

CPC COOPERATIVE PATENT CLASSIFICATION

C12Y ENZYMES

NOTES

1. This subclass covers all enzymes.
2. In this subclass, each enzyme is classified according to their EC number of the "Enzyme Nomenclature" (as valid on 1 January 2012) recommended by the Nomenclature Committee of the International Union of Biochemistry and Molecular Biology. The EC number appears in the subgroups in parenthesis and is reflected in the classification symbol: the EC number with the notation a.bb.cc.ddd is rendered into a CPC symbol [C12Y](#) ABB/CCDDD (with no trailing zeroes at the end) where:
 - EC a.bb.cc.ddd: a ranges from 1 – 6; CPC symbol: A = 1 – 6
 - EC a.bb.cc.ddd: b ranges from 1 – 99 (*); CPC symbol: B = 01 – 99
 - EC a.bb.cc.ddd: c ranges from 1 – 99 (*); CPC symbol: C = 01 – 99
 - EC a.bb.cc.ddd: d ranges from 1 – 400 (*); CPC symbol: D = 001 – 400
 - (*) not all numbers are used
 Examples:
 - Alcohol dehydrogenase: EC 1.1.1.1. is classified in [C12Y 101/01001](#)
 - Togavirin: EC 3.4.21.90 is classified in [C12Y 304/2109](#)
 - Hepsin: EC 3.4.21.106 is classified in [C12Y 304/21106](#)
 - Cobaltochelataase: EC 6.6.1.2 is classified in [C12Y 606/01002](#)
3. This subclass is for discretionary supplementary classification of subject matter already classified as such in other classification places, e.g.:
 - [A01N 1/00](#): Compositions containing enzymes and use of the compositions and compounds for preservation of bodies of humans or animals or parts thereof
 - [A01N 3/00](#): Compositions containing enzymes and use of the compositions and compounds for preservation of plants or parts thereof
 - [A01N 63/00](#): Biocides, pest repellents or attractants or plant growth regulators containing enzymes
 - [A21D 10/00](#), [A21D 13/00](#) : Bakery products which may contain enzymes
 - [A23](#): Foods or foodstuffs containing enzymes
 - [A61K](#): Preparations for medical dental or toilet purposes containing enzymes
 - [A61K 31/7088](#): Medical preparations containing nucleic acids encoding enzymes
 - [A61K 48/00](#): Medical preparations containing genetic material encoding enzymes which is inserted into cells of the living body to treat genetic diseases; Gene therapy
 - [A61L 12/082](#): Methods or apparatus for disinfecting or sterilising contact lenses in combination with enzymes
 - [A61L 15/38](#): Bandages, dressings or absorbent pads for physiological fluids containing enzymes
 - [A61L 27/3683](#): Material for prostheses subjected to enzyme treatment prior to implantation
 - [C07K 14/81](#): Protease inhibitors
 - [C07K 16/40](#): Antibodies against enzymes
 - [C11D 3/386](#): Detergent compositions containing enzymes
 - [C12C 1/00](#): Preparation of malt
 - [C12M](#): Apparatus for enzymology
 - [C12N 9/00](#): Enzymes
 - [C12N 11/00](#): Carrier-bound or immobilised enzymes
 - [C12N 13/00](#): Treatment of enzymes with electrical or wave energy
 - [C12N 15/00](#): Nucleic acids encoding (part of) enzymes
 - [C12N 15/113](#), [C12N 15/8281](#) Non-encoding nucleic acids modulating the expression of genes for enzymes
 - [C12P](#): Preparation of compounds using enzymes
 - [C12Q 1/00](#): Measuring or testing processes involving enzymes; Compositions therefor; Processes of preparing such compositions
 - [G01N 33/573](#): Immunoassays for enzymes
4. Specific classification rules for the allocation of [C12Y](#) symbols together with any of the groups listed above, are specified within the relevant group, if available.
5. The classification symbols of this subclass are not listed first when assigned to patent documents.

101/00	Oxidoreductases acting on the CH-OH group of donors (1.1)		
101/01	• with NAD ⁺ or NADP ⁺ as acceptor (1.1.1)	101/01005	• • Acetoin dehydrogenase (1.1.1.5) (C12Y 101/01303 , C12Y 101/01304 takes precedence)
101/01001	• • Alcohol dehydrogenase (1.1.1.1)	101/01006	• • Glycerol dehydrogenase (1.1.1.6)
101/01002	• • Alcohol dehydrogenase (NADP ⁺) (1.1.1.2), i.e. aldehyde reductase	101/01007	• • Propanediol-phosphate dehydrogenase (1.1.1.7)
101/01003	• • Homoserine dehydrogenase (1.1.1.3)	101/01008	• • Glycerol-3-phosphate dehydrogenase (NAD ⁺) (1.1.1.8)
101/01004	• • R,R-butanediol dehydrogenase (1.1.1.4)	101/01009	• • D-Xylulose reductase (1.1.1.9), i.e. xylitol dehydrogenase
		101/0101	• • L-Xylulose reductase (1.1.1.10)

101/01011	. . D-Arabinitol 4-dehydrogenase (1.1.1.11)	101/01062	. . 17Beta-estradiol 17-dehydrogenase (1.1.1.62)
101/01012	. . L-Arabinitol 4-dehydrogenase (1.1.1.12)	101/01064	. . Testosterone 17-beta-dehydrogenase (NADP+) (1.1.1.64)
101/01013	. . L-Arabinitol 2-dehydrogenase (1.1.1.13)	101/01065	. . Pyridoxine 4-dehydrogenase (1.1.1.65)
101/01014	. . L-Iditol 2-dehydrogenase (1.1.1.14), i.e. sorbitol-dehydrogenase	101/01066	. . Omega-hydroxydecanoate dehydrogenase (1.1.1.66)
101/01015	. . D-iditol 2-dehydrogenase (1.1.1.15)	101/01067	. . Mannitol 2-dehydrogenase (1.1.1.67)
101/01016	. . Galactitol 2-dehydrogenase (1.1.1.16)	101/01069	. . Gluconate 5-dehydrogenase (1.1.1.69)
101/01017	. . Mannitol-1-phosphate 5-dehydrogenase (1.1.1.17)	101/01071	. . Alcohol dehydrogenase [NAD(P)+] (1.1.1.71)
101/01018	. . Inositol 2-dehydrogenase (1.1.1.18)	101/01072	. . Glycerol dehydrogenase (NADP+) (1.1.1.72)
101/01019	. . Glucuronate reductase (1.1.1.19)	101/01073	. . Octanol dehydrogenase (1.1.1.73)
101/0102	. . Glucuronolactone reductase (1.1.1.20)	101/01075	. . (R)-Aminopropanol dehydrogenase (1.1.1.75)
101/01021	. . Aldehyde reductase (1.1.1.21), i.e. aldose-reductase	101/01076	. . (S,S)-Butanediol dehydrogenase (1.1.1.76)
101/01022	. . UDP-glucose 6-dehydrogenase (1.1.1.22)	101/01077	. . Lactaldehyde reductase (1.1.1.77)
