

Supplementary Materials

Table S1. Accession numbers of the genomes and additional information on the *Salmonella enterica* serovar Corvallis ST1541 isolates used for phylogenetic analysis in the present study.

Isolate	Genome size (bp)	Origin	Country	Year of isolation	GenBank/ENA accession no.	Reference
12-01738	4,887,378	Wild bird	Germany	2012	CP027677.1	[1]
AR-0406	4,799,356	ukn	-	-	CP044200.1	unpub
2011K-1068	4,804,015	ukn	USA	-	MYYS01000001.1	unpub
127534	4,816,168	ukn	United Kingdom	2015	RTAB01000001.1	unpub
221702	4,752,286	ukn	United Kingdom	2016	RSSF01000001.1	unpub
399348	4,898,914	ukn	United Kingdom	2017	RTNL01000001.1	unpub
BCW_2855	4,719,825	ukn	Denmark	-	MXXG01000001.1	unpub
BCW_2858	5,020,070	ukn	Denmark	-	MXXD01000001.1	unpub
582263	4,767,427	ukn	United Kingdom	2018	RURT01000001.1	unpub
217077	5,015,564	ukn	United Kingdom	2016	RUXP01000001.1	unpub
140189	4,757,520	ukn	United Kingdom	2015	AAABOE010000001.1	unpub
134263	4,842,163	ukn	United Kingdom	2015	AAABSC010000001.1	unpub
524779	4,814,503	ukn	United Kingdom	2018	AAACAJ010000001.1	unpub
430234	4,784,350	ukn	United Kingdom	2017	AAACCW010000001.1	unpub
296155	4,816,897	ukn	United Kingdom	2016	AAACFW010000001.1	unpub
123935	5,040,541	ukn	United Kingdom	2015	AAAGCH010000001.1	unpub
SL_62_S353	4,899,668	Human stool	Sri Lanka	2016	SMQT01000001.1	[2]
SL_39_S118	4,860,207	Human blood	Sri Lanka	2016	SMPY01000001.1	[2]
SL_35_S91	4,861,639	Human stool	Sri Lanka	2017	SMPU01000001.1	[2]
CFSAN079107	4,872,954	Kratom Capsules	USA	2018	CP042440	[3]
SL_29_118	4,868,926	Raw chicken meat	Sri Lanka	2015	SMPP01000001.1	[2]
SL_26_115	4,990,834	Raw chicken meat	Sri Lanka	2015	SMPM01000001.1	[2]
SL_20_107	4,991,033	Raw chicken meat	Sri Lanka	2015	SMPG01000001.1	[2]
SL_17_98	4,984,047	Raw chicken meat	Sri Lanka	2015	SMPD01000001.1	[2]
SL_16_97	4,992,136	Raw chicken meat	Sri Lanka	2015	SMPD01000001.1	[2]
SL_19_103	4,902,599	Raw chicken meat	Sri Lanka	2015	SMPF01000001.1	[2]
Municipal						
HIY0169	4,764,495	wastewater, Sand Island WWTP	USA	2010	VCVD02000001.1	unpub
747836	4,961,984	ukn	United Kingdom	2019	AAFGXP010000001.1	unpub
751517	5,236,478	ukn	United Kingdom	2019	AAFHFR010000001.1	unpub
749364	4,898,242	ukn	United Kingdom	2019	AAFIJA010000001.1	unpub
740073	4,909,507	ukn	United Kingdom	2019	AAFIJW010000001.1	unpub
755100	4,893,052	ukn	United Kingdom	2019	AAFIKN010000001.1	unpub
735036	4,777,186	ukn	United Kingdom	2019	AAFIJB010000001.1	unpub
Municipal						
HIY0180	4,765,527	wastewater, Sand Island WWTP	USA	2010	VLR01000001.1	unpub
Municipal						
HIY0041	4,684,888	wastewater, Sand Island WWTP	USA	2010	VLSM01000001.1	unpub
508289	5,056,816	ukn	United Kingdom	2018	AAIJDD010000001.1	unpub

NPHL 15376	5,013,778	Human blood	USA	2016	SPQE01000001.1	[4]
SA1409	4,953,145	Beef from super-market	China	2016	JAEKPE010000001.1	[5]
SA1370	4,954,294	Chicken from wild market	China	2016	JAEKPW010000001.1	[5]
SA1369	4,958,591	Chicken from wild market	China	2016	JAEKPX010000001.1	[5]
SA1361	5,020,005	Chicken from supermarket	China	2016	JAEKQB010000001.1	[5]
SA1318	4,960,826	Chicken from wild market	China	2016	JAEKQV010000001.1	[5]
SA292	5,015,091	Chicken from wild market	China	2015	JAELMQ010000001.1	[5]
SA1249	4,939,320	Chicken from wild market	China	2016	JAEKSN010000001.1	[5]

ukn, unknown.

