Supplemental Figure 6. Model for the role of Foxc1/c2 during ocular surface development.

Retinoic acid (RA) produced from the surface ectoderm, optic cup and lens regulates expression of Pitx2 and Foxc1 (and possibly Foxc2 as well) in the ocular mesenchyme. There are a regulatory loop between Pitx2 and canonical Wnt signaling. Foxc1 and Foxc2 are not required for the induction of Pitx2 expression, but they are essential for the maintenance of Pitx2 expression.