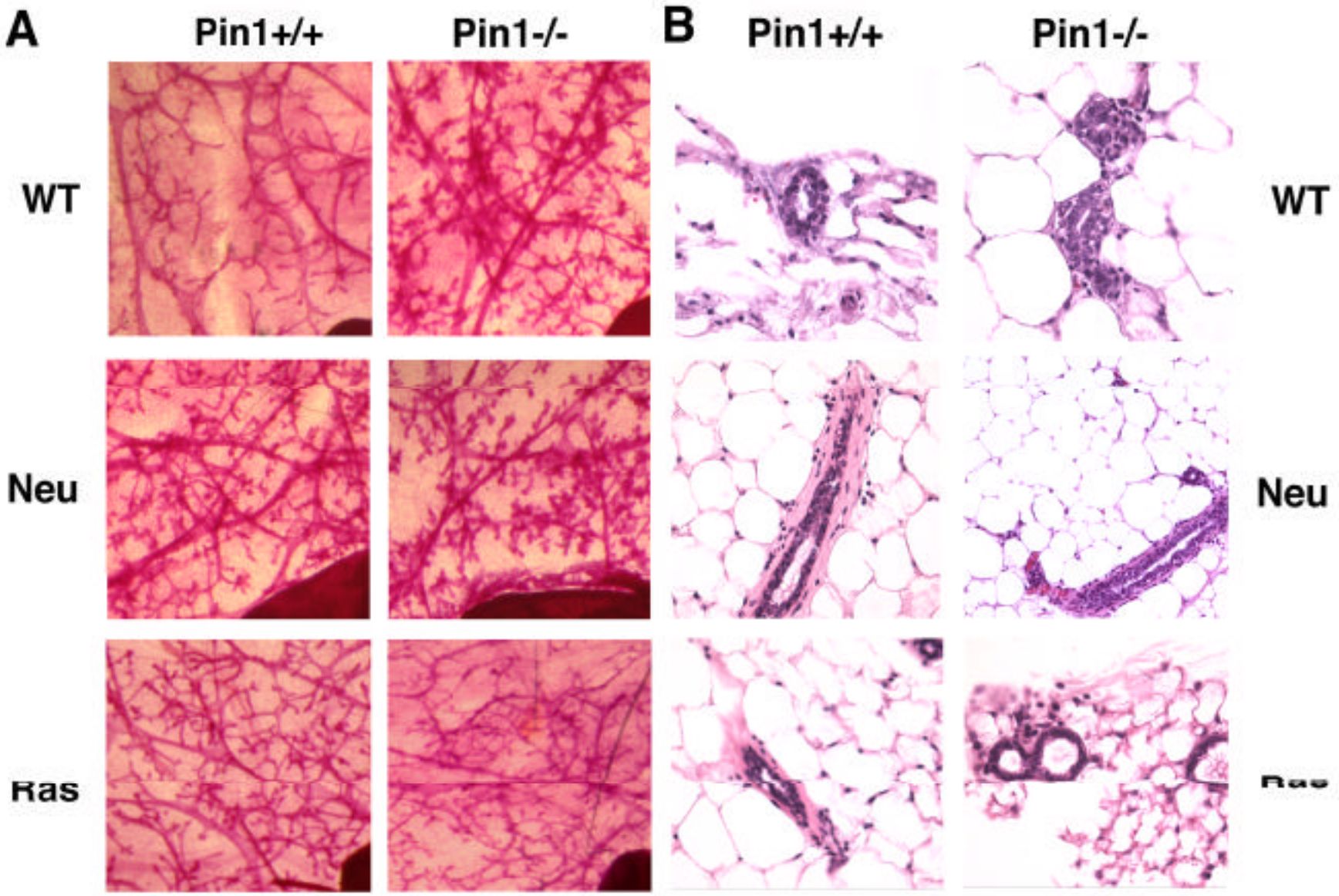

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