

**Editor Report for
Import of OBO File:
/net/homehost/export/home/mwicks/ma-
day/workspace/Anatomy/Database/Versions/Version007/ConvertFromVersion0
06/OBOFiles/test.obo**

<i>Components Checked Status</i>	<i>Failed*</i>	<i>Passed**</i>	<i>Total</i>
All Components	0	5221	5221
New	0	22	22
Modified	0	129	129
Deleted	0	0	0
Unchanged	0	5037	5037

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

***Passed: Components have passed all checks and are approved for any updates that will take place*

CRITICAL COMPONENTS: REQUIRE REVISION

Total Critical Components: 0

NEW COMPONENTS

Total New Components: 22

1. TH_ADD:00003 - trunk
2. TH_ADD:00002 - head
3. TH_ADD:00001 - polar body GROUP
4. TH_ADD:00008 - allantois blood vessel
5. TH_ADD:00009 - allantois endothelium
6. TH_ADD:00006 - extraembryonic mesoderm
7. TH_ADD:00007 - extraembryonic mesenchyme
8. TH_ADD:00004 - 4-cell stage
9. TH_ADD:00005 - 8-cell stage
10. TH_ADD:00022 - yolk sac blood vessel
11. TH_ADD:00020 - trabecular cord mesodermal core
12. TH_ADD:00021 - umbilical ring
13. TH_ADD:00019 - cytotrophoblast
14. TH_ADD:00018 - trabecular cord
15. TH_ADD:00017 - interplacental space
16. TH_ADD:00016 - chorionic plate
17. TH_ADD:00015 - chorioallantoic placenta
18. TH_ADD:00013 - primary trophoblast giant cell
19. TH_ADD:00014 - secondary trophoblast giant cell
20. TH_ADD:00011 - spongiotrophoblast
21. TH_ADD:00012 - trophoblast giant cell GROUP
22. TH_ADD:00010 - labyrinthine zone

DETAILS:

New Component 1			
ID	TH_ADD:00003	Is Group Term	false
Name	trunk		
Starts At	TS12	Ends At	TS26
Primary Parents	EMAPA:25765[mouse] EMAPA:16039[embryo]		
Group Parents			
Synonyms	[body]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 2			
ID	TH_ADD:00002	Is Group Term	false
Name	head		
Starts At	TS12	Ends At	TS26
Primary Parents	EMAPA:16039[embryo] EMAPA:25765[mouse]		
Group Parents			
Synonyms	[head region]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 3			
ID	TH_ADD:00001	Is Group Term	true
Name	polar body GROUP		
Starts At	TS01	Ends At	TS01
Primary Parents			
Group Parents	EMAPA:25765[mouse]		
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments			

New Component 3	
<i>Comments</i>	1.

New Component 4			
<i>ID</i>	TH_ADD:00008	<i>Is Group Term</i>	false
<i>Name</i>	allantois blood vessel		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS15
<i>Primary Parents</i>	EMAPA:16107[allantois]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 5			
<i>ID</i>	TH_ADD:00009	<i>Is Group Term</i>	false
<i>Name</i>	allantois endothelium		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS15
<i>Primary Parents</i>	EMAPA:16107[allantois]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 6			
<i>ID</i>	TH_ADD:00006	<i>Is Group Term</i>	false
<i>Name</i>	extraembryonic mesoderm		
<i>Starts At</i>	TS11	<i>Ends At</i>	TS11
<i>Primary Parents</i>	EMAPA:16042[extraembryonic component]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 7			
<i>ID</i>	TH_ADD:00007	<i>Is Group Term</i>	false
<i>Name</i>	extraembryonic mesenchyme		
<i>Starts At</i>	TS11	<i>Ends At</i>	TS15
<i>Primary Parents</i>	EMAPA:16042[extraembryonic component]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 8			
<i>ID</i>	TH_ADD:00004	<i>Is Group Term</i>	false
<i>Name</i>	4-cell stage		

New Component 8			
Starts At	TS03	Ends At	TS03
Primary Parents	EMAPA:16037[4-8 cell stage]		
Group Parents			
Synonyms	[4-cell embryo]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 9			
ID	TH_ADD:00005	Is Group Term	false
Name	8-cell stage		
Starts At	TS03	Ends At	TS03
Primary Parents	EMAPA:16037[4-8 cell stage]		
Group Parents			
Synonyms	[8-cell embryo]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 10			
ID	TH_ADD:00022	Is Group Term	false
Name	yolk sac blood vessel		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16085[yolk sac]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 11			
ID	TH_ADD:00020	Is Group Term	false
Name	trabecular cord mesodermal core		
Starts At	TS18	Ends At	TS26
Primary Parents	TH_ADD:00018[trabecular cord]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 12			
ID	TH_ADD:00021	Is Group Term	false
Name	umbilical ring		
Starts At	TS13	Ends At	TS15
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW

New Component 12	
<i>Comments</i>	1.

New Component 13			
<i>ID</i>	TH_ADD:00019	<i>Is Group Term</i>	false
<i>Name</i>	cytotrophoblast		
<i>Starts At</i>	TS19	<i>Ends At</i>	TS26
<i>Primary Parents</i>	TH_ADD:00018[trabecular cord]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 14			
<i>ID</i>	TH_ADD:00018	<i>Is Group Term</i>	false
<i>Name</i>	trabecular cord		
<i>Starts At</i>	TS18	<i>Ends At</i>	TS26
<i>Primary Parents</i>	TH_ADD:00015[chorioallantoic placenta]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 15			
<i>ID</i>	TH_ADD:00017	<i>Is Group Term</i>	false
<i>Name</i>	interplacental space		
<i>Starts At</i>	TS18	<i>Ends At</i>	TS26
<i>Primary Parents</i>	TH_ADD:00015[chorioallantoic placenta]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 16			
<i>ID</i>	TH_ADD:00016	<i>Is Group Term</i>	false
<i>Name</i>	chorionic plate		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS26
<i>Primary Parents</i>	TH_ADD:00015[chorioallantoic placenta]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	NEW
<i>Comments</i>	1.		

New Component 17			
<i>ID</i>	TH_ADD:00015	<i>Is Group Term</i>	false
<i>Name</i>	chorioallantoic placenta		

New Component 17			
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 18			
ID	TH_ADD:00013	Is Group Term	false
Name	primary trophoblast giant cell		
Starts At	TS13	Ends At	TS15
Primary Parents	TH_ADD:00012[trophoblast giant cell GROUP]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 19			
ID	TH_ADD:00014	Is Group Term	false
Name	secondary trophoblast giant cell		
Starts At	TS13	Ends At	TS15
Primary Parents	TH_ADD:00012[trophoblast giant cell GROUP]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 20			
ID	TH_ADD:00011	Is Group Term	false
Name	spongiotrophoblast		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16046[trophectoderm]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

New Component 21			
ID	TH_ADD:00012	Is Group Term	false
Name	trophoblast giant cell GROUP		
Starts At	TS13	Ends At	TS15
Primary Parents	EMAPA:16046[trophectoderm]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW

New Component 21	
Comments	1.

New Component 22			
ID	TH_ADD:00010	Is Group Term	false
Name	labyrinthine zone		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16046[trophectoderm]		
Group Parents			
Synonyms	[]		
Rule Status	PASSED	Edit Status	NEW
Comments	1.		

