

Supplementary Material

corresponding to:

Spatiotemporal dynamics of lineage-specific epithelial maturation in the developing mouse stomach

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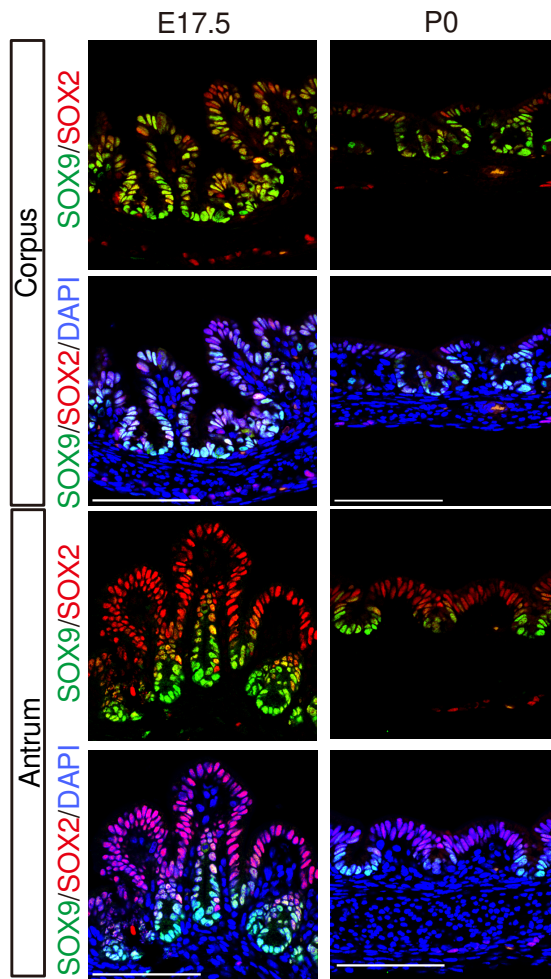


Fig. S1. Spatiotemporal expression of SOX9 and SOX2 in the corpus and antrum. Representative immunofluorescence images showing SOX9 (green) and SOX2 (red) expression, with nuclei counterstained with DAPI (blue). Images are representative of $n = 3$ embryos or mice per stage. Scale bars, 100 μ m.

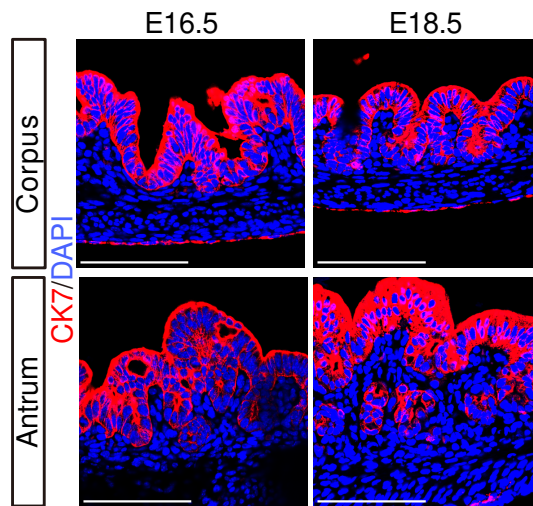


Fig. S2. Spatiotemporal expression of CK7 in the corpus and antrum. Representative immunofluorescence images showing CK7 (red), with nuclei counterstained with DAPI (blue). Images are representative of n = 3 embryos per stage. Scale bars, 100 μ m.

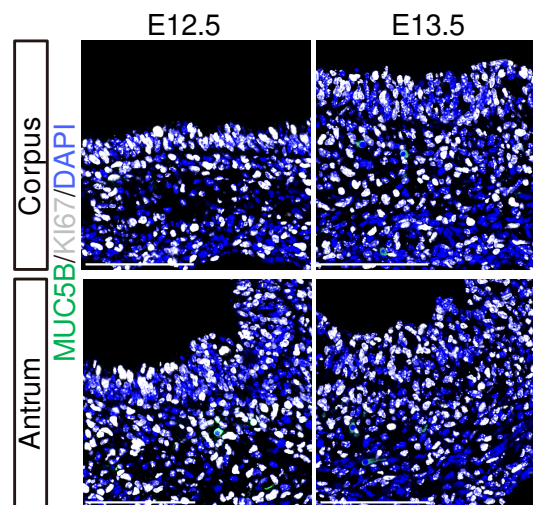


Fig. S3. Spatiotemporal expression of MUC5B and KI67 in the corpus and antrum. Representative immunofluorescence images showing MUC5B (green) and KI67 (white) expression, with nuclei counterstained with DAPI (blue). No detectable MUC5B expression was observed at E12.5 and E13.5. Images are representative of n = 3 embryos per stage. Scale bars, 100 μ m.

