Appendix for “Reemergence of Cholera in Haiti”

Methods and Materials

Strains and Growth Conditions

Strain H22 was imported from Haiti with CDC PHS Permit No. 20221004-3616A. Clinical samples of *Vibrio cholerae* (VC) were streaked overnight on lysogeny broth (LB) agar (Difco) plates. Individual colonies were then subcultured into LB (Difco) overnight. For induction of cholera toxin, strains were grown in AKI medium (1.5% Bacto peptone, 0.5% sodium chloride, 0.4% yeast extract, 0.3% sodium bicarbonate) with four hours stationary followed by four hours of shaking[1]. All growth was performed at 37°C. Clinical isolates presented in this study are presented in Supplementary Table 1.

Cholera toxin analysis and serotyping

Immunoblot analysis was performed as previously described[2]. Proteins were separated by SDS-PAGE using 4 to 12% NuPAGE Bis-Tris precast gels (Life Technologies) and transferred to nitrocellulose using an iBlot gel transfer device (Life Technologies). The prestained protein marker, SeeBlue (Invitrogen) was used as a molecular mass standard. Rabbit anti-CT polyclonal antibody (Abcam; catalog no. ab123129) and horseradish peroxidase (HRP)-linked anti-rabbit IgG were used as primary and secondary antibodies, respectively. Blots were developed with the SuperSignal West Pico Plus chemiluminescence substrate (Thermo Fisher) for five minutes and exposed in a ChemiDoc system (Bio-Rad Laboratories). This experiment was performed with three independent replicates. Serotyping was performed using slide agglutination with Ogawa- and Inaba-specific antisera (BD Difco).

Minimum inhibitory concentration (MIC)-assays

For MIC assays, overnight cultures grown in LB were shifted into fresh LB at a final OD600 of 0.02. Three-fold serial dilutions of antimicrobial agents were tested across the following range of concentrations: 100µg/ml to 0.000564503µg/ml. After 18 h incubation of growth at 37°C, OD_{600} was measured. The MIC was defined as the minimum antimicrobial agent concentration which inhibited bacterial growth. Growth was defined by an at least four-fold increase of the OD_{600} compared to a sterile control. All MICs were performed with four independent replicates.

Whole-genome Sequencing and Phylogenetic Analysis

Genomic DNA (gDNA) was first isolated from *V. cholerae* strains using the GeneJet genomic DNA purification kit (Thermo Fisher). DNA was fragmented using a sonicator (Peak power 50, duty factor 10, cycles per burst 200, duration 90 seconds) (Covaris M220). Fragments were then prepared for short read sequencing via the NEBNext Ultra II DNA Library Prep Kit (NEB). Libraries were then sequenced on a NextSeq 550 (Illumina).

For phylogenetic analysis, genomes[2-22] (Supp. Table 4) were analyzed as previously published[2,23]. Raw reads were downloaded from the European Nucleotide Archive. For fully assembled genomes, pseudoreads of 100-bp overlapping reads were generated using either wgsim (https://github.com/lh3/wgsim) or fasta-to-fastq.pl (https://github.com/ekg/fasta-to-fastq/blob/master/fasta_to_fastq.pl). Reads were then mapped to the genome of N16961 (GenBank accession nos. LT907989 and LT907990), a seventh pandemic wave 1 isolate, with Snippy v4.6.0 (https://github.com/tseemann/snippy) using freebayes v1.3.6 (https://github.com/freebayes/freebayes) with a minimum read coverage of 4, minimum base quality of 13, a mapping quality of 60, and a requirement of 75% read concordance. Alignments

for previously published isolates were kindly provided previously by D. Domman (University of New Mexico) and alignments from Mexican isolates can be found in previously published work[23]. The known repeat region TLC-RS1-CTX was masked from the genome, as was the recombinogenic VSP-II region using Geneious (Biomatters). Recombinogenic sites were then further masked with Gubbins v3.3[24], and a phylogenetic tree was assembled based on the remaining 8,191 polymorphisms with RAxML v8.212[25] using a general time reversible with gamma rate heterogeneity (GTRGAMMA) model and 100 bootstraps. The resulting tree was visualized in iTOL v6[26].

Contigs were assembled using SPAdes v3.15.5[27] (filtering contigs based on length > 500 bp and coverage > 4) and annotated using Geneious v2022.2 (Biomatters) from the H1 genome (aka KW3, Genbank accession no. GCA_001318185.1, 95% similarity). Alleles of interest were identified through either direct mapping of reads to the H1 or N16961 genomes via Geneious using default settings or through BLAST[28] of the N16961 allele on assembled genomes.

IBC Approval

The Waldor lab has IBC approval (2011B000082) to work with pathogenic *V. cholerae* and a CDC permit (20221004-3616A) to import *V. cholerae* from Haiti.

Data Availability

Sequencing from this study is available at GenBank BioProject PRJNA903489.

Supplementary Table 1
Representative antibiogram of *V. cholerae* isolates from the Laboratoire National de Santé Publique (LNSP).

Antibiotic	MIC (µg/mL)	Interpretation	Kirby-Bauer (Interpretation)
Ampicillin 10 mcg	16	I	
Trimethoprim/Sulfamethoxazole	≥320	R	
Tetracycline			S
Cefoxitin	16	I	
Ceftazidime	0.5	S	
Imipenem	2	S	
Piperacillin/Tazobactam	≤4	S	
Cefuroxime	≤1		
Azithromycin	0.4		S

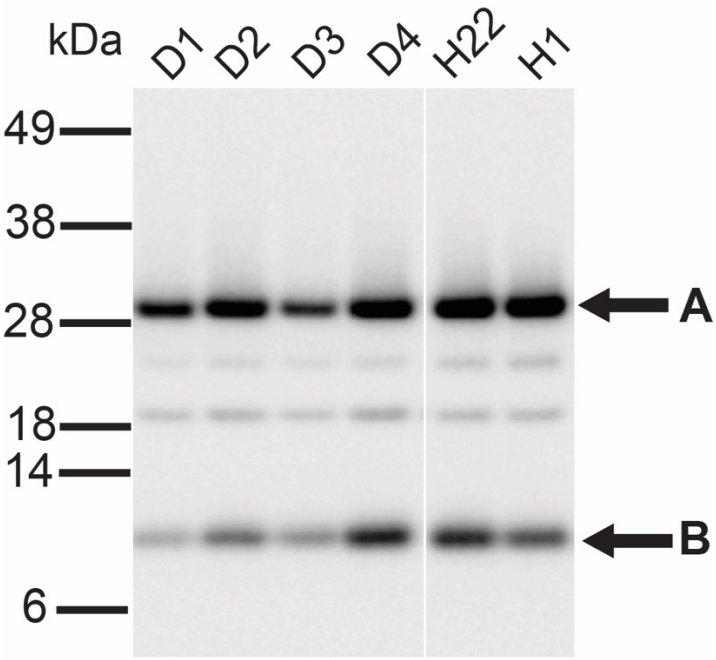
Supplementary Table 2
Isolates sequenced in this study and strain characteristics.

Metadata	D1	D2	D3	D4	H22	H1
Date of isolation	10/31/2021	01/12/2022	03/23/2022	03/30/2022	09/30/2022	2010
Location of isolation	Dhaka, Bangladesh	Dhaka, Bangladesh	Dhaka, Bangladesh	Dhaka, Bangladesh	Port-au-Prince, Haiti	Haiti
Serotype	Inaba	Inaba	Inaba	Ogawa	Ogawa	Ogawa
GenBank accession	SRR22351616	SRR22351615	SRR22351614	SRR22351613	SRR22351617	GCA_001318185.1
MIC						
Ciprofloxacin	0.4	0.4	0.4	0.4	0.4	0.4
Sulfamethoxazole	>100	>100	>100	>100	>100	>100
Trimethoprim	100	>100	>100	100	>100	>100
Doxycycline	0.1	0.1	0.1	0.1	0.1	0.1
Ceftriaxone	0.02	0.02	0.02	0.03	0.02	0.02
Tetracycline	0.4	0.4	0.4	0.4	0.4	0.4
Erythromycin	4	4	4	4	4	4
Trimethoprim: Sulfamethoxazole 1:5	>100	>100	>100	>100	>100	>100
Azithromycin	0.4	0.4	0.4	0.4	0.4	0.4
Gentamicin	11	11	11	11	33	33

Supplementary Table 3
Pathogenicity factors from strains in our study. Changes to alleles are called with reference to the N16961 genome.

Gene	D1	D2	D3	D4	H22	H1
wbeT	Tn insertion (c.324)	Tn insertion (c.324)	Tn insertion (c.324)	Intact	Intact	Intact
ctxB	ctxB7	ctxB7	ctxB7	ctxB7	ctxB7	ctxB7
tcpA	c.A266>G	c.A266>G	c.A266>G	c.A266>G	c.A266>G	c.A266>G
vspII	Del VC_0495-VC_0512::ISVch4)	Del VC_0495-VC_0512::ISVch4)	Del VC_0495-VC_0512::ISVch4)	Del VC_0495-VC_0512::ISVch4)	Del VC_0495-VC_0512::ISVch4)	Del VC_0495-VC_0512::ISVch4)

Supplementary Figure 1
Cholera toxin (CT) western blot analysis. Shown is a representative immunoblot loaded with equal amounts of sterile-filtered supernatants of AKI-grown D1 (lane1), D2 (lane 2), D3 (lane 3), D4 (lane 4), H22 (lane 5) and H1 (lane 6). The sizes of the A and B subunit (A and B) of CT are indicated by arrows on the right. Lines to the left indicate the molecular masses of the protein standards in kDa. The gap in between D4 and H22 contained samples not analyzed for this study.



Isolate name	Year	Country	Continent	EBI-ENA accession no.	Sequence ID	GenBank accession no.	Source
7994	2009	India	Asia	ERR351210	ERR351210		Abd El Ghany et al. PLoS Negl Trop Dis 2014
7772	2009	India	Asia	ERR351208	ERR351208		Abd El Ghany et al. PLoS Negl Trop Dis 2014
7683	2009	India	Asia	ERR351207	ERR351207		Abd El Ghany et al. PLoS Negl Trop Dis 2014
6801	2009	India	Asia	ERR351206	ERR351206		Abd El Ghany et al. PLoS Negl Trop Dis 2014
6734	2009	India	Asia	ERR351205	ERR351205		Abd El Ghany et al. PLoS Negl Trop Dis 2014
6557	2009	India	Asia	ERR351203	ERR351203		Abd El Ghany et al. PLoS Negl Trop Dis 2014
6259	2009	India	Asia	ERR351199	ERR351199		Abd El Ghany et al. PLoS Negl Trop Dis 2014
6016	2009	India	Asia	ERR351193	ERR351193		Abd El Ghany et al. PLoS Negl Trop Dis 2014
5663	2009	India	Asia	ERR351192	ERR351192		Abd El Ghany et al. PLoS Negl Trop Dis 2014
5417	2009	India	Asia	ERR351191	ERR351191		Abd El Ghany et al. PLoS Negl Trop Dis 2014
5286	2009	India	Asia	ERR351188	ERR351188		Abd El Ghany et al. PLoS Negl Trop Dis 2014
5202	2009	India	Asia	ERR351185	ERR351185		Abd El Ghany et al. PLoS Negl Trop Dis 2014
5185	2009	India	Asia	ERR351179	ERR351179		Abd El Ghany et al. PLoS Negl Trop Dis 2014
5046	2009	India	Asia	ERR351175	ERR351175		Abd El Ghany et al. PLoS Negl Trop Dis 2014
4966	2009	India	Asia	ERR351174	ERR351174		Abd El Ghany et al. PLoS Negl Trop Dis 2014
UG026	2015	Uganda	Africa		UG026	SAMN08744332	Bwire et al. PLoS Negl Trop Dis 2018
UG010	2016	Uganda	Africa		UG010	SAMN08744330	Bwire et al. PLoS Negl Trop Dis 2018
UG020	2016	Uganda	Africa		UG020	SAMN08744331	Bwire et al. PLoS Negl Trop Dis 2018
H1	2010	Haiti	North America		H1	GCA_000275645.1	Chin et al. NEJM 2011
MJ1236	1994	Bangladesh	Asia		MJ1236	CP001485/CP001486	Chun et al. Proc Natl Acad Sci USA 2009
CIRS101	2002	Bangladesh	Asia		CIRS101	ACVW00000000	Chun et al. Proc Natl Acad Sci USA 2009
MO10	1992	India	Asia		MO10	AAKF03000000	Chun et al. Proc Natl Acad Sci USA 2009
RC9	1985	Kenya	Africa		RC9	ACHX00000000	Chun et al. Proc Natl Acad Sci USA 2009

B33	2004	Mozambique	Africa		B33	ACHZ00000000	Chun et al. Proc Natl Acad Sci USA 2009
V01-CDC	1991	Chile	South America	ERR576950	ERR576950		Didelot et al. PLoS Genet 2015
1525-CDC	1994	China	Asia	ERR579986	ERR579986		Didelot et al. PLoS Genet 2015
2578-CDC	1985	China	Asia	ERR579919	ERR579919		Didelot et al. PLoS Genet 2015
200106-CDC	2001	China	Asia	ERR579313	ERR579313		Didelot et al. PLoS Genet 2015
129-CDC	1994	China	Asia	ERR579311	ERR579311		Didelot et al. PLoS Genet 2015
9-CDC	2001	China	Asia	ERR579309	ERR579309		Didelot et al. PLoS Genet 2015
SC1998_098-1-CDC	1998	China	Asia	ERR579114	ERR579114		Didelot et al. PLoS Genet 2015
JX1998-1306-1-CDC	1998	China	Asia	ERR579093	ERR579093		Didelot et al. PLoS Genet 2015
SC1998_242-1-CDC	1998	China	Asia	ERR579092	ERR579092		Didelot et al. PLoS Genet 2015
SC2000-CDC	2000	China	Asia	ERR579091	ERR579091		Didelot et al. PLoS Genet 2015
VC2248-1-CDC	2008	China	Asia	ERR579090	ERR579090		Didelot et al. PLoS Genet 2015
VC2454-CDC	2005	China	Asia	ERR579089	ERR579089		Didelot et al. PLoS Genet 2015
1283-CDC	1984	China	Asia	ERR579088	ERR579088		Didelot et al. PLoS Genet 2015
132-CDC	1978	China	Asia	ERR579087	ERR579087		Didelot et al. PLoS Genet 2015
143-CDC	2001	China	Asia	ERR579086	ERR579086		Didelot et al. PLoS Genet 2015
147-CDC	2002	China	Asia	ERR579085	ERR579085		Didelot et al. PLoS Genet 2015
1551-CDC	1979	China	Asia	ERR579083	ERR579083		Didelot et al. PLoS Genet 2015
1575-CDC	1990	China	Asia	ERR579082	ERR579082		Didelot et al. PLoS Genet 2015
1583-CDC	1991	China	Asia	ERR579081	ERR579081		Didelot et al. PLoS Genet 2015
1593-CDC	1992	China	Asia	ERR579080	ERR579080		Didelot et al. PLoS Genet 2015
1605-CDC	1993	China	Asia	ERR579079	ERR579079		Didelot et al. PLoS Genet 2015
1627-CDC	1997	China	Asia	ERR579078	ERR579078		Didelot et al. PLoS Genet 2015
1909-CDC	1998	China	Asia	ERR579077	ERR579077		Didelot et al. PLoS Genet 2015

1944-CDC	2000	China	Asia	ERR579076	ERR579076		Didelot et al. PLoS Genet 2015
2255-CDC	2008	China	Asia	ERR579075	ERR579075		Didelot et al. PLoS Genet 2015
2308-CDC	1978	China	Asia	ERR579074	ERR579074		Didelot et al. PLoS Genet 2015
2530-CDC	1996	China	Asia	ERR579073	ERR579073		Didelot et al. PLoS Genet 2015
2574-CDC	1980	China	Asia	ERR579072	ERR579072		Didelot et al. PLoS Genet 2015
2580-CDC	1989	China	Asia	ERR579070	ERR579070		Didelot et al. PLoS Genet 2015
2605-CDC	1998	China	Asia	ERR579069	ERR579069		Didelot et al. PLoS Genet 2015
2657-CDC	1995	China	Asia	ERR579068	ERR579068		Didelot et al. PLoS Genet 2015
2710-CDC	1986	China	Asia	ERR579067	ERR579067		Didelot et al. PLoS Genet 2015
2744-CDC	1962	China	Asia	ERR579066	ERR579066		Didelot et al. PLoS Genet 2015
2752-CDC	1981	China	Asia	ERR579065	ERR579065		Didelot et al. PLoS Genet 2015
2757-CDC	1987	China	Asia	ERR579064	ERR579064		Didelot et al. PLoS Genet 2015
2783-CDC	1964	China	Asia	ERR579063	ERR579063		Didelot et al. PLoS Genet 2015
2833-CDC	1979	China	Asia	ERR579062	ERR579062		Didelot et al. PLoS Genet 2015
2848-CDC	1988	China	Asia	ERR579061	ERR579061		Didelot et al. PLoS Genet 2015
2865-CDC	1961	China	Asia	ERR579060	ERR579060		Didelot et al. PLoS Genet 2015
2873-CDC	1961	China	Asia	ERR579059	ERR579059		Didelot et al. PLoS Genet 2015
2881-CDC	1961	China	Asia	ERR579058	ERR579058		Didelot et al. PLoS Genet 2015
2894-CDC	1961	China	Asia	ERR579057	ERR579057		Didelot et al. PLoS Genet 2015
2914-CDC	1966	China	Asia	ERR579056	ERR579056		Didelot et al. PLoS Genet 2015
2921-CDC	1962	China	Asia	ERR579055	ERR579055		Didelot et al. PLoS Genet 2015
2957-CDC	1964	China	Asia	ERR579054	ERR579054		Didelot et al. PLoS Genet 2015
2981-CDC	1965	China	Asia	ERR579053	ERR579053		Didelot et al. PLoS Genet 2015
3014-CDC	1969	China	Asia	ERR579052	ERR579052		Didelot et al. PLoS Genet 2015

