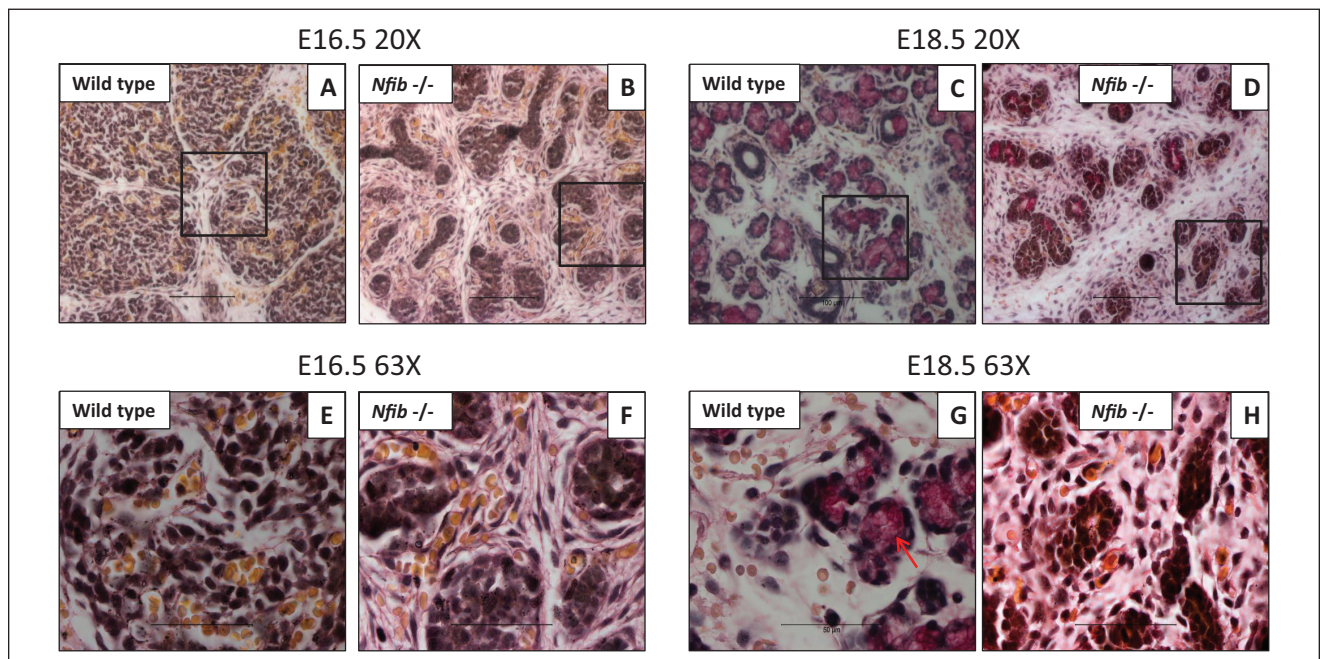


NFIB Regulates Embryonic Development of Submandibular Glands

Journal of Dental Research
DSI-DS3
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DOI: 10.1177/0022034514559129
jdr.sagepub.com

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Appendix



Appendix Figure 1. Mucin presence and distribution is altered in *Nfib*^{-/-} mice at E16.5 and E18.5. Slides were prepared as described in the Materials and Methods. Slides were stained with a mucicarmine stain (Newcomer Supply, Middleton, WI, USA). The red arrow indicates mucin expression in the cytoplasm.

