

**RED: GTex BLACK: Roadmap**

**Adipose – Subcutaneous:** ['Adipose Nuclei']

**Adipose – Visceral (Omentum):** ['Adipose Nuclei']

**Adrenal Gland:** ['Fetal Adrenal Gland']

**Artery – Aorta:** ['Aorta']

**Brain – Amygdala:** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Anterior cingulate cortex (BA24):** ['Brain Anterior Caudate', 'Brain Cingulate Gyrus']

**Brain – Caudate (basal ganglia):** ['Brain Anterior Caudate']

**Brain – Cerebellar Hemisphere:** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Cerebellum:** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Cortex:** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Frontal Cortex (BA9):** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Hippocampus:** ['Brain Hippocampus Middle']

**Brain – Hypothalamus:** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Nucleus accumbens (basal ganglia):** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Putamen (basal ganglia):** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Spinal cord (cervical c-1):** ['Brain Hippocampus Middle', 'Brain Substantia Nigra', 'Brain Anterior Caudate', 'Brain Cingulate Gyrus', 'Brain Inferior Temporal Lobe', 'Brain Angular Gyrus']

**Brain – Substantia nigra:** ['Brain Substantia Nigra']

**Breast – Mammary Tissue:** ['HMEC Mammary Epithelial Primary Cells']

**Cells – EBV-transformed lymphocytes:** ['H9 Cells', 'HUES6 Cells', 'HUES48 Cells', 'HUES64 Cells', 'H1 Cells', 'iPS-20b Cells', 'iPS-18 Cells', 'iPS DF 6.9 Cells', 'iPS DF 19.11 Cells', 'H1 Derived Neuronal Progenitor Cultured Cells', 'hESC Derived CD56+ Mesoderm Cultured Cells', 'hESC Derived CD56+ Ectoderm Cultured Cells', 'hESC Derived CD184+ Endoderm Cultured Cells', 'H1 BMP4 Derived Mesendoderm Cultured Cells', 'H1 BMP4 Derived Trophoblast Cultured Cells', 'H1 Derived Mesenchymal Stem Cells', 'Primary mononuclear cells from peripheral blood', 'Primary T cells from peripheral blood', 'Primary T cells effector/memory enriched from peripheral blood', 'Primary T regulatory cells from peripheral blood', 'Primary T helper cells from peripheral blood', 'Primary T helper naive cells from peripheral blood', 'Primary T helper cells PMA-I stimulated', 'Primary T helper 17 cells PMA-I stimulated', 'Primary T helper memory cells from peripheral blood 1', 'Primary T helper memory cells from peripheral blood 2', 'Primary T CD8+ memory cells from peripheral blood', 'Primary T helper naive cells from peripheral blood', 'Primary T CD8+ naive cells from peripheral blood', 'Primary hematopoietic stem cells G-CSF-mobilized Female', 'Primary B cells from peripheral blood', 'Primary Natural Killer cells from peripheral blood', 'Bone Marrow Derived Cultured Mesenchymal Stem Cells', 'Mesenchymal Stem Cell Derived Chondrocyte Cultured Cells', 'Foreskin Fibroblast Primary Cells skin01', 'Foreskin Fibroblast Primary Cells skin02', 'Foreskin Melanocyte Primary Cells skin01', 'Foreskin Melanocyte Primary Cells skin03', 'Foreskin Keratinocyte Primary Cells skin03', 'GM12878 Lymphoblastoid Cells', 'HMEC Mammary Epithelial Primary Cells', 'HSMM Skeletal Muscle Myoblasts Cells', 'HSMM cell derived Skeletal Muscle Myotubes Cells', 'HUVEC Umbilical Vein Endothelial Primary Cells', 'K562 Leukemia Cells', 'Monocytes-CD14+ R001746 Primary Cells', 'NH-A Astrocytes Primary Cells', 'NHDF-Ad Adult Dermal Fibroblast Primary Cells', 'NHEK-Epidermal Keratinocyte Primary Cells', 'NHLF Lung Fibroblast Primary Cells', 'Osteoblast Primary Cells']

