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

^{*}Failed: Some of the component's properties require revision by editor

CRITICAL COMPONENTS: REQUIRE REVISION

Total Critical Components: 0

^{**}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 Comments for EMAPA:18976> order=0 for EMAPA:18976

Modified Component 16			
ID	EMAPA:29130	Is Group Term	false
Name	interstitial vess	el	
Starts At	TS20	Ends At	TS27
Primary Parents	EMAPA:29114[devel	oping vasculature	of the testis]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	1), male reproduct 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:17373[metan GROUP]	ephros] EMAPA:179	54[early nephron
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:17646[prim: EMAPA:31562[neph:	itive collecting d cogenic zone GROUP	uct]]
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	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17646>		
	2. order=0	for EMAPA:17646	

Modified Component 37				
ID	EMAPA: 27690	Is Group Term	false	
Name	renal interstition	ım		
Starts At	TS20	Ends At	TS21	
Primary Parents	EMAPA: 28518[renal EMAPA: 17373[metar	l interstitium gro nephros]	up]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAI 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), renal interstitium(EMAPA:27690)]		
Alternate Paths	organ system(EMAI organ(EMAPA:1624 metanephros(EMAPA 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:1603 visceral organ(EM system(EMAPA:1736	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)]		
	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)]			

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		
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	resident macrophages		
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	PA:27690), residen	l (EMAPA:17366),	
Alternate Paths	organ system(EMA: organ(EMAPA:1624 metanephros(EMAP, group(EMAPA:2851 interstitium(EMA) macrophages(EMAP)	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[epith vagina]	elial layer of upp	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), 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 interstitium fibroblasts(EMAPA organ(EMAPA organ(EMAPA:1736 renal interstitium fibroblasts(EMAPA organ(EMAPA:1736 renal interstitium fibroblasts(EMAPA organ(EMAPA organ(EMAPA:1736 renal interstitium fibroblasts(EMAPA organ(EMAPA organ(EMAPA organ(EMAPA:1736 renal interstitium fibroblasts(EMAPA organ(EMAPA organ(EMAPA organ(EMAPA:1736 organ(EMA	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 epithelium 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[meson	ephros 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		omy(EMAPA:0), mou 9), organ system(

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				CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:29138>				
	2. Different Synonyms - Referenced Component EMAPA:29161 has synonyms [Müllerian duct, Mllerian duct]				
	3. or	der=5	for EMAPA:29	138	

Modified Component 46				
ID	EMAPA:29167	Is Group Term	false	
Name	genital tubercle	genital tubercle mesenchyme of male		
Starts At	TS20	Ends At	TS20	
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	[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(FMAPA:29167)]		
Alternate Paths	organ system(EMA) organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 structure(EMAPA: 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), genital tubercle mesenchyme of male(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 of male(EMAPA:29167)]		
	organ system(EMAP organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA: 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), genital tubercle mesenchyme of male(EMAPA:29167)]			
	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 mesenchyme of male(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	

Modified Component 46				
Comments	1. Different End Stage - Referenced Component EMAPA: 29167 has End Stage [TS21]			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17969>			
	3. order=1 for EMAPA:17969			

Modified Compor	EMAPA: 31281	Is Group Term	false	
Name	anlage of loop		Taise	
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA: 31571[coi	rtical renal tubu	ule of capillary loop cical renal tubule]	
Group Parents				
Synonyms	[primitive loop	of Henle]		
Primary Path	organ system(EN 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), anlage of loop of		
Alternate Paths	organ system(EN organ(EMAPA:162 metanephros(EMAPA:2 nephron(EMAPA:2	Henle(EMAPA:31281)] 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), anlage of loop of		
	organ system(EN organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:18 capillary loop	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), anlage of loop of Henle(EMAPA:31281)]		
	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: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), anlage of loop of Henle(EMAPA:31281)]			
	organ system(EN organ(EMAPA:162 metanephros(EMAPA:17 stage nephron (tubule(EMAPA:18	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), anlage of loop of Henle(EMAPA:31281)]		
	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), anlage of loop of Henle(EMAPA:31281)]			

Modified Component 47

- 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), 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)]

Modified Component 47					
	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), 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 Componen	nt 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[uterine 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)]			

Modified Component 49				
Alternate Paths	embryo(E visceral system(E system(E	MAPA:1603 organ(EM MAPA:1738 MAPA:1795	comy(EMAPA:0), mou 19), organ system(1APA:16245), reprod 1), female reprod 19), uterine horn(10), erine horn(EMAPA:	(EMAPA:16103), oductive luctive (EMAPA:18985),
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	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)]				

Modified Component 51				
	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)]			
	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 Componen			I	
ID	EMAPA: 29937	Is Group Term	false	
Name	rest of epithelia	l layer of lower	vagina	
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)]			
	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), rest of epithelial layer of lower vagina(EMAPA:29937)]			
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				
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	organ system(EMAP organ(EMAPA:16245	omy(EMAPA:0), mou A:16103), viscera), reproductive 1), female reprod	1		

Modified Component 54					
	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), 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)]				
	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), adventitia of lower part of vagina(EMAPA:29939)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments			nced Component has has order entry <0		
	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 3:31003			

Modified Component 55				
ID	EMAPA:29170	Is Group Term	false	
Name	genital tubercle	surface epitheliu	m of male	
Starts At	TS20	Ends At	TS20	
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 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	organ system(EMA: organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 structure(EMAPA: 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), 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)]			
	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 surface epithelium of male(EMAPA:29170)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765) embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 55					
	system(EMAPA:17381), male reproductive system(EMAPA:17968), genital tubercle of male(EMAPA:17969), genital tubercle surface epithelium of male(EMAPA:29170)]				
	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	Ec	dit Status		CHANGED
Comments	1. Different End Stage - Referenced Component EMAPA: 29170 has End Stage [TS21]				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:17969>				
	3.	order=0 fo	or EMAPA:179	69	

Modified Component 56				
ID	EMAPA:29173	Is Group Term	false	
Name	nephric duct of m	ale, rest of		
Starts At	TS20 Ends At TS23			
Primary Parents	EMAPA:17968[male	reproductive syste	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 anat	omy(EMAPA:0), mou	se(EMAPA:25765),	

Γ

Modified Component 57				
	<pre>visceral orga system(EMAPA: system(EMAPA:</pre>	16039), organ system(1 n(EMAPA:16245), reproduct 17381), male reproduct 17968), nephric duct 3), mesenchyme of rest :29177)]	ductive tive of male, rest	
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. orde	r=1 for EMAPA:29173		

Г

Modified Component 58						
ID	EMAPA:29941	Is Group Term	false			
Name	gland of upper va	gland of upper vaginal epithelium				
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:29052[epith	nelial 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 laye of upper part of vagina(EMAPA:29052), gland of upper vaginal epithelium(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 glans penis			
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:18988[glans penis]			

Modified Component 59					
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), 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	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), 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			
		8), male external 0977), genital tul , prepuce of male		

Modified Component 60					
	preputial gland(EMAPA:30640)]				
	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), preputial gland(EMAPA:30640)]				
	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), preputial gland(EMAPA:30640)]				
	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 Compone	Modified Component 61					
ID	EMAPA:29964	Is Group Term	false			
Name	endothelial layer	of renal vein				
Starts At	TS23	Ends At	TS28			
Primary Parents	EMAPA:28376[renal	vein]				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAF organ(EMAPA:16245 renal vein(EMAPA:	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vein(EMAPA:28376), endothelial layer of renal vein(EMAPA:29964)]				
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), 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:29964)]					
	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)]					

Modified Component 61					
	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), 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:283	376	

Modified Component 62						
ID	EMAPA:30646	Is Group Term	false			
Name	surface epitheli	um of glans penis				
Starts At	TS25	Ends At	TS27			
Primary Parents	EMAPA:18988[glans	s penis]				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMA) organ(EMAPA:1624! system(EMAPA:1738 system(EMAPA:1798) 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), 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:18988				

Modified Component 63				
ID	EMAPA:29148	Is Group Term	false	
Name	mesonephric tubul	mesonephric tubule of male		
Starts At	TS20	Ends At	TS22	
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), 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[meson	EMAPA:29138[mesonephros of male]		

Modified Component 65			
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 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	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31264>			
	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[muscle layer of infundibulum]			
Group Parents				
Synonyms	[]			
Primary Path		[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral		

Modified Component 67				
	system(EMAPA:1795 infundibulum(EMAP	1), female reprod 59), oviduct(EMAPA 2A:29897), muscle 2A:31264), circula	: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				
EMAPA:30650	Is Group Term	false		
prepuce mesenchym	e of male			
TS25	Ends At	TS27		
EMAPA:18989[prepu	ce of male]			
[1]				
system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:18682), prepuce of male(EMAPA:18989), prepuce mesenchyme of				
	EMAPA:30650 prepuce mesenchym TS25 EMAPA:18989[prepu [] [Abstract anatomy organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1738 system(EMAPA:1796 male(EMAPA:18989)	EMAPA:30650 Is Group Term prepuce mesenchyme of male TS25 Ends At EMAPA:18989[prepuce of male] [] [Abstract anatomy(EMAPA:0), mouse(sorgan system(EMAPA:16103), visceratorgan(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), penis(EMAPA:1		

Modified Component 69				
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 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.	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				

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 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 Componen	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 ormale(EMAPA:18989), preputial gland of male(EMAPA:30659)]		
	3. [Abstract anat	.omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Componen	t 72		
	visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 genitalia(EMAPA:3	9), organ system(1) (APA:16245), reproduction in the system of the syst	ductive tive A:18682), prepuce
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 Compor	nent 73			
ID	EMAPA:31270	Is Group Term	false	
Name	nephrogenic in	terstitium	,	
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 interstitium(E	[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), nephrogenic interstitium(EMAPA:31270)]		
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)]		ceral stem(EMAPA:17366), interstitium	
	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)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 nephrogenic zo	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 renal intersti	.6039), organ syst (EMAPA:16245), ur .7366), metanephro .tium group(EMAPA: EMAPA:27690), neph	rinary os(EMAPA:17373), 28518), renal	
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:2769	90	

Modified Componer	nt 74		
		1	1
ID	EMAPA:29158	Is Group Term	false
Name	paramesonephric d	luct of male, meson	nephric portion
Starts At	TS20	Ends At	TS21
Primary Parents	EMAPA:29138[meson	nephros of male]	
Group Parents			
Synonyms	[mesonephric port male]	cion 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. Different Synonyms - Referenced Component EMAPA:29158 has synonyms [mesonephric portion of male, Müllerian duct of male, Mllerian duct of male]		
	3. order=4	for EMAPA:29138	

Modified Componer	nt 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		

Modified Component 76			
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:28069[devel	oping vasculature	of medulla]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192	(EMAPA:0), mouse(FA:16103), visceral), urinary system(:17373), renal 79), developing va69), capillary(EMA	EMAPA:17366),
Alternate Paths	organ system(EMAP organ(EMAPA:16245 developing vascul GROUP(EMAPA:31563	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)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 vasculature(EMAPA	omy(EMAPA:0), mous 9), organ system(I APA:16245), urinar 6), renal :28457), developir 69), capillary(EMA	EMAPA:16103), EY ng vasculature of
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA	omy(EMAPA:0), mous 9), organ system(I APA:16245), urinar 6), metanephros(EM PA:19279), develor 28069), capillary	EMAPA:16103), TY MAPA:17373), Ding vasculature
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referenc This Component ha	
	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, segment 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 anat organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera	

Modified Component 77			
	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 tubule(EMAPA:28862)]		
	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), proximal straight tubule(EMAPA:28862)]		
	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), proximal straight tubule(EMAPA:28862)]		
	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 Componen	t 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)]		
	organ system(EMAP organ(EMAPA:16245	omy(EMAPA:0), mou A:16103), viscera), urinary system (EMAPA:28457), de	l (EMAPA:17366),

Modified Componen	t 78		
	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 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. order=1 for EMAPA:28069		

Modified Component 79					
ID	EMAPA:28071	Is Group Term	false		
Name	arterial				
Starts At	TS22	Ends At	TS22		
Primary Parents	EMAPA:28069[d	leveloping vascula	ture of medul	la]	
Group Parents					
Synonyms	[]				
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), developing vasculature of medulla(EMAPA:28069), arterial(EMAPA:28071)]			
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)]				
	organ system(organ(EMAPA:1 renal vasculature o	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)]				
	embryo(EMAPA: visceral orga system(EMAPA: vasculature(E	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)]			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),				

Modified Component 79					
	<pre>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), arterial(EMAPA:28071)]</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: 28069>				
	2. orde	er=0 for EMAPA:28	069		

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 urethr	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>			

Modified Componer	nt 81	
	2.	order=0 for EMAPA:17956

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 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), 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	Ends At	TS28	
Primary Parents	EMAPA:28844[ureteral smooth muscle layer]			
Group Parents				

Modified Component 84				
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 layer(EMAPA:28844), interstitium(EMAPA: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 inters	stitium			
Starts At	TS22	Ends At	TS28		
Primary Parents	EMAPA:17948[pelvgroup]	ris] EMAPA:28518[re	enal interstitium		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAE	[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)]			
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)]				
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 renal interstiti	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=1 order=2 for EMAI	0 for EMAPA:28518 PA:17948			

Modified Component 86				
ID EMAPA: 28844 Is Group Term false				
Name ureteral smooth muscle layer				

Modified Component 86				
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), 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	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)]			

Modified Component 88					
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)]				
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:1796	52	

Modified Componer	EMAPA: 28069	Ta Garage Masses	false	
ID	developing vascul	Is Group Term	laise	
Name	1	1	mann.	
Starts At	TS22	Ends At	TS22	
Primary Parents	EMAPA:28457[renal	. vasculature] EMA	PA:19279[renal	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA	279), developing v	l (EMAPA:17366),	
Alternate Paths	organ system(EMAF organ(EMAPA:16245 developing vascul GROUP(EMAPA:31563	comy(EMAPA:0), mou PA:16103), viscera b), urinary system ature of urinary b), renal vasculat ature of medulla(l (EMAPA:17366), system ure(EMAPA:28457),	
	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)]			
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2 embryo(EMAPA:16039), organ system(EMAPA:1610 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), developing vasculature urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), developing vasculature(EMAPA:28069)]			
	se(EMAPA:25765), EMAPA:16103), ry ng vasculature of			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736	comy(EMAPA:0), mou 19), organ system(1APA:16245), urina 16), metanephros(E 1APA:19279), develor 28069)]	EMAPA:16103), ry MAPA:17373),	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component no order entries; This Component has order entries for EMAPA:19279>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:28457>			
	3. order=8 order=3 for EMAPA	for EMAPA:28457 A:19279		

Modified Compon	ent 90			
ID	EMAPA:28061	Is Group Term	false	
Name	medullary colle	medullary collecting duct		
Starts At	TS22	Ends At	TS24	
Primary Parents	EMAPA:19279[rentrunk]	EMAPA:19279[renal medulla] EMAPA:28494[ureteric trunk]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA	PA:17373), renal 9279), medullary	eral tem(EMAPA:17366),	
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMA	APA:16103), visce 45), urinary syst PA:17373), urete 94), medullary co	tem(EMAPA:17366), ric	
	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:embryo(EMAPA:16039), organ system(EMAPA:161 visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:1737 ureteric trunk(EMAPA:28494), medullary coll duct(EMAPA:28061)]			
	mouse(EMAPA:25765), em(EMAPA:16103), inary s(EMAPA:17373), reteric ollecting			
	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 no order entries; This Component has order entry EMAPA:19279>			
		s; This Component	renced Component has t has order entry <1	
	3. order= order=1 for EMA	1 for EMAPA:28494 PA:19279	4	

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			

Modified Component 91			
	organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive 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	organ system(EMAP organ(EMAPA:16245 developing vascul	omy(EMAPA:0), mous A:16103), viscera), urinary system ature of urinary s), renal vasculat	l (EMAPA:17366), system

Modified Component 92				
	developing vasculature of cortex(EMAPA:28029), venous(EMAPA:28037)]			
	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 of cortex(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 of 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				
ID	EMAPA:28035	Is Group Term	false	
Name	arterial	arterial		
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 anat	comy(EMAPA:0), mou	se(EMAPA:25765),	

Modified Component 93				
	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), 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 m	uscle layer		
Starts At	TS23	Ends At	TS24	
Primary Parents	EMAPA:27711[urete	ral mesenchyme]		
Group Parents				
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), 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:17952[renal cortex] EMAPA:28457[renal 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), 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),		

Modified Component 95					
	developing vasculature of cortex(EMAPA:28029)]				
	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				

Modified Component 97						
ID	EMAPA: 28049	Is Group Term	false			
Name	immature loop o		•			
Starts At	TS22	Ends At	TS24			
Primary Parents	EMAPA:19279[ren immature nephro	al medulla] EMAPA: n]	28445[stage IV			
Group Parents						
Synonyms	[anlagen of loo	p of Henle]				
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA	[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				
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)]					
	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 has no order entries; This Component has order entry <0 for EMAPA:19279> 2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28445>					
	3. order= order=0 for EMA	2 for EMAPA:28445 PA: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),			

Modified Componen	t 98				
	renal vasculature(EMAPA:28457), developing vasculature of cortex(EMAPA:28029), capillary(EMAPA:28039)				
	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), 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 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			
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	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	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 Is Group Term false					
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:284 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 Is Group Term false					
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(F	MAPA: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				
Name	developing vascul	lature of ovary				
Starts At	TS20	Ends At	TS27			
Primary Parents		y] EMAPA:31564[dev eproductive system				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAI organ(EMAPA:1624 system(EMAPA:1738 system(EMAPA:1798	[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=1	4 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 Is Group Term false				
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(F 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			
	<pre>system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), renal medullary nerves(EMAPA:31354)]</pre>		
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 Compone	Modified Component 124				
ID	EMAPA: 27602	Is Group Term	false		
Name	nephric duct,	pronephric porti	on		
Starts At	TS17	Ends At	TS17		
Primary Parents	EMAPA: 28425 [nej EMAPA: 16367 [ge	phric duct group nitourinary syst] em]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(Elorgan(EMAPA:16	MAPA:16103), vis 245), genitourin 6367), nephric d	ary		
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 has no order entries; This Component has order entry < for EMAPA:16367>				
	3. order order=0 for EM	=8 for EMAPA:163 APA:28425	57		

ID	EMAPA: 27605	Is Group Term	false	
Name	ureteric tip			
Starts At	TS18	Ends At	TS18	
Primary Parents	EMAPA:17209[u:	reteric bud]		
Group Parents				
Synonyms	[ureteric amp	ılla]		
Primary Path	organ system() organ(EMAPA:1 system(EMAPA: ureteric bud()	[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	embryo(EMAPA: visceral organ system(EMAPA: ureteric bud()	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	no order entr	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 End Stage - Referenced Component EMAPA:31340 has End Stage [TS28] 2. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA:18326>		erenced Component
	3. 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. Differen no order entries; for EMAPA:19284>	t Order - Referen This Component h	ced Component has as order entry <0
	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>		

Modified Component	129	
	2.	order=1 for EMAPA:19284

Modified Component 130			
ID	EMAPA:29061	Is Group Term	false
Name	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(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 part of vagina(EM	(EMAPA:0), mouse(2A:16103), viscera (A), reproductive (1), female reproductive (9), vagina(EMAPA: (APA:18999), muscurina(EMAPA:29061)]	l uctive 18986), lower
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)]		l uctive 18986), muscular
			EMAPA:16103), ductive uctive 18986), lower
	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>	t Order - Referen This Component h	as order entry <0
		t Order - Referen This Component h	
	3. order=1 order=0 for EMAPA	for EMAPA:18999 4:30997	

Modified Component 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)]		

Modified Componer	nt 131		
Alternate Paths	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA) group(EMAPA:2851	tomy(EMAPA:0), mou PA:16103), viscera 5), urinary system A:17373), renal in 8), renal medullar PA:18326), residen A:31333)]	ll (EMAPA:17366), lterstitium
	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)]		
	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 End Stage - Referenced Component EMAPA:31333 has End Stage [TS28]		
		nt Order - Referen ; This Component h	ced Component has as order entry <1
	3. order=1	for EMAPA:18326	

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	rogenic zone GROUP dephros]]
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 Componen	t 133		
ID	EMAPA:27671	Is Group Term	false
Name	nephrogenic inter	stitium	
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 Component 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 interstitium]		
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP	(EMAPA:0), mouse(1 A:16103), viscera), urinary system :17373), renal	1

Modified Component 135				
	medulla(EMAPA:19279), renal medullary interstitium(EMAPA:18326), renal medullary fibroblasts(EMAPA:31326)]			
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), 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 End Stage - Referenced Component EMAPA:31326 has End Stage [TS28]			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18326>			
	3. order=0 for EMAPA:18326			

Modified Component 136				
ID	EMAPA: 27663	Is Group Term	false	
Name	nephric duct, mes	onephric portion		
Starts At	TS19	Ends At	TS19	
Primary Parents	EMAPA:27644[mesongroup]	ephros] EMAPA:284	29[nephric 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), 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. Differen	t Order - Referen	ced Component has	

Modified Component 136 no order entries; This Component has order entry <2 for EMAPA: 27644> 3. order=2 for EMAPA: 27644 order=0 for EMAPA: 28429

Modified Component 137				
ID	EMAPA:27661	Is Group Term	false	
Name	mesonephric mesen	chyme		
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 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			

ID	EMAPA: 31312	Is Group Term	false		
Name	renal cortical ly				
Starts At	TS23				
Primary Parents	EMAPA:17952[rena	l cortex]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMA) 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), renal cortical lymphatics(EMAPA:31312)]			
Alternate Paths	embryo(EMAPA:160) visceral organ(EI system(EMAPA:1730 renal cortex(EMA)	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	no order entries	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17952>			
	2. order=11	2. order=11 for EMAPA:17952			

Modified Component 139				
ID	EMAPA:31319	Is Group Term	false	
Name	renal cortical nerves			

Modified Component 139				
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 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 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[gonadal mesenchyme]			
Group Parents				
Synonyms	[caudal 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), posterior gonadal mesenchyme(EMAPA:27657)]			

Modified Component 141				
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
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 Component 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		

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	al 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>			

Modified Component	t 143	
	2.	order=0 for EMAPA:17385

Modified Component 144				
ID	EMAPA:27644	Is Group Term	false	
Name	mesonephros			
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), 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 cor	tical interstitiu	m
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), rest of renal cortical interstitium(EMAPA:31304)]		
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), 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		

Modified Component 145				
	no order entries; This Component has order entry	<2		
	2. order=2 for EMAPA:28136			

Modified Component 146			
ID	EMAPA:27642	Is Group Term	false
Name	associated mesend	hyme	
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:27638[cloac	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]		

Modified Component 148			
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)]		
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[anterior prostatic interstitium]		
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), male reproductive system(EMAPA:17968), male accessory gland(EMAPA:19285), prostate gland(EMAPA:19287),		

Modified Component 150			
	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 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:17386), 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 prost	tate
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29796[anter	ior prostatic epit	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		

Modified Component 152				
		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 gland(EMAPA:19285), prostate gland(EMAPA:19287), anterior prostate gland(EMAPA:29794), anterior prostatic epithelium(EMAPA:29796), ductal epithelium of anterior prostate(EMAPA:29800)]			
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 Component 153				
ID	EMAPA:30720	Is Group Term	false	
Name	surface epitheliu	surface epithelium of glans clitoris		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:19170[glans	s clitoris]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1736 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), glans clitoris(EMAPA:19170), surface epithelium of glans clitoris(EMAPA:30720)]		
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), glans clitoris(EMAPA:19170), surface epithelium of glans clitoris(EMAPA:30720)] 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),			
	<pre>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:18680), glans clitoris(EMAPA:19170), surface epithelium of glans clitoris(EMAPA:30720)] 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), surface epithelium of glans clitoris(EMAPA:30720)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female external genitalia(EMAPA:30984), genital tubercle of</pre>			

