| | Ctrol | Hyp_2h | Hyp_6h | Hyp_5d | Hyp_6d | Reox | Reco | |
|---|-------|--------|--------|--------|--------|------|--------------|---|
| mitochondrial electron transport, cytochrome c to oxygen - tricarboxylic acid cycle - | | | | | | | | |
| mitochondrial electron transport, NADH to ubiquinone - mitochondrial ATP synthesis coupled electron transport - | | | | | | | | |
| aerobic electron transport chain - electron transport chain - | | | | | | | | |
| ATP synthesis coupled electron transport - respiratory electron transport chain - | | | | | | | | |
| oxidative phosphorylation - | | | | | | | | |
| aerobic respiration - energy derivation by oxidation of organic compounds - | | | | | | | | |
| cellular respiration - generation of precursor metabolites and energy - | | | | | | | | |
| phosphatidylinositol biosynthetic process - nucleobase-containing compound catabolic process - | | | | | | | | |
| macromolecule catabolic process - DNA metabolic process - | | | | | | - | | |
| secondary alcohol biosynthetic process - cholesterol biosynthetic process - | | | | | | | | |
| nucleic acid catabolic process - glycerophospholipid metabolic process - | | | | | | | | |
| deoxyribonucleotide biosynthetic process - dicarboxylic acid metabolic process - | | | | | | | | |
| phosphatidylinositol metabolic process - nicotinamide nucleotide metabolic process - | | | | | | | | |
| pyridine nucleotide metabolic process - ribonucleoside diphosphate metabolic process - | | | | | | | | |
| nucleotide catabolic process - monosaccharide biosynthetic process - | | | | | | | | |
| hexose biosynthetic process - nucleoside diphosphate catabolic process - | | | | | | | | |
| nucleoside phosphate catabolic process - organophosphate metabolic process - | | | | | | | | |
| purine–containing compound biosynthetic process - purine ribonucleotide biosynthetic process - | | | | | | | | |
| ribonucleotide catabolic process - purine ribonucleotide catabolic process - | | | | | | | | |
| nucleoside phosphate biosynthetic process - purine nucleotide catabolic process - | | | | | | | | |
| purine–containing compound catabolic process - ADP catabolic process - | | | | | | | | |
| ADP metabolic process - ribonucleoside diphosphate catabolic process - | | | | | | | | |
| purine ribonucleoside diphosphate catabolic process - purine ribonucleoside diphosphate metabolic process - | | | | | | | | Para Cara |
| purine nucleoside diphosphate catabolic process - purine nucleoside diphosphate metabolic process - | | | | | | | | direction |
| glycolytic process - pyridine nucleotide catabolic process - | | | | | | | | upregulated |
| monocarboxylic acid metabolic process - | | | | | | | | downregulated |
| pyruvate metabolic process - organic acid metabolic process - | | | | | | | • | term size |
| nucleotide metabolic process - carboxylic acid metabolic process - | | | - | | | - | • | |
| ribose phosphate metabolic process - small molecule metabolic process - | | • | | | | | | - 100 |
| purine nucleotide metabolic process - oxoacid metabolic process - | | | | | | | | 200 |
| ribonucleoside triphosphate biosynthetic process - ribonucleotide metabolic process - | | | | | | | | 3 00 |
| purine ribonucleoside triphosphate biosynthetic process - purine nucleoside triphosphate biosynthetic process - | | | | | | | | 4 00 |
| nucleobase–containing small molecule metabolic process - ATP biosynthetic process - | | | | | | | | ,,,, |
| purine ribonucleotide metabolic process - nucleoside triphosphate biosynthetic process - | | | | | | | | • 500 |
| proton motive force—driven ATP synthesis - purine—containing compound metabolic process - | | | | | | | | |
| nucleoside phosphate metabolic process - ATP metabolic process - | | | | | | | | GO ancestor term |
| purine ribonucleoside triphosphate metabolic process - ribonucleoside triphosphate metabolic process - | | | | | | | | immune system process |
| purine nucleoside triphosphate metabolic process - nucleoside triphosphate metabolic process - | | | | | | | | metabolic process |
| defense response - activation of immune response - | | | | | | | | response to stress |
| positive regulation of immune response - regulation of immune response - | | | | | | | | |
| defense response to other organism - defense response to symbiont - | | | | | | | | |
| innate immune response - immune response - | | | | | | | | |
| DNA damage response - DNA repair - | | | | | | | | |
| innate immune response–activating signaling pathway - pattern recognition receptor signaling pathway - | | | | | | | | |
| activation of innate immune response - toll–like receptor signaling pathway - | | | | | | | | |
| positive regulation of innate immune response - regulation of innate immune response - | | | | | | | | |
| positive regulation of defense response - regulation of defense response - | | | | | | | | |
| immune response–regulating signaling pathway - immune response–activating signaling pathway - | | | | | | | | |
| immune system process - cellular response to stress - | | | | | | | | |
| regulation of response to stress - response to stress - | | | | | | | | |
| amide metabolic process - glutathione metabolic process - | | | | | | | | |
| DNA recombination - DNA catabolic process - | | | | | | | | |
| peptidoglycan metabolic process - glycerolipid metabolic process - | | | | | | | | |
| sterol metabolic process - pyridine-containing compound metabolic process - | | | | | | | | |
| cellular modified amino acid metabolic process - tricarboxylic acid metabolic process - | | | | | | | | |
| pyridine–containing compound catabolic process - carbohydrate catabolic process - | | | | | | | | |
| protein refolding - | | | | | | | | |
| sulfur compound metabolic process - heterochromatin formation - regulatory ncRNA mediated beterochromatin formation - | | | | | | | | |
| regulatory ncRNA-mediated heterochromatin formation - spliceosomal complex disassembly - | | | | | | | | |
| glycoside catabolic process - glycoside metabolic process - regulatory pcPNA mediated gene silencing - | | | | | | | | |
| regulatory ncRNA-mediated gene silencing - negative regulation of cellular metabolic process - | | | | | | | | |
| negative regulation of gene expression - | Ctroj | 4/2 | 4/2 | 4/2 | 4 | Reat | Peco | |
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