

LMMA_00210 lower respiratory tract – E16.5 (canalicular stage of mouse lung development)

| LMMA_00361 | trachea |
|-------------------|--|
| LMMA_00362 | ├ trachea bifurcation |
| LMMA_00365 | ├ trachea lumen |
| LMMA_00366 | ├ trachea wallp4 |
| LMMA_00415 | ├ tracheal mucosa |
| LMMA_00414 | ├ tracheal epithelium |
| LMMA_00089 | ├ basement membrane |
| LMMA_00590 | ├ tracheal epithelial cell |
| LMMA_00087 | ├ basal cell |
| LMMA_00476 | ├ ciliated cell precursor |
| LMMA_00142 | ├ ciliated cell |
| LMMA_00184 | ├ immature club cell (syn: immature Clara cell) |
| LMMA_00526 | ├ intermediate airway progenitor cell |
| LMMA_00238 | ├ mucus cell (syn: mucous cell) |
| LMMA_00252 | ├ neuroendocrine cell |
| LMMA_00340 | ├ serous cell |
| LMMA_00384 | ├ unclassified epithelial cell |
| LMMA_00483 | └ tracheal lamina propria |
| LMMA_00136 | ├ connective tissue cell |
| LMMA_00685 | ├ reticular cell |
| LMMA_00356 | ├ telocyte |
| LMMA_00386 | ├ unclassified fibroblast |
| LMMA_00168 | └ extracellular matrix |
| LMMA_00145 | ├ collagen fiber |
| LMMA_00158 | ├ elastic fiber |
| LMMA_00180 | ├ ground substance |
| LMMA_00529 | ├ glycosaminoglycan |
| LMMA_00178 | ├ glycoprotein |
| LMMA_00283 | ├ proteoglycan |
| LMMA_00320 | ├ reticular fiber |
| LMMA_00416 | └ tracheal submucosa |
| LMMA_00606 | └ tracheal cartilaginous ring |
| LMMA_00592 | ├ annular ligament |
| LMMA_00183 | └ hyaline cartilage |
| LMMA_00141 | ├ chondrocyte |
| LMMA_00168 | └ extracellular matrix |
| LMMA_00145 | ├ collagen fiber |
| LMMA_00158 | ├ elastic fiber |
| LMMA_00180 | ├ ground substance |
| LMMA_00529 | ├ glycosaminoglycan |
| LMMA_00178 | ├ glycoprotein |
| LMMA_00283 | ├ proteoglycan |
| LMMA_00320 | ├ reticular fiber |
| LMMA_00370 | └ trachealis muscle (syn: membranous trachea) |
| LMMA_00343 | ├ smooth muscle cell |
| LMMA_00410 | └ fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) |
| LMMA_00412 | ├ perichondrium |

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|------------|--|--|--|--|--|--|---|--|
| LMMA_00526 | | | | | | | ├ | intermediate airway progenitor cell |
| LMMA_00238 | | | | | | | ├ | mucus cell (syn: mucous cell) |
| LMMA_00252 | | | | | | | ├ | neuroendocrine cell |
| LMMA_00340 | | | | | | | ├ | serous cell |
| LMMA_00384 | | | | | | | ├ | unclassified epithelial cell |
| LMMA_00481 | | | | | | | ├ | bronchial lamina propria |
| LMMA_00136 | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | ├ | reticular fiber |
| LMMA_00482 | | | | | | | ├ | bronchial smooth muscle (syn: peribronchial smooth muscle) |
| LMMA_00343 | | | | | | | ├ | smooth muscle cell |
| LMMA_00419 | | | | | | | ├ | bronchial submucosa |
| LMMA_00133 | | | | | | | ├ | bronchial cartilaginous ring (syn: cartilage) |
| LMMA_00482 | | | | | | | ├ | bronchial smooth muscle (syn: peribronchial smooth muscle) |
| LMMA_00343 | | | | | | | ├ | smooth muscle cell |
| LMMA_00183 | | | | | | | ├ | hyaline cartilage |
| LMMA_00141 | | | | | | | ├ | chondrocyte |
| LMMA_00168 | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | ├ | reticular fiber |
| LMMA_00410 | | | | | | | ├ | fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) |
| LMMA_00412 | | | | | | | ├ | perichondrium |
| LMMA_00592 | | | | | | | ├ | annular ligament |
| LMMA_00136 | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | ├ | reticular fiber |
| LMMA_00094 | | | | | | | ├ | bronchial adventitia |
| LMMA_00055 | | | | | | | ├ | adipose tissue |

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|------------|--|--|--|--|--|---------------------------|
| LMMA_00054 | | | | | | └ adipocyte |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |

LMMA_00211 lung

LMMA_00199 └ left lung

LMMA_00326 └ right lung

| | | |
|------------|--|---|
| LMMA_00332 | | └ right lung upper lobe (syn: right cranial lobe; right apical lobe) |
| LMMA_00330 | | └ right lung middle lobe (syn: right cardiac lobe) |
| LMMA_00324 | | └ right lung lower lobe (syn: right caudal lobe; right diaphragmatic lobe) |
| LMMA_00322 | | └ right lung accessory lobe (syn: right post-caval lobe; right infra-cardiac lobe; right intermediate lobe) |

Note: The classification scheme for the left lung and right lung middle, lower, and accessory lobes is the same as for the right lung upper lobe below:

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|-------------------|--|-------------------------|-------------------------------|--|---|---|--|
| LMMA_00332 | | └ right lung upper lobe | | | | | |
| LMMA_00605 | | | └ right lung upper lobe hilum | | | | |
| LMMA_00039 | | | └ right upper lobe bronchiole | | | | |
| LMMA_00140 | | | | └ central bronchiole (syn: proximal bronchiole; primary bronchiole) | | | |
| LMMA_00138 | | | | └ central bronchiolar lumen | | | |
| LMMA_00139 | | | | └ central bronchiolar wall | | | |
| LMMA_00286 | | | | | └ central bronchiolar epithelium (syn: proximal bronchiolar epithelium) | | |
| LMMA_00089 | | | | | | └ basement membrane | |
| LMMA_00582 | | | | | | └ bronchiolar epithelial cell | |
| LMMA_00476 | | | | | | └ ciliated cell precursor | |
| LMMA_00142 | | | | | | └ ciliated cell | |
| LMMA_00184 | | | | | | └ immature club cell (syn: immature Clara cell) | |
| LMMA_00252 | | | | | | └ neuroendocrine cell | |
| LMMA_00253 | | | | | | └ neuroepithelial body | |
| LMMA_00252 | | | | | | | └ neuroendocrine cell |
| LMMA_00599 | | | | | | | └ proliferative epithelial cell (syn: proliferating epithelial cell) |
| LMMA_00384 | | | | | | | └ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | | └ bronchiolar connective tissue (syn: peribronchiolar connective tissue) |
| LMMA_00136 | | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | | └ telocyte |
| LMMA_00386 | | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | | └ ground substance |

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|-------------------|--|--|--|--|--|--|--|--|--|
| LMMA_00529 | | | | | | | | | ┆ glycosaminoglycan |
| LMMA_00178 | | | | | | | | | ┆ glycoprotein |
| LMMA_00283 | | | | | | | | | ┆ proteoglycan |
| LMMA_00320 | | | | | | | | | ┆ reticular fiber |
| LMMA_00240 | | | | | | | | | ┆ bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00655 | | | | | | | | | ┆ proliferative proliferative smooth muscle cell |
| LMMA_00198 | | | | | | | | | ┆ lateral bronchiole (syn: distal bronchiole; secondary bronchiole) |
| LMMA_00196 | | | | | | | | | ┆ lateral bronchiolar lumen |
| LMMA_00197 | | | | | | | | | ┆ lateral bronchiolar wall |
| LMMA_00433 | | | | | | | | | ┆ lateral bronchiolar epithelium (syn: distal bronchiolar epithelium) |
| LMMA_00089 | | | | | | | | | ┆ basement membrane |
| LMMA_00582 | | | | | | | | | ┆ bronchiolar epithelial cell |
| LMMA_00476 | | | | | | | | | ┆ ciliated cell precursor |
| LMMA_00142 | | | | | | | | | ┆ ciliated cell |
| LMMA_00184 | | | | | | | | | ┆ immature club cell (syn: immature Clara cell) |
| LMMA_00252 | | | | | | | | | ┆ neuroendocrine cell |
| LMMA_00253 | | | | | | | | | ┆ neuroepithelial body |
| LMMA_00252 | | | | | | | | | ┆ neuroendocrine cell |
| LMMA_00599 | | | | | | | | | ┆ proliferative epithelial cell (syn: proliferating epithelial cell) |
| LMMA_00384 | | | | | | | | | ┆ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | | | | ┆ bronchiolar connective tissue (syn: peribronchiolar connective tissue) |
| LMMA_00136 | | | | | | | | | ┆ connective tissue cell |
| LMMA_00685 | | | | | | | | | ┆ reticular cell |
| LMMA_00356 | | | | | | | | | ┆ telocyte |
| LMMA_00386 | | | | | | | | | ┆ unclassified fibroblast |
| LMMA_00168 | | | | | | | | | ┆ extracellular matrix |
| LMMA_00145 | | | | | | | | | ┆ collagen fiber |
| LMMA_00158 | | | | | | | | | ┆ elastic fiber |
| LMMA_00180 | | | | | | | | | ┆ ground substance |
| LMMA_00529 | | | | | | | | | ┆ glycosaminoglycan |
| LMMA_00178 | | | | | | | | | ┆ glycoprotein |
| LMMA_00283 | | | | | | | | | ┆ proteoglycan |
| LMMA_00320 | | | | | | | | | ┆ reticular fiber |
| LMMA_00240 | | | | | | | | | ┆ bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00343 | | | | | | | | | ┆ smooth muscle cell |
| LMMA_00359 | | | | | | | | | ┆ terminal bronchiole |
| LMMA_00357 | | | | | | | | | ┆ terminal bronchiolar lumen |
| LMMA_00358 | | | | | | | | | ┆ terminal bronchiolar wall |
| LMMA_00457 | | | | | | | | | ┆ terminal bronchiolar epithelium |
| LMMA_00089 | | | | | | | | | ┆ basement membrane |
| LMMA_00582 | | | | | | | | | ┆ bronchiolar epithelial cell |
| LMMA_00476 | | | | | | | | | ┆ ciliated cell precursor |
| LMMA_00142 | | | | | | | | | ┆ ciliated cell |
| LMMA_00184 | | | | | | | | | ┆ immature club cell (syn: immature Clara cell) |
| LMMA_00252 | | | | | | | | | ┆ neuroendocrine cell |
| LMMA_00253 | | | | | | | | | ┆ neuroepithelial body |
| LMMA_00252 | | | | | | | | | ┆ neuroendocrine cell |
| LMMA_00599 | | | | | | | | | ┆ proliferative epithelial cell (syn: proliferating epithelial cell) |
| LMMA_00384 | | | | | | | | | ┆ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | | | | ┆ bronchiolar connective tissue (syn: peribronchiolar connective tissue)) |
| LMMA_00136 | | | | | | | | | ┆ connective tissue cell |

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|-------------------|--|--|--|--|--|--|--|--|--|---|--|
| LMMA_00685 | | | | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | | | | └ | reticular fiber |
| LMMA_00240 | | | | | | | | | | └ | bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00343 | | | | | | | | | | └ | smooth muscle cell |
| LMMA_00044 | | | | | | | | | | └ | right upper lobe pre-alveolar parenchyma |
| LMMA_00001 | | | | | | | | | | └ | pre-alveolar acinar tubule (syn: acinar tubule) |
| LMMA_00009 | | | | | | | | | | └ | proximal acinar tubule |
| LMMA_00284 | | | | | | | | | | └ | proximal acinar tubule epithelium (syn: epithelium, proximal acinar tubule) |
| LMMA_00089 | | | | | | | | | | └ | basement membrane |
| LMMA_00573 | | | | | | | | | | └ | proximal acinar tubule epithelial cell (syn: proximal acinar epithelial cell) |
| LMMA_00187 | | | | | | | | | | └ | intermediate pneumocyte (syn: intermediate alveolar epithelial cell; intermediate pneumocyte) |
| LMMA_00380 | | | | | | | | | | └ | immature type I pneumocyte (syn: pre-type I pneumocyte) |
| LMMA_00382 | | | | | | | | | | └ | immature type II pneumocyte (syn: pre-type II pneumocyte) |
| LMMA_00599 | | | | | | | | | | └ | proliferative epithelial cell (syn: proliferating epithelial cell) |
| LMMA_00003 | | | | | | | | | | └ | distal acinar tubule bud (syn: peripheral acinar tubule bud; acinar bud; distal acinar bud; distal acinar tubule; peripheral acinar tubule sprout) |
| LMMA_00423 | | | | | | | | | | └ | distal acinar tubule epithelium |
| LMMA_00089 | | | | | | | | | | └ | basement membrane |
| LMMA_00572 | | | | | | | | | | └ | distal acinar tubule epithelial cell (syn: distal acinar epithelial cell) |
| LMMA_00380 | | | | | | | | | | └ | immature type I pneumocyte (syn: pre-type I pneumocyte) |
| LMMA_00382 | | | | | | | | | | └ | immature type II pneumocyte (syn: pre-type II pneumocyte) |
| LMMA_00599 | | | | | | | | | | └ | proliferative epithelial cell (syn: proliferating epithelial cell) |
| LMMA_00008 | | | | | | | | | | └ | pre-alveolar interstitial tissue (syn: pre-alveolar mesenchyme; pre-alveolar connective tissue; pre-alveolar stroma) |
| LMMA_00137 | | | | | | | | | | └ | pre-alveolar interstitial cell (syn: pre-alveolar connective tissue cell; pre-alveolar mesenchymal cell; pre-alveolar stromal cell) |
| LMMA_00007 | | | | | | | | | | └ | matrix fibroblast (syn: matrix synthesizing fibroblast) |
| LMMA_00243 | | | | | | | | | | └ | myofibroblast |
| LMMA_00273 | | | | | | | | | | └ | pericyte |
| LMMA_00607 | | | | | | | | | | └ | proliferative fibroblast |
| LMMA_00608 | | | | | | | | | | └ | proliferative myofibroblast |
| LMMA_00356 | | | | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | | | | └ | reticular fiber |

LMMA_00442 | | | | | † pre-alveolar interstitial blood vessel
 LMMA_00583 | | | | | † pre-alveolar capillary bed (syn: pre-alveolar capillary network)
 LMMA_00129 | | | | | | † pre-alveolar capillary endothelium
 LMMA_00089 | | | | | | | † basement membrane
 LMMA_00392 | | | | | | | † vascular endothelial cell
 LMMA_00617 | | | | | | | | † proliferative endothelial cell (syn: proliferating endothelial cell)

LMMA_00046 | | † right upper lobe visceral pleura

LMMA_00405 | | | † visceral connective tissue
 LMMA_00136 | | | | † connective tissue cell
 LMMA_00685 | | | | | † reticular cell
 LMMA_00356 | | | | | † telocyte
 LMMA_00386 | | | | | † unclassified fibroblast
 LMMA_00168 | | | | † extracellular matrix
 LMMA_00145 | | | | | † collagen fiber
 LMMA_00158 | | | | | † elastic fiber
 LMMA_00180 | | | | | † ground substance
 LMMA_00529 | | | | | | † glycosaminoglycan
 LMMA_00178 | | | | | | † glycoprotein
 LMMA_00283 | | | | | | † proteoglycan
 LMMA_00320 | | | | | † reticular fiber
 LMMA_00368 | | | | † unclassified fibroblast
 LMMA_00406 | | | † visceral mesothelium
 LMMA_00089 | | | | † basement membrane
 LMMA_00231 | | | | † mesothelial cell

LMMA_00520 respiratory autonomic nervous system (syn: autonomic respiratory nervous system)

