208	182	none	none
C. coli	H060740717	LDI6797	CL3	81	207	186	217	286	208	182	none	none
C. coli	H081840386	LDI9155	CL3	78	239	204	274	635	501	192	none	none
C. coli	H061980521b	LDI9879	CL3	78	239	204	274	635	501	192	none	none
C. coli	p494C	LDI9195	CL3	121	156	170	274	275	237	193	none	none
C. coli	p568A	LDI9163	CL3	138	166	144	262	230	191	121	none	none
C. coli	H102740169	LDI9929	CL3	146	492	196	220	317	245	192	none	none
C. coli	H085160749	LDI9149	CL3	146	492	196	220	317	245	192	none	none
C. coli	P635B	LDI9934	CL3	121	87	159	223	738	208	185	none	none
C. coli	H091000385	LDI9207	CL3	121	87	159	223	738	208	185	none	none
C. coli	H071960681	LDI9901	CL3	148	87	159	223	738	458	397	none	none
C. coli	H090980249	LDI9132	CL3	128	274	185		776	208	235	none	none
C. coli	H074080511	LDI9888	CL3	121	209	186		403	241	361	none	none
C. coli	H072620566	LDI9135	CL3	123	156	340	270	552	241	92	none	none
C. coli	H113760461	LDI9887	CL3		215	184	222	273	249	180	none	none
C. coli	H132840800	LDI9921	CL3	121	207	195	169	268	63	361	none	none

C. coli	SWAN264	LDI6775	CL3	210	278	236	318	406	329	157	3309	none
C. coli	H124620276a	LDI9905	CL3	335	433	376	182	627	208	375	6288	none
C. coli	H083420694	LDI9882	CL3	121		38	367	230	72	363	none	none
C. coli	D13A4	LDI4902	CL3	148	206	204	367	230	72	179	none	none
C. coli	H094560720	LDI9136	CL3	145	207	186	507	230	72	173	none	none
C. coli	H065100506	LDI9134	CL3	121	239	369	663	498	245	183	none	none
C. coli	H094860392	LDI12972	CL3	78	90			212	208	183	none	none
C. coli	H065160534	LDI9120	CL3	210	204	158	261	498	208	183	none	none
C. coli	H094560713	LDI9126	CL3	210	207	194	220	689	241	173	none	none
C. coli	H042840283	LDI9912	CL3	121	207	186	223	706	251	157	none	none
C. coli	H063720401	LDI9925	CL3	121	215	500	219	285	208	94	none	none
C. coli	H082560569	LDI12922	CL3	121	91	210	218	282	208	183	none	none
C. coli	H093580324	LDI9127	CL3	335	88	185	367	324	549	123	none	none
C. coli	H082280515	LDI12947	CL3	121	215		226	267	496	183	none	none
C. coli	C9A1	LDI4896	CL3	162	215	369	224	249	208	184	none	none
C. coli	H133380250	LDI9952	CL3	217	277	336	219	403	328	173	none	none
C. coli	H083420701	LDI9871	CL3	210	215	170	215	758	208	324	none	none
C. coli	H075140555	LDI9117	CL3	145	337		219	630	477	185	none	none
C. coli	H073180383	LDI12940	CL3	121	207	187	219	498	576	324	none	none
C. coli	H073580401	LDI12956	CL3	121	88	196	507	252	208	183	none	none
C. coli	H085160742	LDI9121	CL3	145	337	233	182	535	245	363	none	none
C. coli	H053120426	LDI9196	CL3	145	492	233	182	706	245	363	none	none
C. coli	H043560441	LDI9896	CL3	145	465	233	182	535	245	363	none	none
C. coli	H074080509	LDI9876	CL3	128	400	186	455	267	208	359	none	none
C. coli	H092260569b	LDI9909	CL3	147	47	126	182	281	252	192	none	none
C. coli	H061680633	LDI9205	CL3	138	68	170	223	326	248	161	none	none
C. coli	H110340458	LDI9941	CL3	121	215	233	568	286	619	324	none	none
C. coli	H081380695a	LDI9203	CL3	121	215	330	263	630	241	363	none	none
C. coli	H051960469	LDI9900	CL3	357	207	233	223	669	191	181	none	none
C. coli	H075200522	LDI9198	CL3	128	238	202	217	329	469	336	none	none
C. coli	K3D1	LDI4899	CL3	121	498	202	568	776	477	415	none	none
C. coli	EC6147	LDI13557	CL3	121	204	198	486	707	241	173	none	none

**Supplementary Table S3.** Sequencing and genome assembly statistics, and accession numbers of EBI/ENA and Campylobacter PubMLST databases

species	Sample code	Isolate name	Clade	# contigs	Total length	Largest contig	GC (%)	N50	N75	L50	L75	Code	Sample accession	Experiment accession	Run accession	Analysis accession	ENA accession numbers of contigs	annotation	PubMLST ID
C. coli	LDI12893	H102380405	CL1-cluster A	63	1,798,546	345,227	31.02	141,617	57,957	4.0	9.0	SAMEA3683001	ERS990150	ERX1236794	ERR1163387	ERZ237798	FAYB01000001-FAYB01000063	IFRCC03	43937
C. coli	LDI12895	EC3735	CL1-cluster A	28	1,660,613	346,679	31.36	163,623	99,999	4.0	7.0	SAMEA3683003	ERS990152	ERX1236796	ERR1163389	ERZ237800	FAXT01000001-FAXT01000028	IFRCC05	43939
C. coli	LDI12896	EC3525	CL1-cluster A	23	1,659,822	346,305	31.35	266,084	129,142	3.0	5.0	SAMEA3683004	ERS990153	ERX1236797	ERR1163390	ERZ237801	FAYA01000001-FAYA01000023	IFRCC06	43940
C. coli	LDI12897	EC3615	CL1-cluster A	25	1,751,172	421,961	31.20	169,636	125,823	3.0	6.0	SAMEA3683005	ERS990154	ERX1236798	ERR1163391	ERZ237802	FAYJ01000001-FAYJ01000025	IFRCC07	43941
C. coli	LDI12898	H060260417	CL1-cluster A	64	1,824,074	265,787	31.05	128,634	74,120	5.0	10.0	SAMEA3683006	ERS990155	ERX1236799	ERR1163392	ERZ237803	FAXS01000001-FAXS01000064	IFRCC08	43942
C. coli	LDI12899	H112160325	CL1-cluster A	36	1,660,708	343,386	31.37	255,836	166,206	3.0	5.0	SAMEA3683007	ERS990156	ERX1236800	ERR1163393	ERZ237804	FAXY01000001-FAXY01000036	IFRCC09	43943
C. coli	LDI12900	p495B	CL1-cluster A	12	1,637,844	425,397	31.41	169,608	130,546	3.0	6.0	SAMEA3683008	ERS990157	ERX1236801	ERR1163394	ERZ237805	FAXU01000001-FAXU01000012	IFRCC10	43944
C. coli	LDI12901	H133020651a	CL1-cluster A	18	1,638,295	289,896	31.42	165,617	106,112	4.0	7.0	SAMEA3683009	ERS990158	ERX1236802	ERR1163395	ERZ237806	FAYK01000001-FAYK01000018	IFRCC11	43945
C. coli	LDI12903	EC5726	CL1-cluster A	18	1,749,705	526,602	31.20	478,925	224,322	2.0	4.0	SAMEA3683011	ERS990160	ERX1236804	ERR1163397	ERZ237808	FAYM01000001-FAYM01000018	IFRCC13	43947
C. coli	LDI12904	EC3849	CL1-cluster A	19	1,659,730	406,214	31.35	265,712	125,572	3.0	5.0	SAMEA3683012	ERS990161	ERX1236805	ERR1163398	ERZ237809	FAXR01000001-FAXR01000019	IFRCC14	43948
C. coli	LDI12905	EC4214	CL1-cluster A	23	1,659,947	346,313	31.36	265,735	163,630	3.0	5.0	SAMEA3683013	ERS990162	ERX1236806	ERR1163399	ERZ237810	FAXQ01000001-FAXQ01000023	IFRCC15	43949
C. coli	LDI12906	H110420358	CL1-cluster A	41	1,715,937	383,858	31.33	141,761	86,927	4.0	7.0	SAMEA3683014	ERS990163	ERX1236807	ERR1163400	ERZ237811	FAYG01000001-FAYG01000041	IFRCC16	43950
C. coli	LDI12907	H120880380	CL1-cluster A	68	1,813,985	408,232	31.02	209,263	138,718	3.0	6.0	SAMEA3683015	ERS990164	ERX1236808	ERR1163401	ERZ237812	FAYN01000001-FAYN01000068	IFRCC17	43951
C. coli	LDI12908	H043200357	CL1-cluster A	53	1,739,213	246,205	31.28	141,500	106,316	5.0	9.0	SAMEA3683016	ERS990165	ERX1236809	ERR1163402	ERZ237813	FAYD01000001-FAYD01000053	IFRCC18	43952
C. coli	LDI12909	H132760749	CL1-cluster A	29	1,659,599	397,966	31.38	169,511	129,261	3.0	6.0	SAMEA3683017	ERS990166	ERX1236810	ERR1163403	ERZ237814	FAYP01000001-FAYP01000029	IFRCC19	43953
C. coli	LDI12910	EC3474	CL1-cluster A	24	1,660,544	346,586	31.35	169,637	125,543	4.0	6.0	SAMEA3683018	ERS990167	ERX1236811	ERR1163404	ERZ237815	FAXV01000001-FAXV01000024	IFRCC20	43954
C. coli	LDI12911	UNQMCIS18a	CL1-cluster A	29	1,734,142	346,617	31.29	163,637	88,624	4.0	7.0	SAMEA3683019	ERS990168	ERX1236812	ERR1163405	ERZ237816	FAYE01000001-FAYE01000029	IFRCC21	43955
C. coli	LDI12912	EC3501	CL1-cluster A	22	1,660,004	346,642	31.35	225,968	163,652	3.0	6.0	SAMEA3683020	ERS990169	ERX1236813	ERR1163406	ERZ237817	FAYH01000001-FAYH01000022	IFRCC22	43956
C. coli	LDI12913	EC5479	CL1-cluster A	21	1,660,520	441,161	31.36	401,851	128,094	2.0	5.0	SAMEA3683021	ERS990170	ERX1236814	ERR1163407	ERZ237818	FAYI01000001-FAYI01000021	IFRCC23	43957
C. coli	LDI12914	H104860240	CL1-cluster A	40	1,903,602	352,624	30.90	173,587	107,756	4.0	7.0	SAMEA3683022	ERS990171	ERX1236815	ERR1163408	ERZ237819	FAXW01000001-FAXW01000040	IFRCC24	43958
C. coli	LDI12915	H102240161	CL1-cluster A	13	1,684,109	336,604	31.32	265,681	154,112	3.0	6.0	SAMEA3683023	ERS990172	ERX1236816	ERR1163409	ERZ237820	FAYC01000001-FAYC01000013	IFRCC25	43959
C. coli	LDI12916	p568B	CL1-cluster A	17	1,685,894	416,117	31.33	265,736	132,412	3.0	5.0	SAMEA3683024	ERS990173	ERX1236817	ERR1163410	ERZ237821	FAXX01000001-FAXX01000017	IFRCC26	43960
C. coli	LDI12917	H131800148	CL1-cluster A	28	1,681,277	355,430	31.33	264,637	106,473	3.0	6.0	SAMEA3683025	ERS990174	ERX1236818	ERR1163411	ERZ237822	FAYF01000001-FAYF01000028	IFRCC27	43961
C. coli	LDI12918	EC3731	CL1-cluster A	24	1,750,329	441,200	31.21	265,739	100,479	3.0	6.0	SAMEA3683026	ERS990175	ERX1236819	ERR1163412	ERZ237823	FAZA01000001-FAZA01000024	IFRCC28	43962
C. coli	LDI12919	H081820599a	CL1-cluster A	71	1,864,599	368,104	30.92	136,250	87,489	5.0	9.0	SAMEA3683027	ERS990176	ERX1236820	ERR1163413	ERZ237824	FAZL01000001-FAZL01000071	IFRCC29	43963
C. coli	LDI12921	EC3607	CL1-cluster A	23	1,659,934	352,013	31.36	265,732	128,110	3.0	5.0	SAMEA3683029	ERS990178	ERX1236822	ERR1163415	ERZ237826	FAYZ01000001-FAYZ01000023	IFRCC31	43965
C. coli	LDI12923	H095340114a	CL1-cluster A	15	1,684,290	499,246	31.33	266,056	123,053	3.0	5.0	SAMEA3683031	ERS990180	ERX1236824	ERR1163417	ERZ237828	FAZE01000001-FAZE01000015	IFRCC33	43967
C. coli	LDI12924	H040680225	CL1-cluster A	21	1,661,519	346,630	31.38	265,736	129,702	3.0	5.0	SAMEA3683032	ERS990181	ERX1236825	ERR1163418	ERZ237829	FAYW01000001-FAYW01000021	IFRCC34	43968
C. coli	LDI12925	H132340486	CL1-cluster A	27	1,684,780	416,085	31.33	175,781	132,408	3.0	6.0	SAMEA3683033	ERS990182	ERX1236826	ERR1163419	ERZ237830	FAZC01000001-FAZC01000027	IFRCC35	43969
C. coli	LDI12926	EC3756	CL1-cluster A	18	1,660,178	421,945	31.36	169,625	128,580	3.0	6.0	SAMEA3683034	ERS990183	ERX1236827	ERR1163420	ERZ237831	FAZK01000001-FAZK01000018	IFRCC36	43970
C. coli	LDI12927	EC3529	CL1-cluster A	25	1,660,550	436,079	31.35	226,274	129,135	3.0	5.0	SAMEA3683035	ERS990184	ERX1236828	ERR1163421	ERZ237832	FAZB01000001-FAZB01000025	IFRCC37	43971
C. coli	LDI12928	EC3389	CL1-cluster A	22	1,660,297	482,758	31.36	169,632	125,861	3.0	5.0	SAMEA3683036	ERS990185	ERX1236829	ERR1163422	ERZ237833	FAZG01000001-FAZG01000022	IFRCC38	43972
C. coli	LDI12929	EC3748	CL1-cluster A	23	1,660,060	440,773	31.35	265,735	125,539	3.0	5.0	SAMEA3683037	ERS990186	ERX1236830	ERR1163423	ERZ237834	FAYT01000001-FAYT01000023	IFRCC39	43973
C. coli	LDI12930	H130600457	CL1-cluster A	32	1,720,910	617,542	31.14	343,835	172,529	2.0	4.0	SAMEA3683038	ERS990187	ERX1236831	ERR1163424	ERZ237835	FAYU01000001-FAYU01000032	IFRCC40	43974
C. coli	LDI12931	H121240507	CL1-cluster A	32	1,685,714	417,549	31.35	264,511	143,779	3.0	5.0	SAMEA3683039	ERS990188	ERX1236832	ERR1163425	ERZ237836	FAZF01000001-FAZF01000032	IFRCC41	43975
C. coli	LDI12932	H111620356	CL1-cluster A	25	1,659,394	416,443	31.38	169,657	129,133	3.0	6.0	SAMEA3683040	ERS990189	ERX1236833	ERR1163426	ERZ237837	FAYY01000001-FAYY01000025	IFRCC42	43976
C. coli	LDI12934	EC4060	CL1-cluster A	20	1,659,949	416,675	31.38	237,391	129,389	3.0	6.0	SAMEA3683042	ERS990191	ERX1236835	ERR1163428	ERZ237839	FAYU01000001-FAYU01000020	IFRCC44	43978
C. coli	LDI12935	EC4194	CL1-cluster A	21	1,750,380	440,989	31.20	203,009	128,402	3.0	6.0	SAMEA3683043	ERS990192	ERX1236836	ERR1163429	ERZ237840	FAZJ01000001-FAZJ01000021	IFRCC45	43979
C. coli	LDI12936	EC3369	CL1-cluster A	23	1,660,064	346,643	31.36	265,737	125,539	3.0	5.0	SAMEA3683044	ERS990193	ERX1236837	ERR1163430	ERZ237841	FAYQ01000001-FAYQ01000023	IFRCC46	43980
C. coli	LDI12937	EC3338	CL1-cluster A	19	1,659,793	346,291	31.35	169,619	128,078	4.0	6.0	SAMEA3683045	ERS990194	ERX1236838	ERR1163431	ERZ237842	FAYS01000001-FAYS01000019	IFRCC47	43981
C. coli	LDI12938	H102520382	CL1-cluster A	44	1,828,206	473,780	31.12	183,850	85,883	3.0	7.0	SAMEA3683046	ERS990195	ERX1236839	ERR1163432	ERZ237843	FAZD01000001-FAZD01000044	IFRCC48	43982
C. coli	LDI12939	p515D	CL1-cluster A	15	1,637,780	487,930	31.41	440,750	162,654	2.0	4.0	SAMEA3683047	ERS990196	ERX1236840	ERR1163433	ERZ237844	FAZH01000001-FAZH01000015	IFRCC49	43983
C. coli	LDI12941	H044040580	CL1-cluster A	86	1,863,894	278,545	30.93	137,776	70,124	5.0	9.0	SAMEA3683049	ERS990198	ERX1236842	ERR1163435	ERZ237846	FAZN01000001-FAZN01000086	IFRCC51	43985
C. coli	LDI12942	EC3956	CL1-cluster A	20	1,659,291	441,325	31.36	237,274	169,618	3.0	5.0	SAMEA3683050	ERS990199	ERX1236843	ERR1163436	ERZ237847	FAZP01000001-FAZP01000020	IFRCC52	43986
C. coli	LDI12943	EC3875	CL1-cluster A	22	1,641,985	440,767	31.38	169,625	129,452	3.0	6.0	SAMEA3683051	ERS990200	ERX1236844	ERR1163437	ERZ237848	FAZU01000001-FAZU01000022	IFRCC53	43987
C. coli	LDI12944	EC3727	CL1-cluster A	27	1,642,937	346,287	31.38	163,653	128,426	4.0	7.0	SAMEA3683052	ERS990201	ERX1236845	ERR1163438	ERZ237849	FAZQ01000001-FAZQ01000027	IFRCC54	43988
C. coli	LDI12945	EC3619	CL1-cluster A	23	1,661,204	440,545	31.35	236,061	125,974	3.0	6.0	SAMEA3683053	ERS990202	ERX1236846	ERR1163439	ERZ237850	FAZR01000001-FAZR01000023	IFRCC55	43989
C. coli	LDI12946	H062180535	CL1-cluster A	22	1,686,175	479,421	31.35	436,334	129,145	2.0	5.0	SAMEA3683054	ERS990203	ERX1236847	ERR1163440	ERZ237851	FAZV01000001-FAZV01000022	IFRCC56	43990
C. coli	LDI12948	H120880379	CL1-cluster A	54	1,809,457	469,050	31.00	143,639	81,698	3.0	7.0	SAMEA3683056	ERS990205	ERX1236849	ERR1163442	ERZ237853	FAZX01000001-FAZX01000054	IFRCC58	43992
C. coli	LDI12949	H105280404	CL1-cluster A	22	1,729,117	460,487	31.32	264,684	221,447	3.0	4.0	SAMEA3683057	ERS990206	ERX1236850	ERR1163443	ERZ237854	FAZS01000001-FAZS01000022	IFRCC59	43993
C. coli	LDI12950	EC3879	CL1-cluster A	19	1,750,787	440,873	31.20	305,689											

