APPENDICES:

Supplementary file 1: Table showing MLST results with loci number of seven housekeeping genes based on assemblies

ISOLATE	ST	NEW ST	CONTAMINATION	ARC	AROE	GLPF	GMK	PTA	TPI	YQIL
24977_8#292	6			12	4	1	4	12	1	3
24977_8#293	580			3	35	48	19	20	26	39
24977_8#294	25			4	1	4	1	5	5	4
24977_8#310	6			12	4	1	4	12	1	3
24977_8#314	25			4	1	4	1	5	5	4
24977_8#313	25			4	1	4	1	5	5	4
24977_8#323	789			3	4	1	4	4	6	3
24977_8#326	188			3	1	1	8	1	1	1
24977_8#327	580			3	35	48	19	20	26	39
24977_8#328	15			13	13	1	1	12	11	13
24977_8#330	188			3	1	1	8	1	1	1
24977_8#333	152			46	75	49	44	13	68	60
24977_8#335	97			3	1	1	1	1	5	3
24977_8#336	152			46	75	49	44	13	68	60
24977_8#342	188			3	1	1	8	1	1	1
24977_8#346	22			7	6	1	5	8	8	6
24977_8#353	789			3	4	1	4	4	6	3
24977_8#356	188			3	1	1	8	1	1	1
24977_8#368	188			3	1	1	8	1	1	1
24977_8#371	188			3	1	1	8	1	1	1
24977_8#374	789			3	4	1	4	4	6	3
24977_8#380	580			3	35	48	19	20	26	39

24977_8#383	22			7	6	1	5	8	8	6

Supplementary file 2: Metadata of the sample isolates

ID	Source (Human/Pig)	Homestead Number	Rearing Type	Size Of Farm (Acres)	Herd Size	Age Of Handler	Chickens	Cattle	Recent Mastitis	Sheep	Goats	Pets (Cats)
24977_8#292	Human	22	Zero Grazing	5	21	21	Yes	No	No	No	No	No
24977_8#293	Swine	21	Zero Grazing	2.1	2	21	Yes	Yes	No	No	No	Yes
24977_8#294	Swine	3	Zero Grazing	2	43	21	Yes	No	No	Yes	Yes	No
24977_8#310	Human	5	Zero Grazing	4	25	43	Yes	No	No	No	No	No
24977_8#313	Human	6	Zero Grazing	2	32	12	Yes	No	No	No	Yes	No
24977_8#314	Swine	8	Zero Grazing	1	6	33	Yes	No	No	No	No	Yes
24977_8#323	Swine	4	Zero Grazing	3	32	32	Yes	No	No	No	No	Yes
24977_8#326	Human	33	Zero Grazing	1	8	31	Yes	No	No	No	No	Yes
24977_8#327	Swine	13	Free Range	2	12	23	No	No	No	No	Yes	No
24977_8#328	Human	24	Zero Grazing	0.6	3	32	Yes	Yes	Yes	No	No	No
24977_8#330	Swine	24	Zero Grazing	0.6	9	32	Yes	Yes	Yes	No	No	No
24977_8#333	Human	90	Zero Grazing	1	4	32	No	No	No	No	No	No
24977_8#335	Human	5	Zero Grazing	4	25	43	Yes	No	No	No	No	No
24977_8#336	Swine	67	Zero Grazing	2	7	43	Yes	No	No	No	Yes	Yes
24977_8#342	Swine	45	Zero Grazing	1.5	6	32	Yes	Yes	Yes	No	No	No
24977_8#346	Swine	6	Zero Grazing	2	32	12	Yes	No	No	No	Yes	No
24977_8#353	Human	2	Zero Grazing	0.5	6	32	Yes	No	No	No	No	Yes
24977_8#356	Human	33	Zero Grazing	1	8	31	Yes	No	No	No	No	No
24977_8#368	Swine	21	Zero Grazing	2.1	2	21	Yes	Yes	No	No	No	Yes
24977_8#371	Swine	19	Intensive	2	125	21	Yes	Yes	Yes	Yes	Yes	No

24977_8#374	HUMAN	104	ZERO GRAZING	1	7	24	YES	NO	NO	NO	NO	YES
24977_8#380	HUMAN	13	FREE RANGE	2	12	23	YES	NO	NO	NO	YES	NO
24977_8#383	HUMAN	1	FREE RANGE	1	6	32	YES	YES	NO	NO	YES	YES

Supplementary file 3: In vitro antibiotic susceptibility test of 23 strains against 17 panels of antibiotic drugs