LMMA_00641 † pulmonary autonomic nerve
 LMMA_00257 | † non-adrenergic and non-cholinergic nerve (syn: sensory nerve)
 LMMA_00247 | | † nerve fiber
 LMMA_00338 | | † glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00270 | † postganglionic parasympathetic nerve (syn: cholinergic innervation)
 LMMA_00247 | | † nerve fiber
 LMMA_00338 | | † glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00352 | † postganglionic sympathetic nerve (syn: adrenergic innervation)
 LMMA_00247 | | † nerve fiber
 LMMA_00338 | | † glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00642 | † preganglionic parasympathetic nerve
 LMMA_00247 | | † nerve fiber
 LMMA_00338 | | † glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00634 † pulmonary autonomic ganglion (syn: nerve cell cluster)
 LMMA_00521 | † autonomic neuron (syn: autonomic ganglion cell; autonomic ganglion neuron)
 LMMA_00338 | † glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00633 † pulmonary nerve plexus
 LMMA_00635 | † left pulmonary nerve plexus
 LMMA_00636 | | † left anterior pulmonary nerve plexus
 LMMA_00637 | | † left posterior pulmonary nerve plexus
 LMMA_00638 | † right pulmonary nerve plexus
 LMMA_00639 | | † right anterior pulmonary nerve plexus
 LMMA_00640 | | † right posterior pulmonary nerve plexus
 LMMA_00643 † general visceral nervous system

LMMA_00644 | | | ↳ general visceral afferent nerve (syn: sensory nerve)
LMMA_00247 | | | ↳ nerve fiber
LMMA_00338 | | | ↳ glial cell (syn: neuroglial cell; Schwann cell)
LMMA_00645 | | | ↳ visceral afferent sensory nerve terminal (syn: visceral afferent sensory nerve receptor)

LMMA_00522 respiratory immune system

LMMA_00185 ↳ immune cell

LMMA_00614 | | | ↳ lymphoid cell
LMMA_00241 | | | ↳ myeloid cell
LMMA_00477 | | | ↳ fetal macrophage
LMMA_00665 | | | ↳ mature myeloid cell
LMMA_00613 | | | ↳ megakaryocyte
LMMA_00664 | | | ↳ proliferative myeloid cell

LMMA_00626 ↳ lymphoid tissue

LMMA_00475 | | | ↳ bronchus associated lymphoid tissue

LMMA_00523 respiratory vascular system

LMMA_00692 ↳ blood cell

LMMA_00619 | | | ↳ erythrocyte
LMMA_00819 | | | ↳ peripheral blood lymphocyte

LMMA_00104 ↳ bronchial blood vessel

LMMA_00098 | | | ↳ bronchial artery
LMMA_00095 | | | ↳ bronchial arteriole
LMMA_00105 | | | ↳ bronchial vein
LMMA_00109 | | | ↳ bronchial venule
LMMA_00519 | | | ↳ bronchial capillary

LMMA_00293 | | | ↳ capillary tunica intima
LMMA_00378 | | | | ↳ subendothelial connective tissue cell
LMMA_00273 | | | | | ↳ pericyte
LMMA_00356 | | | | | ↳ telocyte
LMMA_00440 | | | | ↳ vascular connective tissue (syn: perivascular connective tissue)
LMMA_00136 | | | | | ↳ connective tissue cell
LMMA_00685 | | | | | ↳ reticular cell
LMMA_00356 | | | | | ↳ telocyte
LMMA_00386 | | | | | ↳ unclassified fibroblast
LMMA_00168 | | | | ↳ extracellular matrix
LMMA_00145 | | | | | ↳ collagen fiber
LMMA_00158 | | | | | ↳ elastic fiber
LMMA_00180 | | | | | ↳ ground substance
LMMA_00529 | | | | | ↳ glycosaminoglycan
LMMA_00178 | | | | | ↳ glycoprotein
LMMA_00283 | | | | | ↳ proteoglycan
LMMA_00320 | | | | | ↳ reticular fiber
LMMA_00292 | | | ↳ capillary tunica adventitia
LMMA_00440 | | | ↳ vascular connective tissue (syn: perivascular connective tissue)
LMMA_00136 | | | | ↳ connective tissue cell
LMMA_00685 | | | | | ↳ reticular cell
LMMA_00356 | | | | | ↳ telocyte
LMMA_00386 | | | | | ↳ unclassified fibroblast
LMMA_00168 | | | | ↳ extracellular matrix
LMMA_00145 | | | | | ↳ collagen fiber

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|------------|--|--|--|--|--|---|-------------------|
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |

Note: the classification schema for “bronchial blood vessel” is as follows:

- The classification scheme for the “bronchial artery” is the same as for the “pulmonary muscular artery” below
- The classification scheme for the “bronchial arteriole” is the same as for the “pulmonary distal arteriole” below
- The classification scheme for the “bronchial venule” is the same as for the “pulmonary vein” (does not include the “vasa vasorum”) below
- The classification scheme for the “bronchial artery” is the same as for the “pulmonary distal venule” below

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|------------|---|------------------------|--------------------------------|--------------------------------|---------------------------|---------------------------------------|--|-------------------------|
| LMMA_00315 | └ | pulmonary blood vessel | | | | | | |
| LMMA_00632 | | └ | intra-parenchymal blood vessel | | | | | |
| LMMA_00291 | | └ | pulmonary artery | | | | | |
| LMMA_00293 | | | └ | pulmonary artery tunica intima | | | | |
| LMMA_00081 | | | | └ | artery endothelium | | | |
| LMMA_00089 | | | | | └ | basement membrane | | |
| LMMA_00616 | | | | | └ | arterial endothelial cell | | |
| LMMA_00191 | | | | | └ | internal elastic membrane | | |
| LMMA_00378 | | | | | └ | subendothelial connective tissue cell | | |
| LMMA_00273 | | | | | | └ | pericyte | |
| LMMA_00356 | | | | | | └ | telocyte | |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) | |
| LMMA_00136 | | | | | | └ | connective tissue cell | |
| LMMA_00685 | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |
| LMMA_00294 | | | └ | pulmonary artery tunica media | | | | |
| LMMA_00167 | | | | └ | external elastic membrane | | | |
| LMMA_00393 | | | | └ | vascular smooth muscle | | | |
| LMMA_00343 | | | | | └ | smooth muscle cell | | |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) | |
| LMMA_00136 | | | | | | └ | connective tissue cell | |
| LMMA_00685 | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |

| | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|
| LMMA_00529 | | | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | | | └ reticular fiber |
| LMMA_00292 | | | | | | | | └ pulmonary artery tunica adventitia |
| LMMA_00395 | | | | | | | | └ vasa vasorum |
| LMMA_00440 | | | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | | | └ telocyte |
| LMMA_00386 | | | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | | | └ ground substance |
| LMMA_00529 | | | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | | | └ reticular fiber |
| LMMA_00290 | | | | | | | | └ pulmonary arteriole |
| LMMA_00304 | | | | | | | | └ pulmonary muscular arteriole |
| LMMA_00488 | | | | | | | | └ pulmonary muscular arteriole tunica intima |
| LMMA_00078 | | | | | | | | └ arteriole endothelium |
| LMMA_00089 | | | | | | | | └ basement membrane |
| LMMA_00392 | | | | | | | | └ vascular endothelial cell |
| LMMA_00617 | | | | | | | | └ proliferative endothelial cell |
| LMMA_00378 | | | | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | | | | └ pericyte |
| LMMA_00356 | | | | | | | | └ telocyte |
| LMMA_00440 | | | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | | | └ telocyte |
| LMMA_00386 | | | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | | | └ ground substance |
| LMMA_00529 | | | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | | | └ reticular fiber |
| LMMA_00489 | | | | | | | | └ pulmonary muscular arteriole tunica media |
| LMMA_00393 | | | | | | | | └ vascular smooth muscle |
| LMMA_00655 | | | | | | | | └ proliferative smooth muscle cell |
| LMMA_00440 | | | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | | | └ telocyte |
| LMMA_00386 | | | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | | | └ extracellular matrix |

| | | | | | | | | | |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| LMMA_00145 | | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | | └ | reticular fiber |
| LMMA_00486 | | | | | | | | └ | pulmonary muscular arteriole tunica adventitia |
| LMMA_00395 | | | | | | | | └ | vasa vasorum |
| LMMA_00440 | | | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | | └ | reticular fiber |
| LMMA_00297 | | | | | | | | └ | pulmonary distal arteriole |
| LMMA_00299 | | | | | | | | └ | pulmonary distal arteriole tunica intima |
| LMMA_00078 | | | | | | | | └ | arteriole endothelium |
| LMMA_00089 | | | | | | | | └ | basement membrane |
| LMMA_00392 | | | | | | | | └ | vascular endothelial cell |
| LMMA_00378 | | | | | | | | └ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | | | └ | pericyte |
| LMMA_00356 | | | | | | | | └ | telocyte |
| LMMA_00440 | | | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | | └ | reticular fiber |
| LMMA_00300 | | | | | | | | └ | pulmonary distal arteriole tunica media |
| LMMA_00393 | | | | | | | | └ | vascular smooth muscle |
| LMMA_00343 | | | | | | | | └ | smooth muscle cell |
| LMMA_00440 | | | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | | └ | unclassified fibroblast |

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|-------------------|--|--|--|--|--|---|--|
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00298 | | | | | | └ | pulmonary distal arteriole tunica adventitia |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00305 | | | | | | └ | pulmonary vein |
| LMMA_00307 | | | | | | └ | pulmonary vein tunica intima |
| LMMA_00378 | | | | | | └ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ | pericyte |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00397 | | | | | | └ | vein endothelium |
| LMMA_00089 | | | | | | └ | basement membrane |
| LMMA_00507 | | | | | | └ | venous endothelial cell |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00308 | | | | | | └ | pulmonary vein tunica media |
| LMMA_00393 | | | | | | └ | vascular smooth muscle |
| LMMA_00655 | | | | | | └ | proliferative smooth muscle cell |
| LMMA_00399 | | | | | | └ | venous cardiac muscle (syn: cardiac muscle) |
| LMMA_00132 | | | | | | └ | cardiomyocyte (syn: cardiac myocyte) |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |

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|-------------------|--|--|--|--|--|---|--|
| LMMA_00356 | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | ├ | reticular fiber |
| LMMA_00306 | | | | | | ├ | pulmonary vein tunica adventitia |
| LMMA_00395 | | | | | | ├ | vasa vasorum |
| LMMA_00440 | | | | | | ├ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | ├ | reticular fiber |
| LMMA_00316 | | | | | | ├ | pulmonary venule |
| LMMA_00309 | | | | | | ├ | pulmonary muscular venule |
| LMMA_00311 | | | | | | ├ | pulmonary muscular venule tunica intima |
| LMMA_00403 | | | | | | ├ | venule endothelium |
| LMMA_00089 | | | | | | ├ | basement membrane |
| LMMA_00392 | | | | | | ├ | vascular endothelial cell |
| LMMA_00617 | | | | | | ├ | proliferative endothelial cell |
| LMMA_00378 | | | | | | ├ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | ├ | pericyte |
| LMMA_00356 | | | | | | ├ | telocyte |
| LMMA_00440 | | | | | | ├ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | ├ | reticular fiber |
| LMMA_00312 | | | | | | ├ | pulmonary muscular venule tunica media |
| LMMA_00393 | | | | | | ├ | vascular smooth muscle |
| LMMA_00343 | | | | | | ├ | smooth muscle cell |

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|-------------------|--|--|--|--|--|
| LMMA_00399 | | | | | └ venous cardiac muscle (syn: cardiac muscle) |
| LMMA_00132 | | | | | └ cardiomyocyte (syn cardiac myocyte) |
| LMMA_00440 | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | └ reticular cell |
| LMMA_00356 | | | | | └ telocyte |
| LMMA_00386 | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | └ collagen fiber |
| LMMA_00158 | | | | | └ elastic fiber |
| LMMA_00180 | | | | | └ ground substance |
| LMMA_00529 | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | └ glycoprotein |
| LMMA_00283 | | | | | └ proteoglycan |
| LMMA_00320 | | | | | └ reticular fiber |
| LMMA_00310 | | | | | └ pulmonary muscular venule tunica adventitia |
| LMMA_00440 | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | └ reticular cell |
| LMMA_00356 | | | | | └ telocyte |
| LMMA_00386 | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | └ collagen fiber |
| LMMA_00158 | | | | | └ elastic fiber |
| LMMA_00180 | | | | | └ ground substance |
| LMMA_00529 | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | └ glycoprotein |
| LMMA_00283 | | | | | └ proteoglycan |
| LMMA_00320 | | | | | └ reticular fiber |
| LMMA_00301 | | | | | └ pulmonary distal venule |
| LMMA_00303 | | | | | └ pulmonary distal venule tunica intima |
| LMMA_00403 | | | | | └ venule endothelium |
| LMMA_00089 | | | | | └ basement membrane |
| LMMA_00392 | | | | | └ vascular endothelial cell |
| LMMA_00378 | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | └ pericyte |
| LMMA_00356 | | | | | └ telocyte |
| LMMA_00440 | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | └ reticular cell |
| LMMA_00356 | | | | | └ telocyte |
| LMMA_00386 | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | └ collagen fiber |
| LMMA_00158 | | | | | └ elastic fiber |
| LMMA_00180 | | | | | └ ground substance |
| LMMA_00529 | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | └ glycoprotein |
| LMMA_00283 | | | | | └ proteoglycan |
| LMMA_00320 | | | | | └ reticular fiber |
| LMMA_00302 | | | | | └ pulmonary distal venule tunica adventitia |

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|-------------------|--|--|--|--|--|---|--|
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00447 | | | | | | └ | pulmonary lymphatic vessel |
| LMMA_00221 | | | | | | └ | lymphatic vessel tunica intima |
| LMMA_00422 | | | | | | └ | lymphatic endothelium |
| LMMA_00089 | | | | | | └ | basement membrane |
| LMMA_00216 | | | | | | └ | lymphatic endothelial cell |
| LMMA_00378 | | | | | | └ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ | pericyte |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00222 | | | | | | └ | lymphatic vessel tunica media |
| LMMA_00217 | | | | | | └ | lymphatic smooth muscle |
| LMMA_00343 | | | | | | └ | smooth muscle cell |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00220 | | | | | | └ | lymphatic vessel tunica adventitia |

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|------------|--|--|--|--|--|
| LMMA_00440 | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | └ reticular cell |
| LMMA_00356 | | | | | └ telocyte |
| LMMA_00386 | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | └ collagen fiber |
| LMMA_00158 | | | | | └ elastic fiber |
| LMMA_00180 | | | | | └ ground substance |
| LMMA_00529 | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | └ glycoprotein |
| LMMA_00283 | | | | | └ proteoglycan |
| LMMA_00320 | | | | | └ reticular fiber |

