**LungMAP\_Mouse\_Cell\_Types\_v2.9 2019-05-13**

**E16.5 – E17.5 (early canalicular stage of mouse lung development)**

LMMA \_00521 ┣ autonomic neuron

LMMA \_00692 ┣ blood cell

LMMA \_00619 ┃ ┣ erythrocyte

LMMA \_00816 ┃ ┣ peripheral blood lymphocytes

LMMA \_00136 ┣ connective tissue cell

LMMA \_00685 ┃ ┣ reticular cell

LMMA \_00356 ┃ ┣ telocyte

LMMA \_00386 ┃ ┣ unclassified fibroblast

LMMA \_00161 ┣ endothelial cell

LMMA \_00616 ┃ ┣ arterial endothelial cell

LMMA \_00216 ┃ ┣ lymphatic endothelial cell

LMMA \_00656 ┃ ┣ matrix endothelial cell

LMMA \_00657 ┃ ┣ mature endothelial cell

LMMA \_00617 ┃ ┣ proliferative endothelial cell

LMMA \_00392 ┃ ┣ vascular endothelial cell

LMMA \_00507 ┃ ┣ venous endothelial cell

LMMA \_00164 ┣ epithelial cell

LMMA \_00591 ┃ ┣ bronchial epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00476 ┃ ┃ ┣ ciliated cell precursor

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00599 ┃ ┃ ┣ proliferative epithelial cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00582 ┃ ┣ bronchiolar epithelial cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00476 ┃ ┃ ┣ ciliated cell precursor

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00253 ┃ ┃ ┣ neuroepithelial body

LMMA \_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMMA \_00599 ┃ ┃ ┣ proliferative epithelial cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00672 ┃ ┣ pre-alveolar epithelial cell

LMMA \_00052 ┃ ┃ ┣ acinar epithelial cell

LMMA \_00572 ┃ ┃ ┣ distal acinar tubule epithelial cell

LMMA \_00599 ┃ ┃ ┃ ┣ proliferative epithelial cell

LMMA \_00380 ┃ ┃ ┃ ┣ type I pneumocyte precursor cell

LMMA \_00382 ┃ ┃ ┃ ┣ type II pneumocyte precursor cell

LMMA \_00662 ┃ ┃ ┣ noncycling AT1 precursor

LMMA \_00660 ┃ ┃ ┣ noncycling AT2 precursor

LMMA \_00661 ┃ ┃ ┣ proliferative AT1 early precursor

LMMA \_00659 ┃ ┃ ┣ proliferative AT2 early precursor

LMMA \_00573 ┃ ┃ ┣ proximal acinar tubule epithelial cell

LMMA \_00187 ┃ ┃ ┃ ┣ intermediate pneumocyte (syn: bi-potential pneumocyte)

LMMA \_00599 ┃ ┃ ┃ ┣ proliferative epithelial cell

LMMA \_00380 ┃ ┃ ┃ ┣ type I pneumocyte precursor cell

LMMA \_00382 ┃ ┃ ┃ ┣ type II pneumocyte precursor cell

LMMA \_00691 ┃ ┃ ┣ uncommitted AT progenitor

LMMA \_00590 ┃ ┣ tracheal epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00476 ┃ ┃ ┣ ciliated cell precusor

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00599 ┃ ┃ ┣ proliferative epithelial cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00338 ┣ glial cell

LMMA \_00185 ┣ immune cell

LMMA \_00614 ┃ ┣ lymphoid cell

LMMA \_00241 ┃ ┣ myeloid cell

LMMA \_00478 ┃ ┃ ┣ fetal monocyte

LMMA \_00665 ┃ ┃ ┣ mature myeloid cell

LMMA \_00613 ┃ ┃ ┣ megakaryocyte

LMMA \_00664 ┃ ┃ ┣ proliferative myeloid cell

LMMA \_00668 ┃ ┃ ┃ ┣ platelet

LMMA \_00192 ┣ interstitial cell

LMMA \_00137 ┃ ┣ pre-alveolar interstitial cell

LMMA \_00007 ┃ ┃ ┣ matrix fibroblast

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00273 ┃ ┃ ┣ pericyte

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00598 ┃ ┃ ┣ proliferative interstitial cell

