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)

TS23 urinary and reproductive systems (15dpc)

EMAP: 123788		una representa esperante (resipo)
EMAP: 9.274	EMAP:25788	
EMAP: 8217	EMAP:7428	! . · · ·
EMAP: 2824 EMAP: 8225 EMAP: 8226 EMAP: 8226 EMAP: 8227 EMAP: 8227 EMAP: 827734 EMAP: 27734 EMAP: 27735 EMAP: 27735 EMAP: 27735 EMAP: 27735 EMAP: 27735 EMAP: 27736 EMAP: 27736 EMAP: 27737 EMAP: 27737 EMAP: 27738 EMAP: 27738 EMAP: 27738 EMAP: 27739 EMAP: 27830 EMAP: 27831 EMAP: 27837 EMAP: 27837 EMAP: 27837 EMAP: 27838 EMAP: 27839 EMAP: 27939 EMAP: 27940 EMAP: 27931 EMAP: 27939 EMAP: 27939 EMAP: 27939 EMAP: 27931 EMAP: 27939 EMA	EMAP:7436	! ! .
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EMAP: 8225	EMAP:8224	
EMAP: 8226	EMAP:29613	
EMAP: 27731	EMAP:8225	
EMAP: 27734	EMAP:8226	
EMAP: 27731 nephrogenic interstitium (syn: peripheral blastema) EMAP: 27732 cap mesenchyme (syn: condensed mesenchyme) EMAP: 27752 learned of the stage of the stage III nephron) EMAP: 27752 learned of the stage III nephron) EMAP: 31048 learned of the stage III nephron) EMAP: 31048 learned of the stage III nephron) EMAP: 31059 learned of the stage III nephron) EMAP: 31720 learned of the stage III nephron) EMAP: 31720 learned of the stage III nephron) EMAP: 27843 learned of the stage III nephron) EMAP: 27843 learned of the stage III nephron (syn: abspect of the stage III nephron) EMAP: 31720 learned of the stage III nephron) EMAP: 27843 learned of the stage III nephron (syn: distal limb of comma-shaped body) EMAP: 27849 learned of the stage III nephron) EMAP: 27849 learned of the stage III nephron) EMAP: 27849 learned of the stage III nephron) EMAP: 27855 learned of the stage III nephron) EMAP: 27865 learned of the stage III nephron) EMAP: 27879 learned of the stage III nephron (syn: indeportion of s-shaped body) EMAP: 27879 learned of the stage III nephron) EMAP: 27897 learned of the stage III nephron) EMAP: 27897 learned of the stage III nephron) EMAP: 27897 learned of the stage III nephron) EMAP: 27991 learned of the stage III nephron) EMAP: 27993 learned of the stage III nephron) EMAP: 27993 learned of the stage III nephron) EMAP: 27993 learned of the stage III nephron) EMAP: 27994 learned of the stage III nephron) EMAP: 27995 learned of the stage III nephron) EMAP: 27999 learned of the stage III nephron) EMAP: 27999	EMAP:8237	
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EMAP: 31726	EMAP:27831	
EMAP: 27843	EMAP:31695	- renal connecting segment of renal vesicle
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EMAP: 31709 early proximal tubule EMAP: 31709 early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) EMAP: 31703 Learly proximal tubule of maturing nephron EMAP: 31283 anlage of loop of Henle (syn: primitive loop of Henle) EMAP: 28009 early distal tubule EMAP: 31611 early distal tubule of capillary loop nephron (syn: anlage of distal tubule)		
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EMAP: 3101/ early distal tubule of maturing nephron		
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EMAD. 20012	L renal connecting tubule
EMAP:28013 EMAP:31623	- Tenal connecting tubule
!	L renal connecting tubule of capitally loop nephron
EMAP: 31629	
EMAP: 28132	
EMAP: 28138	- renal cortical interstitium (syn: cortical stroma)
EMAP:31290	renal cortical fibroblasts
EMAP:31298	
EMAP:31306	L rest of renal cortical interstitium
EMAP: 28143	renal cortical vasculature
EMAP: 28148	- renal cortical arterial system
EMAP: 28153	renal cortical venous system
EMAP: 30038	L renal cortical capillary
EMAP: 31313	- renal cortical lymphatics
EMAP:31320	- Terial Contical Herves
EMAP:28043 EMAP:30864	
EMAP:31019	
EMAP:31019	
EMAP:28063	medullary collecting duct
EMAP:8241	renal medullary interstitium (syn: medullary stroma)
EMAP:31327	renal medullary fibroblasts
EMAP:31334	resident medulary introducts
EMAP:31341	L rest of renal medullary interstitium
EMAP:28158	renal medullary vasculature
