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| Amino acid biosynthesis | Cellular processes | Energy metabolism | Purines, pyrimidines, nucleosides, and nucleotides | Transport and binding proteins | Conserved hypothetical proteins |
| Biosynthesis of cofactors, prosthetic groups, and carriers | Central intermediary metabolism | Fatty acid and phospholipid metabolism | Regulatory functions and signal transduction | Other categories | Hypothetical proteins |
| Cell envelope | DNA metabolism | Protein synthesis and fate | Transcription | Unknown function | Disrupted reading frame |