Other Melainabacteria
V. chlorellavorus

	ACD20	*Ca. C. bioreactoricola*	*Ca. G. phascolarctosicola*	*Ca. O. phosphatis*	MEL_A1	MEL_B1	MEL_B2	MEL_C1	MH_37	Zag_1	Zag_111	*V. chlorellavorus*
A: RNA processing and modification	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B: Chromatin structure and dynamics	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C: Energy production and conversion	3.5	1.9	3.0	3.0	2.6	2.6	2.6	2.7	2.3	2.7	2.3	2.9
D: Cell cycle control, cell division, chromosome partitioning	0.5	0.6	0.7	0.4	0.6	0.4	0.4	0.5	0.4	0.4	0.5	0.4
E: Amino acid transport and metabolism	5.0	4.9	4.3	3.2	3.8	3.5	4.2	3.5	3.2	3.5	3.5	4.2
F: Nucleotide transport and metabolism	2.2	1.8	2.0	1.4	1.8	1.3	1.6	1.7	1.5	1.6	1.4	1.9
G: Carbohydrate transport and metabolism	3.1	1.9	2.8	1.7	2.5	2.2	2.4	2.3	2.3	2.2	2.3	2.4
H: Coenzyme transport and metabolism	3.6	2.7	2.9	1.8	2.7	2.5	2.5	2.5	2.4	2.4	2.4	2.6
I: Lipid transport and metabolism	1.3	1.4	1.4	1.8	1.9	1.5	1.5	1.8	1.6	1.7	1.3	1.6
J: Translation, ribosomal structure and biogenesis	5.2	5.6	6.7	3.1	6.6	5.4	5.7	5.6	5.1	5.7	5.6	4.4
K: Transcription	2.3	1.3	3.1	3.2	3.0	2.6	2.8	2.9	2.9	2.7	2.9	2.2
L: Replication, recombination and repair	2.6	2.1	2.9	3.0	3.1	2.7	3.0	2.8	3.0	2.8	3.1	2.7
M: Cell wall/membrane/envelope biogenesis	4.2	3.2	3.3	2.4	3.4	3.2	3.3	3.0	2.8	2.9	2.6	3.5
N: Cell motility	1.7	0.5	0.6	0.1	0.6	1.6	1.5	0.6	0.5	0.6	0.4	1.8
O: Posttranslational modification, protein turnover, chaperones	1.8	1.4	1.7	1.9	1.5	1.6	1.5	1.5	1.5	1.7	1.5	1.9
P: Inorganic ion transport and metabolism	2.0	1.1	1.5	1.6	1.4	1.5	1.4	1.3	1.2	1.3	1.0	1.9
Q: Secondary metabolites biosynthesis, transport and catabolism	0.7	0.6	0.5	0.8	0.9	0.8	0.6	0.8	0.8	0.7	0.7	0.7
R: General function prediction only	5.8	3.6	4.4	5.6	4.3	4.0	4.5	4.4	4.1	4.4	4.3	4.6
S: Function unknown	3.0	2.3	2.8	2.2	2.9	2.9	2.6	2.6	2.4	2.3	2.5	2.6
T: Signal transduction mechanisms	2.6	0.6	1.3	3.0	1.5	1.4	1.7	1.5	1.4	1.4	1.2	2.0
U: Intracellular trafficking, secretion, and vesicular transport	1.5	1.1	1.3	0.5	1.3	1.6	1.3	1.2	1.1	1.3	1.0	2.2
V: Defense mechanisms	0.5	0.4	1.0	0.6	0.7	0.9	0.8	0.6	0.8	0.6	0.7	0.6
W: Extracellular structures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Y: Nuclear structure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Z: Cytoskeleton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0