Table S2. Pairwise SNP distance matrix calculated from the genomes of two *Salmonella enterica* serovar Corvallis human SNP isolates from a Spanish hospital and 44 isolates from other sources and countries.

		12-01738	123935	127534	134263	140189	2011K-1068	217077	221702	296155	399348	430234	4939320	508289	524779	582263	735036	740073	747836	749364	751517	755100	AR-0406	BCW_2855	BCW_2858	CFSAN079107	HIY0041	HIY0169	HIY0180	HUA 5/18	HUA 6/18	NPHL_15376	SA1318	SA1361	SA1369	SA1370	SA1409	SA292	SL_16_97	SL_17_98	SL_19_103	SL_20_107	SL_26_115	SL_29_118	SL_35_S91	SL_39_S118	SL_62_S363		
	12-01738	13	18	58	39	31	23	102	70	46	105	35	87	149	56	32	51	55	146	50	84	50	22	37	52	52	62	38	36	10	41	33	169	71	169	67	164	44	54	56	39	56	56	57	42	42	39		
	123935	13	18	58	39	31	23	102	70	46	105	35	87	149	56	32	51	55	146	50	84	50	22	37	52	52	62	38	36	10	41	33	169	71	169	67	164	44	54	56	39	56	56	57	42	42	39		
	127534	58	33	94	59	53	59	120	90	22	123	49	105	167	32	54	53	77	170	70	70	202	72	44	39	50	76	84	60	58	62	63	55	93	95	193	191	188	66	74	76	59	76	76	77	62	62	59	
	134263	39	94	59	53	59	120	90	22	123	49	105	167	32	54	53	77	170	70	70	202	72	44	39	50	76	84	60	58	62	63	55	93	95	193	191	188	66	74	76	59	76	76	77	62	62	59		
	140189	31	108	53	34	32	97	65	41	100	30	88	144	51	6	46	38	143	45	79	43	6	32	47	49	57	65	41	39	31	137	18	26	166	168	166	164	61	37	49	51	34	51	51	52	37	37	34	
	2011K-1068	23	14	59	40	32	103	71	47	106	36	88	150	57	33	52	56	147	51	85	51	23	38	53	53	63	39	37	41	41	42	34	107	172	170	168	165	45	55	57	40	57	57	58	43	43	40		
	217077	102	77	20	103	97	103	134	108	78	137	67	17	31	18	98	16	21	212	114	66	16	88	99	14	20	28	04	102	206	207	99	237	239	237	235	232	101	18	20	103	120	21	106	106	103			
	221702	70	27	90	51	65	71	134	108	78	137	67	17	31	18	98	16	21	212	114	66	16	88	99	14	20	28	04	102	206	207	99	237	239	237	235	232	101	18	20	103	120	21	106	106	103			
	296155	46	21	22	47	41	47	108	78	111	37	37	65	14	42	41	65	158	58	90	60	32	97	27	38	64	72	48	46	52	53	43	81	83	81	79	176	54	62	64	47	64	65	65	50	50	47		
	399348	105	80	23	106	100	106	87	137	111	100	72	114	21	11	16	24	215	17	149	19	32	97	27	38	64	72	48	46	52	53	43	81	83	81	79	176	54	62	64	47	64	65	65	50	50	47		
	430234	35	10	49	36	30	36	97	67	37	100	82	144	47	31	42	54	47	47	79	49	21	28	43	53	61	37	35	61	37	35	61	42	32	170	172	168	165	43	51	53	36	53	53	54	39	39	36	
	4939320	87	162	105	88	82	88	27	119	93	72	82	16	103	83	98	106	97	99	51	101	73	84	99	105	16	89	87	91	82	84	222	224	222	220	217	95	103	105	108	105	106	96	91	91	88	80	80	80
	508289	149	224	67	50	144	60	31	81	65	144	16	165	145	160	168	259	61	51	63	135	146	61	67	175	51	49	253	254	146	284	286	284	282	279	57	165	167	60	167	167	168	63	63	63	63	63	63	
	524779	56	31	32	57	51	57	118	88	14	21	47	103	165	52	51	75	168	68	200	70	42	37	48	74	82	58	56	62	63	53	91	93	91	89	86	64	72	74	57	74	74	75	60	60	57			
	582263	32	109	54	35	6	33	98	66	42	41	31	83	165	52	47	39	144	46	80	44	6	33	48	50	58	34	32	138	199	27	67	169	67	165	162	168	50	52	53	52	53	38	38	35				