Modified Component 153				
	female(EMAPA:18680), glans clitoris(EMAPA:19170), surface epithelium of glans clitoris(EMAPA:30720)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19170>			
	2. order=0	for EMAPA:19170	-	

Modified Compone		7	T	
ID	EMAPA:30725	Is Group Term	false	
Name	mesenchyme of cru	mesenchyme of crus of clitoris		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:19169[crus	of clitoris]		
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), crus of clitoris(EMAPA:19169), mesenchyme of crus of clitoris(EMAPA:30725)]		
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), mesenchyme of crus of clitoris(EMAPA:30725)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), 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), mou 39), organ system(MAPA:16245), repro 31), female reprod 59), female extern 30984), genital tu 30), crus of clito us of clitoris(EMA	EMAPA:16103), ductive uctive al bercle of cris(EMAPA:19169),	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries; for EMAPA:19169>	; This Component h	ced Component has as order entry <1	
	2. order=1	for EMAPA:19169		

Modified Component 155				
ID	EMAPA:29808	Is Group Term	false	
Name	dorsal prostate g	land		
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), 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			
ID COMPONE	EMAPA:30730	Is Group Term	false
Name	surface epitheliu	um of crus of clit	J L
Starts At	TS25	Ends At	TS27
Primary Parents	EMAPA:19169[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), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169), surface epithelium of crus of clitoris(EMAPA:30730)]		
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), surface epithelium of crus of clitoris(EMAPA:30730)] 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), surface epithelium of crus of clitoris(EMAPA:30730)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 39), organ system(MAPA:16245), repro 31), female reprod 59), genital tuber	EMAPA:16103), ductive uctive

Modified Componen	t 156			
	female(EMAPA:18680), crus of clitoris(EMAPA:19169) surface epithelium of crus of clitoris(EMAPA:30730)]			
	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 reproductistructure(EMAPA:28540), genital tubercle of female(EMAPA:18680), crus of clitoris(EMAPA:19169 surface epithelium of crus of clitoris(EMAPA:30730)]			
	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				

Modified Component 158				
ID	EMAPA:30747	Is Group Term	false	
Name	muscle layer of epididymis			
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:19290[epididymis]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Component 158				
	organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30747)]			
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:30747)]			
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=3	for EMAPA:19290		

Modified Component 159				
ID	EMAPA:30745	Is Group Term	false	
Name	surface epitheliu	m 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		

Modified Component 160				
	deferens(EMAPA:30751)]			
	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), 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)]			
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		

ī

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 Component 162				
ID	EMAPA:30757	Is Group Term	false	
Name	oocyte of primord	ial follicle		
Starts At	TS27	Ends At	TS28	
Primary Parents	EMAPA:30755[primordial 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			

Modified Component 162				
	follicle(EMAPA:3	0757)]		
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), oocyte of primordial follicle(EMAPA:30757)]			
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)]			

Modified Component 164				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28880>			
	2. order=1	for EMAPA:28880		

Modified Component 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 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 Compone	Modified Component 168				
ID	EMAPA:31379	Is Group Term	false		
Name	premacula segmen	t of distal straig	ght tubule		
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:28396[dist	al straight tubule	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 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	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(EMA organ(EMAPA:1624	tomy(EMAPA:0), mou LPA:16103), viscera 5), urinary system A:17373), stage IV	al n(EMAPA:17366),		

```
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)]
```

- 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)]

Modified Component 168

```
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), 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)]

Modified Component 168				
Rule Status	PASSED	Edit Status	CHANGED	
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 pro	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		t Order - Referen This Component h	ced Component has as order entry <8

Modified Compon	ent 170		
	2.	order=8 for EMAPA:17962	

Modified Component 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 Component 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			
ID	EMAPA:31373	Is Group Term	false
Name	rest of perihilar	interstitium	
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), 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:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), epithelial layer of crus penis(EMAPA:29852)]		
		omy(EMAPA:0), mou 9), organ system(

Modified Component 174				
	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)]			
	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)]			
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 spongiosu	m	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:19294[crus	penis]	
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), penis(EMAPA:1 4), corpus spongic	al ctive 18682), crus
Alternate Paths	organ system(EMAPA:1624 system(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA:1929 2. [Abstract anaembryo(EMAPA:160 visceral organ(EMAPA:173 system(EMAPA:173 penis(EMAPA:1929 2. [Abstract anaembryo(EMAPA:173 system(EMAPA:173 system(EMAPA:173 system(EMAPA:173 system(EMAPA:173 system(EMAPA:173 system(EMAPA:173 system(EMAPA:173 system(EMAPA:173 genitalia(EMAPA:	tomy(EMAPA:0), mountained the composition of the co	ctive A:18682), crus csum(EMAPA:29850)] ase(EMAPA:16103), cductive ctive 28682), crus csum(EMAPA:29850)] ase(EMAPA:25765), EMAPA:16103), cductive ctive 28:18682), crus
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			

Modified Componen	t 176		
Primary Parents	EMAPA:30767[follicle cell of tertiary 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), 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. order=1 for EMAPA:30767		

Modified Component 177				
Modified Componen				
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		(EMAPA:0), mouse(1 A:16103), viscera	

Modified Component 178			
	system(EMAPA:1795	81), female reprod 59), ovary(EMAPA:1 9777), primary ooc	7962), Graafian
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 m	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 anat organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera	

Modified Componen	t 180		
	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)] 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 CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28337>		
	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			

Modified Component 182			
Synonyms	[]		
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 outer medullary i	r(EMAPA:0), mouse(1) PA:16103), visceral S), urinary system A:17373), renal R79), outer medulla Interstitium(EMAPA Last(EMAPA:31384)]	l (EMAPA:17366), a(EMAPA:28310),
Alternate Paths	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA group(EMAPA:28518	comy(EMAPA:0), mouse PA:16103), viscera b), urinary system A:17373), renal in B), outer medullary PA:28337), outer med 31384)]	l (EMAPA:17366), terstitium Y
	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

Modified Component 184			
ID	EMAPA:29832	Is Group Term	false
Name	smooth muscle of	lateral prostate	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29830[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), 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 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		t Order - Referen This Component h	
	2. order=0	for EMAPA:30767	

Modified Component 186			
ID	EMAPA:29834	Is Group Term	false

Modified Component 186			
Name	rest of interstitium of lateral prostate		
Starts At	TS28 Ends At TS28		
Primary Parents	EMAPA:29830[lateral prostatic interstitium]		
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:29830		

7. 1.5. 1. 6					
Modified Componen					
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	

Modified Component 188				
Name	ductal epithelium	of ventral prost	ate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29838[ventr	al prostatic epit	helium]	
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	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				
Name	epithelium				
Starts At	TS24	Ends At	TS27		
Primary Parents	EMAPA:18985[uterine horn]				

Modified Component 190			
Group Parents			
Synonyms	[endometrium]		
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[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 system(EMAPA:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), theca of mature			

Modified Component 192				
	follicle(EMAPA:3	30787)]		
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), theca of mature follicle(EMAPA:30787)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:30777>			
	2. order=3	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:17959), ovary(EMAPA:17962), Graafian follicle(EMAPA:30777), germinal cell 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		

Modified Component 194				
	system(EMAPA:179 gland(EMAPA:1928 lateral prostate	81), male reproduc 68), male accessor 5), prostate gland gland(EMAPA:29822 lium(EMAPA:29824)]	У (ЕМАРА:19287),	
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),			

Modified Component 196				
	organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 follicle(EMAPA:30	31), female reprod 59), ovary(EMAPA:1 3777), germinal ce 3781), cumulus of	uctive 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: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	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 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			

Γ

Modified Component 198				
	follicle(EMAPA:3	0781)]		
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)]			
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. order=1	for EMAPA:30777		

Modified Component 199				
ID	EMAPA:29828	Is Group Term	false	
Name	ductal epithelium	of lateral prost	ate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29824[later	al prostatic epit	helium]	
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), 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	for EMAPA:29824		

Modified Component 200				
ID	EMAPA:29826	Is Group Term	false	
Name	glandular epithel	ium of lateral pr	ostate	
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29824[later	al prostatic epit	helium]	
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), lateral prostate gland(EMAPA:29822), lateral prostatic epithelium(EMAPA:29824), glandular epithelium of lateral prostate(EMAPA:29826)]			

Modified Component 200				
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), 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	fibroblast		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28364[inner	r medullary inters	titium]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA medulla(EMAPA:192 inner medullary	[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			
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	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738	1), male reproduct 8), male accessor), prostate gland gland(EMAPA:29822	l tive Y (EMAPA:19287),), lateral

Modified Component 204			
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 gland(EMAPA:19285 lateral prostate	comy(EMAPA:0), mouse 39), organ system(1 MAPA:16245), reproduct 31), male reproduct 58), male accessor 5), prostate gland gland(EMAPA:29822 sitium(EMAPA:29830	EMAPA:16103), 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	outer layer of oviduct		
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:17381), 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	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796	omy(EMAPA:0), mou 9), organ system(APA:16245), repro 1), male reproduc 8), male accessor), prostate gland	EMAPA:16103), ductive tive Y

Modified Component 206				
	dorsal prostate gland(EMAPA:29808), dorsal prostatic interstitium(EMAPA:29816), smooth muscle of dorsal prostate(EMAPA:29818)]			
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 ejaculatory 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	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	r(EMAPA:0), mouse(A:16103), viscera), reproductive 1), male reproduc 8), ductus defere ctus deferens(EMA	l tive ns(EMAPA:18681),	
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:17381), 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				
	<pre>visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), scrotum(EMAPA:19296), vasculature of scrotum(EMAPA:30791)]</pre>			
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	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 Componen	t 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:30991[epith part of vagina]	elium of vagina]	EMAPA:18999[lower
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 part of vagina(EM	1), female reprod 9), vagina(EMAPA:	luctive 18986), lower delial 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	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: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: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		nt Order - Referen ; This Component h		
	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	
	li Company			

Modified Component 224					
Name	mesenchymal	layer	of pelvic	urethr	a 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), 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:	18995	

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	organ system(EMAP	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive		

Modified Component 226				
	system(EMAPA:1738 system(EMAPA:1798 testis(EMAPA:1833	81), male reproduc 68), testis(EMAPA: 32)]	tive 17972), rete	
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:19279[renal interstitium grou	. medulla] EMAPA:2 p]	8518[renal	
Group Parents				
Synonyms	[medullary stroma	ι]		
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA	279), renal medull	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 medullary interstitium(EMAPA:18326)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal interstitiu	comy(EMAPA:0), mou 9), organ system(MAPA:16245), urina 66), metanephros(E m group(EMAPA:285 itium(EMAPA:18326	EMAPA:16103), ry MAPA:17373), 18), renal	
	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. Differen EMAPA:18326 has E	it End Stage - Ref Ind Stage [TS28]	erenced Component	
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19279> 3. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:28518>			
	4. order=7 order=2 for EMAPA	for EMAPA:28518 3:19279		

Modified Component 228				
ID	EMAPA:18329	Is Group Term	false	
Name	labial swelling			

Modified Component 228				
Starts At	TS24	Ends At	TS27	
Primary Parents		e reproductive sy Le external genita		
Group Parents				
Synonyms	[labia]			
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738	(EMAPA:0), mouse(PA:16103), viscera 5), reproductive B1), female reprod 59), labial swelli	luctive	
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 repro 17959[female repro	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(EM	APA:16245), reprod 1), female reprod	ductive	

Modified Component 229					
	tubercle(EMAPA:18328)]				
	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	Edi	it 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>				
	3. or order=1 for		EMAPA:179	959	

Modified Component 230				
ID	EMAPA:31409	Is Group Term	false	
Name	rest of inner med	ullary 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			

Modified Component 231				
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28364[inner	medullary inters	titium]	
Group Parents				
Synonyms	[renal monocytes	of the inner medu	lla]	
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), resident macrophage of the inner medulla(EMAPA:31404)]			
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			

ID	EMAPA:27708	Is Group Term	false		
Name	epithelial la	yer of ureter			
Starts At	TS20	Ends At	TS20		
Primary Parents	EMAPA:17950[u	reter]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(organ(EMAPA:1 ureter(EMAPA:	[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	embryo(EMAPA: visceral orga system(EMAPA:	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	no order entr	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17950>			
	2. orde	r=1 for EMAPA:179	50		

Modified Componen	ıt 233			
ID	EMAPA: 28765	Is Group Term	false	
Name	mesenchymal layer	of pelvic urethr	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		

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	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 Componen	t 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 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 Componen	t 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 Componer	t 239		
ID	EMAPA:19086	Is Group Term	false
Name	appendix epididym	is	
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 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	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795	1), female reprod 9), ovary(EMAPA:1 880), theca of ru	l uctive 7962), ruptured
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		t Order - Referen This Component h	
	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 Componen	t 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	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=11 for EMAPA:17962			

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

Modified Component 251					
Starts At	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	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 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 Component 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	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17368), 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:17381), 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. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18988>			
	2. order=0	for EMAPA:18988		

Modified Component 257				
ID	EMAPA:31486	Is Group Term	false	
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 Component 258				
ID	EMAPA:29856	Is Group Term	false	
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	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:18988>			

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:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive			

Modified Component 260				
	<pre>system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682), crus penis(EMAPA:19294), rest of crus penis(EMAPA:29854)]</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: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	2. order=1 for EMAPA:31476		

Modified Component 262				
EMAPA:27749	Is Group Term	false		
ureteric tip				
TS21	Ends At	TS28		
EMAPA:27721[nephr collecting duct g	ogenic zone] EMAP. roup] EMAPA:28407	A:28477[primitive [collecting duct]		
[ureteric ampulla	.]			
[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)]				
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)]				
	EMAPA: 27749 ureteric tip TS21 EMAPA: 27721 [nephr collecting duct g [ureteric ampulla [Abstract anatomy organ system (EMAP organ (EMAPA: 27721) 1. [Abstract anatomy zone (EMAPA zone (EMAPA: 27721) 1. [Abstract anatorgan system (EMAP organ (EMAPA: 28477 2. [Abstract anatorgan yetem (EMAPA group (EMAPA: 28477 2. [Abstract anatorgan system (EMAPA organ system (EMAPA organ (EMAPA: 16245 metanephros (EMAPA metanephros (EMAPA metanephros (EMAPA)	Is Group Term		

ī

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 < for EMAPA: 28477>					
	3. Different Order - Referenced Component no order entries; This Component has order entry 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 Component 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	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29866>			
	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	secondary follicl	e
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	[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), cumulus(EMAPA:29868)]		
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 follicle(EMAPA:29	omy(EMAPA:0), mous 9), organ system(1 APA:16245), reprod 1), female reprod 9), ovary(EMAPA:1 862), follicle ce 866), cumulus(EMA	EMAPA:16103), ductive uctive 7962), secondary ll of secondary
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:17373[metanephros] 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), 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:173766), 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(APA:16245), urina:	EMAPA:16103),

Modified Component 274				
	system(EMAPA:17366), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), capillary loop renal corpuscle(EMAPA:27770), visceral epithelium(EMAPA:27772)]			
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:17366), 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	periarterial fibroblasts 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 Componen	t 276
	interstitium(EMAPA:28136), renal cortical fibroblasts(EMAPA:31288), periarterial fibroblasts of cortex(EMAPA:31426)]
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 Componen	t 277							
		entries; A:27756>	Thi	s Component	has	order	entry	<3
	2.	order=3	for	EMAPA: 27756				

Modified Componer	nt 278				
ID	EMAPA:31424	MAPA: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 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 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	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 Compone	nt 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 Componen	t 280							
		entries; A:27764>	Thi	s Component	has	order	entry	<1
	2.	order=1	for	EMAPA: 27764				

Modified Componen	t 281			
ID	EMAPA:31428	A:31428		
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	[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), peritubular fibroblasts of outer medulla(EMAPA:31428)]			
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	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:25765), embryo(EMAPA:16039), 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)]			
	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	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 27756>			
	2. order=1 for EMAPA:27756			

Modified Component 284			
ID	EMAPA: 27756	Is Group Term	false
Name	s-shaped body	In croup rorm	
Starts At	TS21	Ends At	TS21
Primary Parents	EMAPA:17373[metan GROUP]	ephros] EMAPA:179	JL
Group Parents			
Synonyms	[stage II 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), 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 no order entries; This Component has order entry < for EMAPA:17373>		
	3. order=9 for EMAPA:17373 order=5 for EMAPA: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)]		
	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 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	Is Group Term	false
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 Componen	ut 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		ephros] EMAPA:315 inary system GROU 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), 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	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 288				
	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 of metanephros(EMAPA:27794)]			
	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 of metanephros(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 Component 289				
ID	EMAPA: 27790	Is Group Term	false	
Name	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	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	organ system(E organ(EMAPA:16 system(EMAPA:1 system(EMAPA:1 structure(EMAPA:1 female(EMAPA:1 female(EMAPA:3	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17959), female reproductive system(EMAPA:17959), female associated reproductive structure(EMAPA:28540), genital tubercle of female(EMAPA:30699), prepuce of female(EMAPA:30699), preputial gland of female(EMAPA:30711)]		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17959), 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:30699), preputial gland of female(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), prepuce of female(EMAPA:30699), preputial gland of female(EMAPA:30699), preputial gland of female(EMAPA:30699), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), female associated reproductive system(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:0, genital tubercle of female(EMAPA:30699), preputial gland of female(EMAPA:30699), preputial gland of female(EMAPA:30699), preputial gland of structure(EMAPA:25765), preputial gland of female(EMAPA:17959), female associated reproductive system(EMAPA:130711)] 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:18680), prepuce of female(EMAPA:30699), prepuce of female(EMAPA:30711)]			65),
				65),
				,
				65),
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 Compor	ent 291			
ID	EMAPA:30715	Is Group Term	false	
Name	mesenchyme of g	glans clitoris		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:19170[gla	ans clitoris]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 female(EMAPA:18	[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	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA:18 mesenchyme of control of the system(EMAPA:162 system(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA:18 female(EMAPA:18	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), 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:17959), genital tubercle of female(EMAPA:17959), genital tubercle of female(EMAPA:17959), genital tubercle of female(EMAPA:18680), glans clitoris(EMAPA:19170), mesenchyme of glans clitoris(EMAPA:30715)]		
	embryo(EMAPA:16 visceral organ(system(EMAPA:17 system(EMAPA:17 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), 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		es; This Componen	renced Component has t has order entry <1	
	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 tubu	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				

7. 1.5. 1. 6				
Modified Componer	mponent 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	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29897>			
	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				

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:17373[metan	ephros] EMAPA:179	54[early nephron	
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>			

Γ

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			

Modified Component 299				
ID	EMAPA:27780	Is Group Term	false	
Name	presumptive end	othelium of renal	corpuscle	
Starts At	TS21	Ends At	TS21	
Primary Parents		al vasculature] illary loop renal	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	othelium of renal :27780)] atomy(EMAPA:0), mo APA:16103), viscer 45), urinary syste	cal em(EMAPA:17366), y system ature(EMAPA:28457), cuse(EMAPA:25765), cal em(EMAPA:17366),	
	renal vasculature(EMAPA:28457), presumptive endothelium of renal corpuscle(EMAPA:27780)] 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 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 endotheliu of renal corpuscle(EMAPA:28457), presumptive endotheliu 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), mo 039), organ system EMAPA:16245), urin 366), metanephroso ROUP(EMAPA:17954), (EMAPA:27770), pro renal corpuscle(EM	m(EMAPA:16103), 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	m 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	<u> </u>	Ends At		TS23
Primary Parents	EMAPA:1795 EMAPA:3098	9[femal 4[femal	e reproduct e external	ive sy genita	stem] lia]
Group Parents					
Synonyms	[]				
Primary Path	organ syst organ(EMAP system(EMA	em(EMAP A:16245 PA:1738 PA:1795	A:16103), v), reproduc 1), female 9), labioso	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. o order=2 fo		for EMAPA:	17959	

Modified Component 312				
ID	EMAPA:16103	Is Group Term	false	
Name	organ system			
Starts At	TS11	Ends At	TS28	
Primary Parents	EMAPA:16039[embry	o] EMAPA:25765[mo	use]	
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	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 (38540), 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	, <u>, , , , , , , , , , , , , , , , , , </u>					
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 systeman: 16245), repair 10, female repair 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), replay 1), female replay 9), female extemps (0984), genital (0), 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 39), organ system MAPA:16245), repro 81), female repro 59), female extern 30984), genital to 80), 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	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 Componen	ıt 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	ent 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(F	:MAPA:286	49)]		
Alternate Paths	embryo(EM visceral system(EM	MAPA:1603 organ(EM MAPA:1736 bladder	(EMAPA: 28637), de	EMAPA:16103), ry :18321), detrusor	
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	renal vesicle			
Starts At	TS22	Ends At	TS27		
Primary Parents		ly nephron GROUP 7952[renal cortex] EMAPA:28500[early x]		
Group Parents					
Synonyms	[epithelial ves	sicle, stage I ner	phron]		
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA	[Abstract anatomy(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 vesicle(EMAPA:27829)]			
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)]			
	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)]				
	3. [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), renal vesicle(EMAPA:27829)]				
	mouse(EMAPA:25765), em(EMAPA:16103), inary s(EMAPA:17373), y cle(EMAPA:27829)]				
	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	renced Component has t has order entry <0		
	2. Differ no order entrie for EMAPA: 28500	s; This Component	renced Component has t has order entry <0		
	3. Differ no order entrie for EMAPA:17954	es; This Component	renced Component has t 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	EMAPA:31524	Is Group Term	false
Name	nerve of phallic	urethra	
Starts At	TS22	Ends At	TS22
Primary Parents	EMAPA:30911[phall urethra GROUP]	ic urethra] EMAPA	:31569[nerves 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(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), renal distal tubule(EMAPA:28387), early distal tubule(EMAPA:28390), 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			
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	nt 364
	for EMAPA:28011>
	2. order=2 for EMAPA:28011

Modified Compon	ent 365			
ID	EMAPA:31516	Is Group Term	false	
Name	renal connecting	renal connecting tubule of maturing nephron		
Starts At	TS22	Ends At	TS27	
Primary Parents		ical renal tubule MAPA:28011[renal c	of maturing connecting tubule]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795 tubule(EMAPA:1897 tubule(EMAPA:2801	[Abstract anatomy(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 maturing nephron(EMAPA:31516)]		
Alternate Paths	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA nephron(EMAPA:284 tubule(EMAPA:1897 tubule(EMAPA:2801	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 maturing nephron(EMAPA:31516)]		
	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:18976), cortical renal tubule of maturing nephron GROUP(EMAPA:31570), renal connecting tubule of maturing nephron(EMAPA:31			
	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA nephron(EMAPA:284 tubule(EMAPA:2895 tubule(EMAPA:2805	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 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)]			
5. [Abstract anatomy(EMAPA:0), mouse(EMAPA: organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17 metanephros(EMAPA:17373), renal cortex(EMAPA:17952), developing capillary 1 stage nephron GROUP(EMAPA:28506), cortical tubule(EMAPA:18976), renal connecting tubule(EMAPA:28011), renal connecting tubule(EMAPA:28011), renal connecting tubul maturing nephron(EMAPA:31516)]				
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2570 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), cortical renaturing nephron GROUP(EMAPA:31570), renaturing tubule of maturing nephron(EMAPA:31570)			

- 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	tomy(EMAPA:0), mo 19), organ system(1APA:16245), urina 16), metanephros(E 1A:17952), cortica 16), cortical rena GROUP(EMAPA:31570 15 of maturing neph	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 of maturing nephron(EMAPA:31516)			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRO tubule(EMAPA:1897 maturing nephron	tomy(EMAPA:0), mo 19), organ system(1APA:16245), urina 16), metanephros(E 1UP(EMAPA:17954), 16), cortical rena GROUP(EMAPA:31570 10 of maturing neph	EMAPA:16103), ry MAPA:17373), cortical renal l tubule of), renal	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28011>			
	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		connecting tubulcal 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), renal connecting tubule(EMAPA:280111), renal connecting tubule(EMAPA:2801111			
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 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 of capillary loop nephron GROUP(EMAPA:31571), renal connecting tubule of capillary loop nephron(EMAPA:31515)] 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			