EMAP:28163	renal medullary arterial system
EMAP:28168	renal medullary venous system
EMAP:30044	L renal medullary capillary (syn: vasa recta)
EMAP:31348	renal medullary lymphatics
EMAP:31355	L renal medullary nerves
EMAP:8229	- calyx
EMAP:8232	L pelvis
EMAP:28079	- pelvic urothelial lining (syn: pelvic urothelium)
EMAP:28121	pelvic smooth muscle
EMAP:28085	perihilar interstitium
EMAP:28381	- renal artery
EMAP:29977	- endothelial layer of renal artery
EMAP:29998	- endothelium of renal artery
EMAP:30006	L smooth muscle layer of renal artery
EMAP:28385	renal vein
EMAP:29965	- endothelial layer of renal vein
EMAP:30014	- endothelium of renal vein
EMAP:30022	Smooth muscle layer of renal vein
EMAP:8234	- ureter
EMAP:28091	urothelium (syn: transitional epithelium)
EMAP:28591	superficial cellular layer (syn: umbrella cell)
EMAP:28103	deep cellular layer (syn: basal urothelium)
EMAP:28802	intermediate cell layer
EMAP:28807	L basal cell layer
EMAP: 28559	ureteral mesenchyme
EMAP: 28565	- subepithelial layer (syn: presumptive lamina propria)
EMAP: 28812	- ureteral smooth muscle layer (syn: presumptive ureteral smooth muscle layer)
EMAP: 28815	- smooth muscle component
EMAP: 30151	L interstitium (syn: Cajal cell)
EMAP: 28573	L outer layer (syn: presumptive adventitia)
EMAP:30854 EMAP:8219	Ureteral vasculature bladder
EMAP:8219 EMAP:28603	epithelium of bladder (syn: urothelium)
EMAP:28609	epithelium of fundus
EMAP:28615	epithelium of trigone
EMAP:30083	Lepithelium of neck
EMAP:30090	lamina propria of the bladder
EMAP:30104	lamina propria of fundus
EMAP:30111	lamina propria of trigone
EMAP:30111	Lamina propria of tagone
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EMAP:28621	muscularis mucosa of bladder
EMAP:28627	muscularis mucosa of fundus
EMAP:28633	here muscularis mucosa of trigone
EMAP:30139	L muscularis mucosa of neck
EMAP:28639	detrusor muscle of bladder
EMAP:28645	detrusor muscle of fundus
EMAP:28651	- detrusor muscle of trigone
EMAP:30125	L detrusor muscle of neck
EMAP:28663	- serosa of bladder
EMAP:28669	- serosa of fundus
EMAP:28675	- serosa of trigone
EMAP:30132	L serosa of neck
EMAP:28827	- adventitia of bladder
EMAP:28832	- adventitia of fundus
EMAP:28837	- adventitia of trigone
EMAP:30145	adventitia of neck
EMAP:28681	- blood vessels of bladder
EMAP:31655	nerve of bladder
EMAP:8223	- urachus
EMAP:28749	- urethra of female
EMAP:28755	- pelvic urethra of female
EMAP:28761	epithelial layer of pelvic urethra of female
EMAP:28767	- mesenchymal layer of pelvic urethra of female
EMAP:31748	mesenchymal layer of dorsal pelvic urethra of female
EMAP:31745	mesenchymal layer of ventral pelvic urethra of female
EMAP:28773	- muscle layer of pelvic urethra of female
EMAP:31762	- muscle layer of dorsal pelvic urethra of female
EMAP:31759	L muscle layer of ventral pelvic urethra of female
EMAP:31795	nerve of pelvic urethra of female
EMAP:30918	phallic urethra of female (syn: external urethra of female)
EMAP:30925	urethral plate of female
EMAP:30928	l l - urethral fold of female
EMAP:31736	nerve of phallic urethra of female
EMAP:8274	- urethra of male
EMAP:28693	- pelvic urethra of male
EMAP:28699	epithelial layer of pelvic urethra of male
EMAP:28705	mesenchymal layer of pelvic urethra of male
EMAP:31742	
EMAP:31733	L mesenchymal layer of ventral pelvic urethra of male
EMAP:28711	muscle layer of pelvic urethra of male
EMAP:31754	- muscle layer of dorsal pelvic urethra of male
EMAP:31751	L muscle layer of ventral pelvic urethra of male
EMAP:31785	L nerve of pelvic urethra of male
EMAP:28717	phallic urethra of male (syn: external urethra of male)
EMAP:8275	l l - urethral fold of male
EMAP:28723	urethral plate of male
EMAP:31801	nerve of phallic urethra of male
EMAP:8243	- urorectal septum
EMAP:31644	L pelvic ganglion
EMAP:8244	- reproductive system
EMAP:8257	- male reproductive system
EMAP:29142	- mesonephros of male
EMAP:29157	- nephric duct of male, mesonephric portion (syn: mesonephric duct of male;
