



Figure S1. Association of MUC1 in bronchoalveolar lavage (BAL) fluid with DLCO for all study subjects in *Material 1*, including long-term smokers with (LTS+) and without (LTS-) COPD as well as healthy non-smokers (HNS). Analytical statistics are shown according to Spearman's rank order correlation.

Table S1

Parameter [median (range)]	Material 1		
	HNS	LTS-	LTS+
A			
Number of subjects	20	20	16
Gender (M/F)	14/6	10/10	5/11
Age (years)	54 (41-72)	54 (41-66)	62 (48-73)
BMI	21 (20-31)	24 (20-33)	24 (19-30)
Current smoking (cigarettes/day)	0 (0-0)	5 (5-20)	20 (2-35)
Pack-years (years)	0 (0-0)	35 (5-60)	40 (30-60)
FVC	4.66 (2.74-7.72)	4.16 (2.8-7.3)	2.73 (1.39-5.33)
FVC (% predicted)	116 (85-157)	109 (86-146)	93 (63-128)
FEV1	3.58 (2.2-4.85)	3.03 (1.97-5.16)	1.62 (0.94-3.06)
FEV1 (% predicted)	111 (75-142)	96 (72-120)	63 (43-91)
FEV1/FVC	76 (56-86)	72 (61-82)	55 (45-68)
DLCO (mmol/kPa/min)	8,51 (5.85-11.84)	6.65 (3.92-8.89)	3.57 (2.19-7.59)
DLCO (% predicted)	90 (67-124)	75 (50-90)	45 (27-78)
		Material 2	
		LTS-	LTS+
B			
Number of subjects	5	9	4
Gender (M/F)	4/1	4/5	2/2
Age (years)	45 (41-66)	67 (45-72)	57 (52-64)
BMI	24 (22-29)	24 (22-26)	25 (19-30)
Current smoking (cigarettes/day)	0 (0-0)	10 (10-40)	14 (8-20)
Pack-years (years)	0 (0-0)	38 (21-51)	32.5 (20-40)
FVC	5.7 (3.5-7.0)	3.2 (2.5-5.4)	4.4 (3.5-6.3)
FVC (% predicted)	123 (109-127)	116 (74-125)	119 (97-130)
FEV1	4.7 (2.6-5.1)	2.4 (2.0-3.9)	2.9 (2.1-3.2)
FEV1 (% predicted)	108 (100-127)	100 (68-116)	81 (75-105)
FEV1/FVC	74 (68-83)	73 (70-82)	61 (50-68)
DLCO (mmol/kPa/min)	9.5 (6.0-10.2)	6.1 (4.8-8.9)	7.7 (5.6-10.0)
DLCO (% predicted)	83 (68-115)	79 (62-88)	75 (70-98)

Footnote.

HNS = healthy non-smokers

LTS- = long-term smokers without COPD

LTS+ = long-term smoker with COPD

Table S2

Material 2 Parameter, median (range)	Study group		
	HNS	LTS-	LTS+
Number of subjects	5	9	4
Blood Neutrophil (million cell/mL)	2.85 (2.3-3.6)	3.55 (2.8-6)	4.3 (2.7-4.6)
Blood Lymphocyte (million cell/ml)	1.8 (1.2-2.8)	2.05 (1.5-2.9)	2.6 (1.8-3.2)
Blood Monocyte (million cell/mL)	0.4 (0.2-0.5)	0.45 (0.3-0.6)	0.5 (0.3-0.7)
Blood Eosinophil (million cell/mL)	0.2 (0.1-0.4)	0.2 (0.1-0.4)	0.3 (0.1-0.6)
Blood Basophil (million cell/mL)	0 (0-0)	0 (0-0.1)	0.1 (0-0.1)

Footnote.

HNS = healthy non-smokers

LTS- = long-term smokers without COPD

LTS+ = long-term smoker with COPD