

KEY:

Red Highlights: Changes to be made to DB ontology based on differences with ontology in flat files (for Editorial Office Use Only)

Red text: Changes to be made to DB ontology that were unable to be made during last ontology update (for Editorial Office Use Only)

TS25 urinary and reproductive systems (17dpc)

EMAP:25790	mouse	
EMAP:9800		organ system
EMAP:9801		visceral organ
EMAP:10886		urinary system
EMAP:10894		mesentery
EMAP:29615		rest of mesentery
EMAP:10895		urogenital mesentery
EMAP:10896		metanephros (syn: kidney)
EMAP:10907		renal capsule
EMAP:27726		nephrogenic zone
EMAP:27733		nephrogenic interstitium (syn: peripheral blastema)
EMAP:27740		cap mesenchyme (syn: condensed mesenchyme)
EMAP:27747		pretubular aggregate (syn: pretubular condensate)
EMAP:27754		ureteric tip (syn: ureteric ampulla)
EMAP:31050		ureteric tree terminal branch excluding tip itself
EMAP:10906		renal cortex
EMAP:27833		renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31697		renal connecting segment of renal vesicle
EMAP:31728		distal renal vesicle
EMAP:31722		proximal renal vesicle
EMAP:27839		comma-shaped body
EMAP:27845		upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27851		lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31714		renal connecting segment of comma-shaped body
EMAP:27857		s-shaped body (syn: stage II nephron)
EMAP:27869		renal connecting tubule of s-shaped body
EMAP:27875		distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27881		medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27887		proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27899		visceral epithelium
EMAP:27905		parietal epithelium
EMAP:27911		capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27929		associated interstitium of renal corpuscle
EMAP:27923		parietal epithelium
EMAP:27941		presumptive endothelium of renal corpuscle
EMAP:27935		presumptive mesangium
EMAP:27917		visceral epithelium (syn: podocyte layer)
EMAP:27947		maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27953		maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27959		glomerular capillary system of maturing glomerular tuft
EMAP:27965		glomerular mesangium
EMAP:27971		visceral epithelium (syn: podocyte layer)
EMAP:30969		glomerular basement membrane
EMAP:27977		Bowman's capsule (syn: glomerular capsule)
EMAP:27983		parietal epithelium
EMAP:27989		urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30035		glomerular mesangium of Bowman's capsule
EMAP:27995		juxtaglomerular arteriole
EMAP:28231		afferent arteriole
EMAP:28234		efferent arteriole
EMAP:28237		mature renal corpuscle (syn: Malpighian corpuscle)
EMAP:28240		glomerular tuft (syn: glomerulus)
EMAP:28246		glomerular capillary system
EMAP:28249		glomerular mesangium
EMAP:28252		glomerular basement membrane
EMAP:28255		visceral epithelium (syn: podocyte layer)
EMAP:28258		Bowman's capsule (syn: glomerular capsule)
EMAP:28261		parietal epithelium
EMAP:28264		urinary space of renal corpuscle (syn: Bowman's space)
EMAP:28267		afferent arteriole
EMAP:28270		part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28273		rest of afferent arteriole
EMAP:28276		efferent arteriole

