

COG class	Number of COG class	Percentage of COG class	Class Function	COG class	Number of COG class	Percentage of COG class	COG class	Number of COG class	Percentage of COG class
[R]	292	12.08	General function prediction only	[TK]	22	0.91	[LU]	2	0.08
[J]	276	11.41	Translation, ribosomal structure and biogenesis	[KR]	16	0.66	[CP]	2	0.08
[G]	218	9.02	Carbohydrate transport and metabolism	[KG]	14	0.58	[FGR]	2	0.08
[L]	206	8.52	Replication, recombination and repair	[KT]	12	0.50	[NT]	2	0.08
[S]	176	7.28	Function unknown	[GEPR]	12	0.50	[EM]	2	0.08
[K]	150	6.20	Transcription	[MG]	10	0.41	[IQR]	2	0.08
[P]	132	5.46	Inorganic ion transport and metabolism	[Q]	8	0.33	[NU]	2	0.08
[E]	128	5.29	Amino acid transport and metabolism	[LKJ]	8	0.33	[IQ]	2	0.08
[V]	112	4.63	Defense mechanisms	[EP]	6	0.25	[ET]	2	0.08
[M]	104	4.30	Cell wall/membrane/envelope biogenesis	[QR]	6	0.25	[KL]	2	0.08
[C]	98	4.05	Energy production and conversion	[HI]	6	0.25	[EH]	2	0.08
[F]	92	3.80	Nucleotide transport and metabolism	[CHR]	6	0.25	[CO]	2	0.08
[O]	74	3.06	Posttranslational modification, protein turnover, chaperones	[LK]	4	0.17	[LR]	2	0.08
[T]	46	1.90	Signal transduction mechanisms	[OC]	4	0.17	[EF]	2	0.08
[H]	44	1.82	Coenzyme transport and metabolism	[GT]	4	0.17	[TQ]	2	0.08
[I]	36	1.49	Lipid transport and metabolism	[IR]	4	0.17	[FE]	2	0.08
[D]	30	1.24	Cell cycle control, cell division, chromosome partitioning	[MU]	2	0.08	[CR]	2	0.08
[U]	24	0.99	Intracellular trafficking, secretion, and vesicular transport	[MI]	2	0.08			