3024-CDC	1973	China	Asia	ERR579051	ERR579051		Didelot et al. PLoS Genet 2015
3075-CDC	1974	China	Asia	ERR579050	ERR579050		Didelot et al. PLoS Genet 2015
3270-CDC	1977	China	Asia	ERR579049	ERR579049		Didelot et al. PLoS Genet 2015
3289-CDC	1978	China	Asia	ERR577143	ERR577143		Didelot et al. PLoS Genet 2015
3304-CDC	1979	China	Asia	ERR577142	ERR577142		Didelot et al. PLoS Genet 2015
3497-CDC	1980	China	Asia	ERR577141	ERR577141		Didelot et al. PLoS Genet 2015
3538-CDC	1981	China	Asia	ERR577140	ERR577140		Didelot et al. PLoS Genet 2015
3564-CDC	1982	China	Asia	ERR577139	ERR577139		Didelot et al. PLoS Genet 2015
3595-CDC	1983	China	Asia	ERR576996	ERR576996		Didelot et al. PLoS Genet 2015
3626-CDC	1983	China	Asia	ERR576995	ERR576995		Didelot et al. PLoS Genet 2015
3633-CDC	1984	China	Asia	ERR576988	ERR576988		Didelot et al. PLoS Genet 2015
3735-CDC	1988	China	Asia	ERR576987	ERR576987		Didelot et al. PLoS Genet 2015
4039-CDC	1993	China	Asia	ERR576986	ERR576986		Didelot et al. PLoS Genet 2015
4070-CDC	1994	China	Asia	ERR576985	ERR576985		Didelot et al. PLoS Genet 2015
4210-CDC	1999	China	Asia	ERR576984	ERR576984		Didelot et al. PLoS Genet 2015
63244-CDC	1963	China	Asia	ERR576980	ERR576980		Didelot et al. PLoS Genet 2015
642345-CDC	1964	China	Asia	ERR576979	ERR576979		Didelot et al. PLoS Genet 2015
93284-CDC	1993	China	Asia	ERR576977	ERR576977		Didelot et al. PLoS Genet 2015
936-CDC	1998	China	Asia	ERR576976	ERR576976		Didelot et al. PLoS Genet 2015
956-CDC	2001	China	Asia	ERR576975	ERR576975		Didelot et al. PLoS Genet 2015
AHV1003-CDC	2010	China	Asia	ERR576974	ERR576974		Didelot et al. PLoS Genet 2015
D118-CDC	1961	China	Asia	ERR576972	ERR576972		Didelot et al. PLoS Genet 2015
GD196110-CDC	1961	China	Asia	ERR576971	ERR576971		Didelot et al. PLoS Genet 2015
V011506-CDC	2001	China	Asia	ERR576951	ERR576951		Didelot et al. PLoS Genet 2015

6310-CDC	1961	Indonesia	Asia	ERR576983	ERR576983		Didelot et al. PLoS Genet 2015
6311-CDC	1961	Indonesia	Asia	ERR576982	ERR576982		Didelot et al. PLoS Genet 2015
6312-CDC	1961	Indonesia	Asia	ERR576981	ERR576981		Didelot et al. PLoS Genet 2015
863-CDC	1986	Mauritania	Africa	ERR576978	ERR576978		Didelot et al. PLoS Genet 2015
X190-CDC	1991	Peru	South America	ERR580006	ERR580006		Didelot et al. PLoS Genet 2015
C6706-CDC	1991	Peru	South America	ERR576973	ERR576973		Didelot et al. PLoS Genet 2015
T21-CDC	1990	Thailand	Asia	ERR576970	ERR576970		Didelot et al. PLoS Genet 2015
CNRVC140126	1991	Bolivia	South America	ERR976497	16244_7_46		Domman et al. Science 2017
CNRVC140125	1992	Bolivia	South America	ERR976496	16244_7_45		Domman et al. Science 2017
CNRVC140124	1992	Bolivia	South America	ERR976495	16244_7_44		Domman et al. Science 2017
CNRVC140123	1992	Bolivia	South America	ERR976494	16244_7_43		Domman et al. Science 2017
CNRVC140117	1991	Bolivia	South America	ERR976488	16244_7_37		Domman et al. Science 2017
CNRVC140122	1992	Brazil	South America	ERR976493	16244_7_42		Domman et al. Science 2017
CNRVC140121	1991	Brazil	South America	ERR976492	16244_7_41		Domman et al. Science 2017
CNRVC140118	1991	Brazil	South America	ERR976489	16244_7_38		Domman et al. Science 2017
CNRVC950014	1995	Ecuador	South America	ERR1879579	CNRVC950014_ATGTCA_L002		Domman et al. Science 2017
CNRVC940183	1994	French Guiana	South America	ERR1879578	CNRVC940183_AGTTCC_L002		Domman et al. Science 2017
CNRVC930025	1993	French Guiana	South America	ERR1879554	CNRVC930025_TCCCGA_L001		Domman et al. Science 2017
54267_1994	1994	Mexico	North America	ERR163241	8014_8_9		Domman et al. Science 2017
33297_1993	1993	Mexico	North America	ERR163240	8014_8_8		Domman et al. Science 2017
60483_1995	1995	Mexico	North America	ERR163244	8014_8_12		Domman et al. Science 2017
60452_1995	1995	Mexico	North America	ERR163243	8014_8_11		Domman et al. Science 2017
54328_1994	1994	Mexico	North America	ERR163242	8014_8_10		Domman et al. Science 2017
85	2000	Mexico	North America	ERR108522	7138_2_7		Domman et al. Science 2017

54	1999	Mexico	North America	ERR108518	7138_2_3		Domman et al. Science 2017
688	2006	Mexico	North America	ERR108537	7138_2_22		Domman et al. Science 2017
838	1999	Mexico	North America	ERR108517	7138_2_2		Domman et al. Science 2017
82	1998	Mexico	North America	ERR108516	7138_2_1		Domman et al. Science 2017
87662	1993	Mexico	North America	ERR044786	6437_7_9		Domman et al. Science 2017
87667	1993	Mexico	North America	ERR044785	6437_7_8		Domman et al. Science 2017
116075	1992	Mexico	North America	ERR044783	6437_7_6		Domman et al. Science 2017
116073	1991	Mexico	North America	ERR044781	6437_7_4		Domman et al. Science 2017
116072	1991	Mexico	North America	ERR044779	6437_7_2		Domman et al. Science 2017
95430	1997	Mexico	North America	ERR044791	6437_7_14		Domman et al. Science 2017
Mex6	1992	Mexico	North America	ERR042754	6353_8_3		Domman et al. Science 2017
H_3687	2013	Mexico	North America	ERR466829	12005_1_11		Domman et al., Science 2017
H_4084	2013	Mexico	North America	ERR466834	12005_1_16		Domman et al., Science 2017
H_4090	2013	Mexico	North America	ERR466835	12005_1_17		Domman et al., Science 2017
H_4412	2013	Mexico	North America	ERR466846	12014_1_28		Domman et al., Science 2017
H_4659	2013	Mexico	North America	ERR471121	12022_1_32		Domman et al., Science 2017
H_6152	2013	Mexico	North America	ERR471128	12022_1_39		Domman et al., Science 2017
ZChol	2016	Zambia	Africa	SRR17283076/SRR17283077	ZChol		Fakoya et al. mBio 2022
S152	2003	Mozambique	Africa	ERS1938085	152_L008_R1		Garrine et al. PLoS Neglect Trop Dis 2017
S121	2003	Mozambique	Africa	ERS1938079	121_L008_R1		Garrine et al. PLoS Neglect Trop Dis 2017
S1020229_6	2010	Mozambique	Africa	ERS1938072	1020229_6_L007_R1		Garrine et al. PLoS Neglect Trop Dis 2017
S1019828_5	2010	Mozambique	Africa	ERS1938068	1019828_5_L007_R1		Garrine et al. PLoS Neglect Trop Dis 2017
S0074	2003	Mozambique	Africa	ERS1938060	0074_L002_R1		Garrine et al. PLoS Neglect Trop Dis 2017
S0035	2002	Mozambique	Africa	ERS1938059	0035_L008_R1		Garrine et al. PLoS Neglect Trop Dis 2017

S0034	2002	Mozambique	Africa	ERS1938058	0034_L008_R1		Garrine et al. PLoS Neglect Trop Dis 2017
S0014	2002	Mozambique	Africa	ERS1938051	0014_L008_R1		Garrine et al. PLoS Neglect Trop Dis 2017
HC_23A1	2010	Haiti	North America	SRR135546	SRR135546		Hasan et al. PNAS 2012
HC_49A2	2010	Haiti	North America	SRR135544	SRR135544		Hasan et al. PNAS 2012
N16961	1975	Bangladesh	Asia		Vibrio_cholerae_O1_biovar_eltor_str_N16961_v2	LT907989/LT907990	Heidelberg et al. Nature 2000
VC-26	2010	Nepal	Asia	SRR308727	SRR308727		Hendriksen et al. Mbio 2011
VC-26	2010	Nepal	Asia	SRR308726	SRR308726		Hendriksen et al. Mbio 2011
VC-22	2010	Nepal	Asia	SRR308725	SRR308725		Hendriksen et al. Mbio 2011
VC-21	2010	Nepal	Asia	SRR308724	SRR308724		Hendriksen et al. Mbio 2011
VC-20	2010	Nepal	Asia	SRR308723	SRR308723		Hendriksen et al. Mbio 2011
VC-19	2010	Nepal	Asia	SRR308722	SRR308722		Hendriksen et al. Mbio 2011
VC-18	2010	Nepal	Asia	SRR308721	SRR308721		Hendriksen et al. Mbio 2011
VC-17	2010	Nepal	Asia	SRR308720	SRR308720		Hendriksen et al. Mbio 2011
VC-16	2010	Nepal	Asia	SRR308717	SRR308717		Hendriksen et al. Mbio 2011
VC-15	2010	Nepal	Asia	SRR308716	SRR308716		Hendriksen et al. Mbio 2011
VC-14	2010	Nepal	Asia	SRR308715	SRR308715		Hendriksen et al. Mbio 2011
VC-13	2010	Nepal	Asia	SRR308713	SRR308713		Hendriksen et al. Mbio 2011
VC-12	2010	Nepal	Asia	SRR308709	SRR308709		Hendriksen et al. Mbio 2011
VC-11	2010	Nepal	Asia	SRR308708	SRR308708		Hendriksen et al. Mbio 2011
VC-10	2010	Nepal	Asia	SRR308707	SRR308707		Hendriksen et al. Mbio 2011
VC-9	2010	Nepal	Asia	SRR308706	SRR308706		Hendriksen et al. Mbio 2011
VC-8	2010	Nepal	Asia	SRR308705	SRR308705		Hendriksen et al. Mbio 2011
VC-7	2010	Nepal	Asia	SRR308704	SRR308704		Hendriksen et al. Mbio 2011
VC-6	2010	Nepal	Asia	SRR308703	SRR308703		Hendriksen et al. Mbio 2011
VC-5	2010	Nepal	Asia	SRR308693	SRR308693		Hendriksen et al. Mbio 2011
VC-4	2010	Nepal	Asia	SRR308692	SRR308692		Hendriksen et al. Mbio 2011
VC-3	2010	Nepal	Asia	SRR308691	SRR308691		Hendriksen et al. Mbio 2011

VC-2	2010	Nepal	Asia	SRR308690	SRR308690		Hendriksen et al. Mbio 2011
VC-1	2010	Nepal	Asia	SRR308665	SRR308665		Hendriksen et al. Mbio 2011
Tanz_100_1	2015	Tanzania	Africa	ERS2318718	IL100065177_S148_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_78	2015	Tanzania	Africa	ERS2318712	IL100065171_S142_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_65	2015	Tanzania	Africa	ERS2318708	IL100065167_S138_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_60	2012	Tanzania	Africa	ERS2318705	IL100065164_S135_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_58	2011	Tanzania	Africa	ERS2318704	IL100065163_S134_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_56	2012	Tanzania	Africa	ERS2318703	IL100065162_S133_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_48	2015	Tanzania	Africa	ERS2318700	IL100064947_S130_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_42	2015	Tanzania	Africa	ERS2318697	IL100064944_S127_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_33	2015	Tanzania	Africa	ERS2318693	IL100064940_S123_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_20	2015	Tanzania	Africa	ERS2318689	IL100064936_S119_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_14	2015	Tanzania	Africa	ERS2318685	IL100064932_S115_L008		Kachwamba et al. BMC Infect Dis 2017
Tanz_9	2015	Tanzania	Africa	ERS2318682	IL100064929_S45_L002		Kachwamba et al. BMC Infect Dis 2017
Tanz_3	2015	Tanzania	Africa	ERS2318681	IL100064928_S44_L002		Kachwamba et al. BMC Infect Dis 2017
Tanz_2	2015	Tanzania	Africa	ERS2318680	IL100064927_S43_L002		Kachwamba et al. BMC Infect Dis 2017
CP1050	2010	Bangladesh	Asia	SRR227335	SRR227335		Katz et al. Mbio 2013
CP1048	2010	Bangladesh	Asia	SRR227303	SRR227303		Katz et al. Mbio 2013
2010EL_1749	2010	Cameroon	Africa	SRR773655	2010EL_1749		Katz et al. Mbio 2013
HC-22A1	2010	Haiti	North America	SRR191381	SRR191381		Katz et al. Mbio 2013
HC-68A1	2010	Haiti	North America	SRR191363	SRR191363		Katz et al. Mbio 2013
HC-40A1	2010	Haiti	North America	SRR135545	SRR135545		Katz et al. Mbio 2013
HCUF01	2010	Haiti	North America	SRR135540	SRR135540		Katz et al. Mbio 2013
2012EL-1410	2012	Haiti	North America	SRR773397	SR773397		Katz et al. Mbio 2013
2011EL_1137	2009	Republic of South Africa	Africa	SRR774784	2011EL_1137		Katz et al. Mbio 2013

CP1042	2010	Thailand	Asia	SRR227324	SRR227324		Katz et al. Mbio 2013
CP1041	2004	Zambia	Africa	SRR227309	SRR227309		Katz et al. Mbio 2013
CP1038	2009	Zimbabwe	Africa	SRR227311	SRR227311		Katz et al. Mbio 2013
KNC1709	2009	Kenya	Africa	ERR114418	7346_8_53		Kiiru et al. Plos One 2013
KNC8678	2009	Kenya	Africa	ERR114416	7346_8_51		Kiiru et al. Plos One 2013
KNC8673	2009	Kenya	Africa	ERR114415	7346_8_50		Kiiru et al. Plos One 2013
KNC151	2010	Kenya	Africa	ERR117573	7298_7_7		Kiiru et al. Plos One 2013
KNC135	2009	Kenya	Africa	ERR117572	7298_7_6		Kiiru et al. Plos One 2013
KNC145	2010	Kenya	Africa	ERR117571	7298_7_5		Kiiru et al. Plos One 2013
KNC1509	2009	Kenya	Africa	ERR117613	7298_7_47		Kiiru et al. Plos One 2013
KNC8572	2009	Kenya	Africa	ERR117612	7298_7_46		Kiiru et al. Plos One 2013
KNC8675	2009	Kenya	Africa	ERR117610	7298_7_44		Kiiru et al. Plos One 2013
KNC207	2009	Kenya	Africa	ERR117609	7298_7_43		Kiiru et al. Plos One 2013
KNC1420	2009	Kenya	Africa	ERR117607	7298_7_41		Kiiru et al. Plos One 2013
KNC8679	2008	Kenya	Africa	ERR117606	7298_7_40		Kiiru et al. Plos One 2013
KNC233	2009	Kenya	Africa	ERR117605	7298_7_39		Kiiru et al. Plos One 2013
KNC206	2009	Kenya	Africa	ERR117604	7298_7_38		Kiiru et al. Plos One 2013
KNC231	2009	Kenya	Africa	ERR117600	7298_7_34		Kiiru et al. Plos One 2013
KNC8669	2010	Kenya	Africa	ERR117599	7298_7_33		Kiiru et al. Plos One 2013
KNC155	2010	Kenya	Africa	ERR117597	7298_7_31		Kiiru et al. Plos One 2013
KNE168	2010	Kenya	Africa	ERR117569	7298_7_3		Kiiru et al. Plos One 2013
KNC8885	2010	Kenya	Africa	ERR117595	7298_7_29		Kiiru et al. Plos One 2013
KNC156	2009	Kenya	Africa	ERR117594	7298_7_28		Kiiru et al. Plos One 2013
KNC1888	2007	Kenya	Africa	ERR117593	7298_7_27		Kiiru et al. Plos One 2013
KNC157	2009	Kenya	Africa	ERR117592	7298_7_26		Kiiru et al. Plos One 2013
KNC161	2010	Kenya	Africa	ERR117590	7298_7_24		Kiiru et al. Plos One 2013
KNC147	2010	Kenya	Africa	ERR117588	7298_7_22		Kiiru et al. Plos One 2013
KNC11	2010	Kenya	Africa	ERR117586	7298_7_20		Kiiru et al. Plos One 2013

KNC158	2010	Kenya	Africa	ERR117583	7298_7_17		Kiiru et al. Plos One 2013
KNC8889	2010	Kenya	Africa	ERR117581	7298_7_15		Kiiru et al. Plos One 2013
KNC133	2007	Kenya	Africa	ERR117579	7298_7_13		Kiiru et al. Plos One 2013
KNC8880	2010	Kenya	Africa	ERR117578	7298_7_12		Kiiru et al. Plos One 2013
KNC56	2010	Kenya	Africa	ERR117577	7298_7_11		Kiiru et al. Plos One 2013
KNEXXH	2009	Kenya	Africa	ERR117556	7298_6_86		Kiiru et al. Plos One 2013
KNEXC	2009	Kenya	Africa	ERR117555	7298_6_85		Kiiru et al. Plos One 2013
KNE3C	2010	Kenya	Africa	ERR117473	7298_5_3		Kiiru et al. Plos One 2013
KNE3G	2010	Kenya	Africa	ERR117490	7298_5_20		Kiiru et al. Plos One 2013
KNE170	2010	Kenya	Africa	ERR117485	7298_5_15		Kiiru et al. Plos One 2013
KNE11B	2010	Kenya	Africa	ERR117484	7298_5_14		Kiiru et al. Plos One 2013
KNE134B	2009	Kenya	Africa	ERR117482	7298_5_12		Kiiru et al. Plos One 2013
KNE134	2009	Kenya	Africa	ERR117480	7298_5_10		Kiiru et al. Plos One 2013
VE3	2010	Kenya	Africa	ERR037741	6084_8_20		Kiiru et al. Plos One 2013
VE2	2010	Kenya	Africa	ERR037739	6084_8_19		Kiiru et al. Plos One 2013
VE1	2010	Kenya	Africa	ERR037738	6084_8_18		Kiiru et al. Plos One 2013
YA00122542	2018	Zimbabwe	Africa	ERR3342516	YA00122542-VCH_S14_L001		Mashe et al. NEJM 2020
YA00122540	2018	Zimbabwe	Africa	ERR3342515	YA00122540-VCH_S12_L001		Mashe et al. NEJM 2020
YA00122539	2018	Zimbabwe	Africa	ERR3342514	YA00122539-VCH_S11_L001		Mashe et al. NEJM 2020
YA00122538	2018	Zimbabwe	Africa	ERR3342513	YA00122538-VCH_S23_L001		Mashe et al. NEJM 2020
YA00122536	2018	Zimbabwe	Africa	ERR3342512	YA00122536-VCH_S22_L001		Mashe et al. NEJM 2020
YA00122534	2018	Zimbabwe	Africa	ERR3342511	YA00122534-VCH_S20_L001		Mashe et al. NEJM 2020
YA00122533	2018	Zimbabwe	Africa	ERR3342510	YA00122533-VCH_S19_L001		Mashe et al. NEJM 2020
YA00122532	2018	Zimbabwe	Africa	ERR3342509	YA00122532-VCH_S18_L001		Mashe et al. NEJM 2020
YA00122531	2018	Zimbabwe	Africa	ERR3342508	YA00122531-VCH_S17_L001		Mashe et al. NEJM 2020
YA00122530	2018	Zimbabwe	Africa	ERR3342507	YA00122530-VCH_S16_L001		Mashe et al. NEJM 2020
YA00120881	2018	Zimbabwe	Africa	ERR3342506	YA00120881-VCH_S10_L001		Mashe et al. NEJM 2020
env894	2013	Haiti	North America	SRR8364258	SRR8364258		Mavian et al. PNAS 2020