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EMAP:28279					└─ extraglomerular mesangium
EMAP:10916					└─ cortical renal tubule
EMAP:28282					└─ renal proximal tubule
EMAP:28285					└─ early proximal tubule
EMAP:31705					└─ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613					└─ early proximal tubule of maturing nephron
EMAP:28288					└─ renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285					└─ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388					└─ renal distal tubule
EMAP:28391					└─ early distal tubule
EMAP:31640					└─ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31619					└─ early distal tubule of maturing nephron
EMAP:28394					└─ distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397					└─ distal straight tubule (syn: thick ascending limb)
EMAP:31380					└─ premacula segment of distal straight tubule
EMAP:28400					└─ macula densa
EMAP:28403					└─ postmacula segment of distal straight tubule
EMAP:28015					└─ renal connecting tubule
EMAP:31625					└─ renal connecting tubule of capillary loop nephron
EMAP:31631					└─ renal connecting tubule of maturing nephron
EMAP:31634					└─ renal connecting tubule of mature nephron
EMAP:28134					└─ cortical collecting duct
EMAP:28140					└─ renal cortical interstitium (syn: cortical stroma)
EMAP:31292					└─ renal cortical fibroblasts
EMAP:31300					└─ resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31308					└─ rest of renal cortical interstitium
EMAP:28145					└─ renal cortical vasculature
EMAP:28150					└─ renal cortical arterial system
EMAP:28213					└─ interlobular artery
EMAP:28216					└─ arcuate artery
EMAP:28155					└─ renal cortical venous system
EMAP:28219					└─ interlobular vein
EMAP:28222					└─ arcuate vein
EMAP:30040					└─ renal cortical capillary
EMAP:31315					└─ renal cortical lymphatics
EMAP:31322					└─ renal cortical nerves
EMAP:28045					└─ renal medulla
EMAP:10911					└─ renal medullary interstitium (syn: medullary stroma)
EMAP:31329					└─ renal medullary fibroblasts
EMAP:31336					└─ resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31343					└─ rest of renal medullary interstitium
EMAP:28311					└─ outer medulla
EMAP:28323					└─ loop of Henle, outer medullary portion
EMAP:28326					└─ thin descending limb
EMAP:28329					└─ thin ascending limb (syn: ascending thin limb)
EMAP:28863					└─ proximal straight tubule (syn: pars recta; segment 3 of proximal tubule)
EMAP:28332					└─ premacula segment of distal straight tubule (syn: thick ascending limb)
EMAP:28338					└─ outer medullary interstitium
EMAP:31385					└─ outer medullary fibroblast
EMAP:31390					└─ resident macrophage of the outer medulla (syn: renal monocytes of the outer medulla)
EMAP:31395					└─ rest of outer medullary interstitium
EMAP:28347					└─ outer medullary collecting duct
EMAP:28350					└─ inner medulla (syn: papilla)
EMAP:28353					└─ loop of Henle, inner medullary portion
EMAP:28356					└─ thin descending limb
EMAP:28359					└─ bend (syn: U-turn)
EMAP:28362					└─ thin ascending limb (syn: ascending thin limb)
EMAP:28365					└─ inner medullary interstitium (syn: papillary interstitium)
EMAP:31400					└─ inner medullary fibroblast
EMAP:31405					└─ resident macrophage of the inner medulla (syn: renal monocytes of the inner medulla)
EMAP:31410					└─ rest of inner medullary interstitium
EMAP:28371					└─ inner medullary collecting duct (syn: papillary collecting duct)
EMAP:28160					└─ renal medullary vasculature
EMAP:28165					└─ renal medullary arterial system
EMAP:28170					└─ renal medullary venous system
EMAP:30046					└─ renal medullary capillary (syn: vasa recta)
EMAP:31350					└─ renal medullary lymphatics
EMAP:31357					└─ renal medullary nerves
EMAP:10899					└─ calyx
EMAP:10900					└─ major
EMAP:10901					└─ minor
EMAP:10902					└─ pelvis

