

Supplementary table S1: The neutrophil plasma membrane fraction demonstrates increased abundance of neutrophil granule proteins in AATD-COPD compared to normal COPD.

Granule constituent proteins increased in abundance (>1.5 fold change change, ANOVA p<0.05) in the neutrophil plasma membrane fraction from AATD-COPD individuals compared to COPD.

UniProtKB, Universal Protein knowledgebase. GN, gene name.

Protein	Main neutrophil granule subtype	Fold change	P value
Bactericidal permeability-increasing protein GN= <i>BPI</i>	Primary	8.4	0.021
Myeloperoxidase OS=Homo sapiens GN= <i>MPO</i>	Primary	3.3	0.025
EH domain-containing protein 1 GN= <i>EHD1</i>	Secondary	7.2	0.014
Moesin GN= <i>MSN</i>	Secondary	5.2	0.019
Integrin alpha-L GN= <i>ITGAL</i>	Secondary and tertiary	6.3	0.008
Integrin alpha-M GN= <i>ITGAM (CD11b)</i>	Secondary and tertiary	4.7	0.022
Neprilysin GN= <i>MME</i>	Tertiary	11.4	0.018
V-type proton ATPase 116 kDa subunit a isoform 3 GN= <i>TCIRG1</i>	All three	6.5	0.033