LMMA \_00282 ┃ ┃ ┣ proliferative mesenchymal progenitor

LMMA \_00608 ┃ ┃ ┣ proliferative myofibroblast

LMMA \_00356 ┃ ┃ ┣ telocyte

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00695 ┣ isolated lung cell types

LMMA \_00663 ┃ ┣ early fibroblast progenitor

LMMA \_00188 ┃ ┣ intermediate fibroblast

LMMA \_00656 ┃ ┣ matrix endothelial cell

LMMA \_00657 ┃ ┣ mature endothelial cell

LMMA \_00650 ┃ ┣ mature matrix fibroblast 1

LMMA \_00651 ┃ ┣ mature matrix fibroblast 2

LMMA \_00665 ┃ ┣ mature myeloid cell

LMMA \_00647 ┃ ┣ migrating myofibroblast

LMMA \_00662 ┃ ┣ noncycling AT1 precursor

LMMA \_00660 ┃ ┣ noncycling AT2 precursor

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00661 ┃ ┣ proliferative AT1 early precursor

LMMA \_00659 ┃ ┣ proliferative AT2 early precursor

LMMA \_00617 ┃ ┣ proliferative endothelial cell

LMMA \_00664 ┃ ┣ proliferative myeloid cell

LMMA \_00608 ┃ ┣ proliferative myofibroblast

LMMA \_00648 ┃ ┣ smooth muscle-like myofibroblast

LMMA \_00691 ┃ ┣ uncommitted AT progenitor

LMMA \_00701 ┣ mesenchymal derived cell

LMMA \_00054 ┃ ┣ adipocyte

LMMA \_00141 ┃ ┣ chondrocyte

LMMA \_00169 ┃ ┣ fibroblast

LMMA \_00663 ┃ ┃ ┣ early fibroblast progenitor

LMMA \_00188 ┃ ┃ ┣ intermediate fibroblast 1

LMMA \_00189 ┃ ┃ ┣ intermediate fibroblast 2

LMMA \_00649 ┃ ┃ ┣ intermediate matrix fibroblast

LMMA \_00007 ┃ ┃ ┣ matrix fibroblast

LMMA \_00650 ┃ ┃ ┣ mature matrix fibroblast 1

LMMA \_00651 ┃ ┃ ┣ mature matrix fibroblast 2

LMMA \_00647 ┃ ┃ ┣ migrating myofibroblast

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00608 ┃ ┃ ┣ proliferative myofibroblast

LMMA \_00648 ┃ ┃ ┣ smooth muscle-like myofibroblast

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00231 ┃ ┣ mesothelial cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00627 ┣ muscle cell

LMMA \_00132 ┃ ┣ cardiomyocyte

LMMA \_00655 ┃ ┣ proliferative smooth muscle cell

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00671 ┣ proliferative cell

LMMA \_00378 ┣ subendothelial connective tissue cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00356 ┃ ┣ telocyte

