

## **Influence of *MUC5B* gene on antisynthetase syndrome**

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**Supplementary Table 1.** Genotype and allele frequencies of *MUC5B* rs35705950 in ASSD-ILD+ patients and patients with ILD unrelated to ASSD.

<i>MUC5B</i> rs35705950	Genotypes			Alleles		Allele test	
	GG	GT	TT	G	T	p	OR [95% CI] <sup>a</sup>
ASSD-ILD+, % (n)	79.6 (113)	19.7 (28)	0.7 (1)	89.4 (254)	10.6 (30)	<b>&lt;0.0001</b>	0.21 [0.13-0.33]
Whole cohort of ILD unrelated to ASSD, % (n)	37.5 (87)	53.4 (124)	9.1 (21)	64.2 (298)	35.8 (166)		
ASSD-ILD+, % (n)	79.6 (113)	19.7 (28)	0.7 (1)	89.4 (254)	10.6 (30)	<b>&lt;0.0001</b>	0.21 [0.13-0.33]
IPF, % (n)	34.4 (56)	58.8 (94)	6.9 (11)	63.9 (206)	36.0 (116)		
ASSD-ILD+, % (n)	79.6 (113)	19.7 (28)	0.7 (1)	89.4 (254)	10.6 (30)	<b>&lt;0.0001</b>	0.26 [0.12-0.55]
RA-ILD, % (n)	48.1 (13)	40.7 (11)	11.1 (3)	68.5 (37)	31.5 (17)		
ASSD-ILD+, % (n)	79.6 (113)	19.7 (28)	0.7 (1)	89.4 (254)	10.6 (30)	<b>&lt;0.0001</b>	0.20 [0.11-0.36]
CHP, % (n)	40.9 (18)	43.2 (19)	15.9 (7)	62.5 (55)	37.5 (33)		

ASSD: antisynthetase syndrome; ILD: interstitial lung disease; OR: odds ratio; CI: confidence interval; IPF: idiopathic pulmonary fibrosis; RA: rheumatoid arthritis; CHP: chronic hypersensitivity pneumonitis.

Statistically significant results are highlighted in **bold**.

<sup>a</sup>For the minor allele.