

TABLE S1. DEG between COPD<sub>L</sub> and both COPD<sub>N</sub> and C which varied with fibre type II area.

Source	Probe	Gene Symbol	rho	p
Up-regulated genes	A_23_P100711	PMP22	-0.44	0.027
	A_23_P403445	CGREF1	-0.60	0.0013
	A_23_P146233	LPL	-0.42	0.032
Down-regulated genes	A_24_P335092	SAA1	0.49	0.012
	A_23_P13548	CHRLD	0.39	0.05
	A_23_P308763	FARP1	0.48	0.015
	A_24_P401294	FLJ35934	0.44	0.029

**Table S1.** List of up and down DEG genes between COPD<sub>L</sub> and both COPD<sub>N</sub> and C that varied with type II area in the whole populations.