

Table S2. *Arcobacter* allele numbers and sequence types.

Strain	Other designation	<i>aspA</i>	<i>atpA</i>	<i>glnA</i>	<i>gltA</i>	<i>glyA1</i>	<i>glyA2</i>	<i>pgm</i>	<i>tkt</i>	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
RM4018	ATCC 49616 ^T	1	1	1	1	1	142	1	1	ST-1	<i>butzleri</i>	Human; stool	US (CA)	1990	
14126	456H-2005	2	2	10	10	10	11	11	10	ST-2	<i>butzleri</i>	Human	France	2005	F. Megraud
R-325		2	2	10	10	10	11	11	10	ST-2	<i>butzleri</i>	Human	Belgium		K. Houf
14179	STF-36	2	2	24	27	112	112	35	20	ST-3	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14185	H-02	2	2	1	15	45	11	40	10	ST-4	<i>butzleri</i>	Healthy child's stool	Vietnam	2001	C. Mason, AFRIMS
14186	H-03	2	2	1	15	45	11	40	10	ST-4	<i>butzleri</i>	Healthy child's stool	Vietnam	2001	C. Mason, AFRIMS
14187	H-04	2	2	1	15	45	11	40	10	ST-4	<i>butzleri</i>	Healthy child's stool	Vietnam	2001	C. Mason, AFRIMS
14193	H-10	2	2	1	15	45	11	40	10	ST-4	<i>butzleri</i>	Child's diarrheal stool	Vietnam	2001	C. Mason, AFRIMS
RM4467	NADC 3566	2	2	2	2	11	11	2	2	ST-5	<i>butzleri</i>	Primate	US		I. Wesley, NADC
14107	56-2004	2	2	2	2	11	11	2	2	ST-5	<i>butzleri</i>	Human; stool	France	2004	F. Megraud
14233	LPF-17	2	23	24	19	75	75	60	46	ST-6	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM5529	CDC D1751	2	59	45	15	151	152	113	2	ST-7	<i>butzleri</i>	Human; stool	US (TX)	(c)	Kiehlbauch et al, 1991
RM5538	CDC D2725	3	2	20	30	160	160	107	82	ST-8	<i>butzleri</i>	Human; stool	US (MA)	(c)	Kiehlbauch et al, 1991
14151	STF-08	3	3	3	2	17	18	17	3	ST-9	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14109	78-2004	3	3	3	3	2	2	3	3	ST-10	<i>butzleri</i>	Human; stool	France	2004	F. Megraud
14121	1285-2003	3	6	6	6	6	6	6	5	ST-11	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14159	STF-16	3	17	16	20	25	25	21	7	ST-12	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14224	LPF-08	3	17	17	20	67	67	53	44	ST-13	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM5549	CDC D2784	3	24	2	45	166	166	120	84	ST-14	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5550	CDC D2786	3	24	2	45	166	166	120	84	ST-14	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5554	CDC D2791	3	32	3	34	168	46	44	36	ST-15	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
14194	H-11	3	32	3	34	168	46	44	36	ST-15	<i>butzleri</i>	Child's diarrheal stool	Vietnam	2002	C. Mason, AFRIMS
RM5230	RIGS 15342	3	55	30	15	136	136	104	36	ST-16	<i>butzleri</i>	Human; stool	Denmark	1997	S. On
14112	265H-2004	4	4	4	4	3	3	4	89	ST-17	<i>butzleri</i>	Human; stool	France	2004	F. Megraud
14116	559H-2003	4	4	4	4	3	3	4	89	ST-17	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
RM5235	DVI TU25	4	4	4	4	139	216	4	89	ST-18	<i>butzleri</i>	Turkey	Denmark	2001	On et al., 2004
AB6		4	39	51	64	184	185	125	87	ST-19	<i>butzleri</i>	Bovine	Belgium		K. Houf
AB7		4	39	51	64	184	185	125	87	ST-19	<i>butzleri</i>	Bovine	Belgium		K. Houf
RM5528	CDC D1106	4	58	44	13	190	150	4	89	ST-20	<i>butzleri</i>	Human; stool	US (MT)	(c)	Kiehlbauch et al, 1991
RM4844	NADC 5691	5	5	5	19	121	121	86	10	ST-21	<i>butzleri</i>	Ground pork	US		I. Wesley, NADC
RM4845	NADC 5692	5	5	5	19	121	121	86	10	ST-21	<i>butzleri</i>	Ground pork	US		I. Wesley, NADC
14144	STF-01	5	5	12	12	83	83	13	12	ST-22	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
RM5566	NADC 4496; 13(8/18)	5	5	5	5	179	5	11	4	ST-23	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5592	NADC 4649; 138	5	5	9	5	8	5	50	85	ST-24	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5593	NADC 4652; 155	5	5	9	5	8	5	50	85	ST-24	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5595	NADC 4691; 252	5	5	9	5	8	5	50	85	ST-24	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
14175	STF-32	5	5	1	12	83	83	33	30	ST-25	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14118	1172-2003	5	5	5	5	4	5	5	4	ST-26	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14119	1197-2003	5	5	5	5	4	5	5	4	ST-26	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14120	1188-2003	5	5	5	5	4	5	5	4	ST-26	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14227	LPF-11	5	5	24	37	68	69	2	20	ST-27	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14240	LPF-25	5	5	24	27	79	80	62	20	ST-28	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14241	LPF-26	5	5	24	27	79	80	62	20	ST-28	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14246	LPF-31	5	5	1	12	83	83	64	12	ST-29	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14167	STF-24	5	12	7	9	33	66	7	24	ST-30	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14172	STF-29	5	12	11	26	36	66	30	24	ST-31	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14217	LPF-01	5	12	31	26	66	66	7	43	ST-32	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS

