# Editor Report for Import of OBO File: /net/homehost/export/home/mwicks/ma-day/workspace/Anatomy/Database/Versions/Version006/ConvertFromVersion004/OBOFiles/Version004\_Changes\_2\_30-07-2009.obo

Components	Failed*	Passed**	Total
Checked			
Status			
All	0	5200	5200
Components			
New	0	0	0
Modified	0	879	879
Deleted	0	1	1
Unchanged	0	4287	4287

<sup>\*</sup>Failed: Some of the component's properties require revision by editor

CRITICAL COMPONENTS: REQUIRE REVISION

Total Critical Components: 0

<sup>\*\*</sup>Passed: Components have passed all checks and are approved for any updates that will take place

# NEW COMPONENTS

Total New Components: 0

# MODIFIED COMPONENTS

### Total Modified Components: 879

```
1. EMAPA: 30627 - scrotal fold surface epithelium of male 2. EMAPA: 29907 - epithelial layer of rest of oviduct
3. EMAPA: 30624 - scrotal fold mesenchyme of male
4. EMAPA:16368 - nephric cord
5. EMAPA:16369 - presumptive nephric duct
6. EMAPA:29905 - rest of oviduct
7. EMAPA: 29903 - serosa of infundibulum
8. EMAPA:29122 - coelomic vessel
9. EMAPA:30636 - prepuce mesenchyme of male
10. EMAPA: 30638 - prepuce surface epithelium of male
11. EMAPA: 30632 - glans surface epithelium of male 12. EMAPA: 30634 - prepuce of male
13. EMAPA: 30630 - glans mesenchyme of male
14. EMAPA: 29138 - mesonephros of male
15. EMAPA: 28003 - early proximal tubule
16. EMAPA: 29130 - interstitial value of the control of the contro
                                      interstitial vessel
18. EMAPA: 29929 - epithelial layer of cervix uteri
19. EMAPA:29927 - cervix uteri
20. EMAPA: 29925 - adventitia
21. EMAPA:29923 - myometrium
22. EMAPA:31296 - resident macrophages of the cortex
23. EMAPA: 29921 - rest of endometrium
24. EMAPA: 27684 - upper limb of comma-shaped body
25. EMAPA: 27681 - comma-shaped body
26. EMAPA:29917
27. EMAPA:29919
                                 - endometrium
27. EMAPA: 29919 - uterine gland
28. EMAPA: 27687 - lower limb of comma-shaped body
29. EMAPA: 29913 - serosa of rest of oviduct
30. EMAPA:29915
                                 - uterus
31. EMAPA: 29106 - Sertoli cell
32. EMAPA: 29114 - developing vasculature of the testis
                                 - genitourinary system
33. EMAPA:16367
34. EMAPA:29110 - peritubular myoid cell
35. EMAPA: 27697 - ureteric trunk
36. EMAPA: 27694 - ureteric tip
37. EMAPA: 27690 - renal interstitium
38. EMAPA: 30664 - mesenchyme of crus penis
39. EMAPA: 29945 - adventitia of upper part of vagina
40. EMAPA: 31276 - rest of renal interstitium
41. EMAPA:31273 - resident macrophages
42. EMAPA:29943 - rest of epithelial layer of upper vagina
43. EMAPA:31279
                                 - renal fibroblasts
44. EMAPA:30668 -
                                       surface epithelium of crus penis
45. EMAPA: 29161 - degenerating mesonephric portion of male paramesonephric duct
46. EMAPA: 29167 - genital tubercle mesenchyme of male 47. EMAPA: 31281 - anlage of loop of Henle
48. EMAPA: 29931 - muscle layer of cervix uteri
49. EMAPA: 30675
                                       outer layer of uterine horn
50. EMAPA:29933
                                  - adventitia of cervix uteri
51. EMAPA: 31288 - renal cortical fibroblasts
52. EMAPA: 29935 - gland of lower vaginal epithelium
53. EMAPA: 29937 - rest of epithelial layer of lower vagina 54. EMAPA: 29939 - adventitia of lower part of vagina
                                      genital tubercle surface epithelium of male
55. EMAPA:29170 -
56. EMAPA: 29173 - nephric duct of male, rest of 57. EMAPA: 29177 - mesenchyme of rest of nephric duct of male
58. EMAPA: 29941 - gland of upper vaginal epithelium
                                 - mesenchyme of glans penis
59. EMAPA:30642
                                 - preputial gland
- endothelial layer of renal vein
- surface epithelium of glans penis
- mesonephric tubule of male
60. EMAPA:30640
61. EMAPA: 29964 - 62. EMAPA: 30646 -
63. EMAPA:29148 -
64. EMAPA:31260
                                       theca of atretic follicle
65. EMAPA:29143
                                       mesonephric mesenchyme of male
66. EMAPA: 31266 - 67. EMAPA: 31268 -
                                 - longitudinal muscle layer of infundibulum - circular muscle layer of infundibulum
68. EMAPA: 31262 - granulosa of ruptured follicle
69. EMAPA:30650
                                      prepuce mesenchyme of male
70. EMAPA: 31264 - muscle layer of infundibulum
71. EMAPA:30655 - prepuce surface epithelium of male 72. EMAPA:30659 - preputial gland of male
73. EMAPA:31270 - nephrogenic interstitium
                                 - paramesonephric duct of male, mesonephric portion
74. EMAPA:29158
75. EMAPA: 28077 - pelvic urothelial lining
76. EMAPA:28075 - capillary
77. EMAPA:28862 - proximal straight tubule
```

```
78. EMAPA: 28073 - venous
79. EMAPA: 28071 - arterial
80. EMAPA: 28856 - mesenchymal layer of phallic urethra of male
81. EMAPA: 28853 - epithelial layer of phallic urethra of male
82. EMAPA: 28859 - muscle layer of phallic urethra of male 83. EMAPA: 28089 - urothelium
84. EMAPA: 28850 - interstitium
85. EMAPA: 28083 - perihilar interstitium
86. EMAPA: 28844 - ureteral smooth muscle layer
87. EMAPA: 28847 - smooth muscle component
87. EMAPA:28847 - SMOOTH Muscle Component
88. EMAPA:28880 - mesenchymal stroma of ovary
89. EMAPA:28069 - developing vasculature of medulla
90. EMAPA:28061 - medullary collecting duct
91. EMAPA:30699 - prepuce of female
92. EMAPA:28037 - venous
93. EMAPA:28035 - arterial
94. EMAPA:28811 - ureteral smooth muscle layer
95. EMAPA:28029 - developing vasculature of cortex
96. EMAPA:28814 - smooth muscle component
97. EMAPA:28049 - immature loop of Henle
97. EMAPA: 28049 - immature 100p of Henle

98. EMAPA: 28039 - capillary

99. EMAPA: 28801 - intermediate cell layer

100. EMAPA: 28806 - basal cell layer

101. EMAPA: 28841 - lamina propria

102. EMAPA: 28011 - renal connecting tubule

103. EMAPA: 28836 - adventitia of trigone

104. EMAPA: 28831 - adventitia of fundus
104. EMAPA: 28831 - adventitia of fundus
105. EMAPA: 28007 - early distal tubule
106. EMAPA: 28826 - adventitia of bladder
107. EMAPA: 28888 - developing vasculature of ovary
107. EMAPA:28888 - developing vascul
108. EMAPA:29098 - primary sex cord
109. EMAPA: 27625 - ureteric tip
110. EMAPA: 27627 - ureteric stalk
111. EMAPA: 27621 - cap mesenchyme

112. EMAPA: 27623 - peripheral blastema

113. EMAPA: 31367 - resident macrophage of the perihilar interstitium
114. EMAPA:31361 - perihilar fibroblast
115. EMAPA:29976 - endothelial layer of renal artery
116. EMAPA:29993 - ureteral mesenchyme, rest of 117. EMAPA:29995 - endothelium of renal artery 118. EMAPA:29990 - metanephric mesenchyme
119. EMAPA: 27617 - rostral
120. EMAPA: 27615 - parametanephric mesenchyme
121. EMAPA: 31354 - renal medullary nerves
122. EMAPA: 27619 - caudal
123. EMAPA: 31347 - renal medullary lymphatics
124. EMAPA: 27602 - nephric duct, pronephric portion 125. EMAPA: 27605 - ureteric tip
126. EMAPA: 27608 - ureteric trunk
127. EMAPA:31340 - rest of renal medullary interstitium 128. EMAPA:29065 - primary oocyte of primary follicle
128. EMAPA:29065 - primary oocyte of primary follicle
129. EMAPA:29067 - follicle cell of primary follicle
130. EMAPA:29061 - muscular layer of lower part of vagina
131. EMAPA:31333 - resident macrophages of the medulla
132. EMAPA:27673 - pretubular aggregate
133. EMAPA:27665 - paramesonephric duct
135. EMAPA:31326 - renal medullary fibroblasts
136. EMAPA:27663 - perhyic duct mesonephric portion
136. EMAPA: 27663 - nephric duct, mesonephric portion
137. EMAPA: 27661 - mesonephric mesenchyme
138. EMAPA: 31312 - renal cortical lymphatics
139. EMAPA: 31319 - renal cortical nerves 140. EMAPA: 27659 - mesonephric tubule
141. EMAPA: 27655 - posterior gonadal mesenchyme
142. EMAPA: 27655 - central gonadal mesenchyme
143. EMAPA: 27653 - anterior gonadal mesenchyme
144. EMAPA: 27644 - mesonephros
145. EMAPA:31304
146. EMAPA:27642
                                   - rest of renal cortical interstitium
                                   - associated mesenchyme
147. EMAPA: 27640 - cloacal epithelium
148. EMAPA: 27638 - cloaca
149. EMAPA:29806
                                   - rest of interstitium of anterior prostate
150. EMAPA:29804
151. EMAPA:29802
                                   - smooth muscle of anterior prostate - anterior prostatic interstitium
152. EMAPA: 29800
153. EMAPA: 30720
                                   - ductal epithelium of anterior prostate

- surface epithelium of glans clitoris

- mesenchyme of crus of clitoris
154. EMAPA:30725
155. EMAPA:29808
156. EMAPA:30730
                                   dorsal prostate glandsurface epithelium of crus of clitoris
157. EMAPA:30749 - outer layer of epididymis
158. EMAPA:30747 - muscle layer of epididymis
159. EMAPA: 30745 - surface epithelium of epididymis
160. EMAPA:30751 - outer layer of ductus deferens
161. EMAPA:29009 - cortical component of mesenchymal stroma
```

```
162. EMAPA: 30757 - oocyte of primordial follicle
163. EMAPA:30755 - primordial follicle
164. EMAPA:29014 - medullary component of mesenchymal stroma
165. EMAPA: 30767 - follicle cell of tertiary follicle
166. EMAPA:30765 - oocyte of tertiary follicle
167. EMAPA:30769 - theca of tertiary follicle
168. EMAPA:31379 - premacula segment of distal straight tubule
169. EMAPA:29848 - rest of interstitium of ventral prostate
170. EMAPA:30763 - tertiary follicle
171. EMAPA:29846
                             - smooth muscle of ventral prostate
172. EMAPA: 29844 - ventral prostatic interstitium
173. EMAPA: 31373 - rest of perihilar interstitium
174. EMAPA: 29852 - epithelial layer of crus penis
175. EMAPA: 29850 - corpus spongiosum
                            mural of tertiary follicleGraafian follicle
176. EMAPA:30775
177. EMAPA:30777
178. EMAPA:30779 - primary oocyte of mature follicle
179. EMAPA:29836 - ventral prostate gland
180. EMAPA: 31389 - resident macrophage of the outer medulla
181. EMAPA: 29838 - ventral prostatic epithelium 182. EMAPA: 31384 - outer medullary fibroblast
183. EMAPA:30771 - antrum of tertiary follicle
184. EMAPA:29832 - smooth muscle of lateral prostate
185. EMAPA: 30773 - cumulus of tertiary follicle
186. EMAPA: 29834 - rest of interstitium of lateral prostate
187. EMAPA: 29840 - glandular epithelium of ventral prostate
188. EMAPA: 29842 - ductal epithelium of ventral prostate
189. EMAPA: 29034 - muscular layer
190. EMAPA:29030 - epithelium
191. EMAPA:30789 - antrum of mature follicle
192. EMAPA:30787 - theca of mature follicle
192. EMAPA: 30787 - theca of mature follicle
193. EMAPA: 30785 - mural of mature follicle
194. EMAPA: 29824 - lateral prostatic epithelium
195. EMAPA: 31394 - rest of outer medullary interstitium
196. EMAPA: 30783 - cumulus of mature follicle
197. EMAPA: 29822 - lateral prostate gland
198. EMAPA: 30781 - germinal cell of mature follicle
199. EMAPA:29828
                             - ductal epithelium of lateral prostate
200. EMAPA:29826
                             - glandular epithelium of lateral prostate
201. EMAPA: 31399
202. EMAPA: 29046
                             - inner medullary fibroblast
- muscle layer of oviduct
203. EMAPA:29043
204. EMAPA:29830
                             - epithelial layer of oviduct
                             - lateral prostatic interstitium
205. EMAPA: 29049 - outer layer of oviduct
                             - smooth muscle of dorsal prostate
- vasculature of seminal vesicle
206. EMAPA: 29818
207. EMAPA: 30797
208. EMAPA:30799 - vasculature of ejaculatory duct 209. EMAPA:30793 - vasculature of ductus deferens
210. EMAPA:29810
                             - dorsal prostatic epithelium
                             - vasculature of epididymis
- glandular epithelium of dorsal prostate
211. EMAPA:30795
212. EMAPA:29812
213. EMAPA: 29814 - ductal epithelium of dorsal prostate 214. EMAPA: 30791 - vasculature of scrotum
215. EMAPA: 29816 - dorsal prostatic interstitium
                            - muscular layer of upper part of vagina
- epithelial layer of lower part of vagina
216. EMAPA:29055
217. EMAPA:29058
218. EMAPA:29820
                             - rest of interstitium of dorsal prostate
219. EMAPA: 29052 - epithelial layer of upper part of vagina 220. EMAPA: 28759 - epithelial layer of pelvic urethra of female
221. EMAPA: 28753 - pelvic urethra of female
222. EMAPA: 28747 - urethra of female
223. EMAPA: 28709 - muscle layer of pelvic urethra of male
224. EMAPA: 28703 - mesenchymal layer of pelvic urethra of male
225. EMAPA:18331 - mediastinum testis
226. EMAPA:18332 - rete testis
227. EMAPA:18326 - renal medullary in
                             - renal medullary interstitium
228. EMAPA:18329 - labial swelling
229. EMAPA:18328
230. EMAPA:31409
                             - Mllerian tubercle
230. EMAPA:31409 - rest of inner medullary interstitium
231. EMAPA:31404 - resident macrophage of the inner medulla
232. EMAPA:27708 - epithelial layer of ureter
233. EMAPA: 28765
                                 mesenchymal layer of pelvic urethra of female
234. EMAPA:28771
235. EMAPA:19089
                                 muscle layer of pelvic urethra of female
                             - gubernaculum
                            - ejaculatory duct
- suspensory ligament of ovary
236. EMAPA:19088
237. EMAPA:19085
238. EMAPA:19087
                             - appendix testis
                            - appendix epididymis

- theca of ruptured follicle

- ruptured follicle
239. EMAPA:19086
240. EMAPA:29882
241. EMAPA:29880
                             - corpus luteum
242. EMAPA: 29886
243. EMAPA: 29884 - germinal cell of ruptured follicle
244. EMAPA: 29878 - apoptotic germinal cell
245. EMAPA: 29876 - oocyte of atretic follicle
```

```
246. EMAPA:27721 - nephrogenic zone
247. EMAPA:31469 - small blood vessels
248. EMAPA:29897 - infundibulum
249. EMAPA:31450 - renal venous system
250. EMAPA: 29888 - corpus albicans
251. EMAPA: 27711 - ureteral mesenchyme
252. EMAPA: 29864 - oocyte of secondary follicle
253. EMAPA: 29862 - secondary follicle
254. EMAPA: 29860 - rest of glans penis
255. EMAPA: 31488 - spermatozoan
256. EMAPA: 29858 - epithelial layer of glans penis
257. EMAPA: 31486 - spermatid
258. EMAPA: 29856 - corpus spongiosum
                          - corpus spongiosum
259. EMAPA: 31484 - spermatocyte
260. EMAPA: 29854 - rest of crus penis
261. EMAPA: 31482 - spermatogonium
262. EMAPA: 27749 - ureteric tip
263. EMAPA: 27742 - pretubular aggregate
264. EMAPA: 29872 - theca of secondary follicle
265. EMAPA:31480 - peritubular myoid cell
266. EMAPA:29874 - atretic follicle
267. EMAPA: 29870
268. EMAPA: 31476
                         - mural
- Seminiferous tubule
269. EMAPA:31478 - Sertoli cell
270. EMAPA: 29866 - follicle
271. EMAPA: 29868 - cumulus
                          - follicle cell of secondary follicle
272. EMAPA: 27735 - cap mesenchyme
273. EMAPA: 27770 - capillary loop renal corpuscle
274. EMAPA: 27772 - visceral epithelium
275. EMAPA: 27774 - parietal epithelium
276. EMAPA: 31426 - periarterial fibroblasts of cortex
277. EMAPA: 27764 - proximal segment of s-shaped body 278. EMAPA: 31424 - peritubular fibroblasts of cortex
279. EMAPA:27766 - visceral epithelium
280. EMAPA:27768 - parietal epithelium
281. EMAPA:31428 - peritubular fibroblasts of outer medulla
282. EMAPA: 27762 - medial segment of s-shaped body
283. EMAPA: 27760 - distal segment of s-shaped body
                         - s-shaped body
- medullary renal tubule
284. EMAPA:27756
285. EMAPA: 31414
286. EMAPA: 31418
                          - rest of medullary renal tubule
287. EMAPA: 27758 - renal connecting tubule of s-shaped body 288. EMAPA: 27794 - developing vasculature of metanephros
289. EMAPA: 27790 - renal connecting tubule
290. EMAPA: 30711 - preputial gland of female
291. EMAPA: 30715 - mesenchyme of glans clitoris
292. EMAPA: 27780 - anlage of the loop of Henle
293. EMAPA: 27788 - early distal tubule
294. EMAPA: 31443 - renal capillaries
295. EMAPA: 29899 - epithelial layer of infundibulum 296. EMAPA: 27784 - early proximal tubule
297. EMAPA:30707 - prepuce surface epithelium of female 298. EMAPA:27782 - renal tubule
299. EMAPA: 27780 - presumptive endothelium of renal corpuscle
300. EMAPA:18323 - urachus
301. EMAPA:30703 - prepuce
                          - prepuce mesenchyme of female
302. EMAPA: 27778 - presumptive mesangium 303. EMAPA: 31436 - renal arterial system
304. EMAPA:27776
                          - associated interstitium
305. EMAPA:18321 - bladder
306. EMAPA:31432 - peritub
                          - peritubular fibroblasts of inner medulla
307. EMAPA: 31434 - periarterial fibroblasts of inner medulla 308. EMAPA: 31430 - periarterial fibroblasts of outer medulla
309. EMAPA:30429
                          - surface epithelium of labioscrotal swelling of female
310. EMAPA:30426
311. EMAPA:30423
                          - mesenchyme of labioscrotal swelling of female
                          - labioscrotal swelling of female
312. EMAPA:16103
                          - organ system
                         - mesenchymal layer of labial swelling
- surface epithelium of labial swelling
- scrotal fold
313. EMAPA:30433
314. EMAPA:30438
315. EMAPA:29316
316. EMAPA:29321
                              glandular tissue of seminal vesicle
317. EMAPA:30484
                             distal genital tubercle of female
                         - mesenchyme of distal genital tubercle of female
- surface epithelium of distal genital tubercle of female
318. EMAPA:30487
319. EMAPA:30490
320. EMAPA:30493
321. EMAPA:30499
                          - mesenchyme of female preputial swelling
                             preputial gland of female
322. EMAPA:29307
                          - inguinal ring
323. EMAPA:30496
324. EMAPA:29304
                          - surface epithelium of female preputial swelling
                          - cystic vesicular appendage
                          - internal inguinal ring
- external inguinal ring
325. EMAPA:29313
326. EMAPA:29310
327. EMAPA: 28619 - muscularis mucosa of bladder
328. EMAPA:30467 - urethral epithelium of male 329. EMAPA:28613 - epithelium of trigone
```

```
330. EMAPA: 30460 - coelomic epithelium of male mesonephros
331. EMAPA:30478 - preputial swelling of female 332. EMAPA:28601 - epithelium of bladder
333. EMAPA: 30470 - urethral epithelium of female
334. EMAPA: 28607 - epithelium of fundus 335. EMAPA: 30445 - epithelium of epididymis
336. EMAPA:30447 - muscle layer of epididymis
337. EMAPA:30449 - juxtaglomerular complex
338. EMAPA: 28637 - detrusor muscle of bladder
339. EMAPA:30443
                        - adventitia of epididymis
340. EMAPA: 28643 - detrusor muscle of fundus
341. EMAPA:17646 - primitive collecting duct 342. EMAPA:28625 - muscularis mucosa of fundus
343. EMAPA:17645 - cap mesenchyme
344. EMAPA: 28631 - muscularis mucosa of trigone
345. EMAPA: 28649 - detrusor muscle of trigone
346. EMAPA:27829 - renal vesicle
347. EMAPA:28661 - serosa of bladder
348. EMAPA:28673 - serosa of trigone
349. EMAPA:28667 - serosa of fundus
350. EMAPA: 28679 - blood vessels of bladder
351. EMAPA:28697 - epithelial layer of pelvic urethra of male 352. EMAPA:31528 - nerve of urogenital sinus
353. EMAPA: 31527 - pelvic ganglion
354. EMAPA:31529 - mesenchymal layer of dor; 355. EMAPA:31524 - nerve of phallic urethra
                        - mesenchymal layer of dorsal primitive bladder
356. EMAPA:31523 - nerve of pelvic urethra 357. EMAPA:31526 - nerve of bladder
                        mesenchymal layer of ventral primitive bladderepithelium of urogenital sinus
358. EMAPA: 31525
359. EMAPA: 31520 - epithelium of un 360. EMAPA: 31522 - pelvic ganglion
361. EMAPA:31521 - early distal tubule of capillary loop nephron 362. EMAPA:31519 - mesenchyme of urogenital sinus
363. EMAPA:31518 - urethral epithelium
364. EMAPA:31517 - renal connecting tubule of mature nephron
365. EMAPA:31516 - renal connecting tubule of maturing nephron
366. EMAPA: 31515 - renal connecting tubule of capillary loop nephron
367. EMAPA: 31514 - early distal tubule of maturing nephron
368. EMAPA:31513 - early distal tubule of maturing nephron 369. EMAPA:31512 - early proximal tubule of maturing nephron 370. EMAPA:31511 - early distal tubule of capillary loop nephron
371. EMAPA:31510
                        - developing vasculature of male genital tubercle
                        - epithelium of urogenital sinus
372. EMAPA: 31509
373. EMAPA: 31502 - surface epithelium of proximal genital tubercle of male 374. EMAPA: 18692 - urethra of male
374. EMAPA:18692 - urethra of male
375. EMAPA:31501 - mesenchyme of proximal genital tubercle of male
376. EMAPA: 18693 - urethral fold of male
377. EMAPA: 31504 - proximal genital tubercle of male
378. EMAPA: 31503 - developing vasculature of female genital tubercle
379. EMAPA: 31506 - proximal genital tubercle of female 380. EMAPA: 31505 - urethral opening of male
381. EMAPA:31508 - proximal urethral epithelium of male
382. EMAPA: 31507 - distal urethral epithelium of male
383. EMAPA: 31500 - mesenchyme of urogenital sinus
384. EMAPA: 31565 - nerve of pelvic urethra of male 385. EMAPA: 31566 - cortical renal tubule of mature nephron GROUP
386. EMAPA:31563 - developing vasculature of urinary system GROUP 387. EMAPA:31564 - developing vasculature of reproductive system GROUP
388. EMAPA: 31561 - ventral mesenchyme of pelvic urethra
389. EMAPA:31562 - nephrogenic zone GROUP
390. EMAPA:31560 - muscle layer of dorsal pelvic urethra of female
391. EMAPA:18677 - major
392. EMAPA:18676 - calyx
                        - calyx
393. EMAPA: 31569 - nerves of urethra GROUP
394. EMAPA:31567 - nerve of pelvic urethra of female 395. EMAPA:31568 - nerve of phallic urethra of male
396. EMAPA: 31552 - mesenchymal layer of dorsal pelvic urethra of male 397. EMAPA: 31553 - mesenchymal layer of ventral pelvic urethra of female 398. EMAPA: 31554 - mesenchymal layer of dorsal pelvic urethra of female
399. EMAPA: 18680 - genital tubercle of female
400. EMAPA: 31555 - muscle layer of ventral pelvic urethra of male 401. EMAPA: 31550 - mesenchymal layer of ventral pelvic urethra of male
402. EMAPA:31551 - nerve of phallic urethra of female 403. EMAPA:18686 - germ cell of testis
404. EMAPA:18685 - seminiferous cord
405. EMAPA: 18687 - interstitium of the testis
406. EMAPA: 31556 - muscle layer of dorsal pelvic urethra of male
407. EMAPA:18682 - penis
408. EMAPA:31557 - nerve of caudal urethra
409. EMAPA:18681 - ductus deferens
                        - nerve of pelvic urethra
410. EMAPA:31558
411. EMAPA:31559 - muscle layer of ventral pelvic urethra of female 412. EMAPA:18678 - minor 413. EMAPA:18679 - renal capsule
```

```
414. EMAPA:31540 - renal connecting segment of renal vesicle
415. EMAPA: 31543 - early proximal tubule of capillary loop nephron 416. EMAPA: 31544 - early proximal tubule of capillary loop nephron 417. EMAPA: 31541 - renal connecting segment of renal vesicle
418. EMAPA: 31542 - early proximal tubule of maturing nephron
419. EMAPA: 31547 - proximal renal vesicle
420. EMAPA: 31548 - distal renal vesicle
421. EMAPA: 31545 - renal connecting segment of comma-shaped body
422. EMAPA: 31546 - renal connecting segment of comma-shaped body
423. EMAPA: 31549 - proximal renal vesicle 424. EMAPA: 27895 - visceral epithelium
424. EMAPA: 27895
425. EMAPA:31530 - proximal urethral epithelium of female 426. EMAPA:31531 - urethral opening of female
427. EMAPA: 31532 - developing vasculature of urogenital sinus
428. EMAPA:31533
                       - nerves of urogenital sinus
429. EMAPA: 31534 - mesenchyme of proximal genital tubercle of female
430. EMAPA: 27877 - medial segment of s-shaped body
431. EMAPA: 31535 - surface epithelium of proximal genital tubercle of female
432. EMAPA: 31536 - distal urethral epithelium of female
                       - developing vasculature of male mesonephros
- developing vasculature of female mesonephros
433. EMAPA:31537
434. EMAPA:31538
435. EMAPA: 31539 - developing vasculature of primitive bladder 436. EMAPA: 27883 - proximal segment of s-shaped body
437. EMAPA: 27865 - renal connecting tubule of s-shaped body
438. EMAPA: 27871 - distal segment of s-shaped body
439. EMAPA: 27853 - s-shaped body
440. EMAPA: 27841 - upper limb of comma-shaped body 441. EMAPA: 27847 - lower limb of comma-shaped body
442. EMAPA:31582 - distal renal vesicle
443. EMAPA: 31579
444. EMAPA: 31578
                       - developing vasculature of urinary system
                       - developing vasculature of genitourinary system
445. EMAPA: 27835 - comma-shaped body
446. EMAPA:31571
                       - cortical renal tubule of capillary loop nephron GROUP
447. EMAPA:31570 - cortical renal tubule of maturing nephron GROUP 448. EMAPA:31573 - mesenchyme of pelvic urethra 449. EMAPA:31572 - dorsal mesenchyme of pelvic urethra
450. EMAPA:31575 - mesenchymal layer of dorsal pelvic urethra
451. EMAPA:31574 - mesenchymal layer of ventral pelvic urethra

muscle layer of dorsal pelvic urethra
muscle layer of ventral pelvic urethra
developing vasculature of reproductive system

452. EMAPA:31577
453. EMAPA: 31576
454. EMAPA: 31580
455. EMAPA: 30522 - tunica albuginea of ovary
456. EMAPA: 30528 - cranial mesonephric tubule of male
457. EMAPA: 29274 - epithelium of ductus deferens
                       - muscle layer of ductus deferens
- rest of cranial mesonephric tubule of male
458. EMAPA:29270
459. EMAPA:30536
460. EMAPA:30532
                       - mesonephric glomerulus of male
461. EMAPA:29288
                       - glans penis
                       - rest of the seminal vesicle - duct of the seminal vesicle
462. EMAPA:29286
463. EMAPA:29282
464. EMAPA:30547
                       - mesonephric glomerulus of female
465. EMAPA: 30544 - cranial mesonephric tubule of female
466. EMAPA: 30540 - caudal mesonephric tubule of male
467. EMAPA:30556
                       - cranial mesonephric tubule of male
468. EMAPA: 30558 - rest of cranial mesonephric tubule 469. EMAPA: 30553 - caudal mesonephric tubule of femal
                       - caudal mesonephric tubule of female
470. EMAPA: 30550 - rest of cranial mesonephric tubule of female
                       - mesenchyme of male preputial swelling
471. EMAPA:29226
472. EMAPA: 29223 - surface epithelium of male preputial swelling
473. EMAPA:29220 - preputial swelling of male 474. EMAPA:16245 - visceral organ
475. EMAPA:30509 - labioscrotal swelling of male
476. EMAPA: 29244 - peritubular myoid cell
477. EMAPA: 30502 - preputial gland of male
478. EMAPA: 29252 - glans of male genital tubercle
479. EMAPA: 29254 - mesenchyme of glans of male genital tubercle
                       - surface epithelium of glans of male genital tubercle - surface epithelium of labioscrotal swelling of male
480. EMAPA:29256
481. EMAPA:30515
482. EMAPA:30512
                          mesenchyme of labioscrotal swelling of male
                          mesenchyme of degenerating rest of paramesonephric duct of male mesenchyme of distal genital tubercle of male
483. EMAPA:29202
484. EMAPA:29207
485. EMAPA:29205
                          distal genital tubercle of male
486. EMAPA:29209
487. EMAPA:28518
                       surface epithelium of distal genital tubercle of malerenal interstitium group
488. EMAPA:30560
489. EMAPA:30562
                       - mesonephric glomerulus of male
                       - cranial mesonephric tubule
                       - rest of cranial mesonephric tubule
490. EMAPA:30565
491. EMAPA: 30568
                       - mesonephric glomerulus
492. EMAPA: 30571 - caudal mesonephric tubule
                       developing capillary loop stage nephron GROUPcranial mesonephric tubule
493. EMAPA:28506
494. EMAPA:30576
495. EMAPA: 30574 - caudal mesonephric tubule
496. EMAPA:30578 - rest of cranial mesone
497. EMAPA:30580 - mesonephric glomerulus
                       - rest of cranial mesonephric tubule
```

```
498. EMAPA:28500 - early tubule
499. EMAPA:28555 - urethral plate
500. EMAPA:27925 - associated interstitium of renal corpuscle
501. EMAPA:28547 - allantois
502. EMAPA:28561 - subepithelial layer
503. EMAPA:27913 - visceral epithelium
504. EMAPA:27919 - parietal epithelium
505. EMAPA:28533 - male associated reproductive structure
506. EMAPA: 27943 - maturing renal corpuscle
507. EMAPA: 28527
                            - late tubule
508. EMAPA: 27949 - maturing glomerular tuft
509. EMAPA: 28540 - female associated reproductive structure 510. EMAPA: 27931 - presumptive mesangium
511. EMAPA: 27937 - presumptive endothelium of renal corpuscle
512. EMAPA: 28570 - outer layer
513. EMAPA: 27907 - capillary loop renal corpuscle
514. EMAPA: 28567 - middle layer
515. EMAPA: 27901 - parietal epithelium
516. EMAPA: 28588 - superficial cellular layer
517. EMAPA: 27967
                            - visceral epithelium
518. EMAPA:29196
                            - degenerating rest of paramesonephric duct of male
519. EMAPA: 29199 - epithelium of degenerating rest of paramesonephric duct of male 520. EMAPA: 27955 - glomerular capillary system of maturing glomerular tuft 521. EMAPA: 29181 - epithelium of rest of nephric duct of male
522. EMAPA: 27961 - glomerular mesangium
523. EMAPA: 29185 - paramesonephric duct of male, rest of
524. EMAPA:29187 - epithelium of rest of paramesonephric duct of male 525. EMAPA:29189 - mesenchyme of rest of paramesonephric duct of male
526. EMAPA: 27985 - urinary space of renal corpuscle 527. EMAPA: 27991 - juxtaglomerular arteriole
527. EMAPA:27991 - juxtaglomerular arte
528. EMAPA:27979 - parietal epithelium
529. EMAPA: 27973 - Bowman's capsule
530. EMAPA: 16745 - associated mesenchyme
531. EMAPA:16744 - mesonephros
532. EMAPA:16747 - tubule
533. EMAPA:16746 - non-tubular part
534. EMAPA: 31003 - adventita of vagina 535. EMAPA: 28491 - mature nephron
536. EMAPA: 28494 - ureteric trunk
537. EMAPA: 28485 - maturing nephron
538. EMAPA: 28477 - primitive collecting duct group
539. EMAPA: 28457 - renal vasculature
540. EMAPA: 28445 - stage IV immature nephron
541. EMAPA: 28425 - nephric duct group
542. EMAPA: 28429 - nephric duct group
543. EMAPA: 28407 - collecting duct
544. EMAPA: 28402 - postmacula segment
545. EMAPA: 28405 - ureteric trunk
546. EMAPA: 28387 - renal distal tubule
547. EMAPA: 28376 - renal vein
548. EMAPA: 28373 - renal artery
549. EMAPA: 28370 - inner medullary collecting duct 550. EMAPA: 16858 - gonadal mesenchyme
551. EMAPA:16859 - primordial germ cells
552. EMAPA:16857 - gonad
553. EMAPA:28396 - distal straight tubule
554. EMAPA:28399 - macula densa
555. EMAPA:28393 - distal convoluted tubule
556. EMAPA: 28390 - early distal tubule
557. EMAPA:28337 - outer medullary interstitium
558. EMAPA:28346 - outer medullary collecting duct
559. EMAPA:17948 - pelvis
560. EMAPA:28325 - thin descending limb
561. EMAPA: 28328 - thin ascending limb
562. EMAPA:17950 - ureter
563. EMAPA:28331 - premacula segment of distal straight tubule
564. EMAPA: 28358 - bend
565. EMAPA:28364 - inner medullary interstitium 566. EMAPA:28361 - thin ascending limb
567. EMAPA: 28349
                            - inner medulla
568. EMAPA:28352
                            - loop of Henle, inner medullary portion
569. EMAPA: 28355
                            - thin descending limb
570. EMAPA:17975 - germ cell of the testis 571. EMAPA:17953 - nephrogenic interstitium
572. EMAPA:17952
                            - renal cortex
573. EMAPA:17952 - renal cortex

573. EMAPA:17954 - early nephron GROUP

574. EMAPA:17956 - phallic urethra of male

575. EMAPA:17959 - female reproductive system

576. EMAPA:17961 - mesovarium
577. EMAPA:28322
                            - loop of Henle, outer medullary portion
578. EMAPA: 17962 - ovary
579. EMAPA: 17966 - rete ovarii of ovary
580. EMAPA:17965 - germ cell of ovary
581. EMAPA:17963 - surface epithelium of ovary
```

```
582. EMAPA: 17969 - genital tubercle of male
583. EMAPA:17968 - male reproductive system 584. EMAPA:28310 - outer medulla
585. EMAPA:17972 - testis
586. EMAPA: 17973 - coelomic epithelium of testis
587. EMAPA:17970 - nephric duct of male, mesonephric portion
588. EMAPA:17971 - mesorchium
589. EMAPA:30037 - renal cortical capillary
590. EMAPA: 31235 - developing vasculature system of epididymis
591. EMAPA: 30031 - glomerular mesangium of Bowman's capsule
592. EMAPA: 30801 - vasculature of bulbourethral gland
593. EMAPA:30809 - vasculature of ovidu
594. EMAPA:30807 - vasculature of penis
                     - vasculature of oviduct
595. EMAPA: 28281 - renal proximal tubule
596. EMAPA: 30805 - vasculature of prostate gland
597. EMAPA: 28284 - early proximal tubule
598. EMAPA: 28287 - renal proximal convoluted tubule
598. EMAPA: 28287
599. EMAPA: 31240
                     - surface epithelium of testis
600. EMAPA: 31247 - follicle cell of primordial follicle
                     - vasculature of vagina
601. EMAPA:30813
602. EMAPA: 30811 - vasculature of uterus
603. EMAPA: 28272
604. EMAPA: 30819
                     rest of afferent arterioleclitoris
605. EMAPA: 28275 - efferent arteriole
606. EMAPA: 31250
607. EMAPA: 28278
                     - cremaster muscle
                     - extraglomerular mesangium
608. EMAPA:31214 - developing vasculature of oviduct 609. EMAPA:30011 - endothelium of renal vein
610. EMAPA:17209 - ureteric bud
611. EMAPA:17208
612. EMAPA:17207
                     - metanephric mesenchyme
                     - metanephros
613. EMAPA: 29788 - rest of ejaculatory duct 614. EMAPA: 30821 - crus of clitoris

smooth muscle layer of renal vein
developing vasculature of upper part of vagina
epithelial layer of crus of clitoris

615. EMAPA:30019
616. EMAPA: 31219
617. EMAPA: 30825
618. EMAPA:30823
                     - os clitoris
619. EMAPA:29790
                     - epithelial component of bulbourethral gland
                     - glans clitoris
- parietal epithelium
620. EMAPA:30829
621. EMAPA: 28260
622. EMAPA: 30827
                     - mesenchymal layer of crus of clitoris
623. EMAPA:29798
                     - glandular epithelium of anterior prostate
                     - afferent arteriole
624. EMAPA: 28266
625. EMAPA: 29796 - anterior prostatic epithelium
                     urogenital sinuspart of afferent arteriole forming the juxtaglomerular complex
626. EMAPA:17211
627. EMAPA:28269
628. EMAPA:17212 - urorectal septum
629. EMAPA: 29794 - anterior prostate gland
630. EMAPA: 28263 - urinary space of renal corpuscle
631. EMAPA:17210
632. EMAPA:29792
                     - urogenital membrane
                     - interstitium of bulbourethral gland
633. EMAPA: 31224 - developing vasculature of lower part of vagina 634. EMAPA: 30003 - smooth muscle layer of renal artery
635. EMAPA:28248
                     - glomerular mesangium
636. EMAPA:30831
637. EMAPA:30833
                     surface epithelium of glans clitorismesenchymal layer of glans clitoris
638. EMAPA:30835
                     - vasculature of clitoris
639. EMAPA:31229
                     - developing vasculature of vagina
640. EMAPA:30837
                     - labia
641. EMAPA:30839 - epithelial layer 642. EMAPA:28257 - Bowman's capsule
                     - epithelial layer of labia
643. EMAPA:29786
644. EMAPA:28254
                     - epithelial layer of ejaculatory duct
                     - visceral epithelium
645. EMAPA:28251 - glomerular basement membrane
646. EMAPA:29769 - os penis
647. EMAPA:29767 - adventitia of ductus deferens
648. EMAPA:29771
                        epithelium of seminal vesicle adventitia of seminal vesicle
649. EMAPA:29775
650. EMAPA:29773
                     - muscle layer of seminal vesicle
                     developing vasculature of caput epididymisdeveloping vasculature of uterine horn
651. EMAPA:31204
652. EMAPA:31209
653. EMAPA:29755
                        epithelium of corpus epididymis

muscle layer of corpus of epididymis
adventitia of corpus of epididymis

654. EMAPA: 29757
655. EMAPA:29759
656. EMAPA:29761
                     - epithelium of caput of epididymis
657. EMAPA: 29763
                     - muscle layer of caput of epididymis
658. EMAPA:29765
                     - adventitia of caput of epididymis
659. EMAPA:29749
660. EMAPA:29747
                     rest of efferent ductepithelial layer of efferent duct
661. EMAPA:29745
                     - septum of scrotum
662. EMAPA:29753
                     - adventitia of cauda of epididymis
663. EMAPA: 29751 - muscle layer of cauda of epididymis
664. EMAPA:29737 - stratified layer
665. EMAPA:29739 - dermal layer of scrotum
```

```
666. EMAPA:29733 - epidermal layer of scrotum
667. EMAPA:29735 - basal layer
668. EMAPA:29741 - hair follicle
669. EMAPA: 29743 - sweat gland
670. EMAPA: 28245 - glomerular capillary system
671. EMAPA: 28239 - glomerular tuft
672. EMAPA: 28230 - afferent arteriole
673. EMAPA: 28233 - efferent arteriole
674. EMAPA: 28236 - mature renal corpuscle
675. EMAPA:28221 - arcuate vein
676. EMAPA:28218 - interlobular vein
677. EMAPA:28215 - arcuate artery
678. EMAPA:28212 - interlobular artery
679. EMAPA:30891 - urethra
680. EMAPA: 30895 - caudal urethra
681. EMAPA:30893 - pelvic urethra
682. EMAPA:30899 - urethral fold
683. EMAPA:30897 - urethral plate
684. EMAPA: 29731 - testicular branch of genital nerve
685. EMAPA: 30882 - epithelial layer of rest of urogenital sinus
686. EMAPA: 31199 - developing vasculature of corpus epididymis
687. EMAPA: 30885
688. EMAPA: 30888
                              - mesenchymal layer of rest of urogenital sinus

- urethral fold
689. EMAPA:31194 - developing vasculature of cauda epididymis 690. EMAPA:16577 - nephric duct 691. EMAPA:31188 - developing vasculature of ductus deferens
692. EMAPA:16578 - primordial germ cells
693. EMAPA:19180 - seminal vesicle
694. EMAPA:16579 - pronephros
695. EMAPA:31182 - developing vasculature of epididymis
696. EMAPA:16576 - associated mesenchyme
697. EMAPA:19169 - crus of clitoris
698. EMAPA:30850 - ureteral vasculature
699. EMAPA:30841 - mesenchymal layer of labia 700. EMAPA:30843 - gland of labia 701. EMAPA:19179 - tunica vaginalis testis
701. EMAPA:191/9 - tunica vaginalis testis
702. EMAPA:30845 - vasculature of labia
703. EMAPA:19177 - Sertoli cell
704. EMAPA:19176 - rest of interstitium of the testis
705. EMAPA:19175 - fetal Leydig cell
706. EMAPA:19174 - external
707. EMAPA:19173 - internal
708. EMAPA:19172 - inguinal ring
709. EMAPA:19171 - inguinal canal
710. EMAPA:19170 - glans clitoris
711. EMAPA:30879 - rest of urogenital sinus
712. EMAPA:30876 - mesenchymal layer of primitive bladder
713. EMAPA:30873 - epithelial layer of primitive bladder
714. EMAPA:30870 - primitive bladder
715. EMAPA:30942 - prostatic urethra
716. EMAPA:30137 - muscularis mucosa of neck
717. EMAPA:30946 - epithelial layer
718. EMAPA:28949 - epithelium of rest of nephric duct of female
719. EMAPA: 30944 - penile urethra
720. EMAPA: 28945 - nephric duct of female, rest of 721. EMAPA: 30130 - serosa of neck
722. EMAPA: 29669 - proximal straight tubule
723. EMAPA: 29675 - inner stripe of outer medulla
724. EMAPA: 28147 - renal cortical arterial system
725. EMAPA:28142 - renal cortical vasculature 726. EMAPA:29671 - distal straight tubule
727. EMAPA:30948 - mesenchymal layer
728. EMAPA:30952 - epithelial layer
729. EMAPA:30954 - mesenchymal layer
730. EMAPA:30956 - muscle layer
731. EMAPA:28957 - epithelium of rest of paramesonephric duct of female
732. EMAPA:30123 - detrusor muscle of neck
733. EMAPA: 29657 - segment 1 of proximal tubule 734. EMAPA: 28953 - mesenchyme of rest of nephric duct of female
734. EMAPA: 28953 - Mesenchyme of rest of Rephric duct of remark 735. EMAPA: 30950 - muscle layer 736. EMAPA: 29659 - segment 2 of proximal tubule 737. EMAPA: 28961 - mesenchyme of rest of paramesonephric duct of female 738. EMAPA: 28136 - renal cortical interstitium 739. EMAPA: 29663 - outer stripe of outer medulla 740 FMADA: 29665 - loop of Henle
740. EMAPA:29665
                              - loop of Henle
                              - cortical collecting duct
741. EMAPA:28130
742. EMAPA: 29661 - renal proximal straight tubule
743. EMAPA:30924
744. EMAPA:28929
                              urethral plate of femalerete ovarii of mesonephros
745. EMAPA: 28924 - nephric duct of female, mesonephric portion 746. EMAPA: 29693 - epithelium of cauda of epididymis
747. EMAPA: 28167 - renal medullary venous system
748. EMAPA:29691 - renal nerve
749. EMAPA:30927 - urethral fold of female
```

```
750. EMAPA: 28162 - renal medullary arterial system
751. EMAPA:30934 - mesenchymal layer of phallic urethra of female 752. EMAPA:30930 - epithelial layer of phallic urethra of female
753. EMAPA: 30144 - adventitia of neck
754. EMAPA: 29679 - loop of Henle
755. EMAPA: 28937 - paramesonephric duct of female, mesonephric portion
756. EMAPA: 28934 - coelomic epithelium of female mesonephros 757. EMAPA: 29681 - thin descending limb
758. EMAPA:30150 - interstitium
759. EMAPA:28152
                                - renal cortical venous system
760. EMAPA: 29683 - premacula segment of distal straight tubule
761. EMAPA: 28940 - paramesonephric duct of female, rest of 762. EMAPA: 28157 - renal medullary vasculature 763. EMAPA: 30938 - muscle layer of phallic urethra of female
764. EMAPA: 29626 - genital tubercle surface epithelium of female 765. EMAPA: 30903 - pelvic urethra
766. EMAPA:30901 - urethra
767. EMAPA:30907 - mesenchymal layer of pelvic urethra
768. EMAPA:30905 - epithelial layer of pelvic urethra
                                - muscle layer of pelvic urethra
769. EMAPA:30909
770. EMAPA: 29633 - inner longitudinal muscle
771. EMAPA: 29631 - vasculature of the ovary 772. EMAPA: 30911 - phallic urethra
773. EMAPA:30913 - urethral plate of phallic urethra
774. EMAPA:30915 - urethral fold of phallic urethra
775. EMAPA:30917 - phallic urethra of female
776. EMAPA: 29621 - genital tubercle mesenchyme of female 777. EMAPA: 28965 - meiotic germ cell
778. EMAPA: 29645 - male urethral gland
779. EMAPA: 30116 - lamina propria of neck
780. EMAPA: 30971 - premeiotic germ cell
781. EMAPA: 29655 - Leydig cell
782. EMAPA: 29653 - female urethral gland
783. EMAPA: 29635 - outer circular muscle
784. EMAPA: 29637 - median umbilical ligament
785. EMAPA: 30102 - lamina propria of fundus
786. EMAPA: 29639 - bulbar part of urethra of male 787. EMAPA: 28978 - degenerating mesonephric tubule of female
788. EMAPA: 30109 - lamina propria of trigone
789. EMAPA: 29641 - distal region of urethra of male
790. EMAPA: 28981 - degenerating mesonephric portion of nephric duct of female
791. EMAPA: 26913 - inguinal canal
792. EMAPA: 27599 - nephric duct, metanephric portion
793. EMAPA:27573 - cloaca
794. EMAPA:27570 - posterior gonadal mesenchyme
795. EMAPA:17377 - nephric duct, metanephric portion
796. EMAPA:17376 - ureteric bud
797. EMAPA:17379 - urogenital sinus
798. EMAPA: 28101 - deep cellular layer
799. EMAPA:17378 - urogenital membrane
800. EMAPA:17373 - metanephros
801. EMAPA:17375 - metanephric mesenchyme
802. EMAPA:28909 - mesonephros of female
803. EMAPA: 27568 - central gonadal mesenchyme
804. EMAPA: 27566 - anterior gonadal mesenchyme
805. EMAPA: 27564 - coelonic epithelium
806. EMAPA:17368 - urogenital mesentery
807. EMAPA:17367 - mesentery
809. EMAPA:17366 - urinary system
809. EMAPA:28914 - mesonephric mesenchyme of female mesonephros
810. EMAPA:28919 - mesonephric tubule of female
811. EMAPA:27591 - nephric duct, mesonephric portion 812. EMAPA:28120 - pelvic smooth muscle
812. EMAPA: 28120 - pelvic smooth muscle
813. EMAPA: 27588 - mesonephric tubule
814. EMAPA: 27581 - associated mesenchyme
815. EMAPA: 17382 - genital tubercle
816. EMAPA: 27585 - mesonephric mesenchyme
817. EMAPA: 17381 - reproductive system
818. EMAPA: 17380 - urorectal septum
819. EMAPA:17386
820. EMAPA:17385
                                - primordial germ cell
                                - gonadal mesenchyme
821. EMAPA:17384 - coelomic epithelium
822. EMAPA:17383 - gonad
823. EMAPA:28114 - adventitia of urete
                                - adventitia of ureter
824. EMAPA: 27577
825. EMAPA: 18985
                               - cloacal epithelium
- uterine horn
826. EMAPA:18984
827. EMAPA:18976
828. EMAPA:18978
                                - oviduct
                                - cortical renal tubule
                                - cystic vesicular appendage
829. EMAPA:18998
                                - urethral plate of male
                                - lower part of vagina
830. EMAPA:18999
831. EMAPA:18995 - pelvic urethra of male
832. EMAPA:18993 - efferent duct of seminal vesicle
833. EMAPA:18988 - glans penis
```

```
834. EMAPA:18989 - prepuce of male
835. EMAPA:18986 - vagina
836. EMAPA:18987 - upper part of vagina
837. EMAPA:30088 - lamina propria of the bladder
838. EMAPA: 31058 - ovigerous cord
839. EMAPA: 29609 - rest of mesentery
840. EMAPA: 29605 - coelomic vessel
841. EMAPA: 29607 - interstitial vessel
842. EMAPA: 29603 - vasculature of testis
843. EMAPA:30051 - circular muscle layer of rest of oviduct 844. EMAPA:31021 - bend
845. EMAPA:30991 - epithelium of vagina
846. EMAPA:30043 - renal medullary capillary
847. EMAPA: 31025 - meiotic oocytes
848. EMAPA:30997 - muscular layer of vagina
849. EMAPA:30049 - muscle layer of rest of oviduct
850. EMAPA:30057 - longitudinal muscle layer of ductus deferens
851. EMAPA:30053 - longitudinal muscle layer of rest of oviduct
852. EMAPA: 30055 - circular muscle layer of ductus deferens
853. EMAPA: 31017 - straight limb
854. EMAPA: 30984 - female external genitalia
854. EMAPA:30984 - Iemale external genitalia

855. EMAPA:19279 - renal medulla

856. EMAPA:30072 - mesenchyme of paramesonephric duct, mesonephric portion

857. EMAPA:30070 - epithelium of paramesonephric duct, mesonephric portion

858. EMAPA:19285 - male accessory gland

859. EMAPA:19284 - primary follicle
860. EMAPA: 19284 - primary IOIIICle
860. EMAPA: 31045 - ureteric tree terminal branch excluding tip itself
861. EMAPA: 30068 - cranial suspensory ligament
862. EMAPA: 19280 - Loop of Henle group
863. EMAPA: 19287 - prostate gland
864. EMAPA: 19286 - bulbourethral gland
865. EMAPA: 19289 - typica olbusinas of terminas
865. EMAPA:19289 - tunica albuginea of testis
866. EMAPA:30977 - male external genitalia
867. EMAPA:31040 - rest of cortical component of mesenchymal stroma of ovary 868. EMAPA:30081 - epithelium of neck 869. EMAPA:19296 - scrotum
870. EMAPA:31035 - pre-granulosa cell
871. EMAPA:30074 - genital swelling
872. EMAPA:30077 - dorsal genital swelling
873. EMAPA:19294 - crus penis
874. EMAPA:19293 - corpus epididymis
875. EMAPA: 30079 - ventrolateral genital swelling
876. EMAPA:19292 - cauda epididymis
877. EMAPA:19291 - caput epididymis
878. EMAPA:19290 - epididymis
879. EMAPA:30965 - glomerular basement membrane
```

## DETAILS:

ID	EMAPA:30627	Is Group Term	false		
Name	scrotal fold s	surface epitheliur	n of male		
Starts At	TS24	Ends At	TS27		
Primary Parents	EMAPA:29316[so	crotal fold]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(I organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 scrotal fold s	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotal fold(EMAPA:29316), scrotal fold surface epithelium of male(EMAPA:30627)]			
Alternate Paths	organ system(I organ(EMAPA:16 system(EMAPA: 3 system(EMAPA: 3 system(EMAPA: 3 system(EMAPA: 3 scrotal fold smale(EMAPA: 3 of 2. [Abstract a	<pre>male(EMAPA:30627)]  1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),   organ system(EMAPA:16103), visceral   organ(EMAPA:16245), reproductive   system(EMAPA:17381), male reproductive   system(EMAPA:17968), male external   genitalia(EMAPA:30977), scrotal fold(EMAPA:29316),   scrotal fold surface epithelium of   male(EMAPA:30627)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),   embryo(EMAPA:16039), organ system(EMAPA:16103),   visceral organ(EMAPA:16245), reproductive</pre>			

Modified Component 1					
	<pre>system(EMAPA:17968), scrotal fold(EMAPA:29316), scrotal fold surface epithelium of male(EMAPA:30627)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotal fold(EMAPA:29316), scrotal fold surface epithelium of male(EMAPA:30627)]</pre>				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29316>				
	2. order=1	for EMAPA:29316			

Modified Component 2				
ID	EMAPA:29907	Is Group Term	false	
Name	epithelial layer	of rest of oviduc	t	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29905[rest	of oviduct]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), epithelial layer of rest of oviduct(EMAPA:29907)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), epithelial layer of rest of oviduct(EMAPA:29907)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29905>			
	2. order=0	for EMAPA:29905		

Modified Component 3					
ID	EMAPA:30624	Is Group Term	false		
Name	scrotal fold mese	nchyme of male			
Starts At	TS24	Ends At	TS27		
Primary Parents	EMAPA:29316[scrot	al fold]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotal fold(EMAPA:29316), scrotal fold mesenchyme of male(EMAPA:30624)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive				

Modified Componen	t 3				
	genitalia(	EMAPA: 3	8), male ext 0977), scrot enchyme of ma	al fo	ld(EMAPA:29316),
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotal fold(EMAPA:29316), scrotal fold mesenchyme of male(EMAPA:30624)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotal fold(EMAPA:29316), scrotal fold mesenchyme of male(EMAPA:30624)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29316>				
	2. 0	rder=0	for EMAPA:29	316	

Modified Component 4				
ID	EMAPA:16368	Is Group Term	false	
Name	nephric cord			
Starts At	TS13	Ends At	TS16	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric cord(EMAPA:16368)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric cord(EMAPA:16368)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:16367>			
	2. order=0	for EMAPA:16367		

Modified Component 5					
ID	EMAPA:16369	Is Group Term	false		
Name	presumptive nephr	ic duct			
Starts At	TS13	Ends At	TS13		
Primary Parents	EMAPA:16367[genit	ourinary system]			
Group Parents					
Synonyms	[Wolffian duct]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), presumptive nephric duct(EMAPA:16369)]				
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM	omy(EMAPA:0), mou 9), organ system( APA:16245), genit 7), presumptive n ]	EMAPA:16103), ourinary		

Modified Component 5					
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:16367>				
	2. order=1	for EMAPA:16367			

Modified Component 6				
ID	EMAPA:29905	Is Group Term	false	
Name	rest of oviduct			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18984[ovidu	ct]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:18984>			
	2. order=6	for EMAPA:18984		

Modified Component 7				
ID	EMAPA:29903	Is Group Term	false	
Name	serosa of infundi	bulum		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29897[infun	dibulum]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), serosa of infundibulum(EMAPA:29903)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), serosa of infundibulum(EMAPA:29903)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29897>			
	2. order=2	for EMAPA:29897		

Modified Component 8				
			<u> </u>	
ID	EMAPA:29122	Is Group Term	false	
Name	coelomic vessel			
Starts At	TS20	Ends At	TS27	
Primary Parents	EMAPA:29114[devel	oping vasculature	of the testis]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), developing vasculature of the testis(EMAPA:29114), coelomic vessel(EMAPA:29122)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of the testis(EMAPA:29114), coelomic vessel(EMAPA:29122)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of the testis(EMAPA:29114), coelomic vessel(EMAPA:29122)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), developing vasculature of the testis(EMAPA:29114), coelomic vessel(EMAPA:29122)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29114>			
	2. order=0	for EMAPA:29114		

Modified Component 9					
ID	EMAPA:30636	Is Group Term	false		
Name	prepuce mesenchym	e of male			
Starts At	TS24	Ends At	TS24		
Primary Parents	EMAPA:30634[prepu	ce of male]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce mesenchyme of male(EMAPA:30636)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce mesenchyme of male(EMAPA:30636)]				
	2. [Abstract anat	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 9					
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce mesenchyme of male(EMAPA:30636)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce mesenchyme of male(EMAPA:30636)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce mesenchyme of male(EMAPA:30636)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce mesenchyme of male(EMAPA:30636)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30634>				
	2. order=2 for EMAPA:30634				

ID	EMAPA:30638	Is Group Term	false		
Name	prepuce surface	epithelium of m	ale		
Starts At	TS24	Ends At	TS24		
Primary Parents	EMAPA:30634[pre	puce of male]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 male(EMAPA:1796	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce surface epithelium of male(EMAPA:30638)]			
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA male(EMAPA:1796	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce surface epithelium of male(EMAPA:30638)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce surface epithelium of male(EMAPA:30638)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),				

Modified Componen	t 10
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce surface epithelium of male(EMAPA:30638)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce surface epithelium of male(EMAPA:30638)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), prepuce surface epithelium of male(EMAPA:30638)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30634>
	2. order=0 for EMAPA:30634

_	ment 11 EMAPA: 30632	Ta Crown Warre	false			
ID		Is Group Term				
Name		epithelium of ma				
Starts At	TS24	Ends At	TS24			
Primary Parents	EMAPA: 29288[g	lans penis]				
Group Parents						
Synonyms	[]					
Primary Path	organ system() organ(EMAPA:1 system(EMAPA: system(EMAPA: male(EMAPA:17	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans surface epithelium of male(EMAPA:30632)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans surface epithelium of male(EMAPA:30632)]					
	organ system() organ(EMAPA:1 system(EMAPA: system(EMAPA: genitalia(EMA male(EMAPA:17	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans surface epithelium of male(EMAPA:30632)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glar surface epithelium of male(EMAPA:30632)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive					

Modified Component 11					
	system(EMAPA:1796 male(EMAPA:17969)	1), male reproduc 8), genital tuber , glans penis(EMA m of male(EMAPA:3	cle of PA:29288), glans		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans surface epithelium of male(EMAPA:30632)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29288>				
	2. order=0	for EMAPA:29288			

Modified Compon	ent 12					
ID	EMAPA:30634	Is Group Term	false			
Name	prepuce of male	prepuce of male				
Starts At	TS24	Ends At	TS24			
Primary Parents	EMAPA:17969[geni	tal tubercle of ma	le]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179	y(EMAPA:0), mouse(PA:16103), viscera 5), reproductive 81), male reproduc 68), genital tuber ), prepuce of male	l tive cle of			
Alternate Paths	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 structure(EMAPA:	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634)]				
	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA:	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634)]					
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634)]					
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Differe	nt Order - Referen	ced Component has			

Modified Component 12								
		entries; A:17969>	Thi	s Component	has	order	entry	<8
	2.	order=8	for	EMAPA:17969				

Modified Compone	nt 13				
ID	EMAPA:30630	Is Group Term	false		
Name	glans mesenchyme of male				
Starts At	TS24	Ends At	TS24		
Primary Parents	EMAPA:29288[glans	s penis]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	31), male reproduc 58), genital tuber ,, glans penis(EMA	l ctive cle of		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans mesenchyme of male(EMAPA:30630)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans mesenchyme of male(EMAPA:30630)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans mesenchyme of male(EMAPA:30630)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans mesenchyme of male(EMAPA:30630)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288), glans mesenchyme of male(EMAPA:30630)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29288>				
	2. order=1	for EMAPA:29288			

Modified Component 14				
ID	EMAPA:29138	Is Group Term	false	

Modified Component 14					
Name	mesonephros of	male			
Starts At	TS20	Ends At	TS23		
Primary Parents	EMAPA:17968[mal	e reproductive sys	stem]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17968>				
	2. order=	0 for EMAPA:17968			

Modified Compone	Modified Component 15					
ID	EMAPA:28003	Is Group Term	false			
Name	early proximal to	ubule				
Starts At	TS22	Ends At	TS24			
Primary Parents	EMAPA:18976[cort:	ical renal tubule]				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAI organ(EMAPA:1624 metanephros(EMAPA cortex(EMAPA:179	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early proximal				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]					
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early proxim					

```
Modified Component 15
                         tubule(EMAPA: 28003)]
                         5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         organ system(EMAPA:16103), visceral
                         organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
                         cortex(EMAPA:17952), maturing nephron(EMAPA:28485),
                         cortical renal tubule (EMAPA: 18976), early proximal
                         tubule(EMAPA:28003)1
                         6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         organ system(EMAPA:16103), visceral
                         organ(EMAPA:16245), urinary system(EMAPA:17366),
                         metanephros(EMAPA:17373), early nephron
                         GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]
                         7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
                         system(EMAPA:17366), metanephros(EMAPA:17373),
                         mature nephron(EMAPA:28491), cortical renal
                         tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]
                         8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                         system(EMAPA:17366), metanephros(EMAPA:17373)
                         stage IV immature nephron(EMAPA: 28445), cortical
                         renal tubule(EMAPA: 18976), early proximal
                         tubule(EMAPA:28003)]
                         9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical
                         renal tubule(EMAPA:18976), early proximal
                         tubule(EMAPA: 28003)]
                         10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                         system(EMAPA:17366), metanephros(EMAPA:17373),
                         renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal
                         tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]
                         11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                         system(EMAPA:17366), metanephros(EMAPA:17373),
                         renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal
                         tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]
                         12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),
                         renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003)]
                         13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                         embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                         system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal
                         tubule(EMAPA:18976), early proximal
tubule(EMAPA:28003)]
Rule Status
                                                  Edit Status
                                                                            CHANGED
```

 Different Order - Referenced Component has no order entries; This Component has order entry <0</li> Comments for EMAPA:18976> order=0 for EMAPA:18976

Modified Component 16			
ID	EMAPA:29130	Is Group Term	false
Name	interstitial vessel		
Starts At	TS20	Ends At	TS27
Primary Parents	EMAPA:29114[devel	oping vasculature	of the testis]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	1), male reproduc 8), testis(EMAPA: ature of the test	l tive 17972),
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of the testis(EMAPA:29114), interstitial vessel(EMAPA:29130)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of the testis(EMAPA:29114), interstitial vessel(EMAPA:29130)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), developing vasculature of the testis(EMAPA:29114), interstitial vessel(EMAPA:29130)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29114>		
	2. order=1	for EMAPA:29114	

Modified Component 17			
ID	EMAPA:27678	Is Group Term	false
Name	renal vesicle		
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:17954[early EMAPA:17373[metan		
Group Parents			
Synonyms	[epithelial vesic	le, stage I nephr	on]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal vesicle(EMAPA:27678)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678)]		
	embryo(EMAPA:1603 visceral organ(EM	omy(EMAPA:0), mou 9), organ system( APA:16245), urina 6), metanephros(E PA:27678)]	EMAPA:16103), ry

Modified Component 17				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17954>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17373>			
	3. order=7 for EMAPA:17373 order=2 for EMAPA:17954			

Modified Component 18			
ID	EMAPA:29929	Is Group Term	false
Name	epithelial layer of cervix uteri		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29927[cervi	x uteri]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927), epithelial layer of cervix uteri(EMAPA:29929)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927), epithelial layer of cervix uteri(EMAPA:29929)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29927>		
	2. order=0	for EMAPA:29927	

Modified Component 19			
ID	EMAPA:29927	Is Group Term	false
Name	cervix uteri		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29915[uteru	s]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927)]		
Alternate Paths	visceral organ(EM	omy(EMAPA:0), mou 9), organ system( APA:16245), reprod 1), female reprod	EMAPA:16103), ductive

Modified Component 19			
	system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:29915>		
	2. order=3	for EMAPA:29915	

Modified Component 20			
ID	EMAPA:29925	Is Group Term	false
Name	adventitia		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29915[uteru	s]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), adventitia(EMAPA:29925)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), adventitia(EMAPA:29925)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29915>		
	2. order=2	for EMAPA:29915	-

ID	EMAPA:29923	Is Group Term	false	
Name	myometrium			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA: 29915[ut	erus]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(Forgan(EMAPA:16 system(EMAPA:1 system(EMAPA:1	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), myometrium(EMAPA:29923)]		
Alternate Paths	embryo(EMAPA:1 visceral orgar system(EMAPA:1 system(EMAPA:1	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), myometrium(EMAPA:29923)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entri	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29915>		
	2. order	r=1 for EMAPA:2991	15	

Modified Component 22				
ID	EMAPA:31296	Is Group Term	false	
Name	resident macropha	resident macrophages of the cortex		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:28136[renal	. cortical interst	itium]	
Group Parents				
Synonyms	[renal monocytes	of the cortex]		
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795	2), renal cortica A:28136), residen	l (EMAPA:17366), l	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), resident macrophages of the cortex(EMAPA:31296)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), resident macrophages of the cortex(EMAPA:31296)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), resident macrophages of the cortex(EMAPA:31296)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28136>			
	2. order=1	for EMAPA:28136		

Modified Component 23			
ID	EMAPA:29921	Is Group Term	false
Name	rest of endometri	um	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29917[endom	etrium]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), endometrium(EMAPA:29917), rest of endometrium(EMAPA:29921)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), endometrium(EMAPA:29917), rest of endometrium(EMAPA:29921)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differen	t Order - Referen	ced Component has

Modified Component 23					
	no order entries; This Component has order entry <	<1			
	2. order=1 for EMAPA:29917				

Modified Component 24			
ID	EMAPA: 27684	Is Group Term	false
Name	upper limb of comma-shaped body		
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:27681[comma	-shaped body]	
Group Parents			
Synonyms	[distal limb of c	omma-shaped body]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), comma-shaped body(EMAPA:27681), upper limb of comma-shaped body(EMAPA:27684)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681), upper limb of comma-shaped body(EMAPA:27684)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), comma-shaped body(EMAPA:27681), upper limb of comma-shaped body(EMAPA:27684)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681), upper limb of comma-shaped body(EMAPA:27684)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA: 27681>		
	2. order=0	for EMAPA:27681	

Modified Component 25			
ID	EMAPA:27681	Is Group Term	false
Name	comma-shaped body		
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:17373[metan GROUP]	ephros] EMAPA:179	54[early nephron
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), comma-shaped body(EMAPA:27681)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681)]		
	2. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 25				
	<pre>embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), comma-shaped body(EMAPA:27681)]</pre>			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17954>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17373>			
	3. order=8 order=3 for EMAPA	for EMAPA:17373 :17954		

Modified Component 26			
ID	EMAPA:29917	Is Group Term	false
Name	endometrium		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29915[uteru	s]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), endometrium(EMAPA:29917)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), endometrium(EMAPA:29917)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29915>		
	2. order=0	for EMAPA:29915	

Modified Component 27				
ID	EMAPA:29919	Is Group Term	false	
Name	uterine gland			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29917[endom	etrium]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), endometrium(EMAPA:29917), uterine gland(EMAPA:29919)]			
Alternate Paths	1. [Abstract anat	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		

ſ

Modified Component 27				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), endometrium(EMAPA:29917), uterine gland(EMAPA:29919)]			
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29917>			
	2.	order=0	for EMAPA:29917	

Modified Component 28			
ID	EMAPA:27687	Is Group Term	false
Name	lower limb of com	ma-shaped body	
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:27681[comma	-shaped body]	
Group Parents			
Synonyms	[proximal limb of	comma-shaped bod	y]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), comma-shaped body(EMAPA:27681), lower limb of comma-shaped body(EMAPA:27687)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681), lower limb of comma-shaped body(EMAPA:27687)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), comma-shaped body(EMAPA:27681), lower limb of comma-shaped body(EMAPA:27687)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681), lower limb of comma-shaped body(EMAPA:27687)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27681>		
	2. order=1 for EMAPA:27681		

Modified Component 29			
ID	EMAPA:29913	Is Group Term	false
Name	serosa of rest of	oviduct	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29905[rest of oviduct]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive		

Modified Component 29				
		59), oviduct(EMAPA 805), serosa of re 813)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), serosa of rest of oviduct(EMAPA:29913)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29905>			
	2. order=2	for EMAPA:29905		

Modified Component 30			
ID	EMAPA:29915	Is Group Term	false
Name	uterus		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17959>		
	2. order=10	for EMAPA:17959	