C. coli	LDI12963	H132760143	CL1-cluster A	71	1,870,320	218,398	30.93	136,245	68,817	6.0	10.0	SAMEA3683071	ERS990220	ERX1236864	ERR1163457	ERZ237868	FBAI01000001-FBAI01000071	IFRCC73	44007
C. coli	LDI12964	H132580228	CL1-cluster A	102	1,835,681	344,763	30.96	294,016	67,929	3.0	6.0	SAMEA3683072	ERS990221	ERX1236865	ERR1163458	ERZ237869	FBAS01000001-FBAS01000102	IFRCC74	44008
C. coli	LDI12966	EC3631	CL1-cluster A	21	1,659,965	346,303	31.36	235,957	125,826	3.0	6.0	SAMEA3683074	ERS990223	ERX1236867	ERR1163460	ERZ237871	FBAQ01000001-FBAQ01000021	IFRCC76	44010
C. coli	LDI12967	EC3533	CL1-cluster A	22	1,660,792	346,655	31.36	266,074	125,522	3.0	5.0	SAMEA3683075	ERS990224	ERX1236868	ERR1163461	ERZ237872	FBAE01000001-FBAE01000022	IFRCC77	44011
C. coli	LDI12968	EC3782	CL1-cluster A	25	1,660,174	346,283	31.35	163,643	125,534	4.0	7.0	SAMEA3683076	ERS990225	ERX1236869	ERR1163462	ERZ237873	FBAD01000001-FBAD01000025	IFRCC78	44012
C. coli	LDI12969	EC3725	CL1-cluster A	24	1,660,761	441,922	31.35	226,908	163,644	3.0	5.0	SAMEA3683077	ERS990226	ERX1236870	ERR1163463	ERZ237874	FBAV01000001-FBAV01000024	IFRCC79	44013
C. coli	LDI12970	H044220458	CL1-cluster A	53	1,798,551	354,886	31.03	276,511	172,867	3.0	6.0	SAMEA3683078	ERS990227	ERX1236871	ERR1163464	ERZ237875	FBAP01000001-FBAP01000053	IFRCC80	44014
C. coli	LDI12971	H103060185	CL1-cluster A	54	1,795,140	360,344	31.01	329,148	131,991	3.0	5.0	SAMEA3683079	ERS990228	ERX1236872	ERR1163465	ERZ237876	FBAG01000001-FBAG01000054	IFRCC81	44015
C. coli	LDI12973	p515A	CL1-cluster A	17	1,639,700	458,750	31.42	169,617	112,381	3.0	6.0	SAMEA3683081	ERS990230	ERX1236874	ERR1163467	ERZ237878	FBAM01000001-FBAM01000017	IFRCC83	44017
C. coli	LDI12974	EC3713	CL1-cluster A	18	1,750,865	475,684	31.20	203,336	129,445	3.0	5.0	SAMEA3683082	ERS990231	ERX1236875	ERR1163468	ERZ237879	FBAU01000001-FBAU01000018	IFRCC84	44018
C. coli	LDI12975	EC3575	CL1-cluster A	19	1,658,785	346,308	31.35	265,727	128,096	3.0	5.0	SAMEA3683083	ERS990232	ERX1236876	ERR1163469	ERZ237880	FBAR01000001-FBAR01000019	IFRCC85	44019
C. coli	LDI12976	EC4951	CL1-cluster A	19	1,659,932	346,274	31.35	266,085	102,224	3.0	6.0	SAMEA3683084	ERS990233	ERX1236877	ERR1163470	ERZ237881	FBAX01000001-FBAX01000019	IFRCC86	44020
C. coli	LDI12977	EC3521	CL1-cluster A	15	1,660,061	449,342	31.36	237,278	129,420	3.0	5.0	SAMEA3683085	ERS990234	ERX1236878	ERR1163471	ERZ237882	FBAN01000001-FBAN01000015	IFRCC87	44021
C. coli	LDI12978	H053780444	CL1-cluster A	19	1,659,657	346,604	31.38	235,742	133,200	3.0	6.0	SAMEA3683086	ERS990235	ERX1236879	ERR1163472	ERZ237883	FBBB01000001-FBBB01000019	IFRCC88	44022
C. coli	LDI12980	EC3537	CL1-cluster A	24	1,660,980	346,292	31.35	266,092	125,864	3.0	6.0	SAMEA3683088	ERS990237	ERX1236881	ERR1163474	ERZ237885	FBBA01000001-FBBA01000024	IFRCC90	44024
C. coli	LDI12981	EC3444	CL1-cluster A	22	1,660,589	440,985	31.35	209,963	169,630	3.0	5.0	SAMEA3683089	ERS990238	ERX1236882	ERR1163475	ERZ237886	FBBE01000001-FBBE01000022	IFRCC91	44025
C. coli	LDI13538	H133040289	CL1-cluster A	94	1,864,346	366,000	30.82	136,086	84,045	5.0	9.0	SAMEA3683090	ERS990239	ERX1236883	ERR1163476	ERZ237887	FBBI01000001-FBBI01000094	IFRCC92	44026
C. coli	LDI13539	H072820535	CL1-cluster A	25	1,760,909	259,402	31.19	173,728	152,192	5.0	7.0	SAMEA3683091	ERS990240	ERX1236884	ERR1163477	ERZ237888	FBBC01000001-FBBC01000025	IFRCC93	44027
C. coli	LDI13540	EC4448	CL1-cluster A	24	1,659,710	380,596	31.36	163,691	105,310	4.0	7.0	SAMEA3683092	ERS990241	ERX1236885	ERR1163478	ERZ237889	FBAZ01000001-FBAZ01000024	IFRCC94	44028
C. coli	LDI13542	EC6016	CL1-cluster A	23	1,750,548	346,554	31.20	169,627	106,758	4.0	7.0	SAMEA3683093	ERS990242	ERX1236886	ERR1163479	ERZ237890	FBBF01000001-FBBF01000023	IFRCC95	44029
C. coli	LDI13543	EC5240a	CL1-cluster A	23	1,659,835	442,268	31.36	163,645	125,533	3.0	6.0	SAMEA3683094	ERS990243	ERX1236887	ERR1163480	ERZ237891	FBBG01000001-FBBG01000023	IFRCC96	44030
C. coli	LDI13544	EC4393	CL1-cluster A	26	1,660,976	346,285	31.35	163,601	100,136	4.0	7.0	SAMEA3683095	ERS990244	ERX1236888	ERR1163481	ERZ237892	FBAY01000001-FBAY01000026	IFRCC97	44031
C. coli	LDI13545	EC3940	CL1-cluster A	25	1,660,231	360,256	31.36	265,718	125,539	3.0	5.0	SAMEA3683096	ERS990245	ERX1236889	ERR1163482	ERZ237893	FBBK01000001-FBBK01000025	IFRCC98	44032
C. coli	LDI13546	EC3786	CL1-cluster A	28	1,660,501	346,651	31.36	237,270	125,522	3.0	6.0	SAMEA3683097	ERS990246	ERX1236890	ERR1163483	ERZ237894	FBBH01000001-FBBH01000028	IFRCC99	44033
C. coli	LDI13547	EC3348	CL1-cluster A	21	1,660,214	346,276	31.36	237,263	128,091	3.0	6.0	SAMEA3683098	ERS990247	ERX1236891	ERR1163484	ERZ237895	FBBD01000001-FBBD01000021	IFRCC100	44034
C. coli	LDI13548	EC3505	CL1-cluster A	19	1,660,261	346,653	31.36	265,727	184,029	3.0	5.0	SAMEA3683099	ERS990248	ERX1236892	ERR1163485	ERZ237896	FBBL01000001-FBBL01000019	IFRCC101	44035
C. coli	LDI13549	EC6168	CL1-cluster A	20	1,659,746	352,015	31.36	266,084	163,640	3.0	5.0	SAMEA3683100	ERS990249	ERX1236893	ERR1163486	ERZ237897	FBBM01000001-FBBM01000020	IFRCC102	44036
C. coli	LDI13550	EC6158	CL1-cluster A	18	1,733,792	477,036	31.25	175,648	163,650	3.0	5.0	SAMEA3683101	ERS990250	ERX1236894	ERR1163487	ERZ237898	FBBN01000001-FBBN01000018	IFRCC103	44037
C. coli	LDI13551	EC5841	CL1-cluster A	25	1,750,790	356,610	31.20	339,885	125,522	3.0	5.0	SAMEA3683102	ERS990251	ERX1236895	ERR1163488	ERZ237899	FBBP01000001-FBBP01000025	IFRCC104	44038
C. coli	LDI13553	EC5259	CL1-cluster A	24	1,659,861	346,573	31.36	266,078	102,568	3.0	6.0	SAMEA3683104	ERS990253	ERX1236897	ERR1163490	ERZ237901	FBBO01000001-FBBO01000024	IFRCC106	44040
C. coli	LDI13554	EC6203	CL1-cluster A	37	1,753,960	346,295	31.20	164,279	102,563	5.0	8.0	SAMEA3683105	ERS990254	ERX1236898	ERR1163491	ERZ237902	FBBT01000001-FBBT01000037	IFRCC107	44041
C. coli	LDI13555	EC5679	CL1-cluster A	26	1,750,810	346,643	31.20	153,038	128,375	5.0	8.0	SAMEA3683106	ERS990255	ERX1236899	ERR1163492	ERZ237903	FBBR01000001-FBBR01000026	IFRCC108	44042
C. coli	LDI13558	EC5604	CL1-cluster A	21	1,659,354	446,006	31.36	183,814	163,641	3.0	5.0	SAMEA3683109	ERS990258	ERX1236902	ERR1163495	ERZ237906	FBBV01000001-FBBV01000021	IFRCC111	44045
C. coli	LDI13559	EC5850	CL1-cluster A	26	1,750,978	537,414	31.20	346,308	100,005	2.0	6.0	SAMEA3683110	ERS990259	ERX1236903	ERR1163496	ERZ237907	FBBX01000001-FBBX01000026	IFRCC112	44046
C. coli	LDI13560	EC5923	CL1-cluster A	27	1,748,697	346,289	31.20	150,845	125,788	5.0	8.0	SAMEA3683111	ERS990260	ERX1236904	ERR1163497	ERZ237908	FBBY01000001-FBBY01000027	IFRCC113	44047
C. coli	LDI13561	EC6124	CL1-cluster A	23	1,732,905	526,876	31.22	346,293	128,110	2.0	5.0	SAMEA3683112	ERS990261	ERX1236905	ERR1163498	ERZ237909	FBCE01000001-FBCE01000023	IFRCC114	44048
C. coli	LDI13562	EC4709	CL1-cluster A	22	1,750,074	346,276	31.20	194,443	169,632	4.0	6.0	SAMEA3683113	ERS990262	ERX1236906	ERR1163499	ERZ237910	FBCD01000001-FBCD01000022	IFRCC115	44049
C. coli	LDI13563	EC6047	CL1-cluster A	23	1,659,543	346,311	31.35	265,723	102,119	3.0	6.0	SAMEA3683114	ERS990263	ERX1236907	ERR1163500	ERZ237911	FBCA01000001-FBCA01000023	IFRCC116	44050
C. coli	LDI13564	EC4868	CL1-cluster A	21	1,660,700	441,156	31.35	169,631	128,597	3.0	6.0	SAMEA3683115	ERS990264	ERX1236908	ERR1163501	ERZ237912	FBCB01000001-FBCB01000021	IFRCC117	44051
C. coli	LDI13565	EC5531	CL1-cluster A	24	1,659,602	346,294	31.35	169,641	104,019	4.0	7.0	SAMEA3683116	ERS990265	ERX1236909	ERR1163502	ERZ237913	FBBZ01000001-FBBZ01000024	IFRCC118	44052
C. coli	LDI13566	EC5246a	CL1-cluster A	27	1,660,806	346,304	31.35	265,731	125,614	3.0	6.0	SAMEA3683117	ERS990266	ERX1236910	ERR1163503	ERZ237914	FBBW01000001-FBBW01000027	IFRCC119	44053
C. coli	LDI13567	EC6304	CL1-cluster A	19	1,749,786	356,609	31.20	339,994	129,171	3.0	5.0	SAMEA3683118	ERS990267	ERX1236911	ERR1163504	ERZ237915	FBBC01000001-FBBC01000019	IFRCC120	44054
C. coli	LDI13568	EC5905	CL1-cluster A	22	1,748,972	423,321	31.21	339,878	128,268	3.0	5.0	SAMEA3683119	ERS990268	ERX1236912	ERR1163505	ERZ237916	FBCF01000001-FBCF01000022	IFRCC121	44055
C. coli	LDI13569	EC4462	CL1-cluster A	25	1,660,675	346,670	31.35	218,345	125,667	3.0	6.0	SAMEA3683120	ERS990269	ERX1236913	ERR1163506	ERZ237917	FBCG01000001-FBCG01000025	IFRCC122	44056
C. coli	LDI13570	EC3397	CL1-cluster A	26	1,661,031	441,244	31.35	169,716	125,853	3.0	6.0	SAMEA3683121	ERS990270	ERX1236914	ERR1163507	ERZ237918	FBCQ01000001-FBCQ01000026	IFRCC123	44057
C. coli	LDI13572	EC4356	CL1-cluster A	25	1,660,669	440,803	31.35	237,482	125,826	3.0	6.0	SAMEA3683123	ERS990272	ERX1236916	ERR1163509	ERZ237920	FBCI01000001-FBCI01000025	IFRCC125	44059
C. coli	LDI13573	EC4287	CL1-cluster A	28	1,660,959	436,331	31.35	169,620	100,006	3.0	6.0	SAMEA3683124	ERS990273	ERX1236917	ERR1163510	ERZ237921	FBCJ01000001-FBCJ01000028	IFRCC126	44060
C. coli	LDI13574	EC4258	CL1-cluster A	20	1,750,655	347,308	31.20	183,772	141,341	3.0	6.0	SAMEA3683125	ERS990274	ERX1236918	ERR1163511	ERZ237922	FBCM01000001-FBCM01000020	IFRCC127	44061
C. coli	LDI13575	EC4473	CL1-cluster A	19	1,659,961	346,676	31.36	218,200	129,253	3.0	6.0	SAMEA3683126	ERS990275	ERX1236919	ERR1163512	ERZ237923	FBCJ01000001-FBCJ01000019	IFRCC128	44062
C. coli	LDI13576	EC3952	CL1-cluster A	22	1,660,657	435,987	31.37	416,073	169,644	2.0	4.0	SAMEA3683127	ERS990276	ERX1236920	ERR1163513	ERZ237924	FBCP01000001-FBCP01000022	IFRCC129	44063
C. coli	LDI13578	EC3611	CL1-cluster A	21	1,660,714	442,296	31.35	402,149	128,426	2.0	5.0	SAMEA3683129	ERS990278	ERX1236922	ERR1163515	ERZ237926	FBCL01000001-FBCL01000021	IFRCC131	44065
C. coli	LDI13579	EC5947	CL1-cluster A	24	1,751,154	356,262	31.20	339,891	125,534	3.0	6.0	SAMEA3683130	ERS990279	ERX1236923					

C. coli	LDI13592	EC6299	CL1-cluster A	23	1,750,600	581,173	31.20	346,569	125,768	2.0	5.0	SAMEA3683143	ERS990292	ERX1236936	ERR1163529	ERZ237940	FBDFO1000001-FBDF01000023	IFRCC145	44079
C. coli	LDI13593	EC3623	CL1-cluster A	19	1,659,224	346,310	31.35	266,084	130,320	3.0	5.0	SAMEA3683144	ERS990293	ERX1236937	ERR1163530	ERZ237941	FBDC01000001-FBDC01000019	IFRCC146	44080
C. coli	LDI13594	EC4277	CL1-cluster A	25	1,660,424	442,400	31.36	163,674	100,000	3.0	6.0	SAMEA3683145	ERS990294	ERX1236938	ERR1163531	ERZ237942	FBDE01000001-FBDE01000025	IFRCC147	44081
C. coli	LDI13595	EC4768	CL1-cluster A	22	1,659,610	440,770	31.36	182,701	129,112	3.0	6.0	SAMEA3683146	ERS990295	ERX1236939	ERR1163532	ERZ237943	FBDG01000001-FBDG01000022	IFRCC148	44082
C. coli	LDI13596	EC4593	CL1-cluster A	21	1,750,729	346,584	31.20	226,317	129,131	3.0	6.0	SAMEA3683147	ERS990296	ERX1236940	ERR1163533	ERZ237944	FBDH01000001-FBDH01000021	IFRCC149	44083
C. coli	LDI13597	EC5240b	CL1-cluster A	21	1,660,163	346,306	31.36	169,627	128,410	3.0	6.0	SAMEA3683148	ERS990297	ERX1236941	ERR1163534	ERZ237945	FBDI01000001-FBDI01000021	IFRCC150	44084
C. coli	LDI13598	EC4978	CL1-cluster A	21	1,750,430	356,264	31.21	290,513	128,938	3.0	6.0	SAMEA3683149	ERS990298	ERX1236942	ERR1163535	ERZ237946	FBDJ01000001-FBDJ01000021	IFRCC151	44085
C. coli	LDI13599	EC5992	CL1-cluster A	31	1,754,939	356,341	31.20	144,387	94,634	4.0	7.0	SAMEA3683150	ERS990299	ERX1236943	ERR1163536	ERZ237947	FBDL01000001-FBDL01000031	IFRCC152	44086
C. coli	LDI13600	EC4685	CL1-cluster A	23	1,660,687	346,629	31.36	265,735	125,853	3.0	6.0	SAMEA3683151	ERS990300	ERX1236944	ERR1163537	ERZ237948	FBDK01000001-FBDK01000023	IFRCC153	44087
C. coli	LDI13601	EC5246b	CL1-cluster A	24	1,660,274	441,129	31.36	169,749	125,821	3.0	6.0	SAMEA3683152	ERS990301	ERX1236945	ERR1163538	ERZ237949	FBDM01000001-FBDM01000024	IFRCC154	44088
C. coli	LDI13602	EC3689	CL1-cluster A	23	1,659,596	346,282	31.35	169,631	129,145	4.0	6.0	SAMEA3683153	ERS990302	ERX1236946	ERR1163539	ERZ237950	FBDN01000001-FBDN01000023	IFRCC155	44089
C. coli	LDI13603	EC5183	CL1-cluster A	17	1,748,140	469,984	31.21	423,498	225,986	2.0	4.0	SAMEA3683154	ERS990303	ERX1236947	ERR1163540	ERZ237951	FBDO01000001-FBDO01000017	IFRCC156	44090
C. coli	LDI13604	EC4102	CL1-cluster A	23	1,750,216	475,746	31.20	192,203	129,173	3.0	6.0	SAMEA3683155	ERS990304	ERX1236948	ERR1163541	ERZ237952	FBDR01000001-FBDR01000023	IFRCC157	44091
C. coli	LDI13605	EC3721	CL1-cluster A	19	1,660,051	360,374	31.35	265,729	141,419	3.0	5.0	SAMEA3683156	ERS990305	ERX1236949	ERR1163542	ERZ237953	FBDP01000001-FBDP01000019	IFRCC158	44092
C. coli	LDI13607	SS_2295	CL1-cluster A	28	1,648,168	434,683	31.38	391,416	130,204	2.0	5.0	SAMEA3683158	ERS990307	ERX1236951	ERR1163544	ERZ237955	FBDS01000001-FBDS01000028	IFRCC160	44094
C. coli	LDI13610	SS_2284	CL1-cluster A	328	1,975,263	138,229	31.13	31,822	15,347	16.0	37.0	SAMEA3683161	ERS990310	ERX1236954	ERR1163547	ERZ237958	FBDX01000001-FBDX01000328	IFRCC163	44097
C. coli	LDI13611	SS_2357	CL1-cluster A	41	1,745,492	382,282	31.27	165,271	120,470	4.0	7.0	SAMEA3683162	ERS990311	ERX1236955	ERR1163548	ERZ237959	FBEC01000001-FBEC01000041	IFRCC164	44098
C. coli	LDI13612	SS_2351	CL1-cluster A	47	1,777,982	212,450	31.23	170,703	83,485	5.0	9.0	SAMEA3683163	ERS990312	ERX1236956	ERR1163549	ERZ237960	FBDV01000001-FBDV01000047	IFRCC165	44099
C. coli	LDI13613	SS_2349	CL1-cluster A	40	1,776,849	278,369	31.24	173,548	93,677	4.0	7.0	SAMEA3683164	ERS990313	ERX1236957	ERR1163550	ERZ237961	FBDY01000001-FBDY01000040	IFRCC166	44100
C. coli	LDI13614	SS_2294	CL1-cluster A	31	1,730,135	473,196	31.32	435,881	221,078	2.0	4.0	SAMEA3683165	ERS990314	ERX1236958	ERR1163551	ERZ237962	FBDW01000001-FBDW01000031	IFRCC167	44101
C. coli	LDI13616	SS_2226	CL1-cluster A	55	1,774,711	170,561	31.25	116,001	52,617	6.0	12.0	SAMEA3683167	ERS990316	ERX1236960	ERR1163553	ERZ237964	FBEO01000001-FBEO01000055	IFRCC169	44103
C. coli	LDI13617	SS_2318	CL1-cluster A	45	1,777,015	271,965	31.24	141,487	81,668	5.0	9.0	SAMEA3683168	ERS990317	ERX1236961	ERR1163554	ERZ237965	FBEE01000001-FBEE01000045	IFRCC170	44104
C. coli	LDI13619	SS_2356	CL1-cluster A	38	1,715,738	312,404	31.28	169,963	109,626	4.0	7.0	SAMEA3683170	ERS990319	ERX1236963	ERR1163556	ERZ237967	FBED01000001-FBED01000038	IFRCC172	44106
C. coli	LDI13620	SS_2286	CL1-cluster A	44	1,776,076	363,625	31.24	173,541	75,775	4.0	8.0	SAMEA3683171	ERS990320	ERX1236964	ERR1163557	ERZ237968	FBZ01000001-FBZ01000044	IFRCC173	44107
C. coli	LDI13621	SS_2315	CL1-cluster A	41	1,776,415	211,764	31.24	170,641	86,399	5.0	9.0	SAMEA3683172	ERS990321	ERX1236965	ERR1163558	ERZ237969	FBEG01000001-FBEG01000041	IFRCC174	44108
C. coli	LDI13622	SS_2352	CL1-cluster A	42	1,781,464	209,576	31.24	141,160	81,682	5.0	9.0	SAMEA3683173	ERS990322	ERX1236966	ERR1163559	ERZ237970	FBEO01000001-FBEO01000042	IFRCC175	44109
C. coli	LDI13623	SS_2325	CL1-cluster A	39	1,776,048	273,909	31.24	173,535	125,276	5.0	7.0	SAMEA3683174	ERS990323	ERX1236967	ERR1163560	ERZ237971	FBEO01000001-FBEO01000039	IFRCC176	44110
C. coli	LDI13624	SS_2230	CL1-cluster A	42	1,772,480	212,507	31.24	164,121	67,604	5.0	10.0	SAMEA3683175	ERS990324	ERX1236968	ERR1163561	ERZ237972	FBEI01000001-FBEI01000042	IFRCC177	44111
C. coli	LDI13625	SS_2266	CL1-cluster A	44	1,777,055	204,114	31.24	170,733	93,676	5.0	9.0	SAMEA3683176	ERS990325	ERX1236969	ERR1163562	ERZ237973	FBEJ01000001-FBEJ01000044	IFRCC178	44112
C. coli	LDI13626	SS_2278	CL1-cluster A	37	1,775,443	452,370	31.24	219,694	69,346	3.0	6.0	SAMEA3683177	ERS990326	ERX1236970	ERR1163563	ERZ237974	FBEL01000001-FBEL01000037	IFRCC179	44113
C. coli	LDI13627	SS_2326	CL1-cluster A	40	1,776,844	365,007	31.24	143,892	81,677	5.0	8.0	SAMEA3683178	ERS990327	ERX1236971	ERR1163564	ERZ237975	FBEO01000001-FBEO01000040	IFRCC180	44114
C. coli	LDI13628	SS_2291	CL1-cluster A	38	1,776,368	277,457	31.24	141,598	81,061	5.0	9.0	SAMEA3683179	ERS990328	ERX1236972	ERR1163565	ERZ237976	FBEN01000001-FBEN01000038	IFRCC181	44115
C. coli	LDI13629	SS_2271	CL1-cluster A	32	1,772,344	570,175	31.24	195,157	129,220	3.0	6.0	SAMEA3683180	ERS990329	ERX1236973	ERR1163566	ERZ237977	FBEO01000001-FBEO01000032	IFRCC182	44116
C. coli	LDI13631	SS_2296	CL1-cluster A	33	1,748,769	349,353	31.22	149,027	106,214	4.0	7.0	SAMEA3683182	ERS990331	ERX1236975	ERR1163568	ERZ237979	FBEO01000001-FBEO01000033	IFRCC184	44118
C. coli	LDI13632	SS_2238	CL1-cluster A	42	1,776,310	240,276	31.24	143,775	81,072	5.0	9.0	SAMEA3683183	ERS990332	ERX1236976	ERR1163569	ERZ237980	FBEP01000001-FBEP01000042	IFRCC185	44119
C. coli	LDI13633	SS_2285	CL1-cluster A	42	1,776,371	364,231	31.24	174,369	93,697	4.0	7.0	SAMEA3683184	ERS990333	ERX1236977	ERR1163570	ERZ237981	FBES01000001-FBES01000042	IFRCC186	44120
C. coli	LDI13634	SS_2279	CL1-cluster A	37	1,776,122	278,445	31.25	173,528	93,690	4.0	7.0	SAMEA3683185	ERS990334	ERX1236978	ERR1163571	ERZ237982	FBEW01000001-FBEW01000037	IFRCC187	44121
C. coli	LDI13635	SS_2276	CL1-cluster A	43	1,776,703	343,605	31.24	173,571	81,056	4.0	8.0	SAMEA3683186	ERS990335	ERX1236979	ERR1163572	ERZ237983	FBEX01000001-FBEX01000043	IFRCC188	44122
C. coli	LDI14925	SS_2362	CL1-cluster A	20	1,713,055	326,481	31.33	265,807	129,312	3.0	6.0	SAMEA3683187	ERS990336	ERX1236980	ERR1163573	ERZ237984	FBET01000001-FBET01000020	IFRCC189	44123
C. coli	LDI14926	EC5899	CL1-cluster A	21	1,755,078	380,863	31.20	228,961	129,954	3.0	6.0	SAMEA3683188	ERS990337	ERX1236981	ERR1163574	ERZ237985	FBEO01000001-FBEO01000021	IFRCC190	44124
C. coli	LDI14927	EC4297	CL1-cluster A	18	1,664,939	380,862	31.35	230,478	129,562	3.0	6.0	SAMEA3683189	ERS990338	ERX1236982	ERR1163575	ERZ237986	FBEO01000001-FBEO01000018	IFRCC191	44125
C. coli	LDI14928	EC4098	CL1-cluster A	21	1,755,825	328,955	31.20	169,813	125,396	4.0	7.0	SAMEA3683190	ERS990339	ERX1236983	ERR1163576	ERZ237987	FBEO01000001-FBEO01000021	IFRCC192	44126
C. coli	LDI14929	EC5806	CL1-cluster A	15	1,664,471	380,861	31.35	266,162	169,813	3.0	5.0	SAMEA3683191	ERS990340	ERX1236984	ERR1163577	ERZ237988	FBEO01000001-FBEO01000015	IFRCC193	44127
C. coli	LDI14930	EC4835	CL1-cluster A	15	1,660,306	380,864	31.36	266,162	163,757	3.0	5.0	SAMEA3683192	ERS990341	ERX1236985	ERR1163578	ERZ237989	FBFA01000001-FBFA01000015	IFRCC194	44128
C. coli	LDI14931	EC4267	CL1-cluster A	14	1,664,277	380,875	31.35	266,161	163,757	3.0	5.0	SAMEA3683193	ERS990342	ERX1236986	ERR1163579	ERZ237990	FBFB01000001-FBFB01000014	IFRCC195	44129
C. coli	LDI14932	EC5983	CL1-cluster A	19	1,751,164	380,853	31.20	209,335	143,962	4.0	6.0	SAMEA3683194	ERS990343	ERX1236987	ERR1163580	ERZ237991	FBFC01000001-FBFC01000019	IFRCC196	44130
C. coli	LDI14933	EC4808	CL1-cluster A	23	1,664,151	380,828	31.35	229,091	129,563	3.0	6.0	SAMEA3683195	ERS990344	ERX1236988	ERR1163581	ERZ237992	FBFD01000001-FBFD01000023	IFRCC197	44131
C. coli	LDI14934	EC6049	CL1-cluster A	18	1,647,121	380,860	31.38	212,528	129,677	3.0	6.0	SAMEA3683196	ERS990345	ERX1236989	ERR1163582	ERZ237993	FBFE01000001-FBFE01000018	IFRCC198	44132
C. coli	LDI14935	EC4238	CL1-cluster A	19	1,664,912	380,861	31.35	230,480	129,523	3.0	6.0	SAMEA3683197	ERS990346	ERX1236990	ERR1163583	ERZ237994	FBFF01000001-FBFF01000019	IFRCC199	44133
C. coli	LDI14936	EC5721	CL1-cluster A	17	1,753,831	241,166	31.20	160,133	108,167	5.0	9.0	SAMEA3683198	ERS990347	ERX1236991	ERR1163584	ERZ237995	FBFG01000001-FBFG01000017	IFRCC200	44134
C. coli	LDI14937	EC4910	CL1-cluster A	14	1,664,756	592,011	31.35	266,160	218,083	2.0	4.0	SAMEA3683199	ERS990348	ERX1236992	ERR1163585	ERZ237996	FBFH01000001-FBFH01000014	IFRCC201	44135
C. coli	LDI14939	EC5338	CL1-cluster A	17	1,663,401	380,861	31.35	266,162	163,757	3.0	5.0	SAMEA3683201	ERS990350</						

