

Supplemental Table 1. Individual demographics of adult CF patients at incident *Achromobacter* spp.

isolation

Pt.	Age	Sex	Mutation	**PS	Achromobacter Species	^a Baseline FEV1 (L) (% predicted)	^b Baseline FVC (L) (% predicted)	^c TIS	^d AZM	^e BA	^f ICS	PA	SA	Co-morbidities	BMI	O ₂
1	35	M	3659delC	I	-	1.13 (28)	3.1 (63)	Y	Y	Y	Y	Y	N	L, O	19.6	Y
2	26	F	F508/	I	-	0.98 (35)	1.91 (57)	N	N	Y	N	Y	N	N/A	18.3	Y
3	27	F	N/A	S	<i>A. insuavis</i>	0.94 (32)	1.55 (47)	N	N	Y	N	Y	Y	N/A	19.9	N
4	34	F	F508/F508	I	-	3.31 (114)	4.24 (122)	N	N	N	N	Y	Y	DIOS	26.2	N
5	21	M	F508/F508	I	-	1.81 (40)	3.42 (65)	N	N	Y	N	Y	Y	N/A	15.7	Y
6*	16	M	F508/	I	<i>A. xylooxidans</i>	3.11 (79)	4.06 (95)	Y	N	Y	Y	Y	Y	L, S	18.1	N
7	21	F	N/A	I	-	1.35 (38)	2.41 (61)	Y	N	Y	N	Y	N	S	15.8	N
8	31	F	N/A	I	-	1.00 (33)	1.85 (53)	N	N	Y	N	Y	Y	O, CFRD	19.9	N
9*	63	F	F508/R117 H	S	<i>A. xylooxidans</i>	1.42 (53)	2.48 (72)	N	N	Y	Y	Y	Y	S	27.8	N
10	31	F	F508/	S	<i>A. xylooxidans</i>	1.54 (52)	2.23 (63)	N	N	Y	N	Y	N	S	19.6	N
11	21	F	N/A	I		3.38 (102)	4.55 (118)	N	N	Y	Y	Y	Y	DIOS, L, S	23.8	N
12*	20	M	F508/F508	I	<i>A. xylooxidans</i>	1.67 (42)	3.2 (69)	N	N	Y	Y	Y	Y	L	18.9	N
13	18	F	N/A	I	<i>A. ruhlandii</i>	1.71 (51)	2.91 (83)	N	N	Y	N	N	Y	L, O	18.4	N
14	42	M	F508/F508	I	-	2.81 (77)	4.49 (102)	N	Y	Y	N	Y	Y	L, S, O	20.1	N
15	29	M	N/A	S	-	1.22 (33)	2.6 (56)	N	N	Y	N	Y	Y	N/A	20.1	N
16	24	F	F508/F508	I	<i>A. insuavis</i>	2.68 (98)	3.97(119)	N	N	Y	N	Y	Y	DIOS, O	18.8	N
17	30	F	N/A	S	-	0.95 (33)	1.8 (54)	N	N	Y	N	Y	Y	N/A	21.8	N
18*	28	M	N/A	I	<i>A. xylooxidans</i>	1.11 (27)	2.56 (50)	N	N	Y	N	Y	Y	N/A	19.9	N
19	20	M	F508/F508	I	<i>A. xylooxidans</i>	2.36 (62)	3.29 (74)	N	N	Y	N	N	Y	N/A	14.9	N
20	25	M	F508/F508	I	<i>A. insuavis</i>	3.73 (87)	4.96 (100)	N	N	Y	Y	Y	N	CFRD	20.9	N
21*	15	F	F508/F508	I	<i>A. insuavis</i>	2.19 (65)	2.71 (77)	N	N	Y	N	N	Y	N/A	18	N
22	18	M	N/A	I	-	3.83 (103)	5.21 (130)	N	N	Y	N	Y	Y	L, S	22.8	N
23*	24	M	F508/	I	-	0.78 (22)	1.65 (38)	Y	N	Y	N	Y	N	N/A	18.3	N
24*	23	F	N/A	I	<i>A. xylooxidans</i>	2.04 (60)	3.39 (87)	N	N	Y	N	Y	N	N/A	22.4	N
25*	39	F	N/A	I	<i>A. insuavis</i>	2.26 (82)	2.64 (81)	N	Y	Y	Y	N	Y	CFRD, S, O	20	N
26*	25	M	F508/	I	<i>A. spanius</i>	1.5 (37)	1.8 (38)	N	N	Y	N	Y	Y	CFRD	14.9	Y
27	20	F	F508/F508	I	-	1.24 (41)	1.82 (54)	N	N	Y	N	Y	Y	O	16.6	N
28	29	F	F508/F508	I	-	1.27 (43)	1.99 (58)	N	N	Y	N	Y	Y	N/A	20.7	N
29	22	F	N/A	I	<i>A. xylooxidans</i>	2.75 (88)	3.66 (103)	Y	Y	N	N	N	Y	CFRD, L	21.5	N
30	22	F	N/A	I	-	0.81 (27)	1.56 (44)	Y	N	Y	N	Y	Y	N/A	17	N
31	24	F	G542X/	I	-	2.19 (67)	3.49 (89)	Y	N	Y	N	Y	N	N/A	18.4	N
32	37	M	F508/3659delC	I	<i>A. xylooxidans</i>	1.53 (40)	4.29 (94)	N	N	Y	N	N	N	N/A	24.5	N
33*	19	M	N/A	I	-	3.42 (83)	4.61 (96)	N	N	Y	Y	Y	Y	S, O	23.8	N
34	18	M	N/A	I	<i>A. dolens</i>	3.94 (103)	5.37 (130)	N	N	Y	N	Y	Y	S, O	18.7	N

*Chronic *Achromobacter* infections

***PS: Pancreas Status; I = pancreatic insufficient; S = pancreatic sufficient

^aBaseline FEV1 forced expiratory volume in 1 second recorded 2 years prior to index *Achromobacter* isolate

^bBaseline FVC forced volume capacity recorded 2 years prior to index *Achromobacter* isolate

^cTIS: chronic inhaled tobramycin therapy at time of *Achromobacter* isolate

^dAZM: chronic azithromycin therapy at time of *Achromobacter* isolate

^eBA: beta-agonist at time of *Achromobacter* isolate

^fICS: inhaled corticosteroid at time of *Achromobacter* isolate

BMI: Baseline BMI

CF comorbidities: DIOS distal intestinal obstruction syndrome, O = osteoporosis/osteopenia, L= liver disease, S = sinus disease,

CFRD = CF related diabetes

O₂ = on oxygen therapy at time of *Achromobacter* isolate

Supplemental Table 2. Quantification of biofilm production by *Achromobacter* spp. isolates

	Mean Biofilm	SD	SEM	P-Value
All Isolates (Non-xylooxidans) (n=17)	0.187	0.204	0.050	-
All Isolates (<i>Achromobacter xylooxidans</i>) (n=14)	0.675	0.599	0.160	0.0001
Incident Isolates (Non-xylooxidans) (n=10)	0.202	0.247	0.078	-
Incident Isolates (<i>Achromobacter xylooxidans</i>) (n=9)	0.620	0.405	0.135	0.007
Transient Isolates (n=20)	0.495	4.621	1.033	-
Persistent Isolates (n=10)	2.729	2.487	0.750	0.89

SD: Standard Deviation

SEM: Standard Error of the Mean