LMMA_00210 lower respiratory tract – E18.5 (early sacular stage of mouse lung development)

| | |
|-------------------|--|
| LMMA_00361 | trachea |
| LMMA_00362 | └ trachea bifurcation |
| LMMA_00365 | └ trachea lumen |
| LMMA_00366 | └ trachea wall |
| LMMA_00415 | └ tracheal mucosa |
| LMMA_00414 | └ tracheal epithelium |
| LMMA_00089 | └ basement membrane |
| LMMA_00590 | └ tracheal epithelial cell |
| LMMA_00087 | └ basal cell |
| LMMA_00142 | └ ciliated cell |
| LMMA_00184 | └ immature club cell (syn: immature Clara cell) |
| LMMA_00526 | └ intermediate airway progenitor cell |
| LMMA_00238 | └ mucus cell (syn: mucous cell) |
| LMMA_00252 | └ neuroendocrine cell |
| LMMA_00340 | └ serous cell |
| LMMA_00384 | └ unclassified epithelial cell |
| LMMA_00483 | └ tracheal lamina propria |
| LMMA_00136 | └ connective tissue cell |
| LMMA_00685 | └ reticular cell |
| LMMA_00356 | └ telocyte |
| LMMA_00386 | └ unclassified fibroblast |
| LMMA_00168 | └ extracellular matrix |
| LMMA_00145 | └ collagen fiber |
| LMMA_00158 | └ elastic fiber |
| LMMA_00180 | └ ground substance |
| LMMA_00529 | └ glycosaminoglycan |
| LMMA_00178 | └ glycoprotein |
| LMMA_00283 | └ proteoglycan |
| LMMA_00320 | └ reticular fiber |
| LMMA_00416 | └ tracheal submucosa |
| LMMA_00606 | └ tracheal cartilaginous ring |
| LMMA_00592 | └ annular ligament |
| LMMA_00183 | └ hyaline cartilage |
| LMMA_00141 | └ chondrocyte |
| LMMA_00168 | └ extracellular matrix |
| LMMA_00145 | └ collagen fiber |
| LMMA_00158 | └ elastic fiber |
| LMMA_00180 | └ ground substance |
| LMMA_00529 | └ glycosaminoglycan |
| LMMA_00178 | └ glycoprotein |
| LMMA_00283 | └ proteoglycan |
| LMMA_00320 | └ reticular fiber |
| LMMA_00370 | └ trachealis muscle (syn: membranous trachea) |
| LMMA_00343 | └ smooth muscle cell |
| LMMA_00410 | └ fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) |
| LMMA_00412 | └ perichondrium |
| LMMA_00136 | └ connective tissue cell |
| LMMA_00685 | └ reticular cell |
| LMMA_00356 | └ telocyte |

LMMA_00386 | | | | † unclassified fibroblast
 LMMA_00168 | | | † extracellular matrix
 LMMA_00145 | | | | † collagen fiber
 LMMA_00158 | | | | † elastic fiber
 LMMA_00180 | | | | † ground substance
 LMMA_00529 | | | | | † glycosaminoglycan
 LMMA_00178 | | | | | † glycoprotein
 LMMA_00283 | | | | | † proteoglycan
 LMMA_00320 | | | | † reticular fiber
 LMMA_00367 | | † tracheal adventitia
 LMMA_00055 | | | † adipose tissue
 LMMA_00054 | | | | † adipocyte
 LMMA_00136 | | | † connective tissue cell
 LMMA_00685 | | | | † reticular cell
 LMMA_00356 | | | | † telocyte
 LMMA_00386 | | | | † unclassified fibroblast
 LMMA_00168 | | | † extracellular matrix
 LMMA_00145 | | | | † collagen fiber
 LMMA_00158 | | | | † elastic fiber
 LMMA_00180 | | | | † ground substance
 LMMA_00529 | | | | | † glycosaminoglycan
 LMMA_00178 | | | | | † glycoprotein
 LMMA_00283 | | | | | † proteoglycan

LMMA_00120 bronchus

LMMA_00527 † main bronchus (syn: primary bronchus; mainstem bronchus)

LMMA_00205 | | † left lung main bronchus (syn: left lung primary bronchus; left lung mainstem bronchus)

LMMA_00329 | | † right lung main bronchus (syn: right lung primary bronchus; right lung mainstem bronchus)

LMMA_00528 † lobar bronchus (syn: secondary bronchus)

LMMA_00333 | | † right lung upper lobar bronchus (syn: right cranial lobar bronchus; right apical lobar bromchus)

LMMA_00331 | | † right lung middle lobar bronchus (syn: right cardiac lobar bronchus)

LMMA_00325 | | † right lung lower lobar bronchus (syn: right caudal lobar bronchus; right diaphragmatic lobar bronchus)

LMMA_00323 | | † right lung accessory lobar bronchus (syn: right post-caval lobar bronchus; right infra-cardiac lobar bronchus; right intermediate lobar bronchus)

Note: The classification scheme for each bronchus above is the same, as follows:

LMMA_00123 | | | † bronchus lumen
 LMMA_00124 | | | † bronchus wall
 LMMA_00418 | | | | † bronchial mucosa
 LMMA_00101 | | | | | † bronchial epithelium
 LMMA_00089 | | | | | † basement membrane
 LMMA_00591 | | | | | † bronchial epithelial cell
 LMMA_00087 | | | | | | † basal cell
 LMMA_00142 | | | | | | † ciliated cell
 LMMA_00184 | | | | | | † immature club cell (syn: immature Clara cell)
 LMMA_00526 | | | | | | † intermediate airway progenitor cell
 LMMA_00238 | | | | | | † mucus cell (syn: mucous cell)
 LMMA_00252 | | | | | | † neuroendocrine cell

| | | | | | | | | |
|------------|--|--|--|--|--|--|---|---|
| LMMA_00340 | | | | | | | ├ | serous cell |
| LMMA_00384 | | | | | | | ├ | unclassified epithelial cell |
| LMMA_00481 | | | | | | | ├ | bronchial lamina propria |
| LMMA_00136 | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | ├ | reticular fiber |
| LMMA_00482 | | | | | | | ├ | bronchial smooth muscle (syn: peribronchial smooth muscle) |
| LMMA_00343 | | | | | | | ├ | smooth muscle cell |
| LMMA_00419 | | | | | | | ├ | bronchial submucosa |
| LMMA_00133 | | | | | | | ├ | bronchial cartilaginous ring (syn: cartilage ring; cartilage; cartilaginous ring) |
| LMMA_00482 | | | | | | | ├ | bronchial smooth muscle (syn: peribronchial smooth muscle) |
| LMMA_00343 | | | | | | | ├ | smooth muscle cell |
| LMMA_00183 | | | | | | | ├ | hyaline cartilage |
| LMMA_00141 | | | | | | | ├ | chondrocyte |
| LMMA_00168 | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | ├ | reticular fiber |
| LMMA_00410 | | | | | | | ├ | fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) |
| LMMA_00412 | | | | | | | ├ | perichondrium |
| LMMA_00592 | | | | | | | ├ | annular ligament |
| LMMA_00136 | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | ├ | reticular fiber |
| LMMA_00094 | | | | | | | ├ | bronchial adventitia |
| LMMA_00055 | | | | | | | ├ | adipose tissue |
| LMMA_00054 | | | | | | | ├ | adipocyte |
| LMMA_00136 | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | ├ | reticular cell |

LMMA_00356 | | | | | | | telocyte
 LMMA_00386 | | | | | | | unclassified fibroblast
 LMMA_00168 | | | | | | | extracellular matrix
 LMMA_00145 | | | | | | | collagen fiber
 LMMA_00158 | | | | | | | elastic fiber
 LMMA_00180 | | | | | | | ground substance
 LMMA_00529 | | | | | | | glycosaminoglycan
 LMMA_00178 | | | | | | | glycoprotein
 LMMA_00283 | | | | | | | proteoglycan
 LMMA_00320 | | | | | | | reticular fiber

LMMA_00211 lung

LMMA_00199 | | | | | | | left lung

LMMA_00326 | | | | | | | right lung

LMMA_00332 | | | | | | | right lung upper lobe (syn: right cranial lobe; right apical lobe)

LMMA_00330 | | | | | | | right lung middle lobe (syn: right cardiac lobe)

LMMA_00324 | | | | | | | right lung lower lobe (syn: right caudal lobe; right diaphragmatic lobe)

LMMA_00322 | | | | | | | right lung accessory lobe (syn: right post-caval lobe; right infra-cardiac lobe; right intermediate lobe)

Note: The classification scheme for the left lung and right lung middle, lower, and accessory lobes is the same as for the right lung upper lobe below:

LMMA_00332 | | | | | | | right lung upper lobe
 LMMA_00605 | | | | | | | right lung upper lobe hilum
 LMMA_00039 | | | | | | | right upper lobe bronchiole
 LMMA_00140 | | | | | | | central bronchiole (syn: proximal bronchiole; primary bronchiole)
 LMMA_00138 | | | | | | | central bronchiolar lumen
 LMMA_00139 | | | | | | | central bronchiolar wall
 LMMA_00286 | | | | | | | central bronchiolar epithelium (syn: proximal bronchiolar epithelium)
 LMMA_00089 | | | | | | | basement membrane
 LMMA_00582 | | | | | | | bronchiolar epithelial cell
 LMMA_00142 | | | | | | | ciliated cell
 LMMA_00184 | | | | | | | immature club cell (syn: immature Clara cell)
 LMMA_00252 | | | | | | | neuroendocrine cell
 LMMA_00253 | | | | | | | neuroepithelial body
 LMMA_00252 | | | | | | | neuroendocrine cell
 LMMA_00384 | | | | | | | unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell)
 LMMA_00525 | | | | | | | bronchiolar connective tissue (syn: peribronchiolar connective tissue)
 LMMA_00136 | | | | | | | connective tissue cell
 LMMA_00685 | | | | | | | reticular cell
 LMMA_00356 | | | | | | | telocyte
 LMMA_00386 | | | | | | | unclassified fibroblast
 LMMA_00168 | | | | | | | extracellular matrix
 LMMA_00145 | | | | | | | collagen fiber
 LMMA_00158 | | | | | | | elastic fiber
 LMMA_00180 | | | | | | | ground substance
 LMMA_00529 | | | | | | | glycosaminoglycan
 LMMA_00178 | | | | | | | glycoprotein
 LMMA_00283 | | | | | | | proteoglycan
 LMMA_00320 | | | | | | | reticular fiber
 LMMA_00240 | | | | | | | bronchiolar smooth muscle (syn: peribronchiolar smooth muscle)

| | | | | | | | |
|-------------------|--|--|--|--|--|--|--|
| LMMA_00343 | | | | | | | ┆ smooth muscle cell |
| LMMA_00198 | | | | | | | ┆ lateral bronchiole (syn: distal bronchiole; secondary bronchiole) |
| LMMA_00196 | | | | | | | ┆ lateral bronchiolar lumen |
| LMMA_00197 | | | | | | | ┆ lateral bronchiolar wall |
| LMMA_00433 | | | | | | | ┆ lateral bronchiolar epithelium (syn: distal bronchiolar epithelium) |
| LMMA_00089 | | | | | | | ┆ basement membrane |
| LMMA_00582 | | | | | | | ┆ bronchiolar epithelial cell |
| LMMA_00142 | | | | | | | ┆ ciliated cell |
| LMMA_00184 | | | | | | | ┆ immature club cell (syn: immature Clara cell) |
| LMMA_00252 | | | | | | | ┆ neuroendocrine cell |
| LMMA_00253 | | | | | | | ┆ neuroepithelial body |
| LMMA_00252 | | | | | | | ┆ neuroendocrine cell |
| LMMA_00384 | | | | | | | ┆ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | | ┆ bronchiolar connective tissue (syn: peribronchiolar connective tissue) |
| LMMA_00136 | | | | | | | ┆ connective tissue cell |
| LMMA_00685 | | | | | | | ┆ reticular cell |
| LMMA_00356 | | | | | | | ┆ telocyte |
| LMMA_00386 | | | | | | | ┆ unclassified fibroblast |
| LMMA_00168 | | | | | | | ┆ extracellular matrix |
| LMMA_00145 | | | | | | | ┆ collagen fiber |
| LMMA_00158 | | | | | | | ┆ elastic fiber |
| LMMA_00180 | | | | | | | ┆ ground substance |
| LMMA_00529 | | | | | | | ┆ glycosaminoglycan |
| LMMA_00178 | | | | | | | ┆ glycoprotein |
| LMMA_00283 | | | | | | | ┆ proteoglycan |
| LMMA_00320 | | | | | | | ┆ reticular fiber |
| LMMA_00240 | | | | | | | ┆ bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00343 | | | | | | | ┆ smooth muscle cell |
| LMMA_00359 | | | | | | | ┆ terminal bronchiole |
| LMMA_00357 | | | | | | | ┆ terminal bronchiolar lumen |
| LMMA_00358 | | | | | | | ┆ terminal bronchiolar wall |
| LMMA_00457 | | | | | | | ┆ terminal bronchiolar epithelium |
| LMMA_00089 | | | | | | | ┆ basement membrane |
| LMMA_00582 | | | | | | | ┆ bronchiolar epithelial cell |
| LMMA_00142 | | | | | | | ┆ ciliated cell |
| LMMA_00184 | | | | | | | ┆ immature club cell (syn: immature Clara cell) |
| LMMA_00252 | | | | | | | ┆ neuroendocrine cell |
| LMMA_00253 | | | | | | | ┆ neuroepithelial body |
| LMMA_00252 | | | | | | | ┆ neuroendocrine cell |
| LMMA_00384 | | | | | | | ┆ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | | ┆ bronchiolar connective tissue (syn: peribronchiolar connective tissue) |
| LMMA_00136 | | | | | | | ┆ connective tissue cell |
| LMMA_00685 | | | | | | | ┆ reticular cell |
| LMMA_00356 | | | | | | | ┆ telocyte |
| LMMA_00386 | | | | | | | ┆ unclassified fibroblast |
| LMMA_00168 | | | | | | | ┆ extracellular matrix |
| LMMA_00145 | | | | | | | ┆ collagen fiber |
| LMMA_00158 | | | | | | | ┆ elastic fiber |
| LMMA_00180 | | | | | | | ┆ ground substance |
| LMMA_00529 | | | | | | | ┆ glycosaminoglycan |
| LMMA_00178 | | | | | | | ┆ glycoprotein |

| | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|---|
| LMMA_00283 | | | | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | | | | └ reticular fiber |
| LMMA_00240 | | | | | | | | | └ bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00343 | | | | | | | | | └ smooth muscle cell |
| LMMA_00044 | | | | | | | | | └ right upper lobe pre-alveolar parenchyma |
| LMMA_00610 | | | | | | | | | └ pre-alveolar transitory duct (syn: smooth-walled channel; transitory duct) |
| LMMA_00611 | | | | | | | | | └ transitory duct epithelium |
| LMMA_00089 | | | | | | | | | └ basement membrane |
| LMMA_00612 | | | | | | | | | └ transitory duct epithelial cell |
| LMMA_00187 | | | | | | | | | └ intermediate pneumocyte (syn: intermediate alveolar epithelial cell; intermediate pneumocyte) |
| LMMA_00379 | | | | | | | | | └ type I pneumocyte (syn: alveolar epithelial type I cell; AT1 cell; AEC1) |
| LMMA_00381 | | | | | | | | | └ type II pneumocyte (syn: alveolar epithelial type II cell; AT2 cell; AEC2) |
| LMMA_00380 | | | | | | | | | └ immature type I pneumocyte (syn: pre-type I pneumocyte) |
| LMMA_00382 | | | | | | | | | └ immature type II pneumocyte (syn: pre-type II pneumocyte) |
| LMMA_00485 | | | | | | | | | └ pre-alveolar terminal saccule (syn: distal terminal saccule; lung saccule; pre-alveolar primary saccule; pre-alveolar primitive saccule; proximal terminal saccule; smooth-walled saccule; terminal air sac; terminal lung saccule) |
| LMMA_00424 | | | | | | | | | └ terminal saccule epithelium (syn: epithelium, distal saccule; primary saccule; transitory saccule) |
| LMMA_00089 | | | | | | | | | └ basement membrane |
| LMMA_00576 | | | | | | | | | └ terminal saccule epithelial cell |
| LMMA_00187 | | | | | | | | | └ intermediate pneumocyte (syn: intermediate alveolar epithelial cell; intermediate pneumocyte) |
| LMMA_00379 | | | | | | | | | └ type I pneumocyte (syn: alveolar epithelial type I cell; AT1 cell; AEC1) |
| LMMA_00381 | | | | | | | | | └ type II pneumocyte (syn: alveolar epithelial type II cell; AT2 cell; AEC2) |
| LMMA_00585 | | | | | | | | | └ pre-alveolar saccule interstitial tissue (syn: interstitial tissue; pre-alveolar saccular mesenchyme) |
| LMMA_00587 | | | | | | | | | └ pre-alveolar saccule interstitial cell (syn: interstitial tissue cell; pre-alveolar saccule mesenchymal cell; pre-alveolar saccule stromal cell) |
| LMMA_00007 | | | | | | | | | └ matrix fibroblast (syn: matrix synthesizing fibroblast) |
| LMMA_00243 | | | | | | | | | └ myofibroblast |
| LMMA_00273 | | | | | | | | | └ pericyte |
| LMMA_00607 | | | | | | | | | └ proliferative fibroblast |
| LMMA_00608 | | | | | | | | | └ proliferative myofibroblast |
| LMMA_00356 | | | | | | | | | └ telocyte |
| LMMA_00386 | | | | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | | | | └ ground substance |
| LMMA_00529 | | | | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | | | | └ reticular fiber |
| LMMA_00442 | | | | | | | | | └ pre-alveolar interstitial blood vessel (syn: interstitial blood vessel) |
| LMMA_00583 | | | | | | | | | └ pre-alveolar capillary bed (pre-alveolar capillary network) |
| LMMA_00129 | | | | | | | | | └ pre-alveolar capillary endothelium |
| LMMA_00089 | | | | | | | | | └ basement membrane |
| LMMA_00392 | | | | | | | | | └ vascular endothelial cell |
| LMMA_00617 | | | | | | | | | └ proliferative endothelial cell (syn: proliferating endothelial cell) |

