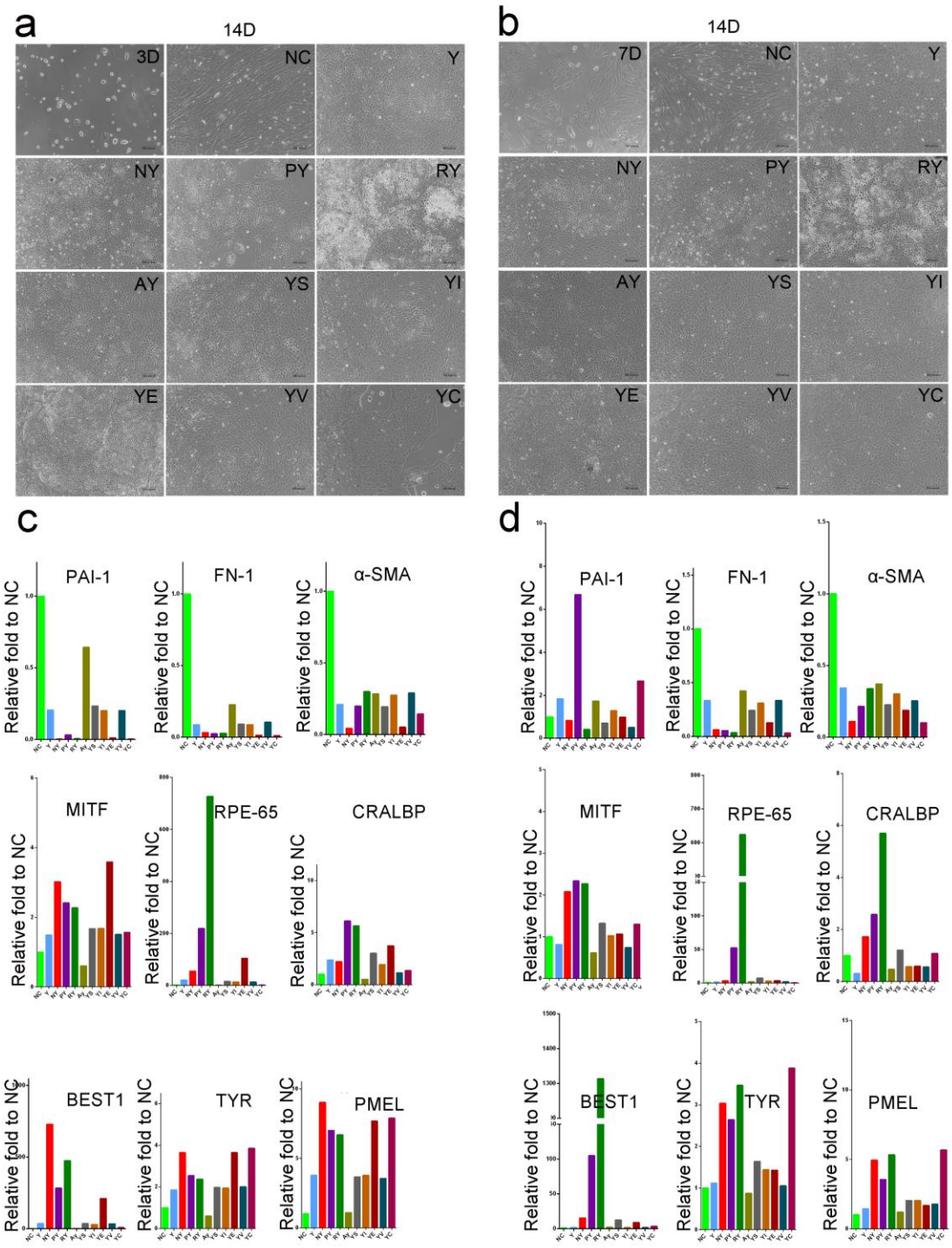

Figure S4. The effects of combinations of small molecules on the EMT of RPE cells in vitro

(a–b) Representative images showing the different morphologies of RPE cells cultured at 3.125% confluence for 3 (a) or 7 (b) days followed by treatment with small molecule combinations for 14 days. NC: normal control;

Y: Y27632 (ROCK inhibitor, 10 μM); N: Nicotinamide (10 mM); P: PD0325901 (ERK signaling inhibitor, 1 μM); R: RepSox (TGF-β signaling inhibitor, 10 μM); A: A 83-01 (TGF-β signaling inhibitor, 0.5 μM); S: S3I-201 (STAT3 inhibitor, 50 μM); I: IGF-1 (insulin-like growth factor 1, 50 ng/ml); E: EGF (epidermal growth factor, 20 ng/ml); V: Vitamin C (10 mM); C: CHIR99021 (GSK-3α/β inhibitor, 3 μM). Scale bar = 50 μm.

(c–d) The expression levels of the RPE markers MITF, RPE65, CRALBP, BEST, TYR, and PMEL and the EMT markers α-SMA, FN1, and PAI-1 were tested by RT-PCR in RPE cells cultured in 11 conditions at 3.125% confluence for 3 (c) or 7 (d) days followed by treatment with different small molecule combinations for 14 days (n = 3 per group with duplicates). The expression level of each gene is shown relative to its expression level in NC, which was set at 1. Data were normalized to GAPDH.