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Correction to: OTOGL, a gelforming mucin protein, is nonessential for male germ cell development and spermatogenesis in mice



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Correction to: Reprod Biol Endocrinol 19, 95 (2021) https://doi.org/10.1186/s12958-021-00779-0

Following publication of the original article [1], the authors reported an error in Fig. 1. The published Fig. 1B is an image of mRNA RT-qPCR analysis of Otogl levels in developing testes, rather than a protein quantification analysis image as labeled. We have attached a corrected version of Fig. 1B.

The labels of F and G in the published Fig. 2 should be interchanged. This error does not change the scientific conclusions of the article in any way. The authors apologize for this error.

The correct figures are presented below. The original article [1] has been updated.

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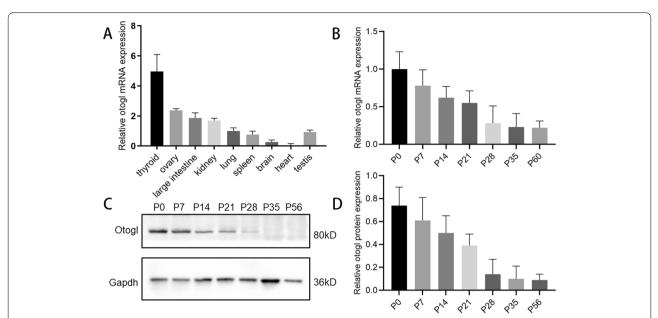


Fig. 1 OTOGL is expressed in spermatogenic cells in mice. **A** RT-qPCR analyses of *Otogl* mRNA levels in nine organs of adult mice. **B** RT-qPCR analyses of *Otogl* mRNA levels in developing testes. Testes at postnatal Day 0 (P0), P7, P14, P21, P28, P35, and P56 were analyzed. *Gapdh* served as a loading control. **C** Western blotting shows the OTOGL protein levels in mouse testes at P0, P7, P14, P21, P28, P35, and P56. GAPDH served as a loading control. **D** Quantification analyses of OTOGL protein levels in developing testes at P0, P7, P14, P21, P28, P35, and P56. Data are presented as mean \pm SD, n = 3

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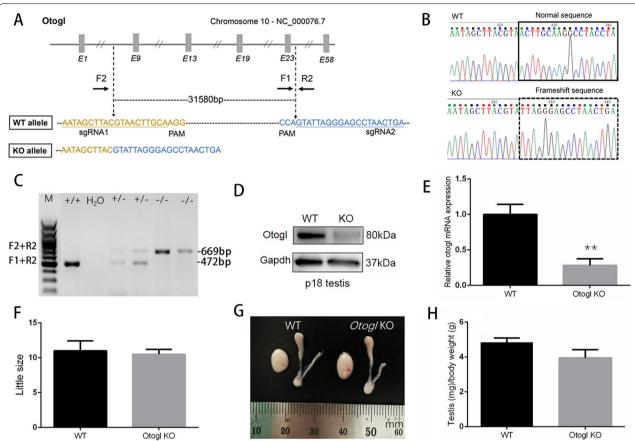


Fig. 2 OTOGL is nonessential for spermatogenesis in mice. **A** Schematic illustration of the targeting strategy for generating OTOGL deficiency in mouse testes. **B** The sequence of WT and *Otogl* KO alleles are shown, respectively. **C** Representative PCR genotyping results show that KO bands (669 bp) were detected larger than WT bands (472 bp). **D** Representative Western blot analysis of OTOGL protein levels in WT and KO adult testes. GAPDH served as a loading control. **E** RT-qPCR assays showing elevated *Otogl* mRNA levels in KO adult testes. Data are presented as mean \pm SD, n = 3. **P < 0.01 by student's t-test. **F** Average litter size of pups produced by *Otogl* KO and WT males mated with WT females. Data are presented as mean \pm SD, n = 3. **G** Similar gross morphology of WT and *Otogl* KO testes. One unit on the ruler is 1mm. **H** Testis/body weight ratio of WT and *Otogl* KO adult testes. Data are presented as mean \pm SD, n = 3.