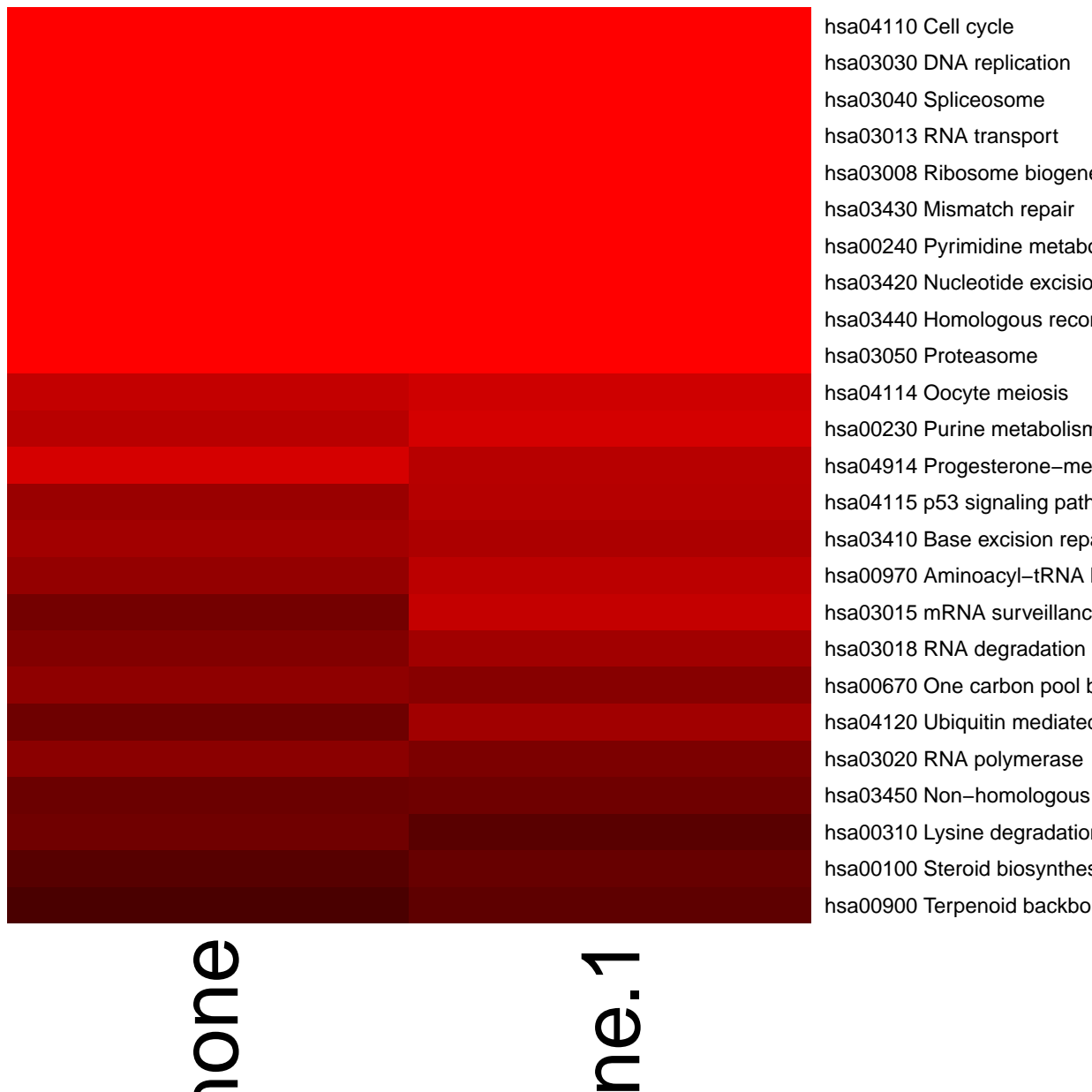


Color Key



2 3 4 5
Value

GAGE Up-test: $-\log_{10}(\text{p-value})$

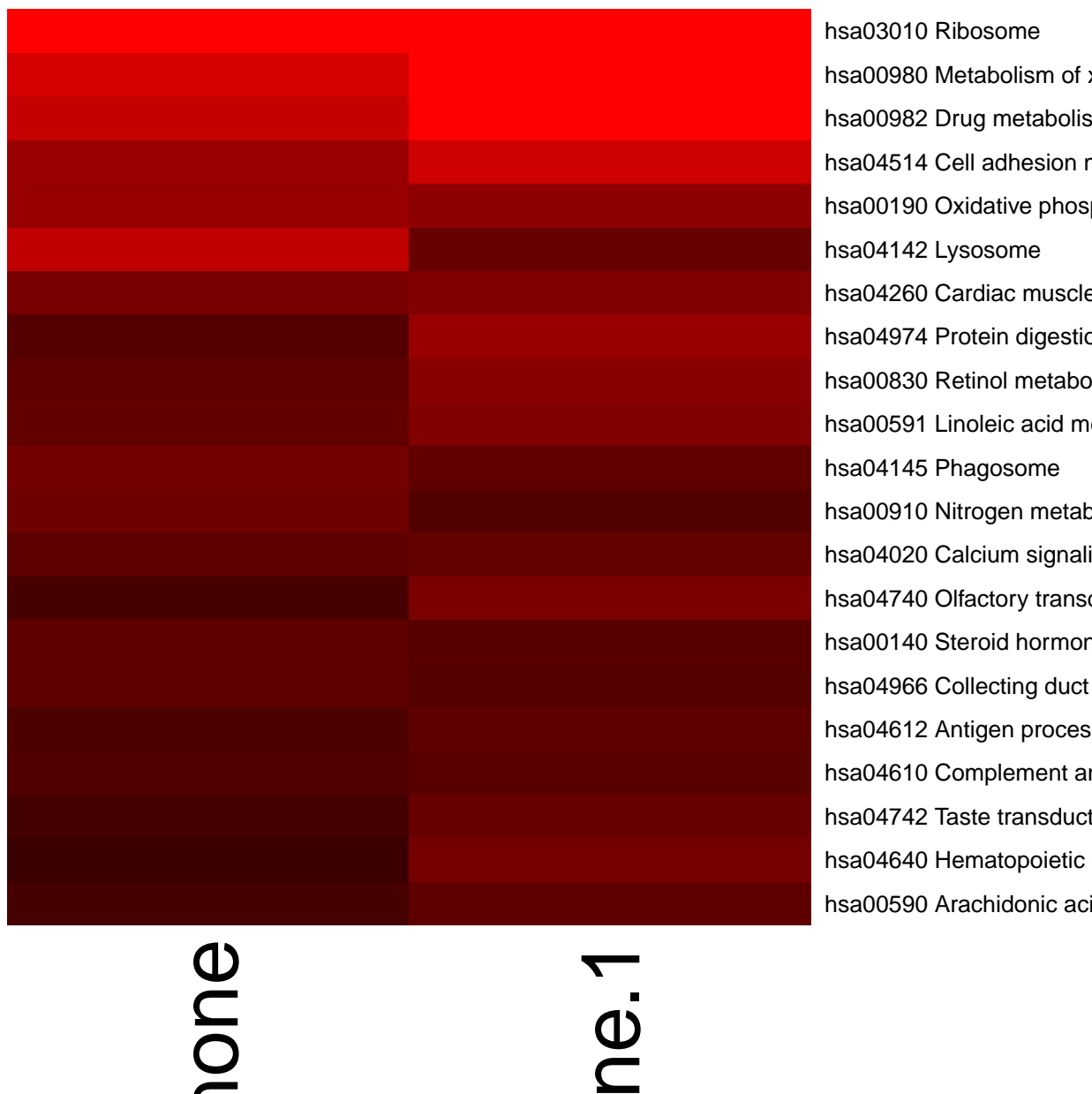


Color Key



2 3 4 5
Value

GAGE Down-test: $-\log_{10}(\text{p-value})$

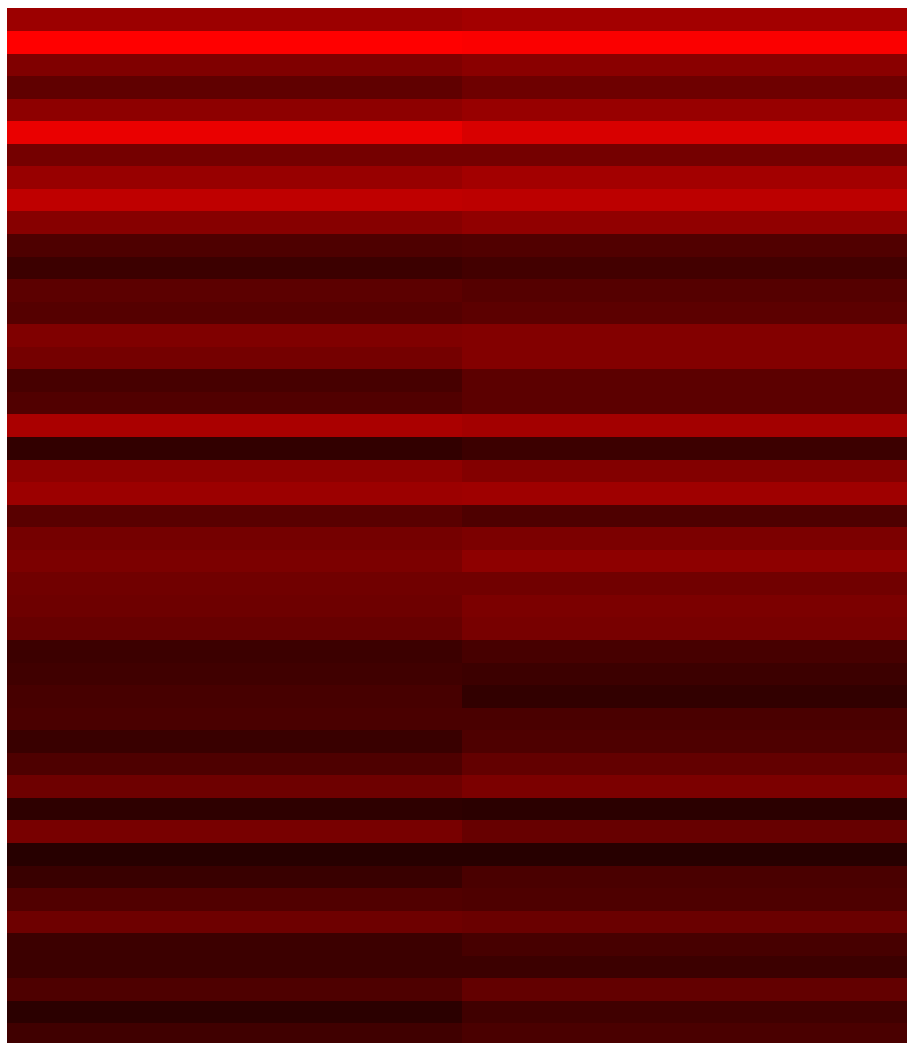


Color Key



0.2 0.4 0.6
Value

GAGE test statistics



hsa04110 Cell cycle
hsa03030 DNA replication
hsa03040 Spliceosome
hsa03013 RNA transport
hsa03008 Ribosome biogenesis
hsa03430 Mismatch repair
hsa00240 Pyrimidine metabolism
hsa03420 Nucleotide excision repair
hsa03440 Homologous recombination
hsa03050 Proteasome