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EMAP:28707					mesenchymal layer of pelvic urethra of male
EMAP:31744					└ mesenchymal layer of dorsal pelvic urethra of male
EMAP:31735					└ mesenchymal layer of ventral pelvic urethra of male
EMAP:28713					└ muscle layer of pelvic urethra of male
EMAP:31756					└ muscle layer of dorsal pelvic urethra of male
EMAP:31753					└ muscle layer of ventral pelvic urethra of male
EMAP:31787					└ nerve of pelvic urethra of male
EMAP:28719					└ phallic urethra of male (syn: external urethra of male)
EMAP:28854					└ epithelial layer of phallic urethra of male
EMAP:28857					└ mesenchymal layer of phallic urethra of male
EMAP:28860					└ muscle layer of phallic urethra of male
EMAP:31803					└ nerve of phallic urethra of male
EMAP:10913					└ urorectal septum
EMAP:31646					└ pelvic ganglion
EMAP:9802					└ reproductive system
EMAP:9803					└ male reproductive system
EMAP:9804					└ testis
EMAP:29194					└ rete testis
EMAP:9809					└ interstitium of the testis (syn: interstitial tissue)
EMAP:12996					└ fetal Leydig cell
EMAP:12998					└ rest of interstitium of the testis (syn: non-specific mesenchyme)
EMAP:13004					└ tunica vaginalis testis
EMAP:9807					└ seminiferous cord (syn: seminiferous tubule)
EMAP:13000					└ Sertoli cell
EMAP:9808					└ germ cell of testis
EMAP:29247					└ peritubular myoid cell
EMAP:9813					└ mediastinum testis
EMAP:29120					└ developing vasculature of the testis
EMAP:29128					└ coelomic vessel
EMAP:29136					└ interstitial vessel
EMAP:29264					└ tunica albuginea of testis
EMAP:31241					└ surface epithelium of testis
EMAP:29305					└ cystic vesicular appendage
EMAP:26916					└ inguinal canal
EMAP:29308					└ inguinal ring
EMAP:29311					└ external inguinal ring
EMAP:29314					└ internal inguinal ring
EMAP:13006					└ seminal vesicle (syn: vesicular seminalis)
EMAP:29322					└ glandular tissue of seminal vesicle
EMAP:29284					└ duct of the seminal vesicle
EMAP:10947					└ efferent duct of seminal vesicle (syn: vasa efferentia)
EMAP:29319					└ epididymis
EMAP:30587					└ caput epididymis
EMAP:30613					└ epithelium of caput of epididymis
EMAP:30617					└ muscle layer of caput of epididymis
EMAP:30621					└ adventitia of caput of epididymis
EMAP:31206					└ developing vasculature of caput epididymis
EMAP:30583					└ cauda epididymis
EMAP:30589					└ epithelium of cauda of epididymis
EMAP:30593					└ muscle layer of cauda of epididymis
EMAP:30597					└ adventitia of cauda of epididymis
EMAP:31196					└ developing vasculature of cauda epididymis
EMAP:30585					└ corpus epididymis
EMAP:30601					└ epithelium of corpus epididymis
EMAP:30605					└ muscle layer of corpus of epididymis
EMAP:30609					└ adventitia of corpus of epididymis
EMAP:31201					└ developing vasculature of corpus epididymis
EMAP:31185					└ developing vasculature of epididymis
EMAP:10938					└ ductus deferens (syn: vas deferens)
EMAP:29276					└ epithelium of ductus deferens
EMAP:29272					└ muscle layer of ductus deferens
EMAP:31191					└ developing vasculature of ductus deferens
EMAP:12723					└ appendix epididymis
EMAP:12726					└ appendix testis
EMAP:12729					└ ejaculatory duct
EMAP:12733					└ gubernaculum (syn: caudal suspensory ligament)
EMAP:10940					└ mesorchium
EMAP:10941					└ penis (syn: genital tubercle of male)
EMAP:10942					└ glans penis
EMAP:30647					└ surface epithelium of glans penis
EMAP:30643					└ mesenchyme of glans penis
EMAP:30663					└ crus penis

TS25 Groups

'G' : Term is a group.

EMAP:25790	mouse				
EMAP:9800					organ system
EMAP:9801					visceral organ
EMAP:10886					urinary system
EMAP:10896					metanephros (syn: kidney)
EMAP:10906					renal cortex
EMAP:10916					cortical renal tubule
EMAP:31822	G				cortical renal tubule of capillary loop nephron GROUP
EMAP:31285					anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640					early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705					early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625					renal connecting tubule of capillary loop nephron
EMAP:31816	G				cortical renal tubule of maturing nephron GROUP
EMAP:31619					early distal tubule of maturing nephron
EMAP:31613					early proximal tubule of maturing nephron
EMAP:31631					renal connecting tubule of maturing nephron
EMAP:31791	G				cortical renal tubule of mature nephron GROUP
EMAP:28394					distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397					distal straight tubule (syn: thick ascending limb)
EMAP:31380					premacula segment of distal straight tubule
EMAP:28400					macula densa
EMAP:28403					postmacula segment
EMAP:31634					renal connecting tubule of mature nephron
EMAP:28288					renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:28504	G				early tubule
EMAP:27833					renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31697					renal connecting segment of renal vesicle
EMAP:31728					distal renal vesicle
EMAP:31722					proximal renal vesicle
EMAP:27839					comma-shaped body
EMAP:27845					upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27851					lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31714					renal connecting segment of comma-shaped body
EMAP:27857					s-shaped body (syn: stage II nephron)
EMAP:27869					renal connecting tubule of s-shaped body
EMAP:27875					distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27881					medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27887					proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27899					visceral epithelium
EMAP:27905					parietal epithelium
EMAP:28510	G				developing capillary loop stage nephron GROUP (syn: stage III nephron)
EMAP:27911					capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27929					associated interstitium of renal corpuscle
EMAP:27923					parietal epithelium
EMAP:27941					presumptive endothelium of renal corpuscle
EMAP:27935					presumptive mesangium
EMAP:27917					visceral epithelium (syn: podocyte layer)
EMAP:10916					cortical renal tubule
EMAP:28282					renal proximal tubule
EMAP:28285					early proximal tubule
EMAP:31705					early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613					early proximal tubule of maturing nephron
EMAP:28288					renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285					anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388					renal distal tubule
EMAP:28391					early distal tubule
EMAP:31640					early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31619					early distal tubule of maturing nephron
EMAP:28394					distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397					distal straight tubule (syn: thick ascending limb)
EMAP:31380					premacula segment of distal straight tubule
EMAP:28400					macula densa
EMAP:28403					postmacula segment
EMAP:28015					renal connecting tubule
EMAP:31625					renal connecting tubule of capillary loop nephron
EMAP:31631					renal connecting tubule of maturing nephron
EMAP:31634					renal connecting tubule of mature nephron