```
tubule(EMAPA:18976), renal connecting 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(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:31515)]
- 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(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: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)]
- 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(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:31571)
- 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 capillary 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
- 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(EMAPA:28011), renal connecting tubule(DMAPA:28011), renal connecting tubule(DMAPA:28011)]

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 Compor	ment 367
Starts At	TS25 Ends At TS27
Primary Parents	EMAPA:28390[early distal tubule] EMAPA:31570[cortical renal tubule of maturing 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), 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:18976), renal distal 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:283890), 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:28390), 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: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: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

Modified Component 367				
	tubule of maturing nephron(EMAPA:31514)]			
	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 APA: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)]			
	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 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:3153)]
- 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:31573)]
- 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),

Modified Component 368 renal cortex(EMAPA:17952), late tubule(EMAPA: 28527), cortical renal tubule(EMAPA:18976), 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 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: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)] 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 dis early distal tubule of maturing nephron(EMAPA:31513)] 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), early di early distal tubule of maturing nephron(EMAPA:31513)] Rule Status PASSED Edit Status 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <1 for EMAPA:28007> order=1 for EMAPA:28007

Modified Component 369				
EMAPA:31512	Is Group Term	false		
early proximal tu	early proximal tubule of maturing nephron			
TS25 Ends At TS27				
EMAPA:31570[cortical renal tubule of maturing nephron GROUP] EMAPA:28284[early proximal tubule]				
[]				
	EMAPA:31512 early proximal tu TS25 EMAPA:31570[corti	EMAPA: 31512 Is Group Term early proximal tubule of maturing r TS25 Ends At EMAPA: 31570[cortical renal tubule of		

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)] [Abstract anatomy(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	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576) 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)]			
	organ system(EN organ(EMAPA:162 metanephros(EMAPA:18 tubule(EMAPA:18 capillary loop distal tubule o	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)]		
	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> 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:31564[developing vasculature of reproductive			

Modified Componer	nt 371
	system GROUP] EMAPA:17969[genital tubercle of male]
Group Parents	general curve of mater
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	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)] 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 associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), developing vasculature of male genital tubercle(EMAPA:31510)]
	3. [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), developing vasculature of male genital tubercle(EMAPA:31510)]
	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 male genital tubercle(EMAPA:31510)]
	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 associated reproductive structure(EMAPA:28533), genital tubercle of male(EMAPA:17969), developing vasculature of male genital tubercle(EMAPA:31510)]
	6. [Abstract anatomy(EMAPA: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), developing vasculature of male genital tubercle(EMAPA:31510)]
	7. [Abstract anatomy(EMAPA: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), developing vasculature of male genital tubercle(EMAPA:31510)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17969>
	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)]			
	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), surface epithelium of proximal genital tubercle of male(EMAPA:31504), visceral 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), 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:31504), 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				
	visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 male(EMAPA:17969)	9), organ system(MAPA:16245), repro M1), male reproduc M2), genital tuber M2, proximal genita M3, surface epithel M6 male(EMAPA:315	ductive tive cle of I tubercle of ium of proximal	
	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:17968), 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 Compor	nent 378
Name	developing vasculature of female genital tubercle
Starts At	TS20 Ends At TS23
Primary Parents	EMAPA:31564[developing vasculature of reproductive system GROUP] 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), 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:17368), 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: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)]				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(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		s of urethra GROU 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), 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	[]		
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	developing vasculature 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	[1			
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	ventral mesenchyme of pelvic urethra		
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	Is Group Term	true	
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	orsal pelvic uret	hra 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)]				EMAPA:16103), ry thra
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:18995), 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		t Order - Referen This Component h	ced Component has as order entry <1	
	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:28765), 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)]			
	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)]			
	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 Componen	ıt 399			
	structure female(EM		8540), genital 0)]	tubercle of
	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 entry <2 for EMAPA:28540>			
	4. Different Synonyms - Referenced Component EMAPA:18680 has synonyms [clitoris anlage]			
	5. order=2 f order=0 f	or EMAPA		59

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				

Modified Component 401					
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), 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. order=1 for EMAPA:28703				

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		s 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			

Modified Component 403					
Starts At	TS23		Ends At		TS27
Primary Parents	EMAPA:18685	[semin	iferous co	rd]	
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. or	der=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				

Modified Component 405				
	organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive 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	lorsal 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:17968[male reproductive system] EMAPA:30977[male external genitalia]			
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			

Modified Component 407					
	system(EMAPA:17968), male external genitalia(EMAPA:30977), penis(EMAPA:18682)]				
	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 3:30977			

Modified Componen	it 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			ced Component has as order entry <0
	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		

Modified Componen	t 409	
	system(EMAPA:17968), ductus deferens(EMAPA:18681)]	
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)]	
	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		t Order - Referen This Component h	ced Component has as order entry <1
	2. order=1	for EMAPA:30893	

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

Modified Componen	t 411				
Group Parents					
Synonyms	[]				
Primary Path	organ symorgan(EM urethra of female(EM of femal	stem(EMAP APA:16245 of female MAPA:2875 e(EMAPA:2	A:16103), v), urinary (EMAPA:2874 3), muscle	iscera system 7), pe layer le lay	(EMAPA:17366), lvic urethra of of pelvic urethra er of ventral
Alternate Paths	embryo(El visceral system(El female(El female(El of female	MAPA:1603 organ(EM MAPA:1736 MAPA:2874 MAPA:2875 e(EMAPA:2	9), organ s APA:16245), 6), urethra 7), pelvic 3), muscle	ystem() urina of urethra layer le layer	a of of pelvic urethra er of ventral
Rule Status	PASSED		Edit Status		CHANGED
Comments		entries;			ced Component has as order entry <1
	2.	order=1	for EMAPA:2	8771	

Modified Componen	t 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	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), renal capsule(EMAPA:18679)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),			

Modified Component 413			
	visceral organ(EM	9), organ system(1 IAPA:16245), urina: 66), metanephros(EI PA:18679)]	ry
Rule Status	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	segment of renal	vesicle
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA: 27829[rena]	vesicle]	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	52), renal vesicle segment of renal	1 (EMAPA:17366),
Alternate Paths	organ system(EMAI organ(EMAPA:16245 metanephros(EMAPA:1795 renal vesicle(EMI segment of renal 2. [Abstract anat organ system(EMAI organ(EMAPA:16245 metanephros(EMAPA	52), early tubule(APA:27829), renal vesicle(EMAPA:315 comy(EMAPA:0), moutain the composition of the composit	1 (EMAPA:17366), EMAPA:28500), connecting 40)] se(EMAPA:25765), 1 (EMAPA:17366), phron
	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), ry MAPA:17373),
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRO	tomy(EMAPA:0), mou 39), organ system(MAPA:16245), urina 56), metanephros(E DUP(EMAPA:17954), 329), renal connec APA:31540)]	EMAPA:16103), ry MAPA:17373), renal
Rule Status	PASSED	Edit Status	CHANGED
Comments	no order entries for EMAPA:27829>	nt Order - Referen This Component h	

Modified Compor	nent 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:31571[cortical renal tubule of capillary loop nephron GROUP] EMAPA:28284[early proximal tubule]
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 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(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(EMAPA:28284).

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 4 15
	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: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:18976), cortical renal 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 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), 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:17376), 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 tubule 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	[Abstract anatomy(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 vesicle(EMAPA:27829), proximal renal vesicle(EMAPA:31547)]		
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: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), proximal renal vesicle(EMAPA:31547)] 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)]			
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal cortex(E) tubule(EMAPA:2	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), proximal renal vesicle(EMAPA:31547)]		
	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:27829			

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	[Abstract anatomy(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 vesicle(EMAPA:27829), distal renal vesicle(EMAPA:31548)]			
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(EM. embryo(EMAPA:16039), organ system(EMAPA visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:renal cortex(EMAPA:17952), early tubule(EMAPA:28500), renal vesicle(EMAPA distal renal vesicle(EMAPA:31548)]			EMAPA:16103), Try GMAPA:17373),		
	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			

Modified Component 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), and send the proximal genital tubercle of female(EMAPA:31534)]			
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)				
	EMAPA:31534 mesenchyme of TS21 EMAPA:31506[pr [] [Abstract anatorgan system(ENAPA:16 system(EMAPA:1 female(EMAPA:1 female(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 structure(EMAPA:1 structure(EMAPA:1 structure(EMAPA:1 system(EMAPA:1 structure(EMAPA:1 structure(EMAPA:1 system(EMAPA:1 temale(EMAPA:1 temale(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 system(EMAPA:1 female(EMAPA:1 female(EMAPA:1 female(EMAPA:1 female(EMAPA:1 female(EMAPA:1 female(EMAPA:3 female	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 Component 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: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), 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	no order enti	1. Different Order - Referenced Component han no order entries; This Component has order entry < for EMAPA:27853>			
	2. orde	er=2 for EMAPA:278	53		

Modified Compor			F-1		
ID	EMAPA:31535	Is Group Term	false		
Name	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(EMorgan(EMAPA:162 system(EMAPA:17 system(EMAPA:17 female(EMAPA:18 female(EMAPA:32	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17381), genital tubercle of female(EMAPA:18680), proximal genital tubercle of female(EMAPA:31506), surface epithelium of proximal genital tubercle of female(EMAPA:31535)]			
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:17381), 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)]			
	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), surface epithelium of proximal genital tubercle of female(EMAPA:31506), surface epithelium of proximal genital tubercle of female(EMAPA:31535)] 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:17399), genital tubercle of female(EMAPA:31506), surface epithelium of proximal genital tubercle of female(EMAPA:31506), surface epithelium of proximal genital tubercle of female(EMAPA:31506), surface epithelium of proximal genital tubercle of female(EMAPA:31506)				
	4. [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:17959), female associated reprodustructure(EMAPA:28540), genital tubercle of female(EMAPA:18680), proximal genital tubercle female(EMAPA:31506), surface epithelium of progenital tubercle of female(EMAPA:31506), surface epithelium of progenital tubercle of female(EMAPA:31535)] 5. [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:17959), female external genitalia(EMAPA:30984), genital tubercle of				

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	epithelium of fema	le		
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA:30470[urethral 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), distal urethral epithelium of female(EMAPA:31536)]				
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		
	<pre>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:17959), genital tubercle of female(EMAPA:18680), urethral epithelium of female(EMAPA:30470), distal urethral epithelium of female(EMAPA:31536)] 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), distal urethral epithelium of female(EMAPA:31536)]</pre>				
	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 EMAPA:30470>
	2. order=0 for EMAPA:30470

Modified Component 433						
ID	EMAPA:31537	Is Group Term	false			
Name	developing vaso	developing vasculature of male mesonephros				
Starts At	TS20	TS20 Ends At TS23				
Primary Parents	EMAPA: 31564[dev system GROUP] I	EMAPA:31564[developing vasculature of reproductive system GROUP] EMAPA:29138[mesonephros of male]				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 male(EMAPA:2913	[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	organ system(EM organ(EMAPA:162 system(EMAPA:17 reproductive sy	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)]				
	embryo(EMAPA:16 visceral organ(system(EMAPA:17 reproductive sy	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	no order entrie	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:29138>				
	2. order=	=7 for EMAPA:2913	8			

Modified Component 434				
ID	EMAPA:31538	Is Group Term	false	
Name	developing vascul	ature of female m	esonephros	
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:28909[mesonephros 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), mesonephros of female(EMAPA:28909), developing vasculature of female mesonephros(EMAPA:31538)]			
Alternate Paths		omy(EMAPA:0), mou A:16103), viscera		

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)]				
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 Is Group Term false				
Name	developing vasculature of primitive bladder				
Starts At	TS20	Ends At	TS21		
Primary Parents	EMAPA:30870[primi EMAPA:31563[devel system GROUP]	tive bladder] oping vasculature	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), 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: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:17373), renal cortex(EMAPA:16039), organ system(EMAPA:17373), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(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: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		t Order - Referend This Component ha	
	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), s-shaped body(EMAPA:27853), distal segment of s-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:2576 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:2576 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 <2 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:17954[early cortex]	nephron GROUP] E	MAPA:17952[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), 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 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 renal 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: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	[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), preputial gland of male(EMAPA:30502)]		
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		enital 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: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)]		
	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: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)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive		EMAPA:16103), ductive tive ed reproductive bercle of

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)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:17969>		
	2. Different Synonyms - Referenced Component EMAPA:29252 has synonyms [distal genital tubercle of male, penis, penis anlage]		
	3. order=5	for EMAPA:17969	

Modified Compone	ent 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	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:17969) male(EMAPA:17969)	31), male reproduc 58), genital tuber , glans of male g (252), mesenchyme	l tive cle of enital
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: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:17381), 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)] 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:17368), male associated 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:29254)]		tive ed reproductive bercle of enital
			EMAPA:16103), ductive tive ed reproductive bercle of enital
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 19), organ system(IAPA:16245), repro 1), male reproduc 18), genital tuber	EMAPA:16103), ductive tive

Modified Component 479			
	male(EMAPA:17969), glans of male genital tubercle(EMAPA:29252), mesenchyme of glans of male genital tubercle(EMAPA:29254)] 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	

Modified Component 480				
ID	EMAPA:29256	Is Group Term	false	
Name	surface epithel tubercle	surface epithelium of glans of male genital tubercle		
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:29252[gla	ans of male genit	al tubercle]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:1796 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), glans of male genital tubercle(EMAPA:29252), surface epithelium of glans		
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA male(EMAPA:1796 tubercle(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), glans of male genital tubercle(EMAPA:29252), surface epithelium of glans of male genital tubercle(EMAPA:29252), surface epithelium of glans of male genital tubercle(EMAPA:29256)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(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)]		
	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA male(EMAPA:1796 tubercle(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), 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)] 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:29252), surface epithelium of glans of male genital tubercle(EMAPA:29256)]		em(EMAPA:16103), eproductive ductive eiated reproductive tubercle of e genital epithelium of glans	

Modified Component 480				
	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), surface epithelium of glans of male genital tubercle(EMAPA:29256)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29252>			
	2. order	=0 for EMAPA:2925	2	

Modified Componer	nt 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(PA:16103), viscera), reproductive 1), male reproduc 8), labioscrotal , surface epithel ling of male(EMAP	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:17988), male external genitalia(EMAPA:30977), labioscrotal swelling of male(EMAPA:30509), surface epithelium of labioscrotal swelling of male(EMAPA:30515)]		
	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), surface epithelium of labioscrotal swelling of male(EMAPA:30515)] 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), surface epithelium of		
Rule Status	PASSED	ling of male(EMAP	CHANGED
Comments	1. Differen no order entries; for EMAPA:30509>	t Order - Referen This Component h	ced Component has
	2. order=0	for EMAPA:30509	

Modified Component 482			
ID	EMAPA:30512	Is Group Term	false
Name	mesenchyme of labioscrotal swelling of male		
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:30509[labio	scrotal swelling o	of male]

Modified Component 482			
Group Parents	C 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:30512)]		
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: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), 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		

Modified Component 483			
ID	EMAPA:29202	Is Group Term	false
Name	mesenchyme of deg duct of male	enerating rest of	paramesonephric
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:29196[degen duct of male]	erating rest of pa	aramesonephric
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 paramesonephric d	1), male reproduct 8), degenerating that uct of male(EMAPA enerating rest of	l tive rest of :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), mesenchyme of degenerating rest of paramesonephric duct of male(EMAPA:29202)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Referend This Component ha	

Modified Compor	odified 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	al genital tubercl	Le of male]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA) organ(EMAPA:1624! system(EMAPA:1738 system(EMAPA:17969 male(EMAPA:17969	81), male reproduc 68), genital tuber), distal genital), mesenchyme of c	al ctive ccle of tubercle of	
Alternate Paths	organ system(EMA) organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 structure(EMAPA: male(EMAPA:17969	81), male reproduc 68), male associat 28533), genital tu), distal genital), mesenchyme of c	al ctive ced reproductive abercle of tubercle of	
	organ system(EMA) organ(EMAPA:1624! system(EMAPA:1738 system(EMAPA:1798) genitalia(EMAPA: male(EMAPA:17969) 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), mesenchyme of distal genital tubercle of male(EMAPA:29205), organ system(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), mesenchyme of distal genital tubercle of male(EMAPA:29205), mesenchyme of distal genital tubercle of male(EMAPA:29207)]		
	embryo(EMAPA:160 visceral organ(EI system(EMAPA:1736 system(EMAPA:1796) structure(EMAPA: 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), mesenchyme of distal genital tubercle of male(EMAPA:29205)]			
	embryo(EMAPA:160) visceral organ(EI system(EMAPA:173) system(EMAPA:179) genitalia(EMAPA: male(EMAPA:1796)	tomy(EMAPA:0), mou 39), organ system(MAPA:16245), repro 81), male reproduc 68), male external 30977), genital tu), distal genital), mesenchyme of c (EMAPA:29207)]	EMAPA:16103), oductive ctive because of tubercle of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries for EMAPA:29205>	; This Component h	nced Component has nas order entry <1	
	2. order=1	for EMAPA:29205		

Modified Compon	ent 485			
ID	EMAPA: 29205	Is Group Term	false	
Name		distal genital tubercle of male		
Starts At	TS21	Ends At	TS22	
Primary Parents	EMAPA: 17969 [gen	ital tubercle of ma	ale]	
Group Parents			-	
Synonyms	[glans of male]			
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 male(EMAPA:1796	my(EMAPA:0), mouse(APA:16103), viscera 45), reproductive 381), male reproduc 968), genital tuber 9), distal genital 5)]	al ctive ccle of	
Alternate Paths	organ system(EM organ(EMAPA:162 system(EMAPA:17 system(EMAPA:17 structure(EMAPA male(EMAPA:1796 male(EMAPA:2920	male(EMAPA:29205)] 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)]		
	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), distal genital tubercle of male(EMAPA:29205)]		
	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), distal genital tubercle of male(EMAPA:29205)]		
	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), distal genital tubercle of male(EMAPA:29205)]		
	embryo(EMAPA:16 visceral organ(system(EMAPA:17 system(EMAPA:17 genitalia(EMAPA	atomy(EMAPA:0), mou 039), organ system(EMAPA:16245), repro 381), male reproduc 968), male external :30977), genital tu 9), distal genital 5)	EMAPA:16103), oductive ctive bercle of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		ent Order - Referer s; This Component h >		
	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				

Modified Componer	nt 486
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), surface epithelium of 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), surface epithelium of distal genital tubercle of male(EMAPA:29209)]
	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), surface epithelium of 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), surface epithelium of distal genital tubercle of male(EMAPA:29209)]
	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:29209)]
	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), surface epithelium of distal genital tubercle of male(EMAPA:29209)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29205>
	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		

Modified Component 487				
		5), urinary system A:17373), renal in B)]		
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. order=26	for EMAPA:17373		

Modified Component 488			
ID	EMAPA:30560	Is Group Term	false
Name	mesonephric glome	rulus 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 - Referen This Component h	
	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	visceral organ(EM	9), organ system(APA:16245), genit 7), mesonephros(E	EMAPA:16103), ourinary MAPA:16744),

Modified Component 489				
	mesonephric tubu	le(EMAPA:30562)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments		ent Order - Referen ; This Component h		
	2. order=0	for EMAPA:27588		

Modified Component 490			
ID	EMAPA:30565	Is Group Term	false
Name	rest of cranial m	rest of cranial mesonephric tubule	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:30562[crani	al mesonephric tul	bule]
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), mou 9), organ system(APA:16245), genit 7), mesonephros(E e(EMAPA:27588), c e(EMAPA:30562), r e(EMAPA:30565)]	EMAPA:16103), ourinary MAPA:16744), ranial
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Differen no order entries; for EMAPA:30562>	t Order - Referen This Component h	ced Component has as order entry <1
	2. order=1	for EMAPA:30562	

Modified Component 491			
EMAPA:30568	Is Group Term	false	
mesonephric glome	rulus		
TS17	Ends At	TS18	
EMAPA:30562[crani	al mesonephric tul	bule]	
[]			
organ system(EMAP organ(EMAPA:16245 system(EMAPA:1636 mesonephric tubul mesonephric tubul	A:16103), viscera), genitourinary 7), mesonephros(El e(EMAPA:27588), c e(EMAPA:30562), m	l MAPA:16744), ranial	
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 glomerulus(EMAPA:30568)]			
PASSED	Edit Status	CHANGED	
	EMAPA: 30568 mesonephric glome TS17 EMAPA: 30562[crani [] [Abstract anatomy organ system(EMAPA organ (EMAPA: 16245 system(EMAPA: 1636 mesonephric tubul glomerulus(EMAPA: 1630 visceral organ(EMAPA: 1603 visceral organ(EMAPA: 1636 mesonephric tubul glomerulus(EMAPA: 1636 mesoneph	mesonephric glomerulus TS17 Ends At EMAPA:30562[cranial mesonephric tul [] [Abstract anatomy(EMAPA:0), mouse() organ system(EMAPA:16103), visceral organ(EMAPA:16245), genitourinary system(EMAPA:16367), mesonephros(E) mesonephric tubule(EMAPA:27588), c: mesonephric tubule(EMAPA:30562), mesonephric tubule(EMAPA:30562), mesonephric tubule(EMAPA:30562), mesonephric tubule(EMAPA:30568)] 1. [Abstract anatomy(EMAPA:0), mousembryo(EMAPA:16367), mesonephros(EMAPA:16367), mesonephros(EMAPA:16367), mesonephric tubule(EMAPA:27588), c: mesonephric tubule(EMAPA:30562), mesonephric tubule(EMAPA:30562), mesonephric tubule(EMAPA:30568)] PASSED Edit Status 1. Different Order - Reference order entries; This Component has	

Modified Component 491 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			

Modified Componen	t 494			
Primary Parents	EMAPA: 27659[meson	ephric tubule]		
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 mesonephric tubul mesonephric tubul	A:16103), viscer b), reproductive cl), mesonephros(e(EMAPA:27659),	al 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), 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	for EMAPA:27659		

Modified Componen	it 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	organ system(EMAP organ(EMAPA:16245	1), mesonephros(Ele(EMAPA: 27659), c	l MAPA:27644), ranial

Г

Modified Component 496			
	mesonephric tubul	e(EMAPA:30578)]	
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), rest of cranial mesonephric tubule(EMAPA:30578)]		
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	

E143 D3 + 00 E 00		Modified Component 498			
EMAPA: 28500 Is Group Term true					
early tubule					
TS22	Ends At	TS27			
EMAPA:17952[renal	cortex]				
[]					
[Abstract anatomy(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)]					
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)]					
PASSED	Edit Status	CHANGED			
	TS22 EMAPA:17952[renal [] [Abstract anatomy organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795 1. [Abstract anatembryo(EMAPA:1603 visceral organ(EMAPA:1736 renal cortex(EMAPA tubule(EMAPA:2850)	TS22 Ends At EMAPA:17952[renal cortex] [] [Abstract anatomy(EMAPA:0), mouse(1) organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system metanephros(EMAPA:17373), renal cortex(EMAPA:17952), early tubule(1) 1. [Abstract anatomy(EMAPA:0), mousembryo(EMAPA:16039), organ system(1) visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17366), metanephros(EMAPA:17366), early tubule(EMAPA:28500)]			