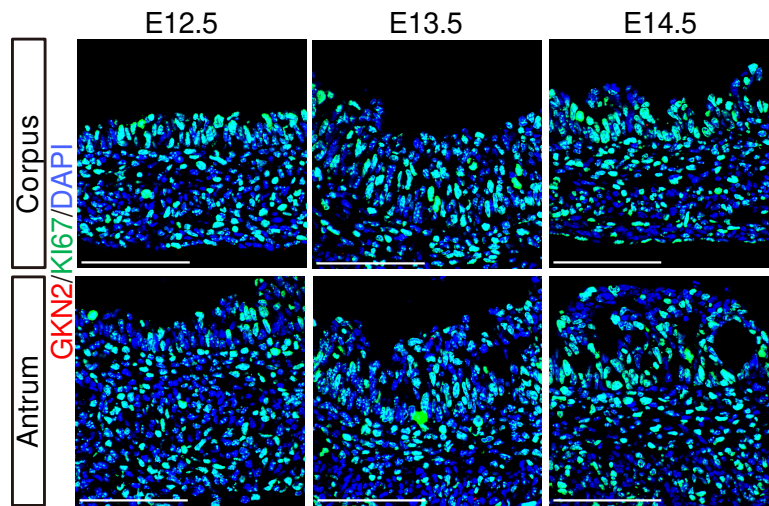


Fig. S4. Spatiotemporal expression of GKN2 and KI67 in the corpus and antrum. Representative immunofluorescence images showing GKN2 (red) and KI67 (green) expression, with nuclei counterstained with DAPI (blue). No detectable GKN2 expression was observed at E12.5–E14.5. Images are representative of $n = 3$ embryos per stage. Scale bars: 100 μ m.

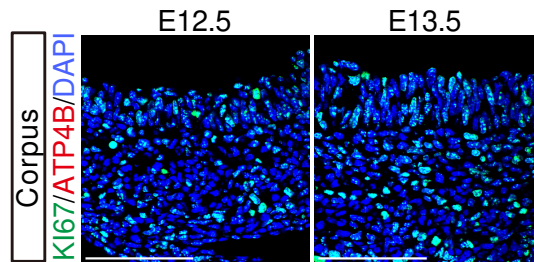


Fig. S5. Spatiotemporal expression of ATP4B and KI67 in the corpus. Representative immunofluorescence images showing ATP4B (red) and KI67 (green) expression, with nuclei counterstained with DAPI (blue). Images are representative of $n = 3$ embryos per stage. Scale bars: 100 μ m. No detectable ATP4B expression was observed at E12.5 and E13.5.

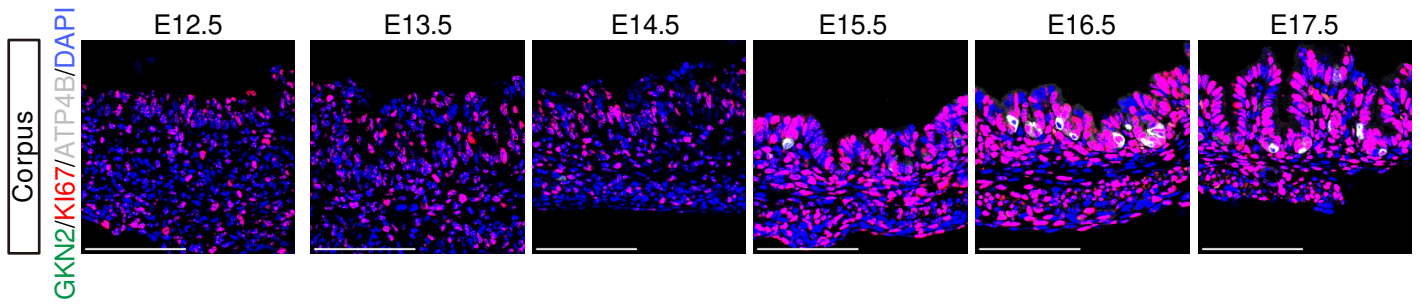


Fig. S6. Spatiotemporal expression of ATP4B, GKN2, and KI67 in the corpus. Representative immunofluorescence images showing GKN2 (green), KI67 (red), and ATP4B (white) expression, with nuclei counterstained with DAPI (blue). Images are representative of $n = 3$ embryos or mice per stage. Scale bars, 100 μ m.

