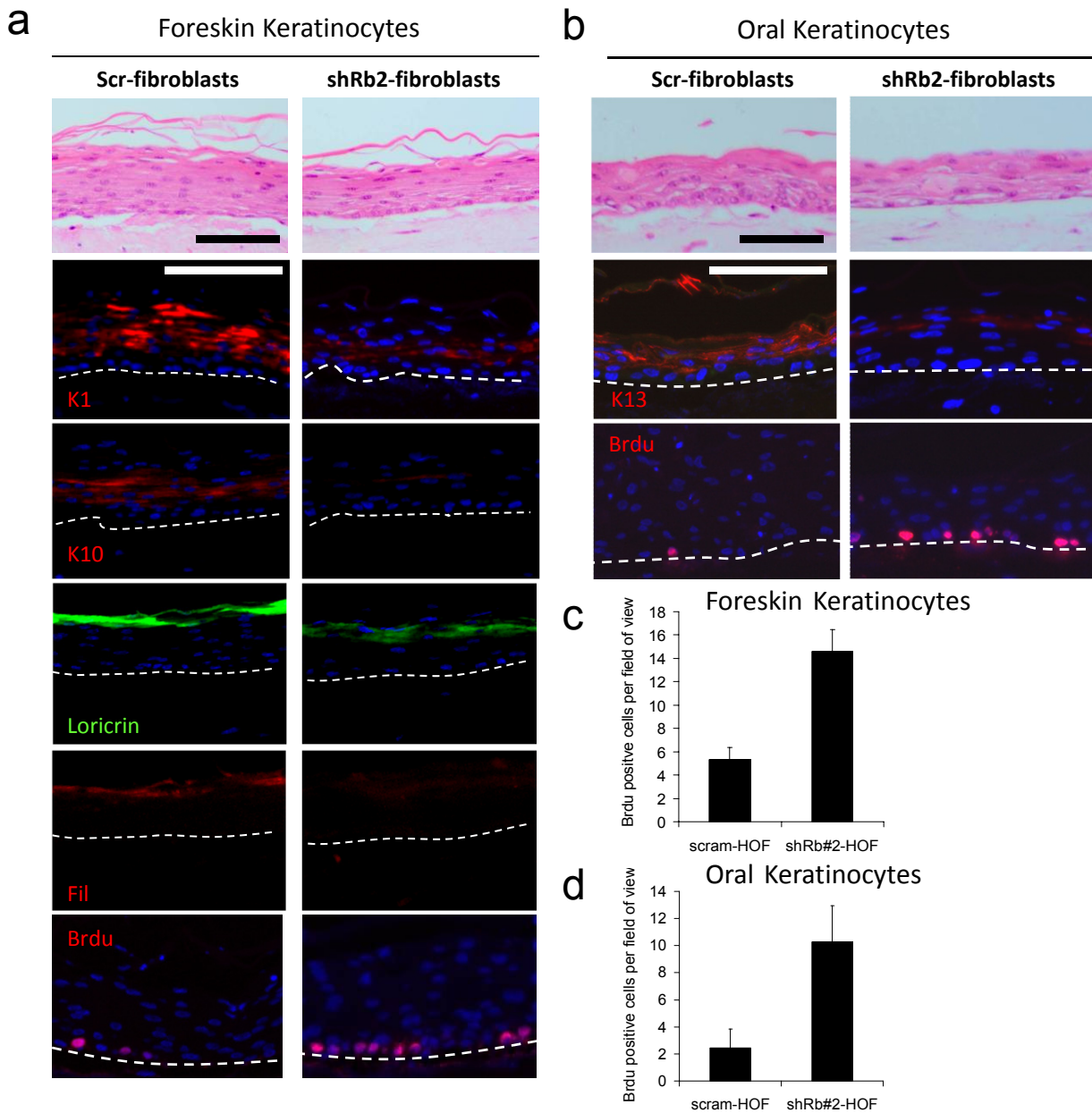
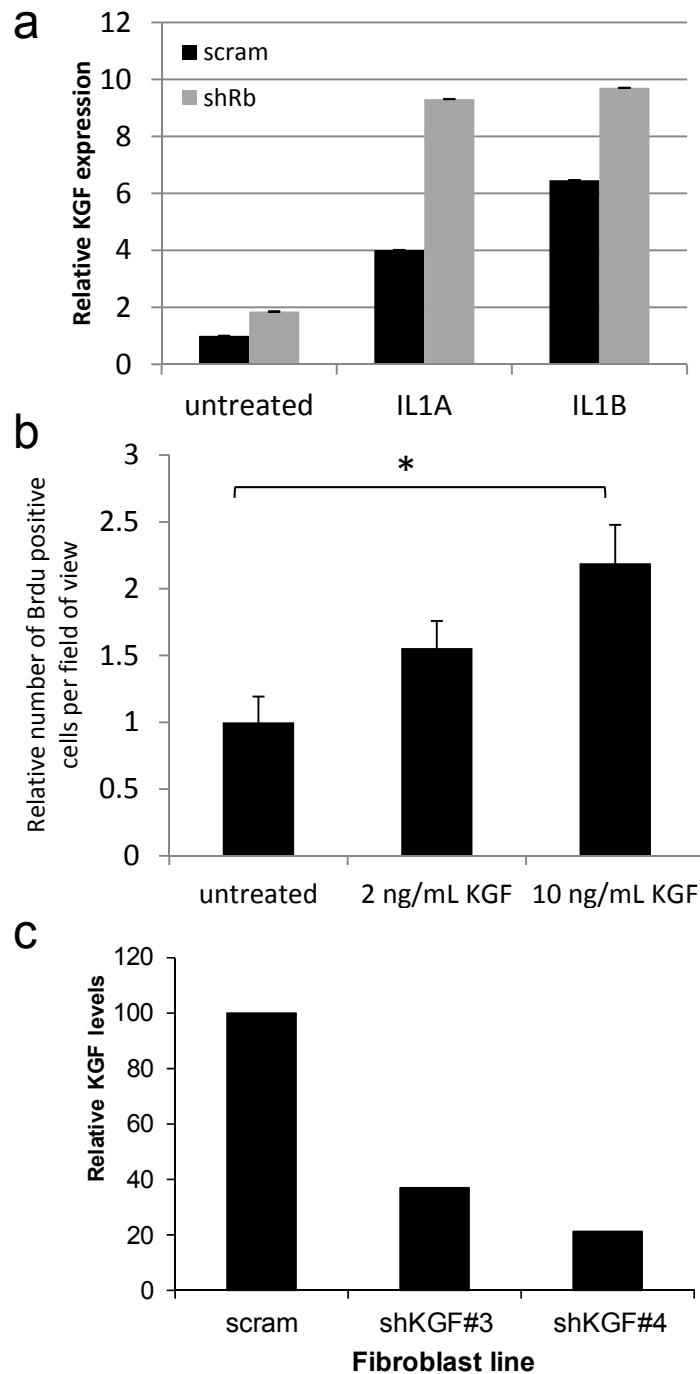


