

List of COGs

Those listed in bold are used to show the correlation between 4- and 6- species groups

COG0013	Alanyl-tRNA synthetase
COG0016	Phenylalanyl-tRNA synthetase alpha subunit
COG0041	Phosphoribosylcarboxyaminoimidazole (NCAIR) mutase
COG0046	Phosphoribosylformylglycinamide (FGAM) synthase, synthetase domain
COG0047	Phosphoribosylformylglycinamide (FGAM) synthase, glutamine amidotransferase domain
COG0048	Ribosomal protein S12
COG0049	Ribosomal protein S7
COG0052	Ribosomal protein S2
COG0060	Isoleucyl-tRNA synthetase
COG0072	Phenylalanyl-tRNA synthetase beta subunit
COG0077	Prephenate dehydratase
COG0081	Ribosomal protein L1
COG0082	Chorismate synthase
COG0087	Ribosomal protein L3
COG0088	Ribosomal protein L4
COG0089	Ribosomal protein L23
COG0090	Ribosomal protein L2
COG0091	Ribosomal protein L22
COG0092	Ribosomal protein S3
COG0093	Ribosomal protein L14
COG0094	Ribosomal protein L5
COG0096	Ribosomal protein S8
COG0097	Ribosomal protein L6P/L9E
COG0098	Ribosomal protein S5
COG0099	Ribosomal protein S13
COG0101	Pseudouridylate synthase
COG0102	Ribosomal protein L13
COG0103	Ribosomal protein S9
COG0105	Nucleoside diphosphate kinase
	Phosphoribosylformimino-5-aminoimidazole carboxamide ribonucleotide (ProFAR)
COG0106	isomerase
COG0113	Delta-aminolevulinic acid dehydratase
COG0124	Histidyl-tRNA synthetase
COG0131	Imidazoleglycerol-phosphate dehydratase
COG0134	Indole-3-glycerol phosphate synthase
COG0135	Phosphoribosylanthranilate isomerase
COG0137	Argininosuccinate synthase
COG0139	Phosphoribosyl-AMP cyclohydrolase
COG0150	Phosphoribosylaminoimidazole (AIR) synthetase
COG0151	Phosphoribosylamine-glycine ligase
COG0159	Tryptophan synthase alpha chain
COG0164	Ribonuclease HII
COG0181	Porphobilinogen deaminase
COG0185	Ribosomal protein S19
COG0197	Ribosomal protein L16/L10E
COG0198	Ribosomal protein L24

COG0200	Ribosomal protein L15
COG0202	DNA-directed RNA polymerase, alpha subunit/40 kD subunit
COG0244	Ribosomal protein L10
COG0255	Ribosomal protein L29
COG0256	Ribosomal protein L18
COG0284	Orotidine-5'-phosphate decarboxylase
COG0287	Prephenate dehydrogenase
COG0315	Molybdenum cofactor biosynthesis enzyme
COG0442	Prolyl-tRNA synthetase
COG0519	GMP synthase, PP-ATPase domain/subunit
COG0525	Valyl-tRNA synthetase
COG0528	Uridylate kinase
COG0533	Metal-dependent proteases with possible chaperone activity
COG0540	Aspartate carbamoyltransferase, catalytic chain
COG0541	Signal recognition particle GTPase
COG0552	Signal recognition particle GTPase
COG1758	DNA-directed RNA polymerase, subunit K/omega
COG1841	Ribosomal protein L30/L7E