Strain	Other designation	<i>aspA</i>	<i>atpA</i>	<i>glnA</i>	<i>gltA</i>	<i>glyA1</i>	<i>glyA2</i>	<i>pgm</i>	<i>tkt</i>	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
14218	LPF-02	5	12	11	26	60	66	30	24	ST-33	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14223	LPF-07	5	12	7	26	66	66	7	24	ST-34	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14225	LPF-09	5	12	7	26	66	66	7	24	ST-34	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14231	LPF-15	6	2	2	19	73	73	58	20	ST-35	<i>butzleri</i>	Fresh pork sausage	Thailand	2003	C. Mason, AFRIMS
RM4849	NADC 5699	6	5	38	7	144	144	93	13	ST-36	<i>butzleri</i>	Ground pork	US		I. Wesley, NADC
14122	1340-2003	6	5	7	7	7	8	7	6	ST-37	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14200	H-17	6	12	1	12	49	50	49	39	ST-38	<i>butzleri</i>	Child's diarrheal stool	Thailand	2005	C. Mason, AFRIMS
14203	H-20	6	12	1	12	49	50	49	39	ST-38	<i>butzleri</i>	Healthy child's stool	Thailand	2005	C. Mason, AFRIMS
RM4840	NADC 5274	6	20	20	17	118	118	91	23	ST-39	<i>butzleri</i>	Chicken carcass	US		I. Wesley, NADC
RM5212	Lagos 12	6	20	20	17	72	72	26	23	ST-40	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	S. On
14165	STF-22	6	20	20	17	72	72	26	23	ST-40	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14176	STF-33	6	20	20	17	72	38	26	24	ST-41	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14230	LPF-14	6	20	20	41	72	72	26	23	ST-42	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14177	STF-34	6	26	23	19	39	98	34	31	ST-43	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14236	LPF-21	6	26	23	19	98	98	34	31	ST-44	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14202	H-19	6	34	1	12	120	120	50	14	ST-45	<i>butzleri</i>	Healthy child's stool	Thailand	2005	C. Mason, AFRIMS
14123	1407-2003	7	7	7	7	186	186	8	7	ST-46	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14124	1426-2003	8	8	8	8	9	191	9	8	ST-47	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14125	1477-2003	9	5	9	9	120	120	10	9	ST-48	<i>butzleri</i>	Human; stool	France	2003	F. Megraud
14128	CIP 103727	10	9	11	11	12	192	12	11	ST-49	<i>butzleri</i>	Human	France		F. Megraud
RM5564	NADC 4485; 64(7/6)f	10	20	11	19	177	177	123	11	ST-50	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
14239	LPF-24	10	39	1	19	78	78	61	29	ST-51	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM4591	NADC 5256	11	2	11	44	56	56	84	40	ST-52	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM4463	NADC 3554	11	4	1	49	106	106	78	52	ST-53	<i>butzleri</i>	Human	US (CO)		I. Wesley, NADC
14145	STF-02	11	10	11	13	13	13	14	13	ST-54	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14228	LPF-12	11	12	11	19	70	70	24	11	ST-55	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14146	STF-03	12	11	2	14	14	61	8	14	ST-56	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14150	STF-07	12	11	2	14	14	61	8	14	ST-56	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14153	STF-10	12	11	2	14	14	61	8	14	ST-56	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14220	LPF-04	12	11	2	14	14	61	8	14	ST-56	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14149	STF-06	12	11	2	9	61	61	16	16	ST-57	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14147	STF-04	13	12	13	15	15	36	8	6	ST-58	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14154	STF-11	13	12	13	15	15	36	8	6	ST-58	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14148	STF-05	14	13	14	16	16	16	15	15	ST-59	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
RM4473	NADC 3572	14	17	35	51	111	111	82	57	ST-60	<i>butzleri</i>	Human	US (CA)		I. Wesley, NADC
14180	STF-37	14	27	15	28	40	40	36	32	ST-61	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
RM4848	NADC 5698	14	49	26	55	123	123	92	63	ST-62	<i>butzleri</i>	Ground pork	US		I. Wesley, NADC
RM5132		14	50	30	25	152	208	95	64	ST-63	<i>butzleri</i>	Chicken; drumstick	US (CA)	2005	W. Miller, USDA
RM5535	CDC D2576	14	63	26	62	156	156	118	79	ST-64	<i>butzleri</i>	Human; peritoneal fluid	US (CA)	(c)	Kiehlbauch et al, 1991
RM5562	CDC D2280	14	68	50	40	174	174	122	79	ST-65	<i>butzleri</i>	Human; stool	US (TN)	(c)	Kiehlbauch et al, 1991
14152	STF-09	15	10	1	17	19	20	2	13	ST-66	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14155	STF-12	16	14	1	18	147	22	18	12	ST-67	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14183	STF-40	16	14	1	18	43	43	39	12	ST-68	<i>butzleri</i>	Chicken eggs	Thailand	2003	C. Mason, AFRIMS
14156	STF-13	17	15	15	12	23	23	19	17	ST-69	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
14157	STF-14	17	15	15	12	23	23	19	17	ST-69	<i>butzleri</i>	Fresh beef	Thailand	2003	C. Mason, AFRIMS
RM5533	CDC D2563	17	62	46	55	24	24	116	78	ST-70	<i>butzleri</i>	Human; blood	US (MA)	(c)	Kiehlbauch et al, 1991
RM5555	CDC D2828	17	62	26	53	169	169	121	79	ST-71	<i>butzleri</i>	Human; stool	Canada	(c)	Kiehlbauch et al, 1991
14158	STF-15	18	16	11	19	24	24	20	18	ST-72	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS

