

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)

TS21 urinary and reproductive systems (13dpc)

EMAP:25786	mouse
EMAP:4908	└ organ system
EMAP:4909	└ visceral organ
EMAP:5500	└ urinary system
EMAP:5502	└ mesentery
EMAP:29611	└ rest of mesentery
EMAP:5503	└ urogenital mesentery
EMAP:5504	└ metanephros (syn: kidney)
EMAP:27715	└ renal capsule
EMAP:27722	└ nephrogenic zone
EMAP:5512	└ nephrogenic interstitium (syn: peripheral blastema)
EMAP:27736	└ cap mesenchyme (syn: condensed mesenchyme)
EMAP:27743	└ pretubular aggregate (syn: pretubular condensate)
EMAP:27750	└ ureteric tip (syn: ureteric ampulla)
EMAP:31046	└ ureteric tree terminal branch excluding tip itself
EMAP:27680	└ renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31701	└ renal connecting segment of renal vesicle
EMAP:31837	└ distal renal vesicle
EMAP:31732	└ proximal renal vesicle
EMAP:27683	└ comma-shaped body
EMAP:27686	└ upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27689	└ lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31718	└ renal connecting segment of comma-shaped body
EMAP:27757	└ s-shaped body (syn: stage II nephron)
EMAP:27759	└ renal connecting tubule of s-shaped body
EMAP:27761	└ distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27763	└ medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27765	└ proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27767	└ visceral epithelium
EMAP:27769	└ parietal epithelium
EMAP:27771	└ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27777	└ associated interstitium
EMAP:27775	└ parietal epithelium
EMAP:27781	└ presumptive endothelium of renal corpuscle
EMAP:27779	└ presumptive mesangium
EMAP:27773	└ visceral epithelium (syn: podocyte layer)
EMAP:27783	└ renal tubule (syn: renal tubule of capillary loop nephron)
EMAP:27785	└ early proximal tubule (syn: early proximal tubule of capillary loop nephron)
EMAP:27787	└ anlage of the loop of Henle
EMAP:27789	└ early distal tubule (syn: early distal tubule of capillary loop nephron)
EMAP:27791	└ renal connecting tubule (syn: renal connecting tubule of capillary loop nephron)
EMAP:27793	└ renal interstitium
EMAP:31280	└ renal fibroblasts
EMAP:31275	└ resident macrophages (syn: renal monocytes)
EMAP:31272	└ nephrogenic interstitium (syn: peripheral blastema)
EMAP:31278	└ rest of renal interstitium
EMAP:27796	└ developing vasculature of metanephros
EMAP:28406	└ ureteric trunk (syn: ureteric stalk)
EMAP:5507	└ pelvis
EMAP:28379	└ renal artery
EMAP:29996	└ endothelium of renal artery
EMAP:30004	└ smooth muscle layer of renal artery
EMAP:28383	└ renal vein
EMAP:30012	└ endothelium of renal vein
EMAP:30020	└ smooth muscle layer of renal vein
EMAP:5509	└ ureter

