

Taxonomic collection (number of genomes)	1. Coenzyme metabolism	2. Coenzyme uptake	3. Amino acid metabolism	4. Amino acid uptake	5. Secondary metabolism	6. Metal homeostasis	7. Nucleotide metabolism	8. Nucleotide uptake	9. Protein synthesis	10. Miscel- laneous
Lactobacillaceae (15)	6%	9%	19%	13%	0%	1%	13%	2%	38%	0%
Streptococcaceae (15)	6%	7%	16%	6%	0%	1%	18%	2%	44%	0%
Bacillales (11)	17%	6%	24%	6%	1%	3%	19%	2%	21%	2%
Staphylococcus (7)	18%	6%	28%	7%	1%	0%	12%	1%	27%	0%
Clostridiaceae (20)	24%	8%	20%	7%	1%	4%	10%	1%	24%	0%
Bacteroidaceae (11)	41%	43%	0%	0%	0%	2%	0%	0%	0%	14%
Chlorobiales (11)	44%	27%	22%	0%	0%	6%	0%	0%	0%	6%
Corynebacteriaceae (8)	32%	18%	11%	0%	0%	3%	22%	0%	13%	1%
Mycobacteriaceae (9)	27%	13%	21%	0%	0%	6%	25%	0%	5%	3%
Cyanobacteria (14)	28%	10%	2%	0%	27%	6%	0%	0%	23%	4%
Chloroflexi (5)	34%	21%	19%	0%	2%	5%	3%	0%	14%	1%
Deinococcus-Thermus (5)	51%	15%	8%	3%	2%	4%	3%	0%	10%	5%
Thermotogales (11)	36%	12%	22%	2%	0%	3%	5%	0%	20%	0%
Desulfovibrionales (10)	58%	27%	2%	2%	0%	0%	0%	0%	0%	12%
Caulobacterales (4)	31%	19%	41%	0%	0%	0%	0%	0%	0%	10%
Rhodobacterales (15)	36%	30%	26%	0%	1%	4%	0%	0%	3%	4%
Rhizobiales (15)	30%	18%	32%	0%	15%	4%	0%	0%	0%	9%
Burkholderia (8)	51%	9%	16%	0%	17%	3%	0%	0%	0%	3%
Ralstonia (6)	42%	13%	25%	0%	19%	1%	0%	0%	0%	1%
Enterobacteriales (12)	39%	9%	44%	0%	1%	4%	0%	0%	2%	2%
Pasteurellales (9)	42%	13%	30%	8%	0%	0%	0%	0%	7%	0%
Vibrionales (10)	30%	14%	45%	5%	0%	0%	1%	0%	3%	2%
Pseudomonadaceae (8)	57%	15%	6%	0%	11%	4%	0%	0%	4%	3%
Shewanella (16)	33%	11%	42%	4%	0%	6%	1%	0%	2%	2%