

Table S1. Strains used in this study, ordered by species/genogroup

Species / Genogroup	Isolate	Source-Year Isolated	ST	Allelic profile						
				<i>nusA</i>	<i>rpoB</i>	<i>eno</i>	<i>gltB</i>	<i>lepA</i>	<i>nuoL</i>	<i>nrdA</i>
<i>A. denitrificans</i>	AU13161	Non CF sputum-2007	102	44	62	64	50	36	32	45
<i>A. denitrificans</i>	LMG 1231 ^T	Soil	102	44	62	64	50	36	32	45
<i>A. denitrificans</i>	LMG 1860	Urine, France	103	44	63	64	50	36	32	46
<i>A. insolitus</i>	AU2523	Non CF sputum-2000	97	41	69	48	24	25	35	36
<i>A. insolitus</i>	AU8059	CF sputum-2004	92	40	68	47	24	25	35	37
<i>A. insolitus</i>	AU8560	CF sputum-2005	91	40	68	47	24	27	35	41
<i>A. insolitus</i>	AU10038	Non CF sputum-2005	96	41	68	48	24	27	35	36
<i>A. insolitus</i>	AU10726	CF sputum-2006	93	40	68	48	24	26	35	40
<i>A. insolitus</i>	AU14186	CF sputum-2007	94	40	68	48	24	28	35	42
<i>A. insolitus</i>	AU14524	CF sputum-2007	89	40	65	50	24	25	36	43
<i>A. insolitus</i>	LMG 5997	Laboratory sink	88	40	64	49	24	27	35	42
<i>A. insolitus</i>	LMG 5999	Wound	95	40	70	45	24	25	35	38
<i>A. insolitus</i>	LMG 6000	Urine	88	40	64	49	24	27	35	42
<i>A. insolitus</i>	LMG 6001	-----	90	40	67	46	24	27	35	42
<i>A. insolitus</i>	LMG 6010	-----	98	41	69	48	24	25	35	40
<i>A. insolitus</i>	LMG 6003 ^T	Leg wound	99	42	66	46	24	25	37	39
<i>A. marplatensis</i>	LMG 3439	Disinfectant, France	29	15	44	5	3	66	6	8
<i>A. marplatensis</i>	LMG 26219 ^T	PCP-cont. soil, Argentina	29	15	44	5	3	66	6	8
<i>A. marplatensis</i>	R-9501	CF sputum, Sweden-1999	22	10	43	6	2	65	5	7
<i>A. marplatensis</i>	R-14663	CF sputum, Italy-2001	22	10	43	6	2	65	5	7
<i>A. marplatensis</i>	R-20635	CF sputum, Belgium-2003	22	10	43	6	2	65	5	7
<i>A. piechaudii</i>	AU20021	Non CF BAL-2010	120	58	1	51	35	4	49	62
<i>A. piechaudii</i>	LMG 1861	Soil	123	60	1	51	36	1	49	62
<i>A. piechaudii</i>	LMG 1873 ^T	Pharynx	122	59	1	52	34	5	48	63
<i>A. piechaudii</i>	LMG 2828	Contaminant, Denmark	122	59	1	52	34	5	48	63
<i>A. piechaudii</i>	LMG 6100	Nose wound, France	119	58	1	51	37	2	50	63
<i>A. piechaudii</i>	LMG 6101	Blood, UK	120	58	1	51	35	4	49	62
<i>A. piechaudii</i>	LMG 6102	Dublin Ireland	121	58	1	52	37	3	49	62
<i>A. piechaudii</i>	LMG 6103	Nose, UK	122	59	1	52	34	5	48	63