Id	OFX	INTP	F	INTP	LZD	INTP	QD	INTP	AML	INTP	IPM	INTP	E	INTP	DO	INTP
24977_8#292	26	S	6	R	6	R	6	R			30		6	R	6	R
24977_8#293	28	S	24	S	24	S	6	R	22		24		28	S	20	S
24977_8#294	24	S	23	S	26	S	28	S	20		20		6	R	28	S
24977_8#310	6	R	20	S	18	R	14	R	8		20		6	R	12	R
24977_8#313	30	S	28	S	24	S	20	S	20		24		6	R	22	S
24977_8#314			20	S	28	S	22	S	18		24		20	I	8	R
24977_8#323	26	S	20	S	22	S	16	I	10		26		20	I	22	S
24977_8#326			24	S	22	S	20	S	20		30		20	I	28	S
24977_8#327	20	S	6	R	22	S	6	R	8		36		20	S	8	R
24977_8#328			20	S	12	R	24	S	16		28		20	I	24	S
24977_8#330	30	S	26	S	36	S	24	S	19		30		18	I	10	R
24977_8#333	22	S	20	S	22	S	18	I	28		30		6	R	30	S
24977_8#335	20	S	22	S	30	S	28	S	20		26		6	R	20	S
24977_8#336	6	R	24	S	32	S	30	S	18		24		22	I		
24977_8#342	28	S	24	S	36	S	28	S	18		24		6	R	20	S
24977_8#346	26	S	22	S	24	S	6	R	6		32		30	S	18	S
24977_8#353			22	S	24	S	22	S	18		28		8	R		
24977_8#356	26	S	30	S	22	S	24	S	30		30		28	S		
24977_8#368			26	S	32	S	20	S	24		24		24	S		
24977_8#371	24	S	24	S	34	S	24	S	30		34		18	I		
24977_8#374	22	S	22	S	10	R	30	S	34		28		20	I		
24977_8#380			20	S	36	S	24	S	18		30		22	I		
24977_8#383	20	S	28	S	30	S	16	I	18		26		18	I		

ID	AMC	INTP	AMP	INTP	CAZ	INTP	SXT	INTP	CN	INTP	C	INTP	CIP	INTP	NA	INTP	FOX	INTP
24977_8#292	30	S	18	R	18	S	22	S	14	I	24	S	29	S	6		26	S
24977_8#293	30	S	20	R	20	S	22	S	22	S	24	S	28	S	10		28	S
24977_8#294	25	S	15	R	15	I	6	R	20	S	24	S	34	S	6		28	S
24977_8#310	20	S	10	R	6	R	30	S	8	R	8	R	18	I	6		6	R
24977_8#313	22	S	12	R	20	S	24	S	18	S	22	S	20	I	8		26	S
24977_8#314	20	S	8	R	6	R	6	R	6	R	16	I	8	R	6		24	S
24977_8#323	24	S	14	R	20	S	22	S	22	S	20	S	22	S	6		18	R
24977_8#326	28	S	10	R	20	S	26	S	22	S	24	S	26	S	8		28	S
24977_8#327	22	S	18	R	20	S	6	R	18	S	20	S	20	I	30		6	R
24977_8#328	20	S	12	R	18	S	10	R	24	S	26	S	26	S	8		26	S
24977_8#330	22	S	20	R	28	S	30	S	20	S	22	S	24	S	10		34	S
24977_8#333	20	S	6	R	6	R	6	R	14	I	20	S	20	I	14		24	S
24977_8#335	24	S	18	R	18	S	10	R	22	S	8	R	26	S	14		34	S
24977_8#336	26	S	14	R	18	S	32	S	24	S	15	I	22	S	12		30	S
24977_8#342	26	S	20	R	20	S	12	I	20	S	26	S	30	S	6		36	S
24977_8#346	34	S	32	S	18	S	28	S	26	S	28	S	29	S	10		28	S
24977_8#353	24	S	30	S	22	S	22	S	12	R	6	R	28	S	14		6	R
24977_8#356	26	S	22	R	18	S	24	S	24	S	24	S	24	S	16		24	S
24977_8#368	22	S	24	R	20	S	26	S	20	S	30	S	30	S	22		22	S
24977_8#371	20	S	22	R	26	S	26	S	18	S	24	S	34	S	14		30	S
24977_8#374	30	S	26	R	24	S	22	S	10	R	26	S	32	S	16		32	S
24977_8#380	24	S	20	R	22	S	20	S	16	S	28	S	22	S	18		24	S
24977_8#383	22	S	28	R	10	S	18	S	14	I	16	I	28	S	8		26	S

