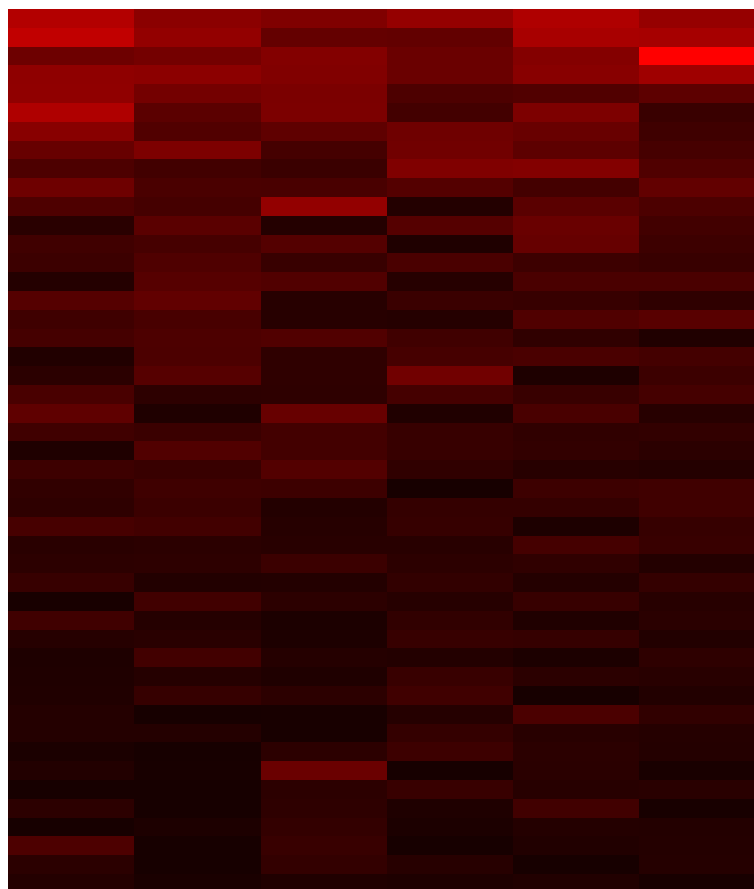


Color Key



1 3 5
Value

AGE Two-way test: $-\log_{10}(\text{p-value})$



hsa00190 Oxidative phosphorylation
hsa04141 Protein processing in endoplasmic reticulum
hsa03010 Ribosome
hsa03040 Spliceosome
hsa04142 Lysosome
hsa04512 ECM-receptor interaction
hsa04510 Focal adhesion
hsa03050 Proteasome
hsa04120 Ubiquitin mediated proteolysis
hsa04144 Endocytosis
hsa04145 Phagosome
hsa03013 RNA transport
hsa03060 Protein export
hsa00970 Aminoacyl-tRNA biosynthesis
hsa00480 Glutathione metabolism
hsa04330 Notch signaling pathway
hsa03018 RNA degradation
hsa04115 p53 signaling pathway
hsa03008 Ribosome biogenesis in eukaryotes
hsa00240 Pyrimidine metabolism
hsa04520 Adherens junction
hsa04612 Antigen processing and presentation
hsa00280 Valine, leucine and isoleucine degradation
hsa01040 Biosynthesis of unsaturated fatty acids
hsa04666 Fc gamma R-mediated phagocytosis
hsa00640 Propanoate metabolism
hsa00510 N-Glycan biosynthesis
hsa00620 Pyruvate metabolism
hsa04310 Wnt signaling pathway
hsa04110 Cell cycle
hsa00563 Glycosylphosphatidylinositol biosynthesis
hsa03015 mRNA surveillance pathway
hsa04710 Circadian rhythm - molecular mechanism
hsa00562 Inositol phosphate metabolism
hsa00360 Phenylalanine metabolism
hsa04070 Phosphatidylinositol signaling system
hsa00340 Histidine metabolism
hsa03420 Nucleotide excision repair
hsa03020 RNA polymerase
hsa04810 Regulation of actin cytoskeleton
hsa04514 Cell adhesion molecules
hsa04114 Oocyte meiosis
hsa00900 Terpenoid backbone biosynthesis
hsa04916 Melanogenesis
hsa04974 Protein digestion and absorption
hsa03410 Base excision repair
hsa00511 Other glycan degradation