HC330	2013	Haiti	North America	SRR8364340	SRR8364340		Mavian et al. PNAS 2020
HC309	2013	Haiti	North America	SRR8364342	SRR8364342		Mavian et al. PNAS 2020
HC380	2013	Haiti	North America	SRR8364346	SRR8364346		Mavian et al. PNAS 2020
HC391	2013	Haiti	North America	SRR8364345	SRR8364345		Mavian et al. PNAS 2020
HC318	2013	Haiti	North America	SRR8364341	SRR8364341		Mavian et al. PNAS 2020
HC441	2013	Haiti	North America	SRR8364344	SRR8364344		Mavian et al. PNAS 2020
HC560	2013	Haiti	North America	SRR8364269	SRR8364269		Mavian et al. PNAS 2020
env1112	2013	Haiti	North America	SRR8364288	SRR8364288		Mavian et al. PNAS 2020
HC635	2013	Haiti	North America	SRR8364310	SRR8364310		Mavian et al. PNAS 2020
env1218	2013	Haiti	North America	SRR8364430	SRR8364430		Mavian et al. PNAS 2020
HC861	2013	Haiti	North America	SRR8364311	SRR8364311		Mavian et al. PNAS 2020
env1320	2013	Haiti	North America	SRR8364436	SRR8364436		Mavian et al. PNAS 2020
HC992	2013	Haiti	North America	SRR8364358	SRR8364358		Mavian et al. PNAS 2020
env1792	2014	Haiti	North America	SRR8364256	SRR8364256		Mavian et al. PNAS 2020
HC1730	2014	Haiti	North America	SRR8364347	SRR8364347		Mavian et al. PNAS 2020
HC1799	2015	Haiti	North America	SRR8364353	SRR8364353		Mavian et al. PNAS 2020
HC1892	2015	Haiti	North America	SRR8364413	SRR8364413		Mavian et al. PNAS 2020
env4303	2015	Haiti	North America	SRR8364261	SRR8364261		Mavian et al. PNAS 2020
HC1961	2015	Haiti	North America	SRR8364418	SRR8364418		Mavian et al. PNAS 2020
HC1975	2015	Haiti	North America	SRR8364420	SRR8364420		Mavian et al. PNAS 2020
HC1996	2015	Haiti	North America	SRR8364396	SRR8364396		Mavian et al. PNAS 2020
HC2003	2015	Haiti	North America	SRR8364392	SRR8364392		Mavian et al. PNAS 2020
HC2015	2015	Haiti	North America	SRR8364398	SRR8364398		Mavian et al. PNAS 2020
HC2036	2015	Haiti	North America	SRR8364443	SRR8364443		Mavian et al. PNAS 2020

env4449	2015	Haiti	North America	SRR8364260	SRR8364260		Mavian et al. PNAS 2020
HC2068	2015	Haiti	North America	SRR8364427	SRR8364427		Mavian et al. PNAS 2020
HC2118	2016	Haiti	North America	SRR8364324	SRR8364324		Mavian et al. PNAS 2020
HC2117	2016	Haiti	North America	SRR8364323	SRR8364323		Mavian et al. PNAS 2020
HC2119	2016	Haiti	North America	SRR8364327	SRR8364327		Mavian et al. PNAS 2020
HC2123	2016	Haiti	North America	SRR8364319	SRR8364319		Mavian et al. PNAS 2020
HC2151	2016	Haiti	North America	SRR8364336	SRR8364336		Mavian et al. PNAS 2020
HC2165	2016	Haiti	North America	SRR8364273	SRR8364273		Mavian et al. PNAS 2020
HC2220	2016	Haiti	North America	SRR8364423	SRR8364423		Mavian et al. PNAS 2020
HC2335	2016	Haiti	North America	SRR8364329	SRR8364329		Mavian et al. PNAS 2020
HC2397	2017	Haiti	North America	SRR8364334	SRR8364334		Mavian et al. PNAS 2020
HC2417	2017	Haiti	North America	SRR8364406	SRR8364406		Mavian et al. PNAS 2020
HC2439	2017	Haiti	North America	SRR8364453	SRR8364453		Mavian et al. PNAS 2020
HC2459	2017	Haiti	North America	SRR8364449	SRR8364449		Mavian et al. PNAS 2020
HC2508	2017	Haiti	North America	SRR8364384	SRR8364384		Mavian et al. PNAS 2020
HC2554	2017	Haiti	North America	SRR8364300	SRR8364300		Mavian et al. PNAS 2020
HC2541	2017	Haiti	North America	SRR8364388	SRR8364388		Mavian et al. PNAS 2020
A5	1989	Angola	Africa	ERR025381	5174_7_4		Mutreja et al. Nature 2011
A316	1993	Argentina	South America	ERR018181	4056_8_8		Mutreja et al. Nature 2011
A200	1992	Argentina	South America	ERR018168	4056_7_8		Mutreja et al. Nature 2011
A201	1992	Argentina	South America	ERR018167	4056_7_7		Mutreja et al. Nature 2011
A186	1992	Argentina	South America	ERR018158	4056_7_1		Mutreja et al. Nature 2011
GP143	1978	Bahrein	Asia	ERR018192	4075_3_6		Mutreja et al. Nature 2011
MG116226	1991	Bangladesh	Asia	ERR025396	5174_8_9		Mutreja et al. Nature 2011
A22	1979	Bangladesh	Asia	ERR025386	5174_7_9		Mutreja et al. Nature 2011

A19	1971	Bangladesh	Asia	ERR025385	5174_7_8		Mutreja et al. Nature 2011
A10	1979	Bangladesh	Asia	ERR025383	5174_7_6		Mutreja et al. Nature 2011
4662	2001	Bangladesh	Asia	ERR025373	5174_6_7		Mutreja et al. Nature 2011
A487(2)	2007	Bangladesh	Asia	ERR018182	4056_8_9		Mutreja et al. Nature 2011
A346(2)	1994	Bangladesh	Asia	ERR018179	4056_8_6		Mutreja et al. Nature 2011
A390	1987	Bangladesh	Asia	ERR018177	4056_8_4		Mutreja et al. Nature 2011
A397	1987	Bangladesh	Asia	ERR018176	4056_8_3		Mutreja et al. Nature 2011
A488(2)	2006	Bangladesh	Asia	ERR018128	4056_2_7		Mutreja et al. Nature 2011
MG116025	1991	Bangladesh	Asia	ERR018122	4056_2_12		Mutreja et al. Nature 2011
A383	2002	Bangladesh	Asia	ERR018121	4056_2_11		Mutreja et al. Nature 2011
MJ1485	1994	Bangladesh	Asia	ERR018120	4056_2_10		Mutreja et al. Nature 2011
4672	2000	Bangladesh	Asia	ERR019884	3002_8_6		Mutreja et al. Nature 2011
4670	1991	Bangladesh	Asia	ERR019883	3002_8_5		Mutreja et al. Nature 2011
4661	2001	Bangladesh	Asia	ERR018116	2956_6_6		Mutreja et al. Nature 2011
4663	2001	Bangladesh	Asia	ERR018115	2956_6_5		Mutreja et al. Nature 2011
4679	1999	Bangladesh	Asia	ERR018114	2956_6_4		Mutreja et al. Nature 2011
4675	2001	Bangladesh	Asia	ERR018113	2956_6_3		Mutreja et al. Nature 2011
A193	1992	Bolivia	South America	ERR018160	4056_7_11		Mutreja et al. Nature 2011
A185	1992	Colombia	South America	ERR018156	4056_6_9		Mutreja et al. Nature 2011
A177	1992	Colombia	South America	ERR018149	4056_6_2		Mutreja et al. Nature 2011
A180	1992	Colombia	South America	ERR018148	4056_6_12		Mutreja et al. Nature 2011
A184	1992	Colombia	South America	ERR018146	4056_6_10		Mutreja et al. Nature 2011
A481	2007	Djibouti	Africa	ERR018175	4056_8_2		Mutreja et al. Nature 2011
A482	2007	Djibouti	Africa	ERR018174	4056_8_12		Mutreja et al. Nature 2011
A483	2007	Djibouti	Africa	ERR018172	4056_8_10		Mutreja et al. Nature 2011
A18	1977	India	Asia	ERR025384	5174_7_7		Mutreja et al. Nature 2011
4536	2007	India	Asia	ERR025375	5174_6_9		Mutreja et al. Nature 2011

4519	2005	India	Asia	ERR025374	5174_6_8		Mutreja et al. Nature 2011
4646	2007	India	Asia	ERR025372	5174_6_6		Mutreja et al. Nature 2011
4600	2007	India	Asia	ERR025371	5174_6_5		Mutreja et al. Nature 2011
4488	2006	India	Asia	ERR025369	5174_6_3		Mutreja et al. Nature 2011
4552	2007	India	Asia	ERR025368	5174_6_2		Mutreja et al. Nature 2011
4585	2007	India	Asia	ERR025366	5174_6_1		Mutreja et al. Nature 2011
4339	2004	India	Asia	ERR025361	5174_5_6		Mutreja et al. Nature 2011
4538	2007	India	Asia	ERR025360	5174_5_5		Mutreja et al. Nature 2011
4593	2007	India	Asia	ERR025359	5174_5_4		Mutreja et al. Nature 2011
4623	2007	India	Asia	ERR025358	5174_5_3		Mutreja et al. Nature 2011
4551	2007	India	Asia	ERR025357	5174_5_2		Mutreja et al. Nature 2011
PRL64	1992	India	Asia	ERR018195	4075_3_9		Mutreja et al. Nature 2011
PRL5	1980	India	Asia	ERR018189	4075_3_3		Mutreja et al. Nature 2011
GP152	1979	India	Asia	ERR018188	4075_3_2		Mutreja et al. Nature 2011
IDHO1'726	2009	India	Asia	ERR018187	4075_3_12		Mutreja et al. Nature 2011
GP60	1973	India	Asia	ERR018186	4075_3_11		Mutreja et al. Nature 2011
A130	1989	India	Asia	ERR018154	4056_6_7		Mutreja et al. Nature 2011
A131	1989	India	Asia	ERR018153	4056_6_6		Mutreja et al. Nature 2011
MBRN14	2004	India	Asia	ERR018130	4056_2_9		Mutreja et al. Nature 2011
V5	1989	India	Asia	ERR018127	4056_2_6		Mutreja et al. Nature 2011
V109	1990	India	Asia	ERR018126	4056_2_5		Mutreja et al. Nature 2011
V212-1	1991	India	Asia	ERR018125	4056_2_4		Mutreja et al. Nature 2011
VC51	1992	India	Asia	ERR018124	4056_2_3		Mutreja et al. Nature 2011
MBN17	2004	India	Asia	ERR018123	4056_2_2		Mutreja et al. Nature 2011
A330	1993	India	Asia	ERR018119	4056_2_1		Mutreja et al. Nature 2011
4322	2004	India	Asia	ERR019881	3002_8_3		Mutreja et al. Nature 2011
4656	2006	India	Asia	ERR018112	2956_6_2		Mutreja et al. Nature 2011
4605	2007	India	Asia	ERR018111	2956_6_1		Mutreja et al. Nature 2011

A6	1957	Indonesia	Asia	ERR025382	5174_7_5		Mutreja et al. Nature 2011
7685	2009	Kenya	Africa	ERR028076	4370_3_8		Mutreja et al. Nature 2011
7686	2009	Kenya	Africa	ERR028075	4370_3_7		Mutreja et al. Nature 2011
7687	2009	Kenya	Africa	ERR028074	4370_3_6		Mutreja et al. Nature 2011
7684	2009	Kenya	Africa	ERR028068	4370_3_11		Mutreja et al. Nature 2011
7682	2009	Kenya	Africa	ERR028066	4370_3_1		Mutreja et al. Nature 2011
6215	2005	Kenya	Africa	ERR019297	4370_2_9		Mutreja et al. Nature 2011
6193	2005	Kenya	Africa	ERR019296	4370_2_8		Mutreja et al. Nature 2011
6194	2007	Kenya	Africa	ERR019295	4370_2_7		Mutreja et al. Nature 2011
6197	2007	Kenya	Africa	ERR019292	4370_2_4		Mutreja et al. Nature 2011
6201	2007	Kenya	Africa	ERR019291	4370_2_3		Mutreja et al. Nature 2011
6210	2007	Kenya	Africa	ERR019290	4370_2_2		Mutreja et al. Nature 2011
6212	2007	Kenya	Africa	ERR019289	4370_2_12		Mutreja et al. Nature 2011
6191	2005	Kenya	Africa	ERR019288	4370_2_11		Mutreja et al. Nature 2011
6214	2007	Kenya	Africa	ERR019287	4370_2_10		Mutreja et al. Nature 2011
GP140	1978	Malaysia	Asia	ERR018193	4075_3_7		Mutreja et al. Nature 2011
A231	1991	Mexico	North America	ERR018161	4056_7_12		Mutreja et al. Nature 2011
A232	1991	Mexico	North America	ERR018159	4056_7_10		Mutreja et al. Nature 2011
1627	2005	Mozambique	Africa	ERR025377	5174_7_1		Mutreja et al. Nature 2011
1362	2005	Mozambique	Africa	ERR025367	5174_6_10		Mutreja et al. Nature 2011
1346	2005	Mozambique	Africa	ERR025356	5174_5_1		Mutreja et al. Nature 2011
A152	1991	Mozambique	Africa	ERR018152	4056_6_5		Mutreja et al. Nature 2011
A154	1991	Mozambique	Africa	ERR018151	4056_6_4		Mutreja et al. Nature 2011
A155	1991	Mozambique	Africa	ERR018150	4056_6_3		Mutreja et al. Nature 2011
A32	1991	Peru	South America	ERR025390	5174_8_3		Mutreja et al. Nature 2011
A31	1991	Peru	South America	ERR025389	5174_8_2		Mutreja et al. Nature 2011
A29	1991	Peru	South America	ERR025388	5174_8_1		Mutreja et al. Nature 2011

A27	1991	Peru	South America	ERR025378	5174_7_10		Mutreja et al. Nature 2011
4784	2009	Tanzania	Africa	ERR025370	5174_6_4		Mutreja et al. Nature 2011
A4	1973	Unknown		ERR025380	5174_7_3		Mutreja et al. Nature 2011
A109	1990	Unknown		ERR018147	4056_6_11		Mutreja et al. Nature 2011
4113	2003	Vietnam	Asia	ERR025364	5174_5_9		Mutreja et al. Nature 2011
4121	2004	Vietnam	Asia	ERR025362	5174_5_7		Mutreja et al. Nature 2011
A245	1989	Vietnam	Asia	ERR018171	4056_8_1		Mutreja et al. Nature 2011
A241	1989	Vietnam	Asia	ERR018169	4056_7_9		Mutreja et al. Nature 2011
4122	2007	Vietnam	Asia	ERR019885	3002_8_7		Mutreja et al. Nature 2011
4111	2002	Vietnam	Asia	ERR019880	3002_8_2		Mutreja et al. Nature 2011
4110	1995	Vietnam	Asia	ERR019879	3002_8_1		Mutreja et al. Nature 2011
2010EL_1798	2010	Haiti	North America		2010EL_1798	AELI00000000.1	Reimer et al. EID 2011
2010EL_1792	2010	Haiti	North America		2010EL_1792	AELJ00000000.1	Reimer et al. EID 2011
2010EL_1786	2010	Haiti	North America		2010EL_1786	CP003069.1/CP003070.1	Reimer et al. EID 2011
2011EL_1089	2010	Haiti	North America	SRR773660	2011EL_1089		Reimer et al. EID 2011
S9KCH9	2010	Pakistan	Asia	ERR051772	6714_6_5		Shah et al. EID 2014
S7KCH20	2010	Pakistan	Asia	ERR051770	6714_6_3		Shah et al. EID 2014
S4KCH16	2010	Pakistan	Asia	ERR051767	6714_5_23		Shah et al. EID 2014
S2KCH17	2010	Pakistan	Asia	ERR051765	6714_5_21		Shah et al. EID 2014
S23HH18	2010	Pakistan	Asia	ERR051786	6714_6_19		Shah et al. EID 2014
S6KCH7	2010	Pakistan	Asia	ERR051769	6714_6_2		Shah et al. EID 2014
S5KCH10	2010	Pakistan	Asia	ERR051768	6714_6_1		Shah et al. EID 2014
F8D25	2010	Pakistan	Asia	ERR051752	6714_5_8		Shah et al. EID 2014
S14P9	2010	Pakistan	Asia	ERR051777	6714_6_10		Shah et al. EID 2014
F4D48	2010	Pakistan	Asia	ERR051748	6714_5_4		Shah et al. EID 2014
S26R24	2010	Pakistan	Asia	ERR051789	6714_6_22		Shah et al. EID 2014
F1DN4	2010	Pakistan	Asia	ERR051745	6714_5_1		Shah et al. EID 2014

