

**Supplementary information, Figure S1** MLC-2V expression in different retinoid-treated cultures.

(A) MLC-2V and CTNT double staining for 60-day-old cultures treated with Ngn+RA, Ngn alone and Ngn+RAi. (B) Western blots for MLC-2V, CTNT and  $\beta$ -actin from 60-day-old cultures treated with Ngn+RA, Ngn alone and Ngn+RAi.