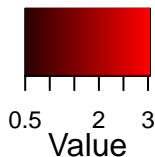
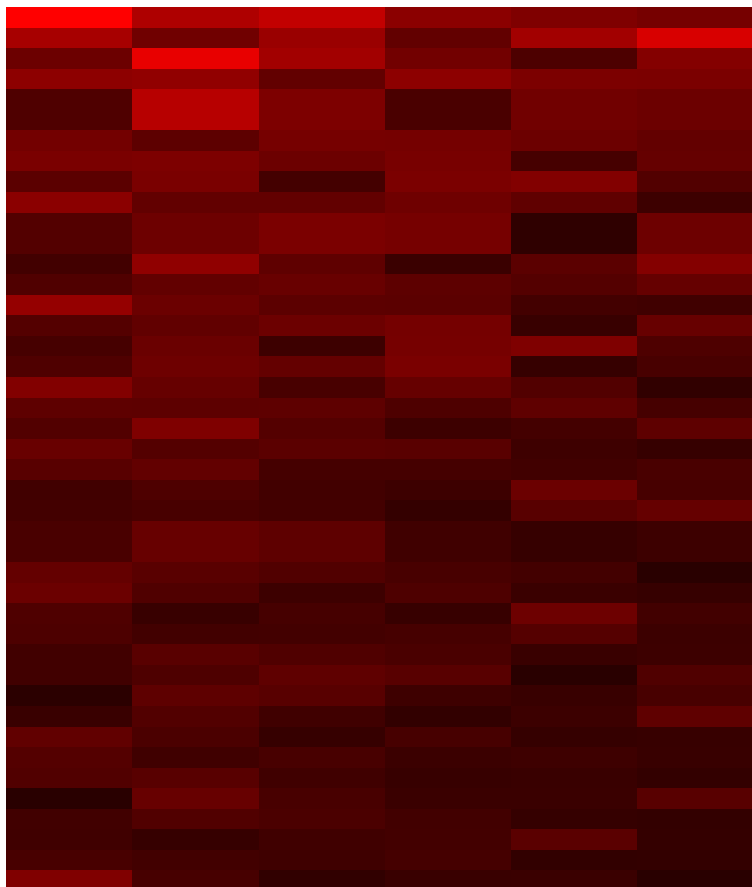


Color Key



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



GO:0001775 cell activation  
GO:0002474 antigen processing  
GO:0006022 aminoglycan meta  
GO:0006029 proteoglycan meta  
GO:0006505 GPI anchor metab  
GO:0006506 GPI anchor biosyn  
GO:0002237 response to molec  
GO:0002520 immune system de  
GO:0001822 kidney developme  
GO:0002682 regulation of immu  
GO:0002263 cell activation durin  
GO:0002366 leukocyte activation  
GO:0005975 carbohydrate meta  
GO:0001990 regulation of syste  
GO:0002684 positive regulation  
GO:0002286 T cell activation du  
GO:0001655 urogenital system m  
GO:0002521 leukocyte differenti  
GO:0003018 vascular process in  
GO:0006486 protein amino acid  
GO:0006516 glycoprotein catab  
GO:0002696 positive regulation  
GO:0001836 release of cytochro  
GO:0006458 'de novo' protein fo  
GO:0006487 protein amino acid  
GO:0006023 aminoglycan biosyn  
GO:0006024 glycosaminoglycan  
GO:0002694 regulation of leuko  
GO:0002250 adaptive immune r  
GO:0006470 protein amino acid  
GO:0003006 reproductive devel  
GO:0003044 regulation of syste  
GO:0002285 lymphocyte activat  
GO:0001570 vasculogenesis  
GO:0005976 polysaccharide me  
GO:0002460 adaptive immune r  
GO:0002685 regulation of leuko  
GO:0006509 membrane protein  
GO:0006497 protein amino acid  
GO:0003073 regulation of syste  
GO:0002377 immunoglobulin pr  
GO:0001763 morphogenesis of  
GO:0002443 leukocyte mediate

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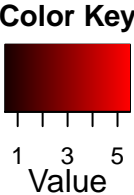
SM410673