S27RG11	2010	Pakistan	Asia	ERR051790	6714_6_23		Shah et al. EID 2014
S24RG6	2010	Pakistan	Asia	ERR051787	6714_6_20		Shah et al. EID 2014
F14KPD3	2010	Pakistan	Asia	ERR051758	6714_5_14		Shah et al. EID 2014
F2D59	2010	Pakistan	Asia	ERR051746	6714_5_2		Shah et al. EID 2014
F11D4	2010	Pakistan	Asia	ERR051755	6714_5_11		Shah et al. EID 2014
F7D30	2010	Pakistan	Asia	ERR051751	6714_5_7		Shah et al. EID 2014
S22HH17	2010	Pakistan	Asia	ERR051785	6714_6_18		Shah et al. EID 2014
S20HH14	2010	Pakistan	Asia	ERR051783	6714_6_16		Shah et al. EID 2014
S16HH1	2010	Pakistan	Asia	ERR051779	6714_6_12		Shah et al. EID 2014
S8KCH18	2010	Pakistan	Asia	ERR051771	6714_6_4		Shah et al. EID 2014
F17KTH4	2010	Pakistan	Asia	ERR051761	6714_5_17		Shah et al. EID 2014
F18KTH3	2010	Pakistan	Asia	ERR051762	6714_5_18		Shah et al. EID 2014
S17HH3	2010	Pakistan	Asia	ERR051780	6714_6_13		Shah et al. EID 2014
F12D1	2010	Pakistan	Asia	ERR051756	6714_5_12		Shah et al. EID 2014
F5D38	2010	Pakistan	Asia	ERR051749	6714_5_5		Shah et al. EID 2014
S1KCH15	2010	Pakistan	Asia	ERR051764	6714_5_20		Shah et al. EID 2014
S21HH15	2010	Pakistan	Asia	ERR051784	6714_6_17		Shah et al. EID 2014
S25R22	2010	Pakistan	Asia	ERR051788	6714_6_21		Shah et al. EID 2014
S10P57	2010	Pakistan	Asia	ERR051773	6714_6_6		Shah et al. EID 2014
F19KTH2	2010	Pakistan	Asia	ERR051763	6714_5_19		Shah et al. EID 2014
S12P76	2010	Pakistan	Asia	ERR051775	6714_6_8		Shah et al. EID 2014
S13P83	2010	Pakistan	Asia	ERR051776	6714_6_9		Shah et al. EID 2014
S18HH4	2010	Pakistan	Asia	ERR051781	6714_6_14		Shah et al. EID 2014
S19HH5	2010	Pakistan	Asia	ERR051782	6714_6_15		Shah et al. EID 2014
F15KTH7	2010	Pakistan	Asia	ERR051759	6714_5_15		Shah et al. EID 2014
F16KTH6	2010	Pakistan	Asia	ERR051760	6714_5_16		Shah et al. EID 2014
H22	2022	Haiti	North America	SRR22351617	H22		This Study
D1	2021	Bangladesh	Asia	SRR22351616	D1		This Study

D2	2022	Bangladesh	Asia	SRR22351615	D2		This Study
D3	2022	Bangladesh	Asia	SRR22351614	D3		This Study
D4	2022	Bangladesh	Asia	SRR22351613	D4		This Study
EM1626	2011	Bangladesh	Asia	SRR491153	SRR491153		Unpublished EBI-ENA
CP1040	2004	Zambia	Africa	SRR227307	SRR227307		Unpublished EBI-ENA
CNRVC110078	2011	Bangladesh	Asia	ERR2265590	CNRVC110078		Weill et al. Nature 2019
CNRVC150256	2015	Democratic Republic of the Congo	Africa	ERR2265661	CNRVC150256		Weill et al. Nature 2019
CNRVC150071	2015	Democratic Republic of the Congo	Africa	ERR2265651	CNRVC150071		Weill et al. Nature 2019
CNRVC150056	2015	Democratic Republic of the Congo	Africa	ERR2265650	CNRVC150056		Weill et al. Nature 2019
THSTI_56712	2017	India	Asia	ERR2270662	THSTI_56712		Weill et al. Nature 2019
THSTI_56695	2017	India	Asia	ERR2270661	THSTI_56695		Weill et al. Nature 2019
THSTI_56650	2017	India	Asia	ERR2270660	THSTI_56650		Weill et al. Nature 2019
THSTI_55199	2017	India	Asia	ERR2270659	THSTI_55199		Weill et al. Nature 2019
THSTI_52665	2016	India	Asia	ERR2270658	THSTI_52665		Weill et al. Nature 2019
THSTI_52629	2016	India	Asia	ERR2270657	THSTI_52629		Weill et al. Nature 2019
THSTI_52588	2016	India	Asia	ERR2270656	THSTI_52588		Weill et al. Nature 2019
THSTI_52586	2016	India	Asia	ERR2270655	THSTI_52586		Weill et al. Nature 2019
THSTI_46073	2015	India	Asia	ERR2269953	THSTI_46073		Weill et al. Nature 2019
THSTI_45983	2015	India	Asia	ERR2269952	THSTI_45983		Weill et al. Nature 2019
THSTI_45869	2015	India	Asia	ERR2269951	THSTI_45869		Weill et al. Nature 2019
THSTI_45544	2015	India	Asia	ERR2269950	THSTI_45544		Weill et al. Nature 2019
THSTI_41081	2014	India	Asia	ERR2269949	THSTI_41081		Weill et al. Nature 2019
THSTI_41055	2014	India	Asia	ERR2269948	THSTI_41055		Weill et al. Nature 2019
THSTI_41049	2014	India	Asia	ERR2269947	THSTI_41049		Weill et al. Nature 2019
THSTI_36268	2013	India	Asia	ERR2269946	THSTI_36268		Weill et al. Nature 2019
THSTI_36136	2013	India	Asia	ERR2269945	THSTI_36136		Weill et al. Nature 2019
THSTI_36133	2013	India	Asia	ERR2269944	THSTI_36133		Weill et al. Nature 2019

THSTI_36124	2013	India	Asia	ERR2269930	THSTI_36124		Weill et al. Nature 2019
THSTI_33102	2012	India	Asia	ERR2269929	THSTI_33102		Weill et al. Nature 2019
THSTI_32676	2012	India	Asia	ERR2269928	THSTI_32676		Weill et al. Nature 2019
THSTI_31698	2012	India	Asia	ERR2269927	THSTI_31698		Weill et al. Nature 2019
THSTI_27071	2011	India	Asia	ERR2269926	THSTI_27071		Weill et al. Nature 2019
THSTI_26907	2011	India	Asia	ERR2269925	THSTI_26907		Weill et al. Nature 2019
THSTI_26871	2011	India	Asia	ERR2269924	THSTI_26871		Weill et al. Nature 2019
THSTI_26866	2011	India	Asia	ERR2269923	THSTI_26866		Weill et al. Nature 2019
THSTI_23835	2010	India	Asia	ERR2269922	THSTI_23835		Weill et al. Nature 2019
THSTI_23485	2010	India	Asia	ERR2269921	THSTI_23485		Weill et al. Nature 2019
THSTI_20370	2010	India	Asia	ERR2269808	THSTI_20370		Weill et al. Nature 2019
CNRVC150140	2015	India	Asia	ERR2265652	CNRVC150140		Weill et al. Nature 2019
CNRVC140176	2014	India	Asia	ERR2265649	CNRVC140176		Weill et al. Nature 2019
CNRVC170252	2015	Iran	Asia	ERR2269838	CNRVC170252		Weill et al. Nature 2019
CNRVC170250	2013	Iran	Asia	ERR2269837	CNRVC170250		Weill et al. Nature 2019
CNRVC170249	2013	Iran	Asia	ERR2269836	CNRVC170249		Weill et al. Nature 2019
CNRVC170248	2012	Iran	Asia	ERR2269835	CNRVC170248		Weill et al. Nature 2019
CNRVC160018	2007	Iraq	Asia	ERR2265666	CNRVC160018_TCATTC_L001		Weill et al. Nature 2019
CNRVC160017	2007	Iraq	Asia	ERR2265665	CNRVC160017_TATAAT_L001		Weill et al. Nature 2019
CNRVC160016	2007	Iraq	Asia	ERR2265664	CNRVC160016_TACAGC_L001		Weill et al. Nature 2019
CNRVC160014	2007	Iraq	Asia	ERR2265663	CNRVC160014_GCGCTA_L001		Weill et al. Nature 2019
CNRVC160013	2007	Iraq	Asia	ERR2265662	CNRVC160013_CTCAGA_L001		Weill et al. Nature 2019
CNRVC150181	2015	Iraq	Asia	ERR2265660	CNRVC150181_CCAACA_L001		Weill et al. Nature 2019
CNRVC150177	2015	Iraq	Asia	ERR2265659	CNRVC150177_CACTCA_L001		Weill et al. Nature 2019
CNRVC150171	2015	Iraq	Asia	ERR2265658	CNRVC150171_ATGAGC_L001		Weill et al. Nature 2019
CNRVC150170	2015	Iraq	Asia	ERR2265657	CNRVC150170_ACTGAT_L001		Weill et al. Nature 2019
CNRVC150169	2015	Iraq	Asia	ERR2265656	CNRVC150169_GGTAGC_L001		Weill et al. Nature 2019
CNRVC150168	2015	Iraq	Asia	ERR2265655	CNRVC150168_GAGTGG_L001		Weill et al. Nature 2019

31_1	2015	Kenya	Africa	ERR2265589	VC_31_1		Weill et al. Nature 2019
4621STDY6714780	2016	Kenya	Africa	ERS1572815	22204_7_320		Weill et al. Nature 2019
4621STDY6714778	2010	Kenya	Africa	ERS1572813	22204_7_318		Weill et al. Nature 2019
4621STDY6714774	2012	Kenya	Africa	ERS1572809	22204_7_314		Weill et al. Nature 2019
4621STDY6714768	2012	Kenya	Africa	ERS1572803	22204_7_308		Weill et al. Nature 2019
4621STDY6714763	2012	Kenya	Africa	ERS1572798	22204_7_303		Weill et al. Nature 2019
4621STDY6714758	2015	Kenya	Africa	ERS1572793	22204_7_298		Weill et al. Nature 2019
4621STDY6714750	2015	Kenya	Africa	ERS1572785	22204_7_290		Weill et al. Nature 2019
4621STDY6714749	2015	Kenya	Africa	ERS1572784	22204_7_289		Weill et al. Nature 2019
4621STDY6714748	2015	Kenya	Africa	ERS1572783	22204_7_288		Weill et al. Nature 2019
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CNRVC170160	2017	South Sudan	Africa	ERR2265670	CNRVC170160		Weill et al. Nature 2019
CNRVC170159	2017	South Sudan	Africa	ERR2265669	CNRVC170159		Weill et al. Nature 2019
CNRVC160462	2016	South Sudan	Africa	ERR2265668	CNRVC160462		Weill et al. Nature 2019
CNRVC160461	2016	South Sudan	Africa	ERR2265667	CNRVC160461		Weill et al. Nature 2019
CNRVC150165	2015	South Sudan	Africa	ERR2265654	CNRVC150165		Weill et al. Nature 2019
CNRVC150141	2015	South Sudan	Africa	ERR2265653	CNRVC150141		Weill et al. Nature 2019
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CNRVC140077	2014	South Sudan	Africa	ERR2265647	CNRVC140077		Weill et al. Nature 2019
CNRVC140072	2014	South Sudan	Africa	ERR2265646	CNRVC140072		Weill et al. Nature 2019
CNRVC140069	2014	South Sudan	Africa	ERR2265645	CNRVC140069		Weill et al. Nature 2019
CNRVC140054	2014	South Sudan	Africa	ERR2265591	CNRVC140054		Weill et al. Nature 2019
CNRVC170242	2017	Yemen	Asia	ERR2269834	CNRVC170242		Weill et al. Nature 2019

CNRVC170241	2017	Yemen	Asia	ERR2269833	CNRVC170241		Weill et al. Nature 2019
CNRVC170240	2017	Yemen	Asia	ERR2269832	CNRVC170240		Weill et al. Nature 2019
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CNRVC170173	2016	Yemen	Asia	ERR2265677	CNRVC170173		Weill et al. Nature 2019
CNRVC170170	2016	Yemen	Asia	ERR2265676	CNRVC170170		Weill et al. Nature 2019
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CNRVC170168	2016	Yemen	Asia	ERR2265674	CNRVC170168		Weill et al. Nature 2019
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CNRVC990298	1999	Afghanistan	Asia	ERR1879648	CNRVC990298_ATGTCA_L001		Weill et al. Science 2017
CNRVC940149	1994	Albania	Europe	ERR1879577	CNRVC940149_AGTCAA_L002		Weill et al. Science 2017
CNRVC070154	1994	Algeria	Africa	ERR1878560	CNRVC070154_GGCTAC_L001		Weill et al. Science 2017
CNRVC070120	1994	Algeria	Africa	ERR1878555	CNRVC070120_TAGCTT_L001		Weill et al. Science 2017
CNRVC970008	1990	Algeria	Africa	ERR976476	16244_7_25		Weill et al. Science 2017
CNRVC950418	1974	Algeria	Africa	ERR976444	16244_6_87		Weill et al. Science 2017
CNRVC930187	1982	Algeria	Africa	ERR976413	16244_6_56		Weill et al. Science 2017
CNRVC930172	1986	Algeria	Africa	ERR976412	16244_6_55		Weill et al. Science 2017
CNRVC930169	1986	Algeria	Africa	ERR976409	16244_6_52		Weill et al. Science 2017
CNRVC930168	1982	Algeria	Africa	ERR976408	16244_6_51		Weill et al. Science 2017
CNRVC930167	1974	Algeria	Africa	ERR976407	16244_6_50		Weill et al. Science 2017
CNRVC930166	1975	Algeria	Africa	ERR976406	16244_6_49		Weill et al. Science 2017
CNRVC930164	1983	Algeria	Africa	ERR976405	16244_6_48		Weill et al. Science 2017
CNRVC920172	1987	Algeria	Africa	ERR976395	16244_6_38		Weill et al. Science 2017

RKI-ZBS2-CH19	1972	Angola	Africa	ERR1880793	RKI-ZBS2-CH19_GCGCTA_L002		Weill et al. Science 2017
CNRVC950002	1995	Angola	Africa	ERR998664	16356_8_9		Weill et al. Science 2017
CNRVC950007	1995	Angola	Africa	ERR998665	16356_8_10		Weill et al. Science 2017
CNRVC940012	1994	Angola	Africa	ERR976533	16244_7_82		Weill et al. Science 2017
CNRVC940011	1994	Angola	Africa	ERR976532	16244_7_81		Weill et al. Science 2017
CNRVC920027	1992	Angola	Africa	ERR976522	16244_7_71		Weill et al. Science 2017
CNRVC950569	1970	Angola	Africa	ERR976457	16244_7_6		Weill et al. Science 2017
CNRVC140132	1988	Angola	Africa	ERR976503	16244_7_52		Weill et al. Science 2017
CNRVC140131	1988	Angola	Africa	ERR976502	16244_7_51		Weill et al. Science 2017
CNRVC140130	1988	Angola	Africa	ERR976501	16244_7_50		Weill et al. Science 2017
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CNRVC140129	1988	Angola	Africa	ERR976500	16244_7_49		Weill et al. Science 2017
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CNRVC960579	1970	Benin	Africa	ERR976460	16244_7_9		Weill et al. Science 2017
CNRVC960575	1970	Benin	Africa	ERR976459	16244_7_8		Weill et al. Science 2017
CNRVC910267	1991	Benin	Africa	ERR976515	16244_7_64		Weill et al. Science 2017
CNRVC910266	1991	Benin	Africa	ERR976514	16244_7_63		Weill et al. Science 2017
CNRVC910036	1991	Benin	Africa	ERR976513	16244_7_62		Weill et al. Science 2017
CNRVC980046	1985	Benin	Africa	ERR976483	16244_7_32		Weill et al. Science 2017
CNRVC990234	1999	Burkina Faso	Africa	ERR1879646	CNRVC990234_CTATAC_L002		Weill et al. Science 2017
CNRVC070334	2005	Burkina Faso	Africa	ERR1878563	CNRVC070334		Weill et al. Science 2017
CNRVC070316	2005	Burkina Faso	Africa	ERR1878562	CNRVC070316		Weill et al. Science 2017
CNRVC010206	2001	Burkina Faso	Africa	ERR1877949	CNRVC010206		Weill et al. Science 2017
CNRVC010205	2001	Burkina Faso	Africa	ERR1877948	CNRVC010205		Weill et al. Science 2017
CNRVC950806	1995	Burkina Faso	Africa	ERR998688	16356_8_33		Weill et al. Science 2017
CNRVC950801	1995	Burkina Faso	Africa	ERR998687	16356_8_32		Weill et al. Science 2017
CNRVC950702	1995	Burkina Faso	Africa	ERR998672	16356_8_17		Weill et al. Science 2017
CNRVC950700	1995	Burkina Faso	Africa	ERR998671	16356_8_16		Weill et al. Science 2017
CNRVC980360	1998	Burkina Faso	Africa	ERR976573	16244_8_27		Weill et al. Science 2017
CNRVC980359	1998	Burkina Faso	Africa	ERR976572	16244_8_26		Weill et al. Science 2017
CNRVC980049	1984	Burkina Faso	Africa	ERR976486	16244_7_35		Weill et al. Science 2017
CNRVC980048	1984	Burkina Faso	Africa	ERR976485	16244_7_34		Weill et al. Science 2017
CNRVC980040	1984	Burkina Faso	Africa	ERR976479	16244_7_28		Weill et al. Science 2017
CNRVC950405	1974	Burkina Faso	Africa	ERR976443	16244_6_86		Weill et al. Science 2017
CNRVC950396	1974	Burkina Faso	Africa	ERR976442	16244_6_85		Weill et al. Science 2017
CNRVC950106	1974	Burkina Faso	Africa	ERR976419	16244_6_62		Weill et al. Science 2017
CNRVC950105	1974	Burkina Faso	Africa	ERR976418	16244_6_61		Weill et al. Science 2017
CNRVC970056	1997	Burundi	Africa	ERR1879636	CNRVC970056_CATTTT_L002		Weill et al. Science 2017
CNRVC010062	2001	Burundi	Africa	ERR1877942	CNRVC010062		Weill et al. Science 2017
CNRVC010061	2001	Burundi	Africa	ERR1877941	CNRVC010061		Weill et al. Science 2017

