



Welcome to GUDMAP

Please find below a set of GUDMAP exercise questions, which will take you through a selection of GUDMAP database tools.

Please go to www.gudmap.org

If there are any questions or comments, please contact gudmap-editors@gudmap.org

1. Within the testis, which structure expresses the gene *Dppa5a* (developmental pluripotency associated 5A)?
2. What is the gene expression profile of *Slc22a3* (solute carrier family 22, member 3) in the developing reproductive system?
3. Which genes are expressed in the renal medullary interstitium, outer medullary interstitium and inner medullary interstitium?
4. Which genes are directly associated with abnormal ureteropelvic junction morphology?
5. Which genes are associated with Human renal tubular dysgenesis and what are their chromosomal locations?
6. Which genes are known to be involved in the assembly of the filopodium?
7. What is the gene expression pattern of *Gsdmc2* (gasdermin C2) in the pelvic urothelial lining of the kidney pelvis at TS28?
8. Is there a Leydig cell specific mouse strain? Name the reporter allele.
9. How do you dissociate adult mouse Dorsal Root Ganglia (DRG) for Fluorescence-activated cell sorting (FACS)?
10. What autocrine signalling loops might be used by the ureteric bud continually throughout prenatal kidney development?

Once completed, we would appreciate your feedback. Please provide feedback at <http://www.gudmap.org/Feedback/popupgudmap.php>

Many thanks.