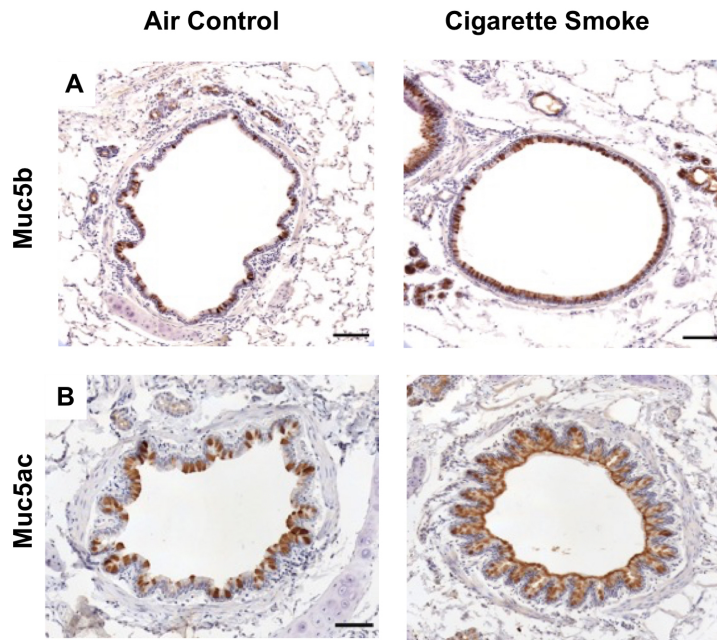


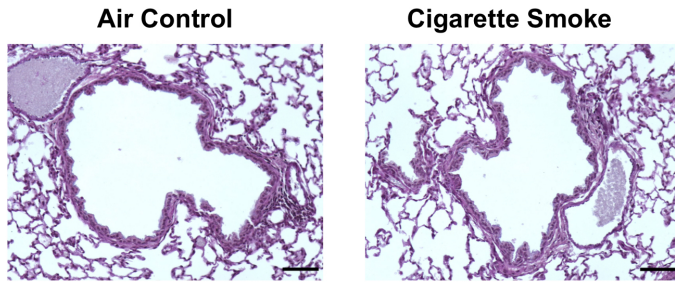


Supplemental Figure 1. Cigarette smoke exposure system for ferrets. Picture of ferrets undergoing cigarette smoke exposure in controlled apparatus.



Supplemental Figure 2. Mucin staining in cigarette smoke exposed ferrets.

Representative photomicrograph of ferret airways following 6 months of cigarette smoke exposure vs. air control. **(A)** Muc5b staining. **(B)** Muc5ac staining. Scale bar 67 μ m.



Supplemental Figure 3. Representative photomicrograph of mouse airways following 6 months of cigarette smoke exposure vs. air control. Scale bar 67 μm .

Supplemental Video 1. Example cough in a ferret under observation.