C. coli	LDI6739	CCN120	CL1-cluster A	29	1,660,276	346,330	31.38	163,993	88,667	4.0	7.0	SAMEA3683235	ERS990384	ERX1237027	ERR1163620	ERZ238031	FBGJ01000001-FBGJ01000029	IFRCC237	44171
C. coli	LDI6740	CCN60	CL1-cluster A	27	1,687,670	346,312	31.33	169,652	132,497	4.0	6.0	SAMEA3683236	ERS990385	ERX1237028	ERR1163621	ERZ238032	FBGI01000001-FBGI01000027	IFRCC238	44172
C. coli	LDI6741	NCTC12569	CL1-cluster A	44	1,801,151	301,976	31.13	170,143	93,588	4.0	8.0	SAMEA3683237	ERS990386	ERX1237029	ERR1163622	ERZ238033	FBGT01000001-FBGT01000044	IFRCC239	44173
C. coli	LDI6742	UNF383D	CL1-cluster A	76	1,868,983	238,784	30.92	162,425	108,604	5.0	8.0	SAMEA3683238	ERS990387	ERX1237030	ERR1163623	ERZ238034	FBGP01000001-FBGP01000076	IFRCC240	44174
C. coli	LDI6744	EC3498	CL1-cluster A	29	1,659,119	423,601	31.36	125,498	107,537	4.0	7.0	SAMEA3683240	ERS990389	ERX1237032	ERR1163625	ERZ238036	FBGS01000001-FBGS01000029	IFRCC242	44176
C. coli	LDI6746	EC3373	CL1-cluster A	28	1,660,249	380,839	31.36	163,630	99,989	4.0	7.0	SAMEA3683242	ERS990391	ERX1237034	ERR1163627	ERZ238038	FBGU01000001-FBGU01000028	IFRCC244	44178
C. coli	LDI6747	CCN245	CL1-cluster A	18	1,724,673	454,838	31.24	164,449	122,009	4.0	7.0	SAMEA3683243	ERS990392	ERX1237035	ERR1163628	ERZ238039	FBGW01000001-FBGW01000018	IFRCC245	44179
C. coli	LDI6748	CCN397	CL1-cluster A	19	1,639,423	357,043	31.41	162,643	106,110	4.0	7.0	SAMEA3683244	ERS990393	ERX1237036	ERR1163629	ERZ238040	FBGV01000001-FBGV01000019	IFRCC246	44180
C. coli	LDI6750	NCTC12567	CL1-cluster A	22	1,654,912	357,183	31.38	169,694	130,460	4.0	6.0	SAMEA3683246	ERS990395	ERX1237038	ERR1163631	ERZ238042	FBGX01000001-FBGX01000022	IFRCC248	44182
C. coli	LDI6752	EC3365	CL1-cluster A	30	1,659,545	318,642	31.36	163,627	102,066	4.0	7.0	SAMEA3683248	ERS990397	ERX1237040	ERR1163633	ERZ238044	FBGZ01000001-FBGZ01000030	IFRCC250	44184
C. coli	LDI6753	UNES9	CL1-cluster A	40	1,688,648	346,498	31.30	235,941	83,556	3.0	7.0	SAMEA3683249	ERS990398	ERX1237041	ERR1163634	ERZ238045	FBHB01000001-FBHB01000040	IFRCC251	44185
C. coli	LDI6754	EC3390	CL1-cluster A	24	1,660,055	440,769	31.36	266,088	128,122	3.0	5.0	SAMEA3683250	ERS990399	ERX1237042	ERR1163635	ERZ238046	FBHC01000001-FBHC01000024	IFRCC252	44186
C. coli	LDI6755	CCN246	CL1-cluster A	22	1,724,286	463,613	31.24	162,690	119,650	4.0	7.0	SAMEA3683251	ERS990400	ERX1237043	ERR1163636	ERZ238047	FBHD01000001-FBHD01000022	IFRCC253	44187
C. coli	LDI6756	CCN153	CL1-cluster A	32	1,687,640	346,291	31.33	163,590	88,633	4.0	7.0	SAMEA3683252	ERS990401	ERX1237044	ERR1163637	ERZ238048	FBHE01000001-FBHE01000032	IFRCC254	44188
C. coli	LDI6757	UNAJC222	CL1-cluster A	30	1,710,059	390,897	31.30	271,653	172,746	3.0	5.0	SAMEA3683253	ERS990402	ERX1237045	ERR1163638	ERZ238049	FBHF01000001-FBHF01000030	IFRCC255	44189
C. coli	LDI6760	EC3511	CL1-cluster A	25	1,750,054	346,646	31.21	169,606	128,095	4.0	7.0	SAMEA3683256	ERS990405	ERX1237048	ERR1163641	ERZ238052	FBHI01000001-FBHI01000025	IFRCC258	44192
C. coli	LDI6762	EC3478	CL1-cluster A	24	1,659,174	475,659	31.36	227,871	163,619	3.0	5.0	SAMEA3683257	ERS990406	ERX1237049	ERR1163642	ERZ238053	FBHJ01000001-FBHJ01000024	IFRCC259	44193
C. coli	LDI6764	CCN154	CL1-cluster A	26	1,687,489	416,346	31.34	169,910	132,492	3.0	6.0	SAMEA3683259	ERS990408	ERX1237051	ERR1163644	ERZ238055	FBHM01000001-FBHM01000026	IFRCC261	44195
C. coli	LDI6765	NCTC11437	CL1-cluster A	26	1,764,054	381,393	31.10	160,056	123,736	4.0	7.0	SAMEA3683260	ERS990409	ERX1237052	ERR1163645	ERZ238056	FBHL01000001-FBHL01000026	IFRCC262	44196
C. coli	LDI6766	NCTC12570	CL1-cluster A	59	1,781,294	345,180	31.05	162,995	65,883	4.0	8.0	SAMEA3683261	ERS990410	ERX1237053	ERR1163646	ERZ238057	FBHN01000001-FBHN01000059	IFRCC263	44197
C. coli	LDI6767	CCN205	CL1-cluster A	30	1,714,046	355,771	31.33	214,095	130,237	3.0	6.0	SAMEA3683262	ERS990411	ERX1237054	ERR1163647	ERZ238058	FBHO01000001-FBHO01000030	IFRCC264	44198
C. coli	LDI6768	EC3490	CL1-cluster A	24	1,659,420	475,686	31.36	266,091	125,566	3.0	5.0	SAMEA3683263	ERS990412	ERX1237055	ERR1163648	ERZ238059	FBHP01000001-FBHP01000024	IFRCC265	44199
C. coli	LDI6769	UNES15	CL1-cluster A	45	1,699,801	343,966	31.38	255,385	130,442	3.0	6.0	SAMEA3683264	ERS990413	ERX1237056	ERR1163649	ERZ238060	FBHQ01000001-FBHQ01000045	IFRCC266	44200
C. coli	LDI6770	BRISPIG3	CL1-cluster A	32	1,700,229	330,765	31.28	163,699	83,834	4.0	7.0	SAMEA3683265	ERS990414	ERX1237057	ERR1163650	ERZ238061	FBHR01000001-FBHR01000032	IFRCC267	44201
C. coli	LDI6771	CCN257	CL1-cluster A	27	1,719,828	355,442	31.31	216,227	130,240	3.0	6.0	SAMEA3683266	ERS990415	ERX1237058	ERR1163651	ERZ238062	FBHS01000001-FBHS01000027	IFRCC268	44202
C. coli	LDI6772	CCN177	CL1-cluster A	13	1,637,701	357,058	31.41	264,764	132,787	3.0	5.0	SAMEA3683267	ERS990416	ERX1237059	ERR1163652	ERZ238063	FBHT01000001-FBHT01000013	IFRCC269	44203
C. coli	LDI6773	UNLLIII	CL1-cluster A	38	1,721,076	314,762	31.27	141,296	127,856	4.0	7.0	SAMEA3683268	ERS990417	ERX1237060	ERR1163653	ERZ238064	FBHV01000001-FBHV01000038	IFRCC270	44204
C. coli	LDI6774	UNOR581A	CL1-cluster A	42	1,643,018	346,282	31.38	255,421	74,599	3.0	7.0	SAMEA3683269	ERS990418	ERX1237061	ERR1163654	ERZ238065	FBHW01000001-FBHW01000042	IFRCC271	44205
C. coli	LDI6776	EC1293	CL1-cluster A	37	1,650,601	346,078	31.39	144,679	82,245	4.0	7.0	SAMEA3683271	ERS990420	ERX1237063	ERR1163656	ERZ238067	FBHZ01000001-FBHZ01000037	IFRCC273	44207
C. coli	LDI6780	CCN178	CL1-cluster A	15	1,638,409	440,939	31.41	183,963	119,667	3.0	5.0	SAMEA3683274	ERS990423	ERX1237066	ERR1163659	ERZ238070	FBHU01000001-FBHU01000015	IFRCC276	44210
C. coli	LDI6784	EC3361	CL1-cluster A	26	1,660,413	441,534	31.36	169,609	125,575	3.0	6.0	SAMEA3683278	ERS990427	ERX1237070	ERR1163663	ERZ238074	FBIC01000001-FBIC01000026	IFRCC280	44214
C. coli	LDI6785	UNAJL222	CL1-cluster A	61	1,813,158	277,821	31.01	172,698	106,335	5.0	8.0	SAMEA3683279	ERS990428	ERX1237071	ERR1163664	ERZ238075	FBIG01000001-FBIG01000061	IFRCC281	44215
C. coli	LDI6786	BRIS1041X	CL1-cluster A	43	1,789,323	420,268	31.17	156,326	120,416	4.0	7.0	SAMEA3683280	ERS990429	ERX1237072	ERR1163665	ERZ238076	FBIH01000001-FBIH01000043	IFRCC282	44216
C. coli	LDI6788	CCN119	CL1-cluster A	29	1,659,960	346,598	31.39	169,636	129,110	4.0	6.0	SAMEA3683282	ERS990431	ERX1237074	ERR1163667	ERZ238078	FBILO1000001-FBILO1000029	IFRCC284	44218
C. coli	LDI6789	H140420134	CL1-cluster A	35	1,763,872	299,181	31.24	141,909	101,257	4.0	8.0	SAMEA3683283	ERS990432	ERX1237075	ERR1163668	ERZ238079	FBIIO1000001-FBIIO1000035	IFRCC285	44219
C. coli	LDI6790	UNOR532A	CL1-cluster A	72	1,779,718	462,107	31.01	215,645	117,568	3.0	6.0	SAMEA3683284	ERS990433	ERX1237076	ERR1163669	ERZ238080	FBIJO1000001-FBIJO1000072	IFRCC286	44220
C. coli	LDI6792	EC3381	CL1-cluster A	34	1,660,630	346,285	31.36	163,630	100,005	4.0	7.0	SAMEA3683286	ERS990435	ERX1237078	ERR1163671	ERZ238082	FBIN01000001-FBIN01000034	IFRCC288	44222
C. coli	LDI6793	UNLL3.1	CL1-cluster A	27	1,750,835	380,943	31.14	218,209	172,551	4.0	6.0	SAMEA3683287	ERS990436	ERX1237079	ERR1163672	ERZ238083	FBIK01000001-FBIK01000027	IFRCC289	44223
C. coli	LDI6794	CCN72	CL1-cluster A	30	1,688,081	450,776	31.34	169,654	129,475	3.0	6.0	SAMEA3683288	ERS990437	ERX1237080	ERR1163673	ERZ238084	FBIQ01000001-FBIQ01000030	IFRCC290	44224
C. coli	LDI6795	CCN56	CL1-cluster A	24	1,657,632	387,256	31.38	163,521	129,112	4.0	6.0	SAMEA3683289	ERS990438	ERX1237081	ERR1163674	ERZ238085	FBIU01000001-FBIU01000024	IFRCC291	44225
C. coli	LDI6796	CCN123	CL1-cluster A	29	1,657,649	413,794	31.38	266,074	129,343	3.0	5.0	SAMEA3683290	ERS990439	ERX1237082	ERR1163675	ERZ238086	FBIO01000001-FBIO01000029	IFRCC292	44226
C. coli	LDI6799	EC3385	CL1-cluster A	27	1,659,886	380,763	31.36	225,969	129,135	3.0	6.0	SAMEA3683293	ERS990442	ERX1237085	ERR1163678	ERZ238089	FBISO1000001-FBISO1000027	IFRCC295	44229
C. coli	LDI6800	CCN355	CL1-cluster A	29	1,681,553	455,195	31.33	169,585	137,322	3.0	5.0	SAMEA3683294	ERS990443	ERX1237086	ERR1163679	ERZ238090	FBIR01000001-FBIR01000029	IFRCC296	44230
C. coli	LDI6801	UNCIC2	CL1-cluster A	17	1,688,974	387,621	31.30	264,602	106,397	3.0	6.0	SAMEA3683295	ERS990444	ERX1237087	ERR1163680	ERZ238091	FBIW01000001-FBIW01000017	IFRCC297	44231
C. coli	LDI6802	CCN293	CL1-cluster A	28	1,686,361	380,761	31.33	163,422	94,167	4.0	7.0	SAMEA3683296	ERS990445	ERX1237088	ERR1163681	ERZ238092	FBIY01000001-FBIY01000028	IFRCC298	44232
C. coli	LDI6803	CCN349	CL1-cluster A	35	1,703,214	479,757	31.34	207,144	130,234	3.0	6.0	SAMEA3683297	ERS990446	ERX1237089	ERR1163682	ERZ238093	FBIX01000001-FBIX01000035	IFRCC299	44233
C. coli	LDI6804	CCN71	CL1-cluster A	23	1,687,029	380,694	31.33	265,723	89,233	3.0	6.0	SAMEA3683298	ERS990447	ERX1237090	ERR1163683	ERZ238094	FBIV01000001-FBIV01000023	IFRCC300	44234
C. coli	LDI6807	EC3160	CL1-cluster A	61	1,655,418	118,781	31.43	54,321	31,084	11.0	22.0	SAMEA3683301	ERS990450	ERX1237093	ERR1163686	ERZ238097	FBJB01000001-FJB01000061	IFRCC303	44237
C. coli	LDI6808	EC3356	CL1-cluster A	28	1,661,419	328,825	31.36	163,635	125,522	4.0	7.0	SAMEA3683302	ERS990451	ERX1237094	ERR1163687	ERZ238098	FBJC01000001-FBJC01000028	IFRCC304	44238
C. coli	LDI6809	EC3357	CL1-cluster A	28	1,659,378	387,515	31.35	163,624	100,005	4.0	7.0	SAMEA3683303	ERS990452	ERX1237095	ERR1163688	ERZ238099	FBJD01000001-FBJD01000028	IFRCC305	44239
C. coli	LDI6810	CCN181	CL1-cluster A	30	1,658,315	344,883	31.38	163,533	88,585	4.0	7.0	SAMEA3683304	ERS990453	ERX1237096	ERR1163689	ERZ238100	FBJE01000001-FBJE01000030	IFRCC306	44240
C. coli	LDI6811	CCN59	CL1-cluster A	31	1,688,543	346,562	31.33	169,644	88,640	4.0	7.0	SAMEA3683305	ERS990454	ERX1237097	ERR1163690	ERZ238101	FBJF01000001-FBJF01000031	IFRCC307</	

