**Supplemental Figure S6:** (A) Graphical representation of (A1) estimates of mitochondrial ROS, as measured by mitoSOX fluorescence, and (A2) transfer of mitochondria from mGFP labeled MSC to epithelial cells (LA-4) is shown. Inhibition of TNT formation (TNFAIP2^{LO}) by shRNA treatment in epithelial cell (LA-4) and/or the MSC decreases mitochondrial transfer and mtROS reduction by MSCmiro^{Hi}. (B) Airway resistance response to graded methacholine challenge is shown. Treatment of allergically inflamed mouse lungs (OVA) with MSCmiro^{Hi-TNFAIP2^{LO}} is less effective than MSCmiro^{Hi} treatment in reducing airway hyperresponsiveness. *denotes p<0.05.