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<i>A. ruhlandii</i>	AU0120	Non CF sputum-1998	35	17	31	25	7	46	15	11
<i>A. ruhlandii</i>	AU7804	Non CF sputum-2004	36	17	31	27	16	43	19	11
<i>A. ruhlandii</i>	AU9217	Non CF sputum-2005	34	17	31	23	15	45	8	11
<i>A. ruhlandii</i>	AU12728	Non CF sputum-2007	33	17	28	24	5	46	19	13
<i>A. ruhlandii</i>	AU13697	CF sputum-2007	39	18	32	24	5	46	19	11
<i>A. ruhlandii</i>	AU14072	Non CF sputum-2007	38	17	36	23	16	46	19	10
<i>A. ruhlandii</i>	AU14334	Non CF sputum-2007	32	17	28	23	16	42	18	14
<i>A. ruhlandii</i>	AU19136	CF sputum-2009	39	18	32	24	5	46	19	11
<i>A. ruhlandii</i>	AU19378	Non CF sputum-2009	38	17	36	23	16	46	19	10
<i>A. ruhlandii</i>	AU19440	CF sputum-2009	31	16	30	29	16	46	19	10
<i>A. ruhlandii</i>	AU19877	CF sputum-2010	42	19	29	26	16	42	18	10
<i>A. ruhlandii</i>	AU19911	CF Throat-2010	41	19	28	23	15	46	19	10
<i>A. ruhlandii</i>	AU19929	CF sputum-2010	40	19	28	22	16	46	19	11
<i>A. ruhlandii</i>	LMG 1864	Ear discharge, Japan	37	17	32	26	16	44	19	15
<i>A. ruhlandii</i>	LMG 1866 ^T	Soil	30	16	28	26	14	46	19	10
<i>A. ruhlandii</i>	LMG 3328	Blood, France	43	19	33	5	15	47	19	12
<i>A. spanius</i>	ATCC 337	Ropy milk	112	52	3	16	38	8	53	55
<i>A. spanius</i>	AU15053	Non CF sputum-2008	115	54	5	57	40	9	54	55
<i>A. spanius</i>	AU19465	Non CF sputum-2009	114	54	3	56	39	11	55	55
<i>A. spanius</i>	AU19843	CF sputum-2010	113	53	3	57	39	10	56	56
<i>A. spanius</i>	LMG 14525	NY, USA	112	52	3	16	38	8	53	55
<i>A. spanius</i>	LMG 5896	-----	112	52	3	16	38	8	53	55
<i>A. spanius</i>	LMG 5909	-----	112	52	3	16	38	8	53	55
<i>A. spanius</i>	LMG 5911 ^T	Blood	112	52	3	16	38	8	53	55
<i>A. species*</i>	A8	Contaminated soil	87	39	16	62	29	37	31	35
<i>A. xylosoxidans</i>	ATCC 9220	Sepsis	20	8	26	2	4	59	8	2
<i>A. xylosoxidans</i>	AU2687a	Non CF sputum-2001	24	12	39	8	1	59	1	2
<i>A. xylosoxidans</i>	AU2791	CF sputum-2001	9	2	27	14	2	64	7	2
<i>A. xylosoxidans</i>	AU8073	Non CF sputum-2004	28	14	40	2	2	59	8	2
<i>A. xylosoxidans</i>	AU12107	CF sputum-2006	25	12	39	8	1	59	14	2
<i>A. xylosoxidans</i>	AU12168	CF sputum-2006	11	4	21	2	4	61	8	2
<i>A. xylosoxidans</i>	AU12688	Non CF sputum-2007	19	7	21	2	2	62	8	2
<i>A. xylosoxidans</i>	AU12702	Non CF sputum-2007	12	5	21	2	2	59	8	2
<i>A. xylosoxidans</i>	AU14252	Non CF sputum-2007	27	14	26	2	2	59	13	3