C. coli	LDI6830	CCN124	CL1-cluster A	20	1,657,660	490,608	31.38	344,550	129,391	2.0	5.0	SAMEA3683319	ERS990468	ERX1237111	ERR1163704	ERZ238115	FBJTO1000001-FBJTO1000020	IFRCC321	44255
C. coli	LDI6831	CCN64	CL1-cluster A	28	1,660,479	416,866	31.38	169,641	129,367	3.0	6.0	SAMEA3683320	ERS990469	ERX1237112	ERR1163705	ERZ238116	FBJU01000001-FBJU01000028	IFRCC322	44256
C. coli	LDI9115	p546B	CL1-cluster A	35	1,701,129	346,348	31.34	265,719	163,581	3.0	5.0	SAMEA3683321	ERS990470	ERX1237113	ERR1163706	ERZ238117	FBJX01000001-FBJX01000035	IFRCC323	44257
C. coli	LDI9116	H095340114b	CL1-cluster A	17	1,684,118	359,291	31.32	265,682	130,444	3.0	5.0	SAMEA3683322	ERS990471	ERX1237114	ERR1163707	ERZ238118	FBKCO1000001-FBKCO1000017	IFRCC324	44258
C. coli	LDI9118	p635D	CL1-cluster A	22	1,701,740	346,615	31.34	237,038	169,633	3.0	5.0	SAMEA3683324	ERS990473	ERX1237116	ERR1163709	ERZ238120	FBKBO1000001-FBKBO1000022	IFRCC326	44260
C. coli	LDI9119	H084040382a	CL1-cluster A	31	1,647,824	352,378	31.39	207,955	130,192	3.0	6.0	SAMEA3683325	ERS990474	ERX1237117	ERR1163710	ERZ238121	FBJYO1000001-FBJYO1000031	IFRCC327	44261
C. coli	LDI9123	H073180384	CL1-cluster A	27	1,659,802	416,590	31.38	237,201	130,071	3.0	6.0	SAMEA3683329	ERS990478	ERX1237121	ERR1163714	ERZ238125	FBJW01000001-FBJW01000027	IFRCC331	44265
C. coli	LDI9124	p474A	CL1-cluster A	27	1,700,429	346,609	31.34	283,228	168,596	3.0	5.0	SAMEA3683330	ERS990479	ERX1237122	ERR1163715	ERZ238126	FBKGO1000001-FBKGO1000027	IFRCC332	44266
C. coli	LDI9125	p474C	CL1-cluster A	28	1,699,634	265,735	31.34	169,617	163,590	5.0	7.0	SAMEA3683331	ERS990480	ERX1237123	ERR1163716	ERZ238127	FBKFO1000001-FBKFO1000028	IFRCC333	44267
C. coli	LDI9128	p635A	CL1-cluster A	30	1,701,180	421,946	31.34	228,675	168,576	3.0	6.0	SAMEA3683334	ERS990483	ERX1237126	ERR1163719	ERZ238130	FBKH01000001-FBKHO1000030	IFRCC336	44270
C. coli	LDI9129	H123080386	CL1-cluster A	16	1,638,114	264,396	31.42	209,763	130,542	4.0	6.0	SAMEA3683335	ERS990484	ERX1237127	ERR1163720	ERZ238131	FBKIO1000001-FBKIO1000016	IFRCC337	44271
C. coli	LDI9130	p515B	CL1-cluster A	17	1,638,196	459,591	31.41	458,833	130,548	2.0	4.0	SAMEA3683336	ERS990485	ERX1237128	ERR1163721	ERZ238132	FBKE01000001-FBKE01000017	IFRCC338	44272
C. coli	LDI9131	H063900401	CL1-cluster A	41	1,693,722	429,711	31.30	229,056	129,495	3.0	6.0	SAMEA3683337	ERS990486	ERX1237129	ERR1163722	ERZ238133	FBKM01000001-FBKM01000041	IFRCC339	44273
C. coli	LDI9133	p588B	CL1-cluster A	32	1,754,022	318,869	31.14	176,957	173,411	4.0	6.0	SAMEA3683339	ERS990488	ERX1237131	ERR1163724	ERZ238135	FBKK01000001-FBKK01000032	IFRCC341	44275
C. coli	LDI9137	H125280575	CL1-cluster A	32	1,680,617	349,870	31.36	163,964	107,521	4.0	7.0	SAMEA3683343	ERS990492	ERX1237135	ERR1163728	ERZ238139	FBKU01000001-FBKU01000032	IFRCC345	44279
C. coli	LDI9138	p546D	CL1-cluster A	20	1,700,920	346,692	31.33	242,323	169,640	3.0	5.0	SAMEA3683344	ERS990493	ERX1237136	ERR1163729	ERZ238140	FBKR01000001-FBKR01000020	IFRCC346	44280
C. coli	LDI9139	H044660164	CL1-cluster A	23	1,724,057	357,028	31.27	267,029	166,589	3.0	6.0	SAMEA3683345	ERS990494	ERX1237137	ERR1163730	ERZ238141	FBKS01000001-FBKS01000023	IFRCC347	44281
C. coli	LDI9143	H065100499	CL1-cluster A	30	1,701,202	415,576	31.34	237,384	217,323	3.0	5.0	SAMEA3683349	ERS990498	ERX1237141	ERR1163734	ERZ238145	FBKW01000001-FBKW01000030	IFRCC351	44285
C. coli	LDI9144	p474B	CL1-cluster A	18	1,679,848	465,988	31.35	266,029	123,039	3.0	5.0	SAMEA3683350	ERS990499	ERX1237142	ERR1163735	ERZ238146	FBKX01000001-FBKX01000018	IFRCC352	44286
C. coli	LDI9145	H062580346	CL1-cluster A	28	1,754,041	443,549	31.14	173,901	151,216	4.0	6.0	SAMEA3683351	ERS990500	ERX1237143	ERR1163736	ERZ238147	FBKZ01000001-FBKZ01000028	IFRCC353	44287
C. coli	LDI9146	p588D	CL1-cluster A	14	1,639,346	357,058	31.42	264,404	162,639	3.0	5.0	SAMEA3683352	ERS990501	ERX1237144	ERR1163737	ERZ238148	FBLA01000001-FBLA01000014	IFRCC354	44288
C. coli	LDI9147	H133020651b	CL1-cluster A	17	1,637,790	463,612	31.41	216,045	130,541	3.0	5.0	SAMEA3683353	ERS990502	ERX1237145	ERR1163738	ERZ238149	FBLB01000001-FBLB01000017	IFRCC355	44289
C. coli	LDI9150	H114640463a	CL1-cluster A	33	1,688,271	380,804	31.34	163,638	88,665	4.0	7.0	SAMEA3683356	ERS990505	ERX1237148	ERR1163741	ERZ238152	FBLE01000001-FBLE01000033	IFRCC358	44292
C. coli	LDI9154	SWAN195-3	CL1-cluster A	15	1,684,171	359,457	31.33	265,680	169,576	3.0	5.0	SAMEA3683360	ERS990509	ERX1237152	ERR1163745	ERZ238156	FBLI01000001-FBLI01000015	IFRCC362	44296
C. coli	LDI9156	H061980521a	CL1-cluster A	30	1,763,710	270,233	31.10	173,388	106,499	4.0	7.0	SAMEA3683362	ERS990511	ERX1237154	ERR1163747	ERZ238158	FBLK01000001-FBLK01000030	IFRCC364	44298
C. coli	LDI9157	p604B	CL1-cluster A	31	1,701,656	346,329	31.33	168,587	104,249	4.0	7.0	SAMEA3683363	ERS990512	ERX1237155	ERR1163748	ERZ238159	FBLLO1000001-FBLLO1000031	IFRCC365	44299
C. coli	LDI9158	p546C	CL1-cluster A	16	1,638,233	426,818	31.41	169,610	119,963	3.0	6.0	SAMEA3683364	ERS990513	ERX1237156	ERR1163749	ERZ238160	FBLN01000001-FBLN01000016	IFRCC366	44300
C. coli	LDI9162	SWAN392	CL1-cluster A	30	1,688,895	415,578	31.33	169,641	129,131	3.0	6.0	SAMEA3683368	ERS990517	ERX1237160	ERR1163753	ERZ238164	FBLQ01000001-FBLQ01000030	IFRCC370	44304
C. coli	LDI9164	H075200514	CL1-cluster A	32	1,754,512	271,155	31.13	176,295	106,506	4.0	7.0	SAMEA3683370	ERS990519	ERX1237162	ERR1163755	ERZ238166	FBLSO1000001-FBLSO1000032	IFRCC372	44306
C. coli	LDI9165	p604D	CL1-cluster A	37	1,659,623	413,146	31.38	215,236	130,130	3.0	6.0	SAMEA3683371	ERS990520	ERX1237163	ERR1163756	ERZ238167	FBLZ01000001-FBLZ01000037	IFRCC373	44307
C. coli	LDI9167	UNNQFC9	CL1-cluster A	34	1,642,662	425,257	31.39	163,937	75,585	3.0	7.0	SAMEA3683373	ERS990522	ERX1237165	ERR1163758	ERZ238169	FBLR01000001-FBLR01000034	IFRCC375	44309
C. coli	LDI9170	SWAN350	CL1-cluster A	18	1,638,807	357,060	31.41	169,610	119,963	4.0	6.0	SAMEA3683376	ERS990525	ERX1237168	ERR1163761	ERZ238172	FBLU01000001-FBLU01000018	IFRCC378	44312
C. coli	LDI9171	p495D	CL1-cluster A	18	1,638,340	425,408	31.41	264,571	119,963	3.0	5.0	SAMEA3683377	ERS990526	ERX1237169	ERR1163762	ERZ238173	FBLV01000001-FBLV01000018	IFRCC379	44313
C. coli	LDI9172	p494D	CL1-cluster A	19	1,640,934	357,043	31.42	266,131	106,113	3.0	6.0	SAMEA3683378	ERS990527	ERX1237170	ERR1163763	ERZ238174	FBMBO1000001-FBMBO1000019	IFRCC380	44314
C. coli	LDI9173	H140200373	CL1-cluster A	28	1,658,173	345,127	31.34	162,260	79,528	4.0	7.0	SAMEA3683379	ERS990528	ERX1237171	ERR1163764	ERZ238175	FBLYO1000001-FBLYO1000028	IFRCC381	44315
C. coli	LDI9174	UNOR8693b	CL1-cluster A	32	1,696,928	345,083	31.32	162,250	77,442	4.0	7.0	SAMEA3683380	ERS990529	ERX1237172	ERR1163765	ERZ238176	FBMIO1000001-FBMIO1000032	IFRCC382	44316
C. coli	LDI9175	UNOR7592c	CL1-cluster A	74	1,826,979	381,608	30.98	270,941	83,245	3.0	6.0	SAMEA3683381	ERS990530	ERX1237173	ERR1163766	ERZ238177	FBMJO1000001-FBMJO1000074	IFRCC383	44317
C. coli	LDI9176	UNOR4451c	CL1-cluster A	86	1,824,427	434,268	30.98	265,004	84,213	3.0	7.0	SAMEA3683382	ERS990531	ERX1237174	ERR1163767	ERZ238178	FBMHO1000001-FBMHO1000086	IFRCC384	44318
C. coli	LDI9177	UNOR5482c	CL1-cluster A	39	1,726,839	342,902	31.31	143,512	79,632	4.0	8.0	SAMEA3683383	ERS990532	ERX1237175	ERR1163768	ERZ238179	FBME01000001-FBME01000039	IFRCC385	44319
C. coli	LDI9178	UNOR10622c	CL1-cluster A	51	1,818,680	343,967	31.03	163,552	84,047	4.0	7.0	SAMEA3683384	ERS990533	ERX1237176	ERR1163769	ERZ238180	FBMDO1000001-FBMDO1000051	IFRCC386	44320
C. coli	LDI9179	UNF5421c	CL1-cluster A	39	1,659,503	377,935	31.38	141,690	90,453	4.0	7.0	SAMEA3683385	ERS990534	ERX1237177	ERR1163770	ERZ238181	FBMGO1000001-FBMGO1000039	IFRCC387	44321
C. coli	LDI9180	UNOR13691b	CL1-cluster A	24	1,659,318	482,661	31.38	169,536	129,346	3.0	5.0	SAMEA3683386	ERS990535	ERX1237178	ERR1163771	ERZ238182	FBMFO1000001-FBMFO1000024	IFRCC388	44322
C. coli	LDI9181	CCN182	CL1-cluster A	33	1,734,139	346,322	31.28	164,139	107,806	4.0	7.0	SAMEA3683387	ERS990536	ERX1237179	ERR1163772	ERZ238183	FBMJO1000001-FBMJO1000033	IFRCC389	44323
C. coli	LDI9182	UNQMCIS16	CL1-cluster A	30	1,765,225	381,177	31.09	164,374	95,010	4.0	7.0	SAMEA3683388	ERS990537	ERX1237180	ERR1163773	ERZ238184	FBMKO1000001-FBMKO1000030	IFRCC390	44324
C. coli	LDI9183	NCTC11438	CL1-cluster A	25	1,658,055	414,806	31.38	183,813	132,385	3.0	6.0	SAMEA3683389	ERS990538	ERX1237181	ERR1163774	ERZ238185	FBMNO1000001-FBMNO1000025	IFRCC391	44325
C. coli	LDI9185	CCN26	CL1-cluster A	21	1,657,737	448,168	31.38	401,933	169,522	2.0	4.0	SAMEA3683391	ERS990540	ERX1237183	ERR1163776	ERZ238187	FBMPO1000001-FBMPO1000021	IFRCC393	44327
C. coli	LDI9186	CCN55	CL1-cluster A	29	1,660,609	475,663	31.35	169,617	125,853	3.0	6.0	SAMEA3683392	ERS990541	ERX1237184	ERR1163777	ERZ238188	FBMQ01000001-FBMQ01000029	IFRCC394	44328
C. coli	LDI9187	EC3444	CL1-cluster A	46	1,886,474	402,687	31.08	142,659	101,086	5.0	9.0	SAMEA3683393	ERS990542	ERX1237185	ERR1163778	ERZ238189	FBMOO1000001-FBMOO1000046	IFRCC395	44329
C. coli	LDI9188	H140420240	CL1-cluster A	19	1,640,054	435,159	31.41	425,384	120,108	2.0	5.0	SAMEA3683394	ERS990543	ERX1237186	ERR1163779	ERZ238190	FBMS01000001-FBMS01000019	IFRCC396	44330
C. coli	LDI9192	CCN264	CL1-cluster A	40	1,736,658	323,117	31.17	173,753	170,994	4.0	6.0	SAMEA3683397	ERS990546	ERX1237189	ERR1163782	ERZ238193	FBMQO1000001-FBMQO1000040	IFRCC399	44333
C. coli	LDI9193	H140460193	CL1-cluster A	27	1,687,029	416,556	31.32	182,993	132,476	3.0	6.0	SAMEA3683398	ERS990547	ERX1237190	ERR1163783	ERZ238194	FBMVO1000001-FBMVO1000027	IFRCC400	44334
C. coli	LDI9194	CCN289	CL1-cluster A	23	1,639,216	425,741	31.41	169,611	119,986	3.0	6.0	SAMEA3683399	ERS990548	ERX1237191	ERR1163784	ERZ2381			

C. coli	LDI9881	H092660305	CL1-cluster A	37	1,661,311	347,907	31.34	162,600	83,195	4.0	7.0	SAMEA3683426	ERS990575	ERX1237218	ERR1163811	ERZ238222	FBNL01000001-FBNL01000037	IFRCC428	44362
C. coli	LDI9883	NCTC11353	CL1-cluster A	35	1,748,001	270,177	31.15	173,775	106,511	4.0	7.0	SAMEA3683428	ERS990577	ERX1237220	ERR1163813	ERZ238224	FBNV01000001-FBNV01000035	IFRCC430	44364
C. coli	LDI9884	H132760142	CL1-cluster A	81	1,838,123	282,401	31.00	106,366	66,844	5.0	10.0	SAMEA3683429	ERS990578	ERX1237221	ERR1163814	ERZ238225	FBOU01000001-FBOU01000081	IFRCC431	44365
C. coli	LDI9885	H070680142	CL1-cluster A	19	1,639,633	426,673	31.42	169,602	119,886	3.0	6.0	SAMEA3683430	ERS990579	ERX1237222	ERR1163815	ERZ238226	FBNW01000001-FBNW01000019	IFRCC432	44366
C. coli	LDI9886	H063540531	CL1-cluster A	42	1,660,861	349,149	31.37	164,542	82,009	4.0	7.0	SAMEA3683431	ERS990580	ERX1237223	ERR1163816	ERZ238227	FBNJ01000001-FBNJ01000042	IFRCC433	44367
C. coli	LDI9889	H073700405	CL1-cluster A	78	1,873,303	395,810	30.91	306,598	67,792	3.0	7.0	SAMEA3683434	ERS990583	ERX1237226	ERR1163819	ERZ238230	FBNF01000001-FBNF01000078	IFRCC436	44370
C. coli	LDI9890	H132680116	CL1-cluster A	42	1,865,571	347,921	31.03	151,986	107,700	5.0	8.0	SAMEA3683435	ERS990584	ERX1237227	ERR1163820	ERZ238231	FBOL01000001-FBOL01000042	IFRCC437	44371
C. coli	LDI9891	NCTC12568	CL1-cluster A	38	1,770,556	359,277	31.21	264,655	92,270	3.0	7.0	SAMEA3683436	ERS990585	ERX1237228	ERR1163821	ERZ238232	FBNI01000001-FBNI01000038	IFRCC438	44372
C. coli	LDI9892	H103600372	CL1-cluster A	32	1,810,952	351,156	31.16	143,403	83,256	4.0	7.0	SAMEA3683437	ERS990586	ERX1237229	ERR1163822	ERZ238233	FBBO01000001-FBBO01000032	IFRCC439	44373
C. coli	LDI9894	H072620568	CL1-cluster A	69	1,852,521	340,660	30.97	150,467	80,247	4.0	8.0	SAMEA3683439	ERS990588	ERX1237231	ERR1163824	ERZ238235	FBOP01000001-FBOP01000069	IFRCC441	44375
C. coli	LDI9895	H121060205	CL1-cluster A	32	1,705,319	391,296	31.35	216,248	130,100	3.0	6.0	SAMEA3683440	ERS990589	ERX1237232	ERR1163825	ERZ238236	FBOW01000001-FBOW01000032	IFRCC442	44376
C. coli	LDI9897	H074360315	CL1-cluster A	378	1,928,741	107,342	31.21	23,631	9,988	20.0	51.0	SAMEA3683442	ERS990591	ERX1237234	ERR1163827	ERZ238238	FBXX01000001-FBXX01000378	IFRCC444	44378
C. coli	LDI9899	H094560717	CL1-cluster A	18	1,710,375	487,368	31.22	266,302	252,028	3.0	4.0	SAMEA3683444	ERS990593	ERX1237236	ERR1163829	ERZ238240	FBOM01000001-FBOM01000018	IFRCC446	44380
C. coli	LDI9902	H054000444	CL1-cluster A	50	1,787,601	317,517	31.22	166,572	82,500	4.0	8.0	SAMEA3683447	ERS990596	ERX1237239	ERR1163832	ERZ238243	FBOD01000001-FBOD01000050	IFRCC449	44383
C. coli	LDI9904	H092260569a	CL1-cluster A	23	1,659,106	346,719	31.38	265,736	105,447	3.0	6.0	SAMEA3683449	ERS990598	ERX1237241	ERR1163834	ERZ238245	FBNX01000001-FBNX01000023	IFRCC451	44385
C. coli	LDI9906	H072680465	CL1-cluster A	22	1,659,776	346,308	31.38	266,076	95,787	3.0	6.0	SAMEA3683451	ERS990600	ERX1237243	ERR1163836	ERZ238247	FBFO01000001-FBFO01000022	IFRCC453	44387
C. coli	LDI9907	H083960630	CL1-cluster A	17	1,639,675	435,413	31.41	169,621	106,114	3.0	6.0	SAMEA3683452	ERS990601	ERX1237244	ERR1163837	ERZ238248	FBNN01000001-FBNN01000017	IFRCC454	44388
C. coli	LDI9910	H090520713	CL1-cluster A	31	1,755,301	466,609	31.23	304,600	129,639	3.0	5.0	SAMEA3683454	ERS990603	ERX1237246	ERR1163839	ERZ238250	FBZO01000001-FBZO01000031	IFRCC456	44390
C. coli	LDI9911	H053280346	CL1-cluster A	55	1,671,622	379,295	31.39	204,396	129,357	3.0	6.0	SAMEA3683455	ERS990604	ERX1237247	ERR1163840	ERZ238251	FBYO01000001-FBYO01000055	IFRCC457	44391
C. coli	LDI9913	H054000445	CL1-cluster A	22	1,640,153	357,038	31.42	163,415	106,118	4.0	7.0	SAMEA3683457	ERS990606	ERX1237249	ERR1163842	ERZ238253	FBPB01000001-FBPP01000022	IFRCC459	44393
C. coli	LDI9914	H121240502	CL1-cluster A	65	1,781,539	274,028	31.06	173,740	109,006	4.0	7.0	SAMEA3683458	ERS990607	ERX1237250	ERR1163843	ERZ238254	FBPC01000001-FBPC01000065	IFRCC460	44394
C. coli	LDI9915	H043920292	CL1-cluster A	32	1,704,801	263,192	31.18	174,024	108,720	4.0	7.0	SAMEA3683459	ERS990608	ERX1237251	ERR1163844	ERZ238255	FBPD01000001-FBPD01000032	IFRCC461	44395
C. coli	LDI9916	H125000370	CL1-cluster A	41	1,689,527	343,703	31.36	138,683	128,928	4.0	7.0	SAMEA3683460	ERS990609	ERX1237252	ERR1163845	ERZ238256	FBPE01000001-FBPE01000041	IFRCC462	44396
C. coli	LDI9917	H112820480	CL1-cluster A	20	1,655,847	435,246	31.37	169,691	92,931	3.0	6.0	SAMEA3683461	ERS990610	ERX1237253	ERR1163846	ERZ238257	FBPF01000001-FBPF01000020	IFRCC463	44397
C. coli	LDI9918	H142080277	CL1-cluster A	71	1,797,417	345,221	31.02	164,935	68,377	4.0	8.0	SAMEA3683462	ERS990611	ERX1237254	ERR1163847	ERZ238258	FBPH01000001-FBPH01000071	IFRCC464	44398
C. coli	LDI9919	H134460277	CL1-cluster A	28	1,649,096	355,785	31.37	223,876	161,723	3.0	6.0	SAMEA3683463	ERS990612	ERX1237255	ERR1163848	ERZ238259	FBPG01000001-FBPG01000028	IFRCC465	44399
C. coli	LDI9920	H051160594	CL1-cluster A	101	1,840,731	469,157	30.95	166,866	65,109	3.0	8.0	SAMEA3683464	ERS990613	ERX1237256	ERR1163849	ERZ238260	FBPK01000001-FBPK01000101	IFRCC466	44400
C. coli	LDI9923	H090660740	CL1-cluster A	23	1,640,030	357,027	31.42	162,671	106,104	4.0	7.0	SAMEA3683467	ERS990616	ERX1237259	ERR1163852	ERZ238263	FBPI01000001-FBPI01000023	IFRCC469	44403
C. coli	LDI9924	H093960099	CL1-cluster A	13	1,654,733	457,230	31.37	266,058	125,923	3.0	5.0	SAMEA3683468	ERS990617	ERX1237260	ERR1163853	ERZ238264	FBPM01000001-FBPM01000013	IFRCC470	44404
C. coli	LDI9926	H091320788	CL1-cluster A	23	1,660,658	401,931	31.36	228,626	163,602	3.0	5.0	SAMEA3683470	ERS990619	ERX1237262	ERR1163855	ERZ238266	FBPN01000001-FBPN01000023	IFRCC472	44406
C. coli	LDI9927	H124620276b	CL1-cluster A	29	1,679,191	663,130	31.35	255,431	144,471	2.0	4.0	SAMEA3683471	ERS990620	ERX1237263	ERR1163856	ERZ238267	FBPL01000001-FBPL01000029	IFRCC473	44407
C. coli	LDI9930	H063900532	CL1-cluster A	35	1,647,777	459,086	31.39	208,009	115,924	3.0	6.0	SAMEA3683474	ERS990623	ERX1237266	ERR1163859	ERZ238270	FBPQ01000001-FBPQ01000035	IFRCC476	44410
C. coli	LDI9931	H114640463b	CL1-cluster A	31	1,754,257	350,417	31.13	263,182	171,826	3.0	5.0	SAMEA3683475	ERS990624	ERX1237267	ERR1163860	ERZ238271	FBPS01000001-FBPS01000031	IFRCC477	44411
C. coli	LDI9932	H084040382b	CL1-cluster A	31	1,702,368	346,346	31.33	169,626	163,589	4.0	6.0	SAMEA3683476	ERS990625	ERX1237268	ERR1163861	ERZ238272	FBPU01000001-FBPU01000031	IFRCC478	44412
C. coli	LDI9933	p604A	CL1-cluster A	32	1,729,616	396,508	31.17	263,186	172,490	3.0	5.0	SAMEA3683477	ERS990626	ERX1237269	ERR1163862	ERZ238273	FBPT01000001-FBPT01000032	IFRCC479	44413
C. coli	LDI9935	H042120298	CL1-cluster A	39	1,729,737	355,441	31.29	169,583	130,230	4.0	6.0	SAMEA3683479	ERS990628	ERX1237271	ERR1163864	ERZ238275	FBPV01000001-FBPV01000039	IFRCC481	44415
C. coli	LDI9936	H081380695b	CL1-cluster A	84	1,859,287	350,562	30.95	136,153	108,843	5.0	8.0	SAMEA3683480	ERS990629	ERX1237272	ERR1163865	ERZ238276	FBPZ01000001-FBPZ01000084	IFRCC482	44416
C. coli	LDI9937	H132480140	CL1-cluster A	15	1,641,697	390,500	31.42	266,096	119,939	3.0	5.0	SAMEA3683481	ERS990630	ERX1237273	ERR1163866	ERZ238277	FBQA01000001-FBQA01000015	IFRCC483	44417
C. coli	LDI9938	H132940658	CL1-cluster A	33	1,662,414	346,602	31.38	163,585	89,255	4.0	7.0	SAMEA3683482	ERS990631	ERX1237274	ERR1163867	ERZ238278	FBPY01000001-FBPY01000033	IFRCC484	44418
C. coli	LDI9939	H130500174	CL1-cluster A	84	1,858,144	304,221	30.96	156,341	68,006	4.0	8.0	SAMEA3683483	ERS990632	ERX1237275	ERR1163868	ERZ238279	FBQH01000001-FBQH01000084	IFRCC485	44419
C. coli	LDI9940	H132580239	CL1-cluster A	35	1,695,455	418,439	31.34	162,452	91,881	4.0	7.0	SAMEA3683484	ERS990633	ERX1237276	ERR1163869	ERZ238280	FBQD01000001-FBQD01000035	IFRCC486	44420
C. coli	LDI9942	H103480422	CL1-cluster A	25	1,637,520	415,391	31.36	168,849	129,258	3.0	6.0	SAMEA3683486	ERS990635	ERX1237278	ERR1163871	ERZ238282	FBQB01000001-FBQB01000025	IFRCC488	44422
C. coli	LDI9943	H093100604	CL1-cluster A	59	1,798,967	427,233	31.04	215,781	79,632	3.0	7.0	SAMEA3683487	ERS990636	ERX1237279	ERR1163872	ERZ238283	FBQF01000001-FBQF01000059	IFRCC489	44423
C. coli	LDI9944	H120960536	CL1-cluster A	35	1,690,735	264,971	31.36	162,772	106,123	4.0	7.0	SAMEA3683488	ERS990637	ERX1237280	ERR1163873	ERZ238284	FBQG01000001-FBQG01000035	IFRCC490	44424
C. coli	LDI9945	H102240159	CL1-cluster A	381	2,015,170	85,505	30.99	33,640	11,481	17.0	46.0	SAMEA3683489	ERS990638	ERX1237281	ERR1163874	ERZ238285	FBQQ01000001-FBQQ01000381	IFRCC491	44425
C. coli	LDI9946	H121760164	CL1-cluster A	34	1,686,692	349,269	31.34	202,675	129,124	4.0	6.0	SAMEA3683490	ERS990639	ERX1237282	ERR1163875	ERZ238286	FBQE01000001-FBQE01000034	IFRCC492	44426
C. coli	LDI9949	H063800417	CL1-cluster A	50	1,692,942	414,493	31.35	171,653	77,271	3.0	7.0	SAMEA3683492	ERS990641	ERX1237284	ERR1163877	ERZ238288	FBQO01000001-FBQO01000050	IFRCC494	44428
C. coli	LDI9950	H094280625	CL1-cluster A	66	1,814,929	426,680	31.00	166,744	78,441	4.0	7.0	SAMEA3683493	ERS990642	ERX1237285	ERR1163878	ERZ238289	FBQL01000001-FBQL01000066	IFRCC495	44429
C. coli	LDI9951	H043940500	CL1-cluster A	19	1,641,357	357,051	31.42	162,660	119,734	4.0	7.0	SAMEA3683494	ERS990643	ERX1237286	ERR1163879	ERZ238290	FBQK01000001-FBQK01000019	IFRCC496	44430
C. coli	LDI9956	H092260570	CL1-cluster A	24	1,811,764	497,480	31.08	168,192	121,877	4.0	7.0	SAMEA3683499	ERS990648	ERX1237291	ERR1163884	ERZ238295	FBQR01000001-FBQR01000024	IFRCC501	44435
C. coli	LDI9958	H054900335	CL1-cluster A	14	1,638,006	487,169	31.42	425,678	165,662	2.0	4.0	SAMEA3683501	ERS990650	ERX1237293	ERR1163886	ERZ238297	FBQT01000001-FBQT01000014	IFRCC503	44437
C. coli	LDI9																		