mesonephric portion;	Wolffian duct of male, mesonephric portion)
EMAP:29147	mesonephric mesenchyme of male
EMAP:30557	cranial mesonephric tubule of male
EMAP:30561	- mesonephric glomerulus of male
EMAP:30559	rest of cranial mesonephric tubule
EMAP:29164	degenerating mesonephric portion of male paramesonephric duct (syn: Müllerian
duct; M□llerian duct)	
EMAP:30464	
E11111 . 30 10 1	
EMAP:31687	developing vasculature of male mesonephros
EMAP:31687 EMAP:29198	developing vasculature of male mesonephros degenerating rest of paramesonephric duct of male (syn: degenerating Müllerian duct;
EMAP:31687	developing vasculature of male mesonephros degenerating rest of paramesonephric duct of male (syn: degenerating Müllerian duct;

EMAP:29204	L mesenchyme of degenerating rest of paramesonephric duct of male
EMAP:29176	hephric duct of male, rest of (syn: mesonephric duct; rest of)
EMAP:29184	epithelium of rest of nephric duct of male
EMAP:29180	mesenchyme of rest of nephric duct of male
EMAP:8262	- testis
EMAP:30520	- coelomic epithelium of testis
EMAP:29192	- rete testis
EMAP:8267	- interstitium of the testis (syn: interstitial tissue)
EMAP:29086	fetal Leydig cell
EMAP:29094	L rest of interstitium of the testis (syn: non-specific mesenchyme)
EMAP:8265	- seminiferous cord (syn: seminiferous tubule)
EMAP:29240	
EMAP:8266	- germ cell of testis
EMAP: 29245	L peritubular myoid cell
EMAP:8271	- mediastinum testis
EMAP:29118	L developing vasculature of the testis
EMAP:29116	- coelomic vessel
EMAP:29120 EMAP:29134	Linterstitial vessel
EMAP:30069	- cranial suspensory ligament
EMAP:30744	- epididymis
EMAP:30748	muscle layer of epididymis
EMAP:30750	- outer layer of epididymis
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EMAP:31183	
EMAP: 30746	L surface epithelium of epididymis L ductus deferens (syn: vas deferens)
EMAP:8258	
EMAP: 31189	L developing vasculature of ductus deferens
EMAP: 12731	
EMAP:8260	
EMAP:8259	- genital tubercle of male (syn: penis anlage)
EMAP: 31845	- urethral epithelium of male (syn: urethral plate; urethral seam)
EMAP:31601	distal urethral epithelium of male
EMAP:31604	- proximal urethral epithelium of male
EMAP: 31596	Lurethral opening of male
EMAP:8261	glans of male genital tubercle (syn: distal genital tubercle of male; penis; penis
anlage) EMAP: 29257	surface epithelium of glans of male genital tubercle
EMAP: 29257	mesenchyme of glans of male genital tubercle
EMAP:29233	- mesencityfile of glaris of friale genital tubercle
EMAP:29222 EMAP:29225	
EMAP:29223 EMAP:30504	- preputial gland of male
EMAP: 29228	mesenchyme of male preputial swelling
:	L developing vasculature of male genital tubercle
EMAP:31609	Labioscrotal swelling of male
EMAP:30511	- labiosciotal swelling of male
EMAP: 30517	mesenchyme of labioscrotal swelling of male
EMAP: 30514	L female reproductive system
EMAP:8245 EMAP:28913	- mesonephros of female
EMAP:28913 EMAP:28918	
:	- degenerating mesonephric tubule of female
EMAP:28980 EMAP:28983	
EMAP:28977	paramesonephric duct of female, mesonephric portion (syn: Müllerian duct of female;
M□llerian duct of fer	
EMAP: 30071	epithelium of paramesonephric duct, mesonephric portion
EMAP:30073	L mesenchyme of paramesonephric duct, mesonephric portion
EMAP:28933	- rete ovarii of mesonephros
EMAP:30519	
EMAP:31691	developing vasculature of female mesonephros
EMAP:28944	paramesonephric duct of female, rest of (syn: Müllerian duct of female; M□llerian duct
of female; rest of)	1
EMAP: 28960	
EMAP:28964	mesenchyme of rest of paramesonephric duct of female
EMAP:28948	nephric duct of female, rest of (syn: mesonephric duct of female; rest of)
EMAP:28952	epithelium of rest of nephric duct of female
EMAP:28956	mesenchyme of rest of nephric duct of female
EMAP:8251	- ovary
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EMAP: 8252	ıl seam)
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TS23 Groups

'G' : Term is a group.

