

## SEED Subsystem 1

BV1

BV2

Virulence, Disease and Defense  
Sulfur Metabolism  
Stress Response  
Secondary Metabolism  
Respiration  
Regulation and Cell signaling  
RNA Metabolism  
Protein Metabolism  
Potassium metabolism  
Phosphorus Metabolism  
Phages, Prophages, Transposable elements, Plasmids  
Nucleosides and Nucleotides  
Nitrogen Metabolism  
Motility and Chemotaxis (Flagellar)  
Miscellaneous  
Metabolism of Aromatic Compounds  
Membrane Transport  
Iron acquisition and metabolism  
Fatty Acids, Lipids, and Isoprenoids  
Dormancy and Sporulation  
DNA Metabolism  
Cofactors, Vitamins, Prosthetic Groups, Pigments  
Cell Wall and Capsule  
Cell Division and Cell Cycle  
Carbohydrates  
Amino Acids and Derivatives  
● Arginine; urea cycle, polyamines