C. coli	LDI12894	SWAN333	CL1-cluster C	45	1,717,978	417,960	31.22	194,154	87,679	3.0	6.0	SAMEA3683002	ERS990151	ERX1236795	ERR1163388	ERZ237799	FAYO01000001-FAYO01000045	IFRCC04	43938
C. coli	LDI12933	H053320338	CL1-cluster C	47	1,797,879	449,638	31.13	173,811	121,907	3.0	6.0	SAMEA3683041	ERS990190	ERX1236834	ERR1163427	ERZ237838	FAZI01000001-FAZI01000047	IFRCC43	43977
C. coli	LDI12979	SWAN254	CL1-cluster C	54	1,832,447	206,478	31.13	114,875	57,719	6.0	11.0	SAMEA3683087	ERS990236	ERX1236880	ERR1163473	ERZ237884	FBAW01000001-FBAW01000054	IFRCC89	44023
C. coli	LDI14945	SS_2268	CL1-cluster C	44	1,719,133	504,925	31.31	179,870	155,529	3.0	6.0	SAMEA3683207	ERS990356	ERX1237000	ERR1163593	ERZ238004	FBFQ01000001-FBFQ01000044	IFRCC209	44143
C. coli	LDI4908	N11D1	CL1-cluster C	1	1,782,395	1,782,395	31.32	1,782,395	1,782,395	1.0	1.0	SAMEA3683223	ERS990372	ERX1237015	ERR1163608	ERZ238019	FBQY01000001-FBQY01000001	IFRCC225	44159
C. coli	LDI6735	SWAN195-1	CL1-cluster C	82	1,847,324	326,498	31.11	91,427	65,103	6.0	12.0	SAMEA3683231	ERS990380	ERX1237023	ERR1163616	ERZ238027	FBGK01000001-FBGK01000082	IFRCC233	44167
C. coli	LDI6743	SWAN249	CL1-cluster C	39	1,721,678	279,004	31.28	153,974	106,633	5.0	8.0	SAMEA3683239	ERS990388	ERX1237031	ERR1163624	ERZ238035	FBGQ01000001-FBGQ01000039	IFRCC241	44175
C. coli	LDI6745	SWAN331	CL1-cluster C	83	1,845,876	192,360	31.12	96,062	67,860	7.0	12.0	SAMEA3683241	ERS990390	ERX1237033	ERR1163626	ERZ238037	FBGR01000001-FBGR01000083	IFRCC243	44177
C. coli	LDI6749	H055260498	CL1-cluster C	51	1,732,249	281,191	31.29	175,569	79,137	4.0	8.0	SAMEA3683245	ERS990394	ERX1237037	ERR1163630	ERZ238041	FBGY01000001-FBGY01000051	IFRCC247	44181
C. coli	LDI6759	SWAN261	CL1-cluster C	65	1,788,603	417,416	31.21	108,221	66,883	4.0	10.0	SAMEA3683255	ERS990404	ERX1237047	ERR1163640	ERZ238051	FBHH01000001-FBHH01000065	IFRCC257	44191
C. coli	LDI6781	SWAN407	CL1-cluster C	51	1,720,480	419,360	31.22	166,921	85,780	4.0	7.0	SAMEA3683275	ERS990424	ERX1237067	ERR1163660	ERZ238071	FBIB01000001-FBIB01000051	IFRCC277	44211
C. coli	LDI6783	SWAN288	CL1-cluster C	71	1,793,725	192,504	31.20	108,227	57,791	6.0	12.0	SAMEA3683277	ERS990426	ERX1237069	ERR1163662	ERZ238073	FBIE01000001-FBIE01000071	IFRCC279	44213
C. coli	LDI6805	NCTC13006	CL1-cluster C	97	1,783,509	168,711	31.16	100,290	65,445	7.0	12.0	SAMEA3683299	ERS990448	ERX1237091	ERR1163684	ERZ238095	FBIZ01000001-FBIZ01000097	IFRCC301	44235
C. coli	LDI9148	p494A	CL1-cluster C	33	1,690,705	251,347	31.28	179,988	106,632	4.0	7.0	SAMEA3683354	ERS990503	ERX1237146	ERR1163739	ERZ238150	FBLCO1000001-FBLCO1000033	IFRCC356	44290
C. coli	LDI9151	p568C	CL1-cluster C	43	1,716,875	347,082	31.23	166,935	82,549	4.0	8.0	SAMEA3683357	ERS990506	ERX1237149	ERR1163742	ERZ238153	FBLFO1000001-FBLFO1000043	IFRCC359	44293
C. coli	LDI9153	SWAN361	CL1-cluster C	85	1,845,805	175,317	31.12	93,716	69,278	8.0	13.0	SAMEA3683359	ERS990508	ERX1237151	ERR1163744	ERZ238155	FBLGO1000001-FBLGO1000085	IFRCC361	44295
C. coli	LDI9160	SWAN393	CL1-cluster C	55	1,709,801	270,510	31.25	161,751	93,930	5.0	8.0	SAMEA3683366	ERS990515	ERX1237158	ERR1163751	ERZ238162	FBLO01000001-FBLO01000055	IFRCC368	44302
C. coli	LDI9161	SWAN269	CL1-cluster C	34	1,720,545	374,036	31.28	168,972	97,642	3.0	7.0	SAMEA3683367	ERS990516	ERX1237159	ERR1163752	ERZ238163	FBLPO1000001-FBLPO1000034	IFRCC369	44303
C. coli	LDI9168	UNOR9553d	CL1-cluster C	64	1,749,348	192,254	31.28	108,221	60,901	6.0	11.0	SAMEA3683374	ERS990523	ERX1237166	ERR1163759	ERZ238170	FBLX01000001-FBLX01000064	IFRCC376	44310
C. coli	LDI9169	SWAN342	CL1-cluster C	52	1,719,668	248,182	31.22	166,684	87,686	5.0	8.0	SAMEA3683375	ERS990524	ERX1237167	ERR1163760	ERZ238171	FBLW01000001-FBLW01000052	IFRCC377	44311
C. coli	LDI9197	H085160740	CL1-cluster C	48	1,730,708	237,297	31.34	161,802	79,142	5.0	9.0	SAMEA3683402	ERS990551	ERX1237194	ERR1163787	ERZ238198	FBMX01000001-FBMX01000048	IFRCC404	44338
C. coli	LDI9928	H102680185	CL1-cluster C	58	1,722,374	265,947	31.22	166,917	87,685	5.0	8.0	SAMEA3683472	ERS990621	ERX1237264	ERR1163857	ERZ238268	FBPW01000001-FBPW01000058	IFRCC474	44408
C. coli	LDI9954	H081380701	CL1-cluster C	64	1,771,430	230,586	31.24	108,256	67,810	6.0	10.0	SAMEA3683497	ERS990646	ERX1237289	ERR1163882	ERZ238293	FBQN01000001-FBQN01000064	IFRCC499	44433
C. coli	LDI12891	H055260517	CL2	79	1,776,234	259,868	31.08	161,988	101,598	5.0	8.0	SAMEA3682999	ERS990148	ERX1236792	ERR1163385	ERZ237796	FAXG01000001-FAXG01000079	IFRCC01	43935
C. coli	LDI12920	W17A	CL2	80	1,812,731	269,708	31.14	136,099	77,817	5.0	9.0	SAMEA3683028	ERS990177	ERX1236821	ERR1163414	ERZ237825	FAYR01000001-FAYR01000080	IFRCC30	43964
C. coli	LDI12965	SWAN409	CL2	525	2,002,159	101,817	31.04	19,324	9,827	29.0	63.0	SAMEA3683073	ERS990222	ERX1236866	ERR1163459	ERZ237870	FBBJ01000001-FBBJ01000525	IFRCC75	44009
C. coli	LDI13552	W17C	CL2	75	1,814,610	179,094	31.13	128,906	64,906	6.0	11.0	SAMEA3683103	ERS990252	ERX1236896	ERR1163489	ERZ237900	FBBQ01000001-FBBQ01000075	IFRCC105	44039
C. coli	LDI13556	W17B	CL2	90	1,817,392	179,152	31.12	105,457	64,370	7.0	13.0	SAMEA3683107	ERS990256	ERX1236900	ERR1163493	ERZ237904	FBBS01000001-FBBS01000090	IFRCC109	44043
C. coli	LDI13571	EC5640	CL2	60	1,838,062	182,176	31.09	123,556	80,466	6.0	11.0	SAMEA3683122	ERS990271	ERX1236915	ERR1163508	ERZ237919	FBCG01000001-FBCG01000060	IFRCC124	44058
C. coli	LDI13577	W17D	CL2	89	1,815,744	244,522	31.13	110,200	58,034	6.0	12.0	SAMEA3683128	ERS990277	ERX1236921	ERR1163514	ERZ237925	FBCT01000001-FBCT01000089	IFRCC130	44064
C. coli	LDI14938	EC5496	CL2	47	1,844,909	427,571	31.08	185,302	164,525	4.0	6.0	SAMEA3683200	ERS990349	ERX1236993	ERR1163586	ERZ237997	FBFI01000001-FBFI01000047	IFRCC202	44136
C. coli	LDI4897	M5D4	CL2	1	1,825,871	1,825,871	31.08	1,825,871	1,825,871	1.0	1.0	SAMEA3683212	ERS990361	ERX1237004	ERR1163597	ERZ238008	FBQV01000001-FBQV01000001	IFRCC214	44148
C. coli	LDI4898	F15D2	CL2	83	1,793,472	261,696	31.16	135,768	90,129	5.0	9.0	SAMEA3683213	ERS990362	ERX1237005	ERR1163598	ERZ238009	FBFW01000001-FBFW01000083	IFRCC215	44149
C. coli	LDI4900	B15B3	CL2	60	1,770,918	268,393	31.24	164,172	91,086	5.0	8.0	SAMEA3683215	ERS990364	ERX1237007	ERR1163600	ERZ238011	FBFU01000001-FBFU01000060	IFRCC217	44151
C. coli	LDI4901	F5A2	CL2	74	1,802,537	257,152	31.09	166,532	101,750	5.0	8.0	SAMEA3683216	ERS990365	ERX1237008	ERR1163601	ERZ238012	FBFZ01000001-FBFZ01000074	IFRCC218	44152
C. coli	LDI4905	K11	CL2	29	1,725,229	253,795	31.21	182,888	149,266	4.0	7.0	SAMEA3683220	ERS990369	ERX1237012	ERR1163605	ERZ238016	FBGA01000001-FBGA01000029	IFRCC222	44156
C. coli	LDI4906	C8C3	CL2	2	1,854,051	1,810,920	31.23	1,810,920	1,810,920	1.0	1.0	SAMEA3683221	ERS990370	ERX1237013	ERR1163606	ERZ238017	FBQX01000001-FBQX01000002	IFRCC223	44157
C. coli	LDI4907	M2D2	CL2	60	1,809,049	261,198	31.08	146,235	83,248	5.0	9.0	SAMEA3683222	ERS990371	ERX1237014	ERR1163607	ERZ238018	FBGB01000001-FBGB01000060	IFRCC224	44158
C. coli	LDI4911	1718	CL2	120	1,947,137	180,779	30.82	110,490	52,955	7.0	14.0	SAMEA3683226	ERS990375	ERX1237018	ERR1163611	ERZ238022	FBGN01000001-FBGN01000120	IFRCC228	44162
C. coli	LDI4912	M4A4	CL2	62	1,802,456	415,502	31.03	173,573	133,939	4.0	7.0	SAMEA3683227	ERS990376	ERX1237019	ERR1163612	ERZ238023	FBGH01000001-FBGH01000062	IFRCC229	44163
C. coli	LDI4913	F14B4C4	CL2	73	1,847,436	229,849	31.02	134,922	67,556	6.0	10.0	SAMEA3683228	ERS990377	ERX1237020	ERR1163613	ERZ238024	FBGM01000001-FBGM01000073	IFRCC230	44164
C. coli	LDI4914	A12B2	CL2	65	1,778,247	379,710	31.09	164,727	102,585	4.0	8.0	SAMEA3683229	ERS990378	ERX1237021	ERR1163614	ERZ238025	FBGG01000001-FBGG01000065	IFRCC231	44165
C. coli	LDI6751	SWAN308	CL2	84	1,911,695	172,509	30.92	107,701	71,977	7.0	12.0	SAMEA3683247	ERS990396	ERX1237039	ERR1163632	ERZ238043	FBHA01000001-FBHA01000084	IFRCC249	44183
C. coli	LDI6782	SWAN408	CL2	61	1,729,449	256,599	31.13	141,202	106,441	5.0	8.0	SAMEA3683276	ERS990425	ERX1237068	ERR1163661	ERZ238072	FBHY01000001-FBHY01000061	IFRCC278	44212
C. coli	LDI6791	SWAN325	CL2	78	1,736,488	169,186	31.14	124,176	80,805	6.0	11.0	SAMEA3683285	ERS990434	ERX1237077	ERR1163670	ERZ238081	FBIM01000001-FBIM01000078	IFRCC287	44221
C. coli	LDI9122	H092560131	CL2	77	1,749,828	255,065	31.12	140,826	75,682	5.0	9.0	SAMEA3683328	ERS990477	ERX1237120	ERR1163713	ERZ238124	FBKJ01000001-FBKJ01000077	IFRCC330	44264
C. coli	LDI9141	H091320798	CL2	72	1,726,446	201,810	31.25	142,646	78,740	5.0	9.0	SAMEA3683347	ERS990496	ERX1237139	ERR1163732	ERZ238143	FBKV01000001-FBKV01000072	IFRCC349	44283
C. coli	LDI9142	H094560718	CL2	75	1,739,303	177,014	31.10	128,598	66,203	6.0	11.0	SAMEA3683348	ERS990497	ERX1237140	ERR1163733	ERZ238144	FBKY01000001-FBKY01000075	IFRCC350	44284
C. coli	LDI9152	SWAN337	CL2	82	1,748,580	217,581	31.25	136,432	71,358	5.0	10.0	SAMEA3683358	ERS990507	ERX1237150	ERR1163743	ERZ238154	FBLH01000001-FBLH01000082	IFRCC360	44294
C. coli	LDI9159	p515C	CL2	109	1,828,764	272,798	30.97	104,531	49,138	6.0	12.0	SAMEA3683365	ERS990514	ERX1237157	ERR1163750	ERZ238161	FBLM01000001-FBLM01000109	IFRCC367	44301
C. coli	LDI9166	UNOR14731d	CL2	67	1,741,198	257,004	31.13	108,937	61,520	6.0	11.0	SAMEA3683372	ERS990521	ERX1237164	ERR1163757	ERZ238168	FBMA01000001-FBMA01000067	IFRCC374	44308
C. coli	LDI9189	CCN398	CL2	64	1,728,772	256,592	31.14	116,577	78,770	6.0	10.0	SAMEA3683395	ERS990544	ERX1237187	ERR1163780	ERZ238191	FBMR01000001-FBMR01000064	IFRCC397	44331