MODIFIED COMPONENTS

Total Modified Components: 129

1. EMAPA:16372 - umbilical artery extraembryonic part
2. EMAPA:16371 - extraembryonic arterial system
3. EMAPA:16374 - extraembryonic venous system
4. EMAPA:16373 - common umbilical artery
5. EMAPA:16376 - common umbilical vein
6. EMAPA:16375 - umbilical vein extraembryonic part
7. EMAPA:16378 - right umbilical vein extraembryonic part
8. EMAPA:16377 - left umbilical vein extraembryonic part
9. EMAPA:16370 - extraembryonic vascular system
10. EMAPA:16379 - vitelline vein extraembryonic part
11. EMAPA:16385 - mandibular component mesenchyme
12. EMAPA:16384 - mandibular component endoderm
13. EMAPA:16383 - mandibular component ectoderm
14. EMAPA:16382 - 1st branchial arch mandibular component
15. EMAPA:16389 - maxillary component ectoderm
16. EMAPA:16388 - 1st branchial arch maxillary component
17. EMAPA:16387 - mandibular component mesenchyme derived from neural crest
18. EMAPA:16386 - mandibular component mesenchyme derived from head mesoderm
19. EMAPA:16381 - right vitelline vein extraembryonic part
20. EMAPA:16380 - left vitelline vein extraembryonic part
21. EMAPA:16359 - right umbilical vein embryonic part
22. EMAPA:16358 - left umbilical vein embryonic part
23. EMAPA:16331 - umbilical artery embryonic part
24. EMAPA:16391 - maxillary component mesenchyme
25. EMAPA:16392 - maxillary component mesenchyme derived from head mesoderm
26. EMAPA:16390 - maxillary component endoderm
27. EMAPA:16399 - 3rd branchial arch
28. EMAPA:16397 - 2nd branchial groove ectoderm
29. EMAPA:16398 - 2nd branchial membrane ectoderm
30. EMAPA:16395 - maxillary-mandibular groove ectoderm
31. EMAPA:16396 - 2nd branchial groove
32. EMAPA:16393 - maxillary component mesenchyme derived from neural crest
33. EMAPA:16400 - 3rd branchial arch ectoderm
34. EMAPA:16403 - 3rd branchial arch mesenchyme derived from head mesoderm
35. EMAPA:16404 - 3rd branchial arch mesenchyme derived from neural crest
36. EMAPA:16401 - 3rd branchial arch endoderm
37. EMAPA:16402 - 3rd branchial arch mesenchyme
38. EMAPA:16130 - mesenchyme derived from head mesoderm
39. EMAPA:16126 - 1st branchial arch ectoderm
40. EMAPA:16127 - 1st branchial arch endoderm
41. EMAPA:16128 - mesenchyme
42. EMAPA:16129 - mesenchyme derived from neural crest
43. EMAPA:16112 - chorion
44. EMAPA:16111 - amnion mesoderm
45. EMAPA:16114 - chorion mesoderm
46. EMAPA:16113 - chorion ectoderm
47. EMAPA:16110 - amnion ectoderm
48. EMAPA:16108 - allantois mesoderm
49. EMAPA:16109 - amnion
50. EMAPA:16107 - allantois
51. EMAPA:16125 - 1st branchial pouch endoderm
52. EMAPA:16124 - 1st branchial pouch
53. EMAPA:16123 - 1st branchial membrane endoderm
54. EMAPA:16122 - 1st branchial membrane ectoderm
55. EMAPA:16121 - 1st branchial membrane
56. EMAPA:16120 - 1st branchial groove ectoderm
57. EMAPA:16119 - 1st branchial groove
58. EMAPA:16118 - 1st branchial arch
59. EMAPA:16992 - branchial membrane
60. EMAPA:16244 - vitelline vein embryonic part
61. EMAPA:16243 - umbilical vein embryonic part
62. EMAPA:16264 - allantois mesenchyme
63. EMAPA:16268 - blood island
64. EMAPA:16267 - yolk sac mesenchyme
65. EMAPA:16266 - chorion mesenchyme
66. EMAPA:16265 - amnion mesenchyme
67. EMAPA:16278 - 2nd branchial arch endoderm
68. EMAPA:16279 - 2nd branchial arch mesenchyme
69. EMAPA:16276 - 2nd branchial pouch endoderm
70. EMAPA:16277 - 2nd branchial arch ectoderm
71. EMAPA:16274 - 2nd branchial membrane endoderm
72. EMAPA:16275 - 2nd branchial pouch
73. EMAPA:16272 - 2nd branchial arch
74. EMAPA:16273 - 2nd branchial membrane
75. EMAPA:16280 - 2nd branchial arch mesenchyme derived from head mesoderm
76. EMAPA:16281 - 2nd branchial arch mesenchyme derived from neural crest
77. EMAPA:16762 - 4th branchial groove ectoderm
78. EMAPA:16763 - 4th branchial membrane
79. EMAPA:16760 - 4th branchial arch
80. EMAPA:16761 - 4th branchial groove

81. EMAPA:16759 - 3rd branchial pouch ventral endoderm
 82. EMAPA:16758 - 3rd branchial pouch dorsal endoderm
 83. EMAPA:16771 - 4th branchial arch mesenchyme derived from head mesoderm
 84. EMAPA:16772 - 4th branchial arch mesenchyme derived from neural crest
 85. EMAPA:16770 - 4th branchial arch mesenchyme
 86. EMAPA:16769 - 4th branchial arch endoderm
 87. EMAPA:16768 - 4th branchial arch ectoderm
 88. EMAPA:16765 - 4th branchial membrane endoderm
 89. EMAPA:16764 - 4th branchial membrane ectoderm
 90. EMAPA:16767 - 4th branchial pouch endoderm
 91. EMAPA:16766 - 4th branchial pouch
 92. EMAPA:26151 - vitelline vein itelline duct part
 93. EMAPA:26139 - vitelline duct
 94. EMAPA:26127 - umbilical cord mesenchyme
 95. EMAPA:26115 - umbilical cord
 96. EMAPA:16081 - exocoelomic cavity
 97. EMAPA:16086 - yolk sac endoderm
 98. EMAPA:16087 - yolk sac mesoderm
 99. EMAPA:16078 - amniotic fold mesoderm
 100. EMAPA:16079 - amniotic cavity
 101. EMAPA:16077 - amniotic fold ectoderm
 102. EMAPA:16883 - 3rd branchial groove epithelium
 103. EMAPA:16882 - 2nd branchial arch epithelium
 104. EMAPA:16046 - trophoctoderm
 105. EMAPA:16048 - polar trophoctoderm
 106. EMAPA:16034 - second polar body
 107. EMAPA:16032 - first polar body
 108. EMAPA:16064 - proamniotic cavity extraembryonic part
 109. EMAPA:16065 - extraembryonic ectoderm
 110. EMAPA:16068 - syncytiotrophoblast
 111. EMAPA:16067 - cytotrophoblast
 112. EMAPA:16055 - yolk sac cavity
 113. EMAPA:16054 - extraembryonic component cavities
 114. EMAPA:16053 - parietal endoderm
 115. EMAPA:16052 - extraembryonic endoderm
 116. EMAPA:16059 - ectoplacental cone
 117. EMAPA:16057 - Reichert's membrane
 118. EMAPA:17241 - 1st branchial groove epithelium
 119. EMAPA:16544 - left umbilical artery
 120. EMAPA:16545 - right umbilical artery
 121. EMAPA:16581 - 3rd branchial groove
 122. EMAPA:16583 - 3rd branchial membrane
 123. EMAPA:16582 - 3rd branchial groove ectoderm
 124. EMAPA:16585 - 3rd branchial membrane endoderm
 125. EMAPA:16584 - 3rd branchial membrane ectoderm
 126. EMAPA:16587 - 3rd branchial pouch endoderm
 127. EMAPA:16586 - 3rd branchial pouch
 128. EMAPA:16698 - left vitelline vein embryonic part
 129. EMAPA:16699 - right vitelline vein embryonic part

DETAILS:

Modified Component 1			
ID	EMAPA:16372	Is Group Term	false
Name	umbilical artery extraembryonic part		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16371[extraembryonic arterial system]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic arterial system(EMAPA:16371), umbilical artery extraembryonic part(EMAPA:16372)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16372 has name [umbilical artery]		

Modified Component 2			

Modified Component 2			
ID	EMAPA:16371	Is Group Term	false
Name	extraembryonic arterial system		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16370[extraembryonic vascular system]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic arterial system(EMAPA:16371)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. 2. Different Name - Referenced Component EMAPA:16371 has name [arterial system]		

Modified Component 3			
ID	EMAPA:16374	Is Group Term	false
Name	extraembryonic venous system		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16370[extraembryonic vascular system]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. 2. Different Name - Referenced Component EMAPA:16374 has name [venous system]		

Modified Component 4			
ID	EMAPA:16373	Is Group Term	false
Name	common umbilical artery		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16372[umbilical artery extraembryonic part]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic arterial system(EMAPA:16371), umbilical artery extraembryonic part(EMAPA:16372), common umbilical artery(EMAPA:16373)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1. 2. Different Name - Referenced Component EMAPA:16373 has name [common]		

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Modified Component 5			
<i>ID</i>	EMAPA:16376	<i>Is Group Term</i>	false
<i>Name</i>	common umbilical vein		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:16375[umbilical vein extraembryonic part]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374), umbilical vein extraembryonic part(EMAPA:16375), common umbilical vein(EMAPA:16376)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16376 has name [common]		

