

Average sequence identity

(E.coli vs. B.subtilis, orthologs only, best hit within orthologous group)

ecoli/subtilis
groups

56.76%	62.01%	J	Translation, ribosomal structure and biogenesis	124
	54.56%	K	Transcription	57
	49.85%	L	DNA replication, recombination and repair	76
48.93%	52.13%	D	Cell division and chromosome partitioning	15
	50.84%	O	Posttranslational modification, protein turnover, chaperons	46
	46.15%	M	Cell envelope biogenesis, outer membrane	64
	51.05%	N	Cell motility and secretion	55
	48.16%	P	Inorganic ion transport and metabolism	67
	48.20%	T	Signal transduction mechanisms	32
51.46%	50.15%	C	Energy production and conversion	76
	51.79%	G	Carbohydrate transport and metabolism	95
	51%	E	Amino acid transport and metabolism	139
	55.68%	F	Nucleotide transport and metabolism	59
	52.50%	H	Coenzyme metabolism	92
	50.11%	I	Lipid metabolism	40
	45.27%	Q	Secondary metabolite biosynthesis, transport and catabolism	26
47.19%	46.80%	R	General function prediction only	138
	47.97%	S	Function unknown	69

Average species coverage

(E.coli groups only, number of species covered including E.coli)

ecoli
groups

56.55	72.08	J	Translation, ribosomal structure and biogenesis	217
	43.69	K	Transcription	133
	47.54	L	DNA replication, recombination and repair	184
38.4	39.96	D	Cell division and chromosome partitioning	32
	46.19	O	Posttranslational modification, protein turnover, chaperons	109
	38.49	M	Cell envelope biogenesis, outer membrane	155
	36.05	N	Cell motility and secretion	133
	37.96	P	Inorganic ion transport and metabolism	160
	32.91	T	Signal transduction mechanisms	96
45.31	39.73	C	Energy production and conversion	232
	40.33	G	Carbohydrate transport and metabolism	170
	48.41	E	Amino acid transport and metabolism	233
	56.22	F	Nucleotide transport and metabolism	85
	49.22	H	Coenzyme metabolism	154
	48.61	I	Lipid metabolism	75
	39.59	Q	Secondary metabolite biosynthesis, transport and catabolism	62
28.35	41.19	R	General function prediction only	449
	20.69	S	Function unknown	752

Average orthgroup inclusiveness

(E.coli groups only, genes per species per group)

ecoli
groups

2.15	1.3	J	Translation, ribosomal structure and biogenesis	217
	4.15	K	Transcription	133
	1.71	L	DNA replication, recombination and repair	184
2.2	1.24	D	Cell division and chromosome partitioning	32
	1.62	O	Posttranslational modification, protein turnover, chaperons	109
	1.81	M	Cell envelope biogenesis, outer membrane	155
	1.88	N	Cell motility and secretion	133
	2.42	P	Inorganic ion transport and metabolism	160
	3.89	T	Signal transduction mechanisms	96
2.12	1.91	C	Energy production and conversion	232
	2.96	G	Carbohydrate transport and metabolism	170
	2.41	E	Amino acid transport and metabolism	233
	1.3	F	Nucleotide transport and metabolism	85
	1.27	H	Coenzyme metabolism	154
	1.74	I	Lipid metabolism	75
	3.25	Q	Secondary metabolite biosynthesis, transport and catabolism	62
1.58	2.25	R	General function prediction only	449
	1.18	S	Function unknown	752