

The LMMA ID is a 10-digit number (e.g. LMHA000000590). Here we use an abbreviated form, "LMMA . . 3 digits" (e.g., LMMA . . 590), for easy viewing.

This version combines the cell type classification with the tissue organization of the cell types to support the anatomical ontology, e.g. "unclassified fibroblast", is a child of "fibroblast" by classification, and is also listed under "connective tissue cell" by tissue organization.

E16.5 (early canalicular stage of mouse lung development)

LMMA . . 054		adipocyte
LMMA . . 521		autonomic neuron
LMMA . . 692		blood cell
LMMA . . 618		erythroid cell
LMMA . . 619		erythrocyte
LMMA . . 141		chondrocyte
LMMA . . 136		connective tissue cell
LMMA . . 685		reticular cell
LMMA . . 356		telocyte
LMMA . . 386		unclassified fibroblast
LMMA . . 161		endothelial cell
LMMA . . 616		arterial endothelial cell
LMMA . . 216		lymphatic endothelial cell
LMMA . . 656		matrix endothelial cell
LMMA . . 657		mature endothelial cell
LMMA . . 617		proliferative endothelial cell
LMMA . . 392		vascular endothelial cell
LMMA . . 507		venous endothelial cell
LMMA . . 164		epithelial cell
LMMA . . 591		bronchial epithelial cell
LMMA . . 087		basal cell
LMMA . . 142		ciliated cell
LMMA . . 476		ciliated cell precursor
LMMA . . 184		immature club cell
LMMA . . 526		intermediate airway progenitor cell
LMMA . . 238		mucus cell
LMMA . . 252		neuroendocrine cell
LMMA . . 599		proliferative epithelial cell
LMMA . . 340		serous cell
LMMA . . 384		unclassified epithelial cell
LMMA . . 582		bronchiolar epithelial cell
LMMA . . 142		ciliated cell
LMMA . . 476		ciliated cell precursor

LMMA .. 184 | | | immature club cell
 LMMA .. 252 | | | neuroendocrine cell
 LMMA .. 253 | | | neuroepithelial body
 LMMA .. 252 | | | neuroendocrine cell
 LMMA .. 599 | | | proliferative epithelial cell
 LMMA .. 384 | | | unclassified epithelial cell
 LMMA .. 672 | | | pre-alveolar epithelial cell
 LMMA .. 052 | | | acinar epithelial cell
 LMMA .. 572 | | | distal acinar tubule epithelial cell
 LMMA .. 599 | | | proliferative epithelial cell
 LMMA .. 380 | | | type I pneumocyte precursor cell
 LMMA .. 382 | | | type II pneumocyte precursor cell
 LMMA .. 662 | | | noncycling AT1 precursor
 LMMA .. 660 | | | noncycling AT2 precursor
 LMMA .. 661 | | | proliferative AT1 early precursor
 LMMA .. 659 | | | proliferative AT2 early precursor
 LMMA .. 573 | | | proximal acinar tubule epithelial cell
 LMMA .. 187 | | | intermediate pneumocyte (syn: bi-potential pneumocyte)
 LMMA .. 599 | | | proliferative epithelial cell
 LMMA .. 380 | | | type I pneumocyte precursor cell
 LMMA .. 382 | | | type II pneumocyte precursor cell
 LMMA .. 691 | | | uncommitted AT progenitor
 LMMA .. 590 | | | tracheal epithelial cell
 LMMA .. 087 | | | basal cell
 LMMA .. 142 | | | ciliated cell
 LMMA .. 476 | | | ciliated cell precursor
 LMMA .. 184 | | | immature club cell
 LMMA .. 526 | | | intermediate airway progenitor cell
 LMMA .. 238 | | | mucus cell
 LMMA .. 252 | | | neuroendocrine cell
 LMMA .. 340 | | | serous cell
 LMMA .. 599 | | | proliferative epithelial cell
 LMMA .. 384 | | | unclassified epithelial cell
 LMMA .. 169 | | | fibroblast
 LMMA .. 663 | | | early fibroblast progenitor
 LMMA .. 188 | | | intermediate fibroblast
 LMMA .. 649 | | | intermediate matrix fibroblast
 LMMA .. 007 | | | matrix fibroblast
 LMMA .. 650 | | | mature matrix fibroblast 1
 LMMA .. 651 | | | mature matrix fibroblast 2
 LMMA .. 647 | | | migrating myofibroblast