LMMA_00046 | | | | **right upper lobe visceral pleura**
 LMMA_00405 | | | | visceral connective tissue
 LMMA_00136 | | | | connective tissue cell
 LMMA_00685 | | | | reticular cell
 LMMA_00685 | | | | reticular cell
 LMMA_00356 | | | | telocyte
 LMMA_00386 | | | | unclassified fibroblast
 LMMA_00168 | | | | extracellular matrix
 LMMA_00145 | | | | collagen fiber
 LMMA_00158 | | | | elastic fiber
 LMMA_00180 | | | | ground substance
 LMMA_00529 | | | | glycosaminoglycan
 LMMA_00178 | | | | glycoprotein
 LMMA_00283 | | | | proteoglycan
 LMMA_00320 | | | | reticular fiber
 LMMA_00386 | | | | unclassified fibroblast
 LMMA_00406 | | | | visceral mesothelium
 LMMA_00089 | | | | basement membrane
 LMMA_00231 | | | | mesothelial cell

LMMA_00520 respiratory autonomic nervous system (syn: autonomic respiratory nervous system)

LMMA_00641 | | | | pulmonary autonomic nerve
 LMMA_00257 | | | | non-adrenergic and non-cholinergic nerve (syn: sensory nerve)
 LMMA_00247 | | | | nerve fiber
 LMMA_00338 | | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00270 | | | | postganglionic parasympathetic nerve (syn: cholinergic innervation)
 LMMA_00247 | | | | nerve fiber
 LMMA_00338 | | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00352 | | | | postganglionic sympathetic nerve (syn: adrenergic innervation)
 LMMA_00247 | | | | nerve fiber
 LMMA_00338 | | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00642 | | | | preganglionic parasympathetic nerve
 LMMA_00247 | | | | nerve fiber
 LMMA_00338 | | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00634 | | | | pulmonary autonomic ganglion (syn: nerve cell cluster)
 LMMA_00521 | | | | autonomic neuron (syn: autonomic ganglion cell; autonomic ganglion neuron)
 LMMA_00338 | | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00633 | | | | pulmonary nerve plexus
 LMMA_00635 | | | | left pulmonary nerve plexus
 LMMA_00636 | | | | left anterior pulmonary nerve plexus
 LMMA_00637 | | | | left posterior pulmonary nerve plexus
 LMMA_00638 | | | | right pulmonary nerve plexus
 LMMA_00639 | | | | right anterior pulmonary nerve plexus
 LMMA_00640 | | | | right posterior pulmonary nerve plexus
 LMMA_00643 | | | | general visceral nervous system
 LMMA_00644 | | | | general visceral afferent nerve (syn: sensory nerve)
 LMMA_00247 | | | | nerve fiber
 LMMA_00338 | | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00645 | | | | visceral afferent sensory nerve terminal (syn: visceral afferent sensory nerve receptor)

LMMA_00522 respiratory immune system
LMMA_00185 ┆ immune cell
 LMMA_00614 | ┆ lymphoid cell
 LMMA_00241 | ┆ myeloid cell
 LMMA_00182 | | ┆ macrophage
 LMMA_00609 | | | ┆ immature macrophage (syn: fetal macrophage; immature alveolar macrophage)
 LMMA_00213 | | | ┆ interstitial macrophage (syn: lung tissue macrophage; pulmonary interstitial macrophage)
 LMMA_00613 | | ┆ megakaryocyte
 LMMA_00668 | | | ┆ platelet
LMMA_00626 ┆ lymphoid tissue
 LMMA_00475 | ┆ bronchus associated lymphoid tissue

LMMA_00523 respiratory vascular system

LMMA_00692 ┆ blood cell
 LMMA_00619 | ┆ erythrocyte
 LMMA_00819 | ┆ peripheral blood lymphocyte

LMMA_00104 ┆ bronchial blood vessel
LMMA_00098 | ┆ bronchial artery
LMMA_00095 | ┆ bronchial arteriole
LMMA_00105 | ┆ bronchial vein
LMMA_00109 | ┆ bronchial venule
LMMA_00519 | ┆ bronchial capillary
 LMMA_00293 | | ┆ capillary tunica intima
 LMMA_00378 | | | ┆ subendothelial connective tissue cell
 LMMA_00273 | | | | ┆ pericyte
 LMMA_00356 | | | | ┆ telocyte
 LMMA_00440 | | | ┆ vascular connective tissue (syn: perivascular connective tissue)
 LMMA_00136 | | | | ┆ connective tissue cell
 LMMA_00685 | | | | | ┆ reticular cell
 LMMA_00356 | | | | | ┆ telocyte
 LMMA_00386 | | | | | ┆ unclassified fibroblast
 LMMA_00168 | | | | ┆ extracellular matrix
 LMMA_00145 | | | | | ┆ collagen fiber
 LMMA_00158 | | | | | ┆ elastic fiber
 LMMA_00180 | | | | | ┆ ground substance
 LMMA_00529 | | | | | | ┆ glycosaminoglycan
 LMMA_00178 | | | | | | ┆ glycoprotein
 LMMA_00283 | | | | | | ┆ proteoglycan
 LMMA_00320 | | | | | ┆ reticular fiber
 LMMA_00292 | | ┆ capillary tunica adventitia
 LMMA_00440 | | | ┆ vascular connective tissue (syn: perivascular connective tissue)
 LMMA_00136 | | | | ┆ connective tissue cell
 LMMA_00685 | | | | | ┆ reticular cell
 LMMA_00356 | | | | | ┆ telocyte
 LMMA_00386 | | | | | ┆ unclassified fibroblast
 LMMA_00168 | | | | ┆ extracellular matrix
 LMMA_00145 | | | | | ┆ collagen fiber
 LMMA_00158 | | | | | ┆ elastic fiber

| | | | | | | |
|------------|--|--|--|--|--|---------------------|
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |

Note: the classification schema for “bronchial blood vessel” is as follows:

- The classification scheme for the “bronchial artery” is the same as for the “pulmonary muscular artery” below
- The classification scheme for the “bronchial arteriole” is the same as for the “pulmonary distal arteriole” below
- The classification scheme for the “bronchial venule” is the same as for the “pulmonary vein” (does not include the “vasa vasorum”) below
- The classification scheme for the “bronchial artery” is the same as for the “pulmonary distal venule” below

| | | | | | | |
|------------|--|----------------------------------|----------------------------------|--|---------------------------|---------------------|
| LMMA_00315 | | └ pulmonary blood vessel | | | | |
| LMMA_00632 | | └ intra-parenchymal blood vessel | | | | |
| LMMA_00291 | | └ pulmonary artery | | | | |
| LMMA_00293 | | | └ pulmonary artery tunica intima | | | |
| LMMA_00081 | | | | └ artery endothelium | | |
| LMMA_00089 | | | | └ basement membrane | | |
| LMMA_00616 | | | | └ arterial endothelial cell | | |
| LMMA_00191 | | | | └ internal elastic membrane | | |
| LMMA_00378 | | | | └ subendothelial connective tissue cell | | |
| LMMA_00273 | | | | └ pericyte | | |
| LMMA_00356 | | | | └ telocyte | | |
| LMMA_00440 | | | | └ vascular connective tissue (syn: perivascular connective tissue) | | |
| LMMA_00136 | | | | └ connective tissue cell | | |
| LMMA_00685 | | | | | └ reticular cell | |
| LMMA_00356 | | | | | └ telocyte | |
| LMMA_00386 | | | | | └ unclassified fibroblast | |
| LMMA_00168 | | | | | └ extracellular matrix | |
| LMMA_00145 | | | | | └ collagen fiber | |
| LMMA_00158 | | | | | └ elastic fiber | |
| LMMA_00180 | | | | | └ ground substance | |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00294 | | | └ pulmonary artery tunica media | | | |
| LMMA_00167 | | | | └ external elastic membrane | | |
| LMMA_00393 | | | | └ vascular smooth muscle | | |
| LMMA_00343 | | | | └ smooth muscle cell | | |
| LMMA_00440 | | | | └ vascular connective tissue (syn: perivascular connective tissue) | | |
| LMMA_00136 | | | | └ connective tissue cell | | |
| LMMA_00685 | | | | | └ reticular cell | |
| LMMA_00356 | | | | | └ telocyte | |
| LMMA_00386 | | | | | └ unclassified fibroblast | |
| LMMA_00168 | | | | | └ extracellular matrix | |
| LMMA_00145 | | | | | └ collagen fiber | |
| LMMA_00158 | | | | | └ elastic fiber | |
| LMMA_00180 | | | | | └ ground substance | |
| LMMA_00529 | | | | | | └ glycosaminoglycan |

| | | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|--|---|--|
| LMMA_00178 | | | | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | | | | ├ | reticular fiber |
| LMMA_00292 | | | | | | | | | | ├ | pulmonary artery tunica adventitia |
| LMMA_00395 | | | | | | | | | | ├ | vasa vasorum |
| LMMA_00440 | | | | | | | | | | ├ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | | | | ├ | reticular fiber |
| LMMA_00290 | | | | | | | | | | ├ | pulmonary arteriole |
| LMMA_00304 | | | | | | | | | | ├ | pulmonary muscular arteriole |
| LMMA_00488 | | | | | | | | | | ├ | pulmonary muscular arteriole tunica intima |
| LMMA_00078 | | | | | | | | | | ├ | arteriole endothelium |
| LMMA_00089 | | | | | | | | | | ├ | basement membrane |
| LMMA_00392 | | | | | | | | | | ├ | vascular endothelial cell |
| LMMA_00617 | | | | | | | | | | ├ | proliferative endothelial cell |
| LMMA_00378 | | | | | | | | | | ├ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | | | | | ├ | pericyte |
| LMMA_00356 | | | | | | | | | | ├ | telocyte |
| LMMA_00440 | | | | | | | | | | ├ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | | | | | | ├ | ground substance |
| LMMA_00529 | | | | | | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | | | | | | ├ | reticular fiber |
| LMMA_00489 | | | | | | | | | | ├ | pulmonary muscular arteriole tunica media |
| LMMA_00393 | | | | | | | | | | ├ | vascular smooth muscle |
| LMMA_00343 | | | | | | | | | | ├ | smooth muscle cell |
| LMMA_00440 | | | | | | | | | | ├ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | | | | | | ├ | telocyte |
| LMMA_00386 | | | | | | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | | | | | | ├ | collagen fiber |

| | | | | | | | | |
|-------------------|--|--|--|--|--|--|---|--|
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |
| LMMA_00298 | | | | | | | └ | pulmonary distal arteriole tunica adventitia |
| LMMA_00440 | | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |
| LMMA_00305 | | | | | | | └ | pulmonary vein |
| LMMA_00307 | | | | | | | └ | pulmonary vein tunica intima |
| LMMA_00378 | | | | | | | └ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | | └ | pericyte |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00397 | | | | | | | └ | vein endothelium |
| LMMA_00089 | | | | | | | └ | basement membrane |
| LMMA_00507 | | | | | | | └ | venous endothelial cell |
| LMMA_00440 | | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |
| LMMA_00308 | | | | | | | └ | pulmonary vein tunica media |
| LMMA_00393 | | | | | | | └ | vascular smooth muscle |
| LMMA_00343 | | | | | | | └ | smooth muscle cell |
| LMMA_00399 | | | | | | | └ | venous cardiac muscle |
| LMMA_00132 | | | | | | | └ | cardiomyocyte (syn: cardiac myocyte) |
| LMMA_00440 | | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | | └ | reticular cell |

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|-------------------|--|--|--|--|--|--|
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00306 | | | | | | └ pulmonary vein tunica adventitia |
| LMMA_00395 | | | | | | └ vasa vasorum |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00316 | | | | | | └ pulmonary venule |
| LMMA_00309 | | | | | | └ pulmonary muscular venule |
| LMMA_00311 | | | | | | └ pulmonary muscular venule tunica intima |
| LMMA_00403 | | | | | | └ venule endothelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00392 | | | | | | └ vascular endothelial cell |
| LMMA_00378 | | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ pericyte |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00312 | | | | | | └ pulmonary muscular venule tunica media |
| LMMA_00393 | | | | | | └ vascular smooth muscle |
| LMMA_00343 | | | | | | └ smooth muscle cell |
| LMMA_00399 | | | | | | └ venous cardiac muscle |

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|-------------------|--|--|--|--|--|--|
| LMMA_00132 | | | | | | └ cardiomyocyte (syn: cardiac myocyte) |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00310 | | | | | | └ pulmonary muscular venule tunica adventitia |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00301 | | | | | | └ pulmonary distal venule |
| LMMA_00303 | | | | | | └ pulmonary distal venule tunica intima |
| LMMA_00403 | | | | | | └ venule endothelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00392 | | | | | | └ vascular endothelial cell |
| LMMA_00617 | | | | | | └ proliferative endothelial cell |
| LMMA_00378 | | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ pericyte |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00302 | | | | | | └ pulmonary distal venule tunica adventitia |

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|-------------------|--|---|-----------------------------------|--|---|--|
| LMMA_00440 | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | └ | reticular cell |
| LMMA_00356 | | | | | └ | telocyte |
| LMMA_00386 | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | └ | ground substance |
| LMMA_00529 | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | └ | reticular fiber |
| LMMA_00447 | | └ | pulmonary lymphatic vessel | | | |
| LMMA_00221 | | | └ | lymphatic vessel tunica intima | | |
| LMMA_00422 | | | └ | lymphatic endothelium | | |
| LMMA_00089 | | | └ | basement membrane | | |
| LMMA_00216 | | | └ | lymphatic endothelial cell | | |
| LMMA_00378 | | | └ | subendothelial connective tissue cell | | |
| LMMA_00273 | | | └ | pericyte | | |
| LMMA_00356 | | | └ | telocyte | | |
| LMMA_00440 | | | └ | vascular connective tissue (syn: perivascular connective tissue) | | |
| LMMA_00136 | | | └ | connective tissue cell | | |
| LMMA_00685 | | | └ | reticular cell | | |
| LMMA_00356 | | | └ | telocyte | | |
| LMMA_00386 | | | └ | unclassified fibroblast | | |
| LMMA_00168 | | | └ | extracellular matrix | | |
| LMMA_00145 | | | └ | collagen fiber | | |
| LMMA_00158 | | | └ | elastic fiber | | |
| LMMA_00180 | | | └ | ground substance | | |
| LMMA_00529 | | | └ | glycosaminoglycan | | |
| LMMA_00178 | | | └ | glycoprotein | | |
| LMMA_00283 | | | └ | proteoglycan | | |
| LMMA_00320 | | | └ | reticular fiber | | |
| LMMA_00222 | | | └ | lymphatic vessel tunica media | | |
| LMMA_00217 | | | └ | lymphatic smooth muscle | | |
| LMMA_00343 | | | └ | smooth muscle cell | | |
| LMMA_00440 | | | └ | vascular connective tissue (syn: perivascular connective tissue) | | |
| LMMA_00136 | | | └ | connective tissue cell | | |
| LMMA_00685 | | | └ | reticular cell | | |
| LMMA_00356 | | | └ | telocyte | | |
| LMMA_00386 | | | └ | unclassified fibroblast | | |
| LMMA_00168 | | | └ | extracellular matrix | | |
| LMMA_00145 | | | └ | collagen fiber | | |
| LMMA_00158 | | | └ | elastic fiber | | |
| LMMA_00180 | | | └ | ground substance | | |
| LMMA_00529 | | | └ | glycosaminoglycan | | |
| LMMA_00178 | | | └ | glycoprotein | | |
| LMMA_00283 | | | └ | proteoglycan | | |
| LMMA_00320 | | | └ | reticular fiber | | |
| LMMA_00220 | | | └ | lymphatic vessel tunica adventitia | | |