hsa04114 Oocyte meiosis
hsa00230 Purine metabolism
hsa04914 Progesterone-mediated
hsa04115 p53 signaling pathway
hsa03410 Base excision repair
hsa00970 Aminoacyl-tRNA biosynthesis
hsa03015 mRNA surveillance pathway
hsa03018 RNA degradation
hsa00670 One carbon pool by folate
hsa04120 Ubiquitin mediated proteolysis
hsa03020 RNA polymerase
hsa03450 Non-homologous end joining
hsa00310 Lysine degradation
hsa00100 Steroid biosynthesis
hsa00900 Terpenoid backbone biosynthesis
hsa03010 Ribosome
hsa00980 Metabolism of xenobiotics
hsa00982 Drug metabolism - cytochrome P450
hsa04514 Cell adhesion molecules
hsa00190 Oxidative phosphorylation
hsa04142 Lysosome
hsa04260 Cardiac muscle contraction
hsa04974 Protein digestion and absorption
hsa00830 Retinol metabolism
hsa00591 Linoleic acid metabolism
hsa04145 Phagosome
hsa00910 Nitrogen metabolism
hsa04020 Calcium signaling pathway
hsa04740 Olfactory transduction
hsa00140 Steroid hormone biosynthesis
hsa04966 Collecting duct acid secretion
hsa04612 Antigen processing and presentation
hsa04610 Complement and coagulation cascades
hsa04742 Taste transduction
hsa04640 Hematopoietic cell lineage
hsa00590 Arachidonic acid metabolism

none

ne.1