DCIS_1

DCIS_2

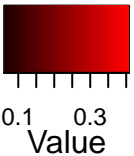
DCIS_3

DCIS_4

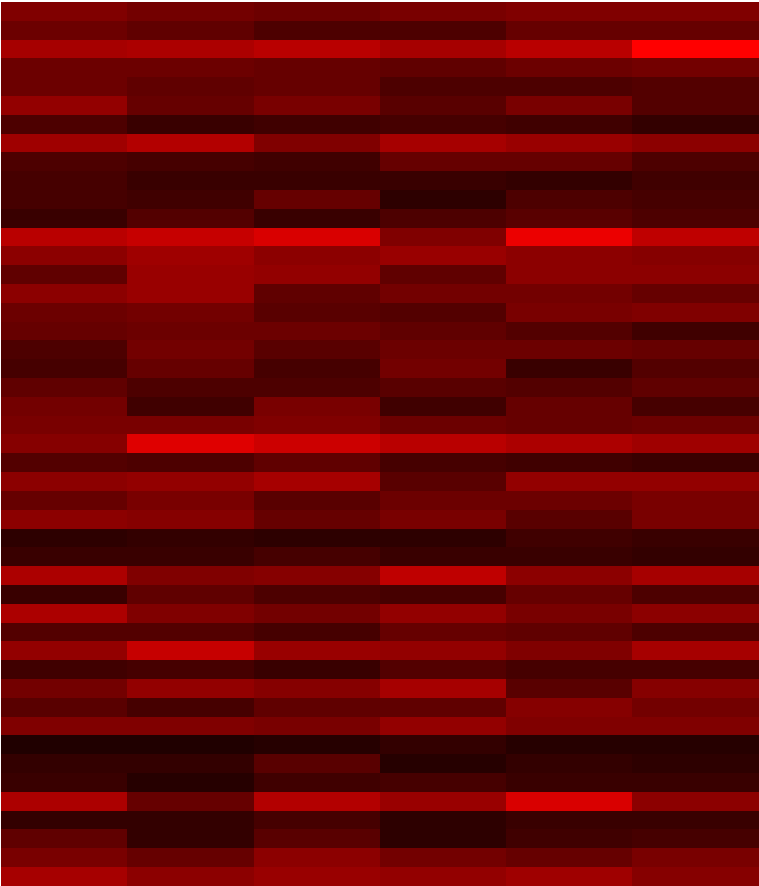
DCIS_5

DCIS_6

Color Key



GAGE test statistics



- hsa00190 Oxidative phosphorylation
- hsa04141 Protein processing in endoplasmic reticulum
- hsa03010 Ribosome
- hsa03040 Spliceosome
- hsa04142 Lysosome
- hsa04512 ECM-receptor interaction
- hsa04510 Focal adhesion
- hsa03050 Proteasome
- hsa04120 Ubiquitin mediated proteolysis
- hsa04144 Endocytosis
- hsa04145 Phagosome
- hsa03013 RNA transport
- hsa03060 Protein export
- hsa00970 Aminoacyl-tRNA biosynthesis
- hsa00480 Glutathione metabolism
- hsa04330 Notch signaling pathway
- hsa03018 RNA degradation
- hsa04115 p53 signaling pathway
- hsa03008 Ribosome biogenesis in eukaryotes
- hsa00240 Pyrimidine metabolism
- hsa04520 Adherens junction
- hsa04612 Antigen processing and presentation
- hsa00280 Valine, leucine and isoleucine metabolism
- hsa01040 Biosynthesis of unsaturated fatty acids
- hsa04666 Fc gamma R-mediated phagocytosis
- hsa00640 Propanoate metabolism
- hsa00510 N-Glycan biosynthesis
- hsa00620 Pyruvate metabolism
- hsa04310 Wnt signaling pathway
- hsa04110 Cell cycle
- hsa00563 Glycosylphosphatidylinositol biosynthesis
- hsa03015 mRNA surveillance pathway
- hsa04710 Circadian rhythm - mammal
- hsa00562 Inositol phosphate metabolism
- hsa00360 Phenylalanine metabolism
- hsa04070 Phosphatidylinositol signaling system
- hsa00340 Histidine metabolism
- hsa03420 Nucleotide excision repair
- hsa03020 RNA polymerase
- hsa04810 Regulation of actin cytoskeleton
- hsa04514 Cell adhesion molecules
- hsa04114 Oocyte meiosis
- hsa00900 Terpenoid backbone biosynthesis
- hsa04916 Melanogenesis
- hsa04974 Protein digestion and absorption
- hsa03410 Base excision repair
- hsa00511 Other glycan degradation

DCIS_1

DCIS_2

DCIS_3

DCIS_4

DCIS_5

DCIS_6