SOMETHING COG

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Abstract

Materials and Methods

Results

Discussion

 ${\bf Acknowledgements}$

Figures

Supplementary Figures

Logistic Regression

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