| glutamate-5-semialdehyde dehydrogenase activity- | | | | |
|---|-------------|---------------------------------------|---------------------------------------|--|
| glutamate 5-kinase activity- | | catalytic activity | catalytic activity | |
| proline catabolic process- | | | | |
| ornithine biosynthetic process- | • | | | |
| methionyl-tRNA aminoacylation- | | | | |
| methionine catabolic process- | | cellular amino acid metabolic process | | |
| citrulline biosynthetic process- | | | | |
| 4-hydroxyproline catabolic process- | | | | |
| amide biosynthetic process- | • | cellular nitrogen compound | | |
| negative regulation of cytoplasmic translational initiation in response to stress- | • | cytoplasmic translation | | |
| catalysis of the reaction: 2 L-glutamate + NAD+ = 2-oxoglutarate + L-glutamine + H+ + NADH- | | glutamate synthase (NADH) activity | | |
| glutamate dehydrogenase [NAD(P)+] activity- | | | | |
| catalysis of the formation of L-glutamine and 2-oxoglutarate from L-glutamate- | | glutamate synthase activity | | |
| catalysis of the reaction: ATP + L-glutamate + NH4+ = ADP + H+ + L-glutamine + phosphate | | glutamine synthetase activity | | |
| the directed movement of glutamine, 2-amino-4-carbamoylbutanoic acid- | | glutamine transport | | |
| Hsp90 protein binding- | | | Number of Genes | |
| Hsp70 protein binding- | | heat shock protein binding | 500 1000 | |
| spermine acetylation- | | | 1500 | |
| spermidine acetylation- | • | | Adjusted p-value 0.04 0.03 0.02 0.01 | |
| regulation of protein metabolic process- | | | | |
| putrescine acetylation- | | nitrogen compound metabolic process | | |
| positive regulation of RNA biosynthetic process- | | | | |
| nor-spermidine metabolic process- | | | | |
| protein phosphorylation- | | protein metabolic process | | |
| response to melanocyte-stimulating hormone- | | | | |
| cellular response to histidine- | | | | |
| cellular response to gonadotropin-releasing hormone- | • | | | |
| cellular response to diamide- | • | response to nitrogen compound | | |
| cellular response to cGMP- | | | | |
| cellular response to benomyl- | | | | |
| response to food- | | | | |
| positive regulation of cellular response to amino acid starvation- | • | | | |
| negative regulation of appetite- | | response to nutrient levels | | |
| chemotaxis to folate- | | | | |
| response to hypoxia- | | | | |
| response to heat- | | | | |
| eiF2alpha phosphorylation in response to endoplasmic reticulum stress- | | response to stress | | |
| cellular stress response to acidic pH- | | | | |
| | terns terns | | | |
| KG. | 30.terms | | | |

Method