**E17.5 – E19.5 (early saccular stage of mouse lung development)**

LMMA \_00521 ┣ autonomic neuron

LMMA \_00692 ┣ blood cell

LMMA \_00619 ┃ ┣ erythrocyte

LMMA \_00816 ┃ ┣ peripheral blood lymphocytes

LMMA \_00136 ┣ connective tissue cell

LMMA \_00685 ┃ ┣ reticular cell

LMMA \_00356 ┃ ┣ telocyte

LMMA \_00386 ┃ ┣ unclassified fibroblast

LMMA \_00161 ┣ endothelial cell

LMMA \_00616 ┃ ┣ arterial endothelial cell

LMMA \_00720 ┃ ┣ endothelial cell subtype A

LMMA \_00721 ┃ ┣ endothelial cell subtype B

LMMA \_00722 ┃ ┣ endothelial cell subtype C

LMMA \_00723 ┃ ┣ endothelial cell subtype D

LMMA \_00216 ┃ ┣ lymphatic endothelial cell

LMMA \_00617 ┃ ┣ proliferative endothelial cell

LMMA \_00392 ┃ ┣ vascular endothelial cell

LMMA \_00507 ┃ ┣ venous endothelial cell

LMMA \_00164 ┣ epithelial cell

LMMA \_00591 ┃ ┣ bronchial epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00582 ┃ ┣ bronchiolar epithelial cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00253 ┃ ┃ ┣ neuroepithelial body

LMMA \_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00672 ┃ ┣ pre-alveolar epithelial cell

LMMA \_00576 ┃ ┃ ┣ terminal saccule epithelial cell

LMMA \_00666 ┃ ┃ ┃ ┣ immature type I pneumocyte

LMMA \_00667 ┃ ┃ ┃ ┣ immature type II pneumocyte

LMMA \_00187 ┃ ┃ ┃ ┣ intermediate pneumocyte

LMMA \_00379 ┃ ┃ ┃ ┣ type I pneumocyte

LMMA \_00381 ┃ ┃ ┃ ┣ type II pneumocyte

LMMA \_00612 ┃ ┃ ┣ transitory duct epithelial cell

LMMA \_00666 ┃ ┃ ┃ ┣ immature type I pneumocyte

LMMA \_00667 ┃ ┃ ┃ ┣ immature type II pneumocyte

LMMA \_00187 ┃ ┃ ┃ ┣ intermediate pneumocyte

LMMA \_00379 ┃ ┃ ┃ ┣ type I pneumocyte

LMMA \_00381 ┃ ┃ ┃ ┣ type II pneumocyte

LMMA \_00590 ┃ ┣ tracheal epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00338 ┣ glial cell

LMMA \_00185 ┣ immune cell

LMMA \_00614 ┃ ┣ lymphoid cell

LMMA \_00241 ┃ ┣ myeloid cell

LMMA \_00182 ┃ ┃ ┣ macrophage

LMMA \_00609 ┃ ┃ ┃ ┣ immature macrophage

LMMA \_00213 ┃ ┃ ┃ ┣ interstitial macrophage

LMMA \_00738 ┃ ┃ ┃ ┣ macrophage A

LMMA \_00739 ┃ ┃ ┃ ┣ macrophage B

LMMA \_00740 ┃ ┃ ┃ ┣ macrophage C

LMMA \_00741 ┃ ┃ ┃ ┣ macrophage D

LMMA \_00737 ┃ ┃ ┃ ┣ unactivated intermediate macrophage

LMMA \_00613 ┃ ┃ ┣ megakaryocyte

LMMA \_00668 ┃ ┃ ┃ ┣ platelet

LMMA \_00192 ┣ interstitial cell

LMMA \_00587 ┃ ┣ pre-alveolar saccule interstitial cell

LMMA \_00649 ┃ ┃ ┣ matrix fibroblast

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00273 ┃ ┃ ┣ pericyte

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00598 ┃ ┃ ┣ proliferative interstitial cell

LMMA \_00608 ┃ ┃ ┣ proliferative myofibroblast

LMMA \_00356 ┃ ┃ ┣ telocyte

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00695 ┣ isolated lung cell types

LMMA \_00666 ┃ ┣ immature type I pneumocyte

LMMA \_00667 ┃ ┣ immature type II pneumocyte

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00617 ┃ ┣ proliferative endothelial cell