Modified Component 6			
<i>ID</i>	EMAPA:16375	<i>Is Group Term</i>	false
<i>Name</i>	umbilical vein extraembryonic part		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:16374[extraembryonic venous system]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374), umbilical vein extraembryonic part(EMAPA:16375)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16375 has name [umbilical vein]		

Modified Component 7			
<i>ID</i>	EMAPA:16378	<i>Is Group Term</i>	false
<i>Name</i>	right umbilical vein extraembryonic part		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS14
<i>Primary Parents</i>	EMAPA:16375[umbilical vein extraembryonic part]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374), umbilical vein extraembryonic part(EMAPA:16375), right umbilical vein extraembryonic part(EMAPA:16378)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		

Modified Component 7			
		2. Different Name - Referenced Component EMAPA:16378 has name [right]	

Modified Component 8			
ID	EMAPA:16377	Is Group Term	false
Name	left umbilical vein extraembryonic part		
Starts At	TS13	Ends At	TS14
Primary Parents	EMAPA:16375[umbilical vein extraembryonic part]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374), umbilical vein extraembryonic part(EMAPA:16375), left umbilical vein extraembryonic part(EMAPA:16377)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16377 has name [left]		

Modified Component 9			
ID	EMAPA:16370	Is Group Term	false
Name	extraembryonic vascular system		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16370 has name [cardiovascular system]		

Modified Component 10			
ID	EMAPA:16379	Is Group Term	false
Name	vitelline vein extraembryonic part		
Starts At	TS13	Ends At	TS14
Primary Parents	EMAPA:16374[extraembryonic venous system]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374), vitelline vein extraembryonic part(EMAPA:16379)]		
Alternate Paths			

Modified Component 10			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16379 has name [vitelline vein]		

Modified Component 11			
ID	EMAPA:16385	Is Group Term	false
Name	mandibular component mesenchyme		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16382[1st branchial arch mandibular component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component mesenchyme(EMAPA:16385)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component mesenchyme(EMAPA:16385)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16385 has name [mesenchyme]		

Modified Component 12			
ID	EMAPA:16384	Is Group Term	false
Name	mandibular component endoderm		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16382[1st branchial arch mandibular component]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component endoderm(EMAPA:16384)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component endoderm(EMAPA:16384)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16384 has name [endoderm]		

Modified Component 13			
ID	EMAPA:16383	Is Group Term	false
Name	mandibular component ectoderm		
Starts At	TS14	Ends At	TS18

Modified Component 13			
Primary Parents	EMAPA:16382[1st branchial arch mandibular component]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component ectoderm(EMAPA:16383)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component ectoderm(EMAPA:16383)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16383 has name [ectoderm]		

Modified Component 14			
ID	EMAPA:16382	Is Group Term	false
Name	1st branchial arch mandibular component		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16382 has name [mandibular component]		

Modified Component 15			
ID	EMAPA:16389	Is Group Term	false
Name	maxillary component ectoderm		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16388[1st branchial arch maxillary component]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component ectoderm(EMAPA:16389)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component ectoderm(EMAPA:16389)]		
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 15	
Comments	1.
	2. Different Name - Referenced Component EMAPA:16389 has name [ectoderm]

Modified Component 16			
ID	EMAPA:16388	Is Group Term	false
Name	1st branchial arch maxillary component		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16388 has name [maxillary component]		

Modified Component 17			
ID	EMAPA:16387	Is Group Term	false
Name	mandibular component mesenchyme derived from neural crest		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16385[mandibular component mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component mesenchyme(EMAPA:16385), mandibular component mesenchyme derived from neural crest(EMAPA:16387)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component mesenchyme(EMAPA:16385), mandibular component mesenchyme derived from neural crest(EMAPA:16387)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16387 has name [mesenchyme derived from neural crest]		

Modified Component 18			
ID	EMAPA:16386	Is Group Term	false
Name	mandibular component mesenchyme derived from head mesoderm		
Starts At	TS14	Ends At	TS18

Modified Component 18			
Primary Parents	EMAPA:16385[mandibular component mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component mesenchyme(EMAPA:16385), mandibular component mesenchyme derived from head mesoderm(EMAPA:16386)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch mandibular component(EMAPA:16382), mandibular component mesenchyme(EMAPA:16385), mandibular component mesenchyme derived from head mesoderm(EMAPA:16386)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16386 has name [mesenchyme derived from head mesoderm]		

Modified Component 19			
ID	EMAPA:16381	Is Group Term	false
Name	right vitelline vein extraembryonic part		
Starts At	TS13	Ends At	TS14
Primary Parents	EMAPA:16379[vitelline vein extraembryonic part]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374), vitelline vein extraembryonic part(EMAPA:16379), right vitelline vein extraembryonic part(EMAPA:16381)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16381 has name [right]		

Modified Component 20			
ID	EMAPA:16380	Is Group Term	false
Name	left vitelline vein extraembryonic part		
Starts At	TS13	Ends At	TS14
Primary Parents	EMAPA:16379[vitelline vein extraembryonic part]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic vascular system(EMAPA:16370), extraembryonic venous system(EMAPA:16374), vitelline vein extraembryonic part(EMAPA:16379), left vitelline vein extraembryonic part(EMAPA:16380)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED

Modified Component 20	
Comments	1.
	2. Different Name - Referenced Component EMAPA:16380 has name [left]

Modified Component 21			
ID	EMAPA:16359	Is Group Term	false
Name	right umbilical vein embryonic part		
Starts At	TS13	Ends At	TS15
Primary Parents	EMAPA:16243[umbilical vein embryonic part]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), umbilical vein embryonic part(EMAPA:16243), right umbilical vein embryonic part(EMAPA:16359)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), umbilical vein embryonic part(EMAPA:16243), right umbilical vein embryonic part(EMAPA:16359)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16359 has name [right]		

Modified Component 22			
ID	EMAPA:16358	Is Group Term	false
Name	left umbilical vein embryonic part		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16243[umbilical vein embryonic part]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), umbilical vein embryonic part(EMAPA:16243), left umbilical vein embryonic part(EMAPA:16358)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), umbilical vein embryonic part(EMAPA:16243), left umbilical vein embryonic part(EMAPA:16358)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16358 has name [left]		

Modified Component 23			
ID	EMAPA:16331	Is Group Term	false
Name	umbilical artery embryonic part		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16201[arterial system]		

Modified Component 23			
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), arterial system(EMAPA:16201), umbilical artery embryonic part(EMAPA:16331)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), arterial system(EMAPA:16201), umbilical artery embryonic part(EMAPA:16331)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16331 has name [umbilical artery]		

Modified Component 24			
ID	EMAPA:16391	Is Group Term	false
Name	maxillary component mesenchyme		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16388[1st branchial arch maxillary component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component mesenchyme(EMAPA:16391)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component mesenchyme(EMAPA:16391)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16391 has name [mesenchyme]		

Modified Component 25			
ID	EMAPA:16392	Is Group Term	false
Name	maxillary component mesenchyme derived from head mesoderm		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16391[maxillary component mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component mesenchyme(EMAPA:16391), maxillary component mesenchyme derived from head mesoderm(EMAPA:16392)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component mesenchyme(EMAPA:16391), maxillary component mesenchyme derived from head mesoderm(EMAPA:16392)]		

Modified Component 25			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16392 has name [mesenchyme derived from head mesoderm]		

Modified Component 26			
ID	EMAPA:16390	Is Group Term	false
Name	maxillary component endoderm		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16388[1st branchial arch maxillary component]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component endoderm(EMAPA:16390)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component endoderm(EMAPA:16390)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16390 has name [endoderm]		

Modified Component 27			
ID	EMAPA:16399	Is Group Term	false
Name	3rd branchial arch		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16117[branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16399 has name [3rd arch]		

Modified Component 28			
ID	EMAPA:16397	Is Group Term	false
Name	2nd branchial groove ectoderm		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16396[2nd branchial groove]		
Group Parents			
Synonyms	[epithelium]		

Modified Component 28			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial groove(EMAPA:16396), 2nd branchial groove ectoderm(EMAPA:16397)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial groove(EMAPA:16396), 2nd branchial groove ectoderm(EMAPA:16397)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16397 has name [ectoderm]		

Modified Component 29			
ID	EMAPA:16398	Is Group Term	false
Name	2nd branchial membrane ectoderm		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16273[2nd branchial membrane]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial membrane(EMAPA:16273), 2nd branchial membrane ectoderm(EMAPA:16398)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial membrane(EMAPA:16273), 2nd branchial membrane ectoderm(EMAPA:16398)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16398 has name [ectoderm]		