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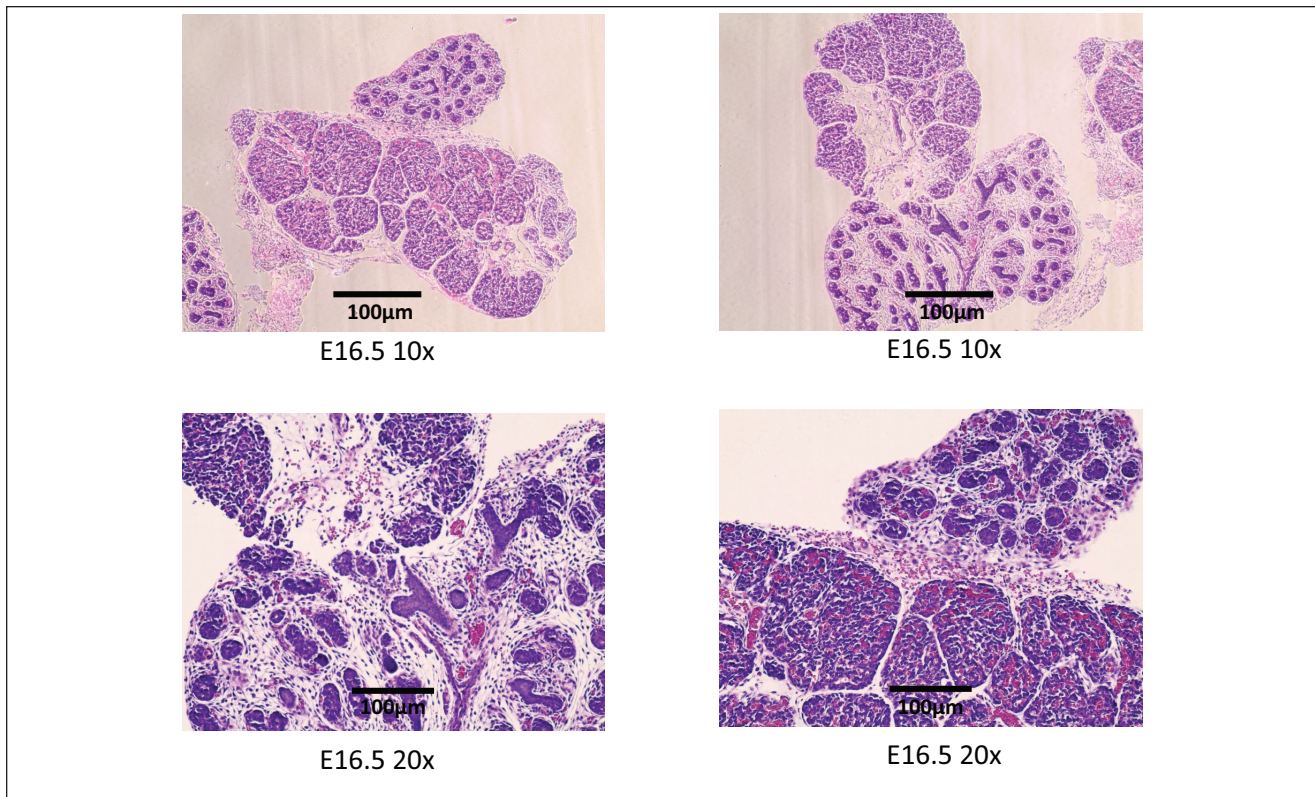
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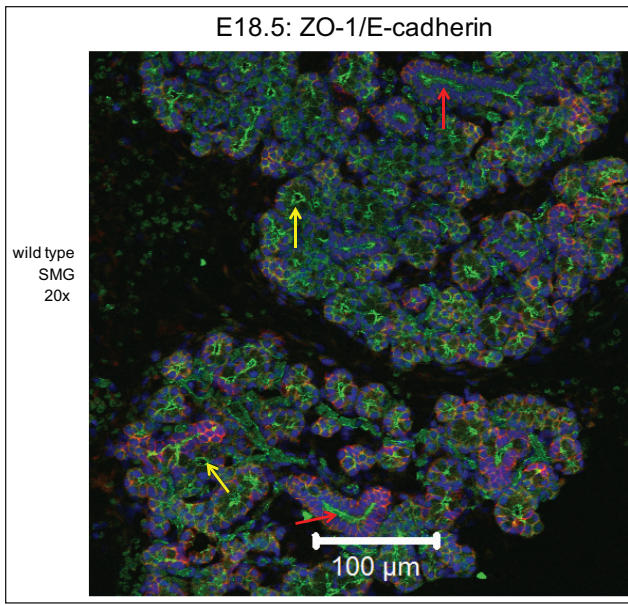
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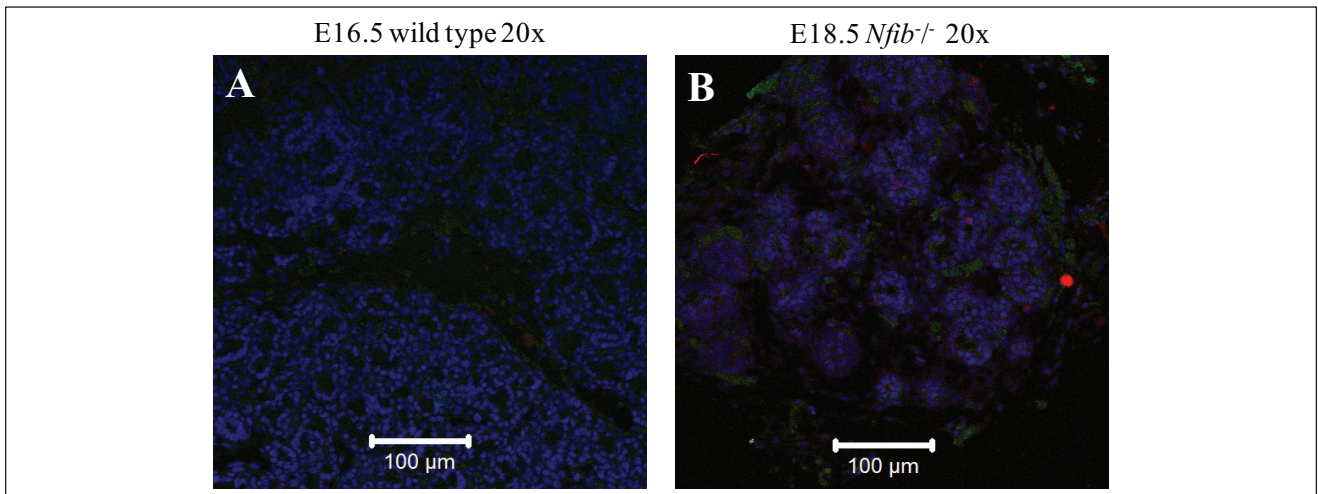
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Appendix Figure 2. Hematoxylin and eosin staining of E16.5 mouse tissue sections. Formalin-fixed E16.5 and E18.5 SMGs were dissected out, embedded in paraffin, and stained with hematoxylin and eosin. No sublingual gland is evident in either the wild-type or *Nfib*^{-/-} mice at age E16.5.



Appendix Figure 3. Ductal and terminal end bud lumen formation in E18.5 mouse tissue sections. Salivary glands were dissected, embedded in paraffin, and stained with ZO-1 (green) and E-cadherin (red) antibodies and propidium iodide (blue), as described in the Materials and Methods. Red arrows indicate ductal lumen formation and yellow arrows indicate terminal end bud lumen formation.



Appendix Figure 4. Negative control staining of E16.5 and E18.5 mouse tissue sections. Sections were incubated with Alexa Fluor 488-conjugated goat anti-rabbit (1:500 dilution in 5% goat serum; Sigma, St. Louis, MO, USA) and Alexa Fluor 633-conjugated goat anti-mouse (1:500 dilution in 5% goat serum; Sigma), as described in the Materials and Methods.