LMMA \_00608 ┃ ┣ proliferative myofibroblast

LMMA \_00701 ┣ mesenchymal derived cell

LMMA \_00054 ┃ ┣ adipocyte

LMMA \_00141 ┃ ┣ chondrocyte

LMMA \_00169 ┃ ┣ fibroblast

LMMA \_00209 ┃ ┃ ┣ lipofibroblast

LMMA \_00649 ┃ ┃ ┣ matrix fibroblast

LMMA \_00729 ┃ ┃ ┣ matrix fibroblast-A

LMMA \_00733 ┃ ┃ ┣ mesenchymal A

LMMA \_00734 ┃ ┃ ┣ mesenchymal B

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00730 ┃ ┃ ┣ myofibroblast-A

LMMA \_00731 ┃ ┃ ┣ myofibroblast-B

LMMA \_00732 ┃ ┃ ┣ myofibroblast-C

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00608 ┃ ┃ ┣ proliferative myofibroblast

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00231 ┃ ┣ mesothelial cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00627 ┣ muscle cell

LMMA \_00132 ┃ ┣ cardiomyocyte

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00671 ┣ proliferative cell

LMMA \_00378 ┣ subendothelial connective tissue cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00356 ┃ ┣ telocyte

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

LMMA \_00521 ┣ autonomic neuron

LMMA \_00692 ┣ blood cell

LMMA \_00619 ┃ ┣ erythrocyte

LMMA \_00179 ┃ ┣ granulocyte

LMMA \_00090 ┃ ┃ ┣ basophil

LMMA \_00163 ┃ ┃ ┣ eosinophil

LMMA \_00256 ┃ ┃ ┣ neutrophil

LMMA \_00233 ┃ ┣ monocyte

LMMA \_00816 ┃ ┣ peripheral blood lymphocytes

LMMA \_00136 ┣ connective tissue cell

LMMA \_00685 ┃ ┣ reticular cell

LMMA \_00356 ┃ ┣ telocyte

LMMA \_00386 ┃ ┣ unclassified fibroblast

LMMA \_00161 ┣ endothelial cell

LMMA \_00616 ┃ ┣ arterial endothelial cell

LMMA \_00720 ┃ ┣ endothelial cell subtype A

LMMA \_00721 ┃ ┣ endothelial cell subtype B

LMMA \_00722 ┃ ┣ endothelial cell subtype C

LMMA \_00723 ┃ ┣ endothelial cell subtype D

LMMA \_00216 ┃ ┣ lymphatic endothelial cell

LMMA \_00392 ┃ ┣ vascular endothelial cell

LMMA \_00507 ┃ ┣ venous endothelial cell

LMMA \_00164 ┣ epithelial cell

LMMA \_00574 ┃ ┣ alveolar epithelial cell

LMMA \_00187 ┃ ┃ ┣ intermediate pneumocyte (syn: bi-potential pneumocyte)

LMMA \_00379 ┃ ┃ ┣ type I pneumocyte

LMMA \_00381 ┃ ┃ ┣ type II pneumocyte

LMMA \_00591 ┃ ┣ bronchial epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00125 ┃ ┃ ┣ chemosensory cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00582 ┃ ┣ bronchiolar epithelial cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00253 ┃ ┃ ┣ neuroepithelial body

LMMA \_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00391 ┃ ┃ ┣ variant club cell

LMMA \_00590 ┃ ┣ tracheal epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00125 ┃ ┃ ┣ chemosensory cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00338 ┣ glial cell