	735036	51	26	53	52	46	52	116	83	41	116	42	98	160	51	47	70	163	63	95	65	37	26	45	69	77	53	51	67	158	48	166	168	166	164	61	59	67	52	59	62	70	55	55	52				
	740073	55	32	77	58	38	56	21	89	65	62	54	106	168	75	39	70	167	69	203	67	39	56	71	73	81	57	55	61	62	50	92	190	188	185	61	73	75	58	75	75	76	61	61	58				
	747836	146	223	70	149	143	147	212	80	158	215	147	197	259	168	144	163	167	160	294	162	134	167	164	164	70	148	42	43	145	231	233	231	229	226	162	164	166	149	166	167	62	62	62	62	62	62		
	749364	50	105	70	27	45	51	14	62	58	117	47	99	61	68	46	63	69	160	96	64	36	49	64	68	76	52	50	54	65	47	85	87	85	83	108	58	38	40	5	40	41	24	24	27				
	751517	84	259	202	185	179	185	166	216	90	149	179	61	51	200	160	195	203	294	96	98	170	81	166	202	210	186	184	288	289	81	319	321	319	317	314	92	200	202	85	202	202	203	188	188	185			
	755100	52	107	72	53	43	43	116	84	60	119	49	101	163	70	44	65	67	162	64	98	34	51	66	68	76	52	50	56	57	45	85	87	85	83	108	58	68	70	53	70	70	71	56	56	53			
	AR-0406	22	99	44	25	6	23	88	56	32	91	21	73	135	42	6	37	39	34	36	70	34	23	38	44	24	22	28	29	17	67	69	67	65	62	28	40	42	25	42	42	43	28	28	25				
	BCW_2855	12	37	39	38	32	38	99	69	27	102	28	84	146	37	33	26	146	47	49	81	51	32	31	55	63	39	37	41	142	34	172	174	172	170	167	45	53	55	38	55	55	56	41	41	38			
	BCW_2858	52	127	50	53	47	53	114	84	38	117	43	99	61	48	48	45	71	164	64	56	66	38	21	70	78	54	52	58	59	49	87	89	87	85	82	60	68	70	53	70	71	71	56	56	53			
	CFSAN079107	52	131	76	57	49	53	120	88	64	123	53	105	167	74	50	69	73	164	68	202	68	40	55	70	80	56	54	58	59	51	87	89	87	85	82	62	72	74	57	74	74	75	60	60	57			
	HIY0041	62	139	84	65	57	63	128	94	72	73	61	113	175	82	58	77	81	174	76	210	76	48	63	78	80	50	48	148	149	59	97	99	97	95	92	70	80	82	65	82	83	68	68	65				
	HIY0169	38	16	60	41	33	39	104	72	48	70	37	89	61	58	34	53	57	50	52	86	52	24	39	54	56	50	2	144	45	35	173	175	173	171	168	46	56	58	41	58	58	58	44	44	41			
	HIY0180	36	13	58	39	31	37	102	70	46	105	35	87	149	56	32	51	55	148	50	84	50	22	37	52	54	48	2	42	43	33	171	173	171	169	166	44	54	56	39	56	56	57	42	42	39			
	HUA 5/18	147	216	62	143	137	141	206	174	152	209	141	91	253	162	138	57	61	42	154	288	56	128	141	158	158	168	144	142	1	139	225	227	225	223	220	146	158	160	143	160	160	161	146	146	143			
	HUA 6/18	141	218	63	144	138	142	207	175	163	210	142	92	254	163	138	57	62	43	155	289	67	129	142	158	159	169	145	143	1	140	226	228	226	224	221	147	159	161	144	161	161	162	147	147	144			
	NPHL_15376	33	10	55	36	26	34	99	67	43	102	32	84	146	53	27	48	50	145	47	81	45	17	34	49	51	59	35	33	39	40	68	70	168	166	163	39	51	53	36	53	53	54	39	39	36			
	SA1318	169	248	93	174	166	170	237	205	81	240	70	222	284	197	67	186	90	231	85	39	85	67	127	87	87	97	173	171	225	226	168	10	0	0	0	6	25	179	189	91	174	91	91	92	177	177	174	
	SA1361	171	250	95	176	168	172	239	207	183	242	172	224	286	193	169	188	92	233	187	321	87	159	174	189	189	199	175	173	227	228	170	0	0	0	8	27	81	91	93	176	193	193	94	179	179	176		
	SA1369	169	248	93	174	166	170	237	205	81	240	70	222	284	197	67	186	90	231	85	39	85	67	127	87	87	97	173	171	225	226	168	0	0	0	6													