EMAP:25788	mouse
EMAP:7428	organ system
EMAP:7436	L visceral organ
EMAP:8217	urinary system
EMAP:8226	metanephros (syn: kidney)
EMAP:8236	- renal cortex
EMAP:27999	- cortical renal tubule
EMAP:31820 G	- cortical renal tubule of capillary loop nephron GROUP
EMAP:31283	- anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31611	- early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31709	- early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31623	L renal connecting tubule of capillary loop nephron
EMAP:31814 G	L cortical renal tubule of maturing nephron GROUP
EMAP:31617	- early distal tubule of maturing nephron
EMAP:31703	- early proximal tubule of maturing nephron
EMAP:31629	L renal connecting tubule of maturing nephron
EMAP:28502 G	- early tubule
EMAP:27831	renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31695	- renal connecting segment of renal vesicle
EMAP:31726	- distal renal vesicle
EMAP:31720	L proximal renal vesicle
EMAP:27837	- comma-shaped body
EMAP:27843	- upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27849	lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31712	renal connecting segment of comma-shaped body
EMAP:27855	L s-shaped body (syn: stage II nephron)
EMAP:27867	renal connecting tubule of s-shaped body
EMAP:27873	distal segment of s-shaped body (syn: upper limb of s-shaped body)

EMAP:27879	
EFIAI . 2 / 0 / 3	medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27885	L proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27897	
EMAP:27903	L parietal epithelium
EMAP:28508 G	developing capillary loop stage nephron GROUP (syn: stage III nephron)
EMAP:27909	capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
:	associated interstitium of renal corpuscle
EMAP: 27927	
EMAP:27921	parietal epithelium
EMAP:27939	presumptive endothelium of renal corpuscle
EMAP:27933	presumptive mesangium
EMAP:27915	
EMAP:27999	
EMAP:28005	
EMAP:31709	early proximal tubule of capillary loop nephron (syn: anlage of proximal
tubule)	
EMAP:31703	Learly proximal tubule of maturing nephron
EMAP:31283	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28009	early distal tubule
EMAP:31611	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31617	Learly distal tubule of maturing nephron
EMAP:28013	renal connecting tubule
:	renal connecting tubule
EMAP: 31623	
EMAP:31629	1 1 1 1 1
EMAP:31820	
EMAP:31283	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31611	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31709	early proximal tubule of capillary loop nephron (syn: anlage of proximal
tubule)	
EMAP:31623	L renal connecting tubule of capillary loop nephron
EMAP:31814	
EMAP:31617	
EMAP:31703	early proximal tubule of maturing nephron
EMAP:31629	renal connecting tubule of maturing nephron
EMAP:28487 G	maturing nephron (syn: stage IV nephron)
EMAP:27945	maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27951	maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27957	glomerular capillary system of maturing glomerular tuft
EMAP:27963	glomerular mesangium
EMAP: 27969	visceral epithelium (syn: podocyte layer)
EMAP: 30967	
EMAP: 27975	Bowman's capsule (syn: glomerular capsule)
EMAP:27981	parietal epithelium
EMAP:27987	
EMAP:30033	Glomerular mesangium of Bowman's capsule
EMAP:27993	
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EMAP:27993	L glomerular mesangium of Bowman's capsule L juxtaglomerular arteriole L cortical renal tubule L early proximal tubule
EMAP:27993 EMAP:27999	
EMAP:27993 EMAP:27999 EMAP:28005	
EMAP:27993 EMAP:27999 EMAP:28005 EMAP:31709	L glomerular mesangium of Bowman's capsule L juxtaglomerular arteriole L cortical renal tubule L early proximal tubule