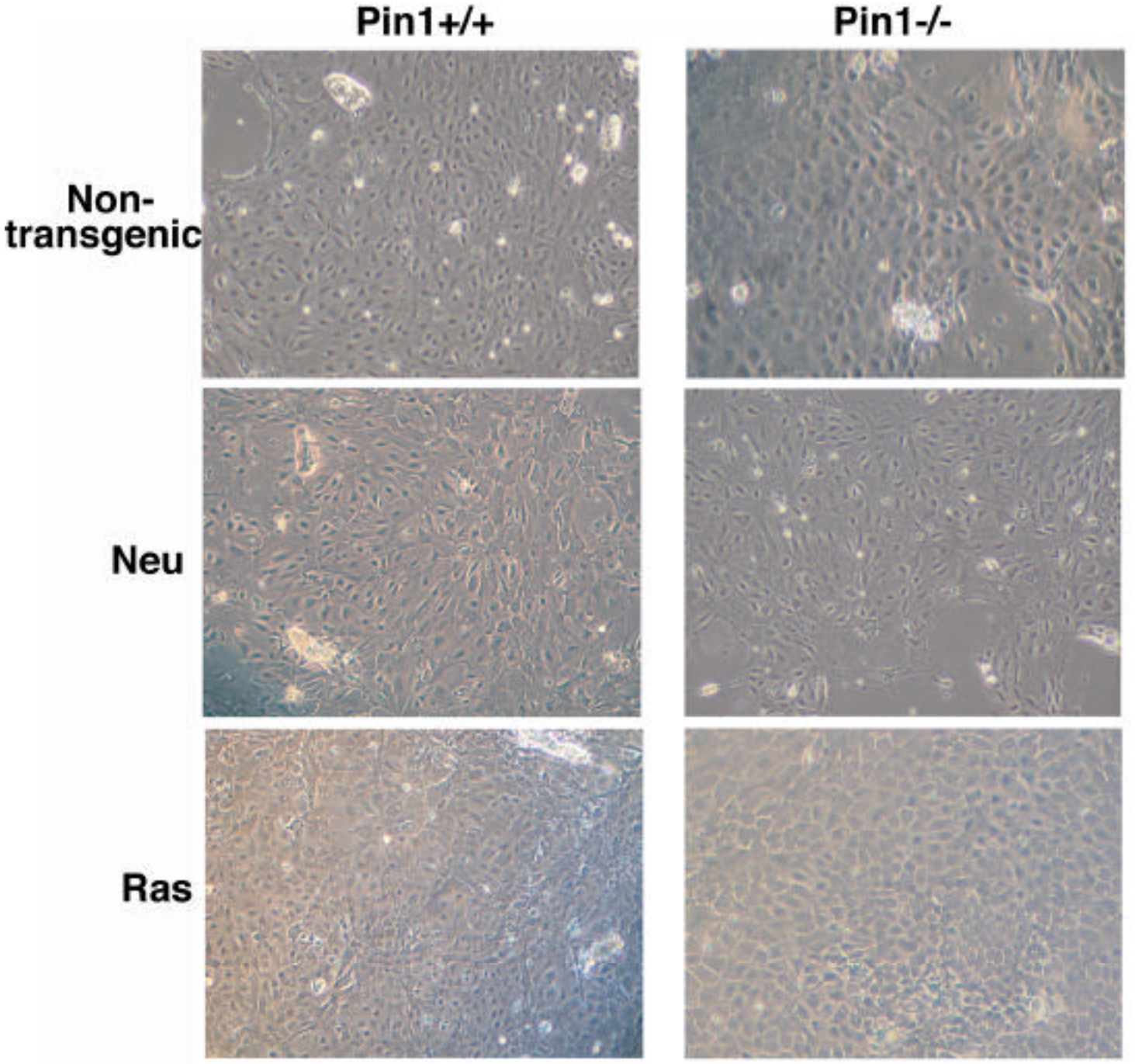
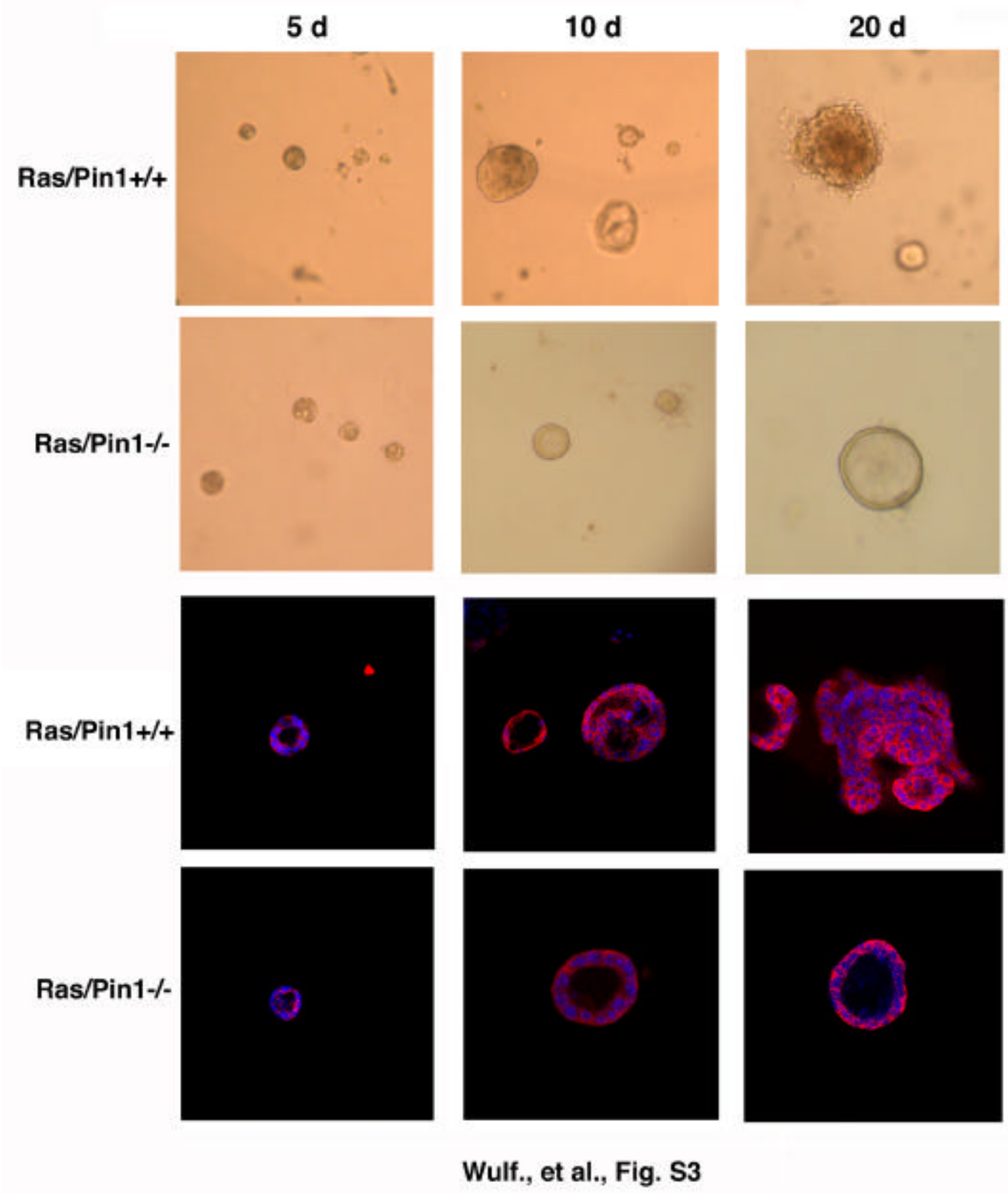
Supplemental Fig. S1. Pin1 ablation does not affect the development of virgin mammary glands.

