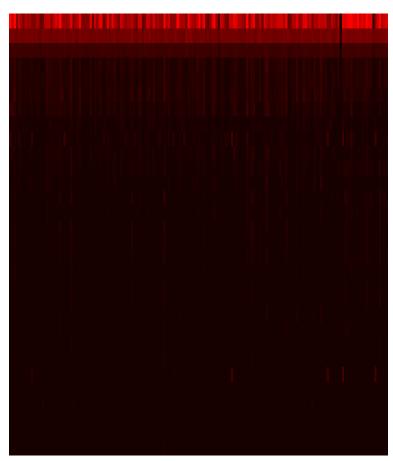
## **Color Key**



## AGE Two-way test: -log10(p-value)



hsa04971 Gastric acid secre hsa04970 Salivary secretion hsa00010 Glycolysis / Gluco hsa04145 Phagosome hsa00860 Porphyrin and chlo hsa04612 Antigen processin hsa04540 Gap junction hsa04720 Long-term potent hsa04976 Bile secretion hsa04114 Oocyte meiosis hsa04962 Vasopressin-regu hsa04722 Neurotrophin sign hsa04740 Olfactory transduc hsa04912 GnRH signaling p hsa04966 Collecting duct ac hsa04270 Vascular smooth r hsa04916 Melanogenesis hsa04973 Carbohydrate dige hsa04130 SNARE interaction hsa04020 Calcium signaling

hsa04070 Phosphatidylinosi hsa04141 Protein processing hsa04670 Leukocyte transer hsa00590 Arachidonic acid r hsa04972 Pancreatic secreti hsa04810 Regulation of action hsa04910 Insulin signaling p

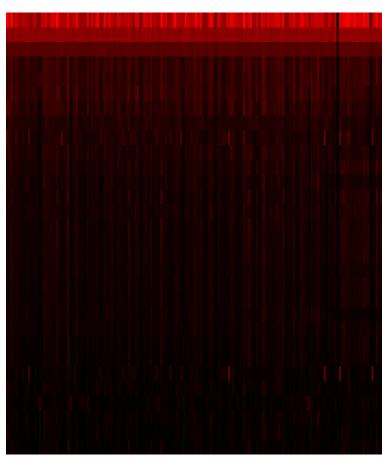
hsa03010 Ribosome hsa00190 Oxidative phospho hsa04260 Cardiac muscle co

510 120515 52 120416 689 120641 578 120521 672 120530 672 120530 34 120562 708 120503 34 120503 34 120503 34 120604 404 120503 359 120503 359 120503 369 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120403 370 120603 370 13003 

## **Color Key**



## **GAGE** test statistics



hsa03010 Ribosome hsa00190 Oxidative phospho hsa04260 Cardiac muscle co hsa04971 Gastric acid secre hsa04970 Salivary secretion hsa00010 Glycolysis / Gluco hsa04145 Phagosome hsa00860 Porphyrin and chlo hsa04612 Antigen processin hsa04540 Gap junction hsa04720 Long-term potent hsa04976 Bile secretion hsa04114 Oocyte meiosis hsa04962 Vasopressin-regu hsa04722 Neurotrophin sign hsa04740 Olfactory transduc hsa04912 GnRH signaling p hsa04966 Collecting duct ac hsa04270 Vascular smooth r hsa04916 Melanogenesis hsa04973 Carbohydrate dige hsa04130 SNARE interaction hsa04020 Calcium signaling hsa04070 Phosphatidylinosi hsa04141 Protein processing hsa04670 Leukocyte transer hsa00590 Arachidonic acid r

hsa04972 Pancreatic secreti hsa04810 Regulation of actii hsa04910 Insulin signaling p

510, 120515 52, 120416 689, 120640 578, 120521 578, 120531 316, 120533 316, 120533 316, 120533 316, 120533 316, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 31776, 120503 3177776, 120503 317776, 120503 317776, 120503 317776, 120503