EMAP:27993 EMAP:27999 EMAP:28005 EMAP:31709 tubule)	
EMAP:27993 EMAP:27999 EMAP:28005 EMAP:31709 tubule) EMAP:31703	
EMAP:27993 EMAP:27999 EMAP:28005 EMAP:31709 tubule) EMAP:31703 EMAP:31283	
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EMAP:27993 EMAP:27999 EMAP:28005 EMAP:31709 tubule) EMAP:31703 EMAP:31283 EMAP:28009 EMAP:31611 EMAP:31617	
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EMAP:31703	
EMAP:31629	L renal connecting tubule of maturing nephron
EMAP:28529 G	l li Late tubule
EMAP:27909	capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27927	
EMAP:27921	- parietal epithelium
EMAP:27939	
EMAP:27933	presumptive mesangium
EMAP:27915	Visceral epithelium (syn: podocyte layer)
EMAP: 27945	
EMAP: 27951	maturing glomerular tuft (syn: maturing glomerulus)
EMAP: 27957	- glomerular capillary system of maturing glomerular tuft
EMAP: 27963	
EMAP: 27969	
EMAP:30967	Glomerular basement membrane
EMAP:27975	Bowman's capsule (syn: glomerular capsule)
EMAP:27981	parietal epithelium
EMAP:27987	- urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30033	L glomerular mesangium of Bowman's capsule
EMAP:27993	L juxtaglomerular arteriole
EMAP:27999	L cortical renal tubule
EMAP:28005	early proximal tubule
EMAP:31709	
tubule)	
EMAP:31703	
EMAP:31283	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28009	- early distal tubule
EMAP:31611	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31617	early distal tubule of maturing nephron
EMAP:28013	renal connecting tubule
EMAP:31623	renal connecting tubule of capillary loop nephron
EMAP:31629	renal connecting tubule of maturing nephron
EMAP:31820	cortical renal tubule of capillary loop nephron GROUP
EMAP:31283	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31611	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31709	early proximal tubule of capillary loop nephron (syn: anlage of proximal
tubule)	
EMAP:31623	L renal connecting tubule of capillary loop nephron
EMAP:31814	cortical renal tubule of maturing nephron GROUP
EMAP:31617	early distal tubule of maturing nephron
EMAP:31703	early proximal tubule of maturing nephron
EMAP:31629	renal connecting tubule of maturing nephron
EMAP:28043	- renal medulla
EMAP:30864	
EMAP:31416 G	L medullary renal tubule
EMAP:31019	straight limb
EMAP:31023	L bend (syn: U-turn)
EMAP:8239 G	early nephron GROUP (syn: early tubule)
EMAP:27999	- cortical renal tubule
EMAP:28005	early proximal tubule
EMAP:31709	
EMAP:31703	early proximal tubule of capillary loop rephron
EMAP:31703	
	early distal tubule
EMAP: 28009	
EMAP: 31611	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP: 31617	Learly distal tubule of maturing nephron
EMAP: 28013	renal connecting tubule
EMAP: 31623	renal connecting tubule of capillary loop nephron
EMAP: 31629	L renal connecting tubule of maturing nephron
EMAP: 31820	cortical renal tubule of capillary loop nephron GROUP
EMAP:31283	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31611	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31709	early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31623	

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EMAP: 31814	L cortical renal tubule of maturing nephron GROUP
EMAP: 31617	early distal tubule of maturing nephron
EMAP: 31703	- early proximal tubule of maturing nephron
EMAP:31629	L renal connecting tubule of maturing nephron
EMAP: 27831	renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31695	
EMAP:31726	distal renal vesicle
EMAP:31720	L proximal renal vesicle
EMAP:27837	- comma-shaped body
EMAP:27843	upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27849	lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31712	L renal connecting segment of comma-shaped body
