## S1 Table.

Outcome	Model (R function)	Covariates Included in Model*
$\overline{\mathrm{FEV_1\%}}$	Linear regr. (lm)	Intercept only
$FEV_1/FVC$	Beta regr. (betareg)	Age, Sex
Frac. Emph.	Beta regr. (betareg)	Age, Sex, FEV <sub>1</sub> %, BMI, Smok. Status**

<sup>\*</sup> All models include an intercept term.

\*\* Only COPDGene data is adjusted for smoking status, since only this cohort has current smokers.