Supplementary file 5: Comparison of phenotypic testing of 23 strains with genotypic resistance genes based on Resfinder and Argannot results. False positive indicates presence of AMR gene in WGS but absence in phenotypic results while False negative indicates absence of AMR gene in WGS but positive in phenotypic results

Antibiotic Drug	Antibiotic Class	Prevalence (Phenotypic)	Resistance Genes	False Negative	False Positive	Discordance Total	Concordance Proportions
Ampicillin	β-Lactams	21	Blaz	1	2	3	40/43
Gentamycin	Aminoglycosides	4	Aph(2), Aadc	2	1	3	4/7
Trimethoprim	Folate Synthesis Inhibitors	6	Dfrg	3	1	4	6/10
Ciprofloxacin	Quinolones	1	Grla (S80f), Gyra (S84l)	1	0	1	0/1
Erythromycin	Macrolides	8	Ermc, Erm33, Ermb	5	1	6	10/16
Cefoxitin	Low Affinity Pbp2	3	Meca	2	0	3	1 / 4
Total		N=39		Error N= 14/39 35.89%	Error N= 5/42 11.9%	N= 20/81 24.7 %	N= 61/81 75.30%

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Supplementary 7: Number of shared accessory genes between ST580 and ST398

	MS SA	MS SA	MS SA	MS SA	MS SA	MS SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	SA	MS SA	MS SA	MS SA	MS SA	MS SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA	MR SA
T1176	299	297	296	69	94	115	68	63	57	58	69	69	63	61	63	56	49	27	37	35	102	100	115	99	78	38	52	40	29	65	56	62	55
T1176	297	337	296	69	94	115	68	63	57	58	69	69	63	61	63	56	49	27	37	35	102	100	115	99	78	38	52	40	29	65	56	62	55
T1176	296	296	298	69	94	115	68	63	57	58	69	69	63	61	62	56	49	27	37	34	102	100	115	99	77	37	52	40	28	65	56	62	55
T034	69	69	69	371	176	120	198	198	181	173	195	197	193	179	216	183	165	123	153	13	122	146	121	151	65	147	171	149	119	157	190	246	172
T571	94	94	94	176	434	146	165	159	147	154	176	174	162	157	175	149	135	106	119	11	133	137	145	134	95	126	157	136	115	150	166	166	132
T1451	115	115	115	120	146	222	121	117	101	107	129	127	117	105	121	104	93	62	69	71	187	185	203	185	141	77	107	89	59	118	110	112	88
T011	68	68	68	198	165	121	305	295	271	201	252	253	280	261	225	233	218	185	183	20	123	123	118	123	70	173	219	191	148	185	248	261	173
T011	63	63	63	198	159	117	295	305	269	201	247	246	275	256	223	229	218	183	181	20	121	119	115	122	70	172	215	187	148	181	244	259	169
T011	57	57	57	181	147	101	271	269	299	196	226	225	259	249	209	221	210	186	176	20	111	110	103	113	63	170	209	187	152	165	239	244	165
T034	58	58	58	173	154	107	201	201	196	418	233	235	195	193	211	179	165	147	156	16	106	104	109	106	73	155	199	188	124	151	189	183	154
T034	69	69	69	195	176	129	252	247	226	233	301	286	242	226	255	210	188	161	169	17	124	125	124	124	70	175	231	210	143	195	221	223	171
T034	69	69	69	197	174	127	253	246	225	235	286	293	242	227	251	212	189	162	172	17	123	123	126	123	73	176	233	207	138	195	223	225	169
T2741	63	63	63	193	162	117	280	275	259	195	242	242	327	296	222	229	211	177	188	19	117	117	115	117	65	185	225	197	149	175	241	265	176
T2741	61	61	61	179	157	105	261	256	249	193	226	227	296	322	214	223	206	181	191	19	109	108	104	108	65	182	216	197	151	165	236	252	171
T034	63	63	62	216	175	121	225	223	209	211	255	251	222	214	366	197	181	150	168	16	120	144	119	150	71	179	202	187	171	203	213	236	156
T2383	56	56	56	183	149	104	233	229	221	179	210	212	229	223	197	305	248	163	194	17	111	114	108	113	67	166	209	180	150	160	218	239	158
T011	49	49	49	165	135	93	218	218	210	165	188	189	211	206	181	248	303	173	191	18	95	95	96	95	66	162	187	168	151	145	208	223	150
T011	27	27	27	123	106	62	185	183	186	147	161	162	177	181	150	163	173	235	166	18	64	64	62	66	59	136	167	162	147	112	187	184	123
T011	37	37	37	153	119	69	183	181	176	156	169	172	188	191	168	194	191	166	296	16	69	74	68	71	63	159	168	167	148	121	192	197	146
T011	35	35	34	137	115	71	200	200	203	162	173	175	198	196	162	179	182	188	167	24	75	75	74	77	57	151	173	165	145	124	197	199	135
T571	102	102	102	122	133	187	123	121	111	106	124	123	117	109	120	111	95	64	69	75	217	206	193	199	139	80	111	93	64	124	118	119	95
T571	100	100	100	146	137	185	123	119	110	104	125	123	117	108	144	114	95	64	74	75	206	334	189	207	140	89	111	93	100	150	120	139	98
T571	115	115	115	121	145	203	118	115	103	109	124	126	115	104	119	108	96	62	68	74	193	189	227	191	145	77	108	87	61	117	110	112	88
T571	99	99	99	151	134	185	123	122	113	106	124	123	117	108	150	113	95	66	71	77	199	207	191	277	130	79	107	88	70	129	118	142	95
T2383	78	78	77	65	95	141	70	70	63	73	70	73	65	65	71	67	66	59	63	57	139	140	145	130	202	67	70	64	64	69	70	72	58
T034	38	38	37	147	126	77	173	172	170	155	175	176	185	182	179	166	162	136	159	15	80	89	77	79	67	292	174	164	148	142	179	194	140
T034	52	52	52	171	157	107	219	215	209	199	231	233	225	216	202	209	187	167	168	17	111	111	108	107	70	174	277	220	137	168	221	223	156
T034	40	40	40	149	136	89	191	187	187	188	210	207	197	197	187	180	168	162	167	16	93	93	87	88	64	164	220	258	139	147	198	192	142
T011	29	29	28	119	115	59	148	148	152	124	143	138	149	151	171	150	151	147	148	14	64	100	61	70	64	148	137	139	436	157	188	184	113
T034	65	65	65	157	150	118	185	181	165	151	195	195	175	165	203	160	145	112	121	12	124	150	117	129	69	142	168	147	157	283	170	183	120
T011	56	56	56	190	166	110	248	244	239	189	221	223	241	236	213	218	208	187	192	19	118	120	110	118	70	179	221	198	188	170	339	251	166

