

KEY:

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

TS24 urinary and reproductive systems (16dpc)

EMAP:25789	mouse
EMAP:8440	organ system
EMAP:8441	visceral organ
EMAP:9526	urinary system
EMAP:9534	mesentery
EMAP:29614	rest of mesentery
EMAP:9535	urogenital mesentery
EMAP:9536	metanephros (syn: kidney)
EMAP:9547	renal capsule
EMAP:27725	nephrogenic zone
EMAP:27732	nephrogenic interstitium (syn: peripheral blastema)
EMAP:27739	cap mesenchyme (syn: condensed mesenchyme)
EMAP:27746	pretubular aggregate (syn: pretubular condensate)
EMAP:27753	ureteric tip (syn: ureteric ampulla)
EMAP:31049	ureteric tree terminal branch excluding tip itself
EMAP:9546	renal cortex
EMAP:27832	renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31696	renal connecting segment of renal vesicle
EMAP:31727	distal renal vesicle
EMAP:31721	proximal renal vesicle
EMAP:27838	comma-shaped body
EMAP:27844	upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27850	lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31713	renal connecting segment of comma-shaped body
EMAP:27856	s-shaped body (syn: stage II nephron)
EMAP:27868	renal connecting tubule of s-shaped body
EMAP:27874	distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27880	medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27886	proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27898	visceral epithelium
EMAP:27904	parietal epithelium
EMAP:27910	capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27928	associated interstitium of renal corpuscle
EMAP:27922	parietal epithelium
EMAP:27940	presumptive endothelium of renal corpuscle
EMAP:27934	presumptive mesangium
EMAP:27916	visceral epithelium (syn: podocyte layer)
EMAP:27946	maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27952	maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27958	glomerular capillary system of maturing glomerular tuft
EMAP:27964	glomerular mesangium
EMAP:27970	visceral epithelium (syn: podocyte layer)
EMAP:30968	glomerular basement membrane
EMAP:27976	Bowman's capsule (syn: glomerular capsule)
EMAP:27982	parietal epithelium
EMAP:27988	urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30034	glomerular mesangium of Bowman's capsule
EMAP:27994	juxtaglomerular arteriole
EMAP:9556	cortical renal tubule
EMAP:28006	early proximal tubule
EMAP:31710	early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31704	early proximal tubule of maturing nephron
EMAP:31284	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28010	early distal tubule
EMAP:31612	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31618	early distal tubule of maturing nephron
EMAP:28014	renal connecting tubule
EMAP:31624	renal connecting tubule of capillary loop nephron

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EMAP:31630			└ renal connecting tubule of maturing nephron
EMAP:28133			└ cortical collecting duct
EMAP:28139			└ renal cortical interstitium (syn: cortical stroma)
EMAP:31291			└ renal cortical fibroblasts
EMAP:31299			└ resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31307			└ rest of renal cortical interstitium
EMAP:28144			└ renal cortical vasculature
EMAP:28149			└ renal cortical arterial system
EMAP:28154			└ renal cortical venous system
EMAP:30039			└ renal cortical capillary
EMAP:31314			└ renal cortical lymphatics
EMAP:31321			└ renal cortical nerves
EMAP:28044			└ renal medulla
EMAP:30865			└ immature loop of Henle (syn: anlagen of loop of Henle)
EMAP:31020			└ straight limb
EMAP:31024			└ bend (syn: U-turn)
EMAP:31419			└ rest of medullary renal tubule
EMAP:28064			└ medullary collecting duct
EMAP:9551			└ renal medullary interstitium (syn: medullary stroma)
EMAP:31328			└ renal medullary fibroblasts
EMAP:31335			└ resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31342			└ rest of renal medullary interstitium
EMAP:28159			└ renal medullary vasculature
EMAP:28164			└ renal medullary arterial system
EMAP:28169			└ renal medullary venous system
EMAP:30045			└ renal medullary capillary (syn: vasa recta)
EMAP:31349			└ renal medullary lymphatics
EMAP:31356			└ renal medullary nerves
EMAP:9539			└ calyx
EMAP:9542			└ pelvis
EMAP:28080			└ pelvic urothelial lining (syn: pelvic urothelium)
EMAP:28122			└ pelvic smooth muscle
EMAP:28086			└ perihilar interstitium
EMAP:31362			└ perihilar fibroblast
EMAP:31368			└ resident macrophage of the perihilar interstitium (syn: renal monocytes of the perihilar interstitium)
EMAP:31374			└ rest of perihilar interstitium
EMAP:28382			└ renal artery
EMAP:29978			└ endothelial layer of renal artery
EMAP:29999			└ endothelium of renal artery
EMAP:30007			└ smooth muscle layer of renal artery
EMAP:28386			└ renal vein
EMAP:29966			└ endothelial layer of renal vein
EMAP:30015			└ endothelium of renal vein
EMAP:30023			└ smooth muscle layer of renal vein
EMAP:9544			└ ureter
EMAP:28092			└ urothelium (syn: transitional epithelium)
EMAP:28592			└ superficial cellular layer (syn: umbrella cell)
EMAP:28104			└ deep cellular layer (syn: basal urothelium)
EMAP:28803			└ intermediate cell layer
EMAP:28808			└ basal cell layer
EMAP:28560			└ ureteral mesenchyme
EMAP:28566			└ subepithelial layer (syn: presumptive lamina propria)
EMAP:28813			└ ureteral smooth muscle layer (syn: presumptive ureteral smooth muscle layer)
EMAP:28816			└ smooth muscle component
EMAP:30152			└ interstitium (syn: Cajal cell)
EMAP:28574			└ outer layer (syn: presumptive adventitia)
EMAP:30855			└ ureteral vasculature
EMAP:9528			└ bladder
EMAP:28604			└ epithelium of bladder (syn: urothelium)
EMAP:28610			└ epithelium of fundus
EMAP:28616			└ epithelium of trigone
EMAP:30084			└ epithelium of neck
EMAP:30091			└ lamina propria of the bladder