C8466	1992	Burundi	Africa	ERR1877618	CDCC8466_rep		Weill et al. Science 2017
C8465	1992	Burundi	Africa	ERR1877617	CDCC8465_rep		Weill et al. Science 2017
CNRVC930425	1993	Burundi	Africa	ERR976530	16244_7_79		Weill et al. Science 2017
CNRVC930417	1993	Burundi	Africa	ERR976529	16244_7_78		Weill et al. Science 2017
CNRVC990194	1999	Cambodia	Asia	ERR1879644	CNRVC990194_CGGAAT_L002		Weill et al. Science 2017
CNRVC930067	1963	Cambodia	Asia	ERR1879567	CNRVC930067_GCCAAT_L002		Weill et al. Science 2017
CNRVC910040	1991	Cambodia	Asia	ERR1879548	CNRVC910040_CAGATC_L001		Weill et al. Science 2017
CNRVC150239	1993	Cambodia	Asia	ERR1879538	CNRVC150239_CGGAAT_L001		Weill et al. Science 2017
CNRVC990329	1999	Cameroon	Africa	ERR1879650	CNRVC990329_CGATGT_L001		Weill et al. Science 2017
CNRVC110128	2010	Cameroon	Africa	ERR1878598	CNRVC110128		Weill et al. Science 2017
CNRVC110120	2011	Cameroon	Africa	ERR1878597	CNRVC110120		Weill et al. Science 2017
CNRVC110113	2011	Cameroon	Africa	ERR1878596	CNRVC110113		Weill et al. Science 2017
CNRVC110096	2010	Cameroon	Africa	ERR1878595	CNRVC110096		Weill et al. Science 2017
CNRVC100186	2010	Cameroon	Africa	ERR1878588	CNRVC100186		Weill et al. Science 2017
CNRVC090182	2009	Cameroon	Africa	ERR1878580	CNRVC090182		Weill et al. Science 2017
CNRVC080764	2008	Cameroon	Africa	ERR1878574	CNRVC080764		Weill et al. Science 2017
CNRVC080762	2008	Cameroon	Africa	ERR1878573	CNRVC080762		Weill et al. Science 2017
CNRVC060111	2006	Cameroon	Africa	ERR1878152	CNRVC060111		Weill et al. Science 2017
CNRVC050011	2005	Cameroon	Africa	ERR1878129	CNRVC050011		Weill et al. Science 2017
CNRVC050008	2005	Cameroon	Africa	ERR1878128	CNRVC050008		Weill et al. Science 2017
CNRVC040110	2004	Cameroon	Africa	ERR1878108	CNRVC040110		Weill et al. Science 2017
CNRVC040082	2002	Cameroon	Africa	ERR1878107	CNRVC040082		Weill et al. Science 2017
CNRVC040074	2001	Cameroon	Africa	ERR1878106	CNRVC040074		Weill et al. Science 2017
CNRVC040061	2004	Cameroon	Africa	ERR1878105	CNRVC040061		Weill et al. Science 2017
CNRVC010221	2001	Cameroon	Africa	ERR1877950	CNRVC010221		Weill et al. Science 2017
CNRVC010023	2000	Cameroon	Africa	ERR1877645	CNRVC010023		Weill et al. Science 2017
CNRVC000323	2000	Cameroon	Africa	ERR1877643	CNRVC000323		Weill et al. Science 2017
F135	1993	Cameroon	Africa	ERR1879651	CDCF135_rep		Weill et al. Science 2017

CNRVC970036	1997	Cameroon	Africa	ERR998731	16356_8_76		Weill et al. Science 2017
CNRVC970024	1997	Cameroon	Africa	ERR998728	16356_8_73		Weill et al. Science 2017
CNRVC970022	1997	Cameroon	Africa	ERR998727	16356_8_72		Weill et al. Science 2017
CNRVC970019	1997	Cameroon	Africa	ERR998726	16356_8_71		Weill et al. Science 2017
CNRVC970014	1997	Cameroon	Africa	ERR998725	16356_8_70		Weill et al. Science 2017
CNRVC960293	1996	Cameroon	Africa	ERR998712	16356_8_57		Weill et al. Science 2017
CNRVC960246	1996	Cameroon	Africa	ERR998703	16356_8_48		Weill et al. Science 2017
CNRVC950011	1995	Cameroon	Africa	ERR998666	16356_8_11		Weill et al. Science 2017
CNRVC980022	1997	Cameroon	Africa	ERR976555	16244_8_9		Weill et al. Science 2017
CNRVC980021	1997	Cameroon	Africa	ERR976554	16244_8_8		Weill et al. Science 2017
CNRVC980398	1998	Cameroon	Africa	ERR976579	16244_8_33		Weill et al. Science 2017
CNRVC980397	1998	Cameroon	Africa	ERR976578	16244_8_32		Weill et al. Science 2017
CNRVC980396	1998	Cameroon	Africa	ERR976577	16244_8_31		Weill et al. Science 2017
CNRVC980395	1998	Cameroon	Africa	ERR976576	16244_8_30		Weill et al. Science 2017
CNRVC980328	1998	Cameroon	Africa	ERR976570	16244_8_24		Weill et al. Science 2017
CNRVC980323	1998	Cameroon	Africa	ERR976568	16244_8_22		Weill et al. Science 2017
CNRVC980061	1998	Cameroon	Africa	ERR976562	16244_8_16		Weill et al. Science 2017
CNRVC980060	1998	Cameroon	Africa	ERR976561	16244_8_15		Weill et al. Science 2017
CNRVC950143	1970	Cameroon	Africa	ERR976424	16244_6_67		Weill et al. Science 2017
CNRVC950142	1970	Cameroon	Africa	ERR976423	16244_6_66		Weill et al. Science 2017
CNRVC950141	1970	Cameroon	Africa	ERR976422	16244_6_65		Weill et al. Science 2017
CNRVC950140	1970	Cameroon	Africa	ERR976421	16244_6_64		Weill et al. Science 2017
CNRVC950138	1970	Cameroon	Africa	ERR976420	16244_6_63		Weill et al. Science 2017
CNRVC930042	1970	Cameroon	Africa	ERR976400	16244_6_43		Weill et al. Science 2017
CNRVC110272	2011	Central African Republic	Africa	ERR1878603	CNRVC110272		Weill et al. Science 2017
CNRVC110266	2011	Central African Republic	Africa	ERR1878602	CNRVC110266		Weill et al. Science 2017
CNRVC970143	1997	Central African Republic	Africa	ERR998748	16356_8_93		Weill et al. Science 2017

CNRVC970141	1997	Central African Republic	Africa	ERR998747	16356_8_92		Weill et al. Science 2017
CNRVC970127	1997	Central African Republic	Africa	ERR998745	16356_8_90		Weill et al. Science 2017
CNRVC970126	1997	Central African Republic	Africa	ERR998744	16356_8_89		Weill et al. Science 2017
CNRVC970125	1997	Central African Republic	Africa	ERR998743	16356_8_88		Weill et al. Science 2017
CNRVC970123	1997	Central African Republic	Africa	ERR998742	16356_8_87		Weill et al. Science 2017
CNRVC970112	1997	Central African Republic	Africa	ERR998740	16356_8_85		Weill et al. Science 2017
CNRVC970110	1997	Central African Republic	Africa	ERR998739	16356_8_84		Weill et al. Science 2017
CNRVC970109	1997	Central African Republic	Africa	ERR998738	16356_8_83		Weill et al. Science 2017
CNRVC970108	1997	Central African Republic	Africa	ERR998737	16356_8_82		Weill et al. Science 2017
CNRVC970079	1997	Central African Republic	Africa	ERR998736	16356_8_81		Weill et al. Science 2017
CNRVC970075	1997	Central African Republic	Africa	ERR998735	16356_8_80		Weill et al. Science 2017
CNRVC980374	1998	Chad	Africa	ERR1879638	CNRVC980374_TCCCGA_L002		Weill et al. Science 2017
CNRVC110241	2011	Chad	Africa	ERR1878600	CNRVC110241		Weill et al. Science 2017
CNRVC110230	2011	Chad	Africa	ERR1878599	CNRVC110230		Weill et al. Science 2017
CNRVC100246	2010	Chad	Africa	ERR1878591	CNRVC100246		Weill et al. Science 2017
CNRVC100240	2010	Chad	Africa	ERR1878590	CNRVC100240		Weill et al. Science 2017
CNRVC010203	2001	Chad	Africa	ERR1877947	CNRVC010203		Weill et al. Science 2017
CNRVC010123	2001	Chad	Africa	ERR1877946	CNRVC010123_ACTTGA_L001		Weill et al. Science 2017
CNRVC010120	2001	Chad	Africa	ERR1877945	CNRVC010120		Weill et al. Science 2017
CNRVC940184	1994	Chad	Africa	ERR998662	16356_8_7		Weill et al. Science 2017
CNRVC960273	1996	Chad	Africa	ERR998711	16356_8_56		Weill et al. Science 2017
CNRVC960265	1996	Chad	Africa	ERR998708	16356_8_53		Weill et al. Science 2017
CNRVC960243	1996	Chad	Africa	ERR998702	16356_8_47		Weill et al. Science 2017
CNRVC960234	1996	Chad	Africa	ERR998701	16356_8_46		Weill et al. Science 2017
CNRVC960228	1996	Chad	Africa	ERR998700	16356_8_45		Weill et al. Science 2017
CNRVC940163	1994	Chad	Africa	ERR998656	16356_8_1		Weill et al. Science 2017

CNRVC950366	1974	Chad	Africa	ERR976440	16244_6_83		Weill et al. Science 2017
CNRVC950364	1972	Chad	Africa	ERR976439	16244_6_82		Weill et al. Science 2017
CNRVC950360	1974	Chad	Africa	ERR976438	16244_6_81		Weill et al. Science 2017
CNRVC950358	1974	Chad	Africa	ERR976437	16244_6_80		Weill et al. Science 2017
CNRVC950087	1972	Chad	Africa	ERR976416	16244_6_59		Weill et al. Science 2017
CNRVC950040	1972	Chad	Africa	ERR976415	16244_6_58		Weill et al. Science 2017
CNRVC930046	1971	Chad	Africa	ERR976401	16244_6_44		Weill et al. Science 2017
CNRVC930061	1961	China	Asia	ERR1879565	CNRVC930061_TGACCA_L002		Weill et al. Science 2017
CNRVC030594	2003	Comoros	Africa	ERR1878104	CNRVC030594		Weill et al. Science 2017
CNRVC030593	2003	Comoros	Africa	ERR1878103	CNRVC030593		Weill et al. Science 2017
CNRVC020003	2002	Comoros	Africa	ERR1877953	CNRVC020003		Weill et al. Science 2017
CNRVC010045	2001	Comoros	Africa	ERR1877648	CNRVC010045		Weill et al. Science 2017
CNRVC010008	2001	Comoros	Africa	ERR1877644	CNRVC010008_GCCAAT_L001		Weill et al. Science 2017
CNRVC000085	2000	Comoros	Africa	ERR1877640	CNRVC000085		Weill et al. Science 2017
CNRVC980029	1998	Comoros	Africa	ERR976558	16244_8_12		Weill et al. Science 2017
CNRVC980026	1998	Comoros	Africa	ERR976557	16244_8_11		Weill et al. Science 2017
CNRVC980023	1998	Comoros	Africa	ERR976556	16244_8_10		Weill et al. Science 2017
CNRVC950543	1975	Comoros	Africa	ERR976453	16244_7_2		Weill et al. Science 2017
CNRVC950540	1975	Comoros	Africa	ERR976452	16244_7_1		Weill et al. Science 2017
CNRVC950535	1975	Comoros	Africa	ERR976451	16244_6_94		Weill et al. Science 2017
CNRVC150245	1988	Cote d'Ivoire	Africa	ERR1879542	CNRVC150245_GCGCTA_L001		Weill et al. Science 2017
CNRVC150231	1988	Cote d'Ivoire	Africa	ERR1879535	CNRVC150231_CATGGC_L001		Weill et al. Science 2017
CNRVC150227	1988	Cote d'Ivoire	Africa	ERR1879435	CNRVC150227_CACCGG_L001		Weill et al. Science 2017
CNRVC150210	1988	Cote d'Ivoire	Africa	ERR1879384	CNRVC150210_AGTCAA_L001		Weill et al. Science 2017
CNRVC080497	2006	Cote d'Ivoire	Africa	ERR1878572	CNRVC080497		Weill et al. Science 2017
CNRVC080496	2006	Cote d'Ivoire	Africa	ERR1878571	CNRVC080496		Weill et al. Science 2017
CNRVC030567	2003	Cote d'Ivoire	Africa	ERR1878102	CNRVC030567		Weill et al. Science 2017
CNRVC030485	2003	Cote d'Ivoire	Africa	ERR1878100	CNRVC030485		Weill et al. Science 2017

CNRVC020404	2002	Cote d'Ivoire	Africa	ERR1878089	CNRVC020404		Weill et al. Science 2017
CNRVC010042	2001	Cote d'Ivoire	Africa	ERR1877647	CNRVC010042		Weill et al. Science 2017
CNRVC010038	2001	Cote d'Ivoire	Africa	ERR1877646	CNRVC010038_CAGATC_L001		Weill et al. Science 2017
CNRVC950758	1995	Cote d'Ivoire	Africa	ERR998685	16356_8_30		Weill et al. Science 2017
CNRVC950756	1995	Cote d'Ivoire	Africa	ERR998684	16356_8_29		Weill et al. Science 2017
CNRVC950755	1995	Cote d'Ivoire	Africa	ERR998683	16356_8_28		Weill et al. Science 2017
CNRVC950753	1995	Cote d'Ivoire	Africa	ERR998682	16356_8_27		Weill et al. Science 2017
CNRVC980421	1998	Cote d'Ivoire	Africa	ERR976582	16244_8_36		Weill et al. Science 2017
CNRVC980420	1998	Cote d'Ivoire	Africa	ERR976581	16244_8_35		Weill et al. Science 2017
CNRVC940035	1993	Cote d'Ivoire	Africa	ERR976536	16244_7_85		Weill et al. Science 2017
CNRVC940034	1994	Cote d'Ivoire	Africa	ERR976535	16244_7_84		Weill et al. Science 2017
CNRVC940030	1993	Cote d'Ivoire	Africa	ERR976534	16244_7_83		Weill et al. Science 2017
CNRVC960552	1970	Cote d'Ivoire	Africa	ERR976458	16244_7_7		Weill et al. Science 2017
CNRVC910375	1991	Cote d'Ivoire	Africa	ERR976519	16244_7_68		Weill et al. Science 2017
CNRVC140141	1988	Cote d'Ivoire	Africa	ERR976512	16244_7_61		Weill et al. Science 2017
CNRVC140140	1988	Cote d'Ivoire	Africa	ERR976511	16244_7_60		Weill et al. Science 2017
CNRVC950203	1970	Cote d'Ivoire	Africa	ERR976428	16244_6_71		Weill et al. Science 2017
CNRVC950191	1973	Cote d'Ivoire	Africa	ERR976427	16244_6_70		Weill et al. Science 2017
CNRVC950189	1973	Cote d'Ivoire	Africa	ERR976426	16244_6_69		Weill et al. Science 2017
CNRVC950182	1973	Cote d'Ivoire	Africa	ERR976425	16244_6_68		Weill et al. Science 2017
CNRVC930171	1984	Cote d'Ivoire	Africa	ERR976411	16244_6_54		Weill et al. Science 2017
CNRVC140013	2014	Democratic Republic of the Congo	Africa	ERR1878608	CNRVC140013		Weill et al. Science 2017
CNRVC140012	2014	Democratic Republic of the Congo	Africa	ERR1878607	CNRVC140012		Weill et al. Science 2017
CNRVC080370	2008	Democratic Republic of the Congo	Africa	ERR1878568	CNRVC080370		Weill et al. Science 2017
CNRVC080133	2008	Democratic Republic of the Congo	Africa	ERR1878567	CNRVC080133		Weill et al. Science 2017
CNRVC070530	2007	Democratic Republic of the Congo	Africa	ERR1878564	CNRVC070530		Weill et al. Science 2017
CNRVC070045	2007	Democratic Republic of the Congo	Africa	ERR1878552	CNRVC070045		Weill et al. Science 2017

CNRVC060153	2006	Democratic Republic of the Congo	Africa	ERR1878155	CNRVC060153		Weill et al. Science 2017
CNRVC060003	2006	Democratic Republic of the Congo	Africa	ERR1878148	CNRVC060003		Weill et al. Science 2017
CNRVC050284	2005	Democratic Republic of the Congo	Africa	ERR1878136	CNRVC050284		Weill et al. Science 2017
CNRVC050077	2005	Democratic Republic of the Congo	Africa	ERR1878132	CNRVC050077		Weill et al. Science 2017
CNRVC040299	2004	Democratic Republic of the Congo	Africa	ERR1878116	CNRVC040299		Weill et al. Science 2017
CNRVC030519	2002	Democratic Republic of the Congo	Africa	ERR1878101	CNRVC030519		Weill et al. Science 2017
CNRVC030469	2003	Democratic Republic of the Congo	Africa	ERR1878097	CNRVC030469		Weill et al. Science 2017
CNRVC030293	2003	Democratic Republic of the Congo	Africa	ERR1878093	CNRVC030293		Weill et al. Science 2017
CNRVC030032	2003	Democratic Republic of the Congo	Africa	ERR1878090	CNRVC030032		Weill et al. Science 2017
CNRVC020284	2002	Democratic Republic of the Congo	Africa	ERR1877955	CNRVC020284		Weill et al. Science 2017
CNRVC010254	2001	Democratic Republic of the Congo	Africa	ERR1877952	CNRVC010254		Weill et al. Science 2017
CNRVC010243	2001	Democratic Republic of the Congo	Africa	ERR1877951	CNRVC010243_GATCAG_L001		Weill et al. Science 2017
CNRVC970135	1997	Democratic Republic of the Congo	Africa	ERR998746	16356_8_91		Weill et al. Science 2017
CNRVC970113	1997	Democratic Republic of the Congo	Africa	ERR998741	16356_8_86		Weill et al. Science 2017
CNRVC970064	1997	Democratic Republic of the Congo	Africa	ERR998734	16356_8_79		Weill et al. Science 2017
CNRVC970058	1997	Democratic Republic of the Congo	Africa	ERR998733	16356_8_78		Weill et al. Science 2017
CNRVC970028	1997	Democratic Republic of the Congo	Africa	ERR998730	16356_8_75		Weill et al. Science 2017
CNRVC970027	1997	Democratic Republic of the Congo	Africa	ERR998729	16356_8_74		Weill et al. Science 2017
CNRVC970007	1997	Democratic Republic of the Congo	Africa	ERR998724	16356_8_69		Weill et al. Science 2017
CNRVC970004	1997	Democratic Republic of the Congo	Africa	ERR998723	16356_8_68		Weill et al. Science 2017
CNRVC960308	1996	Democratic Republic of the Congo	Africa	ERR998714	16356_8_59		Weill et al. Science 2017
CNRVC960218	1996	Democratic Republic of the Congo	Africa	ERR998698	16356_8_43		Weill et al. Science 2017
CNRVC960127	1996	Democratic Republic of the Congo	Africa	ERR998697	16356_8_42		Weill et al. Science 2017
CNRVC960124	1996	Democratic Republic of the Congo	Africa	ERR998696	16356_8_41		Weill et al. Science 2017

