

SEED Subsystems	WGA						SH						AP					
Level 1	WGA_Aw	WGA_As	WGA_An	WGA_Bn	WGA_Bs	WGA_Be	SH_As	SH_An	SH_Aw	SH_Be	SH_Bn	SH_Bs	AP_An	AP_Aw	AP_As	AP_Bs	AP_Bn	AP_Be
Clustering-based subsystems	14.3	14.4	15.5	14.8	15.0	14.8	14.7	15.1	15.6	15.0	15.1	15.0	11.3	9.6	13.7	17.9	17.1	16.4
Carbohydrates	12.5	12.1	12.1	12.5	12.1	13.5	11.8	12.4	12.9	13.2	11.2	12.3	18.5	19.9	18.4	14.9	13.3	16.6
Amino Acids and Derivatives	8.4	8.0	7.9	8.3	8.9	9.0	8.7	8.5	8.2	8.4	8.4	8.4	10.5	7.1	6.0	8.1	5.3	6.6
Protein Metabolism	7.4	8.1	8.2	7.8	8.0	7.6	7.5	7.7	7.8	7.6	7.5	8.2	9.1	7.1	17.3	17.9	16.4	16.7
Miscellaneous	7.0	7.2	7.7	7.2	7.0	6.9	8.3	8.2	7.8	8.3	7.9	8.0	7.0	9.5	7.1	4.7	3.8	4.7
Cofactors, Vitamins, Prosthetic Groups, Pigments	5.4	6.2	6.2	6.1	6.2	6.6	5.9	6.4	6.1	6.4	6.3	6.3	7.6	5.6	12.3	18.8	20.6	15.5
DNA Metabolism	4.7	4.5	4.2	4.2	4.0	3.6	4.1	3.8	3.9	3.7	4.2	3.9	8.5	3.9	1.2	1.6	1.4	1.4
RNA Metabolism	3.7	3.7	3.8	3.9	3.6	3.2	3.2	3.3	3.2	3.4	3.8	3.4	2.7	2.6	1.2	1.1	0.4	0.8
Respiration	3.5	3.1	2.2	2.5	1.5	1.3	1.7	1.6	1.4	1.5	1.6	1.7	0.6	0.6	0.4	0.2	0.2	0.5
Membrane Transport	3.4	3.3	3.7	3.5	3.4	3.1	3.7	3.8	3.5	3.5	3.8	3.3	5.4	3.4	5.7	4.5	2.8	3.8
Cell Wall and Capsule	3.4	4.0	3.6	3.2	3.2	3.2	3.7	3.5	3.2	3.3	3.5	3.1	1.3	4.0	2.0	0.9	0.9	1.1
Fatty Acids, Lipids, and Isoprenoids	3.1	3.1	3.3	3.5	3.4	3.9	3.5	3.8	3.8	3.4	3.3	3.6	4.6	8.4	3.3	0.9	0.9	0.9
Stress Response	2.9	3.1	2.8	3.1	2.8	2.5	2.6	2.4	2.5	2.5	3.1	2.9	0.5	2.5	0.8	0.3	0.3	0.6
Nucleosides and Nucleotides	2.8	2.7	2.8	2.8	3.4	3.5	3.3	3.2	3.4	3.4	3.4	3.2	1.3	2.2	1.1	0.4	0.3	0.4
Virulence, Disease and Defense	2.7	2.5	2.5	2.6	3.0	2.7	2.9	2.7	2.7	2.9	2.7	2.9	2.0	1.4	1.2	1.1	0.9	0.7
Metabolism of Aromatic Compounds	2.7	2.8	2.8	2.7	2.9	3.0	2.9	2.7	2.6	2.7	2.6	2.7	3.2	4.4	3.2	3.6	8.6	7.0
Other	12.3	11.4	10.9	11.1	11.7	11.6	11.5	11.0	11.3	10.9	11.5	11.1	5.8	7.7	5.1	3.2	6.8	6.4