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EMAP:30105			lamina propria of fundus
EMAP:30112			lamina propria of trigone
EMAP:30119			lamina propria of neck
EMAP:28622			muscularis mucosa of bladder
EMAP:28628			muscularis mucosa of fundus
EMAP:28634			muscularis mucosa of trigone
EMAP:30140			muscularis mucosa of neck
EMAP:28640			detrusor muscle of bladder
EMAP:28646			detrusor muscle of fundus
EMAP:28652			detrusor muscle of trigone
EMAP:30126			detrusor muscle of neck
EMAP:28664			serosa of bladder
EMAP:28670			serosa of fundus
EMAP:28676			serosa of trigone
EMAP:30133			serosa of neck
EMAP:28828			adventitia of bladder
EMAP:28833			adventitia of fundus
EMAP:28838			adventitia of trigone
EMAP:30146			adventitia of neck
EMAP:28682			blood vessels of bladder
EMAP:31656			nerve of bladder
EMAP:9531			urachus
EMAP:28750			urethra of female
EMAP:28756			pelvic urethra of female
EMAP:28762			epithelial layer of pelvic urethra of female
EMAP:28768			mesenchymal layer of pelvic urethra of female
EMAP:31749			mesenchymal layer of dorsal pelvic urethra of female
EMAP:31746			mesenchymal layer of ventral pelvic urethra of female
EMAP:28774			muscle layer of pelvic urethra of female
EMAP:31763			muscle layer of dorsal pelvic urethra of female
EMAP:31760			muscle layer of ventral pelvic urethra of female
EMAP:31796			nerve of pelvic urethra of female
EMAP:30919			phallic urethra of female (syn: external urethra of female)
EMAP:30926			urethral plate of female
EMAP:30929			urethral fold of female
EMAP:31737			nerve of phallic urethra of female
EMAP:9589			urethra of male
EMAP:9590			pelvic urethra of male
EMAP:28700			epithelial layer of pelvic urethra of male
EMAP:28706			mesenchymal layer of pelvic urethra of male
EMAP:31743			mesenchymal layer of dorsal pelvic urethra of male
EMAP:31734			mesenchymal layer of ventral pelvic urethra of male
EMAP:28712			muscle layer of pelvic urethra of male
EMAP:31755			muscle layer of dorsal pelvic urethra of male
EMAP:31752			muscle layer of ventral pelvic urethra of male
EMAP:31786			nerve of pelvic urethra of male
EMAP:28718			phallic urethra of male (syn: external urethra of male)
EMAP:28738			urethral fold of male
EMAP:9593			urethral plate of male
EMAP:31802			nerve of phallic urethra of male
EMAP:9553			urorectal septum
EMAP:31645			pelvic ganglion
EMAP:8442			reproductive system
EMAP:8443			male reproductive system
EMAP:8444			testis
EMAP:30521			coelomic epithelium of testis
EMAP:29193			rete testis
EMAP:8449			interstitium of the testis (syn: interstitial tissue)
EMAP:29087			fetal Leydig cell
EMAP:29095			rest of interstitium of the testis (syn: non-specific mesenchyme)
EMAP:29267			tunica vaginalis testis
EMAP:8447			seminiferous cord (syn: seminiferous tubule)
EMAP:29241			Sertoli cell
EMAP:8448			germ cell of testis

