**Supplemental Methods**

| Name  | Primer Sequence (mouse)                                                                 |
|-------|----------------------------------------------------------------------------------------|
| gadph | Forward: CAGATCCACGACGGACACATTTGGG  
          Reverse: CATGACAACCTTTGGCATTGTGG   |
| tgb1  | Forward: CAACAATTCTGCGGTACCTTGGG  
          Reverse: GAAAGGCCGCTATTCCGTCTCTCTT |
| tgb2  | Forward: CTGTCTACCTGTACGTACCTTGG  
          Reverse: TGGGACTGTCTTGAAGACAA   |
| tgb3  | Forward: AGCATCCACTGTCCATGTCA  
          Reverse: TTCTTCCTCTGACTGCCTCG   |
| smad3 | Forward: CCACAGCACAATAACTTGGA  
          Reverse: AGACACACTGGAACACAGCGGA |
| rela  | Forward: AAG AGC AGC GTG GGG ACT AC  
          Reverse: TGC CAG AGT TTC GGT TCA CT |
| snail1| Mm00441533_g1  
         zeb1 | Mm00495564_m1  
         vim  | Mm01333430_m1  
         ppiia Mm02342430_g1

| Name   | Primer Sequence (human)                                                      |
|--------|------------------------------------------------------------------------------|
| PPIA   | Hs04194521_s1  
         TGFb1 | Hs00998133_m1  
         RelA | Hs01042014_m1  
         SNAIL1 | Hs00195591_m1  
         ZEB1  | Hs01566408_m1  
         CDH1  | Hs01023895_m1

Supplementary Table S1: PCR Primers.

**Supplementary Figure 1:** Percentage of live cells from BAL fluid of mice treated for 4 days with CDE, n=6-8.
Supplementary Figure 2: C57BL/6J mice were treated with daily challenges of CDE or PBS i.n. over 4 d. Immunofluorescence microscopy (IFM). Sections were stained with (a) anti-TGFβ1, (b) anti-RelA, and (c) anti-Snail antibody (Ab, red color) and counter-stained with DAPI (blue) to visualize nuclei; n = 6-8 animals/group
Supplementary Figure 3: Single cell flow cytometry using a 4-day CDE exposure model. Representative gating for cell selection using Fluorescence Minus One (FMO) controls to select the correct gate for SMA+ and CD326+ CDE-exposed cells; n=5.

A. IFM. Sections were stained with anti-p-SMAD3 Ab (red) and DAPI (blue).

Supplementary Figure 4: C57BL/6J mice were treated with daily challenges of CDE or PBS i.n. and given BMS-345541 (IKKi) i.p. simultaneously over 5 d, n=5-6. A. IFM. Sections were stained with anti-p-SMAD3 Ab (red) and DAPI (blue).
Supplementary Figure 5: Scgb1a1CreERTM/+ × RelAfl/fl mice were pre-treated with TX for 10 d and challenged with/without CDE over 4 d, n=5-8. A. IFC of dual stain between α-SMA (green) and Collagen I (purpled) with blue DAPI blue nuclear staining B. IFC Sections were stained with anti-TGFβ1 Ab (red) and counterstained with DAPI (blue). Images obtained at 20X.