

Table S1

	Strain	Serotype	Biotype	Geographical Origin	Source	Year	Genome	Sequencing technology	Map	Reference	SRA / assembly accession
1	VC14	O1	OGET group 4	Nepal, Banke district, Nepalgunj municipality, ward 5	Clinical	2010	draft	Illumina	x	Hendriksen et al, 2011	SRX082939 / NA
2	VC26	O1	OGET group 4	Nepal, Rupandehi district, Butawal municipality	Clinical	2010	draft	Illumina	x	Hendriksen et al, 2011	SRX082949 / NA
3	VC25	O1	OGET group 4	Nepal, Rupandehi district, Butawal municipality	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082948 / NA
4	HC43A1	O1	OGET	Haiti, Delmas, Port-au-Prince, Ouest	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA030737 / AGUQ00000000
5	HC23A1	O1	OGET	Haiti, Bassin-Bleu, Port-de-Paix, Nord-Ouest	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA030719 / AGMU00000000
6	HC19A1	O1	OGET	Haiti, Saint-Marc, Saint-Marc, Artibonite	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035994 / AGUJ00000000
7	HC7A1	O1	OGET	Haiti, Grande Saline, Dessalines, Artibonite	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRX059355 / AGVA00000000.2
8	HC22A1	O1	OGET	Haiti, Saint-Marc, Saint-Marc, Artibonite	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035991 / AGUL00000000
9	HC46A1	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	454, Illumina	x	N/A	SRA037285 / ALDQ00000000
10	HC28A1	O1	OGET	Haiti, En Plein, Gonaïves, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035987 / AGUN00000000
11	HC17A1	O1	OGET	Haiti, Gonaïves, Gonaïves, Artibonite	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA046087 / AJRN00000000
12	HC6A1	O1	OGET	Haiti, Saint-Marc, Saint-Marc, Artibonite	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRX059318 / AGUI00000000.1
13	HC80A1	O1	OGET	Haiti, Cite Soleil, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035982 / AGVB00000000
14	HC41A1	O1	OGET	Haiti	Clinical	2010	draft	Illumina		N/A	SRA037370 / ALDN00000000
15	HC40A1	O1	OGET	Haiti, Arcahaie, Arcahaie, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA030718 / AFOK00000000
16	HC32A1	O1	OGET	Haiti, Cite Soleil, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035998 / AGUO00000000
17	HC21A1	O1	OGET	Haiti, Saint-Marc, Saint-Marc, Artibonite	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035997 / AGUK00000000
18	HC20A2	O1	OGET	Haiti, Saint-Marc, Saint-Marc, Artibonite	Clinical	2010	draft	454, Illumina	x	N/A	SRA035992 / ALDL00000000
19	HC42A1	O1	OGET	Haiti, Cite Soleil, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		N/A	SRA037384 / ALDO00000000
20	2010EL1786	O1	OG	Haiti	Clinical	2010	complete	PacBio	in silico	Ceccarelli et al, 2011	SRX031665 / CP003069 / CP003070
21	2010EL1798	O1	OG	Haiti	Clinical	2010	draft	PacBio		Ceccarelli et al, 2011	SRX032202 / AELI01000000.1
22	2010EL1792	O1	OG	Haiti	Clinical	2010	draft	PacBio		Ceccarelli et al, 2011	SRX032204 / AELJ00000000.1
23	HC48A1	O1	OGET	Haiti, Tabarre, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA030742 / AFOL00000000
24	HC38A1	O1	OGET	Haiti, Croix-des-Bouquets, Croix-des-Bouquets, Ouest	Clinical	2010	draft	454, Illumina		Hasan et al, 2012	SRA030739 / AFOV01000000
25	HFU02	O1	OGET	Saint-Marc, Artibonite, Haiti	Clinical	2010	draft	Illumina		N/A	SRA030741 / AFOS00000000
26	2011V1021	O1	OG (ctxB7)	Dominican Republic	Clinical	2011	draft	454, Illumina		Reimer et al, 2012	SRX249662 / AHGK00000000.1