T011	62	62	62	246	166	112	261	259	244	183	223	225	265	252	236	239	223	184	197	19	119	139	112	142	72	194	223	192	184	183	251	399	183
T034	55	55	55	172	132	88	173	169	165	154	171	169	176	171	156	158	150	123	146	13	95	98	88	95	58	140	156	142	113	120	166	183	267

Supplementary file 4: Novel variants of gyrA of 23 strains based on prediction on ARIBA.

ID	GYRA_A162S	GYRA_A709E	GYRA_D483E	GYRA_D596E	GYRA_D816E	GYRA_D856E	GYRAE409D	GYRA_E815D	GYRA_E817V	GYRA_E859V	GYRA_E862D	GYRA_E886D	GYRA_N842S	GYRA_N860T	GYRA_R875C	GYRA_S884L	GYRA_T818DEL	GYRA_T825_S826DEL	GYRA_T845A	GYRA_A223V
24977_8#292	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#293	NO	NO	NO	NO	YES	NO	NO	YES	NO	YES	NO	NO	NO	NO	YES	NO	YES	YES	NO	NO
24977_8#294	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#310	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#313	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#314	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#323	NO	NO	NO	NO	YES	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	NO	YES	YES	YES	NO
24977_8#326	NO	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#327	NO	NO	NO	NO	YES	NO	NO	YES	NO	YES	NO	NO	NO	NO	YES	NO	YES	YES	NO	NO
24977_8#328	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO	YES	NO	NO	YES	NO	YES	NO	NO	NO	NO
24977_8#330	NO	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#333	YES	NO	NO	YES	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO	YES	NO	NO
24977_8#335	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#336	YES	NO	NO	YES	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO	YES	NO	YES
24977_8#342	NO	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#346	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#353	NO	NO	NO	NO	YES	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	NO	YES	YES	YES	NO
24977_8#356	NO	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#368	NO	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#371	NO	NO	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24977_8#374	NO	NO	NO	NO	YES	NO	NO	YES	YES	NO	NO	NO	YES	NO	NO	NO	YES	YES	YES	NO
24977_8#380	NO	NO	NO	NO	YES	NO	NO	YES	NO	YES	NO	NO	NO	NO	YES	NO	YES	YES	NO	YES
24977_8#383	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LANE	STUDY_ACCESSION	COUNTRY	YEAR	ST
15056_7#53	PRJEB2655	TANZANIA	2014	152
15056_7#58	PRJEB2655	TANZANIA	2014	152
ERR1143368	PRJEB11627	GERMANY	2011	152
ERR1143369	PRJEB11627	GERMANY	2010	152
ERR1143433	PRJEB11627	TANZANIA	2012	152
ERR1143437	PRJEB11627	TANZANIA	2012	152