Modified Component 498				
	1. Different Order - Referenced Component has no order entries; This Component has order entry <13 for EMAPA:17952>			
	2. order=13 for EMAPA:17952			

Modified Componen	t 499			
ID	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 inte	erstitium of rena	l corpuscle	
Starts At	TS22	Ends At	TS27	
Primary Parents		al interstitium villary loop rena		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 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), capillary loop renal corpuscle(EMAPA:27907), associated interstitium of renal corpuscle(EMAPA:27925)]		
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMAPA:285	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)]		
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 stage nephron Grenal corpuscle			
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 cortex(EMAPA:17	IAPA:16103), visc	e(EMAPA: 28527),	

Modified Componen	t 500		
	associated interstitium of renal corpuscle(EMAPA:27925)]		
	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), associated interstitium of renal corpuscle(EMAPA:27925)]		
	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:27925)]		
	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 has no order entries; This Component has order entry <0 for EMAPA:27907>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28518>		
	3. order=0 for EMAPA:27907 order=1 for EMAPA:28518		

Modified Component 501					
ID	EMAPA: 28547				
Name	allantois				
Starts At	TS20	TS20 Ends At TS21			
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), allantois(EMAPA:28547)]				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),				

Modified Component 501				
	embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), allantois(EMAPA:28547)]			
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 Component 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 cortex(EMAPA:1795	:17373), renal 2), late tubule(E	MAPA:28527),	

Modified Componen	Modified Component 503			
	capillary loop renal corpuscle(EMAPA:27907), visceral epithelium(EMAPA:27913)]			
	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)]			
	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), visceral epithelium(EMAPA:27913)]			
	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), visceral epithelium(EMAPA:27913)] 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:279013)]			
	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), visceral epithelium(EMAPA:27913)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:27907>			
	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),		

Modified Componen	t 504			
	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)]			
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA GROUP(EMAPA:17954 corpuscle(EMAPA:2		l (EMAPA:17366), ohron	
	<pre>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)]</pre>			
	5. [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 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)]		EMAPA:16103), ry MAPA:17373),	
	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 syst	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)]			

Modified Component 505				
Rule Status	PASSED	Edit Status	CHANGED	
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		

Modified Component 506				
ID	EMAPA: 27943	Is Group Term	false	
Name	maturing renal	corpuscle		
Starts At	TS22	Ends At	TS27	
Primary Parents	GROUP] EMAPA: 28 EMAPA: 28445[sta	EMAPA:17952[renal cortex] EMAPA:17954[early nephron GROUP] EMAPA:28485[maturing nephron] EMAPA:28445[stage IV immature nephron] EMAPA:28527[late tubule]		
Group Parents				
Synonyms	[renal corpusc:	le of Stage IV ne	ephron]	
Primary Path	organ system(Ellorgan(EMAPA:16: metanephros(EM	MAPA:16103), visc 245), urinary sys APA:17373), renal 7952), maturing n	stem(EMAPA:17366), L	
Alternate Paths	organ system(El organ(EMAPA:16: metanephros(EM	MAPA:16103), visc 245), urinary sys APA:17373), stage 28445), maturing	stem(EMAPA:17366), e IV immature	
	organ system(El organ(EMAPA:16: metanephros(EM cortex(EMAPA:1	MAPA:16103), visc	stem(EMAPA:17366), L Le(EMAPA:28527),	
	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)] 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)] 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)]			
	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)]			
	7. [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), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943)]		cem(EMAPA:16103), rinary os(EMAPA:17373),	
			mouse(EMAPA:25765), tem(EMAPA:16103),	

Modified Component 506				
	<pre>visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), 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)]</pre>			
Rule Status	PASSED	Edit Status	CHANGED	
Comments			nced Component has has order entry <0	
			nced Component has has order entry <0	
			nced Component has has order entry <1	
	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 for EMAPA:28445 order=0 for EMAPA:28485 order=1 for EMAPA:28527 order=9 for EMAPA:17954 order=4 for EMAPA:17952			

7. 1151-1 G					
Modified Componen	ent 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			
Name	maturing glomerular tuft			
Starts At	TS22 Ends At TS27			

Modified Compon	
Primary Parents	EMAPA:27943[maturing renal corpuscle]
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

Modified Component 508				
	corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949)]			
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 str	ucture	
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	gium		
Starts At	TS22	Ends At	TS27	
Primary Parents		interstitium gro lary loop 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), capillary loop renal corpuscle(EMAPA:27907), presumptive mesangium(EMAPA:27931)]			
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), 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			

Modified Component 510 mesangium(EMAPA:27931)] [Abstract anatomy(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)] 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), 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 Edit Status CHANGED Different Order - Referenced Component has no order entries; This Component has order entry <2 Comments for EMAPA: 28518> 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

Modified Component 511				
ID	EMAPA:27937	Is Group Term	false	
Name	presumptive endot	presumptive endothelium of renal corpuscle		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:28457[renal vasculature] EMAPA:27907[capillary loop renal corpuscle]			
Group Parents	rents			
		<u> </u>		

Madisiad Campana	-1. 511
Modified Componer	The state of the s
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 endothelium of
	renal corpuscle(EMAPA:27937)]
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), 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)]
	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), capillary loop renal corpuscle(EMAPA:27907), presumptive endothelium of renal corpuscle(EMAPA:27937)]
	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), 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(EMAPA:17952), 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),

Modified Component 511					
	visceral 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)				
	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 EMAP.	for EMAPA:27907 A: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 adve	ntitia]		
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:17952[renal cortex] EMAPA:28506[developing capillary loop stage nephron GROUP] EMAPA:17954[early nephron GROUP] EMAPA:28527[late tubule]			
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)]			

Modified Component 513 [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), Alternate Paths 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 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)] [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)] [Abstract anatomy(EMAPA:0), mouse(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)] PASSED Edit Status CHANGED Rule Status 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <0 2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28527> 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> 5. 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]			

Modified Componen	t 514		
Group Parents			
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 Component 515				
ID	EMAPA:27901	Is Group Term	false	
Name	parietal epithel	ium		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA:27883[prox	imal segment of s-	shaped body]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179 proximal segment	y(EMAPA:0), mouse(PA:16103), viscera 5), urinary system A:17373), renal 52), s-shaped body of s-shaped body(ium(EMAPA:27901)]	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), proximal segment of s-shaped body(EMAPA:27883), parietal epithelium(EMAPA:27901)]			
	organ system(EMA organ(EMAPA:1624 metanephros(EMAP GROUP(EMAPA:1795 proximal segment	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), 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:27901)] 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), parietal epithelium(EMAPA:27901)]			
	embryo(EMAPA:160 visceral organ(E	tomy(EMAPA:0), mou 39), organ system(MAPA:16245), urina 66), metanephros(E	EMAPA:16103),	

Modified Component 515			
	early nephron GROUP(EMAPA:17954), s-shaped body(EMAPA:27853), proximal segment of s-shaped body(EMAPA:27883), parietal epithelium(EMAPA:27901)]		
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	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	<pre>lepithelium(EMAPA:27967)] 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), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal</pre>		

Modified Component 517 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), 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)] 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), 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)] [Abstract anatomy(EMAPA:0), mouse(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:17352), late tubule(EMAPA:28527), maturing renal corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), visceral epithelium(EMAPA:27967)] 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), 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)] Rule Status PASSED Edit Status CHANGED 1. Different Order - Referenced Component has no order entries; This Component has order entry <2 Comments

Modified Component 518			
ID	EMAPA:29196	Is Group Term	false
Name	degenerating rest of paramesonephric duct of male		
	1		

order=2 for EMAPA:27949

for EMAPA:27949>

2.

Modified Component 518			
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:17968[male	reproductive system	em]
Group Parents			
Synonyms	[degenerating Mll	erian 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. Different Synonyms - Referenced Component EMAPA:29196 has synonyms [degenerating Müllerian duct, degenerating Mllerian duct]		
	3. order=1	for EMAPA:17968	

Modified Component 519			
ID	EMAPA:29199	Is Group Term	false
Name	epithelium of deg duct of male	enerating rest of	paramesonephric
Starts At	TS22	Ends At	TS23
Primary Parents	EMAPA:29196[degen duct of male]	erating rest of pa	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:17368), 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	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29196>		
	2. order=0	for EMAPA:29196	

Modified Component 520				
ID	EMAPA: 27955	Is Group Term	false	
Name	glomerular capill tuft	ary system of mat	uring glomerular	

Modified Compon	ment 520
Starts At	TS22 Ends At TS27
Primary Parents	EMAPA:27949[maturing glomerular tuft] EMAPA:28457[renal vasculature] EMAPA:31469[small 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),

Modified Component 520 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28457), glomerular capillary system of maturing glomerular 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:17376), 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:1752), metanephros(EMAPA:17373) 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), ropal gortox(EMAPA:17852), late 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:1732), 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)] Rule Status Edit Status CHANGED 1. Different Order - Referenced Component has no order entries; This Component has order entry <0 Comments for EMAPA: 27949> Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA: 28457> 3. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA: 31469> 4. order=0 for EMAPA:27949 order=1 for EMAPA:28457 order=5 for EMAPA:31469

Modified Component 521			
ID	EMAPA:29181	Is Group Term	false

Modified Component 521			
Name	epithelium of rest of nephric duct of male		
Starts At	TS21	Ends At	TS23
Primary Parents	EMAPA:29173[nephric duct of m	ale, 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), 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. ord	ler=0 for EMAPA:29	173

Modified Compor		T-: G-:	false		
ID	EMAPA: 27961	Is Group Term	Iaise		
Name	glomerular me	glomerular mesangium			
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA:28518[r EMAPA:27949[m	EMAPA:28518[renal interstitium group] EMAPA:27949[maturing glomerular tuft]			
Group Parents					
Synonyms	[]				
Primary Path	organ system() organ(EMAPA:1 metanephros(E) cortex(EMAPA: corpuscle(EMA) tuft(EMAPA:27	[Abstract anatomy(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			

Modified Component 522

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 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)]
- 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 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 cortex(EMAPA:17952), 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:17952), 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

Comments

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

Madisian Gamanas 500					
Modified Componer	1t 523				
ID	EMAPA:29185	Is Group Term	false		
Name	paramesonephric duct of male, rest of				
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[paramesonephric 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), 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					
		-			

Modified Component 525			
Synonyms	[]		
Primary Path	[Abstract anatomy(organ system(EMAPA organ(EMAPA:16245) system(EMAPA:17381 system(EMAPA:17968 rest of(EMAPA:2918 paramesonephric du	:16103), viscera , reproductive), male reproductive), paramesonephres), mesenchyme of	ative ric duct of male, of 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 f	or EMAPA:29185	

Modified Component 526				
ID	EMAPA: 27985	Is Group Term	false	
Name	urinary space	urinary space of renal corpuscle		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA: 27973[Bo	wman's capsule]		
Group Parents				
Synonyms	[Bowman's space	e]		
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 corpuscle(EMAPA capsule(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), urinary space of renal corpuscle(EMAPA:27985)]		
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), urinary space of renal corpuscle(EMAPA:27985)]		ceral stem(EMAPA:17366), e IV immature renal	
	organ system(E) organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 maturing renal capsule(EMAPA: corpuscle(EMAPA: 3. [Abstract a: organ system(E) organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 maturing renal	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)] 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:2576 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)]		mouse(EMAPA:25765), ceral stem(EMAPA:17366), nephron enal	

Modified Componen	t 526	
	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), urinary space of renal corpuscle(EMAPA:27985)]	
	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), urinary space of renal corpuscle(EMAPA:27985)]	
	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), urinary space of renal corpuscle(EMAPA:27985)]	
	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), urinary space of renal corpuscle(EMAPA:27985)]	
	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), urinary space of renal corpuscle(EMAPA:27985)]	
Rule Status	PASSED Edit Status CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:27973>	
	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

Modified Component 527				
	arteriole(EMAPA:27991)]			
	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 order=2 for EMAPA	for EMAPA:27943 a:28457		

Modified Component 528				
ID	EMAPA: 27979	Is Group Term	false	
Name	parietal epithel	parietal epithelium		
Starts At	TS22	Ends At	TS27	
Primary Parents	EMAPA: 27973 [Bown	nan's capsule]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA cortex(EMAPA:179 corpuscle(EMAPA: capsule(EMAPA:27	[Abstract anatomy(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 epithelium(EMAPA:27979)]		
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), parietal epithelium(EMAPA:27979)]		l (EMAPA:17366), 'immature	
	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA cortex(EMAPA:179 maturing renal c capsule(EMAPA:27	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), parietal epithelium(EMAPA:27979)]		
	3. [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), maturing nephron(EMAPA:26 maturing renal corpuscle(EMAPA:27943), Bowman capsule(EMAPA:27973), parietal epithelium(EMAPA:27979)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25° 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)]		.1 (EMAPA:17366), .ron(EMAPA:28485),	
			l (EMAPA:17366), phron	
5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:embryo(EMAPA:16039), organ system(EMAPA:161 visceral organ(EMAPA:16245), urinary		EMAPA:16103),		

Modified Componen	t 528		
	<pre>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)]</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(EMAPA:16103), visceral			

Modified Component 529 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)] [Abstract anatomy(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)] 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)] 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)] [Abstract anatomy(EMAPA:0), mouse(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)] 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)] 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)] 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 Different Order - Referenced Component has no order entries; This Component has order entry <1 Comments for EMAPA:27943> 2. order=1 for EMAPA: 27943

ID	EMAPA:16745	Is Group Term	false	
Name	associated mese	associated mesenchyme		
Starts At	TS15	Ends At	TS16	
Primary Parents	EMAPA:16744[mes	EMAPA:16744[mesonephros]		
Group Parents				

Modified Component 530			
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), 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 Component 532				
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. Differen no order entries;		ced Component has as order entry <1	

Modified Component 532				
	for EMAPA:16744>			
	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), non-tubular 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), non-tubular 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	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), 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

Modified Component 535				
Primary Parents				
Group Parents	EMAPA:17373[metar	nephros]		
Synonyms	[]			
Primary Path	organ system(EMAI		1	
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 Component 536				
ID	EMAPA:28494	Is Group Term	true	
Name	ureteric trunk			
Starts At	TS22	Ends At	TS28	
Primary Parents		•		
Group Parents	EMAPA: 28407[coll EMAPA: 17373[meta			
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAI	[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)]		
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 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				

Modified Component 537			
Name	maturing nephron		
Starts At	TS23	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:17952[renal	cortex]	
Synonyms	[stage IV nephron	1]	
Primary Path Alternate Paths	[Abstract anatomy(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)] 1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103),		
	<pre>visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485)]</pre>		
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		

Modified Component 539			
ID	EMAPA:28457	Is Group Term	true
Name	renal vasculature		
Starts At	TS21	Ends At	TS28
Primary Parents			
Group Parents	EMAPA:31563[developing vasculature of urinary system GROUP] EMAPA:17366[urinary system]		
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)]		

Modified Component 539				
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)]			
	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 Componen	t 541		
ID	EMAPA:28425	Is Group Term	true
Name	nephric duct grou	р	
Starts At	TS17	Ends At	TS18
Primary Parents			
Group Parents	EMAPA:16367[genitourinary 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		

Modified Component 541			
	system(EMAPA:1636 group(EMAPA:28425	7), nephric duct	
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 Componen	t 542				
ID	EMAPA:28429	EMAPA: 28429 Is Group Term true			
Name	nephric duct grou	p			
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 Componen	t 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		

Modified Compon	ment 544
Starts At	TS25 Ends At TS28
Primary Parents	EMAPA:28396[distal straight 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), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
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), distal straight tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]
	<pre>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), postmacula segment(EMAPA:28402)]</pre>
	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), 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)]
	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), postmacula segment(EMAPA:28402)]
	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), postmacula segment(EMAPA:28402)]
	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
lsegment (EMAPA: 28402)
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), postmacula
segment(EMAPA:28402)]
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), 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 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
                             postmacula
tubule(EMAPA: 28396)
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
```

tubule(EMAPA:28396), postmacula segment(EMAPA:28402)]

Modified Component 544

```
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), 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), postmacula segment(EMAPA:28402)]
- 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 tubule(EMAPA:28396), postmacula

w. 1'.5' - 1. g	. 544		
Modified Componen		001	
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP tubule(EMAPA:1897	tomy(EMAPA:0), more 9), organ system(1APA:16245), urina:6), metanephros(ElA:17952), cortica:6), cortical rena:0UP(EMAPA:31566), 6), postmacula	EMAPA:16103), ry MAPA:17373), l renal l tubule of
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal cortex(EMAP tubule(EMAPA:1897	7), distal straigl 6), postmacula	EMAPA:16103), ry MAPA:17373), l renal
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRC tubule(EMAPA:1897	tomy(EMAPA:0), mon 9), organ system(1 APA:16245), urina: 6), metanephros(El UP(EMAPA:17954), 6), cortical rena: OUP(EMAPA:31566), 6), postmacula 02)]	EMAPA:16103), ry MAPA:17373), cortical renal l tubule of
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRC tubule(EMAPA:1897	7), distal straigl 6), postmacula	EMAPA:16103), ry MAPA:17373), cortical renal
Rule Status	PASSED	Edit Status	CHANGED
Comments		t Order - Reference This Component ha	
	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:17373[metan collecting duct g	ephros] EMAPA:284 roup]	77[primitive	
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)]		EMAPA:16103), ry MAPA:17373),	
	3. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),	

Modified Component 545					
	<pre>embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), ureteric trunk(EMAPA:28405)]</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:28477>				
	no order		This Compor	eferenced Comp ent has order	
		order=15 for EMAPA	for EMAPA:1 :28477	.7373	

Modified Compone	ent 546		
ID	EMAPA: 28387	Is Group Term	false
Name	renal distal tub	ule	JL
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:18976[cort:	ical renal tubule]	<u> </u>
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA cortex(EMAPA:179 tubule(EMAPA:189	[Abstract anatomy(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)]	
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), renal distal tubule(EMAPA:28387)]	
	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)] 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: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:28387)]		l (EMAPA:17366), immature
			l (EMAPA:17366), MAPA:28527),
	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA) cortex(EMAPA:179	52), maturing neph ubule(EMAPA:18976)	l (EMAPA:17366), ron(EMAPA:28485),
	organ system(EMA)	tomy(EMAPA:0), mou PA:16103), viscera 5), urinary system A:17373), early ne	1 (EMAPA:17366),

```
Modified Component 546
                             GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal 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)]
                             [Abstract 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)]
                             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 distal
                             tubule(EMAPA: 28387)]
                             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)]
Rule Status
                             PASSED
                                                          Edit Status
                                                                                        CHANGED
                                      1. Different Order - Referenced Component has
Comments
                             no order entries; This Component has order entry <4
                             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:28457[renal vasculature] EMAPA:17366[urinary system] EMAPA:31450[renal venous system]		
Group Parents			
		_	_

Modified Compo	W
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)]
Alternate Paths	 [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 organ system(EMAP	(EMAPA:0), mouse(l A:16103), viscera	EMAPA:25765), l	

Modified Compor	ent 548
	organ(EMAPA:16245), urinary system(EMAPA:17366), renal artery(EMAPA:28373)]
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)]
	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)]
	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)]
	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)]
	<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 artery(EMAPA:28373)]</pre>
	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)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has 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 EMAPA:17366 order=5 for EMAPA:28457 order=0 for EMAPA:31436

Modified Componen	it 549		
ID	EMAPA:28370	Is Group Term	false
Name	inner medullary c	ollecting duct	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:28349[inner medulla] EMAPA:28494[ureteric trunk]		
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		

Modified Componer	nt 549		
	medulla(EMAPA:19279), inner medulla(EMAPA:28349), inner medullary collecting duct(EMAPA:28370)]		
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), inner medullary collecting duct(EMAPA:28370)]		
	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), inner medullary collecting duct(EMAPA:28370)]		
	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)]		
	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), inner medullary collecting duct(EMAPA:28370)]		
	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)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28349>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA: 28494>		
	3. order=2 for EMAPA:28349 order=3 for EMAPA:28494		

Modified Compone		1		
ID	EMAPA:16858	Is Group Term	false	
Name	gonadal mesenchym	ne		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16857[gonad	l]		
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	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1636	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	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:16857>			

Modified Component	t 550				
	2.	order=1	for	EMAPA:16857	

Modified Component 551				
ID	EMAPA:16859	Is Group Term	false	
Name	primordial germ c	ells		
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]	
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 tubule			
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28387[renal distal tubule] EMAPA:31566[cortical renal tubule of mature nephron GROUP]			
Group Parents				

Modified Componer	nt 553
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 tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396)]
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), distal straight tubule(EMAPA:28396)]
	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)]
	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)]
	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), distal straight tubule(EMAPA:28396)]
	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 tubule(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),

Modified Component 553				
	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)]			
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	EMAPA: 28399	Is Group Term	false	
	macula densa	Is Gloup Telm	Tarse	
Name			TS28	
Starts At	TS25	Ends At		
Primary Parents		tal straight tub		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 tubule(EMAPA:18 tubule(EMAPA:28	MPA:16103), visc (45), urinary sys (PA:17373), renal (952), cortical r (976), renal dist (387), distal str	etem(EMAPA:17366), enal al	
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:18 mature nephron tubule(EMAPA:28	MAPA:16103), visc 145), urinary sys MA:17373), matur 18491), cortical 1976), cortical r GROUP(EMAPA:3156 1396), macula den	tem(EMAPA:17366), e renal enal tubule of 6), distal straight sa(EMAPA:28399)]	
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:18 tubule(EMAPA:28	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:283976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)] 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:18 mature nephron			
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 tubule(EMAPA:18 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 distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]		
	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17	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), juxtaglomerular complex(EMAPA:30449), macula densa(EMAPA:28399)] 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), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]
```

- 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:17366), 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:1752), developing capitlary
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),

Modified Componer	nt 554		
	renal cortex(EMAPA:17952), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straigh tubule(EMAPA:28396), macula densa(EMAPA:28399)]	ıt	
	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), maturing nephron(EMAPA:28485), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal straight tubule(EMAPA:28396), macula densa(EMAPA:28399)]),	
	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 straigh 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(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal straigh 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 for EMAPA: 28396>		
	2. Different Order - Referenced Component h no order entries; This Component has order entry 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	EMAPA:31566[cortical renal tubule of mature nephron GROUP] EMAPA:28387[renal distal tubule]			
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			

Modified Component 555 cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted tubule(EMAPA: 28393) [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 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)] [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(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), distal convoluted tubule (EMAPA: 28393)] [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)] [Abstract anatomy(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)] [Abstract anatomy(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)]

Modified Component 555

```
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), distal convoluted tubule(EMAPA:28393)]
- 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), metanephros(EMAPA:17373), early nephron GROUP(EMAPA:17954), cortical renal tubule(EMAPA:18976), renal distal tubule(EMAPA:28387), distal convoluted

Modified Component 555				
	tubule(EMAPA:28393)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28387>			
	2. order=1	for EMAPA:28387		

ID	EMAPA: 2839	0 Is Group Term	false
Name	early dist		
Starts At	TS25	Ends At	TS27
Primary Parents	EMAPA: 2838	7[renal distal tubu	le1
Group Parents			
Synonyms			
Primary Path	[Abstract organ syst organ(EMAP metanephro cortex(EMA tubule(EMA	anatomy(EMAPA:0), mem(EMAPA:16103), visto an architecture (EMAPA:16103), visto an architecture (EMAPA:17373), renal distribute (EMAPA:17952), cortical (PA:18976), renal distribute (PA:28387), early distribute (PA:28390)]	sceral ystem(EMAPA:17366), al renal stal
Alternate Paths			
	organ syst organ(EMAP metanephro cortex(EMA cortical r	em(EMAPA:16103), vista:16245), urinary system(EMAPA:17373), renapa:17952), maturing tenal tubule(EMAPA:18PA:28387), early dispensive services and services are services as the services are services are services as the services are services as the services are services are services as the services are services as the services are services are services as the servi	ystem(EMAPA:17366), al nephron(EMAPA:28485), 8976), renal distal
	organ syst organ(EMAP metanephro	ct anatomy(EMAPA:0) em(EMAPA:16103), vi: A:16245), urinary s s(EMAPA:17373), ear A:17954), cortical	ystem(EMAPA:17366), ly nephron