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EMAP:29246			peritubular myoid cell
EMAP:8453			mediastinum testis
EMAP:29119			developing vasculature of the testis
EMAP:29127			coelomic vessel
EMAP:29135			interstitial vessel
EMAP:29263			tunica albuginea of testis
EMAP:29279			seminal vesicle (syn: vesicular seminalis)
EMAP:29283			duct of the seminal vesicle
EMAP:29287			rest of the seminal vesicle
EMAP:29702			epididymis
EMAP:30586			caput epididymis
EMAP:30612			epithelium of caput of epididymis
EMAP:30616			muscle layer of caput of epididymis
EMAP:30620			adventitia of caput of epididymis
EMAP:31205			developing vasculature of caput epididymis
EMAP:30582			cauda epididymis
EMAP:30588			epithelium of cauda of epididymis
EMAP:30592			muscle layer of cauda of epididymis
EMAP:30596			adventitia of cauda of epididymis
EMAP:31195			developing vasculature of cauda epididymis
EMAP:30584			corpus epididymis
EMAP:30600			epithelium of corpus epididymis
EMAP:30604			muscle layer of corpus of epididymis
EMAP:30608			adventitia of corpus of epididymis
EMAP:31200			developing vasculature of corpus epididymis
EMAP:31184			developing vasculature of epididymis
EMAP:9578			ductus deferens (syn: vas deferens)
EMAP:29275			epithelium of ductus deferens
EMAP:29271			muscle layer of ductus deferens
EMAP:31190			developing vasculature of ductus deferens
EMAP:12722			appendix epididymis
EMAP:12725			appendix testis
EMAP:12728			ejaculatory duct
EMAP:12732			gubernaculum (syn: caudal suspensory ligament)
EMAP:9580			mesorchium
EMAP:9579			genital tubercle of male (syn: penis anlage)
EMAP:9582			glans penis
EMAP:30633			glans surface epithelium of male
EMAP:30631			glans mesenchyme of male
EMAP:30635			prepuce of male
EMAP:30639			prepuce surface epithelium of male
EMAP:30641			preputial gland
EMAP:30637			prepuce mesenchyme of male
EMAP:30432			scrotal fold
EMAP:30625			scrotal fold mesenchyme of male
EMAP:30628			scrotal fold surface epithelium of male
EMAP:9557			female reproductive system
EMAP:9563			ovary
EMAP:9564			surface epithelium of ovary (syn: coelomic epithelium)
EMAP:9566			mesenchymal stroma of ovary
EMAP:29011			cortical component of mesenchymal stroma
EMAP:31041			rest of cortical component of mesenchymal stroma of ovary
EMAP:31036			pre-granulosa cell
EMAP:29016			medullary component of mesenchymal stroma
EMAP:9567			germ cell of ovary (syn: oogonia; premeiotic germ cell)
EMAP:28975			premeiotic germ cell (syn: oogonia)
EMAP:28970			meiotic germ cell (syn: oocyte)
EMAP:31030			meiotic oocytes
EMAP:28893			developing vasculature of ovary
EMAP:9568			rete ovarii of ovary
EMAP:9562			mesovarium
EMAP:9565			cystic vesicular appendage
EMAP:12719			suspensory ligament of ovary
EMAP:9558			M \square llerian tubercle

