

Term-Fibroblast cell type
PPAR signaling pathway
cAMP signaling pathway
Bile secretion
TGF-beta signaling pathway
Aldosterone synthesis and secretion
Dopaminergic synapse
Vascular smooth muscle contraction
Signaling pathways regulating pluripotency of stem cells
Retrograde endocannabinoid signaling
Neuroactive ligand-receptor interaction
Proximal tubule bicarbonate reclamation
Renin-angiotensin system
alpha-Linolenic acid metabolism
JAK-STAT signaling pathway
Hippo signaling pathway
Biosynthesis of unsaturated fatty acids
Aldosterone-regulated sodium reabsorption
Nicotine addiction
Rap1 signaling pathway
Vasopressin-regulated water reabsorption
Carbohydrate digestion and absorption
Cocaine addiction
Endocrine and other factor-regulated calcium reabsorption
Notch signaling pathway
Mineral absorption
Lysine degradation
Cortisol synthesis and secretion
Long-term potentiation
Amphetamine addiction
Renin secretion
Epithelial cell signaling in Helicobacter pylori infection
Thyroid hormone synthesis
Gastric acid secretion
Complement and coagulation cascades
Insulin secretion
Cardiac muscle contraction
Salivary secretion
Circadian entrainment
Pancreatic secretion
Protein digestion and absorption
Insulin resistance
Glutamatergic synapse
Thyroid hormone signaling pathway
Cell cycle
Osteoclast differentiation
FoxO signaling pathway

Cell adhesion molecules

Phospholipase D signaling pathway

Cellular senescence

cGMP-PKG signaling pathway

MAPK signaling pathway

Cytokine-cytokine receptor interaction

Term-M2 macrophage cell type
Hematopoietic cell lineage
Phagosome
Allograft rejection
Antigen processing and presentation
Intestinal immune network for IgA production
Th17 cell differentiation
Osteoclast differentiation
Th1 and Th2 cell differentiation
IL-17 signaling pathway
Cell adhesion molecules
Toll-like receptor signaling pathway
Viral protein interaction with cytokine and cytokine receptor
NF-kappa B signaling pathway
TNF signaling pathway
Platelet activation
Adipocytokine signaling pathway
MAPK signaling pathway
Cytokine-cytokine receptor interaction
Complement and coagulation cascades
Neutrophil extracellular trap formation
Fc gamma R-mediated phagocytosis
AGE-RAGE signaling pathway in diabetic complications
C-type lectin receptor signaling pathway
Ras signaling pathway
Natural killer cell mediated cytotoxicity
NOD-like receptor signaling pathway
Cytosolic DNA-sensing pathway
Chemokine signaling pathway
Fc epsilon RI signaling pathway
Epithelial cell signaling in Helicobacter pylori infection
RIG-I-like receptor signaling pathway
Inflammatory mediator regulation of TRP channels
T cell receptor signaling pathway
Sphingolipid signaling pathway
Fatty acid biosynthesis
Apoptosis
Phospholipase D signaling pathway
Cellular senescence
SNARE interactions in vesicular transport
Rap1 signaling pathway
Tryptophan metabolism
Fatty acid degradation
Cocaine addiction
Arachidonic acid metabolism
Renin secretion
Prolactin signaling pathway

PPAR signaling pathway
B cell receptor signaling pathway
ErbB signaling pathway
PD-L1 expression and PD-1 checkpoint pathway in cancer
Aldosterone synthesis and secretion
PI3K-Akt signaling pathway
Longevity regulating pathway
Parathyroid hormone synthesis, secretion and action
Insulin resistance
HIF-1 signaling pathway
Neurotrophin signaling pathway
Relaxin signaling pathway
cAMP signaling pathway
Neuroactive ligand-receptor interaction
Toll-like receptor signaling pathway
NF-kappa B signaling pathway
Lipid and atherosclerosis
Complement and coagulation cascades
Viral protein interaction with cytokine and cytokine receptor
Chemokine signaling pathway
Cytokine-cytokine receptor interaction
Osteoclast differentiation
Cytosolic DNA-sensing pathway
Fc epsilon RI signaling pathway
Transcriptional misregulation in cancer
IL-17 signaling pathway
Fc gamma R-mediated phagocytosis
Hematopoietic cell lineage
AGE-RAGE signaling pathway in diabetic complications
C-type lectin receptor signaling pathway
TNF signaling pathway
Platelet activation
Natural killer cell mediated cytotoxicity
Fluid shear stress and atherosclerosis
NOD-like receptor signaling pathway
Rap1 signaling pathway
Graft-versus-host disease
Cholesterol metabolism
Epithelial cell signaling in Helicobacter pylori infection
MAPK signaling pathway
p53 signaling pathway
PPAR signaling pathway
B cell receptor signaling pathway
Gap junction
TGF-beta signaling pathway
Inflammatory mediator regulation of TRP channels
Progesterone-mediated oocyte maturation