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|------------|--|--|--|--|---|--|-------------------------|-------------------|
| LMMA_00440 | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) | | |
| LMMA_00136 | | | | | └ | connective tissue cell | | |
| LMMA_00685 | | | | | | └ | reticular cell | |
| LMMA_00356 | | | | | | └ | telocyte | |
| LMMA_00386 | | | | | | └ | unclassified fibroblast | |
| LMMA_00168 | | | | | └ | extracellular matrix | | |
| LMMA_00145 | | | | | | └ | collagen fiber | |
| LMMA_00158 | | | | | | └ | elastic fiber | |
| LMMA_00180 | | | | | | └ | ground substance | |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |

LMMA_00210 lower respiratory tract – P0 to P03 (mid-to-late saccular stage of mouse lung development)

| | |
|-------------------|--|
| LMMA_00361 | trachea |
| LMMA_00362 | └ trachea bifurcation |
| LMMA_00365 | └ trachea lumen |
| LMMA_00366 | └ trachea wall |
| LMMA_00415 | └ tracheal mucosa |
| LMMA_00414 | └ tracheal epithelium |
| LMMA_00089 | └ basement membrane |
| LMMA_00590 | └ tracheal epithelial cell |
| LMMA_00087 | └ basal cell |
| LMMA_00125 | └ chemosensory cell (syn: brush cell) |
| LMMA_00142 | └ ciliated cell |
| LMMA_00143 | └ club cell (syn: Clara cell; nonciliated secretory cell; bronchiolar exocrine cell) |
| LMMA_00184 | └ immature club cell (syn: immature Clara cell) |
| LMMA_00526 | └ intermediate airway progenitor cell |
| LMMA_00238 | └ mucus cell (syn: mucous cell) |
| LMMA_00252 | └ neuroendocrine cell |
| LMMA_00340 | └ serous cell |
| LMMA_00384 | └ unclassified epithelial cell |
| LMMA_00483 | └ tracheal lamina propria |
| LMMA_00136 | └ connective tissue cell |
| LMMA_00685 | └ reticular cell |
| LMMA_00356 | └ telocyte |
| LMMA_00386 | └ unclassified fibroblast |
| LMMA_00168 | └ extracellular matrix |
| LMMA_00145 | └ collagen fiber |
| LMMA_00158 | └ elastic fiber |
| LMMA_00180 | └ ground substance |
| LMMA_00529 | └ glycosaminoglycan |
| LMMA_00178 | └ glycoprotein |
| LMMA_00283 | └ proteoglycan |
| LMMA_00320 | └ reticular fiber |
| LMMA_00416 | └ tracheal submucosa |
| LMMA_00047 | └ submucosal gland |
| LMMA_00351 | └ submucosal gland epithelium |
| LMMA_00089 | └ basement membrane |
| LMMA_00694 | └ submucosal gland epithelial cell |
| LMMA_00238 | └ mucus cell (syn: mucous cell) |
| LMMA_00340 | └ serous cell |
| LMMA_00242 | └ myoepithelial cell |
| LMMA_00455 | └ submucosal gland duct epithelium |
| LMMA_00087 | └ basal cell |
| LMMA_00089 | └ basement membrane |
| LMMA_00693 | └ submucosal gland duct epithelial cell |
| LMMA_00087 | └ basal cell |
| LMMA_00125 | └ chemosensory cell (syn: brush cell) |
| LMMA_00142 | └ ciliated cell |
| LMMA_00146 | └ collecting duct cell |
| LMMA_00606 | └ tracheal cartilaginous ring |
| LMMA_00592 | └ annular ligament |

| | | | | | |
|------------|--|--|--|---|--|
| LMMA_00183 | | | | ├ | hyaline cartilage |
| LMMA_00141 | | | | ├ | chondrocyte |
| LMMA_00168 | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | ├ | collagen fiber |
| LMMA_00158 | | | | ├ | elastic fiber |
| LMMA_00180 | | | | ├ | ground substance |
| LMMA_00529 | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | ├ | glycoprotein |
| LMMA_00283 | | | | ├ | proteoglycan |
| LMMA_00320 | | | | ├ | reticular fiber |
| LMMA_00370 | | | | ├ | trachealis muscle (syn: membranous trachea) |
| LMMA_00343 | | | | ├ | smooth muscle cell |
| LMMA_00410 | | | | ├ | fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) |
| LMMA_00412 | | | | ├ | perichondrium |
| LMMA_00136 | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | ├ | reticular cell |
| LMMA_00356 | | | | ├ | telocyte |
| LMMA_00386 | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | ├ | collagen fiber |
| LMMA_00158 | | | | ├ | elastic fiber |
| LMMA_00180 | | | | ├ | ground substance |
| LMMA_00529 | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | ├ | glycoprotein |
| LMMA_00283 | | | | ├ | proteoglycan |
| LMMA_00320 | | | | ├ | reticular fiber |
| LMMA_00367 | | | | ├ | tracheal adventitia |
| LMMA_00055 | | | | ├ | adipose tissue |
| LMMA_00054 | | | | ├ | adipocyte |
| LMMA_00136 | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | ├ | reticular cell |
| LMMA_00356 | | | | ├ | telocyte |
| LMMA_00386 | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | ├ | collagen fiber |
| LMMA_00158 | | | | ├ | elastic fiber |
| LMMA_00180 | | | | ├ | ground substance |
| LMMA_00529 | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | ├ | glycoprotein |
| LMMA_00283 | | | | ├ | proteoglycan |

LMMA_00120 bronchus

| | | |
|-------------------|---|---|
| LMMA_00527 | ├ | main bronchus (syn: primary bronchus; mainstem bronchus) |
| LMMA_00205 | | ├ left lung main bronchus (syn: left lung mainstem bronchus; left lung primary bronchus) |
| LMMA_00329 | | ├ right lung main bronchus (syn: right lung primary bronchus; right lung mainstem bronchus) |
| LMMA_00528 | ├ | lobar bronchus (syn: secondary bronchus) |
| LMMA_00333 | | ├ right lung upper lobar bronchus (syn: right cranial lobar bronchus; right apical lobar bromchus) |
| LMMA_00331 | | ├ right lung middle lobar bronchus (syn: right cardiac lobar bronchus) |
| LMMA_00325 | | ├ right lung lower lobar bronchus (syn: right caudal lobar bronchus; right diaphragmatic lobar bronchus) |
| LMMA_00323 | | ├ right lung accessory lobar bronchus (syn: right post-caval lobar bronchus; right infra-cardiac lobar bronchus; right intermediate lobar bronchus) |

Note: The classification scheme for each bronchus above is the same as below.

| | | | | | | |
|-------------------|--|--|--|---|--|---------------------|
| LMMA_00123 | | | | └ | bronchus lumen | |
| LMMA_00124 | | | | └ | bronchus wall | |
| LMMA_00418 | | | | └ | bronchial mucosa | |
| LMMA_00101 | | | | └ | bronchial epithelium | |
| LMMA_00089 | | | | └ | basement membrane | |
| LMMA_00591 | | | | └ | bronchial epithelial cell | |
| LMMA_00087 | | | | └ | basal cell | |
| LMMA_00125 | | | | └ | chemosensory cell (syn: brush cell) | |
| LMMA_00142 | | | | └ | ciliated cell | |
| LMMA_00143 | | | | └ | club cell (syn: Clara cell; nonciliated secretory cell; bronchiolar exocrine cell) | |
| LMMA_00184 | | | | └ | immature club cell (syn: immature Clara cell) | |
| LMMA_00526 | | | | └ | intermediate airway progenitor cell | |
| LMMA_00238 | | | | └ | mucus cell (syn: mucous cell) | |
| LMMA_00252 | | | | └ | neuroendocrine cell | |
| LMMA_00340 | | | | └ | serous cell | |
| LMMA_00384 | | | | └ | unclassified epithelial cell | |
| LMMA_00481 | | | | └ | bronchial lamina propria | |
| LMMA_00136 | | | | └ | connective tissue cell | |
| LMMA_00685 | | | | └ | reticular cell | |
| LMMA_00356 | | | | └ | telocyte | |
| LMMA_00386 | | | | └ | unclassified fibroblast | |
| LMMA_00168 | | | | └ | extracellular matrix | |
| LMMA_00145 | | | | └ | collagen fiber | |
| LMMA_00158 | | | | └ | elastic fiber | |
| LMMA_00180 | | | | └ | ground substance | |
| LMMA_00529 | | | | | └ glycosaminoglycan | |
| LMMA_00178 | | | | | └ glycoprotein | |
| LMMA_00283 | | | | | └ proteoglycan | |
| LMMA_00320 | | | | | └ reticular fiber | |
| LMMA_00482 | | | | └ | bronchial smooth muscle (syn: peribronchial smooth muscle) | |
| LMMA_00343 | | | | └ | smooth muscle cell | |
| LMMA_00419 | | | | └ | bronchial submucosa | |
| LMMA_00133 | | | | └ | bronchial cartilaginous ring (syn: cartilage ring; cartilage; cartilaginous ring) | |
| LMMA_00482 | | | | └ | bronchial smooth muscle (syn: peribronchial smooth muscle) | |
| LMMA_00343 | | | | └ | smooth muscle cell | |
| LMMA_00183 | | | | └ | hyaline cartilage | |
| LMMA_00141 | | | | └ | chondrocyte | |
| LMMA_00168 | | | | └ | extracellular matrix | |
| LMMA_00145 | | | | | └ collagen fiber | |
| LMMA_00158 | | | | | └ elastic fiber | |
| LMMA_00180 | | | | | └ ground substance | |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00410 | | | | └ | fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) | |
| LMMA_00412 | | | | └ | perichondrium | |
| LMMA_00592 | | | | └ | annular ligament | |

| | | | | | | |
|-------------------|--|--|--|--|---|-----------------------------|
| LMMA_00136 | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | ├ | telocyte |
| LMMA_00386 | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | ├ | ground substance |
| LMMA_00529 | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | ├ | reticular fiber |
| LMMA_00094 | | | | | ├ | bronchial adventitia |
| LMMA_00055 | | | | | ├ | adipose tissue |
| LMMA_00054 | | | | | ├ | adipocyte |
| LMMA_00136 | | | | | ├ | connective tissue cell |
| LMMA_00685 | | | | | ├ | reticular cell |
| LMMA_00356 | | | | | ├ | telocyte |
| LMMA_00386 | | | | | ├ | unclassified fibroblast |
| LMMA_00168 | | | | | ├ | extracellular matrix |
| LMMA_00145 | | | | | ├ | collagen fiber |
| LMMA_00158 | | | | | ├ | elastic fiber |
| LMMA_00180 | | | | | ├ | ground substance |
| LMMA_00529 | | | | | ├ | glycosaminoglycan |
| LMMA_00178 | | | | | ├ | glycoprotein |
| LMMA_00283 | | | | | ├ | proteoglycan |
| LMMA_00320 | | | | | ├ | reticular fiber |

LMMA_00211 lung

LMMA_00199 └ left lung

LMMA_00326 └ right lung

| | | | |
|------------|--|---|---|
| LMMA_00332 | | └ | right lung upper lobe (syn: right cranial lobe; right apical lobe) |
| LMMA_00330 | | └ | right lung middle lobe (syn: right cardiac lobe) |
| LMMA_00324 | | └ | right lung lower lobe (syn: right caudal lobe; right diaphragmatic lobe) |
| LMMA_00322 | | └ | right lung accessory lobe (syn: right post-caval lobe; right infra-cardiac lobe; right intermediate lobe) |

Note: The classification scheme for the left lung and right lung middle, lower, and accessory lobes is the same as for the right lung upper lobe below:

| | | | | | | |
|-------------------|--|---|-------------------------------|--|-------------------------------|---|
| LMMA_00332 | | └ | right lung upper lobe | | | |
| LMMA_00605 | | | └ right lung upper lobe hilum | | | |
| LMMA_00039 | | | └ right upper lobe bronchiole | | | |
| LMMA_00140 | | | | └ central bronchiole (syn: proximal bronchiole; primary bronchiole) | | |
| LMMA_00138 | | | | └ central bronchiolar lumen | | |
| LMMA_00139 | | | | └ central bronchiolar wall | | |
| LMMA_00286 | | | | └ central bronchiolar epithelium (syn: proximal bronchiolar epithelium) | | |
| LMMA_00089 | | | | | └ basement membrane | |
| LMMA_00582 | | | | | └ bronchiolar epithelial cell | |
| LMMA_00142 | | | | | └ ciliated cell | |
| | | | | | | |
| LMMA_00184 | | | | | | └ immature club cell (syn: immature Clara cell) |

| | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|--|--|
| LMMA_00252 | | | | | | | | | | └ neuroendocrine cell |
| LMMA_00253 | | | | | | | | | | └ neuroepithelial body |
| LMMA_00252 | | | | | | | | | | └ neuroendocrine cell |
| LMMA_00384 | | | | | | | | | | └ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | | | | | └ bronchiolar connective tissue (syn: peribronchiolar connective tissue) |
| LMMA_00136 | | | | | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | | | | | └ telocyte |
| LMMA_00386 | | | | | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | | | | | └ ground substance |
| LMMA_00529 | | | | | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | | | | | └ reticular fiber |
| LMMA_00240 | | | | | | | | | | └ bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00343 | | | | | | | | | | └ smooth muscle cell |
| LMMA_00198 | | | | | | | | | | └ lateral bronchiole (syn: distal bronchiole; secondary bronchiole) |
| LMMA_00196 | | | | | | | | | | └ lateral bronchiolar lumen |
| LMMA_00197 | | | | | | | | | | └ lateral bronchiolar wall |
| LMMA_00433 | | | | | | | | | | └ lateral bronchiolar epithelium (syn: distal bronchiolar epithelium) |
| LMMA_00089 | | | | | | | | | | └ basement membrane |
| LMMA_00582 | | | | | | | | | | └ bronchiolar epithelial cell |
| LMMA_00142 | | | | | | | | | | └ ciliated cell |
| | | | | | | | | | | |
| LMMA_00184 | | | | | | | | | | └ immature club cell (syn: immature Clara cell) |
| LMMA_00252 | | | | | | | | | | └ neuroendocrine cell |
| LMMA_00253 | | | | | | | | | | └ neuroepithelial body |
| LMMA_00252 | | | | | | | | | | └ neuroendocrine cell |
| LMMA_00384 | | | | | | | | | | └ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | | | | | └ bronchiolar connective tissue (syn: peribronchiolar connective tissue) |
| LMMA_00136 | | | | | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | | | | | └ telocyte |
| LMMA_00386 | | | | | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | | | | | └ ground substance |
| LMMA_00529 | | | | | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | | | | | └ reticular fiber |
| LMMA_00240 | | | | | | | | | | └ bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00343 | | | | | | | | | | └ smooth muscle cell |
| LMMA_00359 | | | | | | | | | | └ terminal bronchiole |
| LMMA_00357 | | | | | | | | | | └ terminal bronchiolar lumen |
| LMMA_00358 | | | | | | | | | | └ terminal bronchiolar wall |
| LMMA_00457 | | | | | | | | | | └ terminal bronchiolar epithelium |