CNRVC940173	1994	Democratic Republic of the Congo	Africa	ERR998659	16356_8_4		Weill et al. Science 2017
CNRVC960118	1996	Democratic Republic of the Congo	Africa	ERR998694	16356_8_39		Weill et al. Science 2017
CNRVC950746	1995	Democratic Republic of the Congo	Africa	ERR998681	16356_8_26		Weill et al. Science 2017
CNRVC950695	1995	Democratic Republic of the Congo	Africa	ERR998669	16356_8_14		Weill et al. Science 2017
CNRVC950694	1995	Democratic Republic of the Congo	Africa	ERR998668	16356_8_13		Weill et al. Science 2017
CNRVC950693	1995	Democratic Republic of the Congo	Africa	ERR998667	16356_8_12		Weill et al. Science 2017
CNRVC970176	1997	Democratic Republic of the Congo	Africa	ERR976550	16244_8_4		Weill et al. Science 2017
CNRVC970174	1997	Democratic Republic of the Congo	Africa	ERR976548	16244_8_2		Weill et al. Science 2017
CNRVC940143	1994	Democratic Republic of the Congo	Africa	ERR976544	16244_7_93		Weill et al. Science 2017
CNRVC940131	1994	Democratic Republic of the Congo	Africa	ERR976540	16244_7_89		Weill et al. Science 2017
CNRVC930185	1993	Democratic Republic of the Congo	Africa	ERR976526	16244_7_75		Weill et al. Science 2017
CNRVC930153	1993	Democratic Republic of the Congo	Africa	ERR976525	16244_7_74		Weill et al. Science 2017
CNRVC920169	1992	Democratic Republic of the Congo	Africa	ERR976524	16244_7_73		Weill et al. Science 2017
CNRVC910429	1991	Democratic Republic of the Congo	Africa	ERR976521	16244_7_70		Weill et al. Science 2017
CNRVC980050	1984_1986	Democratic Republic of the Congo	Africa	ERR976487	16244_7_36		Weill et al. Science 2017
CNRVC980047	1988	Democratic Republic of the Congo	Africa	ERR976484	16244_7_33		Weill et al. Science 2017
CNRVC930170	1984	Democratic Republic of the Congo	Africa	ERR976410	16244_6_53		Weill et al. Science 2017
CNRVC930163	1988	Democratic Republic of the Congo	Africa	ERR976404	16244_6_47		Weill et al. Science 2017
L384	2013	Democratic Republic of the Congo	Africa	ERR572837	12971_7_75		Weill et al. Science 2017
L377	2013	Democratic Republic of the Congo	Africa	ERR572836	12971_7_74		Weill et al. Science 2017
L354	2011	Democratic Republic of the Congo	Africa	ERR572821	12971_7_59		Weill et al. Science 2017
L342	2001	Democratic Republic of the Congo	Africa	ERR572810	12971_7_48		Weill et al. Science 2017
L339	2012	Democratic Republic of the Congo	Africa	ERR572807	12971_7_45		Weill et al. Science 2017
L310	2011	Democratic Republic of the Congo	Africa	ERR572781	12971_7_19		Weill et al. Science 2017

L300	2011	Democratic Republic of the Congo	Africa	ERR572772	12971_7_10		Weill et al. Science 2017
L284	2008	Democratic Republic of the Congo	Africa	ERR572757	12971_6_75		Weill et al. Science 2017
L283	2008	Democratic Republic of the Congo	Africa	ERR572756	12971_6_74		Weill et al. Science 2017
L372	2013	Democratic Republic of the Congo	Africa	ERR572563	12971_4_50		Weill et al. Science 2017
L363	2013	Democratic Republic of the Congo	Africa	ERR572559	12971_4_46		Weill et al. Science 2017
L184	2012	Democratic Republic of the Congo	Africa	ERR572548	12971_4_35		Weill et al. Science 2017
L78	2009	Democratic Republic of the Congo	Africa	ERR572538	12971_4_25		Weill et al. Science 2017
L1	2009	Democratic Republic of the Congo	Africa	ERR572514	12971_4_1		Weill et al. Science 2017
L193	2012	Democratic Republic of the Congo	Africa	ERR386712	10868_2_93		Weill et al. Science 2017
L204	2012	Democratic Republic of the Congo	Africa	ERR386711	10868_2_92		Weill et al. Science 2017
726	2009	Democratic Republic of the Congo	Africa	ERR386698	10868_2_79		Weill et al. Science 2017
L198	2012	Democratic Republic of the Congo	Africa	ERR386695	10868_2_76		Weill et al. Science 2017
3	2009	Democratic Republic of the Congo	Africa	ERR386690	10868_2_71		Weill et al. Science 2017
L174	2012	Democratic Republic of the Congo	Africa	ERR386688	10868_2_69		Weill et al. Science 2017
2	2009	Democratic Republic of the Congo	Africa	ERR386683	10868_2_64		Weill et al. Science 2017
217	2009	Democratic Republic of the Congo	Africa	ERR386672	10868_2_53		Weill et al. Science 2017
L201	2012	Democratic Republic of the Congo	Africa	ERR386647	10868_2_28		Weill et al. Science 2017
622	2009	Democratic Republic of the Congo	Africa	ERR386629	10868_2_10		Weill et al. Science 2017
CNRVC930301	1993	Djibouti	Africa	ERR1879572	CNRVC930301_GATCAG_L001		Weill et al. Science 2017
CNRVC070020	2007	Djibouti	Africa	ERR1878551	CNRVC070020		Weill et al. Science 2017
CNRVC010048	2000	Djibouti	Africa	ERR1877938	CNRVC010048		Weill et al. Science 2017
CNRVC010046	2000	Djibouti	Africa	ERR1877649	CNRVC010046_CTTGTA_L001		Weill et al. Science 2017
F1393	1993	Djibouti	Africa	ERR1879652	CDCF1393		Weill et al. Science 2017
CNRVC010018	1994	Djibouti	Africa	ERR976599	16244_8_53		Weill et al. Science 2017
CNRVC010017	1994	Djibouti	Africa	ERR976598	16244_8_52		Weill et al. Science 2017

CNRVC010015	1994	Djibouti	Africa	ERR976597	16244_8_51		Weill et al. Science 2017
CNRVC970177	1997	Djibouti	Africa	ERR976551	16244_8_5		Weill et al. Science 2017
CNRVC970175	1997	Djibouti	Africa	ERR976549	16244_8_3		Weill et al. Science 2017
CNRVC980158	1997	Djibouti	Africa	ERR976565	16244_8_19		Weill et al. Science 2017
CNRVC980044	1985	Djibouti	Africa	ERR976482	16244_7_31		Weill et al. Science 2017
CNRVC980039	1985	Djibouti	Africa	ERR976478	16244_7_27		Weill et al. Science 2017
CNRVC930027	1966	Egypt	Africa	ERR976397	16244_6_40		Weill et al. Science 2017
CNRVC050073	2005	Equatorial Guinea	Africa	ERR1878131	CNRVC050073		Weill et al. Science 2017
CNRVC050060	2005	Equatorial Guinea	Africa	ERR1878130	CNRVC050060		Weill et al. Science 2017
CNRVC150254	1998	Ethiopia	Africa	ERR1879545	CNRVC150254		Weill et al. Science 2017
CNRVC150218	1985	Ethiopia	Africa	ERR1879392	CNRVC150218_GTTTCG_L001		Weill et al. Science 2017
CNRVC150213	1998	Ethiopia	Africa	ERR1879387	CNRVC150213_CCGTCC_L001		Weill et al. Science 2017
CNRVC960596	1970	Ethiopia	Africa	ERR976463	16244_7_12		Weill et al. Science 2017
CNRVC930038	1970	Ethiopia	Africa	ERR976399	16244_6_42		Weill et al. Science 2017
CNRVC930079	1970	France	Europe	ERR1879569	CNRVC930079_TCGAAG_L002		Weill et al. Science 2017
CNRVC970170	1997	Gabon	Africa	ERR976547	16244_8_1		Weill et al. Science 2017
262_14	2014	Ghana	Africa	ERR1024526	16853_4_64		Weill et al. Science 2017
468_14	2014	Ghana	Africa	ERR1024524	16853_4_62		Weill et al. Science 2017
19_14	2014	Ghana	Africa	ERR1024521	16853_4_59		Weill et al. Science 2017
712_11	2011	Ghana	Africa	ERR1024518	16853_4_56		Weill et al. Science 2017
CNRVC960627	1970	Ghana	Africa	ERR976465	16244_7_14		Weill et al. Science 2017
CNRVC960623	1970	Ghana	Africa	ERR976464	16244_7_13		Weill et al. Science 2017
CNRVC950224	1971	Ghana	Africa	ERR976430	16244_6_73		Weill et al. Science 2017
CNRVC950223	1971	Ghana	Africa	ERR976429	16244_6_72		Weill et al. Science 2017
CNRVC150217	1982	Ghana/Nigeria	Africa	ERR1879391	CNRVC150217_GTGGCC_L001		Weill et al. Science 2017
CNRVC900108	1990	Guinea	Africa	ERR1879546	CNRVC900108_ACAGTG_L001		Weill et al. Science 2017
CNRVC040206	2004	Guinea	Africa	ERR1878112	CNRVC040206		Weill et al. Science 2017
CNRVC950724	1995	Guinea	Africa	ERR998677	16356_8_22		Weill et al. Science 2017

CNRVC950723	1995	Guinea	Africa	ERR998676	16356_8_21		Weill et al. Science 2017
CNRVC950699	1995	Guinea	Africa	ERR998670	16356_8_15		Weill et al. Science 2017
CNRVC980367	1998	Guinea	Africa	ERR976574	16244_8_28		Weill et al. Science 2017
CNRVC940141	1994	Guinea	Africa	ERR976542	16244_7_91		Weill et al. Science 2017
CNRVC940128	1994	Guinea	Africa	ERR976539	16244_7_88		Weill et al. Science 2017
CNRVC940109	1994	Guinea	Africa	ERR976538	16244_7_87		Weill et al. Science 2017
CNRVC940103	1994	Guinea	Africa	ERR976537	16244_7_86		Weill et al. Science 2017
CNRVC960635	1970	Guinea	Africa	ERR976467	16244_7_16		Weill et al. Science 2017
CNRVC960629	1970	Guinea	Africa	ERR976466	16244_7_15		Weill et al. Science 2017
CNRVC930127	1970	Guinea	Africa	ERR976403	16244_6_46		Weill et al. Science 2017
L237	2012	Guinea	Africa	ERR386704	10868_2_85		Weill et al. Science 2017
L211	2012	Guinea	Africa	ERR386666	10868_2_47		Weill et al. Science 2017
L233	2012	Guinea	Africa	ERR386658	10868_2_39		Weill et al. Science 2017
CNRVC120195	2012	Guinea Bissau	Africa	ERR1878605	CNRVC120195		Weill et al. Science 2017
CNRVC120194	2012	Guinea Bissau	Africa	ERR1878604	CNRVC120194		Weill et al. Science 2017
K6979	2008	Guinea Bissau	Africa	ERR1880773	CDCK6979		Weill et al. Science 2017
K6975	2008	Guinea Bissau	Africa	ERR1880772	CDCK6975		Weill et al. Science 2017
F5144	1997	Guinea Bissau	Africa	ERR1880762	CDCF5144		Weill et al. Science 2017
CNRVC140133	1994-1995	Guinea Bissau	Africa	ERR976504	16244_7_53		Weill et al. Science 2017
CNRVC100278	2010	Haiti	North America	ERR1878592	CNRVC100278		Weill et al. Science 2017
THSTI_VC63	1992	India	Asia	ERR1880844	THSTI_VC63		Weill et al. Science 2017
THSTI_VC4	1992	India	Asia	ERR1880843	THSTI_VC4		Weill et al. Science 2017
THSTI_V8	1989	India	Asia	ERR1880842	THSTI_V8		Weill et al. Science 2017
THSTI_V157	1991	India	Asia	ERR1880841	THSTI_V157		Weill et al. Science 2017
THSTI_V156	1991	India	Asia	ERR1880840	THSTI_V156		Weill et al. Science 2017
THSTI_V149	1990	India	Asia	ERR1880839	THSTI_V149		Weill et al. Science 2017
THSTI_V12	1989	India	Asia	ERR1880838	THSTI_V12		Weill et al. Science 2017
THSTI_V108	1990	India	Asia	ERR1880837	THSTI_V108		Weill et al. Science 2017

THSTI_RC12	2001	India	Asia	ERR1880836	THSTI_RC12		Weill et al. Science 2017
THSTI_NLC8	1999	India	Asia	ERR1880835	THSTI_NLC8		Weill et al. Science 2017
THSTI_L9496	2006	India	Asia	ERR1880834	THSTI_L9496		Weill et al. Science 2017
THSTI_L19089	2006	India	Asia	ERR1880833	THSTI_L19089		Weill et al. Science 2017
THSTI_K9398	2005	India	Asia	ERR1880832	THSTI_K9398		Weill et al. Science 2017
THSTI_K12759	2005	India	Asia	ERR1880831	THSTI_K12759		Weill et al. Science 2017
THSTI_J4770	2004	India	Asia	ERR1880830	THSTI_J4770		Weill et al. Science 2017
THSTI_J16173	2004	India	Asia	ERR1880829	THSTI_J16173		Weill et al. Science 2017
THSTI_IDH02959	2010	India	Asia	ERR1880828	THSTI_IDH02959		Weill et al. Science 2017
THSTI_IDH02834	2010	India	Asia	ERR1880827	THSTI_IDH02834		Weill et al. Science 2017
THSTI_IDH02367	2009	India	Asia	ERR1880826	THSTI_IDH02367		Weill et al. Science 2017
THSTI_IDH01405	2009	India	Asia	ERR1880825	THSTI_IDH01405		Weill et al. Science 2017
THSTI_IDH01272	2008	India	Asia	ERR1880824	THSTI_IDH01272		Weill et al. Science 2017
THSTI_IDH00563	2008	India	Asia	ERR1880823	THSTI_IDH00563		Weill et al. Science 2017
THSTI_IDH00136	2007	India	Asia	ERR1880822	THSTI_IDH00136		Weill et al. Science 2017
THSTI_IDH0002	2007	India	Asia	ERR1880821	THSTI_IDH0002		Weill et al. Science 2017
THSTI_I17260	2003	India	Asia	ERR1880820	THSTI_I17260		Weill et al. Science 2017
THSTI_I16615	2003	India	Asia	ERR1880819	THSTI_I16615		Weill et al. Science 2017
THSTI_H12381	2002	India	Asia	ERR1880818	THSTI_H12381		Weill et al. Science 2017
THSTI_H11801	2002	India	Asia	ERR1880817	THSTI_H11801		Weill et al. Science 2017
THSTI_GP160bis	1980	India	Asia	ERR1880816	THSTI_GP160bis		Weill et al. Science 2017
THSTI_G27875	2001	India	Asia	ERR1880814	THSTI_G27875		Weill et al. Science 2017
THSTI_E12067	1999	India	Asia	ERR1880813	THSTI_E12067		Weill et al. Science 2017
THSTI_D31153	1998	India	Asia	ERR1880812	THSTI_D31153		Weill et al. Science 2017
THSTI_D16133	1998	India	Asia	ERR1880811	THSTI_D16133		Weill et al. Science 2017
THSTI_CRC198	2000	India	Asia	ERR1880810	THSTI_CRC198		Weill et al. Science 2017

THSTI_CRC155	2000	India	Asia	ERR1880809	THSTI_CRC155		Weill et al. Science 2017
THSTI_CO908	1995	India	Asia	ERR1880808	THSTI_CO908		Weill et al. Science 2017
THSTI_CO783	1994	India	Asia	ERR1880807	THSTI_CO783		Weill et al. Science 2017
THSTI_CO553	1994	India	Asia	ERR1880806	THSTI_CO553		Weill et al. Science 2017
THSTI_CO368	1993	India	Asia	ERR1880805	THSTI_CO368		Weill et al. Science 2017
THSTI_CO327	1993	India	Asia	ERR1880804	THSTI_CO327		Weill et al. Science 2017
THSTI_CO1089	1995	India	Asia	ERR1880803	THSTI_CO1089		Weill et al. Science 2017
THSTI_C18932	1997	India	Asia	ERR1880802	THSTI_C18932		Weill et al. Science 2017
THSTI_AM305	1997	India	Asia	ERR1880801	THSTI_AM305		Weill et al. Science 2017
THSTI_AM232	1996	India	Asia	ERR1880800	THSTI_AM232		Weill et al. Science 2017
THSTI_AM120	1996	India	Asia	ERR1880799	THSTI_AM120		Weill et al. Science 2017
CNRVC970077	1997	India	Asia	ERR1879637	CNRVC970077_CCAACA_L002		Weill et al. Science 2017
CNRVC960215	1996	India	Asia	ERR1879597	CNRVC960215_ATGAGC_L002		Weill et al. Science 2017
CNRVC930066	1964	India	Asia	ERR1879566	CNRVC930066_ACAGTG_L002		Weill et al. Science 2017
CNRVC930036	1962	India	Asia	ERR1879562	CNRVC930036_TCGGCA_L001		Weill et al. Science 2017
CNRVC930003	1992	India	Asia	ERR1879553	CNRVC930003_TCATTC_L001		Weill et al. Science 2017
CNRVC080397	2008	India	Asia	ERR1878570	CNRVC080397		Weill et al. Science 2017
CNRVC060089	2006	India	Asia	ERR1878151	CNRVC060089		Weill et al. Science 2017
CNRVC060333	2006	India/Nepal	Asia	ERR1878548	CNRVC060333		Weill et al. Science 2017
CNRVC010100	2001	Indonesia	Asia	ERR1877943	CNRVC010100		Weill et al. Science 2017
CNRVC960842	1965	Iran	Asia	ERR1879605	CNRVC960842_AGTCAA_L001		Weill et al. Science 2017
CNRVC960800	1965	Iran	Asia	ERR1879604	CNRVC960800_GGCTAC_L001		Weill et al. Science 2017
CNRVC960799	1965	Iran	Asia	ERR1879603	CNRVC960799_GTGAAA_L001		Weill et al. Science 2017
CNRVC930076	1965	Iran	Asia	ERR1879568	CNRVC930076_CAGATC_L002		Weill et al. Science 2017
CNRVC960872	1965	Iran	Asia	ERR1879607	960872_S21		Weill et al. Science 2017
CNRVC960871	1965	Iran	Asia	ERR1879606	960871_S20		Weill et al. Science 2017
CNRVC960768	1966	Iraq	Asia	ERR1879601	CNRVC960768_TAGCTT_L001		Weill et al. Science 2017
CNRVC950800	1995	Iraq	Asia	ERR1879594	CNRVC950800_CTATAC_L001		Weill et al. Science 2017