T cell receptor signaling pathway

Th17 cell differentiation

Cell cycle

Oocyte meiosis

Cellular senescence

Neutrophil extracellular trap formation

Regulation of actin cytoskeleton

Term-Astrocyte cell type
Complement and coagulation cascades
Pertussis
Bile secretion
Drug metabolism
Leukocyte transendothelial migration
Nitrogen metabolism
Phenylalanine metabolism
Vascular smooth muscle contraction
Systemic lupus erythematosus
Histidine metabolism
Arginine biosynthesis
Proximal tubule bicarbonate reclamation
alpha-Linolenic acid metabolism
Linoleic acid metabolism
Tyrosine metabolism
Alanine, aspartate and glutamate metabolism
Focal adhesion
Glycine, serine and threonine metabolism
Ferroptosis
Tryptophan metabolism
Fat digestion and absorption
Porphyrin and chlorophyll metabolism
Vasopressin-regulated water reabsorption
Cocaine addiction
Ether lipid metabolism
Arginine and proline metabolism
Glutathione metabolism
Arachidonic acid metabolism
Amphetamine addiction
Renin secretion
Metabolism of xenobiotics by cytochrome P450
Arrhythmogenic right ventricular cardiomyopathy
ECM-receptor interaction
Gap junction
Glycerophospholipid metabolism
AGE-RAGE signaling pathway in diabetic complications
Pancreatic secretion
NF-kappa B signaling pathway
TNF signaling pathway
Serotonergic synapse
Dopaminergic synapse
Apelin signaling pathway
Cell adhesion molecules
Phagosome
Oxytocin signaling pathway
cGMP-PKG signaling pathway

Tight junction
Axon guidance
cAMP signaling pathway
Regulation of actin cytoskeleton
Ras signaling pathway
Neuroactive ligand-receptor interaction
PI3K-Akt signaling pathway
HIF-1 signaling pathway
Glycolysis / Gluconeogenesis
Nitrogen metabolism
RNA degradation
Focal adhesion
Protein processing in endoplasmic reticulum
Mineral absorption
Bacterial invasion of epithelial cells
AGE-RAGE signaling pathway in diabetic complications
Glucagon signaling pathway
Insulin resistance
AMPK signaling pathway
Thyroid hormone signaling pathway
Thiamine metabolism
Fluid shear stress and atherosclerosis
Protein export
mTOR signaling pathway
Cellular senescence
PI3K-Akt signaling pathway
Pentose phosphate pathway
Galactose metabolism
Fructose and mannose metabolism
Starch and sucrose metabolism
Cholesterol metabolism
VEGF signaling pathway
Lysine degradation
Adipocytokine signaling pathway
MAPK signaling pathway
p53 signaling pathway
PPAR signaling pathway
ErbB signaling pathway
Insulin secretion
ECM-receptor interaction
GABAergic synapse
Bile secretion
Longevity regulating pathway
Glutamatergic synapse
Growth hormone synthesis, secretion and action
Osteoclast differentiation
Purine metabolism