C. coli	LDI12956	H073580401	CL3	46	1,625,819	347,583	31.63	95,430	50,289	5.0	11.0	SAMEA3683064	ERS990213	ERX1236857	ERR1163450	ERZ237861	FBAL01000001-FBAL01000046	IFRCC66	44000
C. coli	LDI12972	H094860392	CL3	16	1,547,224	387,467	31.82	251,489	128,045	3.0	5.0	SAMEA3683080	ERS990229	ERX1236873	ERR1163466	ERZ237877	FBAT01000001-FBAT01000016	IFRCC82	44016
C. coli	LDI13557	EC6147	CL3	17	1,624,244	417,514	31.62	257,015	158,063	3.0	5.0	SAMEA3683108	ERS990257	ERX1236901	ERR1163494	ERZ237905	FBBU01000001-FBBU01000017	IFRCC110	44044
C. coli	LDI4896	C9A1	CL3	1	1,604,113	1,604,113	31.82	1,604,113	1,604,113	1.0	1.0	SAMEA3683211	ERS990360	ERX1230809	ERR1157402	ERZ225662	FBQZ01000001-FBQZ01000001	IFRCC213	44147
C. coli	LDI4899	K3D1	CL3	13	1,562,208	761,304	31.82	258,936	157,525	2.0	3.0	SAMEA3683214	ERS990363	ERX1237006	ERR1163599	ERZ238010	FBFT01000001-FBFT01000013	IFRCC216	44150
C. coli	LDI4902	D13A4	CL3	19	1,590,006	660,199	31.65	263,293	152,526	2.0	4.0	SAMEA3683217	ERS990366	ERX1237009	ERR1163602	ERZ238013	FBFX01000001-FBFX01000019	IFRCC219	44153
C. coli	LDI4909	O6C1	CL3	24	1,587,685	411,791	31.77	230,464	151,936	3.0	5.0	SAMEA3683224	ERS990373	ERX1237016	ERR1163609	ERZ238020	FBGD01000001-FBGD01000024	IFRCC226	44160
C. coli	LDI6734	H060960756	CL3	28	1,564,067	408,167	31.77	148,159	108,031	4.0	7.0	SAMEA3683230	ERS990379	ERX1237022	ERR1163615	ERZ238026	FBGE01000001-FBGE01000028	IFRCC232	44166
C. coli	LDI6758	H060960757	CL3	25	1,563,534	408,166	31.77	151,868	133,457	4.0	6.0	SAMEA3683254	ERS990403	ERX1237046	ERR1163639	ERZ238050	FBHG01000001-FBHG01000025	IFRCC256	44190
C. coli	LDI6775	SWAN264	CL3	34	1,590,415	395,985	31.75	154,323	131,415	3.0	6.0	SAMEA3683270	ERS990419	ERX1237062	ERR1163655	ERZ238066	FBID01000001-FBID01000034	IFRCC272	44206
C. coli	LDI6797	H060740717	CL3	29	1,573,935	408,181	31.78	154,309	110,164	3.0	6.0	SAMEA3683291	ERS990440	ERX1237083	ERR1163676	ERZ238087	FBIP01000001-FBIP01000029	IFRCC293	44227
C. coli	LDI9117	H075140555	CL3	19	1,586,266	400,622	31.75	221,408	155,336	3.0	5.0	SAMEA3683323	ERS990472	ERX1237115	ERR1163708	ERZ238119	FBKA01000001-FBKA01000019	IFRCC325	44259
C. coli	LDI9120	H065160534	CL3	16	1,584,127	416,828	31.69	154,415	126,658	3.0	6.0	SAMEA3683326	ERS990475	ERX1237118	ERR1163711	ERZ238122	FBJV01000001-FBJV01000016	IFRCC328	44262
C. coli	LDI9121	H085160742	CL3	19	1,575,536	513,268	31.70	384,054	153,203	2.0	4.0	SAMEA3683327	ERS990476	ERX1237119	ERR1163712	ERZ238123	FBJZ01000001-FBJZ01000019	IFRCC329	44263
C. coli	LDI9126	H094560713	CL3	19	1,571,211	411,025	31.71	388,017	133,565	2.0	5.0	SAMEA3683332	ERS990481	ERX1237124	ERR1163717	ERZ238128	FBKD01000001-FBKD01000019	IFRCC334	44268
C. coli	LDI9127	H093580324	CL3	24	1,576,067	409,080	31.76	380,935	79,479	2.0	6.0	SAMEA3683333	ERS990482	ERX1237125	ERR1163718	ERZ238129	FBKN01000001-FBKN01000024	IFRCC335	44269
C. coli	LDI9132	H090980249	CL3	36	1,565,295	382,101	31.80	205,203	127,721	3.0	6.0	SAMEA3683338	ERS990487	ERX1237130	ERR1163723	ERZ238134	FBKL01000001-FBKL01000036	IFRCC340	44274
C. coli	LDI9134	H065100506	CL3	25	1,582,941	418,047	31.74	162,953	116,798	3.0	6.0	SAMEA3683340	ERS990489	ERX1237132	ERR1163725	ERZ238136	FBKP01000001-FBKP01000025	IFRCC342	44276
C. coli	LDI9135	H072620566	CL3	28	1,588,712	388,326	31.68	152,761	98,898	4.0	7.0	SAMEA3683341	ERS990490	ERX1237133	ERR1163726	ERZ238137	FBKO01000001-FBKO01000028	IFRCC343	44277
C. coli	LDI9136	H094560720	CL3	15	1,563,989	402,503	31.75	213,742	160,883	3.0	5.0	SAMEA3683342	ERS990491	ERX1237134	ERR1163727	ERZ238138	FBKQ01000001-FBKQ01000015	IFRCC344	44278
C. coli	LDI9140	H070380306	CL3	53	1,604,517	414,832	31.76	161,352	117,855	3.0	6.0	SAMEA3683346	ERS990495	ERX1237138	ERR1163731	ERZ238142	FBKT01000001-FBKT01000053	IFRCC348	44282
C. coli	LDI9149	H085160749	CL3	45	1,616,762	214,459	31.64	129,220	78,095	5.0	9.0	SAMEA3683355	ERS990504	ERX1237147	ERR1163740	ERZ238151	FBLD01000001-FBLD01000045	IFRCC357	44291
C. coli	LDI9155	H081840386	CL3	18	1,604,809	427,445	31.70	409,770	135,738	2.0	5.0	SAMEA3683361	ERS990510	ERX1237153	ERR1163746	ERZ238157	FBLJ01000001-FBLJ01000018	IFRCC363	44297
C. coli	LDI9163	p568A	CL3	49	1,635,557	429,862	31.63	155,534	128,562	3.0	6.0	SAMEA3683369	ERS990518	ERX1237161	ERR1163754	ERZ238165	FBLT01000001-FBLT01000049	IFRCC371	44305
C. coli	LDI9195	p494C	CL3	20	1,585,290	404,249	31.69	153,251	113,789	4.0	7.0	SAMEA3683400	ERS990549	ERX1237192	ERR1163785	ERZ238196	FBMW01000001-FBMW01000020	IFRCC402	44336
C. coli	LDI9196	H053120426	CL3	21	1,606,983	411,456	31.66	159,010	128,166	3.0	6.0	SAMEA3683401	ERS990550	ERX1237193	ERR1163786	ERZ238197	FBMY01000001-FBMY01000021	IFRCC403	44337
C. coli	LDI9198	H075200522	CL3	34	1,571,203	379,040	31.79	202,679	134,054	3.0	6.0	SAMEA3683403	ERS990552	ERX1237195	ERR1163788	ERZ238199	FBMZ01000001-FBMZ01000034	IFRCC405	44339
C. coli	LDI9203	H081380695a	CL3	21	1,585,016	422,172	31.67	384,630	135,608	2.0	5.0	SAMEA3683407	ERS990556	ERX1237199	ERR1163792	ERZ238203	FBNU01000001-FBNU01000021	IFRCC409	44343
C. coli	LDI9205	H061680633	CL3	37	1,580,343	401,188	31.70	153,480	131,867	3.0	6.0	SAMEA3683409	ERS990558	ERX1237201	ERR1163794	ERZ238205	FBOE01000001-FBOE01000037	IFRCC411	44345
C. coli	LDI9207	H091000385	CL3	149	1,517,604	87,763	32.09	18,381	10,837	24.0	49.0	SAMEA3683411	ERS990560	ERX1237203	ERR1163796	ERZ238207	FBNE01000001-FBNE01000149	IFRCC413	44347
C. coli	LDI9868	H073220518	CL3	29	1,585,583	390,104	31.72	221,711	136,554	3.0	6.0	SAMEA3683413	ERS990562	ERX1237205	ERR1163798	ERZ238209	FBNQ01000001-FBNQ01000029	IFRCC415	44349
C. coli	LDI9871	H083420701	CL3	25	1,573,925	399,573	31.70	171,929	135,855	3.0	6.0	SAMEA3683416	ERS990565	ERX1237208	ERR1163801	ERZ238212	FBNT01000001-FBNT01000025	IFRCC418	44352
C. coli	LDI9876	H074080509	CL3	26	1,599,592	369,929	31.71	160,433	133,732	3.0	6.0	SAMEA3683421	ERS990570	ERX1237213	ERR1163806	ERZ238217	FBOA01000001-FBOA01000026	IFRCC423	44357
C. coli	LDI9879	H061980521b	CL3	32	1,604,877	409,639	31.70	158,298	116,144	3.0	6.0	SAMEA3683424	ERS990573	ERX1237216	ERR1163809	ERZ238220	FBNK01000001-FBNK01000032	IFRCC426	44360
C. coli	LDI9882	H083420694	CL3	26	1,584,734	288,888	31.65	182,015	135,410	4.0	6.0	SAMEA3683427	ERS990576	ERX1237219	ERR1163812	ERZ238223	FBNG01000001-FBNG01000026	IFRCC429	44363
C. coli	LDI9887	H113760461	CL3	23	1,595,980	266,249	31.71	154,812	121,142	4.0	7.0	SAMEA3683432	ERS990581	ERX1237224	ERR1163817	ERZ238228	FBOH01000001-FBOH01000023	IFRCC434	44368
C. coli	LDI9888	H074080511	CL3	14	1,578,108	417,140	31.65	161,870	131,995	3.0	6.0	SAMEA3683433	ERS990582	ERX1237225	ERR1163818	ERZ238229	FBNP01000001-FBNP01000014	IFRCC435	44369
C. coli	LDI9896	H043560441	CL3	21	1,547,954	414,543	31.80	409,623	127,460	2.0	5.0	SAMEA3683441	ERS990590	ERX1237233	ERR1163826	ERZ238237	FBOR01000001-FBOR01000021	IFRCC443	44377
C. coli	LDI9900	H051960469	CL3	20	1,649,586	423,861	31.58	209,986	136,128	3.0	5.0	SAMEA3683445	ERS990594	ERX1237237	ERR1163830	ERZ238241	FBOD01000001-FBOD01000020	IFRCC447	44381
C. coli	LDI9901	H071960681	CL3	21	1,565,587	424,087	31.85	181,234	158,333	3.0	5.0	SAMEA3683446	ERS990595	ERX1237238	ERR1163831	ERZ238242	FBNO01000001-FBNO01000021	IFRCC448	44382
C. coli	LDI9903	H124500577	CL3	205	1,764,583	269,843	31.74	135,239	45,054	5.0	10.0	SAMEA3683448	ERS990597	ERX1237240	ERR1163833	ERZ238244	FBOV01000001-FBOV010000205	IFRCC450	44384
C. coli	LDI9905	H124620276a	CL3	28	1,582,370	388,167	31.66	156,976	116,860	3.0	6.0	SAMEA3683450	ERS990599	ERX1237242	ERR1163835	ERZ238246	FBOI01000001-FBOI01000028	IFRCC452	44386
C. coli	LDI9909	H092260569b	CL3	18	1,563,993	422,592	31.78	387,819	154,875	2.0	4.0	SAMEA3683453	ERS990602	ERX1237245	ERR1163838	ERZ238249	FBNM01000001-FBNM01000018	IFRCC455	44389
C. coli	LDI9912	H042840283	CL3	35	1,601,325	458,876	31.66	177,825	82,728	3.0	6.0	SAMEA3683456	ERS990605	ERX1237248	ERR1163841	ERZ238252	FBPA01000001-FBPA01000035	IFRCC458	44392
C. coli	LDI9921	H132840800	CL3	20	1,552,400	414,562	31.87	159,058	133,610	3.0	6.0	SAMEA3683465	ERS990614	ERX1237257	ERR1163850	ERZ238261	FBPJ01000001-FBPJ01000020	IFRCC467	44401
C. coli	LDI9925	H063720401	CL3	31	1,599,159	398,627	31.72	153,266	135,852	4.0	7.0	SAMEA3683469	ERS990618	ERX1237261	ERR1163854	ERZ238265	FBPO01000001-FBPO01000031	IFRCC471	44405
C. coli	LDI9929	H102740169	CL3	24	1,617,533	429,542	31.62	212,626	133,444	3.0	5.0	SAMEA3683473	ERS990622	ERX1237265	ERR1163858	ERZ238269	FBPR01000001-FBPR01000024	IFRCC475	44409
C. coli	LDI9934	P635B	CL3	20	1,538,383	417,317	31.83	155,930	110,739	3.0	6.0	SAMEA3683478	ERS990627	ERX1237270	ERR1163863	ERZ238274	FBPX01000001-FBPX01000020	IFRCC480	44414
C. coli	LDI9941	H110340458	CL3	41	1,598,008	400,360	31.70	154,285	127,446	3.0	6.0	SAMEA3683485	ERS990634	ERX1237277	ERR1163870	ERZ238281	FBQC01000001-FBQC01000041	IFRCC487	44421
C. coli	LDI9952	H133380250	CL3	41	1,662,052	400,424	31.52	153,044	122,120	4.0	7.0	SAMEA3683495	ERS990644	ERX1237287	ERR1163880	ERZ238291	FBQM01000001-FBQM01000041	IFRCC497	44431
C. coli	LDI9953	H072760517	CL3	25	1,573,434	420,562	31.79	398,039	127,700	2.0	5.0	SAMEA3683496	ERS990645	ERX1237288	ERR1163881	ERZ238292	FBQO01000001-FBQO01000025	IFRCC498	44432
C. coli	LDI9957	H042280284	CL3	30	1,589,465	418,691	31.68	151,864	109,836	4.0	7.0	SAMEA3683500	ERS9						

stdev	40	78,169	162,979	0.19	170,375	165,736	2.1	4.8
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the length for which the collection of all contigs of that length or longer contains at least 50% of the sum of the lengths of all contigs (higher is better)

the length for which the collection of all contigs of that length or longer contains at least 75% of the sum of the lengths of all contigs (higher is better)

the number of scaffolds that accounts for more than 50% of the genome assembly (lower is better)

the number of scaffolds that accounts for more than 75% of the genome assembly (lower is better)



**Supplementary Table S4.** Presence/absence analysis of genes/gene clusters known to be differentially distributed in *C. jejuni* and *C. coli*

CfrA: iron uptake system, Cj0755 in *C. jejuni* NCTC 11168

Cj1365c: secreted protease, Cj1365c in *C. jejuni* NCTC 11168

dmsABCD: dimethyl sulfoxide reductase system, CJJ81176\_1570-CJJ81176\_1573 in *C. jejuni* 81-176

Flagmod: flagellar modification system, Cj1321-Cj1326 in *C. jejuni* NCTC 11168

Fucose: fucose utilisation gene cluster, Cj0480c-Cj0490 in *C. jejuni* NCTC 11168

GGT: gamma glutamyl transferase, CJJ81176\_0067 in *C. jejuni* 81-176

lactate: second lactate oxidase gene, Cj1585c in *C. jejuni* NCTC 11168

T6SS: type VI secretion system, CCOA0129-CCOA0141 in *C. coli* RM2228

vitB5: vitamine B5 biosynthesis cluster, Cj0296c-Cj0298c in *C. jejuni* NCTC 11168

species	Isolate name	Sample code	Clade/cluster	CfrA	Cj1365c	dmsABCD	Flagmod	Fucose	GGT	lactate	T6SS	vitB5
C. coli	NCTC12569	LDI6741	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	CCN264	LDI9192	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H043940494	LDI9880	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H121240502	LDI9914	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H043920292	LDI9915	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	partial t6ss	vitB5
C. coli	H130600457	LDI12930	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	partial t6ss	vitB5
C. coli	UNLL3.1	LDI6793	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	NCTC11353	LDI9883	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	p604A	LDI9933	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	p588B	LDI9133	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H075200514	LDI9164	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H114640463b	LDI9931	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H062580346	LDI9145	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H061980521a	LDI9156	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H094560717	LDI9899	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H104860240	LDI12914	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H060260417	LDI12898	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	t6ss	vitB5
C. coli	H072820536	LDI9878	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	H072820535	LDI13539	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	H044220458	LDI12970	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	H054000444	LDI9902	CL1-cluster A	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H060280132	LDI9877	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNAJC222	LDI6757	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	1535	LDI4910	CL1-cluster A	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H044660164	LDI9139	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5

C. coli	H132680116	LDI9890	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNAJL222	LDI6785	CL1-cluster A	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	H125280575	LDI9137	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H043880651	LDI9872	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	UNLLIII	LDI6773	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H063800417	LDI9949	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H124620276b	LDI9927	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	UNNQFC9	LDI9167	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	UNOR581A	LDI6774	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	UNES15	LDI6769	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H121060205	LDI9895	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	CCN349	LDI6803	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	EC0349	LDI6828	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	SS_2356	LDI13619	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H110420358	LDI12906	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H112160325	LDI12899	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H112160324	LDI12957	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H090520713	LDI9910	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H134460277	LDI9919	CL1-cluster A	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5
C. coli	15-537360	Cc42yr	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	SS_2322	LDI14946	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2329	LDI14948	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H094280625	LDI9950	CL1-cluster A	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	H120880379	LDI12948	CL1-cluster A	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	H132760143	LDI12963	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H044040580	LDI12941	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H081820599a	LDI12919	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	UNF383D	LDI6742	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H063800423	LDI9959	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H073900238	LDI9870	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H072620568	LDI9894	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H130500174	LDI9939	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H081380695b	LDI9936	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H133040289	LDI13538	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H120880380	LDI12907	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H132600169	LDI12962	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H051160594	LDI9920	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5

C. coli	H132580228	LDI12964	CL1-cluster A	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	H103480422	LDI9942	CL1-cluster A	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5
C. coli	H063540531	LDI9886	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H102740168	LDI9875	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	NCTC12570	LDI6766	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	H132580239	LDI9940	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2357	LDI13611	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H053280346	LDI9911	CL1-cluster A	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5
C. coli	H063900532	LDI9930	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H084040382a	LDI9119	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2295	LDI13607	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	BRISPIG3	LDI6770	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNQMCIIS16	LDI9182	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	NCTC11437	LDI6765	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H121760164	LDI9946	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H121240507	LDI12931	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H132580232	LDI9874	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	SS_2289	LDI14947	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	UNOR8693b	LDI9174	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	UNOR383B	LDI6825	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H140200373	LDI9173	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H063900401	LDI9131	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H043200357	LDI12908	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	UNOR5482c	LDI9177	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H105280404	LDI12949	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2294	LDI13614	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H102520382	LDI12938	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	BRISLC31-1	LDI6737	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	BRIS1041X	LDI6786	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H132760142	LDI9884	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	H073700405	LDI9889	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	SS_2296	LDI13631	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H103060185	LDI12971	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H093100604	LDI9943	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H102380405	LDI12893	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H142080277	LDI9918	CL1-cluster A	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H125000370	LDI9916	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5

C. coli	SS_2362	LDI14925	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2238	LDI13632	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2271	LDI13629	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2249	LDI14944	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2326	LDI13627	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2278	LDI13626	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2315	LDI13621	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2226	LDI13616	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2266	LDI13625	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2291	LDI13628	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2279	LDI13634	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2349	LDI13613	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2276	LDI13635	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2318	LDI13617	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2325	LDI13623	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2285	LDI13633	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2230	LDI13624	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2352	LDI13622	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2351	LDI13612	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	SS_2286	LDI13620	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	H102240159	LDI9945	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	UNES9	LDI6753	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H120960536	LDI9944	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	NCTC12567	LDI6750	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN20	LDI6826	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p588D	LDI9146	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H123080386	LDI9129	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H133020651a	LDI12901	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN19	LDI6814	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SWAN350	LDI9170	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H054900335	LDI9958	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p515D	LDI12939	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p515A	LDI12973	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN289	LDI9194	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p495B	LDI12900	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p515B	LDI9130	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p495D	LDI9171	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5



C. coli	p494B	LDI12954	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p546C	LDI9158	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H133020651b	LDI9147	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN245	LDI6747	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN177	LDI6772	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN246	LDI6755	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN178	LDI6780	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H083960630	LDI9907	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H070680142	LDI9885	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H140420240	LDI9188	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN397	LDI6748	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H090660740	LDI9923	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNCIC2	LDI6801	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H043940500	LDI9951	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H054000445	LDI9913	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p494D	LDI9172	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H132480140	LDI9937	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H093580323	LDI9204	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H112820480	LDI9917	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p495c	LDI9960	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H090780151	LDI9208	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H095340114a	LDI12923	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H095340114b	LDI9116	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H093960099	LDI9924	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p474B	LDI9144	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SWAN195-3	LDI9154	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H102240161	LDI12915	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H074360315	LDI9897	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	NCTC12568	LDI9891	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H140420134	LDI6789	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H051080182	LDI9206	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H092260570	LDI9956	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN257	LDI6771	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN205	LDI6767	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN355	LDI6800	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN357	LDI6819	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H131800148	LDI12917	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5

C. coli	H042120298	LDI9935	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H103600372	LDI9892	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	EC3444	LDI9187	CL1-cluster A	CfrA	absent	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	UNOR532A	LDI6790	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	UNOR4451c	LDI9176	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	UNOR7592c	LDI9175	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	H092660305	LDI9881	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC1293	LDI6776	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p604D	LDI9165	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNF5421c	LDI9179	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNOR10622c	LDI9178	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	t6ss	vitB5
C. coli	CCN26	LDI9185	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN123	LDI6796	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	NCTC11438	LDI9183	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN265	LDI6812	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN124	LDI6830	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN181	LDI6810	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNOR13691b	LDI9180	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN56	LDI6795	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H132340486	LDI12925	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H140660843	LDI6813	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3782	LDI12968	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3466	LDI6816	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5947	LDI13579	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6299	LDI13592	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4722	LDI13591	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3511	LDI6760	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3735	LDI12895	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3521	LDI12977	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3875	LDI12943	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3693	LDI12953	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4946	LDI13583	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5240b	LDI13597	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2284	LDI13610	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5850	LDI13559	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5721	LDI14936	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6304	LDI13567	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5

C. coli	EC4956	LDI14940	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5905	LDI13568	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4267	LDI14931	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3940	LDI13545	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN55	LDI9186	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3369	LDI12936	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4356	LDI13572	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4690	LDI13588	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3721	LDI13605	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6158	LDI13550	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5479	LDI12913	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3444	LDI12981	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3344	LDI6815	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5923	LDI13560	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4287	LDI13573	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3607	LDI12921	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5072	LDI14941	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3525	LDI12896	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3748	LDI12929	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5183	LDI13603	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3365	LDI6752	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4277	LDI13594	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4214	LDI12905	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3928	LDI13586	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3774	LDI12958	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3356	LDI6808	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3689	LDI13602	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3160	LDI6807	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6203	LDI13554	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3705	LDI13589	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3727	LDI12944	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3627	LDI12952	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3474	LDI12910	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4768	LDI13595	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5726	LDI12903	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4098	LDI14928	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3326	LDI12961	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5

C. coli	EC5899	LDI14926	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6016	LDI13542	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6124	LDI13561	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3361	LDI6784	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3756	LDI12926	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3631	LDI12966	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3623	LDI13593	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3338	LDI12937	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3956	LDI12942	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3397	LDI13570	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3713	LDI12974	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3373	LDI6746	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3381	LDI6792	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4258	LDI13574	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5693	LDI14943	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3611	LDI13578	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3501	LDI12912	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5246a	LDI13566	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5520	LDI13580	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6173	LDI13584	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3478	LDI6762	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3725	LDI12969	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3529	LDI12927	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4462	LDI13569	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5992	LDI13599	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3400	LDI12959	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5240a	LDI13543	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5679	LDI13555	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3298	LDI6817	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3370	LDI12951	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5246b	LDI13601	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6047	LDI13563	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4383	LDI13587	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6122	LDI14942	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3537	LDI12980	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4835	LDI14930	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4448	LDI13540	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5

C. coli	EC5259	LDI13553	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4978	LDI13598	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3348	LDI13547	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4910	LDI14937	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3505	LDI13548	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3786	LDI13546	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3490	LDI6768	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4808	LDI14933	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4530	LDI13590	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4473	LDI13575	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5338	LDI14939	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4709	LDI13562	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3533	LDI12967	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4951	LDI12976	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3390	LDI6754	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6049	LDI14934	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4685	LDI13600	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4393	LDI13544	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3575	LDI12975	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4593	LDI13596	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5531	LDI13565	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3322	LDI6827	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3619	LDI12945	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5806	LDI14929	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3879	LDI12950	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3389	LDI12928	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3385	LDI6799	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC6168	LDI13549	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4102	LDI13604	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3498	LDI6744	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4194	LDI12935	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3357	LDI6809	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4730	LDI12960	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4675	LDI13585	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5841	LDI13551	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3849	LDI12904	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4297	LDI14927	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5