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EMAP: 5539					├	germ cell of the testis
EMAP: 29112					└	└ peritubular myoid cell
EMAP: 5535					├	mesorchium
EMAP: 5533					└	└ genital tubercle of male (syn: penis anlage)
EMAP: 29172					└	└ genital tubercle surface epithelium of male
EMAP: 29169					└	└ genital tubercle mesenchyme of male
EMAP: 30469					├	urethral epithelium of male (syn: urethral plate; urethral seam)
EMAP: 31599					├	└ distal urethral epithelium of male
EMAP: 31602					├	└ proximal urethral epithelium of male
EMAP: 31594					└	└ urethral opening of male
EMAP: 31853					├	distal genital tubercle of male (syn: glans of male)
EMAP: 31854					├	└ surface epithelium of distal genital tubercle of male
EMAP: 31852					└	└ mesenchyme of distal genital tubercle of male
EMAP: 31592					├	proximal genital tubercle of male
EMAP: 31586					├	└ surface epithelium of proximal genital tubercle of male
EMAP: 31584					└	└ mesenchyme of proximal genital tubercle of male
EMAP: 30483					├	preputial swelling of male (syn: prepuce of male)
EMAP: 31850					├	└ surface epithelium of male preputial swelling
EMAP: 31851					├	└ preputial gland of male
EMAP: 31849					└	└ mesenchyme of male preputial swelling
EMAP: 31607					└	└ developing vasculature of male genital tubercle
EMAP: 5523					└	female reproductive system
EMAP: 28911					├	mesonephros of female
EMAP: 28916					├	└ mesonephric mesenchyme of female mesonephros
EMAP: 28921					├	└ mesonephric tubule of female
EMAP: 30546					├	└ cranial mesonephric tubule of female
EMAP: 30549					├	└└ mesonephric glomerulus of female
EMAP: 30552					├	└└ rest of cranial mesonephric tubule of female
EMAP: 30555					└	└ caudal mesonephric tubule of female
EMAP: 28926					├	nephric duct of female, mesonephric portion (syn: mesonephric duct of female; mesonephric portion; Wolffian duct of female)
EMAP: 28939					├	└ paramesonephric duct of female, mesonephric portion (syn: Müllerian duct of female; Müllerian duct of female)
EMAP: 28931					├	└ rete ovarii of mesonephros
EMAP: 28936					├	└ coelomic epithelium of female mesonephros
EMAP: 31689					└	└ developing vasculature of female mesonephros
EMAP: 28942					├	paramesonephric duct of female, rest of (syn: Müllerian duct of female; Müllerian duct of female; rest of)
EMAP: 28958					├	└ epithelium of rest of paramesonephric duct of female
EMAP: 28962					└	└ mesenchyme of rest of paramesonephric duct of female
EMAP: 28946					├	nephric duct of female, rest of (syn: mesonephric duct of female; rest of)
EMAP: 28950					├	└ epithelium of rest of nephric duct of female
EMAP: 28954					└	└ mesenchyme of rest of nephric duct of female
EMAP: 5526					├	ovary
EMAP: 5527					├	└ surface epithelium of ovary (syn: coelomic epithelium; mesothelium)
EMAP: 5528					├	└ mesenchymal stroma of ovary
EMAP: 5529					├	└ germ cell of ovary (syn: oogonia; premeiotic germ cell)
EMAP: 28972					├	└ premeiotic germ cell (syn: oogonia)
EMAP: 28967					└	└ meiotic germ cell (syn: oocyte)
EMAP: 28890					├	developing vasculature of ovary
EMAP: 5530					└	└ rete ovarii of ovary
EMAP: 5525					├	mesovarium
EMAP: 29619					└	└ genital tubercle of female (syn: clitoris anlage)
EMAP: 29628					└	└ genital tubercle surface epithelium of female
EMAP: 29623					└	└ genital tubercle mesenchyme of female
EMAP: 30472					├	urethral epithelium of female (syn: urethral plate; urethral seam)
EMAP: 31681					├	└ distal urethral epithelium of female
EMAP: 31667					├	└ proximal urethral epithelium of female
EMAP: 31670					└	└ urethral opening of female
EMAP: 30480					├	preputial swelling of female (syn: prepuce of female)
EMAP: 31843					├	└ surface epithelium of female preputial swelling
EMAP: 31842					├	└ preputial gland of female
EMAP: 31841					└	└ mesenchyme of female preputial swelling
EMAP: 31838					├	distal genital tubercle of female (syn: glans of female)
EMAP: 31840					├	└ surface epithelium of distal genital tubercle of female

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EMAP: 31839						└─┬ mesenchyme of distal genital tubercle of female
EMAP: 31597						└─┬ proximal genital tubercle of female
EMAP: 31679						└─┬ surface epithelium of proximal genital tubercle of female
EMAP: 31677						└─┬ mesenchyme of proximal genital tubercle of female
EMAP: 31589						└─┬ developing vasculature of female genital tubercle

TS21 Groups

'G' : Term is a group.