Strain	Other designation	<i>aspA</i>	<i>atpA</i>	<i>glnA</i>	<i>gltA</i>	<i>glyA1</i>	<i>glyA2</i>	<i>pgm</i>	<i>tkt</i>	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
14164	STF-21	18	16	11	19	24	24	20	18	ST-72	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM5214	Lagos 18	19	17	17	12	67	210	77	65	ST-73	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	On et al., 2004
14160	STF-17	19	17	17	20	26	27	22	19	ST-74	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM5521	CDC D2810	20	2	2	30	143	143	110	71	ST-75	<i>butzleri</i>	Human; stool	US (OH)	(c)	Kiehlbauch et al, 1991
14213	H-30	20	2	11	22	56	56	55	40	ST-76	<i>butzleri</i>	Healthy adult's stool	Thailand	2001	C. Mason, AFRIMS
14257	LPF-42	20	7	25	19	93	93	71	14	ST-77	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
LMG14714		20	7	20	15	186	186	8	14	ST-78	<i>butzleri</i>	Unknown	Greece		
14181	STF-38	20	7	25	17	41	41	37	33	ST-79	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14251	LPF-36	20	7	20	23	186	186	45	37	ST-80	<i>butzleri</i>	Fresh river fish	Thailand	2003	C. Mason, AFRIMS
R-8636		20	12	11	19	189	221	127	88	ST-81	<i>butzleri</i>	Human	Belgium		K. Houf
14161	STF-18	20	18	18	21	28	29	23	20	ST-82	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14195	H-12	20	23	20	23	186	186	45	37	ST-83	<i>butzleri</i>	Child's diarrheal stool	Vietnam	2002	C. Mason, AFRIMS
RM1591	NADC 5377	20	25	7	2	102	196	32	2	ST-84	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
14174	STF-31	20	25	7	2	37	196	32	2	ST-85	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM4470	NADC 3569	20	27	36	48	109	110	81	55	ST-86	<i>butzleri</i>	Primate	US		I. Wesley, NADC
RM4127	SSI 71032	20	39	34	19	104	201	76	51	ST-87	<i>butzleri</i>	Human	Denmark		S. On
RM4471	NADC 3570	20	39	4	11	110	110	63	56	ST-88	<i>butzleri</i>	Primate	US		I. Wesley, NADC
RM4610	NADC 3563	20	39	7	11	187	187	87	55	ST-89	<i>butzleri</i>	Human	US		I. Wesley, NADC
RM5226	Kafkas 22	20	39	19	15	133	187	87	58	ST-90	<i>butzleri</i>	Chicken carcass	Turkey	2000	On et al., 2004
R-14600		20	39	19	15	133	187	87	58	ST-90	<i>butzleri</i>	Chicken carcass	Turkey		K. Houf
R-14606		20	39	19	15	133	187	87	58	ST-90	<i>butzleri</i>	Chicken carcass	Turkey		K. Houf
RM5227	Kafkas 41	20	39	40	19	134	117	102	2	ST-91	<i>butzleri</i>	Chicken carcass	Turkey	2000	On et al., 2004
RM5238	BU13F	20	57	42	30	140	140	107	14	ST-92	<i>butzleri</i>	Poultry feces	UK	1996	S. On
14162	STF-19	21	19	19	22	30	30	24	21	ST-93	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14168	STF-25	21	22	21	24	48	48	27	25	ST-94	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14199	H-16	21	22	21	24	48	48	27	25	ST-94	<i>butzleri</i>	Child's diarrheal stool	Thailand	2004	C. Mason, AFRIMS
14259	LPF-44	21	22	21	24	48	48	27	25	ST-94	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14163	STF-20	22	7	1	14	31	31	25	22	ST-95	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM4479	NADC 9563	23	5	24	2	124	199	35	20	ST-96	<i>butzleri</i>	Turkey carcass	US		I. Wesley, NADC
RM4482	NADC 9566	23	5	24	2	124	199	35	20	ST-96	<i>butzleri</i>	Turkey carcass	US		I. Wesley, NADC
RM5224	Kafkas 7	23	5	24	44	80	112	35	55	ST-97	<i>butzleri</i>	Chicken carcass	Turkey	2000	On et al., 2004
14242	LPF-27	23	5	24	2	81	199	63	20	ST-98	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14254	LPF-39	23	7	1	15	89	90	69	18	ST-99	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM4839	NADC 5273	23	7	11	44	5	5	90	62	ST-100	<i>butzleri</i>	Chicken carcass	US		I. Wesley, NADC
RM5225	Kafkas 10	23	7	41	19	132	132	101	55	ST-101	<i>butzleri</i>	Poultry	Turkey		On et al., 2004
RM5563	NADC 3733; 12934 Kid A lg	23	7	40	15	175	176	26	58	ST-102	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5565	NADC 4486; 80(7/6)	23	7	7	15	178	219	40	58	ST-103	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5579	NADC 3453; 92-6570	23	7	40	15	181	98	102	58	ST-104	<i>butzleri</i>	Unknown	Unknown		I. Wesley, NADC
RM5218	Lagos 34	23	41	33	13	129	35	70	31	ST-105	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	On et al., 2004
14255	LPF-40	23	41	33	13	129	91	70	31	ST-105	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM4480	NADC 9564	23	44	24	2	170	112	62	20	ST-106	<i>butzleri</i>	Turkey carcass	US		I. Wesley, NADC
RM4481	NADC 9565	23	44	24	2	170	112	62	20	ST-106	<i>butzleri</i>	Turkey carcass	US		I. Wesley, NADC
RM4484	NADC 9568	23	44	24	2	170	112	62	20	ST-106	<i>butzleri</i>	Turkey carcass	US		I. Wesley, NADC
RM5231	DVI DU12	23	44	24	2	137	112	62	20	ST-107	<i>butzleri</i>	Duck	Denmark	2001	On et al., 2004
RM5233	DVI 21F	23	44	24	15	124	124	55	20	ST-108	<i>butzleri</i>	Chicken	Denmark	2001	On et al., 2004
RM5236	BU 21C1	23	44	24	15	124	124	55	20	ST-108	<i>butzleri</i>	Poultry	UK	1995	S. On
14169	STF-26	24	23	22	25	34	194	28	26	ST-109	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14170	STF-27	25	3	1	7	35	195	29	27	ST-110	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS

