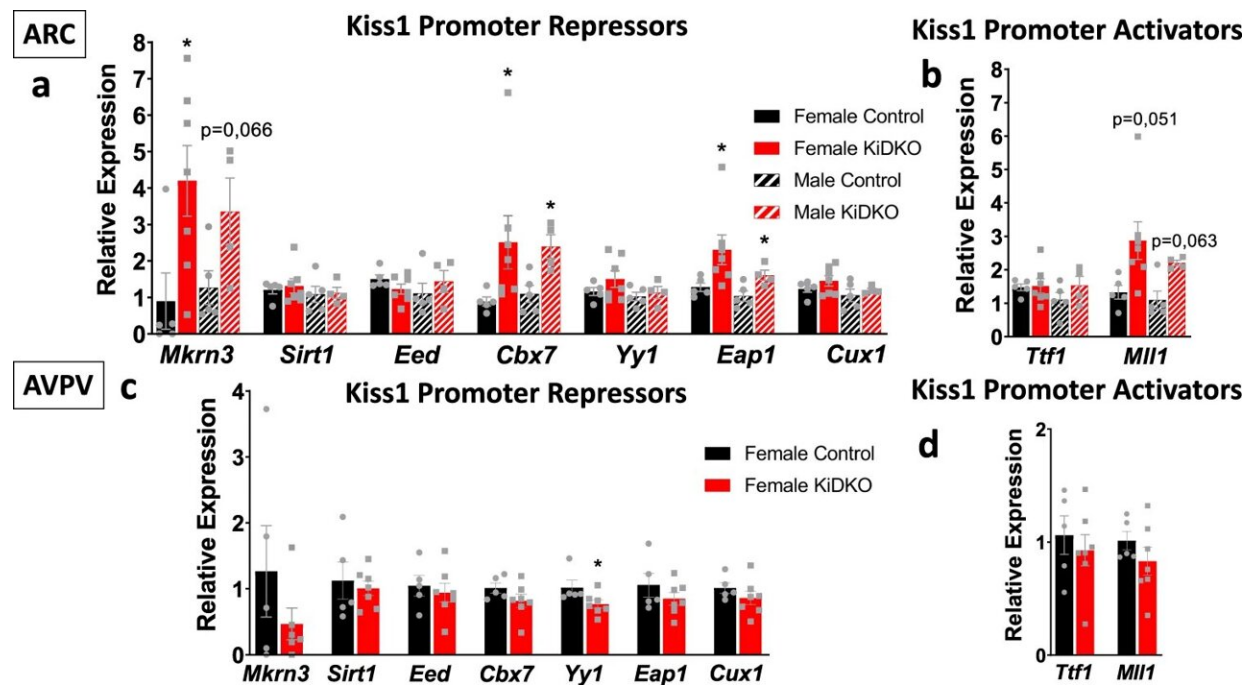


# Study identifies a new mechanism involved in the reproductive function

September 28 2022



Molecular mechanisms underlying Kiss1 neuronal alterations in KiDKO mice. Relative expression of Kiss1 promoter repressors, *Mkrn3*, *Sirt1*, *Eap1*, *Cux1*, and members of the Polycomb group, *Eed*, *Cbx7*, and *Yy1*, were analyzed in ARC Kiss1 neurons isolated by FACS from control and KiDKO male and female mice (a) and in AVPV Kiss1 neurons from control and KiDKO female mice (c). In addition, Kiss1 promoter activators, *Ttf1* and *Mll1*, were measured in the same ARC (b) and AVPV (d) Kiss1 neuronal samples. Groups sizes: n = 5 control females; n = 7 KiDKO females; n = 5 control males; n = 4 KiDKO males. The values are represented as the mean  $\pm$  SEM. \*P

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