**Cells – Transformed fibroblasts:** ['IMR90 fetal lung fibroblasts Cell Line', 'H9 Cells', 'HUES6 Cells', 'HUES48 Cells', 'HUES64 Cells', 'H1 Cells', 'iPS-20b Cells', 'iPS-18 Cells', 'iPS DF 6.9 Cells', 'iPS DF 19.11 Cells', 'H1 Derived Neuronal Progenitor Cultured Cells', 'hESC Derived CD56+ Mesoderm Cultured Cells', 'hESC Derived CD56+ Ectoderm Cultured Cells', 'hESC Derived CD184+ Endoderm Cultured Cells', 'H1 BMP4 Derived Mesendoderm Cultured Cells', 'H1 BMP4 Derived Trophoblast

Cultured Cells', 'H1 Derived Mesenchymal Stem Cells', 'Primary mononuclear cells from peripheral blood', 'Primary T cells from peripheral blood', 'Primary T cells effector/memory enriched from peripheral blood', 'Primary T regulatory cells from peripheral blood', 'Primary T helper cells from peripheral blood', 'Primary T helper naive cells from peripheral blood', 'Primary T helper cells PMA-I stimulated', 'Primary T helper 17 cells PMA-I stimulated', 'Primary T helper memory cells from peripheral blood 1', 'Primary T helper memory cells from peripheral blood 2', 'Primary T CD8+ memory cells from peripheral blood', 'Primary T helper naive cells from peripheral blood', 'Primary T CD8+ naive cells from peripheral blood', 'Primary hematopoietic stem cells G-CSF-mobilized Female', 'Primary B cells from peripheral blood', 'Primary Natural Killer cells from peripheral blood', 'Bone Marrow Derived Cultured Mesenchymal Stem Cells', 'Mesenchymal Stem Cell Derived Chondrocyte Cultured Cells', 'Foreskin Fibroblast Primary Cells skin01', 'Foreskin Fibroblast Primary Cells skin02', 'Foreskin Melanocyte Primary Cells skin01', 'Foreskin Melanocyte Primary Cells skin03', 'Foreskin Keratinocyte Primary Cells skin03', 'GM12878 Lymphoblastoid Cells', 'HMEC Mammary Epithelial Primary Cells', 'HSMM Skeletal Muscle Myoblasts Cells', 'HSMM cell derived Skeletal Muscle Myotubes Cells', 'HUVEC Umbilical Vein Endothelial Primary Cells', 'K562 Leukemia Cells', 'Monocytes-CD14+ R001746 Primary Cells', 'NH-A Astrocytes Primary Cells', 'NHDF-Ad Adult Dermal Fibroblast Primary Cells', 'NHEK-Epidermal Keratinocyte Primary Cells', 'NHLF Lung Fibroblast Primary Cells', 'Osteoblast Primary Cells']

**Colon - Sigmoid:** ['Sigmoid Colon']

**Colon - Transverse:** ['Colon Smooth Muscle', 'Sigmoid Colon']

**Esophagus - Gastroesophageal Junction:** ['Esophagus']

**Esophagus - Mucosa:** ['Colonic Mucosa', 'Rectal Mucosa Donor 29', 'Rectal Mucosa Donor 31', 'Esophagus']

**Esophagus - Muscularis:** ['Esophagus']

**Heart - Left Ventricle:** ['Left Ventricle']

**Liver:** ['Liver']

**Lung:** ['IMR90 fetal lung fibroblasts Cell Line', 'Lung', 'A549 EtOH 0.02pct Lung Carcinoma Cell Line', 'NHLF Lung Fibroblast Primary Cells']

**Minor Salivary Gland:** ['Fetal Adrenal Gland']

**Muscle - Skeletal:** ['Skeletal Muscle Female', 'HSMM Skeletal Muscle']

Myoblasts Cells', 'HSMM cell derived Skeletal Muscle Myotubes Cells']

**Ovary:** ['Ovary']

**Pancreas:** ['Pancreas']

**Small Intestine – Terminal Ileum:** ['Fetal Intestine Small', 'Small Intestine']

**Spleen:** ['Spleen']

**Stomach:** ['Stomach Smooth Muscle', 'Fetal Stomach']

**Whole Blood:** ['Primary T cells effector/memory enriched from peripheral blood', 'Primary T helper memory cells from peripheral blood 1', 'Primary T helper memory cells from peripheral blood 2', 'Primary T CD8+ memory cells from peripheral blood', 'Primary T helper naive cells from peripheral blood', 'Primary T CD8+ naive cells from peripheral blood', 'Primary B cells from peripheral blood']