EMAP:27855	s-shaped body (syn: stage II nephron)
EMAP:27867	renal connecting tubule of s-shaped body
EMAP:27873	distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27879	medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27885	L proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27897	
EMAP:27903	
EMAP:27909	
EMAP:27927	
EMAP:27921	
EMAP:27939	
EMAP:27933	- presumptive mesangium
EMAP:27915	L visceral epithelium (syn: podocyte layer)
EMAP:27945	maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27951	- maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27957	- glomerular capillary system of maturing glomerular tuft
EMAP:27963	glomerular mesangium
EMAP:27969	visceral epithelium (syn: podocyte layer)
EMAP:30967	L glomerular basement membrane
EMAP:27975	Bowman's capsule (syn: glomerular capsule)
EMAP:27981	- parietal epithelium
EMAP:27987	urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30033	glomerular mesangium of Bowman's capsule
EMAP:27993	juxtaglomerular arteriole
EMAP:8233 G	- collecting duct (syn: ureteric tree)
EMAP:27752	- ureteric tip (syn: ureteric ampulla)
EMAP:31048	- ureteric tree terminal branch excluding tip itself
EMAP:28496	
EMAP:28132	cortical collecting duct
EMAP:28063	medullary collecting duct
EMAP:28496 G	- ureteric trunk
EMAP:28132	- cortical collecting duct
EMAP:28063	L medullary collecting duct
EMAP:28520 G	- renal interstitium group
EMAP:27731	
EMAP:27927	- associated interstitium of renal corpuscle
EMAP:27933	
EMAP:27963	- glomerular mesangium
EMAP:28138	- renal cortical interstitium (syn: cortical stroma)
EMAP:31290	- renal cortical fibroblasts
EMAP:31298	- resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31306	L rest of renal cortical interstitium
EMAP:8241	- renal medullary interstitium (syn: medullary stroma)
EMAP:31327	renal medullary fibroblasts
EMAP:31334	- resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31334	L rest of renal medullary interstitium
EMAP:28085	L perihilar interstitium
EMAP:31470 G	- permilar interstitutii
EMAP:30038	- renal cortical capillary
EMAP:28163	- renal medullary arterial system
EMAP: 27957	- glomerular capillary system of maturing glomerular tuft
EMAP: 27957 EMAP: 30044	renal medullary capillary (syn: vasa recta)
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EMAP:28168	^L renal medullary venous system
EMAP:31444 G	L renal capillaries
EMAP:30038	- renal cortical capillary
EMAP:30044	renal medullary capillary (syn: vasa recta)
EMAP:31771 G	- developing vasculature of urinary system GROUP
EMAP:28460	- renal vasculature
:	
EMAP: 27957	- glomerular capillary system of maturing glomerular tuft
EMAP:27993	
EMAP:27939	presumptive endothelium of renal corpuscle
EMAP:28381	- renal artery
EMAP:29977	
EMAP:29998	
EMAP:30006	
EMAP:28385	- renal vein
EMAP:29965	- endothelial layer of renal vein
EMAP:30014	- endothelium of renal vein
EMAP:30022	L smooth muscle layer of renal vein
EMAP:30044	renal medullary capillary (syn: vasa recta)
EMAP:30854	L ureteral vasculature
:	renal vasculature
EMAP:28460 G	
EMAP:27957	- glomerular capillary system of maturing glomerular tuft
EMAP:27993	- juxtaglomerular arteriole
EMAP:27939	- presumptive endothelium of renal corpuscle
EMAP:28381	- renal artery
EMAP:29977	
EMAP:29998	
EMAP:30006	L smooth muscle layer of renal artery
EMAP:28385	- renal vein
EMAP:29965	- endothelial layer of renal vein
EMAP:30014	- endothelium of renal vein
EMAP:30022	L smooth muscle layer of renal vein
EMAP:30044	L renal medullary capillary (syn: vasa recta)
EMAP:31437 G	- renal arterial system
!	