27	2011EL1089	O1	OG (ctxB7)	Haiti	Clinical	2010	draft	454, Illumina		Reimer et al, 2012	SRX249468 / AHGH00000000.1
28	2010EL2010N	O1	OG (ctxB7, non-hemolytic)	Haiti	Clinical	2010	draft	454, Illumina		Reimer et al, 2012	SRX249466 / AHGF00000000.1
29	2010EL2010H	O1	OG (ctxB7, hemolytic)	Haiti	Clinical	2010	draft	454, Illumina		Reimer et al, 2012	SRX249465 / AHGE00000000.1
30	2010EL1961	O1	OG (ctxB7)	Haiti	Clinical	2010	draft	454, Illumina		Reimer et al, 2012	SRX249464 / AHGD00000000.1
31	HC65A1	O1	OGET	Haiti, Tabarre, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035971 / AGUU00000000
32	HC57A2	O1	OGET	Haiti, Tabarre, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		N/A	SRA037372 / ALDZ00000000
33	HC77A1	O1	OGET	Haiti, Plaine, Gonaïves, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA046088 / AJRW00000000
34	HC47A1	O1	OGET	Haiti, Tabarre, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		N/A	SRA037385 / ALDR00000000
35	HC33A2	O1	OGET	Haiti, Tabarre, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035995 / AGUP00000000
36	HC68A1	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035984 / AGUW00000000
37	HC81A1	O1	OGET	Haiti, Cite Soleil, Port-au-Prince, Ouest	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA035973 / AGVC00000000

38	HC67A1	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035983 / AGUV00000000
39	HC64A1	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035979 / AGUT00000000
40	HC49A2	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA030717 / AFOM00000000
41	HC71A1	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035981 / AGUX00000000
42	HC70A1	O1	OGET	Haiti, Montrouis City, Ouest	Clinical	2010	draft	Illumina		N/A	SRA030740 / AFON00000000
43	HCUF01	O1	OGET	Saint-Marc, Artibonite, Haiti	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA030713 / AFOO00000000
44	HC37A1	O1	OGET	Haiti, En Plein, Gonaïves, Ouest	Clinical	2010	draft	Illumina		N/A	SRA047986 / AJSJ00000000
45	HC48B2	O1	OGET	Haiti, Tabarre, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA035993 / AGUR00000000
46	HC39A1	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		N/A	SRA037383 / ALDM00000000
47	HC50A2	O1	OGET	Haiti, Port-au-Prince, Port-au-Prince, Ouest	Clinical	2010	draft	Illumina		Hasan et al, 2012	SRA046626 / AJRQ00000000
48	HC61A1	O1	OGET	Haiti, Croix-des-Bouquets, Croix-des-Bouquets, Ouest	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA030716 / AGUS00000000
49	2009V1085	O1	OG (ctxB7)	India, Sri Lanka	Clinical	2009	draft	454, Illumina		Reimer et al, 2012	SRX249422 / AHFY00000000.1
50	2010EL1749	O1	OG (ctxB7)	Africa, Cameroon	Clinical	2010	draft	454, Illumina		Reimer et al, 2012	SRX249463 / AHGC00000000.1
51	2009V1096	O1	OG (ctxB7)	India	Clinical	2009	draft	454, Illumina		Reimer et al, 2012	SRX249431 / AHFZ00000000.1
52	VC15	O1	OGET group 3	Nepal, Dang Deokhuri district, Narayanpur VDC, ward 5	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082940 / NA
53	VC18	O1	OGET group 3	Nepal, Banke district, Nepalgunj municipality	Clinical	2010	draft	Illumina	x	Hendriksen et al, 2011	SRX082943 / NA
54	EC0027	O1	OGET	Bangladesh, Chhatak	Environment	2010	draft	Illumina		N/A	SRA052156/ APFR00000000
55	EC0012	O1	OGET	Bangladesh, Chhatak	Environment	2010	draft	Illumina		N/A	SRA052663/ APFQ00000000
56	NHCC006C	O1	OGET	Bangladesh, Chhatak	Clinical	2010	draft	Illumina		N/A	SRA052150/ APGB00000000