Modified Component 31			
ID	EMAPA:29106	Is Group Term	false
Name	Sertoli cell		
Starts At	TS20	Ends At	TS22
Primary Parents	EMAPA:29098[prima	ry sex cord]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), primary sex cord(EMAPA:29098), Sertoli cell(EMAPA:29106)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), primary sex cord(EMAPA:29098), Sertoli cell(EMAPA:29106)]		
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 31				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29098>			
	2. order=0 for EMAPA:29098			

Modified Component 32			
ID	EMAPA:29114	Is Group Term	false
Name	developing vascul	ature of the test	is
Starts At	TS20	Ends At	TS27
Primary Parents	EMAPA:17972[testivasculature of re	s] EMAPA:31564[de	veloping GROUP]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), developing vasculature of the testis(EMAPA:29114)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of the testis(EMAPA:29114)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of the testis(EMAPA:29114)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), developing vasculature of the testis(EMAPA:29114)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17972>		
	2. order=7 for EMAPA:17972		

Modified Component 33			
ID	EMAPA:16367	Is Group Term	false
Name	genitourinary sys	tem	
Starts At	TS13	Ends At	TS18
Primary Parents	EMAPA:16245[visce	ral organ]	
Group Parents			
Synonyms	[urogenital system]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has		

Modified Component 33				
	no order entries; This Component has order e	entry <0		
	2. order=0 for EMAPA:16245			

Modified Component 34			
ID	EMAPA:29110	Is Group Term	false
Name	peritubular myoid cell		
Starts At	TS20	Ends At	TS22
Primary Parents	EMAPA:29098[prima	ry sex cord]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), primary sex cord(EMAPA:29098), peritubular myoid cell(EMAPA:29110)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), primary sex cord(EMAPA:29098), peritubular myoid cell(EMAPA:29110)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29098>		
	2. order=2	for EMAPA:29098	

Modified Component 35			
ID	EMAPA:27697	Is Group Term	false
Name	ureteric trunk		
Starts At	TS20	Ends At	TS20
Primary Parents	EMAPA:17646[primi	tive collecting d	uct]
Group Parents			
Synonyms	[ureteric stalk]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct(EMAPA:17646), ureteric trunk(EMAPA:27697)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct(EMAPA:17646), ureteric trunk(EMAPA:27697)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17646>		
	2. order=1	for EMAPA:17646	

Modified Component 36			
ID	EMAPA:27694	Is Group Term	false

Modified Component 36			
Name	ureteric tip		
Starts At	TS20	Ends At	TS20
Primary Parents	EMAPA:31562[nephrogenic zone GROUP] EMAPA:17646[primitive collecting duct]		
Group Parents			
Synonyms	[ampulla]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct(EMAPA:17646), ureteric tip(EMAPA:27694)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), ureteric tip(EMAPA:27694)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct(EMAPA:17646), ureteric tip(EMAPA:27694)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), ureteric tip(EMAPA:27694)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		es; This Componer	erenced Component has nt has order entry <0
	2. order=	0 for EMAPA:1764	16

Modified Compon	ent 37			
ID	EMAPA: 27690	Is Group Term	false	
Name	renal interstiti	um		
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:17373[meta interstitium gro	nephros] EMAPA:28 up]	518[renal	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690)]		
Alternate Paths	organ system(EMA organ(EMAPA:1624 metanephros(EMAP group(EMAPA:2851	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690)]		
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690)]		
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173	39), organ system MAPA:16245), urin 66), metanephros( um group(EMAPA:28	ary EMAPA:17373),	

Modified Component 37				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:17373>			
	2. order=12	for EMAPA:17373		

Modified Component 38				
ID	EMAPA:30664	Is Group Term	false	
Name	mesenchyme of ca	rus penis		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:19294[crus	s penis]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAPA:1624 system(EMAPA:173 system(EMAPA:173	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), mesenchyme of crus penis(EMAPA:30664)]		
Alternate Paths	organ system(EMAPA:1624 system(EMAPA:173 system(EMAPA:173 genitalia(EMAPA: penis(EMAPA:1923 penis(EMAPA:3066) 2. [Abstract and embryo(EMAPA:160 visceral organ(EMAPA:173	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17988), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), mesenchyme of crus penis(EMAPA:30664)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive		
	system(EMAPA:179 penis(EMAPA:1929 penis(EMAPA:3066	968), penis(EMAPA: 94), mesenchyme of 54)]	18682), crus crus	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), mesenchyme of crus penis(EMAPA:30664)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:19294>		
	2. order=5	for EMAPA:19294		

Modified Component 39				
ID	EMAPA:29945	Is Group Term	false	
Name	adventitia of upp	er part of vagina		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18987[upper part of vagina] EMAPA:31003[adventita of vagina]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive			

Modified Component 39				
	system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), adventitia of upper part of vagina(EMAPA:29945)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), adventita of vagina(EMAPA:31003), adventitia of upper part of vagina(EMAPA:29945)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), adventita of vagina(EMAPA:31003), adventitia of upper part of vagina(EMAPA:29945)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), adventitia of upper part of vagina(EMAPA:29945)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31003>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18987>			
	3. order=2 for EMAPA:18987 order=1 for EMAPA:31003			

Modified Component 40			
ID	EMAPA:31276	Is Group Term	false
Name	rest of renal int	erstitium	
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:27690[renal	interstitium]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690), rest of renal interstitium(EMAPA:31276)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), rest of renal interstitium(EMAPA:31276)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690), rest of renal interstitium(EMAPA:31276)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), rest of renal interstitium(EMAPA:31276)]		

Modified Component 40				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27690>			
	2. order=3	for EMAPA:27690		

Modified Component 41				
ID	EMAPA:31273	Is Group Term	false	
Name	resident macroph	ages		
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:27690[rena	l interstitium]		
Group Parents				
Synonyms	[renal monocytes	]		
Primary Path	organ system(EMA: organ(EMAPA:1624 metanephros(EMAPA: interstitium(EMA:	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690), resident macrophages(EMAPA:31273)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), resident macrophages(EMAPA:31273)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690), resident macrophages(EMAPA:31273)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), resident macrophages(EMAPA:31273)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Difference no order entries for EMAPA:27690>	no order entries; This Component has order entry <1		
	2. order=1	2. order=1 for EMAPA:27690		

Modified Component 42				
ID	EMAPA:29943	Is Group Term	false	
Name	rest of epithelia	l layer of upper	vagina	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29052[epithelial layer of upper part of vagina]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), epithelial layer of upper part of vagina(EMAPA:29052), rest of epithelial layer of upper vagina(EMAPA:29943)]			

Modified Component 42				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of upper part of vagina(EMAPA:29052), rest of epithelial layer of upper vagina(EMAPA:29943)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), epithelial layer of upper part of vagina(EMAPA:29052), rest of epithelial layer of upper vagina(EMAPA:29943)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of upper part of vagina(EMAPA:29052), rest of epithelial layer of upper vagina(EMAPA:29943)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29052>			
	2. order=1	for EMAPA:29052		

Modified Component 43				
EMAPA:31279	Is Group Term	false		
renal fibroblasts		1		
TS21	Ends At	TS21		
EMAPA:27690[renal	interstitium]			
[]				
organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA interstitium(EMAP	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690), renal fibroblasts(EMAPA:31279)]			
1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), renal fibroblasts(EMAPA:31279)]				
2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690), renal fibroblasts(EMAPA:31279)]				
3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), renal fibroblasts(EMAPA:31279)]				
PASSED	Edit Status	CHANGED		
1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27690>				
	renal fibroblasts  TS21  EMAPA:27690[renal  []  [Abstract anatomy organ system(EMAPA organ(EMAPA:16245 metanephros(EMAPA interstitium(EMAP fibroblasts(EMAPA organ (EMAPA:16245 metanephros(EMAPA organ (EMAPA:16245 metanephros(EMAPA group(EMAPA:16245 metanephros(EMAPA group(EMAPA:16245 metanephros(EMAPA group(EMAPA:16245 metanephros(EMAPA group(EMAPA:1630 visceral organ(EMAPA:1736 renal interstitiu fibroblasts(EMAPA  3. [Abstract anatembryo(EMAPA:1736 renal interstitiu fibroblasts(EMAPA:1736 renal interstitiu fibroblasts(EMAPA:1736 renal interstitium(EMAPA:1736 renal inte	renal fibroblasts    TS21		

Modified Componen	t 43	
	2.	order=0 for EMAPA:27690

Modified Component 44				
ID	EMAPA:30668	Is Group Term	false	
Name	surface epitheliu	m of crus penis		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:19294[crus	penis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), surface epithelium of crus penis(EMAPA:30668)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), surface epithelium of crus penis(EMAPA:30668)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), surface epithelium of crus penis(EMAPA:30668)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), surface epithelium of crus penis(EMAPA:30668)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19294>			
	2. order=3 for EMAPA:19294			

Modified Component 45				
ID	EMAPA:29161	Is Group Term	false	
Name	degenerating meso paramesonephric d	nephric portion o	f male	
Starts At	TS22	Ends At	TS23	
Primary Parents	EMAPA:29138[mesonephros of male]			
Group Parents				
Synonyms	[Mllerian duct]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), degenerating mesonephric portion of male paramesonephric duct(EMAPA:29161)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),			

Modified Component 45				
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), degenerating mesonephric portion of male paramesonephric duct(EMAPA:29161)]			
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:29138>			
	2.	order=5	for EMAPA:291	38

Modified Compor	EMAPA: 29167	Is Group Term	false	
			<u> </u>	
Name		mesenchyme of mal	1	
Starts At	TS20	Ends At	TS20	
Primary Parents	EMAPA:17969[geni	tal tubercle of ma	Te]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA) organ(EMAPA:1624 system(EMAPA:1738 system(EMAPA:17969 male(EMAPA:17969	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), genital tubercle mesenchyme of male(EMAPA:29167)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), genital tubercle mesenchyme ormale(EMAPA:29167)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), genital tubercle mesenchyme ormale(EMAPA:17969), genital tubercle mesenchyme ormale(EMAPA:29167)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), genital tubercle mesenchyme of male(EMAPA:29167)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), genital tubercle mesenchyme cmale(EMAPA:29167)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), genital tubercle mesenchyme of male(EMAPA:29167)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17969>		

2. order=1 for EMAPA:17969

Modified Component 47					
ID	EMAPA:31281	Is Group Term	false		
Name	anlage of loop of				
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA:31571[cortinephron GROUP] EM	EMAPA:31571[cortical renal tubule of capillary loop nephron GROUP] EMAPA:18976[cortical renal tubule]			
Group Parents					
Synonyms	[primitive loop o	of Henle]			
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795 tubule(EMAPA:31281	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]			
Alternate Paths	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA nephron(EMAPA:284	191), cortical ren 76), anlage of loo	l (EMAPA:17366), al		
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA nephron(EMAPA:284 tubule(EMAPA:1897	91), cortical ren 6), cortical rena phron GROUP(EMAPA	l (EMAPA:17366), al l tubule of		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25] organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), and of loop of Henle(EMAPA:31281)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25] organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]				
6. [Abstract anatomy(EMAPA:0), mouse(EMAPA organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary stage nephron GROUP(EMAPA:28506), cortical tubule(EMAPA:18976), cortical renal tubule capillary loop nephron GROUP(EMAPA:31571), of loop of Henle(EMAPA:31281)]			l (EMAPA:17366), pillary loop cortical renal l tubule of		
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1736 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527)				

```
cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
```

- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary

```
system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
```

- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]
- 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]
- 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal

Modified Component 47				
	tubule(EMAPA:18976), anlage of loop of Henle(EMAPA:31281)]			
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), anlage of loop of Henle(EMAPA:31281)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18976>			
	2. order=2	for EMAPA:18976		

Modified Component 48				
ID	EMAPA:29931	Is Group Term	false	
Name	muscle layer of c	ervix uteri		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29927[cervi	x uteri]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927), muscle layer of cervix uteri(EMAPA:29931)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927), muscle layer of cervix uteri(EMAPA:29931)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29927>			
	2. order=1	for EMAPA:29927		

Modified Component 49				
ID	EMAPA:30675	Is Group Term	false	
Name	outer layer of ut	erine horn		
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:18985[uteri	ne horn]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985), outer layer of uterine horn(EMAPA:30675)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985),			

Modified Component 49				
	outer layer of ut	erine horn(EMAPA:	30675)]	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18985>			
	2. order=3	for EMAPA:18985		

Modified Component 50				
ID	EMAPA:29933	Is Group Term	false	
Name	adventitia of cer	vix uteri		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29927[cervi	x uteri]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927), adventitia of cervix uteri(EMAPA:29933)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), cervix uteri(EMAPA:29927), adventitia of cervix uteri(EMAPA:29933)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29927>			
	2. order=2	for EMAPA:29927		

Modified Component 51			
ID	EMAPA:31288	Is Group Term	false
Name	renal cortical fi	broblasts	
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:28136[renal	cortical interst	itium]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), renal cortical		

Modified Component 51				
	fibroblasts(EMAP)	A:31288)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28136>			
	2. order=0	for EMAPA:28136		

Modified Component 52				
ID	EMAPA:29935	Is Group Term	false	
Name	gland of lower va	ginal epithelium		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29058[epith vagina]	elial layer of lo	wer part of	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), epithelial layer of lower part of vagina(EMAPA:29058), gland of lower vaginal epithelium(EMAPA:29935)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of lower part of vagina(EMAPA:29058), gland of lower vaginal epithelium(EMAPA:29935)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), epithelial layer of lower part of vagina(EMAPA:29058), gland of lower vaginal epithelium(EMAPA:29935)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of lower part of vagina(EMAPA:29058), gland of lower vaginal epithelium(EMAPA:29935)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29058>			
	2. order=0	for EMAPA:29058		

Modified Component 53				
ID	EMAPA:29937	Is Group Term	false	
Name	rest of epithelial layer of lower vagina			

Modified Component 53				
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29058[epith vagina]	elial layer of lo	wer part of	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), epithelial layer of lower part of vagina(EMAPA:29058), rest of epithelial layer of lower vagina(EMAPA:29937)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of lower part of vagina(EMAPA:29058), rest of epithelial layer of lower vagina(EMAPA:29937)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), epithelial layer of lower part of vagina(EMAPA:29058), rest of epithelial layer of lower vagina(EMAPA:29937)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 epithelium of vag of lower part of	omy(EMAPA:0), mou 9), organ system( 1APA:16245), repro 1), female reprod 9), vagina(EMAPA: ina(EMAPA:30991), vagina(EMAPA:2905 of lower vagina(E	EMAPA:16103), ductive uctive 18986), epithelial layer 8), rest of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29058>			
	2. order=1	for EMAPA:29058		

Modified Component 54			
ID	EMAPA:29939	Is Group Term	false
Name	adventitia of low	er part of vagina	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:18999[lower EMAPA:31003[adven	part of vagina] tita of vagina]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), adventitia of lower part of vagina(EMAPA:29939)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), adventita of vagina(EMAPA:31003), adventitia of lower part of vagina(EMAPA:29939)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		

Modified Component 54				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), adventita of vagina(EMAPA:31003), adventitia of lower part of vagina(EMAPA:29939)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795	comy(EMAPA:0), mou 39), organ system( MAPA:16245), repro 31), female reprod 59), vagina(EMAPA: MAPA:18999), adven MAPA:29939)]	EMAPA:16103), ductive uctive 18986), lower	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31003>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18999>			
	3. order=2 order=0 for EMAPA	for EMAPA:18999 A:31003		

Modified Component 55				
ID	EMAPA: 29170	Is Group Term	false	
Name	genital tubercle	surface epitheliu	um of male	
Starts At	TS20	Ends At	TS20	
Primary Parents	EMAPA:17969[genit	al tubercle of ma	ile]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:17969) male(EMAPA:17969)	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), genital tubercle surface epithelium of male(EMAPA:29170)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), genital tubercle surface epithelium of male(EMAPA:29170)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), genital tubercle surface epithelium of male(EMAPA:29170)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2 male(EMAPA:17969)	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), mbryo(EMAPA:16039), organ system(EMAPA:16103), isceral organ(EMAPA:16245), reproductive ystem(EMAPA:17381), male reproductive ystem(EMAPA:17968), male associated reproductive tructure(EMAPA:28533), genital tubercle of ale(EMAPA:17969), genital tubercle surface pithelium of male(EMAPA:29170)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), genital tubercle surface epithelium of male(EMAPA:29170)]		EMAPA:16103), oductive tive ccle of	

Modified Component 55						
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), genital tubercle surface epithelium of male(EMAPA:29170)]					
Rule Status	PASSED		Edit Status		CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17969>					
	2.	order=0	for EMAPA:1	7969		

Modified Compone	EMAPA: 29173   Is Group Term   false				
Name	nephric duct of m		Larse		
Name	nepiirie duct or ii	laie, lest of			
Starts At	TS20	Ends At	TS23		
Primary Parents	EMAPA:17968[male	reproductive syst	em]		
Group Parents					
Synonyms	[mesonephric duct	, rest of]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), nephric duct of male, rest of(EMAPA:29173)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), nephric duct of male, rest of(EMAPA:29173)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17968>				
	2. order=3 for EMAPA:17968				

Modified Component 57					
ID	EMAPA:29177	Is Group Term	false		
Name	mesenchyme of res	t of nephric duct	of male		
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA:29173[nephr	ic duct of male,	rest of]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), nephric duct of male, rest of(EMAPA:29173), mesenchyme of rest of nephric duct of male(EMAPA:29177)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), nephric duct of male, rest of(EMAPA:29173), mesenchyme of rest of nephric duct of male(EMAPA:29177)]				

Modified Component 57					
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29173>				
	2. order=1	for EMAPA:29173			

Modified Component 58					
ID	EMAPA:29941	Is Group Term	false		
Name	gland of upper va	ginal epithelium			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29052[epith vagina]	elial layer of up	per part of		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), epithelial layer of upper part of vagina(EMAPA:29052), gland of upper vaginal epithelium(EMAPA:29941)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of upper part of vagina(EMAPA:29052), gland of upper vaginal epithelium(EMAPA:29941)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), epithelial layer of upper part of vagina(EMAPA:29052), gland of upper vaginal epithelium(EMAPA:29941)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of upper part of vagina(EMAPA:29052), gland of upper vaginal epithelium(EMAPA:29941)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29052>				
	2. order=0 for EMAPA:29052				

Modified Component 59					
ID	EMAPA:30642	Is Group Term	false		
Name	mesenchyme of gla	ns penis			
Starts At	TS25	Ends At	TS27		
Primary Parents	EMAPA:18988[glans penis]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral				

Г

Modified Component 59					
	organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), mesenchyme of glans penis(EMAPA:30642)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), mesenchyme of glans penis(EMAPA:30642)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), mesenchyme of glans penis(EMAPA:30642)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), mesenchyme of glans penis(EMAPA:30642)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18988>				
	2. order=3 for EMAPA:18988				

Modified Component 60					
ID	EMAPA:30640	Is Group Term	false		
Name	preputial gland				
Starts At	TS24	Ends At	TS24		
Primary Parents	EMAPA:30634[prepu	ice of male]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), preputial gland(EMAPA:30640)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), preputial gland(EMAPA:30640)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), preputial gland(EMAPA:30640)]				
	embryo(EMAPA:1603 visceral organ(EM	comy(EMAPA:0), mou 19), organ system( MAPA:16245), repro 11), male reproduc	EMAPA:16103), ductive		

Modified Componen	t 60					
	system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), preputial gland(EMAPA:30640)]					
	embryo(EN visceral system(EN system(EN male(EMAN	MAPA:1603 organ(EM MAPA:1738 MAPA:1796 PA:17969)	omy(EMAPA:0), mou 9), organ system( APA:16245), repro 1), male reproduc 8), genital tuber , prepuce of male MAPA:30640)]	EMAPA:16103), ductive tive cle of		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), prepuce of male(EMAPA:30634), preputial gland(EMAPA:30640)]					
Rule Status	PASSED		Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30634>					
	2. order=1 for EMAPA:30634					

Modified Component 61					
ID ID	EMAPA: 29964	Is Group Term	false		
Name	endothelial layer	of renal vein			
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:28376[rena]	vein]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAE organ(EMAPA:16245	r(EMAPA:0), mouse( PA:16103), viscera 5), urinary system (28376), endotheli	l (EMAPA:17366),		
Alternate Paths	organ system(EMAF organ(EMAPA:16245 renal venous syst vein(EMAPA:28376)	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:29964)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:29964)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:29964)]			
	organ system(EMAF organ(EMAPA:16245 developing vascul GROUP(EMAPA:31563 renal vein(EMAPA:				
	organ system(EMAF organ(EMAPA:16245 renal vasculature vein(EMAPA:28376)				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576] embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:29964)]				
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 urinary system GF	comy(EMAPA:0), mou 39), organ system( MAPA:16245), urina 56), developing va ROUP(EMAPA:31563), A:28457), renal ve	EMAPA:16103), ry sculature of renal		

Modified Component 61						
	endothelial layer of renal vein(EMAPA:29964)]					
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:29964)]					
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:29964)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28376>					
	2. order=	0 for EMAPA:28376				

Modified Component 62						
ID	EMAPA:30646 Is Group Term false					
Name	surface epithe	lium of glans pen	is			
Starts At	TS25	Ends At	TS27			
Primary Parents	EMAPA:18988[gl	ans penis]	·			
Group Parents						
Synonyms	[]					
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 penis(EMAPA:18	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), surface epithelium of glans penis(EMAPA:30646)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), surface epithelium of glans penis(EMAPA:30646)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),					
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), surface epithelium of glans penis(EMAPA:30646)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), surface epithelium of glans penis(EMAPA:30646)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18988>					
	2. order	=1 for EMAPA:1898	8			

Modified Component 63				
ID EMAPA: 29148 Is Group Term false				

Modified Component 63				
Name	mesonephric tubul	le of male		
Starts At	TS20	Ends At	TS22	
Primary Parents	EMAPA: 29138[mesor	nephros of male]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29138>			
	2. order=2 for EMAPA:29138			

Modified Component 64				
ID	EMAPA:31260	Is Group Term	false	
Name	theca of atretic	follicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29874[atret	ic follicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874), theca of atretic follicle(EMAPA:31260)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874), theca of atretic follicle(EMAPA:31260)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29874>			
	2. order=2	for EMAPA:29874		

Modified Component 65				
ID	EMAPA:29143	Is Group Term	false	
Name	mesonephric mesenchyme of male			
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:29138[mesonephros of male]			
Group Parents	oup Parents			
			-	

Modified Component 65			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric mesenchyme of male(EMAPA:29143)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric mesenchyme of male(EMAPA:29143)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29138>		
	2. order=1 for EMAPA:29138		

Modified Component 66				
ID	EMAPA:31266	Is Group Term	false	
Name	longitudinal muscle layer of infundibulum			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:31264[muscl	e layer of infund	ibulum]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), muscle layer of infundibulum(EMAPA:31264), longitudinal muscle layer of infundibulum(EMAPA:31266)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), muscle layer of infundibulum(EMAPA:31264), longitudinal muscle layer of infundibulum(EMAPA:31266)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h		
	2. order=1	for EMAPA:31264		

Modified Component 67				
ID	EMAPA:31268	Is Group Term	false	
Name	circular muscle l	ayer of infundibu	lum	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:31264[muscl	e layer of infund:	ibulum]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 67				
	system(EMAPA:1795 infundibulum(EMAP	81), female reprod 99), oviduct(EMAPA PA:29897), muscle PA:31264), circula PA:31268)]	:18984), layer of	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), muscle layer of infundibulum(EMAPA:31264), circular muscle layer of infundibulum(EMAPA:31268)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31264>			
	2. order=0	for EMAPA:31264		

Modified Component 68				
ID	EMAPA:31262	Is Group Term	false	
Name	granulosa of rupt	ured follicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29880[ruptu	red follicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880), granulosa of ruptured follicle(EMAPA:31262)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880), granulosa of ruptured follicle(EMAPA:31262)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29880>			
	2. order=1	for EMAPA:29880	_	

Modified Component 69			
ID	EMAPA:30650	Is Group Term	false
Name	prepuce mesenchym	e of male	
Starts At	TS25	Ends At	TS27
Primary Parents	EMAPA:18989[prepu	ce of male]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce mesenchyme of male(EMAPA:30650)]		
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 69				
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce mesenchyme of male(EMAPA:30650)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce mesenchyme of male(EMAPA:30650)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce mesenchyme of male(EMAPA:30650)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18989>			
	2. order=2 for EMAPA:18989			

Modified Component 70				
ID	EMAPA:31264	Is Group Term	false	
Name	muscle layer of i	nfundibulum		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29897[infun	dibulum]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), muscle layer of infundibulum(EMAPA:31264)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), muscle layer of infundibulum(EMAPA:31264)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29897>			
	2. order=1 for EMAPA:29897			

Modified Component 71				
ID	EMAPA:30655	Is Group Term	false	
Name	prepuce surface epithelium of male			
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:18989[prepuce of male]			
Group Parents	p Parents			

Modified Component 71				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce surface epithelium of male(EMAPA:30655)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce surface epithelium of male(EMAPA:30655)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce surface epithelium of male(EMAPA:30655)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce surface epithelium of male(EMAPA:30655)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18989>			
	2. order=0 for EMAPA:18989			

Modified Component 72				
ID	EMAPA:30659	Is Group Term	false	
Name	preputial gland o	of male		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:18989[prepu	ce of male]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of male(EMAPA:18989), preputial gland of male(EMAPA:30659)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989), preputial gland of male(EMAPA:30659)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of male(EMAPA:18989), preputial gland of male(EMAPA:30659)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 72				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989), preputial gland of male(EMAPA:30659)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18989>			
	2. order=1	for EMAPA:18989		

Modified Component 73				
ID	EMAPA:31270	Is Group Term	false	
Name	nephrogenic in	nephrogenic interstitium		
Starts At	TS20	Ends At	TS21	
Primary Parents		phrogenic zone GF nal interstitium]		
Group Parents				
Synonyms	[peripheral bl	astema]		
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM	IAPA:17373), renal IMAPA:27690), neph	ceral stem(EMAPA:17366),	
Alternate Paths	organ system(E organ(EMAPA:16 metanephros(EM GROUP(EMAPA:31	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), nephrogenic interstitium(EMAPA:31270)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), nephrogenic interstitium(EMAPA:31270)]			
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal intersti	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium(EMAPA:27690), nephrogenic interstitium(EMAPA:31270)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), nephrogenic interstitium(EMAPA:31270)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 nephrogenic zo			
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal intersti interstitium(E	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal interstitium(EMAPA:27690), nephrogenic interstitium(EMAPA:31270)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entri	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27690>		
	2. order=2 for EMAPA:27690			

Modified Componen	t 74		
	1		
ID	EMAPA:29158	Is Group Term	false
Name	paramesonephric d	uct of male, meson	nephric portion
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:29138[meson	ephros of male]	
Group Parents			
Synonyms	[mesonephric port male]	ion of male, Mlle:	rian duct of
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), paramesonephric duct of male, mesonephric portion(EMAPA:29158)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), paramesonephric duct of male, mesonephric portion(EMAPA:29158)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:29138>		
	2. order=4	for EMAPA:29138	

Modified Component 75				
ID	EMAPA:28077	Is Group Term	false	
Name	pelvic urothelial	lining		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:17948[pelvi	s]		
Group Parents				
Synonyms	[pelvic urotheliu	m]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), pelvic urothelial lining(EMAPA:28077)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), pelvic urothelial lining(EMAPA:28077)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17948>			
	2. order=0	for EMAPA:17948		

Modified Component 76				
ID	EMAPA:28075	Is Group Term	false	
Name	capillary			
Starts At	TS22	Ends At	TS22	
Primary Parents	EMAPA:28069[developing vasculature of medulla]			
Group Parents				

Modified Component 76			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), developing vasculature of medulla(EMAPA:28069), capillary(EMAPA:28075)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), capillary(EMAPA:28075)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), capillary(EMAPA:28075)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), capillary(EMAPA:28075)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), capillary(EMAPA:28075)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), developing vasculature of medulla(EMAPA:28069), capillary(EMAPA:28075)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28069>		
	2. order=2 for EMAPA:28069		

Modified Component 77				
ID	EMAPA:28862	Is Group Term	false	
Name	proximal straight	tubule		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28322[loop	of Henle, outer m	edullary portion]	
Group Parents				
Synonyms	[pars recta, segm	ent 3 of proximal	tubule]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), proximal straight tubule(EMAPA:28862)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), proximal straight			

Modified Component 77				
	tubule(EMAPA:28862)]			
	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 group(EMAPA:19280	779), Loop of Henle, 1), loop of Henle, 222), proximal str	l (EMAPA:17366), e outer medullary	
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 mature nephron(EM group(EMAPA:19280	omy(EMAPA:0), mounds, organ system(19), organ system(14), urina:60, metanephros(EMAPA:28491), Loop of Henle, 122), proximal strate.	EMAPA:16103), ry MAPA:17373), of Henle outer medullary	
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), proximal straight tubule(EMAPA:28862)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), proximal straight tubule(EMAPA:28862)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28322>			
	2. order=2	for EMAPA:28322		

Modified Component 78				
ID	EMAPA:28073	Is Group Term	false	
Name	venous			
Starts At	TS22 Ends At TS22			
Primary Parents	EMAPA:28069[devel	oping vasculature	of medulla]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), developing vasculature of medulla(EMAPA:28069), venous(EMAPA:28073)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), venous(EMAPA:28073)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature of medulla(EMAPA:28069), venous(EMAPA:28073)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary			

Modified Component 78					
	system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), venous(EMAPA:28073)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), venous(EMAPA:28073)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), developing vasculature of medulla(EMAPA:28069), venous(EMAPA:28073)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28069>				
	2. orde	r=1	for EMAPA:28069		

Modified Compon	Modified Component 79					
ID	EMAPA:28071	Is Group Term	false			
Name	arterial					
Starts At	TS22	Ends At	TS22			
Primary Parents	EMAPA: 28069[de	eveloping vasculat	ure of medulla]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM medulla(EMAPA:	comy(EMAPA:0), moust MAPA:16103), visc 5245), urinary sys MAPA:17373), renal 19279), developing 28069), arterial(	eral tem(EMAPA:17366), g vasculature of			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), arterial(EMAPA:28071)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), arterial(EMAPA:28071)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), arterial(EMAPA:28071)]					
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069), arterial(EMAPA:28071)]					
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal medulla(	.6039), organ syst n(EMAPA:16245), ur .7366), metanephro	inary s(EMAPA:17373), eloping vasculature			

Modified Component 79				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28069>			
	2. order=0	for EMAPA:28069		

Modified Component 80				
ID	EMAPA:28856	Is Group Term	false	
Name	mesenchymal layer	of phallic ureth	ra of male	
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:17956[phall	ic urethra of mal	e]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), mesenchymal layer of phallic urethra of male(EMAPA:28856)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), mesenchymal layer of phallic urethra of male(EMAPA:28856)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17956>			
	2. order=1	for EMAPA:17956	_	

Modified Component 81				
ID	EMAPA:28853	Is Group Term	false	
Name	epithelial layer	of phallic urethra	a of male	
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:17956[phall	ic urethra of mal	e]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), epithelial layer of phallic urethra of male(EMAPA:28853)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), epithelial layer of phallic urethra of male(EMAPA:28853)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17956>			
	2. order=0	for EMAPA:17956		

Modified Componen	t 82	

Modified Component 82				
ID	EMAPA:28859	Is Group Term	false	
Name	muscle layer of p	hallic urethra of	male	
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:17956[phall	ic urethra of mal	e]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), muscle layer of phallic urethra of male(EMAPA:28859)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), muscle layer of phallic urethra of male(EMAPA:28859)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17956>			
	2. order=2	for EMAPA:17956		

Modified Component 83					
ID	EMAPA:28089	Is Group Term	false		
Name	urothelium				
Starts At	TS21	Ends At	TS28		
Primary Parents	EMAPA:17950[urete	r]			
Group Parents					
Synonyms	[transitional epi	thelium]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17950>				
	2. order=0	for EMAPA:17950			

Modified Component 84					
ID	EMAPA:28850	Is Group Term	false		
Name	interstitium				
Starts At	TS25	TS25 Ends At TS28			
Primary Parents	EMAPA:28844[ureteral smooth muscle layer]				
Group Parents					
Synonyms	[Cajal cell]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle				

Modified Component 84				
	layer(EMAPA:28844	1), interstitium(E	MAPA:28850)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844), interstitium(EMAPA:28850)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28844>			
	2. order=3	for EMAPA:28844		

Modified Component 85					
ID	EMAPA:28083	Is Group Term	false		
Name	perihilar interst	itium			
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:17948[pelvi group]	s] EMAPA:28518[re:	nal interstitium		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA	r(EMAPA:0), mouse( PA:16103), viscera b), urinary system A:17373), pelvis(E Litium(EMAPA:28083	l (EMAPA:17366), MAPA:17948),		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), perihilar interstitium(EMAPA:28083)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:28518>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17948>				
	3. order=10 for EMAPA:28518 order=2 for EMAPA:17948				

Modified Component 86					
ID	EMAPA:28844	Is Group Term	false		
Name	ureteral smooth muscle layer				
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:17950[ureter]				
Group Parents					

Modified Component 86			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17950>		
	2. order=3	for EMAPA:17950	

Modified Component 87				
ID	EMAPA:28847	Is Group Term	false	
Name	smooth muscle com	ponent		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:28844[urete	ral smooth muscle	layer]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844), smooth muscle component(EMAPA:28847)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844), smooth muscle component(EMAPA:28847)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28844>			
	2. order=2 for EMAPA:28844			

Modified Component 88				
ID	EMAPA:28880	Is Group Term	false	
Name	mesenchymal strom	a of ovary		
Starts At	TS20	Ends At	TS28	
Primary Parents	EMAPA:17962[ovary	]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962),			

Modified Component 88				
	mesenchymal stroma of ovary(EMAPA:28880)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17962>			
	2. order=2	for EMAPA:17962		

Modified Compon		1	1	
ID	EMAPA: 28069	Is Group Term	false	
Name	developing v	rasculature of medu	ılla	
Starts At	TS22	Ends At	TS22	
Primary Parents	EMAPA:28457[medulla]	renal vasculature	EMAPA:19279[renal	
Group Parents				
Synonyms	[]			
Primary Path	organ system organ(EMAPA: metanephros(	EMAPA:17373), rena PA:19279), developi	sceral /stem(EMAPA:17366), al	
Alternate Paths	organ system organ(EMAPA: developing v GROUP(EMAPA:	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069)]			
	embryo(EMAPA visceral org system(EMAPA urinary syst vasculature(	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of medulla(EMAPA:28069)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), developing vasculature of medulla(EMAPA:28069)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order ent for EMAPA:19	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19279>		
	2. Different Order - Referenced Component no order entries; This Component has order entry for EMAPA:28457>			
	3. ord order=3 for	der=8 for EMAPA:284 EMAPA:19279	157	

Modified Component 90			
ID	EMAPA:28061	Is Group Term	false

Modified Component 90				
Name	medullary collecting duct			
Starts At	TS22 Ends At TS24			
Primary Parents	EMAPA:19279[renal medulla] EMAPA:28494[ureteric trunk]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), medullary collecting duct(EMAPA:28061)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494), medullary collecting duct(EMAPA:28061)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494), medullary collecting duct(EMAPA:28061)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494), medullary collecting duct(EMAPA:28061)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494), medullary collecting duct(EMAPA:28061)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), medullary collecting duct(EMAPA:28061)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19279>  2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28494>			
	3. order=1 for EMAPA:28494 order=1 for EMAPA:19279			

Modified Component 91				
ID	EMAPA:30699	Is Group Term	false	
Name	prepuce of female			
Starts At	TS25 Ends At TS27			
Primary Parents	EMAPA:18680[genital tubercle of female]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive			

Modified Componer	it 91			
	system(EMAPA:17959), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:18680>			
	2. order=8 for EMAPA:18680			

Modified Component 92			
ID	EMAPA:28037	Is Group Term	false
Name	venous		
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:28029[devel	oping vasculature	of cortex]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029), venous(EMAPA:28037)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), venous(EMAPA:28037)]		

Modified Component 92				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), venous(EMAPA:28037)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature ocortex(EMAPA:28029), venous(EMAPA:28037)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature cortex(EMAPA:28029), venous(EMAPA:28037)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029), venous(EMAPA:28037)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28029>			
	2. order=1 for EMAPA:28029			

Modified Component 93					
TD Componer	EMAPA: 28035   Is Group Term   false				
		Is Group Term	Laise		
Name	arterial	1	1		
Starts At	TS22	Ends At	TS22		
Primary Parents	EMAPA:28029[devel	oping vasculature	of cortex]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029), arterial(EMAPA:28035)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), arterial(EMAPA:28035)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), arterial(EMAPA:28035)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), arterial(EMAPA:28035)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary				

Modified Component 93					
	system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), arterial(EMAPA:28035)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029), arterial(EMAPA:28035)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28029>				
	2. order=0	for EMAPA:28029			

Modified Component 94					
ID	EMAPA:28811	Is Group Term	false		
Name	ureteral smooth muscle layer				
Starts At	TS23	Ends At	TS24		
Primary Parents	EMAPA:27711[ureteral mesenchyme]				
Group Parents					
Synonyms	[presumptive ureteral smooth muscle layer]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral smooth muscle layer(EMAPA:28811)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral smooth muscle layer(EMAPA:28811)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27711>				
	2. order=2 for EMAPA:27711				

Modified Component 95					
ID	EMAPA:28029	Is Group Term	false		
Name	developing vasculature of cortex				
Starts At	TS22	Ends At	TS22		
Primary Parents	EMAPA:28457[renal vasculature] EMAPA:17952[renal cortex]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029)]				

Modified Component 95				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:28457>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17952>			
	3. order=7 order=9 for EMAPA	for EMAPA:28457 :17952		

Modified Component 96			
ID	EMAPA:28814	Is Group Term	false
Name	smooth muscle com	ponent	
Starts At	TS23	Ends At	TS24
Primary Parents	EMAPA:28811[urete	ral smooth muscle	layer]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral smooth muscle layer(EMAPA:28811), smooth muscle component(EMAPA:28814)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral smooth muscle layer(EMAPA:28811), smooth muscle component(EMAPA:28814)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28811>		
	2. order=0 for EMAPA:28811		

Modified Component 97				
ID	EMAPA:28049	Is Group Term	false	
	)[			

Modified Component 97					
Name	immature loop	immature loop of Henle			
Starts At	TS22	Ends At	TS24		
Primary Parents	EMAPA:19279[renimmature nephro	nal medulla] EM on]	APA:28445[stage IV		
Group Parents					
Synonyms	[anlagen of loo	op of Henle]			
Primary Path	organ system(EN	MAPA:16103), vi 245), urinary s APA:17373), ren 19279), immatur	ystem(EMAPA:17366), al		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2570 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component ha no order entries; This Component has order entry < for EMAPA:19279>				
	2. Different Order - Referenced Componeno order entries; This Component has order enfor EMAPA:28445>  3. order=2 for EMAPA:28445 order=0 for EMAPA:19279				

Modified Component 98			
ID	EMAPA:28039	Is Group Term	false
Name	capillary		
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:28029[devel	oping vasculature	of cortex]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029), capillary(EMAPA:28039)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), capillary(EMAPA:28039)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing		

Modified Component 98				
	<pre>vasculature of cortex(EMAPA:28029), capillary(EMAPA:28039)]</pre>			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature cortex(EMAPA:28029), capillary(EMAPA:28039)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), capillary(EMAPA:28039)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing vasculature of cortex(EMAPA:28029), capillary(EMAPA:28039)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28029>			
	2. order=2 for EMAPA:28029			

Modified Componen	dified Component 99				
ID	EMAPA:28801	Is Group Term	false		
Name	intermediate cell	layer			
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:28101[deep	cellular layer]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), deep cellular layer(EMAPA:28101), intermediate cell layer(EMAPA:28801)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), deep cellular layer(EMAPA:28101), intermediate cell layer(EMAPA:28801)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28101>				
	2. order=0	for EMAPA:28101			

Modified Component 100				
ID	EMAPA:28806	Is Group Term	false	
Name	basal cell layer			
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:28101[deep cellular layer]			
Group Parents				
Synonyms	[]			

Modified Component 100				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), deep cellular layer(EMAPA:28101), basal cell layer(EMAPA:28806)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), deep cellular layer(EMAPA:28101), basal cell layer(EMAPA:28806)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28101>			
	2. order=1	for EMAPA:28101		

Modified Component 101			
ID	EMAPA:28841	Is Group Term	false
Name	lamina propria		•
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:17950[urete	r]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), lamina propria(EMAPA:28841)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), lamina propria(EMAPA:28841)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17950>		
	2. order=2 for EMAPA:17950		

Modified Component 102			
ID	EMAPA:28011	Is Group Term	false
Name	renal connecting	tubule	
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:18976[corti	cal renal tubule]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting		

```
tubule(EMAPA: 28011)]
2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature
nephron(EMAPA:28445), cortical renal
tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]
3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal
tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]
4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),
metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), late tubule(EMAPA:28527),
cortical renal tubule(EMAPA:18976), renal
connecting tubule(EMAPA:28011)]
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), maturing nephron(EMAPA:28485),
cortical renal tubule(EMAPA:18976), renal
connecting tubule(EMAPA:28011)]
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]
7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]
8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373)
stage IV immature nephron(EMAPA:28445), cortical
renal tubule(EMAPA:18976), renal connecting
tubule(EMAPA:28011)]
9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical
renal tubule(EMAPA:18976), renal connecting
tubule(EMAPA: 28011)]
10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late
tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]
tubule(EMAPA:28527), cortical renal
11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
renal cortex(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]
```

Modified Component 102				
	12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]			
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011)]			
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:18976>			
	2.	order=5	for EMAPA:18976	

Modified Component 103					
ID	EMAPA:28836	8836   Is Group Term   false			
Name	adventitia of tri	gone			
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:28826[adven	titia of bladder]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of bladder(EMAPA:28826), adventitia of trigone(EMAPA:28836)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of bladder(EMAPA:28826), adventitia of trigone(EMAPA:28836)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28826>				
	2. order=1	for EMAPA:28826			

Modified Component 104						
ID	EMAPA:28831	EMAPA: 28831				
Name	adventitia of fun	dus				
Starts At	TS23	Ends At	TS28			
Primary Parents	EMAPA:28826[adven	titia of bladder]				
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of bladder(EMAPA:28826), adventitia of fundus(EMAPA:28831)]					
Alternate Paths		omy(EMAPA:0), mou 9), organ system(				

Modified Component 104						
	visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of bladder(EMAPA:28826), adventitia of fundus(EMAPA:28831)]					
Rule Status	PASSED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28826>					
	2. order=0	for EMAPA:28826				

Modified Compon	ent 105					
ID	EMAPA:28007	Is Group Term	false			
Name	early distal tub	early distal tubule				
Starts At	TS22	Ends At	TS24			
Primary Parents	EMAPA:18976[cort	ical renal tubule]				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179	52), cortical rena 76), early distal	nl n(EMAPA:17366),			
Alternate Paths	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA nephron(EMAPA:28 tubule(EMAPA:189	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1736 metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]					
	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179 stage nephron GR tubule(EMAPA:189	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]				
	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179 cortical renal t	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:286 cortical renal tubule(EMAPA:18976), early distatubule(EMAPA:28007)]					
	organ system(EMA organ(EMAPA:1624 metanephros(EMAP GROUP(EMAPA:1795	tomy(EMAPA:0), mounts pa:16103), viscera pa:17373), viscera pa:17373), early new pa:17373), early new pa:176), early distal pa:1760,	ıl n(EMAPA:17366), ephron			
	7. [Abstract ana	tomy(EMAPA:0), mou	se(EMAPA:25765),			

```
Modified Component 105
                               embryo(EMAPA:16039), organ system(EMAPA:16103),
                              visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal
                              tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]
                              8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                               system(EMAPA:17366), metanephros(EMAPA:17373),
                              stage IV immature nephron(EMAPA:28445), cortical
                              renal tubule(EMAPA:18976), early distal
                               tubule(EMAPA:28007)]
                               9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), developing capitlary
                               loop stage nephron GROUP(EMAPA: 28506), cortical
                               renal tubule(EMAPA:18976), early distal
                               tubule(EMAPA: 28007)]
                              10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976) early distal
                              tubule(EMAPA:18976), early distal
tubule(EMAPA:28007)]
                               11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                               system(EMAPA:17366), metanephros(EMAPA:17373),
                              renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]
                              12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]
                               13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              embryo(EMAPA:16039), organ system(EMAPA:16103),
                              visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007)]
                               PASSED
                                                                                            CHANGED
Rule Status
                                                             Edit Status
                                             Different Order - Referenced Component has
Comments
                              no order entries; This Component has order entry <3
                              for EMAPA: 18976>
                                              order=3 for EMAPA:18976
```

Modified Component 106							
ID	EMAPA:28826	EMAPA:28826					
Name	adventitia of bla	dder					
Starts At	TS23	TS23 Ends At TS28					
Primary Parents	EMAPA:18321[bladder]						
Group Parents							
Synonyms	[]						
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of						

Modified Component 106					
	bladder(E	EMAPA:288	26)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of bladder(EMAPA:28826)]				
Rule Status	PASSED		Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:18321>				
	2.	order=5	for EMAPA:18321		

Modified Component 107						
ID	EMAPA: 28888	EMAPA:28888 Is Group Term false				
Name	developing vascul	ature of ovary				
Starts At	TS20	Ends At	TS27			
Primary Parents	EMAPA:31564[develsystem GROUP] EMA	oping vasculature PA:17962[ovary]	of reproductive			
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), developing vasculature of ovary(EMAPA:28888)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of ovary(EMAPA:28888)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of ovary(EMAPA:28888)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), developing vasculature of ovary(EMAPA:28888)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:17962>					
	2. order=14	for EMAPA:17962				

Modified Component 108					
ID	EMAPA:29098	EMAPA: 29098   Is Group Term   false			
Name	primary sex cord	primary sex cord			
Starts At	TS20 Ends At TS22				
Primary Parents	EMAPA:17972[testis]				
Group Parents					
Synonyms	[]	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive				

Modified Component 108					
		31), male reproduc 58), testis(EMAPA: 3098)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), primary sex cord(EMAPA:29098)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17972>				
	2. order=8	for EMAPA:17972			

Modified Component 109							
ID	EMAPA: 27625	Is Group Term false					
Name	ureteric tip						
Starts At	TS19	Ends At	TS19				
Primary Parents	EMAPA:17376[urete	ric bud]					
Group Parents							
Synonyms	[ureteric ampulla	.]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric bud(EMAPA:17376), ureteric tip(EMAPA:27625)]						
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric bud(EMAPA:17376), ureteric tip(EMAPA:27625)]						
Rule Status	PASSED	PASSED Edit Status CHANGED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17376>						
	2. order=0	for EMAPA:17376					

ID	EMAPA:27627	Is Group Term	false		
Name	ureteric stalk				
Starts At	TS19	Ends At	TS19		
Primary Parents	EMAPA:17376[urete	ric bud]	•		
Group Parents					
Synonyms	[ureteric trunk]	[ureteric trunk]			
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric bud(EMAPA:17376), ureteric stalk(EMAPA:27627)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric bud(EMAPA:17376), ureteric stalk(EMAPA:27627)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has				

Modified Component 110								
		entries; A:17376>	Thi	s Component	has	order	entry	<1
	2.	order=1	for	EMAPA:17376				

Modified Component 111					
ID	EMAPA: 27621				
Name	cap mesenchyme				
Starts At	TS19	Ends At	TS19		
Primary Parents	EMAPA:17375[metan	ephric mesenchyme	]		
Group Parents					
Synonyms	[condensed mesenc	hyme]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), metanephric mesenchyme(EMAPA:17375), cap mesenchyme(EMAPA:27621)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), metanephric mesenchyme(EMAPA:17375), cap mesenchyme(EMAPA:27621)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17375>				
	2. order=0	for EMAPA:17375			

Modified Component 112					
ID	EMAPA: 27623				
Name	peripheral blaste	ma			
Starts At	TS19	Ends At	TS19		
Primary Parents	EMAPA:17375[metan	ephric mesenchyme	]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), metanephric mesenchyme(EMAPA:17375), peripheral blastema(EMAPA:27623)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), metanephric mesenchyme(EMAPA:17375), peripheral blastema(EMAPA:27623)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17375>				
	2. order=1	for EMAPA:17375			

Modified Component 113					
ID	EMAPA:31367	Is Group Term	false		
Name resident macrophage of the perihilar interstitium					

Modified Component 113				
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:28083[perih	ilar interstitium	]	
Group Parents				
Synonyms	[renal monocytes	of the perihilar	interstitium]	
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA		l (EMAPA:17366), MAPA:17948),	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083), resident macrophage of the perihilar interstitium(EMAPA:31367)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083), resident macrophage of the perihilar interstitium(EMAPA:31367)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), perihilar interstitium(EMAPA:28083), resident macrophage of the perihilar interstitium(EMAPA:31367)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28083>			
	2. order=1	for EMAPA:28083		

Modified Component 114				
ID	EMAPA:31361	Is Group Term	false	
Name	perihilar fibrobl	ast		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:28083[perih	ilar interstitium	]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), perihilar interstitium(EMAPA:28083), perihilar fibroblast(EMAPA:31361)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083), perihilar fibroblast(EMAPA:31361)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083), perihilar fibroblast(EMAPA:31361)]			

Modified Component 114					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), perihilar interstitium(EMAPA:28083), perihilar fibroblast(EMAPA:31361)]				
Rule Status	PASSED		Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28083>				
	2.	order=0	for EMAPA:28083		

Modified Compone	ent 115				
ID	EMAPA:29976	Is Group Term	false		
Name	endothelial laye	r of renal artery			
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:28373[rena	l artery]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMA organ(EMAPA:1624	y(EMAPA:0), mouse( PA:16103), viscera 5), urinary system PA:28373), endothe PA:29976)]	ıl ı(EMAPA:17366),		
Alternate Paths	organ system(EMA organ(EMAPA:1624 renal arterial s	tomy(EMAPA:0), mou PA:16103), viscera 5), urinary system ystem(EMAPA:31436) 73), endothelial l 76)]	al n(EMAPA:17366), , renal		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), endothelial layer of renal artery(EMAPA:29976)]				
	organ system(EMA organ(EMAPA:1624 renal vasculatur artery(EMAPA:283	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), endothelial layer of renal artery(EMAPA:29976)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), renal artery(EMAPA:28373), endothelial layer of renal artery(EMAPA:29976)]				
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 urinary system G vasculature(EMAP	73), endothelial l	EMAPA:16103), ary asculature of renal		
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 vasculature(EMAP	A:28457), renal 73), endothelial l	EMAPA:16103), ry		
		tomy(EMAPA:0), mou 39), organ system(			

Modified Component 115					
	visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal artery(EMAPA:28373), endothelial layer of renal artery(EMAPA:29976)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. I no order e for EMAPA	entries;	t Order - This Comp	Reference Conent ha	ced Component has as order entry <0
	2.	order=0	for EMAPA:	28373	

Modified Component 116					
ID	EMAPA:29993    Is Group Term    false				
Name	ureteral mesenchy	me, rest of			
Starts At	TS20	Ends At	TS20		
Primary Parents	EMAPA:27711[urete	ral mesenchyme]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral mesenchyme, rest of(EMAPA:29993)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral mesenchyme, rest of(EMAPA:29993)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:27711>				
	2. order=4	for EMAPA:27711			

Modified Component 117				
ID	EMAPA:29995	Is Group Term	false	
Name	endothelium of re	nal artery		
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA:28373[renal	artery]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal artery(EMAPA:28373), endothelium of renal artery(EMAPA:29995)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), renal artery(EMAPA:28373), endothelium of renal artery(EMAPA:29995)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), endothelium of renal artery(EMAPA:29995)]			
	3. [Abstract anat	omy(EMAPA:0), mous	se(EMAPA:25765),	

Modified Component 117					
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), endothelium of renal artery(EMAPA:29995)]				
	embryo(EMAPA:16039) visceral organ(EMAP system(EMAPA:17366)	), organ system(PA:16245), urinan ), renal arterial ), renal artery(P	arterial artery(EMAPA:28373),		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), endothelium of renal artery(EMAPA:29995)]				
	6. [Abstract anator embryo(EMAPA:16039 visceral organ(EMAPA:17366) vasculature(EMAPA:2artery(EMAPA:28373 artery(EMAPA:29995	), organ system(PA:16245), urinar ), renal 28457), renal ), endothelium of	EMAPA:16103), CY		
	7. [Abstract anator embryo(EMAPA:16039 visceral organ(EMAPA:17366) endothelium of rena	), organ system(F PA:16245), urinan ), renal artery(F	EMAPA:16103), CY EMAPA:28373),		
Rule Status	PASSED	dit Status	CHANGED		
Comments	1. Different no order entries; 5 for EMAPA:28373>		ced Component has as order entry <1		
	2. order=1 fo	or EMAPA:28373			

Modified Component 118					
ID	EMAPA:29990	Is Group Term	false		
Name	metanephric mesen	chyme			
Starts At	TS17	Ends At	TS17		
Primary Parents	EMAPA:16367[genit	ourinary system]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephric mesenchyme(EMAPA:29990)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephric mesenchyme(EMAPA:29990)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:16367>				
	2. order=10	for EMAPA:16367			

Modified Component 119			
ID	EMAPA:27617	Is Group Term	false
Name	rostral		

Modified Component 119				
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:27615[param	etanephric mesenc	hyme]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), parametanephric mesenchyme(EMAPA:27615), rostral(EMAPA:27617)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), parametanephric mesenchyme(EMAPA:27615), rostral(EMAPA:27617)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27615>			
	2. order=0	for EMAPA:27615		

Modified Component 120				
ID	EMAPA:27615	Is Group Term	false	
Name	parametanephric m	esenchyme		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17366[urina	ry system]		
Group Parents				
Synonyms	[associated mesen	chyme]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), parametanephric mesenchyme(EMAPA:27615)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), parametanephric mesenchyme(EMAPA:27615)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17366>			
	2. order=2 for EMAPA:17366			

Modified Component 121			
ID	EMAPA:31354	Is Group Term	false
Name	renal medullary n	erves	
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:19279[renal	medulla]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary nerves(EMAPA:31354)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary		

Modified Component 121			
	system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary nerves(EMAPA:31354)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:19279>		
	2. order=8	for EMAPA:19279	

Modified Component 122				
ID	EMAPA:27619	Is Group Term	false	
Name	caudal			
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:27615[param	etanephric mesenc	hyme]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), parametanephric mesenchyme(EMAPA:27615), caudal(EMAPA:27619)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), parametanephric mesenchyme(EMAPA:27615), caudal(EMAPA:27619)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 27615>			
	2. order=1	for EMAPA:27615		

Modified Component 123				
ID	EMAPA:31347	Is Group Term	false	
Name	renal medullary l	ymphatics		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:19279[renal	medulla]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary lymphatics(EMAPA:31347)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary lymphatics(EMAPA:31347)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:19279>			
	2. order=7 for EMAPA:19279			

Modified Component 124				
Modified Component 124				
ID	EMAPA:27602	Is Group Term	false	
Name	nephric duct, pro	onephric portion		
Starts At	TS17	Ends At	TS17	
Primary Parents	EMAPA:16367[genit EMAPA:28425[nephr			
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245	57), nephric duct,	1	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct group(EMAPA:28425), nephric duct, pronephric portion(EMAPA:27602)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct, pronephric portion(EMAPA:27602)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct group(EMAPA:28425), nephric duct, pronephric portion(EMAPA:27602)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28425>			
	2. Different Order - Referenced Component no order entries; This Component has order entry for EMAPA:16367>			
	3. order=8 order=0 for EMAPA	for EMAPA:16367 A:28425		

Modified Component 125			
ID	EMAPA:27605	Is Group Term	false
Name	ureteric tip		
Starts At	TS18	Ends At	TS18
Primary Parents	EMAPA:17209[urete	ric bud]	
Group Parents			
Synonyms	[ureteric ampulla	.]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), ureteric bud(EMAPA:17209), ureteric tip(EMAPA:27605)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), ureteric bud(EMAPA:17209), ureteric tip(EMAPA:27605)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17209>		

Modified Componen	t 125	
	2.	order=0 for EMAPA:17209

Modified Component 126				
ID	EMAPA:27608	Is Group Term	false	
Name	ureteric trunk			
Starts At	TS18 Ends At TS18			
Primary Parents	EMAPA:17209[urete	ric bud]		
Group Parents				
Synonyms	[ureteric stalk]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), ureteric bud(EMAPA:17209), ureteric trunk(EMAPA:27608)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), ureteric bud(EMAPA:17209), ureteric trunk(EMAPA:27608)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17209>			
	2. order=1	for EMAPA:17209		

Modified Component 127			
ID	EMAPA:31340	Is Group Term	false
Name	rest of renal med	ullary interstiti	um
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:18326[renal	medullary inters	titium]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326), rest of renal medullary interstitium(EMAPA:31340)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal medullary interstitium(EMAPA:18326), rest of renal medullary interstitium(EMAPA:31340)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal medullary interstitium(EMAPA:18326), rest of renal medullary interstitium(EMAPA:31340)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326), rest of renal medullary interstitium(EMAPA:31340)]		

Modified Component 127			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18326>		
	2. order=2	for EMAPA:18326	

Modified Component 128			
ID	EMAPA:29065	Is Group Term	false
Name	primary oocyte of	primary follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:19284[prima	ry follicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primary follicle(EMAPA:19284), primary oocyte of primary follicle(EMAPA:29065)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primary follicle(EMAPA:19284), primary oocyte of primary follicle(EMAPA:29065)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19284>		
	2. order=0	for EMAPA:19284	

Modified Component 129			
ID	EMAPA:29067	Is Group Term	false
Name	follicle cell of	primary follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:19284[prima	ry follicle]	
Group Parents			
Synonyms	[granulosa cell o	f primary follicle	e]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primary follicle(EMAPA:19284), follicle cell of primary follicle(EMAPA:29067)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primary follicle(EMAPA:19284), follicle cell of primary follicle(EMAPA:29067)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19284>		
	2. order=1	for EMAPA:19284	

Modified Component 130					
ID	EMAPA:29061	Is Group Term	false		
Name	muscular layer of	muscular layer of lower part of vagina			
Starts At	TS24	Ends At	TS28		
Primary Parents	EMAPA: 18999[lower EMAPA: 30997[muscu	part of vagina] lar layer of vagi	.na]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 part of vagina(EM	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), muscular layer of lower part of vagina(EMAPA:29061)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), muscular layer of vagina(EMAPA:30997), muscular layer of lower part of vagina(EMAPA:29061)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), muscular layer of lower part of vagina(EMAPA:29061)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), muscular layer of vagina(EMAPA:30997), muscular layer of lower part of vagina(EMAPA:29061)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	no order entries; for EMAPA:30997>	This Component h	nced Component has as order entry <0		
	<ol> <li>Different Order - Referenced Compon no order entries; This Component has order effor EMAPA:18999&gt;</li> </ol>				
	3. order=1 order=0 for EMAPA	for EMAPA:18999 A:30997			

Modified Componen	t 131		
ID	EMAPA:31333	Is Group Term	false
Name	resident macropha	ges of the medull	a
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:18326[renal	medullary inters	titium]
Group Parents			
Synonyms	[renal monocytes of the medulla]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326), resident macrophages of the medulla(EMAPA:31333)]		
Alternate Paths	organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera ), urinary system :17373), renal in	l (EMAPA:17366),

Modified Componen	t 131				
	group(EMAPA:28518), renal medullary interstitium(EMAPA:18326), resident macrophages of the medulla(EMAPA:31333)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal medullary interstitium(EMAPA:18326), resident macrophages of the medulla(EMAPA:31333)]				
				EMAPA:16103), ry MAPA:17373), 18), renal ), resident	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326), resident macrophages of the medulla(EMAPA:31333)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18326>				
	2.	order=1	for EMAPA:1	8326	

Modified Component 132			
ID	EMAPA:27673	Is Group Term	false
Name	pretubular aggreg	rate	
Starts At	TS20	Ends At	TS20
Primary Parents	EMAPA:31562[nephr EMAPA:17373[metan	ogenic zone GROUP ephros]	]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pretubular aggregate(EMAPA:27673)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), pretubular aggregate(EMAPA:27673)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pretubular aggregate(EMAPA:27673)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), pretubular aggregate(EMAPA:27673)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17373>		
	2. order=5 for EMAPA:17373		

Modified Component 133			
ID	EMAPA:27671	Is Group Term	false
Name nephrogenic interstitium			

Modified Componen	t 133		
Starts At	TS20	Ends At	TS20
Primary Parents	EMAPA:17373[metan	ephros]	
Group Parents			
Synonyms	[peripheral blast	ema]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic interstitium(EMAPA:27671)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic interstitium(EMAPA:27671)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17373>		
	2. order=3	for EMAPA:17373	

Modified Componen	t 134		
ID	EMAPA: 27665	Is Group Term	false
Name	paramesonephric d	uct	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:27644[meson	ephros]	
Group Parents			
Synonyms	[Mullerian duct]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), paramesonephric duct(EMAPA:27665)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), paramesonephric duct(EMAPA:27665)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27644>		
	2. order=3	for EMAPA:27644	-

Modified Componen	t 135		
ID	EMAPA:31326	Is Group Term	false
Name	renal medullary f	ibroblasts	
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:18326[renal	medullary inters	titium]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP	79), renal medulla A:18326), renal medulla	l (EMAPA:17366), ary
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),

ı

Modified Componen	it 135		
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal medullary interstitium(EMAPA:18326), renal medullary fibroblasts(EMAPA:31326)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal medullary interstitium(EMAPA:18326), renal medullary fibroblasts(EMAPA:31326)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326), renal medullary fibroblasts(EMAPA:31326)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18326>		
	2. order=0 for EMAPA:18326		

Modified Component 136				
ID	EMAPA:27663	Is Group Term	false	
Name	nephric duct, me	sonephric portion		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:27644[mesogroup]	nephros] EMAPA:284	29[nephric duct	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), nephric duct, mesonephric portion(EMAPA:27663)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), nephric duct group(EMAPA:28429), nephric duct, mesonephric portion(EMAPA:27663)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), nephric duct group(EMAPA:28429), nephric duct, mesonephric portion(EMAPA:27663)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), nephric duct, mesonephric portion(EMAPA:27663)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28429>			
	2. Differe no order entries for EMAPA:27644>	nt Order - Referen ; This Component h	ced Component has as order entry <2	
	3. order=2 order=0 for EMAP	for EMAPA:27644 A:28429		

2. 1.5. 1. 6			
Modified Compone	nt 137		
ID	EMAPA:27661	Is Group Term	false
Name	mesonephric meser	ıchyme	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:27644[mesor	ephros]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric mesenchyme(EMAPA:27661)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric mesenchyme(EMAPA:27661)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27644>		
	2. order=0	for EMAPA:27644	

Modified Component 138			
ID	EMAPA:31312	Is Group Term	false
Name	renal cortical ly	mphatics	
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:17952[renal	. cortex]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical lymphatics(EMAPA:31312)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical lymphatics(EMAPA:31312)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17952>		
	2. order=11	for EMAPA:17952	

Modified Component 139			
ID	EMAPA:31319	Is Group Term	false
Name	renal cortical nerves		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:17952[renal cortex]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral		

Modified Component 139				
	organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical nerves(EMAPA:31319)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical nerves(EMAPA:31319)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:17952>			
	2. order=12	2 for EMAPA:17952		

Modified Component 140			
ID	EMAPA: 27659	Is Group Term	false
Name	mesonephric tubul	е	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:27644[meson	ephros]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27644>		
	2. order=1	for EMAPA:27644	

Modified Component 141			
ID	EMAPA:27657	Is Group Term	false
Name	posterior gonadal	mesenchyme	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:17385[gonad	al mesenchyme]	
Group Parents			
Synonyms	[caudal gonadal m	esenchyme]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385), posterior gonadal mesenchyme(EMAPA:27657)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385), posterior gonadal mesenchyme(EMAPA:27657)]		
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 141				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17385>			
	2. order=2 for EMAPA:17385			

Modified Componen	nt 142			
ID	EMAPA:27655	Is Group Term	false	
Name	central gonadal m	esenchyme		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17385[gonad	al mesenchyme]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385), central gonadal mesenchyme(EMAPA:27655)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385), central gonadal mesenchyme(EMAPA:27655)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17385>			
	2. order=1	for EMAPA:17385		

			1
Modified Component 143			
ID	EMAPA:27653	Is Group Term	false
Name	anterior gonadal	mesenchyme	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:17385[gonad	lal mesenchyme]	
Group Parents			
Synonyms	[rostral gonadal	mesenchyme]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385), anterior gonadal mesenchyme(EMAPA:27653)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385), anterior gonadal mesenchyme(EMAPA:27653)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17385>		
	2. order=0	for EMAPA:17385	

Modified Component 144			
ID	EMAPA:27644	Is Group Term	false

Modified Component 144				
Name	mesonephros	mesonephros		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17381[repro	oductive system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17381>			
	2. order=0	for EMAPA:17381		

Modified Component 145					
ID	EMAPA:31304	Is Group Term	false		
Name	rest of renal	cortical intersti	tium		
Starts At	TS22	TS22 Ends At TS28			
Primary Parents	EMAPA:28136[re	enal cortical inte	erstitium]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(I organ(EMAPA:16 metanephros(EN cortex(EMAPA:1 interstitium(I	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), rest of renal cortical interstitium(EMAPA:31304)]			
Alternate Paths	organ system(I organ(EMAPA:16 metanephros(EM group(EMAPA:28 interstitium(I	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), rest of renal cortical interstitium(EMAPA:31304)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), rest of renal cortical interstitium(EMAPA:31304)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), rest of renal cortical interstitium(EMAPA:31304)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28136>				
	2. order=2 for EMAPA:28136				

Modified Componen	t 146	

Modified Component 146				
ID	EMAPA: 27642	Is Group Term	false	
Name	associated mesend	hyme		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:27638[cload	a]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), cloaca(EMAPA:27638), associated mesenchyme(EMAPA:27642)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), cloaca(EMAPA:27638), associated mesenchyme(EMAPA:27642)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27638>			
	2. order=1 for EMAPA:27638			

Modified Component 147				
ID	EMAPA:27640	Is Group Term	false	
Name	cloacal epitheliu	m		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:27638[cloac	a]		
Group Parents				
Synonyms	[distal urethral	mesenchyme]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), cloaca(EMAPA:27638), cloacal epithelium(EMAPA:27640)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), cloaca(EMAPA:27638), cloacal epithelium(EMAPA:27640)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27638>			
	2. order=0 for EMAPA:27638			

Modified Component 148				
ID	EMAPA:27638	Is Group Term	false	
Name	cloaca			
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17366[urinary system]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), cloaca(EMAPA:27638)]			

Modified Component 148				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), cloaca(EMAPA:27638)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <16 for EMAPA:17366>  2. order=16 for EMAPA:17366			

Modified Component 149				
ID	EMAPA:29806	Is Group Term	false	
Name	rest of interstit	ium of anterior p	rostate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29802[anter	ior prostatic int	erstitium]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic interstitium(EMAPA:29802), rest of interstitium of anterior prostate(EMAPA:29806)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic interstitium(EMAPA:29802), rest of interstitium of anterior prostate(EMAPA:29806)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29802>			
	2. order=1	for EMAPA:29802		

Modified Component 150				
ID	EMAPA:29804	Is Group Term	false	
Name	smooth muscle of	anterior prostate		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29802[anter	ior prostatic int	erstitium]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic interstitium(EMAPA:29802), smooth muscle of anterior prostate(EMAPA:29804)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive			

Modified Component 150				
	system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic interstitium(EMAPA:29802), smooth muscle of anterior prostate(EMAPA:29804)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29802>			
	2. order=0	for EMAPA:29802		

Modified Component 151				
ID	EMAPA:29802	Is Group Term	false	
Name	anterior prostati	c interstitium		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29794[anter	ior prostate gland	d]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic interstitium(EMAPA:29802)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic interstitium(EMAPA:29802)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29794>			
	2. order=1	for EMAPA:29794		

Modified Component 152				
ID	EMAPA:29800	Is Group Term	false	
Name	ductal epithelium	of anterior pros	tate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29796[anter	ior prostatic epi	thelium]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic epithelium(EMAPA:29796), ductal epithelium of anterior prostate(EMAPA:29800)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory			

Modified Component 152			
	anterior prostate prostatic epithel	), prostate gland gland(EMAPA:29794 ium(EMAPA:29796), erior prostate(EMA	1), anterior ductal
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29796>		
	2. order=1	for EMAPA:29796	