Modified Component 30			
ID	EMAPA:16395	Is Group Term	false
Name	maxillary-mandibular groove ectoderm		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16394[maxillary-mandibular groove]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), maxillary-mandibular groove(EMAPA:16394), maxillary-mandibular groove ectoderm(EMAPA:16395)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), maxillary-mandibular groove(EMAPA:16394), maxillary-mandibular groove ectoderm(EMAPA:16395)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16395 has name [ectoderm]		

Modified Component 31			
ID	EMAPA:16396	Is Group Term	false
Name	2nd branchial groove		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16272[2nd branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial groove(EMAPA:16396)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial groove(EMAPA:16396)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16396 has name [branchial groove]		

Modified Component 32			
ID	EMAPA:16393	Is Group Term	false
Name	maxillary component mesenchyme derived from neural crest		
Starts At	TS14	Ends At	TS18
Primary Parents	EMAPA:16391[maxillary component mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component mesenchyme(EMAPA:16391), maxillary component mesenchyme derived from neural crest(EMAPA:16393)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch maxillary component(EMAPA:16388), maxillary component mesenchyme(EMAPA:16391), maxillary component mesenchyme derived from neural crest(EMAPA:16393)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16393 has name [mesenchyme derived from neural crest]		

Modified Component 33			
ID	EMAPA:16400	Is Group Term	false
Name	3rd branchial arch ectoderm		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16399[3rd branchial arch]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch]		

Modified Component 33			
	ectoderm(EMAPA:16400)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch ectoderm(EMAPA:16400)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16400 has name [ectoderm]		

Modified Component 34			
ID	EMAPA:16403	Is Group Term	false
Name	3rd branchial arch mesenchyme derived from head mesoderm		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16402[3rd branchial arch mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch mesenchyme(EMAPA:16402), 3rd branchial arch mesenchyme derived from head mesoderm(EMAPA:16403)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch mesenchyme(EMAPA:16402), 3rd branchial arch mesenchyme derived from head mesoderm(EMAPA:16403)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16403 has name [mesenchyme derived from head mesoderm]		

Modified Component 35			
ID	EMAPA:16404	Is Group Term	false
Name	3rd branchial arch mesenchyme derived from neural crest		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16402[3rd branchial arch mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch mesenchyme(EMAPA:16402), 3rd branchial arch mesenchyme derived from neural crest(EMAPA:16404)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch mesenchyme(EMAPA:16402), 3rd branchial arch mesenchyme derived from neural crest(EMAPA:16404)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16404 has name [mesenchyme derived from neural crest]		

Modified Component 36			
ID	EMAPA:16401	Is Group Term	false
Name	3rd branchial arch endoderm		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16399[3rd branchial arch]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch endoderm(EMAPA:16401)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch endoderm(EMAPA:16401)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16401 has name [endoderm]		

Modified Component 37			
ID	EMAPA:16402	Is Group Term	false
Name	3rd branchial arch mesenchyme		
Starts At	TS14	Ends At	TS19
Primary Parents	EMAPA:16399[3rd branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch mesenchyme(EMAPA:16402)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial arch mesenchyme(EMAPA:16402)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16402 has name [mesenchyme]		

Modified Component 38			
ID	EMAPA:16130	Is Group Term	false
Name	mesenchyme derived from head mesoderm		
Starts At	TS12	Ends At	TS18
Primary Parents	EMAPA:16128[mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), mesenchyme(EMAPA:16128), mesenchyme derived from head mesoderm(EMAPA:16130)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), mesenchyme(EMAPA:16128), mesenchyme derived from head mesoderm(EMAPA:16130)]		

Modified Component 38			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16130 has End Stage [TS14]		

Modified Component 39			
ID	EMAPA:16126	Is Group Term	false
Name	1st branchial arch ectoderm		
Starts At	TS12	Ends At	TS18
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch ectoderm(EMAPA:16126)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch ectoderm(EMAPA:16126)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16126 has End Stage [TS14]		
	3. Different Name - Referenced Component EMAPA:16126 has name [ectoderm]		

Modified Component 40			
ID	EMAPA:16127	Is Group Term	false
Name	1st branchial arch endoderm		
Starts At	TS12	Ends At	TS14
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch endoderm(EMAPA:16127)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial arch endoderm(EMAPA:16127)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16127 has name [endoderm]		

Modified Component 41			
ID	EMAPA:16128	Is Group Term	false
Name	mesenchyme		
Starts At	TS12	Ends At	TS18
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			

Modified Component 41			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), mesenchyme(EMAPA:16128)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), mesenchyme(EMAPA:16128)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16128 has End Stage [TS14]		

Modified Component 42			
ID	EMAPA:16129	Is Group Term	false
Name	mesenchyme derived from neural crest		
Starts At	TS12	Ends At	TS18
Primary Parents	EMAPA:16128[mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), mesenchyme(EMAPA:16128), mesenchyme derived from neural crest(EMAPA:16129)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), mesenchyme(EMAPA:16128), mesenchyme derived from neural crest(EMAPA:16129)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16129 has End Stage [TS14]		

Modified Component 43			
ID	EMAPA:16112	Is Group Term	false
Name	chorion		
Starts At	TS11	Ends At	TS26
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), chorion(EMAPA:16112)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16112 has End Stage [TS12]		

Modified Component 44			
ID	EMAPA:16111	Is Group Term	false
Name	amnion mesoderm		

Modified Component 44			
Starts At	TS11	Ends At	TS11
Primary Parents	EMAPA:16109[amnion]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), amnion(EMAPA:16109), amnion mesoderm(EMAPA:16111)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16111 has name [mesoderm]		

Modified Component 45			
ID	EMAPA:16114	Is Group Term	false
Name	chorion mesoderm		
Starts At	TS11	Ends At	TS11
Primary Parents	EMAPA:16112[chorion]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), chorion(EMAPA:16112), chorion mesoderm(EMAPA:16114)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16114 has name [mesoderm]		

Modified Component 46			
ID	EMAPA:16113	Is Group Term	false
Name	chorion ectoderm		
Starts At	TS11	Ends At	TS13
Primary Parents	EMAPA:16112[chorion]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), chorion(EMAPA:16112), chorion ectoderm(EMAPA:16113)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16113 has End Stage [TS12]		
	3. Different Name - Referenced Component EMAPA:16113 has name [ectoderm]		

Modified Component 47			
ID	EMAPA:16110	Is Group Term	false

Modified Component 47			
Name	amnion ectoderm		
Starts At	TS11	Ends At	TS26
Primary Parents	EMAPA:16109[amnion]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), amnion(EMAPA:16109), amnion ectoderm(EMAPA:16110)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16110 has End Stage [TS12]		
	3. Different Name - Referenced Component EMAPA:16110 has name [ectoderm]		

Modified Component 48			
ID	EMAPA:16108	Is Group Term	false
Name	allantois mesoderm		
Starts At	TS10	Ends At	TS11
Primary Parents	EMAPA:16107[allantois]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), allantois(EMAPA:16107), allantois mesoderm(EMAPA:16108)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16108 has name [mesoderm]		

Modified Component 49			
ID	EMAPA:16109	Is Group Term	false
Name	amnion		
Starts At	TS11	Ends At	TS26
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), amnion(EMAPA:16109)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16109 has End Stage [TS12]		

Modified Component 50			
ID	EMAPA:16107	Is Group Term	false

Modified Component 50			
Name	allantois		
Starts At	TS10	Ends At	TS15
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[allantoic bud]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), allantois(EMAPA:16107)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16107 has End Stage [TS12]		

Modified Component 51			
ID	EMAPA:16125	Is Group Term	false
Name	1st branchial pouch endoderm		
Starts At	TS12	Ends At	TS19
Primary Parents	EMAPA:16124[1st branchial pouch]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial pouch(EMAPA:16124), 1st branchial pouch endoderm(EMAPA:16125)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial pouch(EMAPA:16124), 1st branchial pouch endoderm(EMAPA:16125)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16125 has name [endoderm]		

Modified Component 52			
ID	EMAPA:16124	Is Group Term	false
Name	1st branchial pouch		
Starts At	TS12	Ends At	TS19
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial pouch(EMAPA:16124)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial pouch(EMAPA:16124)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16124 has name [branchial pouch]		

