

Relationship	Class	EC enzyme	Description
Positive	Oxidoreductases	EC 1.1.1.122	D-threo-aldose 1-dehydrogenase
		EC 1.1.1.394	aurachin B dehydrogenase
		EC 1.1.3.6	cholesterol oxidase
		EC 1.1.3.8	L-gulonolactone oxidase
		EC 1.13.11.37	hydroxyquinol 1,2-dioxygenase
		EC 1.14.13.165	nitric-oxide synthase, bacterial
		EC 1.14.13.2	3-hydroxy-4-methylanthranilyl-[aryl-carrier protein] 5-monooxygenase
		EC 1.14.13.227	propane 2-monooxygenase small subunit
		EC 1.14.14.5	alkanesulfonate monooxygenase
		EC 1.18.1.3	2-halobenzoate 1,2-dioxygenase electron transfer component
		EC 1.2.1.28	benzaldehyde dehydrogenase (NAD)
		EC 1.5.3.19	4-methylaminobutanoate oxidase (formaldehyde-forming)
	Transferases	EC 2.1.1.171	16S rRNA (guanine966-N2)-methyltransferase
		EC 2.1.1.185	23S rRNA (guanosine2251-2'-O)-methyltransferase
		EC 2.1.1.187	23S rRNA (guanine745-N1)-methyltransferase
		EC 2.1.1.297	release factor glutamine methyltransferase
		EC 2.1.1.44	L-histidine Nalpha-methyltransferase / mercynylcysteine S-oxide synthase
		EC 2.3.1.189	mycothiol synthase
		EC 2.3.1.235	multifunctional cyclase / dehydratase / O-methyltransferase
		EC 2.3.1.9	13-hydroxylupinine O-tigloyltransferase
		EC 2.4.2.21	nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase
		EC 2.4.2.4	5'-methylthioinosine phosphorylase
		EC 2.5.1.15	dihydropteroate synthase type 1
		EC 2.5.1.26	alkyldihydroxyacetonephosphate synthase
		EC 2.5.1.88	trans,polycis-polyprenyl diphosphate synthase
		EC 2.6.1.103	(S)-3,5-dihydroxyphenylglycine transaminase
		EC 2.7.1.17	2-dehydro-3-deoxygluconokinase / 2-dehydro-3-deoxygalactonokinase
		EC 2.7.1.30	putative glycerol kinase 5
		EC 2.7.1.72	streptomycin 6-kinase
	Hydrolases	EC 2.7.2.2	carbamate kinase
		EC 2.7.8.28	LPPG:FO 2-phospho-L-lactate transferase
		EC 3.1.1.101	poly(ethylene terephthalate) hydrolase
		EC 3.1.1.41	cephalosporin-C deacetylase
		EC 3.1.3.15	inositol-phosphate phosphatase / L-galactose 1-phosphate phosphatase / histidinol-phosphatase
		EC 3.2.1.132	chitosanase
		EC 3.2.1.136	glucuronoarabinoxylan endo-1,4-beta-xylanase
		EC 3.2.1.14	basic endochitinase B
		EC 3.2.1.20	neutral alpha-glucosidase C
		EC 3.2.1.31	klotho
		EC 3.2.1.8	kappa-carrageenase
		EC 3.5.1.118	gamma-glutamyl mercynylcysteine S-oxide hydrolase
		EC 3.5.1.23	neutral ceramidase
		EC 3.5.2.5	allantoinase
		EC 3.5.3.6	arginine deiminase
		EC 3.5.4.4	aminodeoxyfutasine deaminase
		EC 3.6.1.40	exopolyphosphatase / guanosine-5'-triphosphate,3'-diphosphate pyrophosphatase
	Isomerases	EC 3.6.3.29	molybdate-transporting ATPase
		EC 5.1.1.4	proline racemase
		EC 5.3.1.30	5-deoxy-glucuronate isomerase
	Ligases	EC 5.3.3.18	2-(1,2-epoxy-1,2-dihydrophenyl)acetyl-CoA isomerase
		EC 6.1.1.23	nondiscriminating aspartyl-tRNA synthetase
		EC 6.2.1.16	acetoacetyl-CoA synthetase
		EC 6.2.1.43	2-hydroxy-7-methoxy-5-methyl-1-naphthoate---CoA ligase

Relationship	Class	EC enzyme	Description
Negative	Oxidoreductases	EC 1.1.1.28	sorbose reductase
		EC 1.1.1.35	GDP-L-colitose synthase
		EC 1.1.1.40	D-erythritol 1-phosphate dehydrogenase
		EC 1.1.2.8	alcohol dehydrogenase (cytochrome c)
		EC 1.1.5.2	quinoprotein glucose dehydrogenase
		EC 1.10.2.2	ubiquinol-cytochrome c reductase iron-sulfur subunit
		EC 1.11.1.15	peroxiredoxin 3
		EC 1.11.1.6	dichlorochromopyrrolate synthase / catalase
		EC 1.17.99.6	epoxyqueuosine reductase
		EC 1.3.1.1	anthocyanidin reductase [(2S)-flavan-3-ol-forming]
	Transferases	EC 1.3.3.11	pyrroloquinoline-quinone synthase
		EC 2.3.1.61	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase)
		EC 2.4.1.1	oligosaccharide 4-alpha-D-glucosyltransferase
		EC 2.6.1.1	(5-formylfuran-3-yl)methyl phosphate transaminase
		EC 2.6.1.42	branched-chain amino acid aminotransferase
		EC 2.7.7.6	virion DNA-directed RNA polymerase
		EC 2.7.8.8	CDP-diacylglycerol---serine O-phosphatidyltransferase
	Hydrolases	EC 2.8.4.4	ribosomal protein S12 methylthiotransferase
		EC 3.1.1.5	hemagglutinin-esterase-fusion glycoprotein
		EC 3.4.13.19	membrane dipeptidase
		EC 3.4.14.4	dipeptidyl-peptidase III
		EC 3.4.21.102	carboxyl-terminal processing protease
		EC 3.4.21.105	rhomboid protease GluP
		EC 3.4.21.89	signal peptidase I
	Lyases	EC 3.5.1.1	gamma-glutamylanilide hydrolase
		EC 3.5.1.81	N-acyl-D-amino-acid deacylase
		EC 4.1.1.12	aspartate 4-decarboxylase
		EC 4.1.2.50	6-pyruvoyltetrahydropterin/6-carboxytetrahydropterin synthase
		EC 4.2.1.7	trans-L-3-hydroxyproline dehydratase
		EC 4.3.1.1	D-serine ammonia-lyase
		EC 4.4.1.1	1-aminocyclopropane-1-carboxylate synthase 1/2/6
	Isomerases	EC 4.4.1.2	olivetolic acid cyclase
		EC 4.6.1.16	tRNA-intron endonuclease, archaea type
		EC 5.1.3.6	UDP-glucuronate 4-epimerase
		EC 5.2.1.8	FK506-binding nuclear protein
	Ligases	EC 5.4.2.2	phosphoglucomutase / phosphopentomutase
		EC 5.4.99.9	UDP-galactopyranose mutase
		EC 5.99.1.3	reverse gyrase
		EC 6.1.1.14	glycyl-tRNA synthetase
		EC 6.3.1.5	NAD+ synthase
		EC 6.3.4.20	7-cyano-7-deazaguanine synthase