101/01023	. . Histidinol dehydrogenase (1.1.1.23)	101/01078	. . Methylglyoxal reductase (NADH-dependent) (1.1.1.78)
101/01024	. . Quinate dehydrogenase (1.1.1.24)	101/01079	. . Glyoxylate reductase (NADP+) (1.1.1.79)
101/01025	. . Shikimate dehydrogenase (1.1.1.25)	101/0108	. . Isopropanol dehydrogenase (NADP+) (1.1.1.80)
101/01026	. . Glyoxylate reductase (1.1.1.26)	101/01081	. . Hydroxypyruvate reductase (1.1.1.81)
101/01027	. . L-Lactate dehydrogenase (1.1.1.27)	101/01082	. . Malate dehydrogenase (NADP+) (1.1.1.82)
101/01028	. . D-Lactate dehydrogenase (1.1.1.28)	101/01083	. . D-Malate dehydrogenase (decarboxylating) (1.1.1.83)
101/01029	. . Glycerate dehydrogenase (1.1.1.29)	101/01084	. . Dimethylmalate dehydrogenase (1.1.1.84)
101/0103	. . 3-Hydroxybutyrate dehydrogenase (1.1.1.30)	101/01085	. . 3-Isopropylmalate dehydrogenase (1.1.1.85)
101/01031	. . 3-Hydroxyisobutyrate dehydrogenase (1.1.1.31)	101/01086	. . Ketol-acid reductoisomerase (1.1.1.86)
101/01032	. . Mevaldate reductase (1.1.1.32)	101/01087	. . Homoisocitrate dehydrogenase (1.1.1.87)
101/01033	. . Mevaldate reductase (NADPH) (1.1.1.33)	101/01088	. . Hydroxymethylglutaryl-CoA reductase (1.1.1.88)
101/01034	. . Hydroxymethylglutaryl-CoA reductase (NADPH) (1.1.1.34)	101/0109	. . Aryl-alcohol dehydrogenase (1.1.1.90)
101/01035	. . 3-Hydroxyacyl-CoA dehydrogenase (1.1.1.35)	101/01091	. . Aryl-alcohol dehydrogenase (NADP+) (1.1.1.91)
101/01036	. . Acetoacetyl-CoA reductase (1.1.1.36)	101/01092	. . Oxaloglycolate reductase (decarboxylating) (1.1.1.92)
101/01037	. . Malate dehydrogenase (1.1.1.37)	101/01093	. . Tartrate dehydrogenase (1.1.1.93)
101/01038	. . Malate dehydrogenase (oxaloacetate-decarboxylating) (1.1.1.38)	101/01094	. . Glycerol-3-phosphate dehydrogenase (NAD(P)+) (1.1.1.94)
101/01039	. . Malate dehydrogenase (decarboxylating) (1.1.1.39)	101/01095	. . Phosphoglycerate dehydrogenase (1.1.1.95)
101/0104	. . Malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+) (1.1.1.40)	101/01096	. . Diiodophenylpyruvate reductase (1.1.1.96)
101/01041	. . Isocitrate dehydrogenase (NAD+) (1.1.1.41)	101/01097	. . 3-Hydroxybenzyl-alcohol dehydrogenase (1.1.1.97)
101/01042	. . Isocitrate dehydrogenase (NADP+) (1.1.1.42)	101/01098	. . (R)-2-Hydroxy-fatty-acid dehydrogenase (1.1.1.98)
101/01043	. . Phosphogluconate 2-dehydrogenase (1.1.1.43)	101/01099	. . (S)-2-Hydroxy-fatty-acid dehydrogenase (1.1.1.99)
101/01044	. . Phosphogluconate dehydrogenase (decarboxylating) (1.1.1.44)	101/011	. . 3-Oxoacyl-[acyl-carrier-protein] reductase (1.1.1.100)
101/01045	. . L-Gulonate 3-dehydrogenase (1.1.1.45)	101/01101	. . Acylglycerone-phosphate reductase (1.1.1.101)
101/01046	. . L-Arabinose 1-dehydrogenase (1.1.1.46)	101/01102	. . 3-Dehydrosphinganine reductase (1.1.1.102)
101/01047	. . Glucose 1-dehydrogenase (1.1.1.47)	101/01103	. . L-Threonine 3-dehydrogenase (1.1.1.103)
101/01048	. . D-Galactose 1-dehydrogenase (1.1.1.48)	101/01104	. . 4-Oxoproline reductase (1.1.1.104)
101/01049	. . Glucose-6-phosphate dehydrogenase (1.1.1.49)	101/01105	. . Retinol dehydrogenase (1.1.1.105)
101/0105	. . 3Alpha-hydroxysteroid 3-dehydrogenase (B-specific) (1.1.1.50)	101/01106	. . Pantoate 4-dehydrogenase (1.1.1.106)
101/01051	. . 3 (or 17)-Beta-hydroxysteroid dehydrogenase (1.1.1.51)	101/01107	. . Pyridoxal 4-dehydrogenase (1.1.1.107)
101/01052	. . 3-Alpha-hydroxycholesterol dehydrogenase (1.1.1.52)	101/01108	. . Carnitine 3-dehydrogenase (1.1.1.108)
101/01053	. . 3-Alpha (or 20-beta)-hydroxysteroid dehydrogenase (1.1.1.53)	101/0111	. . Indolelactate dehydrogenase (1.1.1.110)
101/01054	. . Allyl-alcohol dehydrogenase (1.1.1.54)	101/01111	. . 3-(Imidazol-5-yl)lactate dehydrogenase (1.1.1.111)
101/01055	. . Lactaldehyde reductase (NADPH) (1.1.1.55)	101/01112	. . Indanol dehydrogenase (1.1.1.112)
101/01056	. . Ribitol 2-dehydrogenase (1.1.1.56)	101/01113	. . L-Xylose 1-dehydrogenase (1.1.1.113)
101/01057	. . Fructuronate reductase (1.1.1.57)	101/01114	. . Apiose 1-reductase (1.1.1.114)
101/01058	. . Tagaturonate reductase (1.1.1.58)	101/01115	. . Ribose 1-dehydrogenase (NADP+) (1.1.1.115)
101/01059	. . 3-Hydroxypropionate dehydrogenase (1.1.1.59)	101/01116	. . D-Arabinose 1-dehydrogenase (1.1.1.116)
101/0106	. . 2-Hydroxy-3-oxopropionate reductase (1.1.1.60)	101/01117	. . D-Arabinose 1-dehydrogenase (NAD(P)+) (1.1.1.117)
101/01061	. . 4-Hydroxybutyrate dehydrogenase (1.1.1.61)		

101/01118	. . Glucose 1-dehydrogenase (NAD+) (1.1.1.118)	101/01164	. . Hexadecanol dehydrogenase (1.1.1.164)
101/01119	. . Glucose 1-dehydrogenase (NADP+) (1.1.1.119)	101/01165	. . 2-Alkyn-1-ol dehydrogenase (1.1.1.165)
101/0112	. . Galactose 1-dehydrogenase (NADP+) (1.1.1.120)	101/01166	. . Hydroxycyclohexanecarboxylate dehydrogenase (1.1.1.166)
101/01121	. . Aldose 1-dehydrogenase (1.1.1.121)	101/01167	. . Hydroxymalonate dehydrogenase (1.1.1.167)
101/01122	. . D-Threo-aldose 1-dehydrogenase (1.1.1.122)	101/01168	. . 2-Dehydropantolactone reductase (A-specific) (1.1.1.168)
101/01123	. . Sorbose 5-dehydrogenase (NADP+) (1.1.1.123)	101/01169	. . 2-Dehydropantoate 2-reductase (1.1.1.169), i.e. ketopantoate-reductase
101/01124	. . Fructose 5-dehydrogenase (NADP+) (1.1.1.124)	101/0117	. . 3Beta-hydroxy-4alpha-carboxy-sterol 3-dehydrogenase (decarboxylating) (1.1.1.170)
101/01125	. . 2-Deoxy-D-gluconate 3-dehydrogenase (1.1.1.125)	101/01172	. . 2-Oxadipate reductase (1.1.1.172)
101/01126	. . 2-Dehydro-3-deoxy-D-gluconate 6-dehydrogenase (1.1.1.126)	101/01173	. . L-Rhamnose 1-dehydrogenase (1.1.1.173)