Modified Component 53			
ID	EMAPA:16123	Is Group Term	false
Name	1st branchial membrane endoderm		
Starts At	TS12	Ends At	TS16
Primary Parents	EMAPA:16121[1st branchial membrane]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial membrane(EMAPA:16121), 1st branchial membrane endoderm(EMAPA:16123)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial membrane(EMAPA:16121), 1st branchial membrane endoderm(EMAPA:16123)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16123 has name [endoderm]		

Modified Component 54			
ID	EMAPA:16122	Is Group Term	false
Name	1st branchial membrane ectoderm		
Starts At	TS12	Ends At	TS16
Primary Parents	EMAPA:16121[1st branchial membrane]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial membrane(EMAPA:16121), 1st branchial membrane ectoderm(EMAPA:16122)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial membrane(EMAPA:16121), 1st branchial membrane ectoderm(EMAPA:16122)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16122 has name [ectoderm]		

Modified Component 55			
ID	EMAPA:16121	Is Group Term	false
Name	1st branchial membrane		
Starts At	TS12	Ends At	TS16
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial membrane(EMAPA:16121)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765),		

Modified Component 55			
	embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial membrane(EMAPA:16121)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16121 has name [branchial membrane]		

Modified Component 56			
ID	EMAPA:16120	Is Group Term	false
Name	1st branchial groove ectoderm		
Starts At	TS12	Ends At	TS18
Primary Parents	EMAPA:16119[1st branchial groove]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial groove(EMAPA:16119), 1st branchial groove ectoderm(EMAPA:16120)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial groove(EMAPA:16119), 1st branchial groove ectoderm(EMAPA:16120)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16120 has name [ectoderm]		

Modified Component 57			
ID	EMAPA:16119	Is Group Term	false
Name	1st branchial groove		
Starts At	TS12	Ends At	TS19
Primary Parents	EMAPA:16118[1st branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial groove(EMAPA:16119)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial groove(EMAPA:16119)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16119 has name [branchial groove]		

Modified Component 58			
ID	EMAPA:16118	Is Group Term	false
Name	1st branchial arch		
Starts At	TS12	Ends At	TS19

Modified Component 58			
Primary Parents	EMAPA:16117[branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16118 has name [1st arch]		

Modified Component 59			
ID	EMAPA:16992	Is Group Term	false
Name	branchial membrane		
Starts At	TS17	Ends At	TS18
Primary Parents	EMAPA:16991[external ear]		
Group Parents			
Synonyms	[future tympanic membrane]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), sensory organ(EMAPA:16192), ear(EMAPA:16193), external ear(EMAPA:16991), branchial membrane(EMAPA:16992)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), sensory organ(EMAPA:16192), ear(EMAPA:16193), external ear(EMAPA:16991), branchial membrane(EMAPA:16992)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16992 has name [1st branchial membrane]		

Modified Component 60			
ID	EMAPA:16244	Is Group Term	false
Name	vitelline vein embryonic part		
Starts At	TS12	Ends At	TS18
Primary Parents	EMAPA:16240[venous system]		
Group Parents			
Synonyms	[omphalomesenteric vein]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), vitelline vein embryonic part(EMAPA:16244)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), vitelline vein embryonic part(EMAPA:16244)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16244 has name [vitelline vein]		

Modified Component 61			
<i>ID</i>	EMAPA:16243	<i>Is Group Term</i>	false
<i>Name</i>	umbilical vein embryonic part		
<i>Starts At</i>	TS12	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:16240[venous system]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), umbilical vein embryonic part(EMAPA:16243)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), umbilical vein embryonic part(EMAPA:16243)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16243 has name [umbilical vein]		

Modified Component 62			
<i>ID</i>	EMAPA:16264	<i>Is Group Term</i>	false
<i>Name</i>	allantois mesenchyme		
<i>Starts At</i>	TS12	<i>Ends At</i>	TS15
<i>Primary Parents</i>	EMAPA:16107[allantois]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), allantois(EMAPA:16107), allantois mesenchyme(EMAPA:16264)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different End Stage - Referenced Component EMAPA:16264 has End Stage [TS12]		
	3. Different Name - Referenced Component EMAPA:16264 has name [mesenchyme]		

Modified Component 63			
<i>ID</i>	EMAPA:16268	<i>Is Group Term</i>	false
<i>Name</i>	blood island		
<i>Starts At</i>	TS12	<i>Ends At</i>	TS13
<i>Primary Parents</i>	EMAPA:16267[yolk sac mesenchyme]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), yolk sac(EMAPA:16085), yolk sac mesenchyme(EMAPA:16267), blood island(EMAPA:16268)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		

Modified Component 63			
		2. Different End Stage - Referenced Component EMAPA:16268 has End Stage [TS12]	

Modified Component 64			
ID	EMAPA:16267	Is Group Term	false
Name	yolk sac mesenchyme		
Starts At	TS12	Ends At	TS26
Primary Parents	EMAPA:16085[yolk sac]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), yolk sac(EMAPA:16085), yolk sac mesenchyme(EMAPA:16267)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16267 has name [mesenchyme]		

Modified Component 65			
ID	EMAPA:16266	Is Group Term	false
Name	chorion mesenchyme		
Starts At	TS11	Ends At	TS13
Primary Parents	EMAPA:16112[chorion]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), chorion(EMAPA:16112), chorion mesenchyme(EMAPA:16266)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16266 has End Stage [TS12]		
	3. Different Name - Referenced Component EMAPA:16266 has name [mesenchyme]		
	4. Different Start Stage - Referenced Component EMAPA:16266 has Start Stage [TS12]		

Modified Component 66			
ID	EMAPA:16265	Is Group Term	false
Name	amnion mesenchyme		
Starts At	TS12	Ends At	TS12
Primary Parents	EMAPA:16109[amnion]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), amnion(EMAPA:16109), amnion mesenchyme(EMAPA:16265)]		

Modified Component 66			
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16265 has name [mesenchyme]		

Modified Component 67			
ID	EMAPA:16278	Is Group Term	false
Name	2nd branchial arch endoderm		
Starts At	TS13	Ends At	TS19
Primary Parents	EMAPA:16272[2nd branchial arch]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch endoderm(EMAPA:16278)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch endoderm(EMAPA:16278)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16278 has name [endoderm]		

Modified Component 68			
ID	EMAPA:16279	Is Group Term	false
Name	2nd branchial arch mesenchyme		
Starts At	TS13	Ends At	TS19
Primary Parents	EMAPA:16272[2nd branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch mesenchyme(EMAPA:16279)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch mesenchyme(EMAPA:16279)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16279 has name [mesenchyme]		

Modified Component 69			
ID	EMAPA:16276	Is Group Term	false
Name	2nd branchial pouch endoderm		
Starts At	TS13	Ends At	TS19
Primary Parents	EMAPA:16275[2nd branchial pouch]		
Group Parents			

Modified Component 69			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial pouch(EMAPA:16275), 2nd branchial pouch endoderm(EMAPA:16276)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial pouch(EMAPA:16275), 2nd branchial pouch endoderm(EMAPA:16276)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16276 has name [endoderm]		

Modified Component 70			
ID	EMAPA:16277	Is Group Term	false
Name	2nd branchial arch ectoderm		
Starts At	TS13	Ends At	TS19
Primary Parents	EMAPA:16272[2nd branchial arch]		
Group Parents			
Synonyms	[epithelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch ectoderm(EMAPA:16277)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch ectoderm(EMAPA:16277)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16277 has name [ectoderm]		

Modified Component 71			
ID	EMAPA:16274	Is Group Term	false
Name	2nd branchial membrane endoderm		
Starts At	TS13	Ends At	TS19
Primary Parents	EMAPA:16273[2nd branchial membrane]		
Group Parents			
Synonyms	[endothelium]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial membrane(EMAPA:16273), 2nd branchial membrane endoderm(EMAPA:16274)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial membrane(EMAPA:16273), 2nd branchial membrane endoderm(EMAPA:16274)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16274 has name [endoderm]		

Modified Component 72			
<i>ID</i>	EMAPA:16275	<i>Is Group Term</i>	false
<i>Name</i>	2nd branchial pouch		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS19
<i>Primary Parents</i>	EMAPA:16272[2nd branchial arch]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial pouch(EMAPA:16275)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial pouch(EMAPA:16275)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16275 has name [branchial pouch]		

