***eLife’s* transparent reporting form**

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* You should state whether an appropriate sample size was computed when the study was being designed
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Please indicate the figures or tables for which source data files have been provided:

* Sequencing data generated for this study have been deposited in GEO under the accession code GSE182886.
* All other data generated or analyzed during this study are included in the manuscript and supporting files.
* Source Data files have been provided in Figure 3-Source Data 1&2, Figure 4-Source Data 1&2, and Figure 6-Source Data 1.
* An online repository of the network and the data presented in this paper has been made available to the public at https://sites.google.com/view/the-alveologenesis-grn/home.