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EMAP:31822						cortical renal tubule of capillary loop nephron GROUP
EMAP:31285						anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640						early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705						early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625						└ renal connecting tubule of capillary loop nephron
EMAP:31816						cortical renal tubule of maturing nephron GROUP
EMAP:31619						└ early distal tubule of maturing nephron
EMAP:31613						└ early proximal tubule of maturing nephron
EMAP:31631						└ renal connecting tubule of maturing nephron
EMAP:31791						└ cortical renal tubule of mature nephron GROUP
EMAP:28394						└ distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397						└ distal straight tubule (syn: thick ascending limb)
EMAP:31380						└└ premacula segment of distal straight tubule
EMAP:28400						└└ macula densa
EMAP:28403						└└ postmacula segment
EMAP:31634						└ renal connecting tubule of mature nephron
EMAP:28288						└ renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:28489	G					└ maturing nephron (syn: stage IV nephron)
EMAP:27947						└ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27953						└ maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27959						└└ glomerular capillary system of maturing glomerular tuft
EMAP:27965						└└ glomerular mesangium
EMAP:27971						└└ visceral epithelium (syn: podocyte layer)
EMAP:30969						└└ glomerular basement membrane
EMAP:27977						└ Bowman's capsule (syn: glomerular capsule)
EMAP:27983						└└ parietal epithelium
EMAP:27989						└└ urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30035						└└ glomerular mesangium of Bowman's capsule
EMAP:27995						└└ juxtaglomerular arteriole
EMAP:28231						└└ afferent arteriole
EMAP:28234						└└ efferent arteriole
EMAP:10916						└ cortical renal tubule
EMAP:28282						└ renal proximal tubule
EMAP:28285						└└ early proximal tubule
EMAP:31705						└└└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613						└└└ early proximal tubule of maturing nephron
EMAP:28288						└└ renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285						└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388						└ renal distal tubule
EMAP:28391						└└ early distal tubule
EMAP:31640						└└└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31619						└└└ early distal tubule of maturing nephron
EMAP:28394						└ distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397						└└ distal straight tubule (syn: thick ascending limb)
EMAP:31380						└└└ premacula segment of distal straight tubule
EMAP:28400						└└└ macula densa
EMAP:28403						└└└ postmacula segment
EMAP:28015						└ renal connecting tubule
EMAP:31625						└└ renal connecting tubule of capillary loop nephron
EMAP:31631						└└ renal connecting tubule of maturing nephron
EMAP:31634						└└ renal connecting tubule of mature nephron
EMAP:31822						└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31285						└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640						└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705						└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625						└└ renal connecting tubule of capillary loop nephron
EMAP:31816						└ cortical renal tubule of maturing nephron GROUP
EMAP:31619						└└ early distal tubule of maturing nephron
EMAP:31613						└└ early proximal tubule of maturing nephron
EMAP:31631						└└ renal connecting tubule of maturing nephron
EMAP:31791						└└ cortical renal tubule of mature nephron GROUP
EMAP:28394						└└ distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397						└└ distal straight tubule (syn: thick ascending limb)
EMAP:31380						└└└ premacula segment of distal straight tubule
EMAP:28400						└└└ macula densa
EMAP:28403						└└└ postmacula segment
EMAP:31634						└ renal connecting tubule of mature nephron
EMAP:28288						└ renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:28531	G					└ late tubule
EMAP:27911						└ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27929						└ associated interstitium of renal corpuscle
EMAP:27923						└ parietal epithelium