```
Modified Component 556
                               tubule(EMAPA:18976), renal distal
                               tubule(EMAPA:28387), early distal
                              ltubule(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:28390)]
                              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:17952), 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:17366), metanephros(EMAPA:17373), renal cortex(EMAPA:1732), 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)]
Rule Status
                               PASSED
                                                            Edit Status
                                                                                           CHANGED

    Different Order - Referenced Component has
no order entries; This Component has order entry <0</li>

Comments
                               for EMAPA: 28387>
                                              order=0 for EMAPA:28387
                                        2.
```

Modified Component 557				
ID EMAPA: 28337 Is Group Term false				
Name	outer medullary interstitium			

Modified Component 557				
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28518[renal EMAPA:28310[outer	interstitium gromedulla]	up]	
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)]			
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)]			
	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)]			
	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)]			
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>			
	<pre>2. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:28518></pre>			
	3. order=1 for EMAPA:28310 order=8 for EMAPA:28518			

Modified Component 558				
ID	EMAPA:28346	Is Group Term	false	
Name	outer medullary c	ollecting duct		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28494[urete medulla]	ric trunk] EMAPA:	28310[outer	
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 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),			

Modified Component 558					
	outer medullary c	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), 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 order=2 for EMAPA	for EMAPA:28310 :28494			

Modified Component 559					
ID	EMAPA:17948	Is Group Term	false		
Name	pelvis				
Starts At	TS21	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), 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 me	edullary portion]	
Group Parents				
Synonyms	[]			

Modified Component 560				
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	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 descending limb(EMAPA:28325)]			
	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), thin descending limb(EMAPA:28325)]			
	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), thin descending limb(EMAPA:28325)]			
	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)]			
	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 descending limb(EMAPA:28325)]			
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 me	edullary portion]	
Group Parents				
Synonyms	[ascending thin limb]			
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 loop of Henle, ou	79), outer medullater medullary 22), thin ascending	l (EMAPA:17366), a(EMAPA:28310),	

Modified Componer	nt 561			
Alternate Paths	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA nephron(EMAPA:284 group(EMAPA:19280	91), Loop of Henle,), loop of Henle, 22), thin ascending	L (EMAPA:17366), e outer medullary	
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192 group(EMAPA:19280	79), Loop of Henle,), loop of Henle, 22), thin ascending	l (EMAPA:17366), e outer medullary	
	3. [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) mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, outer meduportion(EMAPA:28322), thin ascending limb(EMAPA:28328)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA medulla(EMAPA:283	10), loop of Henle (EMAPA: 28322), thi	EMAPA:16103), CY MAPA:17373), e, outer	
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA group(EMAPA:19280	omy(EMAPA:0), mous 9), organ system(F APA:16245), urinan 6), metanephros(EM PA:19279), Loop of), loop of Henle, 22), thin ascendin]	EMAPA:16103), ry MAPA:17373), E Henle outer medullary	
Rule Status	PASSED	Edit Status	CHANGED	
Comments		t Order - Referenc This Component ha		
	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 Compon	ent 563			
ID	EMAPA: 28331	Is Group Term	false	
Name	premacula segme	ent of distal str	aight tubule	
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28322[loc	p of Henle, oute	r medullary portion]	
Group Parents				
Synonyms	[thick ascendin	g limb]		
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA medulla(EMAPA:1 loop of Henle, portion(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 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	organ system(EM organ(EMAPA:162 metanephros(EMA nephron(EMAPA:2 group(EMAPA:192 portion(EMAPA:2	straight tubule(EMAPA:28331)] 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: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:28322), premacula segment of distal straight tubule(EMAPA:28322), premacula segment of distal straight tubule(EMAPA:28331)] 5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:17373), renal medulla(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(EMAPA:19279), Loop of Henle group(EMAPA:19280), loop of Henle, outer medullary portion(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		s; This Componen	renced Component has t has order entry <3	
	2. order=	3 for EMAPA:2832	2	

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 me	edullary portion]	

Modified Componen	t 564
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 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:28349[innerinterstitium grou	medulla] EMAPA:2 p]	8518[renal
Group Parents			
Synonyms	[papillary interstitium]		
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	organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera), urinary system	1

Modified Componen	t 565				
	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), 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>				
		order=1 for EMAPA	for EMAPA:28 :28518	349	

ID	EMAPA:28361	Is Group Term	false	
Name	thin ascending	limb		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28352[loo	p of Henle, inner	medullary portion]	
Group Parents				
Synonyms	[ascending thin	limb]		
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA medulla(EMAPA:1 loop of Henle, portion(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 medulla(EMAPA:19279), inner medulla(EMAPA:28349), loop of Henle, inner medullary portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]		
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMA nephron(EMAPA:2 group(EMAPA:192 portion(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), Loop of Henle group(EMAPA:19280), loop of Henle, inner medullary portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]		
	organ system(EM organ(EMAPA:162 metanephros(EMA medulla(EMAPA:1 group(EMAPA:192	APA:16103), visce 45), urinary syst PA:17373), renal 9279), Loop of He 80), loop of Henl 8352), thin ascer	cem(EMAPA:17366), enle le, inner medullary	
	3. [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), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner meduli portion(EMAPA:28352), thin ascending limb(EMAPA:28361)]			
	embryo(EMAPA:16	atomy(EMAPA:0), m 039), organ syste EMAPA:16245), uri		

Modified Component 566			
	renal medulla(EMA medulla(EMAPA: 283	49), loop of Henle (EMAPA: 28352), the	e, inner
	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 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	organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera), urinary system	1	

Modified Component 568				
	metanephros(EMAPA nephron(EMAPA:284 group(EMAPA:19280 portion(EMAPA:283	91), Loop of Henle,	e inner medullary	
	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)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 mature nephron(EM	omy(EMAPA:0), mou 9), organ system(APA:16245), urina 6), metanephros(E APA:28491), Loop), loop of Henle, 52)]	EMAPA:16103), ry MAPA:17373), of Henle	
	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 < 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 me	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	limb(EMAPA:28355)] 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)]		
	organ system(EMAP	omy(EMAPA:0), mou A:16103), viscera), urinary system	1

Modified Component 569				
	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)]			
	3. [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), mature nephron(EMAPA:28491), Loop of Henle group(EMAPA:19280), loop of Henle, inner medulla portion(EMAPA:28352), thin descending limb(EMAPA:28355)]			
	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:28352			

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	
)[

Modified Component 571				
Name	nephrogenic interstitium			
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA: 28518[rena] EMAPA: 27721[neph	l interstitium gro rogenic zone]	up]	
Group Parents				
Synonyms	[peripheral blast	cema]		
Primary Path	organ system(EMAI organ(EMAPA:1624	y(EMAPA:0), mouse(PA:16103), viscera 5), urinary system A:17373), nephroge), nephrogenic PA:17953)]	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 A: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 GRO	UP		
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. Different Synonyms - Referenced Component EMAPA:17954 has synonyms [early tubule]			
	3. 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	female reproductive system		
Starts At	TS20	Ends At	TS28	
Primary Parents	EMAPA:17381[reproductive system]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy	(EMAPA:0), mouse(ЕМАРА:25765),	

Modified Component 575				
	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 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				
Name	mesovarium		-		
Starts At	TS20	Ends At	TS28		
Primary Parents	EMAPA:17959[femal EMAPA:28540[femal structure]	e reproductive sy e associated repr	stem] oductive		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738	(EMAPA:0), mouse(A:16103), viscera), reproductive 1), female reprod 9), mesovarium(EM	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 associated reproductive structure(EMAPA:28540), mesovarium(EMAPA:17961)]				
	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), female associated reproductive structure(EMAPA:28540), mesovarium(EMAPA:17961)]				
	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 for EMAPA:17959 order=0 for EMAPA:28540				

Modified Component 577					
ID	EMAPA:28322	Is Group Term	false		
Name	loop of Henle, outer medullary portion				
Starts At	TS25 Ends At TS28				
Primary Parents	EMAPA:19280[Loop	of Henle group] EN	MAPA:28310[outer		

Modified Compon	ent 577
_	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), loop of Henle, outer medullary portion(EMAPA:28322)]
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)]
	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)]
	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)]
	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)]
	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 Component has no order entries; This Component has order entry <0 for EMAPA:28310>
	3. order=0 for EMAPA:28310 order=0 for EMAPA:19280

Modified Component 578					
ID	EMAPA:17962				
Name	ovary				
Starts At	TS20	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 organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive				

Modified Component 578					
	system(E	MAPA:1795	9), ovary(EMAPA:1	7962)]	
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				
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 Component 579					
ID	EMAPA:17966				
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	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				

Modified Component 580					
	for EMAP	A:17962>			
	2.	order=3	for	EMAPA:17962	

Modified Component 581						
ID ID	EMAPA:17963	Is Group Term	false			
Name	surface epitheliu	m of ovary				
Starts At	TS20	TS20 Ends At TS28				
Primary Parents	EMAPA:17962[ovary	.]				
Group Parents						
Synonyms	[coelomic epithel	ium]				
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 syste external genitalia associated reprodu	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)]				
	embryo(EMAPA:1603 visceral organ(EM	comy(EMAPA:0), mous (9), organ system(l MAPA:16245), reprod (1), male reproduct	EMAPA:16103), ductive		

Modified Component 582					
	<pre>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)]</pre>				
	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>				
	4. order: order=0 for EM order=0 for EM		8		

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	[]		

Modified Component 584				
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)]			
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)]			
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 Component 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

Modified Component 586				
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 Component 588			
ID	EMAPA:17971	Is Group Term	false
Name	mesorchium		
Starts At	TS20	Ends At	TS28
Primary Parents		reproductive systeassociated reprod	
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), mesorchium(EMAPA:17971)]		
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)]		
	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 associated reproductive structure(EMAPA:28533), mesorchium(EMAPA:17971)]		
	embryo(EMAPA:1603	omy(EMAPA:0), mou: 9), organ system(1 APA:16245), reprod	EMAPA:16103),

Modified Component 588				
	system(EMAPA:17381), male reproductive system(EMAPA:17968), mesorchium(EMAPA:17971)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28533> 2. Different Order - Referenced Component has no order entries; This Component has order entry <19 for EMAPA:17968>			
	3. order=19 order=1 for EMAPA	9 for EMAPA:17968 A:28533		

Modified Component 589			
ID	EMAPA:30037	Is Group Term	false
Name	renal cortical capillary		
Starts At	TS23	Ends At	TS28
Primary Parents		cortical vascula capillaries] EMA	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795	(2), renal cortica (28142), renal co	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), small blood vessels(EMAPA:31469), renal cortical capillary(EMAPA:30037)] 2. [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 cortical capillary(EMAPA:30037)] 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), small blood vessels(EMAPA:31469), renal cortical capillary(EMAPA:30037)] 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:17366), metanephros(EMAPA:17373), renal capillaries(EMAPA:31443), renal cortical capillary(EMAPA:30037)]		
	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), renal cortical vasculature(EMAPA:28142), renal cortical capillary(EMAPA:30037)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31469> 2. Different Order - Referenced Component has		
		This Component h	

Modified Component 589				
	3. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA: 28142>			
	4. order=2 for EMAPA:28142 order=1 for EMAPA:31443 order=0 for EMAPA:31469			

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 Component 591			
ID	EMAPA:30031	Is Group Term	false
Name	glomerular mesang	ium of Bowman's ca	apsule
Starts At	TS22	Ends At	TS27
Primary Parents	EMAPA: 27973[Bowma	n'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),		

Modified Component 591 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 Bowman's capsule(EMAPA:30031)] [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 cortexparameters (FMAPA: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)] Rule Status Edit Status CHANGED Different Order - Referenced Component has no order entries; This Component has order entry <2 Comments for EMAPA: 27973> 2. order=2 for EMAPA:27973

Modified Component 592			
ID	EMAPA:30801	Is Group Term	false
Name	vasculature of bulbourethral gland		

Modified Componen	t 592		
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), vasculature of bulbourethral gland(EMAPA:30801)]		
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), vasculature of bulbourethral gland(EMAPA:30801)]		
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 penis		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:18682[penis]		
Group Parents			
Synonyms	[]		

Modified Componen	t 594	
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 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 to	ubule	·
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA:18976[cort:	ical renal tubul	Le]
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA cortex(EMAPA:179 tubule(EMAPA:189	[Abstract anatomy(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)]		
	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)]		
	organ system(EMA) organ(EMAPA:1624 metanephros(EMAPA cortex(EMAPA:179	PA:16103), visce 5), urinary syst A:17373), renal 52), developing DUP(EMAPA:28506) 76), renal proxi	cem(EMAPA:17366), capillary loop , 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)]
- 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)]
- 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)]

Rule Status PASSED Edit Status CHANGED

Modified Componen	t 595
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:18976>
	2. order=1 for EMAPA:18976

Modified Componen	t 596		
ID	EMAPA:30805	Is Group Term	false
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 tu	bule	
Starts At	TS25 Ends At TS27		TS27
Primary Parents	EMAPA:28281[renal	proximal 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), 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)]		
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA nephron(EMAPA:284 tubule(EMAPA:1897	omy(EMAPA:0), moust A:16103), viscera), urinary system :17373), stage IV 45), cortical rend 6), renal proxima 1), early proxima	l (EMAPA:17366), immature al l

```
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), developing capillary loop
stage nephron GROUP(EMAPA: 28506), cortical renal
tubule(EMAPA:18976), renal 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(EMAPĀ:17366), metanephros(EMĀPA: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)]

    [Abstract anatomy(EMAPA:0), mouse(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:17952), maturing nephron(EMAPA:28485), cortical renal
```

tubule(EMAPA:18976), renal proximal tubule(EMAPA:28281), early proximal

Modified Componen	t 597		
	tubule(EMAPA: 2828	34)]	
	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)]		
	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), 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 Componer	ıt 598		
ID	EMAPA:28287	Is Group Term	false
Name	renal proximal co	nvoluted tubule	
Starts At	TS25	Ends At	TS28
Primary Parents		proximal tubule] cal renal tubule	
Group Parents			
Synonyms	[first convoluted	l 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 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 proximal 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:28491), 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:28445), cortical renal tubule(EMAPA:18976), cortical renal tubule of mature nephron GROUP(EMAPA:31566), renal proximal convoluted tubule(EMAPA:28287)]		l (EMAPA:17366), al l tubule of renal proximal
			l (EMAPA:17366), al l
			l (EMAPA:17366), immature al l tubule of
	organ system(EMAP organ(EMAPA:16245	omy(EMAPA:0), mou A:16103), viscera), urinary system :17373), stage IV	l (EMAPA:17366),

```
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: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)]
- 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), 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

Modified Componen	t 598
	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)]
	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:18976), 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: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

Modified Component 599			
ID	EMAPA:31240	Is Group Term	false
Name	surface epitheliu	m of testis	
Starts At	TS25	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), surface epithelium of testis(EMAPA:31240)]		
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), surface		

Modified Component 599			
	epithelium of tes	stis(EMAPA:31240)]	
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <10 for EMAPA:17972>		
	2. order=10	for EMAPA:17972	

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 Componen	t 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 [ute:	rus]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EML organ(EMAPA:162 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), female reproductive system(EMAPA:17959), uterus(EMAPA:29915), vasculature of uterus(EMAPA:30811)]		
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), uterus(EMAPA:29915), vasculature of uterus(EMAPA:30811)]		
Rule Status	PASSED	Edit Status	CHANGED	
Comments	no order entries	1. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA:29915>		
	2. order=	4 for EMAPA:29915	5	

ID	EMAPA: 28272	Is Group Term	false
Name	rest of affer	ent arteriole	
Starts At	TS25	Ends At	TS28
Primary Parents	EMAPA: 28266[a:	fferent arteriole]
Group Parents			
Synonyms	[]		
Primary Path	organ system() organ(EMAPA:1 metanephros(E) cortex(EMAPA: corpuscle(EMA) arteriole(EMA)	[Abstract anatomy(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	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), rest of afferent arteriole(EMAPA:28272)] 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) afferent arteriole(EMAPA:28272)] 3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal vasculature(EMAPA:28272)] arteriole(EMAPA:28266), rest of afferent arteriole(EMAPA:28272)]		ceral stem(EMAPA:17366), 0), afferent
			ceral stem(EMAPA:17366), ary system ulature(EMAPA:28457)
	organ system() organ(EMAPA:1 metanephros(E)	EMAPA:16103), vis	stem(EMAPA:17366), l blood

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 603
	for EMAPA:28266>
	2. order=1 for EMAPA:28266

Modified Compone	n+ 604			
	EMAPA:30819	Is Group Term	false	
Name	clitoris	11		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30984[femal EMAPA:17959[femal	le external genita le reproductive sy	lia] stem]	
Group Parents				
Synonyms	[genital tubercle	e of female]		
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), clitoris(EMAPA:30819)]		
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	3 for EMAPA:17959 A:30984		

Modified Componen	t 605		
ID	EMAPA:28275	Is Group Term	false
Name	efferent arteriol	е	
Starts At	TS25	Ends At	TS28
Primary Parents		blood vessels] EIEMAPA: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), mature renal corpuscle(EMAPA:28236), efferent arteriole(EMAPA:28275)]		
Alternate Paths	organ system(EMAP	omy(EMAPA:0), mou: A:16103), viscera), urinary system	l ` ´ ´

Modified Component 606

Modified Compone	nt 606			
ID	EMAPA:31250	EMAPA:31250 Is Group Term false		
Name	cremaster muscle			
Starts At	TS28	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), 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:17968		

Modified Company				
Modified Compone	EMAPA: 28278	Is Group Term	false	
Name	extraglomerular m	extraglomerular mesangium		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA: 28518 [renal	EMAPA:30449[juxtaglomerular complex] EMAPA:28518[renal interstitium group] EMAPA:28236[mature renal corpuscle]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF 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), 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)]		l (EMAPA:17366), terstitium	
			l (EMAPA:17366),	
	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA GROUP(EMAPA:17954	comy(EMAPA:0), mou PA:16103), viscera b), urinary system 1:17373), early ne 1), mature renal 18236), extraglome	l (EMAPA:17366), phron	

Modified Componen	t 607
	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)]
	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), 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 has no order entries; This Component has order entry <4 for EMAPA:28236>
	3. Different Order - Referenced Component has no order entries; This Component has order entry <5 for EMAPA:28518>
	4. order=4 for EMAPA:28236 order=5 for EMAPA:28518 order=0 for EMAPA:30449

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	[]		
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),		

Modified Component 608				
	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 Compon	Modified Component 609				
ID	EMAPA:30011	Is Group Term	false		
Name	endothelium of	endothelium of renal vein			
Starts At	TS21	Ends At	TS28		
Primary Parents	EMAPA:28376[ren	al vein]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EM organ(EMAPA:162	my(EMAPA:0), mous APA:16103), visce 45), urinary syst A:28376), endothe 1)]	ral em(EMAPA:17366),		
Alternate Paths	organ system(EM organ(EMAPA:162 renal venous sy vein(EMAPA:3001 2. [Abstract an organ system(EM organ(EMAPA:162 developing vasc GROUP(EMAPA:315	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), endothelium of renal vein(EMAPA:30011)] 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			
	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 system(EMAPA:31	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)] 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)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments		s; This Component	enced Component has has order entry <1		

Modified Componen	t 609			
	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	
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), 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	chyme		
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[genitourinary system]			
Group Parents				

Modified Component 612				
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	
Comments	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			
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)]			

Modified Component 614				
	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:17959), female external 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 Component 615				
ID	EMAPA:30019	Is Group Term	false	
Name	smooth muscle	layer of renal ve	ein	
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA:28376[re	nal vein]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16	PA:28376), smooth	eeral stem(EMAPA:17366),	
Alternate Paths	organ system(E organ(EMAPA:16 renal venous s vein(EMAPA:283			
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366) developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:284 renal vein(EMAPA:28376), smooth muscle layer of renal vein(EMAPA:30019)]			
	organ system(E organ(EMAPA:16 renal vasculat vein(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 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:0), mouse(EMAPA:16039), organ system(EMAPA:16039), organ system(EMAPA:16039), urinary system(EMAPA:17366), developing vasculatur urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:28457), renal vein(EMAPA:300000000000000000000000000000000000			em(EMAPA:16103), inary y vasculature of 33), renal vein(EMAPA:28376),	
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal			

Modified Component 615					
		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), 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 for EMAPA:28376>				
	2. order=2	for EMAPA:28376			

Modified Component 616					
ID	EMAPA:31219	Is Group Term	false		
Name	developing vasculature of upper part 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(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 part of vagina(EM	1), female reprod 9), vagina(EMAPA:	l uctive 18986), upper oping vasculature		
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	no order entries; for EMAPA:31229> 2. Differen no order entries;	This Component hat Order - Referen	ced Component has as order entry <1 ced Component has as order entry <3		
	for EMAPA:18987> 3. order=3 order=1 for EMAPA	for EMAPA:18987 :31229			

Modified Component 617					
ID	EMAPA:30825	Is Group Term	false		

Modified Component 617					
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	organ system(EMAI 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), epithelial layer of crus of clitoris(EMAPA:20825)]			
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	[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	clitoris(EMAPA:30821), os clitoris(EMAPA:30823)] 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				

Modified Component 618					
	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		
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			

Г

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	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 gland(EMAPA:19285	1), male reproduct (8), male accessor (b), bulbourethral (c), epithelial com	tive y		
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. Differen no order entries; for EMAPA:19286>	t Order - Referen This Component h	ced Component has as order entry <0		
	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	organ(EMAPA:16245	A:16103), viscera	1		

Modified Component 620					
	<pre>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)]</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), 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. or	der=1	for EMAPA:3081	L9	

Modified Component 621					
ID	EMAPA:28260	Is Group Term	false		
Name	parietal epith	nelium			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA: 28257[Bo	owman's capsule]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 corpuscle(EMAPA: capsule(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), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28260)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 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)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:2576 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:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), mature nephron(EMAPA:282491), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal epithelium(EMAPA:28257), parietal epithelium(EMAPA:28257), parietal				
	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 cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), Bowman's capsule(EMAPA:28257), parietal				

Modified Component 621					
	epithelium(EMAPA:28260)]				
	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		
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	r of crus of clito	ris		
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:30821[crus	of clitoris]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAI organ(EMAPA:1624 system(EMAPA:1738 system(EMAPA:1799	[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	organ system(EMAI organ(EMAPA:1624! system(EMAPA:1738 system(EMAPA:1799 genitalia(EMAPA: of clitoris(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), female external genitalia(EMAPA:30984), clitoris(EMAPA:30819), crus of clitoris(EMAPA:30821), mesenchymal layer of crus of clitoris(EMAPA:30827)]			
	embryo(EMAPA:1600 visceral organ(EM system(EMAPA:1738 system(EMAPA:1799 clitoris(EMAPA:30 clitoris(EMAPA:30 3. [Abstract anatembryo(EMAPA:1600 visceral organ(EM system(EMAPA:1738	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:1799 genitalia(EMAPA: of clitoris(EMAPA of clitoris(EMAPA	59), female extern 30984), clitoris(E A:30821), mesenchy A:30827)]	al MAPA:30819), crus mal layer of crus		
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Differer no order entries for EMAPA:30821>	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 epithelium of anterior prostate				
Starts At	TS28	Ends At	TS28		