CNRVC950798	1995	Iraq	Asia	ERR1879593	CNRVC950798_CTAGCT_L001		Weill et al. Science 2017
CNRVC950792	1995	Iraq	Asia	ERR1879588	CNRVC950792_GAGTGG_L002		Weill et al. Science 2017
CNRVC030438	2003	Iraq	Asia	ERR1878096	CNRVC030438_CGGAAT_L001		Weill et al. Science 2017
CNRVC960778	1966	Iraq	Asia	ERR1879602	960778_S19		Weill et al. Science 2017
CNRVC960911	1970	Israel	Asia	ERR1879626	CNRVC960911_AGTTCC_L001		Weill et al. Science 2017
CNRVC960899	1970	Israel	Asia	ERR1879625	CNRVC960899_CAACTA_L002		Weill et al. Science 2017
CNRVC960891	1970	Israel	Asia	ERR1879624	960891_S16		Weill et al. Science 2017
CNRVC930033	1970	Israel	Asia	ERR1879561	930033_S15		Weill et al. Science 2017
12_1970	1970	Israel	Asia	ERR042749	6353_7_21		Weill et al. Science 2017
4_1970	1970	Israel	Asia	ERR042748	6353_7_20		Weill et al. Science 2017
1_1970	1970	Israel	Asia	ERR042745	6353_7_17		Weill et al. Science 2017
CNRVC950250	1974	Italy	Europe	ERR1879585	CNRVC950250_GTTTCG_L002		Weill et al. Science 2017
CNRVC150244	1973	Italy	Europe	ERR1879541	CNRVC150244_CTCAGA_L001		Weill et al. Science 2017
CNRVC150230	1994	Italy	Europe	ERR1879438	CNRVC150230_CAGGCG_L001		Weill et al. Science 2017
CNRVC960918	1970	Jordan	Asia	ERR1879627	960918_S18		Weill et al. Science 2017
CNRVC150252	1998	Kenya	Africa	ERR1879544	CNRVC150252		Weill et al. Science 2017
CNRVC150251	1998	Kenya	Africa	ERR1879543	CNRVC150251		Weill et al. Science 2017
CNRVC150243	1998	Kenya	Africa	ERR1879540	CNRVC150243_CTATAC_L001		Weill et al. Science 2017
CNRVC150240	1998	Kenya	Africa	ERR1879539	CNRVC150240_CTAGCT_L001		Weill et al. Science 2017
CNRVC150211	1998	Kenya	Africa	ERR1879385	CNRVC150211_AGTTCC_L001		Weill et al. Science 2017
CNRVC060120	2006	Kenya	Africa	ERR1878154	CNRVC060120		Weill et al. Science 2017
CNRVC060119	2006	Kenya	Africa	ERR1878153	CNRVC060119		Weill et al. Science 2017
CNRVC910416	1991	Kurdistan	Asia	ERR1879550	CNRVC910416_TAATCG_L001		Weill et al. Science 2017
CNRVC990209	1999	Laos	Asia	ERR1879645	CNRVC990209_CTAGCT_L002		Weill et al. Science 2017
CNRVC960922	1970	Lebanon	Asia	ERR1879628	CNRVC960922_CACCGG_L002		Weill et al. Science 2017
CNRVC150223	1993	Lebanon	Asia	ERR1879432	CNRVC150223_ATGAGC_L001		Weill et al. Science 2017
CNRVC150215	1993	Lebanon	Asia	ERR1879389	CNRVC150215_GTCCGC_L001		Weill et al. Science 2017
CNRVC930044	1970	Lebanon	Asia	ERR1879563	930044_S17		Weill et al. Science 2017

CNRVC030477	2003	Liberia	Africa	ERR1878099	CNRVC030477		Weill et al. Science 2017
CNRVC030475	2003	Liberia	Africa	ERR1878098	CNRVC030475		Weill et al. Science 2017
CNRVC020393	2002	Liberia	Africa	ERR1878088	CNRVC020393		Weill et al. Science 2017
CNRVC020062	2002	Liberia	Africa	ERR1877954	CNRVC020062		Weill et al. Science 2017
CNRVC960223	1996	Liberia	Africa	ERR998699	16356_8_44		Weill et al. Science 2017
CNRVC940165	1994	Liberia	Africa	ERR998658	16356_8_3		Weill et al. Science 2017
CNRVC950730	1995	Liberia	Africa	ERR998679	16356_8_24		Weill et al. Science 2017
CNRVC950728	1995	Liberia	Africa	ERR998678	16356_8_23		Weill et al. Science 2017
CNRVC940164	1994	Liberia	Africa	ERR998657	16356_8_2		Weill et al. Science 2017
CNRVC940162	1994	Liberia	Africa	ERR976546	16244_7_95		Weill et al. Science 2017
CNRVC940147	1994	Liberia	Africa	ERR976545	16244_7_94		Weill et al. Science 2017
CNRVC940142	1994	Liberia	Africa	ERR976543	16244_7_92		Weill et al. Science 2017
CNRVC960946	1970	Liberia	Africa	ERR976469	16244_7_18		Weill et al. Science 2017
CNRVC960928	1970	Liberia	Africa	ERR976468	16244_7_17		Weill et al. Science 2017
CNRVC960951	1970	Libya	Africa	ERR976471	16244_7_20		Weill et al. Science 2017
CNRVC960949	1970	Libya	Africa	ERR976470	16244_7_19		Weill et al. Science 2017
CNRVC010055	2001	Madagascar	Africa	ERR1877940	CNRVC010055_TTAGGC_L001		Weill et al. Science 2017
CNRVC010051	2000	Madagascar	Africa	ERR1877939	CNRVC010051_ATCACG_L001		Weill et al. Science 2017
CNRVC000065	2000	Madagascar	Africa	ERR976596	16244_8_50		Weill et al. Science 2017
CNRVC000064	2000	Madagascar	Africa	ERR976595	16244_8_49		Weill et al. Science 2017
CNRVC000062	2000	Madagascar	Africa	ERR976594	16244_8_48		Weill et al. Science 2017
CNRVC000060	2000	Madagascar	Africa	ERR976593	16244_8_47		Weill et al. Science 2017
CNRVC000059	2000	Madagascar	Africa	ERR976592	16244_8_46		Weill et al. Science 2017
CNRVC000058	2000	Madagascar	Africa	ERR976591	16244_8_45		Weill et al. Science 2017
CNRVC000056	1999	Madagascar	Africa	ERR976590	16244_8_44		Weill et al. Science 2017
CNRVC000055	1999	Madagascar	Africa	ERR976589	16244_8_43		Weill et al. Science 2017
CNRVC990078	1999	Madagascar	Africa	ERR976588	16244_8_42		Weill et al. Science 2017
F5097	1997	Malawi	Africa	ERR1880761	CDCF5097		Weill et al. Science 2017

F5096	1997	Malawi	Africa	ERR1879658	CDCF5096		Weill et al. Science 2017
CNRVC920049	1992	Malawi	Africa	ERR976523	16244_7_72		Weill et al. Science 2017
CNRVC920170	1989	Malawi	Africa	ERR976394	16244_6_37		Weill et al. Science 2017
CNRVC900123	1990	Malawi	Africa	ERR976393	16244_6_36		Weill et al. Science 2017
CNRVC900117	1990	Malawi	Africa	ERR976392	16244_6_35		Weill et al. Science 2017
CNRVC950100	1973	Malaysia	Asia	ERR1879580	CNRVC950100_CCGTCC_L002		Weill et al. Science 2017
CNRVC060010	2005	Mali	Africa	ERR1878150	CNRVC060010		Weill et al. Science 2017
CNRVC060009	2006	Mali	Africa	ERR1878149	CNRVC060009		Weill et al. Science 2017
K0108	2003	Mali	Africa	ERR1880771	CDCK0108		Weill et al. Science 2017
K0107	2003	Mali	Africa	ERR1880770	CDCK0107		Weill et al. Science 2017
CNRVC960250	1996	Mali	Africa	ERR998704	16356_8_49		Weill et al. Science 2017
CNRVC950708	1995	Mali	Africa	ERR998674	16356_8_19		Weill et al. Science 2017
CNRVC950707	1995	Mali	Africa	ERR998673	16356_8_18		Weill et al. Science 2017
CNRVC980043	1985	Mali	Africa	ERR976481	16244_7_30		Weill et al. Science 2017
CNRVC980041	1984	Mali	Africa	ERR976480	16244_7_29		Weill et al. Science 2017
CNRVC960952	1970	Mali	Africa	ERR976472	16244_7_21		Weill et al. Science 2017
CNRVC930075	1970	Mali	Africa	ERR976402	16244_6_45		Weill et al. Science 2017
CNRVC070144	2005	Mauritania	Africa	ERR1878559	CNRVC070144		Weill et al. Science 2017
CNRVC070142	2006	Mauritania	Africa	ERR1878558	CNRVC070142		Weill et al. Science 2017
CNRVC070136	2006	Mauritania	Africa	ERR1878557	CNRVC070136		Weill et al. Science 2017
CNRVC070124	2005	Mauritania	Africa	ERR1878556	CNRVC070124		Weill et al. Science 2017
CNRVC960263	1996	Mauritania	Africa	ERR1879599	960263_S14		Weill et al. Science 2017
CNRVC960260	1996	Mauritania	Africa	ERR1879598	960260_S13		Weill et al. Science 2017
CNRVC940180	1994	Morocco	Africa	ERR998661	16356_8_6		Weill et al. Science 2017
CNRVC940179	1994	Morocco	Africa	ERR998660	16356_8_5		Weill et al. Science 2017
CNRVC940137	1994	Morocco	Africa	ERR976541	16244_7_90		Weill et al. Science 2017
CNRVC930255	1993	Morocco	Africa	ERR976527	16244_7_76		Weill et al. Science 2017
CNRVC910386	1991	Morocco	Africa	ERR976520	16244_7_69		Weill et al. Science 2017

CNRVC910349	1991	Morocco	Africa	ERR976518	16244_7_67		Weill et al. Science 2017
CNRVC910347	1991	Morocco	Africa	ERR976517	16244_7_66		Weill et al. Science 2017
CNRVC950498	1972	Morocco	Africa	ERR976450	16244_6_93		Weill et al. Science 2017
CNRVC950487	1972	Morocco	Africa	ERR976449	16244_6_92		Weill et al. Science 2017
CNRVC950476	1972	Morocco	Africa	ERR976448	16244_6_91		Weill et al. Science 2017
CNRVC950468	1972	Morocco	Africa	ERR976447	16244_6_90		Weill et al. Science 2017
CNRVC950466	1972	Morocco	Africa	ERR976446	16244_6_89		Weill et al. Science 2017
CNRVC950431	1974	Morocco	Africa	ERR976445	16244_6_88		Weill et al. Science 2017
CNRVC900125	1990	Mozambique	Africa	ERR1879547	CNRVC900125_GCCAAT_L001		Weill et al. Science 2017
F5149	1997	Mozambique	Africa	ERR1880763	CDCF5149		Weill et al. Science 2017
C8178	1992	Mozambique	Africa	ERR1877616	CDCC8178_rep		Weill et al. Science 2017
B_64	2004	Mozambique	Africa	ERR044797	6437_7_20		Weill et al. Science 2017
CNRVC990039	1999	Mozambique	Africa	ERR976587	16244_8_41		Weill et al. Science 2017
CNRVC990038	1999	Mozambique	Africa	ERR976586	16244_8_40		Weill et al. Science 2017
CNRVC990019	1999	Mozambique	Africa	ERR976585	16244_8_39		Weill et al. Science 2017
CNRVC950641	1972	Myanmar	Asia	ERR1879587	CNRVC950641_GTCCGC_L001		Weill et al. Science 2017
CNRVC930029	1971	Myanmar	Asia	ERR1879559	CNRVC930029_TCGAAG_L001		Weill et al. Science 2017
CNRVC940135	1994	Nepal	Asia	ERR1879576	CNRVC940135_GGCTAC_L002		Weill et al. Science 2017
CNRVC960976	1962	New Guinea	Oceania	ERR1879629	CNRVC960976_CACGAT_L002		Weill et al. Science 2017
CNRVC140167	2010	Niger	Africa	ERR1878612	CNRVC140167		Weill et al. Science 2017
CNRVC140160	2010	Niger	Africa	ERR1878611	CNRVC140160		Weill et al. Science 2017
CNRVC080124	2008	Niger	Africa	ERR1878566	CNRVC080124		Weill et al. Science 2017
CNRVC080122	2008	Niger	Africa	ERR1878565	CNRVC080122		Weill et al. Science 2017
CNRVC060273	2006	Niger	Africa	ERR1878545	CNRVC060273		Weill et al. Science 2017
CNRVC060272	2006	Niger	Africa	ERR1878544	CNRVC060272		Weill et al. Science 2017
CNRVC040210	2004	Niger	Africa	ERR1878114	CNRVC040210		Weill et al. Science 2017
CNRVC040209	2004	Niger	Africa	ERR1878113	CNRVC040209		Weill et al. Science 2017
CNRVC000005	1999	Niger	Africa	ERR1877637	CNRVC000005_CGATGT_L001		Weill et al. Science 2017

CNRVC940190	1994	Niger	Africa	ERR998663	16356_8_8		Weill et al. Science 2017
CNRVC960003	1996	Niger	Africa	ERR998689	16356_8_34		Weill et al. Science 2017
CNRVC950759	1995	Niger	Africa	ERR998686	16356_8_31		Weill et al. Science 2017
CNRVC910279	1991	Niger	Africa	ERR976516	16244_7_65		Weill et al. Science 2017
CNRVC960971	1970	Niger	Africa	ERR976474	16244_7_23		Weill et al. Science 2017
CNRVC960959	1970	Niger	Africa	ERR976473	16244_7_22		Weill et al. Science 2017
CNRVC140150	2014	Nigeria	Africa	ERR1878610	CNRVC140150		Weill et al. Science 2017
CNRVC140027	2014	Nigeria	Africa	ERR1878609	CNRVC140027		Weill et al. Science 2017
CNRVC110262	2011	Nigeria	Africa	ERR1878601	CNRVC110262		Weill et al. Science 2017
CNRVC110060	2011	Nigeria	Africa	ERR1878594	CNRVC110060		Weill et al. Science 2017
CNRVC110058	2011	Nigeria	Africa	ERR1878593	CNRVC110058		Weill et al. Science 2017
CNRVC100224	2010	Nigeria	Africa	ERR1878589	CNRVC100224		Weill et al. Science 2017
CNRVC100159	2010	Nigeria	Africa	ERR1878583	CNRVC100159		Weill et al. Science 2017
CNRVC090177	2009	Nigeria	Africa	ERR1878579	CNRVC090177		Weill et al. Science 2017
CNRVC090175	2009	Nigeria	Africa	ERR1878578	CNRVC090175		Weill et al. Science 2017
CNRVC060280	2006	Nigeria	Africa	ERR1878547	CNRVC060280		Weill et al. Science 2017
CNRVC060279	2006	Nigeria	Africa	ERR1878546	CNRVC060279		Weill et al. Science 2017
CNRVC050334	2005	Nigeria	Africa	ERR1878147	CNRVC050334		Weill et al. Science 2017
CNRVC050323	2005	Nigeria	Africa	ERR1878146	CNRVC050323		Weill et al. Science 2017
F4170	1997	Nigeria	Africa	ERR1879657	CDCF4170		Weill et al. Science 2017
F4169	1997	Nigeria	Africa	ERR1879656	CDCF4169		Weill et al. Science 2017
CNRVC960271	1996	Nigeria	Africa	ERR998709	16356_8_54		Weill et al. Science 2017
CNRVC960258	1996	Nigeria	Africa	ERR998707	16356_8_52		Weill et al. Science 2017
CNRVC960254	1996	Nigeria	Africa	ERR998706	16356_8_51		Weill et al. Science 2017
CNRVC960252	1996	Nigeria	Africa	ERR998705	16356_8_50		Weill et al. Science 2017
CNRVC960028	1996	Nigeria	Africa	ERR998692	16356_8_37		Weill et al. Science 2017
CNRVC950238	1970	Nigeria	Africa	ERR976432	16244_6_75		Weill et al. Science 2017
CNRVC950235	1970	Nigeria	Africa	ERR976431	16244_6_74		Weill et al. Science 2017

CNRVC961005	1964	Pakistan	Asia	ERR1879630	CNRVC961005_CACTCA_L002		Weill et al. Science 2017
CNRVC150220	1992	Pakistan	Asia	ERR1879429	CNRVC150220_GAGTGG_L001		Weill et al. Science 2017
CNRVC090144	2009	Pakistan	Asia	ERR1878577	CNRVC090144		Weill et al. Science 2017
CNRVC090143	2009	Pakistan	Asia	ERR1878576	CNRVC090143		Weill et al. Science 2017
CNRVC090123	2009	Pakistan	Asia	ERR1878575	CNRVC090123		Weill et al. Science 2017
CNRVC050280	2005	Pakistan	Asia	ERR1878135	CNRVC050280		Weill et al. Science 2017
Gaz11	1994	Palestine	Asia	ERR042733	6353_7_5		Weill et al. Science 2017
Gaz21	1994	Palestine	Asia	ERR042738	6353_7_10		Weill et al. Science 2017
Gaz2	1994	Palestine	Asia	ERR042729	6353_7_1		Weill et al. Science 2017
CNRVC950218	1973	Philippines	Asia	ERR1879584	CNRVC950218_GTGGCC_L002		Weill et al. Science 2017
CNRVC940044	1963	Philippines	Asia	ERR1879573	CNRVC940044_ACTTGA_L002		Weill et al. Science 2017
CNRVC930060	1961	Philippines	Asia	ERR1879564	CNRVC930060_CGATGT_L002		Weill et al. Science 2017
CNRVC140139	1974	Portugal	Europe	ERR976510	16244_7_59		Weill et al. Science 2017
CNRVC140137	1974	Portugal	Europe	ERR976508	16244_7_57		Weill et al. Science 2017
CNRVC140136	1971	Portugal	Europe	ERR976507	16244_7_56		Weill et al. Science 2017
CNRVC140135	1971	Portugal	Europe	ERR976506	16244_7_55		Weill et al. Science 2017
CNRVC140134	1971	Portugal	Europe	ERR976505	16244_7_54		Weill et al. Science 2017
NICD_69175	1980	Republic of South Africa	Africa	ERR1880792	NICD_69175		Weill et al. Science 2017
NICD_69173	1980	Republic of South Africa	Africa	ERR1880791	NICD_69173		Weill et al. Science 2017
NICD_69147	1980	Republic of South Africa	Africa	ERR1880786	NICD_69147		Weill et al. Science 2017
NICD_4076	2001	Republic of South Africa	Africa	ERR1880790	NICD_4076		Weill et al. Science 2017
NICD_273	1998	Republic of South Africa	Africa	ERR1880789	NICD_273		Weill et al. Science 2017
NICD_16879	2001	Republic of South Africa	Africa	ERR1880788	NICD_16879		Weill et al. Science 2017
NICD_16756	2001	Republic of South Africa	Africa	ERR1880787	NICD_16756		Weill et al. Science 2017
NICD_16744	2001	Republic of South Africa	Africa	ERR1877613	NICD_16744		Weill et al. Science 2017
NICD_16230	2001	Republic of South Africa	Africa	ERR1880785	NICD_16230		Weill et al. Science 2017