C. coli	EC3731	LDI12918	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4868	LDI13564	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5604	LDI13558	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3615	LDI12897	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC5983	LDI14932	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3146	LDI6736	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4250	LDI13582	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4242	LDI13581	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4238	LDI14935	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H065100499	LDI9143	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN64	LDI6831	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p546D	LDI9138	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H132940658	LDI9938	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN119	LDI6788	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN72	LDI6794	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN288	LDI6738	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN292	LDI6829	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN59	LDI6811	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN293	LDI6802	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN71	LDI6804	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H140460193	LDI9193	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN60	LDI6740	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN154	LDI6764	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN153	LDI6756	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H053780444	LDI12978	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNQMCII518a	LDI12911	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN182	LDI9181	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p568B	LDI12916	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H114640463a	LDI9150	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SWAN392	LDI9162	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p635D	LDI9118	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p604B	LDI9157	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H040680225	LDI12924	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p635A	LDI9128	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H062180535	LDI12946	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p474A	LDI9124	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p546B	LDI9115	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5

C. coli	p546A	LDI9201	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H132760749	LDI12909	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	CCN120	LDI6739	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H072680465	LDI9906	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H111620356	LDI12932	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	p474C	LDI9125	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H084040382b	LDI9932	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H081940749	LDI9200	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC3952	LDI13576	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	EC4060	LDI12934	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H073180384	LDI9123	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H043900429	LDI9961	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H092260569a	LDI9904	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	H091320788	LDI9926	CL1-cluster A	CfrA	absent	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	UNF491c	LDI12902	CL1-cluster B	CfrA	Cj1365c	absent	absent	fucose	absent	lactate	absent	vitB5
C. coli	H062140681	LDI9955	CL1-cluster B	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2234	LDI13615	CL1-cluster B	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2261	LDI13606	CL1-cluster B	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2263	LDI13608	CL1-cluster B	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2252	LDI13609	CL1-cluster B	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2246	LDI13618	CL1-cluster B	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SS_2283	LDI13630	CL1-cluster B	CfrA	Cj1365c	absent	Flagmod	fucose	absent	lactate	absent	vitB5
C. coli	SWAN249	LDI6743	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	SWAN269	LDI9161	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	p494A	LDI9148	CL1-cluster C	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5
C. coli	H102680185	LDI9928	CL1-cluster C	CfrA	absent	absent	absent	absent	absent	lactate	partial t6ss	vitB5
C. coli	SWAN333	LDI12894	CL1-cluster C	CfrA	absent	absent	absent	absent	absent	lactate	partial t6ss	vitB5
C. coli	p568C	LDI9151	CL1-cluster C	CfrA	absent	absent	absent	absent	absent	lactate	partial t6ss	vitB5
C. coli	SWAN342	LDI9169	CL1-cluster C	CfrA	absent	absent	absent	absent	absent	lactate	partial t6ss	vitB5
C. coli	SWAN407	LDI6781	CL1-cluster C	CfrA	absent	absent	absent	absent	absent	lactate	partial t6ss	vitB5
C. coli	SWAN393	LDI9160	CL1-cluster C	CfrA	absent	absent	absent	absent	absent	lactate	partial t6ss	vitB5
C. coli	SWAN361	LDI9153	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	SWAN195-1	LDI6735	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	SWAN331	LDI6745	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H091320792	LDI12892	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	NCTC13006	LDI6805	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H055260498	LDI6749	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	partial t6ss	vitB5

C. coli	SS_2268	LDI14945	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	partial t6ss	vitB5
C. coli	N11D1	LDI4908	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	partial t6ss	vitB5
C. coli	H085160740	LDI9197	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	H081380701	LDI9954	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	SWAN254	LDI12979	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	partial t6ss	vitB5
C. coli	UNOR9553d	LDI9168	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	partial t6ss	vitB5
C. coli	SWAN261	LDI6759	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	partial t6ss	vitB5
C. coli	SWAN288	LDI6783	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	partial t6ss	vitB5
C. coli	H053320338	LDI12933	CL1-cluster C	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	SWAN308	LDI6751	CL2	CfrA	absent	absent	Flagmod	absent	GGT	lactate	t6ss	vitB5
C. coli	H105160209	LDI9948	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	1718	LDI4911	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H054340287	LDI9898	CL2	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5
C. coli	H091320798	LDI9141	CL2	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5
C. coli	C8C3	LDI4906	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	B15B3	LDI4900	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	K11	LDI4905	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	F15D2	LDI4898	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	UNOR14731d	LDI9166	CL2	CfrA	absent	absent	absent	absent	GGT	lactate	partial t6ss	vitB5
C. coli	H091940890	LDI9869	CL2	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5
C. coli	H094560718	LDI9142	CL2	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	W17A	LDI12920	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	W17C	LDI13552	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	W17B	LDI13556	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	W17D	LDI13577	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	p515C	LDI9159	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	EC5640	LDI13571	CL2	CfrA	absent	absent	absent	absent	GGT	lactate	t6ss	vitB5
C. coli	EC5496	LDI14938	CL2	CfrA	absent	absent	absent	absent	GGT	lactate	t6ss	vitB5
C. coli	H043880653	LDI9893	CL2	CfrA	absent	absent	absent	absent	GGT	lactate	t6ss	vitB5
C. coli	M2D2	LDI4907	CL2	CfrA	absent	absent	Flagmod	absent	GGT	lactate	t6ss	vitB5
C. coli	F5A2	LDI4901	CL2	CfrA	absent	absent	Flagmod	absent	GGT	lactate	t6ss	vitB5
C. coli	A12B2	LDI4914	CL2	CfrA	absent	absent	Flagmod	absent	GGT	lactate	t6ss	vitB5
C. coli	H055260517	LDI12891	CL2	CfrA	absent	absent	Flagmod	absent	GGT	lactate	t6ss	vitB5
C. coli	H055260513	LDI9873	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	SWAN325	LDI6791	CL2	CfrA	absent	absent	Flagmod	absent	GGT	lactate	t6ss	vitB5
C. coli	H093580632	LDI9922	CL2	CfrA	absent	absent	absent	absent	GGT	lactate	t6ss	vitB5
C. coli	p474D	LDI9202	CL2	CfrA	absent	absent	absent	absent	absent	lactate	absent	vitB5



C. coli	SWAN409	LDI12965	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	SWAN337	LDI9152	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	absent	vitB5
C. coli	CCN398	LDI9189	CL2	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	SWAN372	LDI9190	CL2	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	SWAN408	LDI6782	CL2	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	F14B4C4	LDI4913	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	M4A4	LDI4912	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	M5D4	LDI4897	CL2	CfrA	absent	absent	Flagmod	absent	absent	lactate	t6ss	vitB5
C. coli	H092560131	LDI9122	CL2	CfrA	absent	absent	absent	absent	absent	lactate	t6ss	vitB5
C. coli	H072760517	LDI9953	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H070380306	LDI9140	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H082280513	LDI12955	CL3	CfrA	Cj1365c	dmsO	absent	absent	absent	absent	absent	vitB5
C. coli	H073220518	LDI9868	CL3	CfrA	Cj1365c	dmsO	absent	absent	absent	absent	absent	vitB5
C. coli	O6C1	LDI4909	CL3	CfrA	Cj1365c	dmsO	absent	absent	absent	absent	absent	vitB5
C. coli	H124500577	LDI9903	CL3	CfrA	Cj1365c	dmsO	absent	fucose	GGT	absent	absent	vitB5
C. coli	H042280284	LDI9957	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H060960756	LDI6734	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H060960757	LDI6758	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H060740717	LDI6797	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H081840386	LDI9155	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H061980521b	LDI9879	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	p494C	LDI9195	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	p568A	LDI9163	CL3	CfrA	Cj1365c	dmsO	Flagmod	fucose	GGT	absent	absent	vitB5
C. coli	H102740169	LDI9929	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H085160749	LDI9149	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	P635B	LDI9934	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H091000385	LDI9207	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H071960681	LDI9901	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H090980249	LDI9132	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H074080511	LDI9888	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H072620566	LDI9135	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H113760461	LDI9887	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H132840800	LDI9921	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	SWAN264	LDI6775	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H124620276a	LDI9905	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	absent	absent	absent	vitB5
C. coli	H083420694	LDI9882	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	D13A4	LDI4902	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5

C. coli	H094560720	LDI9136	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H065100506	LDI9134	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H094860392	LDI12972	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H065160534	LDI9120	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H094560713	LDI9126	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H042840283	LDI9912	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H063720401	LDI9925	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H082560569	LDI12922	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H093580324	LDI9127	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H082280515	LDI12947	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	C9A1	LDI4896	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H133380250	LDI9952	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H083420701	LDI9871	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H075140555	LDI9117	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H073180383	LDI12940	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H073580401	LDI12956	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H085160742	LDI9121	CL3	absent	Cj1365c	dmsO	absent	absent	absent	absent	absent	vitB5
C. coli	H053120426	LDI9196	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H043560441	LDI9896	CL3	absent	Cj1365c	dmsO	absent	absent	absent	absent	absent	vitB5
C. coli	H074080509	LDI9876	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H092260569b	LDI9909	CL3	absent	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H061680633	LDI9205	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H110340458	LDI9941	CL3	CfrA	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	H081380695a	LDI9203	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H051960469	LDI9900	CL3	CfrA	Cj1365c	dmsO	absent	absent	GGT	absent	absent	vitB5
C. coli	H075200522	LDI9198	CL3	CfrA	Cj1365c	dmsO	absent	fucose	GGT	absent	absent	vitB5
C. coli	K3D1	LDI4899	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5
C. coli	EC6147	LDI13557	CL3	absent	Cj1365c	dmsO	Flagmod	absent	GGT	absent	absent	vitB5

**Supplementary Table S5.** Presence/absence analysis of mobile genetic elements and plasmids of *C. jejuni* and *C. coli*

CJIE1: mobile element from *C. jejuni* RM1221, genes CJE0213-CJE0273

CJIE2: mobile element from *C. jejuni* RM1221, genes CJE0544-CJE0601

CJIE3: mobile element from *C. jejuni* RM1221, genes CJE1092-CJE1155. Incomplete indicates large sections missing

CJIE4: mobile element from *C. jejuni* RM1221, genes CJE1418-CJE1474

pCC31: plasmid from *C. coli*

pTet: plasmid from *C. coli* and *C. jejuni*

pVir: plasmid from *C. coli* and *C. jejuni*

species	Isolate name	Sample code	Clade/cluster	CJIE1	CJIE2	CJIE3	CJIE4	pCC31	pTet	pVir
<i>C. coli</i>	NCTC12569	LDI6741	CL1-cluster A	CJIE1	CJIE2	incomplete IE3	absent	absent	absent	absent
<i>C. coli</i>	CCN264	LDI9192	CL1-cluster A	absent	absent	incomplete IE3	absent	absent	absent	absent
<i>C. coli</i>	H043940494	LDI9880	CL1-cluster A	absent	CJIE2	incomplete IE3	absent	absent	pTet	absent
<i>C. coli</i>	H121240502	LDI9914	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	H043920292	LDI9915	CL1-cluster A	absent	absent	incomplete IE3	absent	absent	absent	absent
<i>C. coli</i>	H130600457	LDI12930	CL1-cluster A	absent	absent	incomplete IE3	absent	absent	absent	absent
<i>C. coli</i>	UNLL3.1	LDI6793	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	NCTC11353	LDI9883	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	p604A	LDI9933	CL1-cluster A	absent	absent	incomplete IE3	absent	absent	absent	absent
<i>C. coli</i>	p588B	LDI9133	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	H075200514	LDI9164	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	H114640463b	LDI9931	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	H062580346	LDI9145	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	H061980521a	LDI9156	CL1-cluster A	absent	absent	incomplete IE3	absent	absent	pTet	absent
<i>C. coli</i>	H094560717	LDI9899	CL1-cluster A	absent	absent	incomplete IE3	absent	absent	absent	absent
<i>C. coli</i>	H104860240	LDI12914	CL1-cluster A	absent	absent	incomplete IE3	absent	pCC31	pTet	pVir
<i>C. coli</i>	H060260417	LDI12898	CL1-cluster A	absent	CJIE2	incomplete IE3	absent	pCC31	absent	absent
<i>C. coli</i>	H072820536	LDI9878	CL1-cluster A	absent	absent	absent	absent	pCC31	absent	absent
<i>C. coli</i>	H072820535	LDI13539	CL1-cluster A	absent	absent	absent	absent	pCC31	absent	absent
<i>C. coli</i>	H044220458	LDI12970	CL1-cluster A	absent	CJIE2	incomplete IE3	absent	absent	absent	absent
<i>C. coli</i>	H054000444	LDI9902	CL1-cluster A	absent	CJIE2	absent	absent	pCC31	absent	absent
<i>C. coli</i>	H060280132	LDI9877	CL1-cluster A	CJIE1	absent	absent	absent	absent	absent	absent
<i>C. coli</i>	UNAJC222	LDI6757	CL1-cluster A	absent	CJIE2	absent	absent	absent	absent	absent
<i>C. coli</i>	1535	LDI4910	CL1-cluster A	absent	CJIE2	absent	absent	pCC31	absent	absent
<i>C. coli</i>	H044660164	LDI9139	CL1-cluster A	absent	CJIE2	absent	absent	absent	absent	absent
<i>C. coli</i>	H132680116	LDI9890	CL1-cluster A	absent	CJIE2	absent	absent	pCC31	pTet	absent
<i>C. coli</i>	UNAJL222	LDI6785	CL1-cluster A	absent	CJIE2	incomplete IE3	absent	absent	absent	absent



C. coli	H063540531	LDI9886	CL1-cluster A	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H102740168	LDI9875	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent
C. coli	NCTC12570	LDI6766	CL1-cluster A	absent	absent	CJIE3	absent	absent	pTet	absent
C. coli	H132580239	LDI9940	CL1-cluster A	CJIE1	absent	absent	absent	absent	absent	absent
C. coli	SS_2357	LDI13611	CL1-cluster A	CJIE1	CJIE2	absent	absent	pCC31	absent	absent
C. coli	H053280346	LDI9911	CL1-cluster A	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H063900532	LDI9930	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent
C. coli	H084040382a	LDI9119	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent
C. coli	SS_2295	LDI13607	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent
C. coli	BRISPIG3	LDI6770	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent
C. coli	UNQMCIIIS16	LDI9182	CL1-cluster A	absent	absent	absent	absent	absent	absent	pVir
C. coli	NCTC11437	LDI6765	CL1-cluster A	absent	absent	absent	absent	absent	absent	pVir
C. coli	H121760164	LDI9946	CL1-cluster A	CJIE1	absent	absent	absent	absent	absent	absent
C. coli	H121240507	LDI12931	CL1-cluster A	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H132580232	LDI9874	CL1-cluster A	CJIE1	absent	CJIE3	absent	pCC31	pTet	absent
C. coli	SS_2289	LDI14947	CL1-cluster A	absent	absent	absent	absent	pCC31	pTet	absent
C. coli	UNOR8693b	LDI9174	CL1-cluster A	CJIE1	absent	absent	absent	pCC31	absent	absent
C. coli	UNOR383B	LDI6825	CL1-cluster A	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H140200373	LDI9173	CL1-cluster A	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H063900401	LDI9131	CL1-cluster A	absent	CJIE2	absent	absent	absent	absent	absent
C. coli	H043200357	LDI12908	CL1-cluster A	absent	absent	absent	absent	pCC31	pTet	absent
C. coli	UNOR5482c	LDI9177	CL1-cluster A	CJIE1	absent	absent	absent	pCC31	absent	absent
C. coli	H105280404	LDI12949	CL1-cluster A	CJIE1	absent	absent	absent	pCC31	absent	absent
C. coli	SS_2294	LDI13614	CL1-cluster A	CJIE1	absent	absent	absent	pCC31	absent	absent
C. coli	H102520382	LDI12938	CL1-cluster A	CJIE1	absent	CJIE3	absent	pCC31	pTet	absent
C. coli	BRISLC31-1	LDI6737	CL1-cluster A	absent	CJIE2	absent	absent	pCC31	absent	absent
C. coli	BRIS1041X	LDI6786	CL1-cluster A	absent	CJIE2	absent	absent	pCC31	absent	absent
C. coli	H132760142	LDI9884	CL1-cluster A	absent	CJIE2	CJIE3	absent	pCC31	pTet	absent
C. coli	H073700405	LDI9889	CL1-cluster A	absent	CJIE2	CJIE3	absent	pCC31	pTet	pVir
C. coli	SS_2296	LDI13631	CL1-cluster A	CJIE1	absent	absent	absent	pCC31	absent	pVir
C. coli	H103060185	LDI12971	CL1-cluster A	absent	absent	CJIE3	absent	pCC31	pTet	absent
C. coli	H093100604	LDI9943	CL1-cluster A	absent	absent	CJIE3	absent	pCC31	pTet	absent
C. coli	H102380405	LDI12893	CL1-cluster A	absent	absent	CJIE3	absent	pCC31	pTet	absent
C. coli	H142080277	LDI9918	CL1-cluster A	absent	absent	CJIE3	absent	pCC31	pTet	absent
C. coli	H125000370	LDI9916	CL1-cluster A	CJIE1	absent	absent	absent	absent	absent	absent
C. coli	SS_2362	LDI14925	CL1-cluster A	CJIE1	absent	absent	absent	pCC31	absent	absent
C. coli	SS_2238	LDI13632	CL1-cluster A	CJIE1	absent	absent	absent	pCC31	pTet	absent



C. coli	H133020651b	LDI9147	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	CCN245	LDI6747	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	CCN177	LDI6772	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	CCN246	LDI6755	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	CCN178	LDI6780	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H083960630	LDI9907	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H070680142	LDI9885	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H140420240	LDI9188	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	CCN397	LDI6748	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H090660740	LDI9923	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	UNCIC2	LDI6801	CL1-cluster A	absent	absent	absent	absent	absent	absent	pTet	absent
C. coli	H043940500	LDI9951	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H054000445	LDI9913	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	p494D	LDI9172	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H132480140	LDI9937	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H093580323	LDI9204	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H112820480	LDI9917	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	p495c	LDI9960	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H090780151	LDI9208	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H095340114a	LDI12923	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H095340114b	LDI9116	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H093960099	LDI9924	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	p474B	LDI9144	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	SWAN195-3	LDI9154	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H102240161	LDI12915	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H074360315	LDI9897	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	NCTC12568	LDI9891	CL1-cluster A	CJIE1	absent	absent	absent	absent	pCC31	pTet	absent
C. coli	H140420134	LDI6789	CL1-cluster A	absent	CJIE2	absent	absent	absent	pCC31	pTet	absent
C. coli	H051080182	LDI9206	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H092260570	LDI9956	CL1-cluster A	absent	CJIE2	absent	absent	absent	absent	absent	pVir
C. coli	CCN257	LDI6771	CL1-cluster A	CJIE1	absent	absent	absent	absent	pCC31	absent	absent
C. coli	CCN205	LDI6767	CL1-cluster A	CJIE1	absent	absent	absent	absent	pCC31	absent	absent
C. coli	CCN355	LDI6800	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	CCN357	LDI6819	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H131800148	LDI12917	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	absent	absent
C. coli	H042120298	LDI9935	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	pTet	absent
C. coli	H103600372	LDI9892	CL1-cluster A	absent	absent	absent	absent	absent	pCC31	pTet	absent













C. coli	CCN120	LDI6739	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H072680465	LDI9906	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H111620356	LDI12932	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	p474C	LDI9125	CL1-cluster A	CJIE1	absent	absent	absent	absent	absent	absent	absent
C. coli	H084040382b	LDI9932	CL1-cluster A	CJIE1	absent	absent	absent	absent	absent	absent	absent
C. coli	H081940749	LDI9200	CL1-cluster A	CJIE1	absent	absent	absent	absent	absent	absent	absent
C. coli	EC3952	LDI13576	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	EC4060	LDI12934	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H073180384	LDI9123	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H043900429	LDI9961	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H092260569a	LDI9904	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	H091320788	LDI9926	CL1-cluster A	absent	absent	absent	absent	absent	absent	absent	absent
C. coli	UNF491c	LDI12902	CL1-cluster B	absent	CJIE2	absent	absent	absent	absent	absent	absent
C. coli	H062140681	LDI9955	CL1-cluster B	absent	CJIE2	absent	absent	absent	pTet	absent	absent
C. coli	SS_2234	LDI13615	CL1-cluster B	CJIE1	CJIE2	absent	absent	absent	absent	absent	absent
C. coli	SS_2261	LDI13606	CL1-cluster B	CJIE1	CJIE2	absent	absent	absent	absent	absent	absent
C. coli	SS_2263	LDI13608	CL1-cluster B	CJIE1	CJIE2	absent	absent	absent	absent	absent	absent
C. coli	SS_2252	LDI13609	CL1-cluster B	CJIE1	CJIE2	absent	absent	absent	absent	absent	absent
C. coli	SS_2246	LDI13618	CL1-cluster B	CJIE1	CJIE2	absent	absent	absent	absent	absent	absent
C. coli	SS_2283	LDI13630	CL1-cluster B	CJIE1	CJIE2	absent	absent	absent	absent	absent	absent
C. coli	SWAN249	LDI6743	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN269	LDI9161	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	p494A	LDI9148	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	H102680185	LDI9928	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN333	LDI12894	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	p568C	LDI9151	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN342	LDI9169	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN407	LDI6781	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN393	LDI9160	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN361	LDI9153	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN195-1	LDI6735	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SWAN331	LDI6745	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	H091320792	LDI12892	CL1-cluster C	absent	absent	incomplete IE3	absent	pCC31	absent	absent	absent
C. coli	NCTC13006	LDI6805	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	H055260498	LDI6749	CL1-cluster C	absent	CJIE2	incomplete IE3	absent	absent	absent	absent	absent
C. coli	SS_2268	LDI14945	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent	absent
C. coli	N11D1	LDI4908	CL1-cluster C	absent	CJIE2	incomplete IE3	absent	absent	absent	absent	absent

