

Online Data Supplement

**Role of Breast Regression Protein (BRP)-39
in the Pathogenesis of Cigarette Smoke-Induced
Inflammation and Emphysema**

Hiroshi Matsuura, M. Sci.¹, Dominik Hartl, M.D.¹, Min-Jong Kang, M.D., Ph.D.¹, Charles S. Dela Cruz, M.D., Ph.D.¹, Barbara Koller M.D.¹, Geoffrey L Chupp, M.D.¹, Robert J. Homer, M.D., Ph.D.², Yang Zhou Ph.D.¹, Won-Kyung Cho, M.D.¹, Jack A. Elias, M.D.¹, Chun Geun Lee, M.D., Ph.D.^{1,3}

¹Section of Pulmonary and Critical Care Medicine

²Department of Pathology
Yale University School of Medicine
Department of Internal Medicine
300 Cedar Street (TAC S441)
P.O. Box 208057
New Haven, CT 06520-8057
Telephone (203) 785-4119

³Corresponding Author

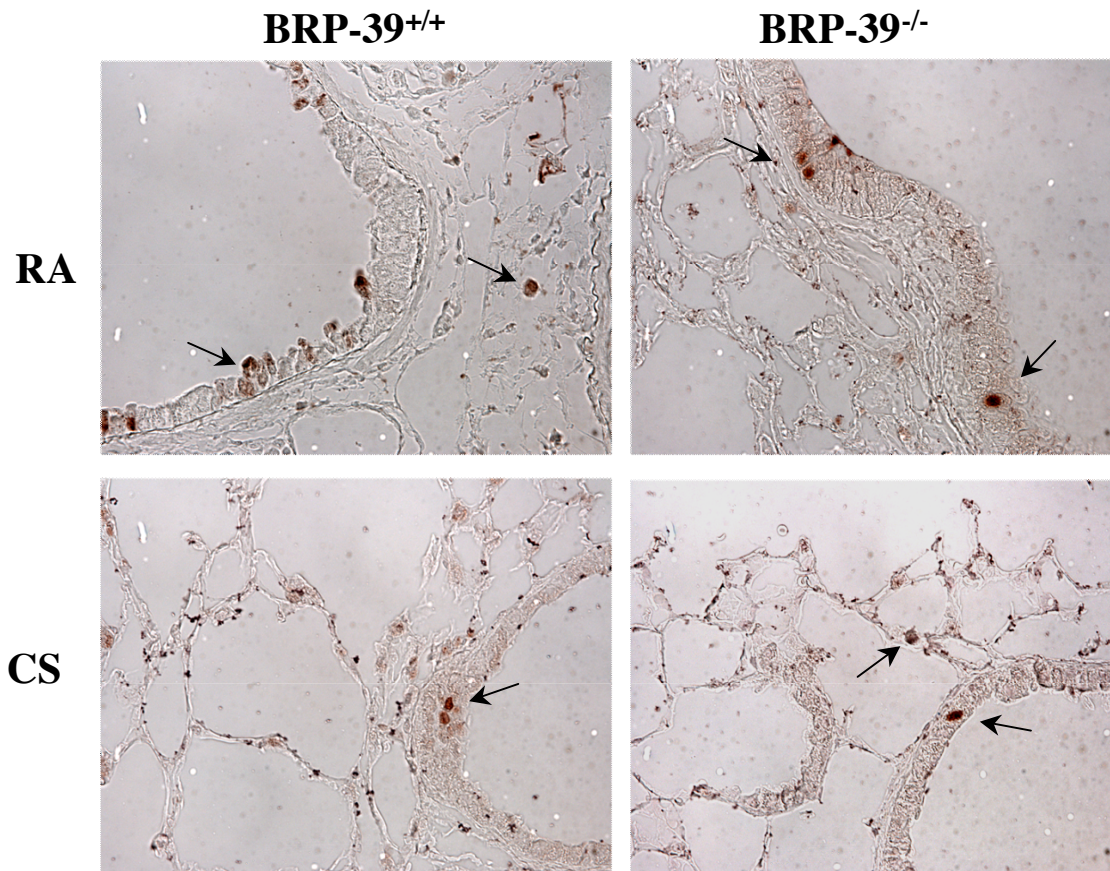


Figure E1. Role of BRP-39 in epithelial cell proliferation after CS-exposure. 2 month-old wild type and BRP-39 null mice (BRP-39^{-/-}) were exposed RA or CS for 2 weeks. 5-Bromo-2-Deoxyuridine (BrdU, Sigma, St Louis, MO) was delivered to the mice via i.p. injection (1mg/mouse, 7 days and 6 hours before sacrifice) during the course of CS or RA exposure, then the mice were sacrificed and the BrdU labeled-cells in the lung were detected using BrdU *In Situ* Detection Kit II (BD Bioscience, San Diego, CA). Arrows indicate BrdU positive cells. 20x of original magnification.