101/01127	. . 2-Dehydro-3-deoxy-D-gluconate 5-dehydrogenase (1.1.1.127)	101/01174	. . Cyclohexane-1,2-diol dehydrogenase (1.1.1.174)
101/01129	. . L-Threonate 3-dehydrogenase (1.1.1.129)	101/01175	. . D-Xylose 1-dehydrogenase (1.1.1.175)
101/0113	. . 3-Dehydro-L-gulonate 2-dehydrogenase (1.1.1.130)	101/01176	. . 12-Alpha-hydroxysteroid dehydrogenase (1.1.1.176)
101/01131	. . Mannuronate reductase (1.1.1.131)	101/01177	. . Glycerol-3-phosphate 1-dehydrogenase (NADP+) (1.1.1.177)
101/01132	. . GDP-mannose 6-dehydrogenase (1.1.1.132)	101/01178	. . 3-Hydroxy-2-methylbutyryl-CoA dehydrogenase (1.1.1.178)
101/01133	. . dTDP-4-dehydrorhamnose reductase (1.1.1.133)	101/01179	. . D-Xylose 1-dehydrogenase (NADP+) (1.1.1.179)
101/01134	. . dTDP-6-deoxy-L-talose 4-dehydrogenase (1.1.1.134)	101/01181	. . Cholest-5-ene-3-beta,7-alpha-diol 3-beta-dehydrogenase (1.1.1.181)
101/01135	. . GDP-6-deoxy-D-talose 4-dehydrogenase (1.1.1.135)	101/01182	. . Fenchol dehydrogenase (1.1.1.182) (C12Y 101/01198 , C12Y 101/01227 , C12Y 101/01228 take precedence)
101/01136	. . UDP-N-acetylglucosamine 6-dehydrogenase (1.1.1.136)	101/01183	. . Geraniol dehydrogenase (1.1.1.183)
101/01137	. . Ribitol-5-phosphate 2-dehydrogenase (1.1.1.137)	101/01184	. . Carbonyl reductase (NADPH) (1.1.1.184)
101/01138	. . Mannitol 2-dehydrogenase (NADP+) (1.1.1.138)	101/01185	. . L-Glycol dehydrogenase (1.1.1.185)
101/0114	. . Sorbitol-6-phosphate 2-dehydrogenase (1.1.1.140)	101/01186	. . dTDP-galactose 6-dehydrogenase (1.1.1.186)
101/01141	. . 15-Hydroxyprostaglandin dehydrogenase (NAD+) (1.1.1.141)	101/01187	. . GDP-4-dehydro-D-rhamnose reductase (1.1.1.187)
101/01142	. . D-Pinitol dehydrogenase (1.1.1.142)	101/01188	. . Prostaglandin-F synthase (1.1.1.188)
101/01143	. . Sequoyitol dehydrogenase (1.1.1.143)	101/01189	. . Prostaglandin-E(2) 9-reductase (1.1.1.189)
101/01144	. . Perillyl-alcohol dehydrogenase (1.1.1.144)	101/0119	. . Indole-3-acetaldehyde reductase (NADH) (1.1.1.190)
101/01145	. . 3-Beta-hydroxy-DELTA5-steroid dehydrogenase (1.1.1.145)	101/01191	. . Indole-3-acetaldehyde reductase (NADPH) (1.1.1.191)
101/01146	. . 11-Beta-hydroxysteroid dehydrogenase (1.1.1.146)	101/01192	. . Long-chain-alcohol dehydrogenase (1.1.1.192)
101/01147	. . 16-Alpha-hydroxysteroid dehydrogenase (1.1.1.147)	101/01193	. . 5-Amino-6-(5-phosphoribosylamino)uracil reductase (1.1.1.193)
101/01148	. . Estradiol 17alpha-dehydrogenase (1.1.1.148)	101/01194	. . Coniferyl-alcohol dehydrogenase (1.1.1.194)
101/01149	. . 20-Alpha-hydroxysteroid dehydrogenase (1.1.1.149)	101/01195	. . Cinnamyl-alcohol dehydrogenase (1.1.1.195)
101/0115	. . 21-Hydroxysteroid dehydrogenase (NAD+) (1.1.1.150)	101/01196	. . 15-Hydroxyprostaglandin-D dehydrogenase (NADP+) (1.1.1.196)
101/01151	. . 21-Hydroxysteroid dehydrogenase (NADP+) (1.1.1.151)	101/01197	. . 15-Hydroxyprostaglandin dehydrogenase (NADP+) (1.1.1.197)
101/01152	. . 3-Alpha-hydroxy-5-beta-androstane-17-one 3-alpha-dehydrogenase (1.1.1.152)	101/01198	. . (+)-Borneol dehydrogenase (1.1.1.198)
101/01153	. . Sepiapterin reductase (L-erythro-7,8-dihydrobiopterin forming) (1.1.1.153)	101/01199	. . (S)-Usnate reductase (1.1.1.199)
101/01154	. . Ureidoglycolate dehydrogenase (1.1.1.154)	101/012	. . Aldose-6-phosphate reductase (NADPH) (1.1.1.200)
101/01156	. . Glycerol 2-dehydrogenase (NADP+) (1.1.1.156)	101/01201	. . 7-Beta-hydroxysteroid dehydrogenase (NADP+) (1.1.1.201)
101/01157	. . 3-Hydroxybutyryl-CoA dehydrogenase (1.1.1.157)	101/01202	. . 1,3-Propanediol dehydrogenase (1.1.1.202)
101/01158	. . UDP-N-acetylmuramate dehydrogenase (1.1.1.158), i.e. UDP-N-acetylenolpyruvoylglucosamine reductase	101/01203	. . Uronate dehydrogenase (1.1.1.203)
101/01159	. . 7-Alpha-hydroxysteroid dehydrogenase (1.1.1.159)	101/01205	. . IMP dehydrogenase (1.1.1.205)
101/0116	. . Dihydrobunolol dehydrogenase (1.1.1.160)	101/01206	. . Tropinone reductase I (1.1.1.206)
101/01162	. . Erythrulose reductase (1.1.1.162)	101/01207	. . (-)-Menthol dehydrogenase (1.1.1.207)
101/01163	. . Cyclopentanol dehydrogenase (1.1.1.163)	101/01208	. . (+)-Neomenthol dehydrogenase (1.1.1.208)
		101/01209	. . 3 (or 17)-Alpha-hydroxysteroid dehydrogenase (1.1.1.209)

101/0121	. . 3-Beta (or 20-alpha)-hydroxysteroid dehydrogenase (1.1.1.210)	101/01255	. . Mannitol dehydrogenase (1.1.1.255)
101/01211	. . Long-chain-3-hydroxyacyl-CoA dehydrogenase (1.1.1.211)	101/01256	. . Fluoren-9-ol dehydrogenase (1.1.1.256)
101/01212	. . 3-Oxoacyl-[acyl-carrier-protein] reductase (NADH) (1.1.1.212)	101/01257	. . 4-(Hydroxymethyl)benzenesulfonate dehydrogenase (1.1.1.257)
101/01213	. . 3Alpha-hydroxysteroid 3-dehydrogenase (A-specific) (1.1.1.213)	101/01258	. . 6-Hydroxyhexanoate dehydrogenase (1.1.1.258)
101/01214	. . 2-Dehydropantolactone reductase (B-specific) (1.1.1.214)	101/01259	. . 3-Hydroxypimeloyl-CoA dehydrogenase (1.1.1.259)
101/01215	. . Gluconate 2-dehydrogenase (1.1.1.215)	101/0126	. . Sulcatone reductase (1.1.1.260)
101/01216	. . Farnesol dehydrogenase (1.1.1.216)	101/01261	. . sn-Glycerol-1-phosphate dehydrogenase (1.1.1.261)
101/01217	. . Benzyl-2-methyl-hydroxybutyrate dehydrogenase (1.1.1.217)	101/01262	. . 4-Hydroxythreonine-4-phosphate dehydrogenase (1.1.1.262)
101/01218	. . Morphine 6-dehydrogenase (1.1.1.218)	101/01263	. . 1,5-Anhydro-D-fructose reductase (1.1.1.263)
101/01219	. . Dihydrokaempferol 4-reductase (1.1.1.219), i.e. dihydroflavonol-4-reductase	101/01264	. . L-Idonate 5-dehydrogenase (1.1.1.264), i.e. L-idonate 2-dehydrogenase
101/0122	. . 6-Pyruvoyltetrahydropterin 2'-reductase (1.1.1.220)	101/01265	. . 3-Methylbutanal reductase (1.1.1.265)
101/01221	. . Vomifoliol dehydrogenase (1.1.1.221)	101/01266	. . dTDP-4-dehydro-6-deoxyglucose reductase (1.1.1.266)
