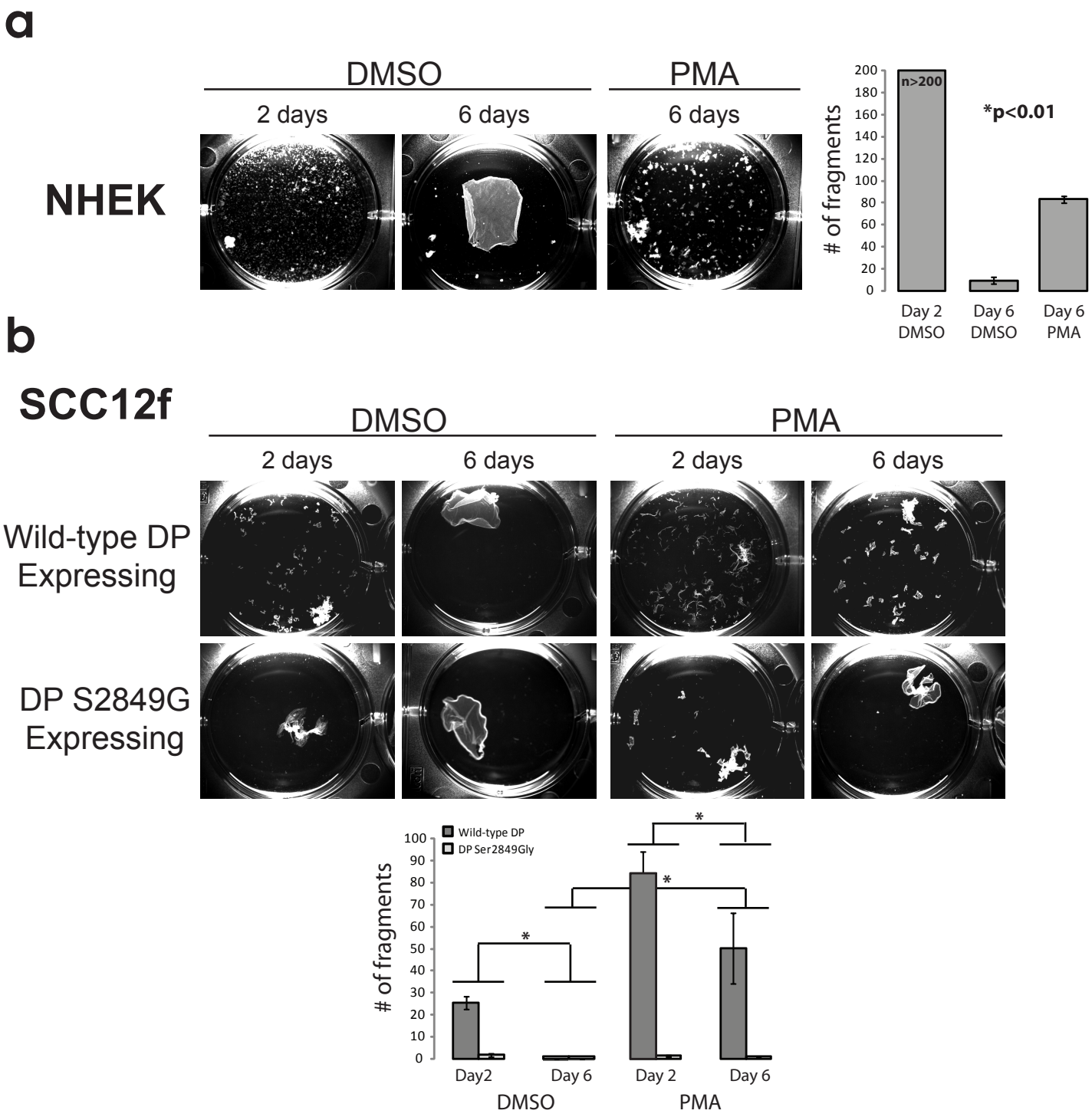

Supplemental Figure 1: Normal human epidermal keratinocytes (NHEKs) and SCC12f cells become hyperadhesive over time. (A) NHEKs exhibit reduced fragmentation at day 6 compared to day 2. PMA stimulation induces greater fragmentation of day 6 NHEK sheets. Graph represents quantification of fragments under each condition. Bars = mean +/- SEM. *p<0.01 for interaction across all three conditions using single factor ANOVA. (B) SCC12f cells constitutively expressing wild-type DP become hyperadhesive over 6 days, compared to 2 days at confluency. 1 μM PMA treatment for 15 minutes induces fragmentation compared to DMSO treated controls. Cells expressing the DP Ser2849Gly point mutant exhibit enhanced resistance to mechanical stress at day 2 and are unresponsive to PMA stimulation. Graph represents quantification of fragments under each condition. Bars = mean +/- SEM. *p<0.01 using Bonferroni corrected two factor ANOVA with replication (α=0.0125).