SM410674

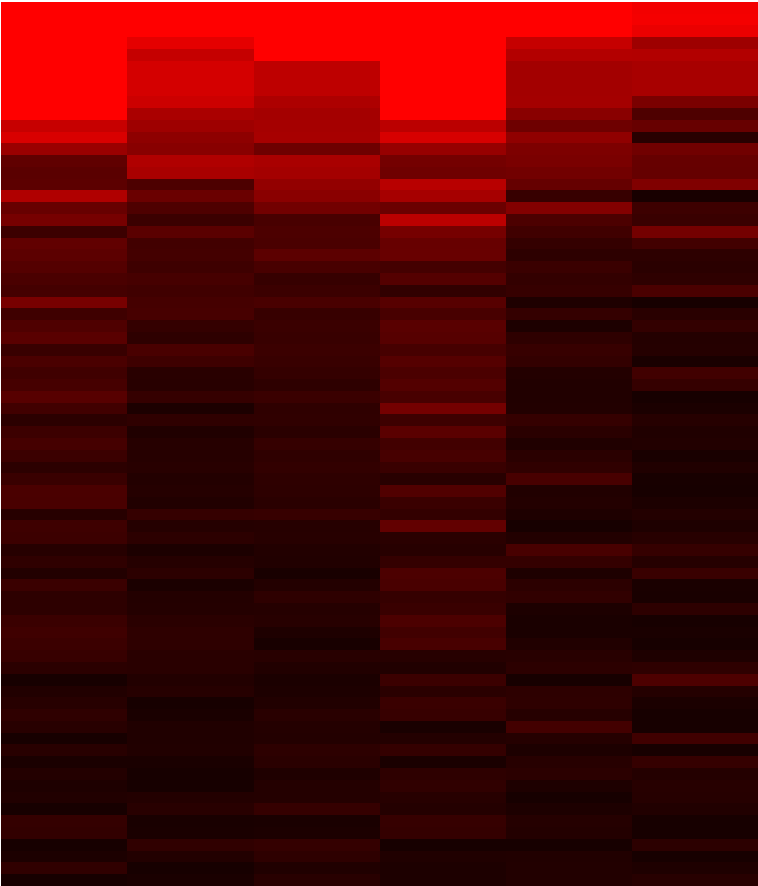
SM410675

SM410676

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



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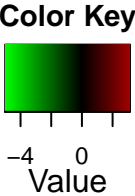
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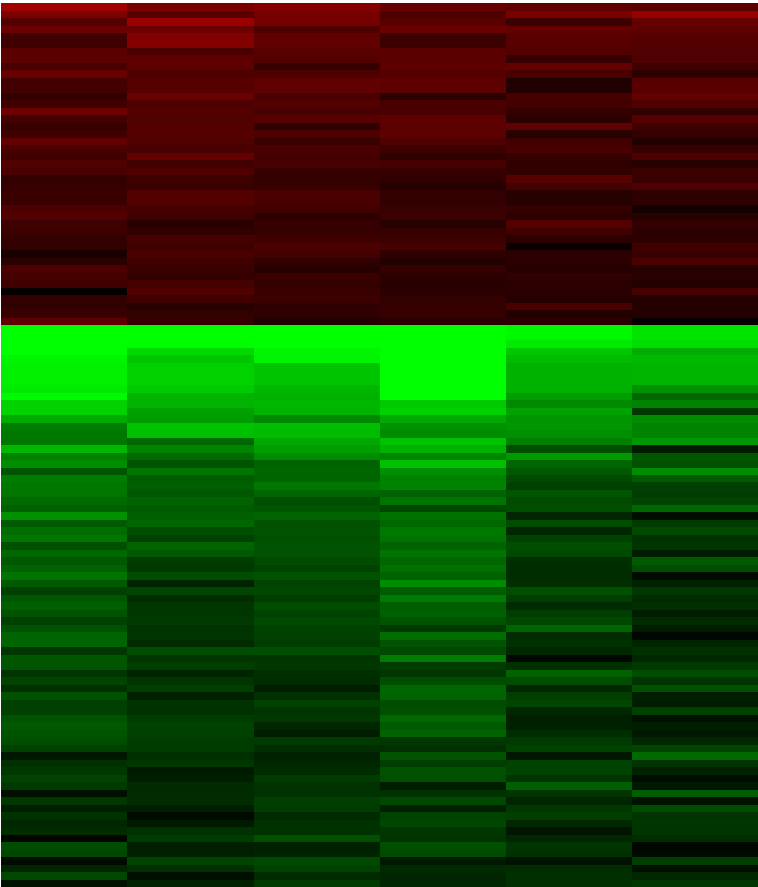
SM410676