Modified Component 623			
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 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 for EMAPA:29796		

Modified Component 624			
ID	EMAPA:28266	Is Group Term	false
Name	afferent arteriol	е	
Starts At	TS25	Ends At	TS28
Primary Parents		vasculature] EMA APA:28236[mature : venous 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), mature renal corpuscle(EMAPA:28236), afferent arteriole(EMAPA:28266)]		
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), 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:28457), 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)]		
	organ system(EMAP organ(EMAPA:16245		l (EMAPA:17366),
	5. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 624

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: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)]
- 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

Comments

- 1. Different Order Referenced Component has 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>

Modified Component 624 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 prostati	c epithelium		
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 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		

ID	EMAPA:17211	Is Group Term	false	
Name	urogenital si	nus	·	
Starts At	TS18	Ends At	TS18	
Primary Parents	EMAPA:16367[g	enitourinary syste	em]	
Group Parents				
Synonyms	[]	[]		
Primary Path	organ system() organ(EMAPA:1	[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	embryo(EMAPA: visceral organ	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	no order entr	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:16367>		
	2. orde:	2. order=12 for EMAPA:16367		

Modified Component 627				
ID	EMAPA: 28269 Is Group Term false			

Modified Compor	
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 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)]
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), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)] 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), afferent arteriole(EMAPA:28266), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]
	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), 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:10103), 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)]
	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), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]
	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), 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)]
	8. [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), part of afferent arteriole forming the juxtaglomerular complex(EMAPA:28269)]

Modified Component 627 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)] [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), 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:17322), 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)] PASSED Edit Status CHANGED Rule Status Different Order - Referenced Component has no order entries; This Component has order entry <0 Comments for EMAPA:28266> 2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30449> order=0 for EMAPA:28266 order=2 for EMAPA:30449

Modified Component 628			
ID	EMAPA:17212	Is Group Term	false
Name	urorectal septum		
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16367[genitourinary system]		
Group Parents			

Modified Component 628			
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
Comments	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),			

Modified Component 630				
	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 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)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 early nephron GRO corpuscle(EMAPA:2	257), urinary spac	EMAPA:16103), ry MAPA:17373), mature renal	
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 b	oulbourethral glan	d			
Starts At	TS28	Ends At	TS28			
Primary Parents	EMAPA:19286[bulbo	urethral gland]				
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 gland(EMAPA:19285 gland(EMAPA:19286	[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 accessory gland(EMAPA:19285), bulbourethral gland(EMAPA:19286), interstitium of bulbourethral gland(EMAPA:29792)]				
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 gland(EMAPA:19285	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	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				

Modified Component 633				
ID	EMAPA:31224	Is Group Term	false	
Name	developing vascul	ature of lower pa	rt of vagina	
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:18999[lower EMAPA:31229[devel	part of vagina] oping vasculature	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), 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)]			
	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)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	comy(EMAPA:0), mou 19), organ system(MAPA:16245), repro 11), female reprod 19), vagina(EMAPA:	EMAPA:16103), ductive uctive	

Modified Component 633					
		part of vagina(EMAPA:18999), developing vasculature of lower part of vagina(EMAPA:31224)]			
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31229>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18999> 3. order=3 for EMAPA:18999 order=0 for EMAPA:31229				

Modified Compon	ent 634				
ID	EMAPA:30003	Is Group Term	false		
Name	smooth muscle lay	yer of renal arter			
Starts At	TS21	Ends At	TS28		
Primary Parents	EMAPA: 28373[rena]	l artery]	JL		
Group Parents		<u> </u>			
Synonyms	[]				
Primary Path	organ system(EMAI organ(EMAPA:1624	Y(EMAPA:0), mouse(PA:16103), viscera 5), urinary system PA:28373), smooth PA:30003)]	l (EMAPA:17366),		
Alternate Paths	organ system(EMAF organ(EMAPA:16249 renal arterial sy artery(EMAPA:2837 artery(EMAPA:3000		l (EMAPA:17366), , renal layer of renal		
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:1736 developing vasculature of urinary system GROUP(EMAPA:31563), renal vasculature(EMAPA:2 renal artery(EMAPA:28373), smooth muscle layerenal artery(EMAPA:30003)]				
	organ system(EMAF organ(EMAPA:1624 renal vasculature 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), 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)]				
	embryo(EMAPA:1603	comy(EMAPA:0), mou 39), organ system(MAPA:16245), urina	EMAPA:16103),		

Modified Component 634				
	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		

ID	EMAPA: 28248	Is Group Term	false		
Name	glomerular mesa		laise		
Starts At	TS25	Ends At	TS28		
Primary Parents		merular tuft] EM			
Group Parents	Incerscretain gr	Oup 1			
Synonyms					
Primary Path	[Abstract anato organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17	APA:16103), visc 45), urinary sys PA:17373), renal 952), mature ren :28236), glomeru 9), glomerular	stem(EMAPA:17366), nal		
Alternate Paths	organ system(EM organ(EMAPA:162 metanephros(EMA group(EMAPA:285				
	2. [Abstract anatomy(EMAPA:0), mouse(EMAPA: organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17 metanephros(EMAPA:17373), mature nephron(EMAPA:28491), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]				
	organ system(EM organ(EMAPA:162 metanephros(EMA GROUP(EMAPA:179 corpuscle(EMAPA tuft(EMAPA:2823	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)]			
	embryo(EMAPA:16 visceral organ(system(EMAPA:17 renal interstit	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: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), glomerular tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]				
6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:0), mouse(EMAPA:16039), organ system(EMAPA visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), glomerular mesangium(EMAPA:28248)]					

Modified Component 635					
	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), glomerular mesangium(EMAPA:28248)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28239>				
	2. Different Order - Referenced Component has no order entries; This Component has order entry <4 for EMAPA: 28518>				
	3. order=4 f		for EMAPA:28 :28518	3239	

Modified Component 636					
ID	EMAPA:30831	Is Group Term	false		
Name	surface epith	elium of glans cli	toris		
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:30829[g	lans clitoris]			
Group Parents					
Synonyms	[]				
Primary Path	organ system() organ(EMAPA:1 system(EMAPA: system(EMAPA: clitoris(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), clitoris(EMAPA:30819), glans clitoris(EMAPA:30829), surface epithelium of glans clitoris(EMAPA:30831)]			
Alternate Paths	organ system() organ(EMAPA:1 system(EMAPA: system(EMAPA: genitalia(EMA) glans clitori glans clitori	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)]			
	embryo(EMAPA: visceral orga: system(EMAPA: system(EMAPA: clitoris(EMAPA	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	no order entr	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30829>			
	2. orde	r=0 for EMAPA:3082	9		

Modified Component 637					
ID	EMAPA:30833	Is Group Term	false		

Modified Component 637				
Name	mesenchymal layer of glans clitoris			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:30829[glans	clitoris]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795	31), female reprod 59), clitoris(EMAF 0829), mesenchymal	luctive PA:30819), glans	
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), mesenchymal layer of 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 cl	itoris			
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), 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:1603 visceral organ(EM	omy(EMAPA:0), mou 9), organ system(APA:16245), repro 1), female reprod	EMAPA:16103), ductive		

Modified Component 638					
	<pre>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)]</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:30819>				
	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 Component 640			
ID	EMAPA:30837	Is Group Term	false
Name	labia		
Starts At	TS28	Ends At	TS28
Primary Parents		e reproductive sy e external genita	
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)]		
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),		
	Z. [Induction and	omy (Brazza 1900), mou	5C(LITITITE 25705),

Modified Component 640				
	<pre>embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), labia(EMAPA:30837)]</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), female external genitalia(EMAPA:30984), labia(EMAPA:30837)]			
Rule Status	PASSED	Edit Status	CHANGED	
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 order=4 for EMAPA	for EMAPA:17959 :30984		

Modified Component 641			
ID	EMAPA:30839	Is Group Term	false
Name	epithelial layer	of labia	
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:30837[labia	ı]	
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 Component 642				
ID	EMAPA: 28257			
Name	Bowman's capsule			

Modified Compone	ut 642		
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 capsule(EMAPA:28257)]		
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)]		
	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: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)]		
	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)]		
	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 Component 643			
EMAPA:29786	Is Group Term	false	
epithelial layer	of ejaculatory du	ct	
TS28	Ends At	TS28	
EMAPA:19088[ejacu	EMAPA:19088[ejaculatory duct]		
[]			
[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)]			
	EMAPA:29786 epithelial layer TS28 EMAPA:19088[ejacu [] [Abstract anatomy organ system(EMAP organ (EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	EMAPA:29786 Is Group Term epithelial layer of ejaculatory duct TS28 Ends At EMAPA:19088[ejaculatory duct] [[Abstract anatomy(EMAPA:0), mouse(1) organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), male reproductive system(EMAPA:17968), ejaculatory dispersions	

Modified Component 643			
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 Componer ID Name	EMAPA: 28254	Is Group Term	II		
Name			false		
	visceral epitheli	visceral epithelium			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA: 28239[glome				
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), mature renal corpuscle(EMAPA:28236), glomerular tuft(EMAPA:28239), visceral epithelium(EMAPA:28254)]				
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), visceral epithelium(EMAPA:28254)] 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)] 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:282491), 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:28254)] 4. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:16039), organ system(EMAPA:17373), renal cortex(EMAPA:17952), mature renal corpuscle(EMAPA:28239), visceral organ(EMAPA:17952), mature renal corpuscle(EMAPA:28239), visceral epithelium(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		

Modified Component 644				
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28239>			
	2. order=3 for EMAPA:28239			

ID	EMAPA:28251	Is Group Term	false	
Name	glomerular bas	glomerular basement membrane		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA:28239[gl	omerular tuft]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 corpuscle(EMAP tuft(EMAPA:282	[Abstract anatomy(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	organ system(E organ(EMAPA:16 metanephros(EM nephron(EMAPA: corpuscle(EMAP tuft(EMAPA:282 membrane(EMAPA	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:2576 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)]			
	embryo(EMAPA:1 visceral organ system(EMAPA:1 mature nephron corpuscle(EMAP tuft(EMAPA:282	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)]		
	embryo(EMAPA:1 visceral organ system(EMAPA:1 renal cortex(E corpuscle(EMAP tuft(EMAPA:282			
	embryo(EMAPA:1 visceral organ system(EMAPA:1 early nephron corpuscle(EMAP tuft(EMAPA:282	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	no order entri	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:28239>		

Modified Componer	it 646		
ID	EMAPA:29769	Is Group Term	false
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 system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294), os penis(EMAPA:29769)]		
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)]		
	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:19294	

Modified Component 647			
ID	EMAPA:29767	Is Group Term	false
Name	adventitia of duc	tus 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), adventitia of ductus deferens(EMAPA:29767)]		
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), adventitia of ductus deferens(EMAPA:29767)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		
	embryo(EMAPA:1603 visceral organ(EM	9), organ system(APA:16245), repro 1), male reproduc	EMAPA:16103), ductive

Modified Component 647				
	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. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:18681>			
	2. order=3	for EMAPA:18681		

Modified Component 648			
ID	EMAPA:29771	Is Group Term	false
Name	epithelium 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), 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)]		

Modified Component 649			
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 s	eminal 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), 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	

Modified Component 651			
ID Componer	EMAPA:31204	Is Group Term	false
Name	developing vascul	ature of caput ep	ididymis
Starts At	TS24	Ends At	TS27
Primary Parents	EMAPA:19291[caput EMAPA:31235[devel epididymis]	epididymis] oping vasculature	system 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), epididymis(EMAPA:19290), caput epididymis(EMAPA:19291), developing vasculature of caput epididymis(EMAPA:31204)]		
Alternate Paths			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738	omy(EMAPA:0), mou 9), organ system(APA:16245), repro 1), male reproduc 8), epididymis(EM ature system of	EMAPA:16103), ductive tive

Modified Component 651			
	epididymis(EMAPA:31235), developing vasculature of caput epididymis(EMAPA:31204)]		
	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), developing vasculature of caput epididymis(EMAPA:31204)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:31235>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:19291>		
	3. order=3 order=0 for EMAPA	for EMAPA:19291 a:31235	

Modified Component 652			
ID	EMAPA:31209	Is Group Term	false
Name	developing vasculature 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	

Modified Component 653			
ID	EMAPA:29755	Is Group Term	false
Name	epithelium of cor	pus epididymis	
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:19293[corpus epididymis] EMAPA:30445[epithelium of epididymis]		
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	1), male reproduct 8), epididymis(EMAPA:19293), epi	l tive APA:19290),

Modified Component 653				
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 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 of corpus epididymis(EMAPA:29755)]			
	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 Component has no order entries; This Component has order entry <1 for EMAPA:30445>			
	3. order=1 for EMAPA:30445 order=0 for EMAPA:19293			

Modified Component 654			
ID	EMAPA: 29757	Is Group Term	false
Name	muscle layer of c	corpus of epididym	is
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:19293[corpulayer of epididym	s epididymis] EMA nis]	PA: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), corpus epididymis(EMAPA:19293), muscle layer of corpus of epididymis(EMAPA:29757)]		
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 corpus of epididymis(EMAPA:29757)]		
	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 corpus of epididymis(EMAPA:29757)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 corpus epididymis	comy(EMAPA:0), mou 19), organ system(1 1APA:16245), repro 11), male reproduc 18), epididymis(EM 18(EMAPA:19293), mu 18mis(EMAPA:29757)]	EMAPA:16103), ductive tive APA:19290),

Modified Component 654				
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differen no order entries; for EMAPA:19293>	t Order - Referend This Component ha		
	2. Different Order - Referenced Component order entries; This Component has order for EMAPA:30447>			
	3. order=1 order=1 for EMAPA	for EMAPA:30447 :19293		

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:30443[adven EMAPA:19293[corpu	titia of epididym s epididymis]	is]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 corpus epididymis	r(EMAPA:0), mouse(2A:16103), viscera 1), reproductive 1), male reproduc 8), epididymis(EM 1(EMAPA:19293), ad mis(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)]			
	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), adventitia of corpus of epididymis(EMAPA:29759)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry < for EMAPA: 30443>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry for EMAPA:19293>			
	3. order=1 for EMAPA:30443 order=2 for EMAPA:19293			

Modified Component 656				
ID	EMAPA:29761	Is Group Term	false	
Name	epithelium of caput of epididymis			
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:30445[epithelium of epididymis] EMAPA:19291[caput epididymis]			

Modified Component 656			
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	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 caput of epididymis(EMAPA:29761)]		
	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 caput of epididymis(EMAPA:29761)]		
	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), epithelium of caput of epididymis(EMAPA:29761)]		
Rule Status	PASSED Edit Status CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19291>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30445>		
	3. order=0 for EMAPA:30445 order=0 for EMAPA:19291		

Modified Component 657			
ID	EMAPA: 29763	Is Group Term	false
Name	muscle layer of c	aput of epididymi	S
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:30447[muscl EMAPA:19291[caput	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), 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:17968), epididymis(EMAPA:19290), muscle layer of epididymis(EMAPA:30447), muscle layer 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:17381), epididymis(EMAPA:19290),		

Modified Component 657				
	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. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30447>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19291>			
	3. order=0 order=1 for EMAPA	for EMAPA:30447 :19291		

Modified Component 658				
ID	EMAPA: 29765	Is Group Term	false	
Name	adventitia of caput of epididymis			
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:19291[caput EMAPA:30443[adven	epididymis] titia of epididym	is]	
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:17368), 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>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19291>			
	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[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), 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 Component 661				
ID	EMAPA:29745	Is Group Term	false	
Name	septum of scrotum			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:19296[scrotum]			

Modified Component 661			
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 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)]		
	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), septum of scrotum(EMAPA:29745)]		
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		

Modified Component 662			
ID	EMAPA:29753	Is Group Term	false
Name	adventitia of cau	da of epididymis	
Starts At	TS24 Ends At TS28		
Primary Parents	EMAPA:30443[adven EMAPA:19292[cauda	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), cauda epididymis(EMAPA:19292), adventitia of cauda of epididymis(EMAPA:29753)]		
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 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:1603 visceral organ(EM	omy(EMAPA:0), mou 9), organ system(APA:16245), repro 1), male reproduc	EMAPA:16103), ductive

Modified Component 662			
	system(EMAPA:17968), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), adventitia of cauda of epididymis(EMAPA:29753)		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:19292> 2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:30443>		
	3. order=2 order=2 for EMAPA	for EMAPA:30443 1:19292	

Modified Component 663				
ID	EMAPA:29751	Is Group Term	false	
Name	muscle layer of c	auda of epididymi	S	
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 <1 for EMAPA:19292>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <2 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			

Modified Component 664				
Starts At	TS28 Ends At TS28			
Primary Parents	EMAPA:29733[epid	ermal layer of sc	rotum]	
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), scrotum(EMAPA:19296), epidermal layer of scrotum(EMAPA:29733), stratified 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), stratified 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)]			
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179		(EMAPA:16103), oductive ctive	
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),			

Modified Component 665				
	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>			
	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	[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)]			
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[epidermal layer of scrotum]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy	(EMAPA:0), mouse(EMAPA:25765),	

Modified Component 667				
	organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	 male reproduct scrotum(EMAPA scrotum(EMAPA:29 	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), basal 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	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29733>			
	2. order=0	for EMAPA:29733		

Modified Component 668			
ID	EMAPA: 29741	Is Group Term	false
Name	hair follicle		
Starts At	TS28	Ends At	TS28
Primary Parents	EMAPA:29739[derma	al layer of scrotu	m]
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), hair follicle(EMAPA:29741)]		
Alternate Paths	follicle(EMAPA:29741)] 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)]		
	3. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive		

Modified Component 668			
	system(EMAPA:1796	1), male reproduct 8), scrotum(EMAPA EMAPA:29739), hai: 741)]	:19296), dermal
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29739>		
	2. order=0	for EMAPA:29739	

Modified Component 669				
ID	EMAPA:29743	Is Group Term	false	
Name	sweat gland			
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29739[derma	l layer of scrotu	m]	
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), 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=1 for EMAPA:29739			

Modified Component 670					
ID	EMAPA:28245	Is Group Term	false		
Name	glomerular capillary system				
Starts At	TS25 Ends At TS28				
Primary Parents	EMAPA:31469[small blood vessels] EMAPA:28457[renal vasculature] EMAPA:28239[glomerular tuft] EMAPA:31443[renal capillaries]				
Group Parents					

[]
[Abstract anatomy(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)]
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)]

Modified Componer	Modified Component 670				
	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 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		ntries;	t Order - Refe This Compone		
	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>				
	5. o order=0 fo order=4 fo	r EMAPA	:31443	39	

Modified Component 671					
ID	EMAPA:28239	Is Group Term	false		
Name	glomerular tuft				
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA:28236[matur	e 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				

Modified Componen	t 671		
	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 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 Compor	EMAPA: 28230	Is Group Term	false	
			Laise	
Name	afferent arter	riole		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA: 27991[ji	uxtaglomerular art	eriole]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(I organ(EMAPA:16 metanephros(EN cortex(EMAPA:16 corpuscle(EMAN arteriole(EMAN	[Abstract anatomy(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	organ system(I organ(EMAPA:16 developing vas GROUP(EMAPA:33 juxtaglomerula	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), afferent arteriole(EMAPA:28230)]		
	organ system(I organ(EMAPA:10 renal vasculat arteriole(EMAP	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), afferent 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:28230)]			
	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),
                              urinary system(EMAPA:17366),
maturing renal corpuscle(EMAPA:27943)
juxtaglomerular arteriole(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: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)]
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), 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 GROUP(EMAPA:31563), renal
vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), afferent
arteriole(EMAPA:28230)]
8. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary
viscerai organ(EMAIN 1000)
system(EMAPA:17366), renal
vasculature(EMAPA:28457), juxtaglomerular
arteriole(EMAPA:27991), afferent
arteriole(EMAPA:27991),
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),
arteriole(EMAPA:28230)]
                                    afferent
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), arteriole(EMAPA:28230)]
                                     afferent
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),
```

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

Modified Component 672				
	<pre>corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), afferent arteriole(EMAPA:28230)]</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:27991>			
	2. order=0	for EMAPA:27991		

Modified Compor	nent 673			
ID	EMAPA: 28233	Is Group Term	false	
Name	efferent arteri	efferent arteriole		
Starts At	TS25	Ends At	TS27	
Primary Parents	EMAPA:27991[jux	taglomerular art	eriole]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 corpuscle(EMAPA 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), maturing renal corpuscle(EMAPA:27943), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]		
Alternate Paths	organ system(EM organ(EMAPA:162 developing vaso GROUP(EMAPA:315 juxtaglomerular	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:2576 organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366 renal vasculature(EMAPA:28457), juxtaglomerular arteriole(EMAPA:27991), efferent arteriole(EMAPA:28233)]			
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:2 corpuscle(EMAPA arteriole(EMAPA	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)]		
	organ system(EM organ(EMAPA:162 metanephros(EMAPA:17 maturing renal juxtaglomerular			
	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			

```
Modified Component 673
                          larteriole(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), juxtag1omerular 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:27991),
arteriole(EMAPA:28233)]
                          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:2/991),
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:1752), 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),
arteriole(EMAPA:28233)]
                                                               efferent
                          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)]
                                                                               CHANGED
Rule Status
                                                    Edit Status

    Different Order - Referenced Component has
no order entries; This Component has order entry <1</li>