57	EC0009	O1	OGET	Bangladesh, Chhatak	Environment	2010	draft	Illumina		N/A	SRA052149/ APFP00000000
58	PCS023	O1	OGET	Bangladesh, Dhaka	Clinical	2010	draft	Illumina		N/A	SRA052148/ APGG00000000
59	NHCC010F	O1	OGET	Bangladesh, Chhatak	Clinical	2010	draft	Illumina		N/A	SRA052154/ APGD00000000
60	CP1048	O1	OGET Altered EI Tor	Bangladesh, Dhaka	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA037369/ ALDJ00000000
61	NHCC004A	O1	OGET	Bangladesh, Chhatak	Clinical	2010	draft	Illumina		N/A	SRA052098/ APGA00000000
62	EM1546	O1	OGET	Bangladesh, Mathbaria	Environment	2010	draft	Illumina		N/A	SRA052137/ APFW00000000
63	CP1050	O1	OGET Altered EI Tor	Bangladesh, Dhaka	Clinical	2010	draft	Illumina		N/A	SRA037393/ ALDK00000000
64	EDC020	O1	OGET	Bangladesh, Dhaka	Environment	2010	draft	Illumina		N/A	SRA052157/ APFT00000000
65	VC19	O1	OGET group 2	Nepal, Kathmandu district, Kathmandu city	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082944 / NA
66	VC6	O1	OGET group 2	Nepal, Banke district, Nepalgunj municipality, ward 4 1/8	Clinical	2010	draft	Illumina	x	Hendriksen et al, 2011	SRX082837 / NA
67	2009V1131	O1	OG (ctxB7)	India	Clinical	2009	draft	454, Illumina		Reimer et al, 2012	SRX249462 / AHGB00000000.1
68	355408	O1	OG (ctxB7)	Nepal	Clinical	2008	draft	454, Illumina		Reimer et al, 2012	SRX249691 / AHGN00000000.1
69	2009V1046	O1	OG (ctxB1)	Pakistan	Clinical	2009	draft	454, Illumina		Reimer et al, 2012	SRX249421 / AHFX00000000.1
70	2010V1014	O1	OG (ctxB1)	Pakistan	Clinical	2010	draft	454, Illumina		Reimer et al, 2012	SRX249467 / AHGG00000000.1
71	2009V1116	O1	OG (ctxB1)	Pakistan	Clinical	2009	draft	454, Illumina		Reimer et al, 2012	SRX249461 / AHGA00000000.1
72	CP1038	O1	OGET	Africa, Zimbabwe	Clinical	2009	draft	454, Illumina	x	Hasan et al, 2012	SRA037375/ ALDC00000000
73	2011EL1137	O1	OG (ctxB1)	Africa, Zimbabwe	Clinical	2009	draft	454, Illumina		Reimer et al, 2012	SRX249661 / AHGJ00000000.1
74	358205	O1	IN (ctxB1)	Pakistan	Clinical	2005	draft	454, Illumina		Reimer et al, 2012	SRX249692 / AHGP00000000.1
75	350005	O1	IN (ctxB1)	India	Clinical	2005	draft	454, Illumina		Reimer et al, 2012	SRX249663 / AHGL00000000.1
76	354606	O1	IN (ctxB1)	India	Clinical	2006	draft	454, Illumina		Reimer et al, 2012	SRX249690 / AHGM00000000.1

77	CIRS101	O1	IN (ctxB1) altered El Tor biotype	Bangladesh, Dhaka	Clinical	2002	complete (I), draft (II)	Sanger, 454		Grim et al, 2010	NA / ACVW0000000.1
78	VC2	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082833 / NA
79	VC8	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 5	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082839 / NA
80	VC7	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 6	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082838 / NA
81	VC4	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 4	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082835 NA
82	VC1	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082797 / NA
83	VC9	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 4	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082840 / NA
84	VC5	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 5	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082836 / NA
85	VC3	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 5	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082834 / NA