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EMAP:28411	G					collecting duct (syn: ureteric tree)
EMAP:27754						├ ureteric tip (syn: ureteric ampulla)
EMAP:31050						├ ureteric tree terminal branch excluding tip itself
EMAP:28525						└ ureteric trunk
EMAP:28134						├ cortical collecting duct
EMAP:28347						├ outer medullary collecting duct
EMAP:28371						└ inner medullary collecting duct (syn: papillary collecting duct)
EMAP:28525	G					├ ureteric trunk
EMAP:28134						├ cortical collecting duct
EMAP:28347						├ outer medullary collecting duct
EMAP:28371						└ inner medullary collecting duct (syn: papillary collecting duct)
EMAP:28522	G					├ renal interstitium group
EMAP:27733						├ nephrogenic interstitium (syn: peripheral blastema)
EMAP:27929						├ associated interstitium of renal corpuscle
EMAP:27935						├ presumptive mesangium
EMAP:27965						├ glomerular mesangium
EMAP:28249						├ glomerular mesangium
EMAP:28279						├ extraglomerular mesangium
EMAP:28140						├ renal cortical interstitium (syn: cortical stroma)
EMAP:31292						├ renal cortical fibroblasts
EMAP:31300						├ resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31308						└ rest of renal cortical interstitium
EMAP:10911						├ renal medullary interstitium (syn: medullary stroma)
EMAP:31329						├ renal medullary fibroblasts
EMAP:31336						├ resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31343						└ rest of renal medullary interstitium
EMAP:28338						├ outer medullary interstitium
EMAP:31385						├ outer medullary fibroblast
EMAP:31390						├ resident macrophage of the outer medulla (syn: renal monocytes of the outer medulla)
EMAP:31395						└ rest of outer medullary interstitium
EMAP:28365						├ inner medullary interstitium (syn: papillary interstitium)
EMAP:31400						├ inner medullary fibroblast
EMAP:31405						├ resident macrophage of the inner medulla (syn: renal monocytes of the inner medulla)
EMAP:31410						└ rest of inner medullary interstitium
EMAP:28087						├ perihilar interstitium
EMAP:31363						├ perihilar fibroblast
EMAP:31369						├ resident macrophage of the perihilar interstitium (syn: renal monocytes of the perihilar interstitium)
EMAP:31375						└ rest of perihilar interstitium
EMAP:31472	G					├ small blood vessels
EMAP:30040						├ renal cortical capillary
EMAP:28276						├ efferent arteriole
EMAP:28165						├ renal medullary arterial system
EMAP:28267						├ afferent arteriole
EMAP:28270						├ part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28273						└ rest of afferent arteriole
EMAP:28246						├ glomerular capillary system
EMAP:27959						├ glomerular capillary system of maturing glomerular tuft
EMAP:30046						├ renal medullary capillary (syn: vasa recta)
EMAP:28170						└ renal medullary venous system
EMAP:31446	G					├ renal capillaries
EMAP:28246						├ glomerular capillary system
EMAP:30040						├ renal cortical capillary
EMAP:30046						└ renal medullary capillary (syn: vasa recta)
EMAP:31773	G					├ developing vasculature of urinary system GROUP
EMAP:28462						├ renal vasculature
EMAP:28246						├ glomerular capillary system
EMAP:27959						├ glomerular capillary system of maturing glomerular tuft
EMAP:27995						├ juxtaglomerular arteriole
EMAP:28231						├ afferent arteriole
EMAP:28234						└ efferent arteriole
EMAP:27941						├ presumptive endothelium of renal corpuscle
EMAP:28374						├ renal artery
EMAP:29979						├ endothelial layer of renal artery
EMAP:30000						├ endothelium of renal artery
EMAP:30008						└ smooth muscle layer of renal artery
EMAP:28377						├ renal vein
EMAP:29967						├ endothelial layer of renal vein
EMAP:30016						├ endothelium of renal vein
EMAP:30024						└ smooth muscle layer of renal vein
EMAP:30046						├ renal medullary capillary (syn: vasa recta)
EMAP:28213						├ interlobular artery
EMAP:28216						├ arcuate artery