# Supplemental Figure 1



**Supplemental Figure 1:** Rb-depletion in human oral fibroblasts (HOFs) results in loss of differentiation and enhanced proliferation. Organotypic cultures of Rb-depleted HOFs and either foreskin keratinocytes (A) or adult oral keratinocytes (B) resulted in a poorly differentiated epithelium as identified by reduced staining of various differentiation markers. C) and D) Detection of Brdu incorporation to assess proliferation showed that epithelial cells cultured with Rb-depleted fibroblasts have enhanced proliferation in foreskin and oral keratinocytes, respectively.

## Supplemental Figure 2



**Supplemental Figure 2:** A) Relative expression of KGF in scrambled control and Rb-depleted fibroblasts following treatment with 10 ng/mL IL1A and IL1B for 24 hours. B) Assessment of Brdu incorporation by immunofluorescence indicated enhanced proliferation in organotypic cultures treated with KGF. \* indicates p<0.05 in a Student's T-test from three independent experiments. C) ELISA detection of KGF within the medium of KGF depleted fibroblasts compared to scrambled control fibroblasts. shRNA molecules 3 and 4 were used in this study as these resulted in 60-80% reduction in secreted KGF levels.

**Supplemental Table 1:** Primers used in this study.

<b>cDNA</b>	<b>Direction</b>	<b>Sequence</b>
Rb	Forward: Reverse:	5'-ATCACAGCGATACAAACTTGGAG-3' 5'-AGCACAGCGATACAAACTTGGAG-3'
IL1A	Forward: Reverse:	5'-ATCCTTCTATCATGTAAGCTATGG-3' 5'-TCCTCTGAGTCATTGGCGAT-3'
IL1B	Forward: Reverse:	5'-GGCGGCATCCAGCTACGAAT-3' 5'-CCTGGAGGTGGAGAGCTTTCAGTT-3'
KGF	Forward: Reverse:	5'-CACAATGGATACTGACATGGA-3' 5'-TCACTCTTATATCCCCTCCTTC-3'
GAPDH	Forward: Reverse:	5'-ATGGTGAAGGTCGGTGTGAA-3' 5'-ATGACAAGCTTCCCATTCTG-3'
RPLPO	Forward: Reverse:	5'-ATCAACGGGTACAAACGAGTC-3' 5'-CAGATGGATCAGCCAAGAAGG-3'