Figure S1

NHW and AA smokers (45-80 years old; $\geq$ 10 pack-years of lifetime smoking history) in the COPDGene study at Visit 1 ($n = 10,263$)

Subjects with available k-means cluster assignment ($n = 8,288$)

Subjects who did not have lung volume reduction surgery, lung transplant, or more than a 1L increase in $FEV_1$ between Visits 1 and 2 ($n = 8,266$)

Subjects with available data for the following outcomes:
- 5-year changes in $FEV_1$: $n = 4,679$
- 5-year changes in adjusted Perc15 density: $n = 4,387$
- Prospective COPD exacerbations: $n = 7,310$
- Prospective CVD: $n = 6,019$
- Prospective diabetes: $n = 6,355$
- Prospective survival: $n = 8,266$ (all-cause), $n = 7,364$ (ascertained cause-specific)
- Plasma proteins: $n = 1,047$
- Whole blood RNA: $n = 2,072$