**TABLE S5**

***Hstx2* candidate genes**

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The *Hstx2* locus comprises 4 protein coding and 4 predicted protein coding genes expressed in testes.

aPhysical positions given in coordinates of mouse reference C57BL/6J genome NCBI Assembly (GRCm38/GCA\_000001635.2)

Expression data were taken from: \*Margolin et al. (2014), #Jung et al. (2018), $Ball et al. (2016).

Abbreviations: leptotene, LEP; zygotene, ZYG; pachytene, PA; round spermatids, RS; elongated spermatids, ES. Single nucleotide polymorphisms (SNPs) between B6 and PWD within the protein coding regions.