EMAP:28381	- renal artery
EMAP:29977	- endothelial layer of renal artery
EMAP:29998	- endothelium of renal artery
EMAP:30006	L smooth muscle layer of renal artery
EMAP:28163	l L renal medullary arterial system
EMAP:31451 G	- renal venous system
EMAP:28385	- renal vein
EMAP:29965	
EMAP:30014	
EMAP:30022	
EMAP:28168	i renal medullary venous system
EMAP:31807 G	nerves of urethra GROUP
EMAP:31795	- nerve of pelvic urethra of female
EMAP:31785	- nerve of pelvic urethra of male
EMAP:31736	- nerve of phallic urethra of female
EMAP:31801	L nerve of phallic urethra of male
EMAP:8244	L reproductive system
EMAP:8257	- male reproductive system
:	
EMAP:30744	- epididymis
EMAP:30978 G	- male external genitalia
EMAP:8259	- genital tubercle of male (syn: penis anlage)
EMAP:31845	- urethral epithelium of male (syn: urethral plate; urethral seam)
EMAP:31601	distal urethral epithelium of male
EMAP:31604	
EMAP:31596	L urethral opening of male
EMAP:8261	
anlage)	
EMAP:29257	
EMAP:29255	L mesenchyme of glans of male genital tubercle
EMAP:29222	preputial swelling of male (syn: prepuce of male)
EMAP:29225	- surface epithelium of male preputial swelling
'	

EMAP:30504	preputial gland of male
EMAP:29228	L mesenchyme of male preputial swelling
EMAP:31609	developing vasculature of male genital tubercle
EMAP:30511	l labioscrotal swelling of male
EMAP:30517	surface epithelium of labioscrotal swelling of male
EMAP:30514	mesenchyme of labioscrotal swelling of male
EMAP:28536 G	male associated reproductive structure
EMAP:8259	- genital tubercle of male (syn: penis anlage)
EMAP:31845	urethral epithelium of male (syn: urethral plate; urethral seam)
EMAP:31601	distal urethral epithelium of male
EMAP:31604	proximal urethral epithelium of male
EMAP:31596	urethral opening of male
EMAP:8261	glans of male genital tubercle (syn: distal genital tubercle of male; penis; penis
anlage)	
EMAP:29257	surface epithelium of glans of male genital tubercle
EMAP:29255	mesenchyme of glans of male genital tubercle
EMAP:29222	preputial swelling of male (syn: prepuce of male)
EMAP:29225	surface epithelium of male preputial swelling
EMAP:30504	preputial gland of male
EMAP:29228	mesenchyme of male preputial swelling
EMAP:31609	developing vasculature of male genital tubercle
EMAP:8260	mesorchium
EMAP:12731	gubernaculum (syn: caudal suspensory ligament)
EMAP:8258	ductus deferens (syn: vas deferens)
EMAP:31189	L developing vasculature of ductus deferens
EMAP:8245	- female reproductive system
EMAP:8251	- ovary
EMAP:30985 G	female external genitalia
EMAP:8247	genital tubercle of female (syn: clitoris anlage)
EMAP:31847	urethral epithelium of female (syn: urethral plate; urethral seam)
EMAP:31683	distal urethral epithelium of female
EMAP:31669	proximal urethral epithelium of female
EMAP:31672	L urethral opening of female
EMAP:30482	preputial swelling of female (syn: prepuce of female)
EMAP:30498	surface epithelium of female preputial swelling
EMAP:30501	preputial gland of female
EMAP:30495	L mesenchyme of female preputial swelling
EMAP:30486	distal genital tubercle of female (syn: glans of female)
EMAP:30492	Surface epithelium of distal genital tubercle of female
EMAP:30489	L mesenchyme of distal genital tubercle of female
EMAP:31591	developing vasculature of female genital tubercle
EMAP:30425	l labioscrotal swelling of female
EMAP:30431	surface epithelium of labioscrotal swelling of female
EMAP:30428	mesenchyme of labioscrotal swelling of female
EMAP:28543 G	female associated reproductive structure
EMAP:8250	mesovarium
EMAP:8246	M□llerian tubercle
EMAP:8247	genital tubercle of female (syn: clitoris anlage)
EMAP:31847	urethral epithelium of female (syn: urethral plate; urethral seam)
EMAP:31683	distal urethral epithelium of female
EMAP:31669	proximal urethral epithelium of female
EMAP: 31672	urethral opening of female
EMAP: 30482	preputial swelling of female (syn: prepuce of female)
EMAP: 30498	surface epithelium of female preputial swelling
EMAP: 30501	preputial gland of female
EMAP: 30495	
EMAP:30486	
EMAP:30492	
EMAP: 30489	
EMAP:31591 EMAP:31780 G	developing vasculature of female genital tubercle L developing vasculature of reproductive system GROUP
EMAP:31780 G EMAP:31591	developing vasculature of reproductive system GROOP by developing vasculature of female genital tubercle
EMAP:31591 EMAP:31691	
EMAP:31691 EMAP:31609	
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EMAP:31687	- developing vasculature of male mesonephros
EMAP:28892	 developing vasculature of ovary
EMAP:29118	L developing vasculature of the testis
EMAP:29126	- coelomic vessel
EMAP:29134	^L interstitial vessel