101/01222	. . (R)-4-Hydroxyphenyllactate dehydrogenase (1.1.1.222)	101/01267	. . 1-Deoxy-D-xylulose-5-phosphate reductoisomerase (1.1.1.267)
101/01223	. . Isopiperitenol dehydrogenase (1.1.1.223)	101/01268	. . 2-(R)-Hydroxypropyl-CoM dehydrogenase (1.1.1.268)
101/01224	. . Mannose-6-phosphate 6-reductase (1.1.1.224)	101/01269	. . 2-(S)-Hydroxypropyl-CoM dehydrogenase (1.1.1.269)
101/01225	. . Chlordecone reductase (1.1.1.225)	101/0127	. . 3Beta-hydroxysteroid 3-dehydrogenase (1.1.1.270)
101/01226	. . 4-Hydroxycyclohexanecarboxylate dehydrogenase (1.1.1.226)	101/01271	. . GDP-L-fucose synthase (1.1.1.271)
101/01227	. . (-)-Borneol dehydrogenase (1.1.1.227)	101/01272	. . (R)-2-Hydroxyacid dehydrogenase (1.1.1.272)
101/01228	. . (+)-Sabinol dehydrogenase (1.1.1.228)	101/01273	. . Velloimine dehydrogenase (1.1.1.273)
101/01229	. . Diethyl 2-methyl-3-oxosuccinate reductase (1.1.1.229)	101/01274	. . 2,5-Didehydrogluconate reductase (1.1.1.274), i.e. 2,5-diketo-D-gluconic acid reductase
101/0123	. . 3-Alpha-hydroxyglycylrrhetinate dehydrogenase (1.1.1.230)	101/01275	. . (+)-Trans-carveol dehydrogenase (1.1.1.275)
101/01231	. . 15-Hydroxyprostaglandin-I dehydrogenase (NADP+) (1.1.1.231)	101/01276	. . Serine 3-dehydrogenase (1.1.1.276)
101/01232	. . 15-Hydroxyicosatetraenoate dehydrogenase (1.1.1.232)	101/01277	. . 3-Beta-hydroxy-5-beta-steroid dehydrogenase (1.1.1.277)
101/01233	. . N-Acylmannosamine 1-dehydrogenase (1.1.1.233)	101/01278	. . 3-Beta-hydroxy-5-alpha-steroid dehydrogenase (1.1.1.278)
101/01234	. . Flavanone 4-reductase (1.1.1.234)	101/01279	. . (R)-3-Hydroxyacid-ester dehydrogenase (1.1.1.279)
101/01235	. . 8-Oxocoformycin reductase (1.1.1.235)	101/0128	. . (S)-3-Hydroxyacid-ester dehydrogenase (1.1.1.280)
101/01236	. . Tropinone reductase II (1.1.1.236)	101/01281	. . GDP-4-dehydro-6-deoxy-D-mannose reductase (1.1.1.281)
101/01237	. . Hydroxyphenylpyruvate reductase (1.1.1.237)	101/01282	. . Quinate/shikimate dehydrogenase (1.1.1.282)
101/01238	. . 12-Beta-hydroxysteroid dehydrogenase (1.1.1.238)	101/01283	. . Methylglyoxal reductase (NADPH-dependent) (1.1.1.283)
101/01239	. . 3Alpha(17beta)-hydroxysteroid dehydrogenase (NAD+) (1.1.1.239), i.e. testosterone 17beta-dehydrogenase	101/01284	. . S-(hydroxymethyl)glutathione dehydrogenase (1.1.1.284), i.e. nitroreductase
101/0124	. . N-Acetylhexosamine 1-dehydrogenase (1.1.1.240)	101/01285	. . 3"-Deamino-3"-oxonicotianamine reductase (1.1.1.285)
101/01241	. . 6-Endo-hydroxycineole dehydrogenase (1.1.1.241)	101/01286	. . Isocitrate--homoisocitrate dehydrogenase (1.1.1.286)
101/01243	. . Carveol dehydrogenase (1.1.1.243)	101/01287	. . D-Arabinitol dehydrogenase (NADP+) (1.1.1.287)
101/01244	. . Methanol dehydrogenase (1.1.1.244)	101/01288	. . Xanthoxin dehydrogenase (1.1.1.288)
101/01245	. . Cyclohexanol dehydrogenase (1.1.1.245)	101/01289	. . Sorbose reductase (1.1.1.289)
101/01246	. . Pterocarpin synthase (1.1.1.246)	101/0129	. . 4-Phosphoerythronate dehydrogenase (1.1.1.290)
101/01247	. . Codeinone reductase (NADPH) (1.1.1.247)	101/01291	. . 2-Hydroxymethylglutarate dehydrogenase (1.1.1.291)
101/01248	. . Salutaridine reductase (NADPH) (1.1.1.248)	101/01292	. . 1,5-Anhydro-D-fructose reductase (1,5-anhydro-D-mannitol-forming) (1.1.1.292)
101/0125	. . D-Arabinitol 2-dehydrogenase (1.1.1.250)	101/01294	. . Chlorophyll(ide) b reductase (1.1.1.294)
101/01251	. . Galactitol-1-phosphate 5-dehydrogenase (1.1.1.251)	101/01295	. . Momilactone-A synthase (1.1.1.295)
101/01252	. . Tetrahydroxynaphthalene reductase (1.1.1.252)		
101/01254	. . (S)-Carnitine 3-dehydrogenase (1.1.1.254)		

101/01296	. . Dihydrocarveol dehydrogenase (1.1.1.296)	101/01339	. . dTDP-6-deoxy-L-talose 4-dehydrogenase (NAD ⁺) (1.1.1.339)
101/01297	. . Limonene-1,2-diol dehydrogenase (1.1.1.297)	101/0134	. . 1-Deoxy-11beta-hydroxypentalenate dehydrogenase (1.1.1.340)
101/01298	. . 3-Hydroxypropionate dehydrogenase (NADP ⁺) (1.1.1.298)	101/01341	. . CDP-abequose synthase (1.1.1.341)
101/01299	. . Malate dehydrogenase (NAD(P) ⁺)(1.1.1.299)	101/01342	. . CDP-paratose synthase (1.1.1.342)
101/013	. . NADP-retinol dehydrogenase (1.1.1.300)	101/01817	. . Sulfoacetaldehyde reductase (1.1.1.B17)
101/01301	. . D-Arabitol-phosphate dehydrogenase (1.1.1.301)	101/02	. . with a cytochrome as acceptor (1.1.2)
101/01302	. . 2,5-Diamino-6-(ribosylamino)-4(3H)-pyrimidinone 5'-phosphate reductase (1.1.1.302)	101/02002	. . Mannitol dehydrogenase (cytochrome) (1.1.2.2)
101/01303	. . Diacetyl reductase, [(R)-acetoin forming] (1.1.1.303)	101/02003	. . L-Lactate dehydrogenase (cytochrome) (1.1.2.3)
101/01304	. . Diacetyl reductase, (S)-acetoin forming (1.1.1.304)	101/02004	. . D-lactate dehydrogenase (cytochrome) (1.1.2.4)
101/01305	. . UDP-glucuronic acid dehydrogenase (UDP-4-keto-hexauronic acid decarboxylating)(1.1.1.305)	101/02005	. . D-Lactate dehydrogenase (cytochrome c-553) (1.1.2.5)
101/01306	. . S-(Hydroxymethyl)mycothiol dehydrogenase (1.1.1.306)	101/02006	. . Polyvinyl alcohol dehydrogenase (cytochrome) (1.1.2.6)
101/01307	. . D-Xylose reductase (1.1.1.307)	101/02007	. . Methanol dehydrogenase (cytochrome c)(1.1.2.7)
101/01308	. . Sulfopropanediol 3-dehydrogenase (1.1.1.308)	101/02008	. . Alcohol dehydrogenase (cytochrome c)(1.1.2.8)
101/01309	. . Phosphonoacetaldehyde reductase (NADH) (1.1.1.309)	101/03	. . with a oxygen as acceptor (1.1.3)
101/0131	. . (S)-Sulfolactate dehydrogenase (1.1.1.310)	101/03003	. . Malate oxidase (1.1.3.3)
101/01311	. . (S)-1-Phenylethanol dehydrogenase (1.1.1.311)	101/03004	. . Glucose oxidase (1.1.3.4)