Modified Compor	EMAPA: 30720	Is Group Term	false		
Name		elium of glans cli			
Starts At	TS25	Ends At	TS27		
Primary Parents	EMAPA: 191/0[g.	lans clitoris]			
Group Parents					
Synonyms	[]				
Primary Path	organ system() organ(EMAPA:10 system(EMAPA: system(EMAPA:	tomy(EMAPA:0), mou EMAPA:16103), visc 6245), reproductiv 17381), female rep 17959), genital tu 18680), glans clit elium of glans cli	ceral ve productive		
Alternate Paths	organ system(lorgan(EMAPA:16 system(EMAPA: system(EMAPA: system(EMAPA: structure (EMAl female(EMAPA: surface epithe 2. [Abstract organ system(lorgan(EMAPA: system(EMAPA: system(EMAPA: genitalia(EMAl female(EMAPA:	EMAPA:16103), visc 5245), reproductive 17381), female reproductive 17959), female asservations of the servation of the ser	re productive productive productive tubercle of coris(EMAPA:19170), toris(EMAPA:30720)]  mouse(EMAPA:25765), ceral re productive cernal tubercle of coris(EMAPA:19170),		
	3. [Abstract a embryo(EMAPA: visceral organ system(EMAPA: system(EMAPA: female(EMAPA:	surface epithelium of glans clitoris(EMAPA:30720)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), surface epithelium of glans clitoris(EMAPA:30720)]			
	embryo(EMAPA: visceral organ system(EMAPA: system(EMAPA: structure(EMAPA: female(EMAPA:	16039), organ syst n(EMAPA:16245), re 17381), female rep 17959), female ass PA:28540), genital 18680), glans clit	eproductive productive sociated reproductive		
	embryo(EMAPA: visceral organ system(EMAPA: system(EMAPA: genitalia(EMA)	16039), organ syst n(EMAPA:16245), re 17381), female rep 17959), female ext PA:30984), genital	eproductive productive cernal		
Rule Status	PASSED	Edit Status	CHANGED		
Comments		ies; This Componer	erenced Component has nt has order entry <0		

## Modified Component 153 2. order=0 for EMAPA:19170

Modified Compone		<u> </u>	E - 1	
ID	EMAPA: 30725	Is Group Term	false	
Name	mesenchyme of cru		ma o z	
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:19169[crus	EMAPA:19169[crus of clitoris]		
Group Parents				
Synonyms		[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 female(EMAPA:1868	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), mesenchyme of crus of clitoris(EMAPA:30725)]		
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:2 female(EMAPA:1868	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), mesenchyme of crus of clitoris(EMAPA:30725)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169 mesenchyme of crus of clitoris(EMAPA:30725)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169) mesenchyme of crus of clitoris(EMAPA:30725)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169) mesenchyme of crus of clitoris(EMAPA:30725)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3 female(EMAPA:1868	comy(EMAPA:0), mouse 9), organ system( MAPA:16245), reprod 1), female reprod 9), female extern 10984), genital tu 10), crus of clitous of clitous of clitous	EMAPA:16103), ductive uctive al bercle of ris(EMAPA:19169),	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h		
	no order entries; for EMAPA:19169>			

Modified Component 155						
ID	ID EMAPA: 29808 Is Group Term false					
Name	dorsal prostate gland					

Modified Componen	ıt 155				
Starts At	TS28		Ends At		TS28
Primary Parents	EMAPA:192	EMAPA:19287[prostate gland]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19287>				
	2.	order=1	for EMAPA:	19287	

Modified Component 156				
modified Compon	EMAPA:30730	Is Group Term	false	
Name		surface epithelium of crus of clitoris		
Starts At	TS25	Ends At	TS27	
Primary Parents		us of clitoris]		
Group Parents		ab or critoria;		
Synonyms				
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 female(EMAPA:1 surface epithe	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), surface epithelium of crus of		
Alternate Paths	clitoris(EMAPA:30730)]  1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), surface epithelium of crus of clitoris(EMAPA:30730)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:17381), female reproductive system(EMAPA:17381), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), surface epithelium of crus of clitoris(EMAPA:30730)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			
	<pre>system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), surface epithelium of crus of clitoris(EMAPA:30730)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),</pre>			
	4. [Abstract a	natomy(EMAPA:0),	mouse(EMAPA: 25765),	

Modified Component 156				
	visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:2	28540), genital tu 30), crus of clito um of crus of	oductive ductive lated reproductive	
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), surface epithelium of crus of clitoris(EMAPA:30730)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19169>			
	2. order=0	for EMAPA:19169		

Modified Component 157				
ID	EMAPA:30749	Is Group Term	false	
Name	outer layer of ep	ididymis		
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:19290[epidi	dymis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), outer layer of epididymis(EMAPA:30749)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), outer layer of epididymis(EMAPA:30749)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:19290>			
	2. order=4	for EMAPA:19290		

APA:30747	Is Group Term	E-1
1		false
scie layer of e	pididymis	
23	Ends At	TS23
EMAPA:19290[epididymis]		
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30747)]		
3	an system(EMAP an(EMAPA:16245 tem(EMAPA:1738 tem(EMAPA:1796	an system(EMAPA:16103), visceral an(EMAPA:16245), reproductive tem(EMAPA:17381), male reproduct tem(EMAPA:17968), epididymis(EMA

Modified Component 158					
Alternate Paths	<pre>embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1</pre>	matomy(EMAPA:0), mous .6039), organ system(1 .(EMAPA:16245), reproduct .7381), male reproduct .7968), epididymis(EMAPA:3	EMAPA:16103), ductive tive APA:19290),		
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19290>				
	2. order	r=3 for EMAPA:19290			

Modified Component 159				
ID	EMAPA:30745	Is Group Term	false	
Name	surface epitheliu	surface epithelium of epididymis		
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:19290[epidi	dymis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), surface epithelium of epididymis(EMAPA:30745)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), surface epithelium of epididymis(EMAPA:30745)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:19290>			
	2. order=7	for EMAPA:19290		

Modified Component 160				
ID	EMAPA:30751	Is Group Term	false	
Name	outer layer of du	ctus deferens		
Starts At	TS26	Ends At	TS27	
Primary Parents	EMAPA:18681[ductu	s deferens]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), outer layer of ductus deferens(EMAPA:30751)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), outer layer of ductus deferens(EMAPA:30751)]			
		omy(EMAPA:0), mou: 9), organ system(		

Modified Compone	ent 160			
	system(EMAPA: 1738 system(EMAPA: 1796	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), outer layer of ductus deferens(EMAPA:30751)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), outer layer of ductus deferens(EMAPA:30751)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2 deferens(EMAPA:18			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18681>		
	2. order=2	for EMAPA:18681		

Modified Component 161			
ID	EMAPA:29009	Is Group Term	false
Name	cortical componen	t of mesenchymal	stroma
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:28880[mesen	chymal stroma of	ovary]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), cortical component of mesenchymal stroma(EMAPA:29009)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), cortical component of mesenchymal stroma(EMAPA:29009)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28880>		
	2. order=0	for EMAPA:28880	

Modified Componen	t 162		
ID	EMAPA:30757	Is Group Term	false
Name	oocyte of primord	ial follicle	
Starts At	TS27	Ends At	TS28
Primary Parents	EMAPA:30755[primo	rdial follicle]	
Group Parents			
Synonyms			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primordial follicle(EMAPA:30755), oocyte of primordial follicle(EMAPA:30757)]		
Alternate Paths	1. [Abstract anat embryo(EMAPA:1603	omy(EMAPA:0), mou 9), organ system(	se(EMAPA:25765), EMAPA:16103),

Modified Component 162				
	<pre>visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primordial follicle(EMAPA:30755), oocyte of primordial follicle(EMAPA:30757)]</pre>			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30755>			
	2. order=0	for EMAPA:30755		

Modified Component 163				
ID	EMAPA:30755   Is Group Term   false			
Name	primordial follic	le		
Starts At	TS27	Ends At	TS28	
Primary Parents	EMAPA:17962[ovary	.]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primordial follicle(EMAPA:30755)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primordial follicle(EMAPA:30755)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17962>			
	2. order=5 for EMAPA:17962			

Modified Component 164			
ID	EMAPA:29014	Is Group Term	false
Name	medullary compone	nt of mesenchymal	stroma
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:28880[mesen	chymal stroma of	ovary]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), medullary component of mesenchymal stroma(EMAPA:29014)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), medullary component of mesenchymal stroma(EMAPA:29014)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1		

Modified Componen	t 164
	for EMAPA:28880>
	2. order=1 for EMAPA:28880

Modified Componen	t 165		
ID	EMAPA:30767	Is Group Term	false
Name	follicle cell of	tertiary follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30763[terti	ary follicle]	
Group Parents			
Synonyms	[granulosa cell o	f tertiary follic	le]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), follicle cell of tertiary follicle(EMAPA:30767)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), follicle cell of tertiary follicle(EMAPA:30767)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30763>		
	2. order=1	for EMAPA:30763	_

Modified Component 166			
ID	EMAPA:30765	Is Group Term	false
Name	oocyte of tertiar	y follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30763[terti	ary follicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), oocyte of tertiary follicle(EMAPA:30765)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), oocyte of tertiary follicle(EMAPA:30765)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30763>		
	2. order=0 for EMAPA:30763		

Modified Componen	t 167	

Modified Component 167			
ID	EMAPA:30769	Is Group Term	false
Name	theca of tertiary	follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30763[terti	ary follicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), theca of tertiary follicle(EMAPA:30769)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), theca of tertiary follicle(EMAPA:30769)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:30763>		
	2. order=3 for EMAPA:30763		

Modified Compon	EMAPA:31379	Is Group Term	false	
		premacula segment of distal straight tubule		
Name	TS25	1	TS28	
Starts At		Ends At		
Primary Parents	EMAPA: 28396[d1	stal straight tu	bule]	
Group Parents				
Synonyms	[]			
	organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 tubule(EMAPA:1 tubule(EMAPA:2 tubule(EMAPA:2	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]		
Alternate Paths	organ system(E organ(EMAPA:16 metanephros(EM nephron(EMAPA: tubule(EMAPA:1 mature nephron tubule(EMAPA:2	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]			
	organ system(E organ(EMAPA:16 metanephros(EM	MAPA:16103), vis	stem(EMAPA:17366), e IV immature	

tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]

- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal

## straight tubule(EMAPA:31379)]

- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:18976), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

## Modified Component 168

```
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), late
tubule(EMAPA:28527), cortical renal
tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396), premacula segment of distal
straight tubule(EMAPA:31379)]
```

- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]
- 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), premacula segment of distal straight tubule(EMAPA:31379)]

Rule Status PASSED Edit Status CHANGED

Modified Component 168					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28396>				
	2. order=0 for EMAPA:28396				

Modified Component 169				
ID	EMAPA:29848	Is Group Term	false	
Name	rest of interstit	ium of ventral pr	ostate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29844[ventr	al prostatic inte	rstitium]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic interstitium(EMAPA:29844), rest of interstitium of ventral prostate(EMAPA:29848)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic interstitium(EMAPA:29844), rest of interstitium of ventral prostate(EMAPA:29848)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29844>			
	2. order=1 for EMAPA:29844			

Modified Component 170					
ID	EMAPA:30763	Is Group Term	false		
Name	tertiary follicle				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:17962[ovary	·]			
Group Parents					
Synonyms	[antral follicle]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17962>				
	2. order=8	for EMAPA:17962			

Modified Componen	nt 171				
ID	EMAPA:29846	Is Group Term	false		
Name	smooth muscle of	ventral prostate			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29844[ventr	al prostatic inte	rstitium]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic interstitium(EMAPA:29844), smooth muscle of ventral prostate(EMAPA:29846)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic interstitium(EMAPA:29844), smooth muscle of ventral prostate(EMAPA:29846)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29844>				
	2. order=0	for EMAPA:29844			

Modified Componer	nt 172			
ID	EMAPA:29844	Is Group Term	false	
Name	ventral prostatio	interstitium		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29836[ventr	al prostate gland	]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic interstitium(EMAPA:29844)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic interstitium(EMAPA:29844)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29836>			
	2. order=1	for EMAPA:29836		

Modified Component 173					

Modified Component 173				
ID	EMAPA:31373	Is Group Term	false	
Name	rest of perihilar	interstitium		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:28083[perih	ıilar interstitium	]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), perihilar interstitium(EMAPA:28083), rest of perihilar interstitium(EMAPA:31373)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083), rest of perihilar interstitium(EMAPA:31373)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), perihilar interstitium(EMAPA:28083), rest of perihilar interstitium(EMAPA:31373)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), perihilar interstitium(EMAPA:28083), rest of perihilar interstitium(EMAPA:31373)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28083>			
	2. order=2	for EMAPA:28083		

Modified Component 174				
ID	EMAPA:29852	Is Group Term	false	
Name	epithelial layer	of crus penis		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19294[crus	penis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), epithelial layer of crus penis(EMAPA:29852)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17381), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), epithelial layer of crus penis(EMAPA:29852)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 174					
	<pre>system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), epithelial layer of crus penis(EMAPA:29852)] 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), epithelial layer of crus penis(EMAPA:29852)]</pre>				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19294>				
	2. order=2	for EMAPA:19294			

Modified Component 175				
ID	EMAPA:29850	Is Group Term	false	
Name	corpus spongiosum			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19294[crus	penis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), corpus spongiosum(EMAPA:29850)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), corpus spongiosum(EMAPA:29850)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			
	system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), corpus spongiosum(EMAPA:29850)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), corpus spongiosum(EMAPA:29850)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19294>			
	2. order=1 for EMAPA:19294			

Modified Component 176					
ID EMAPA: 30775 Is Group Term false					
Name	mural of tertiary follicle				
Starts At	TS28 Ends At TS28				
Primary Parents EMAPA:30767[follicle cell of tertiary follicle]					

Modified Componen	t 176				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), follicle cell of tertiary follicle(EMAPA:30767), mural of tertiary follicle(EMAPA:30775)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), follicle cell of tertiary follicle(EMAPA:30767), mural of tertiary follicle(EMAPA:30775)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30767>				
	2. 0	rder=1	for EMAPA:30	767	

Modified Component 177			
ID	EMAPA:30777	Is Group Term	false
Name	Graafian follicle		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:17962[ovary	.]	
Group Parents			
Synonyms	[pre-ovulatory fo	llicle]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17962>		
	2. order=9	for EMAPA:17962	

Modified Component 178			
ID	EMAPA:30779	Is Group Term	false
Name	primary oocyte of	mature follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30777[Graafian follicle]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive		

Modified Component 178				
		9), ovary(EMAPA:1 777), primary ooc 779)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), primary oocyte of mature follicle(EMAPA:30779)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30777>			
	2. order=0	for EMAPA:30777		

Modified Component 179				
ID	EMAPA:29836	Is Group Term	false	
Name	ventral prostate	gland		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19287[prost	ate gland]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:19287>			
	2. order=4 for EMAPA:19287			

Modified Component 180			
ID	EMAPA:31389	Is Group Term	false
Name	resident macropha	ge of the outer me	edulla
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28337[outer	medullary inters	titium]
Group Parents			
Synonyms	[renal monocytes of the outer medulla]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), resident macrophage of the outer medulla(EMAPA:31389)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium		

ī

Modified Component 180				
	group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), resident macrophage of the outer medulla(EMAPA:31389)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), resident macrophage of the outer medulla(EMAPA:31389)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), resident macrophage of the outer medulla(EMAPA:31389)]			
Rule Status	PASSED	Edit Status	СНА	NGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28337>			
	2. orde	2. order=1 for EMAPA:28337		

Modified Component 181			
ID	EMAPA:29838	Is Group Term	false
Name	ventral prostatio	epithelium	-
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29836[ventr	al prostate gland	]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic epithelium(EMAPA:29838)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic epithelium(EMAPA:29838)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29836>		
	2. order=0	for EMAPA:29836	

Modified Component 182				
ID	EMAPA:31384	Is Group Term	false	
Name	outer medullary fibroblast			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28337[outer medullary interstitium]			
Group Parents				
Synonyms	[1]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 182				
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28337>			
	2. order=0 for EMAPA:28337			

Modified Component 183			
ID	EMAPA:30771	Is Group Term	false
Name	antrum of tertiar	y follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30763[terti	ary follicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), antrum of tertiary follicle(EMAPA:30771)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), antrum of tertiary follicle(EMAPA:30771)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30763>		
	2. order=2 for EMAPA:30763		

Modified Component 184			
ID	EMAPA:29832	Is Group Term	false
Name	smooth muscle of	lateral prostate	

Modified Component 184			
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29830[lat	eral prostatic inte	rstitium]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic interstitium(EMAPA:29830), smooth muscle of lateral prostate(EMAPA:29832)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic interstitium(EMAPA:29830), smooth muscle of lateral prostate(EMAPA:29832)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29830>		
	2. order=	0 for EMAPA:29830	

Modified Componer	Modified Component 185				
ID	EMAPA:30773	Is Group Term	false		
Name	cumulus of tertia	ry follicle			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:30767[folli	cle cell of terti	ary follicle]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), follicle cell of tertiary follicle(EMAPA:30767), cumulus of tertiary follicle(EMAPA:30773)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tertiary follicle(EMAPA:30763), follicle cell of tertiary follicle(EMAPA:30767), cumulus of tertiary follicle(EMAPA:30773)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30767>				
	2. order=0	for EMAPA:30767			

Modified Component 186					
ID EMAPA: 29834 Is Group Term false					
Name	rest of interstitium of lateral prostate				
Starts At	TS28 Ends At TS28				

Modified Component 186					
Primary Parents	EMAPA:29	830[later	al prostatic	inte	rstitium]
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic interstitium(EMAPA:29830), rest of interstitium of lateral prostate(EMAPA:29834)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic interstitium(EMAPA:29830), rest of interstitium of lateral prostate(EMAPA:29834)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29830>				
	2.	order=1	for EMAPA:298	330	

Modified Component 187					
ID	EMAPA:29840	Is Group Term	false		
Name	glandular epithel	ium of ventral pr	ostate		
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29838[ventr	al prostatic epit	helium]		
Group Parents					
Synonyms	[secretory epithe	lium]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic epithelium(EMAPA:29838), glandular epithelium of ventral prostate(EMAPA:29840)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic epithelium(EMAPA:29838), glandular epithelium of ventral prostate(EMAPA:29840)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29838>				
	2. order=0	for EMAPA:29838			

Modified Component 188						
ID EMAPA: 29842 Is Group Term false						
Mame ductal epithelium of ventral prostate						
Starts At	TS28	Ends At	TS28			

Modified Component 188					
Primary Parents	EMAPA:298	338[ventr	al prostatic ep	itl	nelium]
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic epithelium(EMAPA:29838), ductal epithelium of ventral prostate(EMAPA:29842)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), ventral prostate gland(EMAPA:29836), ventral prostatic epithelium(EMAPA:29838), ductal epithelium of ventral prostate(EMAPA:29842)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29838>				
	2.	order=1	for EMAPA:29838		

Modified Component 189						
ID	EMAPA:29034	EMAPA:29034   Is Group Term   false				
Name	muscular layer					
Starts At	TS24	Ends At	TS27			
Primary Parents	EMAPA:18985[uteri	ne horn]				
Group Parents						
Synonyms	[myometrium]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985), muscular layer(EMAPA:29034)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985), muscular layer(EMAPA:29034)]					
Rule Status	PASSED Edit Status CHANGED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18985>					
	2. order=1	for EMAPA:18985				

Modified Component 190					
ID	EMAPA:29030	Is Group Term	false		
Name	epithelium				
Starts At	TS24 Ends At TS27				
Primary Parents	EMAPA:18985[uterine horn]				
Group Parents					
Synonyms	[endometrium]				

Modified Component 190					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985), epithelium(EMAPA:29030)				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985), epithelium(EMAPA:29030)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18985>				
	2. order=0	for EMAPA:18985			

Modified Component 191					
ID	EMAPA:30789	Is Group Term	false		
Name	antrum of mature	follicle			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:30777[Graaf	ian follicle]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), antrum of mature follicle(EMAPA:30789)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), antrum of mature follicle(EMAPA:30789)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30777>				
	2. order=2	for EMAPA:30777			

Modified Component 192				
ID	EMAPA:30787	Is Group Term	false	
Name	theca of mature f	ollicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30777[Graaf	ian follicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), theca of mature follicle(EMAPA:30787)]			
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),	

Modified Component 192					
	<pre>visceral orga system(EMAPA: system(EMAPA:</pre>	16039), organ system( an(EMAPA:16245), repro- 17381), female reprod- 17959), ovary(EMAPA:1 PA:30777), theca of ma PA:30787)]	ductive uctive 7962), Graafian		
Rule Status	PASSED	Edit Status	CHANGED		
Comments		erent Order - Referen ries; This Component h 177>			
	2. orde	er=3 for EMAPA:30777			

Modified Component 193				
ID	EMAPA:30785	Is Group Term	false	
Name	mural of mature f	ollicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30781[germi	nal cell of matur	e follicle]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17395), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), germinal cell of mature follicle(EMAPA:30781), mural of mature follicle(EMAPA:30785)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), germinal cell of mature follicle(EMAPA:30785)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30781>			
	2. order=1	for EMAPA:30781		

Modified Component 194				
ID	EMAPA:29824 Is Group Term false			
Name	lateral prostatic	epithelium		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29822[later	al prostate gland	]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic epithelium(EMAPA:29824)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory			

Modified Component 194				
	gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic epithelium(EMAPA:29824)			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29822>			
	2. order=0	for EMAPA:29822		

Modified Component 195				
ID	EMAPA:31394	Is Group Term	false	
Name	rest of outer med	ullary interstiti	um	
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28337[outer	medullary inters	titium]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), rest of outer medullary interstitium(EMAPA:31394)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), rest of outer medullary interstitium(EMAPA:31394)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), rest of outer medullary interstitium(EMAPA:31394)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), rest of outer medullary interstitium(EMAPA:31394)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28337>			
	2. order=2	for EMAPA:28337		

Modified Component 196				
ID	EMAPA:30783	Is Group Term	false	
Name	cumulus of mature	follicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30781[germinal cell of mature follicle]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 196				
	system(EMAPA:1795 follicle(EMAPA:30	B1), female reprod 59), ovary(EMAPA:1 1777), germinal ce 1781), cumulus of 1783)]	7962), Graafian ll of mature	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), germinal cell of mature follicle(EMAPA:30781), cumulus of mature follicle(EMAPA:30783)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30781>			
	2. order=0	for EMAPA:30781		

Modified Component 197				
ID	EMAPA:29822   Is Group Term   false			
Name	lateral prostate	gland		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19287[prost	ate gland]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19287>			
	2. order=2	2. order=2 for EMAPA:19287		

Modified Component 198			
ID	EMAPA:30781	Is Group Term	false
Name	germinal cell of	mature follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30777[Graaf	ian follicle]	
Group Parents			
Synonyms	[granulosa]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), germinal cell of mature follicle(EMAPA:30781)]		
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 198				
	visceral org system(EMAPA system(EMAPA	:16039), organ syste an(EMAPA:16245), rep :17381), female repr :17959), ovary(EMAPA PA:30777), germinal PA:30781)]	roductive oductive :17962), Graafian	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30777>			
	2. ord	er=1 for EMAPA:30777		

Modified Component 199				
ID	EMAPA: 29828	Is Group Term	false	
Name	ductal epitheliur	n of lateral prost	ate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA: 29824[late	al prostatic epit	helium]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAI organ(EMAPA:1624 system(EMAPA:1738 system(EMAPA:1798 gland(EMAPA:1928 lateral prostate prostatic epithel	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic epithelium(EMAPA:29824), ductal epithelium of lateral prostate(EMAPA:29828)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic epithelium(EMAPA:29824), ductal epithelium of lateral prostate(EMAPA:29828)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29824>			
	2. order=1	2. order=1 for EMAPA:29824		

Modified Component 200			
ID	EMAPA:29826	Is Group Term	false
Name	glandular epithel	ium of lateral pro	ostate
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29824[later	al prostatic epit	helium]
Group Parents			
Synonyms	[secretory epithelium]		
Primary Path  Alternate Paths	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic epithelium(EMAPA:29824), glandular epithelium of lateral prostate(EMAPA:29826)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),		

Modified Component 200				
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic epithelium(EMAPA:29824), glandular epithelium of lateral prostate(EMAPA:29826)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29824>  2. order=0 for EMAPA:29824			

Modified Component 201					
ID	EMAPA:31399	Is Group Term	false		
Name	inner medullary f	ibroblast			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:28364[inner	medullary inters	titium]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 inner medullary i	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28364>				
	2. order=0	for EMAPA:28364			

Modified Component 202				
ID	EMAPA:29046	Is Group Term	false	
Name	muscle layer of oviduct			
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:18984[oviduct]			
Group Parents				

Modified Component 202				
Synonyms	[ ]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), muscle layer of oviduct(EMAPA:29046)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), muscle layer of oviduct(EMAPA:29046)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18984>			
	2. order=2	for EMAPA:18984		

Modified Component 203				
ID	EMAPA:29043	Is Group Term	false	
Name	epithelial layer	of oviduct		
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:18984[ovidu	ct]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), epithelial layer of oviduct(EMAPA:29043)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), epithelial layer of oviduct(EMAPA:29043)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18984>			
	2. order=1	for EMAPA:18984		

Modified Component 204				
ID	EMAPA:29830	Is Group Term	false	
Name	lateral prostatic	interstitium		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29822[later	al prostate gland	]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), lateral prostate gland(EMAPA:29822), lateral prostatic interstitium(EMAPA:29830)]			
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),	

Modified Component 204				
	visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 gland(EMAPA:19285 lateral prostate	9), organ system(1APA:16245), reproduction (1), male reproduction (8), male accessor(1), prostate gland(1EMAPA:29822) itium(1EMAPA:29830)	ductive tive Y (EMAPA:19287), ), lateral	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29822>			
	2. order=1	for EMAPA:29822		

Modified Component 205				
ID	EMAPA:29049	Is Group Term	false	
Name	outer layer of ov	riduct	•	
Starts At	TS24 Ends At TS27			
Primary Parents	EMAPA:18984[ovidu	ict]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), outer layer of oviduct(EMAPA:29049)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), outer layer of oviduct(EMAPA:29049)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18984>			
	2. order=3 for EMAPA:18984			

Modified Component 206				
ID	EMAPA:29818	Is Group Term	false	
Name	smooth muscle of	dorsal prostate		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29816[dorsa	l prostatic inter	stitium]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic interstitium(EMAPA:29816), smooth muscle of dorsal prostate(EMAPA:29818)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal			

Modified Component 206			
	prostatic interst of dorsal prostat		), smooth muscle
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29816>		
	2. order=0	for EMAPA:29816	

Modified Component 207				
ID	EMAPA:30797	Is Group Term	false	
Name	vasculature of se	minal vesicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19180[semin	al vesicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), vasculature of seminal vesicle(EMAPA:30797)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), vasculature of seminal vesicle(EMAPA:30797)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:19180>			
	2. order=5	for EMAPA:19180		

Modified Component 208				
ID	EMAPA:30799	Is Group Term	false	
Name	vasculature of ej	aculatory duct		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19088[ejacu	latory duct]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088), vasculature of ejaculatory duct(EMAPA:30799)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088), vasculature of ejaculatory duct(EMAPA:30799)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19088>			
	2. order=2	for EMAPA:19088	-	

Modified Component 209				
ID	EMAPA:30793	Is Group Term	false	
Name	vasculature of du	ctus deferens		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18681[ductu	s deferens]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), vasculature of ductus deferens(EMAPA:30793)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), vasculature of ductus deferens(EMAPA:30793)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), vasculature of ductus deferens(EMAPA:30793)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17368), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), vasculature of ductus deferens(EMAPA:30793)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:18681>			
	2. order=5 for EMAPA:18681			

Modified Component 210			
ID	EMAPA:29810	Is Group Term	false
Name	dorsal prostatic	epithelium	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29808[dorsa	l prostate gland]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic epithelium(EMAPA:29810)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic epithelium(EMAPA:29810)]		

Modified Component 210			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29808>		
	2. order=0	for EMAPA:29808	

Modified Component 211				
ID	EMAPA:30795	Is Group Term	false	
Name	vasculature of ep	ididymis		
Starts At	TS28 Ends At TS28			
Primary Parents	EMAPA:19290[epidi	dymis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), vasculature of epididymis(EMAPA:30795)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), vasculature of epididymis(EMAPA:30795)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:19290>			
	2. order=6 for EMAPA:19290			

Modified Component 212			
ID	EMAPA:29812	Is Group Term	false
Name	glandular epithel	ium of dorsal pro	state
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29810[dorsa	l prostatic epith	elium]
Group Parents			
Synonyms	[secretory epithe	lium]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic epithelium(EMAPA:29810), glandular epithelium of dorsal prostate(EMAPA:29812)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic epithelium(EMAPA:29810), glandular epithelium of dorsal prostate(EMAPA:29812)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29810>		

Modified Componen	t 212	
	2.	order=0 for EMAPA:29810

Modified Component 213			
ID	EMAPA:29814	Is Group Term	false
Name	ductal epithelium	of dorsal prosta	te
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29810[dorsa	l prostatic epith	elium]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic epithelium(EMAPA:29810), ductal epithelium of dorsal prostate(EMAPA:29814)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic epithelium(EMAPA:29810), ductal epithelium of dorsal prostate(EMAPA:29814)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29810>		
	2. order=1	for EMAPA:29810	

Modified Component 214			
ID	EMAPA:30791	Is Group Term	false
Name	vasculature of sc	rotum	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:19296[scrot	um]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), vasculature of scrotum(EMAPA:30791)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), vasculature of scrotum(EMAPA:30791)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), vasculature of scrotum(EMAPA:30791)]		
		omy(EMAPA:0), mou 9), organ system(	

Modified Component 214			
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), vasculature of scrotum(EMAPA:30791)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19296>		
	2. order=3	for EMAPA:19296	

Modified Component 215			
ID	EMAPA:29816	Is Group Term	false
Name	dorsal prostatic	interstitium	
Starts At	TS28 Ends At TS28		
Primary Parents	EMAPA:29808[dorsa	l prostate gland]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic interstitium(EMAPA:29816)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic interstitium(EMAPA:29816)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29808>		
	2. order=1	for EMAPA:29808	

Modified Component 216			
ID	EMAPA:29055	Is Group Term	false
Name	muscular layer of	upper part of va	gina
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:30997[muscu EMAPA:18987[upper	lar layer of vagi part of vagina]	na]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), muscular layer of upper part of vagina(EMAPA:29055)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), muscular layer of vagina(EMAPA:30997), muscular layer of upper part of vagina(EMAPA:29055)]		

Modified Component 216			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), muscular layer of upper part of vagina(EMAPA:29055)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), muscular layer of vagina(EMAPA:30997), muscular layer of upper part of vagina(EMAPA:29055)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18987>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30997>		
	3. order=1 order=1 for EMAPA	for EMAPA:18987 A:30997	

Modified Component 217			
ID	EMAPA:29058	Is Group Term	false
Name	epithelial layer of lower part of vagina		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:18999[lower EMAPA:30991[epith	part of vagina] elium of vagina]	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 part of vagina(EM	r(EMAPA:0), mouse( PA:16103), viscera b), reproductive c1), female reprod c9), vagina(EMAPA: IAPA:18999), epith gina(EMAPA:29058)]	l uctive 18986), lower elial layer of
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of lower part of vagina(EMAPA:29058)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), epithelial layer of lower part of vagina(EMAPA:29058)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of lower part of vagina(EMAPA:29058)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments			ced Component has as order entry <0
			ced Component has as order entry <0

## Modified Component 217 3. order=0 for EMAPA:18999 order=0 for EMAPA:30991

Modified Component 218					
ID	EMAPA:29820	Is Group Term	false		
Name	rest of interstit	ium of dorsal pro	state		
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29816[dorsa	l prostatic inter	stitium]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic interstitium(EMAPA:29816), rest of interstitium of dorsal prostate(EMAPA:29820)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), dorsal prostate gland(EMAPA:29808), dorsal prostatic interstitium(EMAPA:29816), rest of interstitium of dorsal prostate(EMAPA:29820)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29816>				
	2. order=1	for EMAPA:29816			

Modified Component 219				
ID	EMAPA:29052	Is Group Term	false	
Name	epithelial layer	of upper part of	vagina	
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:18987[upper EMAPA:30991[epith			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), epithelial layer of upper part of vagina(EMAPA:29052)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of upper part of vagina(EMAPA:29052)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 part of vagina(EM	omy(EMAPA:0), mou 9), organ system( IAPA:16245), repro 1), female reprod 9), vagina(EMAPA: IAPA:18987), epith ina(EMAPA:29052)]	EMAPA:16103), ductive uctive 18986), upper	

Modified Component 219					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991), epithelial layer of upper part of vagina(EMAPA:29052)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18987>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30991>				
	3. order=0 order=1 for EMAPA	for EMAPA:18987 A:30991			

Modified Component 220				
ID	EMAPA:28759	Is Group Term	false	
Name	epithelial layer	of pelvic urethra	of female	
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:28753[pelvi	c urethra of fema	le]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), epithelial layer of pelvic urethra of female(EMAPA:28759)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), epithelial layer of pelvic urethra of female(EMAPA:28759)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28753>			
	2. order=0	for EMAPA:28753		

Modified Component 221				
ID	EMAPA:28753	Is Group Term	false	
Name	pelvic urethra of	female		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:28747[ureth	ra of female]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753)]			
Alternate Paths	embryo(EMAPA:1603		EMAPA:16103), ry	

Modified Component 221					
	female(EMAPA:28753)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28747>				
	2. order=0	for EMAPA:28747			

Modified Component 222					
ID	EMAPA:28747	Is Group Term	false		
Name	urethra of female				
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:17366[urina	ry system]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:17366>				
	2. order=14	for EMAPA:17366			

Modified Component 223					
ID	EMAPA:28709	Is Group Term	false		
Name	muscle layer of p	elvic urethra of	male		
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:18995[pelvi	c urethra of male	]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), muscle layer of pelvic urethra of male(EMAPA:28709)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), muscle layer of pelvic urethra of male(EMAPA:28709)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18995>				
	2. order=2	for EMAPA:18995			

Modified Component 224				
ID	EMAPA:28703	Is Group Term	false	

Modified Componen	t 224				
Name	mesenchymal	layer	of pelvic	urethr	a of male
Starts At	TS23		Ends At		TS28
Primary Parents	EMAPA:18995	[pelvi	c urethra d	of male	]
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), mesenchymal layer of pelvic urethra of male(EMAPA:28703)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), mesenchymal layer of pelvic urethra of male(EMAPA:28703)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18995>				
	2. or	der=1	for EMAPA:	L8995	

Modified Component 225					
ID	EMAPA:18331	Is Group Term	false		
Name	mediastinum testi	s			
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:17972[testi	s]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), mediastinum testis(EMAPA:18331)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), mediastinum testis(EMAPA:18331)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17972>				
	2. order=6	for EMAPA:17972			

Modified Component 226				
ID	EMAPA:18332	Is Group Term	false	
Name	rete testis			
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA:17972[testis]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 226					
		31), male reproduc 58), testis(EMAPA: 32)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), rete testis(EMAPA:18332)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17972>				
	2. order=1	for EMAPA:17972			

Modified Component 227					
ID	EMAPA:18326	Is Group Term	false		
Name	renal medullary i	nterstitium			
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA:28518[renal EMAPA:19279[renal	interstitium gromedulla]	up]		
Group Parents					
Synonyms	[medullary stroma	.]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal medullary interstitium(EMAPA:18326)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal medullary interstitium(EMAPA:18326)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19279>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:28518>				
	3. order=7 order=2 for EMAPA	for EMAPA:28518 ::19279			

Modified Component 228				
ID	EMAPA:18329	Is Group Term	false	
Name	labial swelling			
Starts At	TS24	Ends At	TS27	

Modified Component 228					
Primary Parents	EMAPA:30984[female EMAPA:17959[female	e external genita e reproductive sy	lia] stem]		
Group Parents					
Synonyms	[labia]				
Primary Path	[Abstract anatomy organ system(EMAPA organ(EMAPA:16245 system(EMAPA:17383 system(EMAPA:1795	A:16103), viscera ), reproductive 1), female reprod	l uctive		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labial swelling(EMAPA:18329)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labial swelling(EMAPA:18329)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labial swelling(EMAPA:18329)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:17959>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:30984>				
	3. order=14 for EMAPA:17959 order=3 for EMAPA:30984				

Modified Component 229					
ID	EMAPA:18328	Is Group Term	false		
Name	Mllerian tubercle				
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:28540[femal structure] EMAPA:	e associated repre 17959[female repre	oductive oductive system]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), Mllerian tubercle(EMAPA:18328)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), Mllerian tubercle(EMAPA:18328)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), Mllerian tubercle(EMAPA:18328)]				

Modified Component 229					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), Mllerian tubercle(EMAPA:18328)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28540>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17959>				
		order=7 for EMAPA	for EMAPA:179 :28540	959	

Modified Component 230				
ID	EMAPA:31409	Is Group Term	false	
Name	rest of inner med	lullary interstiti	um	
Starts At	TS25	Ends At	TS26	
Primary Parents	EMAPA:28364[inner	medullary inters	titium]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), rest of inner medullary interstitium(EMAPA:31409)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), rest of inner medullary interstitium(EMAPA:31409)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), rest of inner medullary interstitium(EMAPA:31409)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), rest of inner medullary interstitium(EMAPA:31409)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28364>			
	2. order=2	for EMAPA:28364		

Modified Component 231					
ID	EMAPA:31404	Is Group Term	false		
Name	resident macrophage of the inner medulla				
Starts At	TS25	Ends At	TS28		

Modified Component 231				
Primary Parents	EMAPA:28364[inner medullary interstitium]			
Group Parents		-		
Synonyms	[renal monocytes	of the inner medu	lla]	
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 inner medullary i	r(EMAPA:0), mouse(1 A:16103), viscera ), urinary system 17373), renal 179), inner medullanterstitium(EMAPA inner medulla(EM	l (EMAPA:17366), a(EMAPA:28349), :28364), resident	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), resident macrophage of the inner medulla(EMAPA:31404)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), resident macrophage of the inner medulla(EMAPA:31404)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), resident macrophage of the inner medulla(EMAPA:31404)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28364>			
	2. order=1	for EMAPA:28364		

Modified Component 232					
ID	EMAPA:27708	Is Group Term	false		
Name	epithelial layer	of ureter			
Starts At	TS20	Ends At	TS20		
Primary Parents	EMAPA:17950[urete	r]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), epithelial layer of ureter(EMAPA:27708)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), epithelial layer of ureter(EMAPA:27708)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17950>				
	2. order=1	for EMAPA:17950			

Modified Componen	t 233	

Modified Component 233					
ID	EMAPA:28765	Is Group Term	false		
Name	mesenchymal layer	of pelvic urethra	a of female		
Starts At	TS23	Ends At	TS28		
Primary Parents	EMAPA:28753[pelvi	c urethra of fema	le]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), mesenchymal layer of pelvic urethra of female(EMAPA:28765)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), mesenchymal layer of pelvic urethra of female(EMAPA:28765)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28753>				
	2. order=1	for EMAPA:28753			

ſ

Modified Component 234				
ID	EMAPA:28771	Is Group Term	false	
Name	muscle layer of p	elvic urethra of	female	
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:28753[pelvi	c urethra of fema	le]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), muscle layer of pelvic urethra of female(EMAPA:28771)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), muscle layer of pelvic urethra of female(EMAPA:28771)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28753>			
	2. order=2	2. order=2 for EMAPA:28753		

Modified Component 235				
ID	EMAPA:19089	Is Group Term	false	
Name	gubernaculum			
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA: 28533[male associated reproductive structure] EMAPA: 17968[male reproductive system]			
Group Parents				

Modified Componer	ut 235	
Synonyms	[caudal suspensory ligament]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), gubernaculum(EMAPA:19089)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), gubernaculum(EMAPA:19089)]	
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), gubernaculum(EMAPA:19089)]	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), gubernaculum(EMAPA:19089)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <18 for EMAPA:17968>	
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28533>	
	3. order=18 for EMAPA:17968 order=2 for EMAPA:28533	

Modified Component 236			
ID	EMAPA:19088	Is Group Term	false
Name	ejaculatory duct		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:17968[male	reproductive syst	em]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <16 for EMAPA:17968>		
	2. order=16	for EMAPA:17968	

Modified Component 237				
ID	EMAPA:19085	Is Group Term	false	
Name	suspensory ligame	suspensory ligament of ovary		
Starts At	TS23	Ends At	TS28	

Modified Componen	t 237			
Primary Parents	EMAPA:17959[female reproductive system]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), suspensory ligament of ovary(EMAPA:19085)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), suspensory ligament of ovary(EMAPA:19085)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17959>			
	2. order=6 for EMAPA:17959			

Modified Component 238				
ID	EMAPA:19087	Is Group Term	false	
Name	appendix testis			
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:17968[male	reproductive syst	em]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), appendix testis(EMAPA:19087)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), appendix testis(EMAPA:19087)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <15 for EMAPA:17968>			
	2. order=15 for EMAPA:17968			

Modified Component 239				
ID	EMAPA:19086	Is Group Term	false	
Name	appendix epididym	is		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:17968[male reproductive system]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), appendix epididymis(EMAPA:19086)]			
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),	

Modified Component 239				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), appendix epididymis(EMAPA:19086)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:17968>			
	2. order=14	for EMAPA:17968		

Modified Component 240			
ID	EMAPA:29882	Is Group Term	false
Name	theca of ruptured	follicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29880[ruptu	red follicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880), theca of ruptured follicle(EMAPA:29882)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880), theca of ruptured follicle(EMAPA:29882)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29880>		
	2. order=2	for EMAPA:29880	

Modified Component 241				
ID	EMAPA:29880	Is Group Term	false	
Name	ruptured follicle			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:17962[ovary	.]		
Group Parents				
Synonyms	[ovulated follicle]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry			

Modified Component 241			
<10 for EMAPA:17962>			
	2. order=10 for EMAPA:17962		

ID	EMAPA:29886	Is Group Term	false			
Name	corpus luteum	•	·			
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:17962[ova	ry]				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), corpus luteum(EMAPA:29886)]				
Alternate Paths	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), corpus luteum(EMAPA:29886)]				
Rule Status	PASSED	PASSED Edit Status CHANGED				
Comments	no order entrie	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17962>				
	2. order=	2. order=11 for EMAPA:17962				

Modified Componer	nt 243			
ID	EMAPA:29884	Is Group Term	false	
Name	germinal cell of	ruptured follicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29880[ruptu	red follicle]		
Group Parents				
Synonyms	[granulosa]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880), germinal cell of ruptured follicle(EMAPA:29884)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ruptured follicle(EMAPA:29880), germinal cell of ruptured follicle(EMAPA:29884)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29880>			
	2. order=0	for EMAPA:29880		

Modified Component 244					
ID	EMAPA:29878	Is Group Term	false		

Modified Component 244					
Name	apoptotio	germina	ıl cell		
Starts At	TS28 Ends At TS28				TS28
Primary Parents	EMAPA: 298	374[atret	ic follicle	]	
Group Parents					
Synonyms	[apoptoti	ic granul	osa]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874), apoptotic germinal cell(EMAPA:29878)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874), apoptotic germinal cell(EMAPA:29878)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29874>				
	2. order=1 for EMAPA:29874				

Modified Component 245					
ID	EMAPA:29876	Is Group Term	false		
Name	oocyte of atretic	follicle			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29874[atret	ic follicle]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874), oocyte of atretic follicle(EMAPA:29876)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874), oocyte of atretic follicle(EMAPA:29876)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29874>				
	2. order=0	for EMAPA:29874			

Modified Component 246				
ID	EMAPA:27721	Is Group Term	false	
Name	nephrogenic zone			
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA:17373[metanephros]			
Group Parents				
		<u> </u>	-	

Modified Component 246					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17373>				
	2. order=1	for EMAPA:17373			

Modified Component 247					
ID	EMAPA:31469	Is Group Term	true		
Name	small blood vesse	els			
Starts At	TS23	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17373[metan	ephros]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <27 for EMAPA:17373>				
	2. order=27	for EMAPA:17373			

Modified Component 248					
ID	EMAPA:29897	Is Group Term	false		
Name	infundibulum				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:18984[ovidu	ct]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897)]				

Modified Component 248					
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18984>				
	2. order=0	for EMAPA:18984			

Modified Component 249					
ID	EMAPA:31450	Is Group Term	true		
Name	renal venous syst	em			
Starts At	TS23	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17366[urina	ry system]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <26 for EMAPA:17366>				
	2. order=26	for EMAPA:17366			

Modified Component 250					
ID	EMAPA: 29888 Is Group Term false				
Name	corpus albicans				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:17962[ovary	]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), corpus albicans(EMAPA:29888)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), corpus albicans(EMAPA:29888)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:17962>				
	2. order=13	for EMAPA:17962	-		

Modified Component 251				
ID	EMAPA:27711	Is Group Term	false	
Name	ureteral mesenchyme			

Modified Component 251					
Starts At	TS20	TS20 Ends At TS24			
Primary Parents	EMAPA:17950[urete	r]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17950>				
	2. order=4	for EMAPA:17950			

Modified Component 252				
ID	EMAPA:29864	Is Group Term	false	
Name	oocyte of seconda	ry follicle		
Starts At	TS28	TS28 Ends At TS28		
Primary Parents	EMAPA:29862[secon	dary follicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), oocyte of secondary follicle(EMAPA:29864)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), oocyte of secondary follicle(EMAPA:29864)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29862>			
	2. order=0	for EMAPA:29862		

Modified Component 253					
ID	EMAPA: 29862 Is Group Term false				
Name	secondary follicl	е			
Starts At	TS28	TS28 Ends At TS28			
Primary Parents	EMAPA:17962[ovary]				
Group Parents					
Synonyms	[antral follicle]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive				

Modified Component 253					
		system(EMAPA:17959), ovary(EMAPA:17962), secondary			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17962>				
	2.	order=7	for EMAPA:179	962	

Modified Componer	1		
ID	EMAPA: 29860   Is Group Term   false		
Name	rest of glans pen	iis	1
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:18988[glans	penis]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), rest of glans penis(EMAPA:29860)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), rest of glans penis(EMAPA:29860)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), rest of glans penis(EMAPA:29860)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), rest of glans penis(EMAPA:29860)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:18988>		
	2. order=4	for EMAPA:18988	

Modified Component 255			
ID	EMAPA:31488	Is Group Term	false
Name	spermatozoan		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:31476[Seminiferous tubule]		

Modified Componen	t 255		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatozoan(EMAPA:31488)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatozoan(EMAPA:31488)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:31476>		
	2. order=4 for EMAPA:31476		

Modified Component 256				
ID	EMAPA:29858	Is Group Term	false	
Name	epithelial layer	of glans penis		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18988[glans	penis]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 penis(EMAPA:18988	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), epithelial layer of glans penis(EMAPA:29858)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), epithelial layer of glans penis(EMAPA:29858)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), epithelial layer of glans			
	penis(EMAPA:29858)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), epithelial layer of glans penis(EMAPA:29858)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differer no order entries; for EMAPA:18988>	no order entries; This Component has order entry <0		
	2. order=0	for EMAPA:18988		

Modified Component 257			
ID	EMAPA:31486		
Name	spermatid		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:31476[Semin	iferous tubule]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatid(EMAPA:31486)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatid(EMAPA:31486)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:31476>		
	2. order=3 for EMAPA:31476		

Modified Componer	Modified Component 258			
ID	EMAPA: 29856			
Name	corpus spongiosum	l		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18988[glans	penis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), corpus spongiosum(EMAPA:29856)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), corpus spongiosum(EMAPA:29856)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988), corpus spongiosum(EMAPA:29856)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988), corpus spongiosum(EMAPA:29856)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h	ced Component has as order entry <2	

Modified Componen	t 258	
	2.	order=2 for EMAPA:18988

Modified Component 259				
ID	EMAPA:31484	Is Group Term	false	
Name	spermatocyte			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:31476[Semin	iferous tubule]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatocyte(EMAPA:31484)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatocyte(EMAPA:31484)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:31476>			
	2. order=2	for EMAPA:31476		

Modified Componer	7	1		
ID	EMAPA:29854	Is Group Term	false	
Name	rest of crus peni	S		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19294[crus	penis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), rest of crus penis(EMAPA:29854)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), rest of crus penis(EMAPA:29854)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), rest of crus penis(EMAPA:29854)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive			

Modified Component 260				
	system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), rest of crus penis(EMAPA:29854)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:19294>			
	2. order=4	for EMAPA:19294		

Modified Component 261					
ID	EMAPA:31482   Is Group Term   false				
Name	spermatogonium				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:31476[Semin	iferous tubule]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatogonium(EMAPA:31482)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), spermatogonium(EMAPA:31482)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31476>				
	2. order=1	for EMAPA:31476			

Modified Component 262					
ID	EMAPA: 27749	Is Group Term	false		
Name	ureteric tip				
Starts At	TS21	Ends At	TS28		
Primary Parents	EMAPA:28477[primi EMAPA:27721[nephr EMAPA:28407[colle		uct group]		
Group Parents					
Synonyms	[ureteric ampulla	.]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), ureteric tip(EMAPA:27749)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct group(EMAPA:28477), ureteric tip(EMAPA:27749)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric tip(EMAPA:27749)]				

Modified Component 262						
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), ureteric tip(EMAPA:27749)]				65), ,	
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct group(EMAPA:28477), ureteric tip(EMAPA:27749)]					
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric tip(EMAPA:27749)]					
Rule Status	PASSED		Edit Status		CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28407>					
	2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28477>					
	3. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27721>					
	4. order=0 order=0	for EMAP		721		

Modified Component 263					
ID	EMAPA:27742	Is Group Term	false		
Name	pretubular aggreg	ate			
Starts At	TS21	Ends At	TS28		
Primary Parents	EMAPA: 27721 [ nephr	ogenic zone]			
Group Parents					
Synonyms	[pretubular conde	ensate]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), pretubular aggregate(EMAPA:27742)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), pretubular aggregate(EMAPA:27742)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27721>				
	2. order=2	for EMAPA:27721			

Modified Component 264				
ID	EMAPA:29872	Is Group Term	false	
Name	theca of secondary follicle			
Starts At	TS28	Ends At	TS28	

Modified Componer	nt 264				
Primary Parents	EMAPA:29862[secondary follicle]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), theca of secondary follicle(EMAPA:29872)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), theca of secondary follicle(EMAPA:29872)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA: 29862>				
	2. order=2 for EMAPA:29862				

Modified Component 265				
ID	EMAPA:31480	Is Group Term	false	
Name	peritubular myoid	l cell	•	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:31476[Semir	niferous tubule]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), peritubular myoid cell(EMAPA:31480)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), peritubular myoid cell(EMAPA:31480)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:31476>			
	2. order=5	for EMAPA:31476		

Modified Component 266					
ID	EMAPA:29874	Is Group Term	false		
Name	atretic follicle				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:17962[ovary]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral				

Modified Component 266					
	organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), atretic follicle(EMAPA:29874)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:17962>				
	2. order=12	for EMAPA:17962			

Modified Component 267			
ID	EMAPA:29870	Is Group Term	false
Name	mural		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29866[folli	cle cell of secon	dary follicle]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), follicle cell of secondary follicle(EMAPA:29866), mural(EMAPA:29870)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), follicle cell of secondary follicle(EMAPA:29866), mural(EMAPA:29870)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	
	2. order=1	for EMAPA:29866	

Modified Component 268				
ID	EMAPA:31476	Is Group Term	false	
Name	Seminiferous tubu	le		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:17972[testi	s]		
Group Parents				
Synonyms	[ ]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476)]			
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	omy(EMAPA:0), mous 9), organ system(1 APA:16245), reprod 1), male reproduct 8), testis(EMAPA:	EMAPA:16103), ductive tive	

Modified Component 268				
	Seminiferous tu	bule(EMAPA:31476)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments		ent Order - Referer s; This Component h >		
	2. order=	5 for EMAPA:17972		

Modified Component 269			
ID	EMAPA:31478	Is Group Term	false
Name	Sertoli cell		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:31476[Semin	iferous tubule]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), Sertoli cell(EMAPA:31478)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), Seminiferous tubule(EMAPA:31476), Sertoli cell(EMAPA:31478)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31476>		
	2. order=0	for EMAPA:31476	

Modified Component 270				
ID	EMAPA:29866	Is Group Term	false	
Name	follicle cell of	follicle cell of secondary follicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29862[secon	dary follicle]		
Group Parents				
Synonyms	[granulosa cell o	f secondary folli	cle]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), follicle cell of secondary follicle(EMAPA:29866)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), follicle cell of secondary follicle(EMAPA:29866)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h	ced Component has as order entry <1	

Modified Component	t 270	
	2.	order=1 for EMAPA:29862

Modified Component 271			
ID	EMAPA: 29868	Is Group Term	false
Name	cumulus		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29866[folli	cle cell of second	dary follicle]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 follicle(EMAPA:29 follicle(EMAPA:29	1), female reprod 9), ovary(EMAPA:1 862), follicle ce 866), cumulus(EMA	l uctive 7962), secondary ll of secondary PA:29868)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), secondary follicle(EMAPA:29862), follicle cell of secondary follicle(EMAPA:29866), cumulus(EMAPA:29868)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	
	2. order=0	for EMAPA:29866	

Modified Component 272			
ID	EMAPA:27735	Is Group Term	false
Name	cap mesenchyme		
Starts At	TS21	Ends At	TS28
Primary Parents	EMAPA:27721[nephr	ogenic zone]	
Group Parents			
Synonyms	[condensed mesenc	hyme]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), cap mesenchyme(EMAPA:27735)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), cap mesenchyme(EMAPA:27735)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 27721>		
	2. order=1 for EMAPA:27721		

Modified Component 273					
ID	ID EMAPA: 27770 Is Group Term false				
Name	capillary loop renal corpuscle				
Starts At	TS21	Ends At	TS21		

Modified Component 273			
Primary Parents	EMAPA:17954[early nephron GROUP] EMAPA:17373[metanephros]		
Group Parents			
Synonyms	[renal corpuscle of the stage III nephron]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770)		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17373>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17954>		
	3. order=10 for EMAPA:17373 order=7 for EMAPA:17954		

Modified Component 274			
ID	EMAPA:27772	Is Group Term	false
Name	visceral epitheli	um	
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:27770[capil	lary loop renal co	orpuscle]
Group Parents			
Synonyms	[podocyte layer]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), visceral epithelium(EMAPA:27772)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), visceral epithelium(EMAPA:27772)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), visceral epithelium(EMAPA:27772)]		
	embryo(EMAPA:1603	omy(EMAPA:0), mou: 9), organ system(1 APA:16245), urina:	EMAPA:16103),

Modified Component 274				
	<pre>system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), visceral epithelium(EMAPA:27772)]</pre>			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA: 27770>			
	2. order=4	for EMAPA:27770		

Modified Component 275					
ID	EMAPA: 27774	Is Group Term	false		
Name	parietal epitheli	um			
Starts At	TS21	Ends At	TS21		
Primary Parents	EMAPA:27770[capil	lary loop renal c	orpuscle]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), parietal epithelium(EMAPA:27774)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), parietal epithelium(EMAPA:27774)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:173766), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), parietal epithelium(EMAPA:27774)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), parietal epithelium(EMAPA:27774)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27770>				
	2. order=1	for EMAPA:27770			

Modified Component 276				
ID	EMAPA:31426	Is Group Term	false	
Name	periarterial fibr	oblasts of cortex		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:31288[renal cortical fibroblasts]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical			

Modified Component 276					
	<pre>interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), periarterial fibroblasts of cortex(EMAPA:31426)]</pre>				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), periarterial fibroblasts of cortex(EMAPA:31426)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), periarterial fibroblasts of cortex(EMAPA:31426)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), periarterial fibroblasts of cortex(EMAPA:31426)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31288>				
	2. order=0 for EMAPA:31288				

Modified Component 277					
ID	EMAPA: 27764	Is Group Term	false		
Name	proximal segment	of s-shaped body	•		
Starts At	TS21	Ends At	TS21		
Primary Parents	EMAPA:27756[s-sha	iped body]			
Group Parents					
Synonyms	[lower limb of s-	shaped body]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Differen	it Order - Referen	ced Component has		

Modified Component 277								
		entries; A:27756>	Thi	s Component	has	order	entry	<3
	2.	order=3	for	EMAPA: 27756				

Modified Component 278					
ID	EMAPA:31424	Is Group Term	false		
Name	peritubular fibro	blasts of cortex			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:31288[renal	cortical fibrobl	asts]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), peritubular fibroblasts of cortex(EMAPA:31424)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), peritubular fibroblasts of cortex(EMAPA:31424)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), peritubular fibroblasts of cortex(EMAPA:31424)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), peritubular fibroblasts of cortex(EMAPA:31424)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31288>				
	2. order=1	for EMAPA:31288			

Modified Component 279				
ID	EMAPA:27766	Is Group Term	false	
Name	visceral epitheli	um		
Starts At	TS21	TS21 Ends At TS21		
Primary Parents	EMAPA:27764[proximal segment of s-shaped body]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), visceral			

Modified Component 279				
	epithelium(EMAPA:	27766)]		
Alternate Paths	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA GROUP(EMAPA:17954 proximal segment	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), visceral epithelium(EMAPA:27766)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), visceral epithelium(EMAPA:27766)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), visceral epithelium(EMAPA:27766)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27764>			
	2. order=0	for EMAPA:27764		

Modified Component 280					
ID	EMAPA: 27768	Is Group Term	false		
Name	parietal epithel:	ium			
Starts At	TS21	Ends At	TS21		
Primary Parents	EMAPA: 27764[prox:	imal segment of s-	shaped body]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), parietal epithelium(EMAPA:27768)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), parietal epithelium(EMAPA:27768)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), parietal epithelium(EMAPA:27768)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), proximal segment of s-shaped body(EMAPA:27764), parietal epithelium(EMAPA:27768)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Differen	nt Order - Referen	ced Component has		

Modified Component 280								
		entries; A:27764>	Thi	s Component	has	order	entry	<1
	2.	order=1	for	EMAPA: 27764				

Modified Component 281					
ID	EMAPA:31428	Is Group Term	false		
Name	peritubular fibro	blasts of outer me	edulla		
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:31384[outer	medullary fibrob	last]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 outer medullary i medullary fibrobl	(EMAPA:0), mouse(1A:16103), visceral), urinary system(17373), renal(79), outer medullanterstitium(EMAPA) ast(EMAPA:31384), ter medulla(EMAPA)	l (EMAPA:17366), a(EMAPA:28310), :28337), outer peritubular		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384), peritubular fibroblasts of outer medulla(EMAPA:31428)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384), peritubular fibroblasts of outer medulla(EMAPA:31428)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384), peritubular fibroblasts of outer medulla(EMAPA:31428)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments		t Order - Reference This Component ha			
	2. order=1	for EMAPA:31384			

Modified Component 282				
ID	EMAPA:27762	Is Group Term	false	
Name	medial segment of	s-shaped body		
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:27756[s-shaped body]			
Group Parents				
Synonyms	[mid-portion of s-shaped body]			
	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), medial segment of s-shaped			

7

Γ

Modified Componen	ut 282
	body(EMAPA: 27762)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), medial segment of s-shaped body(EMAPA:27762)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), medial segment of s-shaped body(EMAPA:27762)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), medial segment of s-shaped body(EMAPA:27762)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA: 27756>
	2. order=2 for EMAPA:27756

Modified Component 283				
ID	EMAPA:27760	Is Group Term	false	
Name	distal segment of	f s-shaped body		
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA: 27756[s-sha	aped body]		
Group Parents				
Synonyms	[upper limb of s	-shaped body]		
Primary Path	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA) body(EMAPA:27756	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), distal segment of s-shaped body(EMAPA:27760)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), distal segment of s-shaped body(EMAPA:27760)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:0), mouse(EMAPA:16039), organ system(EMAPA:visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:1shaped body(EMAPA:27756), distal segment shaped body(EMAPA:27760)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), distal segment of s-shaped body(EMAPA:27760)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		no order entries; This Component has order entry <1		
	2. order=1	for EMAPA:27756		

Modified Component 204				
Modified Component 284				
ID	EMAPA:27756	Is Group Term	false	
Name	s-shaped body			
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:17954[early EMAPA:17373[metan			
Group Parents				
Synonyms	[stage II nephron	.]		
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17954>			
	2. Different Order - Referenced Component has order entries; This Component has order entry for EMAPA:17373>			
	3. order=9 order=5 for EMAPA	for EMAPA:17373 :17954		

Modified Component 285				
ID	EMAPA:31414	Is Group Term	true	
Name	medullary renal t	ubule		
Starts At	TS22	Ends At	TS24	
Primary Parents				
Group Parents	EMAPA:28049[immat	ure loop of Henle	]	
Synonyms	[]	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414)]			
	embryo(EMAPA:1603 visceral organ(EM	omy(EMAPA:0), mou 9), organ system( APA:16245), urina 6), metanephros(E	EMAPA:16103), ry	

Modified Component 285					
	stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28049>				
	2. order=3	for EMAPA:28049			

Modified Component 286					
ID	EMAPA:31418				
Name	rest of medullary	renal tubule			
Starts At	TS24	Ends At	TS24		
Primary Parents	EMAPA:28049[immat	ure loop of Henle	]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), rest of medullary renal tubule(EMAPA:31418)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), rest of medullary renal tubule(EMAPA:31418)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), rest of medullary renal tubule(EMAPA:31418)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), rest of medullary renal tubule(EMAPA:31418)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA: 28049>				
	2. order=2	for EMAPA:28049			

Modified Component 287				
ID	EMAPA: 27758	Is Group Term	false	
Name	renal connecting tubule of s-shaped body			
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:27756[s-shaped body]			

Modified Component 287			
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), renal connecting tubule of s-shaped body(EMAPA:27758)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), renal connecting tubule of s-shaped body(EMAPA:27758)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), s-shaped body(EMAPA:27756), renal connecting tubule of s-shaped body(EMAPA:27758)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27756), renal connecting tubule of s-shaped body(EMAPA:27758)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA: 27756>		
	2. order=0 for EMAPA:27756		

Modified Component 288			
ID	EMAPA: 27794	Is Group Term	false
Name	developing vascul	ature of metaneph	ros
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:31563[devel system GROUP] EMA EMAPA:28457[renal	oping vasculature APA:17373[metaneph vasculature]	of urinary ros]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), developing vasculature of metanephros(EMAPA:27794)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), developing vasculature of metanephros(EMAPA:27794)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature of metanephros(EMAPA:27794)		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature of metanephros(EMAPA:27794)]		
	4. [Abstract anat	comy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 288				
	<pre>embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), developing vasculature of metanephros(EMAPA:27794)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature metanephros(EMAPA:27794)]</pre>			
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), developing vasculature emetanephros(EMAPA:27794)]  7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), developing vasculature of metanephros(EMAPA:27794)			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:17373>			
	2. order=13	for EMAPA:17373		

Modified Compone	ent 289			
ID	EMAPA: 27790	Is Group Term	false	
Name	renal connecting	renal connecting tubule		
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:27782[rena	l tubule]		
Group Parents				
Synonyms	[renal connectin	g tubule of capil	lary loop nephron	
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP tubule(EMAPA:277	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), renal connecting tubule(EMAPA:27790)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), renal connecting tubule(EMAPA:27790)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), renal connecting tubule(EMAPA:27790)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), renal connecting tubule(EMAPA:27790)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27782>		

Modified Compo	nent 290			
ID	EMAPA:30711	Is Group Term	false	
Name	preputial glan	d of female		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:30699[pr	epuce of female]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 female(EMAPA:1 female(EMAPA:3	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), preputial gland of female(EMAPA:30711)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproduct structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), preputial gland of female(EMAPA:30711)]			
	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 genitalia(EMAPA:1 female(EMAPA:1	natomy(EMAPA:0), MAPA:16103), vis 245), reproducti 7381), female re 7959), female ex A:30984), genita 8680), prepuce o 0699), preputial	ceral ve productive ternal l tubercle of f	65),
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 female(EMAPA:1	natomy(EMAPA:0), 6039), organ sys (EMAPA:16245), r 7381), female re 7959), genital t 8680), prepuce o 0699), preputial 0711)]	tem(EMAPA:16103) eproductive productive ubercle of f	65),
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 structure(EMAPA:1 female(EMAPA:1	natomy(EMAPA:0), 6039), organ sys (EMAPA:16245), r 7381), female re 7959), female as A:28540), genita 8680), prepuce o 0699), preputial 0711)]	tem(EMAPA:16103) eproductive productive sociated reprodu l tubercle of f	,
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), preputial gland of female(EMAPA:30711)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entri for EMAPA:3069	rent Order - Ref es; This Compone 9> =1 for EMAPA:306	nt has order ent	

Modified Component 291					
ID	EMAPA:30715	Is Group Term	false		
Name	mesenchyme of g	mesenchyme of glans clitoris			
Starts At	TS25 Ends At TS27				
Primary Parents	EMAPA:19170[glans clitoris]				
Group Parents					
Synonyms	[1]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), mesenchyme of glans clitoris(EMAPA:30715)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17389), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), mesenchyme of glans clitoris(EMAPA:30715)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), mesenchyme of glans clitoris(EMAPA:30715)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), mesenchyme of glans clitoris(EMAPA:30715)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), mesenchyme of glans clitoris(EMAPA:30715)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), mesenchyme of glans clitoris(EMAPA:30715)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	no order entrie	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19170>			
	2. order=	1 for EMAPA:1917	0		

Modified Component 292				
ID	EMAPA:27786	Is Group Term	false	
Name	anlage of the loop of Henle			
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:27782[renal tubule]			
Group Parents				

Modified Component 292				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), anlage of the loop of Henle(EMAPA:27786)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), anlage of the loop of Henle(EMAPA:27786)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), anlage of the loop of Henle(EMAPA:27786)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), anlage of the loop of Henle(EMAPA:27786)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27782>			
	2. order=1 for EMAPA:27782			

Modified Component 293				
ID	EMAPA: 27788	Is Group Term	false	
Name	early distal tubule			
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:27782[renal	tubule]		
Group Parents				
Synonyms	[early distal tub	oule of capillary	loop nephron ]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), early distal tubule(EMAPA:27788)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), early distal tubule(EMAPA:27788)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), early distal tubule(EMAPA:27788)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), early distal tubule(EMAPA:27788)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differer	nt Order - Referen	ced Component has	

Modified Component 293								
		entries; A:27782>	Thi	s Component	has	order	entry	<2
	2.	order=2	for	EMAPA: 27782				

Walisia I Camanan to 204					
Modified Componer	odified Component 294				
ID	EMAPA:31443	Is Group Term	true		
Name	renal capillaries				
Starts At	TS23	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17373[metan	ephros]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal capillaries(EMAPA:31443)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal capillaries(EMAPA:31443)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <28 for EMAPA:17373>				
	2. order=28 for EMAPA:17373				

Modified Component 295				
ID	EMAPA:29899	Is Group Term	false	
Name	epithelial layer	of infundibulum		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29897[infun	dibulum]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), epithelial layer of infundibulum(EMAPA:29899)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), infundibulum(EMAPA:29897), epithelial layer of infundibulum(EMAPA:29899)]			
Rule Status	PASSED Edit Status CHANGED			
Comments		t Order - Referend This Component ha		
	2. order=0	for EMAPA:29897		

Modified Component 296				
ID	EMAPA:27784	Is Group Term	false	
Name	early proximal tubule			

Modified Component 296				
Starts At	TS21 Ends At TS21			
Primary Parents	EMAPA:27782[renal tubule]			
Group Parents				
Synonyms	[early proximal tubule of capillary loop nephron]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), early proximal tubule(EMAPA:27784)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), early proximal tubule(EMAPA:27784)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782), early proximal tubule(EMAPA:27784)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782), early proximal tubule(EMAPA:27784)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27782>			
	2. order=0 for EMAPA:27782			

Modified Component 297				
ID	EMAPA:30707	Is Group Term	false	
Name	prepuce surface e	pithelium of fema	le	
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:30699[prepu	ce of female]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce surface epithelium of female(EMAPA:30707)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce surface epithelium of female(EMAPA:30707)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female external genitalia(EMAPA:30984), genital tubercle of			

Modified Component 297				
	<pre>female(EMAPA:30699), prepuce surface epithelium of female(EMAPA:30707)]</pre>			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce surface epithelium of female(EMAPA:30707)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce surface epithelium of female(EMAPA:30707)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce surface epithelium of female(EMAPA:30707)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30699>			
	2. order=0 for EMAPA:30699			

Modified Component 298			
ID	EMAPA:27782	Is Group Term	false
Name	renal tubule		
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:17954[early EMAPA:17373[metan		
Group Parents			
Synonyms	[renal tubule of	capillary loop ne	phron ]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal tubule(EMAPA:27782)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal tubule(EMAPA:27782)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17373>		

Modified Component 298				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17954>			
	3. order=11 for EMAPA:17373 order=11 for EMAPA:17954			

	EMADA : 27700	T	false	
ID	EMAPA: 27780	Is Group Term		
Name		othelium of renal		
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA: 27770 [cap EMAPA: 28457 [ren	illary loop renal al vasculature]	corpuscle]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA corpuscle(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), presumptive endothelium of renal corpuscle(EMAPA:27780)]		
Alternate Paths	organ system(EM organ(EMAPA:162 developing vasc GROUP(EMAPA:315 presumptive end corpuscle(EMAPA  2. [Abstract an organ system(EM organ(EMAPA:162	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), presumptive endothelium of renal corpuscle(EMAPA:27780)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), presumptive		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), presumptive endothelium renal corpuscle(EMAPA:27780)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), presumptive endotheliu of renal corpuscle(EMAPA:27780)]			
	5. [Abstract an embryo(EMAPA:16 visceral organ(system(EMAPA:17 vasculature(EMA	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), presumptive endothelium of renal corpuscle(EMAPA:27780)]		
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), presumptive endothelium of renal corpuscle(EMAPA:27780)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 early nephron G renal corpuscle	atomy(EMAPA:0), m 039), organ syste EMAPA:16245), uri 366), metanephros ROUP(EMAPA:17954) (EMAPA:27770), pr renal corpuscle(E	nary (EMAPA:17373), , capillary loop esumptive	
Rule Status	PASSED	Edit Status	CHANGED	