Modified Component 73			
<i>ID</i>	EMAPA:16272	<i>Is Group Term</i>	false
<i>Name</i>	2nd branchial arch		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS19
<i>Primary Parents</i>	EMAPA:16117[branchial arch]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16272 has name [2nd arch]		

Modified Component 74			
<i>ID</i>	EMAPA:16273	<i>Is Group Term</i>	false
<i>Name</i>	2nd branchial membrane		
<i>Starts At</i>	TS13	<i>Ends At</i>	TS19
<i>Primary Parents</i>	EMAPA:16272[2nd branchial arch]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial membrane(EMAPA:16273)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial membrane(EMAPA:16273)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		

Modified Component 74	
	2. Different Name - Referenced Component EMAPA:16273 has name [branchial membrane]

Modified Component 75			
ID	EMAPA:16280	Is Group Term	false
Name	2nd branchial arch mesenchyme derived from head mesoderm		
Starts At	TS13	Ends At	TS19
Primary Parents	EMAPA:16279[2nd branchial arch mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch mesenchyme(EMAPA:16279), 2nd branchial arch mesenchyme derived from head mesoderm(EMAPA:16280)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch mesenchyme(EMAPA:16279), 2nd branchial arch mesenchyme derived from head mesoderm(EMAPA:16280)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16280 has name [mesenchyme derived from head mesoderm]		

Modified Component 76			
ID	EMAPA:16281	Is Group Term	false
Name	2nd branchial arch mesenchyme derived from neural crest		
Starts At	TS13	Ends At	TS19
Primary Parents	EMAPA:16279[2nd branchial arch mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch mesenchyme(EMAPA:16279), 2nd branchial arch mesenchyme derived from neural crest(EMAPA:16281)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch mesenchyme(EMAPA:16279), 2nd branchial arch mesenchyme derived from neural crest(EMAPA:16281)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16281 has name [mesenchyme derived from neural crest]		

Modified Component 77			
ID	EMAPA:16762	Is Group Term	false
Name	4th branchial groove ectoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16761[4th branchial groove]		

Modified Component 77			
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial groove(EMAPA:16761), 4th branchial groove ectoderm(EMAPA:16762)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial groove(EMAPA:16761), 4th branchial groove ectoderm(EMAPA:16762)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16762 has name [ectoderm]		

Modified Component 78			
<i>ID</i>	EMAPA:16763	<i>Is Group Term</i>	false
<i>Name</i>	4th branchial membrane		
<i>Starts At</i>	TS16	<i>Ends At</i>	TS19
<i>Primary Parents</i>	EMAPA:16760[4th branchial arch]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial membrane(EMAPA:16763)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial membrane(EMAPA:16763)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16763 has name [branchial membrane]		

Modified Component 79			
<i>ID</i>	EMAPA:16760	<i>Is Group Term</i>	false
<i>Name</i>	4th branchial arch		
<i>Starts At</i>	TS16	<i>Ends At</i>	TS19
<i>Primary Parents</i>	EMAPA:16117[branchial arch]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16760 has name [4th arch]		

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Modified Component 80			
ID	EMAPA:16761	Is Group Term	false
Name	4th branchial groove		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16760[4th branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial groove(EMAPA:16761)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial groove(EMAPA:16761)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16761 has name [branchial groove]		

Modified Component 81			
ID	EMAPA:16759	Is Group Term	false
Name	3rd branchial pouch ventral endoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16587[3rd branchial pouch endoderm]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586), 3rd branchial pouch endoderm(EMAPA:16587), 3rd branchial pouch ventral endoderm(EMAPA:16759)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586), 3rd branchial pouch endoderm(EMAPA:16587), 3rd branchial pouch ventral endoderm(EMAPA:16759)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16759 has name [ventral]		

Modified Component 82			
ID	EMAPA:16758	Is Group Term	false
Name	3rd branchial pouch dorsal endoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16587[3rd branchial pouch endoderm]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586), 3rd branchial pouch endoderm(EMAPA:16587), 3rd branchial pouch dorsal endoderm(EMAPA:16758)]		

Modified Component 82			
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586), 3rd branchial pouch endoderm(EMAPA:16587), 3rd branchial pouch dorsal endoderm(EMAPA:16758)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16758 has name [dorsal]		

Modified Component 83			
ID	EMAPA:16771	Is Group Term	false
Name	4th branchial arch mesenchyme derived from head mesoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16770[4th branchial arch mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch mesenchyme(EMAPA:16770), 4th branchial arch mesenchyme derived from head mesoderm(EMAPA:16771)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch mesenchyme(EMAPA:16770), 4th branchial arch mesenchyme derived from head mesoderm(EMAPA:16771)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16771 has name [mesenchyme derived from head mesoderm]		

Modified Component 84			
ID	EMAPA:16772	Is Group Term	false
Name	4th branchial arch mesenchyme derived from neural crest		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16770[4th branchial arch mesenchyme]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch mesenchyme(EMAPA:16770), 4th branchial arch mesenchyme derived from neural crest(EMAPA:16772)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch mesenchyme(EMAPA:16770), 4th branchial arch mesenchyme derived from neural crest(EMAPA:16772)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16772 has name [mesenchyme derived from neural crest]		

Modified Component 85			
ID	EMAPA:16770	Is Group Term	false
Name	4th branchial arch mesenchyme		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16760[4th branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch mesenchyme(EMAPA:16770)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch mesenchyme(EMAPA:16770)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16770 has name [mesenchyme]		

Modified Component 86			
ID	EMAPA:16769	Is Group Term	false
Name	4th branchial arch endoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16760[4th branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch endoderm(EMAPA:16769)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch endoderm(EMAPA:16769)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16769 has name [endoderm]		

Modified Component 87			
ID	EMAPA:16768	Is Group Term	false
Name	4th branchial arch ectoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16760[4th branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch ectoderm(EMAPA:16768)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial arch ectoderm(EMAPA:16768)]		

Modified Component 87			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16768 has name [ectoderm]		

Modified Component 88			
ID	EMAPA:16765	Is Group Term	false
Name	4th branchial membrane endoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16763[4th branchial membrane]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial membrane(EMAPA:16763), 4th branchial membrane endoderm(EMAPA:16765)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial membrane(EMAPA:16763), 4th branchial membrane endoderm(EMAPA:16765)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16765 has name [endoderm]		

Modified Component 89			
ID	EMAPA:16764	Is Group Term	false
Name	4th branchial membrane ectoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16763[4th branchial membrane]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial membrane(EMAPA:16763), 4th branchial membrane ectoderm(EMAPA:16764)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial membrane(EMAPA:16763), 4th branchial membrane ectoderm(EMAPA:16764)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16764 has name [ectoderm]		

Modified Component 90			
ID	EMAPA:16767	Is Group Term	false
Name	4th branchial pouch endoderm		
Starts At	TS16	Ends At	TS19
Primary Parents	EMAPA:16766[4th branchial pouch]		

Modified Component 90			
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial pouch(EMAPA:16766), 4th branchial pouch endoderm(EMAPA:16767)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial pouch(EMAPA:16766), 4th branchial pouch endoderm(EMAPA:16767)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16767 has name [endoderm]		

Modified Component 91			
<i>ID</i>	EMAPA:16766	<i>Is Group Term</i>	false
<i>Name</i>	4th branchial pouch		
<i>Starts At</i>	TS16	<i>Ends At</i>	TS19
<i>Primary Parents</i>	EMAPA:16760[4th branchial arch]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial pouch(EMAPA:16766)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 4th branchial arch(EMAPA:16760), 4th branchial pouch(EMAPA:16766)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16766 has name [branchial pouch]		

Modified Component 92			
<i>ID</i>	EMAPA:26151	<i>Is Group Term</i>	false
<i>Name</i>	vitelline vein itelline duct part		
<i>Starts At</i>	TS15	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:26139[vitelline duct]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), umbilical cord(EMAPA:26115), vitelline duct(EMAPA:26139), vitelline vein itelline duct part(EMAPA:26151)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:26151 has name [vitelline vein]		
	3. Different Start Stage - Referenced Component EMAPA:26151 has Start Stage [TS16]		

Modified Component 93			
ID	EMAPA:26139	Is Group Term	false
Name	vitelline duct		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:26115[umbilical cord]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), umbilical cord(EMAPA:26115), vitelline duct(EMAPA:26139)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Start Stage - Referenced Component EMAPA:26139 has Start Stage [TS16]		