101/01312	. . 2-Hydroxy-4-carboxymuconate semialdehyde hemiacetal dehydrogenase (1.1.1.312)	101/03005	. . Hexose oxidase (1.1.3.5)
101/01313	. . Sulfoacetaldehyde reductase (1.1.1.313)	101/03006	. . Cholesterol oxidase (1.1.3.6)
101/01314	. . Germacrene A alcohol dehydrogenase (1.1.1.314)	101/03007	. . Aryl-alcohol oxidase (1.1.3.7)
101/01315	. . 11-Cis-retinol dehydrogenase (1.1.1.315)	101/03008	. . L-Gulonolactone oxidase (1.1.3.8)
101/01316	. . L-Galactose 1-dehydrogenase (1.1.1.316)	101/03009	. . Galactose oxidase (1.1.3.9)
101/01317	. . Perakine reductase (1.1.1.317)	101/0301	. . Pyranose oxidase (1.1.3.10)
101/01318	. . Eugenol synthase (1.1.1.318)	101/03011	. . L-sorbose oxidase (1.1.3.11)
101/01319	. . Isoeugenol synthase (1.1.1.319)	101/03012	. . Pyridoxine 4-oxidase (1.1.3.12)
101/0132	. . Benzil reductase [(S)-benzoin forming] (1.1.1.320)	101/03013	. . Alcohol oxidase (1.1.3.13)
101/01321	. . Benzil reductase [(R)-benzoin forming] (1.1.1.321)	101/03014	. . Catechol oxidase (dimerizing) (1.1.3.14)
101/01322	. . (-)-Endo-fenchol dehydrogenase (1.1.1.322)	101/03015	. . (S)-2-Hydroxy-acid oxidase (1.1.3.15)
101/01323	. . (+)-Thujan-3-ol dehydrogenase (1.1.1.323)	101/03016	. . Ecdysone oxidase (1.1.3.16)
101/01324	. . 8-Hydroxygeraniol dehydrogenase (1.1.1.324)	101/03017	. . Choline oxidase (1.1.3.17)
101/01325	. . Sepiapterin reductase (L-threo-7,8-dihydrobiopterin forming) (1.1.1.325)	101/03018	. . Secondary-alcohol oxidase (1.1.3.18)
101/01326	. . Zerumbone synthase (1.1.1.326)	101/03019	. . 4-Hydroxymandelate oxidase (1.1.3.19)
101/01327	. . 5-Exo-hydroxycamphor dehydrogenase (1.1.1.327)	101/0302	. . Long-chain-alcohol oxidase (1.1.3.20)
101/01328	. . Nicotine blue oxidoreductase (1.1.1.328)	101/03021	. . Glycerol-3-phosphate-oxidase (1.1.3.21)
101/01329	. . 2-Deoxy-scylo-inosamine dehydrogenase (1.1.1.329)	101/03023	. . Thiamine oxidase (1.1.3.23)
101/0133	. . Very-long-chain 3-oxoacyl-CoA reductase (1.1.1.330)	101/03027	. . Hydroxyphytanate oxidase (1.1.3.27)
101/01331	. . Secoisolariciresinol dehydrogenase (1.1.1.331)	101/03028	. . Nucleoside oxidase (1.1.3.28)
101/01332	. . Chanoclavine-I dehydrogenase (1.1.1.332)	101/03029	. . N-Acylhexosamine oxidase (1.1.3.29)
101/01333	. . Decaprenylphospho-beta-D-erythro-pentofuranosid-2-ulose 2-reductase (1.1.1.333)	101/0303	. . Polyvinyl-alcohol oxidase (1.1.3.30)
101/01334	. . Methylecgonone reductase (1.1.1.334)	101/03037	. . D-Arabinono-1,4-lactone oxidase (1.1.3.37)
101/01335	. . UDP-N-acetyl-2-amino-2-deoxyglucuronate dehydrogenase (1.1.1.335)	101/03038	. . Vanillyl-alcohol oxidase (1.1.3.38)
101/01336	. . UDP-N-acetyl-D-mannosamine dehydrogenase (1.1.1.336)	101/03039	. . Nucleoside oxidase (H ₂ O ₂ -forming) (1.1.3.39)
101/01337	. . L-2-Hydroxycarboxylate dehydrogenase (NAD ⁺) (1.1.1.337)	101/0304	. . D-Mannitol oxidase (1.1.3.40)
101/01338	. . (2R)-3-Sulfolactate dehydrogenase (NADP ⁺) (1.1.1.338)	101/03041	. . Alditol oxidase (1.1.3.41)
		101/03042	. . Prosolanapyrone-II oxidase (1.1.3.42)
		101/03043	. . Paromamine 6'-oxidase (1.1.3.43)
		101/03044	. . 6'''-Hydroxyneomycin C oxidase (1.1.3.44)
		101/04	. . with a disulfide as acceptor (1.1.4)
		101/04001	. . Vitamin-K-epoxide reductase (warfarin-sensitive) (1.1.4.1)
		101/04002	. . Vitamin-K-epoxide reductase (warfarin-insensitive) (1.1.4.2)
		101/05	. . with a quinone or similar compound as acceptor (1.1.5)
		101/05002	. . Quinoprotein glucose dehydrogenase (1.1.5.2)
		101/05003	. . Glycerol-3-phosphate dehydrogenase (1.1.5.3)
		101/05004	. . Malate dehydrogenase (quinone) (1.1.5.4)
		101/05005	. . Alcohol dehydrogenase (quinone) (1.1.5.5)
		101/05006	. . Formate dehydrogenase-N (1.1.5.6)

- 101/05007 . . Cyclic alcohol dehydrogenase (quinone) (1.1.5.7)
 101/05008 . . Quinate dehydrogenase (quinone) (1.1.5.8)
 101/09 . . with a copper protein as acceptor (1.1.9)
 101/09001 . . Alcohol dehydrogenase (azurin) (1.1.9.1)
 101/98 . . with other, known, acceptors (1.1.98)
 101/98002 . . Glucose-6-phosphate dehydrogenase (coenzyme-F420) (1.1.98.2)
 101/98003 . . Decaprenylphospho-beta-D-ribofuranose 2-oxidase (1.1.98.3)
 101/99 . . with other acceptors (1.1.99)
 101/99001 . . Choline dehydrogenase (1.1.99.1)
 101/99002 . . 2-Hydroxyglutarate dehydrogenase (1.1.99.2)
 101/99003 . . Gluconate 2-dehydrogenase (acceptor) (1.1.99.3)
 101/99004 . . Dehydrogluconate dehydrogenase (1.1.99.4)
 101/99006 . . D-2-Hydroxy-acid dehydrogenase (1.1.99.6)
 101/99007 . . Lactate--malate transhydrogenase (1.1.99.7)
 101/99008 . . Alcohol dehydrogenase (acceptor) (1.1.99.8)
[\(C12Y 101/02007, C12Y 101/02008 take precedence\)](#)
 101/99009 . . Pyridoxine 5-dehydrogenase (1.1.99.9)
 101/9901 . . Glucose dehydrogenase (acceptor) (1.1.99.10)
 101/99011 . . Fructose 5-dehydrogenase (1.1.99.11)
 101/99012 . . Sorbose dehydrogenase (1.1.99.12)
 101/99013 . . Glucoside 3-dehydrogenase (1.1.99.13)
 101/99014 . . Glycolate dehydrogenase (1.1.99.14)
 101/99018 . . Cellobiose oxidase (1.1.99.18)
 101/9902 . . Alkan-1-ol dehydrogenase (acceptor) (1.1.99.20)
 101/99021 . . D-Sorbitol dehydrogenase (acceptor) (1.1.99.21)
 101/99022 . . Glycerol dehydrogenase (acceptor) (1.1.99.22)
 101/99024 . . Hydroxyacid-oxoacid transhydrogenase (1.1.99.24)
 101/99026 . . 3-Hydroxycyclohexanone dehydrogenase (1.1.99.26)
 101/99027 . . (R)-Pantolactone dehydrogenase (flavin) (1.1.99.27)
 101/99028 . . Glucose-fructose oxidoreductase (1.1.99.28)
 101/99029 . . Pyranose dehydrogenase (acceptor) (1.1.99.29)
 101/9903 . . 2-Oxo-acid reductase (1.1.99.30)
 101/99031 . . (S)-Mandelate dehydrogenase (1.1.99.31)
 101/99032 . . L-Sorbose 1-dehydrogenase (1.1.99.32)