C. coli	H085160740	LDI9197	CL1-cluster C	absent	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	H081380701	LDI9954	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	pTet	absent
C. coli	SWAN254	LDI12979	CL1-cluster C	absent	CJIE2	incomplete IE3	absent	absent	pTet	absent
C. coli	UNOR9553d	LDI9168	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	SWAN261	LDI6759	CL1-cluster C	absent	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	SWAN288	LDI6783	CL1-cluster C	absent	absent	incomplete IE3	absent	absent	pTet	absent
C. coli	H053320338	LDI12933	CL1-cluster C	CJIE1	CJIE2	incomplete IE3	absent	pCC31	absent	absent
C. coli	SWAN308	LDI6751	CL2	absent	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	H105160209	LDI9948	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	1718	LDI4911	CL2	absent	absent	incomplete IE3	absent	pCC31	pTet?	absent
C. coli	H054340287	LDI9898	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	H091320798	LDI9141	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	C8C3	LDI4906	CL2	absent	absent	incomplete IE3	absent	absent	pTet	absent
C. coli	B15B3	LDI4900	CL2	absent	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	K11	LDI4905	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	F15D2	LDI4898	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	UNOR14731d	LDI9166	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	H091940890	LDI9869	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	H094560718	LDI9142	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	W17A	LDI12920	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	W17C	LDI13552	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	W17B	LDI13556	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	W17D	LDI13577	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	p515C	LDI9159	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	EC5640	LDI13571	CL2	CJIE1	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	EC5496	LDI14938	CL2	CJIE1	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	H043880653	LDI9893	CL2	CJIE1	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	M2D2	LDI4907	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	F5A2	LDI4901	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	A12B2	LDI4914	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	H055260517	LDI12891	CL2	absent	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	H055260513	LDI9873	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	SWAN325	LDI6791	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	H093580632	LDI9922	CL2	absent	CJIE2	incomplete IE3	absent	absent	absent	absent
C. coli	p474D	LDI9202	CL2	absent	absent	incomplete IE3	absent	absent	absent	absent
C. coli	SWAN409	LDI12965	CL2	absent	absent	incomplete IE3	absent	absent	pTet?	absent
C. coli	SWAN337	LDI9152	CL2	absent	CJIE2	incomplete IE3	absent	absent	absent	absent



















**Supplementary Table S7.** Presence/absence analysis of antimicrobial resistance markers in *C. coli* isolates included in this study  
 AMR genes screened for were *aac1*, *aac2*, *aac6-aph2*, *aad9*, *aadE*, *antA*, *aph2-la/lb/lc/lf/lg/lh/lm*, *aphA3*, *aphA7*, *cat*, *ermB*, *hgh*, *lnuC*, *sat4*, and *tetO*.  
 Screened for the presence of the 23S rRNA mutations associated with macrolide resistance (A2074G and A2075G, also known as A2058G and A2059G/A2142G and A2143G).  
 Screened for the presence of the Threonine>Isoleucine (T86I) mutation in the GyrA gyrase, associated with fluoroquinolone resistance.

species	Isolate name	Sample code	Clade/cluster	aad9-aadE	antA	lnuC	tetO	blaOXA	Quinolone	Macrolide
C. coli	NCTC12569	LDI6741	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN264	LDI9192	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H043940494	LDI9880	CL1-cluster A	absent	antA	absent	tetO	blaOXA	susceptible	23S rRNA A2074G
C. coli	H121240502	LDI9914	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H043920292	LDI9915	CL1-cluster A	absent	antA	absent	tetO	absent	GyrA T86I	23S rRNA A2074G
C. coli	H130600457	LDI12930	CL1-cluster A	absent	antA	absent	tetO	absent	GyrA T86I	23S rRNA A2074G
C. coli	UNLL3.1	LDI6793	CL1-cluster A	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	NCTC11353	LDI9883	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p604A	LDI9933	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	p588B	LDI9133	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H075200514	LDI9164	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H114640463b	LDI9931	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H062580346	LDI9145	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H061980521a	LDI9156	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H094560717	LDI9899	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H104860240	LDI12914	CL1-cluster A	absent	absent	absent	tetO	absent	GyrA T86I	susceptible
C. coli	H060260417	LDI12898	CL1-cluster A	absent	antA	absent	tetO	absent	GyrA T86I	susceptible
C. coli	H072820536	LDI9878	CL1-cluster A	absent	antA	absent	absent	absent	GyrA T86I	susceptible
C. coli	H072820535	LDI13539	CL1-cluster A	absent	antA	absent	absent	absent	GyrA T86I	susceptible
C. coli	H044220458	LDI12970	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H054000444	LDI9902	CL1-cluster A	aad9	antA	absent	tetO	absent	GyrA T86I	23S rRNA A2074G
C. coli	H060280132	LDI9877	CL1-cluster A	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	UNAJC222	LDI6757	CL1-cluster A	absent	antA	absent	tetO	blaOXA	susceptible	susceptible
C. coli	1535	LDI4910	CL1-cluster A	absent	antA	absent	tetO	absent	susceptible	23S rRNA A2074G
C. coli	H044660164	LDI9139	CL1-cluster A	absent	antA	absent	tetO	absent	susceptible	23S rRNA A2074G
C. coli	H132680116	LDI9890	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNAJL222	LDI6785	CL1-cluster A	absent	antA	absent	tetO	blaOXA	susceptible	23S rRNA A2074G
C. coli	H125280575	LDI9137	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	23S rRNA A2074G
C. coli	H043880651	LDI9872	CL1-cluster A	absent	antA	absent	absent	blaOXA	susceptible	23S rRNA A2074G
C. coli	UNLLIII	LDI6773	CL1-cluster A	absent	antA	absent	tetO	blaOXA	susceptible	susceptible

C. coli	H063800417	LDI9949	CL1-cluster A	absent	absent	absent	tetO	absent	GyrA T86I	susceptible
C. coli	H124620276b	LDI9927	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	UNNQFC9	LDI9167	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNOR581A	LDI6774	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNES15	LDI6769	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H121060205	LDI9895	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN349	LDI6803	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	EC0349	LDI6828	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	SS_2356	LDI13619	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H110420358	LDI12906	CL1-cluster A	absent	absent	InuC	absent	blaOXA	susceptible	susceptible
C. coli	H112160325	LDI12899	CL1-cluster A	absent	absent	absent	tetO	absent	GyrA T86I	susceptible
C. coli	H112160324	LDI12957	CL1-cluster A	absent	absent	absent	tetO	absent	GyrA T86I	susceptible
C. coli	H090520713	LDI9910	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	H134460277	LDI9919	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	15-537360	Cc42yr	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2322	LDI14946	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2329	LDI14948	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H094280625	LDI9950	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H120880379	LDI12948	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H132760143	LDI12963	CL1-cluster A	absent	antA	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H044040580	LDI12941	CL1-cluster A	absent	antA	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H081820599a	LDI12919	CL1-cluster A	absent	antA	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	UNF383D	LDI6742	CL1-cluster A	absent	antA	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H063800423	LDI9959	CL1-cluster A	absent	antA	absent	tetO	blaOXA	GyrA T86I	23S rRNA A2074G
C. coli	H073900238	LDI9870	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H072620568	LDI9894	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	23S rRNA A2074G
C. coli	H130500174	LDI9939	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H081380695b	LDI9936	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H133040289	LDI13538	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H120880380	LDI12907	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H132600169	LDI12962	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H051160594	LDI9920	CL1-cluster A	absent	antA	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H132580228	LDI12964	CL1-cluster A	absent	antA	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H103480422	LDI9942	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H063540531	LDI9886	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	23S rRNA A2074G
C. coli	H102740168	LDI9875	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible



C. coli	NCTC12570	LDI6766	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	H132580239	LDI9940	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	SS_2357	LDI13611	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H053280346	LDI9911	CL1-cluster A	absent	absent	InuC	absent	blaOXA	susceptible	susceptible
C. coli	H063900532	LDI9930	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H084040382a	LDI9119	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2295	LDI13607	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	BRISPIG3	LDI6770	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNQMCIIIS16	LDI9182	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	23S rRNA A2074G
C. coli	NCTC11437	LDI6765	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	23S rRNA A2074G
C. coli	H121760164	LDI9946	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H121240507	LDI12931	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	H132580232	LDI9874	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	SS_2289	LDI14947	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	UNOR8693b	LDI9174	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	UNOR383B	LDI6825	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H140200373	LDI9173	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H063900401	LDI9131	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	H043200357	LDI12908	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	UNOR5482c	LDI9177	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H105280404	LDI12949	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	SS_2294	LDI13614	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	H102520382	LDI12938	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	BRISLC31-1	LDI6737	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	BRIS1041X	LDI6786	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H132760142	LDI9884	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	H073700405	LDI9889	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2296	LDI13631	CL1-cluster A	absent	absent	absent	tetO	absent	susceptible	susceptible
C. coli	H103060185	LDI12971	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	H093100604	LDI9943	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H102380405	LDI12893	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H142080277	LDI9918	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H125000370	LDI9916	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2362	LDI14925	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2238	LDI13632	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2271	LDI13629	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible

C. coli	SS_2249	LDI14944	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2326	LDI13627	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2278	LDI13626	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2315	LDI13621	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2226	LDI13616	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2266	LDI13625	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2291	LDI13628	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2279	LDI13634	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2349	LDI13613	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2276	LDI13635	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2318	LDI13617	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2325	LDI13623	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2285	LDI13633	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2230	LDI13624	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2352	LDI13622	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2351	LDI13612	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2286	LDI13620	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	H102240159	LDI9945	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	UNES9	LDI6753	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H120960536	LDI9944	CL1-cluster A	absent	absent	absent	absent	absent	GyrA T86I	susceptible
C. coli	NCTC12567	LDI6750	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN20	LDI6826	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p588D	LDI9146	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H123080386	LDI9129	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H133020651a	LDI12901	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN19	LDI6814	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN350	LDI9170	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H054900335	LDI9958	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p515D	LDI12939	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p515A	LDI12973	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN289	LDI9194	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p495B	LDI12900	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p515B	LDI9130	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p495D	LDI9171	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p494B	LDI12954	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p546C	LDI9158	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible

C. coli	H133020651b	LDI9147	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN245	LDI6747	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN177	LDI6772	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN246	LDI6755	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN178	LDI6780	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H083960630	LDI9907	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H070680142	LDI9885	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H140420240	LDI9188	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN397	LDI6748	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H090660740	LDI9923	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	UNCIC2	LDI6801	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H043940500	LDI9951	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H054000445	LDI9913	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p494D	LDI9172	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H132480140	LDI9937	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H093580323	LDI9204	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H112820480	LDI9917	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p495c	LDI9960	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H090780151	LDI9208	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H095340114a	LDI12923	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H095340114b	LDI9116	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H093960099	LDI9924	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p474B	LDI9144	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN195-3	LDI9154	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H102240161	LDI12915	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H074360315	LDI9897	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	NCTC12568	LDI9891	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	H140420134	LDI6789	CL1-cluster A	absent	absent	absent	tetO	absent	GyrA T86I	23S rRNA A2074G
C. coli	H051080182	LDI9206	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	H092260570	LDI9956	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN257	LDI6771	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN205	LDI6767	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN355	LDI6800	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN357	LDI6819	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H131800148	LDI12917	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H042120298	LDI9935	CL1-cluster A	absent	absent	absent	tetO	absent	susceptible	susceptible

C. coli	H103600372	LDI9892	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	EC3444	LDI9187	CL1-cluster A	absent	absent	absent	tetO	blaOXA	GyrA T86I	susceptible
C. coli	UNOR532A	LDI6790	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNOR4451c	LDI9176	CL1-cluster A	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNOR7592c	LDI9175	CL1-cluster A	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	H092660305	LDI9881	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	EC1293	LDI6776	CL1-cluster A	absent	antA	absent	tetO	blaOXA	susceptible	susceptible
C. coli	p604D	LDI9165	CL1-cluster A	absent	absent	absent	tetO	absent	susceptible	susceptible
C. coli	UNF5421c	LDI9179	CL1-cluster A	absent	absent	absent	tetO	absent	susceptible	susceptible
C. coli	UNOR10622c	LDI9178	CL1-cluster A	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	CCN26	LDI9185	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN123	LDI6796	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	NCTC11438	LDI9183	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN265	LDI6812	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN124	LDI6830	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN181	LDI6810	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNOR13691b	LDI9180	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN56	LDI6795	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H132340486	LDI12925	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H140660843	LDI6813	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	EC3782	LDI12968	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3466	LDI6816	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5947	LDI13579	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6299	LDI13592	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4722	LDI13591	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3511	LDI6760	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3735	LDI12895	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3521	LDI12977	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3875	LDI12943	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3693	LDI12953	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4946	LDI13583	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5240b	LDI13597	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2284	LDI13610	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	EC5850	LDI13559	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5721	LDI14936	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6304	LDI13567	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible

C. coli	EC4956	LDI14940	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5905	LDI13568	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4267	LDI14931	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3940	LDI13545	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN55	LDI9186	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3369	LDI12936	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4356	LDI13572	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4690	LDI13588	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3721	LDI13605	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6158	LDI13550	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5479	LDI12913	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3444	LDI12981	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3344	LDI6815	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5923	LDI13560	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4287	LDI13573	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3607	LDI12921	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5072	LDI14941	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3525	LDI12896	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3748	LDI12929	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5183	LDI13603	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3365	LDI6752	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4277	LDI13594	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4214	LDI12905	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3928	LDI13586	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3774	LDI12958	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3356	LDI6808	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3689	LDI13602	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3160	LDI6807	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6203	LDI13554	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3705	LDI13589	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3727	LDI12944	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3627	LDI12952	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3474	LDI12910	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4768	LDI13595	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5726	LDI12903	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4098	LDI14928	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible

C. coli	EC3326	LDI12961	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5899	LDI14926	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6016	LDI13542	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6124	LDI13561	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3361	LDI6784	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3756	LDI12926	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3631	LDI12966	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3623	LDI13593	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3338	LDI12937	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3956	LDI12942	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3397	LDI13570	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3713	LDI12974	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3373	LDI6746	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3381	LDI6792	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4258	LDI13574	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5693	LDI14943	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3611	LDI13578	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3501	LDI12912	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5246a	LDI13566	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5520	LDI13580	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6173	LDI13584	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3478	LDI6762	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3725	LDI12969	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3529	LDI12927	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4462	LDI13569	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5992	LDI13599	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3400	LDI12959	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5240a	LDI13543	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5679	LDI13555	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3298	LDI6817	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3370	LDI12951	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5246b	LDI13601	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6047	LDI13563	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4383	LDI13587	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6122	LDI14942	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3537	LDI12980	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible

C. coli	EC4835	LDI14930	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4448	LDI13540	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5259	LDI13553	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4978	LDI13598	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3348	LDI13547	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4910	LDI14937	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3505	LDI13548	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3786	LDI13546	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3490	LDI6768	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4808	LDI14933	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4530	LDI13590	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4473	LDI13575	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5338	LDI14939	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4709	LDI13562	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3533	LDI12967	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4951	LDI12976	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3390	LDI6754	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6049	LDI14934	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4685	LDI13600	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4393	LDI13544	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3575	LDI12975	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4593	LDI13596	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5531	LDI13565	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3322	LDI6827	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3619	LDI12945	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5806	LDI14929	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3879	LDI12950	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3389	LDI12928	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3385	LDI6799	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC6168	LDI13549	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4102	LDI13604	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3498	LDI6744	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4194	LDI12935	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3357	LDI6809	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4730	LDI12960	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4675	LDI13585	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible

C. coli	EC5841	LDI13551	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3849	LDI12904	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4297	LDI14927	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3731	LDI12918	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4868	LDI13564	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5604	LDI13558	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3615	LDI12897	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5983	LDI14932	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3146	LDI6736	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4250	LDI13582	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4242	LDI13581	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4238	LDI14935	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H065100499	LDI9143	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN64	LDI6831	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p546D	LDI9138	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H132940658	LDI9938	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN119	LDI6788	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN72	LDI6794	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN288	LDI6738	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN292	LDI6829	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN59	LDI6811	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN293	LDI6802	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN71	LDI6804	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H140460193	LDI9193	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN60	LDI6740	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN154	LDI6764	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN153	LDI6756	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H053780444	LDI12978	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNQMCIIS18a	LDI12911	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	CCN182	LDI9181	CL1-cluster A	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	p568B	LDI12916	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H114640463a	LDI9150	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SWAN392	LDI9162	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p635D	LDI9118	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p604B	LDI9157	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H040680225	LDI12924	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible



C. coli	p635A	LDI9128	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H062180535	LDI12946	CL1-cluster A	absent	absent	absent	absent	blaOXA	GyrA T86I	susceptible
C. coli	p474A	LDI9124	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p546B	LDI9115	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p546A	LDI9201	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H132760749	LDI12909	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	CCN120	LDI6739	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H072680465	LDI9906	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H111620356	LDI12932	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p474C	LDI9125	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H084040382b	LDI9932	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H081940749	LDI9200	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC3952	LDI13576	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC4060	LDI12934	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H073180384	LDI9123	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H043900429	LDI9961	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H092260569a	LDI9904	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H091320788	LDI9926	CL1-cluster A	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	UNF491c	LDI12902	CL1-cluster B	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	H062140681	LDI9955	CL1-cluster B	absent	absent	absent	tetO	blaOXA	susceptible	susceptible
C. coli	SS_2234	LDI13615	CL1-cluster B	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2261	LDI13606	CL1-cluster B	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2263	LDI13608	CL1-cluster B	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2252	LDI13609	CL1-cluster B	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2246	LDI13618	CL1-cluster B	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SS_2283	LDI13630	CL1-cluster B	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	SWAN249	LDI6743	CL1-cluster C	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN269	LDI9161	CL1-cluster C	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p494A	LDI9148	CL1-cluster C	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H102680185	LDI9928	CL1-cluster C	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	SWAN333	LDI12894	CL1-cluster C	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	p568C	LDI9151	CL1-cluster C	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	SWAN342	LDI9169	CL1-cluster C	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	SWAN407	LDI6781	CL1-cluster C	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	SWAN393	LDI9160	CL1-cluster C	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	SWAN361	LDI9153	CL1-cluster C	absent	absent	absent	absent	absent	susceptible	susceptible

C. coli	SWAN195-1	LDI6735	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN331	LDI6745	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H091320792	LDI12892	CL1-cluster C	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	NCTC13006	LDI6805	CL1-cluster C	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	H055260498	LDI6749	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SS_2268	LDI14945	CL1-cluster C	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	N11D1	LDI4908	CL1-cluster C	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	H085160740	LDI9197	CL1-cluster C	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	H081380701	LDI9954	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN254	LDI12979	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	UNOR9553d	LDI9168	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN261	LDI6759	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN288	LDI6783	CL1-cluster C	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H053320338	LDI12933	CL1-cluster C	absent	absent	absent	tetO	blaOXA	absent	susceptible	susceptible
C. coli	SWAN308	LDI6751	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	H105160209	LDI9948	CL2	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	1718	LDI4911	CL2	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H054340287	LDI9898	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	H091320798	LDI9141	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	C8C3	LDI4906	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	B15B3	LDI4900	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	K11	LDI4905	CL2	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	F15D2	LDI4898	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	UNOR14731d	LDI9166	CL2	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H091940890	LDI9869	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	H094560718	LDI9142	CL2	absent	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	W17A	LDI12920	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	W17C	LDI13552	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	W17B	LDI13556	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	W17D	LDI13577	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	p515C	LDI9159	CL2	absent	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	EC5640	LDI13571	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	EC5496	LDI14938	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	H043880653	LDI9893	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	M2D2	LDI4907	CL2	absent	antA	absent	absent	absent	absent	susceptible	susceptible
C. coli	F5A2	LDI4901	CL2	absent	antA	absent	absent	absent	blaOXA	susceptible	susceptible

C. coli	A12B2	LDI4914	CL2	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	H055260517	LDI12891	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H055260513	LDI9873	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN325	LDI6791	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H093580632	LDI9922	CL2	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p474D	LDI9202	CL2	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	SWAN409	LDI12965	CL2	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	SWAN337	LDI9152	CL2	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	CCN398	LDI9189	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN372	LDI9190	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN408	LDI6782	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	F14B4C4	LDI4913	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	M4A4	LDI4912	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	M5D4	LDI4897	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H092560131	LDI9122	CL2	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H072760517	LDI9953	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H070380306	LDI9140	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H082280513	LDI12955	CL3	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	H073220518	LDI9868	CL3	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	O6C1	LDI4909	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H124500577	LDI9903	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H042280284	LDI9957	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H060960756	LDI6734	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H060960757	LDI6758	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H060740717	LDI6797	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H081840386	LDI9155	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H061980521b	LDI9879	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	p494C	LDI9195	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	p568A	LDI9163	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H102740169	LDI9929	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H085160749	LDI9149	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	P635B	LDI9934	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H091000385	LDI9207	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H071960681	LDI9901	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H090980249	LDI9132	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H074080511	LDI9888	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible

C. coli	H072620566	LDI9135	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H113760461	LDI9887	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H132840800	LDI9921	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	SWAN264	LDI6775	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H124620276a	LDI9905	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H083420694	LDI9882	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	D13A4	LDI4902	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H094560720	LDI9136	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H065100506	LDI9134	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H094860392	LDI12972	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H065160534	LDI9120	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H094560713	LDI9126	CL3	absent	antA	absent	absent	absent	susceptible	susceptible
C. coli	H042840283	LDI9912	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H063720401	LDI9925	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H082560569	LDI12922	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H093580324	LDI9127	CL3	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	H082280515	LDI12947	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	C9A1	LDI4896	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H133380250	LDI9952	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H083420701	LDI9871	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H075140555	LDI9117	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H073180383	LDI12940	CL3	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	H073580401	LDI12956	CL3	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	H085160742	LDI9121	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H053120426	LDI9196	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H043560441	LDI9896	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H074080509	LDI9876	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H092260569b	LDI9909	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H061680633	LDI9205	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H110340458	LDI9941	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	H081380695a	LDI9203	CL3	absent	absent	absent	absent	blaOXA	susceptible	susceptible
C. coli	H051960469	LDI9900	CL3	absent	antA	absent	absent	blaOXA	susceptible	susceptible
C. coli	H075200522	LDI9198	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	K3D1	LDI4899	CL3	absent	absent	absent	absent	absent	susceptible	susceptible
C. coli	EC6147	LDI13557	CL3	absent	absent	absent	absent	absent	susceptible	susceptible