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EMAP:9574		oviduct
EMAP:30674		- epithelial layer of oviduct
EMAP:30673		- muscle layer of oviduct
EMAP:30672		- outer layer of oviduct
EMAP:31215		- developing vasculature of oviduct
EMAP:9575		uterine horn (syn: uterus)
EMAP:29031		- epithelium (syn: endometrium)
EMAP:29035		- muscular layer (syn: myometrium)
EMAP:31210		- developing vasculature of uterine horn
EMAP:30676		- outer layer of uterine horn
EMAP:9576		vagina
EMAP:9594		- lower part of vagina
EMAP:30847		- epithelial layer of lower part of vagina
EMAP:29062		- muscular layer of lower part of vagina
EMAP:31225		- developing vasculature of lower part of vagina
EMAP:9577		- upper part of vagina
EMAP:30849		- epithelial layer of upper part of vagina
EMAP:30848		- muscular layer of upper part of vagina
EMAP:31220		- developing vasculature of upper part of vagina
EMAP:9559		genital tubercle of female (syn: clitoris anlage)
EMAP:30683		- preputial swelling of female (syn: prepuce of female)
EMAP:30691		- surface epithelium of female preputial swelling
EMAP:30687		- preputial gland of female
EMAP:30695		- mesenchyme of female preputial swelling
EMAP:30680		- distal genital tubercle of female (syn: glans of female)
EMAP:30681		- surface epithelium of distal genital tubercle of female
EMAP:30682		- mesenchyme of distal genital tubercle of female
EMAP:9561		labial swelling (syn: labia)
EMAP:30439		- surface epithelium of labial swelling
EMAP:30434		- mesenchymal layer of labial swelling

TS24 Groups

'G' : Term is a group.

EMAP:25789	mouse	
EMAP:8440		- organ system
EMAP:8441		- visceral organ
EMAP:9526		- urinary system
EMAP:9536		- metanephros (syn: kidney)
EMAP:9546		- renal cortex
EMAP:9556		- cortical renal tubule
EMAP:31821 G		- cortical renal tubule of capillary loop nephron GROUP
EMAP:31284		- anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612		- early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710		- early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624		- renal connecting tubule of capillary loop nephron
EMAP:31815 G		- cortical renal tubule of maturing nephron GROUP
EMAP:31618		- early distal tubule of maturing nephron
EMAP:31704		- early proximal tubule of maturing nephron
EMAP:31630		- renal connecting tubule of maturing nephron
EMAP:28503 G		- early tubule
EMAP:27832		- renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31696		- renal connecting segment of renal vesicle
EMAP:31727		- distal renal vesicle
EMAP:31721		- proximal renal vesicle
EMAP:27838		- comma-shaped body
EMAP:27844		- upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27850		- lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31713		- renal connecting segment of comma-shaped body
EMAP:27856		- s-shaped body (syn: stage II nephron)
EMAP:27868		- renal connecting tubule of s-shaped body
EMAP:27874		- distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27880		- medial segment of s-shaped body (syn: mid-portion of s-shaped body)

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EMAP:27886				└ proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27898				└ visceral epithelium
EMAP:27904				└ parietal epithelium
EMAP:28509 G				- developing capillary loop stage nephron GROUP (syn: stage III nephron)
EMAP:27910				└ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27928				└ associated interstitium of renal corpuscle
EMAP:27922				└ parietal epithelium
EMAP:27940				└ presumptive endothelium of renal corpuscle
EMAP:27934				└ presumptive mesangium
EMAP:27916				└ visceral epithelium (syn: podocyte layer)
EMAP:9556				cortical renal tubule
EMAP:28006				└ early proximal tubule
EMAP:31710 tubule)				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31704				└ early proximal tubule of maturing nephron
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28010				└ early distal tubule
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:28014				└ renal connecting tubule
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31630				└ renal connecting tubule of maturing nephron
EMAP:31821				└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710 tubule)				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31815				└ cortical renal tubule of maturing nephron GROUP
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:31704				└ early proximal tubule of maturing nephron
EMAP:31630				└ renal connecting tubule of maturing nephron
EMAP:28488 G				- maturing nephron (syn: stage IV nephron)
EMAP:27946				└ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27952				└ maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27958				└ glomerular capillary system of maturing glomerular tuft
EMAP:27964				└ glomerular mesangium
EMAP:27970				└ visceral epithelium (syn: podocyte layer)
EMAP:30968				└ glomerular basement membrane
EMAP:27976				└ Bowman's capsule (syn: glomerular capsule)
EMAP:27982				└ parietal epithelium
EMAP:27988				└ urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30034				└ glomerular mesangium of Bowman's capsule
EMAP:27994				└ juxtaglomerular arteriole
EMAP:9556				└ cortical renal tubule
EMAP:28006				└ early proximal tubule
EMAP:31710 tubule)				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31704				└ early proximal tubule of maturing nephron
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28010				└ early distal tubule
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:28014				└ renal connecting tubule
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31630				└ renal connecting tubule of maturing nephron
EMAP:31821				└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710 tubule)				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31815				└ cortical renal tubule of maturing nephron GROUP
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:31704				└ early proximal tubule of maturing nephron