ERR1143447	PRJEB11627	GABON	2011	152
ERR1143449	PRJEB11627	GABON	2011	152
ERR1143460	PRJEB11627	GABON	2011	152
ERR1143463	PRJEB11627	GABON	2012	152
ERR1143465	PRJEB11627	GABON	2012	152
ERR1143469	PRJEB11627	GABON	2012	152
ERR1143471	PRJEB11627	GABON	2012	152
ERR1143481	PRJEB11627	GABON	2013	152
ERR1143490	PRJEB11627	MOZAMBIQUE	2012	152
ERR1143492	PRJEB11627	MOZAMBIQUE	2012	152
ERR1195804	PRJEB8084	GERMANY	2014	152
ERR1213804	PRJEB12419	GAMBIA	2007	152
ERR1213807	PRJEB12419	GAMBIA	2008	152
ERR1213812	PRJEB12419	GAMBIA	2009	152
ERR1213817	PRJEB12419	GAMBIA	2009	152
7229_4#50	PRJEB2755	UK	1998	188
7915_6#22	PRJEB2944	UK	1998	188
9119_2#48	PRJEB2655	UNITED KINGDOM	2012	188
11641_2#13	PRJEB1915	USA	2010	188
11641_2#46	PRJEB1915	USA	2010	188
11641_2#68	PRJEB1915	USA	2009	188
12641_2#35	PRJEB1915	USA	2009	188
12641_2#75	PRJEB1915	USA	2010	188
12673_4#19	PRJEB1915	USA	2010	188
12673_5#80	PRJEB1915	USA	2004	188
12971_2#23	PRJEB1915	USA	2010	188
15056_7#55	PRJEB2655	TANZANIA	2014	188
17175_1#69	PRJEB9575	THAILAND	2015	188
17138_2#15	PRJEB9575	THAILAND	2015	188
17138_2#66	PRJEB9575	THAILAND	2015	188
17175_3#11	PRJEB9575	THAILAND	2015	188
17175_1#77	PRJEB9575	THAILAND	2015	188

4395_2#4	PRJEB2478	PORTUGAL	2006	188
ERR1143448	PRJEB11627	GABON	2011	6
ERR1143399	PRJEB11627	TANZANIA	2011	6
ERR1143403	PRJEB11627	TANZANIA	2011	6
ERR1143420	PRJEB11627	TANZANIA	2011	6
17175_2#4	PRJEB9575	THAILAND	2015	6
17175_2#16	PRJEB9575	THAILAND	2015	6
17175_2#17	PRJEB9575	THAILAND	2015	6
17138_2#39	PRJEB9575	THAILAND	2015	6
17138_2#45	PRJEB9575	THAILAND	2015	6
17138_2#48	PRJEB9575	THAILAND	2015	6
17138_2#59	PRJEB9575	THAILAND	2015	6
17175_1#84	PRJEB9575	THAILAND	2015	6
17175_1#85	PRJEB9575	THAILAND	2015	6
17175_1#47	PRJEB9575	THAILAND	2015	6
4351_2#8	PRJEB2096	AUSTRALIA: PERTH	1996	22
4351_8#1	PRJEB2096	AUSTRALIA: PERTH	2006	22
4351_8#10	PRJEB2096	AUSTRALIA: MELBOURNE	2006	22
4351_8#9	PRJEB2096	AUSTRALIA: PERTH	2006	22
4351_8#8	PRJEB2096	AUSTRALIA: MELBOURNE	2006	22
4395_5#1	PRJEB2096	AUSTRALIA: SYDNEY	2006	22
4351_8#11	PRJEB2096	AUSTRALIA: PERTH	2006	22
4351_8#2	PRJEB2096	AUSTRALIA: BRISBANE	2006	22
4351_8#3	PRJEB2096	AUSTRALIA: BRISBANE	2006	22
4351_8#5	PRJEB2096	AUSTRALIA: SYDNEY	2006	22
4351_8#7	PRJEB2096	AUSTRALIA: SYDNEY	2006	22
6437_8#7	PRJEB2510	AUSTRALIA	1999	22
7229_3#8	PRJEB2755	UK	1998	25
7748_6#30	PRJEB2756	UNITED KINGDOM: ENGLAND	2008	25
7748_6#4	PRJEB2756	UNITED KINGDOM: ENGLAND	2002	25
7748_6#27	PRJEB2756	UNITED KINGDOM: ENGLAND	2008	25
7748_6#24	PRJEB2756	UNITED KINGDOM: SCOTLAND	2007	25