Strain	Other designation	<i>aspA</i>	<i>atpA</i>	<i>glnA</i>	<i>gltA</i>	<i>glyA1</i>	<i>glyA2</i>	<i>pgm</i>	<i>tkt</i>	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
14197	H-14	25	31	26	35	52	52	47	36	ST-111	<i>butzleri</i>	Child's diarrheal stool	Vietnam	2002	C. Mason, AFRIMS
14208	H-25	25	31	26	35	52	52	47	36	ST-111	<i>butzleri</i>	Healthy child's stool	Thailand	2005	C. Mason, AFRIMS
RM5530	CDC D1780	26	11	19	12	153	153	114	75	ST-112	<i>butzleri</i>	Human; abdominal contents	US (MA)	(c)	Kiehlbauch et al, 1991
14171	STF-28	26	24	17	20	67	67	22	28	ST-113	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14256	LPF-41	27	25	7	2	102	92	31	29	ST-114	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14173	STF-30	27	25	7	2	15	92	31	29	ST-115	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14178	STF-35	28	5	7	7	167	167	7	6	ST-116	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
RM5543	CDC D2776	28	5	7	7	120	167	7	6	ST-117	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5551	CDC D2787	28	5	7	7	120	167	7	6	ST-117	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
14189	H-06	28	5	7	7	120	167	7	6	ST-117	<i>butzleri</i>	Healthy child's stool	Vietnam	2002	C. Mason, AFRIMS
14207	H-24	28	5	7	7	120	167	7	6	ST-117	<i>butzleri</i>	Child's diarrheal stool	Thailand	2004	C. Mason, AFRIMS
14219	LPF-03	28	5	7	7	120	167	7	6	ST-117	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14182	STF-39	29	28	26	29	42	197	38	34	ST-118	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
RM4464	NADC 3556	30	5	5	30	120	120	35	4	ST-119	<i>butzleri</i>	Human	US (KS)		I. Wesley, NADC
RM4485	NADC 9569	30	5	5	30	120	120	83	58	ST-120	<i>butzleri</i>	Turkey carcass	US		I. Wesley, NADC
RM5124		30	5	5	30	125	120	35	4	ST-121	<i>butzleri</i>	Chicken; thighs	US (CA)	2005	W. Miller, USDA
RM5126		30	5	5	30	36	120	35	4	ST-122	<i>butzleri</i>	Chicken; breast	US (CA)	2005	W. Miller, USDA
RM5133		30	5	5	30	36	120	35	4	ST-122	<i>butzleri</i>	Chicken; breast	US (CA)	2005	W. Miller, USDA
RM5567	NADC 4498; 18(8/18)f	30	5	9	19	180	120	101	55	ST-123	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5568	NADC 4613; 59	30	5	9	19	180	120	101	55	ST-123	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5591	NADC 4623	30	5	9	19	180	120	101	55	ST-123	<i>butzleri</i>	Swine	US (IA)		I. Wesley, NADC
RM5596	NADC 4712; 219	30	5	9	19	180	120	101	55	ST-123	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
14184	H-01	30	5	5	30	44	120	35	4	ST-124	<i>butzleri</i>	Healthy child's stool	Vietnam	2001	C. Mason, AFRIMS
14188	H-05	30	5	5	30	44	120	35	4	ST-124	<i>butzleri</i>	Healthy child's stool	Vietnam	2001	C. Mason, AFRIMS
RM5545	CDC D2779	31	29	2	31	65	65	41	35	ST-125	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5597	NADC 5258; a11 1/30	31	29	2	31	65	65	41	35	ST-125	<i>butzleri</i>	Poultry	Unknown		I. Wesley, NADC
14190	H-07	31	29	2	31	65	65	41	35	ST-125	<i>butzleri</i>	Healthy child's stool	Vietnam	2002	C. Mason, AFRIMS
RM4465	NADC 3562	31	43	35	15	107	202	79	53	ST-126	<i>butzleri</i>	Human	US (CA)		I. Wesley, NADC
RM4468	NADC 3567	31	43	35	50	108	108	80	54	ST-127	<i>butzleri</i>	Human	US (CA)		I. Wesley, NADC
RM5520	CDC D2778	32	30	11	32	161	161	42	20	ST-128	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5539	CDC D2775	32	30	11	32	161	161	42	20	ST-128	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5553	CDC D2790	32	30	11	32	161	161	42	20	ST-128	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
14191	H-08	32	30	11	32	161	161	42	20	ST-128	<i>butzleri</i>	Healthy child's stool	Vietnam	2002	C. Mason, AFRIMS
RM5546	CDC D2780	33	31	27	33	22	22	43	4	ST-129	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5547	CDC D2782	33	31	27	33	22	22	43	4	ST-129	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5552	CDC D2788	33	31	27	33	22	22	43	4	ST-129	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
14192	H-09	33	31	27	33	22	22	43	4	ST-129	<i>butzleri</i>	Healthy child's stool	Vietnam	2002	C. Mason, AFRIMS
14196	H-13	34	12	2	34	58	58	46	38	ST-130	<i>butzleri</i>	Child's diarrheal stool	Vietnam	2002	C. Mason, AFRIMS
14215	H-32	34	12	2	34	58	58	46	38	ST-130	<i>butzleri</i>	Healthy child's stool	Thailand	2002	C. Mason, AFRIMS
14216	H-33	35	11	2	35	59	59	47	36	ST-131	<i>butzleri</i>	Child's diarrheal stool	Thailand	2003	C. Mason, AFRIMS
RM4843	NADC 5278	35	33	28	36	120	207	48	38	ST-132	<i>butzleri</i>	Chicken carcass	US		I. Wesley, NADC
RM5556	CDC D2829	35	33	28	36	170	218	48	38	ST-133	<i>butzleri</i>	Human; stool	Canada	(c)	Kiehlbauch et al, 1991
14198	H-15	35	33	28	36	47	47	48	38	ST-134	<i>butzleri</i>	Child's diarrheal stool	Vietnam	2002	C. Mason, AFRIMS
14221	LPF-05	35	33	19	20	62	63	48	38	ST-135	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14226	LPF-10	35	33	19	20	62	63	48	38	ST-135	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14234	LPF-19	35	33	28	37	76	198	48	38	ST-136	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14201	H-18	36	3	29	37	87	87	22	4	ST-137	<i>butzleri</i>	Child's diarrheal stool	Thailand	2005	C. Mason, AFRIMS
14204	H-21	36	3	29	37	87	87	22	4	ST-137	<i>butzleri</i>	Healthy child's stool	Thailand	2005	C. Mason, AFRIMS

