

Figure S1.1: Western Blot and densitometry analysis for BEAS-2B cells. Serum starved cells were treated with 5ng/ml of TGF-  $\beta$ 1 for 72 hours followed by cell lysis and western blot. The membrane was probed with various antibodies. The same membrane was stripped and reprobed for GAPDH (endogenous control). The data is representative of three independent set of experiments. Densitometric analysis was performed using Alpha Imager software and plotted using Prism 6.

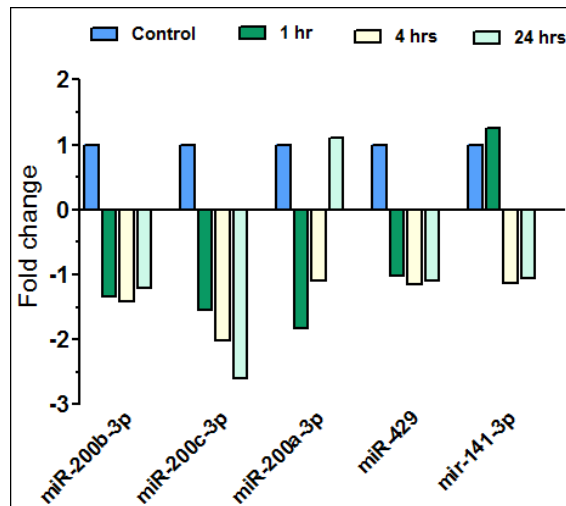


Figure S1.2: Differential expression of miRNA-200 family members. Expression of miRNA-200 family was found differently regulated using Nanostring nCounter assay. In addition to miR-200b, expression of miR-200c-3p & miR-429 was downregulated at all time points.

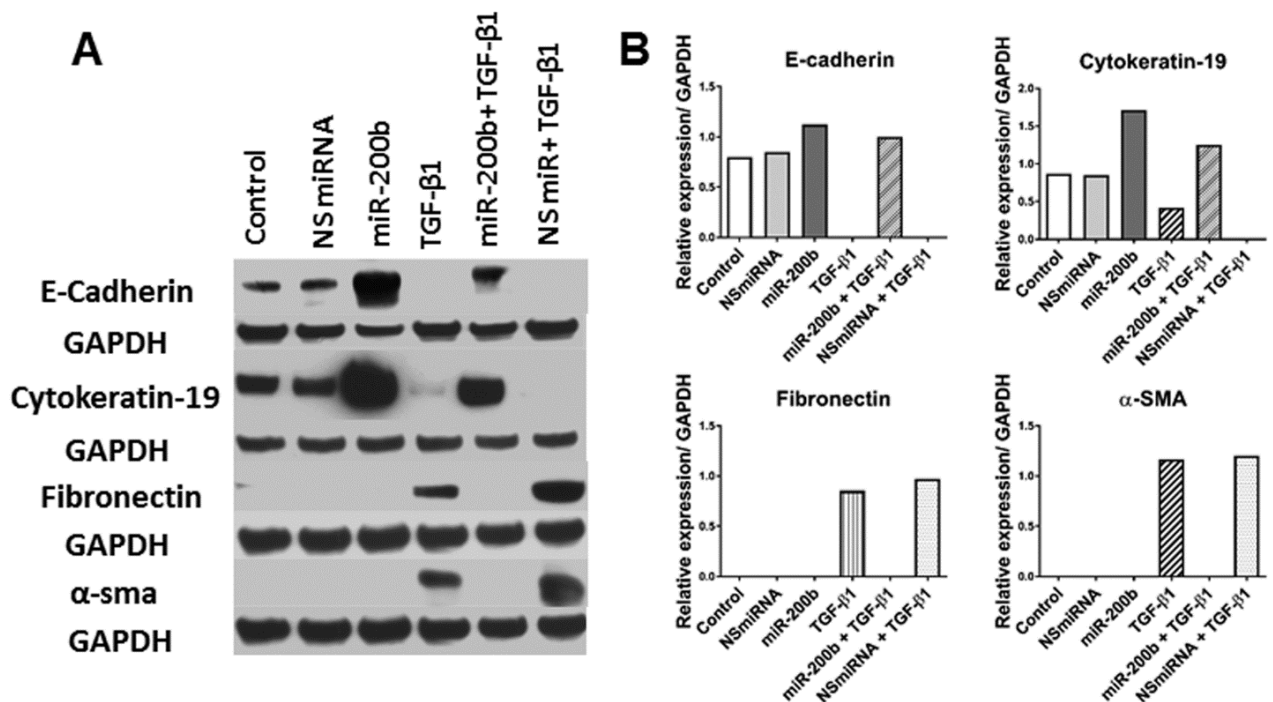


Figure S1.3: miR-200b suppresses the expression of fibrotic markers in TGF-  $\beta$ 1 treated BEAS-2B cells at the protein level. MiR-200b transfected BEAS-2B cells (24 hrs) were subjected to treatment with 5ng/ml of TGF- $\beta$ 1 for 48hrs. Total protein lysate was harvested and protein production was determined using western blot studies (15 $\mu$ g protein per well; A). Relative expression of each EMT marker was normalised to the housekeeping gene GAPDH (B). The data is representative of three independent set of experiments.

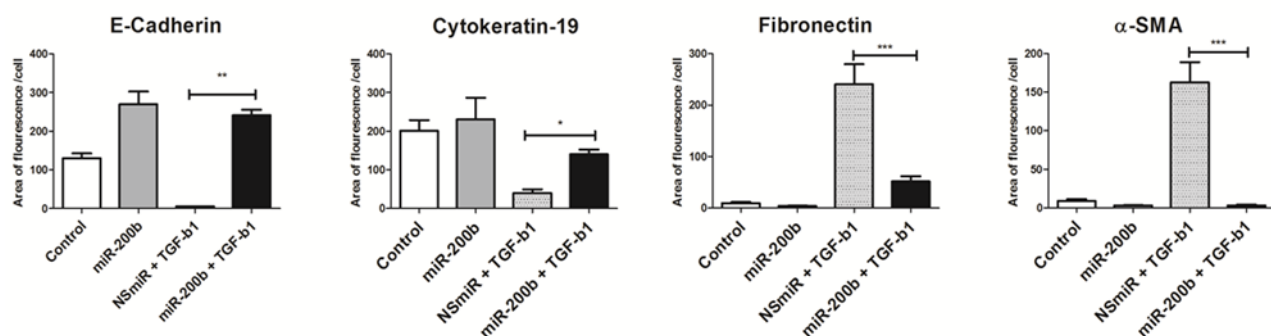


Figure S1.4: miR-200b mimics restored TGF-β1 induced downregulation of E-Cadherin while reducing fibronectin levels in the presence of TGF-β1 in BEAS-2B cells. Immunofluorescence images were quantified using Image J software and plotted using Prism 6 software n=3.