 101/99033 . . Formate dehydrogenase (acceptor) (1.1.99.33)
 101/99035 . . Soluble quinoprotein glucose dehydrogenase (1.1.99.35)
 101/99036 . . NDMA-dependent alcohol dehydrogenase (1.1.99.36)
 101/99037 . . NDMA-dependent methanol dehydrogenase (1.1.99.37)
 101/99038 . . 2-Deoxy-scylo-inosamine dehydrogenase (SAM-dependent) (1.1.99.38)
102/00 Oxidoreductases acting on the aldehyde or oxo group of donors (1.2)
 102/01 . . with NAD⁺ or NADP⁺ as acceptor (1.2.1)
 102/01001 . . Formaldehyde dehydrogenase (glutathione) (1.2.1.1) [\(C12Y 101/01284, C12Y 404/01022 take precedence\)](#)
 102/01002 . . Formate dehydrogenase (1.2.1.2)
 102/01003 . . Aldehyde dehydrogenase (NAD⁺) (1.2.1.3)
 102/01004 . . Aldehyde dehydrogenase (NADP⁺) (1.2.1.4)
 102/01005 . . Aldehyde dehydrogenase [NAD(P)⁺] (1.2.1.5)
 102/01007 . . Benzaldehyde dehydrogenase (NADP⁺) (1.2.1.7)
 102/01008 . . Betaine-aldehyde dehydrogenase (NADH) (1.2.1.8)
 102/01009 . . Glyceraldehyde-3-phosphate dehydrogenase (NADP⁺) (1.2.1.9)
 102/0101 . . Acetaldehyde dehydrogenase (acetylating) (1.2.1.10)
 102/01011 . . Aspartate-semialdehyde dehydrogenase (1.2.1.11)
 102/01012 . . Glyceraldehyde-3-phosphate dehydrogenase (phosphorylating) (1.2.1.12)
 102/01013 . . Glyceraldehyde-3-phosphate dehydrogenase (NADP⁺) (phosphorylating) (1.2.1.13)
 102/01015 . . Malonate-semialdehyde dehydrogenase (1.2.1.15)
 102/01016 . . Succinate-semialdehyde dehydrogenase [NAD(P)⁺] (1.2.1.16)
 102/01017 . . Glyoxylate dehydrogenase (acylating) (1.2.1.17)
 102/01018 . . Malonate-semialdehyde dehydrogenase (acetylating) (1.2.1.18)
 102/01019 . . Aminobutyraldehyde dehydrogenase (1.2.1.19)
 102/0102 . . Glutarate-semialdehyde dehydrogenase (1.2.1.20)
 102/01021 . . Glycolaldehyde dehydrogenase (1.2.1.21)
 102/01022 . . Lactaldehyde dehydrogenase (1.2.1.22)
 102/01023 . . 2-Oxoaldehyde dehydrogenase (NAD⁺) (1.2.1.23)
 102/01024 . . Succinate-semialdehyde dehydrogenase (NAD⁺) (1.2.1.24)
 102/01025 . . 2-Oxoisovalerate dehydrogenase (acylating) (1.2.1.25)
 102/01026 . . 2,5-Dioxoaldehyde dehydrogenase (1.2.1.26)
 102/01027 . . Methylmalonate-semialdehyde dehydrogenase (acylating) (1.2.1.27)
 102/01028 . . Benzaldehyde dehydrogenase (NAD⁺) (1.2.1.28)
 102/01029 . . Aryl-aldehyde dehydrogenase (1.2.1.29)
 102/0103 . . Aryl-aldehyde dehydrogenase (NADP⁺) (1.2.1.30)
 102/01031 . . L-Aminoadipate-semialdehyde dehydrogenase (1.2.1.31), i.e. alpha-aminoadipate reductase
 102/01032 . . Aminomuconate-semialdehyde dehydrogenase (1.2.1.32)
 102/01033 . . (R)-Dehydropanoate dehydrogenase (1.2.1.33)
 102/01036 . . Retinal dehydrogenase (1.2.1.36)
 102/01038 . . N-Acetyl-gamma-glutamyl-phosphate reductase (1.2.1.38)
 102/01039 . . Phenylacetaldehyde dehydrogenase (1.2.1.39)
 102/01041 . . Glutamate-5-semialdehyde dehydrogenase (1.2.1.41)
 102/01042 . . Hexadecanal dehydrogenase (acylating) (1.2.1.42), i.e. fatty acyl-CoA reductase
 102/01043 . . Formate dehydrogenase (NADP⁺) (1.2.1.43)
 102/01044 . . Cinnamoyl-CoA reductase (1.2.1.44)
 102/01046 . . Formaldehyde dehydrogenase (1.2.1.46)
 102/01047 . . 4-Trimethylammoniobutyraldehyde dehydrogenase (1.2.1.47)
 102/01048 . . Long-chain-aldehyde dehydrogenase (1.2.1.48)
 102/01049 . . 2-Oxoaldehyde dehydrogenase (NADP⁺) (1.2.1.49)
 102/0105 . . Long-chain-fatty-acyl-CoA reductase (1.2.1.50)
 102/01051 . . Pyruvate dehydrogenase (NADP⁺) (1.2.1.51)
 102/01052 . . Oxoglutarate dehydrogenase (NADP⁺) (1.2.1.52)
 102/01053 . . 4-Hydroxyphenylacetaldehyde dehydrogenase (1.2.1.53)
 102/01054 . . Gamma-guanidinobutyraldehyde dehydrogenase (1.2.1.54)
 102/01057 . . Butanal dehydrogenase (1.2.1.57)
 102/01058 . . Phenylglyoxylate dehydrogenase (acylating) (1.2.1.58)

- 102/01059 . . Glyceraldehyde-3-phosphate dehydrogenase (NAD(P)+)(phosphorylating) (1.2.1.59)
- 102/0106 . . 5-Carboxymethyl-2-hydroxymuconic-semialdehyde dehydrogenase (1.2.1.60)
- 102/01061 . . 4-Hydroxymuconic-semialdehyde dehydrogenase (1.2.1.61)
- 102/01062 . . 4-Formylbenzenesulfonate dehydrogenase (1.2.1.62)
- 102/01063 . . 6-Oxohexanoate dehydrogenase (1.2.1.63)
- 102/01064 . . 4-Hydroxybenzaldehyde dehydrogenase (1.2.1.64)
- 102/01065 . . Salicylaldehyde dehydrogenase (1.2.1.65)
- 102/01067 . . Vanillin dehydrogenase (1.2.1.67)
- 102/01068 . . Coniferyl-aldehyde dehydrogenase (1.2.1.68)
- 102/01069 . . Fluoroacetaldehyde dehydrogenase (1.2.1.69)
- 102/0107 . . Glutamyl-tRNA reductase (1.2.1.70)
- 102/01071 . . Succinylglutamate-semialdehyde dehydrogenase (1.2.1.71)
- 102/01072 . . Erythrose-4-phosphate dehydrogenase (1.2.1.72)
- 102/01073 . . Sulfoacetaldehyde dehydrogenase (1.2.1.73)
- 102/01074 . . Abieta-7,13-dien-18-al dehydrogenase (1.2.1.74)
- 102/01075 . . Malonyl CoA reductase (malonate semialdehyde-forming)(1.2.1.75)
- 102/01076 . . Succinate-semialdehyde dehydrogenase (acetylating) (1.2.1.76)
- 102/01077 . . 3,4-Dehydroadipyl-CoA semialdehyde dehydrogenase (NADP+) (1.2.1.77)
- 102/01078 . . 2-Formylbenzoate dehydrogenase (1.2.1.78)
- 102/01079 . . Succinate-semialdehyde dehydrogenase (NADP+) (1.2.1.79)
- 102/0108 . . Long-chain acyl-[acyl-carrier-protein] reductase (1.2.1.80)
- 102/01081 . . Sulfoacetaldehyde dehydrogenase (acylating) (1.2.1.81)
- 102/01082 . . Beta-apo-4'-carotenal oxygenase (1.2.1.82)
- 102/01083 . . 3-Succinoylsemialdehyde-pyridine dehydrogenase (1.2.1.83)
- 102/01084 . . Alcohol-forming fatty acyl-CoA reductase (1.2.1.84)
- 102/01085 . . 2-Hydroxymuconate-6-semialdehyde dehydrogenase (1.2.1.85)
- 102/01086 . . Geranial dehydrogenase (1.2.1.86)
- 102/02 . . with a cytochrome as acceptor (1.2.2)
- 102/02001 . . Formate dehydrogenase (cytochrome) (1.2.2.1)