LMMA \_00185 ┣ immune cell

LMMA \_00150 ┃ ┣ dendritic cell

LMMA \_00676 ┃ ┃ ┣ Langerhans cell

LMMA \_00614 ┃ ┣ lymphoid cell

LMMA \_00620 ┃ ┃ ┣ innate lymphoid cell

LMMA \_00245 ┃ ┃ ┃ ┣ natural killer cell

LMMA \_00437 ┃ ┃ ┃ ┣ nuocyte

LMMA \_00223 ┃ ┃ ┣ lymphocyte

LMMA \_00819 ┃ ┃ ┃ ┣ peripheral blood lymphocyte

LMMA \_00086 ┃ ┃ ┃ ┣ B lymphocyte

LMMA \_00677 ┃ ┃ ┃ ┃ ┣ plasma cell

LMMA \_00354 ┃ ┃ ┃ ┣ T lymphocyte

LMMA \_00241 ┃ ┣ myeloid cell

LMMA \_00179 ┃ ┃ ┣ granulocyte

LMMA \_00090 ┃ ┃ ┃ ┣ basophil

LMMA \_00163 ┃ ┃ ┃ ┣ eosinophil

LMMA \_00256 ┃ ┃ ┃ ┣ neutrophil

LMMA \_00182 ┃ ┃ ┣ macrophage

LMMA \_00226 ┃ ┃ ┃ ┣ alveolar macrophage

LMMA \_00213 ┃ ┃ ┃ ┣ interstitial macrophage

LMMA \_00698 ┃ ┃ ┃ ┣ lymph node macrophage

LMMA \_00738 ┃ ┃ ┃ ┣ macrophage A

LMMA \_00739 ┃ ┃ ┃ ┣ macrophage B

LMMA \_00740 ┃ ┃ ┃ ┣ macrophage C

LMMA \_00741 ┃ ┃ ┃ ┣ macrophage D

LMMA \_00737 ┃ ┃ ┃ ┣ unactivated intermediate macrophage

LMMA \_00227 ┃ ┃ ┣ mast cell

LMMA \_00613 ┃ ┃ ┣ megakaryocyte

LMMA \_00668 ┃ ┃ ┃ ┣ platelet

LMMA \_00233 ┃ ┃ ┣ monocyte

LMMA \_00742 ┃ ┃ ┣ neutrophil, Lgals3-negative myeloid

LMMA \_00192 ┣ interstitial cell

LMMA \_00066 ┃ ┣ alveolar interstitial cell

LMMA \_00209 ┃ ┃ ┣ lipofibroblast

LMMA \_00649 ┃ ┃ ┣ matrix fibroblast

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00273 ┃ ┃ ┣ pericyte

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00598 ┃ ┃ ┣ proliferative interstitial cell

LMMA \_00356 ┃ ┃ ┣ telocyte

LMMA \_00465 ┃ ┃ ┣ unclassified alveolar interstitial cell

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00695 ┣ isolated lung cell types

LMMA \_00707 ┃ ┣ CD163+ Macrophage

LMMA \_00708 ┃ ┣ airway epithelial cell - club/ciliated

LMMA \_00725 ┃ ┣ epithelial early club cell

LMMA \_00724 ┃ ┣ epithelial subtype Aebi cell

LMMA \_00696 ┃ ┣ mature type II pneumocyte

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00709 ┃ ┣ proliferative lymphocyte

LMMA \_00701 ┣ mesenchymal derived cell

LMMA \_00054 ┃ ┣ adipocyte

LMMA \_00141 ┃ ┣ chondrocyte

LMMA \_00169 ┃ ┣ fibroblast

LMMA \_00209 ┃ ┃ ┣ lipofibroblast

LMMA \_00649 ┃ ┃ ┣ matrix fibroblast

LMMA \_00733 ┃ ┃ ┣ mesenchymal A

LMMA \_00734 ┃ ┃ ┣ mesenchymal B

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00730 ┃ ┃ ┣ myofibroblast-A

LMMA \_00731 ┃ ┃ ┣ myofibroblast-B

LMMA \_00732 ┃ ┃ ┣ myofibroblast-C

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00231 ┃ ┣ mesothelial cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00627 ┣ muscle cell

LMMA \_00132 ┃ ┣ cardiomyocyte

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00671 ┣ proliferative cell

LMMA \_00378 ┣ subendothelial connective tissue cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00356 ┃ ┣ telocyte

