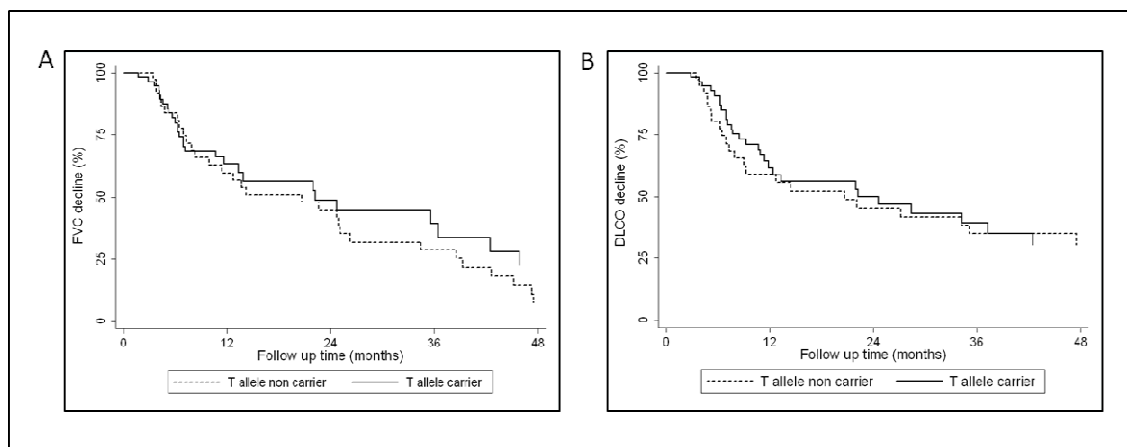


Supplementary Table 1. Genotype frequency in control and ILD patient cohorts

	GG	GT	TT	p value
Control (n=416)	0.81	0.17	0.02	
IPF (n=110)	0.38	0.53	0.09	9.11x10 ⁻¹⁷
SSc (n=440)	0.78	0.22	0.01	0.09
no ILD (n=211)	0.80	0.19	0.01	0.57
SSc-ILD (n=229)	0.76	0.24	0.01	0.06
Sarcoidosis (n=180)	0.79	0.20	0.01	0.58
Stage 0-III (n=98)	0.77	0.21	0.02	0.54
Stage IV (n=73)	0.82	0.18	0.00	0.53

Data are presented as genotype frequency. p value is versus the control cohort. SSc: systemic sclerosis, ILD: interstitial lung disease

Supplementary Figure 1. Time to decline in FVC (panel A) and in DLco (panel B) in IPF patients, according to carriage of the MUC5B T allele. T allele non-carrier n=38, T allele carrier n=57. No significant difference in time to decline in FVC (HR: 0.78, 95% CI: 0.47-1.30, p=0.3), DLco (HR: 1.03, 95% CI: 0.61-1.73, p=0.9) was seen according to carriage of the disease-associated T allele on univariate analysis. However, after multivariate stepwise regression, leaving only significant covariates in the equation (CPI), the minor T allele was associated with a longer time to decline in FVC, just reaching the limits of statistical significance (HR: 0.59, 95% CI: 0.35-1.005, p=0.052), while no association was seen with time to decline in DLco (HR: 0.96, 95% CI: 0.56-1.62, p=0.9) even after adjustment for CPI.



Supplementary Figure 2. Time to decline in FVC (panel A) and in DLco (panel B) in SSc-ILD patients, according to carriage of the MUC5B T allele. T allele non-carrier n=140, T allele carrier n=37. Time to decline in FVC, DLco, or either measure, did not correlate with carriage of the T allele, both on univariate (adjusted HR for time to decline in FVC: 1.16, 95% CI: 0.73-1.84, p=0.5, adjusted HR for time to decline in DLco: 1.46, 95% CI: 0.95-2.23, p=0.08), and multivariate stepwise regression analysis, after adjustment for age, gender, smoking status, and CPI (adjusted HR for time to decline in FVC: 1.16, 95% CI: 0.7-1.9, p=0.5, adjusted HR for time to decline in DLco: 1.19, 95% CI: 0.7-1.9, p=0.5).