Strain	Other designation	<i>aspA</i>	<i>atpA</i>	<i>glnA</i>	<i>gltA</i>	<i>glyA1</i>	<i>glyA2</i>	<i>pgm</i>	<i>tkt</i>	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
RM5523	NADC 3297; 4562	37	5	11	30	144	145	16	72	ST-138	<i>butzleri</i>	Human	Unknown		I. Wesley, NADC
RM4129	167.97	37	5	11	17	127	127	16	40	ST-139	<i>butzleri</i>	Human	S. Africa	1997	A. Lastovica
RM5213	Lagos 16	37	5	11	17	127	127	16	40	ST-139	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	S. On
14205	H-22	37	5	11	17	127	127	16	40	ST-139	<i>butzleri</i>	Healthy child's stool	Thailand	2006	C. Mason, AFRIMS
RM3790	29.97	37	7	1	23	103	103	75	33	ST-140	<i>butzleri</i>	Human	S. Africa	1997	A. Lastovica
14248	LPF-33	37	23	26	12	187	187	65	10	ST-141	<i>butzleri</i>	Fresh squid	Thailand	2003	C. Mason, AFRIMS
14229	LPF-13	37	37	32	40	71	71	57	32	ST-142	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM5540	CDC D2907	38	3	24	63	162	162	59	45	ST-143	<i>butzleri</i>	Human; stool	US (MA)	(c)	Kiehlbauch et al, 1991
14206	H-23	38	35	26	7	51	51	51	4	ST-144	<i>butzleri</i>	Child's diarrheal stool	Thailand	2005	C. Mason, AFRIMS
RM5519	CDC D2720	39	5	1	34	107	107	109	38	ST-145	<i>butzleri</i>	Human; stool	US (IN)	(c)	Kiehlbauch et al, 1991
RM5542	CDC D2914	39	5	2	39	164	164	109	38	ST-146	<i>butzleri</i>	Human; stool	US (IA)	(c)	Kiehlbauch et al, 1991
14209	H-26	39	7	17	2	53	53	52	41	ST-147	<i>butzleri</i>	Adult diarrheal stool	Thailand	2002	C. Mason, AFRIMS
14214	H-31	39	33	2	39	57	57	56	38	ST-148	<i>butzleri</i>	Healthy adult's stool	Thailand	2001	C. Mason, AFRIMS
14262	LPF-47	39	41	30	46	99	99	72	40	ST-149	<i>butzleri</i>	Fresh river fish	Thailand	2003	C. Mason, AFRIMS
14263	LPF-48	39	42	27	47	100	200	73	20	ST-150	<i>butzleri</i>	Fresh squid	Thailand	2003	C. Mason, AFRIMS
14210	H-27	40	36	3	38	54	54	53	38	ST-151	<i>butzleri</i>	Adult diarrheal stool	Thailand	2001	C. Mason, AFRIMS
14211	H-28	41	11	30	12	55	55	54	42	ST-152	<i>butzleri</i>	Adult diarrheal stool	Thailand	2001	C. Mason, AFRIMS
14212	H-29	41	11	30	12	55	55	54	42	ST-152	<i>butzleri</i>	Adult diarrheal stool	Thailand	2002	C. Mason, AFRIMS
RM4593	NADC 5259	42	25	7	52	65	65	86	14	ST-153	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
14222	LPF-06	42	25	7	26	64	65	26	2	ST-154	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14232	LPF-16	43	3	2	42	74	74	59	45	ST-155	<i>butzleri</i>	Fresh squid	Thailand	2003	C. Mason, AFRIMS
14235	LPF-20	44	38	1	43	144	77	37	33	ST-156	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14250	LPF-35	44	38	1	12	88	88	67	33	ST-157	<i>butzleri</i>	Fresh river fish	Thailand	2003	C. Mason, AFRIMS
14260	LPF-45	45	25	7	26	96	97	26	2	ST-158	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14238	LPF-23	45	25	7	26	98	97	26	14	ST-159	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14252	LPF-37	45	25	7	26	96	97	26	14	ST-160	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14247	LPF-32	46	2	19	6	25	86	24	11	ST-161	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14243	LPF-28	46	19	19	6	25	82	24	11	ST-162	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
14244	LPF-29	47	7	2	44	83	83	37	47	ST-163	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14245	LPF-30	48	25	1	19	84	85	8	6	ST-164	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14249	LPF-34	49	3	29	37	87	87	66	4	ST-165	<i>butzleri</i>	Fresh shrimp	Thailand	2003	C. Mason, AFRIMS
14253	LPF-38	50	40	19	45	165	165	68	48	ST-166	<i>butzleri</i>	Fresh chicken	Thailand	2003	C. Mason, AFRIMS
RM5548	CDC D2783	50	40	19	12	173	165	68	48	ST-167	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
RM5561	CDC D2785	50	40	19	12	173	165	68	48	ST-167	<i>butzleri</i>	Human; stool	Thailand	(c)	Kiehlbauch et al, 1991
14258	LPF-43	51	16	1	15	94	95	26	49	ST-168	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
14261	LPF-46	52	39	11	19	98	98	58	9	ST-169	<i>butzleri</i>	Fresh pork	Thailand	2003	C. Mason, AFRIMS
RM1588	NADC 5276	53	15	15	48	101	101	74	50	ST-170	<i>butzleri</i>	Chicken	US		I. Wesley, NADC
RM4462	NADC 3553	54	14	33	15	105	105	77	4	ST-171	<i>butzleri</i>	Human	US (TX)		I. Wesley, NADC
RM4592	NADC 5257	55	45	26	48	113	113	85	59	ST-172	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM5531	CDC D2197	55	60	26	40	154	154	79	76	ST-173	<i>butzleri</i>	Human; stool	US (ID)	(c)	Kiehlbauch et al, 1991
RM5537	CDC D2638	55	65	48	55	158	159	38	81	ST-174	<i>butzleri</i>	Human; stool	US (AZ)	(c)	Kiehlbauch et al, 1991
RM4594	NADC 5260	56	2	11	23	114	204	37	20	ST-175	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM4596	NADC 5262	57	46	37	22	115	46	16	31	ST-176	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM4597	NADC 5264	58	41	1	15	116	183	70	6	ST-177	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM4835	NADC 5268	59	47	26	53	117	205	88	60	ST-178	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM4837	NADC 5271	60	15	15	54	183	183	89	61	ST-179	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM5598	NADC 5261; a1 2/5	60	15	15	54	183	183	89	61	ST-179	<i>butzleri</i>	Poultry	Unknown		I. Wesley, NADC
RM4846	NADC 5693	60	15	15	54	122	183	89	61	ST-180	<i>butzleri</i>	Ground pork	US		I. Wesley, NADC