Modified Component 299			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27770>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28457>		
	3. order=2 for EMAPA:27770 order=3 for EMAPA:28457		

Modified Component 300			
ID	EMAPA:18323	Is Group Term	false
Name	urachus		
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urachus(EMAPA:18323)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urachus(EMAPA:18323)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17366>		
	2. order=11 for EMAPA:17366		

Modified Component 301			
ID	EMAPA:30703	Is Group Term	false
Name	prepuce mesenchym	e of female	
Starts At	TS25	Ends At	TS27
Primary Parents	EMAPA:30699[prepu	ce of female]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce mesenchyme of female(EMAPA:30703)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce mesenchyme of female(EMAPA:30703)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), prepuce of		

Modified Component 301				
	<pre>female(EMAPA:30699), prepuce mesenchyme of female(EMAPA:30703)]</pre>			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce mesenchyme of female(EMAPA:30703)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce mesenchyme of female(EMAPA:30703)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), prepuce of female(EMAPA:30699), prepuce mesenchyme of female(EMAPA:30703)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30699>			
	2. order=2 for EMAPA:30699			

Modified Component 302				
ID	EMAPA: 27778	Is Group Term	false	
Name	presumptive mesan	gium		
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:27770[capil	lary loop renal c	orpuscle]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), presumptive mesangium(EMAPA:27778)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), presumptive mesangium(EMAPA:27778)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), presumptive mesangium(EMAPA:27778)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), presumptive mesangium(EMAPA:27778)]			
Rule Status	PASSED Edit Status CHANGED			

Modified Component 302				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27770>			
	2. order=3 for EMAPA:27770			

Modified Component 303			
ID	EMAPA:31436	Is Group Term	true
Name	renal arterial sy	rstem	
Starts At	TS23	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:17366[urina	ry system]	
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <25 for EMAPA:17366>		
	2. order=25 for EMAPA:17366		

Modified Component 304			
ID	EMAPA:27776	Is Group Term	false
Name	associated inters	stitium	
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:27770[capil	lary loop renal c	orpuscle]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	r(EMAPA:0), mouse( PA:16103), viscera b), urinary system 1:17373), capillar 17770), associated PA:27776)]	l (EMAPA:17366), y loop renal
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), associated interstitium(EMAPA:27776)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), capillary loop renal corpuscle(EMAPA:27770), associated interstitium(EMAPA:27776)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), associated interstitium(EMAPA:27776)]		

Modified Component 304				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27770>			
	2. order=0	for EMAPA:27770		

Modified Component 305				
ID	EMAPA:18321	Is Group Term	false	
Name	bladder			
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:17366[urina	ry system]		
Group Parents				
Synonyms	[]	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17366>			
	2. order=10 for EMAPA:17366			

Modified Component 306			
ID	EMAPA:31432	Is Group Term	false
Name	peritubular fibro	blasts of inner m	edulla
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:31399[inner	medullary fibrob	last]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399), peritubular fibroblasts of inner medulla(EMAPA:31432)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399), peritubular fibroblasts of inner medulla(EMAPA:31432)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399), peritubular fibroblasts of inner medulla(EMAPA:31432)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),		

Modified Component 306				
	system(EMAPA:1736 renal medulla(EMA medulla(EMAPA:283 interstitium(EMAP	49), inner medulla A:28364), inner m 31399), peritubula	MĀPA:17373), ary edullary	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31399>			
	2. order=1	for EMAPA:31399		

Modified Component 307				
ID	EMAPA:31434	Is Group Term	false	
Name	periarterial fibroblasts of inner medulla			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:31399[inner	medullary fibrob	last]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399), periarterial fibroblasts of inner medulla(EMAPA:31434)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399), periarterial fibroblasts of inner medulla(EMAPA:31434)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399), periarterial fibroblasts of inner medulla(EMAPA:31434)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364), inner medullary fibroblast(EMAPA:31399), periarterial fibroblasts of inner medulla(EMAPA:31434)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h		
	2. order=0	for EMAPA:31399		

Modified Component 308				
ID	EMAPA:31430	Is Group Term	false	
Name	periarterial fibroblasts of outer medulla			
Starts At	TS28	Ends At	TS28	

Modified Component 308				
Primary Parents	EMAPA:31384[outer medullary fibroblast]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384), periarterial fibroblasts of outer medulla(EMAPA:31430)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384), periarterial fibroblasts of outer medulla(EMAPA:31430)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384), periarterial fibroblasts of outer medulla(EMAPA:31430)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary interstitium(EMAPA:28337), outer medullary fibroblast(EMAPA:31384), periarterial fibroblasts of outer medulla(EMAPA:31430)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31384>			
	2. order=0 for EMAPA:31384			

Modified Componer	t 309			
ID	EMAPA:30429	Is Group Term	false	
Name	surface epitheliu female	surface epithelium of labioscrotal swelling of		
Starts At	TS22	Ends At	TS23	
Primary Parents	EMAPA:30423[labio	scrotal swelling	of female]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labioscrotal swelling of female(EMAPA:30423), surface epithelium of labioscrotal swelling of female(EMAPA:30429)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labioscrotal swelling of female(EMAPA:30423), surface epithelium of labioscrotal swelling of female(EMAPA:30429)]			
		omy(EMAPA:0), mou 9), organ system(		

Modified Component 309				
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labioscrotal swelling of female(EMAPA:30423), surface epithelium of labioscrotal swelling of female(EMAPA:30429)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labioscrotal swelling of female(EMAPA:30423), surface epithelium of labioscrotal swelling of female(EMAPA:30429)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30423>			
	2. order=0	for EMAPA:30423		

Modified Component 310				
ID	EMAPA:30426	Is Group Term	false	
Name	mesenchyme of 1	abioscrotal swelli:	ng of female	
Starts At	TS22	Ends At	TS23	
Primary Parents	EMAPA:30423[lab	ioscrotal swelling	of female]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 female(EMAPA:30	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labioscrotal swelling of female(EMAPA:30423), mesenchyme of labioscrotal swelling of female(EMAPA:30426)]		
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA female(EMAPA:30	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labioscrotal swelling of female(EMAPA:30423), mesenchyme of labioscrotal swelling of female(EMAPA:30426)]		
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 female(EMAPA:30 swelling of fem 3. [Abstract an	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labioscrotal swelling of female(EMAPA:30423), mesenchyme of labioscrotal swelling of female(EMAPA:30426)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),		
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labioscrotal swelling of female(EMAPA:30423), mesenchyme of labioscrotal swelling of female(EMAPA:30426)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entrie	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30423>		
	2. order=	1 for EMAPA:30423		

Modified Component 311				
ID	EMAPA:30423	Is Group Term	false	
		•	•	

Modified Component 311						
Name	labioscrotal swelling of female					
Starts At	TS22		Ends At		TS23	
Primary Parents	EMAPA:3098 EMAPA:1795	EMAPA:30984[female external genitalia] EMAPA:17959[female reproductive system]				
Group Parents						
Synonyms	[]					
Primary Path	organ syst organ(EMAF system(EMAF	em(EMAP A:16245 PA:1738 PA:1795	A:16103), v ), reproduct 1), female 9), labiosc	riscera tive reprod		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labioscrotal swelling of female(EMAPA:30423)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labioscrotal swelling of female(EMAPA:30423)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labioscrotal swelling of female(EMAPA:30423)]					
Rule Status	PASSED		Edit Status		CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <15 for EMAPA:17959>					
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30984>					
	3. corder=2 fc		for EMAPA: :30984	17959		

Modified Component 312				
ID	EMAPA:16103	Is Group Term	false	
Name	organ system			
Starts At	TS11	Ends At	TS28	
Primary Parents	EMAPA:25765[mouse	EMAPA:16039[emb	ryo]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h		
	2. order=0	for EMAPA:25765		

Modified Component 313				

Modified Component 313				
ID	EMAPA:30433	Is Group Term	false	
Name	mesenchymal layer of labial swelling			
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:18329[labia	l swelling]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labial swelling(EMAPA:18329), mesenchymal layer of labial swelling(EMAPA:30433)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labial swelling(EMAPA:18329), mesenchymal layer of labial swelling(EMAPA:30433)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labial swelling(EMAPA:18329), mesenchymal layer of labial swelling(EMAPA:30433)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labial swelling(EMAPA:18329), mesenchymal layer of labial swelling(EMAPA:30433)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18329>			
	2. order=1	for EMAPA:18329		

Modified Componer	nt 314		
ID	EMAPA:30438	Is Group Term	false
Name	surface epitheliu	m of labial swell.	ing
Starts At	TS24	Ends At	TS27
Primary Parents	EMAPA:18329[labia	l swelling]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labial swelling(EMAPA:18329), surface epithelium of labial swelling(EMAPA:30438)]		
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3 swelling(EMAPA:3 swelling(EMAPA:3 0 2. [Abstract anatembryo(EMAPA:1603	1), female reprod 9), female externa 0984), labial 329), surface epi	uctive al thelium of labial se(EMAPA:25765), EMAPA:16103),

Modified Component 314						
	<pre>system(EMAPA:17381), female reproductive system(EMAPA:17959), labial swelling(EMAPA:18329), surface epithelium of labial swelling(EMAPA:30438)] 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labial swelling(EMAPA:18329), surface epithelium of labial swelling(EMAPA:30438)]</pre>					
Rule Status	PASSED Edit Status CHANGED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18329>					
	2. order=0	for EMAPA:18329				

Modified Component 315						
ID	EMAPA:29316	EMAPA: 29316 Is Group Term false				
Name	scrotal fold					
Starts At	TS24	Ends At	TS27			
Primary Parents	EMAPA:30977[male EMAPA:17968[male	external genitali reproductive syst	a] cem]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMA) organ(EMAPA:1624 system(EMAPA:173	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotal fold(EMAPA:29316)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotal fold(EMAPA:29316)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive					
	system(EMAPA:173) system(EMAPA:179)	81), male reproduc 68), scrotal fold(	ctive [EMAPA:29316)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotal fold(EMAPA:29316)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <22 for EMAPA:17968>					
	2. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:30977>					
	3. order=20 order=3 for EMAP	2 for EMAPA:17968 A:30977				

Modified Component 316						
ID	EMAPA:29321 Is Group Term false					
Name	glandular tissue	glandular tissue of seminal vesicle				
Starts At	TS25 Ends At TS27					

Modified Component 316							
Primary Parents	EMAPA:19180[semin	al vesicle]					
Group Parents							
Synonyms	[]						
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), glandular tissue of seminal vesicle(EMAPA:29321)]						
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), glandular tissue of seminal vesicle(EMAPA:29321)]						
Rule Status	PASSED	PASSED Edit Status CHANGED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19180>						
	2. order=2	for EMAPA:19180	_				

Modified Component 317					
ID	EMAPA:30484	Is Group Term	false		
Name	distal genital	tubercle of fema	le		
Starts At	TS21	Ends At	TS24		
Primary Parents	EMAPA:18680[ger	ital tubercle of	female]		
Group Parents					
Synonyms	[glans of femal	.e]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17	omy(EMAPA:0), mou MAPA:16103), visc (45), reproductiv (381), female rep (959), genital tu (680), distal gen (484)]	eral e broductive bercle of		
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA	MAPA:16103), visc (45), reproductiv (381), female rep (959), female ass (328540), genital (680), distal gen	e roductive ociated reproductive		
	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA	MAPA:16103), visc (45), reproductiv (381), female rep (959), female ext (30984), genital (680), distal gen	e roductive ernal tubercle of		
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17	atomy(EMAPA:0), mouse(EMAPA:25765), 039), organ system(EMAPA:16103), EMAPA:16245), reproductive 381), female reproductive 959), genital tubercle of 680), distal genital tubercle of 484)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 structure(EMAPA female(EMAPA:18	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484)]			

Modified Component 317						
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484)]					
Rule Status	PASSED		Edit Status		CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:18680>					
	2.	order=4	for EMAPA:1	8680		

Modified Compor	1	71	1		
ID		EMAPA: 30487 Is Group Term			
Name	mesenchyme of di	stal genital tuber	cle of female		
Starts At	TS21	Ends At	TS24		
Primary Parents	EMAPA:30484[dist	al genital tubercl	e of female]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 female(EMAPA:186	81), female reprod 59), genital tuber 80), distal genita 84), mesenchyme of	l uctive cle of l tubercle of		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:0) organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reprostructure(EMAPA:28540), genital tubercle of female(EMAPA:18680), distal genital tubercle female(EMAPA:30484), mesenchyme of distal gentubercle of female(EMAPA:30487)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), mesenchyme of distal genitubercle of female(EMAPA:30484)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 embryo(EMAPA:16039), organ system(EMAPA:16103) visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), mesenchyme of distal genitubercle of female(EMAPA:30484)]				
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 structure(EMAPA: female(EMAPA:304	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), mesenchyme of distal genital tubercle of female(EMAPA:30484)]			
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173	tomy(EMAPA:0), mou 39), organ system( MAPA:16245), repro 81), female reprod 59), female extern	EMAPA:16103), ductive uctive		

Modified Component 318							
	genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), mesenchyme of distal genital tubercle of female(EMAPA:30487)]						
Rule Status	PASSED	, ,					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30484>						
	2. order=1	for EMAPA:30484					

Modified Compor	EMAPA:30490   Is Group Term   false
Name	surface epithelium of distal genital tubercle of female
Starts At	TS21 Ends At TS24
Primary Parents	EMAPA:30484[distal genital tubercle of female]
Group Parents	
Synonyms	[1]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), surface epithelium of distal genital tubercle of female(EMAPA:30484)
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), surface epithelium of distal genital tubercle of female(EMAPA:30490)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), surface epithelium of distal genital tubercle of female(EMAPA:30484)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), surface epithelium of distal genital tubercle of female(EMAPA:30484)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), surface epithelium of distal genital tubercle of female(EMAPA:30490)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), distal genital tubercle of female(EMAPA:30484), surface epithelium of distal

Modified Component 319						
	genital tubercle of female(EMAPA:30490)]					
Rule Status	PASSED Edit Status CHANGED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30484>					
	2. order=0	for EMAPA:30484				

Modified Compon	ent 320					
ID	EMAPA:30493	Is Group Term	false			
Name	mesenchyme of f	mesenchyme of female preputial swelling				
Starts At	TS21	Ends At	TS24			
Primary Parents	EMAPA:30478[pre	putial swelling of	female]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 female(EMAPA:18	my(EMAPA:0), mouse APA:16103), viscera 45), reproductive 381), female reprod 959), genital tuber 680), preputial swa 478), mesenchyme of 30493)]	al ductive rcle of elling of			
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA female(EMAPA:18 female(EMAPA:30 swelling(EMAPA:  2. [Abstract an organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17	atomy(EMAPA:0), mon APA:16103), viscera 45), reproductive 381), female reprod 959), female extern	ductive ductive ductive ductive ductive ductive dubercle of delling of female preputial ductive			
	female(EMAPA:18 female(EMAPA:30 swelling(EMAPA: 3. [Abstract an embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 female(EMAPA:18	478), mesenchyme of 30493)]  atomy(EMAPA:0), mon 039), organ system EMAPA:16245), repro 381), female repro 959), genital tuber 680), preputial swe 478), mesenchyme of	atomy(EMAPA:0), mouse(EMAPA:25765), 039), organ system(EMAPA:16103), EMAPA:16245), reproductive 881), female reproductive 959), genital tubercle of 680), preputial swelling of 478), mesenchyme of female preputial			
	use(EMAPA:25765), (EMAPA:16103), oductive ductive iated reproductive ubercle of elling of f female preputial					
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), mesenchyme of female preputial swelling(EMAPA:30493)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Differ	ent Order - Refere	nced Component has			

Modified Component 320									
	no order	entries; A:30478>	Thi	s Compor	nent h	as order	entry	<2	
	2.	order=2	for	EMAPA:30	)478				

Modified Component 321						
ID	EMAPA:30499	Is Group Term	false			
Name	preputial gland	preputial gland of female				
Starts At	TS21	Ends At	TS24			
Primary Parents	EMAPA:30478[prep	outial swelling of	female]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAPA:1624 system(EMAPA:173 system(EMAPA:173 female(EMAPA:186	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), preputial gland of				
Alternate Paths	organ system(EMAPA:1624 system(EMAPA:173 system(EMAPA:173 structure(EMAPA: female(EMAPA:186	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), preputial gland of female(EMAPA:30498)				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), preputial swelling of female(EMAPA:30478), preputial gland of female(EMAPA:30499)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:30478), preputial swelling of female(EMAPA:30478), preputial gland of female(EMAPA:30499)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female associated reproductive system(EMAPA:17381), female associated reproductive system(EMAPA:18680), preputial swelling of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), preputial gland of female(EMAPA:30478), preputial gland of female(EMAPA:30478), preputial gland of female(EMAPA:30499)]					
	embryo(EMAPA:160 visceral organ(EMAPA:173 system(EMAPA:173 genitalia(EMAPA: female(EMAPA:186	ttomy(EMAPA:0), mou 139), organ system 1MAPA:16245), repro 181), female repro 159), female extern 130984), genital tu 180), preputial swe 178), preputial gla	(EMAPA:16103), oductive ductive nal ubercle of elling of			
Rule Status	PASSED	Edit Status	CHANGED			
Comments	no order entries for EMAPA:30478>	; This Component h	nced Component has nas order entry <1			

Modified Component 322				
ID	EMAPA:29307	Is Group Term	false	
Name	inguinal ring			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:17968[male	reproductive syst	em]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal ring(EMAPA:29307)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal ring(EMAPA:29307)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17968>			
	2. order=9 for EMAPA:17968			

Modified Compon					
ID	EMAPA:30496	Is Group Term	false		
Name	surface epitheli	um of female prepu	tial swelling		
Starts At	TS21	Ends At	TS24		
Primary Parents	EMAPA:30478[prep	outial swelling of	female]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAPA:1624 system(EMAPA:173 system(EMAPA:173 female(EMAPA:186 female(EMAPA:304	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), surface epithelium of female preputial swelling(EMAPA:30496)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), surface epithelium of female preputial swelling(EMAPA:30496)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), surface epithelium of female preputial swelling(EMAPA:30496)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478), surface epithelium of female preputial swelling(EMAPA:30496)]				

Modified Componen	t 323			
	embryo(E) visceral system(E) system(E) structure female(E) female(E)	MAPA:1603 organ(EM MAPA:1738 MAPA:1795 e(EMAPA:2 MAPA:1868 MAPA:3047	9), organ system (APA:16245), replay 1), female replay 9), female asson (8540), genital 0), preputial s	roductive ociated reproductive tubercle of swelling of ithelium of female
	embryo(E) visceral system(E) system(E) genitali female(E) female(E)	MAPA:1603 organ(EM MAPA:1738 MAPA:1795 a(EMAPA:3 MAPA:1868 MAPA:3047	9), organ system (APA:16245), reprint (1), female reprint (1), female extemps), female extemps (1), genital (1), preputial (1)	roductive ernal tubercle of swelling of ithelium of female
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30478>			
	2.	order=0	for EMAPA:30478	3

Modified Component 324				
ID	EMAPA:29304	Is Group Term	false	
Name	cystic vesicular	appendage		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:17968[male	reproductive syst	em]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), cystic vesicular appendage(EMAPA:29304)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), cystic vesicular appendage(EMAPA:29304)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17968>			
	2. order=7	for EMAPA:17968		

Modified Component 325				
ID	EMAPA:29313	Is Group Term	false	
Name	internal inguinal	ring		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:29307[inguinal ring]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal ring(EMAPA:29307),			

Modified Component 325				
	internal ingui	nal ring(EMAPA:29313	) ]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal ring(EMAPA:29307), internal inguinal ring(EMAPA:29313)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29307>			
	2. order	=1 for EMAPA:29307		

Modified Component 326				
ID	EMAPA:29310	Is Group Term	false	
Name	external inguinal	ring		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:29307[ingui	nal ring]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal ring(EMAPA:29307), external inguinal ring(EMAPA:29310)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal ring(EMAPA:29307), external inguinal ring(EMAPA:29310)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29307>			
	2. order=0 for EMAPA:29307			

Modified Component 327				
ID	EMAPA:28619	Is Group Term	false	
Name	muscularis mucosa	of bladder		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:18321[bladd	er]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18321>			

Modified Component 328						
ID	EMAPA:30467	Is Group Term	false			
Name	urethral epithel	urethral epithelium of male				
Starts At	TS20	Ends At	TS23			
Primary Parents	EMAPA:17969[genit	tal tubercle of ma	le]			
Group Parents						
Synonyms	[urethral plate,	urethral seam]				
Primary Path	organ system(EMAI organ(EMAPA:1624! system(EMAPA:1738 system(EMAPA:1796	31), male reproduc 58), genital tuber ), urethral epithe	l tive cle of			
Alternate Paths	organ system(EMAI organ(EMAPA:16245 system(EMAPA:1736 system(EMAPA:1796 structure(EMAPA:2	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467)]					
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467)]					
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	no order entries for EMAPA:17969>	nt Order - Referen; This Component h				

Modified Component 329					
ID	EMAPA:28613	Is Group Term	false		
Name	epithelium of trigone				

Modified Component 329					
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:28601[epith	nelium of bladder]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601), epithelium of trigone(EMAPA:28613)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601), epithelium of trigone(EMAPA:28613)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28601>				
	2. order=1	for EMAPA:28601			

Modified Component 330			
ID	EMAPA:30460	Is Group Term	false
Name	coelomic epitheli	um of male mesone	phros
Starts At	TS20	Ends At	TS23
Primary Parents	EMAPA:29138[meson	ephros of male]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), coelomic epithelium of male mesonephros(EMAPA:30460)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), coelomic epithelium of male mesonephros(EMAPA:30460)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:29138>		
	2. order=6	for EMAPA:29138	

Modified Component 331				
ID	EMAPA:30478	Is Group Term	false	
Name	preputial swellin	g of female		
Starts At	TS21 Ends At TS24			
Primary Parents	EMAPA:18680[genital tubercle of female]			
Group Parents				
Synonyms	[prepuce of female]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Componer	t 331		
	organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), preputial swelling of female(EMAPA:30478)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18680>		
	2. order=3 for EMAPA:18680		

Modified Component 332				
ID	EMAPA:28601	Is Group Term	false	
Name	epithelium of bla	dder		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:18321[bladd	er]		
Group Parents				
Synonyms	[urothelium]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601)]			
Rule Status	PASSED Edit Status CHANGED			

Modified Component 332				
	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18321>			
	2. order=0 for EMAPA:18321			

Modified Component 333				
ID	EMAPA:30470	Is Group Term	false	
Name	urethral epithel	ium of female		
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:18680[geni	tal tubercle of fe	emale]	
Group Parents				
Synonyms	[urethral plate,	urethral seam]		
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 female(EMAPA:186	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470)]		
Alternate Paths	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 structure(EMAPA: female(EMAPA:186	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:17381), female reproductive system(EMAPA:17381), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:30470)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), genital tubercle of female(EMAPA:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470)]		
	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA: female(EMAPA:186			
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 female(EMAPA:186			
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 structure(EMAPA:	28540), genital tu 880), urethral epit	(EMAPA:16103), oductive ductive iated reproductive ubercle of	
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA:	tomy(EMAPA:0), mon 139), organ system EMAPA:16245), repro 181), female repro 159), female extern 130984), genital to 180), urethral epit	(EMAPA:16103), oductive ductive nal ubercle of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		;; This Component l	nced Component has has order entry <2	
	2. order=2	for EMAPA:18680		

Modified Component 334				

Modified Component 334			
ID	EMAPA:28607	Is Group Term	false
Name	epithelium of fun	dus	
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:28601[epith	elium of bladder]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601), epithelium of fundus(EMAPA:28607)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601), epithelium of fundus(EMAPA:28607)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28601>		
	2. order=0	for EMAPA:28601	

Modified Component 335				
ID	EMAPA:30445	Is Group Term	true	
Name	epithelium of epi	didymis		
Starts At	TS24	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:19290[epidi	dymis]		
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), epithelium of epididymis(EMAPA:30445)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), epithelium of epididymis(EMAPA:30445)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:19290>			
	2. order=8 for EMAPA:19290			

Modified Component 336					
ID	EMAPA:30447	Is Group Term	true		
Name	muscle layer of epididymis				
Starts At	TS24 Ends At TS28				
Primary Parents					
Group Parents	EMAPA:19290[epididymis]				
Synonyms	[1				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),				

Modified Component 336				
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30447)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30447)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:19290>			
	2. order=9	for EMAPA:19290		

Modified Component 337				
ID	EMAPA:30449	Is Group Term	true	
Name	juxtaglomerular c	omplex		
Starts At	TS25	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:17952[renal	cortex]		
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular complex(EMAPA:30449)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular complex(EMAPA:30449)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <17 for EMAPA:17952>			
	2. order=17 for EMAPA:17952			

Modified Component 338					
ID	EMAPA: 28637   Is Group Term   false				
Name	detrusor muscle o	f bladder			
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:18321[bladd	er]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637)]				
Rule Status	PASSED	Edit Status	CHANGED		

Modified Component 338						
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18321>					
	2. order=3 for EMAPA:18321					

Modified Component 339					
ID	EMAPA:30443	Is Group Term	true		
Name	adventitia of epi	didymis			
Starts At	TS24	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:19290[epidi	dymis]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:19290>				
	2. order=10	for EMAPA:19290			

Modified Component 340					
ID	EMAPA:28643	Is Group Term	false		
Name	detrusor muscle o	f fundus			
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:28637[detru	sor muscle of bla	dder]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637), detrusor muscle of fundus(EMAPA:28643)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637), detrusor muscle of fundus(EMAPA:28643)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28637>				
	2. order=0	for EMAPA:28637			

Modified Component 341					
ID	EMAPA:17646	Is Group Term	false		

Modified Component 341					
Name	primitive	e collect	ing duct		
Starts At	TS20		Ends At		TS20
Primary Parents	EMAPA:173	373[metar	ephros]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct(EMAPA:17646)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct(EMAPA:17646)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:17373>				
	2.	order=14	for EMAPA:	17373	

Modified Component 342					
ID	EMAPA:28625	Is Group Term	false		
Name	muscularis mucosa	of fundus	•		
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:28619[muscu	laris mucosa of b	ladder]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619), muscularis mucosa of fundus(EMAPA:28625)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619), muscularis mucosa of fundus(EMAPA:28625)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28619>				
	2. order=0	for EMAPA:28619			

Modified Component 343					
ID	EMAPA:17645	Is Group Term	false		
Name	cap mesenchyme				
Starts At	TS20	Ends At	TS20		
Primary Parents	EMAPA:17373[metanephros] EMAPA:31562[nephrogenic zone GROUP]				
Group Parents					
Synonyms	[condensed mesenchyme]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), cap				

Modified Component 343					
	mesenchyr	me(EMAPA:	17645)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), cap mesenchyme(EMAPA:17645)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), cap mesenchyme(EMAPA:17645)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562), cap mesenchyme(EMAPA:17645)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17373>				
	2.	order=4	for EMAPA:17	373	

Modified Componen	odified Component 344					
ID	EMAPA:28631	Is Group Term	false			
Name	muscularis mucosa	of trigone				
Starts At	TS22	Ends At	TS28			
Primary Parents	EMAPA:28619[muscu	laris mucosa of b	ladder]			
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619), muscularis mucosa of trigone(EMAPA:28631)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619), muscularis mucosa of trigone(EMAPA:28631)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28619>					
	2. order=1	for EMAPA:28619				

Modified Component 345					
ID	EMAPA:28649	Is Group Term	false		
Name	detrusor muscle o	f trigone			
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:28637[detrusor muscle of bladder]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637), detrusor muscle of				

Modified Component 345					
	trigone(EMAPA:286	[49]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637), detrusor muscle of trigone(EMAPA:28649)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28637>				
	2. order=1	for EMAPA:28637			

Modified Component 346					
ID	EMAPA: 27829	Is Group Term	false		
Name	renal vesicle				
Starts At	TS22	Ends At	TS27		
Primary Parents		ly tubule] EMAPA: 952[renal cortex]	17954[early nephron		
Group Parents					
Synonyms	[epithelial ves	icle, stage I nep	hron]		
Primary Path	organ system(EMorgan(EMAPA:162	my(EMAPA:0), mous IAPA:16103), visce 45), urinary syst IPA:17373), renal 952), renal vesic	ral em(EMAPA:17366),		
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:27829)]			
	organ system(EM organ(EMAPA:162 metanephros(EMA	atomy(EMAPA:0), m IAPA:16103), visce 45), urinary syst IPA:17373), early 54), renal vesicl	em(EMAPA:17366), nephron		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:29 embryo(EMAPA:16039), organ system(EMAPA:16103 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373 renal cortex(EMAPA:17952), renal vesicle(EMAPA:27829)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:29 embryo(EMAPA:16039), organ system(EMAPA:16103 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373 renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:2782)				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27829)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Differ no order entrie for EMAPA:17952	es; This Component	enced Component has has order entry <0		
	2. Different Order - Referenced Component no order entries; This Component has order for EMAPA:28500>				
	3. Differ no order entrie for EMAPA:17954	es; This Component	enced Component has has order entry <1		

## Modified Component 346 4. order=0 for EMAPA:28500 order=1 for EMAPA:17954 order=0 for EMAPA:17952

Modified Component 347				
ID	EMAPA:28661	Is Group Term	false	
Name	serosa of bladder			
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:18321[bladd	er]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:18321>			
	2. order=4 for EMAPA:18321			

Modified Component 348				
ID	EMAPA:28673	Is Group Term	false	
Name	serosa of trigone	:		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:28661[seros	a of bladder]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661), serosa of trigone(EMAPA:28673)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661), serosa of trigone(EMAPA:28673)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28661>			
	2. order=1 for EMAPA:28661			

Modified Component 349					
ID	EMAPA:28667 Is Group Term false				
Name	serosa of fundus				
Starts At	TS22 Ends At TS28				
			-		

Modified Component 349					
Primary Parents	EMAPA:28661[sero	sa of bladder]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661), serosa of fundus(EMAPA:28667)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661), serosa of fundus(EMAPA:28667)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28661>				
	2. order=0 for EMAPA:28661				

Modified Component 350				
ID	EMAPA:28679	Is Group Term	false	
Name	blood vessels of	bladder		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:18321[bladd	ler]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), blood vessels of bladder(EMAPA:28679)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), blood vessels of bladder(EMAPA:28679)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:18321>			
	2. order=6 for EMAPA:18321			

Modified Component 351				
ID	EMAPA:28697	Is Group Term	false	
Name	epithelial layer	of pelvic urethra	of male	
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:18995[pelvi	c urethra of male	]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), epithelial layer of pelvic urethra of male(EMAPA:28697)]			
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),	

Modified Component 351				
	visceral system(EN pelvic ur	organ(EM MAPA:1736 cethra of	APA:16245), uri 6), urethra of	male(EMAPA:18692), 995), epithelial
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18995>			
	2.	order=0	for EMAPA:18995	5

Modified Component 352				
ID	EMAPA:31528	Is Group Term	false	
Name	nerve of urogenit	al sinus		
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:31533[nerve	s of urogenital s	inus]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), nerves of urogenital sinus(EMAPA:31533), nerve of urogenital sinus(EMAPA:31528)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), nerves of urogenital sinus(EMAPA:31533), nerve of urogenital sinus(EMAPA:31533)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31533>			
	2. order=1 for EMAPA:31533			

Modified Component 353				
ID	EMAPA:31527	Is Group Term	false	
Name	pelvic ganglion			
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:31533[nerve	s of urogenital s	inus]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), nerves of urogenital sinus(EMAPA:31533), pelvic ganglion(EMAPA:31527)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), nerves of urogenital sinus(EMAPA:31533), pelvic ganglion(EMAPA:31527)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31533>			
	2. order=0 for EMAPA:31533			

Modified Component 354			
ID	EMAPA:31529	Is Group Term	false
Name	mesenchymal layer	of dorsal primit	ive bladder
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:30876[mesen	chymal layer of p	rimitive bladder]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), mesenchymal layer of primitive bladder(EMAPA:30876), mesenchymal layer of dorsal primitive bladder(EMAPA:31529)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), mesenchymal layer of primitive bladder(EMAPA:30876), mesenchymal layer of dorsal primitive bladder(EMAPA:31529)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30876>		
	2. order=0	for EMAPA:30876	

Modified Component 355			
ID COMPONE	EMAPA: 31524	Is Group Term	false
Name	nerve of phallic	-	
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:31569[nerve EMAPA:30911[phall	es of urethra GROU ic urethra]	P ]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911), nerve of phallic urethra(EMAPA:31524)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of phallic urethra(EMAPA:31524)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of phallic urethra(EMAPA:31524)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911), nerve of phallic urethra(EMAPA:31524)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30911>		
	2. order=2	for EMAPA:30911	

Modified Component 356			
ID	EMAPA:31523	Is Group Term	false
Name	nerve of pelvic u	rethra	
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:31569[nerve EMAPA:30903[pelvi	s of urethra GROU c urethra]	Ρ]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), nerve of pelvic urethra(EMAPA:31523)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of pelvic urethra(EMAPA:31523)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of pelvic urethra(EMAPA:31523)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), nerve of pelvic urethra(EMAPA:31523)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:30903>		
	2. order=3	for EMAPA:30903	

Modified Component 357			
ID	EMAPA:31526	Is Group Term	false
Name	nerve of bladder		
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:18321[bladd	er]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), nerve of bladder(EMAPA:31526)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), nerve of bladder(EMAPA:31526)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:18321>		
	2. order=7	for EMAPA:18321	

Modified Componen	t 358	

Modified Component 358			
ID	EMAPA:31525	Is Group Term	false
Name	mesenchymal layer	of ventral primi	tive bladder
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:30876[mesen	chymal layer of p	rimitive bladder]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), mesenchymal layer of primitive bladder(EMAPA:30876), mesenchymal layer of ventral primitive bladder(EMAPA:31525)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), mesenchymal layer of primitive bladder(EMAPA:30876), mesenchymal layer of ventral primitive bladder(EMAPA:31525)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30876>		
	2. order=1	for EMAPA:30876	

Modified Component 359			
ID	EMAPA:31520	Is Group Term	false
Name	epithelium of uro	genital sinus	
Starts At	TS18	Ends At	TS18
Primary Parents	EMAPA:17211[uroge	nital sinus]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital sinus(EMAPA:17211), epithelium of urogenital sinus(EMAPA:31520)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital sinus(EMAPA:17211), epithelium of urogenital sinus(EMAPA:31520)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17211>		
	2. order=1	for EMAPA:17211	

Modified Component 360			
ID	EMAPA:31522	Is Group Term	false
Name	pelvic ganglion		
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:17366[urinary system]		
Group Parents			
Synonyms	[ ]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		

Modified Component 360			
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), pelvic ganglion(EMAPA:31522)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), pelvic ganglion(EMAPA:31522)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <22 for EMAPA:17366>		
	2. order=22	for EMAPA:17366	

Modified Componer	.+ 261		
ID	EMAPA: 31521	Is Group Term	false
Name	early distal tubu		
Starts At	TS25	Ends At	TS27
Primary Parents	EMAPA:28390[early	distal tubule]	of capillary loop
Group Parents			
Synonyms	[anlage of distal	tubule]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), ear distal tubule of capillary loop nephron(EMAPA:31521)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:28387), early distal tubule(EMAPA:28387), early distal tubule of capillary loop nephron(EMAPA:31521)]		al n(EMAPA:17366), nal al tubule of
			al n(EMAPA:17366), nal tubule of
	3. [Abstract anatorgan system(EMAP organ(EMAPA:16245 metanephros(EMAPA:284 tubule(EMAPA:1897 capillary loop nedistal tubule of nephron(EMAPA:315	PA:16103), viscera ), urinary system :17373), stage IV :45), cortical rena :6), cortical rena :phron GROUP(EMAP) capillary loop	al m(EMAPA:17366), / immature nal al tubule of
	4. [Abstract anatorgan system(EMAP organ(EMAPA:16245 metanephros(EMAPA:284 tubule(EMAPA:2838 tubule(EMAPA:2838 tubule(EMAPA:2839 capillary loop ne	PA:16103), viscera (), urinary system (:17373), stage IV (:45), cortical rer (6), renal distal (7), early distal (0), early distal	al m(EMAPA:17366), / immature nal tubule of
	5. [Abstract anat	omy(EMAPA:0), mou	ıse(EMAPA:25765),

```
organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
```

- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron

```
GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
```

- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal

```
Modified Component 361
                               tubule(EMAPA: 18976), renal distal
                               tubule(EMAPA:28387), early distal
                               tubule(EMAPA:28390), early distal tubule of
                               capillary loop nephron(EMAPA: 3152)
                               22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of
                              capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
                               23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                               embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                              system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal
                               tubule(EMAPA:18976), renal distal
                               tubule(EMAPA:28387), early distal
tubule(EMAPA:28390), early distal tubule of
                               capillary loop nephron(EMAPA:31521)]
                               24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                               embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                              system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal
                               tubule(EMAPA:18976), cortical renal tubule of
                               capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop
                               nephron(EMAPA:31521)]
                               25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of capillary loop nephron(EMAPA:31521)]
                               26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                              embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), ortical renal
                               tubule(EMAPA:18976), cortical renal tubule of
                              capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31521)]
                               27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                               embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                               system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal
                               tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of
                               capillary loop nephron(EMAPA:31521)]
                               PASSED
                                                                                             CHANGED
                                                             Edit Status
Rule Status
                                        1. Different Order - Referenced Component has
Comments
                               no order entries; This Component has order entry <0
                               for EMAPA: 28390>
                                        2. .
                                               order=0 for EMAPA:28390
```

Modified Component 362			
ID	EMAPA:31519	Is Group Term	false
Name	mesenchyme of urogenital sinus		
Starts At	TS18	Ends At	TS18

Modified Component 362		
Primary Parents	EMAPA:17211[urogenital sinus]	
Group Parents		
Synonyms	[]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital sinus(EMAPA:17211), mesenchyme of urogenital sinus(EMAPA:31519)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital sinus(EMAPA:17211), mesenchyme of urogenital sinus(EMAPA:31519)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17211>	
	2. order=0 for EMAPA:17211	

Modified Component 363				
ID	EMAPA:31518	Is Group Term	false	
Name	urethral epitheli	um		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17382[genit	al tubercle]		
Group Parents				
Synonyms	[urethral plate,	urethral seam]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382), urethral epithelium(EMAPA:31518)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382), urethral epithelium(EMAPA:31518)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17382>			
	2. order=2 for EMAPA:17382			

Modified Component 364				
ID	EMAPA:31517	Is Group Term	false	
Name	renal connecting	tubule of mature	nephron	
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:31566[cortical renal tubule of mature nephron GROUP] EMAPA:28011[renal connecting tubule]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]			

Alternate Paths

- 1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
  organ system(EMAPA:16103), visceral

```
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
```

- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary

```
loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
```

- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]
- 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of mature nephron(EMAPA:31517)]
- 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal connecting tubule of mature nephron(EMAPA:31517)]

Rule Status

PASSED

Edit Status

CHANGED

Comments

1. Different Order - Referenced Component has no order entries; This Component has order entry <2

Modified Componen	it 364
	for EMAPA:28011>
	2. order=2 for EMAPA:28011

Modified Compor	EMAPA: 31516	Is Group Term	false		
Name	renal connecting				
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA:28011[renal EMAPA:31570[cort: nephron GROUP]	l connecting tu	ubule]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAI organ(EMAPA:1624) metanephros(EMAPA cortex(EMAPA:179) tubule(EMAPA:189) tubule(EMAPA:280)	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]			
Alternate Paths	organ system(EMA) organ(EMAPA:1624! metanephros(EMAPA: nephron(EMAPA:280: tubule(EMAPA:280: tubule(EMAPA:280: maturing nephron	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]			
	organ system(EMA) organ(EMAPA:1624) metanephros(EMAPA nephron(EMAPA:28) tubule(EMAPA:189) maturing nephron	PA:16103), visc 5), urinary sys A:17373), matur 491), cortical 76), cortical r GROUP(EMAPA:31	stem(EMAPA:17366), re renal renal tubule of		
	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA nephron(EMAPA:280 tubule(EMAPA:280) tubule(EMAPA:280)	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516			
	organ system(EMA) organ(EMAPA:1624) metanephros(EMAPA nephron(EMAPA:28) tubule(EMAPA:189) maturing nephron				
	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA cortex(EMAPA:179	PA:16103), visc 5), urinary sys A:17373), renal 52), developing OUP(EMAPA:28506 76), renal conn 11), renal conn	stem(EMAPA:17366),  g capillary loop  g), cortical renal  necting		
	organ system(EMA) organ(EMAPA:1624) metanephros(EMAPA: cortex(EMAPA:179) stage nephron GRO tubule(EMAPA:189) maturing nephron	PA:16103), visc 5), urinary sys A:17373), renal 52), developing OUP(EMAPA:28506 76), cortical r GROUP(EMAPA:31	tem(EMAPA:17366), capillary loop ), cortical renal cenal tubule of		

- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31570), nephron(EMAPA:31516)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31570)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
  embryo(EMAPA:16039), organ system(EMAPA:16103),

```
visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
```

- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]

Modified Componen	t 365			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP tubule(EMAPA:1897 maturing nephron	ttomy(EMAPA:0), more system(189), organ system(184), urina: 66), metanephros(El24:17952), cortical rena: GROUP(EMAPA:31570; of maturing nephroses	EMAPA:16103), ry MAPA:17373), l renal l tubule of ), renal	
	26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule of maturing nephron(EMAPA:31516)]			
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31516)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h		
	2. order=1	for EMAPA:28011		

Modified Component 366				
ID	EMAPA:31515	Is Group Term	false	
Name	renal connecting	tubule of capilla	ry loop nephron	
Starts At	TS22	Ends At	TS27	
Primary Parents		cal renal tubule APA:28011[renal c		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]			
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA nephron(EMAPA:284	omy(EMAPA:0), mou A:16103), viscera ), urinary system :17373), stage IV 45), cortical ren 6), renal connect	l (EMAPA:17366), immature al	

```
tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
```

- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31571)
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
  organ system(EMAPA:16103), visceral
  organ(EMAPA:16245), urinary system(EMAPA:17366),

```
metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
```

- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31551)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule(apillary loop nephron(EMAPA:31515)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011)
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)]

### Modified Component 366 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule of tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)] 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of tubule(EMAPA: 28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)] 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)] 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA: 28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)] 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA: 31515)] 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule of capillary loop nephron(EMAPA:31515)] 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)] PASSED Edit Status CHANGED Rule Status 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <0 for EMAPA:28011> order=0 for EMAPA:28011

Modified Component 367				
ID	EMAPA: 31514			
Name	early distal tubule of maturing nephron			

Modified Compone	nt 367
Starts At	TS25 Ends At TS27
Primary Parents	EMAPA:31570[cortical renal tubule of maturing nephron GROUP] EMAPA:28390[early distal tubule]
Group Parents	
Synonyms	[1]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:28387), early distal
	tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570),

```
early distal tubule of maturing nephron(EMAPA:31514)|
```

- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31570); nephron(EMAPA:31514)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:283890), early distal tubule of maturing nephron(EMAPA:31514)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical

```
renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
```

- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]

Modified Componen	ut 367			
	25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]			
	26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31514)]			
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), early distal tubule of maturing nephron(EMAPA:31514)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28390>			
	2. order=1 for EMAPA:28390			

Modified Component 368			
ID	EMAPA:31513	Is Group Term	false
Name	early distal tubu	le of maturing ne	phron
Starts At	TS22	Ends At	TS24
Primary Parents		.cal renal tubule MAPA:28007[early d	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]		
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	comy(EMAPA:0), mou A:16103), viscera b), urinary system 1:17373), stage IV 145), cortical ren	l (EMAPA:17366), immature

tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]

- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31570)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31570); nephron(EMAPA:31513)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal

```
tubule(EMAPA:18976), early distal
tubule(EMAPA:28007), early distal tubule of
maturing nephron(EMAPA:31513)]
```

- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal

# Modified Component 368 tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)] 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)] 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early distal maturing nephron GROUP(EMAPA:31570), early distal tubule of maturing nephron(EMAPA:31513)] 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17376), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)] 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), ear tubule of maturing nephron(EMAPA:31513)] early distal 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of maturing nephron(EMAPA:31513)] 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), ear tubule of maturing nephron(EMAPA:31513)] early distal Rule Status PASSED Edit Status Different Order - Referenced Component has no order entries; This Component has order entry <1</li> Different Order - Referenced Component has Comments for EMAPA:28007> order=1 for EMAPA:28007

Modified Component 369				
ID	EMAPA:31512	Is Group Term	false	
Name	early proximal tubule of maturing nephron			
Starts At	TS25 Ends At TS27			
Primary Parents	EMAPA:28284[early proximal tubule] EMAPA:31570[cortical renal tubule of maturing nephron GROUP]			
Group Parents				
Synonyms	[]			

### Modified Component 369 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral Primary Path organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), Alternate Paths organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature mephron(EMAPA:28445), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proearly proximal tubule of maturing nephron(EMAPA:31512)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA: 28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA: 31512) 1 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527),

```
cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
```

- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31570)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),

```
stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
```

- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31570)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]
- 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal

Modified Componen	t 369			
	tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]			
	26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31512)]			
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of maturing nephron(EMAPA:31512)]			
Rule Status	PASSED		Edit Status	CHANGED
Comments		ntries;		nced Component has has order entry <1
	2. 0	rder=1	for EMAPA:28284	

ID	EMAPA:31511	Is Group Term	false	
Name		ubule of capillary		
Starts At	TS22	Ends At	TS24	
Primary Parents	EMAPA: 28007[ear	cly distal tubule]		
	nephron GROUP]			
Group Parents				
Synonyms	[anlage of dist	tal tubule]		
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 tubule(EMAPA:18 tubule(EMAPA:28	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]		
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:2 tubule(EMAPA:28	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early distal tubule (EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule (EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]		
	organ system(EN organ(EMAPA:162 metanephros(EMAPA:18 tubule(EMAPA:18 capillary loop distal tubule o			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

#### Modified Component 370

```
organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
```

- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of

#### capillary loop nephron(EMAPA:31511)]

- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:18976), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),

## Modified Component 370 renal cortex(EMAPA:17952), late tubule(EMAPA: 28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)] 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)] 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop perhaps CROME (EMAPA:21571) cortical renal tubule of capillary loop perhaps (EMAPA:21571) capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA: 31511) 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)] 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)] 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), 26. [ADSTRACT ANATOMY(EMAPA:0), mouse(EMAPA:2576: embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early distal tubule(EMAPA:28007), early distal tubule of capillary loop nephron(EMAPA:31511)] 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early distal tubule of capillary loop nephron(EMAPA:31511)] Rule Status Edit Status CHANGED 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <0 for EMAPA: 28007> 2. order=0 for EMAPA:28007

Modified Component 371				
ID	EMAPA:31510	Is Group Term	false	
Name	developing vasculature of male genital tubercle			
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:17969[genital tubercle of male]			

Modified Componer	nt 371			
	EMAPA: 31564[devel	oping vasculature	of reproductive	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), developing vasculature of male genital tubercle(EMAPA:31510)]			
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 reproductive syst	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of male genital tubercle(EMAPA:31510)]		
	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2	1), male reproduc 8), male associat 8533), genital tu , developing vasc	l tive ed reproductive bercle of	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17381), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), developing vasculature of magenital tubercle(EMAPA:31510)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), develop vasculature of male genital tubercle(EMAPA:3151			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 embryo(EMAPA:16039), organ system(EMAPA:16103 visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), developing vasculature of genital tubercle(EMAPA:31510)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796	comy(EMAPA:0), mou 19), organ system( 1APA:16245), repro 1), male reproduc 18), genital tuber , developing vasc EMAPA:31510)]	EMAPA:16103), ductive tive cle of	
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 genitalia(EMAPA:3	comy(EMAPA:0), mou 19), organ system( 1APA:16245), repro 1), male reproduc 18), male external 10977), genital tu 10977), developing vasc 1002 EMAPA:31510)]	EMAPA:16103), ductive tive bercle of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h		
	2. order=9	for EMAPA:17969		

Modified Component 372				
ID EMAPA: 31509   Is Group Term   false				

Modified Componen	t 372				
Name	epithelium of urogenital sinus				
Starts At	TS19 Ends At TS19				
Primary Parents	EMAPA:173	379[uroge	nital sinus	]	
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), epithelium of urogenital sinus(EMAPA:31509)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), epithelium of urogenital sinus(EMAPA:31509)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17379>				
	2. order=0 for EMAPA:17379				

ID	EMAPA:31502	Is Group Term	false	
Name	surface epithe male	surface epithelium of proximal genital tubercle of male		
Starts At	TS21	Ends At	TS22	
Primary Parents	EMAPA:31504[pr	oximal genital tu	bercle of male]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 male(EMAPA:179 male(EMAPA:315	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), surface epithelium of proximal genital tubercle of male(EMAPA:31504)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reprodustructure(EMAPA:28533), genital tubercle of male(EMAPA:17969), proximal genital tubercle male(EMAPA:31504), surface epithelium of progenital tubercle of male(EMAPA:31502)]		eral e ductive iated reproductive tubercle of ital tubercle of helium of proximal	
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:31504), proximal genital tubercle of male(EMAPA:31504), surface epithelium of proximal genital tubercle of male(EMAPA:31504)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), surface epithelium of proximal genital tubercle of male(EMAPA:31504)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576			

Modified Component 373					
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), surface epithelium of proximal genital tubercle of male(EMAPA:31504)				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), surface epithelium of proximal genital tubercle of male(EMAPA:31504)				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31504>				
	2. order=0	for EMAPA:31504			

Modified Component 374				
ID	EMAPA:18692	Is Group Term	false	
Name	urethra of male			
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:17366[urina	ry system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <15 for EMAPA:17366>			
	2. order=15	for EMAPA:17366		

Modified Component 375				
ID	EMAPA:31501	Is Group Term	false	
Name	mesenchyme of pro	ximal genital tub	ercle of male	
Starts At	TS21	Ends At	TS22	
Primary Parents	EMAPA:31504[proxi	mal genital tuber	cle of male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17386), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), mesenchyme of proximal genital tubercle of male(EMAPA:31504)			
Alternate Paths		omy(EMAPA:0), mou A:16103), viscera ), reproductive		

Modified Component 375				
	system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), mesenchyme of proximal genital tubercle of male(EMAPA:31501)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), mesenchyme of proximal genital tubercle of male(EMAPA:31504)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), mesenchyme of proximal genital tubercle of male(EMAPA:31504)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), mesenchyme of proximal genital tubercle of male(EMAPA:31504)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504), mesenchyme of proximal genital tubercle of male(EMAPA:31504)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31504>			
	2. order=1 for EMAPA:31504			

Modified Component 376				
ID	EMAPA:18693	Is Group Term	false	
Name	urethral fold of	male		
Starts At	TS23	Ends At	TS24	
Primary Parents	EMAPA:17956[phall	ic urethra of mal	e]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), urethral fold of male(EMAPA:18693)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), urethral fold of male(EMAPA:18693)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has			

Modified Component 376								
		entries; A:17956>	This	Component	has	order	entry	<3
	2.	order=3	for E	MAPA:17956				

Modified Component 377						
ID	EMAPA:31504	Is Group Term	false			
Name	proximal genital tubercle of male					
Starts At	TS21	Ends At	TS22			
Primary Parents	EMAPA:17969[genit	al tubercle of ma	le]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	31), male reproduc 58), genital tuber , proximal genita	l ctive cle of			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:31504)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504)]					
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), proximal genital tubercle of male(EMAPA:31504)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17969>					
	2. order=4	for EMAPA:17969				

Modified Component 378					
ID	EMAPA:31503	Is Group Term	false		
	1				

Modified Compo	nent 378
Name	developing vasculature of female genital tubercle
Starts At	TS20 Ends At TS23
Primary Parents	EMAPA:18680[genital tubercle of female] EMAPA:31564[developing vasculature of reproductive system GROUP]
Group Parents	
Synonyms	[]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), developing vasculature of female genital tubercle(EMAPA:31503)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of female genital tubercle(EMAPA:31503)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), developing vasculature of female genital tubercle(EMAPA:31503)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), developing vasculature of female genital tubercle(EMAPA:31503)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of female genital tubercle(EMAPA:31503)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), developing vasculature of female genital tubercle(EMAPA:31503)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), developing vasculature of female genital tubercle(EMAPA:31503)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), developing vasculature of female genital tubercle(EMAPA:31503)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:18680>

# Modified Component 378 2. order=9 for EMAPA:18680

Modified Compon	ent 379					
ID	EMAPA:31506	Is Group Term	false			
Name	proximal genital	tubercle of female				
Starts At	TS21	Ends At	TS22			
Primary Parents	EMAPA:18680[genit	tal tubercle of fe	male]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 female(EMAPA:1868 female(EMAPA:3150	31), female reprod 59), genital tuber 30), proximal geni 36)]	l uctive cle of tal tubercle of			
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:2 female(EMAPA:1868	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506)]					
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506)]					
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	no order entries for EMAPA:18680>	This Component h	ced Component has as order entry <5			
	2. order=5	for EMAPA:18680				

Modified Component 380						
ID	ID EMAPA: 31505 Is Group Term false					
Name	urethral opening of male					

Modified Componen	t 380					
Starts At	TS21		Ends A		TS23	
Primary Parents	EMAPA:30467[urethral epithelium of male]					
Group Parents						
Synonyms	[]					
Primary Path	organ systorgan (EMA)	tem(EMAP PA:16245 APA:1738 APA:1796 A:17969) A:30467)	A:161( ), reg 1), ma 8), ge , uret , uret	3), visce productive ale reproduction tube in tal tube in tal epit.	uctive ercle of helium of	765),
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), urethral opening of male(EMAPA:31505)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), urethral opening of male(EMAPA:31505)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 embryo(EMAPA:16039), organ system(EMAPA:16103 visceral organ(EMAPA:16245), reproductive system(EMAPA:17968), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), urethral opening of male(EMAPA:31505)]				103), ductive	
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), urethral opening of male(EMAPA:31505)]					:25765), 103),
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), urethral opening of male(EMAPA:31505)]					103),
Rule Status	PASSED		Edit S	tatus	CHANGED	
Comments	no order of for EMAPA	entries; :30467>	This	Component	enced Compo has order	onent has entry <2
	2.	order=2	for EN	MAPA:30467		

Modified Component 381						
ID	EMAPA:31508	Is Group Term	false			
Name	proximal urethral epithelium of male					
Starts At	TS21	Ends At	TS23			
Primary Parents	EMAPA:30467[urethral epithelium of male]					

Modified Compon	ent 381
Group Parents	
Synonyms	[ ]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), proximal urethral epithelium of male(EMAPA:31508)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), proximal urethral epithelium of male(EMAPA:31508)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), proximal urethral epithelium of male(EMAPA:31508)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), proximal urethral epithelium of male(EMAPA:31508)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), proximal urethral epithelium of male(EMAPA:31508)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), proximal urethral epithelium of male(EMAPA:31508)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30467>
	2. order=1 for EMAPA:30467

Modified Component 382					
ID	EMAPA:31507	Is Group Term	false		
Name	distal urethral e	pithelium of male			
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA:30467[urethral epithelium of male]				
Group Parents					
Synonyms	[]				

Modified Componer	ut 382
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), distal urethral epithelium of male(EMAPA:31507)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), distal urethral epithelium of male(EMAPA:31507)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), distal urethral epithelium of male(EMAPA:31507)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), distal urethral epithelium of male(EMAPA:31507)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), distal urethral epithelium of male(EMAPA:31507)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), urethral epithelium of male(EMAPA:30467), distal urethral epithelium of male(EMAPA:31507)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30467>
	2. order=0 for EMAPA:30467

Modified Component 383					
ID	EMAPA:31500	Is Group Term	false		
Name	mesenchyme of uro	genital sinus			
Starts At	TS19	Ends At	TS19		
Primary Parents	EMAPA:17379[urogenital sinus]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), mesenchyme of				

Modified Component 383				
	urogenital sinus(	urogenital sinus(EMAPA:31500)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), mesenchyme of urogenital sinus(EMAPA:31500)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17379>			
	2. order=1	for EMAPA:17379		

Modified Component 384			
ID	EMAPA:31565	Is Group Term	false
Name	nerve of pelvic u	rethra of male	
Starts At	TS23	Ends At	TS28
Primary Parents		c urethra of male s of urethra GROU	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), nerve of pelvic urethra of male(EMAPA:31565)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of pelvic urethra of male(EMAPA:31565)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), nerve of pelvic urethra of male(EMAPA:31565)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of pelvic urethra of male(EMAPA:31565)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18995>		
	2. order=3	for EMAPA:18995	

Modified Component 385			
ID	EMAPA:31566	Is Group Term	true
Name	cortical renal tu	bule of mature nep	phron GROUP
Starts At	TS25	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:18976[cortical renal tubule]		
Synonyms	[1]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal		

## Modified Component 385 cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of nephron GROUP(EMAPA: 31566)] 1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature Alternate Paths nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA: 28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] [5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485) cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), developing capitaly loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)] 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule of

Modified Component 385				
	mature nephron GROUP(EMAPA:31566)]			
	11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)]			
	12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)]			
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:18976>			
	2. order=8	for EMAPA:18976		

Modified Component 386			
ID	EMAPA:31563	Is Group Term	true
Name	developing vascul	ature of urinary	system GROUP
Starts At	TS20	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:17366[urina	ry system]	
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system [GROUP(EMAPA:31563)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <23 for EMAPA:17366>		
	2. order=23	for EMAPA:17366	

Modified Component 387				
ID	EMAPA:31564	Is Group Term	true	
Name	developing vascul	ature of reproduc	tive system GROUP	
Starts At	TS20 Ends At TS27			
Primary Parents				
Group Parents	EMAPA:17381[reproductive system]			
Synonyms	[]			
Primary Path	[Abstract anatomy	(EMAPA:0), mouse(	EMAPA:25765),	

Modified Component 387				
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17381>			
	2. or	der=6 for EMAPA:17	7381	

Modified Component 388				
ID	EMAPA:31561	Is Group Term	false	
Name	ventral mesenchym	e of pelvic ureth	ra	
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:31573[mesen	chyme of pelvic u	rethra]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), mesenchyme of pelvic urethra(EMAPA:31573), ventral mesenchyme of pelvic urethra(EMAPA:31561)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), mesenchyme of pelvic urethra(EMAPA:31573), ventral mesenchyme of pelvic urethra(EMAPA:31561)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31573>			
	2. order=1	for EMAPA:31573		

Modified Component 389				
ID	EMAPA: 31562			
Name	nephrogenic zone	GROUP		
Starts At	TS20	Ends At	TS21	
Primary Parents				
Group Parents	EMAPA:17373[metan	ephros]		
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone GROUP(EMAPA:31562)]			
Rule Status	PASSED	Edit Status	CHANGED	

Modified Component 389				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <29 for EMAPA:17373>			
	2. order=29 for EMAPA:17373			

Modified Component 390					
ID COMPONE	EMAPA: 31560	Is Group Term	false		
Name	muscle layer of d	muscle layer of dorsal pelvic urethra of female			
Starts At	TS23	Ends At	TS25		
Primary Parents	EMAPA:28771[muscl female]	e layer of pelvic	urethra of		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), muscle layer of pelvic urethra of female(EMAPA:28771), muscle layer of dorsal pelvic urethra of female(EMAPA:31560)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), muscle layer of pelvic urethra of female(EMAPA:28771), muscle layer of dorsal pelvic urethra of female(EMAPA:31560)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28771>				
	2. order=0	for EMAPA:28771			

Modified Component 391				
ID	EMAPA:18677	Is Group Term	false	
Name	major			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:18676[calyx	]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), calyx(EMAPA:18676), major(EMAPA:18677)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), calyx(EMAPA:18676), major(EMAPA:18677)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18676>			
	2. order=0	for EMAPA:18676		

Modified Component 392			
ID	EMAPA:18676	Is Group Term	false
Name	calyx		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:17373[metan	ephros]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), calyx(EMAPA:18676)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), calyx(EMAPA:18676)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <18 for EMAPA:17373>		
	2. order=18 for EMAPA:17373		

Modified Component 393			
ID	EMAPA: 31569   Is Group Term   true		
Name	nerves of urethra	GROUP	
Starts At	TS22	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:17366[urina	ry system]	
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <27 for EMAPA:17366>		
	2. order=27	for EMAPA:17366	

Modified Component 394			
ID	EMAPA:31567	Is Group Term	false
Name	nerve of pelvic u	rethra of female	
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:31569[nerves of urethra GROUP] EMAPA:28753[pelvic urethra of female]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), nerve of pelvic urethra of female(EMAPA:31567)]		

Modified Componen	ıt 394				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of pelvic urethra of female(EMAPA:31567)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), nerve of pelvic urethra of female(EMAPA:31567)]				
				EMAPA:16103), ry a of	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of pelvic urethra of female(EMAPA:31567)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28753>				
	2.	order=3	for EMAPA:28753	3	

Modified Component 395			
ID	EMAPA:31568	Is Group Term	false
Name	nerve of phallic	urethra of male	
Starts At	TS23	Ends At	TS27
Primary Parents		es of urethra GROU. ic urethra of mal	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), nerve of phallic urethra of male(EMAPA:31568)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of phallic urethra of male(EMAPA:31568)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), nerve of phallic urethra of male(EMAPA:31568)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of phallic urethra of male(EMAPA:31568)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17956>		
	2. order=5	for EMAPA:17956	

Modified Componen	t 396		
ID	EMAPA:31552	Is Group Term	false

Modified Component 396			
Name	mesenchymal layer	of dorsal pelvic	urethra of male
Starts At	TS23	Ends At	TS25
Primary Parents	EMAPA:28703[mesen	chymal layer of p	elvic urethra of
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18693), mesenchymal layer of pelvic urethra of male(EMAPA:28703), mesenchymal layer of dorsal pelvic urethra of male(EMAPA:31552)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), mesenchymal layer of pelvic urethra of male(EMAPA:28703), mesenchymal layer of dorsal pelvic urethra of male(EMAPA:31552)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28703>		
	2. order=0	for EMAPA:28703	

Modified Component 397			
ID	EMAPA:31553	Is Group Term	false
Name	mesenchymal layer female	of ventral pelvi	c urethra of
Starts At	TS23	Ends At	TS25
Primary Parents	EMAPA:28765[mesen female]	chymal layer of p	elvic urethra of
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), mesenchymal layer of pelvic urethra of female(EMAPA:28765), mesenchymal layer of ventral pelvic urethra of female(EMAPA:31553)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), mesenchymal layer of pelvic urethra of female(EMAPA:28765), mesenchymal layer of ventral pelvic urethra of female(EMAPA:31553)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28765>		
	2. order=1	for EMAPA:28765	

Modified Component 398			
ID	EMAPA:31554	Is Group Term	false
	mesenchymal layer female	of dorsal pelvic	urethra of

Modified Component 398			
Starts At	TS23	Ends At	TS25
Primary Parents	EMAPA:28765[mesen female]	chymal layer of pe	elvic urethra of
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), mesenchymal layer of pelvic urethra of female(EMAPA:28765), mesenchymal layer of dorsal pelvic urethra of female(EMAPA:31554)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), mesenchymal layer of pelvic urethra of female(EMAPA:28765), mesenchymal layer of dorsal pelvic urethra of female(EMAPA:31554)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28765>		
	2. order=0	for EMAPA:28765	

Modified Componer	nt 399		
ID	EMAPA:18680	Is Group Term	false
Name	genital tubercle	of female	
Starts At	TS20	Ends At	TS27
Primary Parents	EMAPA: 28540 [femal	e external genita e associated repr 17959[female repr	oductive
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 89), organ system( MAPA:16245), repro 81), female reprod 59), genital tuber 80)]	EMAPA:16103), ductive uctive
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 39), organ system( MAPA:16245), repro 31), female reprod 59), female associ	EMAPA:16103), ductive uctive

Modified Component 399				
	structure(EMAPA:28540), genital tubercle of female(EMAPA:18680)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30984>  2. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:17959>  3. Different Order - Referenced Component has no order entries; This Component has order entries; This Component has order entry <2 for EMAPA:28540>			
	4. order=12 for EMAPA:17959 order=2 for EMAPA:28540 order=0 for EMAPA:30984			

Modified Component 400				
ID	EMAPA:31555	Is Group Term	false	
Name	muscle layer of v	entral pelvic ure	thra of male	
Starts At	TS23	Ends At	TS25	
Primary Parents	EMAPA:28709[muscl	e layer of pelvic	urethra of male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), muscle layer of pelvic urethra of male(EMAPA:28709), muscle layer of ventral pelvic urethra of male(EMAPA:31555)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), muscle layer of pelvic urethra of male(EMAPA:28709), muscle layer of ventral pelvic urethra of male(EMAPA:31555)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28709>			
	2. order=1	for EMAPA:28709		

Modified Component 401				
ID	EMAPA:31550	Is Group Term	false	
Name	mesenchymal layer	of ventral pelvi	c urethra of male	
Starts At	TS23	Ends At	TS25	
Primary Parents	EMAPA:28703[mesenchymal layer of pelvic urethra of male]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy	(EMAPA:0), mouse(	EMAPA:25765),	

Modified Component 401					
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), mesenchymal layer of pelvic urethra of male(EMAPA:28703), mesenchymal layer of ventral pelvic urethra of male(EMAPA:31550)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), mesenchymal layer of pelvic urethra of male(EMAPA:28703), mesenchymal layer of ventral pelvic urethra of male(EMAPA:31550)]				
Rule Status	PASSED	Edit	Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28703>				
	2. ord	ler=1 for	EMAPA:2870	13	

Modified Component 402				
ID	EMAPA:31551	Is Group Term	false	
Name	nerve of phallic	urethra of female		
Starts At	TS23	Ends At	TS28	
Primary Parents		es of urethra GROU ic urethra of fem		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), nerve of phallic urethra of female(EMAPA:31551)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of phallic urethra of female(EMAPA:31551)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), nerve of phallic urethra of female(EMAPA:31551)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nerves of urethra GROUP(EMAPA:31569), nerve of phallic urethra of female(EMAPA:31551)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:30917>			
	2. order=5 for EMAPA:30917			

Modified Component 403				
ID	EMAPA:18686	Is Group Term	false	
Name	germ cell of testis			
Starts At	TS23 Ends At TS27			

Modified Component 403				
Primary Parents	EMAPA:18685[seminiferous cord]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685), germ cell of testis(EMAPA:18686)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685), germ cell of testis(EMAPA:18686)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18685>			
	2. order=1 for EMAPA:18685			

Modified Component 404				
ID	EMAPA:18685	Is Group Term	false	
Name	seminiferous cord			
Starts At	TS23	Ends At	TS27	
Primary Parents	EMAPA:17972[testi	s]		
Group Parents				
Synonyms	[seminiferous tub	ule]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17972>			
	2. order=4	for EMAPA:17972		

Modified Component 405				
ID	EMAPA:18687	Is Group Term	false	
Name	interstitium of t	he testis		
Starts At	TS20 Ends At TS28			
Primary Parents	EMAPA:17972[testis]			
Group Parents				
Synonyms	[interstitial tissue]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive			

Modified Component 405				
	system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17972>			
	2. order=2	for EMAPA:17972		

Modified Component 406				
ID	EMAPA:31556	Is Group Term	false	
Name	muscle layer of d	orsal pelvic uret	hra of male	
Starts At	TS23	Ends At	TS25	
Primary Parents	EMAPA:28709[muscl	e layer of pelvic	urethra of male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), muscle layer of pelvic urethra of male(EMAPA:28709), muscle layer of dorsal pelvic urethra of male(EMAPA:31556)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995), muscle layer of pelvic urethra of male(EMAPA:28709), muscle layer of dorsal pelvic urethra of male(EMAPA:31556)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28709>			
	2. order=0	for EMAPA:28709		

Modified Component 407				
ID	EMAPA:18682	Is Group Term	false	
Name	penis			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:30977[male EMAPA:17968[male			
Group Parents				
Synonyms	[genital tubercle of male]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682)]			

Modified Component 407				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30977>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <21 for EMAPA:17968>			
	3. order=21 order=1 for EMAPA	for EMAPA:17968 1:30977		

Modified Component 408			
ID	EMAPA:31557	Is Group Term	false
Name	nerve of caudal u	rethra	
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:30895[cauda	l urethra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), caudal urethra(EMAPA:30895), nerve of caudal urethra(EMAPA:31557)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), caudal urethra(EMAPA:30895), nerve of caudal urethra(EMAPA:31557)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30895>		
	2. order=0	for EMAPA:30895	

Modified Component 409			
ID	EMAPA:18681	Is Group Term	false
Name	ductus deferens		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:17968[male reproductive system] EMAPA:28533[male associated reproductive structure]		
Group Parents			
Synonyms	[vas deferens]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		

Modified Component 409			
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:17968>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28533>		
	3. order=13 for EMAPA:17968 order=3 for EMAPA:28533		

Modified Component 410			
ID	EMAPA:31558	Is Group Term	false
Name	nerve of pelvic u	rethra	
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:30893[pelvi	c urethra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), nerve of pelvic urethra(EMAPA:31558)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), nerve of pelvic urethra(EMAPA:31558)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30893>		
	2. order=1	for EMAPA:30893	

Modified Component 411			
ID	EMAPA:31559	Is Group Term	false
Name	muscle layer of v	entral pelvic ure	thra of female
Starts At	TS23	Ends At	TS25
Primary Parents	EMAPA:28771[muscle layer of pelvic urethra of female]		
Group Parents			
Synonyms	[]		