Comments
                          for EMAPA: 27991>
                                        order=1 for EMAPA:27991
```

Modified Component 674				
ID	EMAPA:28236	Is Group Term	false	
Name	mature renal corpuscle			
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA:28491[mature nephron] EMAPA:17952[renal cortex] EMAPA:17954[early nephron GROUP]			

Modified Compone	nt 674			
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)]			
	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 blood vessels] EMAPA:31450[renal venous system] EMAPA:28152[renal cortical venous system] EMAPA:28457[renal 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), renal cortical			

Modified Component 675 vasculature(EMAPA:28142), renal cortical venous system(EMAPA:28152), arcuate vein(EMAPA:28221)] Alternate Paths [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), arcuate vein(EMAPA:28221)] [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)] [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 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)] [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)] PASSED Edit Status CHANGED Rule Status Different Order - Referenced Component has no order entries; This Component has order entry <1 Comments 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> 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	

Modified Compon	ent 676
Primary Parents	EMAPA:31464[large blood vessels] EMAPA:28457[renal vasculature] EMAPA:31450[renal venous system] EMAPA:28152[renal cortical venous 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 venous system(EMAPA:28152), interlobular vein(EMAPA:28218)]
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), interlobular vein(EMAPA:28218)]
	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), interlobular vein(EMAPA:28218)]
	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), 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)]
	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), 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)]
Rule Status	PASSED Edit Status CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28152>
	2. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31450>

Modified Component 676				
	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 Compor	nent 677				
ID	EMAPA:28215	Is Group Term	false		
Name	arcuate artery	arcuate artery			
Starts At	TS25	Ends At	TS28		
Primary Parents	EMAPA: 28457[ren	EMAPA:31436[renal arterial system] EMAPA:28457[renal vasculature] EMAPA:28147[renal cortical arterial system] EMAPA:31464[large blood vessels]			
Group Parents					
Synonyms	[]	[]			
Primary Path	organ system(EM organ(EMAPA:162 metanephros(EMA cortex(EMAPA:17 vasculature(EMA	APA:16103), visc 45), urinary sys PA:17373), renal 952), renal cort PA:28142), renal	stem(EMAPA:17366),		
Alternate Paths	organ system(EM	APA:16103), larg	mouse(EMAPA:25765), ge blood urtery(EMAPA:28215)]		
	organ system(EMorgan(EMAPA:162	APA:16103), visc 45), urinary sys system(EMAPA:314	stem(EMAPA:17366),		
	organ system(EM organ(EMAPA:162 developing vasc	APA:16103), visc 45), urinary sys ulature of urina 63), renal vascu	stem(EMAPA:17366),		
	organ system(EM organ(EMAPA:162 renal vasculatu	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)]			
	embryo(EMAPA:16	039), organ syst sels(EMAPA:31464	mouse(EMAPA:25765), em(EMAPA:16103), e), arcuate		
	6. [Abstract anatomy(EMAPA:0), mouse(EMAPA:257 embryo(EMAPA:16039), organ system(EMAPA:16103) visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), arcuate artery(EMAPA:2821				
	embryo(EMAPA:16 visceral organ(system(EMAPA:17 urinary system	039), organ syst EMAPA:16245), ur 366), developing GROUP(EMAPA:3156 PA:28457), arcua	y vasculature of (3), renal		
	embryo(EMAPA:16 visceral organ(system(EMAPA:17	039), organ syst EMAPA:16245), ur 366), renal PA:28457), arcua	-		
			mouse(EMAPA:25765), em(EMAPA:16103),		

Modified Component 677			
	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 for EMAPA:31436> 4. order=1 for EMAPA:28147 order=11 for EMAPA:28457 order=2 for EMAPA:31436		

ID	EMAPA:28212	Is Group Term	false	
Name	interlobular art	interlobular artery		
Starts At	TS25	Ends At	TS28	
Primary Parents	EMAPA: 28147[rena	l arterial system] l cortical arteria l vasculature] EMA	l system]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAP cortex(EMAPA:179 vasculature(EMAP	52), renal cortica A:28142), renal co 47), interlobular	l (EMAPA:17366), l	
Alternate Paths	organ system(EMA vessels(EMAPA:31	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), interlobular artery(EMAPA:28212)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), renal arterial system(EMAPA:31436), interlobular artery(EMAPA:28212)] 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), interlobular artery(EMAPA:28212)] 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 artery(EMAPA:28212)]		
	organ system(EMA organ(EMAPA:1624 renal arterial s			
	organ system(EMA organ(EMAPA:1624 developing vascu GROUP(EMAPA:3156			
	organ system(EMA organ(EMAPA:1624 renal vasculatur			
	5. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), large blood vessels(EMAPA:31464), interlobular artery(EMAPA:28212)] 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)]			

Modified Component 678					
	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 artery(EMAPA:28212)]				
	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)]				
	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), 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=10 order=1 f	for EMAP		147	

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	

Modified Component 680				
Primary Parents	EMAPA:30891[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)]			
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)]			
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:17376), 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),			

Modified Component 682				
	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	APA:30897 Is Group Term false					
Name	urethral plate						
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	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				

Modified Component 685						

Modified Component 685					
ID	EMAPA:30882				
Name	epithelial layer	of rest of urogen	ital sinus		
Starts At	TS20	Ends At	TS20		
Primary Parents	EMAPA:30879[rest	of urogenital sin	us]		
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 urogenital sinus(EMAPA:30882)]				
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			

Modified Compone	EMAPA:31199	Is Group Term	false			
Name		lature of corpus e				
Starts At	TS24	Ends At	TS27			
Primary Parents	EMAPA:19293[corp					
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 corpus epididymi	[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), developing vasculature of corpus epididymis(EMAPA:31199)]				
Alternate Paths	organ system(EMA organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 developing vascu 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 corpus epididymis(EMAPA:31199)]				
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 developing vascu epididymis(EMAPA	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)]				
	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			

Modified Component 686					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:31235>				
	2. Different Order - Referenced Component has no order entries; This Component 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			
Name	mesenchymal layer	of rest of uroge	nital sinus		
Starts At	TS20	Ends At	TS20		
Primary Parents	EMAPA:30879[rest	of urogenital sin	us]		
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	

Modified Component 689						
Name	developing vasculature of cauda epididymis					
Starts At	TS24	TS24 Ends At TS27				
Primary Parents	EMAPA:19292[cauda EMAPA:31235[devel epididymis]	epididymis] oping vasculature	system of			
Group Parents						
Synonyms	[]					
Primary Path	organ system(EMAF 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), epididymis(EMAPA:19290), cauda epididymis(EMAPA:19292), developing vasculature of cauda opididymis(FMAPA:21104)				
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25769 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 cauda epididymis(EMAPA:31194)] 2. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25769 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 cauda epididymis(EMAPA:31194)]					
	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), developing vasculature of cauda epididymis(EMAPA:31194)]					
Rule Status	PASSED	Edit Status	CHANGED			
Comments	no order entries; This Component has order effor 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 A: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. Differen	1. Different Order - Referenced Component has				

Modified Component 690								
		entries; A:16367>	Thi	s Component	has	order	entry	<2
	2.	order=2	for	EMAPA:16367				

Modified Compone	nt 691			
ID	EMAPA:31188	Is Group Term	false	
Name	developing vascul	developing vasculature of ductus deferens		
Starts At	TS23	Ends At	TS27	
Primary Parents	EMAPA:18681[ducti	us deferens]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 developing vascul	[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		nt Order - Referen This Component h		
	2. order=4	for EMAPA:18681		

Modified Component 692					
ID	EMAPA:16578	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		omy(EMAPA:0), mou 9), organ system(

Modified Component 692			
	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		
Starts At	TS24	Ends At	TS28
Primary Parents	EMAPA:17968[male	reproductive syst	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	

Modified Componer	ut 695		
Name	developing vasculature of epididymis		
Starts At	TS23 Ends At TS27		
Primary Parents	EMAPA:19290[epididymis]		
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 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 mesend	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[genital tubercle of female]		
Group Parents			
Synonyms	[1]		
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738	(EMAPA:0), mouse(1 A:16103), viscera), reproductive 1), female reprodu 9), genital tubero	l uctive

Modified Component 697			
	female(EMAPA:1868	0), crus of clito	ris(EMAPA:19169)]
Alternate Paths	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:2	omy(EMAPA:0), mounts A:16103), viscera), reproductive 1), female reproductive 9), female associated 8540), genital tul 0), crus of clito	uctive ated reproductive bercle of
	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3	omy(EMAPA:0), mounts:16103), viscera), reproductive 1), female reproductive 9), female externations 0984), genital turbol, crus of clito	l uctive al bercle of
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795	omy(EMAPA:0), mou 19), organ system(1 IAPA:16245), reprod 1), female reprod 19), genital tuber 10), crus of clito	EMAPA:16103), ductive uctive cle of
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 structure(EMAPA:2	.omy(EMAPA:0), mou 19), organ system(1) 1APA:16245), reprod 1), female reprod 19), female associa 18540), genital tu 10), crus of clito	EMAPA:16103), ductive uctive ated reproductive bercle of
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795 genitalia(EMAPA:3	.omy(EMAPA:0), mou 19), organ system(1 IAPA:16245), reprod 11), female reprod 19), female externa 10984), genital tu 10), crus of clito	EMAPA:16103), 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 <7 for EMAPA:18680>		
	2. order=7	for EMAPA:18680	

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 anat	omy(EMAPA:0), mou	se(EMAPA:25765),

Modified Component 698				
	<pre>embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), ureter(EMAPA:17950), ureteral vasculature(EMAPA:30850)]</pre>			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component ha no order entries; This Component has order entry < for EMAPA:17950>			
	2. order=6	for EMAPA:17950		

Modified Component 699			
ID	EMAPA:30841	Is Group Term	false
Name	mesenchymal 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), 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	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				

Modified Componen	t 700			
	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 system(EMAPA:17381), female reproductive system(EMAPA:17959), female external genitalia(EMAPA:30984), labia(EMAPA:30837), gland of labia(EMAPA:30843)]			
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			

Modified Component 701					
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 labia				
Starts At	TS28 Ends At TS28				
Primary Parents	EMAPA:30837[labia]				
Group Parents					
Synonyms	[]				
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),				

Modified Component 702				
	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)]			
	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 interstitium of the testis				
Starts At	TS20 Ends At TS28				

Modified Componen	t 704		
Primary Parents	EMAPA:18687[interstitium of the testis]		
Group Parents			
Synonyms	[non-specific mesenchyme]		
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)]		
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 Component	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	

Modified Component 706				
ID	EMAPA:19174	Is Group Term	false	
Name	external			
Starts At	TS25 Ends At TS28			
Primary Parents	EMAPA:19172[inguinal ring]			
Group Parents				
Synonyms	[superficial]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Component 706				
	organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), inguinal ring(EMAPA:19172), external(EMAPA:19174)]			
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), external(EMAPA:19174)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:19172>			
	2. order=1	for EMAPA:19172		

Modified Component 707				
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		

ID	EMADA · 19172	EMAPA:19172 Is Group Term false			
	EMAPA:19172	IS Group Term		Taise	
Name	inguinal ring				
Starts At	TS25	Ends At		TS28	
Primary Parents	EMAPA:17959[fem	ale reproductive	e sys	tem]	
Group Parents					
Synonyms	[]	[]			
Primary Path	organ system(EM organ(EMAPA:162 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), inguinal ring(EMAPA:19172)]			
Alternate Paths	embryo(EMAPA:16 visceral organ(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), inguinal ring(EMAPA:19172)]			
Rule Status	PASSED				

Modified Component 708				
	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[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), inguinal 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), inguinal 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		

Walified Component 710			
Modified Componen	ır		false
ID	EMAPA:19170	Is Group Term	iaise
Name	glans clitoris		
Starts At	TS25	Ends At	TS27
Primary Parents	EMAPA:18680[genit	al tubercle of fe	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), glans clitoris(EMAPA:19170)]		
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), 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)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795	omy(EMAPA:0), mou 9), organ system(APA:16245), reprod 1), female reprod 9), genital tuber 0), glans clitori	EMAPA:16103), ductive uctive cle of

Modified Component 710				
	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)]			
	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)]			
Rule Status	PASSED Edit Status CHANGED			
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:18680>			
	2. order=6 for EMAPA:18680			

Modified Component 711				
ID	EMAPA:30879	Is Group Term	false	
Name	rest of urogenita	rest of urogenital 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	visceral organ(EM	9), organ system(EMAPA:16103), ry

Modified Component 712				
	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				
Modified Componen		1]	
ID	EMAPA:30873	Is Group Term	false	
Name	epithelial layer	of primitive blad	der	
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), 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. Different Order - Referenced Component has no order entries; This Component has order entry <1 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[muscularis mucosa 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), 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[penile 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 717			
	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 for EMAPA:30944		

Modified Component 718			
ID	EMAPA:28949	Is Group Term	false
Name	epithelium of rest of nephric duct of female		
Starts At	TS21	Ends At	TS23
Primary Parents	EMAPA:28945[nephr	ic 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

Modified Component 719					
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 f	emale, rest of	•	
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:17959[femal	e reproductive sy	stem]	
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 system(EMAPA:17959), nephric duct of female, rest of(EMAPA:28945)]			
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				

Modified Component 722					
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:29665[loop	of Henle]			
Group Parents					
Synonyms	[pars recta, segm	ment 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	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), proximal straight tubule(EMAPA:29669)]				
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 o	uter 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 vasculature]			
Group Parents				
Synonyms	[]			
	11			

Modified Component 724					
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 va	sculature			
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 t	ubule		
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)]			

Modified Component 726					
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), distal straight tubule(EMAPA:29671)]				
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					
Modified Componen					
ID	EMAPA:30948	Is Group Term	false		
Name	mesenchymal 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), 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				

Modified Component 728								
		entries; A:30942>	Thi	s Component	has	order	entry	<0
	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 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), 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 rest of paramesonephric duct of female					

Modified Component 731					
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA:28940[param of]	esonephric duct	of 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 no order entries; This Component has order entry <0 for EMAPA:28940>				
	2. order=0	for EMAPA:28940			

Modified Component 732					
ID	EMAPA:30123	Is Group Term	false		
Name	detrusor muscle o	of neck			
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 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 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),				

Modified Component 733 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) 1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephrom(EMAPA:17373), mature Alternate Paths 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 tubule(EMAPA:29657)] [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)] [Abstract anatomy(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:29657)] 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: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)]
- 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), 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)]

Modified Component 733

- 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 tubule(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

Modified Component 733					
	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), segment 1 of proximal tubule(EMAPA:29657)]				
	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 proximal tubule(EMAPA:29657)]				
	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 1 of proximal tubule(EMAPA:29657)]				
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	t of nephric duct	of female		
Starts At	TS21	Ends At	TS23		
Primary Parents	EMAPA:28945[nephr	ic 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), 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. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:28945>				
	2. order=1	for EMAPA:28945			

Modified Component 735					
ID	EMAPA:30950	Is Group Term	false		
Name	muscle layer				

Modified Component 735					
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>				
	2. order=2 for EMAPA:30944				

Modified Component 736					
ID	EMAPA: 29659	Is Group Term	false		
Name	segment 2 of prox	imal tubule			
Starts At	TS28	Ends At	TS28		
Primary Parents	EMAPA:28287[renal	proximal convolu	ted tubule]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA cortex(EMAPA:1795 tubule(EMAPA:1897 tubule(EMAPA:2828	[Abstract anatomy(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			
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:28281), renal proximal tubule(EMAPA:28281), renal proximal 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 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), segment 2 of proximal tubule(EMAPA:29659)]				
		omy(EMAPA:0), mou A:16103), viscera			

```
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:292659)]
```

- 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:29659)]
- 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)]
- 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

Rule Status

PASSED

Ledit Status

CHANGED

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[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), mesenchyme of rest of paramesonephric duct of female(EMAPA:28961)]			
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), mesenchyme of rest of paramesonephric duct of female(EMAPA:28961)]			
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 interstitium grou	cortex] EMAPA:28	518[renal	
Group Parents				
Synonyms	[cortical 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 cortex(EMAPA:17952), renal cortical interstitium(EMAPA:28136)]			
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			ced Component has as order entry <6	

Modified Component 738				
	for EMAPA:28518>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <8 for EMAPA:17952>			
	3. order=6 for EMAPA:28518 order=8 for EMAPA:17952			

Modified Component 739				
ID ID	EMAPA: 29663	Is Group Term	false	
Name	outer stripe of o	uter 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), 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	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 Compor	11			
ID	EMAPA: 28130	Is Group Term	false	
Name	cortical coll	ecting duct		
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:28494[u cortex]	reteric trunk] EM	APA:17952[renal	
Group Parents				
Synonyms	[]			
Primary Path	organ system(organ(EMAPA:1 metanephros(E	MAPA:17373), rena 17952), cortical	ceral stem(EMAPA:17366), l	
Alternate Paths	organ system(organ(EMAPA:1 metanephros(E	EMAPA:16103), vis 6245), urinary sy MAPA:17373), uret 8494), cortical c	stem(EMAPA:17366), eric	
	organ system(organ(EMAPA:1 metanephros(E duct(EMAPA:28	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:2576] 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:2576] 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)]			
	embryo(EMAPA: visceral orga system(EMAPA: renal cortex(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	no order entr	1. Different Order - Referenced Component ha no order entries; This Component has order entry < for EMAPA:28494>		
	2. Different Order - Referenced Component has no order entries; This Component has order entry 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, segment 3 of proximal tubule]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

```
Modified Component 742
                         organ(EMAPA:16245), urinary system(metanephros(EMAPA:17373), renal cortex(EMAPA:17952), cortical renal tubule(EMAPA:18976), renal proximal
                                                      urinary system(EMAPA:17366),
                         tubule(EMAPA:28281), renal proximal straight tubule(EMAPA:29661)]