Strain	Other designation	<i>aspA</i>	<i>atpA</i>	<i>glnA</i>	<i>gltA</i>	<i>glyA1</i>	<i>glyA2</i>	<i>pgm</i>	<i>tkt</i>	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
RM4847	NADC 5694	60	15	15	54	122	183	89	61	ST-180	<i>butzleri</i>	Ground pork	US		I. Wesley, NADC
RM4841	NADC 5275	61	48	21	24	119	206	27	25	ST-181	<i>butzleri</i>	Chicken carcass	US		I. Wesley, NADC
RM4842	NADC 5277	61	48	21	24	119	206	27	25	ST-181	<i>butzleri</i>	Chicken carcass	US		I. Wesley, NADC
RM4851	NADC 9134	62	12	39	56	124	124	94	23	ST-182	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM4852	NADC 9135	62	12	39	56	124	124	94	23	ST-182	<i>butzleri</i>	Turkey	US		I. Wesley, NADC
RM5209	Lagos 08	62	12	7	56	124	124	96	23	ST-183	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	On et al., 2004
RM5211	Lagos 11	63	51	21	24	126	209	27	25	ST-184	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	On et al., 2004
RM5216	Lagos 26	64	52	30	17	128	211	20	66	ST-185	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	On et al., 2004
RM5217	Lagos 33	65	53	26	57	137	137	97	67	ST-186	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	On et al., 2004
RM5219	Lagos 35	66	12	40	15	130	212	98	58	ST-187	<i>butzleri</i>	Poultry abattoir effluent	Nigeria	2000	On et al., 2004
RM5221	MEHMET BEYRON	67	13	2	58	87	87	99	68	ST-188	<i>butzleri</i>	Human	Turkey	2003	S. On
RM5223	AYDIN190370	67	13	2	58	87	87	99	68	ST-188	<i>butzleri</i>	Human	Turkey	2003	S. On
RM5222	ALPEREN KARACA	68	54	2	59	131	213	100	69	ST-189	<i>butzleri</i>	Human	Turkey	2003	S. On
RM5229	Kafkas 45	69	2	11	23	135	214	103	70	ST-190	<i>butzleri</i>	Chicken carcass	Turkey	2000	On et al., 2004
RM5237	BU15F	70	56	29	19	120	120	105	6	ST-191	<i>butzleri</i>	Poultry	UK	1995	S. On
RM5234	DVI DU14	71	25	7	2	138	215	106	2	ST-192	<i>butzleri</i>	Duck	Denmark	2000	On et al., 2004
RM5239	SX-347	71	25	7	2	102	215	106	2	ST-193	<i>butzleri</i>	Ovine feces	Sweden	1999	On et al., 2004
RM5240	SX-460	71	25	7	2	102	215	106	2	ST-193	<i>butzleri</i>	Ovine feces	Sweden	1999	On et al., 2004
RM5241	SX-457	71	25	7	2	102	215	106	2	ST-193	<i>butzleri</i>	Ovine feces	Sweden	1999	On et al., 2004
RM5242	SX-735	72	30	43	20	141	217	108	30	ST-194	<i>butzleri</i>	Ovine feces	Sweden	1999	On et al., 2004
RM5522	CDC D2892; 02834	73	2	11	44	146	146	111	40	ST-195	<i>butzleri</i>	Swine; stillborn piglet	N. Ireland	(c)	Kiehlbauch et al, 1991
RM5524	CDC D2885; 04955	73	2	11	44	146	146	111	40	ST-195	<i>butzleri</i>	Aborted swine fetus	N. Ireland	(c)	Kiehlbauch et al, 1991
R-700		73	12	1	65	188	220	10	9	ST-196	<i>butzleri</i>	Human	Germany		K. Houf
RM5525	CDC D2893; 02937	74	8	1	60	147	148	112	73	ST-197	<i>butzleri</i>	Swine; thoracic fluid	Ireland	(c)	Kiehlbauch et al, 1991
RM5526	CDC D2894; 02741	74	8	1	60	147	148	112	73	ST-197	<i>butzleri</i>	Aborted bovine fetus	Ireland	(c)	Kiehlbauch et al, 1991
RM5527	CDC D0232	75	25	30	26	65	149	26	74	ST-198	<i>butzleri</i>	Human; mitral valve	US (GA)	(c)	Kiehlbauch et al, 1991
RM5532	CDC D2451	76	61	26	61	155	155	115	77	ST-199	<i>butzleri</i>	Human; stool	US (IA)	(c)	Kiehlbauch et al, 1991
RM5534	CDC D2568	77	10	24	17	19	19	117	20	ST-200	<i>butzleri</i>	Human; blood	US (FL)	(c)	Kiehlbauch et al, 1991
RM5536	CDC D2630	78	64	47	48	157	157	97	80	ST-201	<i>butzleri</i>	Human; stool	US (WA)	(c)	Kiehlbauch et al, 1991
RM5541	CDC D2901	79	66	11	22	163	163	119	83	ST-202	<i>butzleri</i>	Human; stool	US (CO)	(c)	Kiehlbauch et al, 1991
LMG 15577		80	4	9	12	120	120	126	4	ST-203	<i>butzleri</i>	Adult diarrheal stool	Netherlands	1994	
RM5559	CDC D2685	80	67	49	25	171	172	7	26	ST-204	<i>butzleri</i>	Human; peritoneal fluid	US (CA)	(c)	Kiehlbauch et al, 1991
RM5594	NADC 4669; 202	81	69	26	66	182	182	124	86	ST-205	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM5516	NADC 3156; 11780	37	5	11	30	120	127	16	72	ST-259	<i>butzleri</i>	Swine	Unknown		I. Wesley, NADC
RM4850	NADC 6830	14	49	26	55	144	144	92	13	ST-267	<i>butzleri</i>	Horse	US		I. Wesley, NADC
14166	STF-23	23	21	11	23	32	32	26	143	ST-272	<i>butzleri</i>	Fresh chicken	Thailand		C. Mason, AFRIMS
14130	622H-2004	82	78	59	67	223	ND	133	130	ST-206	<i>cryaerophilus</i>	Human; stool	France	2004	F. Megraud
RM5340	LMG 6622; CCUG 12018	83	70	52	68	249	249	134	97	ST-207	<i>cryaerophilus 1</i>	Aborted swine fetus; kidney	N. Ireland		Vandamme et al., 1992
14132	CCUG 12020	84	71	60	69	225	299	135	92	ST-208	<i>cryaerophilus 1</i>	Aborted swine fetus; eye	N. Ireland	1982	Vandamme et al., 1992
RM1582	CCUG 17801 ^T	85	72	53	70	248	248	128	93	ST-209	<i>cryaerophilus 1</i>	Aborted bovine fetus; brain	N. Ireland	1985	Vandamme et al., 1992
RM6744	NADC 3577; 2601	85	72	53	70	248	248	128	93	ST-209	<i>cryaerophilus</i>	Bovine	Ireland		I. Wesley, NADC
RM4604	NADC 3256	86	79	61	71	265	21	136	98	ST-210	<i>cryaerophilus</i>	Human	Unknown		I. Wesley, NADC
RM4612	NADC 4075	86	79	61	71	265	21	136	98	ST-210	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4832	NADC 4081	86	79	61	71	265	21	136	98	ST-210	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4833	NADC 4082	86	79	61	71	265	21	136	98	ST-210	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5557	CDC D2610; ATCC 49615	86	79	61	71	265	21	136	98	ST-210	<i>cryaerophilus 2</i>	Human; blood	US (IL)		