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				<i>nusA</i>	<i>rpoB</i>	<i>eno</i>	<i>gltB</i>	<i>lepA</i>	<i>nuoL</i>	<i>nrdA</i>
<i>A. xylosoxidans</i>	AU18049	CF sputum-2009	17	6	26	3	2	60	8	2
<i>A. xylosoxidans</i>	AU18102	CF BAL-2009	18	6	26	4	2	63	4	2
<i>A. xylosoxidans</i>	AU18742	CF sputum-2009	10	3	26	2	5	59	8	2
<i>A. xylosoxidans</i>	AU19139	CF sputum-2009	6	1	37	1	1	62	9	1
<i>A. xylosoxidans</i>	AU19264	CF Throat-2009	5	1	26	7	2	59	3	2
<i>A. xylosoxidans</i>	AU19284	CF bronchial tissue-2009	16	6	26	2	2	59	8	1
<i>A. xylosoxidans</i>	AU19422	CF sputum-2009	1	1	26	2	2	59	8	1
<i>A. xylosoxidans</i>	AU19472	Non CF sputum-2010	3	1	26	2	2	62	8	1
<i>A. xylosoxidans</i>	AU19487	CF sputum-2009	13	6	21	2	2	59	8	2
<i>A. xylosoxidans</i>	AU19594	CF sputum-2010	14	6	21	8	2	59	8	2
<i>A. xylosoxidans</i>	AU19635	CF sputum-2010	8	2	22	2	4	59	8	1
<i>A. xylosoxidans</i>	AU19836	CF Throat-2010	2	1	26	2	4	59	2	5
<i>A. xylosoxidans</i>	AU19839	Non CF sputum-2010	21	9	26	15	2	62	8	1
<i>A. xylosoxidans</i>	AU20063	CF Throat-2010	15	6	21	8	2	59	2	4
<i>A. xylosoxidans</i>	C54	-----	7	1	46	2	4	62	8	2
<i>A. xylosoxidans</i>	LMG 1863 ^T	Ear discharge, Japan	20	8	26	2	4	59	8	2
<i>A. xylosoxidans</i>	LMG 3425	Ear discharge, Japan	4	1	26	2	2	68	8	1
<i>A. xylosoxidans</i>	LMG 3440	Sputum, France	26	13	37	1	1	59	4	3
<i>A. genogroup 1</i>	AU12822	Non CF sputum-2007	116	55	4	68	41	12	64	70
<i>A. genogroup 2a</i>	AU11681	CF sputum-2006	60	26	47	13	10	53	14	21
<i>A. genogroup 2a</i>	AU14935	Non CF sputum-2008	58	24	49	14	8	53	16	21
<i>A. genogroup 2a</i>	AU15197	Non CF sputum-2008	57	23	50	14	11	54	14	22
<i>A. genogroup 2a</i>	AU15210	Non CF sputum-2008	60	26	47	13	10	53	14	21
<i>A. genogroup 2a</i>	AU18627	Non CF sputum-2009	59	25	47	13	9	55	16	22
<i>A. genogroup 2a</i>	AU19467	CF sputum-2010	56	23	48	14	10	56	14	21
<i>A. genogroup 2b</i>	AU6871	Non CF sputum-2004	65	28	53	20	20	57	24	18
<i>A. genogroup 2b</i>	AU18552	CF sputum-2009	61	27	41	18	18	57	23	20
<i>A. genogroup 2b</i>	AU20018	Non CF sputum-2010	62	27	54	21	18	58	25	19
<i>A. genogroup 2b</i>	AU20298	CF sputum-2010	63	28	51	19	19	57	23	19
<i>A. genogroup 2b</i>	AXX-A	Clinical isolate, France	64	28	52	20	18	57	23	19
<i>A. genogroup 3</i>	AU1989	Non CF sputum-2000	68	29	19	17	42	39	27	23
<i>A. genogroup 3</i>	AU7036	CF Throat-2004	69	29	20	17	21	40	27	23
<i>A. genogroup 3</i>	AU13474	CF sputum-2007	67	29	19	17	23	39	27	23
<i>A. genogroup 3</i>	AU14990	CF sputum-2007	66	29	19	17	22	39	27	23