NICD_16211	2001	Republic of South Africa	Africa	ERR1880784	NICD_16211		Weill et al. Science 2017
NICD_15959	2001	Republic of South Africa	Africa	ERR1880783	NICD_15959		Weill et al. Science 2017
NICD_15907	2001	Republic of South Africa	Africa	ERR1880782	NICD_15907		Weill et al. Science 2017
NICD_15104	2001	Republic of South Africa	Africa	ERR1880781	NICD_15104		Weill et al. Science 2017
NICD_15070	2001	Republic of South Africa	Africa	ERR1880780	NICD_15070		Weill et al. Science 2017
NICD_14794	2001	Republic of South Africa	Africa	ERR1880779	NICD_14794		Weill et al. Science 2017
NICD_14191	2001	Republic of South Africa	Africa	ERR1880778	NICD_14191		Weill et al. Science 2017
NICD_1405	2001	Republic of South Africa	Africa	ERR1880777	NICD_1405		Weill et al. Science 2017
NICD_1264	2001	Republic of South Africa	Africa	ERR1880776	NICD_1264		Weill et al. Science 2017
NICD_1242	2001	Republic of South Africa	Africa	ERR1880775	NICD_1242		Weill et al. Science 2017
NICD_1241	2001	Republic of South Africa	Africa	ERR1880774	NICD_1241		Weill et al. Science 2017
F8479	2002	Republic of South Africa	Africa	ERR1880769	CDCF8479		Weill et al. Science 2017
F8478	2002	Republic of South Africa	Africa	ERR1880768	CDCF8478		Weill et al. Science 2017
CNRVC990256	1999	Republic of the Congo	Africa	ERR1879647	CNRVC990256_GTGGCC_L001		Weill et al. Science 2017
CNRVC070012	2007	Republic of the Congo	Africa	ERR1878550	CNRVC070012		Weill et al. Science 2017
CNRVC070011	2007	Republic of the Congo	Africa	ERR1878549	CNRVC070011		Weill et al. Science 2017
CNRVC980034	1998	Republic of the Congo	Africa	ERR976560	16244_8_14		Weill et al. Science 2017
CNRVC980030	1998	Republic of the Congo	Africa	ERR976559	16244_8_13		Weill et al. Science 2017
CNRVC940047	1991	Romania	Europe	ERR1879574	CNRVC940047_GATCAG_L002		Weill et al. Science 2017
CNRVC150224	1990	Romania	Europe	ERR1879433	CNRVC150224_ATTCCT_L001		Weill et al. Science 2017
CNRVC150222	1987	Romania	Europe	ERR1879431	CNRVC150222_ACTGAT_L001		Weill et al. Science 2017
CNRVC150221	1991	Romania	Europe	ERR1879430	CNRVC150221_GGTAGC_L001		Weill et al. Science 2017
CNRVC150219	1994	Romania	Europe	ERR1879393	CNRVC150219_CGTACG_L001		Weill et al. Science 2017
CNRVC150214	1981	Romania	Europe	ERR1879388	CNRVC150214_GTAGAG_L001		Weill et al. Science 2017
CNRVC150134	1990	Russian Federation	Europe	ERR1878616	150134_S11		Weill et al. Science 2017

CNRVC150133	1990	Russian Federation	Europe	ERR1878615	150133_S10		Weill et al. Science 2017
CNRVC000212	2000	Rwanda	Africa	ERR1877642	CNRVC000212_ACAGTG_L001		Weill et al. Science 2017
CNRVC000209	2000	Rwanda	Africa	ERR1877641	CNRVC000209		Weill et al. Science 2017
B9632	1998	Rwanda	Africa	ERR1877615	CDCB9632_rep		Weill et al. Science 2017
B9631	1998	Rwanda	Africa	ERR1877614	CDCB9631_rep		Weill et al. Science 2017
CNRVC960329	1996	Rwanda	Africa	ERR998722	16356_8_67		Weill et al. Science 2017
CNRVC960328	1996	Rwanda	Africa	ERR998721	16356_8_66		Weill et al. Science 2017
CNRVC960317	1996	Rwanda	Africa	ERR998716	16356_8_61		Weill et al. Science 2017
CNRVC960312	1996	Rwanda	Africa	ERR998715	16356_8_60		Weill et al. Science 2017
CNRVC960299	1996	Rwanda	Africa	ERR998713	16356_8_58		Weill et al. Science 2017
CNRVC980324	1998	Rwanda	Africa	ERR976569	16244_8_23		Weill et al. Science 2017
CNRVC980195	1998	Rwanda	Africa	ERR976567	16244_8_21		Weill et al. Science 2017
CNRVC980194	1998	Rwanda	Africa	ERR976566	16244_8_20		Weill et al. Science 2017
CNRVC930409	1993	Rwanda	Africa	ERR976528	16244_7_77		Weill et al. Science 2017
CNRVC940051	1988	Rwanda	Africa	ERR976414	16244_6_57		Weill et al. Science 2017
SaoTome21	1989	Sao Tome	Africa	ERR1880798	Sao_Tome_21_TGACCA_L001_rep		Weill et al. Science 2017
CNRVC920176	1989	Sao Tome	Africa	ERR1879552	CNRVC920176_ATCACG_L001		Weill et al. Science 2017
CNRVC950340	1974	Senegal	Africa	ERR1879586	CNRVC950340_CGTACG_L002		Weill et al. Science 2017
CNRVC150226	1994	Senegal	Africa	ERR1879434	CNRVC150226_CAACTA_L001		Weill et al. Science 2017
CNRVC040314	2004	Senegal	Africa	ERR1878127	CNRVC040314		Weill et al. Science 2017
CNRVC040303	2004	Senegal	Africa	ERR1878117	CNRVC040303		Weill et al. Science 2017
CNRVC960327	1996	Senegal	Africa	ERR998720	16356_8_65		Weill et al. Science 2017
CNRVC960324	1996	Senegal	Africa	ERR998719	16356_8_64		Weill et al. Science 2017
CNRVC960321	1996	Senegal	Africa	ERR998718	16356_8_63		Weill et al. Science 2017
CNRVC960318	1996	Senegal	Africa	ERR998717	16356_8_62		Weill et al. Science 2017
CNRVC960272	1996	Senegal	Africa	ERR998710	16356_8_55		Weill et al. Science 2017
CNRVC960122	1996	Senegal	Africa	ERR998695	16356_8_40		Weill et al. Science 2017
CNRVC960031	1996	Senegal	Africa	ERR998693	16356_8_38		Weill et al. Science 2017

CNRVC960023	1996	Senegal	Africa	ERR998691	16356_8_36		Weill et al. Science 2017
CNRVC960018	1996	Senegal	Africa	ERR998690	16356_8_35		Weill et al. Science 2017
CNRVC950345	1971	Senegal	Africa	ERR976436	16244_6_79		Weill et al. Science 2017
CNRVC950343	1972	Senegal	Africa	ERR976435	16244_6_78		Weill et al. Science 2017
CNRVC950326	1974	Senegal	Africa	ERR976434	16244_6_77		Weill et al. Science 2017
CNRVC950253	1973	Senegal	Africa	ERR976433	16244_6_76		Weill et al. Science 2017
CNRVC040257	2004	Sierra Leone	Africa	ERR1878115	CNRVC040257		Weill et al. Science 2017
CNRVC040203	2004	Sierra Leone	Africa	ERR1878111	CNRVC040203		Weill et al. Science 2017
CNRVC950712	1995	Sierra Leone	Africa	ERR998675	16356_8_20		Weill et al. Science 2017
CNRVC980418	1998	Sierra Leone	Africa	ERR976580	16244_8_34		Weill et al. Science 2017
CNRVC980038	1986	Sierra Leone	Africa	ERR976477	16244_7_26		Weill et al. Science 2017
CNRVC961014	1970	Sierra Leone	Africa	ERR976475	16244_7_24		Weill et al. Science 2017
CNRVC930037	1970	Sierra Leone	Africa	ERR976398	16244_6_41		Weill et al. Science 2017
CNRVC961018	1970	Slovakia	Europe	ERR1879632	961018_S2		Weill et al. Science 2017
CNRVC961017	1970	Slovakia	Europe	ERR1879631	961017_S1		Weill et al. Science 2017
CNRVC930030	1970	Slovakia	Europe	ERR1879560	930030_S3		Weill et al. Science 2017
CNRVC940066	1994	Somalia	Africa	ERR1879575	CNRVC940066_TAGCTT_L002		Weill et al. Science 2017
CNRVC150236	1985	Somalia	Africa	ERR1879537	CNRVC150236_CCAACA_L001		Weill et al. Science 2017
CNRVC150234	1985	Somalia	Africa	ERR1879536	CNRVC150234_CATTTT_L001		Weill et al. Science 2017
CNRVC030392	2003	Somalia	Africa	ERR1878095	CNRVC030392		Weill et al. Science 2017
CNRVC030391	2003	Somalia	Africa	ERR1878094	CNRVC030391		Weill et al. Science 2017
CNRVC970053	1997	Somalia	Africa	ERR998732	16356_8_77		Weill et al. Science 2017
CNRVC990002	1999	Somalia	Africa	ERR976583	16244_8_37		Weill et al. Science 2017
CNRVC080383	2008	South Sudan	Africa	ERR1878569	CNRVC080383		Weill et al. Science 2017
CNRVC070067	2007	South Sudan	Africa	ERR1878554	CNRVC070067		Weill et al. Science 2017
CNRVC070066	2007	South Sudan	Africa	ERR1878553	CNRVC070066		Weill et al. Science 2017
RKI-ZBS2-CH8	1971	Spain	Europe	ERR1880796	RKI-ZBS2-CH8_CTCAGA_L002		Weill et al. Science 2017
CNRVC930174	1981	Sri Lanka	Asia	ERR1879571	CNRVC930174_CTTGTA_L002		Weill et al. Science 2017

CNRVC960276	1996	Sudan	Africa	ERR1879600	CNRVC960276_ATTCCT_L002		Weill et al. Science 2017
CNRVC960142	1996	Sudan	Africa	ERR1879595	CNRVC960142_GGTAGC_L002		Weill et al. Science 2017
CNRVC980384	1998	Sudan	Africa	ERR976575	16244_8_29		Weill et al. Science 2017
CNRVC980356	1998	Sudan	Africa	ERR976571	16244_8_25		Weill et al. Science 2017
CNRVC150212	1998	Tanzania	Africa	ERR1879386	CNRVC150212_ATGTCA_L001		Weill et al. Science 2017
F5333	1998	Tanzania	Africa	ERR1880767	CDCF5333		Weill et al. Science 2017
F5332	1998	Tanzania	Africa	ERR1880766	CDCF5332		Weill et al. Science 2017
F3835	1997	Tanzania	Africa	ERR1879655	CDCF3835		Weill et al. Science 2017
CNRVC980081	1998	Tanzania	Africa	ERR976564	16244_8_18		Weill et al. Science 2017
CNRVC980080	1998	Tanzania	Africa	ERR976563	16244_8_17		Weill et al. Science 2017
CNRVC930428	1993	Tanzania	Africa	ERR976531	16244_7_80		Weill et al. Science 2017
CNRVC961077	1963	Thailand	Asia	ERR1879633	CNRVC961077exCNRVC961090_TCGAAG_L001		Weill et al. Science 2017
CNRVC930155	1993	Thailand	Asia	ERR1879570	CNRVC930155_TCGGCA_L002		Weill et al. Science 2017
THSTI_GP106 bis	1975	Togo	Africa	ERR1880815	THSTI_GP106bis		Weill et al. Science 2017
CNRVC010108	2001	Togo	Africa	ERR1877944	CNRVC010108		Weill et al. Science 2017
L409	2012	Togo	Africa	ERR572842	12971_7_80		Weill et al. Science 2017
L400	2011	Togo	Africa	ERR572840	12971_7_78		Weill et al. Science 2017
L395	2010	Togo	Africa	ERR572839	12971_7_77		Weill et al. Science 2017
L413	2012	Togo	Africa	ERR572592	12971_4_79		Weill et al. Science 2017
L410	2012	Togo	Africa	ERR572590	12971_4_77		Weill et al. Science 2017
L408	2011	Togo	Africa	ERR572589	12971_4_76		Weill et al. Science 2017
L403	2011	Togo	Africa	ERR572585	12971_4_72		Weill et al. Science 2017
L399	2011	Togo	Africa	ERR572582	12971_4_69		Weill et al. Science 2017
L397	2010	Togo	Africa	ERR572580	12971_4_67		Weill et al. Science 2017
L390	2010	Togo	Africa	ERR572574	12971_4_61		Weill et al. Science 2017
L388	2010	Togo	Africa	ERR572572	12971_4_59		Weill et al. Science 2017
L387	2010	Togo	Africa	ERR572571	12971_4_58		Weill et al. Science 2017
CNRVC150229	1981	Tunisia	Africa	ERR1879437	CNRVC150229_CACTCA_L001		Weill et al. Science 2017

CNRVC150228	1973	Tunisia	Africa	ERR1879436	CNRVC150228_CACGAT_L001		Weill et al. Science 2017
CNRVC950559	1971	Tunisia	Africa	ERR976455	16244_7_4		Weill et al. Science 2017
CNRVC950558	1971	Tunisia	Africa	ERR976454	16244_7_3		Weill et al. Science 2017
CNRVC950376	1974	Tunisia	Africa	ERR976441	16244_6_84		Weill et al. Science 2017
RKI-ZBS2-CH99	1980	Turkey	Asia	ERR1880797	RKI-ZBS2-CH99_TAATCG_L002		Weill et al. Science 2017
RKI-ZBS2-CH234	1994	Turkey	Asia	ERR1880795	RKI-ZBS2-CH234_TCATTC_L002		Weill et al. Science 2017
RKI-ZBS2-CH218	1994	Turkey	Asia	ERR1880794	RKI-ZBS2-CH218_TATAAT_L002		Weill et al. Science 2017
CNRVC910164	1991	Turkey	Asia	ERR1879549	CNRVC910164_CTTGTA_L001		Weill et al. Science 2017
CNRVC150216	1976	Turkey	Asia	ERR1879390	CNRVC150216_GTGAAA_L001		Weill et al. Science 2017
CNRVC000044	2000	Uganda	Africa	ERR1877639	CNRVC000044_TGACCA_L001		Weill et al. Science 2017
CNRVC000043	2000	Uganda	Africa	ERR1877638	CNRVC000043		Weill et al. Science 2017
C8799	1992	Uganda	Africa	ERR1877636	CDCC8799_rep		Weill et al. Science 2017
C8798	1992	Uganda	Africa	ERR1877619	CDCC8798_rep		Weill et al. Science 2017
CNRVC980005	1998	Uganda	Africa	ERR976553	16244_8_7		Weill et al. Science 2017
CNRVC980004	1998	Uganda	Africa	ERR976552	16244_8_6		Weill et al. Science 2017
CNRVC990015	1999	Uganda	Africa	ERR976584	16244_8_38		Weill et al. Science 2017
CNRVC150132	1974	Ukraine	Europe	ERR1878614	150132_S9		Weill et al. Science 2017
CNRVC150131	1970	Ukraine	Europe	ERR1878613	150131_S8		Weill et al. Science 2017
CNRVC920171	1983	Vietnam	Asia	ERR1879551	CNRVC920171_TACAGC_L001		Weill et al. Science 2017
CNRVC961129	1964	Vietnam	Asia	ERR1879634	CNRVC961129_CAGGCG_L002		Weill et al. Science 2017
CNRVC950172	1969	Vietnam	Asia	ERR1879583	CNRVC950172_GTGAAA_L002		Weill et al. Science 2017
CNRVC950165	1968	Vietnam	Asia	ERR1879582	CNRVC950165_GTCCGC_L002		Weill et al. Science 2017
CNRVC950161	1966	Vietnam	Asia	ERR1879581	CNRVC950161_GTAGAG_L002		Weill et al. Science 2017
CNRVC100062	2010	Zambia	Africa	ERR1878582	CNRVC100062		Weill et al. Science 2017
CNRVC100057	2010	Zambia	Africa	ERR1878581	CNRVC100057		Weill et al. Science 2017
F5198	1998	Zambia	Africa	ERR1880765	CDCF5198		Weill et al. Science 2017
F5197	1998	Zambia	Africa	ERR1880764	CDCF5197		Weill et al. Science 2017

336_01	2004	Zambia	Africa	ERR164776	8036_3_36		Weill et al. Science 2017
259_01	2004	Zambia	Africa	ERR164773	8036_3_33		Weill et al. Science 2017
329_01	2004	Zambia	Africa	ERR164768	8036_3_28		Weill et al. Science 2017
218_02	2003	Zambia	Africa	ERR164766	8036_3_26		Weill et al. Science 2017
169_12	2003	Zambia	Africa	ERR164765	8036_3_25		Weill et al. Science 2017
20_03	1997	Zambia	Africa	ERR164763	8036_3_23		Weill et al. Science 2017
330_02	1997	Zambia	Africa	ERR164760	8036_3_20		Weill et al. Science 2017
177_03	1997	Zambia	Africa	ERR164759	8036_3_19		Weill et al. Science 2017
329_02	1996	Zambia	Africa	ERR164758	8036_3_18		Weill et al. Science 2017
280_02	1996	Zambia	Africa	ERR164757	8036_3_17		Weill et al. Science 2017
204_12	2003	Zambia	Africa	ERR044795	6437_7_18		Weill et al. Science 2017
354_02	1996	Zambia	Africa	ERR044794	6437_7_17		Weill et al. Science 2017
L254	2012	Zambia	Africa	ERR386663	10868_2_44		Weill et al. Science 2017
L268	2012	Zambia	Africa	ERR386661	10868_2_42		Weill et al. Science 2017
L273	2012	Zambia	Africa	ERR386656	10868_2_37		Weill et al. Science 2017
F3403	1996	Zambia_Republic of South Africa	Africa	ERR1879654	CDCF3403		Weill et al. Science 2017
F3397	1996	Zambia_Republic of South Africa	Africa	ERR1879653	CDCF3397		Weill et al. Science 2017
Zim_27	2009	Zimbabwe	Africa	ERR044800	6437_7_23		Weill et al. Science 2017
Zim_25	2009	Zimbabwe	Africa	ERR044799	6437_7_22		Weill et al. Science 2017
Zim_12	2009	Zimbabwe	Africa	ERR044798	6437_7_21		Weill et al. Science 2017

Supplementary Table 4
Toxigenic O1 *Vibrio cholerae* genomes and accessions used in Figure 1.

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