| | | | | | | |
|-------------------|--|--|--|--|--|---|
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00582 | | | | | | └ bronchiolar epithelial cell |
| LMMA_00142 | | | | | | └ ciliated cell |
| LMMA_00184 | | | | | | └ immature club cell (syn: immature Clara cell) |
| LMMA_00252 | | | | | | └ neuroendocrine cell |
| LMMA_00253 | | | | | | └ neuroepithelial body |
| LMMA_00252 | | | | | | └ neuroendocrine cell |
| LMMA_00384 | | | | | | └ unclassified epithelial cell (syn: general epithelial cell; nonspecific epithelial cell) |
| LMMA_00525 | | | | | | └ bronchiolar connective tissue (syn: peribronchiolar connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00240 | | | | | | └ bronchiolar smooth muscle (syn: peribronchiolar smooth muscle) |
| LMMA_00343 | | | | | | └ smooth muscle cell |
| LMMA_00119 | | | | | | └ bronchioalveolar duct junction |
| LMMA_00470 | | | | | | └ bronchioalveolar stem cell |
| LMMA_00252 | | | | | | └ neuroendocrine cell |
| LMMA_00038 | | | | | | └ right upper lobe alveolar parenchyma |
| LMMA_00062 | | | | | | └ pulmonary alveolar duct |
| LMMA_00063 | | | | | | └ alveolar duct lumen |
| LMMA_00215 | | | | | | └ pulmonary surfactant (syn: lung surfactant) |
| LMMA_00226 | | | | | | └ alveolar macrophage |
| LMMA_00064 | | | | | | └ alveolar duct wall |
| LMMA_00065 | | | | | | └ alveolar epithelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00574 | | | | | | └ alveolar epithelial cell |
| LMMA_00187 | | | | | | └ intermediate pneumocyte (syn: bi-potential pneumocyte) |
| LMMA_00379 | | | | | | └ type I pneumocyte (syn: alveolar epithelial type I cell; AT1 cell; AEC1) |
| LMMA_00381 | | | | | | └ type II pneumocyte (syn: alveolar epithelial type II cell; AT2 cell; AEC2) |
| LMMA_00060 | | | | | | └ alveolar capillary bed (syn: alveolar capillary network) |
| LMMA_00061 | | | | | | └ alveolar capillary endothelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00273 | | | | | | └ pericyte |
| LMMA_00392 | | | | | | └ vascular endothelial cell |
| LMMA_00067 | | | | | | └ alveolar interstitial tissue (syn: alveolar interstitium; alveolar connective tissue; alveolar stroma; alveolar mesenchyme) |
| LMMA_00066 | | | | | | └ alveolar interstitial cell (syn: alveolar stromal cell; alveolar connective tissue cell) |
| LMMA_00209 | | | | | | └ lipofibroblast |
| LMMA_00007 | | | | | | └ matrix fibroblast |
| LMMA_00243 | | | | | | └ myofibroblast (syn: matrix synthesizing fibroblast) |
| LMMA_00273 | | | | | | └ pericyte |

LMMA_00356 | | | | | | | | | telocyte
 LMMA_00607 | | | | | | | | | proliferative fibroblast
 LMMA_00598 | | | | | | | | | proliferative interstitial cell
 LMMA_00465 | | | | | | | | | unclassified alveolar interstitial cell
 LMMA_00386 | | | | | | | | | unclassified fibroblast
 LMMA_00168 | | | | | | | | | extracellular matrix
 LMMA_00145 | | | | | | | | | collagen fiber
 LMMA_00158 | | | | | | | | | elastic fiber
 LMMA_00180 | | | | | | | | | ground substance
 LMMA_00529 | | | | | | | | | glycosaminoglycan
 LMMA_00178 | | | | | | | | | glycoprotein
 LMMA_00283 | | | | | | | | | proteoglycan
 LMMA_00320 | | | | | | | | | reticular fiber
LMMA_00817 | | | | | | | | | **alveolar sac**
 LMMA_00818 | | | | | | | | | alveolar sac lumen
 LMMA_00215 | | | | | | | | | pulmonary surfactant (syn: lung surfactant)
 LMMA_00226 | | | | | | | | | alveolar macrophage
LMMA_00072 | | | | | | | | | **alveolus of lung**
 LMMA_00068 | | | | | | | | | alveolar lumen
 LMMA_00215 | | | | | | | | | pulmonary surfactant (syn: lung surfactant)
 LMMA_00226 | | | | | | | | | alveolar macrophage
LMMA_00002 | | | | | | | | | **alveolar septum (syn: alveolar wall, inter-alveolar septum)**
LMMA_00279 | | | | | | | | | **primary alveolar septum (syn: primary alveolar sacculle; primary septum)**
NOTE: there are NO alveolar septal crests/ridges yet or secondary alveoli or alveolar speta

LMMA_00065 | | | | | | | | | alveolar epithelium
 LMMA_00089 | | | | | | | | | basement membrane
 LMMA_00574 | | | | | | | | | alveolar epithelial cell
 LMMA_00187 | | | | | | | | | intermediate pneumocyte (syn: bi-potential pneumocyte)
 LMMA_00379 | | | | | | | | | type I pneumocyte (syn: alveolar epithelial type I cell; AT1 cell; AEC1)
 LMMA_00381 | | | | | | | | | type II pneumocyte (syn: alveolar epithelial type II cell; AT2 cell; AEC2)
 LMMA_00060 | | | | | | | | | alveolar capillary bed (syn: alveolar capillary network)
 LMMA_00061 | | | | | | | | | alveolar capillary endothelium
 LMMA_00089 | | | | | | | | | basement membrane
 LMMA_00273 | | | | | | | | | pericyte
 LMMA_00392 | | | | | | | | | vascular endothelial cell
 LMMA_00067 | | | | | | | | | alveolar interstitial tissue (syn: alveolar interstitium; alveolar connective tissue; alveolar stroma; alveolar mesenchyme)
 LMMA_00066 | | | | | | | | | alveolar interstitial cell (syn stromal or connective tissue cell)
 LMMA_00209 | | | | | | | | | lipofibroblast
 LMMA_00007 | | | | | | | | | matrix fibroblast (syn: matrix synthesizing fibroblast)
 LMMA_00243 | | | | | | | | | myofibroblast
 LMMA_00273 | | | | | | | | | pericyte
 LMMA_00356 | | | | | | | | | telocyte
 LMMA_00607 | | | | | | | | | proliferative fibroblast
 LMMA_00598 | | | | | | | | | proliferative interstitial cell
 LMMA_00465 | | | | | | | | | unclassified alveolar interstitial cell
 LMMA_00386 | | | | | | | | | unclassified fibroblast
 LMMA_00168 | | | | | | | | | extracellular matrix
 LMMA_00145 | | | | | | | | | collagen fiber
 LMMA_00158 | | | | | | | | | elastic fiber

LMMA_00180 | | | | | | | | | ground substance
 LMMA_00529 | | | | | | | | | glycosaminoglycan
 LMMA_00178 | | | | | | | | | glycoprotein
 LMMA_00283 | | | | | | | | | proteoglycan
 LMMA_00320 | | | | | | | | | reticular fiber

LMMA_00046 | | | right upper lobe visceral pleura

LMMA_00405 | | | | | visceral connective tissue
 LMMA_00136 | | | | | connective tissue cell
 LMMA_00685 | | | | | reticular cell
 LMMA_00356 | | | | | telocyte
 LMMA_00386 | | | | | unclassified fibroblast
 LMMA_00168 | | | | | extracellular matrix
 LMMA_00145 | | | | | collagen fiber
 LMMA_00158 | | | | | elastic fiber
 LMMA_00180 | | | | | ground substance
 LMMA_00529 | | | | | glycosaminoglycan
 LMMA_00178 | | | | | glycoprotein
 LMMA_00283 | | | | | proteoglycan
 LMMA_00320 | | | | | reticular fiber
 LMMA_00386 | | | | | unclassified fibroblast
 LMMA_00406 | | | | | visceral mesothelium
 LMMA_00089 | | | | | basement membrane
 LMMA_00231 | | | | | mesothelial cell

LMMA_00520 respiratory autonomic nervous system (syn: autonomic respiratory nervous system)

LMMA_00641 | | | pulmonary autonomic nerve
 LMMA_00257 | | | non-adrenergic and non-cholinergic nerve (syn: sensory nerve)
 LMMA_00247 | | | nerve fiber
 LMMA_00338 | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00270 | | | postganglionic parasympathetic nerve (syn: cholinergic innervation)
 LMMA_00247 | | | nerve fiber
 LMMA_00338 | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00352 | | | postganglionic sympathetic nerve (syn: adrenergic innervation)
 LMMA_00247 | | | nerve fiber
 LMMA_00338 | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00642 | | | preganglionic parasympathetic nerve
 LMMA_00247 | | | nerve fiber
 LMMA_00338 | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00634 | | | pulmonary autonomic ganglion (syn: nerve cell cluster)
 LMMA_00521 | | | autonomic neuron (syn: autonomic ganglion cell; autonomic ganglion neuron)
 LMMA_00338 | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00633 | | | pulmonary nerve plexus
 LMMA_00635 | | | left pulmonary nerve plexus
 LMMA_00636 | | | left anterior pulmonary nerve plexus
 LMMA_00637 | | | left posterior pulmonary nerve plexus
 LMMA_00638 | | | right pulmonary nerve plexus
 LMMA_00639 | | | right anterior pulmonary nerve plexus
 LMMA_00640 | | | right posterior pulmonary nerve plexus
 LMMA_00643 | | | general visceral nervous system
 LMMA_00644 | | | general visceral afferent nerve (syn: sensory nerve)

LMMA_00247 | | | nerve fiber
 LMMA_00338 | | | glial cell (syn: neuroglial cell; Schwann cell)
 LMMA_00645 | | | visceral afferent sensory nerve terminal (syn: visceral afferent sensory nerve receptor)

LMMA_00522 respiratory immune system

LMMA_00185 | | | immune cell
 LMMA_00150 | | | dendritic cell
 LMMA_00676 | | | Langerhans cell
 LMMA_00241 | | | myeloid cell
 LMMA_00179 | | | granulocyte
 LMMA_00090 | | | | basophil (syn: basophilic leukocyte; basophilic granulocyte)
 LMMA_00163 | | | | eosinophil
 LMMA_00256 | | | | neutrophil
 LMMA_00182 | | | | macrophage (syn: histiocyte)
 LMMA_00226 | | | | alveolar macrophage
 LMMA_00213 | | | | interstitial macrophage (syn: lung tissue macrophage; pulmonary interstitial macrophage)
 LMMA_00698 | | | | lymph node macrophage
 LMMA_00227 | | | | mast cell
 LMMA_00613 | | | | megakaryocyte
 LMMA_00668 | | | | platelet
 LMMA_00233 | | | | monocyte
 LMMA_00742 | | | | neutrophil, Lgals3-negative myeloid
 LMMA_00614 | | | lymphoid cell
 LMMA_00620 | | | | innate lymphoid cell
 LMMA_00245 | | | | | natural killer cell (syn: non-T, non-B lymphocyte; large granular lymphocyte)
 LMMA_00437 | | | | | nuocyte
 LMMA_00223 | | | | lymphocyte
 LMMA_00086 | | | | | B Lymphocyte (syn: B cell)
 LMMA_00677 | | | | | | plasma cell (syn: mature B lymphocyte)
 LMMA_00354 | | | | | | T Lymphocyte (syn: T cell)
 LMMA_00816 | | | | | | peripheral blood lymphocytes
 LMMA_00626 | | | lymphoid tissue
 LMMA_00475 | | | | bronchus associated lymphoid tissue
 LMMA_00086 | | | | | B Lymphocyte (syn: B cell)
 LMMA_00677 | | | | | | plasma cell (syn: mature B lymphocyte)
 LMMA_00354 | | | | | | T Lymphocyte (syn: T cell)
 LMMA_00224 | | | | lymph node
 LMMA_00678 | | | | | connective tissue capsule
 LMMA_00679 | | | | | | trabecula
 LMMA_00680 | | | | | | cortex
 LMMA_00681 | | | | | | primary lymphoid follicle
 LMMA_00699 | | | | | | | germinal center (syn: central zone of follicle; reactive center of follicle)
 LMMA_00086 | | | | | | | | B Lymphocyte (syn: B cell)
 LMMA_00677 | | | | | | | | | plasma cell (syn: mature B lymphocyte)
 LMMA_00686 | | | | | | | | | endothelial sinus
 LMMA_00687 | | | | | | | | | cortical sinus
 LMMA_00688 | | | | | | | | | medullary sinus
 LMMA_00689 | | | | | | | | | paratrabecular sinus (syn: trabecular sinus)
 LMMA_00690 | | | | | | | | | subcapsular sinus
 LMMA_00223 | | | | | lymphocyte
 LMMA_00086 | | | | | | B Lymphocyte (syn: B cell)

LMMA_00677 | | | | | † plasma cell (syn: mature B lymphocyte)
 LMMA_00354 | | | | | † T Lymphocyte (syn: T cell)
 LMMA_00816 | | | | | † peripheral blood lymphocytes
 LMMA_00682 | | | | | † medulla
 LMMA_00683 | | | | | † medullary cord
 LMMA_00086 | | | | | † B Lymphocyte (syn: B cell)
 LMMA_00677 | | | | | † plasma cell (syn: mature B lymphocyte)
 LMMA_00698 | | | | | † lymphoid macrophage
 LMMA_00684 | | | | | † paracortex (syn: subcortical zone, interfollicular area of the lymph node)
 LMMA_00685 | | | | | † reticular cell
 LMMA_00354 | | | | | † T Lymphocyte (syn: T cell)

LMMA_00523 respiratory vascular system (syn: vascular system; vasculature)

LMMA_00692 † blood cell

LMMA_00619 | | | | | † erythrocyte
 LMMA_00179 | | | | | † granulocyte
 LMMA_00090 | | | | | † basophil (syn: basophilic leukocyte; basophilic granulocyte)
 LMMA_00163 | | | | | † eosinophil
 LMMA_00256 | | | | | † neutrophil
 LMMA_00233 | | | | | † monocyte
 LMMA_00819 | | | | | † peripheral blood lymphocyte

LMMA_00104 † bronchial blood vessel

LMMA_00098 | | | | | † bronchial artery
LMMA_00095 | | | | | † bronchial arteriole
LMMA_00105 | | | | | † bronchial vein
LMMA_00109 | | | | | † bronchial venule
LMMA_00519 | | | | | † bronchial capillary
 LMMA_00293 | | | | | † capillary tunica intima
 LMMA_00378 | | | | | † subendothelial connective tissue cell
 LMMA_00273 | | | | | † pericyte
 LMMA_00356 | | | | | † telocyte
 LMMA_00440 | | | | | † vascular connective tissue (syn: perivascular connective tissue)
 LMMA_00136 | | | | | † connective tissue cell
 LMMA_00685 | | | | | † reticular cell
 LMMA_00356 | | | | | † telocyte
 LMMA_00386 | | | | | † unclassified fibroblast
 LMMA_00168 | | | | | † extracellular matrix
 LMMA_00145 | | | | | † collagen fiber
 LMMA_00158 | | | | | † elastic fiber
 LMMA_00180 | | | | | † ground substance
 LMMA_00529 | | | | | † glycosaminoglycan
 LMMA_00178 | | | | | † glycoprotein
 LMMA_00283 | | | | | † proteoglycan
 LMMA_00320 | | | | | † reticular fiber
 LMMA_00292 | | | | | † capillary tunica adventitia
 LMMA_00440 | | | | | † vascular connective tissue (syn: perivascular connective tissue)
 LMMA_00136 | | | | | † connective tissue cell
 LMMA_00685 | | | | | † reticular cell
 LMMA_00356 | | | | | † telocyte

| | | | | | | |
|------------|--|--|--|--|--|---------------------------|
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |

Note: the classification schema for “bronchial blood vessel” is as follows:

- The classification scheme for the “bronchial artery” is the same as for the “pulmonary muscular artery” below
- The classification scheme for the “bronchial arteriole” is the same as for the “pulmonary distal arteriole” below
- The classification scheme for the “bronchial venule” is the same as for the “pulmonary vein” (does not include the “vasa vasorum”) below
- The classification scheme for the “bronchial artery” is the same as for the “pulmonary distal venule” below

| | | | | | | |
|------------|--|--|--|--|--|--|
| LMMA_00315 | | | | | | └ pulmonary blood vessel |
| LMMA_00632 | | | | | | └ intra-parenchymal blood vessel |
| LMMA_00291 | | | | | | └ pulmonary artery |
| LMMA_00293 | | | | | | └ pulmonary artery tunica intima |
| LMMA_00081 | | | | | | └ artery endothelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00616 | | | | | | └ arterial endothelial cell |
| LMMA_00191 | | | | | | └ internal elastic membrane |
| LMMA_00378 | | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ pericyte |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00294 | | | | | | └ pulmonary artery tunica media |
| LMMA_00167 | | | | | | └ external elastic membrane |
| LMMA_00393 | | | | | | └ vascular smooth muscle |
| LMMA_00343 | | | | | | └ smooth muscle cell |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |

| | | | | | | |
|-------------------|--|--|--|--|--|--|
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00292 | | | | | | └ pulmonary artery tunica adventitia |
| LMMA_00395 | | | | | | └ vasa vasorum |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00290 | | | | | | └ pulmonary arteriole |
| LMMA_00304 | | | | | | └ pulmonary muscular arteriole |
| LMMA_00488 | | | | | | └ pulmonary muscular arteriole tunica intima |
| LMMA_00078 | | | | | | └ arteriole endothelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00392 | | | | | | └ vascular endothelial cell |
| LMMA_00378 | | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ pericyte |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00489 | | | | | | └ pulmonary muscular arteriole tunica media |
| LMMA_00393 | | | | | | └ vascular smooth muscle |
| LMMA_00343 | | | | | | └ smooth muscle cell |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |

| | | | | | | | | |
|-------------------|----------|----------|----------|----------|----------|----------|----------|--|
| LMMA_00386 | | | | | | | ┆ | unclassified fibroblast |
| LMMA_00168 | | | | | | | ┆ | extracellular matrix |
| LMMA_00145 | | | | | | | ┆ | collagen fiber |
| LMMA_00158 | | | | | | | ┆ | elastic fiber |
| LMMA_00180 | | | | | | | ┆ | ground substance |
| LMMA_00529 | | | | | | | ┆ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ┆ | glycoprotein |
| LMMA_00283 | | | | | | | ┆ | proteoglycan |
| LMMA_00320 | | | | | | | ┆ | reticular fiber |
| LMMA_00486 | | | | | | | ┆ | pulmonary muscular arteriole tunica adventitia |
| LMMA_00395 | | | | | | | ┆ | vasa vasorum |
| LMMA_00440 | | | | | | | ┆ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | ┆ | connective tissue cell |
| LMMA_00685 | | | | | | | ┆ | reticular cell |
| LMMA_00356 | | | | | | | ┆ | telocyte |
| LMMA_00386 | | | | | | | ┆ | unclassified fibroblast |
| LMMA_00168 | | | | | | | ┆ | extracellular matrix |
| LMMA_00145 | | | | | | | ┆ | collagen fiber |
| LMMA_00158 | | | | | | | ┆ | elastic fiber |
| LMMA_00180 | | | | | | | ┆ | ground substance |
| LMMA_00529 | | | | | | | ┆ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ┆ | glycoprotein |
| LMMA_00283 | | | | | | | ┆ | proteoglycan |
| LMMA_00320 | | | | | | | ┆ | reticular fiber |
| LMMA_00297 | | | | | | | ┆ | pulmonary distal arteriole |
| LMMA_00299 | | | | | | | ┆ | pulmonary distal arteriole tunica intima |
| LMMA_00078 | | | | | | | ┆ | arteriole endothelium |
| LMMA_00089 | | | | | | | ┆ | basement membrane |
| LMMA_00392 | | | | | | | ┆ | vascular endothelial cell |
| LMMA_00378 | | | | | | | ┆ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | | ┆ | pericyte |
| LMMA_00356 | | | | | | | ┆ | telocyte |
| LMMA_00440 | | | | | | | ┆ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | ┆ | connective tissue cell |
| LMMA_00685 | | | | | | | ┆ | reticular cell |
| LMMA_00356 | | | | | | | ┆ | telocyte |
| LMMA_00386 | | | | | | | ┆ | unclassified fibroblast |
| LMMA_00168 | | | | | | | ┆ | extracellular matrix |
| LMMA_00145 | | | | | | | ┆ | collagen fiber |
| LMMA_00158 | | | | | | | ┆ | elastic fiber |
| LMMA_00180 | | | | | | | ┆ | ground substance |
| LMMA_00529 | | | | | | | ┆ | glycosaminoglycan |
| LMMA_00178 | | | | | | | ┆ | glycoprotein |
| LMMA_00283 | | | | | | | ┆ | proteoglycan |
| LMMA_00320 | | | | | | | ┆ | reticular fiber |
| LMMA_00300 | | | | | | | ┆ | pulmonary distal arteriole tunica media |
| LMMA_00393 | | | | | | | ┆ | vascular smooth muscle |
| LMMA_00343 | | | | | | | ┆ | smooth muscle cell |
| LMMA_00440 | | | | | | | ┆ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | | ┆ | connective tissue cell |
| LMMA_00685 | | | | | | | ┆ | reticular cell |

| | | | | | | |
|-------------------|--|--|--|--|---|--|
| LMMA_00136 | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | └ | reticular cell |
| LMMA_00356 | | | | | └ | telocyte |
| LMMA_00386 | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00306 | | | | | └ | pulmonary vein tunica adventitia |
| LMMA_00395 | | | | | └ | vasa vasorum |
| LMMA_00440 | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | └ | reticular cell |
| LMMA_00356 | | | | | └ | telocyte |
| LMMA_00386 | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00316 | | | | | └ | pulmonary venule |
| LMMA_00309 | | | | | └ | pulmonary muscular venule |
| LMMA_00311 | | | | | └ | pulmonary muscular venule tunica intima |
| LMMA_00403 | | | | | └ | venule endothelium |
| LMMA_00089 | | | | | └ | basement membrane |
| LMMA_00392 | | | | | └ | vascular endothelial cell |
| LMMA_00378 | | | | | └ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | └ | pericyte |
| LMMA_00356 | | | | | └ | telocyte |
| LMMA_00440 | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | └ | reticular cell |
| LMMA_00356 | | | | | └ | telocyte |
| LMMA_00386 | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00312 | | | | | └ | pulmonary muscular venule tunica media |
| LMMA_00393 | | | | | └ | vascular smooth muscle |

| | | | | | | |
|------------|--|--|--|--|--|--|
| LMMA_00220 | | | | | | └ lymphatic vessel tunica adventitia |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |

LMMA_00210 lower respiratory tract – P04-P30 (alveolar stage of mouse lung development)

| | |
|-------------------|--|
| LMMA_00361 | trachea |
| LMMA_00362 | └ trachea bifurcation |
| LMMA_00365 | └ trachea lumen |
| LMMA_00366 | └ trachea wall |
| LMMA_00415 | └ tracheal mucosa |
| LMMA_00414 | └ tracheal epithelium |
| LMMA_00089 | └ basement membrane |
| LMMA_00590 | └ tracheal epithelial cell |
| LMMA_00087 | └ basal cell |
| LMMA_00125 | └ chemosensory cell (syn: brush cell) |
| LMMA_00142 | └ ciliated cell |
| LMMA_00143 | └ club cell (syn: Clara cell; nonciliated secretory cell; bronchiolar exocrine cell) |
| LMMA_00526 | └ intermediate airway progenitor cell |
| LMMA_00238 | └ mucus cell (syn: mucous cell) |
| LMMA_00252 | └ neuroendocrine cell |
| LMMA_00340 | └ serous cell |
| LMMA_00384 | └ unclassified epithelial cell |
| LMMA_00483 | └ tracheal lamina propria |
| LMMA_00136 | └ connective tissue cell |
| LMMA_00685 | └ reticular cell |
| LMMA_00356 | └ telocyte |
| LMMA_00386 | └ unclassified fibroblast |
| LMMA_00168 | └ extracellular matrix |
| LMMA_00145 | └ collagen fiber |
| LMMA_00158 | └ elastic fiber |
| LMMA_00180 | └ ground substance |
| LMMA_00529 | └ glycosaminoglycan |
| LMMA_00178 | └ glycoprotein |
| LMMA_00283 | └ proteoglycan |
| LMMA_00320 | └ reticular fiber |
| LMMA_00416 | └ tracheal submucosa |
| LMMA_00047 | └ submucosal gland |
| LMMA_00351 | └ submucosal gland epithelium |
| LMMA_00089 | └ basement membrane |
| LMMA_00694 | └ submucosal gland epithelial cell |
| LMMA_00238 | └ mucus cell (syn: mucous cell) |
| LMMA_00340 | └ serous cell |
| LMMA_00242 | └ myoepithelial cell |
| LMMA_00455 | └ submucosal gland duct epithelium |
| LMMA_00087 | └ basal cell |
| LMMA_00089 | └ basement membrane |
| LMMA_00693 | └ submucosal gland duct epithelial cell |
| LMMA_00087 | └ basal cell |
| LMMA_00125 | └ chemosensory cell (syn: brush cell) |
| LMMA_00142 | └ ciliated cell |
| LMMA_00146 | └ collecting duct cell |
| LMMA_00606 | └ tracheal cartilaginous ring |
| LMMA_00592 | └ annular ligament |
| LMMA_00183 | └ hyaline cartilage |

| | | | | | |
|-------------------|--|--|--|--|---|
| LMMA_00141 | | | | | └ chondrocyte |
| LMMA_00168 | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | └ collagen fiber |
| LMMA_00158 | | | | | └ elastic fiber |
| LMMA_00180 | | | | | └ ground substance |
| LMMA_00529 | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | └ glycoprotein |
| LMMA_00283 | | | | | └ proteoglycan |
| LMMA_00320 | | | | | └ reticular fiber |
| LMMA_00370 | | | | | └ trachealis muscle (syn: membranous trachea) |
| LMMA_00343 | | | | | └ smooth muscle cell |
| LMMA_00410 | | | | | └ fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) |
| LMMA_00412 | | | | | └ perichondrium |
| LMMA_00136 | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | └ reticular cell |
| LMMA_00356 | | | | | └ telocyte |
| LMMA_00386 | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | └ collagen fiber |
| LMMA_00158 | | | | | └ elastic fiber |
| LMMA_00180 | | | | | └ ground substance |
| LMMA_00529 | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | └ glycoprotein |
| LMMA_00283 | | | | | └ proteoglycan |
| LMMA_00320 | | | | | └ reticular fiber |
| LMMA_00367 | | | | | └ tracheal adventitia |
| LMMA_00055 | | | | | └ adipose tissue |
| LMMA_00054 | | | | | └ adipocyte |
| LMMA_00136 | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | └ reticular cell |
| LMMA_00356 | | | | | └ telocyte |
| LMMA_00386 | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | └ collagen fiber |
| LMMA_00158 | | | | | └ elastic fiber |
| LMMA_00180 | | | | | └ ground substance |
| LMMA_00529 | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | └ glycoprotein |
| LMMA_00283 | | | | | └ proteoglycan |
| LMMA_00120 | | | | | bronchus |
| LMMA_00527 | | | | | └ main bronchus (syn: primary bronchus; mainstem bronchus) |
| LMMA_00205 | | | | | └ left lung main bronchus (syn: left lung mainstem bronchus; left lung primary bronchus) |
| LMMA_00329 | | | | | └ right lung main bronchus (syn: right lung primary bronchus; right lung mainstem bronchus) |
| LMMA_00528 | | | | | └ lobar bronchus (syn: secondary bronchus) |
| LMMA_00333 | | | | | └ right lung upper lobar bronchus (syn: right cranial lobar bronchus; right apical lobar bromchus) |
| LMMA_00331 | | | | | └ right lung middle lobar bronchus (syn: right cardiac lobar bronchus) |
| LMMA_00325 | | | | | └ right lung lower lobar bronchus (syn: right caudal lobar bronchus; right diaphragmatic lobar bronchus) |
| LMMA_00323 | | | | | └ right lung accessory lobar bronchus (syn: right post-caval lobar bronchus; right infra-cardiac lobar bronchus; right intermediate lobar bronchus) |

Note: The classification scheme for each bronchus above is the same as below.

| | | | | | | |
|------------|--|--|--|--|---|--|
| LMMA_00123 | | | | | └ | bronchus lumen |
| LMMA_00124 | | | | | └ | bronchus wall |
| LMMA_00418 | | | | | └ | bronchial mucosa |
| LMMA_00101 | | | | | └ | bronchial epithelium |
| LMMA_00089 | | | | | └ | basement membrane |
| LMMA_00591 | | | | | └ | bronchial epithelial cell |
| LMMA_00087 | | | | | └ | basal cell |
| LMMA_00125 | | | | | └ | chemosensory cell (syn: brush cell) |
| LMMA_00142 | | | | | └ | ciliated cell |
| LMMA_00143 | | | | | └ | club cell (syn: Clara cell; nonciliated secretory cell; bronchiolar exocrine cell) |
| LMMA_00526 | | | | | └ | intermediate airway progenitor cell |
| LMMA_00238 | | | | | └ | mucus cell (syn: mucous cell) |
| LMMA_00252 | | | | | └ | neuroendocrine cell |
| LMMA_00340 | | | | | └ | serous cell |
| LMMA_00384 | | | | | └ | unclassified epithelial cell |
| LMMA_00481 | | | | | └ | bronchial lamina propria |
| LMMA_00136 | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | └ | reticular cell |
| LMMA_00356 | | | | | └ | telocyte |
| LMMA_00386 | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00482 | | | | | └ | bronchial smooth muscle (syn: peribronchial smooth muscle) |
| LMMA_00343 | | | | | └ | smooth muscle cell |
| LMMA_00419 | | | | | └ | bronchial submucosa |
| LMMA_00133 | | | | | └ | bronchial cartilaginous ring (syn: cartilage ring; cartilage; cartilaginous ring) |
| LMMA_00482 | | | | | └ | bronchial smooth muscle (syn: peribronchial smooth muscle) |
| LMMA_00343 | | | | | └ | smooth muscle cell |
| LMMA_00183 | | | | | └ | hyaline cartilage |
| LMMA_00141 | | | | | └ | chondrocyte |
| LMMA_00168 | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00410 | | | | | └ | fibroelastic membrane (syn: fibroelastic tissue; fibroelastic connective tissue) |
| LMMA_00412 | | | | | └ | perichondrium |
| LMMA_00592 | | | | | └ | annular ligament |
| LMMA_00136 | | | | | └ | connective tissue cell |
| LMMA_00356 | | | | | └ | telocyte |

LMMA_00320 | | | | | | | | | reticular fiber

LMMA_00046 | | | right upper lobe visceral pleura

LMMA_00405 | | | | | | | | | visceral connective tissue

LMMA_00136 | | | | | | | | | connective tissue cell

LMMA_00685 | | | | | | | | | reticular cell

LMMA_00685 | | | | | | | | | reticular cell

LMMA_00356 | | | | | | | | | telocyte

LMMA_00386 | | | | | | | | | unclassified fibroblast

LMMA_00168 | | | | | | | | | extracellular matrix

LMMA_00145 | | | | | | | | | collagen fiber

LMMA_00158 | | | | | | | | | elastic fiber

LMMA_00180 | | | | | | | | | ground substance

LMMA_00529 | | | | | | | | | glycosaminoglycan

LMMA_00178 | | | | | | | | | glycoprotein

LMMA_00283 | | | | | | | | | proteoglycan

LMMA_00320 | | | | | | | | | reticular fiber

LMMA_00386 | | | | | | | | | unclassified fibroblast

LMMA_00406 | | | | | | | | | visceral mesothelium

LMMA_00089 | | | | | | | | | basement membrane

LMMA_00231 | | | | | | | | | mesothelial cell

LMMA_00520 respiratory autonomic nervous system (syn: autonomic respiratory nervous system)