- 102/02003 . . Formate dehydrogenase (cytochrome c-553) (1.2.2.3)
- 102/02004 . . Carbon-monoxide dehydrogenase (cytochrome b-561)(1.2.2.4)
- 102/03 . . with oxygen as acceptor (1.2.3)
- 102/03001 . . Aldehyde oxidase (1.2.3.1), i.e. retinal oxidase
- 102/03003 . . Pyruvate oxidase (1.2.3.3)
- 102/03004 . . Oxalate oxidase (1.2.3.4)
- 102/03005 . . Glyoxylate oxidase (1.2.3.5)
- 102/03006 . . Pyruvate oxidase (CoA-acetylating) (1.2.3.6)
- 102/03007 . . Indole-3-acetaldehyde oxidase (1.2.3.7)
- 102/03008 . . Pyridoxal oxidase (1.2.3.8)
- 102/03009 . . Aryl-aldehyde oxidase (1.2.3.9)
- 102/03013 . . 4-Hydroxyphenylpyruvate oxidase (1.2.3.13)
- 102/03014 . . Absciscic-aldehyde oxidase (1.2.3.14)
- 102/04 . . with a disulfide as acceptor (1.2.4)
- 102/04001 . . Pyruvate dehydrogenase (acetyl-transferring) (1.2.4.1)
- 102/04002 . . Oxoglutarate dehydrogenase (succinyl-transferring) (1.2.4.2), i.e. alpha-ketoglutarate dehydrogenase
- 102/04004 . . 3-Methyl-2-oxobutanoate dehydrogenase (2-methylpropanoyl-transferring) (1.2.4.4), i.e. branched-chain-alpha-ketoacid dehydrogenase
- 102/05 . . with a quinone or similar compound as acceptor (1.2.5)
- 102/05001 . . Pyruvate dehydrogenase (quinone) (1.2.5.1)
- 102/07 . . with an iron-sulfur protein as acceptor (1.2.7)
- 102/07001 . . Pyruvate synthase (1.2.7.1), i.e. pyruvate ferredoxin oxidoreductase
- 102/07002 . . 2-Oxobutyrate synthase (1.2.7.2)
- 102/07003 . . 2-Oxoglutarate synthase (1.2.7.3)
- 102/07004 . . Carbon-monoxide dehydrogenase (ferredoxin) (1.2.7.4)
- 102/07005 . . Aldehyde ferredoxin oxidoreductase (1.2.7.5)
- 102/07006 . . Glyceraldehyde-3-phosphate dehydrogenase (ferredoxin) (1.2.7.6)
- 102/07007 . . 3-Methyl-2-oxobutanoate dehydrogenase (ferredoxin) (1.2.7.7)
- 102/07008 . . Indolepyruvate ferredoxin oxidoreductase (1.2.7.8)
- 102/0701 . . Oxalate oxidoreductase (1.2.7.10)
- 102/99 . . with other acceptors (1.2.99)
- 102/99002 . . Carbon-monoxide dehydrogenase (acceptor) (1.2.99.2)
- 102/99003 . . Aldehyde dehydrogenase (pyrroloquinoline-quinone) (1.2.99.3)
- 102/99004 . . Formaldehyde dismutase (1.2.99.4)
- 102/99005 . . Formylmethanofuran dehydrogenase (1.2.99.5)
- 102/99006 . . Carboxylate reductase (1.2.99.6)
- 102/99007 . . Aldehyde dehydrogenase (FAD-independent) (1.2.99.7)
- 103/00 Oxidoreductases acting on the CH-CH group of donors (1.3)**
- 103/01 . . with NAD+ or NADP+ as acceptor (1.3.1)
- 103/01001 . . Dihydropyrimidine dehydrogenase (NAD+) (1.3.1.1)
- 103/01002 . . Dihydropyrimidine dehydrogenase (NADP+) (1.3.1.2)
- 103/01003 . . DELTA4-3-oxosteroid 5-beta-reductase (1.3.1.3)
- 103/01005 . . Cucurbitacin DELTA23-reductase (1.3.1.5)
- 103/01006 . . Fumarate reductase (NADH) (1.3.1.6)
- 103/01007 . . Meso-tartrate dehydrogenase (1.3.1.7)
- 103/01008 . . Acyl-CoA dehydrogenase (NADP+) (1.3.1.8)
- 103/01009 . . Enoyl-[acyl-carrier-protein] reductase (NADH) (1.3.1.9)
- 103/0101 . . Enoyl-[acyl-carrier-protein] reductase (NADPH, B-specific)(1.3.1.10)
- 103/01011 . . 2-Coumarate reductase (1.3.1.11)
- 103/01012 . . Prephenate dehydrogenase (1.3.1.12)
- 103/01013 . . Prephenate dehydrogenase (NADP+) (1.3.1.13)
- 103/01014 . . Dihydroorotate dehydrogenase (NAD+) (1.3.1.14)
- 103/01015 . . Dihydroorotate dehydrogenase (NADP+) (1.3.1.15)
- 103/01016 . . Beta-nitroacrylate reductase (1.3.1.16)
- 103/01017 . . 3-Methyleneoxindole reductase (1.3.1.17)
- 103/01018 . . Kynurenate-7,8-dihydrodiol dehydrogenase (1.3.1.18)
- 103/01019 . . Cis-1,2-dihydrobenzene-1,2-diol dehydrogenase (1.3.1.19)

103/0102	. . Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase (1.3.1.20)	103/01071	. . DELTA24 (24(1))-sterol reductase (1.3.1.71)
103/01021	. . 7-Dehydrocholesterol reductase (1.3.1.21)	103/01072	. . DELTA24-sterol reductase (1.3.1.72)
103/01022	. . 3-Oxo-5 α -steroid 4-dehydrogenase (NADP+) (1.3.1.22), i.e. cortisone α -reductase	103/01073	. . 1,2-Dihydrovomilenine reductase (1.3.1.73)
103/01024	. . Biliverdin reductase (1.3.1.24)	103/01074	. . 2-Alkenal reductase (1.3.1.74)
103/01025	. . 1,6-Dihydroxycyclohexa-2,4-diene-1-carboxylate dehydrogenase (1.3.1.25)	103/01075	. . Divinyl chlorophyllide a 8-vinyl-reductase (1.3.1.75)
103/01026	. . Dihydrodipicolinate reductase (1.3.1.26)	103/01076	. . Precorrin-2 dehydrogenase (1.3.1.76)
103/01027	. . 2-Hexadecenal reductase (1.3.1.27)	103/01077	. . Anthocyanidin reductase (1.3.1.77)
103/01028	. . 2,3-Dihydro-2,3-dihydroxybenzoate dehydrogenase (1.3.1.28)	103/01078	. . Arogenate dehydrogenase (NADP+) (1.3.1.78)
103/01029	. . Cis-1,2-dihydro-1,2-dihydroxynaphthalene dehydrogenase (1.3.1.29)	103/01079	. . Arogenate dehydrogenase (NAD(P)+)(1.3.1.79)
103/01031	. . 2-Enoate reductase (1.3.1.31)	103/0108	. . Red chlorophyll catabolite reductase (1.3.1.80)
103/01032	. . Maleylacetate reductase (1.3.1.32)	103/01081	. . (+)-Pulegone reductase (1.3.1.81)
103/01033	. . Protochlorophyllide reductase (1.3.1.33)	103/01082	. . (-)-Isopiperitenone reductase (1.3.1.82)
103/01034	. . 2,4-dienoyl-CoA reductase (NADPH) (1.3.1.34)	103/01083	. . Geranylgeranyl diphosphate reductase (1.3.1.83)
103/01035	. . Phosphatidylcholine desaturase (1.3.1.35)	103/01084	. . Acrylyl-CoA reductase (NADPH) (1.3.1.84)
103/01036	. . Geissoschizine dehydrogenase (1.3.1.36)	103/01085	. . Crotonyl-CoA carboxylase/reductase (1.3.1.85)
103/01037	. . Cis-2-enoyl-CoA reductase (NADPH) (1.3.1.37)	103/01086	. . Crotonyl-CoA reductase (1.3.1.86)
103/01038	. . Trans-2-enoyl-CoA reductase (NADPH) (1.3.1.38)	103/01087	. . 3-(Cis-5,6-dihydroxycyclohexa-1,3-dien-1-yl)propanoate dehydrogenase (1.3.1.87)
