

Subsystem	Coding Sequences in OSUVM-1	Coding Sequences in OSUVM-2
Cofactors, vitamins, prosthetic groups, pigments	201	201
Cell wall and capsule	78	77
Virulence, disease, and defense	93	89
Potassium metabolism	12	12
Miscellaneous	28	27
Phages, prophages, and transposable elements	8	7
Membrane transport	66	63
Iron acquisition and metabolism	25	24
RNA metabolism	121	121
Nucleosides and nucleotides	64	64
Protein metabolism	203	225
Cell division and cell cycle	29	29
Regulation and cell signaling	48	48
Secondary metabolism	8	8
DNA metabolism	95	95
Fatty acids, lipids, and isoprenoids	101	101
Nitrogen metabolism	12	12
Dormancy and sporulation	4	4
Respiration	66	66
Stress response	70	71
Metabolism of aromatic compounds	19	18
Amino acids and derivatives	325	325
Sulfur metabolism	15	15
Phosphorus metabolism	21	21
Carbohydrates	263	263