Modified Component 94			
ID	EMAPA:26127	Is Group Term	false
Name	umbilical cord mesenchyme		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:26115[umbilical cord]		
Group Parents			
Synonyms	[Wharton's jelly]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), umbilical cord(EMAPA:26115), umbilical cord mesenchyme(EMAPA:26127)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:26127 has name [mesenchyme]		
	3. Different Start Stage - Referenced Component EMAPA:26127 has Start Stage [TS16]		

Modified Component 95			
ID	EMAPA:26115	Is Group Term	false
Name	umbilical cord		
Starts At	TS13	Ends At	TS26
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), umbilical cord(EMAPA:26115)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Start Stage - Referenced Component EMAPA:26115 has Start Stage [TS16]		

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Modified Component 96			
<i>ID</i>	EMAPA:16081	<i>Is Group Term</i>	false
<i>Name</i>	exocoelomic cavity		
<i>Starts At</i>	TS10	<i>Ends At</i>	TS18
<i>Primary Parents</i>	EMAPA:16054[extraembryonic component cavities]		
<i>Group Parents</i>			
<i>Synonyms</i>	[extra-embryonic coelomic cavity]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic component cavities(EMAPA:16054), exocoelomic cavity(EMAPA:16081)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different End Stage - Referenced Component EMAPA:16081 has End Stage [TS12]		

Modified Component 97			
<i>ID</i>	EMAPA:16086	<i>Is Group Term</i>	false
<i>Name</i>	yolk sac endoderm		
<i>Starts At</i>	TS10	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:16085[yolk sac]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), yolk sac(EMAPA:16085), yolk sac endoderm(EMAPA:16086)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16086 has name [endoderm]		

Modified Component 98			
<i>ID</i>	EMAPA:16087	<i>Is Group Term</i>	false
<i>Name</i>	yolk sac mesoderm		
<i>Starts At</i>	TS10	<i>Ends At</i>	TS11
<i>Primary Parents</i>	EMAPA:16085[yolk sac]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), yolk sac(EMAPA:16085), yolk sac mesoderm(EMAPA:16087)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16087 has name [mesoderm]		

Modified Component 99			
<i>ID</i>	EMAPA:16078	<i>Is Group Term</i>	false

Modified Component 99			
Name	amniotic fold mesoderm		
Starts At	TS10	Ends At	TS10
Primary Parents	EMAPA:16076[amniotic fold]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), amniotic fold(EMAPA:16076), amniotic fold mesoderm(EMAPA:16078)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16078 has name [mesoderm]		

Modified Component 100			
ID	EMAPA:16079	Is Group Term	false
Name	amniotic cavity		
Starts At	TS10	Ends At	TS26
Primary Parents	EMAPA:16054[extraembryonic component cavities]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic component cavities(EMAPA:16054), amniotic cavity(EMAPA:16079)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16079 has End Stage [TS12]		

Modified Component 101			
ID	EMAPA:16077	Is Group Term	false
Name	amniotic fold ectoderm		
Starts At	TS10	Ends At	TS10
Primary Parents	EMAPA:16076[amniotic fold]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), amniotic fold(EMAPA:16076), amniotic fold ectoderm(EMAPA:16077)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16077 has name [ectoderm]		

Modified Component 102			
ID	EMAPA:16883	Is Group Term	false

Modified Component 102			
Name	3rd branchial groove epithelium		
Starts At	TS17	Ends At	TS17
Primary Parents	EMAPA:16581[3rd branchial groove]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial groove(EMAPA:16581), 3rd branchial groove epithelium(EMAPA:16883)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial groove(EMAPA:16581), 3rd branchial groove epithelium(EMAPA:16883)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16883 has name [epithelium]		

Modified Component 103			
ID	EMAPA:16882	Is Group Term	false
Name	2nd branchial arch epithelium		
Starts At	TS17	Ends At	TS17
Primary Parents	EMAPA:16272[2nd branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch epithelium(EMAPA:16882)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 2nd branchial arch(EMAPA:16272), 2nd branchial arch epithelium(EMAPA:16882)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16882 has name [epithelium]		

Modified Component 104			
ID	EMAPA:16046	Is Group Term	false
Name	trophectoderm		
Starts At	TS04	Ends At	TS26
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), trophoctoderm(EMAPA:16046)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16046 has End Stage [TS12]		

Modified Component 105			
<i>ID</i>	EMAPA:16048	<i>Is Group Term</i>	false
<i>Name</i>	polar trophectoderm		
<i>Starts At</i>	TS04	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:16046[trophectoderm]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), trophectoderm(EMAPA:16046), polar trophectoderm(EMAPA:16048)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different End Stage - Referenced Component EMAPA:16048 has End Stage [TS12]		

Modified Component 106			
<i>ID</i>	EMAPA:16034	<i>Is Group Term</i>	false
<i>Name</i>	second polar body		
<i>Starts At</i>	TS01	<i>Ends At</i>	TS03
<i>Primary Parents</i>	EMAPA:25765[mouse] TH_ADD:00001[polar body GROUP]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), second polar body(EMAPA:16034)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), polar body GROUP(TH_ADD:00001), second polar body(EMAPA:16034)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Parents - Referenced Component EMAPA:16034 has parents [EMAPA:25765]		

Modified Component 107			
<i>ID</i>	EMAPA:16032	<i>Is Group Term</i>	false
<i>Name</i>	first polar body		
<i>Starts At</i>	TS01	<i>Ends At</i>	TS01
<i>Primary Parents</i>	TH_ADD:00001[polar body GROUP] EMAPA:25765[mouse]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), first polar body(EMAPA:16032)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), polar body GROUP(TH_ADD:00001), first polar body(EMAPA:16032)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Parents - Referenced Component EMAPA:16032 has parents [EMAPA:25765]		

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Modified Component 108			
ID	EMAPA:16064	Is Group Term	false
Name	proamniotic cavity extraembryonic part		
Starts At	TS08	Ends At	TS10
Primary Parents	EMAPA:16054[extraembryonic component cavities]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic component cavities(EMAPA:16054), proamniotic cavity extraembryonic part(EMAPA:16064)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16064 has name [extraembryonic component of the proamniotic cavity]		

Modified Component 109			
ID	EMAPA:16065	Is Group Term	false
Name	extraembryonic ectoderm		
Starts At	TS08	Ends At	TS13
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic ectoderm(EMAPA:16065)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16065 has End Stage [TS10]		
	3. Different Name - Referenced Component EMAPA:16065 has name [ectoderm]		

Modified Component 110			
ID	EMAPA:16068	Is Group Term	false
Name	syncytiotrophoblast		
Starts At	TS08	Ends At	TS18
Primary Parents	EMAPA:16059[ectoplacental cone]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), trophoctoderm(EMAPA:16046), polar trophoctoderm(EMAPA:16048), ectoplacental cone(EMAPA:16059), syncytiotrophoblast(EMAPA:16068)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component		

Modified Component 110			
		EMAPA:16068 has End Stage [TS12]	

Modified Component 111			
<i>ID</i>	EMAPA:16067	<i>Is Group Term</i>	false
<i>Name</i>	cytotrophoblast		
<i>Starts At</i>	TS08	<i>Ends At</i>	TS18
<i>Primary Parents</i>	EMAPA:16059[ectoplacental cone]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), trophoctoderm(EMAPA:16046), polar trophoctoderm(EMAPA:16048), ectoplacental cone(EMAPA:16059), cytotrophoblast(EMAPA:16067)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different End Stage - Referenced Component EMAPA:16067 has End Stage [TS12]		

Modified Component 112			
<i>ID</i>	EMAPA:16055	<i>Is Group Term</i>	false
<i>Name</i>	yolk sac cavity		
<i>Starts At</i>	TS07	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:16054[extraembryonic component cavities]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic component cavities(EMAPA:16054), yolk sac cavity(EMAPA:16055)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different End Stage - Referenced Component EMAPA:16055 has End Stage [TS12]		

Modified Component 113			
<i>ID</i>	EMAPA:16054	<i>Is Group Term</i>	false
<i>Name</i>	extraembryonic component cavities		
<i>Starts At</i>	TS07	<i>Ends At</i>	TS26
<i>Primary Parents</i>	EMAPA:16042[extraembryonic component]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic component cavities(EMAPA:16054)]		
<i>Alternate Paths</i>			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different End Stage - Referenced Component		