LMMA_00641 | | | | | | | | | pulmonary autonomic nerve

LMMA_00257 | | | | | | | | | non-adrenergic and non-cholinergic nerve (syn: sensory nerve)

LMMA_00247 | | | | | | | | | nerve fiber

LMMA_00338 | | | | | | | | | glial cell (syn: neuroglial cell; Schwann cell)

LMMA_00270 | | | | | | | | | postganglionic parasympathetic nerve (syn: cholinergic innervation)

LMMA_00247 | | | | | | | | | nerve fiber

LMMA_00338 | | | | | | | | | glial cell (syn: neuroglial cell; Schwann cell)

LMMA_00352 | | | | | | | | | postganglionic sympathetic nerve (syn: adrenergic innervation)

LMMA_00247 | | | | | | | | | nerve fiber

LMMA_00338 | | | | | | | | | glial cell (syn: neuroglial cell; Schwann cell)

LMMA_00642 | | | | | | | | | preganglionic parasympathetic nerve

LMMA_00247 | | | | | | | | | nerve fiber

LMMA_00338 | | | | | | | | | glial cell (syn: neuroglial cell; Schwann cell)

LMMA_00634 | | | | | | | | | pulmonary autonomic ganglion (syn: nerve cell cluster)

LMMA_00521 | | | | | | | | | autonomic neuron (syn: autonomic ganglion cell; autonomic ganglion neuron))

LMMA_00338 | | | | | | | | | glial cell (syn: neuroglial cell; Schwann cell)

LMMA_00633 | | | | | | | | | pulmonary nerve plexus

LMMA_00635 | | | | | | | | | left pulmonary nerve plexus

LMMA_00636 | | | | | | | | | left anterior pulmonary nerve plexus

LMMA_00637 | | | | | | | | | left posterior pulmonary nerve plexus

LMMA_00638 | | | | | | | | | right pulmonary nerve plexus

LMMA_00639 | | | | | | | | | right anterior pulmonary nerve plexus

LMMA_00640 | | | | | | | | | right posterior pulmonary nerve plexus

LMMA_00643 | | | | | | | | | general visceral nervous system

LMMA_00644 | | | | | | | | | general visceral afferent nerve (syn: sensory nerve)

LMMA_00247 | | | | | | | | | nerve fiber

LMMA_00338 | | | | | | | | | glial cell (syn: neuroglial cell; Schwann cell)

LMMA_00645 | | | | | | | | | visceral afferent sensory nerve terminal (syn: visceral afferent sensory nerve receptor)

LMMA_00522 respiratory immune system

LMMA_00185 ┆ immune cell

LMMA_00735 | ┆ T cell 1

LMMA_00736 | ┆ T cell 2

LMMA_00150 | ┆ dendritic cell

LMMA_00676 | | ┆ Langerhans cell

LMMA_00241 | ┆ myeloid cell

LMMA_00179 | | ┆ granulocyte

LMMA_00090 | | | ┆ basophil (syn: basophilic leukocyte; basophilic granulocyte)

LMMA_00163 | | | ┆ eosinophil

LMMA_00256 | | | ┆ neutrophil

LMMA_00182 | | ┆ macrophage (syn: histiocyte)

LMMA_00226 | | | ┆ alveolar macrophage

LMMA_00213 | | | ┆ interstitial macrophage (syn: lung tissue macrophage; pulmonary interstitial macrophage)

LMMA_00698 | | | ┆ lymph node macrophage

LMMA_00227 | | ┆ mast cell

LMMA_00613 | | ┆ megakaryocyte

LMMA_00668 | | | ┆ platelet

LMMA_00233 | | ┆ monocyte

LMMA_00742 | | ┆ neutrophil, Lgals3-negative myeloid

LMMA_00614 | ┆ lymphoid cell

LMMA_00620 | | ┆ innate lymphoid cell

LMMA_00245 | | | ┆ natural killer cell (syn: non-T, non-B lymphocyte; large granular lymphocyte)

LMMA_00437 | | | ┆ nuocyte

LMMA_00223 | | ┆ lymphocyte

LMMA_00086 | | | ┆ B Lymphocyte (syn: B cell)

LMMA_00677 | | | | ┆ plasma cell (syn: mature B lymphocyte)

LMMA_00354 | | | ┆ T Lymphocyte (syn: T cell)

LMMA_00816 | | | ┆ peripheral blood lymphocytes

LMMA_00626 ┆ lymphoid tissue

LMMA_00475 | ┆ bronchus associated lymphoid tissue

LMMA_00086 | | ┆ B Lymphocyte (syn: B cell)

LMMA_00677 | | | ┆ plasma cell (syn: mature B lymphocyte)

LMMA_00354 | | ┆ T Lymphocyte (syn: T cell)

LMMA_00224 | ┆ lymph node

LMMA_00678 | | ┆ connective tissue capsule

LMMA_00679 | | | ┆ trabecula

LMMA_00680 | | ┆ cortex

LMMA_00681 | | | ┆ primary lymphoid follicle

LMMA_00699 | | | | ┆ germinal center (syn: central zone of follicle; reactive center of follicle)

LMMA_00086 | | | | ┆ B Lymphocyte (syn: B cell)

LMMA_00677 | | | | | ┆ plasma cell (syn: mature B lymphocyte)

LMMA_00686 | | ┆ endothelial sinus

LMMA_00687 | | | ┆ cortical sinus

LMMA_00688 | | | ┆ medullary sinus

LMMA_00689 | | | ┆ paratrabecular sinus (syn: trabecular sinus)

LMMA_00690 | | | ┆ subcapsular sinus

LMMA_00223 | | ┆ lymphocyte

LMMA_00086 | | | ┆ B Lymphocyte (syn: B cell)

LMMA_00677 | | | | ┆ plasma cell (syn: mature B lymphocyte)

LMMA_00354 | | | ┆ T Lymphocyte (syn: T cell)

LMMA_00816 | | | | † peripheral blood lymphocytes
 LMMA_00682 | | | † medulla
 LMMA_00683 | | | | † medullary cord
 LMMA_00086 | | | | | † B Lymphocyte (syn: B cell)
 LMMA_00677 | | | | | † plasma cell (syn: mature B lymphocyte)
 LMMA_00698 | | | | | † lymphoid macrophage
 LMMA_00684 | | | † paracortex (syn: subcortical zone, interfollicular area of the lymph node)
 LMMA_00685 | | | | † reticular cell
 LMMA_00354 | | | | † T Lymphocyte (syn: T cell)

LMMA_00523 † respiratory vascular system (syn: vascular system; vasculature)

LMMA_00692 † blood cell

LMMA_00619 | † erythrocyte
 LMMA_00179 | † granulocyte
 LMMA_00090 | | † basophil (syn: basophilic leukocyte; basophilic granulocyte)
 LMMA_00163 | | † eosinophil
 LMMA_00256 | | † neutrophil
 LMMA_00233 | † monocyte
 LMMA_00819 | † peripheral blood lymphocyte

LMMA_00104 † bronchial blood vessel

LMMA_00098 | † bronchial artery
LMMA_00095 | † bronchial arteriole
LMMA_00105 | † bronchial vein
LMMA_00109 | † bronchial venule
LMMA_00519 | † bronchial capillary
 LMMA_00293 | | † capillary tunica intima
 LMMA_00378 | | | † subendothelial connective tissue cell
 LMMA_00273 | | | | † pericyte
 LMMA_00356 | | | | † telocyte
 LMMA_00440 | | | † vascular connective tissue (syn: perivascular connective tissue)
 LMMA_00136 | | | | † connective tissue cell
 LMMA_00685 | | | | | † reticular cell
 LMMA_00356 | | | | | † telocyte
 LMMA_00386 | | | | | † unclassified fibroblast
 LMMA_00168 | | | | † extracellular matrix
 LMMA_00145 | | | | | † collagen fiber
 LMMA_00158 | | | | | † elastic fiber
 LMMA_00180 | | | | | † ground substance
 LMMA_00529 | | | | | † glycosaminoglycan
 LMMA_00178 | | | | | † glycoprotein
 LMMA_00283 | | | | | † proteoglycan
 LMMA_00320 | | | | | † reticular fiber
 LMMA_00292 | | † capillary tunica adventitia
 LMMA_00440 | | | † vascular connective tissue (syn: perivascular connective tissue)
 LMMA_00136 | | | | † connective tissue cell
 LMMA_00685 | | | | | † reticular cell
 LMMA_00356 | | | | | † telocyte
 LMMA_00386 | | | | | † unclassified fibroblast
 LMMA_00168 | | | | † extracellular matrix

| | | | | | | |
|------------|--|--|--|--|--|---------------------|
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |

Note: the classification schema for “bronchial blood vessel” is as follows:

- The classification scheme for the “bronchial artery” is the same as for the “pulmonary muscular artery” below
- The classification scheme for the “bronchial arteriole” is the same as for the “pulmonary distal arteriole” below
- The classification scheme for the “bronchial venule” is the same as for the “pulmonary vein” (does not include the “vasa vasorum”) below
- The classification scheme for the “bronchial artery” is the same as for the “pulmonary distal venule” below

| | | | | | | |
|------------|--|--|--|--|--|--|
| LMMA_00315 | | | | | | └ pulmonary blood vessel |
| LMMA_00632 | | | | | | └ intra-parenchymal blood vessel |
| LMMA_00291 | | | | | | └ pulmonary artery |
| LMMA_00293 | | | | | | └ pulmonary artery tunica intima |
| LMMA_00081 | | | | | | └ artery endothelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00616 | | | | | | └ arterial endothelial cell |
| LMMA_00191 | | | | | | └ internal elastic membrane |
| LMMA_00378 | | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ pericyte |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00294 | | | | | | └ pulmonary artery tunica media |
| LMMA_00167 | | | | | | └ external elastic membrane |
| LMMA_00393 | | | | | | └ vascular smooth muscle |
| LMMA_00343 | | | | | | └ smooth muscle cell |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |

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|-------------------|--|--|--|--|--|--|
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00306 | | | | | | └ pulmonary vein tunica adventitia |
| LMMA_00395 | | | | | | └ vasa vasorum |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00316 | | | | | | └ pulmonary venule |
| LMMA_00309 | | | | | | └ pulmonary muscular venule |
| LMMA_00311 | | | | | | └ pulmonary muscular venule tunica intima |
| LMMA_00403 | | | | | | └ venule endothelium |
| LMMA_00089 | | | | | | └ basement membrane |
| LMMA_00392 | | | | | | └ vascular endothelial cell |
| LMMA_00378 | | | | | | └ subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ pericyte |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00440 | | | | | | └ vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ connective tissue cell |
| LMMA_00685 | | | | | | └ reticular cell |
| LMMA_00356 | | | | | | └ telocyte |
| LMMA_00386 | | | | | | └ unclassified fibroblast |
| LMMA_00168 | | | | | | └ extracellular matrix |
| LMMA_00145 | | | | | | └ collagen fiber |
| LMMA_00158 | | | | | | └ elastic fiber |
| LMMA_00180 | | | | | | └ ground substance |
| LMMA_00529 | | | | | | └ glycosaminoglycan |
| LMMA_00178 | | | | | | └ glycoprotein |
| LMMA_00283 | | | | | | └ proteoglycan |
| LMMA_00320 | | | | | | └ reticular fiber |
| LMMA_00312 | | | | | | └ pulmonary muscular venule tunica media |
| LMMA_00393 | | | | | | └ vascular smooth muscle |
| LMMA_00343 | | | | | | └ smooth muscle cell |
| LMMA_00399 | | | | | | └ venous cardiac muscle |
| LMMA_00132 | | | | | | └ cardiomyocyte (syn: cardiac myocyte) |

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|-------------------|--|--|--|--|--|---|--|
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00310 | | | | | | └ | pulmonary muscular venule tunica adventitia |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00301 | | | | | | └ | pulmonary distal venule |
| LMMA_00303 | | | | | | └ | pulmonary distal venule tunica intima |
| LMMA_00403 | | | | | | └ | venule endothelium |
| LMMA_00089 | | | | | | └ | basement membrane |
| LMMA_00392 | | | | | | └ | vascular endothelial cell |
| LMMA_00378 | | | | | | └ | subendothelial connective tissue cell |
| LMMA_00273 | | | | | | └ | pericyte |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |
| LMMA_00685 | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | └ | reticular fiber |
| LMMA_00302 | | | | | | └ | pulmonary distal venule tunica adventitia |
| LMMA_00440 | | | | | | └ | vascular connective tissue (syn: perivascular connective tissue) |
| LMMA_00136 | | | | | | └ | connective tissue cell |

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|-------------------|--|---|-----------------------------------|------------------------------------|--|--|---|-------------------------|
| LMMA_00685 | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |
| LMMA_00447 | | └ | pulmonary lymphatic vessel | | | | | |
| LMMA_00221 | | | └ | lymphatic vessel tunica intima | | | | |
| LMMA_00422 | | | └ | lymphatic endothelium | | | | |
| LMMA_00089 | | | | └ | basement membrane | | | |
| LMMA_00216 | | | | └ | lymphatic endothelial cell | | | |
| LMMA_00378 | | | | └ | subendothelial connective tissue cell | | | |
| LMMA_00273 | | | | └ | pericyte | | | |
| LMMA_00356 | | | | └ | telocyte | | | |
| LMMA_00440 | | | | └ | vascular connective tissue (syn: perivascular connective tissue) | | | |
| LMMA_00136 | | | | └ | connective tissue cell | | | |
| LMMA_00685 | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |
| LMMA_00222 | | | └ | lymphatic vessel tunica media | | | | |
| LMMA_00217 | | | └ | lymphatic smooth muscle | | | | |
| LMMA_00343 | | | | └ | smooth muscle cell | | | |
| LMMA_00440 | | | | └ | vascular connective tissue (syn: perivascular connective tissue) | | | |
| LMMA_00136 | | | | └ | connective tissue cell | | | |
| LMMA_00685 | | | | | | | └ | reticular cell |
| LMMA_00356 | | | | | | | └ | telocyte |
| LMMA_00386 | | | | | | | └ | unclassified fibroblast |
| LMMA_00168 | | | | | | | └ | extracellular matrix |
| LMMA_00145 | | | | | | | └ | collagen fiber |
| LMMA_00158 | | | | | | | └ | elastic fiber |
| LMMA_00180 | | | | | | | └ | ground substance |
| LMMA_00529 | | | | | | | └ | glycosaminoglycan |
| LMMA_00178 | | | | | | | └ | glycoprotein |
| LMMA_00283 | | | | | | | └ | proteoglycan |
| LMMA_00320 | | | | | | | └ | reticular fiber |
| LMMA_00220 | | | └ | lymphatic vessel tunica adventitia | | | | |
| LMMA_00440 | | | | └ | vascular connective tissue (syn: perivascular connective tissue) | | | |
| LMMA_00136 | | | | └ | connective tissue cell | | | |

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|------------|--|--|--|--|--|---|-------------------------|
| LMMA_00685 | | | | | | ┆ | reticular cell |
| LMMA_00356 | | | | | | ┆ | telocyte |
| LMMA_00386 | | | | | | ┆ | unclassified fibroblast |
| LMMA_00168 | | | | | | ┆ | extracellular matrix |
| LMMA_00145 | | | | | | ┆ | collagen fiber |
| LMMA_00158 | | | | | | ┆ | elastic fiber |
| LMMA_00180 | | | | | | ┆ | ground substance |
| LMMA_00529 | | | | | | ┆ | glycosaminoglycan |
| LMMA_00178 | | | | | | ┆ | glycoprotein |
| LMMA_00283 | | | | | | ┆ | proteoglycan |
| LMMA_00320 | | | | | | ┆ | reticular fiber |