LMMA . . 243 | | myofibroblast
 LMMA . . 607 | | proliferative fibroblast
 LMMA . . 608 | | proliferative myofibroblast
 LMMA . . 648 | | smooth muscle-like myofibroblast
 LMMA . . 386 | | unclassified fibroblast
 LMMA . . 338 | | glial cell
 LMMA . . 185 | | immune cell
 LMMA . . 614 | | lymphoid cell
 LMMA . . 241 | | myeloid cell
 LMMA . . 478 | | | fetal monocyte
 LMMA . . 665 | | | mature myeloid cell
 LMMA . . 664 | | | proliferative myeloid cell
 LMMA . . 613 | | | megakaryocyte
 LMMA . . 668 | | | | platelet
 LMMA . . 192 | | interstitial cell
 LMMA . . 137 | | | pre-alveolar interstitial cell
 LMMA . . 007 | | | matrix fibroblast
 LMMA . . 243 | | | myofibroblast
 LMMA . . 273 | | | pericyte
 LMMA . . 607 | | | proliferative fibroblast
 LMMA . . 598 | | | proliferative interstitial cell
 LMMA . . 282 | | | proliferative mesenchymal progenitor
 LMMA . . 608 | | | proliferative myofibroblast
 LMMA . . 356 | | | telocyte
 LMMA . . 386 | | | unclassified fibroblast
 LMMA . . 695 | | isolated lung cell types
 LMMA . . 663 | | | early fibroblast progenitor
 LMMA . . 188 | | | intermediate fibroblast
 LMMA . . 656 | | | matrix endothelial cell
 LMMA . . 657 | | | mature endothelial cell
 LMMA . . 650 | | | mature matrix fibroblast 1
 LMMA . . 651 | | | mature matrix fibroblast 2
 LMMA . . 665 | | | mature myeloid cell
 LMMA . . 647 | | | migrating myofibroblast
 LMMA . . 662 | | | noncycling AT1 precursor
 LMMA . . 660 | | | noncycling AT2 precursor
 LMMA . . 273 | | | pericyte
 LMMA . . 661 | | | proliferative AT1 early precursor
 LMMA . . 659 | | | proliferative AT2 early precursor
 LMMA . . 617 | | | proliferative endothelial cell
 LMMA . . 664 | | | proliferative myeloid cell

LMMA .. 608 | | proliferative myofibroblast
 LMMA .. 648 | | smooth muscle-like myofibroblast
 LMMA .. 691 | | uncommitted AT progenitor
 LMMA .. 231 | | mesothelial cell
 LMMA .. 627 | | muscle cell
 LMMA .. 132 | | cardiomyocyte
 LMMA .. 655 | | proliferative smooth muscle cell
 LMMA .. 343 | | smooth muscle cell
 LMMA .. 671 | | proliferative cell
 LMMA .. 378 | | subendothelial connective tissue cell
 LMMA .. 273 | | pericyte
 LMMA .. 356 | | telocyte

E18.5 (early saccular stage of mouse lung development)

LMMA .. 054 | | adipocyte
 LMMA .. 521 | | autonomic neuron
 LMMA .. 692 | | blood cell
 LMMA .. 618 | | erythroid cell
 LMMA .. 619 | | erythrocyte
 LMMA .. 141 | | chondrocyte
 LMMA .. 136 | | connective tissue cell
 LMMA .. 685 | | reticular cell
 LMMA .. 356 | | telocyte
 LMMA .. 386 | | unclassified fibroblast
 LMMA .. 161 | | endothelial cell
 LMMA .. 616 | | arterial endothelial cell
 LMMA .. 216 | | lymphatic endothelial cell
 LMMA .. 617 | | proliferative endothelial cell
 LMMA .. 392 | | vascular endothelial cell
 LMMA .. 507 | | venous endothelial cell
 LMMA .. 164 | | epithelial cell
 LMMA .. 591 | | bronchial epithelial cell
 LMMA .. 087 | | basal cell
 LMMA .. 142 | | ciliated cell
 LMMA .. 184 | | immature club cell
 LMMA .. 526 | | intermediate airway progenitor cell
 LMMA .. 238 | | mucus cell
 LMMA .. 252 | | neuroendocrine cell
 LMMA .. 340 | | serous cell
 LMMA .. 384 | | unclassified epithelial cell
 LMMA .. 582 | | bronchiolar epithelial cell

