

SOMETHING COG

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Abstract

Materials and Methods

Results

Discussion

Acknowledgements

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Logistic Regression

COG Abbreviation	COG Category	<i>E. coli</i> Chromosome	<i>B. subtilis</i> Chromosome	<i>Streptomyces</i> Chromosome	<i>S. meliloti</i> Chromosome	<i>S. meliloti</i> pSymA	<i>S. meliloti</i> pSymB
C	Energy Production and Conversion	2.40×10^{-7}	4.10×10^{-7}	-2.94×10^{-7}	NA	NA	NA
E	Amino Acid Transport and Metabolism	4.53×10^{-7}	NA	-1.97×10^{-7}	2.66×10^{-7}	-2.08×10^{-6}	-9.45×10^{-7}
F	Nucleotide Transport and Metabolism	NA	-7.49×10^{-7}	-1.86×10^{-7}	-6.68×10^{-7}	-1.15×10^{-6}	NA
G	Carbohydrate Transport and Metabolism	NA	NA	NA	-2.53×10^{-7}	9.78×10^{-7}	2.05×10^{-6}
H	Coenzyme Transport and Metabolism	NA	-4.07×10^{-7}	-1.11×10^{-7}	-1.20×10^{-6}	-9.83×10^{-7}	-1.45×10^{-6}
I	Lipid Transport and Metabolism	4.51×10^{-7}	3.74×10^{-7}	-2.01×10^{-7}	NA	2.01×10^{-6}	1.84×10^{-6}
J	Translation, Ribosomal Structure and Biogenesis	NA	-7.13×10^{-7}	-1.36×10^{-7}	1.23×10^{-6}	-1.51×10^{-6}	-1.15×10^{-6}
K	Transcription	2.22×10^{-7}	7.62×10^{-7}	NA	NA	NA	-4.17×10^{-6}
L	Replication, Recombination and Repair	2.95×10^{-7}	NA	-1.17×10^{-7}	NA	1.42×10^{-6}	NA
M	Cell Wall/Membrane/Envelope Biogenesis	NA	5.18×10^{-7}	-8.05×10^{-8}	4.59×10^{-7}	1.63×10^{-6}	5.41×10^{-6}
N	Cell Motility	-7.74×10^{-7}	1.01×10^{-6}	-2.04×10^{-7}	NA	NA	NA
O	Posttranslational Modification, Protein Turnover, Chaperones	3.37×10^{-7}	3.51×10^{-7}	-7.75×10^{-8}	3.47×10^{-7}	NA	1.08×10^{-6}
P	Inorganic Ion Transport and Metabolism	NA	NA	-1.68×10^{-7}	5.36×10^{-7}	NA	-2.05×10^{-6}
Q	Secondary Metabolites Biosynthesis, Transport and Catabolism	NA	NA	NA	NA	4.28×10^{-6}	3.81×10^{-6}
T	Signal Transduction Mechanisms	NA	NA	1.52×10^{-7}	1.85×10^{-6}	NA	NA
U	Intracellular Trafficking, Secretion, and Vesicular Transport	NA	NA	NA	8.62×10^{-7}	NA	NA
V	Defense Mechanisms	3.75×10^{-7}	7.15×10^{-7}	-1.21×10^{-7}	4.24×10^{-7}	NA	NA
W	Extracellular Structures	-3.23×10^{-6}	NA	9.06×10^{-7}	NA	NA	NA
X	Mobilome: Prophages, Transposons	-1.09×10^{-6}	-1.81×10^{-6}	4.32×10^{-7}	1.67×10^{-6}	NA	-3.35×10^{-6}
R	General Function Prediction Only	2.61×10^{-7}	3.20×10^{-7}	-6.91×10^{-8}	9.49×10^{-7}	NA	NA
S	Function Unknown	-1.43×10^{-6}	-1.19×10^{-6}	4.62×10^{-7}	-7.44×10^{-7}	2.53×10^{-5}	4.14×10^{-5}