Relaxin signaling pathway
Insulin signaling pathway
Phagosome
RNA transport
Rap1 signaling pathway
Lipid and atherosclerosis
Regulation of actin cytoskeleton
Ras signaling pathway
Calcium signaling pathway
Endocytosis
Cytokine-cytokine receptor interaction
Antigen processing and presentation
Apoptosis
Osteoclast differentiation
IL-17 signaling pathway
Protein processing in endoplasmic reticulum
Legionellosis
TNF signaling pathway
Lipid and atherosclerosis
Estrogen signaling pathway
Fluid shear stress and atherosclerosis
Cellular senescence
MAPK signaling pathway
Allograft rejection
Ferroptosis
Th17 cell differentiation
Lysosome
Endocytosis
Spliceosome
Phagosome
Amphetamine addiction
Leishmaniasis
NOD-like receptor signaling pathway
B cell receptor signaling pathway
PD-L1 expression and PD-1 checkpoint pathway in cancer
Th1 and Th2 cell differentiation
T cell receptor signaling pathway
Toll-like receptor signaling pathway
Toxoplasmosis
Growth hormone synthesis, secretion and action
Relaxin signaling pathway
Natural killer cell mediated cytotoxicity
Cell adhesion molecules
Cocaine addiction
Non-alcoholic fatty liver disease
Adipocytokine signaling pathway
Epithelial cell signaling in Helicobacter pylori infection

Prolactin signaling pathway
Pertussis
RNA degradation
cAMP signaling pathway
Longevity regulating pathway
C-type lectin receptor signaling pathway
NF-kappa B signaling pathway
Insulin resistance
Neurotrophin signaling pathway
FoxO signaling pathway
mTOR signaling pathway
Oxytocin signaling pathway
PI3K-Akt signaling pathway
JAK-STAT signaling pathway
Transcriptional misregulation in cancer
Aldosterone-regulated sodium reabsorption
Cytosolic DNA-sensing pathway
Renin secretion
RIG-I-like receptor signaling pathway
p53 signaling pathway
ErbB signaling pathway
GnRH signaling pathway
Circadian entrainment
AGE-RAGE signaling pathway in diabetic complications
Progesterone-mediated oocyte maturation
Protein digestion and absorption
Parathyroid hormone synthesis, secretion and action
Serotonergic synapse
Cholinergic synapse
Sphingolipid signaling pathway
Cell cycle
Dopaminergic synapse
Insulin signaling pathway
Ubiquitin mediated proteolysis
Wnt signaling pathway
Tight junction
Alcoholism
Chemokine signaling pathway
Focal adhesion

Term-Oligodendrocyte cell type
Hedgehog signaling pathway
Inositol phosphate metabolism
Thiamine metabolism
Cell adhesion molecules
Fatty acid elongation
Biosynthesis of unsaturated fatty acids
Mucin type O-glycan biosynthesis
Ferroptosis
Glycosphingolipid biosynthesis
Sphingolipid metabolism
Ether lipid metabolism
Vibrio cholerae infection
Cholesterol metabolism
Mineral absorption
Thyroid hormone synthesis
Bacterial invasion of epithelial cells
Peroxisome
GABAergic synapse
Salivary secretion
Phosphatidylinositol signaling system
Pancreatic secretion
HIF-1 signaling pathway
Leukocyte transendothelial migration
Purine metabolism
Apoptosis
Retrograde endocannabinoid signaling
Tight junction
Transcriptional misregulation in cancer
Pathogenic Escherichia coli infection
cAMP signaling pathway
Endocytosis
Gap junction
Phagosome
Notch signaling pathway
Mineral absorption
Taurine and hypotaurine metabolism
Protein digestion and absorption
Butanoate metabolism
beta-Alanine metabolism
Alanine, aspartate and glutamate metabolism
Aldosterone-regulated sodium reabsorption
Nicotine addiction
Ferroptosis
cAMP signaling pathway
Type I diabetes mellitus
Carbohydrate digestion and absorption

Cocaine addiction
Endocrine and other factor-regulated calcium reabsorption
Long-term depression
Long-term potentiation
Amphetamine addiction
Thyroid hormone synthesis
Gastric acid secretion
Leishmaniasis
Antigen processing and presentation
Insulin secretion
Cardiac muscle contraction
GABAergic synapse
Bile secretion
Th1 and Th2 cell differentiation
Salivary secretion
Neuroactive ligand-receptor interaction
Circadian entrainment
Fc gamma R-mediated phagocytosis
Aldosterone synthesis and secretion
Inflammatory mediator regulation of TRP channels
Hematopoietic cell lineage
Pancreatic secretion
Glutamatergic synapse
Thyroid hormone signaling pathway
Lysosome
FoxO signaling pathway
Dopaminergic synapse
Apoptosis
Signaling pathways regulating pluripotency of stem cells
Spinocerebellar ataxia
Retrograde endocannabinoid signaling
Adrenergic signaling in cardiomyocytes
Necroptosis
Wnt signaling pathway
cGMP-PKG signaling pathway
Tight junction