86	VC22	O1	OGET group 1	Nepal, Rupandehi district, Butawal municipality	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082947 / NA
87	VC21	O1	OGET group 1	Nepal, Rupandehi district, Butawal municipality	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082946 / NA
88	VC20	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 12	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082945 / NA
89	VC17	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082942 / NA
90	VC16	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 6	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082941 / NA
91	VC13	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 8	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082938 / NA
92	VC12	O1	OGET group 1	Nepal, Dang Deokhuri district, Narayanpur VDC, ward 7	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082843 / NA
93	VC11	O1	OGET group 1	Nepal, Kailali district, Dhangadhi	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082842 / NA
94	VC10	O1	OGET group 1	Nepal, Banke district, Nepalgunj municipality, ward 12	Clinical	2010	draft	Illumina		Hendriksen et al, 2011	SRX082841 / NA
95	EM1536	O1	OGET	Bangladesh, Mathbaria	Environment	2010	draft	Illumina		N/A	SRA052121/ APFV00000000
96	EDC022	O1	OGET	Bangladesh, Dhaka	Environment	2010	draft	Illumina		N/A	SRA052155/ APFU00000000
97	PCS022	O1	OGET	Bangladesh, Dhaka	Clinical	2010	draft	Illumina		N/A	SRX147079 / JDTE0000000.1
98	EM1626	O1	OGET	Bangladesh, Mathbaria	Environment	2011	draft	Illumina		N/A	SRA052134/ APFX00000000
99	CP1042	O1	OGET	Asia, Thailand	Clinical	2010	draft	454, Illumina	x	Hasan et al, 2012	SRA037382/ ALDF00000000
100	Nep21113	O1	OGET	Nepal	Clinical	2003	draft	Illumina		N/A	SRA052151/ APGF00000000
101	Nep21106	O1	OGET	Nepal	Clinical	2003	draft	Illumina		N/A	SRA052152/ APGE00000000
102	CP1041	O1	OGET	Africa, Zambia	Clinical	2004	draft	454, Illumina	X	Hasan et al, 2012	SRA037374/ ALDE00000000
103	CP1040	O1	OGET	Africa, Zambia	Clinical	2004	draft	Illumina		N/A	SRA037373/ ALDD00000000
104	CP1032	O1	OGET Altered El Tor	Mexico	Clinical	1991	draft	454, Illumina	x	Hasan et al, 2012	SRA037376/ ALDA00000000
105	CP1033	O1	OGET Altered El Tor	Mexico	Clinical	2000	draft	454, Illumina	x	N/A	SRA046627/ AJRL00000000
106	B33	O1	OG	Africa, Mozambique, Beira	Clinical	2004	draft	Sanger, 454		Grim et al, 2010	NA / ACHZ0000000.1
107	RC9	O1	OG	Africa, Kenya	Clinical	1985	draft	unknown		N/A	NA / ACHX0000000.1
108	N16961	O1	INET (ctxB3)	Bangladesh	Clinical	1971	complete	Sanger		Heidelberg et al, 2000	SRX172839 / AE003852, AE003853
109	CP1047	O1	OGET	South America, Peru	Clinical	1995	draft	Illumina		N/A	SRA052141/ ALDI00000000

110	CP1046	O1	OGET	South America, Peru	Clinical	1995	draft	454, Illumina	whole genome map	N/A	SRA037377/ ALDH00000000
111	CP1044	O1	OGET	South America, Peru	Clinical	1991	draft	Illumina		N/A	SRA037394/ ALDG00000000
112	EC0051	O1	OGET	Bangladesh, Chhatak	Environment	2011	draft	Illumina		N/A	SRA052135/ APFS00000000
113	EM1727	O1	OGET	Bangladesh, Mathbaria	Environment	2011	draft	Illumina		N/A	SRA052662/ APFZ00000000
114	116059	O1	O1	South America, Brazil	Clinical	1992	draft	Illumina		N/A	SRA052141/ APFJ00000000
115	CP1030	O1	INET	Mexico	Clinical	2008	draft	Illumina		N/A	SRA037380/ ALCZ01000000
116	C6706	O1	IN (ctxB3)	South America, Peru	Clinical	1991	draft	454, Illumina		Reimer et al, 2012	NA / AHGQ00000000.1