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EMAP:31630			└ renal connecting tubule of maturing nephron
EMAP:28530 G		└ late tubule	<ul style="list-style-type: none"> ├ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron) ├ associated interstitium of renal corpuscle ├ parietal epithelium ├ presumptive endothelium of renal corpuscle ├ presumptive mesangium └ visceral epithelium (syn: podocyte layer)
EMAP:27910		└ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)	<ul style="list-style-type: none"> ├ maturing glomerular tuft (syn: maturing glomerulus) ├ glomerular capillary system of maturing glomerular tuft ├ glomerular mesangium └ visceral epithelium (syn: podocyte layer)
EMAP:27928		└ Bowman's capsule (syn: glomerular capsule)	<ul style="list-style-type: none"> └ glomerular basement membrane
EMAP:27922		└ parietal epithelium	
EMAP:27940		└ urinary space of renal corpuscle (syn: Bowman's space)	
EMAP:27934		└ glomerular mesangium of Bowman's capsule	
EMAP:27916		└ juxtaglomerular arteriole	
EMAP:27946		cortical renal tubule	
EMAP:27952		└ early proximal tubule	
EMAP:27958		└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)	
EMAP:27964		└ early proximal tubule of maturing nephron	
EMAP:27970		└ anlage of loop of Henle (syn: primitive loop of Henle)	
EMAP:30968		early distal tubule	
EMAP:27976		└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)	
EMAP:27982		└ early distal tubule of maturing nephron	
EMAP:27988		└ renal connecting tubule	
EMAP:30034		└ renal connecting tubule of capillary loop nephron	
EMAP:27994		└ renal connecting tubule of maturing nephron	
EMAP:9556		cortical renal tubule of capillary loop nephron GROUP	
EMAP:28006		└ anlage of loop of Henle (syn: primitive loop of Henle)	
EMAP:31710		early distal tubule of capillary loop nephron (syn: anlage of distal tubule)	
tubule)		└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)	
EMAP:31704		└ renal connecting tubule of capillary loop nephron	
EMAP:31284		cortical renal tubule of maturing nephron GROUP	
EMAP:28010		└ early distal tubule of maturing nephron	
EMAP:31612		└ early proximal tubule of maturing nephron	
EMAP:31618		renal medulla	
EMAP:28014		└ immature loop of Henle (syn: anlagen of loop of Henle)	
EMAP:31624		└ medullary renal tubule	
EMAP:31630		└ straight limb	
EMAP:31821		└ bend (syn: U-turn)	
EMAP:31284		early nephron GROUP (syn: early tubule)	
EMAP:31612		└ cortical renal tubule	
EMAP:31710		└ early proximal tubule	
EMAP:31704		└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)	
EMAP:31284		└ early proximal tubule of maturing nephron	
EMAP:28010		└ anlage of loop of Henle (syn: primitive loop of Henle)	
EMAP:31612		early distal tubule	
EMAP:31618		└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)	
EMAP:28014		└ early distal tubule of maturing nephron	
EMAP:31624		└ renal connecting tubule	
EMAP:31630		└ renal connecting tubule of capillary loop nephron	
EMAP:31821		└ renal connecting tubule of maturing nephron	
EMAP:31284		cortical renal tubule of capillary loop nephron GROUP	
EMAP:31612		└ anlage of loop of Henle (syn: primitive loop of Henle)	
EMAP:31710		└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)	
EMAP:31624		└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)	
EMAP:31815		└ renal connecting tubule of capillary loop nephron	
		cortical renal tubule of maturing nephron GROUP	

