

Table S1.**A.**

COPD Subject Characteristics	Entire cohort (n=21)	Never smoker (n=10)	COPD (n=11)	Point estimate (95% CI)	P-value
Age, years	58±8	53±7	62±7	9 (2-16)	0.017
Male sex	9 (43%)	2 (20%)	7 (64%)		0.080
White race	9 (43%)	4 (40%)	5 (46%)		0.801
Current smoker	6 (29%)	0 (0%)	6 (55%)		0.002
Pack-year	20±37	0.1±0.3	41.6±44.7	41.5 (7.1-75.8)	0.024
FEV1, percent predicted	80±21	100±11	65±11	-35 (-47 – -25)	<0.001
FVC, percent predicted	91±13	97±11	88±13	-9 (-21 – 3)	0.130

Data expressed as mean ±S.D. or n (%). Independent t-test, Chi square, or Fisher's exact used for analysis between the diseased and Control cohorts.

B.

BPD Subject Characteristics	Entire cohort (n=10)	Non-BPD (n=5)	BPD (n=5)	P-Value
Gestational Age (weeks), mean (+/- S.D.)	31.5±6.5	37.4 ±2.3	26 ± 1.9	<0.0001
Birth weight (grams), mean +/- S.D.	1974±1367	3246 ± 406	713 ± 193	<0.0001
Male sex, no. (%)	7 (70%)	4 (80%)	3 (60%)	>0.99
Race				
Black, no. (%)	2 (40%)	2 (40%)	0 (0%)	0.04
Caucasian, no. (%)	7 (70%)	2 (40%)	5 (100%)	0.04
Antenatal corticosteroids no., (%)	3 (30%)	1 (20%)	2 (40%)	0.41
Chorioamnionitis, no. (%)	2 (20%)	0 (0%)	2 (40%)	0.14
Rupture of Membranes >18hrs, no. (%)	3 (30%)	2 (40%)	1 (20%)	0.54
Preeclampsia, no. (%)	1 (10%)	1 (20%)	0 (0%)	0.35
Intrauterine growth restriction	0 (0%)	0 (0%)	0 (0%)	>0.99
Intubation in delivery room, no. (%)	6 (60%)	2 (40%)	4 (80%)	0.24
High-frequency ventilation, no. (%)	2 (20%)	1 (20%)	1 (20%)	>0.99
Ventilator days, mean (range)	54.3 (1-195)	5.6 (1-12)	103 (20-195)	0.02
In-hospital death, no. (%)	4 (40%)	0 (0%)	4 (80%)	0.048

Data expressed as mean ±S.D., n (%), or mean (range). Independent t-test, Chi square, or Fisher's exact used for analysis between the diseased and control cohorts.