Term-Regulatory T cell type
C-type lectin receptor signaling pathway
Ferroptosis
Pertussis
Chemokine signaling pathway
IL-17 signaling pathway
Viral protein interaction with cytokine and cytokine receptor
Lipid and atherosclerosis
Toll-like receptor signaling pathway
NF-kappa B signaling pathway
Cytokine-cytokine receptor interaction
Legionellosis
Mineral absorption
Gap junction
Salivary secretion
Inflammatory mediator regulation of TRP channels
Hematopoietic cell lineage
AGE-RAGE signaling pathway in diabetic complications
Amoebiasis
Glucagon signaling pathway
TNF signaling pathway
Osteoclast differentiation
Lysosome
Natural killer cell mediated cytotoxicity
Insulin signaling pathway
Fluid shear stress and atherosclerosis
Apoptosis
Phospholipase D signaling pathway
Phagosome
Renin-angiotensin system
Cellular senescence
Phototransduction
Pentose phosphate pathway
NOD-like receptor signaling pathway
Fructose and mannose metabolism
Tryptophan metabolism
Ras signaling pathway
Arginine and proline metabolism
Shigellosis
Glutathione metabolism
Cytosolic DNA-sensing pathway
Glycolysis / Gluconeogenesis
Long-term potentiation
Fc epsilon RI signaling pathway
Amphetamine addiction
Renin secretion
Epithelial cell signaling in Helicobacter pylori infection

RIG-I-like receptor signaling pathway
MAPK signaling pathway
PPAR signaling pathway
Gastric acid secretion
Leishmaniasis
Antigen processing and presentation
RNA degradation
Complement and coagulation cascades
ErbB signaling pathway
GnRH signaling pathway
Circadian entrainment
Phosphatidylinositol signaling system
Aldosterone synthesis and secretion
Longevity regulating pathway
Th17 cell differentiation
Sphingolipid signaling pathway
Neurotrophin signaling pathway
AMPK signaling pathway
Platelet activation
Oocyte meiosis
Dopaminergic synapse
Vascular smooth muscle contraction
Oxidative phosphorylation
Apelin signaling pathway
Estrogen signaling pathway
Retrograde endocannabinoid signaling
Oxytocin signaling pathway
Ribosome
cGMP-PKG signaling pathway
Tight junction
Protein processing in endoplasmic reticulum
Axon guidance
Rap1 signaling pathway
cAMP signaling pathway
Calcium signaling pathway
PI3K-Akt signaling pathway
Olfactory transduction

Term- Glial cell type
Histidine metabolism
beta-Alanine metabolism
Ether lipid metabolism
Arginine and proline metabolism
Regulation of actin cytoskeleton
Fc gamma R-mediated phagocytosis
Vascular smooth muscle contraction
Cell adhesion molecules
Folate biosynthesis
Rap1 signaling pathway
Ferroptosis
Fat digestion and absorption
ABC transporters
Ras signaling pathway
Sphingolipid metabolism
Hedgehog signaling pathway
Mineral absorption
Arachidonic acid metabolism
Glycerolipid metabolism
Central carbon metabolism in cancer
Inositol phosphate metabolism
Insulin secretion
Phosphatidylinositol signaling system
Glycerophospholipid metabolism
HIF-1 signaling pathway
Leukocyte transendothelial migration
Lysosome
Apoptosis
Signaling pathways regulating pluripotency of stem cells
Phospholipase D signaling pathway
cGMP-PKG signaling pathway
Tight junction
Calcium signaling pathway
Endocytosis
MAPK signaling pathway
PI3K-Akt signaling pathway

