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| --- | --- | --- | --- | --- | --- |
|   |   | Early > Mid | Mid > Early | Late > Mid | Mid > Late |
|  Translation, ribosomal structure and biogenesis | J | 2.9 | 2.1 | 0.0 | 10.2 |
|  RNA processing and modification | A | 0.0 | 0.0 | 0.0 | 0.0 |
|  Transcription | K | 1.1 | 0.8 | 0.0 | 4.2 |
|  Replication, recombination and repair | L | 0.3 | 0.9 | 0.0 | 2.4 |
|  Chromatin structure and dynamics | B | 0.0 | 0.0 | 0.0 | 0.0 |
|  Cell cycle control, cell division, chromosome partitioning | D | 0.1 | 0.2 | 0.0 | 0.9 |
|  Nuclear structure | Y | 0.0 | 0.0 | 0.0 | 0.0 |
|  Defense mechanisms | V | 0.1 | 0.0 | 0.0 | 0.2 |
|  Signal transduction mechanisms | T | 2.1 | 2.2 | 0.0 | 10.7 |
|  Cell wall/membrane/envelope biogenesis | M | 0.6 | 1.5 | 0.0 | 5.5 |
|  Cell motility | N | 1.1 | 1.6 | 0.0 | 7.4 |
|  Cytoskeleton | Z | 0.0 | 0.0 | 0.0 | 0.0 |
|  Extracellular structures | W | 0.0 | 0.0 | 0.0 | 0.0 |
|  Intracellular trafficking, secretion, and vesicular transport | U | 0.5 | 0.9 | 0.0 | 3.7 |
|  Posttranslational modification, protein turnover, chaperones | O | 0.5 | 1.3 | 0.0 | 3.8 |
|  Energy production and conversion | C | 1.1 | 3.9 | 0.0 | 9.7 |
|  Carbohydrate transport and metabolism | G | 0.3 | 0.9 | 0.0 | 3.7 |
|  Amino acid transport and metabolism | E | 1.1 | 2.2 | 0.0 | 10.3 |
|  Nucleotide transport and metabolism | F | 0.5 | 0.6 | 0.0 | 3.2 |
|  Coenzyme transport and metabolism | H | 0.8 | 0.6 | 0.0 | 4.6 |
|  Lipid transport and metabolism | I | 0.3 | 0.6 | 0.0 | 2.6 |
|  Inorganic ion transport and metabolism | P | 0.6 | 1.1 | 0.0 | 2.1 |
|  Secondary metabolites biosynthesis, transport and catabolism | Q | 0.0 | 0.1 | 0.0 | 1.1 |
|  General function prediction only | R | 0.5 | 1.7 | 0.0 | 5.9 |
|  Function unknown | S | 0.1 | 1.2 | 0.0 | 3.9 |