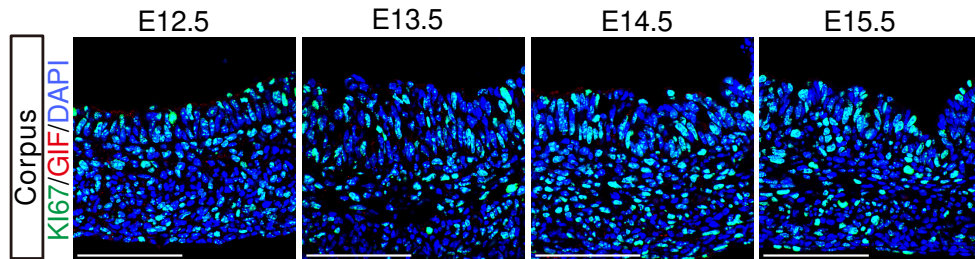


Fig. S7. Spatiotemporal expression of GIF and KI67 in the corpus. Representative immunofluorescence images showing GIF (red) and KI67 (green) expression, with nuclei counterstained with DAPI (blue). Images are representative of $n = 3$ embryos per stage. Scale bars, 100 μ m. No detectable GIF expression was observed at E12.5–E15.5.

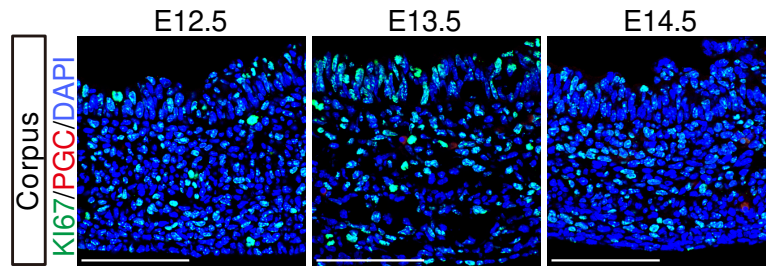


Fig. S8. Spatiotemporal expression of PGC and KI67 in the corpus. Representative immunofluorescence images showing PGC (red) and KI67 (green) expression, with nuclei counterstained with DAPI (blue). Images are representative of $n = 3$ embryos or mice per stage. Scale bars, 100 μm . No detectable PGC expression was observed at E12.5–E14.5.

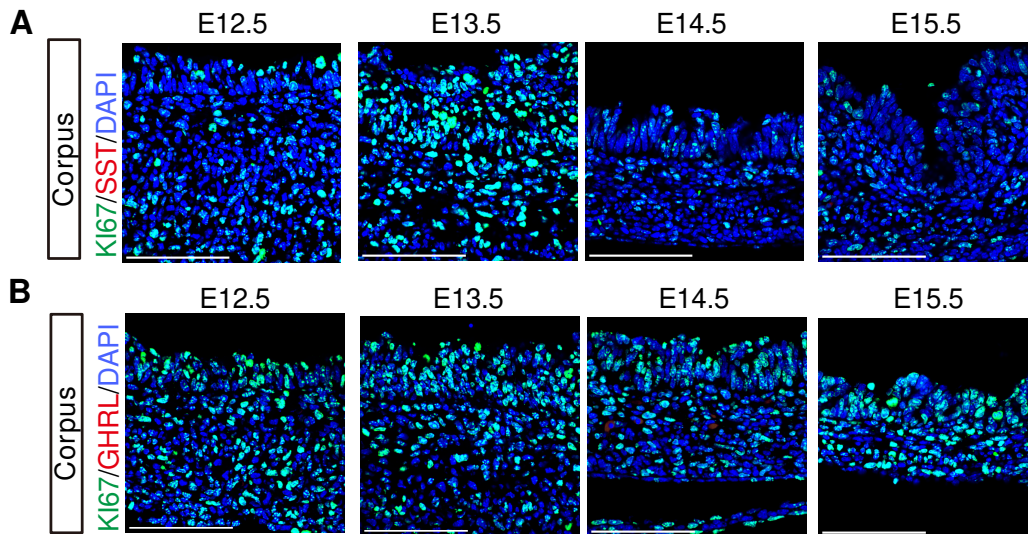


Fig. S9. Spatiotemporal expression of endocrine cell markers and KI67 in the corpus. (A,B) Representative immunofluorescence images showing SST (red) and KI67 (green) in (A) and GHRL (red) and KI67 (green) in (B), with nuclei counterstained with DAPI (blue). Images are representative of $n = 3$ embryos per stage. Scale bars, 100 μm . No detectable SST or GHRL expression was observed at E12.5–E15.5.