Modified Componen	t 411	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), muscle layer of pelvic urethra of female(EMAPA:28771), muscle layer of ventral pelvic urethra of female(EMAPA:31559)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), pelvic urethra of female(EMAPA:28753), muscle layer of pelvic urethra of female(EMAPA:28771), muscle layer of ventral pelvic urethra of female(EMAPA:31559)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28771>	
	2. order=1 for EMAPA:28771	

Modified Component 412				
ID	EMAPA:18678 Is Group Term false			
Name	minor			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:18676[calyx	:]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), calyx(EMAPA:18676), minor(EMAPA:18678)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), calyx(EMAPA:18676), minor(EMAPA:18678)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18676>			
	2. order=1	for EMAPA:18676		

Modified Component 413			
ID	EMAPA:18679	Is Group Term	false
Name	renal capsule		
Starts At	TS20	Ends At	TS28
Primary Parents	EMAPA:17373[metan	ephros]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal capsule(EMAPA:18679)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),		

Modified Component 413			
	renal capsule(EMA	PA:18679)]	
Rule Status	PASSED	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17373>		
	2. order=0	for EMAPA:17373	

Modified Compor	nent 414			
ID	EMAPA:31540	Is Group Term	false	
Name	renal connecting	g segment of renal	vesicle	
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA: 27829[rena	al vesicle]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17352), renal vesicle(EMAPA:27829), renal connecting segment of renal vesicle(EMAPA:31540)]		
Alternate Paths	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA:075 renal vesicle(EMAPA:075 renal vesicle(EMAPA:07	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:27829), renal connecting segment of renal vesicle(EMAPA:31540)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366) metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27829), renal connecting segment of renal vesicle(EMAPA:31540)]		m(EMAPA:17366), ephron	
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 renal cortex(EMAPA:273 vesicle(EMAPA:273	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal vesicle(EMAPA:27829), renal connecting segment of renal vesicle(EMAPA:31540)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:27829), renal connecting segment of renal vesicle(EMAPA:31540)]		(EMAPA:16103), ary EMAPA:17373),	
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 early nephron GF	atomy(EMAPA:0), mou 039), organ system EMAPA:16245), urina 866), metanephros(I ROUP(EMAPA:17954), 7829), renal connec MAPA:31540)]	(EMAPA:16103), ary EMAPA:17373), renal	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		s; This Component h	nced Component has nas order entry <0	
	2. order=0	) for EMAPA:27829		

Modified Component	415	

Modified Compon	ent 415
ID	EMAPA:31543 Is Group Term false
Name	early proximal tubule of capillary loop nephron
Starts At	TS25 Ends At TS27
Primary Parents	EMAPA:28284[early proximal tubule] EMAPA:31571[cortical renal tubule of capillary loop nephron GROUP]
Group Parents	
Synonyms	[anlage of proximal tubule]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]

#### Modified Component 415

- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),

```
mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
```

- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),

Modified Componen	t 415			
	renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]			
	24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31543)]			
	25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]  26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule (EMAPA:18076), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron (EMAPA:31543)]			
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284), early proximal tubule of capillary loop nephron(EMAPA:31543)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28284>			
	2. order=0 for EMAPA:28284			

Modified Component 416				
ID	EMAPA:31544	Is Group Term	false	
Name	early proximal tu	bule of capillary	loop nephron	
Starts At	TS22	Ends At	TS24	
Primary Parents	EMAPA:28003[early EMAPA:31571[corti nephron GROUP]	proximal tubule] cal renal tubule	of capillary loop	
Group Parents				
Synonyms	[anlage of proximal tubule]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature			

```
nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
```

- 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
  organ system(EMAPA:16103), visceral

#### Modified Component 416

```
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
```

- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:18976), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]

#### Modified Component 416

- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of capillary loop nephron(EMAPA:31544)]
- 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary

Modified Component 416				
	system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571), early proximal tubule of capillary loop nephron(EMAPA:31544)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28003>			
	2.	order=0	for EMAPA:28003	

Modified Component 417				
ID	EMAPA:31541	Is Group Term	false	
Name	renal connecting	segment of renal	vesicle	
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:27678[renal	vesicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal vesicle(EMAPA:27678), renal connecting segment of renal vesicle(EMAPA:31541)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678), renal connecting segment of renal vesicle(EMAPA:31541)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal vesicle(EMAPA:27678), renal connecting segment of renal vesicle(EMAPA:31541)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678), renal connecting segment of			
Rule Status	renal vesicle(EMA	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA: 27678>			
	2. order=0	for EMAPA:27678		

Modified Component 418				
ID	EMAPA:31542	Is Group Term	false	
Name	early proximal tu	bule of maturing	nephron	
Starts At	TS22 Ends At TS24			
Primary Parents	EMAPA:28003[early proximal tubule] EMAPA:31570[cortical renal tubule of maturing nephron GROUP]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy	(EMAPA:0), mouse(	EMAPA:25765),	

### Modified Component 418 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)] Alternate Paths [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA: 28491), cortical renal tubule(EMAPA: 18976), early proximal tubule(EMAPA: 28003), early proximal tubule of maturing nephron(EMAPA:31542)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of |maturing nephron(EMAPA:31542)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

organ system(EMAPA:16103), visceral

```
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
```

- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31570), nephron(EMAPA:31542)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary

```
loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
```

- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
- 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]
- 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), early proximal tubule(EMAPA:28003), early proximal tubule of maturing nephron(EMAPA:31542)]
- 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary

Modified Component 418						
	system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), early proximal tubule of maturing nephron(EMAPA:31542)]					
Rule Status	PASSED		Edit Status		CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28003>					
	2.	order=1	for EMAPA:2	8003		

Modified Component 419					
ID	EMAPA:31547	Is Group Term	false		
Name	proximal renal	proximal renal vesicle			
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA:27829[re	nal vesicle]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(El organ(EMAPA:16 metanephros(EM cortex(EMAPA:1	omy(EMAPA:0), mou MAPA:16103), visc 245), urinary sys APA:17373), renal 7952), renal vesi vesicle(EMAPA:31	eral tem(EMAPA:17366), cle(EMAPA:27829),		
Alternate Paths	organ system(E) organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 renal vesicle(	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:27829), proximal renal vesicle(EMAPA:31547)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1736 metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27829 proximal renal vesicle(EMAPA:31547)]				
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal cortex(E) vesicle(EMAPA:	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal vesicle(EMAPA:27829), proximal renal vesicle(EMAPA:31547)]			
4. [Abstract anatomy(EMAPA:0), mouse(EMAPA embryo(EMAPA:16039), organ system(EMAPA:16 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:173 renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:2 proximal renal vesicle(EMAPA:31547)]			em(EMAPA:16103), inary s(EMAPA:17373), y cle(EMAPA:27829),		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 early nephron vesicle(EMAPA:	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27829), proximal renal vesicle(EMAPA:31547)]			
Rule Status	PASSED	Edit Status	CHANGED		
Comments		es; This Componen	renced Component has t has order entry <2		
	2. order	=2 for EMAPA:2782	9		

Modified Compor	nent 420				
ID	EMAPA:31548	Is Group Term	false		
Name	distal renal vesi	distal renal vesicle			
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA: 27829[rena]	l vesicle]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795	y(EMAPA:0), mouse(PA:16103), viscera 5), urinary system A:17373), renal 52), renal vesicle Lcle(EMAPA:31548)]	11 1(EMAPA:17366), 2(EMAPA:27829),		
Alternate Paths	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA:1795 renal vesicle(EMAPA:315	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:27829), distal renal vesicle(EMAPA:31548)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			
	organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27829), distal renal vesicle(EMAPA:31548)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal vesicle(EMAPA:27829), distal renal vesicle(EMAPA:31548)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA:27829), distal renal vesicle(EMAPA:31548)]				
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRO vesicle(EMAPA:278	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27829), distal renal vesicle(EMAPA:31548)]			
Rule Status	PASSED	Edit Status	CHANGED		
Comments		no order entries; This Component has order entry <1			
	2. order=1	for EMAPA:27829			

Modified Component 421				
ID	EMAPA:31545	Is Group Term	false	
Name	renal connecting	segment of comma-	shaped body	
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27835[comma-shaped body]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped			

Modified Component 421				
	body(EMAPA:27835), renal connecting segment of comma-shaped body(EMAPA:31545)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835), renal connecting segment of comma-shaped body(EMAPA:31545)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped body(EMAPA:27835), renal connecting segment of comma-shaped body(EMAPA:31545)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835), renal connecting segment of comma-shaped body(EMAPA:31545)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27835>			
	2. order=2 for EMAPA:27835			

Modified Component 422				
ID	EMAPA:31546	Is Group Term	false	
Name	renal connecting	segment of comma-	shaped body	
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA: 27681 [comma	a-shaped body]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA	r(EMAPA:0), mouse(PA:16103), viscera 5), urinary system A:17373), comma-sh 1, renal connectin r(EMAPA:31546)]	l (EMAPA:17366), aped	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681), renal connecting segment of comma-shaped body(EMAPA:31546)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), comma-shaped body(EMAPA:27681), renal connecting segment of comma-shaped body(EMAPA:31546)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27681), renal connecting segment of comma-shaped body(EMAPA:31546)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments			ced Component has as order entry <2	

Modified Component	: 422	
	2.	order=2 for EMAPA:27681

Modified Compor	EMAPA: 31549	Is Group Term	false	
			laise	
Name	proximal renal	vesicle		
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:27678[re	enal vesicle]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM vesicle(EMAPA:	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal vesicle(EMAPA:27678), proximal renal vesicle(EMAPA:31549)]		
Alternate Paths	organ system(E organ(EMAPA:16 metanephros(EM GROUP(EMAPA:17	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678), proximal renal vesicle(EMAPA:31549)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal vesicle(	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal vesicle(EMAPA:27678), proximal renal vesicle(EMAPA:31549)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 early nephron vesicle(EMAPA:	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678), proximal renal vesicle(EMAPA:31549)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entri	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27678>		
	2. order=2 for EMAPA:27678			

Modified Component 424				
ID	EMAPA:27895	Is Group Term	false	
Name	visceral epitheli	um		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27883[proxi	mal segment of s-	shaped body]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), visceral epithelium(EMAPA:27895)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), visceral epithelium(EMAPA:27895)]			

Modified Component 424				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), visceral epithelium(EMAPA:27895)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), visceral epithelium(EMAPA:27895)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), visceral epithelium(EMAPA:27895)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), visceral epithelium(EMAPA:27895)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27883>			
	2. order=0 for EMAPA:27883			

Modified Component 425				
ID	EMAPA:31530	Is Group Term	false	
Name	proximal urethral	epithelium of fer	male	
Starts At	TS21	Ends At	TS23	
Primary Parents	EMAPA:30470[ureth	ral epithelium of	female]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), proximal urethral epithelium of female(EMAPA:31530)]			
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:2 female(EMAPA:3047 of female(EMAPA:3047 of female(EMAPA:3047 of system(EMAPA:1738 system(EMAPA:1738 system(EMAPA:1738 system(EMAPA:1738 system(EMAPA:1738 system(EMAPA:1738 female(EMAPA:1868	1), female reprodu 9), female associa 8540), genital tul 0), urethral epitl 0), proximal ureth 1530)] omy(EMAPA:0), mous A:16103), visceral	uctive ated reproductive bercle of helium of hral epithelium  se(EMAPA:25765), l  uctive al bercle of helium of	

Modified Component 425				
	of female(EMAPA:31530)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), proximal urethral epithelium of female(EMAPA:31530)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), proximal urethral epithelium of female(EMAPA:31530)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), proximal urethral epithelium of female(EMAPA:31530)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30470>			
	2. order=1 for EMAPA:30470			

Modified Component 426			
ID	EMAPA:31531	Is Group Term	false
Name	urethral opening	of female	
Starts At	TS21	Ends At	TS23
Primary Parents	EMAPA:30470[ureth	nral epithelium of	female]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), urethral opening of female(EMAPA:31531)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), urethral opening of female(EMAPA:31531)]		
	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3 female(EMAPA:1868	31), female reprod 59), female extern 30984), genital tu 30), urethral epit 70), urethral open	l uctive al bercle of helium of
		comy(EMAPA:0), mou 39), organ system(	

Modified Component 426				
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), urethral opening of female(EMAPA:31531)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), urethral opening of female(EMAPA:31531)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), urethral opening of female(EMAPA:31531)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30470>			
	2. order=2 for EMAPA:30470			

Modified Component 427				
ID	EMAPA:31532	Is Group Term	false	
Name	developing vascul	ature of urogenit	al sinus	
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:31563[devel system GROUP] EMA	oping vasculature PA:17379[urogenit	of urinary al sinus]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), developing vasculature of urogenital sinus(EMAPA:31532)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), developing vasculature of urogenital sinus(EMAPA:31532)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), developing vasculature of urogenital sinus(EMAPA:31532)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), developing vasculature of urogenital sinus(EMAPA:31532)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17379>			
	2. order=2	for EMAPA:17379		

Modified Component 428				
ID	EMAPA:31533	Is Group Term	false	
Name	nerves of urogeni	tal sinus		
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:17379[uroge	nital sinus]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), nerves of urogenital sinus(EMAPA:31533)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), nerves of urogenital sinus(EMAPA:31533)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17379>			
	2. order=3 for EMAPA:17379			

ent 429				
EMAPA:31534	Is Group Term	false		
mesenchyme of	proximal genital	tubercle of female		
TS21	Ends At	TS22		
EMAPA:31506[pr	oximal genital tu	ubercle of female]		
[]				
organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 female(EMAPA:1 female(EMAPA:3	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), mesenchyme of proximal genital tubercle of female(EMAPA:31506)			
1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), mesenchyme of proximal genital tubercle of female(EMAPA:31506)				
2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), mesenchyme of proximal genital tubercle of female(EMAPA:31506).				
3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), mesenchyme of proximal genital tubercle of female(EMAPA:31506).				
	mesenchyme of  TS21  EMAPA:31506[pr  []  [Abstract anatorgan system(EMAPA:16 system(EMAPA:1 female(EMAPA:1 female(EMAPA:16 system(EMAPA:16 sys	EMAPA:31534    Is Group Term		

Modified Componen	ıt 429				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), mesenchyme of proximal genital tubercle of female(EMAPA:31506)				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), mesenchyme of proximal genital tubercle of female(EMAPA:31506)				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31506>				
	2. order=1	for EMAPA:31506			

Modified Compone	nt 430				
ID	EMAPA: 27877	Is Group Term	false		
Name	medial segment of s-shaped body				
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA: 27853[s-sha	aped body]			
Group Parents					
Synonyms	[mid-portion of s	s-shaped body]			
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795	y(EMAPA:0), mouse( PA:16103), viscera 5), urinary system A:17373), renal 52), s-shaped body(EM	1 (EMAPA:17366), (EMAPA:27853),		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), medial segment of s-shaped body(EMAPA:27877)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), medial segment of s-shaped body(EMAPA:27877)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), medial segment of s-shaped body(EMAPA:27877)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 embryo(EMAPA:16039), organ system(EMAPA:16103 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373) renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:2785 medial segment of s-shaped body(EMAPA:27877)]				
	embryo(EMAPA:1603 visceral organ(EM	comy(EMAPA:0), mou 39), organ system( MAPA:16245), urina 56), metanephros(E	EMAPA:16103),		

Modified Comp	onent 430		
		n GROUP(EMAPA:1795 7853), medial segm 7877)]	
Rule Status	PASSED	Edit Status	CHANGED
Comments		ries; This Compone	erenced Component has nt has order entry <2
	2. orde	er=2 for EMAPA:278	53

	nt 431					
ID	EMAPA:31535	Is Group Term	false			
Name	surface epithel female	surface epithelium of proximal genital tubercle of female				
Starts At	TS21	Ends At	TS22			
Primary Parents	EMAPA:31506[pro	oximal genital tu	bercle of female]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EN organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 female(EMAPA:32 female(EMAPA:33	omy(EMAPA:0), mou MAPA:16103), visc 245), reproductiv 7381), female rep 7959), genital tu 3680), proximal g 1506), surface ep le of female(EMAP	eral e productive bercle of enital tubercle of withelium of proximal			
Alternate Paths	organ system(EN organ(EMAPA:162 system(EMAPA:17 system(EMAPA:18 structure(EMAPA:18 female(EMAPA:3	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), surface epithelium of proximal genital tubercle of female(EMAPA:31506)]				
	organ system(EN organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA:18 female(EMAPA:33 genital tuberc)  3. [Abstract arembryo(EMAPA:16 visceral organ system(EMAPA:17 system(EMAPA:17 female(EMAPA:33 female(EMAPA:33 female(EMAPA:33 female(EMAPA:33 female(EMAPA:33 female(EMAPA:33 female(EMAPA:33 female(EMAPA:34 female(EMAPA:35 female(EMAPA	MAPA:16103), visc 245), reproductiv 7381), female rep 7959), female ext A:30984), genital 3680), proximal g 1506), surface ep le of female(EMAP natomy(EMAPA:0), (EMAPA:16245), re (EMAPA:16245), re 7381), female rep 7959), genital tu 3680), proximal g	re productive ernal tubercle of enital tubercle of ithelium of proximal A:31535)]  mouse(EMAPA:25765), em(EMAPA:16103), productive roductive bercle of enital tubercle of ithelium of proximal			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA embryo(EMAPA:16039), organ system(EMAPA:16:0visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive system(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), surface epithelium of genital tubercle of female(EMAPA:31535)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA embryo(EMAPA:16039), organ system(EMAPA:16039), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female external genitalia(EMAPA:30984), genital tubercle organitalia(EMAPA:30984), genital tubercle organicalia(EMAPA:30984), genitalia(EMAPA:30984)					

Modified Component 431					
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31506>				
	2. order=0	for EMAPA:31506			

Modified Compone	nt 432					
ID	EMAPA:31536	Is Group Term	false			
Name	distal urethral e	distal urethral epithelium of female				
Starts At	TS21	Ends At	TS23			
Primary Parents	EMAPA:30470[ureth	nral epithelium of	female]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 female(EMAPA:1868	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), distal urethral epithelium of				
Alternate Paths	organ system(EMAPA organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:26 female(EMAPA:3047 female(EMAPA:3153 female(EMAPA:3153 female(EMAPA:16245 system(EMAPA:1795 genitalia(EMAPA:3686 female(EMAPA:1868 female	31), female reprod 59), female associ 28540), genital tu 30), urethral epit 7(0), distal urethr 36)]  comy(EMAPA:0), mouva:16103), viscera 51), reproductive 31), female reprod 59), female extern 30984), genital tu 30), urethral epit	uctive ated reproductive bercle of helium of al epithelium of  se(EMAPA:25765), l  uctive al bercle of helium of			
	female(EMAPA:30470), distal urethral epithelium of female(EMAPA:31536)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), distal urethral epithelium of female(EMAPA:30470), organ system(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female associated reproductive system(EMAPA:18680), urethral epithelium of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), distal urethral epithelium of female(EMAPA:31536)]					
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3 female(EMAPA:1868	comy(EMAPA:0), mou 39), organ system( MAPA:16245), repro 31), female reprod 59), female extern 30984), genital tu 30), urethral epit 70), distal urethr	EMAPA:16103), ductive uctive al bercle of helium of			
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Differer no order entries;	nt Order - Referen This Component h	ced Component has as order entry <0			

Modified Componen	t 432				
	for EMAP	A:30470>			
	2.	order=0	for	EMAPA:30470	

Modified Component 433						
ID	EMAPA: 31537					
Name	developing vascul	lature of male mes	onephros			
Starts At	TS20	Ends At	TS23			
Primary Parents	EMAPA:29138[mesor EMAPA:31564[devel system GROUP]	nephros of male] Loping vasculature	of reproductive			
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), developing vasculature of male mesonephros(EMAPA:31537)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of male mesonephros(EMAPA:31537)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of male mesonephros(EMAPA:31537)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), developing vasculature of male mesonephros(EMAPA:31537)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:29138>					
	2. order=7	for EMAPA:29138				

Modified Component 434					
ID	EMAPA: 31538				
Name	developing vascul	ature of female me	esonephros		
Starts At	TS20	Ends At	TS23		
Primary Parents		oping vasculature PA:28909[mesoneph			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), developing vasculature of female mesonephros(EMAPA:31538)]				
Alternate Paths		omy(EMAPA:0), mous A:16103), visceral			

Modified Componen	t 434				
	organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of female mesonephros(EMAPA:31538)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system GROUP(EMAPA:31564), developing vasculature of female mesonephros(EMAPA:31538)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), developing vasculature of female mesonephros(EMAPA:31538)]				EMAPA:16103), ductive uctive f
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:28909>				
	2.	order=8	for EMAPA:2	8909	

Modified Component 435						
ID	EMAPA:31539					
Name	developing vascul	ature of primitiv	e bladder			
Starts At	TS20	Ends At	TS21			
Primary Parents	EMAPA:31563[devel system GROUP] EMA	oping vasculature APA:30870[primitiv	of urinary e bladder]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAF organ(EMAPA:16245 urogenital sinus( bladder(EMAPA:308	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), developing vasculature of primitive bladder(EMAPA:31539)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), developing vasculature of primitive bladder(EMAPA:31539)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), developing vasculature of primitive bladder(EMAPA:31539)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), developing vasculature of primitive bladder(EMAPA:31539)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30870>					
	2. order=2	for EMAPA:30870				

Modified Component 436			
ID	EMAPA: 27883	Is Group Term	false

Modified Componer	nt 436			
Name	proximal segment of s-shaped body			
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27853[s-sha	ped body]		
Group Parents				
Synonyms	[lower limb of s-	shaped body]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27883)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17352), early tubule(EMAPA:28500), s-shaped body(EMAPA:27883)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27853>			
	2. order=3 for EMAPA:27853			

Modified Component 437			
ID	EMAPA:27865	Is Group Term	false
Name	renal connecting	tubule of s-shaped	d body
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:27853[s-sha	ped body]	
Group Parents			
Synonyms			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), renal connecting tubule of s-shaped body(EMAPA:27865)]		

Modified Componen	t 437		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), renal connecting tubule of s-shaped body(EMAPA:27865)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), renal connecting tubule of s-shaped body(EMAPA:27865)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), renal connecting tubule of s-shaped body(EMAPA:27865)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), renal connecting tubule of s-shaped body(EMAPA:27865)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), renal connecting tubule of s-shaped body(EMAPA:27865)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27853>		
	2. order=0	for EMAPA:27853	

Modified Component 438			
ID	EMAPA:27871	Is Group Term	false
Name	distal segment of	s-shaped body	
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:27853[s-sha	ped body]	
Group Parents			
Synonyms	[upper limb of s-	shaped body]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), distal segment of s-shaped body(EMAPA:27871)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), shaped body(EMAPA:27853), distal segment of shaped body(EMAPA:27871)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), distal segment of s-shaped body(EMAPA:27871)]		

Modified Componen	t 438		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), distal segment of s-shaped body(EMAPA:27871)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), distal segment of s-shaped body(EMAPA:27871)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), distal segment of s-shaped body(EMAPA:27871)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27853>		
	2. order=1 for EMAPA:27853		

Modified Compor	ent 439			
ID	EMAPA: 27853	Is Group Term	false	
Name	s-shaped body			
Starts At	TS22	Ends At	TS27	
Primary Parents		enal cortex] EMAF 28500[early tubul	PA:17954[early nephron e]	
Group Parents				
Synonyms	[stage II nep	hron]		
Primary Path	organ system() organ(EMAPA:1 metanephros(E	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853)]		
Alternate Paths	organ system() organ(EMAPA:1 metanephros(E cortex(EMAPA:	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853)]		
	organ system() organ(EMAPA:1 metanephros(E			
	embryo(EMAPA: visceral orga: system(EMAPA: renal cortex(	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17373),			

Modified Component 439			
	early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28500>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:17952>		
	3. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17954>		
	4. order=1 for EMAPA:28500 order=6 for EMAPA:17954 order=2 for EMAPA:17952		

Modified Component 440				
ID	EMAPA:27841	Is Group Term	false	
Name	upper limb of com	ma-shaped body		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA: 27835 [comma	-shaped body]		
Group Parents				
Synonyms	[distal limb of o	omma-shaped body]		
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped body(EMAPA:27835), upper limb of comma-shaped body(EMAPA:27841)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835), upper limb of comma-shaped body(EMAPA:27841)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped body(EMAPA:27835), upper limb of comma-shaped body(EMAPA:27841)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835), upper limb of comma-shaped body(EMAPA:27841)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27835>			
	2. order=0 for EMAPA:27835			

Modified Component 441				
ID	EMAPA: 27847 Is Group Term false			
Name	lower limb of comma-shaped body			
Starts At	TS22 Ends At TS27			
Primary Parents	EMAPA:27835[comma-shaped body]			

Modified Component 441			
Group Parents			
Synonyms	[proximal limb of comma-shaped body]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped body(EMAPA:27835), lower limb of comma-shaped body(EMAPA:27847)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835), lower limb of comma-shaped body(EMAPA:27847)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped body(EMAPA:27835), lower limb of comma-shaped body(EMAPA:27847)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835), lower limb of comma-shaped body(EMAPA:27847)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27835>		
	2. order=1 for EMAPA:27835		

Modified Component 442				
ID	EMAPA:31582	Is Group Term	false	
Name	distal renal vesi	cle		
Starts At	TS20 Ends At TS21			
Primary Parents	EMAPA:27678[renal	vesicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal vesicle(EMAPA:27678), distal renal vesicle(EMAPA:31582)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678), distal renal vesicle(EMAPA:31582)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal vesicle(EMAPA:27678), distal renal vesicle(EMAPA:31582)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), renal vesicle(EMAPA:27678), distal renal vesicle(EMAPA:31582)]			

Modified Component 442			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27678>		
	2. order=1	for EMAPA:27678	

Modified Component 443				
ID	EMAPA:31579	Is Group Term	false	
Name	developing vascul	ature of urinary	system	
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17366[urina	ry system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system(EMAPA:31579)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system(EMAPA:31579)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <21 for EMAPA:17366>			
	2. Different Parents - Referenced Component EMAPA:31579 has parents [EMAPA:31581, EMAPA:17366]			
	3. order=21	for EMAPA:17366		

Modified Component 444				
ID	EMAPA:31578	Is Group Term	false	
Name	developing vascul	ature of genitour	inary system	
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), developing vasculature of genitourinary system(EMAPA:31578)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), developing vasculature of genitourinary system(EMAPA:31578)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <17 for EMAPA:16367>			
	2. order=17 for EMAPA:16367			

Modified Component 445			
ID	EMAPA: 27835	Is Group Term	false

Modified Component 445				
Name	comma-shaped body			
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:17952[renal GROUP]	cortex] EMAPA:17	954[early nephron	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped body(EMAPA:27835)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), comma-shaped body(EMAPA:27835)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), comma-shaped body(EMAPA:27835)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17952>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17954>			
	3. order=4 for EMAPA:17954 order=1 for EMAPA:17952			

Modified Component 446				
ID	EMAPA:31571	Is Group Term	true	
Name	cortical renal tu GROUP	bule of capillary	loop nephron	
Starts At	TS22	Ends At	TS27	
Primary Parents				
Group Parents	EMAPA:18976[corti	cal renal tubule]		
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),			

```
metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
```

- 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),

Modified Component 446				
	visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]			
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of capillary loop nephron GROUP(EMAPA:31571)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:18976>			
	2. order=6	for EMAPA:18976		

ID	EMAPA:31570	Is Group Term	true		
Name	cortical renal	tubule of maturin	ng nephron GROUP		
Starts At	TS22	Ends At	TS27		
Primary Parents					
Group Parents	EMAPA:18976[cor	tical renal tubul	le]		
Synonyms	[]				
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 cortex(EMAPA:17	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of			
Alternate Paths			eral tem(EMAPA:17366), e cenal enal tubule of		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renat tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)]				
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 cortical renal	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)]			
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 cortical renal	MAPA:16103), visce 245), urinary syst APA:17373), renal 2952), maturing ne	tem(EMAPA:17366), aphron(EMAPA:28485) 76), cortical renal		

## Modified Component 447 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570) 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA: 28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)] 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)] 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)] 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)] 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA: 17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570)] PASSED Edit Status CHANGED Rule Status 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry < for EMAPA: 18976> order=7 for EMAPA:18976

Modified Component 448				
ID	EMAPA:31573	Is Group Term	false	
Name	mesenchyme of pelvic urethra			
Starts At	TS21	Ends At	TS21	

Modified Component 448				
Primary Parents	EMAPA:30893[pelvi	.c urethra]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), mesenchyme of pelvic urethra(EMAPA:31573)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), mesenchyme of pelvic urethra(EMAPA:31573)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30893>			
	2. order=0	for EMAPA:30893		

1151 1 7				
Modified Componer	1t 449	1	1	
ID	EMAPA:31572	Is Group Term	false	
Name	dorsal mesenchyme	of pelvic urethr	a	
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:31573[mesen	chyme of pelvic u	rethra]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), mesenchyme of pelvic urethra(EMAPA:31573), dorsal mesenchyme of pelvic urethra(EMAPA:31572)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893), mesenchyme of pelvic urethra(EMAPA:31573), dorsal mesenchyme of pelvic urethra(EMAPA:31572)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31573>			
	2. order=0	for EMAPA:31573		

Modified Component 450				
ID	EMAPA:31575	Is Group Term	false	
Name	mesenchymal layer	of dorsal pelvic	urethra	
Starts At	TS22	Ends At	TS22	
Primary Parents	EMAPA:30907[mesenchymal layer of pelvic urethra]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903),			

Modified Component 450			
	mesenchymal layer mesenchymal layer urethra(EMAPA:315	of dorsal pelvic	a(EMAPA:30907),
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM	07), mesenchymal	EMAPA:16103), ry :30901), pelvic layer of pelvic
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30907>		
	2. order=0	for EMAPA:30907	

Modified Component 451			
ID	EMAPA:31574	Is Group Term	false
Name	mesenchymal layer of ventral pelvic urethra		
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:30907[mesen	chymal layer of p	elvic urethra]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), mesenchymal layer of pelvic urethra(EMAPA:30907), mesenchymal layer of ventral pelvic urethra(EMAPA:31574)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), mesenchymal layer of pelvic urethra(EMAPA:30907), mesenchymal layer of ventral pelvic urethra(EMAPA:31574)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30907>		
	2. order=1	for EMAPA:30907	

Modified Component 452			
ID	EMAPA:31577	Is Group Term	false
Name	muscle layer of d	orsal pelvic uret	hra
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:30909[muscl	e layer of pelvic	urethra]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), muscle layer of pelvic urethra(EMAPA:30909), muscle layer of dorsal pelvic urethra(EMAPA:31577)]		
Alternate Paths	visceral organ(EM system(EMAPA:1736	omy(EMAPA:0), mou 9), organ system( APA:16245), urina: 6), urethra(EMAPA 03), muscle layer	EMAPA:16103), ry :30901), pelvic

Г

Modified Component 452			
	urethra(EMAPA:309 urethra(EMAPA:315	09), muscle layer 77)]	of dorsal pelvic
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30909>		
	2. order=0	for EMAPA:30909	

Modified Component 453			
ID	EMAPA:31576	Is Group Term	false
Name	muscle layer of v	entral pelvic ure	thra
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:30909[muscl	e layer of pelvic	urethra]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), muscle layer of pelvic urethra(EMAPA:30909), muscle layer of ventral pelvic urethra(EMAPA:31576)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), muscle layer of pelvic urethra(EMAPA:30909), muscle layer of ventral pelvic urethra(EMAPA:31576)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30909>		
	2. order=1 for EMAPA:30909		

Modified Component 454			
ID	EMAPA:31580	Is Group Term	false
Name	developing vascul	ature of reproduc	tive system
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:17381[repro	ductive system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system(EMAPA:31580)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), developing vasculature of reproductive system(EMAPA:31580)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17381>		
	2. Different Parents - Referenced Component EMAPA:31580 has parents [EMAPA:17381, EMAPA:31581]		
	3. order=5	for EMAPA:17381	

Modified Component 455			
ID	EMAPA:30522	Is Group Term	false
Name	tunica albuginea	of ovary	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:17962[ovary	•]	
Group Parents			
Synonyms	[ovarian capsule]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tunica albuginea of ovary(EMAPA:30522)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), tunica albuginea of ovary(EMAPA:30522)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17962>		
	2. order=1	for EMAPA:17962	

Modified Componen	ent 456			
ID	EMAPA:30528	Is Group Term	false	
Name	cranial mesonephric tubule of male			
Starts At	TS20	Ends At	TS22	
Primary Parents	EMAPA:29148[meson	ephric tubule of 1	male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), cranial mesonephric tubule of male(EMAPA:30528)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), cranial mesonephric tubule of male(EMAPA:30528)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29148>			
	2. order=0	for EMAPA:29148		

Modified Component 457				
ID	EMAPA:29274	Is Group Term	false	
Name	epithelium of ductus deferens			
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:18681[ductus deferens]			

Modified Component 457			
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), epithelium of ductus deferens(EMAPA:29274)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), epithelium of ductus deferens(EMAPA:29274)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), epithelium of ductus deferens(EMAPA:29274)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), epithelium of ductus deferens(EMAPA:29274)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18681>		
	2. order=0 for EMAPA:18681		

ID	EMAPA:29270	Is Group Term	false	
Name	muscle layer of d	luctus deferens		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:18681[ductu	s deferens]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270)]		
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2 deferens(EMAPA:18	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796			
	embryo(EMAPA:1603 visceral organ(EM	comy(EMAPA:0), mou 19), organ system( IAPA:16245), repro 1), male reproduc	EMAPA:16103), ductive	

Modified Component 458			
	system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:18681>		
	2. order=1	for EMAPA:18681	

Modified Component 459				
ID	EMAPA:30536	Is Group Term	false	
Name	rest of cranial m	esonephric tubule	of male	
Starts At	TS20	Ends At	TS22	
Primary Parents	EMAPA:30528[crani	al mesonephric tul	bule of male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), cranial mesonephric tubule of male(EMAPA:30528), rest of cranial mesonephric tubule of tubule of male(EMAPA:30536)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), cranial mesonephric tubule of male(EMAPA:30528), rest of cranial mesonephric tubule of tubule of male(EMAPA:30536)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h		
	2. order=1	for EMAPA:30528		

Modified Component 460			
ID	EMAPA:30532	Is Group Term	false
Name	mesonephric glome	rulus of male	
Starts At	TS20	Ends At	TS22
Primary Parents	EMAPA:30528[crani	al mesonephric tul	bule of male]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), cranial mesonephric tubule of male(EMAPA:30528), mesonephric glomerulus of male(EMAPA:30532)]		
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM	omy(EMAPA:0), mou 9), organ system( APA:16245), repro 1), male reproduc	EMAPA:16103), ductive

Modified Component 460				
	system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), cranial mesonephric tubule of male(EMAPA:30528), mesonephric glomerulus of male(EMAPA:30532)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30528>			
	2. order=0	for EMAPA:30528		

Modified Component 461				
ID	EMAPA: 29288	Is Group Term	false	
Name	glans penis	glans penis		
Starts At	TS24	Ends At	TS24	
Primary Parents	EMAPA:17969[ger	nital tubercle of	male]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17	omy(EMAPA:0), mou MAPA:16103), visc 245), reproductiv 7381), male repro 7968), genital tu 59), glans penis(	eral e ductive bercle of	
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA male(EMAPA:1796)  2. [Abstract ar organ system(EM organ(EMAPA:162 system(EMAPA:1796) system(EMAPA:17 system(EM	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17969), glans penis(EMAPA:29288)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:25765), embryo(EMAPA:17381), male reproductive structure(EMAPA:17381), reproductive system(EMAPA:17969), glans penis(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17381), genital tubercle of male(EMAPA:17381), genital tubercle of male(EMAPA:17381), genital tubercle of male(EMAPA:17381), genital tubercle of male(EMAPA:17386),		
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 structure(EMAPA			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans penis(EMAPA:29288)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entrie			
	2. order=	=6 for EMAPA:1796	9	

Modified Component 462			
ID	EMAPA:29286	Is Group Term	false
Name	rest of the semin	al vesicle	
Starts At	TS24	Ends At	TS24
Primary Parents	EMAPA:19180[semin	al vesicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), rest of the seminal vesicle(EMAPA:29286)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), rest of the seminal vesicle(EMAPA:29286)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:19180>		
	2. order=6	for EMAPA:19180	

Modified Component 463			
ID	EMAPA:29282	Is Group Term	false
Name	duct of the semin	al vesicle	
Starts At	TS24	Ends At	TS27
Primary Parents	EMAPA:19180[semin	al vesicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), duct of the seminal vesicle(EMAPA:29282)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), duct of the seminal vesicle(EMAPA:29282)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19180>		
	2. order=3	for EMAPA:19180	

Modified Component 464				
ID	EMAPA:30547	Is Group Term	false	
Name	mesonephric glomerulus of female			
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:30544[cranial mesonephric tubule of female]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 464			
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919), cranial mesonephric tubule of female(EMAPA:30544), mesonephric glomerulus of female(EMAPA:30547)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919), cranial mesonephric tubule of female(EMAPA:30544), mesonephric glomerulus of female(EMAPA:30547)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30544>		
	2. order=0 for EMAPA:30544		

Modified Component 465			
ID	EMAPA:30544	Is Group Term	false
Name	cranial mesonephric tubule of female		
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:28919[meson	ephric tubule of	female]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919), cranial mesonephric tubule of female(EMAPA:30544)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919), cranial mesonephric tubule of female(EMAPA:30544)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA: 28919>		
	2. order=0	for EMAPA:28919	_

Modified Component 466				
ID	EMAPA:30540	Is Group Term	false	
Name	caudal mesonephri	c tubule of male		
Starts At	TS20	Ends At	TS22	
Primary Parents	EMAPA:29148[mesonephric tubule of male]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Component 466				
	organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), caudal mesonephric tubule of male(EMAPA:30540)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), mesonephric tubule of male(EMAPA:29148), caudal mesonephric tubule of male(EMAPA:30540)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29148>			
	2. order=1	l for EMAPA:29148		

Modified Component 467			
ID	EMAPA:30556	Is Group Term	false
Name	cranial mesonephric tubule of male		
Starts At	TS23	Ends At	TS23
Primary Parents	EMAPA:29138[meson	ephros of male]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), cranial mesonephric tubule of male(EMAPA:30556)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), cranial mesonephric tubule of male(EMAPA:30556)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:29138>		
	2. order=3	for EMAPA:29138	

Modified Component 468			
ID	EMAPA:30558	Is Group Term	false
Name	rest of cranial m	esonephric tubule	
Starts At	TS23	Ends At	TS23
Primary Parents	EMAPA:30556[crani	al mesonephric tul	bule of male]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), cranial mesonephric tubule of male(EMAPA:30556), rest of cranial mesonephric		

Modified Component 468			
	tubule(EMAPA:3055	58)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), cranial mesonephric tubule of male(EMAPA:30556), rest of cranial mesonephric tubule(EMAPA:30558)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30556>		
	2. order=1	for EMAPA:30556	

Modified Component 469				
ID	EMAPA:30553	Is Group Term	false	
Name	caudal mesonephri	c tubule of femal	е	
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA:28919[meson	ephric tubule of	female]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919), caudal mesonephric tubule of female(EMAPA:30553)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919), caudal mesonephric tubule of female(EMAPA:30553)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28919>			
	2. order=1	for EMAPA:28919		

Modified Component 470			
ID	EMAPA:30550	Is Group Term	false
Name	rest of cranial m	esonephric tubule	of female
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:30544[crani	al mesonephric tul	oule of female]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919), cranial mesonephric tubule of female(EMAPA:30544), rest of cranial mesonephric tubule of female(EMAPA:30550)]		
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mous	se(EMAPA:25765),

Modified Component 470				
	visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 female(EMAPA:2890 female(EMAPA:2891	39), organ system( MAPA:16245), reprod 31), female reprod 39), mesonephros o 39), mesonephric t 49), cranial meson 44), rest of crani EMAPA:30550)]	ductive uctive f ubule of ephric tubule of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30544>			
	2. order=1	for EMAPA:30544		

Modified Compor					
ID	EMAPA: 29226	Is Group Term	false		
Name	mesenchyme of ma	mesenchyme of male preputial swelling			
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA: 29220[prep	utial swelling of	male]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAl organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:1796) male(EMAPA:29220	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), mesenchyme of male preputial swelling(EMAPA:29226)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), mesenchyme of male preputial swelling(EMAPA:29220), mesenchyme of male preputial swelling(EMAPA:29226)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17381), male reproductive system(EMAPA:17969), preputial swelling of male(EMAPA:29220), mesenchyme of male preputial swelling(EMAPA:29220)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive system(EMAPA:17969), preputial swelling of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), mesenchyme of male preputial swelling(EMAPA:29220)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:25765), embryo(EMAPA:16039), preputial swelling of male(EMAPA:17969), preputial swelling of male(EMAPA:17381), male reproductive system(EMAPA:17381), male reproductiv				
	embryo(EMAPA:160) visceral organ(El system(EMAPA:173)	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external			

Modified Component 471			
	genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), mesenchyme of male preputial swelling(EMAPA:29226)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:29220>		
	2. order=2	for EMAPA:29220	

Modified Compor	nent 472			
ID	EMAPA:29223	Is Group Term	false	
Name	surface epithel	surface epithelium of male preputial swelling		
Starts At	TS21	Ends At	TS23	
Primary Parents	EMAPA:29220[pre	putial swelling	of male]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:1796 male(EMAPA:2922	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), surface epithelium of male preputial swelling(EMAPA:29223)]		
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA male(EMAPA:1796 male(EMAPA:2922 preputial swell	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), surface epithelium of male preputial swelling(EMAPA:29223)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:17381), male reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), surface epithelium of male preputial swelling(EMAPA:29223)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17383), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), surface epithelium of male preputial swelling (EMAPA:29223)]		
	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA male(EMAPA:1796 male(EMAPA:2922			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 structure(EMAPA: male(EMAPA:1796 male(EMAPA:2922			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), surface epithelium of male preputial swelling(EMAPA:29223)]			
5. [Abstract anatomy(EMAPA:0), mouse(EMAPA embryo(EMAPA:16039), organ system(EMAPA:16 visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), surface epithelium of male(EMAPA:29220)]		em(EMAPA:16103), eproductive ductive rnal tubercle of yelling of chelium of male		

Modified Component 472				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29220>			
	2. order=0	for EMAPA:29220		

Modified Compor			11		
ID	EMAPA: 29220	Is Group Term	false		
Name	preputial swell	ing of male	1		
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA:17969[ger	ital tubercle of ma	ale]		
Group Parents					
Synonyms	[prepuce of mal	e]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17	my(EMAPA:0), mouse(APA:16103), viscera 45), reproductive 381), male reproduc 968), genital tuber 9), preputial swell 0)]	al ctive ccle of		
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA male(EMAPA:1796	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220)]			
	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA male(EMAPA:1796	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 structure(EMAPA male(EMAPA:1796	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:1796 male(EMAPA:1796	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA male(EMAPA:1796	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220)]			
Rule Status	PASSED	Edit Status	CHANGED		
Comments	no order entrie	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17969>			
	2. order=	7 for EMAPA:17969			

Modified Component 474				
ID	EMAPA:16245	Is Group Term	false	
Name	visceral organ			
Starts At	TS12	Ends At	TS28	
Primary Parents	EMAPA:16103[organ	system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:16103>			
	2. order=0	for EMAPA:16103		

Modified Component 475					
ID	EMAPA:30509	Is Group Term	false		
Name	labioscrotal sw	elling of male			
Starts At	TS22	Ends At	TS23		
Primary Parents	EMAPA:17968[mal	e reproductive syst e external genitali	em] a]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMorgan(EMAPA:162 system(EMAPA:17	omy(EMAPA:0), mouse(MAPA:16103), viscera MAPA:16103), viscera MAS), reproductive MAS), male reproductive MAS), labioscrotal	al ctive		
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), labioscrotal swelling of male(EMAPA:30509)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), labioscrotal swelling of male(EMAPA:30509)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), labioscrotal swelling of male(EMAPA:30509)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30977>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <23 for EMAPA:17968>				
		3. order=23 for EMAPA:17968 order=2 for EMAPA:30977			

Modified Component 476			
ID	EMAPA:29244	Is Group Term	false
Name	peritubular myoid	cell	
Starts At	TS23	Ends At	TS27
Primary Parents	EMAPA:18685[semin	iferous cord]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685), peritubular myoid cell(EMAPA:29244)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685), peritubular myoid cell(EMAPA:29244)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18685>		
	2. order=2	for EMAPA:18685	

Modified Componer	nt 477	1	1
ID	EMAPA:30502	Is Group Term	false
Name	preputial gland o	of male	
Starts At	TS21	Ends At	TS23
Primary Parents	EMAPA:29220[prepu	tial swelling of	male]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:17969) male(EMAPA:17969)	31), male reproduc 58), genital tuber , preputial swell , preputial gland	tive cle of ing of
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), preputial gland of male(EMAPA:30502)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), preputial gland of male(EMAPA:30502)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 89), organ system( MAPA:16245), repro 81), male reproduc 88), male associat	EMAPA:16103), ductive tive

Modified Componen	t 477	
	structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), preputial gland of male(EMAPA:30502)]	
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), preputial gland of male(EMAPA:30502)]	
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), preputial swelling of male(EMAPA:29220), preputial gland of male(EMAPA:30502)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29220>	
	2. order=1 for EMAPA:29220	

ID	EMAPA: 29252	Is Group Term	false	
Name		glans of male genital tubercle		
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:17969[gen	ital tubercle of ma	le]	
Group Parents				
Synonyms	[distal genital	tubercle of male,	penis anlage]	
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), glans of male genital		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproducti structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252)]		l tive ed reproductive bercle of	
	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA male(EMAPA:1796	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252)]		
3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2 embryo(EMAPA:16039), organ system(EMAPA:1610 visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reprodustructure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252)]		EMAPA:16103), ductive tive ed reproductive bercle of		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive		EMAPA:16103),	

Modified Component 478			
	system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252)]		EMAPA:16103), ductive tive bercle of
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component ha no order entries; This Component has order entry < for EMAPA:17969>		
	2. order=5	for EMAPA:17969	

Modified Componer	nt 479		
ID	EMAPA:29254	Is Group Term	false
Name	mesenchyme of gla	ns of male genita	l tubercle
Starts At	TS23	Ends At	TS23
Primary Parents	EMAPA:29252[glans	of male genital	tubercle]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), mesenchyme of glans of male genital tubercle(EMAPA:29254)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), mesenchyme of glans of male genital tubercle(EMAPA:29252), mouse(EMAPA:29254)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans of male genital		tive ed reproductive bercle of enital of glans of male  se(EMAPA:25765),  tive bercle of
	genital tubercle(  3. [Abstract anatembryo(EMAPA:1603) visceral organ(EMSystem(EMAPA:1738) system(EMAPA:1796) structure(EMAPA:20) male(EMAPA:17969) tubercle(EMAPA:20) genital tubercle(  4. [Abstract anatembryo(EMAPA:1603) visceral organ(EMSystem(EMAPA:1738) system(EMAPA:1738) male(EMAPA:17969)	EMAPA: 29254)]  comy(EMAPA:0), mou eg), organ system( IAPA:16245), repro eg), male reproduc egs), male associat egs33), genital tu , glans of male g egs252), mesenchyme EMAPA:29254)]  comy(EMAPA:0), mou eg), organ system( IAPA:16245), repro eg), male reproduc egs), genital tuber egglans of male g egs252), mesenchyme	se(EMAPA:25765), EMAPA:16103), ductive tive ed reproductive bercle of enital of glans of male se(EMAPA:25765), EMAPA:16103), ductive tive cle of enital

Modified Component 479			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), mesenchyme of glans of male genital tubercle(EMAPA:29254)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29252>		
	2. order=1	for EMAPA:29252	

ID	EMAPA:29256	Is Group Term	false	
Name	surface epitheli tubercle	surface epithelium of glans of male genital tubercle		
Starts At	TS23	TS23 Ends At TS23		
Primary Parents	EMAPA:29252[glan	s of male genital	l tubercle]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 male(EMAPA:17969	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), surface epithelium of glans		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), surface epithelium of glans of male genital tubercle(EMAPA:29256)]			
	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA: male(EMAPA:17969 tubercle(EMAPA:2	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), surface epithelium of glans of male genital tubercle(EMAPA:29256)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), surface epithelium of glans of male genital tubercle(EMAPA:29256)]			
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:17969 male(EMAPA:27669 tubercle(EMAPA:2	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), surface epithelium of glans of male genital tubercle(EMAPA:29256)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive		
	embryo(EMAPA:160			

Modified Componen	t 480		
	system(EMAPA:1796 genitalia(EMAPA:3 male(EMAPA:17969) tubercle(EMAPA:29	31), male reproduct 58), male external 30977), genital tul 0, glans of male go 2252), surface epit 5 tubercle(EMAPA: 292	bercle of enital thelium of glans
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component han no order entries; This Component has order entry < for EMAPA: 29252>		
	2. order=0	for EMAPA:29252	

Modified Component 481			
ID	EMAPA:30515	Is Group Term	false
Name	surface epitheliu	m of labioscrotal	swelling of male
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:30509[labio	scrotal swelling	of male]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 male(EMAPA:30509)	(EMAPA:0), mouse( A:16103), viscera ), reproductive 1), male reproduc 8), labioscrotal , surface epithel ling of male(EMAP	l tive swelling of ium of
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), labioscrotal swelling of male(EMAPA:30509), surface epithelium of labioscrotal swelling of male(EMAPA:30515)]		tive al swelling of ium of
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:30509) labioscrotal swel 3. [Abstract anat embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 genitalia(EMAPA:3 male(EMAPA:30509)	omy(EMAPA:0), mouse 9), organ system(1) APA:16245), reproduct 1), male reproduct 8), labioscrotal; , surface epithel ling of male(EMAPA:0), mouse 9), organ system(1) APA:16245), reproduct 1), male reproduct 8), male external 0977), labioscrotal, surface epithel ling of male(EMAPA:	EMAPA:16103), ductive tive swelling of ium of A:30515)] se(EMAPA:25765), EMAPA:16103), ductive tive al swelling of ium of
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30509>		
	2. order=0	for EMAPA:30509	

Modified Component 482			
ID	EMAPA:30512	Is Group Term	false
Name	mesenchyme of lab	ioscrotal swelling	g of male
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:30509[labioscrotal swelling of male]		
Group Parents			

Modified Component 482		
Synonyms	[]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), labioscrotal swelling of male(EMAPA:30509), mesenchyme of labioscrotal swelling of male(EMAPA:30509)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), labioscrotal swelling of male(EMAPA:30509), mesenchyme of labioscrotal swelling of male(EMAPA:30512)]	
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), labioscrotal swelling of male(EMAPA:30509), mesenchyme of labioscrotal swelling of male(EMAPA:30512)]	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), labioscrotal swelling of male(EMAPA:30509), mesenchyme of labioscrotal swelling of male(EMAPA:30509)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30509>	
	2. order=1 for EMAPA:30509	

ID	EMAPA:29202	Is Group Term	false	
Name	mesenchyme of d duct of male	mesenchyme of degenerating rest of paramesonephric duct of male		
Starts At	TS22	Ends At	TS23	
Primary Parents	EMAPA:29196[deg duct of male]	enerating rest o	f paramesonephric	
Group Parents				
Synonyms	[]			
	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 paramesonephric mesenchyme of d	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), degenerating rest of paramesonephric duct of male(EMAPA:29196), mesenchyme of degenerating rest of paramesonephric duct of male(EMAPA:29202)]		
Alternate Paths	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 paramesonephric mesenchyme of d	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), degenerating rest of paramesonephric duct of male(EMAPA:29196), mesenchyme of degenerating rest of paramesonephric duct of male(EMAPA:29202)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entrie	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29196>		

Modified Component 484				
ID	EMAPA: 29207	Is Group Term	false	
Name	mesenchyme of dis	stal genital tuber	cle of male	
Starts At	TS21	Ends At	TS22	
Primary Parents	EMAPA:29205[dista	ıl genital tubercl	e of male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205), mesenchyme of distal genital tubercle of male(EMAPA:29205)			
Alternate Paths	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2 male(EMAPA:17969)	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205), mesenchyme of distal genital		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:1969), distal genital tubercle of male(EMAPA:29205), mesenchyme of distal genital tubercle of male(EMAPA:29205), mesenchyme of distal genital tubercle of male(EMAPA:29207)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 embryo(EMAPA:16039), organ system(EMAPA:16103) visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproduct structure(EMAPA:28533), genital tubercle of male(EMAPA:29205), mesenchyme of distal genital tubercle of male(EMAPA:16039), organ system(EMAPA:16103) visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive syste			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205), mesenchyme of distal genital tubercle of male(EMAPA:29207)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments			ced Component has as order entry <1	
	2. order=1	for EMAPA:29205		

Modified Component 485					
ID	EMAPA:29205	Is Group Term	false		
Name	distal genital tu	bercle of male			

Modified Compor	ent 485
Starts At	TS21 Ends At TS22
Primary Parents	EMAPA:17969[genital tubercle of male]
Group Parents	
Synonyms	[glans of male]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17969>
	2. order=3 for EMAPA:17969

Modified Component 486					
ID	EMAPA:29209	Is Group Term	false		
Name	surface epithelium of distal genital tubercle of male				
Starts At	TS21	Ends At	TS22		
Primary Parents	EMAPA:29205[distal genital tubercle of male]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral				

Modified Component 486				
	<pre>system(EMAPA:1796 male(EMAPA:17969) male(EMAPA:29205)</pre>	<ol> <li>male reproduc</li> <li>genital tuber</li> <li>distal genital</li> </ol>	cle of tubercle of ium of distal	
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2 male(EMAPA:17969) male(EMAPA:29205)	1), male reproduc 8), male associat 8533), genital tu , distal genital	l tive ed reproductive bercle of tubercle of ium of distal	
	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 genitalia(EMAPA:3 male(EMAPA:17969) male(EMAPA:29205)	omy(EMAPA:0), mou A:16103), viscera ), reproductive 1), male reproduc 8), male external 0977), genital tu , distal genital , surface epithel of male(EMAPA:292	l tive bercle of tubercle of ium of distal	
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2 male(EMAPA:17969) male(EMAPA:29205)	omy(EMAPA:0), mou 9), organ system( APA:16245), repro 1), male reproduc 8), male associat 8533), genital tu , distal genital , surface epithel of male(EMAPA:292	EMAPA:16103), ductive tive ed reproductive bercle of tubercle of ium of distal	
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), distal genital tubercle of male(EMAPA:29205), surface epithelium of distal genital tubercle of male(EMAPA:29205)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 genitalia(EMAPA:3 male(EMAPA:17969) male(EMAPA:29205)	omy(EMAPA:0), mou 9), organ system( APA:16245), repro 1), male reproduc 8), male external 0977), genital tu , distal genital , surface epithel of male(EMAPA:292	EMAPA:16103), ductive tive bercle of tubercle of ium of distal	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differen no order entries; for EMAPA:29205>	t Order - Referen This Component h	ced Component has as order entry <0	
	2. order=0	for EMAPA:29205		

Modified Component 487			
ID	EMAPA:28518	Is Group Term	true
Name	renal interstitiu	m group	
Starts At	TS21	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:17373[metanephros]		
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518)]		

Modified Component 487				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518)]			
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <26 for EMAPA:17373>			
	2. 0	rder=26	for EMAPA:17373	

Modified Component 488				
ID	EMAPA:30560	Is Group Term	false	
Name	mesonephric glomerulus of male			
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:30556[crani	al mesonephric tul	oule of male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), cranial mesonephric tubule of male(EMAPA:30556), mesonephric glomerulus of male(EMAPA:30560)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), cranial mesonephric tubule of male(EMAPA:30556), mesonephric glomerulus of male(EMAPA:30560)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referend This Component ha		
	2. order=0	for EMAPA:30556		

Modified Component 489				
ID	EMAPA:30562	Is Group Term	false	
Name	cranial mesonephr	ic tubule		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:27588[meson	ephric tubule]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588), cranial mesonephric tubule(EMAPA:30562)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588), cranial mesonephric tubule(EMAPA:30562)]			
Rule Status	PASSED	Edit Status	CHANGED	

Modified Component 489					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27588>				
	2. order=0 for EMAPA:27588				

Modified Component 490				
ID	EMAPA:30565	Is Group Term	false	
Name	rest of cranial m	esonephric tubule		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:30562[crani	al mesonephric tul	oule]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1636 mesonephric tubul	7), mesonephros(Ele(EMAPA: 27588), c:e(EMAPA: 30562), re	l MAPA:16744), ranial	
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1636 mesonephric tubul	omy(EMAPA:0), mous 9), organ system(1 APA:16245), genito 7), mesonephros(El e(EMAPA:27588), c: e(EMAPA:30562), ro e(EMAPA:30565)]	EMAPA:16103), ourinary MAPA:16744), ranial	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referend This Component ha		
	2. order=1	for EMAPA:30562		

Modified Component 491					
ID	EMAPA:30568	Is Group Term	false		
Name	mesonephric glome	rulus			
Starts At	TS17	Ends At	TS18		
Primary Parents	EMAPA:30562[crani	al mesonephric tul	oule]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588), cranial mesonephric tubule(EMAPA:30562), mesonephric glomerulus(EMAPA:30568)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588), cranial mesonephric tubule(EMAPA:30562), mesonephric qlomerulus(EMAPA:30568)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30562>				
	2. order=0	for EMAPA:30562			

Modified Component 492				
ID	EMAPA:30571	Is Group Term	false	
Name	caudal mesonephri	c tubule		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:27588[meson	ephric tubule]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588), caudal mesonephric tubule(EMAPA:30571)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588), caudal mesonephric tubule(EMAPA:30571)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27588>			
	2. order=1	for EMAPA:27588		

Modified Component 493				
ID	EMAPA:28506	Is Group Term	true	
Name	developing capill	ary loop stage ne	phron GROUP	
Starts At	TS22	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:17952[renal	cortex]		
Synonyms	[stage III nephro	n]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:17952>			
	2. order=14	for EMAPA:17952		

Modified Component 494				
ID	EMAPA:30576	Is Group Term	false	
Name	cranial mesonephric tubule			
Starts At	TS19 Ends At TS19			
Primary Parents	EMAPA:27659[mesonephric tubule]			
Group Parents				
Synonyms	[]			

Modified Component 494				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659), cranial mesonephric tubule(EMAPA:30576)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659), cranial mesonephric tubule(EMAPA:30576)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27659>			
	2. order=0	O for EMAPA:27659		

Modified Component 495					
ID	EMAPA:30574	Is Group Term false			
Name	caudal mesonephri	c tubule			
Starts At	TS19	Ends At	TS19		
Primary Parents	EMAPA:27659[meson	ephric tubule]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659), caudal mesonephric tubule(EMAPA:30574)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659), caudal mesonephric tubule(EMAPA:30574)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27659>				
	2. order=1	for EMAPA:27659			

Modified Component 496					
ID	EMAPA:30578	Is Group Term	false		
Name	rest of cranial m	esonephric tubule			
Starts At	TS19	Ends At	TS19		
Primary Parents	EMAPA:30576[crani	al mesonephric tul	oule]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659), cranial mesonephric tubule(EMAPA:30576), rest of cranial mesonephric tubule(EMAPA:30578)]				
Alternate Paths	embryo(EMAPA:1603	omy(EMAPA:0), mou: 9), organ system(1 APA:16245), reprod	EMÀPA:16103),		

Modified Component 496				
			ranial	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30576>			
	2. order=1	for EMAPA:30576		

Modified Component 497				
ID	EMAPA:30580	Is Group Term	false	
Name	mesonephric glome	rulus		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:30576[crani	al mesonephric tu	bule]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659), cranial mesonephric tubule(EMAPA:30576), mesonephric glomerulus(EMAPA:30580)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), mesonephros(EMAPA:27644), mesonephric tubule(EMAPA:27659), cranial mesonephric tubule(EMAPA:30576), mesonephric glomerulus(EMAPA:30580)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30576>			
	2. order=0	for EMAPA:30576		

Modified Component 498					
ID	EMAPA:28500	Is Group Term	true		
Name	early tubule				
Starts At	TS22	Ends At	TS27		
Primary Parents					
Group Parents	EMAPA:17952[renal	. cortex]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500)]				
Rule Status	PASSED	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:17952>				

Modified Component	t <b>4</b> 98				
	2.	order=13	for	EMAPA:17952	

Modified Component 499						
ID	EMAPA:28555	EMAPA:28555   Is Group Term   false				
Name	urethral plate					
Starts At	TS20	Ends At	TS20			
Primary Parents	EMAPA:17366[urina	ry system]				
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethral plate(EMAPA:28555)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethral plate(EMAPA:28555)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <19 for EMAPA:17366>					
	2. order=19	for EMAPA:17366				

ID	EMAPA:27925	Is Group Term	false	
Name	associated int	erstitium of rena	l corpuscle	
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27907[ca EMAPA:28518[re	EMAPA:27907[capillary loop renal corpuscle] EMAPA:28518[renal interstitium group]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 corpuscle(EMAP	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27925)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), associated interstitium of renal corpuscle(EMAPA:27925)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27925)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27907)			
	4 [Abstract a	natomy/EMADA:0)	mouse(EMAPA:25765),	

Modified Componen	t 500			
	organ system(EMAPA organ(EMAPA:16245) metanephros(EMAPA: GROUP(EMAPA:17954) corpuscle(EMAPA:27 renal corpuscle(EM	, urinary system 17373), early ne , capillary loop (907), associated	(EMAPA:17366), phron renal	
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), associated interstitium of renal corpuscle(EMAPA:27925)]			
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27925)]			
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27907)]			
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27925)]			
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27925)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component ha no order entries; This Component has order entry < for EMAPA:27907>			
	2. Different no order entries; for EMAPA:28518>	Order - Reference This Component ha	ced Component has as order entry <1	
	3. order=0 f order=1 for EMAPA:	or EMAPA:27907 28518		

Modified Component 501			
ID	EMAPA:28547	Is Group Term	false
Name	allantois		
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), allantois(EMAPA:28547)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), allantois(EMAPA:28547)]		

Modified Component 501				
Rule Status	PASSED	Edit Status	CHANGED	
Comments		1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17366>		
	2. order=8	for EMAPA:17366		

Modified Componen	ıt 502				
ID	EMAPA:28561	Is Group Term	false		
Name	subepithelial lay	er			
Starts At	TS20	Ends At	TS24		
Primary Parents	EMAPA:27711[urete	ral mesenchyme]			
Group Parents					
Synonyms	[presumptive lami	na propria]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), subepithelial layer(EMAPA:28561)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), subepithelial layer(EMAPA:28561)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27711>				
	2. order=0 for EMAPA:27711				

Modified Component 503			
ID	EMAPA:27913	Is Group Term	false
Name	visceral epitheli	um	
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:27907[capil	lary loop renal co	orpuscle]
Group Parents			
Synonyms	[podocyte layer]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), visceral epithelium(EMAPA:27913)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), visceral epithelium(EMAPA:27913)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), visceral epithelium(EMAPA:27913)]		

Modified Componen	t 503			
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA GROUP(EMAPA:17954 corpuscle(EMAPA:2	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), visceral epithelium(EMAPA:27913)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP loop stage nephro loop renal corpus	E. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765); mbryo(EMAPA:16039), organ system(EMAPA:16103), risceral organ(EMAPA:16245), urinary; system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary; coop stage nephron GROUP(EMAPA:28506), capillary; coop renal corpuscle(EMAPA:27907), visceral epithelium(EMAPA:27913)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP	7), capillary loom 7907), visceral	EMAPA:16103), ry MAPA:17373),	
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), visceral epithelium(EMAPA:27913)]		EMAPA:16103), ry MAPA:17373),	
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRO	omy(EMAPA:0), mous 9), organ system(1 APA:16245), urina: 6), metanephros(EI UP(EMAPA:17954), o MAPA:27907), visce 27913)]	EMAPA:16103), ry MAPA:17373), capillary loop	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referend This Component ha		
	2. order=4	for EMAPA:27907		

Modified Component 504				
ID	EMAPA:27919	Is Group Term	false	
Name	parietal epitheli	um		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27907[capil	lary loop renal c	orpuscle]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),			

Modified Componen	t 504		
	<pre>metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]</pre>		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]		
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]		
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), parietal epithelium(EMAPA:27919)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27907>		
	2. order=1 for EMAPA:27907		

Modified Component 505				
ID	EMAPA:28533	Is Group Term	true	
Name	male associated r	eproductive struc	ture	
Starts At	TS23	Ends At	TS23	
Primary Parents				
Group Parents	EMAPA:17968[male	reproductive syste	em]	
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533)]			
Rule Status	PASSED	Edit Status	CHANGED	

Modified Component 505				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <26 for EMAPA:17968>			
	2. order=26 for EMAPA:17968			

ID	EMAPA: 27943	Is Group Term	false	
Name	maturing renal	corpuscle		
Starts At	TS22	Ends At	TS27	
Primary Parents	immature nephr	EMAPA:28485[maturing nephron] EMAPA:28445[stage IV immature nephron] EMAPA:17952[renal cortex] EMAPA:17954[early nephron GROUP] EMAPA:28527[late tubule]		
Group Parents				
Synonyms	[renal corpuscle of Stage IV nephron]			
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM	APA:17373), renal 7952), maturing r	eral stem(EMAPA:17366),	
Alternate Paths	organ system(E organ(EMAPA:16 metanephros(EM	MAPA:16103), visc 245), urinary sys APA:17373), stage 28445), maturing	stem(EMAPA:17366), E IV immature	
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:285 maturing renal corpuscle(EMAPA:27943)]		eral stem(EMAPA:17366), .e(EMAPA:28527),	
	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1	MAPA:16103), visc 245), urinary sys APA:17373), renal	stem(EMAPA:17366), nephron(EMAPA:28485)	
	organ system(E organ(EMAPA:16 metanephros(EM	MAPA:16103), visc 245), urinary sys APA:17373), early 954), maturing re	stem(EMAPA:17366), nephron	
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:embryo(EMAPA:16039), organ system(EMAPA:161visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:1737stage IV immature nephron(EMAPA:28445), matrenal corpuscle(EMAPA:27943)]		em(EMAPA:16103), cinary os(EMAPA:17373),	
	embryo(EMAPA:1 visceral organ system(EMAPA:1	6039), organ syst (EMAPA:16245), ur 7366), metanephro MAPA:17952), matu	rinary os(EMAPA:17373),	
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal cortex(E	6039), organ syst (EMAPA:16245), ur 7366), metanephro MAPA:17952), late 8527), maturing r	rinary os(EMAPA:17373),	
	embryo(EMAPA:1 visceral organ	natomy(EMAPA:0), 6039), organ syst (EMAPA:16245), ur 7366), metanephro	rinary	

Modified Component 506			
	renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943)]		
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28445>  2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28485>  3. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28527>  4. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17952>  5. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17954>		
	6. order=0 order=0 for EMAPA order=1 for EMAPA order=9 for EMAPA order=4 for EMAPA	1:28527 1:17954	

Modified Component 507			
ID	EMAPA:28527	Is Group Term	true
Name	late tubule		
Starts At	TS22	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:17952[renal	cortex]	
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <16 for EMAPA:17952>		
	2. order=16	for EMAPA:17952	

Modified Component 508				
ID	EMAPA:27949	Is Group Term	false	
Name	maturing glomerular tuft			
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27943[maturing renal corpuscle]			

Modified Compone	ent 508
Group Parents	
Synonyms	[maturing glomerulus]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]

Modified Component 508				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA: 27943>			
	2. order=0	for EMAPA:27943		

Modified Component 509			
ID	EMAPA:28540	Is Group Term	true
Name	female associated reproductive structure		
Starts At	TS23	Ends At	TS23
Primary Parents			
Group Parents	EMAPA:17959[femal	e reproductive sy	stem]
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <20 for EMAPA:17959>		
	2. order=20	for EMAPA:17959	_

Modified Component 510				
ID	EMAPA:27931	Is Group Term	false	
Name	presumptive mesan	presumptive mesangium		
Starts At	TS22	Ends At	TS27	
Primary Parents		interstitium gro		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), presumptive mesangium(EMAPA:27931)]			
Alternate Paths	mesangium(EMAPA:27931)    1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), presumptive mesangium(EMAPA:27931)    2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), presumptive			
	mesangium (EMAPA: 2	7931)]	_	

#### Modified Component 510 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), presumptive mesangium(EMAPA:27931)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), presumptive mesangium(EMAPA:27931)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), presumptive mesangium(EMAPA:27931)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA: 27907), presumptive mesangium (EMAPA: 27931)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), presumptive mesangium(EMAPA:27931)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), presumptive mesangium(EMAPA:27931) 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), presumptive mesangium (EMAPA: 27931)] Rule Status PASSED Edit Status CHANGED 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <2 2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27907> 3. order=3 for EMAPA:27907 order=2 for EMAPA:28518

resumptive endot	helium of renal co	
322	Ends At	TS27
EMAPA:28457[renal vasculature] EMAPA:27907[capillary loop renal corpuscle]		
1	APA:28457[renal	APA:28457[renal vasculature]

# Modified Component 511 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral Primary Path organ(EMAPA:16245), wisceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), Alternate Paths organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), presumptive endothelium of renal corpuscle(EMAPA: 27937)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), presumptive endothelium of renal corpuscle(EMAPA: 27937)] 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), presumptive endothelium of renal corpuscle(EMAPA:27937)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), presumptive endothelium of renal corpuscle(EMAPA:27937)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex (2000), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)] 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),