Strain	Other designation	aspA	atpA	glnA	gltA	glyA1	glyA2	pgm	tkt	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
RM4491	NADC 3014	88	81	63	72	230	230	138	100	ST-211	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4598	NADC 2780	89	79	61	73	231	231	138	101	ST-212	<i>Cryaerophilus</i>	Horse	Unknown		I. Wesley, NADC
RM4599	NADC 2781	89	79	61	73	231	231	138	101	ST-212	<i>Cryaerophilus</i>	Horse	Unknown		I. Wesley, NADC
RM4600	NADC 3017	90	82	61	74	271	193	139	102	ST-213	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5576	NADC 3047; 17466	90	82	61	74	271	193	139	102	ST-213	<i>Cryaerophilus</i>	Swine fetus	Unknown		I. Wesley, NADC
RM4602	NADC 3100	91	81	64	75	233	203	140	103	ST-214	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4605	NADC 3479	93	84	66	73	235	303	142	105	ST-215	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4614	S-1-1	95	87	69	78	238	234	145	107	ST-216	<i>Cryaerophilus</i>	Poultry	US		M. Englen, USDA
RM4616	S-4-1	96	78	70	72	252	252	146	108	ST-217	<i>Cryaerophilus</i>	Poultry	US		M. Englen, USDA
RM4617	S-3-1	97	88	71	73	239	239	147	109	ST-218	<i>Cryaerophilus</i>	Poultry	US		M. Englen, USDA
RM4622	C-2-1	98	89	83	104	240	243	148	110	ST-219	<i>Cryaerophilus</i>	Poultry	US		M. Englen, USDA
RM4826	NADC 3578	99	73	54	79	250	251	129	94	ST-220	<i>Cryaerophilus</i>	Bovine	Unknown		I. Wesley, NADC
RM5341	LMG 9905	99	73	54	79	250	251	129	94	ST-220	<i>Cryaerophilus</i> 1	Aborted bovine fetus; kidney	N. Ireland	1990	Vandamme et al., 1992
RM5585	NADC 3592; 2912	99	73	58	79	281	281	129	94	ST-221	<i>Cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM4827	NADC 3588	100	74	90	80	241	242	149	111	ST-222	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5342	CCUG 17802	100	74	90	80	252	242	149	111	ST-223	<i>Cryaerophilus</i> 2	Aborted bovine fetus	N. Ireland	1985	Vandamme et al., 1992
RM4829	NADC 3598	102	71	73	82	244	245	151	113	ST-224	<i>Cryaerophilus</i>	Bovine	Unknown		I. Wesley, NADC
RM4831	NADC 3603	102	71	73	82	244	245	151	113	ST-224	<i>Cryaerophilus</i>	Bovine	Unknown		I. Wesley, NADC
RM5344		103	91	75	72	254	306	153	114	ST-225	<i>Cryaerophilus</i>	Unknown	Unknown		W. Miller, USDA
RM5558	CDC D2639	104	92	76	84	266	272	154	115	ST-226	<i>Cryaerophilus</i>	Human; stool	US (IA)	(c)	Kiehlbauch et al, 1991
RM5573	NADC 2706; 90-161	105	82	77	74	267	267	155	116	ST-227	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5574	NADC 2734; 90-162	106	93	61	71	268	268	166	117	ST-228	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5575	NADC 3046; 16238	107	81	62	85	269	274	156	118	ST-229	<i>Cryaerophilus</i>	Swine fetus	Unknown		I. Wesley, NADC
RM5577	NADC 3155; 4166	108	94	78	71	273	285	157	119	ST-230	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5578	NADC 3580; 2736	109	75	55	86	275	275	130	95	ST-231	<i>Cryaerophilus</i>	Bovine	Ireland		I. Wesley, NADC
RM5583	NADC 3586; 2789	112	76	57	89	279	312	132	96	ST-232	<i>Cryaerophilus</i>	Bovine	Ireland		I. Wesley, NADC
AC10		113	71	82	95	291	ND	165	127	ST-233	<i>Cryaerophilus</i>	Bovine	Belgium		K. Houf
RM5584	NADC 3591; 2931	113	77	79	90	280	280	159	121	ST-234	<i>Cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM5586	NADC 3732; 12934 Kid A sm	114	88	76	91	284	313	160	122	ST-235	<i>Cryaerophilus</i>	Swine	US (IA)		I. Wesley, NADC
RM5589	NADC 4002; 2749-22	114	88	76	91	284	313	160	122	ST-235	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5587	NADC 3738; 23575 B SC	115	93	80	92	282	282	161	123	ST-236	<i>Cryaerophilus</i>	Swine	US (IA)		I. Wesley, NADC
RM5588	NADC 3873; 3326	116	95	99	93	289	290	162	124	ST-237	<i>Cryaerophilus</i>	Swine	US (IA)		I. Wesley, NADC
RM5601	NADC 3876; 5069	116	95	99	93	289	290	162	124	ST-237	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5602	NADC 4006; 5069 Kid B	116	95	99	93	289	290	162	124	ST-237	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5599	NADC 3739; 24095 A SC	117	92	81	94	287	314	164	126	ST-238	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4608	NADC 3482	125	86	68	77	237	237	144	106	ST-239	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4490	NADC 3012	87	80	62	72	229	229	137	99	ST-264	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4603	NADC 3144	92	83	65	76	232	228	141	104	ST-265	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM4828	NADC 3596	101	90	72	81	270	246	150	112	ST-266	<i>Cryaerophilus</i>	Bovine	Unknown		I. Wesley, NADC
RM5343	DVI DU13	138	79	74	83	253	305	152	128	ST-268	<i>Cryaerophilus</i> 2	Duck cloaca	Denmark	2000	On et al., 2003
RM5580	NADC 3576; 2602	110	85	67	87	276	277	158	120	ST-269	<i>Cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM5582	NADC 3584; 2831	111	76	56	88	278	311	131	94	ST-270	<i>Cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM5590	NADC 4623; 108	108	93	65	71	285	286	163	125	ST-271	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM5600	NADC 3870; 2749 (6/4)	108	93	65	71	285	286	163	125	ST-271	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM6739	NADC 3048; 16247	139	114	64	114	288	283	138	144	ST-274	<i>Cryaerophilus</i>	Swine fetus	Unknown		I. Wesley, NADC
RM6740	NADC 3097; 90-26284	140	115	103	115	302	300	181	145	ST-275	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM6741	NADC 3098; 90-10146	141	116	61	116	315	315	182	98	ST-276	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM6742	NADC 3158; 17576 B2	142	117	61	117	317	316	183	146	ST-277	<i>Cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC

Strain	Other designation	<i>aspA</i>	<i>atpA</i>	<i>glnA</i>	<i>gltA</i>	<i>glyA1</i>	<i>glyA2</i>	<i>pgm</i>	<i>tkt</i>	ST	Species	Source	Country (State)	Year	Depositor ^a /Reference ^b
RM6743	NADC 3162; F22261	143	78	104	72	265	265	154	147	ST-278	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM6745	NADC 3582; 2737	144	78	105	74	318	318	184	148	ST-279	<i>cryaerophilus</i>	Bovine	Ireland		I. Wesley, NADC
RM6746	NADC 3585; 2782	102	118	60	69	320	319	185	149	ST-280	<i>cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM6747	NADC 3587; 2781	145	71	106	80	322	321	186	150	ST-281	<i>cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM6748	NADC 3595; 2778	110	85	67	87	324	323	158	120	ST-282	<i>cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM6749	NADC 3597; 2752	101	119	107	118	326	325	187	97	ST-283	<i>cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM6750	NADC 3599; 2749	146	120	108	85	328	327	188	151	ST-284	<i>cryaerophilus</i>	Bovine	Ireland		I. Wesley, NADC
RM6751	NADC 3600; 2770	110	85	67	87	330	329	158	120	ST-285	<i>cryaerophilus</i>	Bovine	Ireland		I. Wesley, NADC
RM6752	NADC 3601; 2796	147	121	109	81	332	331	189	152	ST-286	<i>cryaerophilus</i>	Swine	Ireland		I. Wesley, NADC
RM6753	NADC 3652; 23575 A Kid	93	84	110	119	334	333	190	153	ST-287	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM6754	NADC 3730; 12310 Kid A	148	78	111	74	336	335	191	154	ST-288	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM6755	NADC 4005; 3161-22	140	115	70	115	302	300	181	155	ST-289	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
RM6757	NADC 5269	149	122	112	120	338	337	192	156	ST-290	<i>cryaerophilus</i>	Turkey	US (IA)		I. Wesley, NADC
RM4607	NADC 3481	94	85	67	121	236	236	143	129	ST-291	<i>cryaerophilus</i>	Swine	Unknown		I. Wesley, NADC
LMG 10238		73	104	1	101	295	ND	171	137	ST-243	<i>skirrowii</i>	Calf with hemorrhagic colitis	Canada	1990	Vandamme et al., 1992
14127		122	99	87	101	226	222	169	132	ST-244	<i>skirrowii</i>	Pig	N. Ireland		
RM3223	ATCC 51400, LMG 8538	122	100	87	102	222	222	169	132	ST-245	<i>skirrowii</i>	Bovine	Unknown	1979	Vandamme et al., 1992
RM5406	BU 30CC 2B1	126	102	92	105	259	307	171	134	ST-246	<i>skirrowii</i>	Chicken carcass	UK		On et al., 2003
RM5409	BU 30CC 8B1	126	102	92	105	259	307	171	134	ST-246	<i>skirrowii</i>	Chicken carcass	UK		On et al., 2003
RM5407	DVI DU6CL	127	103	93	106	257	257	172	135	ST-247	<i>skirrowii</i>	Duck cloaca	Denmark	2000	On et al., 2003
RM5408	DVI DU1CL	128	104	94	101	258	258	169	139	ST-248	<i>skirrowii</i>	Duck cloaca	Denmark	2000	On et al., 2003
RM5413	16459	129	106	96	101	262	262	174	134	ST-249	<i>skirrowii</i>	Pig abortion	Denmark	1996	On et al., 2003
RM5424	16746-2	130	107	97	108	263	310	178	132	ST-250	<i>skirrowii</i>	Pig abortion	Denmark	1996	On et al., 2003
LMG 11075		131	108	100	101	296	ND	175	132	ST-251	<i>skirrowii</i>	Bull, preputial fluid	Belgium	1991	Vandamme et al., 1992
LMG 14983	CDC D4238	132	109	101	109	297	297	176	138	ST-252	<i>skirrowii</i>	Bull, preputial washing	US (NM)	1994	
LMG 9911		133	110	102	101	298	298	177	137	ST-253	<i>skirrowii</i>	Aborted swine fetus	N. Ireland	1990	Vandamme et al., 1992
RM5410	16854-1	134	105	95	107	260	308	173	136	ST-254	<i>skirrowii</i>	Pig abortion	Denmark		On et al., 2003
RM3222	NADC 3524, CCUG 10374 ^T	122	100	87	101	226	222	169	132	ST-260	<i>skirrowii</i>	Lamb feces	UK	1980	Vandamme et al., 1992
RM3274	LMG 10234	123	101	88	103	227	301	169	132	ST-261	<i>skirrowii</i>	Aborted swine fetus	Canada	1990	Vandamme et al., 1992
RM5347	DVI DU3CL1	135	111	91	110	255	256	179	142	ST-255	<i>thereius</i>	Duck cloaca	Denmark	2000	On et al., 2003
RM5348	16389; LMG 24486 ^T	135	111	91	111	255	256	179	142	ST-256	<i>thereius</i>	Pig abortion	Denmark	1998	On et al., 2003
RM5412	16695-3; LMG 24487	136	112	95	112	261	309	180	141	ST-257	<i>thereius</i>	Pig abortion	Denmark	1998	On et al., 2003
RM5517	NADC 3159; 26819	137	113	98	113	264	264	180	141	ST-262	<i>thereius</i>	Swine	Unknown		I. Wesley, NADC
RM5243	KH1	119	96	84	97	247	304	167	131	ST-240	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	K. Houf
RM5244	LMG 21996 ^T	119	96	84	97	247	247	167	131	ST-240	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	Houf et al., 2005
RM5245	LMG 21997	119	96	84	97	247	304	167	131	ST-240	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	Houf et al., 2005
RM5246	KH4	119	96	84	97	247	304	167	131	ST-240	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	K. Houf
RM5248	LMG 21998	119	96	84	98	247	247	168	90	ST-241	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	Houf et al., 2005
CIB743		119	96	84	99	294	247	168	91	ST-242	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	K. Houf
CIB747		119	96	84	99	294	304	167	91	ST-263	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	K. Houf
CIB755		119	96	84	97	247	247	167	157	ST-273	<i>cibarius</i>	Chicken; broiler skin	Belgium	2002	K. Houf

Cryaerophilus alleles that represent the minor clade at the *atp*, *gln*, *pgm* and *tkl* loci are shaded in orange. *glyA* genes with different alleles at each locus are shaded in gray. *glyA2* alleles are included in

a. NADC: National Animal Disease Center, Ames, IA; AFRIMS: Armed Forces Research Institute of Medical Sciences, Bangkok, Thailand

b. Kiehlbauch et al., 1991: Kiehlbauch, JA et al. "*Campylobacter butzleri* sp. nov. isolated from humans and animals with diarrheal illness." J Clin Microbiol. 1991. **29**:376-85.

On et al., 2003: On, SL et al., "Differentiation of *Arcobacter* species by numerical analysis of AFLP profiles and description of a novel *Arcobacter* from pig abortions and turkey faeces." J Appl Microbiol. 2003. **95**:1096-105.

On et al., 2004: On, SL et al., "Genotyping and genetic diversity of *Arcobacter butzleri* by amplified fragment length polymorphism (AFLP) analysis." Lett Appl Microbiol. 2004. **39**:347-52.

Vandamme et al., 1992: Vandamme, P et al., "Polyphasic taxonomic study of the emended genus *Arcobacter* with *Arcobacter butzleri* comb. nov. and *Arcobacter skirrowii* sp. nov., an aerotolerant bacterium isolated from veterinary specimens." Int J Syst Bacteriol. 1992. **42**:344-56.

c. Strains from Kiehlbauch et al., 1991 were isolated between 1975 and 1989.