**P04-P30 (alveolar stage of mouse lung development)**

LMMA \_00521 ┣ autonomic neuron

LMMA \_00692 ┣ blood cell

LMMA \_00619 ┃ ┣ erythrocyte

LMMA \_00179 ┃ ┣ granulocyte

LMMA \_00090 ┃ ┃ ┣ basophil

LMMA \_00163 ┃ ┃ ┣ eosinophil

LMMA \_00256 ┃ ┃ ┣ neutrophil

LMMA \_00233 ┃ ┣ monocyte

LMMA \_00816 ┃ ┣ peripheral blood lymphocytes

LMMA \_00136 ┣ connective tissue cell

LMMA \_00685 ┃ ┣ reticular cell

LMMA \_00356 ┃ ┣ telocyte

LMMA \_00386 ┃ ┣ unclassified fibroblast

LMMA \_00161 ┣ endothelial cell

LMMA \_00616 ┃ ┣ arterial endothelial cell

LMMA \_00720 ┃ ┣ endothelial cell subtype A

LMMA \_00721 ┃ ┣ endothelial cell subtype B

LMMA \_00722 ┃ ┣ endothelial cell subtype C

LMMA \_00723 ┃ ┣ endothelial cell subtype D

LMMA \_00216 ┃ ┣ lymphatic endothelial cell

LMMA \_00392 ┃ ┣ vascular endothelial cell

LMMA \_00507 ┃ ┣ venous endothelial cell

LMMA \_00164 ┣ epithelial cell

LMMA \_00574 ┃ ┣ alveolar epithelial cell

LMMA \_00379 ┃ ┃ ┣ type I pneumocyte

LMMA \_00381 ┃ ┃ ┣ type II pneumocyte

LMMA \_00591 ┃ ┣ bronchial epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00125 ┃ ┃ ┣ chemosensory cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00143 ┃ ┃ ┣ club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00582 ┃ ┣ bronchiolar epithelial cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00143 ┃ ┃ ┣ club cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00253 ┃ ┃ ┣ neuroepithelial body

LMMA \_00252 ┃ ┃ ┃ ┣ neuroendocrine cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00391 ┃ ┃ ┣ variant club cell

LMMA \_00725 ┃ ┣ epithelial early club cell

LMMA \_00724 ┃ ┣ epithelial subtype Aebi cell

LMMA \_00693 ┃ ┣ submucosal gland duct epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00125 ┃ ┃ ┣ chemosensory cell

LMMA \_00146 ┃ ┃ ┣ collecting duct cell

LMMA \_00694 ┃ ┣ submucosal gland epithelial cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00242 ┃ ┃ ┣ myoepithelial cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00590 ┃ ┣ tracheal epithelial cell

