

All Imputed Roadmap Datasets

The heatmap displays gene expression levels across a wide range of cell types and tissues. The color scale indicates the magnitude of expression, ranging from -3 (blue) to 3 (red). The rows represent different cell types and tissues, while the columns represent individual genes.

Legend:

- type**: Color-coded by cell type or tissue category.
 - Glia (Green)
 - Excitatory neurons (Blue)
 - Inhibitory neurons (Purple)
 - Dopaminergic neurons (Red)
 - Retina cells (Orange)
 - T-cells (Pink)
- Roadmap category**: Color-coded by broader biological category.
 - Blood/Immune (Teal)
 - Digestive (Yellow)
 - Epithelial (Light Blue)
 - ESC (Red)
 - Heart (Dark Blue)
 - IPSC (Orange)
 - Mesench (Light Green)
 - Musculoskeletal/Connective (Pink)
 - Nervous (Grey)
 - Other (Purple)
 - Pancreas (Light Green)

Gene List (Columns):

- CD4 T-cells human
- CD8 T-cells human
- CD8 T-cells
- Microglia
- Excitatory Layer VI
- Inhibitory Layer VI
- Excitatory Layer IV
- Excitatory Layer V
- Excitatory Layer II-III
- Excitatory Camk2a
- Excitatory DG+
- Excitatory Layers II-V*
- Rods
- Cones (olive)
- Cones (green)
- Oligodendrocyte
- Inhibitory*
- Astrocytes*
- Inhibitory MSN*
- Excitatory Layer VI*
- Neuron negative
- Embryonic DA midbrain
- Inhibitory PV
- K562 Leukemia Cell Line

Cell Type/Tissue List (Rows):

- Bone Marrow Derived Cultured Mesenchymal Stem Cells
- Adipose Derived Mesenchymal Stem Cell Cultured Cells
- Mesenchymal Stem Cell Derived Chondrocyte Cultured Cells
- Mesenchymal Stem Cell Derived Adipocyte Cultured Cells
- Musculoskeletal/Connective Satellite Cultured Cells
- Osteoblast Primary Cells
- A549 EtOH 0.02pct Lung Carcinoma Cell Line
- NHEK-Epidermal Keratinocyte Primary Cells
- HSMC Skeletal Musculoskeletal/Connective Myoblasts Cell Line
- Skeletal Musculoskeletal/Connective Female
- Foreskin Melanocyte Primary Cells skin03
- IMR90 fetal lung fibroblasts Cell Line
- Foreskin Fibroblast Primary Cells skin01
- Monocytes-CD14+ RO01746 Cell Line
- HSMC cell derived Skeletal Musculoskeletal/Connective Myotubes Cell Line
- NH-A Astrocytes Cell Line
- Breast variant Human Mammary Epithelial Cells (vHMEC)
- Foreskin Keratinocyte Primary Cells skin03
- HeLa-S3 Cervical Carcinoma Cell Line
- HMEC Mammary Epithelial Primary Cells
- HUVEC Umbilical Vein Endothelial Cells Cell Line
- Primary neutrophils from peripheral blood
- Primary T helper cells PMA-I stimulated
- Primary B cells from peripheral blood
- Primary Natural Killer cells from peripheral blood
- Primary monocytes from peripheral blood
- Dnd41 TCell Leukemia Cell Line
- Fetal Intestine Large
- H1 Derived Mesenchymal Stem Cells
- Foreskin Keratinocyte Primary Cells skin02
- Placenta Amnion
- Brain Hippocampus Middle
- Fetal Stomach
- Duodenum Smooth Musculoskeletal/Connective
- Fetal Adrenal Gland
- Breast Myoepithelial Primary Cells
- Adipose Nuclei
- NHLF Lung Fibroblast Primary Cells
- hESC Derived CD56+ Mesoderm Cultured Cells
- Foreskin Fibroblast Primary Cells skin02
- Fetal Heart
- HepG2 Hepatocellular Carcinoma Cell Line
- NHDF-Ad Adult Dermal Fibroblast Primary Cells
- Primary hematopoietic stem cells G-CSF-mobilized Male
- Liver
- Fetal Intestine Small
- Primary T cells from cord blood
- Primary hematopoietic stem cells
- Thymus
- ES-WA7 Cell Line
- H1 Derived Neuronal Progenitor Cultured Cells
- H9 Cell Line
- iPS DF 6.9 Cell Line
- Pancreatic Islets
- iPS DF 19.11 Cell Line
- H1 Cell Line
- H1 BMP4 Derived Mesendoderm Cultured Cells
- hESC Derived CD56+ Ectoderm Cultured Cells
- H9 Derived Neuronal Progenitor Cultured Cells
- ES-UCSF4 Cell Line
- Gastric
- Pancreas
- Ovary
- iPS-15b Cell Line
- iPS-18 Cell Line
- iPS-20b Cell Line
- Brain Angular Gyrus
- Brain Dorsolateral Prefrontal Cortex
- Fetal Brain Female
- H9 Derived Neuron Cultured Cells
- Fetal Brain Male
- Brain Germinal Matrix
- Cortex derived primary cultured neurospheres
- Ganglion Eminence derived primary cultured neurospheres
- Primary T cells from peripheral blood
- Primary T helper 17 cells PMA-I stimulated
- Primary T regulatory cells from peripheral blood
- Primary T helper naive cells from peripheral blood
- Primary T helper cells from peripheral blood
- GM12878 Lymphoblastoid Cell Line
- Primary T helper memory cells from peripheral blood 2
- Fetal Thymus
- Primary T helper memory cells from peripheral blood 1
- Primary T cells effector/memory enriched from peripheral blood
- Primary T helper naive cells from peripheral blood
- Primary T killer naive cells from peripheral blood
- Primary T killer memory cells from peripheral blood
- Primary B cells from cord blood
- Primary hematopoietic stem cells short term culture
- Primary mononuclear cells from peripheral blood
- H1 BMP4 Derived Trophoblast Cultured Cells
- Placenta
- Left Ventricle
- hESC Derived CD184+ Endoderm Cultured Cells
- Colon Smooth Musculoskeletal/Connective
- Fetal Musculoskeletal/Connective Leg
- Brain Substantia Nigra
- Right Ventricle
- Skeletal Musculoskeletal/Connective Male
- ES-I3 Cell Line
- Fetal Lung
- Brain Inferior Temporal Lobe
- Brain Anterior Caudate
- Brain Cingulate Gyrus
- HUES48 Cell Line
- HUES6 Cell Line
- HUES64 Cell Line
- Rectal Smooth Musculoskeletal/Connective
- Psoas Musculoskeletal/Connective
- Fetal Musculoskeletal/Connective Trunk
- Stomach Smooth Musculoskeletal/Connective
- Spleen
- Esophagus
- Lung
- Colonic Mucosa
- Right Atrium
- Fetal Kidney
- Foreskin Melanocyte Primary Cells skin01
- Aorta
- Small Intestine
- Sigmoid Colon
- Duodenum Mucosa
- Rectal Mucosa Donor 29
- Primary hematopoietic stem cells G-CSF-mobilized Female
- Stomach Mucosa
- Rectal Mucosa Donor 31