LMMA . . 142 | | | ciliated cell
 LMMA . . 184 | | | immature club cell
 LMMA . . 252 | | | neuroendocrine cell
 LMMA . . 253 | | | neuroepithelial body
 LMMA . . 252 | | | neuroendocrine cell
 LMMA . . 384 | | | unclassified epithelial cell
 LMMA . . 672 | | | pre-alveolar epithelial cell
 LMMA . . 576 | | | terminal sacculle epithelial cell
 LMMA . . 666 | | | immature type I pneumocyte
 LMMA . . 667 | | | immature type II pneumocyte
 LMMA . . 187 | | | intermediate pneumocyte
 LMMA . . 379 | | | type I pneumocyte
 LMMA . . 381 | | | type II pneumocyte
 LMMA . . 612 | | | transitory duct epithelial cell
 LMMA . . 666 | | | immature type I pneumocyte
 LMMA . . 667 | | | immature type II pneumocyte
 LMMA . . 187 | | | intermediate pneumocyte
 LMMA . . 379 | | | type I pneumocyte
 LMMA . . 381 | | | type II pneumocyte
 LMMA . . 590 | | | tracheal epithelial cell
 LMMA . . 087 | | | basal cell
 LMMA . . 142 | | | ciliated cell
 LMMA . . 184 | | | immature club cell
 LMMA . . 526 | | | intermediate airway progenitor cell
 LMMA . . 238 | | | mucus cell
 LMMA . . 252 | | | neuroendocrine cell
 LMMA . . 340 | | | serous cell
 LMMA . . 384 | | | unclassified epithelial cell
 LMMA . . 169 | | | fibroblast
 LMMA . . 209 | | | lipofibroblast
 LMMA . . 649 | | | matrix fibroblast
 LMMA . . 243 | | | myofibroblast
 LMMA . . 607 | | | proliferative fibroblast
 LMMA . . 608 | | | proliferative myofibroblast
 LMMA . . 386 | | | unclassified fibroblast
 LMMA . . 338 | | | glial cell
 LMMA . . 185 | | | immune cell
 LMMA . . 614 | | | lymphoid cell
 LMMA . . 241 | | | myeloid cell
 LMMA . . 182 | | | macrophage
 LMMA . . 609 | | | immature macrophage

LMMA .. 213 | | | † interstitial macrophage
 LMMA .. 613 | | † megakaryocyte
 LMMA .. 668 | | | † platelet
 LMMA .. 192 † interstitial cell
 LMMA .. 587 | † pre-alveolar sacculle interstitial cell
 LMMA .. 649 | | † matrix fibroblast
 LMMA .. 243 | | † myofibroblast
 LMMA .. 273 | | † pericyte
 LMMA .. 607 | | † proliferative fibroblast
 LMMA .. 598 | | † proliferative interstitial cell
 LMMA .. 608 | | † proliferative myofibroblast
 LMMA .. 356 | | † telocyte
 LMMA .. 386 | | † unclassified fibroblast
 LMMA .. 231 † mesothelial cell
 LMMA .. 627 † muscle cell
 LMMA .. 132 | † cardiomyocyte
 LMMA .. 343 | † smooth muscle cell
 LMMA .. 671 † proliferative cell
 LMMA .. 378 † subendothelial connective tissue cell
 LMMA .. 273 | † pericyte
 LMMA .. 356 | † telocyte

P0 to P03 (mid-to-late saccular stage of mouse lung development)