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A. genogroup 3	AU19796	CF sputum-2010	70	30	19	17	21	39	27	24
A. genogroup 4	AU7477	Non CF epiglottis-2004	104	45	60	31	43	18	41	49
A. genogroup 4	AU13054	Non CF sputum-2007	106	47	61	32	45	20	40	47
A. genogroup 4	AU13830	Non CF sputum-2007	107	48	58	33	46	21	38	53
A. genogroup 4	AU18330	CF sputum-2009	105	46	58	31	44	19	39	48
A. genogroup 4	AU20026	Non CF sputum-2010	108	48	59	33	47	22	38	54
A. genogroup 5a	AU6228	Non CF sputum-2003	76	32	15	41	31	31	28	30
A. genogroup 5a	AU13362	CF sputum-2007	72	32	15	38	31	29	28	29
A. genogroup 5a	AU13747	Non CF sputum-2007	80	34	15	40	31	30	28	31
A. genogroup 5a	AU14141	CF sputum-2007	81	34	18	42	31	31	28	26
A. genogroup 5a	AU14976	CF Throat-2008	74	32	15	38	31	31	28	28
A. genogroup 5a	AU15700	CF sputum-2008	73	32	15	38	30	31	28	27
A. genogroup 5a	AU15974	CF Throat-2008	75	32	15	40	31	30	28	31
A. genogroup 5a	AU16025	Non CF sputum-2008	79	34	15	39	30	31	28	26
A. genogroup 5a	AU19513	CF sputum-2010	73	32	15	38	30	31	28	27
A. genogroup 5a	AU19582	CF sputum-2010	77	33	15	40	31	32	28	29
A. genogroup 5a	AU19970	Non CF sputum-2010	78	34	15	38	31	31	28	28
A. genogroup 5b	AU6685	Non CF sputum-2004	82	35	12	43	25	34	30	32
A. genogroup 5b	AU14421	Non CF sputum-2007	85	37	17	43	26	33	30	34
A. genogroup 5b	AU14804	CF sputum-2007	84	37	14	43	26	33	29	34
A. genogroup 5b	AU18325	Non CF sputum-2009	83	36	14	44	25	33	29	34
A. genogroup 5b	AU20523	CF sputum-2010	86	38	12	43	27	35	29	33
A. genogroup 6	AU12507	CF sputum-2006	109	49	57	36	51	23	42	50
A. genogroup 6	AU15230	Non CF sputum-2008	111	51	55	34	52	24	43	52
A. genogroup 6	AU18677	CF Throat-2009	110	50	56	35	53	24	44	51
A. genogroup 7	AU11412	CF sputum-2006	100	43	13	63	28	38	33	44
A. genogroup 7	R-17672	Sludge, Belgium-2002	101	43	13	63	28	38	34	44
A. genogroup 8	AU7480	Non CF sputum-2004	129	62	2	60	32	13	58	59
A. genogroup 8	AU8308	Non CF sputum-2004	128	62	1	61	33	13	58	60
A. genogroup 8	AU12040	Non CF sputum-2006	127	62	1	60	33	14	58	61
A. genogroup 8	AU18934	CF sputum-2009	129	62	2	60	32	13	58	59

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				<i>nusA</i>	<i>rpoB</i>	<i>eno</i>	<i>gltB</i>	<i>lepA</i>	<i>nuoL</i>	<i>nrdA</i>
A. genogroup 9	AU2522	Non CF sputum-2000	117	56	6	53	42	6	51	57
A. genogroup 9	AU20723	Non CF sputum-2010	118	57	7	54	42	7	52	58
A. genogroup 10	AU14580	Non CF sputum-2007	124	61	8	58	48	15	45	64
A. genogroup 10	AU14864	Non CF sputum-2008	126	61	10	59	49	16	47	64
A. genogroup 10	AU19451	Non CF sputum-2009	125	61	9	58	48	17	46	64
A. genogroup 11	R-11537	CF sputum, Belgium-2000	44	20	41	9	12	69	20	16
A. genogroup 11	R-16443	CF sputum, Belgium-2001	46	20	42	10	12	69	21	17
A. genogroup 11	R-17193	CF sputum, Belgium-2000	45	20	41	9	12	69	22	16
A. genogroup 12	LMG 7050	Blood transfusion, UK	71	31	11	37	13	41	26	25
A. genogroup 12	LMG 7051	Blood culture, UK	71	31	11	37	13	41	26	25
A. genogroup 13	AU14696	CF sputum-2007	23	11	45	30	17	67	22	6
A. genogroup 14	AU4012	Non CF sputum-2002	49	22	23	11	7	50	11	9
A. genogroup 14	AU8055	CF sputum-2004	53	22	34	12	7	48	8	10
A. genogroup 14	AU8628	CF sputum-2005	48	21	34	28	7	50	8	9
A. genogroup 14	AU14005	Non CF sputum-2007	55	22	38	28	6	48	12	9
A. genogroup 14	AU14244	CF sputum-2007	47	21	25	12	7	49	11	9
A. genogroup 14	AU19690	CF sputum-2010	52	22	24	11	7	48	8	9
A. genogroup 14	AU20086	CF sputum-2010	51	22	23	12	7	51	11	9
A. genogroup 14	AU20153	CF sputum-2010	55	22	38	28	6	48	12	9
A. genogroup 14	AU20277	CF sputum-2010	55	22	38	28	6	48	12	9
A. genogroup 14	AU20310	CF sputum-2010	50	22	23	11	7	52	10	9
A. genogroup 14	HI4316	Non CF-2008	54	22	35	26	7	48	17	10