LMMA \_00087 ┃ ┃ ┣ basal cell

LMMA \_00125 ┃ ┃ ┣ chemosensory cell

LMMA \_00142 ┃ ┃ ┣ ciliated cell

LMMA \_00184 ┃ ┃ ┣ immature club cell

LMMA \_00526 ┃ ┃ ┣ intermediate airway progenitor cell

LMMA \_00238 ┃ ┃ ┣ mucus cell

LMMA \_00252 ┃ ┃ ┣ neuroendocrine cell

LMMA \_00340 ┃ ┃ ┣ serous cell

LMMA \_00384 ┃ ┃ ┣ unclassified epithelial cell

LMMA \_00338 ┣ glial cell

LMMA \_00185 ┣ immune cell

LMMA \_00735 ┃ ┣ T cell 1

LMMA \_00736 ┃ ┣ T cell 2

LMMA \_00150 ┃ ┣ dendritic cell

LMMA \_00676 ┃ ┃ ┣ Langerhans cell

LMMA \_00614 ┃ ┣ lymphoid cell

LMMA \_00620 ┃ ┃ ┣ innate lymphoid cell

LMMA \_00245 ┃ ┃ ┃ ┣ natural killer cell

LMMA \_00437 ┃ ┃ ┃ ┣ nuocyte

LMMA \_00223 ┃ ┃ ┣ lymphocyte

LMMA \_00086 ┃ ┃ ┃ ┣ B lymphocyte

LMMA \_00677 ┃ ┃ ┃ ┃ ┣ plasma cell

LMMA \_00354 ┃ ┃ ┃ ┣ T lymphocyte

LMMA \_00819 ┃ ┃ ┃ ┣ peripheral blood lymphocyte

LMMA \_00241 ┃ ┣ myeloid cell

LMMA \_00179 ┃ ┃ ┣ granulocyte

LMMA \_00090 ┃ ┃ ┃ ┣ basophil

LMMA \_00163 ┃ ┃ ┃ ┣ eosinophil

LMMA \_00256 ┃ ┃ ┃ ┣ neutrophil

LMMA \_00182 ┃ ┃ ┣ macrophage

LMMA \_00226 ┃ ┃ ┃ ┣ alveolar macrophage

LMMA \_00213 ┃ ┃ ┃ ┣ interstitial macrophage

LMMA \_00698 ┃ ┃ ┃ ┣ lymph node macrophage

LMMA \_00738 ┃ ┃ ┃ ┣ macrophage A

LMMA \_00739 ┃ ┃ ┃ ┣ macrophage B

LMMA \_00740 ┃ ┃ ┃ ┣ macrophage C

LMMA \_00741 ┃ ┃ ┃ ┣ macrophage D

LMMA \_00737 ┃ ┃ ┃ ┣ unactivated intermediate macrophage

LMMA \_00227 ┃ ┃ ┣ mast cell

LMMA \_00613 ┃ ┃ ┣ megakaryocyte

LMMA \_00668 ┃ ┃ ┃ ┣ platelet

LMMA \_00233 ┃ ┃ ┣ monocyte

LMMA \_00742 ┃ ┃ ┣ neutrophil, Lgals3-negative myeloid

LMMA \_00192 ┣ interstitial cell

LMMA \_00066 ┃ ┣ alveolar interstitial cell

LMMA \_00209 ┃ ┃ ┣ lipofibroblast

LMMA \_00649 ┃ ┃ ┣ matrix fibroblast

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00273 ┃ ┃ ┣ pericyte

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00598 ┃ ┃ ┣ proliferative interstitial cell

LMMA \_00697 ┃ ┃ ┣ proliferative myofibroblast

LMMA \_00356 ┃ ┃ ┣ telocyte

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00465 ┃ ┃ ┣ unclassified alveolar interstitial cell

LMMA \_00695 ┣ isolated lung cell types

LMMA \_00707 ┃ ┣ CD163+ Macrophage

LMMA \_00708 ┃ ┣ airway epithelial cell - club/ciliated

LMMA \_00725 ┃ ┣ epithelial early club cell

LMMA \_00724 ┃ ┣ epithelial subtype Aebi cell

LMMA \_00696 ┃ ┣ mature type II pneumocyte

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00709 ┃ ┣ proliferative lymphocyte

LMMA \_00701 ┣ mesenchymal derived cell

LMMA \_00054 ┃ ┣ adipocyte

LMMA \_00141 ┃ ┣ chondrocyte

LMMA \_00169 ┃ ┣ fibroblast

LMMA \_00728 ┃ ┃ ┣ fibroblast-ELN

LMMA \_00209 ┃ ┃ ┣ lipofibroblast

LMMA \_00649 ┃ ┃ ┣ matrix fibroblast

LMMA \_00733 ┃ ┃ ┣ mesenchymal A

LMMA \_00734 ┃ ┃ ┣ mesenchymal B

LMMA \_00243 ┃ ┃ ┣ myofibroblast

LMMA \_00730 ┃ ┃ ┣ myofibroblast-A

LMMA \_00731 ┃ ┃ ┣ myofibroblast-B

LMMA \_00732 ┃ ┃ ┣ myofibroblast-C

LMMA \_00607 ┃ ┃ ┣ proliferative fibroblast

LMMA \_00386 ┃ ┃ ┣ unclassified fibroblast

LMMA \_00231 ┃ ┣ mesothelial cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00627 ┣ muscle cell

LMMA \_00132 ┃ ┣ cardiomyocyte

LMMA \_00343 ┃ ┣ smooth muscle cell

LMMA \_00671 ┣ proliferative cell

LMMA \_00378 ┣ subendothelial connective tissue cell

LMMA \_00273 ┃ ┣ pericyte

LMMA \_00356 ┃ ┣ telocyte