Modified Component 511			
	renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)]		
	11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27907>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:28457>		
	3. order=2 order=4 for EMAPA	for EMAPA:27907 :28457	

Modified Component 512			
ID	EMAPA:28570	Is Group Term	false
Name	outer layer		
Starts At	TS21	Ends At	TS24
Primary Parents	EMAPA:27711[urete	ral mesenchyme]	
Group Parents			
Synonyms	[presumptive adventitia]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), outer layer(EMAPA:28570)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), outer layer(EMAPA:28570)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:27711>		
	2. order=3	for EMAPA:27711	

Modified Component 513			
ID	EMAPA:27907	Is Group Term	false
Name	capillary loop re	nal corpuscle	
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:28506[developing capillary loop stage nephron GROUP] EMAPA:28527[late tubule] EMAPA:17952[renal cortex] EMAPA:17954[early nephron GROUP]		
Group Parents			
Synonyms	[renal corpuscle of the stage III nephron]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907)]		
Alternate Paths	1. [Abstract anat organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera	

# Modified Component 513 organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), capillary loop corpuscle(EMAPA: 27907)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal corpuscle(EMAPA:27907)] 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA: 27907)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA: 28506), capillary loop renal corpuscle(EMAPA:27907)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), capillary loop renal |corpuscle(EMAPA:27907)1 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), capillary loop renal corpuscle(EMAPA:27907)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27907)] CHANGED Rule Status Edit Status Different Order - Referenced Component has no order entries; This Component has order entry <0</li> Comments for EMAPA:28506> 2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28527> 3. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17952> 4. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA: 17954> order=0 for EMAPA:28506 order=0 for EMAPA:28527 order=8 for EMAPA:17954 order=3 for EMAPA:17952

Modified Component 514				
ID	EMAPA:28567	Is Group Term	false	
Name	middle layer			
Starts At	TS21	Ends At	TS22	
Primary Parents	EMAPA:27711[ureteral mesenchyme]			
Group Parents				

Modified Componen	t 514		
Synonyms	[presumptive uret	eral smooth muscl	e layer]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), middle layer(EMAPA:28567)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), middle layer(EMAPA:28567)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27711>		
	2. order=1	for EMAPA:27711	

Modified Compo	nent 515		
ID	EMAPA:27901	Is Group Term	false
Name	parietal epithe	lium	
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA: 27883[pro	ximal segment of	s-shaped body]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 proximal segmen	my(EMAPA:0), mous APA:16103), visce 45), urinary syst PA:17373), renal 952), s-shaped bot t of s-shaped bod lium(EMAPA:27901)	eral .em(EMAPA:17366), .dy(EMAPA:27853), .ly(EMAPA:27883),
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 shaped body(EMA shaped body(EMA	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), parietal epithelium(EMAPA:27901)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27883), proximal segment of s-shaped body(EMAPA:27883), parietal epithelium(EMAPA:27901)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), parietal epithelium(EMAPA:27801)]	
	organ system(EM organ(EMAPA:162 metanephros(EMA GROUP(EMAPA:179 proximal segmen		
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 renal cortex(EM body(EMAPA:2785 body(EMAPA:2788		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:embryo(EMAPA:16039), organ system(EMAPA:161 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:1737 renal cortex(EMAPA:17952), early tubule(EMAPA:28500), s-shaped body(EMAPA:27 proximal segment of s-shaped body(EMAPA:278 parietal epithelium(EMAPA:27901)]		em(EMAPA:16103), nary (EMAPA:17373), ody(EMAPA:27853), ly(EMAPA:27883),
	embryo(EMAPA:16 visceral organ( system(EMAPA:17	atomy(EMAPA:0), m 039), organ syste EMAPA:16245), uri 366), metanephros ROUP(EMAPA:17954)	nary (EMAPA:17373),

Modified Component 515			
	body(EMAPA:27853) body(EMAPA:27883) epithelium(EMAPA:		t of s-shaped
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27883>		
	2. order=1	for EMAPA:27883	

Modified Component 516			
ID	EMAPA:28588	Is Group Term	false
Name	superficial cellu	lar layer	
Starts At	TS21	Ends At	TS28
Primary Parents	EMAPA:28089[uroth	elium]	
Group Parents			
Synonyms	[umbrella cell]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), superficial cellular layer(EMAPA:28588)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), superficial cellular layer(EMAPA:28588)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28089>		
	2. order=0	for EMAPA:28089	

Modified Component 517			
ID	EMAPA: 27967	Is Group Term	false
Name	visceral epitheli	um	
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:27949[matur	ing glomerular tu	ft]
Group Parents			
Synonyms	[podocyte layer]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral		
	organ(EMAPA:16245 metanephros(EMAPA	), urinary system	(EMAPA:17366),

#### Modified Component 517 maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967) 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA: 27967)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373) stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)] CHANGED Rule Status Edit Status Different Order - Referenced Component has no order entries; This Component has order entry <2</li> Comments for EMAPA: 27949> 2. order=2 for EMAPA:27949

Modified Component 518			
ID	EMAPA:29196	Is Group Term	false
Name	degenerating rest	of paramesonephr:	ic duct of male

Modified Componen	t 518		
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:17968[male	reproductive syst	em]
Group Parents			
Synonyms	[degenerating Ml	lerian duct]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), degenerating rest of paramesonephric duct of male(EMAPA:29196)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), degenerating rest of paramesonephric duct of male(EMAPA:29196)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17968>		
	2. order=1	for EMAPA:17968	

Modified Component 519			
ID	EMAPA: 29199	Is Group Term	false
Name	epithelium of deg	enerating rest of	paramesonephric
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:29196[degenduct of male]	erating rest of p	aramesonephric
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), degenerating rest of paramesonephric duct of male(EMAPA:29196), epithelium of degenerating rest of paramesonephric duct of male(EMAPA:29199)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), degenerating rest of paramesonephric duct of male(EMAPA:29196), epithelium of degenerating rest of paramesonephric duct of male(EMAPA:29199)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	
	2. order=0	for EMAPA:29196	

Modified Component 520				
ID	EMAPA:27955	Is Group Term	false	
Name	glomerular capillary system of maturing glomerular tuft			
Starts At	TS22	Ends At	TS27	
	EMAPA:27949[maturing glomerular tuft] EMAPA:28457[renal vasculature] EMAPA:31469[small			

Modified Compon	ent 520
	blood vessels]
Group Parents	
Synonyms	[]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)]
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), glomerular capillary

### Modified Component 520 system of maturing glomerular tuft(EMAPA:27955) 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)] 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA: 28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)] 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)] 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA: 28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)] 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)] 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA: 17954), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular capillary system of maturing glomerular tuft(EMAPA:27955)] Edit Status PASSED CHANGED Rule Status Different Order - Referenced Component has no order entries; This Component has order entry <0</li> Comments for EMAPA: 27949> 2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28457>

Modified Component 521			
ID	EMAPA:29181	Is Group Term	false
Name	epithelium of rest of nephric duct of male		
Starts At	TS21	Ends At	TS23
Primary Parents	EMAPA:29173[nephric duct of male, rest of]		

for EMAPA:31469>

4. order=0 for EMorder=1 for EMAPA:28457

order=5 for EMAPA:31469

Different Order - Referenced Component has no order entries; This Component has order entry <5</li>

order=0 for EMAPA:27949

Modified Componen	t 521	
Group Parents		
Synonyms	[]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), nephric duct of male, rest of(EMAPA:29173), epithelium of rest of nephric duct of male(EMAPA:29181)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), nephric duct of male, rest of(EMAPA:29173), epithelium of rest of nephric duct of male(EMAPA:29181)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29173>	
	2. order=0 for EMAPA:29173	

Modified Component 522					
ID	EMAPA: 27961	Is Group Term	false		
Name	glomerular mes	sangium			
Starts At	TS22	Ends At	TS27		
Primary Parents		EMAPA:28518[renal interstitium group] EMAPA:27949[maturing glomerular tuft]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 corpuscle(EMAPA tuft(EMAPA:279	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), glomerular mesangium(EMAPA:27961)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular				

## Modified Component 522 mesangium(EMAPA:27961)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), glomerular mesangium(EMAPA: 27961)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA: 27949), glomerular mesangium (EMAPA: 27961) l [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal compa(EMAPA:17372), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)] 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)] 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA:27949), glomerular mesangium(EMAPA:27961)] Rule Status PASSED Edit Status CHANGED 1. Different Order - Referenced Component has no order entries; This Component has order entry <1 Comments for EMAPA: 27949> 2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA: 28518> 3. order=1 for EMAPA:27949 order=3 for EMAPA:28518

Modified Component 523				
ID	EMAPA:29185	Is Group Term	false	
Name	paramesonephric duct of male, rest of			

Modified Component 523					
Starts At	TS20		Ends At		TS21
Primary Parents	EMAPA:17968[male reproductive system]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), paramesonephric duct of male, rest of(EMAPA:29185)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), paramesonephric duct of male, rest of(EMAPA:29185)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17968>				
	2. order=2 for EMAPA:17968				

Modified Component 524				
ID	EMAPA:29187	Is Group Term	false	
Name	epithelium of rest of paramesonephric duct of male			
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:29185[param	esonephric duct o	f male, rest of]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), paramesonephric duct of male, rest of(EMAPA:29185), epithelium of rest of paramesonephric duct of male(EMAPA:29187)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), paramesonephric duct of male, rest of(EMAPA:29185), epithelium of rest of paramesonephric duct of male(EMAPA:29187)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29185>			
	2. order=0 for EMAPA:29185			

Modified Component 525				
ID	EMAPA:29189	Is Group Term	false	
Name	mesenchyme of rest of paramesonephric duct of male			
Starts At	TS21	Ends At	TS21	
Primary Parents	EMAPA:29185[paramesonephric duct of male, rest of]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Componen	Modified Component 525			
	system(EMAPA:1796 rest of(EMAPA:291	), reproductive 1), male reproduc 8), paramesonephr 85), mesenchyme o luct of male(EMAPA	ic duct of male, f rest of	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), paramesonephric duct of male, rest of(EMAPA:29185), mesenchyme of rest of paramesonephric duct of male(EMAPA:29189)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29185>			
	2. order=1	for EMAPA:29185		

Modified Compor	nent 526			
ID	EMAPA: 27985	Is Group Term	false	
Name	urinary space of	renal corpuscle		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA: 27973 [ Bown	nan's capsule]		
Group Parents				
Synonyms	[Bowman's space]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179 corpuscle(EMAPA:	952), maturing ren 27943), Bowman's 7973), urinary spa	al m(EMAPA:17366), al	
Alternate Paths	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA nephron(EMAPA:28 corpuscle(EMAPA:28 capsule(EMAPA:28	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), urinary space of renal corpuscle(EMAPA:27985)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), urinary space of renal corpuscle(EMAPA:27985)]		
	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179 maturing renal c capsule(EMAPA:27			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), urinary space of renal corpuscle(EMAPA:27985)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), urinary space of renal corpuscle(EMAPA:27985)]		al m(EMAPA:17366), ephron l	
	embryo(EMAPA:160	atomy(EMAPA:0), mo 039), organ system EMAPA:16245), urin	(EMAPA:16103),	

Modified Componen	t 526		
	<pre>system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), urinary space of renal corpuscle(EMAPA:27985)]</pre>		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP corpuscle(EMAPA:2	73), urinary space	EMAPA:16103), ry MAPA:17373), g renal
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP tubule(EMAPA:2852 corpuscle(EMAPA:2	7), maturing renaing 7943), Bowman's 73), urinary space	EMAPA:16103), cy MAPA:17373),
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP nephron(EMAPA:284 corpuscle(EMAPA:2	73), urinary space	EMAPA:16103), CY MAPA:17373), B al
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRO corpuscle(EMAPA:2	73), urinary space	EMAPA:16103), ry MAPA:17373), maturing renal
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differen no order entries; for EMAPA:27973>	t Order - Referend This Component ha	ced Component has as order entry <1
	2. order=1	for EMAPA:27973	

Modified Component 527			
ID	EMAPA:27991	Is Group Term	false
Name	juxtaglomerular a	rteriole	
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA:27943[matur EMAPA:28457[renal	ing renal corpusc vasculature]	le]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral		

```
organ(EMAPA:16245), urinary system(EMAPA:17366),
renal vasculature(EMAPA:28457), juxtaglomerular
arteriole(EMAPA:27991)]
```

- 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]
- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]

Modified Component 527				
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:27943>  2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28457>			
	3. order=2 for EMAPA:27943 order=2 for EMAPA:28457			

ID	EMAPA:27979	Is Group Term	false	
Name	parietal epithe	parietal epithelium		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA: 27973 [ Bow	man's capsule]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 corpuscle(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2570 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]		eral tem(EMAPA:17366), IV immature renal	
	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 maturing renal capsule(EMAPA:2	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28 maturing renal corpuscle(EMAPA:27943), Bowman' capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]		eral tem(EMAPA:17366), ephron(EMAPA:28485)	
			eral tem(EMAPA:17366), nephron nal	
	embryo(EMAPA:16 visceral organ(	natomy(EMAPA:0), n 1039), organ syste EMAPA:16245), ur 1366), metanephros	inary	

1161 1 2				
Modified Componer				
	<pre>stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]</pre>			
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]			
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]			
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]			
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27973>			
	2. order=0 for EMAPA:27973			

Modified Component 529				
ID	EMAPA: 27973	Is Group Term	false	
Name	Bowman's capsule			
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27943[matur	ing renal corpusc	le]	
Group Parents				
Synonyms	[glomerular capsu	le]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			
	organ system(EMAP	A:16103), viscera ), urinary system	1	

## Modified Component 529 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527) maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA:27973)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA:27973)1 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17352), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA: 27973)1 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1732), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA:27973)] Rule Status PASSED Edit Status CHANGED 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <1 for EMAPA: 27943> order=1 for EMAPA:27943

Modified Component 530				
ID	EMAPA:16745	Is Group Term	false	
Name	associated mesenchyme			
Starts At	TS15	Ends At	TS16	
Primary Parents	EMAPA:16744[mesonephros]			
Group Parents				
Synonyms	[]			

Modified Component 530				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), associated mesenchyme(EMAPA:16745)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), associated mesenchyme(EMAPA:16745)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:16744>			
	2. order=2	for EMAPA:16744		

Modified Component 531			
ID	EMAPA:16744	Is Group Term	false
Name	mesonephros		
Starts At	TS15	Ends At	TS18
Primary Parents	EMAPA:16367[genit	ourinary system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:16367>		
	2. order=7	for EMAPA:16367	

Modified Componer				
ID	EMAPA:16747	Is Group Term	false	
Name	tubule			
Starts At	TS15	Ends At	TS16	
Primary Parents	EMAPA:16744[meson	ephros]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), tubule(EMAPA:16747)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), tubule(EMAPA:16747)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:16744>			
			-	

Modified Component	t 532				
	2.	order=1	for	EMAPA:16744	

Modified Component 533					
ID	EMAPA:16746	Is Group Term	false		
Name	non-tubular part				
Starts At	TS15	Ends At	TS16		
Primary Parents	EMAPA:16744[meson	ephros]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), nontubular part(EMAPA:16746)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), nontubular part(EMAPA:16746)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:16744>				
	2. order=0	for EMAPA:16744			

Modified Component 534				
ID	EMAPA:31003	Is Group Term	true	
Name	adventita of vagi	na		
Starts At	TS28	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:18986[vagin	ıa]		
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), adventita of vagina(EMAPA:31003)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), adventita of vagina(EMAPA:31003)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:18986>			
	2. order=5 for EMAPA:18986			

Modified Component 535					
ID	EMAPA:28491	Is Group Term	true		
Name	mature nephron				
Starts At	TS25	Ends At	TS28		
Primary Parents					

Modified Component 535					
Group Parents	EMAPA:17373[metar	nephros]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <22 for EMAPA:17373>				
	2. order=22	2 for EMAPA:17373			

Modified Componer	1	1	11.		
ID	EMAPA: 28494	Is Group Term	true		
Name	ureteric trunk				
Starts At	TS22	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17373[metanduct]	ephros] EMAPA:284	07[collecting		
Synonyms	[]				
Primary Path	organ system(EMAP organ(EMAPA:16245	(EMAPA:0), mouse(PA:16103), viscera ), urinary system :17373), ureteric )]	l (EMAPA:17366),		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28407>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <25 for EMAPA:17373>				
	3. order=25 for EMAPA:17373 order=2 for EMAPA:28407				

Modified Component 537					
ID	EMAPA: 28485 Is Group Term true				
Name	maturing nephron				

Modified Component 537					
Starts At	TS23	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17952[renal	cortex]			
Synonyms	[stage IV nephron	.]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <15 for EMAPA:17952>				
	2. order=15	for EMAPA:17952			

Modified Component 538						
ID	EMAPA:28477	Is Group Term	true			
Name	primitive collect	ing duct group				
Starts At	TS21	Ends At	TS21			
Primary Parents						
Group Parents	EMAPA:17373[metan	ephros]				
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct group(EMAPA:28477)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct group(EMAPA:28477)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <23 for EMAPA:17373>					
	2. order=23	for EMAPA:17373	2. order=23 for EMAPA:17373			

Modified Component 539					
ID	EMAPA:28457	Is Group Term	true		
Name	renal vasculature				
Starts At	TS21	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17366[urinary system] EMAPA:31563[developing vasculature of urinary system GROUP]				
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457)]				
Alternate Paths	1. [Abstract anat organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera			

Modified Component 539					
	organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <24 for EMAPA:17366>				
	2. order=24	for EMAPA:17366			

Modified Component 540					
ID	EMAPA:28445	Is Group Term	true		
Name	stage IV immature	nephron			
Starts At	TS22	Ends At	TS22		
Primary Parents					
Group Parents	EMAPA:17373[metan	ephros]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <21 for EMAPA:17373>				
	2. order=21	for EMAPA:17373			

Modified Component 541				
ID	EMAPA:28425	Is Group Term	true	
Name	nephric duct grou	p		
Starts At	TS17	Ends At	TS18	
Primary Parents				
Group Parents	EMAPA:16367[genit	ourinary system]		
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct group(EMAPA:28425)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct group(EMAPA:28425)]			

Modified Component 541				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <18 for EMAPA:16367>			
	2. order=18	for EMAPA:16367		

Modified Component 542				
ID	EMAPA:28429	Is Group Term	true	
Name	nephric duct grou	р		
Starts At	TS19	Ends At	TS19	
Primary Parents				
Group Parents	EMAPA:16245[visce	ral organ]		
Synonyms	[]	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), nephric duct group(EMAPA:28429)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), nephric duct group(EMAPA:28429)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:16245>			
	2. order=3 for EMAPA:16245			

Modified Component 543				
ID	EMAPA:28407	Is Group Term	true	
Name	collecting duct			
Starts At	TS22	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:17373[metan	ephros]		
Synonyms	[ureteric tree]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <24 for EMAPA:17373>			
	2. order=24 for EMAPA:17373			

Modified Component 544				
ID	EMAPA:28402	Is Group Term	false	
Name	postmacula segment			
Starts At	TS25	Ends At	TS28	

```
Modified Component 544
                         EMAPA: 28396 [distal straight tubule]
Primary Parents
Group Parents
                         []
Synonyms
                        [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral
Primary Path
                        organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal
                         tubule(EMAPA:18976), renal distal
                        tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]

    [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

Alternate Paths
                        organ system(EMAPA:16103), visceral
                        organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature
                        nephron(EMAPA:28491), cortical renal
                        tubule(EMAPA:18976), cortical renal tubule of
                        mature nephron GROUP(EMAPA:31566), distal straight
                        tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]

    [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

                        organ system(EMAPA:16103), visceral
                        organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature
                        nephron(EMAPA:28491), cortical renal
                        tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
                        tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
                        [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                        organ system(EMAPA:16103), visceral
                        organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature
                        nephron(EMAPA:28445), cortical renal
                        tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight
                        tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
                         4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                        organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature
                        nephron(EMAPA:28445), cortical renal
                         tubule(EMAPA:18976), renal distal
                        tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
                         [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                        organ system(EMAPA:16103), visceral
                        organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop
                        stage nephron GROUP(EMAPA: 28506), cortical renal
                        tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
                         [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                        organ system(EMAPA:16103), visceral
                        organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
                        cortex(EMAPA:17952), developing capillary loop
                        stage nephron GROUP(EMAPA:28506), cortical renal
                        tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
                        tubule(EMAPA: 28396),
segment(EMAPA: 28402)]
                                                      postmacula
                         7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                        organ system(EMAPA:16103), visceral
                        organ(EMAPA:16245), urinary system(EMAPA:17366).
                        metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527),
                        cortical renal tubule(EMAPA:18976), cortical renal
                         tubule of mature nephron GROUP(EMAPA: 31566), distal
```

```
straight tubule(EMAPA: 28396), postmacula
segment (EMAPA: 28402)
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527),
cortical renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), maturing nephron(EMAPA:28485),
cortical renal tubule(EMAPA:18976), cortical renal
tubule of mature nephron GROUP(EMAPA:31566), distal
straight tubule(EMAPA:28396), postmacula
segment (EMAPA: 28402)]
10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), maturing nephron(EMAPA:28485),
cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),
metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), cortical renal tubule (EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA: 31566), distal straight
tubule(EMAPA:28396), postmacula
segment(EMAPA:28402)]
12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron
GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical rena
tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366),
metanephros(EMAPA:17373), early nephron
GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal
tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
```

16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),

tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]

```
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
stage IV immature nephron(EMAPA:28445), cortical
renal tubule(EMAPA: 18976), cortical renal tubule of
mature nephron GROUP(EMAPA: 31566), distal straight
tubule(EMAPA: 28396), postmacula
segment (EMAPA: 28402
17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
stage IV immature nephron(EMAPA:28445), cortical
renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal straight
tubule(EMAPA:28396), postmacula
segment(EMAPA:28402)]
18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary
loop stage nephron GROUP(EMAPA:28506), cortical
renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396),
segment(EMAPA:28402)]
                              postmacula
19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical
renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal
tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA: 31566), distal straight
tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late
tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal straight
tubule(EMAPA: 28396),
                               postmacula
segment(EMAPA:28402)]
22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal
tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), maturing
nephron(EMAPA:28485), cortical renal
tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
                              postmacula
tubule(EMAPA: 28396)
segment (EMAPA: 28402) 1
```

24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

Modified Component 544			
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]		
	25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]		
	26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]		
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA: 28396>		
	2. order=2 for EMAPA:28396		

Modified Component 545			
ID	EMAPA:28405	Is Group Term	false
Name	ureteric trunk		
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:28477[primi EMAPA:17373[metan	tive collecting dephros]	uct group]
Group Parents			
Synonyms	[ureteric stalk]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28405)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct group(EMAPA:28477), ureteric trunk(EMAPA:28405)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), primitive collecting duct group(EMAPA:28477), ureteric trunk(EMAPA:28405)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary		

Modified Component 545				
		system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28405)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry for EMAPA:28477>  2. Different Order - Referenced Component has no order entries; This Component has order entry <15 for EMAPA:17373>			
	3. order=15 order=1 for EMAPA	for EMAPA:17373:28477		

ID	EMAPA:28387	Is Group Term	false
Name	renal distal tu	bule	·
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:18976[cor	tical renal tubu	le]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17	APA:16103), visc 45), urinary sys PA:17373), renal 952), cortical r 976), renal dist	tem(EMAPA:17366), enal
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMA nephron(EMAPA:2	APA:16103), visc 45), urinary sys PA:17373), matur 8491), cortical 976), renal dist	tem(EMAPA:17366), e renal
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA: organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17 metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387)]		eral tem(EMAPA:17366), IV immature renal
	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 stage nephron G tubule(EMAPA:18	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387)]	
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366) metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distatubule(EMAPA:28387)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366) metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:284 cortical renal tubule(EMAPA:18976), renal distatubule(EMAPA:28387)]		eral tem(EMAPA:17366), e(EMAPA:28527),
			eral tem(EMAPA:17366), ephron(EMAPA:28485)
	organ system(EM organ(EMAPA:162 metanephros(EMA GROUP(EMAPA:179	APA:16103), visc	tem(EMAPA:17366), nephron nal

```
Modified Component 546
                             tubule(EMAPA: 28387)]
                             7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                             system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal
                             tubule(EMAPA:18976), renal distal tubule(EMAPA:28387)]
                             8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                             embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),
                             stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal
                             tubule(EMAPA: 28387)]
                                 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                             embryo(EMAPA:16039), organ system(EMAPA:16103),
                             visceral organ(EMAPA:16245), urinary
                             system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), developing capillary
                             loop stage nephron GROUP(EMAPA: 28506), cortical
                             renal tubule(EMAPA:18976), renal distal
                             tubule(EMAPA:28387)1
                             10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                             embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),
                             renal cortex(EMAPA:17952), late
                             tubule(EMAPA:28527), cortical renal
tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387)]
                             11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                             embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                             system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal
                             tubule(EMAPA:18976), renal distal tubule(EMAPA:28387)]
                             12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                             embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                             system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387)]
                             13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                             system(EMAPA: 17366), metanephros(EMAPA: 17373),
                             early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387)]
                                                          Edit Status
                                                                                       CHANGED
Rule Status

    Different Order - Referenced Component has
no order entries; This Component has order entry <4</li>

Comments
                             for EMAPA:18976>
                                            order=4 for EMAPA:18976
```

Modified Component 547				
ID	EMAPA:28376	Is Group Term	false	
Name	renal vein			
Starts At	TS21 Ends At TS28			
Primary Parents	EMAPA:31450[renal venous system] EMAPA:17366[urinary system] EMAPA:28457[renal vasculature]			
Group Parents				
Synonyms	[]			

Modified Compor	nent 547
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vein(EMAPA:28376)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal vein(EMAPA:28376)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal vein(EMAPA:28376)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vein(EMAPA:28376)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31450>
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17366>
	3. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:28457>
	4. order=4 for EMAPA:17366 order=6 for EMAPA:28457 order=0 for EMAPA:31450

Modified Component 548			
ID	EMAPA:28373	Is Group Term	false
Name	renal artery		
Starts At	TS21	Ends At	TS28
Primary Parents	EMAPA:17366[urinary system] EMAPA:28457[renal vasculature] EMAPA:31436[renal arterial system]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal artery(EMAPA:28373)]		

## Modified Component 548 1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), Alternate Paths organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA: 31436), renal artery(EMAPA: 28373)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), renal artery(EMAPA:28373)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPĀ:17366), renal vasculature(EMAPA: 28457), renal [artery(EMAPA:28373)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal artery(EMAPA:28373)] PASSED Edit Status Rule Status CHANGED 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <0 for EMAPA: 31436> 2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17366> 3. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA: 28457> 4. order=3 for EM order=5 for EMAPA:28457 order=0 for EMAPA:31436 order=3 for EMAPA:17366

Modified Component 549			
ID	EMAPA:28370	Is Group Term	false
Name	inner medullary c	ollecting duct	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28494[uretemedulla]	ric trunk] EMAPA:	28349[inner
Group Parents			
Synonyms	[papillary collecting duct]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary collecting duct(EMAPA:28370)]		

Modified Component 549					
Alternate Paths	organ syste organ(EMAPA metanephros	em(EMAF A:16245 s(EMAP <i>F</i> A:28494	PA:16103), vis 5), urinary sy 1:17373), uret 1), inner medu	cera stem eric	(EMAPA:17366),
	organ systemorgan(EMAPA) metanephrosiduct(EMAPA)	em (EMAF A:16245 s (EMAP <i>F</i> :28407)	A:16103), vis	cera stem ecti unk(	(EMAPA:17366), ng EMAPA:28494),
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494), inner medullary collecting duct(EMAPA:28370)]				
	embryo(EMAI visceral or system(EMAI collecting	PA:1603 rgan(EM PA:1736 duct(E A:28494	39), organ sys MAPA:16245), u 56), metanephr MAPA:28407), 1), inner medu	tem( rina os(E uret	ry MAPA:17373), eric
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary collecting duct(EMAPA:28370)]			EMAPA:16103), ry MAPA:17373),	
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA: 28349>  2. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA: 28494>				
	3. or order=3 for		for EMAPA:283 A:28494	49	

Modified Component 550			
ID	EMAPA:16858	Is Group Term	false
Name	gonadal mesenchym	ie	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16857[gonad	[]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:16857>		
	2. order=1	for EMAPA:16857	

Modified Component 551				
ID	EMAPA:16859	Is Group Term	false	
Name	primordial germ c	primordial germ cells		
Starts At	TS16	Ends At	TS18	
Primary Parents	EMAPA:16857[gonad	.]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), primordial germ cells(EMAPA:16859)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), primordial germ cells(EMAPA:16859)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:16857>			
	2. order=2	for EMAPA:16857		

Modified Component 552			
ID	EMAPA:16857	Is Group Term	false
Name	gonad		
Starts At	TS16	Ends At	TS18
Primary Parents	EMAPA:16367[genit	ourinary system]	
Group Parents			
Synonyms	[gonad primordium	1]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:16367>		
	2. order=5	for EMAPA:16367	

Modified Component 553			
ID	EMAPA:28396	Is Group Term	false
Name	distal straight t	ubule	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:31566[cortical renal tubule of mature nephron GROUP] EMAPA:28387[renal distal tubule]		
Group Parents			
Synonyms	[thick ascending limb]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal		

## Modified Component 553 tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396) 1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral Alternate Paths organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephron(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA: 28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA: 28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), tubule(EMAPA:28396)] distal straight 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule (EMAPA: 18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule (EMAPA: 18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),

metanephros(EMAPA:17373), renal

cortex(EMAPA:17952), maturing nephron(EMAPA:28485),
cortical renal tubule(EMAPA:18976), cortical renal
tubule of mature nephron GROUP(EMAPA:31566), distal

## straight tubule(EMAPA:28396)]

- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765)

```
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), developing capillary
loop stage nephron GROUP(EMAPA: 28506), cortical
renal tubule(EMAPA:18976), renal distal
tubule(EMAPA: 28387), distal straight
ltubule(EMAPA:28396)
20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late
tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396)]
21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), late
tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387)
                              distal straight
tubule(EMAPA: 28396)]
22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396)]
23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), maturing
nephron(EMAPA:28485), cortical renal
tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
tubule(EMAPA:28396)]
24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396)]
25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal straight
tubule(EMAPA:28396)]
26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
early nephron GROUP(EMAPA: 17954), cortical renal
tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396)]
27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765)
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal straight
```

tubule(EMAPA: 28396)]

Modified Component 553				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA: 28387>			
	2. order=2	for EMAPA:28387		

Modified Compor	nent 554			
ID	EMAPA:28399	Is Group Term	false	
Name	macula densa			
Starts At	TS25	Ends At	TS28	
Primary Parents		taglomerular com stal straight tub		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 tubule(EMAPA:18 tubule(EMAPA:28	omy(EMAPA:0), mou MAPA:16103), visc 245), urinary sys APA:17373), renal 7952), cortical r 8976), renal dist 8387), distal str 8396), macula den	eral tem(EMAPA:17366), enal al aight	
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMA nephron(EMAPA:28 tubule(EMAPA:28	MAPA:16103), visc 245), urinary sys APA:17373), matur 28491), cortical 3976), cortical r GROUP(EMAPA:3156 3396), macula den matomy(EMAPA:0), MAPA:16103), visc	tem(EMAPA:17366), e renal enal tubule of 6), distal straight sa(EMAPA:28399)]  mouse(EMAPA:25765), eral tem(EMAPA:17366), e renal al aight	
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:18 mature nephron	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]		
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:28 tubule(EMAPA:28	MAPA:16103), visc	tem(EMAPA:17366), IV immature renal al aight	
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:29 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1736 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular complex(EMAPA:30449), macula densa(EMAPA:2839		eral tem(EMAPA:17366), rular	
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 stage nephron tubule(EMAPA:18 mature nephron	MAPA:16103), visc 245), urinary sys APA:17373), renal 7952), developing GROUP(EMAPA:28506 3976), cortical r	<pre>tem(EMAPA:17366),   capillary loop ), cortical renal enal tubule of 6), distal straight</pre>	

```
7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
```

- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

```
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal
tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight
tubule(EMAPA: 28396), macula densa (EMAPA: 28399)]
17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
stage IV immature nephron(EMAPA:28445), cortical
renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight
tubule(EMAPA:28396), macula densa(EMAPA:28399)]
18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765)
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
stage IV immature nephron(EMAPA:28445), cortical
renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17376), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular
complex(EMAPA:30449), macula densa(EMAPA:28399)]
```

- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
- 25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
  embryo(EMAPA:16039), organ system(EMAPA:16103),

Modified Componen	t 554
	<pre>visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]</pre>
	26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
	28. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
	29. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28396>
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30449>
	3. order=1 for EMAPA:28396 order=1 for EMAPA:30449

Modified Component 555			
ID	EMAPA:28393	Is Group Term	false
Name	distal convoluted	tubule	
Starts At	TS25	Ends At	TS28
Primary Parents		cal renal tubule of 7[renal distal tube	
Group Parents			
Synonyms	[second convoluted tubule]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]		
Alternate Paths	organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera ), urinary system	1

Γ

```
metanephros(EMAPA:17373), mature
nephron(EMAPA:28491), cortical renal
tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), distal
convoluted tubule(EMAPA:28393)]
```

- 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
- 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
  organ system(EMAPA:16103), visceral
  organ(EMAPA:16245), urinary system(EMAPA:17366),
  metanephros(EMAPA:17373), renal
  cortex(EMAPA:17952), maturing nephron(EMAPA:28485),

```
cortical renal tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal convoluted
tubule(EMAPA:28393)]
```

- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule(EMAPA:28393)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted

```
tubule(EMAPA: 28393)]
20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), late
tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal
convoluted tubule(EMAPA:28393)]
21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late
tubule(EMAPA:28527), cortical renal
tubule(EMAPA:18976), renal distal
tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]
22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing
nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal
convoluted tubule (EMAPA: 28393)]
23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing
nephron(EMAPA:28485), cortical renal
tubule(EMAPA: 18976), renal distal
tubule(EMAPA: 28387), distal convoluted tubule(EMAPA: 28393)]
24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), distal
convoluted tubule (EMAPA: 28393) ]
25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
```

embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA: 28387), tubule(EMAPA: 28393)]

distal convoluted

- 26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule (EMAPA: 28393)]
- 27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metalenthrouse (EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA:28393)]

PASSED Edit Status CHANGED Rule Status Different Order - Referenced Component has no order entries; This Component has order entry <1</li> Comments for EMAPA:28387> 2. order=1 for EMAPA:28387

Modified Compon	ent 556
ID	EMAPA: 28390 Is Group Term false
Name	early distal tubule
Starts At	TS25 Ends At TS27
Primary Parents	EMAPA:28387[renal distal tubule]
Group Parents	
Synonyms	[]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:283890)]

```
Modified Component 556
                                                          8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                                                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                                                          system(EMAPA:17366), metanephros(EMAPA:17373),
                                                          stage IV immature nephron(EMAPA:28445), cortical
                                                          renal tubule(EMAPA: 18976), renal distal
                                                          tubule(EMAPA: 28387), early distal tubule(EMAPA: 28390)]
                                                          9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                                                         embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), developing capillary
                                                          loop stage nephron GROUP(EMAPA: 28506), cortical
                                                          renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
                                                          10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                                                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late
                                                          tubule(EMAPA: 28527), cortical renal tubule(EMAPA: 18976), renal distal
                                                          tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
                                                         11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17373), system(EMAPA:17373), embryo(EMAPA:17373), embryo(EMAPA:17373)
                                                          renal cortex(EMAPA:17952), maturing
                                                          nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal
                                                          tubule(EMAPA:28387), early distal
tubule(EMAPA:28390)]
                                                          12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                                                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                                                         system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal
                                                          tubule(EMAPA:28387), early distal
tubule(EMAPA:28390)]
                                                          13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                                                         embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal
                                                          tubule(EMAPA:28387), early distal tubule(EMAPA:28390)]
                                                                                                                                                                              CHANGED
Rule Status
                                                          PASSED
                                                                                                                   Edit Status

    Different Order - Referenced Component has
no order entries; This Component has order entry <0</li>

Comments
                                                                           2. order=0 for EMAPA:28387
```

Modified Component 557			
ID	EMAPA:28337	Is Group Term	false
Name	outer medullary i	nterstitium	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28310[outer medulla] EMAPA:28518[renal interstitium group]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal		

Modified Component 557				
		medulla(EMAPA:19279), outer medulla(EMAPA:28310),		
Alternate Paths				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28310>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:28518>			
	3. order=1 order=8 for EMAPA	for EMAPA:28310 1:28518		

Modified Component 558			
ID	EMAPA:28346	Is Group Term	false
Name	outer medullary c	collecting duct	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28494[ureteric trunk] EMAPA:28310[outer medulla]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:28310), outer medullary collecting duct(EMAPA:28346)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494), outer medullary collecting duct(EMAPA:28346)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494), outer medullary collecting duct(EMAPA:28346)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494), outer medullary collecting duct(EMAPA:28346)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),		

Modified Component 558			
	collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494), outer medullary collecting duct(EMAPA:28346)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer medullary collecting duct(EMAPA:28346)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28494>  2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:28310>		
	3. order=4 for EMAPA:28310 order=2 for EMAPA:28494		

Modified Component 559			
ID	EMAPA:17948	Is Group Term	false
Name	pelvis		
Starts At	TS21	Ends At	TS28
Primary Parents	EMAPA:17373[metanephros]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <19 for EMAPA:17373>		
	2. order=19 for EMAPA:17373		

Modified Component 560			
ID	EMAPA:28325	Is Group Term	false
Name	thin descending limb		
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28322[loop of Henle, outer medullary portion]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), thin descending limb(EMAPA:28325)]		
Alternate Paths	organ system(EMAP	omy(EMAPA:0), mous A:16103), viscera ), urinary system	1 '

Modified Component 560			
	metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), thin descending limb(EMAPA:28325)]		
	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:19280 group(EMAPA:19280	279), Loop of Henl )), loop of Henle, 322), thin descend	l (EMAPA:17366), e outer medullary
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 mature nephron(EM group(EMAPA:19280	comy(EMAPA:0), mou 89), organ system( MAPA:16245), urina 66), metanephros(E MAPA:28491), Loop 0), loop of Henle, 822), thin descend	EMAPA:16103), ry MAPA:17373), of Henle outer medullary
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), thin descending limb(EMAPA:28325)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA group(EMAPA:19280	comy(EMAPA:0), mou 39), organ system( MAPA:16245), urina 56), metanephros(E APA:19279), Loop o 0), loop of Henle, 322), thin descend	EMAPA:16103), ry MAPA:17373), f Henle outer medullary
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28322>		
	2. order=0	for EMAPA:28322	

Modified Component 561				
ID	EMAPA:28328	Is Group Term	false	
Name	thin ascending li	mb		
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA:28322[loop	of Henle, outer m	edullary portion]	
Group Parents				
Synonyms	[ascending thin l	imb]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), thin ascending limb(EMAPA:28328)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), thin ascending limb(EMAPA:28328)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Component 561				
	organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), thin ascending limb(EMAPA:28328)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:173766), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), thin ascending limb(EMAPA:28328)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), thin ascending limb(EMAPA:28328)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), thin ascending limb(EMAPA:28328)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28322>			
	2. order=1 for EMAPA:28322			

Modified Component 562			
ID	EMAPA:17950	Is Group Term	false
Name	ureter		
Starts At	TS20	Ends At	TS28
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17366>		
	2. order=7 for EMAPA:17366		

Modified Component 563			
ID	EMAPA:28331	Is Group Term	false
Name	premacula segment of distal straight tubule		
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28322[loop	of Henle, outer me	edullary portion]

Modified Componer	nt 563		
Group Parents			
Synonyms	[thick ascending limb]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), premacula segment of distal straight tubule(EMAPA:28331)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28332), premacula segment of distal straight tubule(EMAPA:28331)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), premacula segment of distal straight tubule(EMAPA:28331)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), premacula segment of distal straight tubule(EMAPA:28331)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322), premacula segment of distal straight tubule(EMAPA:28331)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322), premacula segment of distal straight tubule(EMAPA:28331)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28322>		
	2. order=3 for EMAPA:28322		

Modified Component 564			
ID	EMAPA:28358	Is Group Term	false
Name	bend		
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28352[loop of Henle, inner medullary portion]		
Group Parents			
Synonyms	[U-turn]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal		

Modified Component 564				
	medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352), bend(EMAPA:28358)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), bend(EMAPA:28358)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), bend(EMAPA:28358)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), bend(EMAPA:28358)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352), bend(EMAPA:28358)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), bend(EMAPA:28358)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28352>			
	2. order=1 for EMAPA:28352			

Modified Component 565				
ID	EMAPA:28364	Is Group Term	false	
Name	inner medullary i	nterstitium		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28518[renal EMAPA:28349[inner	interstitium gromedulla]	up]	
Group Parents				
Synonyms	[papillary inters	titium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),			

Modified Component 565				
	renal interstitium group(EMAPA:28518), inner medullary interstitium(EMAPA:28364)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary interstitium(EMAPA:28364)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28349>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:28518>			
	3. order=1 order=9 for EMAPA	for EMAPA:28349 3:28518		

Modified Component 566				
ID	EMAPA:28361	Is Group Term	false	
Name	thin ascending li	_mb		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28352[loop	of Henle, inner m	edullary portion]	
Group Parents				
Synonyms	[ascending thin ]	limb]		
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 loop of Henle, ir	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:17366), metanephros(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:17366), metanephros(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:16039), organ system(EMAPA:16103), renal medulla(EMAPA:19279), inner medulla(EMAPA:28361)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:28361)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:28361)]			

Modified Component 566				
	visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28352>			
	2. order=2	for EMAPA:28352		

Modified Component 567					
ID	EMAPA:28349	Is Group Term	false		
Name	inner medulla				
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:19279[renal	medulla]			
Group Parents					
Synonyms	[papilla]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:28349)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:19279>				
	2. order=5	for EMAPA:19279			

Modified Component 568					
ID	EMAPA:28352	Is Group Term	false		
Name	loop of Henle, in	ner medullary por	tion		
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:19280[Loop medulla]	of Henle group] E	MAPA:28349[inner		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352)]				
	organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera ), urinary system	1		

Modified Component 568					
	metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28349>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19280>				
	3. order=0 order=1 for EMAPA	for EMAPA:28349 :19280			

Modified Component 569					
ID	EMAPA:28355	Is Group Term	false		
Name	thin descending l	imb			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:28352[loop	of Henle, inner m	edullary portion]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352), thin descending limb(EMAPA:28355)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin descending limb(EMAPA:28355)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin descending limb(EMAPA:28355)]				
		omy(EMAPA:0), mou 9), organ system(			

Modified Component 569					
	system(EMmature ne group(EMM	MAPA:1736 ephron(EM APA:19280 EMAPA:283	52), thin desce	s(El op le,	MAPA:17373), of Henle inner medullary
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352), thin descending limb(EMAPA:28355)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin descending limb(EMAPA:28355)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28352>				
	2.	order=0	for EMAPA:2835	2	

Modified Component 570					
ID	EMAPA:17975	Is Group Term	false		
Name	germ cell of the	testis			
Starts At	TS20	Ends At	TS22		
Primary Parents	EMAPA:29098[prima	ry sex cord]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), primary sex cord(EMAPA:29098), germ cell of the testis(EMAPA:17975)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), primary sex cord(EMAPA:29098), germ cell of the testis(EMAPA:17975)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29098>				
	2. order=1	for EMAPA:29098			

Modified Component 571				
ID	EMAPA:17953	Is Group Term	false	
Name	nephrogenic interstitium			
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA:27721[nephrogenic zone] EMAPA:28518[renal interstitium group]			
Group Parents				

Modified Component 571					
Synonyms	[peripheral blast	ema]			
Primary Path	organ system(EMAP organ(EMAPA:16245		l (EMAPA:17366),		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), nephrogenic interstitium(EMAPA:17953)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), nephrogenic interstitium(EMAPA:17953)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), nephrogenic interstitium(EMAPA:17953)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:27721>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28518>				
	3. order=0 order=0 for EMAPA	for EMAPA:27721 :28518			

Modified Component 572					
ID	EMAPA:17952	Is Group Term	false		
Name	renal cortex				
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:17373[metan	ephros]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <16 for EMAPA:17373>				
	2. order=16 for EMAPA:17373				

Modified Component 573				
ID	EMAPA:17954	Is Group Term	true	
Name	early nephron GROUP			

Modified Component 573					
Starts At	TS20	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17373[metan	ephros]			
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <20 for EMAPA:17373>				
	2. order=20	for EMAPA:17373			

Modified Component 574					
ID	EMAPA:17956	Is Group Term	false		
Name	phallic urethra o	f male			
Starts At	TS23	Ends At	TS27		
Primary Parents	EMAPA:18692[ureth	ra of male]			
Group Parents					
Synonyms	[external urethra	of male]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18692>				
	2. order=2	for EMAPA:18692			

Modified Component 575				
ID	EMAPA:17959	Is Group Term	false	
Name	female reproducti	ve system		
Starts At	TS20	Ends At	TS28	
Primary Parents	EMAPA:17381[repro	ductive system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Γ

Modified Component 575				
	system(EMAPA:17381), female reproductive system(EMAPA:17959)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17381>			
	2. order=4	for EMAPA:17381		

Modified Component 576					
ID	EMAPA:17961	Is Group Term	false		
Name	mesovarium				
Starts At	TS20	Ends At	TS28		
Primary Parents	EMAPA:28540[fema] structure] EMAPA:	le associated repr :17959[female repr	oductive oductive system]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesovarium(EMAPA:17961)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), mesovarium(EMAPA:17961)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),				
	<pre>embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), mesovarium(EMAPA:17961)]</pre>				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesovarium(EMAPA:17961)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28540>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17959>				
	3. order=4 order=0 for EMAPA	for EMAPA:17959 A:28540			

Modified Component 577				
ID	EMAPA:28322	Is Group Term	false	
Name	loop of Henle, ou	ter medullary por	tion	
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:19280[Loop of Henle group] EMAPA:28310[outer medulla]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal			

Modified Componer	nt 577				
	medulla(EM	nle, ou	ter medullar		a(EMAPA:28310),
Alternate Paths	organ syst organ(EMAP metanephro nephron(EM	em(EMAP A:16245 s(EMAPA IAPA:284 A:19280	A:16103), vi ), urinary s :17373), mat 91), Loop of ), loop of H	scera ystem ure Henl	(EMAPA:17366),
	organ syst organ(EMAP metanephro medulla(EM	em(EMAP A:16245 s(EMAPA APA:192	A:16103), vi ), urinary s :17373), ren 79), Loop of ), loop of H	scera ystem al Henl	(EMAPA:17366),
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:173766), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer medull portion(EMAPA:28322)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), loop of Henle, outer medullary portion(EMAPA:28322)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:28322)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19280>				
	2. Different Order - Referenced Componer no order entries; This Component has order ent for EMAPA:28310>				
	3. o order=0 fo		for EMAPA:28 :19280	310	

Modified Component 578				
ID	EMAPA:17962	Is Group Term	false	
Name	ovary			
Starts At	TS20	Ends At	TS28	
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962)]			
Rule Status	PASSED	Edit Status	CHANGED	

Modified Component 578					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17959>				
	2. order=3 for EMAPA:17959				

Modified Componen	odified Component 579				
ID	EMAPA:17966	Is Group Term	false		
Name	rete ovarii of ov	ary			
Starts At	TS20	Ends At	TS28		
Primary Parents	EMAPA:17962[ovary	.]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), rete ovarii of ovary(EMAPA:17966)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), rete ovarii of ovary(EMAPA:17966)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <15 for EMAPA:17962>				
	2. order=15 for EMAPA:17962				

Modified Component 580					
ID	EMAPA:17965	Is Group Term	false		
Name	germ cell of ovar	У			
Starts At	TS20 Ends At TS24				
Primary Parents	EMAPA:17962[ovary	.]			
Group Parents					
Synonyms	[oogonia, premeio	tic germ cell]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), germ cell of ovary(EMAPA:17965)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), germ cell of ovary(EMAPA:17965)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17962>				
	2. order=3	for EMAPA:17962			

Modified Component 581				
ID	EMAPA:17963	Is Group Term	false	
	1			

Modified Component 581					
Name	surface epitheliu	ım of ovary			
Starts At	TS20	Ends At	TS28		
Primary Parents	EMAPA:17962[ovary	7]			
Group Parents					
Synonyms	[coelomic epithe]	Lium]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), surface epithelium of ovary(EMAPA:17963)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), surface epithelium of ovary(EMAPA:17963)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17962>				
	2. order=0	for EMAPA:17962			

Modified Component 582					
ID	EMAPA:17969	Is Group Term	false		
Name	genital tubercle	of male			
Starts At	TS20	Ends At	TS24		
Primary Parents	EMAPA:30977[male	reproductive syst external genitali associated reprod	a]		
Group Parents					
Synonyms	[penis anlage]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969)]				

Modified Component 582				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), genital tubercle of male(EMAPA:17969)]			
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28533>  2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30977>			
	3. Different Order - Referenced Component has no order entries; This Component has order entry <20 for EMAPA:17968>			
	order=0 t	order=20 for EMAPA for EMAPA		968

Modified Component 583			
ID	EMAPA:17968	Is Group Term	false
Name	male reproductive	system	
Starts At	TS20	Ends At	TS28
Primary Parents	EMAPA:17381[repro	ductive system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17381>		
	2. order=2	for EMAPA:17381	

Modified Component 584			
ID	EMAPA:28310	Is Group Term	false
Name	outer medulla		
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:19279[renal	medulla]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:28310)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),		

Modified Component 584			
	renal medulla(EMAPA:19279), outer		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:19279>		
	2. order=4	for EMAPA:19279	

Modified Component 585			
ID	EMAPA:17972	Is Group Term	false
Name	testis		
Starts At	TS20	Ends At	TS28
Primary Parents	EMAPA:17968[male	reproductive syst	em]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17968>		
	2. order=4	for EMAPA:17968	

Modified Componen	t 586		
ID	EMAPA:17973	Is Group Term	false
Name	coelomic epitheli	um of testis	
Starts At	TS20	Ends At	TS24
Primary Parents	EMAPA:17972[testi	s]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), coelomic epithelium of testis(EMAPA:17973)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), coelomic epithelium of testis(EMAPA:17973)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17972>		
	2. order=0	for EMAPA:17972	

Modified Component 587			
ID	EMAPA:17970	Is Group Term	false
Name	nephric duct of m	ale, mesonephric	portion
Starts At	TS20	Ends At	TS23
Primary Parents	EMAPA:29138[meson	ephros of male]	
Group Parents			
Synonyms	[mesonephric duct Wolffian duct of	of male, mesonepl	hric portion,
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), nephric duct of male, mesonephric portion(EMAPA:17970)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), mesonephros of male(EMAPA:29138), nephric duct of male, mesonephric portion(EMAPA:17970)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29138>		
	2. order=0	for EMAPA:29138	

Modified Componer	nt 588		
ID	EMAPA:17971	Is Group Term	false
Name	mesorchium		
Starts At	TS20	Ends At	TS28
Primary Parents		reproductive syst associated reprod	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738	(EMAPA:0), mouse( PA:16103), viscera 5), reproductive B1), male reproduc 58), mesorchium(EM	l tive
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), mesorchium(EMAPA:17971)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796	comy(EMAPA:0), mou 89), organ system( MAPA:16245), repro 81), male reproduc 58), male associat 28533), mesorchium	EMAPA:16103), ductive tive ed reproductive
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 39), organ system( MAPA:16245), repro 31), male reproduc 58), mesorchium(EM	EMAPA:16103), ductive tive
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differer no order entries; for EMAPA:28533>	nt Order - Referen This Component h	ced Component has as order entry <1
	2. Differer no order entries;	nt Order - Referen This Component h	ced Component has as order entry

Modified Component 588		
<19	for EMAPA:17968>	
orde	3. order=19 for EMAPA:17968 r=1 for EMAPA:28533	

ID	EMAPA:30037	Is Group Term	false
Name	renal cortical		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:31469[sma		B] EMAPA:28142[renal
Group Parents			
Synonyms	[]		
Primary Path	organ system(EN organ(EMAPA:162 metanephros(EMAPA:17	MAPA:16103), visc 245), urinary sys APA:17373), renal 7952), renal cort APA:28142), renal	stem(EMAPA:17366), L cical
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal cortical capillary(EMAPA:30037)]		ceral stem(EMAPA:17366), l blood
	organ system(EN organ(EMAPA:162 metanephros(EMA	MAPA:16103), visc 245), urinary sys APA:17373), renal APA:31443), renal	stem(EMAPA:17366), L
	embryo(EMAPA:10 visceral organ system(EMAPA:17	5039), organ syst (EMAPA:16245), ur 7366), metanephro ssels(EMAPA:31469	
	embryo(EMAPA:10 visceral organ system(EMAPA:1	5039), organ syst (EMAPA:16245), ur 7366), metanephro ies(EMAPA:31443),	os(EMAPA:17373),
	embryo(EMAPA:10 visceral organ system(EMAPA:17 renal cortex(EN	5039), organ syst (EMAPA:16245), ur 7366), metanephro MAPA:17952), rena APA:28142), renal	os(EMĀPA:17373), al cortical
Rule Status	PASSED	Edit Status	CHANGED
Comments	no order entrie for EMAPA:31469	es; This Componer	erenced Component has nt has order entry <0 erenced Component has nt has order entry <1
	3. Differ	rent Order - Refe es; This Componer	erenced Component has nt has order entry <2
	4. order: order=1 for EMA order=0 for EMA		12

Modified Component 590			
ID	EMAPA:31235	Is Group Term	true
Name	developing vascul	ature system of e	pididymis
Starts At	TS24	Ends At	TS27
Primary Parents			
Group Parents	EMAPA:19290[epidi	dymis]	
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature system of epididymis(EMAPA:31235)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature system of epididymis(EMAPA:31235)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:19290>		
	2. order=11	for EMAPA:19290	

Modified Compon		
ID	EMAPA:30031	
Name	glomerular mesangium of Bowman's capsule	
Starts At	TS22 Ends At TS27	
Primary Parents	EMAPA:27973[Bowman's capsule]	
Group Parents		
Synonyms	[]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)]	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of	

### Modified Component 591 Bowman's capsule(EMAPA: 30031)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373) stage IV immature nephron(EMAPA: 28445), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule (EMAPA: 28527), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA:27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA: 27943), Bowman's capsule(EMAPA: 27973), glomerular mesangium of Bowman's capsule(EMAPA:30031)] PASSED CHANGED Rule Status Edit Status Different Order - Referenced Component has Comments no order entries; This Component has order entry <2 for EMAPA: 27973> order=2 for EMAPA:27973

Modified Component 592				
ID	EMAPA:30801	Is Group Term	false	
Name	vasculature of bu	lbourethral gland		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19286[bulbourethral gland]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive			

Modified Component 592				
	gland(EMAPA:1928	68), male accessor 5), bulbourethral 6), vasculature of 1)]	-	
Alternate Paths	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 gland(EMAPA:1928	tomy(EMAPA:0), mou 39), organ system(3 MAPA:16245), repro 81), male reproduc 68), male accessor 5), bulbourethral 6), vasculature of 1)]	EMAPA:16103), ductive tive Y	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19286>			
	2. order=2	for EMAPA:19286		

Modified Component 593				
ID	EMAPA:30809	Is Group Term	false	
Name	vasculature of ov	iduct		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18984[ovidu	ct]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), vasculature of oviduct(EMAPA:30809)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), vasculature of oviduct(EMAPA:30809)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:18984>			
	2. order=5	for EMAPA:18984	-	

Modified Component 594				
ID	EMAPA:30807	Is Group Term	false	
Name	vasculature of pe	nis		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18682[penis	]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), vasculature of penis(EMAPA:30807)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external			

Modified Component 594				
	genitalia(EMAPA:30977), penis(EMAPA:18682), vasculature of penis(EMAPA:30807)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), vasculature of penis(EMAPA:30807)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), vasculature of penis(EMAPA:30807)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18682>			
	2. order=3	for EMAPA:18682		

Modified Component 595				
ID	EMAPA:28281	Is Group Term	false	
Name	renal proximal	tubule	,	
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:18976[co	rtical renal tubu	le]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)]			
	organ system(E organ(EMAPA:16 metanephros(EM nephron(EMAPA: tubule(EMAPA:1	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)]			
	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 cortical renal	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)]		
	organ system(E organ(EMAPA:16	MAPA:16103), visc	tem(EMAPA:17366),	

# Modified Component 595 cortex(EMAPA:17952), maturing nephron(EMAPA:28485) cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA: 28281)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA: 17366), metanephros(EMAPA: 17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373) stage IV immature nephron(EMAPA: 28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA: 28281)] 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA: 28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)] 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)] 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)] 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281)] PASSED Edit Status CHANGED Rule Status Different Order - Referenced Component has Comments no order entries; This Component has order entry <1 for EMAPA:18976> order=1 for EMAPA:18976

Modified Component 596				
ID	EMAPA:30805	Is Group Term	false	

Modified Component 596				
Name	vasculature of pr	ostate gland		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19287[prost	ate gland]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), vasculature of prostate gland(EMAPA:30805)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), vasculature of prostate gland(EMAPA:30805)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19287>			
	2. order=3	for EMAPA:19287		

Modified Component 597				
ID	EMAPA:28284	Is Group Term	false	
Name	early proximal	l tubule		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:28281[re	enal proximal tu	bule]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(Forgan(EMAPA:16 metanephros(EMAPA:16 tubule(EMAPA:16 tubule(EMAPA:26 tubule(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28284)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:18976), renal proximal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284)]			

```
4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527),
cortical renal tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), early proximal
tubule(EMAPA:28284)]
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), early proximal tubule(EMAPA:28284)]
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron
GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), early proximal
tubule(EMAPA:28284)]
7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal
tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), early proximal tubule(EMAPA:28284)]
8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
stage IV immature nephron(EMAPA:28445), cortical
renal tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), early proximal
tubule(EMAPA:28284)]
9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary
loop stage nephron GROUP(EMAPA: 28506), cortical
renal tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), early proximal
tubule(EMAPA:28284) j

    [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), late
tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), early proximal
tubule(EMAPA:28284)]
11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17300), metallephrotical renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal
tubule(EMAPA:28284)]
12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281)
                               early proximal
tubule(EMAPA: 28284)]
```

[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

Modified Component 597				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal tubule(EMAPA:28284)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28281>			
	2. order=0	for EMAPA:28281		

Modified Compor	ent 598			
ID	EMAPA: 28287	Is Group Term	false	
Name	renal proximal	renal proximal convoluted tubule		
Starts At	TS25	Ends At	TS28	
Primary Parents		tical renal tubul 2281[renal proxima	e of mature nephron l tubule]	
Group Parents				
Synonyms	[first convolut	ed tubule]		
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 tubule(EMAPA:18	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proxima convoluted tubule(EMAPA:28287)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28281), cortical renal tubule(EMAPA:28281), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proxima convoluted tubule(EMAPA:28287)]			
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:2 tubule(EMAPA:28	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366) metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renatubule(EMAPA:18976), cortical renatubule(EMAPA:18976), renature nephron GROUP(EMAPA:31566), renature nephron GROUP(EMAPA:31		ral em(EMAPA:17366), capillary loop , cortical renal nal tubule of	

#### convoluted tubule (EMAPA: 28287)]

- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765)

### Modified Component 598

```
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
mature nephron(EMAPA:28491), cortical renal
tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), renal proximal convoluted
tubule(EMAPA:28287)]
```

- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]
- 23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]

Modified Component 598				
	24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]  25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:28281), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]  26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]			
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28281>			
	2. order=1	for EMAPA:28281		

ID	EMAPA:31240	Is Group Term	false		
Name	surface epithe	elium of testis			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:17972[te	estis]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(I organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), surface epithelium of testis(EMAPA:31240)]			
Alternate Paths	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), surface epithelium of testis(EMAPA:31240)]			
Rule Status	PASSED	Edit Status	CHANGED		
Comments	no order entr	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17972>			
	2 order	2. order=10 for EMAPA:17972			

Modified Component 600				

Modified Component 600				
ID	EMAPA:31247	Is Group Term	false	
Name	follicle cell of	primordial follic	le	
Starts At	TS27	Ends At	TS28	
Primary Parents	EMAPA:30755[primo	ordial follicle]		
Group Parents				
Synonyms	[granulosa cell]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primordial follicle(EMAPA:30755), follicle cell of primordial follicle(EMAPA:31247)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primordial follicle(EMAPA:30755), follicle cell of primordial follicle(EMAPA:31247)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30755>			
	2. order=1 for EMAPA:30755			

Modified Component 601				
ID	EMAPA:30813	Is Group Term	false	
Name	vasculature of va	gina		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18986[vagin	a]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), vasculature of vagina(EMAPA:30813)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), vasculature of vagina(EMAPA:30813)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18986>			
	2. order=2	for EMAPA:18986		

Modified Component 602			
ID	EMAPA:30811	Is Group Term	false
Name	vasculature of uterus		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29915[uterus]		
Group Parents			
Synonyms	[]		

Modified Component 602				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), vasculature of uterus(EMAPA:30811)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), vasculature of uterus(EMAPA:30811)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:29915>			
	2. order=4	for EMAPA:29915		

Modified Compor			E-1		
ID	EMAPA: 28272	Is Group Term	false		
Name	rest of affere	rest of afferent arteriole			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:28266[af	ferent arteriole]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 corpuscle(EMAP arteriole(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)]			
Alternate Paths	organ system(Forgan(EMAPA:16 renal venous s	EMAPA:16103), visc 5245), urinary sys system(EMAPA:31450 PA:28266), rest of	stem(EMAPA:17366), )), afferent		
	organ system(Eorgan(EMAPA:16 developing vas GROUP(EMAPA:31	EMAPA:16103), visc 5245), urinary sys sculature of urina 1563), renal vascu riole(EMAPA:28266)	stem(EMAPA:17366),		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA: organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17 renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1736 metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)]				
	organ system(E organ(EMAPA:16 metanephros(EM nephron(EMAPA: corpuscle(EMAE	EMAPA:16103), visc 5245), urinary sys MAPA:17373), matur 28491), mature re PA:28236), afferen PA:28266), rest of	stem(EMAPA:17366), se enal at		

## Modified Component 603 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28266), arteriole(EMAPA:28272)] 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)] 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle (EMAPA: 28236), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)] 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)] 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)] Edit Status PASSED CHANGED Rule Status 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <1 for EMAPA:28266> 2. order=1 for EMAPA:28266

Modified Component 604			
ID	EMAPA:30819	Is Group Term	false
Name	clitoris		

Modified Component 604				
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30984[female external genitalia] EMAPA:17959[female reproductive system]			
Group Parents				
Synonyms	[genital tubercle	of female]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738	(EMAPA:0), mouse( A:16103), viscera ), reproductive 1), female reprod 9), clitoris(EMAP	l uctive	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30984>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:17959>			
	3. order=13 order=1 for EMAPA	for EMAPA:17959 3:30984		

		1	[C ]	
ID	EMAPA: 28275	Is Group Term	false	
Name	efferent arteriol	Le		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28236[matur EMAPA:31469[smal] venous system]		le] EMAPA:31450[renal	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795 corpuscle(EMAPA:2	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), efferent arteriole(EMAPA:28275)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), efferent arteriole(EMAPA:28275)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), efferent arteriole(EMAPA:28275)]			

### Modified Component 605 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), efferent arteriole(EMAPA:28275) 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA: 17954), mature renal corpuscle(EMAPA: 28236), efferent arteriole(EMAPA:28275) 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), efferent arteriole(EMAPA:28275)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), efferent arteriole(EMAPA:28275)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), efferent arteriole(EMAPA:28275)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), efferent arteriole(EMAPA:28275)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), efferent arteriole(EMAPA:28275)] CHANGED PASSED Rule Status Edit Status Different Order - Referenced Component has no order entries; This Component has order entry <1</li> Comments for EMAPA:31469> 2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28236> 3. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:31450> order=3 for EMAPA:28236 order=4 for EMAPA:31450 order=1 for EMAPA:31469

Modified Component 606				
ID	EMAPA:31250	Is Group Term	false	
Name	cremaster muscle			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:17968[male reproductive system]			
Group Parents				

Modified Component 606					
Synonyms	[]				
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), cremaster muscle(EMAPA:31250)]			
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), cremaster muscle(EMAPA:31250)]			
Rule Status	PASSED	Edit Status	CHANGED		
Comments		1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17968>			
	2. order=5	for EMAPA:1796	8		

ID	EMAPA: 28278	Is Group Term	false			
Name		extraglomerular mesangium				
	TS25					
Starts At Primary Parents	EMAPA: 28518[ren EMAPA: 30449[jux	TS25  EMAPA: 28518[renal interstitium group] EMAPA: 30449[juxtaglomerular complex] EMAPA: 28236[mature renal corpuscle]				
Group Parents						
Synonyms	[]	[[]				
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 corpuscle(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), extraglomerular mesangium(EMAPA:28278)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), extraglomerular mesangium(EMAPA:28278)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), extraglomerular mesangium(EMAPA:28278)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular complex(EMAPA:30449), extraglomerular mesangium(EMAPA:28278)]					
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), extraglomerular mesangium(EMAPA:28278)]					
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), extraglomerular mesangium(EMAPA:28278)]					

Modified Component 607						
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), extraglomerular mesangium(EMAPA:28278)]					
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular complex(EMAPA:30449), extraglomerular mesangium(EMAPA:28278)]					
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), extraglomerular mesangium(EMAPA:28278)]  9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), extraglomerular mesangium(EMAPA:28278)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30449>					
	2. Different Order - Referenced Component no order entries; This Component has order entries tor EMAPA: 28236>  3. Different Order - Referenced Component no order entries; This Component has order entries tor EMAPA: 28518>					
	4. order=4 f order=5 for EMAPA: order=0 for EMAPA:					

Modified Component 608						
ID	EMAPA:31214	Is Group Term	false			
Name	developing vasculature of oviduct					
Starts At	TS24	Ends At	TS27			
Primary Parents	EMAPA:18984[oviduct]					
Group Parents						
Synonyms	[1					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), developing vasculature of oviduct(EMAPA:31214)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), developing vasculature of oviduct(EMAPA:31214)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:18984>					
	2. order=4 for EMAPA:18984					

Modified Component 609				
ID	EMAPA:30011	Is Group Term	false	
Name	endothelium of	renal vein	·	
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA:28376[ren	al vein]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMorgan(EMAPA:162	APA:16103), visc 45), urinary sys A:28376), endoth	tem(EMAPA:17366),	
Alternate Paths	organ system(EM organ(EMAPA:162 renal venous sy	APA:16103), visc 45), urinary sys stem(EMAPA:31450 6), endothelium	tem(EMAPA:17366), ), renal	
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457 renal vein(EMAPA:28376), endothelium of renal vein(EMAPA:30011)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), endothelium of renal vein(EMAPA:30011)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal vein(EMAPA:28376), endothelium of renal vein(EMAPA:30011)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), endothelium of renal vein(EMAPA:30011)]		
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 urinary system vasculature(EMA			
	<pre>6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), endothelium of renal vein(EMAPA:30011)]  7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vein(EMAPA:28376), endothelium of renal vein(EMAPA:30011)]</pre>			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA: 28376>			
	2. order=1 for EMAPA:28376			

Modified Component 610				
ID	EMAPA:17209 Is Group Term false			
Name	ureteric bud			
Starts At	TS18	Ends At	TS18	

Modified Component 610				
Primary Parents	EMAPA:17207[metanephros]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), ureteric bud(EMAPA:17209)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), ureteric bud(EMAPA:17209)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17207>			
	2. order=1 for EMAPA:17207			

Modified Component 611			
ID	EMAPA:17208	Is Group Term	false
Name	metanephric mesen	ichyme	
Starts At	TS18	Ends At	TS18
Primary Parents	EMAPA:17207[metan	ephros]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), metanephric mesenchyme(EMAPA:17208)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207), metanephric mesenchyme(EMAPA:17208)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17207>		
	2. order=0 for EMAPA:17207		

Modified Component 612				
ID	EMAPA:17207	Is Group Term	false	
Name	metanephros			
Starts At	TS18	Ends At	TS18	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), metanephros(EMAPA:17207)]			
Rule Status	PASSED	Edit Status	CHANGED	

Modified Component 612			
	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:16367>		
	2. order=11 for EMAPA:16367		

Modified Component 613			
ID	EMAPA:29788	Is Group Term	false
Name	rest of ejaculato	ry duct	•
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:19088[ejacu	latory duct]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088), rest of ejaculatory duct(EMAPA:29788)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088), rest of ejaculatory duct(EMAPA:29788)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19088>		
	2. order=1	for EMAPA:19088	

Modified Component 614				
ID	EMAPA:30821	Is Group Term	false	
Name	crus of clitoris			
Starts At	TS28 Ends At TS28			
Primary Parents	EMAPA:30819[clito	ris]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female external			

Modified Component 614				
	genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30819>			
	2. order=0	for EMAPA:30819		

Modified Compo	EMAPA:30019   Is Group Term   false
Name	smooth muscle layer of renal vein
	TS21 Ends At TS28
Starts At	
Primary Parents	EMAPA:28376[renal vein]
Group Parents	
Synonyms	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2