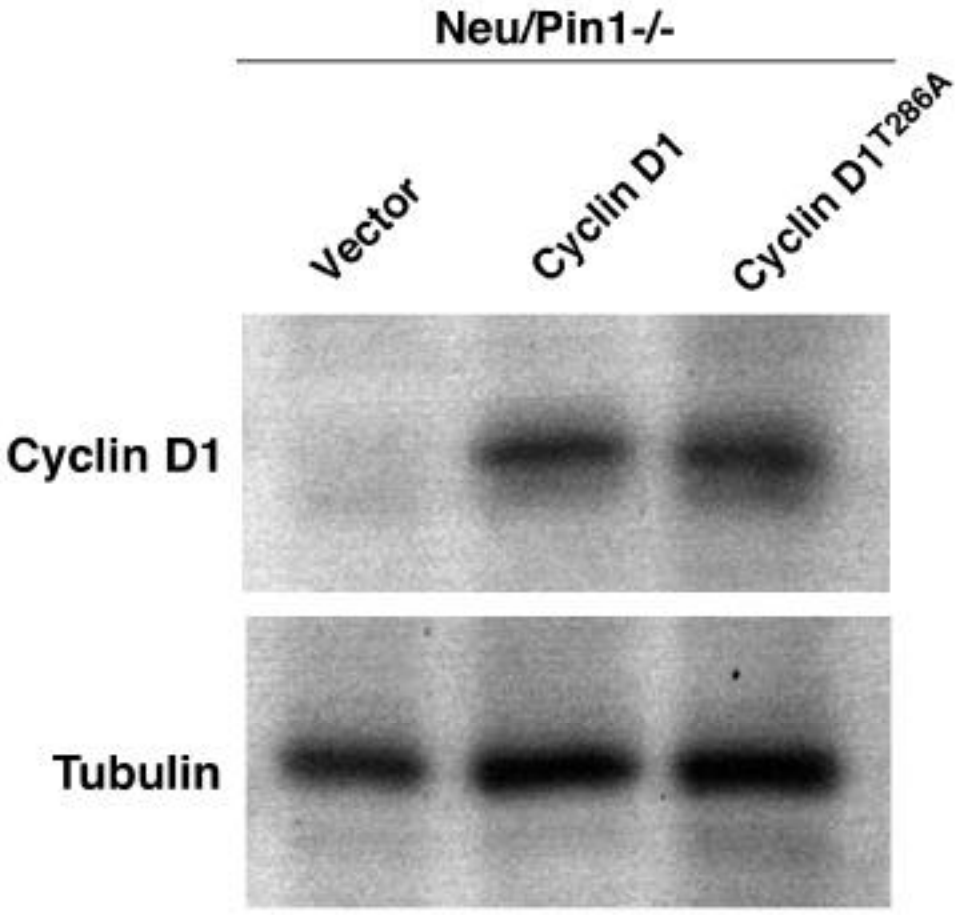
The whole mounts of inguinal mammary glands were prepared and the epithelial component was stained with carmine red (A). Histological sections were stained with hematoxylins and eosin (B). Morphology of the mammary glands obtained from virgin mice reveals no differences between the various genotypes.



Supplemental Figure S1. Primary MECs derived from transgenic and non-transgenic mice inPin1 +/+ and Pin1-/- genetic background display similar growth patterns in 2D culture.



Supplemental Figure S3. Differentiation time course of primary MECs derived from Ras transgenic mice in Pin1+/+ or Pin1-/- genetic background in 3-D cultures.



Wulf et al., S4

Supplemental Fig. S4. Retroviral infection of primary MECs derived from MMTV-Neu/Pin1-/- mice with control vector virus or virus expressing cyclin D1 or it mutant, followed by immunoblotting analysis with anti-cyclin D1 or tubulin antibodies.