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EMAP:31618			early distal tubule of maturing nephron
EMAP:31704			early proximal tubule of maturing nephron
EMAP:31630			renal connecting tubule of maturing nephron
EMAP:27832			renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31696			renal connecting segment of renal vesicle
EMAP:31727			distal renal vesicle
EMAP:31721			proximal renal vesicle
EMAP:27838			comma-shaped body
EMAP:27844			upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27850			lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31713			renal connecting segment of comma-shaped body
EMAP:27856			s-shaped body (syn: stage II nephron)
EMAP:27868			renal connecting tubule of s-shaped body
EMAP:27874			distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27880			medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27886			proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27898			visceral epithelium
EMAP:27904			parietal epithelium
EMAP:27910			capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27928			associated interstitium of renal corpuscle
EMAP:27922			parietal epithelium
EMAP:27940			presumptive endothelium of renal corpuscle
EMAP:27934			presumptive mesangium
EMAP:27916			visceral epithelium (syn: podocyte layer)
EMAP:27946			maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27952			maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27958			glomerular capillary system of maturing glomerular tuft
EMAP:27964			glomerular mesangium
EMAP:27970			visceral epithelium (syn: podocyte layer)
EMAP:30968			glomerular basement membrane
EMAP:27976			Bowman's capsule (syn: glomerular capsule)
EMAP:27982			parietal epithelium
EMAP:27988			urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30034			glomerular mesangium of Bowman's capsule
EMAP:27994			juxtaglomerular arteriole
EMAP:28410 G			collecting duct (syn: ureteric tree)
EMAP:27753			ureteric tip (syn: ureteric ampulla)
EMAP:31049			ureteric tree terminal branch excluding tip itself
EMAP:28497			ureteric trunk
EMAP:28133			cortical collecting duct
EMAP:28064			medullary collecting duct
EMAP:28497 G			ureteric trunk
EMAP:28133			cortical collecting duct
EMAP:28064			medullary collecting duct
EMAP:28521 G			renal interstitium group
EMAP:27732			nephrogenic interstitium (syn: peripheral blastema)
EMAP:27928			associated interstitium of renal corpuscle
EMAP:27934			presumptive mesangium
EMAP:27964			glomerular mesangium
EMAP:28139			renal cortical interstitium (syn: cortical stroma)
EMAP:31291			renal cortical fibroblasts
EMAP:31299			resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31307			rest of renal cortical interstitium
EMAP:9551			renal medullary interstitium (syn: medullary stroma)
EMAP:31328			renal medullary fibroblasts
EMAP:31335			resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31342			rest of renal medullary interstitium
EMAP:28086			perihilar interstitium
EMAP:31362			perihilar fibroblast
EMAP:31368 (perihilar interstitium)			resident macrophage of the perihilar interstitium (syn: renal monocytes of the perihilar interstitium)
EMAP:31374			rest of perihilar interstitium
EMAP:31471 G			small blood vessels
EMAP:30039			renal cortical capillary