Modified Componen	t 615
	for EMAPA:28376>
	2. order=2 for EMAPA:28376

Modified Compon	ent 616			
ID	EMAPA:31219	Is Group Term	false	
Name	developing vascul	lature of upper pa	rt of vagina	
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:18987[upper EMAPA:31229[devel	part of vagina] oping vasculature	of vagina]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 part of vagina(EM	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), developing vasculature of upper part of vagina(EMAPA:31219)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), developing vasculature of vagina(EMAPA:31229), developing vasculature of upper part of vagina(EMAPA:31219)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), developing vasculature of vagina(EMAPA:31229), developing vasculature of upper part of vagina(EMAPA:31219)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987), developing vasculature of upper part of vagina(EMAPA:31219)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component in no order entries; This Component has order entry for EMAPA:31229>  2. Different Order - Referenced Component in no order entries; This Component has order entry for EMAPA:18987>  3. order=3 for EMAPA:18987			
	order=1 for EMAPA			

Modified Component 617				
ID	EMAPA:30825	Is Group Term	false	
Name	epithelial layer	of crus of clitor	is	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30821[crus of clitoris]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 617				
	system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), epithelial layer of crus of clitoris(EMAPA:30825)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), epithelial layer of crus of clitoris(EMAPA:30825)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), epithelial layer of crus of clitoris(EMAPA:30825)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), epithelial layer of crus of clitoris(EMAPA:30825)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30821>			
	2. order=0 for EMAPA:30821			

Modified Component 618				
ID	EMAPA:30823	Is Group Term	false	
Name	os clitoris			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30821[crus	of clitoris]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), os clitoris(EMAPA:30823)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), os clitoris(EMAPA:30823)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), os clitoris(EMAPA:30823)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), os clitoris(EMAPA:30823)]			
Rule Status	PASSED	Edit Status	CHANGED	
		•		

Modified Component 618				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30821>			
	2. order=2 for EMAPA:30821			

Modified Component 619				
ID	EMAPA:29790	Is Group Term	false	
Name	epithelial compon	ent of bulboureth	ral gland	
Starts At	TS28 Ends At TS28			
Primary Parents	EMAPA:19286[bulbo	urethral gland]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), bulbourethral gland(EMAPA:19286), epithelial component of bulbourethral gland(EMAPA:29790)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), bulbourethral gland(EMAPA:19286), epithelial component of bulbourethral gland(EMAPA:29790)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19286>			
	2. order=0 for EMAPA:19286			

Modified Component 620				
ID	EMAPA:30829	Is Group Term	false	
Name	glans clitoris			
Starts At	TS28 Ends At TS28			
Primary Parents	EMAPA:30819[clito	ris]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 620				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30819>			
	2. order=1	for EMAPA:30819		

Modified Component 621				
ID	EMAPA:28260	Is Group Term	false	
Name	parietal epithe	parietal epithelium		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA: 28257 [ Bov	wman's capsule]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 corpuscle(EMAPA:2 capsule(EMAPA:2	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28260)]		
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 nephron(EMAPA:2 corpuscle(EMAPA:2 capsule(EMAPA:2	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28260)]		
	organ system(EM organ(EMAPA:162 metanephros(EMA GROUP(EMAPA:179 corpuscle(EMAPA capsule(EMAPA:2	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28260)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28260)]		
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 mature nephron( corpuscle(EMAPA:27 capsule(EMAPA:27			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28260)]			
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 early nephron of corpuscle(EMAPA:27 capsule(EMAPA:27	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28260)]		
Rule Status	PASSED Edit Status CHANGED			

Modified Component 621				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28257>			
	2. order=0 for EMAPA:28257			

Modified Component 622				
ID	EMAPA:30827	Is Group Term	false	
Name	mesenchymal layer	of crus of clito	ris	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30821[crus	of clitoris]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), mesenchymal layer of crus of clitoris(EMAPA:30827)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), mesenchymal layer of crus of clitoris(EMAPA:30827)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), mesenchymal layer of crus of clitoris(EMAPA:30827)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), mesenchymal layer of crus of clitoris(EMAPA:30827)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30821>			
	2. order=1 for EMAPA:30821			

Modified Component 623				
ID	EMAPA:29798	Is Group Term	false	
Name	glandular epithel	ium of anterior p	rostate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29796[anterior prostatic epithelium]			
Group Parents				
Synonyms	[secretory epithelium]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior			

Modified Component 623				
	prostatic epithelium(EMAPA:29796), glandular epithelium of anterior prostate(EMAPA:29798)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic epithelium(EMAPA:29796), glandular epithelium of anterior prostate(EMAPA:29798)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29796>			
	2. order=0	2. order=0 for EMAPA:29796		

Modified Component 624				
ID	EMAPA:28266	Is Group Term	false	
Name	afferent arterio	ole		
Starts At	TS25	Ends At	TS28	
Primary Parents	vasculature] EMA	l blood vessels] I APA:28236[mature re al venous system]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179	952), mature renal 28236), afferent	al	
Alternate Paths	organ system(EMA organ(EMAPA:1624 renal venous sys	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), afferent arteriole(EMAPA:28266)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:2845 afferent arteriole(EMAPA:28266)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), afferent arteriole(EMAPA:28266)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266)]			
6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:173 metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), afferent			al n(EMAPA:17366),	

## Modified Component 624 larteriole(EMAPA:28266)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), afferent arteriole(EMAPA:28266)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA: 17366), renal vasculature(EMAPA: 28457), afferent arteriole(EMAPA:28266)] 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), afferent arteriole(EMAPA:28266)] 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266)] 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA: 28236), afferent arteriole(EMAPA:28266)] 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373) early nephron GROUP(EMAPA: 17954), mature renal corpuscle(EMAPA: 28236), afferent arteriole(EMAPA:28266)] Rule Status PASSED Edit Status CHANGED 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <12 for EMAPA:28457> 2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28236> 3. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:31450> 4. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA: 31469> 5. order=2 for EMAPA:28236 order=12 for EMAPA:28457 order=3 for EMAPA:31450 order=3 for EMAPA:31469

Modified Component 625					
ID	EMAPA:29796 Is Group Term false				
Name anterior prostatic epithelium					

Modified Component 625					
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29794[anter	ior prostate glar	nd]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic epithelium(EMAPA:29796)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic epithelium(EMAPA:29796)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29794>				
	2. order=0 for EMAPA:29794				

Modified Component 626				
ID	EMAPA:17211	Is Group Term	false	
Name	urogenital sinus			
Starts At	TS18	Ends At	TS18	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital sinus(EMAPA:17211)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital sinus(EMAPA:17211)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:16367>			
	2. order=12 for EMAPA:16367			

Modified Component 627				
ID	EMAPA:28269	Is Group Term	false	
Name	part of afferent arteriole forming the juxtaglomerular complex			
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA:28266[afferent arteriole] EMAPA:30449[juxtaglomerular complex]			
Group Parents				
Synonyms	[renin-producing cell]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

## Modified Component 627 organ(EMAPA:16245), urinary sys metanephros(EMAPA:17373), renal urinary system(EMAPA:17366), cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), part of afferent arteriole <u>forming the juxtaglomerular complex(EMAPA:28269)</u> [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), Alternate Paths organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA: 28269)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA: 28236), afferent arteriole (EMAPA: 28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular complex(EMAPA:30449), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), afferent afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]

10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),

visceral organ(EMAPA:16245), urinary

system(EMAPA: 17366), renal

Modified Component 627				
	vasculature(EMAPA:28457), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]			
	11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]			
	12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]			
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), juxtaglomerular complex(EMAPA:30449), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]			
	14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]			
	15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28266>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30449>			
	3. order=0 for EMAPA:28266 order=2 for EMAPA:30449			

Modified Component 628				
ID	EMAPA:17212			
Name	urorectal septum			
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urorectal septum(EMAPA:17212)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urorectal septum(EMAPA:17212)]			
Rule Status	PASSED Edit Status CHANGED			

Γ

Modified Component 628				
	1. Different Order - Referenced Component has no order entries; This Component has order entry <15 for EMAPA:16367>			
	2. order=15 for EMAPA:16367			

Modified Component 629				
ID	EMAPA:29794	Is Group Term	false	
Name	anterior prostate	gland	•	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19287[prost	ate gland]		
Group Parents				
Synonyms	[coagulating glan	d]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19287>			
	2. order=0	for EMAPA:19287		

Modified Component 630				
ID	EMAPA:28263	Is Group Term	false	
Name	urinary space of	renal corpuscle		
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA: 28257 [ Bowma	n's capsule]		
Group Parents				
Synonyms	[Bowman's space]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), urinary space of renal corpuscle(EMAPA:28263)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), urinary space of renal corpuscle(EMAPA:28263)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), urinary space of renal			

Modified Component 630				
	corpuscle(EMAPA:28263)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), urinary space of renal corpuscle(EMAPA:28263)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), urinary space of renal corpuscle(EMAPA:28263)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), urinary space of renal corpuscle(EMAPA:28263)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28257>			
	2. order=1 for EMAPA:28257			

Modified Component 631				
ID	EMAPA:17210	Is Group Term	false	
Name	urogenital membra	ne		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital membrane(EMAPA:17210)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), urogenital membrane(EMAPA:17210)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:16367>			
	2. order=14 for EMAPA:16367			

Modified Component 632				
ID	EMAPA:29792	Is Group Term	false	
Name	interstitium of bulbourethral gland			
Starts At	TS28 Ends At TS28			
Primary Parents	EMAPA:19286[bulbourethral gland]			
Group Parents				
Synonyms	[1]			

Modified Componen	t 632		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), bulbourethral gland(EMAPA:19286), interstitium of bulbourethral gland(EMAPA:29792)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), bulbourethral gland(EMAPA:19286), interstitium of bulbourethral gland(EMAPA:29792)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19286>		
	2. order=1 for EMAPA:19286		

ID	EMAPA:31224	Is Group Term	false	
Name	developing vas	culature of lower	part of vagina	
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:31229[de EMAPA:18999[lo	veloping vasculatu wer part of vagina	ure of vagina]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 part of vagina	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), developing vasculature of lower part of vagina(EMAPA:31224)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), developing vasculature of vagina(EMAPA:31229), developing vasculature of lower part of vagina(EMAPA:31224)]			
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 developing vas developing vas	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), developing vasculature of vagina(EMAPA:31229), developing vasculature of lower part of vagina(EMAPA:31224)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999), developing vasculature of lower part of vagina(EMAPA:31224)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entri	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31229>		
	2. Different Order - Referenced Component no order entries; This Component has order entries for EMAPA:18999>			

## Modified Component 633

3. order=3 for EMAPA:18999 order=0 for EMAPA:31229

Modified Compor	
ID	EMAPA:30003   Is Group Term   false
Name	smooth muscle layer of renal artery
Starts At	TS21 Ends At TS28
Primary Parents	EMAPA:28373[renal artery]
Group Parents	
Synonyms	[]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal artery(EMAPA:28373), smooth muscle layer of renal artery(EMAPA:30003)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28373>
	2. order=2 for EMAPA:28373

Modified Compon	ent 635	1		
ID	EMAPA:28248	Is Group Term	false	
Name	glomerular mesar	glomerular mesangium		
Starts At	TS25	TS25 Ends At TS28		
Primary Parents	EMAPA: 28518[rena EMAPA: 28239[glor	al interstitium gro merular tuft]	oup]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179 corpuscle(EMAPA: tuft(EMAPA:28239	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]		
Alternate Paths	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA:2853 mesangium(EMAPA:2853 mesangium(EMAPA:2853 mesangium(EMAPA:2854 metanephros(EMAPA:2854 metanephros(EMAPA:2854 corpuscle(EMAPA:2854 metanephros(EMAPA:2854 metanephros(EMAPA:2	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), glomerular mesangium(EMAPA:28248)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal		
	mesangium(EMAPA:  3. [Abstract and organ system(EMAPA:1624] metanephros(EMAPA:1795] GROUP(EMAPA:1795] corpuscle(EMAPA:	tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular		
	mesangium(EMAPA:28248)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), glomerular mesangium(EMAPA:28248)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal			
	mesangium(EMAPA:  6. [Abstract and embryo(EMAPA:160 visceral organ(EMAPA:173 renal cortex(EMAPA:173 renal cortex(EMAPA:173 renal cortex(EMAPA:173 renal cortex(EMAPA:174 renal cortex(EMAPA:175 renal cortex(EMAPA:175 renal cortex(EMAPA:175 renal cortex(EMAPA:175 renal cortex(EMAPA:175 renal rena	tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]  6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]  7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular		
	tuft(EMAPA:28239	tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments		ent Order - Referer s; This Component h		

Modified Component 635			
	for EMAPA:28239>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:28518>		
	3. order=1 for EMAPA:28239 order=4 for EMAPA:28518		

Modified Component 636			
ID	EMAPA:30831	Is Group Term	false
Name	surface epitheliu	m of glans clitor	is
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30829[glans	clitoris]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), surface epithelium of glans clitoris(EMAPA:30831)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), surface epithelium of glans clitoris(EMAPA:30831)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), surface epithelium of glans		
	clitoris(EMAPA:30831)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), surface epithelium of glans clitoris(EMAPA:30831)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30829>		
	2. order=0 for EMAPA:30829		

Modified Component 637			
ID	EMAPA:30833	Is Group Term	false
Name	mesenchymal layer	of glans clitori	S
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30829[glans clitoris]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive		

Modified Component 637				
	system(EMAPA:17959), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), mesenchymal layer of glans clitoris(EMAPA:30833)			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA: organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:3081 glans clitoris(EMAPA:30829), mesenchymal la glans clitoris(EMAPA:30833)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), mesenchymal layer of glans clitoris(EMAPA:30833)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), mesenchymal layer of glans clitoris(EMAPA:30833)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30829>			
	2. order=1	for EMAPA:30829		

Modified Component 638				
ID	EMAPA:30835	Is Group Term	false	
Name	vasculature of c	litoris	,	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30819[clit	oris]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), vasculature of clitoris(EMAPA:30835)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), vasculature of clitoris(EMAPA:30835)]			
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), clitoris(EMAPA:30819), vasculature of clitoris(EMAPA:30835)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), vasculature of clitoris(EMAPA:30835)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differe	nt Order - Refere	nced Component has	

Modified Component 638					
	no order entries; This Component has order entry	<2			
	2. order=2 for EMAPA:30819				

Modified Component 639				
ID	EMAPA:31229	Is Group Term	true	
Name	developing vascul	ature of vagina		
Starts At	TS24	Ends At	TS27	
Primary Parents				
Group Parents	EMAPA:18986[vagin	a]		
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), developing vasculature of vagina(EMAPA:31229)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), developing vasculature of vagina(EMAPA:31229)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:18986>			
	2. order=6 for EMAPA:18986			

Modified Compone	ent 640			
ID	EMAPA:30837	Is Group Term	false	
Name	labia	·	·	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30984[fei EMAPA:17959[fei	male external ger male reproductive	nitalia] e system]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837)]			
Rule Status	PASSED	Edit Status	CHANGED	

Modified Componen	t 640
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <17 for EMAPA:17959>
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:30984>
	3. order=17 for EMAPA:17959 order=4 for EMAPA:30984

Modified Componer	t 641			
ID	EMAPA:30839   Is Group Term   false			
Name	epithelial layer	of labia		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30837[labia	.]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), epithelial layer of labia(EMAPA:30839)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), epithelial layer of labia(EMAPA:30839)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), epithelial layer of labia(EMAPA:30839)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), epithelial layer of labia(EMAPA:30839)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30837>			
	2. order=0	for EMAPA:30837		

Modified Componen	t 642				
ID	EMAPA: 28257				
Name	Bowman's capsule				
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:28236[mature renal corpuscle]				
Group Parents					
Synonyms	[glomerular capsule]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), Bowman's				

Modified Compone	nt 642		
	capsule(EMAPA:282	57)]	
Alternate Paths	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	91), mature renal 8236), Bowman's	l
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2 embryo(EMAPA:16039), organ system(EMAPA:1610 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373 mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2 embryo(EMAPA:16039), organ system(EMAPA:1610 visceral organ(EMAPA:16245), urinary system(EMAPA:17373 renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28236), Bowman's capsule(EMAPA:28236), Bowman's		EMAPA:16103), ry MAPA:17373),
			EMAPA:16103), ry MAPA:17373),
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28236>		
	2. order=1	for EMAPA:28236	

Modified Componen	t 643					
ID	EMAPA: 29786					
Name	epithelial layer	of ejaculatory du	ct			
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:19088[ejacu	latory duct]				
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088), epithelial layer of ejaculatory duct(EMAPA:29786)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory duct(EMAPA:19088), epithelial layer of ejaculatory duct(EMAPA:29786)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19088>					
	2. order=0 for EMAPA:19088					

Modified Compor	ent 644				
ID	EMAPA:28254	Is Group Term	false		
Name	visceral epithe	Lium			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:28239[glor	EMAPA:28239[glomerular tuft]			
Group Parents					
Synonyms	[podocyte layer]	]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA:179 cortex(EMAPA:179 corpuscle(EMAPA tuft(EMAPA:28239	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), visceral epithelium(EMAPA:28254)]			
Alternate Paths	organ system(EMA organ(EMAPA:1624 metanephros(EMAI nephron(EMAPA:28 corpuscle(EMAPA tuft(EMAPA:28239				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), visceral epithelium(EMAPA:28254)]				
	embryo(EMAPA:160 visceral organ(I system(EMAPA:173 mature nephron(I corpuscle(EMAPA tuft(EMAPA:2823)	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), visceral epithelium(EMAPA:28254)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), visceral epithelium(EMAPA:28254)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), visceral epithelium(EMAPA:28254)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments		s; This Component	renced Component has has order entry <3		
	2. order=3	3 for EMAPA:28239	9		

Modified Component 645				
ID	EMAPA:28251	Is Group Term	false	
Name	glomerular basement membrane			
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA:28239[glomerular tuft]			

Modified Componer	nt 645			
Group Parents				
Synonyms				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular basement membrane(EMAPA:28251)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular basement membrane(EMAPA:28251)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular basement membrane(EMAPA:28251)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular basement membrane(EMAPA:28251)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular basement membrane(EMAPA:282351)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular basement membrane(EMAPA:28251)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28239>			
	2. order=2 for EMAPA:28239			

Modified Componen	t 646				
ID	EMAPA: 29769				
Name	os penis				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:19294[crus penis]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive				

Modified Componer	ıt 646				
			8), penis(EN), os penis(		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), os penis(EMAPA:29769)]			l cive A:18682), crus	
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), os penis(EMAPA:29769)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), os penis(EMAPA:29769)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19294>				
	2.	order=0	for EMAPA:19	9294	

ID -	EMAPA: 29767	Is Group Term	false	
			Tarse	
Name		ductus deferens		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18681[d	luctus deferens]		
Group Parents				
Synonyms	[]			
Primary Path	organ system( organ(EMAPA:1 system(EMAPA: system(EMAPA:	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), adventitia of ductus deferens(EMAPA:29767)]		
Alternate Paths	organ system( organ(EMAPA:1 system(EMAPA: system(EMAPA: structure(EMAPA: deferens(EMAP	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), adventitia of ductus deferens(EMAPA:29767)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), adventitia of ductus deferens(EMAPA:29767)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), adventitia of ductus deferens(EMAPA:29767)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Diff no order entr for EMAPA:186	ies; This Componer	erenced Component has	

## Modified Component 647 2. order=3 for EMAPA:18681

Modified Component 648				
ID	EMAPA:29771	Is Group Term	false	
Name	epithelium of sem	epithelium of seminal vesicle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19180[semin	al vesicle]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), epithelium of seminal vesicle(EMAPA:29771)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), epithelium of seminal vesicle(EMAPA:29771)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19180>			
	2. order=0	for EMAPA:19180		

Modified Component 649			
ID	EMAPA: 29775	Is Group Term	false
Name	adventitia of sem	inal vesicle	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:19180[semin	al vesicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), adventitia of seminal vesicle(EMAPA:29775)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), adventitia of seminal vesicle(EMAPA:29775)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:19180>		
	2. order=4	for EMAPA:19180	

Modified Component 650				
ID	EMAPA:29773	Is Group Term	false	
Name	muscle layer of seminal vesicle			
Starts At	TS28 Ends At TS28			

Modified Component 650			
Primary Parents	EMAPA:19180[semin	nal vesicle]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), muscle layer of seminal vesicle(EMAPA:29773)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180), muscle layer of seminal vesicle(EMAPA:29773)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19180>		
	2. order=1	for EMAPA:19180	

ID	EMAPA:31204	Is Group Term	false	
Name	developing vas	developing vasculature of caput epididymis		
Starts At	TS24	Ends At	TS27	
Primary Parents		EMAPA:19291[caput epididymis] EMAPA:31235[developing vasculature system of epididymis]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(Forgan(EMAPA:16 system(EMAPA:16 system(EMAPA:16 epididymis(EMAPA:16	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291), developing vasculature of caput epididymis(EMAPA:31204)]		
Alternate Paths	organ system(I organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 developing vas epididymis(EMA	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature system of epididymis(EMAPA:31235), developing vasculature of caput epididymis(EMAPA:31204)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 developing vas epididymis(EMA	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature system of epididymis(EMAPA:31235), developing vasculature of caput epididymis(EMAPA:31204)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 epididymis(EMA	L6039), organ syst n(EMAPA:16245), re L7381), male repro L7968), epididymis	productive	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entri			
	2. Diffe	erent Order - Refe	renced Component has	

Modified Component 651					
	no order entries; This Component has order entry <3 for EMAPA:19291>				
	3. order=3 for EMAPA:19291 order=0 for EMAPA:31235				

Modified Component 652			
ID	EMAPA: 31209	Is Group Term	false
Name	developing vascul	ature of uterine	horn
Starts At	TS24	Ends At	TS27
Primary Parents	EMAPA:18985[uteri	ne horn]	•
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985), developing vasculature of uterine horn(EMAPA:31209)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985), developing vasculature of uterine horn(EMAPA:31209)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18985>		
	2. order=2	for EMAPA:18985	

ID	EMAPA:29755	Is Group Term	false	
Name	epithelium of co	rpus epididymis		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA: 30445[epith EMAPA: 19293[corpu	nelium of epididym us epididymis]	is]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAI organ(EMAPA:1624! system(EMAPA:1738 system(EMAPA:1798 corpus epididymis	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), corpus epididymis(EMAPA:19293), epithelium of corpus epididymis(EMAPA:29755)]		
Alternate Paths	organ system(EMAI organ(EMAPA:1624! system(EMAPA:1738 system(EMAPA:1798 epithelium of epithelium of corpus epidid	corpus epididymis(EMAPA:29755)]  1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), epithelium of epididymis(EMAPA:30445), epithelium of corpus epididymis(EMAPA:29755)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), epithelium of epididymis(EMAPA:30445), epithelium		

Modified Component 653				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), corpus epididymis(EMAPA:19293), epithelium of corpus epididymis(EMAPA:29755)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19293>			
	2. Different Order - Referenced Componen no order entries; This Component has order ent for EMAPA:30445>			
	3. order=1 : order=0 for EMAPA	for EMAPA:30445 :19293		

Modified Component 654				
ID	EMAPA: 29757	Is Group Term	false	
Name	muscle layer of c	muscle layer of corpus of epididymis		
Starts At	TS24	Ends At	TS28	
Primary Parents		EMAPA:19293[corpus epididymis] EMAPA:30447[muscle layer of epididymis]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 corpus epididymis	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), corpus epididymis(EMAPA:19293), muscle layer of corpus of epididymis(EMAPA:29757)]		
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 muscle layer of e layer of corpus o 2. [Abstract anat embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1736 muscle layer of e	al), male reproduct (8), epididymis(EMAPA:3) f epididymis(EMAPA:0), mount (5), organ system(EAPA:16245), reproduct (8), epididymis(EMAPA:3) epididymis(EMAPA:3)	1 tive APA:19290), 0447), muscle A:29757)] se(EMAPA:25765), EMAPA:16103), ductive tive APA:19290), 0447), muscle	
	3. [Abstract anat embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 corpus epididymis	omy(EMAPA:0), mou (9), organ system( (APA:16245), repro (1), male reproduc (8), epididymis(EM (EMAPA:19293), mu mis(EMAPA:29757)]	se(EMAPA:25765), EMAPA:16103), ductive tive APA:19290),	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries; for EMAPA:19293>	This Component h	ced Component has as order entry <1	
		This Component h	ced Component has as order entry <1	
	3. order=1 order=1 for EMAPA	for EMAPA:30447 :19293		

odified Component 655		
-----------------------	--	--

Modified Component 655			
ID	EMAPA: 29759	Is Group Term	false
Name	adventitia of corpus of epididymis		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:19293[corpus epididymis] EMAPA:30443[adventitia of epididymis]		is]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 corpus epididymis	(EMAPA:0), mouse(A:16103), viscera), reproductive 1), male reproduc 8), epididymis(EM(EMAPA:19293), admis(EMAPA:29759)]	l tive APA:19290),
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443), adventitia of corpus of epididymis(EMAPA:29759)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443), adventitia of corpus of epididymis(EMAPA:29759)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 corpus epididymis	omy(EMAPA:0), mou 9), organ system( APA:16245), repro 1), male reproduc 8), epididymis(EM (EMAPA:19293), ad mis(EMAPA:29759)]	EMAPA:16103), ductive tive APA:19290),
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	
		t Order - Referen This Component h	
	3. order=1 order=2 for EMAPA	for EMAPA:30443 :19293	

Modified Componen	t 656		
ID	EMAPA:29761	Is Group Term	false
Name	epithelium of cap	ut of epididymis	
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:30445[epith EMAPA:19291[caput		is]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291), epithelium of caput of epididymis(EMAPA:29761)]		
Alternate Paths	organ(EMAPA:16245	A:16103), viscera	1

Modified Componer	t 656		
	system(EMAPA:17968), epididymis(EMAPA:19290), epithelium of epididymis(EMAPA:30445), epithelium of caput of epididymis(EMAPA:29761)]		
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17 epithelium of e	atomy(EMAPA:0), mou 039), organ system( EMAPA:16245), repro 381), male reproduc 968), epididymis(EM pididymis(EMAPA:304 didymis(EMAPA:29761	(EMAPA:16103), oductive ctive MAPA:19290), 445), epithelium
	embryo(EMAPA:16 visceral organ( system(EMAPA:17 system(EMAPA:17	atomy(EMAPA:0), mou 039), organ system( EMAPA:16245), repro 381), male reproduc 968), epididymis(EN A:19291), epitheliu A:29761)]	(EMAPA:16103), oductive ctive MAPA:19290), caput
Rule Status	PASSED	Edit Status	CHANGED
Comments		ent Order - Referer s; This Component h >	
		ent Order - Referer s; This Component h >	
	3. order= order=0 for EMA	0 for EMAPA:30445 PA:19291	

Modified Compone	nt 657		
ID	EMAPA:29763	Is Group Term	false
Name	muscle layer of o	caput of epididymi	S
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:19291[caput layer of epididym	epididymis] EMAP mis]	A:30447[muscle
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291), muscle layer of caput of epididymis(EMAPA:29763)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30447), muscle layer of caput of epididymis(EMAPA:29763)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30447), muscle layer of caput of epididymis(EMAPA:29763)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291), muscle layer of caput of epididymis(EMAPA:29763)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differer no order entries; for EMAPA:30447>	nt Order - Referen This Component h	ced Component has as order entry <0

Modified Component	t 657
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19291>
	3. order=0 for EMAPA:30447 order=1 for EMAPA:19291

Modified Component 658			
ID	EMAPA: 29765	Is Group Term	false
Name	adventitia of cap	out of epididymis	
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:30443[adven EMAPA:19291[caput	titia of epididym epididymis]	is]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291), adventitia of caput of epididymis(EMAPA:29765)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443), adventitia of caput of epididymis(EMAPA:29765)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443), adventitia of caput of epididymis(EMAPA:29765)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291), adventitia of caput of epididymis(EMAPA:29765)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30443>		
		t Order - Referen This Component h	
	3. order=0 order=2 for EMAPA	for EMAPA:30443 :19291	

Modified Component 659			
ID	EMAPA:29749	Is Group Term	false
Name	rest of efferent	duct	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:18993[efferent duct of seminal vesicle]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral		

Modified Componen	t 659		
	organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), efferent duct of seminal vesicle(EMAPA:18993), rest of efferent duct(EMAPA:29749)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), efferent duct of seminal vesicle(EMAPA:18993), rest of efferent duct(EMAPA:29749)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18993>		
	2. order=1 for EMAPA:18993		

Modified Component 660			
ID	EMAPA:29747	Is Group Term	false
Name	epithelial layer	of efferent duct	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:18993[effer	ent duct of semina	al vesicle]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), efferent duct of seminal vesicle(EMAPA:18993), epithelial layer of efferent duct(EMAPA:29747)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), efferent duct of seminal vesicle(EMAPA:18993), epithelial layer of efferent duct(EMAPA:29747)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18993>		
	2. order=0	for EMAPA:18993	

Modified Componen	t 661		
ID	EMAPA:29745	Is Group Term	false
Name	septum of scrotum	ı	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:19296[scrot	um]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), septum of scrotum(EMAPA:29745)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive		

Modified Componen	t 661			
	<pre>system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), septum of scrotum(EMAPA:29745)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), septum of scrotum(EMAPA:29745)]</pre>			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 19), organ system( MAPA:16245), repro 31), male reproduc 58), scrotum(EMAPA 29745)]	EMAPA:16103), ductive tive	
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19296>			
	2. order=2	for EMAPA:19296		

ID	EMAPA:29753	Is Group Term	false	
Name	adventitia of	cauda of epididy	mis	
Starts At	TS24	Ends At	TS28	
Primary Parents		adventitia of epid cauda epididymis]	idymis]	
Group Parents				
Synonyms	[]			
Primary Path	organ system( organ(EMAPA:1 system(EMAPA: system(EMAPA: epididymis(EM	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), adventitia of cauda of epididymis(EMAPA:29753)]		
Alternate Paths	organ system( organ(EMAPA:1 system(EMAPA: system(EMAPA: adventitia of	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443), adventitia of cauda of epididymis(EMAPA:29753)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), adventitia of epididymis(EMAPA:30443), adventitia of cauda of epididymis(EMAPA:29753)]		
	embryo(EMAPA: visceral orga system(EMAPA: system(EMAPA: adventitia of			
	embryo(EMAPA: visceral orga system(EMAPA: system(EMAPA: epididymis(EM	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), adventitia of cauda of epididymis(EMAPA:29753)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entr	1. Different Order - Referenced Component no order entries; This Component has order entry for EMAPA:19292>		
	2. Different Order - Referenced Component no order entries; This Component has order entry for EMAPA:30443>			

## Modified Component 662

3. order=2 for EMAPA:30443 order=2 for EMAPA:19292

Modified Component 663					
ID	EMAPA:29751	Is Group Term	false		
Name	muscle layer of cauda of epididymis				
Starts At	TS24	Ends At	TS28		
Primary Parents	EMAPA:30447[muscl EMAPA:19292[cauda	e layer of epidid epididymis]	ymis]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), muscle layer of cauda of epididymis(EMAPA:29751)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30447), muscle layer of cauda of epididymis(EMAPA:29751)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30447), muscle layer of cauda of epididymis(EMAPA:29751)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), muscle layer of cauda of epididymis(EMAPA:29751)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:19292>  2. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:30447>  3. order=2 for EMAPA:30447 order=1 for EMAPA:19292				

Modified Component 664					
ID	EMAPA: 29737   Is Group Term false				
Name	stratified layer				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29733[epidermal layer of scrotum]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), stratified				

Modified Componen	t 664				
	layer(EMAPA:29737)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), stratif layer(EMAPA:29737)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), stratified layer(EMAPA:29737)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), stratified layer(EMAPA:29737)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29733>				
	2. order=1 for EMAPA:29733				

Modified Component 665					
ID	EMAPA: 29739	Is Group Term	false		
Name	dermal layer of s	crotum			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:19296[scrot	um]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19296>				

Modified Component	t 665			
	2.	order=1	for EMAPA:19296	

Modified Component 666				
ID	EMAPA: 29733	Is Group Term	false	
Name	epidermal layer c	f scrotum		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19296[scrot	um]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	(EMAPA:0), mouse(A:16103), viscera), reproductive 1), male reproduc 8), scrotum(EMAPAf scrotum(EMAPA:2	l tive :19296),	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19296>			
	2. order=0	for EMAPA:19296		

Modified Component 667					
ID	EMAPA:29735	Is Group Term	false		
Name	basal layer				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29733[epide	rmal layer of scr	otum]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), basal layer(EMAPA:29735)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), basal				

Modified Component 667					
	layer(EMAPA:29735)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), basal layer(EMAPA:29735)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), basal layer(EMAPA:29735)]				
Rule Status	PASSED		Edit Status	CHAI	NGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29733>				
	2.	order=0	for EMAPA:29	733	

Modified Component 668						
ID	EMAPA: 29741	Is Group Term	false			
Name	hair follicle	·	`			
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:29739[de	rmal layer of scr	otum]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 layer of scrot	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), hair follicle(EMAPA:29741)]				
Alternate Paths	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 genitalia(EMAP dermal layer o	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), hair follicle(EMAPA:29741)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), hair follicle(EMAPA:29741)]				
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 genitalia(EMAPA dermal layer o follicle(EMAPA					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), hair follicle(EMAPA:29741)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	no order entri	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29739>				
	2. order	2. order=0 for EMAPA:29739				

Modified Compon	ent 669					
ID	EMAPA: 29743	Is Group Term	false			
Name	sweat gland					
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:29739[de	rmal layer of scr	otum]			
Group Parents						
Synonyms	[]					
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), sweat gland(EMAPA:29743)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), sweat gland(EMAPA:29743)]					
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), sweat gland(EMAPA:29743)]					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), dermal layer of scrotum(EMAPA:29739), sweat gland(EMAPA:29743)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29739>					
	2. order	2. order=1 for EMAPA:29739				

Γ

Modified Component 670					
ID	EMAPA:28245	Is Group Term	false		
Name	glomerular capill	ary system			
Starts At	TS25	Ends At	TS28		
Primary Parents		rular tuft] EMAPA APA:31443[renal ca vasculature]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular capillary system(EMAPA:28245)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457),				

```
glomerular capillary system(EMAPA:28245)]
```

- 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), glomerular capillary system(EMAPA:28245)]
- 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), glomerular capillary system(EMAPA:28245)]
- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal capillaries(EMAPA:31443), glomerular capillary system(EMAPA:28245)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular capillary system(EMAPA:28245)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular capillary system(EMAPA:28245)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), glomerular capillary system(EMAPA:28245)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), glomerular capillary system(EMAPA:28245)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), glomerular capillary system(EMAPA:28245)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal capillaries(EMAPA:31443), glomerular capillary system(EMAPA:28245)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular capillary system(EMAPA:28245)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular capillary

Modified Component 670					
	system(EMAPA:28245)]				
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular capillary system(EMAPA:28245)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28239>  2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28457>  3. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31443>				
	4. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:31469>				

Modified Component 671				
ID	EMAPA:28239	Is Group Term	false	
Name	glomerular tuft			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28236[matur	re renal corpuscle	]	
Group Parents				
Synonyms	[glomerulus]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal			

Modified Component 671				
	corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28236>			
	2. order=0	for EMAPA:28236		

Modified Component 672				
ID	EMAPA:28230	Is Group Term	false	
Name	afferent arteriol	afferent arteriole		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA: 27991[juxta	aglomerular arteri	ole]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), afferent arteriole(EMAPA:28230)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system (EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), afferent arteriole(EMAPA:8230)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:28230)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), afferent arteriole(EMAPA:27991), afferent arteriole(EMAPA:28300)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27991), afferent arteriole(EMAPA:28230)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:25765), organ system(EMAPA:17373), renal cortex(EMAPA:28230)]  5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27991), afferent arteriole(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27991), afferent arteriole(EMAPA:28230)]  6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:28485), maturing renal corpuscle(EMAPA:27991), afferent arteriole(EMAPA:28230)]			

```
Modified Component 672
                           organ system(EMAPA:16103), visceral
                          organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron
                          GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), afferent
                          arteriole(EMAPA: 28230)
                           7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system (EMAPA:23766), renal
                          vasculature(EMAPA:28457), juxtag
arteriole(EMAPA:27991), afferent
arteriole(EMAPA:28230)]
                                                                   juxtaglomerular
                           8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                          system(EMAPA: 17366), renal
                          vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), afferent
                          arteriole(EMAPA:28230)]
                           9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                          system(EMAPA:17366), metanephros(EMAPA:17373)
                          stage IV immature nephron(EMAPA: 28445), maturing
                          renal corpuscle(EMAPA:27943), juxtaglomerular
                          arteriole(EMAPA: 27991), afferent
                          arteriole(EMAPA:28230)]
                           10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                          system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal
                          corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), afferent
                          arteriole(EMAPA:28230)]
                           11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                          system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), late
                           tubule(EMAPA: 28527), maturing renal
                           corpuscle(EMAPA:27943), juxtaglomerular
                          arteriole(EMAPA:27991), afferent arteriole(EMAPA:28230)]
                           12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
                          embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                          system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing
                          nephron(EMAPA:28485), maturing renal
                           corpuscle(EMAPA:27943), juxtaglomerular
                          arteriole(EMAPA:27991), afferent arteriole(EMAPA:28230)]
                          13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
                          system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal
                          corpuscle(EMAPA: 27943), juxtaglomerular arteriole(EMAPA: 27991), afferent arteriole(EMAPA: 28230)]
Rule Status
                          PASSED
                                                     Edit Status
                                                                                CHANGED

    Different Order - Referenced Component has
no order entries; This Component has order entry <0</li>

Comments
                          for EMAPA: 27991>
                                        order=0 for EMAPA:27991
```

Modified Component 673			
ID	EMAPA:28233	Is Group Term	false

Modified Compor	nent 673		
Name	efferent arteriole		
Starts At	TS25 Ends At TS27		
Primary Parents	EMAPA:27991[juxtaglomerular arteriole]		
Group Parents			
Synonyms	[1]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		

Modified Component 673				
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]  10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]			
	11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]			
	12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]			
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27991>			
	2. order=1 for EMAPA:27991			

Modified Component 674			
ID	EMAPA:28236	Is Group Term	false
Name	mature renal corp	uscle	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:17954[early nephron] EMAPA:17	nephron GROUP] EI 952[renal cortex]	MAPA:28491[mature
Group Parents			
Synonyms	[Malpighian corpuscle]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236)]		

Modified Componer	Modified Component 674				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236)]				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), mature renal corpuscle(EMAPA:28236)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17954>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28491>				
	3. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17952>				
	4. order=2 for EMAPA:28491 order=10 for EMAPA:17954 order=5 for EMAPA:17952				

Modified Component 675				
ID	EMAPA:28221	Is Group Term	false	
Name	arcuate vein			
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA:31464[large	cortical venous a blood vessels] EI APA:28457[renal va	MAPA:31450[renal	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical venous system(EMAPA:28152), arcuate vein(EMAPA:28221)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), arcuate vein(EMAPA:28221)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), arcuate vein(EMAPA:28221)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457),			

Modified Component 675				
	arcuate vein(EMAPA:28221)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), arcuate vein(EMAPA:28221)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), arcuate vein(EMAPA:28221)]			
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), arcuate vein(EMAPA:28221)]			
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), arcuate vein(EMAPA:28221)]			
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), arcuate vein(EMAPA:28221)]			
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical venous system(EMAPA:28152), arcuate vein(EMAPA:28221)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28152>  2. Different Order - Referenced Component has no order entries; This Component has order entry <14 for EMAPA:28457>			
	3. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:31450>			
	4. order=1 for EMAPA:28152 order=14 for EMAPA:28457 order=2 for EMAPA:31450			

Modified Component 676				
ID	EMAPA:28218	Is Group Term	false	
Name	interlobular vein			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28457[renal vasculature] EMAPA:31450[renal venous system] EMAPA:28152[renal cortical venous system] EMAPA:31464[large blood vessels]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical venous system(EMAPA:28152), interlobular vein(EMAPA:28218)]			

## Modified Component 676 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), Alternate Paths organ system(EMAPA:16103), large blood vessels(EMAPA:31464), interlobular vein(EMAPA:28218)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), interlobular vein(EMAPA: 28218)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), interlobular vein(EMAPA:28218)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), interlobular vein(EMAPA:28218)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), interlobular vein(EMAPA: 28218)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), interlobular vein(EMAPA:28218)] 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), interlobular vein(EMAPA: 28218)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA: 17366), renal vasculature(EMAPA:28457), interlobular vein(EMAPA:28218)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical venous system(EMAPA:28152), interlobular vein(EMAPA: 28218)] PASSED CHANGED Rule Status Edit Status Different Order - Referenced Component has no order entries; This Component has order entry <0</li> Comments for EMAPA: 28152> 2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 31450> 3. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:28457> 4. order=0 for EMAPA:28152 order=13 for EMAPA:28457 order=1 for EMAPA:31450

Modified Component 677					
ID	EMAPA: 28215 Is Group Term false				
Name	arcuate artery				

Modified Compon	ment 677
Starts At	TS25 Ends At TS28
Primary Parents	EMAPA:31464[large blood vessels] EMAPA:28457[renal vasculature] EMAPA:28147[renal cortical arterial system] EMAPA:31436[renal arterial system]
Group Parents	
Synonyms	[]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical arterial system(EMAPA:28147), arcuate artery(EMAPA:28215)]
Alternate Paths	<ol> <li>[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), arcuate artery(EMAPA:28215)]</li> <li>[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), arcuate</li> </ol>
	artery(EMAPA:28215)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), arcuate artery(EMAPA:28215)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), arcuate artery(EMAPA:28215)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), arcuate artery(EMAPA:28215)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), arcuate artery(EMAPA:28215)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), arcuate artery(EMAPA:28215)]
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), arcuate artery(EMAPA:28215)]
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical arterial system(EMAPA:28147), arcuate artery(EMAPA:28215)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28147>
	2. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:28457>
	3. Different Order - Referenced Component has no order entries; This Component has order entry <2

Modified Component 677			
	for EMAPA:31436>		
	4. order=1 for EMAPA:28147 order=11 for EMAPA:28457 order=2 for EMAPA:31436		

Modified Component 678				
ID	EMAPA:28212	Is Group Term	false	
Name	interlobular arte	ery		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA: 28147[rena]	EMAPA:31436[renal arterial system] EMAPA:28147[renal cortical arterial system] EMAPA:31464[large blood vessels] EMAPA:28457[renal vasculature]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795	52), renal cortica A:28142), renal co A7), interlobular	al n(EMAPA:17366), al	
Alternate Paths	organ system(EMAI	tomy(EMAPA:0), mou PA:16103), large k 464), interlobular 12)]	olood	
	organ system(EMAF organ(EMAPA:16245	comy(EMAPA:0), mou PA:16103), viscera 5), urinary system vstem(EMAPA:31436)	al n(EMAPA:17366),	
	organ system(EMAI organ(EMAPA:16245 developing vascul		al n(EMAPA:17366),	
	organ system(EMAI organ(EMAPA:16245	comy(EMAPA:0), mou PA:16103), viscera 5), urinary system e(EMAPA:28457), ir 12)]	al n(EMAPA:17366),	
	embryo(EMAPA:1603	comy(EMAPA:0), mou 39), organ system( els(EMAPA:31464), 12)]	(EMAPA:16103),	
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 system(EMAPA:3143	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), interlobular artery(EMAPA:28212)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 urinary system GF	tomy(EMAPA:0), mou 39), organ system( MAPA:16245), urina 56), developing va ROUP(EMAPA:31563), A:28457), interlok 12)]	(EMAPA:16103), ary asculature of renal	
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), interlobular artery(EMAPA:28212)]			
		comy(EMAPA:0), mou 39), organ system(		

Modified Component 678			
	visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical arterial system(EMAPA:28147), interlobular artery(EMAPA:28212)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28147>  2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31436>		
	3. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:28457>		
	4. order=0 for EMAPA:28147 order=10 for EMAPA:28457 order=1 for EMAPA:31436		

Modified Component 679			
ID	EMAPA:30891	Is Group Term	false
Name	urethra		
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:17379[uroge	nital sinus]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17379>		
	2. order=5	for EMAPA:17379	

Modified Component 680			
ID	EMAPA:30895	Is Group Term	false
Name	caudal urethra		
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:30891[ureth	ra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), caudal urethra(EMAPA:30895)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), caudal urethra(EMAPA:30895)]		

Modified Component 680				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30891>			
	2. order=1	for EMAPA:30891		

Modified Component 681			
ID	EMAPA:30893	Is Group Term	false
Name	pelvic urethra		
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:30891[ureth	ra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), pelvic urethra(EMAPA:30893)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30891>		
	2. order=0	for EMAPA:30891	

Modified Component 682			
ID	EMAPA:30899	Is Group Term	false
Name	urethral fold		
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:30891[ureth	ra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), urethral fold(EMAPA:30899)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), urethral fold(EMAPA:30899)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:30891>		
	2. order=3	for EMAPA:30891	

Modified Component 683				
ID	EMAPA:30897			
Name	urethral plate			

Modified Component 683				
Starts At	TS21 Ends At TS21			
Primary Parents	EMAPA:30891[ureth	ra]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), urethral plate(EMAPA:30897)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), urethra(EMAPA:30891), urethral plate(EMAPA:30897)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30891>			
	2. order=2 for EMAPA:30891			

Modified Component 684			
ID	EMAPA:29731	Is Group Term	false
Name	testicular branch	of genital nerve	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:17972[testi	s]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), testicular branch of genital nerve(EMAPA:29731)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), testicular branch of genital nerve(EMAPA:29731)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:17972>		
	2. order=12	for EMAPA:17972	

EMAPA:30882   Is Group Term	Modified Component 685				
Starts At TS20 Ends At TS20  Primary Parents EMAPA:30879[rest of urogenital sinus]  Group Parents  Synonyms []  Primary Path [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), epithelial layer of rest of	ID	EMAPA:30882	Is Group Term	false	
Primary Parents	Name	epithelial layer	of rest of urogen	ital sinus	
Group Parents  Synonyms  []  Primary Path  [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), epithelial layer of rest of	Starts At	TS20	Ends At	TS20	
Synonyms  []  Primary Path  [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), epithelial layer of rest of	Primary Parents	EMAPA:30879[rest	of urogenital sin	us]	
Primary Path [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), epithelial layer of rest of	Group Parents				
organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:30879), rest of urogenital sinus(EMAPA:30879), epithelial layer of rest of	Synonyms	[]			
	Primary Path	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), epithelial layer of rest of			

Modified Componen	Modified Component 685				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), epithelial layer of rest of urogenital sinus(EMAPA:30882)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30879>				
	2. order=0	for EMAPA:30879			

Г

Modified Compon	ent 686			
ID	EMAPA:31199	Is Group Term	false	
Name	developing vas	culature of corp	us epididymis	
Starts At	TS24	Ends At	TS27	
Primary Parents		rpus epididymis] veloping vascula	ture system of	
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 corpus epididy	omy(EMAPA:0), mon MAPA:16103), vise 245), reproductive 7381), male reproductive 7968), epididymic mis(EMAPA:19293) corpus epididym	ve oductive s(EMAPA:19290), , developing	
Alternate Paths	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 developing vas epididymis(EMA	MAPA:16103), visc 245), reproducti 7381), male repro 7968), epididymi culature system	ve oductive s(EMAPA:19290), of oping vasculature of	
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 developing vas epididymis(EMA	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature system of epididymis(EMAPA:31235), developing vasculature of corpus epididymis(EMAPA:31199)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 system(EMAPA:1 corpus epididy	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), corpus epididymis(EMAPA:19293), developing vasculature of corpus epididymis(EMAPA:31199)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entri for EMAPA:3123	es; This Componer 5> erent Order - Refe	erenced Component has nt has order entry <1 erenced Component has nt has order entry <3	
	for EMAPA:19293>  3. order=3 for EMAPA:19293 order=1 for EMAPA:31235			

Modified Component 687				
ID	EMAPA:30885	Is Group Term	false	

Modified Component 687			
Name	mesenchymal layer of rest of urogenital sinus		
Starts At	TS20 Ends At TS20		
Primary Parents	EMAPA:30879[rest of urogenital sinus]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), mesenchymal layer of rest of urogenital sinus(EMAPA:30885)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879), mesenchymal layer of rest of urogenital sinus(EMAPA:30885)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30879>		
	2. order=1 for EMAPA:30879		

Modified Component 688			
ID	EMAPA:30888	Is Group Term	false
Name	urethral fold		
Starts At	TS20	Ends At	TS20
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethral fold(EMAPA:30888)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethral fold(EMAPA:30888)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <20 for EMAPA:17366>		
	2. order=20 for EMAPA:17366		

Modified Component 689			
ID	EMAPA:31194	Is Group Term	false
Name	developing vascul	ature of cauda ep	ididymis
Starts At	TS24	Ends At	TS27
Primary Parents	EMAPA:31235[develepididymis] EMAPA	oping vasculature :19292[cauda epid	system of idymis]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), developing vasculature of		

Modified Component 689					
	cauda epididymis(	EMAPA:31194)]			
Alternate Paths	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 developing vascul epididymis(EMAPA:	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature system of epididymis(EMAPA:31235), developing vasculature of cauda epididymis(EMAPA:31194)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 developing vascul	31235), developing	EMAPA:16103), ductive tive APA:19290),		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796	comy(EMAPA:0), mous 39), organ system(1 MAPA:16245), reproduct 31), male reproduct 38), epididymis(EMA 19292), developing EMAPA:31194)]	EMAPA:16103), ductive tive APA:19290), cauda		
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:31235>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19292>				
	3. order=3 order=2 for EMAPA	for EMAPA:19292 3:31235			

Modified Component 690			
ID	EMAPA:16577	Is Group Term	false
Name	nephric duct		
Starts At	TS14	Ends At	TS16
Primary Parents	EMAPA:16367[genit	ourinary system]	
Group Parents			
Synonyms	[Wolffian duct]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct(EMAPA:16577)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct(EMAPA:16577)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:16367>		
	2. order=2	for EMAPA:16367	

Modified Component 691			
ID	EMAPA:31188	Is Group Term	false
Name	developing vasculature of ductus deferens		
Starts At	TS23	Ends At	TS27
Primary Parents	rimary Parents EMAPA:18681[ductus deferens]		
Group Parents			

Modified Component 691			
Synonyms			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), developing vasculature of ductus deferens(EMAPA:31188)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), developing vasculature of ductus deferens(EMAPA:31188)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), developing vasculature of ductus deferens(EMAPA:31188)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), developing vasculature of ductus deferens(EMAPA:31188)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:18681>		
	2. order=4 for EMAPA:18681		

Modified Component 692			
ID	EMAPA:16578	Is Group Term	false
Name	primordial germ c	ells	
Starts At	TS14	Ends At	TS15
Primary Parents	EMAPA:16367[genit	ourinary system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), primordial germ cells(EMAPA:16578)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), primordial germ cells(EMAPA:16578)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:16367>		
	2. order=6	for EMAPA:16367	

Modified Component 693				
ID	EMAPA:19180	Is Group Term	false	
Name	seminal vesicle			

Modified Component 693				
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:17968[male	reproductive syste	em]	
Group Parents				
Synonyms	[vesicular semina	lis]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), seminal vesicle(EMAPA:19180)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17968>			
	2. order=10	for EMAPA:17968		

Modified Component 694				
ID	EMAPA:16579	Is Group Term	false	
Name	pronephros			
Starts At	TS14	Ends At	TS14	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), pronephros(EMAPA:16579)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), pronephros(EMAPA:16579)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:16367>			
	2. order=3 for EMAPA:16367			

Modified Component 695				
ID	EMAPA:31182	Is Group Term	false	
Name	developing vascul	ature of epididym	is	
Starts At	TS23	Ends At	TS27	
Primary Parents	EMAPA:19290[epidi	dymis]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature of epididymis(EMAPA:31182)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive			

Modified Component 695			
	system(EMAPA:17968), epididymis(EMAPA:19290), developing vasculature of epididymis(EMAPA:31182)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:19290>		
	2. order=5	for EMAPA:19290	

Modified Component 696				
ID	EMAPA:16576	Is Group Term	false	
Name	associated mesenc	hyme		
Starts At	TS14	Ends At	TS18	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), associated mesenchyme(EMAPA:16576)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), associated mesenchyme(EMAPA:16576)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:16367>			
	2. order=4 for EMAPA:16367			

Modified Component 697				
ID	EMAPA:19169	Is Group Term	false	
Name	crus of clitoris			
Starts At	TS25 Ends At TS27			
Primary Parents	EMAPA:18680[genit	al tubercle of fer	male]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169)]			
		omy(EMAPA:0), mous 9), organ system(1		

Modified Component 697					
	visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169)]				
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169)				
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:18680>				
	2. orde	r=7 for EMAPA:186	80		

Modified Component 698				
ID	EMAPA:30850	Is Group Term	false	
Name	ureteral vasculat	ure		
Starts At	TS20	Ends At	TS28	
Primary Parents	EMAPA:31563[devel system GROUP] EMA	oping vasculature PA:17950[ureter]	of urinary	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral vasculature(EMAPA:30850)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), ureteral vasculature(EMAPA:30850)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), ureteral vasculature(EMAPA:30850)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral vasculature(EMAPA:30850)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17950>			
	2. order=6 for EMAPA:17950			

Modified Component 699				
ID	EMAPA:30841	Is Group Term	false	
Name	mesenchymal layer	of labia		

Modified Component 699				
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30837[labia	.]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), mesenchymal layer of labia(EMAPA:30841)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), mesenchymal layer of labia(EMAPA:30841)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), mesenchymal layer of labia(EMAPA:30841)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), mesenchymal layer of labia(EMAPA:30841)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30837>			
	2. order=2 for EMAPA:30837			

Modified Component 700				
ID	EMAPA:30843	Is Group Term	false	
Name	gland of labia			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30837[labia	.]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), gland of labia(EMAPA:30843)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), gland of labia(EMAPA:30843)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), gland of labia(EMAPA:30843)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 700				
	system(EMAPA:1795	1), female reprodu 9), female externa 0984), labia(EMAPA 843)]	al	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30837>			
	2. order=1	for EMAPA:30837		

1161 1 2					
Modified Componer	nt /01				
ID	EMAPA:19179	Is Group Term	false		
Name	tunica vaginalis	testis			
Starts At	TS24	Ends At	TS28		
Primary Parents	EMAPA:17972[testi	s]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), tunica vaginalis testis(EMAPA:19179)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), tunica vaginalis testis(EMAPA:19179)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:17972>				
	2. order=3	for EMAPA:17972			

Modified Component 702				
ID	EMAPA:30845	Is Group Term	false	
Name	vasculature of la	bia		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30837[labia	]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), vasculature of labia(EMAPA:30845)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), vasculature of labia(EMAPA:30845)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837), vasculature of labia(EMAPA:30845)]			

Modified Component 702				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), vasculature of labia(EMAPA:30845)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:30837>			
	2. order=3	for EMAPA:30837		

Modified Component 703				
ID	EMAPA:19177	Is Group Term	false	
Name	Sertoli cell			
Starts At	TS23	Ends At	TS27	
Primary Parents	EMAPA:18685[semin	iferous cord]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685), Sertoli cell(EMAPA:19177)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), seminiferous cord(EMAPA:18685), Sertoli cell(EMAPA:19177)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18685>			
	2. order=0	for EMAPA:18685		

Modified Component 704				
ID	EMAPA:19176	Is Group Term	false	
Name	rest of interstit	ium of the testis		
Starts At	TS20	Ends At	TS28	
Primary Parents	EMAPA:18687[inter	stitium of the te	stis]	
Group Parents				
Synonyms	[non-specific mes	enchyme]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687), rest of interstitium of the testis(EMAPA:19176)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687), rest of interstitium of the testis(EMAPA:19176)]			

Modified Component 704				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18687>			
	2. order=2	for EMAPA:18687		

Modified Component 705				
ID	EMAPA:19175	Is Group Term	false	
Name	fetal Leydig cell			
Starts At	TS20	Ends At	TS27	
Primary Parents	EMAPA:18687[inter	stitium of the te	stis]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687), fetal Leydig cell(EMAPA:19175)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687), fetal Leydig cell(EMAPA:19175)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18687>			
	2. order=0	for EMAPA:18687		

ID	EMAPA:19174	Is Group Term	false		
Name	external				
Starts At	TS25	TS25 Ends At TS28			
Primary Parents	EMAPA:19172[in	nguinal ring]			
Group Parents					
Synonyms	[superficial]				
Primary Path	organ system() organ(EMAPA:1 system(EMAPA: system(EMAPA:	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inguinal ring(EMAPA:19172), external(EMAPA:19174)]			
Alternate Paths	embryo(EMAPA: visceral orga: system(EMAPA: system(EMAPA:	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inguinal ring(EMAPA:19172), external(EMAPA:19174)]			
Rule Status	PASSED	Edit Status	CHANGED		
Comments	no order entr	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19172>			
	2 orde	2. order=1 for EMAPA:19172			

Modified Component 707				
Indutited Componer				
ID	EMAPA:19173	Is Group Term	false	
Name	internal			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:19172[ingui	nal ring]		
Group Parents				
Synonyms	[deep]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inguinal ring(EMAPA:19172), internal(EMAPA:19173)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inguinal ring(EMAPA:19172), internal(EMAPA:19173)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19172>			
	2. order=0 for EMAPA:19172			

Modified Component 708				
ID	EMAPA:19172	Is Group Term	false	
Name	inguinal ring			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inguinal ring(EMAPA:19172)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inguinal ring(EMAPA:19172)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <18 for EMAPA:17959>			
	2. order=18 for EMAPA:17959			

Modified Component 709				
ID	EMAPA:19171	Is Group Term	false	
Name	inguinal canal			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:17959[female reproductive system]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Component 709			
	organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inquinal canal(EMAPA:19171)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inquinal canal(EMAPA:19171)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <16 for EMAPA:17959>		
	2. order=16	for EMAPA:17959	

Modified Component 710				
ID	EMAPA:19170	Is Group Term	false	
Name	glans clitoris			
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:18680[genit	al tubercle of fe	male]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795	1), female reprode 9), genital tuber	l uctive cle of	
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:2 female(EMAPA:1868	female(EMAPA:18680), glans clitoris(EMAPA:19170)]  1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170)]		l uctive al bercle of	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170)]			
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3	omy(EMAPA:0), mou 9), organ system( APA:16245), reprod 1), female reprod 9), female extern 0984), genital tu 0), glans clitori	EMAPA:16103), ductive uctive al bercle of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differen no order entries; for EMAPA:18680>	t Order - Referen This Component h	ced Component has as order entry <6	
	2. order=6	for EMAPA:18680		

Modified Component 711			
ID	EMAPA:30879	Is Group Term	false
Name	rest of urogenita	l sinus	
Starts At	TS20	Ends At	TS20
Primary Parents	EMAPA:17379[uroge	nital sinus]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), rest of urogenital sinus(EMAPA:30879)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17379>		
	2. order=6 for EMAPA:17379		

Modified Component 712			
ID	EMAPA:30876	Is Group Term	false
Name	mesenchymal layer	of primitive bla	dder
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:30870[primi	tive bladder]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), mesenchymal layer of primitive bladder(EMAPA:30876)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), mesenchymal layer of primitive bladder(EMAPA:30876)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30870>		
	2. order=1	for EMAPA:30870	

Modified Component 713			
ID	EMAPA:30873	Is Group Term	false
Name	epithelial layer	of primitive blade	der
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:30870[primitive bladder]		
Group Parents			
Synonyms	[]		
Primary Path		(EMAPA:0), mouse(1 A:16103), viscera	

Modified Component 713				
	organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), epithelial layer of primitive bladder(EMAPA:30873)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870), epithelial layer of primitive bladder(EMAPA:30873)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30870>			
	2. order=0	for EMAPA:30870		

Modified Component 714			
ID	EMAPA:30870	Is Group Term	false
Name	primitive bladder		
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:17379[uroge	nital sinus]	
Group Parents			
Synonyms	[cranial urogenit	al sinus]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379), primitive bladder(EMAPA:30870)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17379>		
	2. order=4	for EMAPA:17379	

Modified Component 715			
ID	EMAPA:30942	Is Group Term	false
Name	prostatic urethra		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:18692[ureth	ra of male]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differen no order entries;		ced Component has as order entry <1

Modified Componen	t 715
	for EMAPA:18692>
	2. order=1 for EMAPA:18692

Modified Component 716			
ID	EMAPA:30137	Is Group Term	false
Name	muscularis mucosa	of neck	
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:28619[muscu	laris mucosa of b	ladder]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619), muscularis mucosa of neck(EMAPA:30137)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), muscularis mucosa of bladder(EMAPA:28619), muscularis mucosa of neck(EMAPA:30137)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28619>		
	2. order=2	for EMAPA:28619	_

Modified Component 717				
ID	EMAPA:30946	Is Group Term	false	
Name	epithelial layer			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30944[peni]	le urethra]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944), epithelial layer(EMAPA:30946)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944), epithelial layer(EMAPA:30946)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30944>			
	2. order=0	2. order=0 for EMAPA:30944		

Modified Component 718				
ID	EMAPA:28949	Is Group Term	false	
Name	epithelium of rest of nephric duct of female			

Modified Component 718					
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA:28945[nephric duct of female, rest of]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), nephric duct of female, rest of(EMAPA:28945), epithelium of rest of nephric duct of female(EMAPA:28949)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), nephric duct of female, rest of(EMAPA:28945), epithelium of rest of nephric duct of female(EMAPA:28949)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28945>  2. order=0 for EMAPA:28945				

Modified Component 719					
ID	EMAPA:30944	Is Group Term	false		
Name	penile urethra				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:18692[urethra of male]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18692>				
	2. order=3 for EMAPA:18692				

Modified Component 720					
ID	EMAPA:28945	Is Group Term	false		
Name	nephric duct of female, rest of				
Starts At	TS20	Ends At	TS23		
Primary Parents	EMAPA:17959[female reproductive system]				
Group Parents					
Synonyms	[mesonephric duct of female, rest of]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive				

Modified Component 720			
	system(EMAPA:17959), nephric duct of female, rest		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), nephric duct of female, rest of(EMAPA:28945)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17959>		
	2. order=2	for EMAPA:17959	

Modified Component 721			
ID	EMAPA:30130	Is Group Term	false
Name	serosa of neck		
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:28661[seros	a of bladder]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661), serosa of neck(EMAPA:30130)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), serosa of bladder(EMAPA:28661), serosa of neck(EMAPA:30130)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28661>		
	2. order=2	for EMAPA:28661	

Modified Component 722			
ID	EMAPA:29669	Is Group Term	false
Name	proximal straight	tubule	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29665[loop	of Henle]	
Group Parents			
Synonyms	[pars recta, segm	ent 3 of proximal	tubule]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer stripe of outer medulla(EMAPA:29663), loop of Henle(EMAPA:29665), proximal straight tubule(EMAPA:29669)]		
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA medulla(EMAPA:283 medulla(EMAPA:296	omy(EMAPA:0), mou 9), organ system( IAPA:16245), urina 6), metanephros(E IPA:19279), outer 10), outer stripe 63), loop of Henl tubule(EMAPA:296	EMAPA:16103), ry MAPA:17373), of outer e(EMAPA:29665),

Modified Component 722			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29665>		
	2. order=0	for EMAPA:29665	

Modified Component 723			
ID	EMAPA:29675	Is Group Term	false
Name	inner stripe of outer medulla		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:28310[outer	medulla]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:28310), inner stripe of outer medulla(EMAPA:29675)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), inner stripe of outer medulla(EMAPA:29675)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28310>		
	2. order=3	for EMAPA:28310	

Modified Component 724			
ID	EMAPA:28147	Is Group Term	false
Name	renal cortical arterial system		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:28142[renal	cortical vascula	ture]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical arterial system(EMAPA:28147)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical arterial system(EMAPA:28147)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28142>		
	2. order=0	for EMAPA:28142	_

Modified Component 725			
ID	EMAPA:28142	Is Group Term	false
Name	renal cortical vasculature		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:17952[renal	cortex]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17952>		
	2. order=10	for EMAPA:17952	-

Modified Component 726			
ID	EMAPA:29671	Is Group Term	false
Name	distal straight tubule		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29665[loop	of Henle]	
Group Parents			
Synonyms	[thick ascending	limb]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer stripe of outer medulla(EMAPA:29663), loop of Henle(EMAPA:29665), distal straight tubule(EMAPA:29671)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29665>		
	2. order=1	for EMAPA:29665	_

Modified Component 727			
ID	EMAPA:30948	Is Group Term	false
Name	mesenchymal layer		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30944[penile urethra]		

Modified Component 727			
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944), mesenchymal layer(EMAPA:30948)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944), mesenchymal layer(EMAPA:30948)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30944>		
	2. order=1 for EMAPA:30944		

Modified Component 728			
ID	EMAPA:30952	Is Group Term	false
Name	epithelial layer		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30942[prost	atic urethra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942), epithelial layer(EMAPA:30952)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942), epithelial layer(EMAPA:30952)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30942>		
	2. order=0	for EMAPA:30942	

Modified Component 729			
ID	EMAPA:30954	Is Group Term	false
Name	mesenchymal layer		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30942[prost	atic urethra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942), mesenchymal layer(EMAPA:30954)]		
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 729				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942), mesenchymal layer(EMAPA:30954)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30942>			
	2. order=1	for EMAPA:30942		

Modified Component 730					
ID	EMAPA:30956	Is Group Term	false		
Name	muscle layer				
Starts At	TS28 Ends At TS28				
Primary Parents	EMAPA:30942[prost	atic urethra]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942), muscle layer(EMAPA:30956)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), prostatic urethra(EMAPA:30942), muscle layer(EMAPA:30956)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30942>				
	2. order=2 for EMAPA:30942				

Modified Component 731				
ID	EMAPA:28957	Is Group Term	false	
Name	epithelium of res	t of paramesoneph	ric duct of	
Starts At	TS21	Ends At	TS23	
Primary Parents	EMAPA:28940[paramof]	esonephric duct o	f female, rest	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), paramesonephric duct of female, rest of(EMAPA:28940), epithelium of rest of paramesonephric duct of female(EMAPA:28957)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), paramesonephric duct of female, rest of(EMAPA:28940), epithelium of rest of paramesonephric duct of female(EMAPA:28957)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has			

Modified Component 731					
	no order entries; This Component has order of FMAPA: 28940>	entry <0			
	2. order=0 for EMAPA:28940				

Modified Component 732					
ID	EMAPA:30123	Is Group Term	false		
Name	detrusor muscle o	f neck			
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:28637[detru	sor muscle of blace	dder]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637), detrusor muscle of neck(EMAPA:30123)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), detrusor muscle of bladder(EMAPA:28637), detrusor muscle of neck(EMAPA:30123)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28637>				
	2. order=2 for EMAPA:28637				

Modified Component 733			
ID	EMAPA:29657	Is Group Term	false
Name	segment 1 of prox	imal tubule	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:28287[renal	proximal convolu	ted tubule]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal		

## ltubule(EMAPA: 29657)]

- 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:28287)
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),

```
organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:18976), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
```

- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary

```
loop stage nephron GROUP(EMAPA: 28506), cortical
renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted
tubule(EMAPA:28287), segment 1 of proximal
ltubule(EMAPA:29657)]
20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal
tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal
convoluted tubule(EMAPA:28287), segment 1 of
proximal tubule(EMAPA:29657)]
21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late
tubule(EMAPA: 28527), cortical renal
tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), renal proximal convoluted
tubule(EMAPA:28287), segment 1 of proximal
tubule(EMAPA:29657)]
22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 1 of
proximal tubule(EMAPA:29657)]
23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373),
renal cortex(EMAPA:17952), maturing
nephron(EMAPA:28485), cortical renal
tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 1 of proximal tubule(EMAPA:29657)]
24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal
convoluted tubule (EMAPA: 28287), segment 1 of
proximal tubule(EMAPA:29657)]
25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103),
visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted
tubule(EMAPA:28287),
tubule(EMAPA:29657)]
                                 segment 1 of proximal
26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal
tubule(EMAPA:18976), cortical renal tubule of
mature nephron GROUP(EMAPA:31566), renal proximal
convoluted tubule(EMAPA: 28287), segment 1 of
```

27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal

proximal tubule(EMAPA:29657)]

Modified Component 733				
	tubule(EMAPA:1897 tubule(EMAPA:2828 tubule(EMAPA:2828 tubule(EMAPA:2965	1), renal proxima: 7), segment 1 of p	l convoluted	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28287>			
	2. order=0	for EMAPA:28287		

Modified Component 734				
ID	EMAPA:28953	Is Group Term	false	
Name	mesenchyme of res	st of nephric duct	of female	
Starts At	TS21	Ends At	TS23	
Primary Parents	EMAPA: 28945 [ neph	ric duct of female	, rest of]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:1624 system(EMAPA:1738 system(EMAPA:1795 of(EMAPA:28945),	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), nephric duct of female, rest of(EMAPA:28945), mesenchyme of rest of nephric duct of female(EMAPA:28953)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), nephric duct of female, rest of(EMAPA:28945), mesenchyme of rest of nephric duct of female(EMAPA:28953)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differer no order entries for EMAPA: 28945>	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28945>		
	2. order=1	2. order=1 for EMAPA:28945		

Modified Component 735				
ID	EMAPA:30950	Is Group Term	false	
Name	muscle layer			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30944[penil	e urethra]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944), muscle layer(EMAPA:30950)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), penile urethra(EMAPA:30944), muscle layer(EMAPA:30950)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30944>			

