

Table

Supplementary Table 1: Correlation of airway hyperresponsiveness and neutrophil concentration with the expression of neutrophil chemokines and IL17 cytokines. (Top) BLAF neutrophil concentration versus all other measurements. (Middle) Respiratory resistance (Rrs) at 50mg/ml mch dose versus all other measurements. (Bottom) Newtonian resistance (Rn) at 50mg/ml mch dose versus all other measurements. (Sheet 2; left) Spearman correlation statistics analyzed for IL17a gene expression versus Rn at 50mg/ml mch dose; measured in DEP groups only. (Sheet 2; right) Summary of significant correlations.

Figure legends

Supplemental Figure 1. Additional genes and proteins measured in DEP-exposed WT and HET mice.

(A) Lung mRNA expression of Il13, Il33, Il1 β and Il6; normalized to Rpl13a. (B) BALF protein concentrations of IL-1 β , and TNF- α across all groups.

Supplemental Figure 2. Pathway-related transcriptional signatures in mice. Heatmap of significant differentially expressed genes in the (A) Nrf2 Pathway and (B) AhR Pathway. KO+DEP (teal; n=4) versus WT+DEP (pink; n=7) comparison displayed on a scaled color range from -2 (blue; downregulated) to +2 (red; upregulated).