



**(c)**

X: Mobilome: prophages, transposons	22	40	-18
V: Defense mechanisms	101	40	61
U: Intracellular trafficking, secretion, and vesicular transport	18	26	-8
T: Signal transduction mechanisms	48	53	-5
Q: Secondary metabolites biosynthesis, transport and catabolism	19	26	-7
P: Inorganic ion transport and metabolism	48	73	-25
O: Posttranslational modification, protein turnover, chaperones	47	54	-7
N: Cell motility	36	4	32
M: Cell wall/membrane/envelope biogenesis	36	79	-43
L: Replication, recombination and repair	67	86	-19
K: Transcription	76	66	10
J: Translation, ribosomal structure and biogenesis	119	117	2
I: Lipid transport and metabolism	13	44	-31
H: Coenzyme transport and metabolism	71	54	17
G: Carbohydrate transport and metabolism	39	135	-96
F: Nucleotide transport and metabolism	23	63	-40
E: Amino acid transport and metabolism	39	111	-72
D: Cell cycle control, cell division, chromosome partitioning	10	29	-19
C: Energy production and conversion	112	70	42
B: Chromatin structure and dynamics	1	0	1
A: RNA processing and modification	1	2	-1

Overrepresented in Oligotrophs

Overrepresented in Coptrophs

Difference