Defective B3GAT3 causes JDSSDHD\_Homo sapiens\_R-HSA-3560801 Metabolism Homo sapiens R-HSA-1430728 Host Interactions of HIV factors Homo sapiens R-HSA-162909 Gluconeogenesis Homo sapiens R-HSA-70263 Glycolysis\_Homo sapiens\_R-HSA-70171 Negative regulation of MAPK pathway\_Homo sapiens\_R-HSA-5675221 The citric acid (TCA) cycle and respiratory electron transport\_Homo sapiens\_R-HSA-1428517 Pyruvate metabolism\_Homo sapiens\_R-HSA-70268 TNFs bind their physiological receptors\_Homo sapiens\_R-HSA-5669034 MAP2K and MAPK activation\_Homo sapiens\_R-HSA-5674135 PKMTs methylate histone lysines Homo sapiens R-HSA-3214841 PPARA activates gene expression Homo sapiens R-HSA-1989781 Regulation of lipid metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha) Homo sapiens R-HSA-400206 Signaling by WNT in cancer Homo sapiens R-HSA-4791275 Signaling by ERBB4\_Homo sapiens\_R-HSA-1236394 Downstream signaling of activated FGFR4 Homo sapiens R-HSA-5654716 Downstream signaling of activated FGFR2 Homo sapiens R-HSA-5654696 Downstream signaling of activated FGFR3\_Homo sapiens\_R-HSA-5654708 Signaling by SCF-KIT Homo sapiens R-HSA-1433557 Interleukin-2 signaling Homo sapiens R-HSA-451927 SHC-mediated cascade:FGFR3\_Homo sapiens\_R-HSA-5654704 Pyruvate metabolism and Citric Acid (TCA) cycle\_Homo sapiens\_R-HSA-71406 Transcriptional regulation of white adipocyte differentiation Homo sapiens R-HSA-381340 Gastrin-CREB signalling pathway via PKC and MAPK\_Homo sapiens\_R-HSA-881907 Metabolism of carbohydrates\_Homo sapiens\_R-HSA-71387 Ion transport by P-type ATPases Homo sapiens R-HSA-936837 Disease Homo sapiens R-HSA-1643685 Signaling by the B Cell Receptor (BCR) Homo sapiens R-HSA-983705 Fc epsilon receptor (FCERI) signaling Homo sapiens R-HSA-2454202 Signalling by NGF\_Homo sapiens\_R-HSA-166520 Signaling by Interleukins\_Homo sapiens\_R-HSA-449147 SHC-mediated cascade:FGFR4\_Homo sapiens\_R-HSA-5654719 SHC-mediated cascade:FGFR2\_Homo sapiens\_R-HSA-5654699 Rho GTPase cycle Homo sapiens R-HSA-194840 Metabolism of polyamines Homo sapiens R-HSA-351202 JNK (c-Jun kinases) phosphorylation and activation mediated by activated human TAK1\_Homo sapiens\_R-HSA-450321 Interleukin-3, 5 and GM-CSF signaling Homo sapiens R-HSA-512988 Interleukin receptor SHC signaling Homo sapiens R-HSA-912526 Heparan sulfate/heparin (HS-GAG) metabolism Homo sapiens R-HSA-1638091 FGFR4 ligand binding and activation Homo sapiens R-HSA-190322 Diseases of signal transduction\_Homo sapiens\_R-HSA-5663202 activated TAK1 mediates p38 MAPK activation Homo sapiens R-HSA-450302 Chondroitin sulfate/dermatan sulfate metabolism Homo sapiens R-HSA-1793185 Signaling by FGFR4 Homo sapiens R-HSA-5654743 Downstream signaling of activated FGFR1\_Homo sapiens\_R-HSA-5654687 Signaling by FGFR3\_Homo sapiens\_R-HSA-5654741 Ion channel transport\_Homo sapiens\_R-HSA-983712 SOS-mediated signalling\_Homo sapiens\_R-HSA-112412 Signaling by EGFR\_Homo sapiens\_R-HSA-177929 SHC1 events in ERBB4 signaling\_Homo sapiens\_R-HSA-1250347 Regulation of pyruvate dehydrogenase (PDH) complex Homo sapiens R-HSA-204174 RAF/MAP kinase cascade Homo sapiens R-HSA-5673001 HS-GAG biosynthesis Homo sapiens R-HSA-2022928 NGF signalling via TRKA from the plasma membrane Homo sapiens R-HSA-187037 isCdHet10ppm s10ppm

8

6

4

2