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GO:0000087 M phase of mitotic cell cycle  
GO:0000279 M phase  
GO:0006412 translation  
GO:0000377 RNA splicing, via trans-splicing  
GO:0006397 mRNA processing  
GO:0006289 nucleotide-excision repair, base-specific  
GO:0000226 microtubule cytoskeleton organization  
GO:0000819 sister chromatid segregation  
GO:0006259 DNA metabolic process  
GO:0006325 establishment or maintenance of transcription  
GO:0006457 protein folding  
GO:0006297 nucleotide-excision repair, global  
GO:0001756 somitogenesis  
GO:0006268 DNA unwinding during replication  
GO:0006354 RNA elongation  
GO:0006284 base-excision repair  
GO:0000387 spliceosomal snRNP biogenesis  
GO:0006091 generation of precursor microRNA  
GO:0000245 spliceosome assembly  
GO:0006413 translational initiation  
GO:0001707 mesoderm formation  
GO:0000075 cell cycle checkpoint  
GO:0006119 oxidative phosphorylation  
GO:0000187 activation of MAPK cascade  
GO:0006333 chromatin assembly or reorganization  
GO:0006082 organic acid metabolic process  
GO:0006338 chromatin remodeling  
GO:0006403 RNA localization  
GO:0001502 cartilage condensation  
GO:0001933 negative regulation of protein synthesis  
GO:0006446 regulation of translation  
GO:0002228 natural killer cell mediated cytotoxicity  
GO:0003015 heart process  
GO:0000041 transition metal ion transport  
GO:0001523 retinoid metabolic process  
GO:0006099 tricarboxylic acid cycle  
GO:0006520 amino acid metabolic process  
GO:0003012 muscle system process



# GAGE test statistics



- GO:0001775 cell activation
- GO:0006029 proteoglycan metabolism
- GO:0002237 response to molecule of
- GO:0002682 regulation of immune s
- GO:0005975 carbohydrate metabolic
- GO:0002286 T cell activation during
- GO:0003018 vascular process in circ
- GO:0002696 positive regulation of le
- GO:0006487 protein amino acid N-li
- GO:0002694 regulation of leukocyte
- GO:0003006 reproductive developme
- GO:0001570 vasculogenesis
- GO:0002685 regulation of leukocyte
- GO:0003073 regulation of systemic a
- GO:0002443 leukocyte mediated imm
- GO:0000279 M phase
- GO:0000375 RNA splicing, via trans
- GO:0006397 mRNA processing
- GO:0006281 DNA repair
- GO:0000819 sister chromatid segreg
- GO:0001654 eye development
- GO:0006457 protein folding
- GO:0000718 nucleotide-excision rep
- GO:0006268 DNA unwinding during
- GO:0006418 tRNA aminoacylation fo
- GO:0000387 spliceosomal snRNP bi
- GO:0002088 lens development in ca
- GO:0006413 translational initiation
- GO:0006399 tRNA metabolic proces
- GO:0006119 oxidative phosphorylati
- GO:0000059 protein import into nucl
- GO:0006082 organic acid metabolic
- GO:0006310 DNA recombination
- GO:0001502 cartilage condensation
- GO:0006461 protein complex assem
- GO:0002228 natural killer cell media
- GO:0002027 regulation of heart rate
- GO:0001523 retinoid metabolic proc
- GO:0003001 generation of a signal in
- GO:0003012 muscle system process

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