    [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), 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:28281), 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)]
                         [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 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(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)]
                         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), 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:17952), developing capillary
```

Modified Component 742			
	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), 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>		

Modified Component 743 2. order=0 for EMAPA:30917

Modified Component 744				
ID	EMAPA:28929	Is Group Term	false	
Name	rete ovarii of me	sonephros		
Starts At	TS20	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), 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	emale, mesonephri	c 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	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA:28909>			
	2. order=3	for EMAPA:28909		

Modified Componen	t 746	

Modified Component 746				
ID	EMAPA: 29693	Is Group Term	false	
Name	epithelium of cauda of epididymis			
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:19292[cauda EMAPA:30445[epith	epididymis] elium of epididym	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), cauda epididymis(EMAPA:19292), epithelium of cauda of 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: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 of EMAPA:19292> 2. Different Order - Referenced Component has no order entries; This Component has order entry of 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	enous system			
Starts At	TS23	Ends At	TS28		
Primary Parents		EMAPA:31469[small blood vessels] EMAPA:28157[renal medullary vasculature] EMAPA:31450[renal venous 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 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),				

Modified Component 747					
	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)]				
	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 venous system(EMAPA:28167)]				
	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), 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 for EMAPA:28157 order=5 for EMAPA:31450 order=7 for EMAPA:31469				

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)]			
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	roup Term	false		
Name	renal medullary arter	ial system			
Starts At	TS23 Ends	At	TS28		
Primary Parents	EMAPA:28157[renal med EMAPA:31436[renal art EMAPA:31469[small blo	erial system]	ature]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAPA:16 organ(EMAPA:16245), u metanephros(EMAPA:173 medulla(EMAPA:19279),	[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 arterial system(EMAPA:28162)]			
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 medullary arterial system(EMAPA:28162)]				
	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)]				
	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:2576 embryo(EMAPA:16039), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), metanephros(EMAPA:17373), small blood vessels(EMAPA:31469), renal medulla arterial system(EMAPA:28162)]				

Modified Component 750					
	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), renal medullary vasculature(EMAPA:28157), renal medullary arterial system(EMAPA:28162)]				
Rule Status	PASSED		Edit Status		CHANGED
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:28157> 2. Different Order - Referenced Component has no order entries; This Component has order entry <2 for EMAPA:31469>				
	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	of phallic ureth	ra 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 urethra	a of female	
Starts At	TS25	Ends At	TS28	
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), epithelial layer of phallic urethra of female(EMAPA:30930)]			
	l .			

Modified Component 752					
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:30930)]				
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 Component 754				
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	[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)]			
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), loop of Henle(EMAPA:29679)]			
Rule Status	PASSED Edit Status CHANGED			

Modified Component 754					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:29675>				
	2. order=0 for EMAPA:29675				

Modified Component 755				
ID	EMAPA:28937	Is Group Term	false	
Name	paramesonephric d	uct of female, me	esonephric portion	
Starts At	TS20	Ends At	TS23	
Primary Parents	EMAPA:28909[meson	ephros of female]		
Group Parents				
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. Different Synonyms - Referenced Component EMAPA:28937 has synonyms [Müllerian duct of female, Mllerian duct of female]			
	3. order=5	for EMAPA:28909		

Modified Component 756				
ID	EMAPA:28934	Is Group Term	false	
Name	coelomic epitheli	um of female meson	nephros	
Starts At	TS20	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), coelomic epithelium of female mesonephros(EMAPA:28934)]			
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), coelomic epithelium of female mesonephros(EMAPA:28934)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <7 for EMAPA:28909>			

Modified Component	t 756	
	2.	order=7 for EMAPA:28909

Modified Component 757					
ID	EMAPA:29681	Is Group Term	false		
Name	thin descending l	imb			
Starts At	TS28	TS28 Ends At TS28			
Primary Parents	EMAPA:29679[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), outer medulla(EMAPA:28310), inner stripe of outer medulla(EMAPA:29675), loop of Henle(EMAPA:29679), thin descending limb(EMAPA:29681)]				
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), loop of Henle(EMAPA:29679), thin descending limb(EMAPA:29681)]				
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	

Modified Component 759					
Name	renal cortical venous system				
Starts At	TS23		Ends At		TS28
Primary Parents	EMAPA:28	142[renal	cortical v	rascula	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	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 venous system(EMAPA:28152)]				
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:2	8142	

Modified Component 760				
ID	EMAPA:29683	Is Group Term	false	
Name	premacula segment	of distal straig	ht 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	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), loop of Henle(EMAPA:29679), premacula segment of distal straight tubule(EMAPA:29683)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29679>			
	2. order=1	for EMAPA:29679		

Modified Component 761				
ID	EMAPA:28940	Is Group Term	false	
Name	paramesonephric duct of female, rest of			
Starts At	TS20	Ends At	TS23	
Primary Parents	mary Parents EMAPA:17959[female reproductive system]			

Modified Component 761				
Group Parents				
Synonyms	[Mllerian duct o	f 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	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17959>			
	2. Different Synonyms - Referenced Component EMAPA:28940 has synonyms [Müllerian duct of female, Mllerian duct of female, rest of]			
	3. order=1	for EMAPA:17959		

Modified Component 762				
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[phallic 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), phallic urethra of			

Modified Component 763				
	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 Componer	nt 764		
ID	EMAPA:29626	Is Group Term	false
Name	genital tubercle	surface epitheliu	m of female
Starts At	TS20	Ends At	TS20
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 female(EMAPA:1868	r(EMAPA:0), mouse(PA:16103), viscera 5), reproductive B1), female reprod 59), genital tuber B0), genital tuber male(EMAPA:29626)]	uctive cle of cle surface
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)]		
	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 tuber male(EMAPA:29626)]	EMAPA:16103), ductive ductive al bercle of cle surface

Modified Component 764					
Rule Status	PASSED	PASSED Edit Status CHANGED			
Comments		1. Different End Stage - Referenced Component EMAPA:29626 has End Stage [TS21]			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:18680>				
	3. 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[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), 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	
Mame mesenchymal layer of pelvic urethra				

Modified Component 767				
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[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)]			
Alternate Paths	1. [Abstract anat	omy(EMAPA:0), mou	se(EMAPA:25765),	

Modified Component 769				
	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[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), 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>			

Modified Component	t 771	
	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 no order entries; This Component has order entry <1 for EMAPA:30901>		
	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	

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[phallic urethra]			
Group Parents				

Modified Component 774			
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	Is Group Term	false	
Name	phallic urethra c	of female		
Starts At	TS23	Ends At	TS28	
Primary Parents	EMAPA:28747[ureth	ra 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			

Modified Component 776				
ID	EMAPA:29621	Is Group Term	false	
Name	genital tubercle	mesenchyme of fema	ale	
Starts At	TS20	Ends At	TS20	
Primary Parents	EMAPA:18680[genit	al tubercle of fe	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), genital tubercle mesenchyme of female(EMAPA:29621)]			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive			

Modified Component 776				
	structure(EMAPA:	59), female associa 28540), genital tul 80), genital tubera 21)]	bercle of	
	organ system(EMA) organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA:	81), female reprod 59), female externa 30984), genital tul 80), genital tubera	l uctive al percle of	
	embryo(EMAPA:160 visceral organ(E) system(EMAPA:173 system(EMAPA:179	act anatomy(EMAPA:0), mouse(EMAPA:25765), APA:16039), organ system(EMAPA:16103), organ(EMAPA:16245), reproductive APA:17381), female reproductive APA:17959), genital tubercle of APA:18680), genital tubercle mesenchyme o		
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 structure(EMAPA:	tomy(EMAPA:0), mous 39), organ system(1 MAPA:16245), reprod 81), female reprod 59), female associa 28540), genital tul 80), genital tubera 21)]	EMAPA:16103), ductive uctive ated reproductive percle of	
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 system(EMAPA:179 genitalia(EMAPA:	tomy(EMAPA:0), mous 39), organ system(1 MAPA:16245), reprod 81), female reprod 59), female externa 30984), genital tul 80), genital tubera 21)]	EMAPA:16103), ductive uctive al oercle of	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different End Stage - Referenced Componen EMAPA:29621 has End Stage [TS21] 2. Different Order - Referenced Component ha no order entries; This Component has order entry < for EMAPA:18680>			
	3. 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			ced Component has as order entry <1

Modified Componen	t 777
	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 for EMAPA:18692>			
	2. order=6	for EMAPA:18692		

Modified Component 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 1	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 Component 780			
ID	EMAPA:28971	Is Group Term	false
Name	premeiotic germ cell		
Starts At	TS21	Ends At	TS24

Modified Componen	t 780			
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
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		nt Order - Referen This Component h	
	2. order=1	for EMAPA:18687	

Modified Component 782				
ID	EMAPA:29653	Is Group Term	false	
Name	female urethral g	land		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:28747[urethra of female]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral			

Modified Component 782			
	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	Is Group Term	false	
Name	outer circular mu	scle		
Starts At	TS28	Ends At	TS28	
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), 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		t Order - Referen This Component h	ced Component has as order entry <9

Modified Componen	t 784
	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	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 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. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:30088>			
	2. order=0 for EMAPA:30088			

Modified Component 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 mesonephric tubule of female			
Starts At	TS22 Ends At TS23			

Modified Componen	t 787				
Primary Parents	EMAPA: 289	909[meson	ephros of female]	
Group Parents					
Synonyms	[]				
Primary Path	organ sys organ(EM/ system(EM/ system(EM/ female(EM/	stem(EMAP APA:16245 MAPA:1738 MAPA:1795 MAPA:2890	(EMAPA:0), mouse A:16103), viscer), reproductive 1), female repro 9), mesonephros 9), degenerating EMAPA:28978)]	al ductive 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), mesonephros of female(EMAPA:28909), degenerating mesonephric tubule of female(EMAPA:28978)]				
Rule Status	PASSED		Edit Status	CHANGE	D
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		
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 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	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30088>			
	2. order=1	for EMAPA:30088	_	

Modified Component 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[urethra of male]		
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAP organ(EMAPA:16245	(EMAPA:0), mouse(1 A:16103), viscera), urinary system MAPA:18692), dist	l (EMAPA:17366),

Modified Component 789			
	urethra of male(E	MAPA: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 meso female	nephric portion o	f nephric duct of	
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 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		t Order - Referen This Component h		
	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. Differen	t Order - Referen	ced Component has

Modified Component 791								
		entries; A:17968>	Thi	s Component	has	order	entry	<8
	2.	order=8	for	EMAPA:17968				

Modified Component 792				
ID	EMAPA: 27599	Is Group Term	false	
Name	nephric duct, met	anephric portion		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA: 28425[nephr EMAPA: 16367[genit			
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAI organ(EMAPA:16245	(EMAPA:0), mouse(PA:16103), viscera 5), genitourinary 57), nephric duct, 599)]	.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, metanephric portion(EMAPA:27599)]			
	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 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>			
			ced Component has as order entry <9	
	3. order=9 order=2 for EMAPA	for EMAPA:16367 A: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

Modified Componen	t 793
	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 Componen	t 794		
ID	EMAPA:27570	Is Group Term	false
Name	posterior gonadal	mesenchyme	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16858[gonad	lal mesenchyme]	
Group Parents			
Synonyms	[caudal gonadal m	nesenchyme]	
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
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	

Modified Component 795				
ID	EMAPA:17377	Is Group Term	false	
Name	nephric duct, met	anephric portion		
Starts At	TS19	Ends At	TS20	
Primary Parents	EMAPA:28429[nephr system]	ic duct group] EM	APA:17366[urinary	
Group Parents				
Synonyms	[Wolffian duct]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), urinary system(EMAPA:17366), nephric duct, metanephric portion(EMAPA:17377)]			
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			

Modified Component 795				
	for EMAPA:28429>			
	2. Different Order - Referenced Component has no order entries; This Component has order entry <6 for EMAPA:17366>			
	3. order=6 for EMAPA:17366 order=1 for EMAPA: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			
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 layer			
Starts At	TS21 Ends At TS28			

Modified Componen	t 798			
Primary Parents	EMAPA: 28089[urothelium]			
Group Parents				
Synonyms	[basal u	rothelium	.]	
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 membra	ne		
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 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:17373)]		
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 800					
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. Different Order - Referenced Component has no order entries; This Component has order entry <2 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 mesenchyme			

Modified Component 803				
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16858[gonac	dal 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		
Starts At	TS17	Ends At	TS18	
Primary Parents	EMAPA:16858[gonad	al 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 epithelium]		
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		

Modified Component 805			
	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 anatomy(EMAPA:0), mouse(EMAPA:25765), 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 mesen	chyme of female m	esonephros	
Starts At	TS20	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), 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[mesonephros of female]			
Group Parents				
Synonyms	[]			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), visceral organ(EMAPA:16245), reproductive			

Modified Component 810				
	system(EMAPA:1738; system(EMAPA:1795; female(EMAPA:2890; female(EMAPA:2891;	9), mesonephros o: 9), mesonephric to	E	
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[meson group]	ephros] EMAPA:284	25[nephric duct	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1636	(EMAPA:0), mouse(A:16103), viscera), genitourinary 7), mesonephros(Elonephric portion(Elonephric portion(Elo	1 MAPA:16744),	
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 <5 for EMAPA:16744>			
	3. order=5 for EMAPA:16744 order=1 for EMAPA:28425			

Modified Component 812			
ID	EMAPA:28120	Is Group Term	false
Name	pelvic smooth muscle		
Starts At	TS23 Ends At TS28		

Modified Componen	t 812				
Primary Parents	EMAPA:17	948[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:1794	18	-

Modified Component 813			
ID	EMAPA:27588	Is Group Term	false
Name	mesonephric tubul	е	
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 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		
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		

Modified Component 814			
		7), cloaca(EMAPA:: hyme(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	

Modified Component 815			
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	1. Different Order - Referenced Component has no order entries; This Component has order entry <3 for EMAPA: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 system		

Modified Componer	at 817			
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[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), 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

Modified Componen	t 819
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>		
	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

Modified Componen	ıt 822		
Primary Parents	EMAPA:17381[repro	oductive system]	
Group Parents			
Synonyms	[gonad primordium	n]	
Primary Path	organ system(EMAF organ(EMAPA:16245	y(EMAPA:0), mouse(PA:16103), viscera 5), reproductive 31), gonad(EMAPA:1	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), 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	ter	
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), adventitia of ureter(EMAPA:28114)]		
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 Componer	t 824		
ID	EMAPA: 27577	Is Group Term	false
Name	cloacal epitheliu	m	
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:27573[cloac	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

Modified Componen	t 824
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 sys	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	1. Different Order - Referenced Component has no order entries; This Component has order entry <9 for EMAPA:17959>		
	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 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), 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 tubule		
Starts At	TS22 Ends At TS28		

Modified Compor	
Primary Parents	EMAPA:17954[early nephron GROUP] EMAPA:28491[mature nephron] EMAPA:28506[developing capillary loop stage nephron GROUP] EMAPA:28445[stage IV immature nephron] EMAPA:28527[late tubule] EMAPA:17952[renal cortex] EMAPA:28485[maturing nephron]
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)]
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)]
	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)]
	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),

Modified Componer	n+ 827
Modified Componer	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>
	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	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), cystic vesicular appendage(EMAPA:18978)]		

Modified Component 828				
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 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 plate of male(EMAPA:18998)]		
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 plate of male(EMAPA:18998)]		
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		t Order - Referend This Component ha	

Modified Componen	t 830	
	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		t Order - Referen This Component h	
	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 system	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]		

Modified Component 833			
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:17381), 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 ha no order entries; This Component has order entry < 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	[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)]		
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)]		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796	omy(EMAPA:0), mouse 9), organ system(19), reproduction 1), male reproduction 8), male external 0977), penis(EMAPA 89)]	EMAPA:16103), ductive tive

Modified Component 834				
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	Is Group Term	false
Name	vagina		
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), 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	

Modified Component 837				
Name	lamina p	ropria of	the bladder	
Starts At	TS22		Ends At	TS28
Primary Parents	EMAPA:183	321[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 organ(EMAPA:16245), reproductive system(EMAPA:17381), female reproductive system(EMAPA:17959), ovary(EMAPA:17962), ovigerous cord(EMAPA:31058)]			
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[mesentery]			
Group Parents				
Synonyms	[]			
	[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)]			

Modified Component 839					
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:1736	7	

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)]			
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			

Modified Component 841					
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:29603>				
	2. order=1 for EMAPA:29603				

Modified Componen	odified Component 842				
ID	EMAPA:29603	Is Group Term	false		
Name	vasculature of te	stis			
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), vasculature of testis(EMAPA:29603)]				
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)]				
Rule Status	PASSED	Edit Status	CHANGED		
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <11 for EMAPA:17972>				
	2. order=11 for EMAPA:17972				

Modified Component 843				
	1		C 3	
ID	EMAPA:30051	Is Group Term	false	
Name	circular muscle l	ayer of rest of or	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	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:30049>			
	2. order=1	for EMAPA:30049		

Modified Compone	odified Component 844				
ID	EMAPA:31021	Is Group Term	false		
Name	bend				
Starts At	TS22	Ends At	TS24		
Primary Parents		lary renal tubule ture loop of Henle			
Group Parents					
Synonyms	[U-turn]				
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA medulla(EMAPA:192	(EMAPA:0), mouse(2A:16103), viscera b), urinary system 1:17373), renal 179), immature loo 1), bend(EMAPA:310	l (EMAPA:17366), p of		
Alternate Paths	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA:284 Henle(EMAPA:28049 tubule(EMAPA:3141 2. [Abstract anat organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA:284 mephron(EMAPA:284	comy(EMAPA:0), mousely a:16103), viscera (a), urinary system (a:17373), stage IV (45), immature loop (b), medullary rena (4), bend(EMAPA:31 (c)), mousely (2A:16103), viscera (b), urinary system (45), immature loop (45), immatu	<pre>1 (EMAPA:17366), immature p of 1 021)] se(EMAPA:25765), 1 (EMAPA:17366), immature p of</pre>		
	Henle(EMAPA:28049), bend(EMAPA:31021)] 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), bend(EMAPA:31021)] 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), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414), bend(EMAPA:31021)] 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), bend(EMAPA:31021)]				
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA Henle(EMAPA:28049	comy(EMAPA:0), mou (9), organ system() (APA:16245), urina (6), metanephros(E) (APA:19279), immatu (1), medullary rena (4), bend(EMAPA:31	EMAPA:16103), ry MAPA:17373), re loop of l		
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1736 renal medulla(EMA	comy(EMAPA:0), mouse 19), organ system(19), organ system(19), urina: 19), metanephros(EMAPA:19279), immatu: 10), bend(EMAPA:310	EMAPA:16103), ry MAPA:17373), re loop of		
Rule Status	PASSED	Edit Status	CHANGED		
Comments		nt Order - Referend This Component h			
		t Order - Referen This Component h			
	3. order=1 order=1 for EMAPA	for EMAPA:28049 3:31414			

Modified Component 845				
ID	EMAPA:30991	Is Group Term	true	
Name	epithelium of vag	ina	<u> </u>	
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	_	

W-1151-1 G 046			
Modified Componer	EMAPA:30043	Is Group Term	false
Name	renal medullary capillary		
Starts At	TS23	Ends At	TS28
Primary Parents	EMAPA: 28457 [renal	medullary vascul vasculature] EMA IAPA:31443[renal c	ature] PA:31469[small
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	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)]		
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	.omy(EMAPA:0), mou A:16103), viscera), urinary system 1:17373), small bl 1:69), renal medull 1:0043)]	l (EMAPA:17366), ood
	organ system(EMAP organ(EMAPA:16245 metanephros(EMAPA	:31443), renal me	l (EMAPA:17366),

Modified Component 846 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)] PASSED Edit Status CHANGED Rule Status Different Order - Referenced Component has no order entries; This Component has order entry <2 Comments 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> 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:17962[ovary] EMAPA:31058[ovi	gerous 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), meiotic oocytes(EMAPA:31025)]			
Alternate Paths	organ system(EMAP organ(EMAPA:16245	omy(EMAPA:0), mous A:16103), viscera), reproductive 1), female reprodu	1	

Modified Componer	ıt 847				
	system(EMAPA:17959), ovary(EMAPA:17962), ovigerous cord(EMAPA:31058), meiotic occytes(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)]			EMAPA:16103), ductive uctive 7962), ovigerous	
	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>				
		order=4 for EMAPA	for EMAPA:179 .:31058	62	

Modified Component 848			
ID	EMAPA:30997	Is Group Term	true
Name	muscular layer of	vagina	
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), 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		

Modified Component 849				
		9), oviduct(EMAPA 05), muscle layer 49)]		
Alternate Paths	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1795	comy(EMAPA:0), mousing (EMAPA:0), mousing (EMAPA:16245), reproduct (EMAPA:0), oviduct(EMAPA:005), muscle layer (EMAPA:005), muscle layer (EMAPA:005)	EMAPA:16103), ductive uctive :18984), 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:29905>			
	2. order=1	for EMAPA:29905		

Modified Component 850				
ID	EMAPA:30057	Is Group Term	false	
Name	longitudinal musc	longitudinal muscle layer of ductus deferens		
Starts At	TS28	Ends At	TS28	
Primary Parents	EMAPA:29270[musc]	le layer of ductus	deferens]	
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796 muscle layer of c	31), male reproduc 58), ductus defere ductus deferens(EM cle layer of ductu	l tive ns(EMAPA:18681), APA:29270),	
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:29270), longitudinal muscle layer of ductus deferens(EMAPA:29270), deferens(EMAPA:30057)]			
	embryo(EMAPA:1603 visceral organ(EM system(EMAPA:1738 system(EMAPA:1796 structure(EMAPA:2 deferens(EMAPA:18	3681), muscle laye 9270), longitudina	EMAPA:16103), ductive tive ed reproductive	
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Differer no order entries; for EMAPA:29270>	nt Order - Referen This Component h	ced Component has as order entry <1	
	2. order=1	for EMAPA:29270		

Modified Component 851				

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	organ system(EMAP organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1795 oviduct(EMAPA:299	1), female reprod 9), oviduct(EMAPA 05), muscle layer 49), longitudinal	l uctive :18984), rest of of rest of	
Alternate Paths	embryo(EMAPA:1603	omy(EMAPA:0), mousely), organ system(19), organ system(10), female reproduct(EMAPA:05), muscle layer 49), longitudinal	EMAPA:16103), ductive	
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 Compon	ent 852 EMAPA:30055	Is Group Term	false
Name		layer of ductus de][
Starts At	TS28	Ends At	TS28
Primary Parents		le layer of ductus	
Group Parents			
Synonyms	[]		
Primary Path	organ system(EMAF organ(EMAPA:16245 system(EMAPA:1738 system(EMAPA:1796	31), male reproduc 58), ductus defere ductus deferens(EM Layer of ductus	l tive ns(EMAPA:18681),
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),		
	circular muscle 1 deferens(EMAPA:30 3. [Abstract anatembryo(EMAPA:1603	0055)] tomy(EMAPA:0), mou 39), organ system(se(EMAPA:25765), EMAPA:16103),
	system(EMAPA:1738	MAPA:16245), repro 31), male reproduc 58), male associat	tive

Modified Component 852					
		8681), muscle layer 9270), circular mus			
Rule Status	PASSED	Edit Status	CHANGED		
Comments		t Order - Referend This Component ha			
	2. order=0	for EMAPA:29270			

Modified Compon					
ID	EMAPA:31017	Is Group Term	false		
Name	straight limb	straight limb			
Starts At	TS22	Ends At	TS24		
Primary Parents	EMAPA: 28049[imma EMAPA: 31414[medu	ture loop of Henle llary renal tubule	e] e]		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA medulla(EMAPA:19	ny(EMAPA:0), mouse PA:16103), viscera 5), urinary system PA:17373), renal (279), immature loc (9), straight limb	al n(EMAPA:17366), op of		
Alternate Paths	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA nephron(EMAPA:2804 Henle(EMAPA:2804	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), 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:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:17366), metanephros(EMAPA:17373), stage IV immature nephron(EMAPA:28445), immature loop of Henle(EMAPA:31414), straight limb(EMAPA:31017)]			
	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA: nephron(EMAPA:28				
	organ system(EMA organ(EMAPA:1624 metanephros(EMAPA medulla(EMAPA:19 Henle(EMAPA:2804				
	embryo(EMAPA:160 visceral organ(E system(EMAPA:173 stage IV immatur				
	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:17366), metanephros(EMAPA:17373), renal medulla(EMAPA:19279), immature loop of Henle(EMAPA:28049), medullary renal tubule(EMAPA:31414), straight limb(EMAPA:31017)]				
	embryo(EMAPA:160	tomy(EMAPA:0), mou 139), organ system MAPA:16245), urina	(EMAPA:16103),		

Modified Component 853				
	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 order=0 for EMAP.	for EMAPA:28049 A:31414		

Modified Component 854					
ID	EMAPA:30984	IS Group Term true			
Name	female external g	genitalia			
Starts At	TS23	Ends At	TS28		
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 external genitalia(EMAPA:30984)]				
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 external genitalia(EMAPA:30984)]				
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>			

Modified Componen	t 855				
	2.	order=17	for	EMAPA:17373	

Modified Component 856				
ID	EMAPA:30072			
Name	mesenchyme of par portion	amesonephric duct	, mesonephric	
Starts At	TS23	Ends At	TS23	
Primary Parents	EMAPA:28937[param mesonephric porti	nesonephric duct o .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	
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		

Modified Component 857						
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 syste	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	1. Different Order - Referenced Component has no order entries; This Component has order entry <17 for EMAPA:17968>			
	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			

ID EMAPA: 31045 Is Group Term false	Modified Component 860				
	ID	EMAPA:31045	Is Group Term	false	

Modified Component 860				
Name	ureteric tree terminal branch excluding tip itself			
Starts At	TS21	Ends At	TS28	
Primary Parents	EMAPA: 27721 [nephr EMAPA: 28407 [colle	rogenic zone] ecting duct]		
Group Parents				
Synonyms	[]			
Primary Path	organ system(EMAF organ(EMAPA:16245 metanephros(EMAPA zone(EMAPA:27721)	(EMAPA:0), mouse(PA:16103), viscera 5), urinary system A:17373), nephroge , ureteric tree t self(EMAPA:31045)]	al a(EMAPA:17366), enic eerminal branch	
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	
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 order=1 for EMAPA	for EMAPA:27721 A:28407		

Modified Component 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			ced Component has as order entry <6	
1	II			

Modified Compo	onent 861			
	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:19279[renal nephron]	medulla] EMAPA:2	8491[mature	
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)]			
	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=9 order=1 for EMAPA	for EMAPA:19279 ::28491		

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				

Modified Component 863				
		8), male accessory		
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	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)]			
Rule Status	PASSED	Edit Status	CHANGED	
Comments	1. Different Order - Referenced Component has no order entries; This Component has order entry <0 for EMAPA:19285>			
	2. order=0	for EMAPA:19285		

	1	1	T		
ID	EMAPA:19289	Is Group Term	false		
Name	tunica albuginea	of testis			
Starts At	TS24	Ends At	TS28		
Primary Parents	EMAPA:17972[test:	is]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMAl 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), tunica albuginea of testis(EMAPA:19289)]			
Alternate Paths	embryo(EMAPA:160) visceral organ(EM 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), 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 syst	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 Compone	lified Component 867				
ID	EMAPA:31040	Is Group Term	false		
Name	rest of cortical ovary	rest of cortical component of mesenchymal stroma of ovary			
Starts At	TS24	Ends At	TS27		
Primary Parents	EMAPA:29009[cort stroma]	ical component of	mesenchymal		
Group Parents					
Synonyms	[]				
Primary Path	organ system(EMA) organ(EMAPA:1624 system(EMAPA:173 system(EMAPA:179 mesenchymal strocomponent of mesof cortical comp	[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		

Modified Component 868				
Name	epithelium of neck			
Starts At	TS22	Ends At	TS28	
Primary Parents	EMAPA:28601[epi	thelium 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		
Name	scrotum	scrotum			
Starts At	TS28	Ends At	TS28		
Primary Parents		EMAPA:30977[male external genitalia] EMAPA:17968[male reproductive system]			
Group Parents					
Synonyms	[]				
Primary Path	organ system(EM organ(EMAPA:162 system(EMAPA:17	my(EMAPA:0), mouse(APA:16103), viscera 45), reproductive 381), male reproduc 968), 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	no order entrie	1. Different Order - Referenced Component has no order entries; This Component has order entry <24 for EMAPA:17968>			
	2. Different Order - Referenced Component has order entry for EMAPA:30977>				
		3. order=24 for EMAPA:17968 order=4 for EMAPA:30977			

Modified Component 870				
ID	EMAPA:31035	Is Group Term	false	
Name	pre-granulosa cell			
Starts At	TS24	Ends At	TS27	
Primary Parents	EMAPA:31058[ovige component of mese	rous cord] EMAPA: nchymal stroma]	29009[cortical	
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)] 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), 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 for EMAPA:29009 order=1 for EMAPA: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. Differen	t Order - Referen	ced Component has

Modified Component 871				
	no order entries; This Component has order entry			
	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	
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			
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), crus penis(EMAPA:19294)]			
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 system(EMAPA:17968), penis(EMAPA:18682), crus penis(EMAPA:19294)]			
	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	

Modified Component 873					
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				

TD	EMAPA:19293	Is Group Term	false	
Name	corpus epididymis			
Starts At	TS24	Ends At	TS28	
Primary Parents	EMAPA:19290[epidi	.dymis]	JL	
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	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), 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	1. Different Order - Referenced Component has no order entries; This Component has order entry <1 for EMAPA:17382>			
	2. order=1	for EMAPA:17382		

Modified Component 876					
ID	EMAPA:19292 Is Group Term false				
Name	cauda epididymis				

Modified Component 876					
Starts At	TS24		Ends At		TS28
Primary Parents	EMAPA:192	290[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:1	9290	

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 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				

Modified Component 878					
	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	1. Different Order - Referenced Component has no order entries; This Component has order entry <12 for EMAPA:17968> 2. order=12 for EMAPA:17968				

Modified Component 879					
ID	EMAPA:30965	Is Group Term	false		
Name	glomerular bas	glomerular basement membrane			
Starts At	TS22	Ends At	TS27		
Primary Parents	EMAPA:27949[ma	turing glomerular	tuft]		
Group Parents					
Synonyms	[]	[]			
Primary Path	organ system(E organ(EMAPA:16 metanephros(EM cortex(EMAPA:1 corpuscle(EMAP 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 basement membrane(EMAPA:30965)]			
Alternate Paths	organ system(E organ(EMAPA:16 metanephros(EM nephron(EMAPA: corpuscle(EMAP tuft(EMAPA:279	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), 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)]				
	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), glomerular basement membrane(EMAPA:30965)]				
	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), glomerular basement membrane(EMAPA:30965)]				
	embryo(EMAPA:1 visceral organ system(EMAPA:1 stage IV immat renal corpuscl tuft(EMAPA:279	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), glomerular basement membrane(EMAPA:30965)]			
	6. [Abstract a	natomy(EMAPA:0),	mouse(EMAPA:25765),		

Modified Component 879 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 basement membrane(EMAPA:30965)] [Abstract anatomy(EMAPA:0), mouse(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 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 corpuscle(EMAPA:27943), maturing glomerular tuft(EMAPA:27949), glomerular basement membrane(EMAPA:30965)] PASSED Edit Status CHANGED Rule Status 1. Different Order - Referenced Component has Comments no order entries; This Component has order entry <3 for EMAPA:27949>

order=3 for EMAPA:27949

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.