LMMA .. 054 † adipocyte
 LMMA .. 521 † autonomic neuron
 LMMA .. 692 † blood cell
 LMMA .. 618 | † erythroid cell
 LMMA .. 619 | | † erythrocyte
 LMMA .. 141 † chondrocyte
 LMMA .. 136 † connective tissue cell
 LMMA .. 685 | † reticular cell
 LMMA .. 356 | † telocyte
 LMMA .. 386 | † unclassified fibroblast
 LMMA .. 161 † endothelial cell
 LMMA .. 616 | † arterial endothelial cell
 LMMA .. 216 | † lymphatic endothelial cell
 LMMA .. 392 | † vascular endothelial cell
 LMMA .. 507 | † venous endothelial cell
 LMMA .. 164 † epithelial cell
 LMMA .. 574 | † alveolar epithelial cell
 LMMA .. 187 | | † intermediate pneumocyte (syn: bi-potential pneumocyte)

LMMA . . 379 | | † type I pneumocyte
 LMMA . . 381 | | † type II pneumocyte
 LMMA . . 591 | † bronchial epithelial cell
 LMMA . . 087 | | † basal cell
 LMMA . . 125 | | † chemosensory cell
 LMMA . . 142 | | † ciliated cell
 LMMA . . 184 | | † immature club cell
 LMMA . . 526 | | † intermediate airway progenitor cell
 LMMA . . 238 | | † mucus cell
 LMMA . . 252 | | † neuroendocrine cell
 LMMA . . 340 | | † serous cell
 LMMA . . 384 | | † unclassified epithelial cell
 LMMA . . 582 | † bronchiolar epithelial cell
 LMMA . . 142 | | † ciliated cell
 LMMA . . 184 | | † immature club cell
 LMMA . . 252 | | † neuroendocrine cell
 LMMA . . 253 | | † neuroepithelial body
 LMMA . . 252 | | | † neuroendocrine cell
 LMMA . . 384 | | † unclassified epithelial cell
 LMMA . . 391 | | † variant club cell
 LMMA . . 590 | † tracheal epithelial cell
 LMMA . . 087 | | † basal cell
 LMMA . . 125 | | † chemosensory cell
 LMMA . . 142 | | † ciliated cell
 LMMA . . 184 | | † immature club cell
 LMMA . . 526 | | † intermediate airway progenitor cell
 LMMA . . 238 | | † mucus cell
 LMMA . . 252 | | † neuroendocrine cell
 LMMA . . 340 | | † serous cell
 LMMA . . 384 | | † unclassified epithelial cell
 LMMA . . 169 | † fibroblast
 LMMA . . 209 | † lipofibroblast
 LMMA . . 649 | † matrix fibroblast
 LMMA . . 243 | † myofibroblast
 LMMA . . 607 | † proliferative fibroblast
 LMMA . . 386 | † unclassified fibroblast
 LMMA . . 338 | † glial cell
 LMMA . . 185 | † immune cell
 LMMA . . 150 | † dendritic cell
 LMMA . . 676 | | † Langerhans cell
 LMMA . . 614 | † lymphoid cell

LMMA .. 620 | | | innate lymphoid cell
 LMMA .. 245 | | | natural killer cell
 LMMA .. 437 | | | nuocyte
 LMMA .. 223 | | | lymphocyte
 LMMA .. 086 | | | B lymphocyte
 LMMA .. 677 | | | plasma cell
 LMMA .. 354 | | | T lymphocyte
 LMMA .. 241 | | myeloid cell
 LMMA .. 179 | | | granulocyte
 LMMA .. 090 | | | basophil
 LMMA .. 163 | | | eosinophil
 LMMA .. 256 | | | neutrophil
 LMMA .. 182 | | | macrophage
 LMMA .. 226 | | | alveolar macrophage
 LMMA .. 698 | | | lymphoid macrophage
 LMMA .. 213 | | | interstitial macrophage
 LMMA .. 227 | | | mast cell
 LMMA .. 613 | | | megakaryocyte
 LMMA .. 668 | | | platelet
 LMMA .. 233 | | | monocyte
 LMMA .. 192 | | interstitial cell
 LMMA .. 066 | | | alveolar interstitial cell
 LMMA .. 209 | | | lipofibroblast
 LMMA .. 649 | | | matrix fibroblast
 LMMA .. 243 | | | myofibroblast
 LMMA .. 273 | | | pericyte
 LMMA .. 607 | | | proliferative fibroblast
 LMMA .. 598 | | | proliferative interstitial cell
 LMMA .. 356 | | | telocyte
 LMMA .. 465 | | | unclassified alveolar interstitial cell
 LMMA .. 386 | | | unclassified fibroblast
 LMMA .. 231 | | mesothelial cell
 LMMA .. 627 | | muscle cell
 LMMA .. 132 | | | cardiomyocyte
 LMMA .. 343 | | | smooth muscle cell
 LMMA .. 671 | | proliferative cell
 LMMA .. 378 | | subendothelial connective tissue cell
 LMMA .. 273 | | | pericyte
 LMMA .. 356 | | | telocyte