* *Achromobacter* species strain A8 divergence from its nearest neighbors does not allow for definitive placement into one of the other genogroups or its assignment as a distinct genogroup

TABLE S2. I_A for *Achromobacter* species and MLST genogroups

Species / genogroup	No. strains	ST's	Observed variance	Expected variance	Standardized I_A	Maximum trial variance ^a	Linkage disequilibrium
<i>Achromobacter xylosoxidans</i>	27		1.9973	1.4920	0.0564	0.0370	Significant
		26	1.9470	1.4775	0.0530	0.0388	Significant
<i>Achromobacter ruhlandii</i>	16		1.5437	1.3207	0.0281	0.0400	Significant
		14	1.1433	1.2788	---	0.0505	Significant
<i>Achromobacter denitrificans</i>	3		1.3333	0.4444	0.3333	0.2164	Significant
		2	---	---	---	---	---
<i>Achromobacter insolitus</i>	13		1.4519	1.0368	0.0667	0.0399	Significant
		12	1.2655	1.0406	0.0360	0.0471	Significant
<i>Achromobacter piechaudii</i>	8		4.0780	1.1952	0.4200	0.0966	Significant
		5	1.1670	0.9900	0.0297	0.1909	Significant
<i>Achromobacter spanius</i>	8		7.6548	1.5497	0.6566	0.3204	Significant
		4	0.3000	0.9167	---	0.4004	Not significant
<i>Achromobacter marplatensis</i>	5		13.0667	1.6800	1.1296	0.9358	Significant
		2	---	---	---	---	---
<i>Achromobacter</i> genogroup 2	11		1.9576	0.7914	0.2456	0.0207	Significant
		10	1.3000	0.6943	0.1454	0.0178	Significant
<i>A.</i> genogroup 2a	6		2.6381	1.3333	0.1631	0.2295	Significant
		5	0.9333	1.0800	---	0.2979	Significant
<i>A.</i> genogroup 2b	5		1.3333	1.2000	0.0185	0.3827	Significant
		5	1.3333	1.2000	0.0185	0.3827	Significant
<i>Achromobacter</i> genogroup 3	5		1.1667	1.0500	0.0185	0.4716	Significant
		5	1.1667	1.0500	0.0185	0.4716	Significant
<i>Achromobacter</i> genogroup 4	5		0.9444	0.4300	1.1960	0.0419	Significant
		5	0.9444	0.4300	1.1960	0.0419	Significant
<i>Achromobacter</i> genogroup 5	16		3.4111	1.1660	0.3209	0.0332	Significant
		15	3.1973	1.1238	0.3075	0.0312	Significant
<i>A.</i> genogroup 5a	11		1.3515	1.1002	0.0381	0.0498	Significant
		10	1.1364	1.0440	0.0148	0.0590	Significant
<i>A.</i> genogroup 5b	5		1.8778	1.3100	0.0722	0.3368	Significant
		5	1.8778	1.3100	0.0722	0.3368	Significant

Species / genogroup	No. strains	ST's	Observed variance	Expected variance	Standardized I_A	Maximum trial variance	Linkage disequilibrium
<i>Achromobacter</i> genogroup 6	3		0.3333	0.2222	0.0833	0.0000	Significant
		3	0.3333	0.2222	0.0833	0.0000	Significant
<i>Achromobacter</i> genogroup 8	4		2.5667	1.0833	0.2282	0.4049	Significant
		3	0.3333	0.8889	---	1.2584	Not Significant
<i>Achromobacter</i> genogroup 10	3		1.3333	0.4444	0.3333	0.2185	Significant
		3	1.3333	0.4444	0.3333	0.2185	Significant
<i>Achromobacter</i> genogroup 11	3		3.0000	0.6667	0.5833	0.6111	Significant
		3	3.0000	0.6667	0.5833	0.6111	Significant
<i>Achromobacter</i> genogroup 14	11		1.9508	1.3111	0.0813	0.0734	Significant
		9	1.0857	1.1991	---	0.0976	Significant

^a Maximum trail variance based on 1000 Monte Carlo random re-samplings.