EMAP: 25786						mouse
EMAP: 4908						└─ organ system
EMAP: 4909						└─┬ visceral organ
EMAP: 5500						└─┬ urinary system
EMAP: 5504						└─┬ metanephros (syn: kidney)
EMAP: 5513	G					└─┬ early nephron GROUP (syn: early tubule)
EMAP: 27680						└─┬ renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP: 31701						└─┬ renal connecting segment of renal vesicle
EMAP: 31837						└─┬ distal renal vesicle
EMAP: 31732						└─┬ proximal renal vesicle
EMAP: 27683						└─┬ comma-shaped body
EMAP: 27686						└─┬ upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP: 27689						└─┬ lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP: 31718						└─┬ renal connecting segment of comma-shaped body
EMAP: 27757						└─┬ s-shaped body (syn: stage II nephron)
EMAP: 27759						└─┬ renal connecting tubule of s-shaped body
EMAP: 27761						└─┬ distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP: 27763						└─┬ medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP: 27765						└─┬ proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP: 27767						└─┬ visceral epithelium
EMAP: 27769						└─┬ parietal epithelium
EMAP: 27771						└─ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP: 27777						└─┬ associated interstitium
EMAP: 27775						└─┬ parietal epithelium
EMAP: 27781						└─┬ presumptive endothelium of renal corpuscle
EMAP: 27779						└─┬ presumptive mesangium
EMAP: 27773						└─┬ visceral epithelium (syn: podocyte layer)
EMAP: 27783						└─┬ renal tubule (syn: renal tubule of capillary loop nephron)
EMAP: 27785						└─┬ early proximal tubule (syn: early proximal tubule of capillary loop nephron)
EMAP: 27787						└─┬ anlage of the loop of Henle
EMAP: 27789						└─┬ early distal tubule (syn: early distal tubule of capillary loop nephron)
EMAP: 27791						└─┬ renal connecting tubule (syn: renal connecting tubule of capillary loop nephron)
EMAP: 5508	G					└─ primitive collecting duct group (syn: ureteric tree)
EMAP: 27750						└─┬ ureteric tip (syn: ureteric ampulla)
EMAP: 31046						└─ ureteric tree terminal branch excluding tip itself
EMAP: 28406						└─┬ ureteric trunk (syn: ureteric stalk)
EMAP: 31855	G					└─ renal interstitium group
EMAP: 5512						└─┬ nephrogenic interstitium (syn: peripheral blastema)
EMAP: 27793						└─┬ renal interstitium
EMAP: 31280						└─┬ renal fibroblasts
EMAP: 31275						└─┬ resident macrophages (syn: renal monocytes)
EMAP: 31272						└─┬ nephrogenic interstitium (syn: peripheral blastema)
EMAP: 31278						└─┬ rest of renal interstitium
EMAP: 31767	G					└─ nephrogenic zone GROUP
EMAP: 31272						└─┬ nephrogenic interstitium (syn: peripheral blastema)
EMAP: 31769	G					└─ developing vasculature of urinary system GROUP
EMAP: 27796						└─┬ developing vasculature of metanephros
EMAP: 31693						└─┬ developing vasculature of primitive bladder
EMAP: 31674						└─┬ developing vasculature of urogenital sinus
EMAP: 28458						└─ renal vasculature
EMAP: 27781						└─┬ presumptive endothelium of renal corpuscle
EMAP: 28379						└─┬ renal artery
EMAP: 29996						└─┬ endothelium of renal artery
EMAP: 30004						└─┬ smooth muscle layer of renal artery

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EMAP:28383 | | | | | renal vein
EMAP:30012 | | | | | endothelium of renal vein
EMAP:30020 | | | | |   L smooth muscle layer of renal vein
EMAP:27796 | | | | |   L developing vasculature of metanephros
EMAP:30852 | | | | |   L ureteral vasculature
EMAP:28458 G | | | | |   L renal vasculature
EMAP:27781 | | | | |   | | | presumptive endothelium of renal corpuscle
EMAP:28379 | | | | |   | | | renal artery
EMAP:29996 | | | | |   | | | endothelium of renal artery
EMAP:30004 | | | | |   | | |   L smooth muscle layer of renal artery
EMAP:28383 | | | | |   | | | renal vein
EMAP:30012 | | | | |   | | | endothelium of renal vein
EMAP:30020 | | | | |   | | |   L smooth muscle layer of renal vein
EMAP:27796 | | | | |   | | |   L developing vasculature of metanephros
EMAP:5522   | | | | |   | | | reproductive system
EMAP:5532   | | | | |   | | |   | | | male reproductive system
EMAP:5523   | | | | |   | | |   | | | female reproductive system
EMAP:5526   | | | | |   | | |   | | |   L ovary
EMAP:31778 G | | | | |   | | |   L developing vasculature of reproductive system GROUP
EMAP:31589 | | | | |   | | |   | | | developing vasculature of female genital tubercle
EMAP:31689 | | | | |   | | |   | | | developing vasculature of female mesonephros
EMAP:31607 | | | | |   | | |   | | | developing vasculature of male genital tubercle
EMAP:31685 | | | | |   | | |   | | | developing vasculature of male mesonephros
EMAP:28890 | | | | |   | | |   | | | developing vasculature of ovary
EMAP:29116 | | | | |   | | |   | | |   L developing vasculature of the testis
EMAP:29124 | | | | |   | | |   | | |   | | | coelomic vessel
EMAP:29132 | | | | |   | | |   | | |   | | |   L interstitial vessel
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