

Supplemental Table 1: Characteristics of study population by twin/sibling status

	MZ twins	Siblings
Individuals	8	5
Female gender	2 (25%)	0
Caucasian	8 (100%)	5 (100%)
CF genotype		
Δ F508 homozygotes	4 (50%)	5 (100%)
Pancreatic insufficient	8 (100%)	5 (100%)
Age \pm SD, in yrs (range)	14.25 \pm 2.97 (10.98-18.08)	13.76 \pm 2.41 (10.29-16.10)
MaxFEV ₁ CF% ile	0.71 \pm 0.28 (0.191-0.976)	0.78 \pm 0.19 (0.58-1.0)
Previous positive <i>P. aeruginosa</i> culture	8 (100%)	5 (100%)
Previous positive <i>S. aureus</i> culture	8 (100%)	5 (100%)

Supplemental Table 2: Characteristics of adult study population

Individuals	10
Female gender	2 (20%)
Caucasian	10 (100%)
CF genotype	
Δ F508 homozygotes	6 (60%)
Pancreatic insufficient	10 (100%)
Age \pm SD, in yrs (range)	35.4 \pm 15.3 (20.1-50.7)
MaxFEV ₁ CF% ile	0.57 \pm 0.21 (0.36-0.78)
Previous positive <i>P. aeruginosa</i> culture	10 (100%)
Previous positive <i>S. aureus</i> culture	10 (100%)