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EMAP:28164		renal medullary arterial system
EMAP:27958		glomerular capillary system of maturing glomerular tuft
EMAP:30045		renal medullary capillary (syn: vasa recta)
EMAP:28169		renal medullary venous system
EMAP:31445 G		renal capillaries
EMAP:30039		renal cortical capillary
EMAP:30045		renal medullary capillary (syn: vasa recta)
EMAP:31772 G		developing vasculature of urinary system GROUP
EMAP:28461		renal vasculature
EMAP:27958		glomerular capillary system of maturing glomerular tuft
EMAP:27994		juxtaglomerular arteriole
EMAP:27940		presumptive endothelium of renal corpuscle
EMAP:28382		renal artery
EMAP:29978		endothelial layer of renal artery
EMAP:29999		endothelium of renal artery
EMAP:30007		smooth muscle layer of renal artery
EMAP:28386		renal vein
EMAP:29966		endothelial layer of renal vein
EMAP:30015		endothelium of renal vein
EMAP:30023		smooth muscle layer of renal vein
EMAP:30045		renal medullary capillary (syn: vasa recta)
EMAP:30855		ureteral vasculature
EMAP:28461 G		renal vasculature
EMAP:27958		glomerular capillary system of maturing glomerular tuft
EMAP:27994		juxtaglomerular arteriole
EMAP:27940		presumptive endothelium of renal corpuscle
EMAP:28382		renal artery
EMAP:29978		endothelial layer of renal artery
EMAP:29999		endothelium of renal artery
EMAP:30007		smooth muscle layer of renal artery
EMAP:28386		renal vein
EMAP:29966		endothelial layer of renal vein
EMAP:30015		endothelium of renal vein
EMAP:30023		smooth muscle layer of renal vein
EMAP:30045		renal medullary capillary (syn: vasa recta)
EMAP:31438 G		renal arterial system
EMAP:28382		renal artery
EMAP:29978		endothelial layer of renal artery
EMAP:29999		endothelium of renal artery
EMAP:30007		smooth muscle layer of renal artery
EMAP:28164		renal medullary arterial system
EMAP:31452 G		renal venous system
EMAP:28386		renal vein
EMAP:29966		endothelial layer of renal vein
EMAP:30015		endothelium of renal vein
EMAP:30023		smooth muscle layer of renal vein
EMAP:28169		renal medullary venous system
EMAP:31808 G		nerves of urethra GROUP
EMAP:31796		nerve of pelvic urethra of female
EMAP:31786		nerve of pelvic urethra of male
EMAP:31737		nerve of phallic urethra of female
EMAP:31802		nerve of phallic urethra of male
EMAP:8442		reproductive system
EMAP:8443		male reproductive system
EMAP:29702		epididymis
EMAP:31005 G		epithelium of epididymis
EMAP:30612		epithelium of caput of epididymis
EMAP:30600		epithelium of corpus epididymis
EMAP:30588		smooth muscle layer of epididymis
EMAP:31013 G		muscle layer of epididymis
EMAP:30616		muscle layer of caput of epididymis
EMAP:30604		muscle layer of corpus of epididymis
EMAP:30592		smooth muscle layer of cauda of epididymis
EMAP:31009 G		adventitia of epididymis

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EMAP:30620		adventitia of caput of epididymis
EMAP:30608		adventitia of corpus of epididymis
EMAP:30596		adventitia of cauda of epididymis
EMAP:31236 G		developing vasculature system of epididymis
EMAP:31205		developing vasculature of caput epididymis
EMAP:31200		developing vasculature of corpus epididymis
EMAP:31195		developing vasculature of cauda epididymis
EMAP:30979 G		male external genitalia
EMAP:9579		genital tubercle of male (syn: penis anlage)
EMAP:9582		glans penis
EMAP:30633		glans surface epithelium of male
EMAP:30631		glans mesenchyme of male
EMAP:30635		prepuce of male
EMAP:30639		prepuce surface epithelium of male
EMAP:30641		preputial gland
EMAP:30637		prepuce mesenchyme of male
EMAP:30432		scrotal fold
EMAP:30625		scrotal fold mesenchyme of male
EMAP:30628		scrotal fold surface epithelium of male
EMAP:9557		female reproductive system
EMAP:9563		ovary
EMAP:31059 G		ovigerous cord
EMAP:31030		meiotic oocytes
EMAP:31036		pre-granulosa cell
EMAP:9576		vagina
EMAP:30992 G		epithelium of vagina
EMAP:30847		epithelial layer of lower part of vagina
EMAP:30849		epithelial layer of upper part of vagina
EMAP:30998 G		muscular layer of vagina
EMAP:29062		muscular layer of lower part of vagina
EMAP:30848		muscular layer of upper part of vagina
EMAP:31230 G		developing vasculature of vagina
EMAP:31225		developing vasculature of lower part of vagina
EMAP:31220		developing vasculature of upper part of vagina
EMAP:30986 G		female external genitalia
EMAP:9559		genital tubercle of female (syn: clitoris anlage)
EMAP:30683		preputial swelling of female (syn: prepuce of female)
EMAP:30691		surface epithelium of female preputial swelling
EMAP:30687		preputial gland of female
EMAP:30695		mesenchyme of female preputial swelling
EMAP:30680		distal genital tubercle of female (syn: glans of female)
EMAP:30681		surface epithelium of distal genital tubercle of female
EMAP:30682		mesenchyme of distal genital tubercle of female
EMAP:9561		labial swelling (syn: labia)
EMAP:30439		surface epithelium of labial swelling
EMAP:30434		mesenchymal layer of labial swelling
EMAP:31781 G		developing vasculature of reproductive system GROUP
EMAP:28893		developing vasculature of ovary
EMAP:29119		developing vasculature of the testis
EMAP:29127		coelomic vessel
EMAP:29135		interstitial vessel