Modified Component 113	
	EMAPA:16054 has End Stage [TS12]
	3. Different Name - Referenced Component EMAPA:16054 has name [cavities]

Modified Component 114			
ID	EMAPA:16053	Is Group Term	false
Name	parietal endoderm		
Starts At	TS06	Ends At	TS26
Primary Parents	EMAPA:16052[extraembryonic endoderm]		
Group Parents			
Synonyms	[distal endoderm]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic endoderm(EMAPA:16052), parietal endoderm(EMAPA:16053)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16053 has End Stage [TS12]		

Modified Component 115			
ID	EMAPA:16052	Is Group Term	false
Name	extraembryonic endoderm		
Starts At	TS06	Ends At	TS26
Primary Parents	EMAPA:16042[extraembryonic component]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic endoderm(EMAPA:16052)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16052 has End Stage [TS12]		
	3. Different Name - Referenced Component EMAPA:16052 has name [endoderm]		

Modified Component 116			
ID	EMAPA:16059	Is Group Term	false
Name	ectoplacental cone		
Starts At	TS07	Ends At	TS18
Primary Parents	EMAPA:16048[polar trophectoderm]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), trophectoderm(EMAPA:16046), polar trophectoderm(EMAPA:16048), ectoplacental cone(EMAPA:16059)]		
Alternate Paths			

Modified Component 116			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16059 has End Stage [TS12]		

Modified Component 117			
ID	EMAPA:16057	Is Group Term	false
Name	Reichert's membrane		
Starts At	TS07	Ends At	TS26
Primary Parents	EMAPA:16053[parietal endoderm]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), extraembryonic component(EMAPA:16042), extraembryonic endoderm(EMAPA:16052), parietal endoderm(EMAPA:16053), Reichert's membrane(EMAPA:16057)]		
Alternate Paths			
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different End Stage - Referenced Component EMAPA:16057 has End Stage [TS12]		

Modified Component 118			
ID	EMAPA:17241	Is Group Term	false
Name	1st branchial groove epithelium		
Starts At	TS19	Ends At	TS19
Primary Parents	EMAPA:16119[1st branchial groove]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial groove(EMAPA:16119), 1st branchial groove epithelium(EMAPA:17241)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 1st branchial arch(EMAPA:16118), 1st branchial groove(EMAPA:16119), 1st branchial groove epithelium(EMAPA:17241)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:17241 has name [epithelium]		

Modified Component 119			
ID	EMAPA:16544	Is Group Term	false
Name	left umbilical artery		
Starts At	TS14	Ends At	TS26
Primary Parents	EMAPA:16331[umbilical artery embryonic part]		
Group Parents			
Synonyms	[]		

Modified Component 119			
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), arterial system(EMAPA:16201), umbilical artery embryonic part(EMAPA:16331), left umbilical artery(EMAPA:16544)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), arterial system(EMAPA:16201), umbilical artery embryonic part(EMAPA:16331), left umbilical artery(EMAPA:16544)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16544 has name [left]		

Modified Component 120			
ID	EMAPA:16545	Is Group Term	false
Name	right umbilical artery		
Starts At	TS14	Ends At	TS26
Primary Parents	EMAPA:16331[umbilical artery embryonic part]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), arterial system(EMAPA:16201), umbilical artery embryonic part(EMAPA:16331), right umbilical artery(EMAPA:16545)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), arterial system(EMAPA:16201), umbilical artery embryonic part(EMAPA:16331), right umbilical artery(EMAPA:16545)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16545 has name [right]		

Modified Component 121			
ID	EMAPA:16581	Is Group Term	false
Name	3rd branchial groove		
Starts At	TS15	Ends At	TS19
Primary Parents	EMAPA:16399[3rd branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial groove(EMAPA:16581)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial groove(EMAPA:16581)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16581 has name [branchial groove]		

Modified Component 122			
ID	EMAPA:16583	Is Group Term	false
Name	3rd branchial membrane		
Starts At	TS15	Ends At	TS19
Primary Parents	EMAPA:16399[3rd branchial arch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial membrane(EMAPA:16583)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial membrane(EMAPA:16583)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16583 has name [branchial membrane]		

Modified Component 123			
ID	EMAPA:16582	Is Group Term	false
Name	3rd branchial groove ectoderm		
Starts At	TS15	Ends At	TS19
Primary Parents	EMAPA:16581[3rd branchial groove]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial groove(EMAPA:16581), 3rd branchial groove ectoderm(EMAPA:16582)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial groove(EMAPA:16581), 3rd branchial groove ectoderm(EMAPA:16582)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16582 has name [ectoderm]		

Modified Component 124			
ID	EMAPA:16585	Is Group Term	false
Name	3rd branchial membrane endoderm		
Starts At	TS15	Ends At	TS19
Primary Parents	EMAPA:16583[3rd branchial membrane]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial membrane(EMAPA:16583), 3rd branchial membrane endoderm(EMAPA:16585)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117),		

Modified Component 124			
	3rd branchial arch(EMAPA:16399), 3rd branchial membrane(EMAPA:16583), 3rd branchial membrane endoderm(EMAPA:16585)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16585 has name [endoderm]		

Modified Component 125			
ID	EMAPA:16584	Is Group Term	false
Name	3rd branchial membrane ectoderm		
Starts At	TS15	Ends At	TS19
Primary Parents	EMAPA:16583[3rd branchial membrane]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial membrane(EMAPA:16583), 3rd branchial membrane ectoderm(EMAPA:16584)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial membrane(EMAPA:16583), 3rd branchial membrane ectoderm(EMAPA:16584)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16584 has name [ectoderm]		

Modified Component 126			
ID	EMAPA:16587	Is Group Term	false
Name	3rd branchial pouch endoderm		
Starts At	TS15	Ends At	TS19
Primary Parents	EMAPA:16586[3rd branchial pouch]		
Group Parents			
Synonyms	[]		
Primary Path	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586), 3rd branchial pouch endoderm(EMAPA:16587)]		
Alternate Paths	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586), 3rd branchial pouch endoderm(EMAPA:16587)]		
Rule Status	PASSED	Edit Status	CHANGED
Comments	1.		
	2. Different Name - Referenced Component EMAPA:16587 has name [endoderm]		

Modified Component 127			
ID	EMAPA:16586	Is Group Term	false
Name	3rd branchial pouch		

Modified Component 127			
<i>Starts At</i>	TS15	<i>Ends At</i>	TS19
<i>Primary Parents</i>	EMAPA:16399[3rd branchial arch]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), branchial arch(EMAPA:16117), 3rd branchial arch(EMAPA:16399), 3rd branchial pouch(EMAPA:16586)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16586 has name [branchial pouch]		

Modified Component 128			
<i>ID</i>	EMAPA:16698	<i>Is Group Term</i>	false
<i>Name</i>	left vitelline vein embryonic part		
<i>Starts At</i>	TS15	<i>Ends At</i>	TS18
<i>Primary Parents</i>	EMAPA:16244[vitelline vein embryonic part]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), vitelline vein embryonic part(EMAPA:16244), left vitelline vein embryonic part(EMAPA:16698)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), vitelline vein embryonic part(EMAPA:16244), left vitelline vein embryonic part(EMAPA:16698)]		
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16698 has name [left]		

Modified Component 129			
<i>ID</i>	EMAPA:16699	<i>Is Group Term</i>	false
<i>Name</i>	right vitelline vein embryonic part		
<i>Starts At</i>	TS15	<i>Ends At</i>	TS18
<i>Primary Parents</i>	EMAPA:16244[vitelline vein embryonic part]		
<i>Group Parents</i>			
<i>Synonyms</i>	[]		
<i>Primary Path</i>	[Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), vitelline vein embryonic part(EMAPA:16244), right vitelline vein embryonic part(EMAPA:16699)]		
<i>Alternate Paths</i>	1. [Abstract anatomy(EMAPA:0), mouse(EMAPA:25765), embryo(EMAPA:16039), organ system(EMAPA:16103), cardiovascular system(EMAPA:16104), venous system(EMAPA:16240), vitelline vein embryonic part(EMAPA:16244), right vitelline vein embryonic part(EMAPA:16699)]		

Modified Component 129			
<i>Rule Status</i>	PASSED	<i>Edit Status</i>	CHANGED
<i>Comments</i>	1.		
	2. Different Name - Referenced Component EMAPA:16699 has name [right]		

DELETED COMPONENTS

Total Deleted Components: 0

APPENDIX

CRITICAL terms = Terms that require revision.

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.