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EMAP:31196				└─┬ developing vasculature of cauda epididymis
EMAP:30980	G		└─┬ male external genitalia	
EMAP:10941			└─┬ penis (syn: genital tubercle of male)	
EMAP:10942			└─┬ └─┬ glans penis	
EMAP:30647			└─┬ └─┬ └─┬ surface epithelium of glans penis	
EMAP:30643			└─┬ └─┬ └─┬ └─┬ mesenchyme of glans penis	
EMAP:30663			└─┬ └─┬ crus penis	
EMAP:30669			└─┬ └─┬ └─┬ surface epithelium of crus penis	
EMAP:30665			└─┬ └─┬ └─┬ └─┬ mesenchyme of crus penis	
EMAP:10943			└─┬ └─┬ prepuce of male	
EMAP:30656			└─┬ └─┬ └─┬ prepuce surface epithelium of male	
EMAP:30660			└─┬ └─┬ └─┬ preputial gland of male	
EMAP:30651			└─┬ └─┬ └─┬ └─┬ prepuce mesenchyme of male	
EMAP:29317			└─┬ └─┬ scrotal fold	
EMAP:30626			└─┬ └─┬ └─┬ scrotal fold mesenchyme of male	
EMAP:30629			└─┬ └─┬ └─┬ scrotal fold surface epithelium of male	
EMAP:10917			└─┬ female reproductive system	
EMAP:10923			└─┬ └─┬ ovary	
EMAP:31060	G		└─┬ └─┬ └─┬ ovigerous cord	
EMAP:31031			└─┬ └─┬ └─┬ └─┬ meiotic oocytes	
EMAP:31037			└─┬ └─┬ └─┬ └─┬ pre-granulosa cell	
EMAP:10936			└─┬ └─┬ vagina	
EMAP:30993	G		└─┬ └─┬ └─┬ epithelium of vagina	
EMAP:29059			└─┬ └─┬ └─┬ └─┬ epithelial layer of lower part of vagina	
EMAP:29053			└─┬ └─┬ └─┬ └─┬ epithelial layer of upper part of vagina	
EMAP:30999	G		└─┬ └─┬ └─┬ muscular layer of vagina	
EMAP:29063			└─┬ └─┬ └─┬ └─┬ muscular layer of lower part of vagina	
EMAP:29056			└─┬ └─┬ └─┬ └─┬ muscular layer of upper part of vagina	
EMAP:31231	G		└─┬ └─┬ developing vasculature of vagina	
EMAP:31226			└─┬ └─┬ └─┬ developing vasculature of lower part of vagina	
EMAP:31221			└─┬ └─┬ └─┬ developing vasculature of upper part of vagina	
EMAP:30987	G		└─┬ └─┬ female external genitalia	
EMAP:10919			└─┬ └─┬ └─┬ genital tubercle of female (syn: clitoris anlage)	
EMAP:12986			└─┬ └─┬ └─┬ └─┬ glans clitoris	
EMAP:30721			└─┬ └─┬ └─┬ └─┬ └─┬ surface epithelium of glans clitoris	
EMAP:30716			└─┬ └─┬ └─┬ └─┬ └─┬ └─┬ mesenchyme of glans clitoris	
EMAP:12984			└─┬ └─┬ └─┬ └─┬ crus of clitoris	
EMAP:30731			└─┬ └─┬ └─┬ └─┬ └─┬ surface epithelium of crus of clitoris	
EMAP:30726			└─┬ └─┬ └─┬ └─┬ └─┬ └─┬ mesenchyme of crus of clitoris	
EMAP:30700			└─┬ └─┬ └─┬ prepuce of female	
EMAP:30708			└─┬ └─┬ └─┬ └─┬ prepuce surface epithelium of female	
EMAP:30712			└─┬ └─┬ └─┬ └─┬ preputial gland of female	
EMAP:30704			└─┬ └─┬ └─┬ └─┬ └─┬ prepuce mesenchyme of female	
EMAP:10921			└─┬ └─┬ └─┬ labial swelling (syn: labia)	
EMAP:30440			└─┬ └─┬ └─┬ └─┬ surface epithelium of labial swelling	
EMAP:30435			└─┬ └─┬ └─┬ └─┬ └─┬ mesenchymal layer of labial swelling	
EMAP:31782	G		└─┬ developing vasculature of reproductive system GROUP	
EMAP:28894			└─┬ └─┬ developing vasculature of ovary	
EMAP:29120			└─┬ └─┬ └─┬ developing vasculature of the testis	
EMAP:29128			└─┬ └─┬ └─┬ └─┬ coelomic vessel	
EMAP:29136			└─┬ └─┬ └─┬ └─┬ interstitial vessel	
EMAP:31465	G		└─┬ large blood vessels	
EMAP:28216			└─┬ └─┬ arcuate artery	
EMAP:28222			└─┬ └─┬ arcuate vein	
EMAP:28213			└─┬ └─┬ interlobular artery	
EMAP:28219			└─┬ └─┬ interlobular vein	
EMAP:10108			└─┬ └─┬ renal artery	
EMAP:13092			└─┬ └─┬ renal vein	