P04-P30 (alveolar stage of mouse lung development)

LMMA .. 146 ||| † collecting duct cell
 LMMA .. 694 || † submucosal gland epithelial cell
 LMMA .. 238 ||| † mucus cell
 LMMA .. 242 ||| † myoepithelial cell
 LMMA .. 340 ||| † serous cell
 LMMA .. 590 || † tracheal epithelial cell
 LMMA .. 087 ||| † basal cell
 LMMA .. 125 ||| † chemosensory cell
 LMMA .. 142 ||| † ciliated cell
 LMMA .. 184 ||| † immature club cell
 LMMA .. 526 ||| † intermediate airway progenitor cell
 LMMA .. 238 ||| † mucus cell
 LMMA .. 252 ||| † neuroendocrine cell
 LMMA .. 340 ||| † serous cell
 LMMA .. 384 ||| † unclassified epithelial cell
 LMMA .. 169 † fibroblast
 LMMA .. 209 || † lipofibroblast
 LMMA .. 649 || † matrix fibroblast
 LMMA .. 243 || † myofibroblast
 LMMA .. 607 || † proliferative fibroblast
 LMMA .. 386 || † unclassified fibroblast
 LMMA .. 338 † glial cell
 LMMA .. 185 † immune cell
 LMMA .. 150 || † dendritic cell
 LMMA .. 676 ||| † Langerhans cell
 LMMA .. 614 || † lymphoid cell
 LMMA .. 620 ||| † innate lymphoid cell
 LMMA .. 245 ||| † natural killer cell
 LMMA .. 437 ||| † nuocyte
 LMMA .. 223 ||| † lymphocyte
 LMMA .. 086 ||| † B lymphocyte
 LMMA .. 677 ||| † plasma cell
 LMMA .. 354 ||| † T lymphocyte
 LMMA .. 241 || † myeloid cell
 LMMA .. 179 ||| † granulocyte
 LMMA .. 090 ||| † basophil
 LMMA .. 163 ||| † eosinophil
 LMMA .. 256 ||| † neutrophil
 LMMA .. 182 ||| † macrophage
 LMMA .. 226 ||| † alveolar macrophage
 LMMA .. 213 ||| † interstitial macrophage

LMMA . . 698 | | | † lymphoid macrophage
LMMA . . 227 | | † mast cell
LMMA . . 613 | | † megakaryocyte
LMMA . . 668 | | | † platelet
LMMA . . 233 | | † monocyte
LMMA . . 192 † interstitial cell
LMMA . . 066 | † alveolar interstitial cell
LMMA . . 209 | | † lipofibroblast
LMMA . . 649 | | † matrix fibroblast
LMMA . . 243 | | † myofibroblast
LMMA . . 273 | | † pericyte
LMMA . . 607 | | † proliferative fibroblast
LMMA . . 598 | | † proliferative interstitial cell
LMMA . . 697 | | † proliferative myofibroblast
LMMA . . 356 | | † telocyte
LMMA . . 386 | | † unclassified fibroblast
LMMA . . 465 | | † unclassified alveolar interstitial cell
LMMA . . 231 † mesothelial cell
LMMA . . 627 † muscle cell
LMMA . . 132 | † cardiomyocyte
LMMA . . 343 | † smooth muscle cell
LMMA . . 671 † proliferative cell
LMMA . . 378 † subendothelial connective tissue cell
LMMA . . 273 | † pericyte
LMMA . . 356 | † telocyte