Modified Compone	ent 736		
ID	EMAPA: 29659 Is Group Term false		
Name	segment 2 of proximal tubule		
Starts At	TS28 Ends At TS28		
Primary Parents	EMAPA:28287[renal proximal convoluted tubule]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]		
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]		
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal		

```
tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), renal proximal convoluted
tubule(EMAPA:28287), segment 2 of proximal
tubule(EMAPA:29659)]
```

- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:28287)]
- 14. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]

## Modified Component 736

- 15. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 16. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 17. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 18. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 19. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 20. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 21. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]
- 22. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]

Modified Component 736				
	23. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]			
	24. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]			
	25. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]			
	26. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]			
	27. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal convoluted tubule(EMAPA:28287), segment 2 of proximal tubule(EMAPA:29659)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28287>			
	2. order=1 for EMAPA:28287			

Modified Component 737				
ID	EMAPA:28961	Is Group Term	false	
Name	mesenchyme of res female	t of paramesoneph	ric duct of	
Starts At	TS21	Ends At	TS23	
Primary Parents	EMAPA:28940[paramesonephric duct of female, rest of]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), paramesonephric duct of female, rest of(EMAPA:28940), mesenchyme of rest of paramesonephric duct of female(EMAPA:28961)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 737				
	visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 female, rest of(E	9), organ system(1 MAPA:16245), reprodu 1), female reprodu 19), paramesonephr: MAPA:28940), mesen luct of female(EMA)	ductive uctive ic duct of nchyme of rest of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28940>			
	2. order=1	for EMAPA:28940		

Modified Component 738				
ID	EMAPA:28136	Is Group Term	false	
Name	renal cortical in	terstitium		
Starts At	TS22	Ends At	TS28	
Primary Parents		EMAPA:17952[renal cortex] EMAPA:28518[renal interstitium group]		
Group Parents				
Synonyms	[cortical stroma]			
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	2), renal cortical	l (EMAPA:17366),	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal interstitium group(EMAPA:28518), renal cortical interstitium(EMAPA:28136)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:28518>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17952>			
	3. order=6 order=8 for EMAPA	for EMAPA:28518 :17952		

Modified Component 739				
ID	EMAPA:29663	Is Group Term	false	
Name	outer stripe of outer medulla			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:28310[outer medulla]			
Group Parents	Parents			
Synonyms	[]			

Modified Component 739				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer stripe of outer medulla(EMAPA:29663)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer stripe of outer medulla(EMAPA:29663)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28310>			
	2. order=2	for EMAPA:28310		

Modified Component 740			
ID	EMAPA:29665	Is Group Term	false
Name	loop of Henle		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29663[outer	stripe of outer i	medulla]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer stripe of outer medulla(EMAPA:29663), loop of Henle(EMAPA:29665)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), outer stripe of outer medulla(EMAPA:29663), loop of Henle(EMAPA:29665)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29663>		
	2. order=0	for EMAPA:29663	

Modified Component 741				
ID	EMAPA: 28130			
Name	cortical collecti	ng duct		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:17952[renal cortex] EMAPA:28494[ureteric trunk]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical collecting duct(EMAPA:28130)]			

Modified Componer	nt 741
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494), cortical collecting duct(EMAPA:28130)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494), cortical collecting duct(EMAPA:28130)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28494), cortical collecting duct(EMAPA:28130)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric trunk(EMAPA:28494), cortical collecting duct(EMAPA:28130)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical collecting duct(EMAPA:28130)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28494>
	2. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:17952>
	3. order=0 for EMAPA:28494 order=7 for EMAPA:17952

Modified Component 742				
ID	EMAPA:29661	Is Group Term	false	
Name	renal proximal st	raight tubule		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:28281[renal	proximal tubule]		
Group Parents				
Synonyms	[pars recta, segm	ent 3 of proximal	tubule]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),			

```
metanephros(EMAPA:17373), stage IV immature
nephron(EMAPA:28445), cortical renal
tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]
[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal
tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight
tubule(EMAPA:29661)]
4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366),
metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), late tubule(EMAPA:28527),
cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28527), tubule(EMAPA:28527), renal proximal straight tubule(EMAPA:29661)]
5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal
cortex(EMAPA:17952), maturing nephron(EMAPA:28485),
cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight
tubule(EMAPA:29661)]
6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
organ system(EMAPA:16103), visceral
organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:18976), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight
tubule(EMAPA:29661)]
7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPĀ:17366), metanephros(EMĀPA:17373),
mature nephron(EMAPA:28491), cortical renal
tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), renal proximal straight
tubule(EMAPA:29661)]
8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPĀ:17366), metanephros(EMĀPA:17373)
stage IV immature nephron(EMAPA: 28445), cortical
renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]
9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), developing capillary
loop stage nephron GROUP(EMAPA: 28506), cortical
renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]
10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765)
embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late
tubule(EMAPA: 28527), cortical renal
tubule(EMAPA:18976), renal proximal
tubule(EMAPA:28281), renal proximal straight
tubule(EMAPA:29661)]
```

11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373),

Modified Componen	t 742		
	renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]		
	12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]		
	13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28281>		
	2. order=2 for EMAPA:28281		

Modified Component 743			
ID	EMAPA:30924	Is Group Term	false
Name	urethral plate of	female	
Starts At	TS23	Ends At	TS24
Primary Parents	EMAPA:30917[phall	ic urethra of fem	ale]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), urethral plate of female(EMAPA:30924)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), urethral plate of female(EMAPA:30924)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30917>		
	2. order=0	for EMAPA:30917	

Modified Component 744				
ID	EMAPA:28929	Is Group Term	false	
Name	rete ovarii of mesonephros			
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:28909[mesonephros of female]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 744			
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), rete ovarii of mesonephros(EMAPA:28929)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), rete ovarii of mesonephros(EMAPA:28929)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:28909>		
	2. order=6	for EMAPA:28909	

Modified Component 745					
ID	EMAPA:28924	Is Group Term	false		
Name	nephric duct of f	nephric duct of female, mesonephric portion			
Starts At	TS20	Ends At	TS21		
Primary Parents	EMAPA:28909[meson	ephros of female]			
Group Parents					
Synonyms	[mesonephric duct Wolffian duct of	of female, meson female]	ephric portion,		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), nephric duct of female, mesonephric portion(EMAPA:28924)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), nephric duct of female, mesonephric portion(EMAPA:28924)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments		t Order - Referen This Component h			
	2. order=3	for EMAPA:28909			

Modified Component 746			
ID	EMAPA:29693	Is Group Term	false
Name	epithelium of cau	da of epididymis	
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:30445[epithelium of epididymis] EMAPA:19292[cauda epididymis]		
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	(EMAPA:0), mouse(1A:16103), visceral), reproductive 1), male reproductive 8), epididymis(EMI19292), epithelium	l tive APA:19290), cauda

Modified Component 746			
	epididymis(EMAPA:29693)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), epithelium of epididymis(EMAPA:30445), epithelium of cauda of epididymis(EMAPA:29693)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), epithelium of epididymis(EMAPA:30445), epithelium of cauda of epididymis(EMAPA:29693)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), epithelium of cauda of epididymis(EMAPA:29693)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:19292>  2. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:30445>		
	3. order=2 for EMAPA:30445 order=0 for EMAPA:19292		

Modified Component 747			
ID	EMAPA:28167	Is Group Term	false
Name	renal medullary v	renous system	
Starts At	TS23	Ends At	TS28
Primary Parents		medullary vascul blood vessels] E	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary vasculature(EMAPA:28157), renal medullary venous system(EMAPA:28167)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal medullary venous system(EMAPA:28167)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal medullary venous system(EMAPA:28167)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal venous system(EMAPA:31450), renal medullary venous system(EMAPA:28167)]		
		.omy(EMAPA:0), mou 9), organ system(	

Modified Component 747				
	visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal medullary venous system(EMAPA:28167);			
	5. [Abstract anatomy(EMAPA:20107)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary vasculature(EMAPA:28157), renal medullary venous system(EMAPA:28167)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28157>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:31450>			
	3. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:31469>			
	4. order=1 order=5 for EMAPA order=7 for EMAPA			

Modified Component 748			
ID	EMAPA:29691	Is Group Term	false
Name	renal nerve		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal nerve(EMAPA:29691)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal nerve(EMAPA:29691)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17366>		
	2. order=5	for EMAPA:17366	

Modified Component 749			
ID	EMAPA:30927	Is Group Term	false
Name	urethral fold of	female	
Starts At	TS23	Ends At	TS24
Primary Parents	EMAPA:30917[phall	ic urethra of fema	ale]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), urethral fold of female(EMAPA:30927)]		

Modified Component 749				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), urethral fold of female(EMAPA:30927)]			
Rule Status	PASSED		Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30917>			
	2.	order=1	for EMAPA:30917	

Modified Component 750				
ID	EMAPA:28162	Is Group Term	false	
Name	renal medulla	renal medullary arterial system		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:31469[s	EMAPA:31436[renal arterial system] EMAPA:31469[small blood vessels] EMAPA:28157[renal medullary vasculature]		
Group Parents				
Synonyms	[]			
Primary Path	organ system( organ(EMAPA:1 metanephros(E medulla(EMAPA	EMAPA:16103), vis 6245), urinary sy MAPA:17373), rena ::19279), renal me MAPA:28157), rena	stem(EMAPA:17366), 1	
Alternate Paths	organ system( organ(EMAPA:1 renal arteria	EMAPA: 16103), vis 6245), urinary sy	mouse(EMAPA:25765), ceral stem(EMAPA:17366), 436), renal medullary	
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal medullary arterial system(EMAPA:28162)]			
	embryo(EMAPA: visceral orga system(EMAPA: system(EMAPA:	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), renal medullary arterial system(EMAPA:28162)]		
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal medullary arterial system(EMAPA:28162)]			
	embryo(EMAPA: visceral orga system(EMAPA: renal medulla	16039), organ sys n(EMAPA:16245), u 17366), metanephr (EMAPA:19279), re MAPA:28157), rena	os(EMAPA:17373),	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		ies; This Compone	erenced Component has nt has order entry <0	
		ies; This Compone	erenced Component has nt has order entry <2	

Modified Component 750				
	3. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:31436>			
	4. order=0 for EMAPA:28157 order=3 for EMAPA:31436 order=2 for EMAPA:31469			

Modified Component 751				
ID	EMAPA:30934	Is Group Term	false	
Name	mesenchymal layer	mesenchymal layer of phallic urethra of female		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:30917[phall	ic urethra of fem	ale]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), mesenchymal layer of phallic urethra of female(EMAPA:30934)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), mesenchymal layer of phallic urethra of female(EMAPA:30934)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:30917>			
	2. order=3	for EMAPA:30917		

Modified Component 752			
ID	EMAPA:30930	Is Group Term	false
Name	epithelial layer	of phallic urethr	a of female
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:30917[phall	ic urethra of fem	ale]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), epithelial layer of phallic urethra of female(EMAPA:30930)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), epithelial layer of phallic urethra of female(EMAPA:30917)		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30917>		
	2. order=2	for EMAPA:30917	_

Modified Component 753			
ID	EMAPA:30144	Is Group Term	false
Name	adventitia of nec	k	
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA: 28826 [adven	titia of bladder]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of bladder(EMAPA:28826), adventitia of neck(EMAPA:30144)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), adventitia of bladder(EMAPA:28826), adventitia of neck(EMAPA:30144)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28826>		
	2. order=2	for EMAPA:28826	

Modified Componer	nt 754	1	٦٢
ID	EMAPA:29679	Is Group Term	false
Name	loop of Henle		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29675[inner	stripe of outer	medulla]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192	79), outer medull outer medulla(EMAP	1 (EMAPA:17366),
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA medulla(EMAPA:283	.omy(EMAPA:0), mou 19), organ system( 1APA:16245), urina 16), metanephros(E 1PA:19279), outer 10), inner stripe 175), loop of Henl	EMAPA:16103), ry MAPA:17373), of outer
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differen no order entries; for EMAPA:29675>	t Order - Referen This Component h	ced Component has as order entry <0
	2. order=0	for EMAPA:29675	

Modified Component 755				
ID	EMAPA:28937	Is Group Term	false	
Name	paramesonephric d	uct of female, me	sonephric portion	
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:28909[mesonephros of female]			
Group Parents				

Modified Component 755				
Synonyms	[Mllerian duct of female]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), paramesonephric duct of female, mesonephric portion(EMAPA:28937)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), paramesonephric duct of female, mesonephric portion(EMAPA:28937)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:28909>			
	2. order=5 for EMAPA:28909			

Modified Component 756			
ID	EMAPA:28934	Is Group Term	false
Name	coelomic epithelium of female mesonephros		
Starts At	TS20	Ends At	TS23
Primary Parents	EMAPA:28909[meson	ephros of female]	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795	1), female reprod 9), mesonephros o 9), coelomic epit	l uctive f
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795	omy(EMAPA:0), mou 19), organ system( IAPA:16245), repro 1), female reprod 19), mesonephros o 19), coelomic epit 128934)]	EMAPA:16103), ductive uctive f
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	ced Component has as order entry <7
	2. order=7	for EMAPA:28909	

Modified Component 757				
ID	EMAPA:29681	Is Group Term	false	
Name	thin descending l	imb		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29679[loop of Henle]			
Group Parents				
Synonyms	[]			
	organ system(EMAP		l (EMAPA:17366),	

Modified Component 757				
	inner stripe of outer medulla(EMAPA:29675), loop of Henle(EMAPA:29679), thin descending limb(EMAPA:29681)]			
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA medulla(EMAPA:283	10), inner stripe 75), loop of Henle	EMAPA:16103), ry MAPA:17373), of outer	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29679>			
	2. order=0	for EMAPA:29679		

Modified Component 758			
ID	EMAPA:30150	Is Group Term	false
Name	interstitium		
Starts At	TS23	Ends At	TS24
Primary Parents	EMAPA:28811[urete	ral smooth muscle	layer]
Group Parents			
Synonyms	[Cajal cell]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral smooth muscle layer(EMAPA:28811), interstitium(EMAPA:30150)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral mesenchyme(EMAPA:27711), ureteral smooth muscle layer(EMAPA:28811), interstitium(EMAPA:30150)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28811>		
	2. order=1	for EMAPA:28811	

Modified Component 759				
ID	EMAPA:28152	Is Group Term	false	
Name	renal cortical ve	nous system		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:28142[renal	cortical vascula	ture]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), renal cortical vasculature(EMAPA:28142), renal cortical venous system(EMAPA:28152)]			
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736	omy(EMAPA:0), mous 9), organ system(1 APA:16245), urina 6), metanephros(EM A:17952), renal co	EMAPA:16103), ry MAPA:17373),	

Modified Component 759				
	vasculature(EMAPA:28142), renal cortical venous			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28142>			
	2. order=1	for EMAPA:28142		

Modified Component 760					
ID	EMAPA:29683	Is Group Term	false		
Name	premacula segment	premacula segment of distal straight tubule			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29679[loop	of Henle]			
Group Parents					
Synonyms	[thick ascending	limb]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), outer medulla(EMAPA:28310), inner stripe of outer medulla(EMAPA:29675), loop of Henle(EMAPA:29679), premacula segment of distal straight tubule(EMAPA:29683)]				
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA medulla(EMAPA:283 medulla(EMAPA:296	10), inner stripe 75), loop of Henle of distal straigh	EMAPA:16103), ry MAPA:17373), of outer e(EMAPA:29679),		
Rule Status	PASSED	Edit Status	CHANGED		
Comments		t Order - Referen This Component h			
	2. order=1	for EMAPA:29679			

Modified Component 761			
ID	EMAPA:28940	Is Group Term	false
Name	paramesonephric d	luct of female, re	st of
Starts At	TS20	Ends At	TS23
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]
Group Parents			
Synonyms	[Mllerian duct of	female, rest of]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), paramesonephric duct of female, rest of(EMAPA:28940)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), paramesonephric duct of female, rest of(EMAPA:28940)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	ced Component has as order entry <1

Modified Component 761			
	for EMAPA:17959>		
	2. order=1 for EMAPA:17959		

Modified Component 762				
ID ID	EMAPA: 28157	Is Group Term	false	
Name	renal medullary v	asculature		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:19279[renal	medulla]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary vasculature(EMAPA:28157)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary vasculature(EMAPA:28157)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:19279>			
	2. order=6 for EMAPA:19279			

Modified Component 763			
ID	EMAPA:30938	Is Group Term	false
Name	muscle layer of p	hallic urethra of	female
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:30917[phall	ic urethra of fem	ale]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), muscle layer of phallic urethra of female(EMAPA:30938)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917), muscle layer of phallic urethra of female(EMAPA:30938)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:30917>		
	2. order=4 for EMAPA:30917		

Modified Component 764				
ID	EMAPA:29626	Is Group Term	false	
Name	genital tubercle surface epithelium of female			

Modified Compor	
Starts At	TS20 Ends At TS20
Primary Parents	EMAPA:18680[genital tubercle of female]
Group Parents	
Synonyms	[]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), genital tubercle surface epithelium of female(EMAPA:29626)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), genital tubercle surface epithelium of female(EMAPA:29626)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), genital tubercle surface epithelium of female(EMAPA:29626)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), genital tubercle of female(EMAPA:18680), genital tubercle surface epithelium of female(EMAPA:29626)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:18680), genital tubercle surface epithelium of female(EMAPA:29626)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), genital tubercle surface epithelium of female(EMAPA:29626)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18680>
	2. order=0 for EMAPA:18680

Modified Component 765				
ID	EMAPA:30903	Is Group Term	false	
Name	pelvic urethra			
Starts At	TS22	Ends At	TS22	
Primary Parents	EMAPA:30901[urethra]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),			

Modified Component 765			
	urethra(EMAPA:30901), pelvic urethra(EMAPA:30903)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30901>		
	2. order=0	for EMAPA:30901	

Modified Component 766			
ID	EMAPA:30901	Is Group Term	false
Name	urethra		
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:17366>		
	2. order=13 for EMAPA:17366		

Modified Component 767				
ID	EMAPA:30907	Is Group Term	false	
Name	mesenchymal layer	of pelvic urethr	a	
Starts At	TS22	Ends At	TS22	
Primary Parents	EMAPA:30903[pelvi	c urethra]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), mesenchymal layer of pelvic urethra(EMAPA:30907)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), mesenchymal layer of pelvic urethra(EMAPA:30907)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30903>			
	2. order=1	for EMAPA:30903	_	

Modified Component 768			
ID	EMAPA:30905	Is Group Term	false
Name	epithelial layer	of pelvic urethra	
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:30903[pelvi	c urethra]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), epithelial layer of pelvic urethra(EMAPA:30905)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), epithelial layer of pelvic urethra(EMAPA:30905)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30903>		
	2. order=0	for EMAPA:30903	

Modified Component 769				
ID	EMAPA:30909	Is Group Term	false	
Name	muscle layer of p	elvic urethra		
Starts At	TS22	Ends At	TS22	
Primary Parents	EMAPA:30903[pelvi	c urethra]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), muscle layer of pelvic urethra(EMAPA:30909)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), pelvic urethra(EMAPA:30903), muscle layer of pelvic urethra(EMAPA:30909)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30903>			
	2. order=2	for EMAPA:30903		

Modified Component 770				
ID	EMAPA:29633	Is Group Term	false	
Name	inner longitudina	l muscle		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:28844[ureteral smooth muscle layer]			
Group Parents				
Synonyms	[ ]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Component 770						
	organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844), inner longitudinal muscle(EMAPA:29633)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844), inner longitudinal muscle(EMAPA:29633)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28844>					
	2. order=0	for EMAPA:28844				

Modified Component 771						
ID	EMAPA:29631	Is Group Term	false			
Name	vasculature of th	e ovary				
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:17962[ovary	·]				
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), vasculature of the ovary(EMAPA:29631)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), vasculature of the ovary(EMAPA:29631)]					
Rule Status	PASSED Edit Status CHANGED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <16 for EMAPA:17962>					
	2. order=16	for EMAPA:17962				

Modified Component 772					
ID	EMAPA:30911	Is Group Term	false		
Name	phallic urethra				
Starts At	TS22	Ends At	TS22		
Primary Parents	EMAPA:30901[ureth	ra]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has				

Modified Component 772								
		entries; A:30901>	Thi	s Component	has	order	entry	<1
	2.	order=1	for	EMAPA:30901				

Modified Component 773					
ID	EMAPA:30913	Is Group Term	false		
Name	urethral plate of	phallic urethra			
Starts At	TS22	Ends At	TS22		
Primary Parents	EMAPA:30911[phall	ic urethra]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911), urethral plate of phallic urethra(EMAPA:30913)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911), urethral plate of phallic urethra(EMAPA:30913)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30911>				
	2. order=0	for EMAPA:30911			

			1		
Modified Component 774					
ID	EMAPA:30915	Is Group Term	false		
Name	urethral fold of	phallic urethra			
Starts At	TS22	Ends At	TS22		
Primary Parents	EMAPA:30911[phall	ic urethra]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911), urethral fold of phallic urethra(EMAPA:30915)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra(EMAPA:30901), phallic urethra(EMAPA:30911), urethral fold of phallic urethra(EMAPA:30915)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30911>				
	2. order=1	for EMAPA:30911			

Modified Component 775						
ID	EMAPA:30917					
Name	phallic urethra of female					
Starts At TS23 Ends At TS28						

Modified Component 775						
Primary Parents	EMAPA:28747[urethra of female]					
Group Parents						
Synonyms	[external urethra of female]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), phallic urethra of female(EMAPA:30917)]					
Rule Status	PASSED Edit Status CHANGED					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28747>					
	2. order=1 for EMAPA:28747					

ID	EMAPA: 29621	Is Group Term	false	
Name	I	le mesenchyme of	female	
Starts At	TS20	Ends At	TS20	
Primary Parents	EMAPA:18680[gei	 nital tubercle of	female]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(El organ(EMAPA:16; system(EMAPA:1; system(EMAPA:1;		eral e roductive	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reprodustructure(EMAPA:28540), genital tubercle of female(EMAPA:18680), genital tubercle mesenchy female(EMAPA:29621)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), genital tubercle of female(EMAPA:18680), genital tubercle mesenchyme of female(EMAPA:29621)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17881), female reproductive system(EMAPA:18680), genital tubercle mesenchyme of female(EMAPA:29621)]  4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female associated reproductive system(EMAPA:17381), female associated reproductive system(EMAPA:17381), female associated reproductive system(EMAPA:17381), genital tubercle of female(EMAPA:28540), genital tubercle mesenchyme of female(EMAPA:18680), genital tubercle mesenchyme of female(EMAPA:29621)]			
5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25]				

Modified Component 776						
	visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3	39), organ system(30), reprod MAPA:16245), reprod 31), female reprod 39), female extern 30984), genital tuber 30), genital tuber 21)]	ductive uctive al bercle of			
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18680>					
	2. order=1	for EMAPA:18680				

Modified Component 777					
ID	EMAPA:28965	Is Group Term	false		
Name	meiotic germ cell				
Starts At	TS21	Ends At	TS24		
Primary Parents	EMAPA:17965[germ	cell of ovary]			
Group Parents					
Synonyms	[oocyte]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), germ cell of ovary(EMAPA:17965), meiotic germ cell(EMAPA:28965)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), germ cell of ovary(EMAPA:17965), meiotic germ cell(EMAPA:28965)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17965>				
	2. order=1	for EMAPA:17965			

Modified Component 778						
ID	EMAPA:29645	Is Group Term	false			
Name	male urethral gla	nd				
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:18692[ureth	ra of male]				
Group Parents						
Synonyms	[]					
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), male urethral gland(EMAPA:29645)]					
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), male urethral gland(EMAPA:29645)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6					

Modified Componen	t 778				
	for EMAP	A:18692>			
	2.	order=6	for	EMAPA:18692	

Modified Compone	nt 779			
ID	EMAPA:30116	Is Group Term	false	
Name	lamina propria of	neck		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:30088[lamin	a propria of the	bladder]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088), lamina propria of neck(EMAPA:30116)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088), lamina propria of neck(EMAPA:30116)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30088>			
	2. order=2	for EMAPA:30088		

Modified Componer	nt 780			
ID	EMAPA:28971	Is Group Term	false	
Name	premeiotic germ c	ell		
Starts At	TS21	Ends At	TS24	
Primary Parents	EMAPA:17965[germ	cell of ovary]		
Group Parents				
Synonyms	[oogonia]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), germ cell of ovary(EMAPA:17965), premeiotic germ cell(EMAPA:28971)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), germ cell of ovary(EMAPA:17965), premeiotic germ cell(EMAPA:28971)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17965>			
	2. order=0	for EMAPA:17965		

Modified Component 781					
ID	EMAPA:29655	Is Group Term	false		

Modified Component 781					
Name	Leydig cell				
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:18687[inter	stitium of the te	stis]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687), Leydig cell(EMAPA:29655)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), interstitium of the testis(EMAPA:18687), Leydig cell(EMAPA:29655)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18687>				
	2. order=1 for EMAPA:18687				

Modified Componer	Modified Component 782				
ID	EMAPA:29653	EMAPA:29653   Is Group Term   false			
Name	female urethral g	land			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:28747[ureth	ra of female]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), female urethral gland(EMAPA:29653)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of female(EMAPA:28747), female urethral gland(EMAPA:29653)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28747>				
	2. order=2 for EMAPA:28747				

Modified Component 783					
ID	EMAPA: 29635				
Name	outer circular mu	scle			
Starts At	TS28 Ends At TS28				
Primary Parents	EMAPA:28844[ureteral smooth muscle layer]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral				

Modified Component 783				
	organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844), outer circular muscle(EMAPA:29635)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral smooth muscle layer(EMAPA:28844), outer circular muscle(EMAPA:29635)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28844>			
	2. order=1	for EMAPA:28844		

Modified Component 784				
ID	EMAPA:29637	Is Group Term	false	
Name	median umbilical	ligament		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:17366[urina	ry system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), median umbilical ligament(EMAPA:29637)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), median umbilical ligament(EMAPA:29637)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17366>			
	2. order=9	for EMAPA:17366		

Modified Component 785				
ID	EMAPA:30102	Is Group Term	false	
Name	lamina propria of	fundus		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:30088[lamin	a propria of the l	oladder]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088), lamina propria of fundus(EMAPA:30102)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088), lamina propria of fundus(EMAPA:30102)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differen	t Order - Referend	ced Component has	

Modified Component 785								
		entries;	Thi	s Component	has	order	entry	<0
	2.	order=0	for	EMAPA:30088				

. 15. 15.				
Modified Componer	it 786			
ID	EMAPA:29639	Is Group Term	false	
Name	bulbar part of ur	ethra of male		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:18692[ureth	ra of male]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), bulbar part of urethra of male(EMAPA:29639)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), bulbar part of urethra of male(EMAPA:29639)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:18692>			
	2. order=4 for EMAPA:18692			

Modified Component 787			
ID	EMAPA:28978	Is Group Term	false
Name	degenerating meso	nephric tubule of	female
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:28909[meson	ephros of female]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), degenerating mesonephric tubule of female(EMAPA:28978)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), degenerating mesonephric tubule of female(EMAPA:28978)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28909>		
	2. order=2	for EMAPA:28909	

Modified Component 788			
ID	EMAPA:30109	Is Group Term	false
Name	lamina propria of	trigone	

Modified Componen	it 788			
Starts At	TS22	Ends At		TS28
Primary Parents	EMAPA:30088	[lamina propria	of the	bladder]
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088), lamina propria of trigone(EMAPA:30109)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088), lamina propria of trigone(EMAPA:30109)]			
Rule Status	PASSED	Edit Status	S	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30088>			
	2. ord	der=1 for EMAPA	:30088	

Modified Componen	t 789		
ID	EMAPA:29641	Is Group Term	false
Name	distal region of	urethra of male	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:18692[ureth	ra of male]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), distal region of urethra of male(EMAPA:29641)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), distal region of urethra of male(EMAPA:29641)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:18692>		
	2. order=5	for EMAPA:18692	

Modified Component 790			
ID	EMAPA:28981	Is Group Term	false
Name	degenerating mesonephric portion of nephric duct of female		
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:28909[mesonephros of female]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of		

Modified Componer	t 790	
	female(EMAPA:28909), degenerating mesonephric portion of nephric duct of female(EMAPA:28981)]	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), degenerating mesonephric portion of nephric duct of female(EMAPA:28981)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:28909>	
	2. order=4 for EMAPA:28909	

Modified Component 791			
ID	EMAPA:26913	Is Group Term	false
Name	inguinal canal		
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:17968[male	reproductive syst	em]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal canal(EMAPA:26913)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), inguinal canal(EMAPA:26913)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17968>		
	2. order=8	for EMAPA:17968	

Modified Componen	nt 792		
ID	EMAPA:27599	Is Group Term	false
Name	nephric duct, met	anephric portion	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16367[genit EMAPA:28425[nephr		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct, metanephric portion(EMAPA:27599)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct group(EMAPA:28425), nephric duct, metanephric portion(EMAPA:27599)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		
	embryo(EMAPA:1603	9), organ system( APA:16245), genit	EMAPA:16103),

Modified Component 792			
	system(EMAPA:16367), nephric duct group(EMAPA:28425), nephric duct, metanephric portion(EMAPA:27599)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct, metanephric portion(EMAPA:27599)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28425>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:16367>		
	3. order=9 order=2 for EMAPA	for EMAPA:16367 :28425	

Modified Component 793				
ID	EMAPA: 27573	Is Group Term	false	
Name	cloaca			
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16367[genit	ourinary system]		
Group Parents				
Synonyms	[]	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), cloaca(EMAPA:27573)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), cloaca(EMAPA:27573)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:16367>			
	2. order=13	for EMAPA:16367		

Modified Component 794			
ID	EMAPA: 27570	Is Group Term	false
Name	posterior gonadal	mesenchyme	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16858[gonad	al mesenchyme]	
Group Parents			
Synonyms	[caudal gonadal m	esenchyme]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858), posterior gonadal mesenchyme(EMAPA:27570)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858), posterior gonadal mesenchyme(EMAPA:27570)]		
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 794		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:16858>	
	2. order=2 for EMAPA:16858	

Wadisiad Company 705					
Modified Componer	EMAPA:17377   Is Group Term   false				
			Taise		
Name	nephric duct, met	anephric portion	1		
Starts At	TS19	Ends At	TS20		
Primary Parents	EMAPA:17366[urinaduct group]	ary system] EMAPA:	28429[nephric		
Group Parents					
Synonyms	[Wolffian duct]				
Primary Path	organ system(EMAF organ(EMAPA:16245	r(EMAPA:0), mouse( PA:16103), viscera 5), urinary system canephric portion(	l (EMAPA:17366),		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), nephric duct group(EMAPA:28429), nephric duct, metanephric portion(EMAPA:17377)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), nephric duct group(EMAPA:28429), nephric duct, metanephric portion(EMAPA:17377)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nephric duct, metanephric portion(EMAPA:17377)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28429>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17366>				
	3. order=6 order=1 for EMAPA	for EMAPA:17366 A:28429			

Modified Component 796				
ID	EMAPA:17376	Is Group Term	false	
Name	ureteric bud			
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17373[metan	ephros]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric bud(EMAPA:17376)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric bud(EMAPA:17376)]			
Rule Status	PASSED Edit Status CHANGED			

Modified Component 796				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17373>			
	2. order=6 for EMAPA:17373			

Modified Component 797			
ID	EMAPA:17379	Is Group Term	false
Name	urogenital sinus		
Starts At	TS19	Ends At	TS22
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital sinus(EMAPA:17379)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:17366>		
	2. order=12 for EMAPA:17366		

Modified Component 798				
ID	EMAPA:28101	Is Group Term	false	
Name	deep cellular lay	er		
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA:28089[uroth	elium]		
Group Parents				
Synonyms	[basal urothelium	1]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), deep cellular layer(EMAPA:28101)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), urothelium(EMAPA:28089), deep cellular layer(EMAPA:28101)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28089>			
	2. order=1	for EMAPA:28089		

Modified Component 799				
ID	EMAPA:17378	Is Group Term	false	
Name	urogenital membrane			
Starts At	TS19 Ends At TS22			
Primary Parents	mts EMAPA:17366[urinary system]			

Modified Component 799			
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital membrane(EMAPA:17378)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urogenital membrane(EMAPA:17378)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <18 for EMAPA:17366>		
	2. order	=18 for EMAPA:17366	

Modified Component 800			
ID	EMAPA:17373	Is Group Term	false
Name	metanephros		
Starts At	TS19	Ends At	TS28
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[kidney]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17366>		
	2. order=1	for EMAPA:17366	

Modified Component 801			
ID	EMAPA:17375	Is Group Term	false
Name	metanephric mesen	chyme	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:17373[metan	ephros]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), metanephric mesenchyme(EMAPA:17375)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), metanephric mesenchyme(EMAPA:17375)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differen no order entries;		ced Component has as order entry <2

Modified Component 801				
	for EMAPA:17373>			
	2. order=2 for EMAPA:17373			

Modified Component 802			
ID	EMAPA:28909	Is Group Term	false
Name	mesonephros of fe	male	
Starts At	TS20	Ends At	TS23
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17959>		
	2. order=0	for EMAPA:17959	

Modified Component 803			
ID	EMAPA:27568	Is Group Term	false
Name	central gonadal m	esenchyme	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16858[gonad	al mesenchyme]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858), central gonadal mesenchyme(EMAPA:27568)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858), central gonadal mesenchyme(EMAPA:27568)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:16858>		
	2. order=1	for EMAPA:16858	

Modified Component 804				
ID	EMAPA: 27566	Is Group Term	false	
Name	anterior gonadal mesenchyme			

Modified Component 804				
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16858[gonad	lal mesenchyme]		
Group Parents				
Synonyms	[rostral gonadal	mesenchyme]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858), anterior gonadal mesenchyme(EMAPA:27566)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), gonadal mesenchyme(EMAPA:16858), anterior gonadal mesenchyme(EMAPA:27566)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:16858>			
	2. order=0	for EMAPA:16858		

Modified Component 805				
ID	EMAPA:27564	Is Group Term	false	
Name	coelomic epitheli	um		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16857[gonad	.]		
Group Parents				
Synonyms	[germinal epithel	ium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), coelomic epithelium(EMAPA:27564)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), gonad(EMAPA:16857), coelomic epithelium(EMAPA:27564)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:16857>			
	2. order=0	for EMAPA:16857	-	

Modified Component 806			
ID	EMAPA:17368	Is Group Term	false
Name	urogenital mesent	ery	
Starts At	TS20	Ends At	TS28
Primary Parents	EMAPA:17367[mesen	tery]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), mesentery(EMAPA:17367), urogenital mesentery(EMAPA:17368)]		
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 806			
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), mesentery(EMAPA:17367), urogenital mesentery(EMAPA:17368)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17367>		
	2. order=1	for EMAPA:17367	

Modified Component 807			
ID	EMAPA:17367	Is Group Term	false
Name	mesentery		
Starts At	TS20	Ends At	TS28
Primary Parents	EMAPA:17366[urina	ry system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), mesentery(EMAPA:17367)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), mesentery(EMAPA:17367)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17366>		
	2. order=0	for EMAPA:17366	

Modified Component 808			
ID	EMAPA:17366	Is Group Term	false
Name	urinary system		
Starts At	TS19	Ends At	TS28
Primary Parents	EMAPA:16245[visce	ral organ]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:16245>		
	2. order=1	for EMAPA:16245	

Modified Component 809				
ID EMAPA: 28914 Is Group Term false				
Name	mesonephric mesenchyme of female mesonephros			
Starts At	TS20	Ends At	TS23	

Modified Component 809			
Primary Parents	EMAPA:28909[mesonephros of female]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric mesenchyme of female mesonephros(EMAPA:28914)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric mesenchyme of female mesonephros(EMAPA:28914)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28909>		
	2. order=0 for EMAPA:28909		

Modified Component 810			
ID	EMAPA: 28919	Is Group Term	false
Name	mesonephric tubul	e of female	
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:28909[mesor	nephros of female]	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795	31), female reprod 59), mesonephros o 59), mesonephric t	l uctive f
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), mesonephric tubule of female(EMAPA:28919)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28909>		
	2. order=1	for EMAPA:28909	

Modified Component 811			
ID	EMAPA:27591	Is Group Term	false
Name	nephric duct, mes	onephric portion	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16744[mesonephros] EMAPA:28425[nephric duct group]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy	(EMAPA:0), mouse(	EMAPA:25765),

Modified Component 811				
	organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), nephric duct, mesonephric portion(EMAPA:27591)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct group(EMAPA:28425), nephric duct, mesonephric portion(EMAPA:27591)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), nephric duct, mesonephric portion(EMAPA:27591)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), nephric duct group(EMAPA:28425), nephric duct, mesonephric portion(EMAPA:27591)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28425>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry for EMAPA:16744>			
	3. order=5 order=1 for EMAPA	for EMAPA:16744 1:28425		

Modified Component 812				
ID	EMAPA:28120	Is Group Term	false	
Name	pelvic smooth mus	cle		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:17948[pelvi	s]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), pelvic smooth muscle(EMAPA:28120)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), pelvis(EMAPA:17948), pelvic smooth muscle(EMAPA:28120)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17948>			
	2. order=1	for EMAPA:17948		

Modified Component 813				
ID	EMAPA:27588	Is Group Term	false	
Name	mesonephric tubule			
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16744[mesonephros]			
Group Parents				

Modified Component 813					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric tubule(EMAPA:27588)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:16744>				
	2. order=4	for EMAPA:16744			

Modified Component 814					
ID	EMAPA:27581	Is Group Term	false		
Name	associated mesenc	hyme			
Starts At	TS17	Ends At	TS18		
Primary Parents	EMAPA:27573[cloac	a]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), cloaca(EMAPA:27573), associated mesenchyme(EMAPA:27581)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), cloaca(EMAPA:27573), associated mesenchyme(EMAPA:27581)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27573>				
	2. order=1	for EMAPA:27573			

ID	EMAPA:17382	Is Group Term	false	
Name	genital tubercle			
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17381[repro	ductive system]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referen This Component h	ced Component has as order entry <3	

Modified Componen	t 815				
	for EMAP	A:17381>			
	2.	order=3	for	EMAPA:17381	

Modified Component 816					
ID	EMAPA:27585	Is Group Term	false		
Name	mesonephric mesen	chyme			
Starts At	TS17	Ends At	TS18		
Primary Parents	EMAPA:16744[meson	ephros]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric mesenchyme(EMAPA:27585)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(EMAPA:16744), mesonephric mesenchyme(EMAPA:27585)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:16744>				
	2. order=3 for EMAPA:16744				

Modified Component 817					
ID	EMAPA:17381	Is Group Term	false		
Name	reproductive syst	em			
Starts At	TS19	Ends At	TS28		
Primary Parents	EMAPA:16245[visce	ral organ]			
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:16245>				
	2. order=2	for EMAPA:16245			

Modified Component 818				
ID	EMAPA:17380	Is Group Term	false	
Name	urorectal septum			
Starts At	TS19	Ends At	TS28	
Primary Parents	EMAPA:17366[urinary system]			
Group Parents				
Synonyms	[]			

Modified Component 818				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urorectal septum(EMAPA:17380)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urorectal septum(EMAPA:17380)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <17 for EMAPA:17366>			
	2. order=17	for EMAPA:17366	_	

Modified Component 819				
ID	EMAPA:17386	Is Group Term	false	
Name	primordial germ c	ell		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17383[gonad	.]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), primordial germ cell(EMAPA:17386)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), primordial germ cell(EMAPA:17386)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:17383>			
	2. order=2	for EMAPA:17383		

Modified Component 820					
ID	EMAPA:17385	Is Group Term	false		
Name	gonadal mesenchym	ie			
Starts At	TS19	Ends At	TS19		
Primary Parents	EMAPA:17383[gonad	[]			
Group Parents					
Synonyms	[mesenchyme]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), gonadal mesenchyme(EMAPA:17385)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17383>				

Modified Compo	nent 820	
	2.	order=1 for EMAPA:17383

Modified Component 821				
ID	EMAPA:17384	Is Group Term	false	
Name	coelomic epitheli	um		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:17383[gonad	.]		
Group Parents				
Synonyms	[germinal epithel	ium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), coelomic epithelium(EMAPA:17384)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383), coelomic epithelium(EMAPA:17384)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17383>			
	2. order=0	for EMAPA:17383		

Modified Component 822			
ID	EMAPA:17383	Is Group Term	false
Name	gonad		
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:17381[repro	ductive system]	
Group Parents			
Synonyms	[gonad primordium	1]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), gonad(EMAPA:17383)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17381>		
	2. order=1	for EMAPA:17381	

Modified Component 823				
ID	EMAPA:28114	Is Group Term	false	
Name	adventitia of ure	adventitia of ureter		
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA:17950[ureter]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 823				
	organ(EMAPA:16245	PA:16103), viscera 5), urinary system 50), adventitia of 14)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), adventitia of ureter(EMAPA:28114)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17950>			
	2. order=5	for EMAPA:17950		

Modified Component 824			
ID	EMAPA: 27577	Is Group Term	false
Name	cloacal epitheliu	m	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:27573[cload	a]	
Group Parents			
Synonyms	[distal urethral	epithelium]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), cloaca(EMAPA:27573), cloacal epithelium(EMAPA:27577)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), cloaca(EMAPA:27573), cloacal epithelium(EMAPA:27577)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA: 27573>		
	2. order=0	for EMAPA:27573	

Modified Component 825			
ID	EMAPA:18985	Is Group Term	false
Name	uterine horn		
Starts At	TS24	Ends At	TS27
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]
Group Parents			
Synonyms	[uterus]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), uterine horn(EMAPA:18985)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	

Modified Componen	t 825	
	2.	order=9 for EMAPA:17959

Modified Component 826			
ID	EMAPA:18984	Is Group Term	false
Name	oviduct		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:17959[femal	e reproductive sys	stem]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17959>		
	2. order=8	for EMAPA:17959	

Modified Component 827			
ID	EMAPA:18976	Is Group Term	false
Name	cortical renal tu	bule	
Starts At	TS22	Ends At	TS28
Primary Parents	EMAPA:28491[mature nephron] EMAPA:28527[late tubule] EMAPA:28445[stage IV immature nephron] EMAPA:17954[early nephron GROUP] EMAPA:28485[maturing nephron] EMAPA:17952[renal cortex] EMAPA:28506[developing capillary loop stage nephron GROUP]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976)]		
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795	2), developing cap UP(EMAPA:28506),	l (EMAPA:17366), pillary loop

## Modified Component 827

- 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976)]
- 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976)]
- 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976)]
- 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), cortical renal tubule(EMAPA:18976)]
- 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), cortical renal tubule(EMAPA:18976)]
- 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary loop stage nephron GROUP(EMAPA:28506), cortical renal tubule(EMAPA:18976)]
- 10. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), cortical renal tubule(EMAPA:18976)]
- 11. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976)]
- 12. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976)]
- 13. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976)]

Rule Status

PASSED

Edit Status

CHANGED

Comments

- 1. Different Order Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17954>
- 2. Different Order Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28491>
- 3. Different Order Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28445>

Modified Component 827			
	4. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28485>		
	5. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28506>		
	6. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28527>		
	7. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17952>		
	8. order=6 for EMAPA:17952 order=0 for EMAPA:17954 order=1 for EMAPA:28445 order=1 for EMAPA:28485 order=1 for EMAPA:28506 order=2 for EMAPA:28527 order=0 for EMAPA:28491		

Modified Component 828				
ID	EMAPA:18978	Is Group Term	false	
Name	cystic vesicular	appendage		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), cystic vesicular appendage(EMAPA:18978)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), cystic vesicular appendage(EMAPA:18978)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17959>			
	2. order=5	for EMAPA:17959		

Modified Component 829				
ID	EMAPA:18998	Is Group Term	false	
Name	urethral plate of	male		
Starts At	TS23	Ends At	TS24	
Primary Parents	EMAPA:17956[phall	ic urethra of male	e]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:17956), urethral plate of male(EMAPA:18998)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),			

Modified Component 829			
	visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), phallic urethra of male(EMAPA:1898)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17956>		
	2. order=4	for EMAPA:17956	

Modified Component 830				
ID	EMAPA:18999	Is Group Term	false	
Name	lower part of vag	ina		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:18986[vagin	a]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), lower part of vagina(EMAPA:18999)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18986>			
	2. order=0	for EMAPA:18986		

Modified Component 831				
ID	EMAPA:18995	Is Group Term	false	
Name	pelvic urethra of	male		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:18692[ureth	ra of male]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), urethra of male(EMAPA:18692), pelvic urethra of male(EMAPA:18995)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18692>			
	2. order=0	for EMAPA:18692		

Modified Component 832					
ID	EMAPA:18993	Is Group Term	false		
Name	efferent duct of	seminal vesicle			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:17968[male	reproductive syste	em]		
Group Parents					
Synonyms	[vasa efferentia]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), efferent duct of seminal vesicle(EMAPA:18993)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), efferent duct of seminal vesicle(EMAPA:18993)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17968>				
	2. order=11 for EMAPA:17968				

Modified Component 833				
ID	EMAPA:18988	Is Group Term	false	
Name	glans penis			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:18682[penis	]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), glans penis(EMAPA:18988)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), glans penis(EMAPA:18988)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18682>			
	2. order=0	for EMAPA:18682		

Modified Component 834				
ID	EMAPA:18989	Is Group Term	false	
Name	prepuce of male			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:18682[penis	]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738	1), male reproduc 8), penis(EMAPA:1	l tive	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of			
	male(EMAPA:18989)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), prepuce of male(EMAPA:18989)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18682>			
	2. order=2	for EMAPA:18682		

Modified Component 835					
ID	EMAPA:18986				
Name	vagina				
Starts At	TS24	Ends At	TS28		
Primary Parents	EMAPA:17959[femal	e reproductive sys	stem]		
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986)]				
Rule Status	PASSED Edit Status CHANGED				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17959>				
	2. order=11	for EMAPA:17959			

Modified Component 836				
ID	EMAPA:18987	Is Group Term	false	
Name	upper part of vag	ina		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:18986[vagin	a]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), upper part of vagina(EMAPA:18987)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18986>			
	2. order=1	for EMAPA:18986		

Modified Component 837				
ID	EMAPA:30088	Is Group Term	false	
Name	lamina propria of	the bladder		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:18321[bladd	er]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), lamina propria of the bladder(EMAPA:30088)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18321>			
	2. order=1 for EMAPA:18321			

Modified Component 838					
ID	EMAPA:31058	Is Group Term	true		
Name	ovigerous cord				
Starts At	TS24	Ends At	TS28		
Primary Parents					
Group Parents	EMAPA:17962[ovary]				
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral				

Modified Component 838				
		31), female reprod 59), ovary(EMAPA:1		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ovigerous cord(EMAPA:31058)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <17 for EMAPA:17962>			
	2. order=17	for EMAPA:17962		

Modified Component 839			
ID	EMAPA:29609	Is Group Term	false
Name	rest of mesentery		
Starts At	TS20	Ends At	TS28
Primary Parents	EMAPA:17367[mesen	tery]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), mesentery(EMAPA:17367), rest of mesentery(EMAPA:29609)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), mesentery(EMAPA:17367), rest of mesentery(EMAPA:29609)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17367>		
	2. order=0	for EMAPA:17367	

Modified Component 840			
ID	EMAPA:29605	Is Group Term	false
Name	coelomic vessel		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29603[vascu	lature of testis]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), vasculature of testis(EMAPA:29603), coelomic vessel(EMAPA:29605)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), vasculature of testis(EMAPA:29603), coelomic vessel(EMAPA:29605)]		

Modified Component 840			
Rule Status	PASSED	Edit Status	CHANGED
Comments		1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29603>	
	2. order=0	for EMAPA:29603	

Modified Component 841			
ID	EMAPA:29607	Is Group Term	false
Name	interstitial vess	el	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29603[vascu	lature of testis]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), vasculature of testis(EMAPA:29603), interstitial vessel(EMAPA:29607)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), vasculature of testis(EMAPA:29603), interstitial vessel(EMAPA:29607)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	
	2. order=1	for EMAPA:29603	_

TD	EMAPA: 29603	Is Group Term	false	
10			Laise	
Name	vasculature of t	estis		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:17972[test	is]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), vasculature of testis(EMAPA:29603)]		
Alternate Paths	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), vasculature of testis(EMAPA:29603)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17972>		
	2. order=1	1 for EMAPA:179	72	

Modified Componer	nt 843		
ID	EMAPA:30051	Is Group Term	false
Name	circular muscle l	ayer of rest of o	viduct
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30049[muscl	e layer of rest o	f oviduct]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), muscle layer of rest of oviduct(EMAPA:30049), circular muscle layer of rest of oviduct(EMAPA:30051)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), muscle layer of rest of oviduct(EMAPA:30049), circular muscle layer of rest of oviduct(EMAPA:30051)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h	
	2. order=1	for EMAPA:30049	

	TNA DA • 21 0 21		E - 1	
ID	EMAPA:31021	Is Group Term	false	
Name	bend			
Starts At	TS22	Ends At	TS24	
Primary Parents	EMAPA:28049[i EMAPA:31414[m	mmature loop of H edullary renal tu	enle] bule]	
Group Parents				
Synonyms	[U-turn]			
Primary Path	organ system( organ(EMAPA:1 metanephros(E medulla(EMAPA	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), bend(EMAPA:31021)]		
Alternate Paths	organ system( organ(EMAPA:1 metanephros(E nephron(EMAPA Henle(EMAPA:2	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414), bend(EMAPA:31021)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), bend(EMAPA:31021)]			
	organ system( organ(EMAPA:1 metanephros(E medulla(EMAPA Henle(EMAPA:2	anatomy(EMAPA:0), EMAPA:16103), vis 6245), urinary sy MAPA:17373), rena :19279), immature 8049), medullary 31414), bend(EMAP	ceral stem(EMAPA:17366) l loop of renal	
l	4 [Abstract	anatomy(EMAPA:0),	mouse/FMADA:2576	55)

Modified Component 844			
	visceral organ(EM system(EMAPA:1736 stage IV immature loop of Henle(EMA	39), organ system(I MAPA:16245), urina 56), metanephros(EN e nephron(EMAPA:28 APA:28049), medulla 4), bend(EMAPA:310	ry MAPA:17373), 445), immature ary renal
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 stage IV immature	comy(EMAPA:0), mous 89), organ system(I MAPA:16245), urina 66), metanephros(EN e nephron(EMAPA:284 APA:28049), bend(EN	EMAPA:16103), ry MAPA:17373), 145), immature
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA Henle(EMAPA:28049	comy(EMAPA:0), mous 39), organ system(I MAPA:16245), urina 56), metanephros(EMAPA:19279), immatus 0), medullary rena 44), bend(EMAPA:310	EMAPA:16103), CY MAPA:17373), Ce loop of L
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA	comy(EMAPA:0), mous 39), organ system(I MAPA:16245), urina 56), metanephros(EN APA:19279), immatus 3), bend(EMAPA:3102	EMAPA:16103),  TY  MAPA:17373),  Te loop of
Rule Status	PASSED	Edit Status	CHANGED
Comments		nt Order - Reference This Component ha	
		nt Order - Reference This Component ha	
	3. order=1 order=1 for EMAPA	for EMAPA:28049 A:31414	

Modified Component 845			
ID	EMAPA:30991	Is Group Term	true
Name	epithelium of vag	ina	
Starts At	TS24	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:18986[vagin	a]	
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), epithelium of vagina(EMAPA:30991)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18986>		
	2. order=3	for EMAPA:18986	

Modified Component 846			
ID	EMAPA:30043	Is Group Term	false
Name	renal medullary capillary		

Modified Compor	ment 846
Starts At	TS23 Ends At TS28
Primary Parents	EMAPA:31469[small blood vessels] EMAPA:28457[renal vasculature] EMAPA:28157[renal medullary vasculature] EMAPA:31443[renal capillaries]
Group Parents	
Synonyms	[vasa recta]
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary vasculature(EMAPA:28157), renal medullary capillary(EMAPA:30043)]
Alternate Paths	<pre>1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal medullary capillary(EMAPA:30043)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal medullary capillary(EMAPA:30043)]</pre>
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal medullary capillary(EMAPA:30043)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal capillaries(EMAPA:31443), renal medullary capillary(EMAPA:30043)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal medullary capillary(EMAPA:30043)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), renal medullary capillary(EMAPA:30043)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal medullary capillary(EMAPA:30043)]
	8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal capillaries(EMAPA:31443), renal medullary capillary(EMAPA:30043)]
	9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary vasculature(EMAPA:28157), renal medullary capillary(EMAPA:30043)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2

Modified Component 846		
	for EMAPA:28157>	
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:31443>	
	3. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:31469>	
	4. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:28457>	
	5. order=2 for EMAPA:28157 order=9 for EMAPA:28457 order=2 for EMAPA:31443 order=6 for EMAPA:31469	

Modified Component 847				
ID	EMAPA:31025	Is Group Term	false	
Name	meiotic oocytes		-	
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:31058[ovige	rous cord] EMAPA:	17962[ovary]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), meiotic oocytes(EMAPA:31025)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ovigerous cord(EMAPA:31058), meiotic oocytes(EMAPA:31025)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ovigerous cord(EMAPA:31058), meiotic oocytes(EMAPA:31025)]  3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), meiotic oocytes(EMAPA:31025)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31058>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:17962>			
	3. order=4 for EMAPA:17962 order=0 for EMAPA:31058			

Modified Component 848				
ID	EMAPA: 30997 Is Group Term true			
Name	muscular layer of vagina			
Starts At	TS24 Ends At TS28			
Primary Parents				

Modified Component 848				
Group Parents	EMAPA:18986[vagina]			
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), muscular layer of vagina(EMAPA:30997)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), vagina(EMAPA:18986), muscular layer of vagina(EMAPA:30997)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:18986>			
	2. order=4 for EMAPA:18986			

Modified Component 849				
ID	EMAPA:30049	Is Group Term	false	
Name	muscle layer of r	est of oviduct		
Starts At	TS28 Ends At TS28			
Primary Parents	EMAPA:29905[rest	of oviduct]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), muscle layer of rest of oviduct(EMAPA:30049)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), muscle layer of rest of oviduct(EMAPA:30049)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29905>			
	2. order=1 for EMAPA:29905			

Modified Component 850				
ID	EMAPA:30057	Is Group Term	false	
Name	longitudinal musc	le layer of ductus	s deferens	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29270[muscle layer of ductus deferens]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270),			

ſ

Modified Component 850				
	longitudinal muscle layer of ductus deferens(EMAPA:30057)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270), longitudinal muscle layer of ductus deferens(EMAPA:30057)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270), longitudinal muscle layer of ductus deferens(EMAPA:30057)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270), longitudinal muscle layer of ductus deferens(EMAPA:30057)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29270>			
	2. order=1 for EMAPA:29270			

Modified Component 851				
ID	EMAPA:30053	Is Group Term	false	
Name	longitudinal musc	le layer of rest	of oviduct	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30049[muscl	e layer of rest o	f oviduct]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), muscle layer of rest of oviduct(EMAPA:30049), longitudinal muscle layer of rest of oviduct(EMAPA:30053)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), oviduct(EMAPA:18984), rest of oviduct(EMAPA:29905), muscle layer of rest of oviduct(EMAPA:30049), longitudinal muscle layer of rest of oviduct(EMAPA:30053)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30049>			
	2. order=0	for EMAPA:30049		

Modified Component 852			

Modified Component 852				
ID	EMAPA:30055	Is Group Term	false	
Name	circular muscle layer of ductus deferens			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29270[muscl	e layer of ductus	deferens]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270), circular muscle layer of ductus deferens(EMAPA:30055)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270), circular muscle layer of ductus deferens(EMAPA:30055)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270), circular muscle layer of ductus deferens(EMAPA:29270), circular muscle layer of ductus deferens(EMAPA:30055)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male associated reproductive structure(EMAPA:28533), ductus deferens(EMAPA:18681), muscle layer of ductus deferens(EMAPA:29270), circular muscle layer of ductus deferens(EMAPA:30055)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29270>			
	2. order=0 for EMAPA:29270			

Modified Component 853				
ID	EMAPA:31017	Is Group Term	false	
Name	straight limb			
Starts At	TS22	Ends At	TS24	
Primary Parents	EMAPA:31414[medullary renal tubule] EMAPA:28049[immature loop of Henle]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), straight limb(EMAPA:31017)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of			

Modified Componer	nt 853
	Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414), straight limb(EMAPA:31017)]
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), straight limb(EMAPA:31017)]
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414), straight limb(EMAPA:31017)]
	4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:173766), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414), straight limb(EMAPA:31017)]
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), straight limb(EMAPA:31017)]
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:173766), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414), straight limb(EMAPA:31017)]
	7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), straight limb(EMAPA:31017)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28049>
	2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31414>
	3. order=0 for EMAPA:28049 order=0 for EMAPA:31414

Modified Component 854				
ID	EMAPA: 30984   Is Group Term   true			
Name	female external g	enitalia		
Starts At	TS23	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:17959[femal	e reproductive sys	stem]	
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984)]			
Alternate Paths		omy(EMAPA:0), mou: 9), organ system(1		

Modified Component 854			
	system(EMAPA:1738	APA:16245), reprodu 1), female reprodu 9), female externa 0984)]	uctive
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <19 for EMAPA:17959>		
	2. order=19	for EMAPA:17959	

Modified Component 855				
ID	EMAPA:19279	Is Group Term	false	
Name	renal medulla			
Starts At	TS22 Ends At TS28			
Primary Parents	EMAPA:17373[metan	ephros]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <17 for EMAPA:17373>			
	2. order=17	for EMAPA:17373		

Modified Component 856			
ID	EMAPA:30072	Is Group Term	false
Name	mesenchyme of par portion	amesonephric duct	, mesonephric
Starts At	TS23	Ends At	TS23
Primary Parents	EMAPA:28937[param mesonephric porti	esonephric duct of on]	f female,
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), paramesonephric duct of female, mesonephric portion(EMAPA:28937), mesenchyme of paramesonephric duct, mesonephric portion(EMAPA:30072)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), paramesonephric duct of female, mesonephric portion(EMAPA:28937), mesenchyme of paramesonephric duct, mesonephric portion(EMAPA:30072)]		
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 856		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28937>	
	2. order=1 for EMAPA:28937	

Modified Component 857			
ID	EMAPA:30070	Is Group Term	false
Name	epithelium of par portion	amesonephric duct	, mesonephric
Starts At	TS23	Ends At	TS23
Primary Parents	EMAPA:28937[param mesonephric porti	esonephric duct o	f female,
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), paramesonephric duct of female, mesonephric portion(EMAPA:28937), epithelium of paramesonephric duct, mesonephric portion(EMAPA:30070)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), mesonephros of female(EMAPA:28909), paramesonephric duct of female, mesonephric portion(EMAPA:28937), epithelium of paramesonephric duct, mesonephric portion(EMAPA:30070)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28937>		
	2. order=0	for EMAPA:28937	

Modified Component 858			
ID	EMAPA:19285	Is Group Term	false
Name	male accessory gl	and	
Starts At	TS26	Ends At	TS28
Primary Parents	EMAPA:17968[male	reproductive syst	em]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referen This Component h 68>	

Modified Component	t 858				
	2.	order=17	for	EMAPA:17968	

Modified Component 859				
ID	EMAPA:19284   Is Group Term   false			
Name	primary follicle			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:17962[ovary	.]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primary follicle(EMAPA:19284)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), primary follicle(EMAPA:19284)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17962>			
	2. order=6	for EMAPA:17962		

Modified Component 860					
ID	EMAPA:31045	EMAPA:31045   Is Group Term   false			
Name	ureteric tree ter	rminal branch excl	uding tip itself		
Starts At	TS21	Ends At	TS28		
Primary Parents	EMAPA: 28407[colle EMAPA: 27721[nephr				
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA zone(EMAPA:27721)	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), ureteric tree terminal branch excluding tip itself(EMAPA:31045)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric tree terminal branch excluding tip itself(EMAPA:31045)]				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), nephrogenic zone(EMAPA:27721), ureteric tree terminal branch excluding tip itself(EMAPA:31045)]				
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), collecting duct(EMAPA:28407), ureteric tree terminal branch excluding tip itself(EMAPA:31045)]				
Rule Status	PASSED	Edit Status	CHANGED		

Modified Component 860		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28407>	
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:27721>	
	3. order=4 for EMAPA:27721 order=1 for EMAPA:28407	

Modified Componen	t 861			
ID	EMAPA:30068	Is Group Term	false	
Name	cranial suspensor	y ligament		
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:17968[male	reproductive syst	em]	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), cranial suspensory ligament(EMAPA:30068)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), cranial suspensory ligament(EMAPA:30068)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17968>			
	2. order=6	for EMAPA:17968		

Modified Component 862				
ID	EMAPA:19280	Is Group Term	true	
Name	Loop of Henle gro	up		
Starts At	TS25	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:28491[matur medulla]	e nephron] EMAPA:	19279[renal	
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280)]			

Modified Component 862					
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28491>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:19279>				
	3. order=1		for EMAPA:192 :28491	279	

Modified Component 863				
ID	EMAPA:19287	Is Group Term	false	
Name	prostate gland			
Starts At	TS26	Ends At	TS28	
Primary Parents	EMAPA:19285[male	accessory gland]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19285>			
	2. order=1 for EMAPA:19285			

Modified Component 864				
ID	EMAPA:19286	Is Group Term	false	
Name	bulbourethral gla	nd		
Starts At	TS26	Ends At	TS28	
Primary Parents	EMAPA:19285[male	accessory gland]		
Group Parents				
Synonyms	[Cowper's gland]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), bulbourethral gland(EMAPA:19286)]			
Alternate Paths	visceral organ(EM system(EMAPA:1738	9), organ system(	EMAPA:16103), ductive tive	

Modified Component 864				
	gland(EMAPA:19285 gland(EMAPA:19286			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differen no order entries; for EMAPA:19285>	t Order - Referend This Component ha		
	2. order=0	for EMAPA:19285		

Modified Component 865				
ID	EMAPA:19289	Is Group Term	false	
Name	tunica albuginea	of testis		
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:17972[testi	s]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), tunica albuginea of testis(EMAPA:19289)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), testis(EMAPA:17972), tunica albuginea of testis(EMAPA:19289)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17972>			
	2. order=9	for EMAPA:17972		

Modified Component 866				
ID	EMAPA:30977	Is Group Term	true	
Name	male external gen	italia		
Starts At	TS23	Ends At	TS28	
Primary Parents				
Group Parents	EMAPA:17968[male	reproductive syste	em]	
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <25 for EMAPA:17968>			
	2. order=25	for EMAPA:17968		

Modified Component 867				
ID	EMAPA:31040	Is Group Term	false	
Name	rest of cortical ovary	component of mese	nchymal stroma of	
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:29009[cortistroma]	cal component of	mesenchymal	
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), cortical component of mesenchymal stroma(EMAPA:29009), rest of cortical component of mesenchymal stroma of ovary(EMAPA:31040)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), cortical component of mesenchymal stroma(EMAPA:29009), rest of cortical component of mesenchymal stroma of ovary(EMAPA:31040)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29009>			
	2. order=0	for EMAPA:29009		

Modified Component 868				
ID	EMAPA:30081	Is Group Term	false	
Name	epithelium of nec	k		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:28601[epith	elium of bladder]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601), epithelium of neck(EMAPA:30081)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), bladder(EMAPA:18321), epithelium of bladder(EMAPA:28601), epithelium of neck(EMAPA:30081)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28601>			
	2. order=2	for EMAPA:28601		

Modified Component 869					
ID	EMAPA:19296	Is Group Term	false		

Modified Component 869				
Name	scrotum			
Starts At	TS28	Ends At	TS28	
Primary Parents		reproductive syst external genitali		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738	r(EMAPA:0), mouse( PA:16103), viscera b), reproductive c1), male reproduc s8), scrotum(EMAPA	l tive	
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296)]			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), scrotum(EMAPA:19296)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <24 for EMAPA:17968>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:30977>			
	3. order=24 order=4 for EMAPA	for EMAPA:17968 3:30977		

Modified Component 870			
ID	EMAPA:31035	Is Group Term	false
Name	pre-granulosa cel	1	
Starts At	TS24	Ends At	TS27
Primary Parents		cal component of a 58[ovigerous cord	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), cortical component of mesenchymal stroma(EMAPA:29009), pregranulosa cell(EMAPA:31035)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ovigerous cord(EMAPA:31058), pre-granulosa cell(EMAPA:31035)]		
	embryo(EMAPA:1603 visceral organ(EM	omy(EMAPA:0), mous 9), organ system(1 APA:16245), reprod 1), female reprod	EMAPA:16103), ductive

Modified Component 870			
	system(EMAPA:17959), ovary(EMAPA:17962), mesenchymal stroma of ovary(EMAPA:28880), cortical component of mesenchymal stroma(EMAPA:29009), pregranulosa cell(EMAPA:31035)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ovigerous cord(EMAPA:31058), pre-granulosa cell(EMAPA:31035)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29009>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31058>		
	3. order=1 order=1 for EMAPA	for EMAPA:29009 :31058	

Modified Component 871			
ID	EMAPA:30074	Is Group Term	false
Name	genital swelling		
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16367[genit	ourinary system]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), genital swelling(EMAPA:30074)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), genital swelling(EMAPA:30074)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <16 for EMAPA:16367>		
	2. order=16	for EMAPA:16367	

Modified Component 872			
ID	EMAPA:30077	Is Group Term	false
Name	dorsal genital sw	elling	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:17382[genit	al tubercle]	
Group Parents			
Synonyms	[dorsal genital t	ubercle]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382), dorsal genital swelling(EMAPA:30077)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382), dorsal genital swelling(EMAPA:30077)]		
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 872			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17382>		
	2. order=0 for EMAPA:17382		

Modified Component 873			
ID	EMAPA:19294	Is Group Term	false
Name	crus penis	crus penis	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:18682[peni:	3]	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMA) organ(EMAPA:1624 system(EMAPA:173	81), male reproduc 68), penis(EMAPA:1	al ctive
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294)]  2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive		
		68), penis(EMAPA:1	
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18682>		
	2. order=1	for EMAPA:18682	

Modified Component 874			
ID	EMAPA:19293	Is Group Term	false
Name	corpus epididymis		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:19290[epidi	dymis]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), corpus epididymis(EMAPA:19293)]		
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM	omy(EMAPA:0), mou 9), organ system( APA:16245), reproduc 1), male reproduc	EMAPA:16103), ductive

Modified Component 874			
	system(EMAPA:17968), epididymis(EMAPA:19290), corpus epididymis(EMAPA:19293)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19290>		
	2. order=2	for EMAPA:19290	

Modified Component 875			
ID	EMAPA:30079	Is Group Term	false
Name	ventrolateral gen	ital swelling	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:17382[genit	al tubercle]	
Group Parents			
Synonyms	[ventrolateral ge	nital tubercle]	
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382), ventrolateral genital swelling(EMAPA:30079)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), genital tubercle(EMAPA:17382), ventrolateral genital swelling(EMAPA:30079)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments			ced Component has as order entry <1
	2. order=1	for EMAPA:17382	

Modified Component 876			
ID	EMAPA:19292	Is Group Term	false
Name	cauda epididymis		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:19290[epidi	dymis]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19290>		
	2. order=1	for EMAPA:19290	

Modified Component 877			
ID	EMAPA:19291	Is Group Term	false
Name	caput epididymis		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:19290[epidi	dymis]	
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19290>		
	2. order=0	for EMAPA:19290	

Modified Component 878			
ID	EMAPA:19290	Is Group Term	false
Name	epididymis		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA:17968[male	reproductive syst	em]
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		This Component h	ced Component has as order entry
	2. order=12	for EMAPA:17968	

Modified Component 879					
ID	EMAPA:30965	Is Group Term	false		
Name	glomerular basement membrane				
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA:27949[maturing glomerular tuft]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366),				

## Modified Component 879 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA: 27949), glomerular basement membrane(EMAPA:30965)] 1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), Alternate Paths organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature mephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527) maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)] [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17373), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)] 6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1752), maturing renal corpuscle(EMAPA: 27943), maturing glomerular tuft(EMAPA: 27949), glomerular basement membrane(EMAPA:30965)1 7. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)] 8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular basement tuft(EMAPA: 27949), glomerular basement membrane(EMAPA: 30965)] 9. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary

system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), maturing renal

Modified Component 879						
	tuft(EMAPA: 279	corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)]				
Rule Status	PASSED	Edit Status	CHANGED			
Comments	no order entri	1. Different Order - Referenced Compono order entries; This Component has order for EMAPA:27949>				
	2. order	=3 for EMAPA:279	49			

## DELETED COMPONENTS

Total Deleted Components: 1

1. EMAPA:31581 - developing vasculature of genitourinary system GROUP

## DETAILS:

Deleted Components 1					
ID -	EMAPA:31581	Is Group Term	false		
Name	developing vascu	developing vasculature of genitourinary system GROUP			
Starts At		Ends At			
Primary Parents					
Group Parents					
Synonyms	[]	[]			
Primary Path	[N/A]	[N/A]			
Alternate Paths					
Rule Status	PASSED	Edit Status	DELETED		
Comments		OBO File and can be scheduled for deletion in			
	2. INFO: Obsolete Term				

## APPENDIX

NEW terms = Terms that did not exist in the original file/database.
MODIFIED terms = Terms that have a changed property.
DELETED terms = Terms that exist in the original file/database but are no longer in the current file. CRITICAL terms = Terms that require revision.