Term-endothelial cell type
Phagosome
Complement and coagulation cascades
Pertussis
Gap junction
Osteoclast differentiation
Systemic lupus erythematosus
Apoptosis
Leukocyte transendothelial migration
Platelet activation
Natural killer cell mediated cytotoxicity
Protein export
Hippo signaling pathway
Tight junction
Protein processing in endoplasmic reticulum
SNARE interactions in vesicular transport
Neutrophil extracellular trap formation
Ferroptosis
Regulation of actin cytoskeleton
Vasopressin-regulated water reabsorption
Basal transcription factors
Arginine and proline metabolism
Cholesterol metabolism
Shigellosis
Mineral absorption
Fc epsilon RI signaling pathway
Adherens junction
Gastric acid secretion
Bacterial invasion of epithelial cells
Synaptic vesicle cycle
Antigen processing and presentation
Insulin secretion
ECM-receptor interaction
Salivary secretion
IL-17 signaling pathway
Fc gamma R-mediated phagocytosis
Hematopoietic cell lineage
Longevity regulating pathway
C-type lectin receptor signaling pathway
Parathyroid hormone synthesis, secretion and action
Ribosome biogenesis in eukaryotes
Serotonergic synapse
Sphingolipid signaling pathway
Neurotrophin signaling pathway
Thyroid hormone signaling pathway
Cell cycle
Lysosome

Oocyte meiosis
Yersinia infection
Ubiquitin mediated proteolysis
Phospholipase D signaling pathway
Oxytocin signaling pathway
NOD-like receptor signaling pathway
Focal adhesion
Lipid and atherosclerosis
Thermogenesis
MAPK signaling pathway
PI3K-Akt signaling pathway

Term-Neural Stem cell type

Cell cycle

Oocyte meiosis

Progesterone-mediated oocyte maturation

Cellular senescence

Base excision repair

Fanconi anemia pathway

Pyrimidine metabolism

Glutathione metabolism

p53 signaling pathway

ECM-receptor interaction

Drug metabolism

AMPK signaling pathway

Purine metabolism

Ubiquitin mediated proteolysis

RNA transport

Regulation of actin cytoskeleton

Term-T cell type
Ribosome
Primary immunodeficiency
Th1 and Th2 cell differentiation
Hematopoietic cell lineage
T cell receptor signaling pathway
Th17 cell differentiation
Cytokine-cytokine receptor interaction
PD-L1 expression and PD-1 checkpoint pathway in cancer
Viral protein interaction with cytokine and cytokine receptor
JAK-STAT signaling pathway
Fc gamma R-mediated phagocytosis
Lysosome
Cell adhesion molecules
Chemokine signaling pathway
Intestinal immune network for IgA production
Sphingolipid metabolism
Endocytosis
Cytosolic DNA-sensing pathway
Mitophagy
Epithelial cell signaling in Helicobacter pylori infection
Salivary secretion
PI3K-Akt signaling pathway
Toll-like receptor signaling pathway
NF-kappa B signaling pathway
TNF signaling pathway
Leukocyte transendothelial migration
Natural killer cell mediated cytotoxicity
FoxO signaling pathway
Ubiquitin mediated proteolysis
NOD-like receptor signaling pathway
Axon guidance
Lipid and atherosclerosis
Regulation of actin cytoskeleton
Calcium signaling pathway
Neuroactive ligand-receptor interaction

Term-pericytes cell type
ECM-receptor interaction
Focal adhesion
PI3K-Akt signaling pathway
Amoebiasis
Protein digestion and absorption
Regulation of actin cytoskeleton
AGE-RAGE signaling pathway in diabetic complications
Platelet activation
Purine metabolism
Relaxin signaling pathway
Cell adhesion molecules
Renin-angiotensin system
cGMP-PKG signaling pathway
Various types of N-glycan biosynthesis
N-Glycan biosynthesis
Notch signaling pathway
Renin secretion
Central carbon metabolism in cancer
Complement and coagulation cascades
Cardiac muscle contraction
Gap junction
Morphine addiction
TGF-beta signaling pathway
Choline metabolism in cancer
Hematopoietic cell lineage
Toll-like receptor signaling pathway
Toxoplasmosis
Leukocyte transendothelial migration
Osteoclast differentiation
Lysosome
Oxidative phosphorylation
Systemic lupus erythematosus
Apoptosis
Signaling pathways regulating pluripotency of stem cells
Phospholipase D signaling pathway
JAK-STAT signaling pathway
Protein processing in endoplasmic reticulum
Axon guidance
Rap1 signaling pathway
cAMP signaling pathway
Ras signaling pathway
Calcium signaling pathway
MAPK signaling pathway

T1- The cell-specific pathways of the glioblastoma are reported