7748_6#18	PRJEB2756	UNITED KINGDOM: ENGLAND	2006	25
11641_2#51	PRJEB1915	USA	2010	25
12625_6#13	PRJEB1915	USA	2010	25
12641_3#44	PRJEB1915	USA	2010	25
12673_1#66	PRJEB1915	USA	2009	25
12673_2#27	PRJEB1915	USA	2009	25
12673_2#28	PRJEB1915	USA	2009	25
12673_2#60	PRJEB1915	USA	2009	25
17175_2#54	PRJEB9575	THAILAND	2015	25
17175_2#60	PRJEB9575	THAILAND	2015	25
17175_3#47	PRJEB9575	THAILAND	2015	25
ERR1212598	PRJEB12240	UNITED KINGDOM	2008	25
ERR1213810	PRJEB12419	GAMBIA	2008	25
ERR1213816	PRJEB12419	GAMBIA	2009	25
7229_6#65	PRJEB2755	UK	1998	789
ERR1195979	PRJEB8084	GERMANY	2015	789
ERR1050518	PRJEB11281	DENMARK	2014	398
ERR1699818	PRJEB12818	USA	2011	398
ERR1699820	PRJEB12818	USA	2011	398
ERR1753508	PRJEB18560	DENMARK	2013	398
ERR1040953	PRJEB11177	UNITED KINGDOM	2011	398
ERR1699816	PRJEB12818	USA	2007	398
ERR1699817	PRJEB12818	USA	2011	398
6133_1#11	PRJEB2478	FRANCE	2006	398
ERR1050515	PRJEB11281	DENMARK	2013	398
ERR1050520	PRJEB11281	DENMARK	2013	398
ERR1429006	PRJEB14187	FINLAND	2015	398
ERR1682039	PRJEB12552	NEW ZEALAND	2015	398
ERR493469	PRJEB6236	DENMARK	2008	398
ERR593597	PRJEB7089	GERMANY	2014	398
ERR593602	PRJEB7089	GERMANY	2014	398
ERR593609	PRJEB7089	GERMANY	2014	398
8113_4#24	PRJEB2755	UK	1998	398
ERR1050516	PRJEB11281	DENMARK	2013	398
ERR1050517	PRJEB11281	DENMARK	2013	398
ERR1050519	PRJEB11281	DENMARK	2014	398
ERR1429004	PRJEB14187	FINLAND	2015	398
ERR1429005	PRJEB14187	FINLAND	2015	398

ERR1682013	PRJEB12552	NEW ZEALAND	2013	398
ERR1682033	PRJEB12552	NEW ZEALAND	2015	398
ERR1682037	PRJEB12552	NEW ZEALAND	2015	398
ERR1682038	PRJEB12552	NEW ZEALAND	2015	398
ERR493447	PRJEB6236	DENMARK	2007	398
ERR493466	PRJEB6236	DENMARK	2007	398
ERR593112	PRJEB7089	GERMANY	2013	398
ERR593115	PRJEB7089	GERMANY	2013	398
17262_2#28	PJEB9644	GHANA	2012	152
17262_2#29	PJEB9644	GHANA	2012	152
17262_2#40	PJEB9644	GHANA	2012	152
SRR3047795	PJNA306753	USA	2015	188
SRR3047865	PJNA306753	USA	2015	188
SRR3047885	PJNA306753	USA	2015	188
SRR3047953	PJNA306753	USA	2015	188
SRR3048015	PJNA306753	USA	2015	188
SRR3048017	PJNA306753	USA	2015	188

Supplementary file 6: Public genomes showing lane numbers in the Sanger cluster together with accession study project numbers