103/01039	. . Enoyl-[acyl-carrier-protein] reductase (NADPH, A-specific)(1.3.1.39)	103/01088	. . tRNA-dihydrouridine16/17 synthase (NAD(P)+) (1.3.1.88)
103/0104	. . 2-Hydroxy-6-oxo-6-phenylhexa-2,4-dienoate reductase (1.3.1.40)	103/01089	. . tRNA-dihydrouridine47 synthase (NAD(P)+) (1.3.1.89)
103/01041	. . Xanthommatin reductase (1.3.1.41)	103/0109	. . tRNA-dihydrouridine20a/20b synthase (NAD(P)+)(1.3.1.90)
103/01042	. . 12-Oxophytodienoate reductase (1.3.1.42), i.e. morphinone-reductase	103/01091	. . tRNA-dihydrouridine20 synthase (NAD(P)+) (1.3.1.91)
103/01043	. . Arogenate dehydrogenase (1.3.1.43)	103/01092	. . Artemisinic aldehyde DELTA11(13)-reductase (1.3.1.92)
103/01044	. . Trans-2-enoyl-CoA reductase (NAD+) (1.3.1.44)	103/01093	. . Very-long-chain enoyl-CoA reductase (1.3.1.93)
103/01045	. . 2'-Hydroxyisoflavone reductase (1.3.1.45)	103/01094	. . Polyprenol reductase (1.3.1.94)
103/01046	. . Biochanin-A reductase (1.3.1.46)	103/01095	. . Acrylyl-CoA reductase (NADH) (1.3.1.95)
103/01047	. . Alpha-santonin 1,2-reductase (1.3.1.47)	103/01096	. . Botryococcus squalene synthase (1.3.1.96)
103/01048	. . 15-Oxoprostaglandin 13-oxidase (1.3.1.48)	103/01097	. . Botryococcene synthase (1.3.1.97)
103/01049	. . Cis-3,4-dihydrophenanthrene-3,4-diol dehydrogenase (1.3.1.49)	103/02	. . with a cytochrome as acceptor (1.3.2)
103/01051	. . 2'-Hydroxydaidzein reductase (1.3.1.51)	103/02003	. . L-Galactonolactone dehydrogenase (1.3.2.3)
103/01053	. . (3S,4R)-3,4-dihydroxycyclohexa-1,5-diene-1,4-dicarboxylate dehydrogenase (1.3.1.53)	103/03	. . with oxygen as acceptor (1.3.3)
103/01054	. . Precorrin-6A reductase (1.3.1.54)	103/03003	. . Coproporphyrinogen oxidase (1.3.3.3)
103/01056	. . Cis-2,3-dihydrobiphenyl-2,3-diol dehydrogenase (1.3.1.56)	103/03004	. . Protoporphyrinogen oxidase (1.3.3.4)
103/01057	. . Phloroglucinol reductase (1.3.1.57)	103/03005	. . Bilirubin oxidase (1.3.3.5)
103/01058	. . 2,3-Dihydroxy-2,3-dihydro-p-cumate dehydrogenase (1.3.1.58)	103/03006	. . Acyl-CoA oxidase (1.3.3.6)
103/0106	. . Dibenzothiophene dihydrodiol dehydrogenase (1.3.1.60)	103/03007	. . Dihydrouracil oxidase (1.3.3.7)
103/01062	. . Pimeloyl-CoA dehydrogenase (1.3.1.62)	103/03008	. . Tetrahydroberberine oxidase (1.3.3.8)
103/01063	. . 2,4-Dichlorobenzoyl-CoA reductase (1.3.1.63)	103/03009	. . Secologanin synthase (1.3.3.9)
103/01064	. . Phthalate 4,5-cis-dihydrodiol dehydrogenase (1.3.1.64)	103/0301	. . Tryptophan α , β -oxidase (1.3.3.10)
103/01065	. . 5,6-Dihydroxy-3-methyl-2-oxo-1,2,5,6-tetrahydroquinoline dehydrogenase (1.3.1.65)	103/03011	. . Pyrroloquinoline-quinone synthase (1.3.3.11)
103/01066	. . Cis-dihydroethylcatechol dehydrogenase (1.3.1.66)	103/03012	. . L-Galactonolactone oxidase (1.3.3.12)
103/01067	. . Cis-1,2-dihydroxy-4-methylcyclohexa-3,5-diene-1-carboxylate dehydrogenase (1.3.1.67)	103/05	. . with a quinone or related compound as acceptor (1.3.5)
103/01068	. . 1,2-Dihydroxy-6-methylcyclohexa-3,5-dienecarboxylate dehydrogenase (1.3.1.68)	103/05001	. . Succinate dehydrogenase (ubiquinone) (1.3.5.1)
103/01069	. . Zeatin reductase (1.3.1.69)	103/05002	. . Dihydroorotate dehydrogenase (1.3.5.2)
103/0107	. . DELTA14-sterol reductase (1.3.1.70)	103/05003	. . Protoporphyrinogen IX dehydrogenase (menaquinone) (1.3.5.3)
		103/05004	. . Fumarate reductase (menaquinone) (1.3.5.4)
		103/05005	. . 15-Cis-phytoene desaturase (1.3.5.5)
		103/05006	. . 9,9'-Di-cis-zeta-carotene desaturase (1.3.5.6)
		103/07	. . with an iron-sulfur protein as acceptor (1.3.7)
		103/07001	. . 6-Hydroxynicotinate reductase (1.3.7.1)
		103/07002	. . 15,16-Dihydrobiliverdin:ferredoxin oxidoreductase (1.3.7.2)
		103/07003	. . Phycoerythrobilin:ferredoxin oxidoreductase (1.3.7.3)

103/07004	. . Phytochromobilin:ferredoxin oxidoreductase (1.3.7.4)	104/00	Oxidoreductases acting on the CH-NH₂ group of donors (1.4)
103/07005	. . Phycocyanobilin:ferredoxin oxidoreductase (1.3.7.5)	104/01	. with NAD ⁺ or NADP ⁺ as acceptor (1.4.1)
103/07006	. . Phycoerythrobilin synthase (1.3.7.6)	104/01001	. . Alanine dehydrogenase (1.4.1.1)
103/07007	. . Ferredoxin:protochlorophyllide reductase (ATP-dependent) (1.3.7.7)	104/01002	. . Glutamate dehydrogenase (1.4.1.2)
103/07008	. . Benzoyl-CoA reductase (1.3.7.8)	104/01003	. . Glutamate dehydrogenase (NAD(P) ⁺) (1.4.1.3)
103/07009	. . 4-Hydroxybenzoyl-CoA reductase (1.3.7.9)	104/01004	. . Glutamate dehydrogenase (NADP ⁺) (1.4.1.4)
103/0701	. . Pentalenolactone synthase (1.3.7.10)	104/01005	. . L-Amino-acid dehydrogenase (1.4.1.5)
103/08	. with flavin as acceptor (1.3.8)	104/01007	. . Serine 2-dehydrogenase (1.4.1.7)
103/08001	. . Butyryl-CoA dehydrogenase (1.3.8.1), i.e. short chain acyl-CoA dehydrogenase	104/01008	. . Valine dehydrogenase (NADP ⁺) (1.4.1.8)
103/08002	. . 4,4'-Diapophytoene desaturase (1.3.8.2)	104/01009	. . Leucine dehydrogenase (1.4.1.9)
103/08003	. . (R)-Benzylsuccinyl-CoA dehydrogenase (1.3.8.3)	104/0101	. . Glycine dehydrogenase (1.4.1.10)
103/08004	. . Isovaleryl-CoA dehydrogenase (1.3.8.4)	104/01011	. . L-Erythro-3,5-diaminohexanoate dehydrogenase (1.4.1.11)
103/08005	. . 2-Methyl-branched-chain-enoyl-CoA reductase (1.3.8.5)	104/01012	. . 2,4-Diaminopentanoate dehydrogenase (1.4.1.12)
103/08006	. . Glutaryl-CoA dehydrogenase (1.3.8.6)	104/01013	. . Glutamate synthase (NADPH) (1.4.1.13)
103/08007	. . Medium-chain acyl-CoA dehydrogenase (1.3.8.7)	104/01014	. . Glutamate synthase (NADH) (1.4.1.14)
103/08008	. . Long-chain acyl-CoA dehydrogenase (1.3.8.8)	104/01015	. . Lysine dehydrogenase (1.4.1.15)
103/08009	. . Very-long-chain acyl-CoA dehydrogenase (1.3.8.9)	104/01016	. . Diaminopimelate dehydrogenase (1.4.1.16)
103/98	. with other, known, acceptors (1.3.98)	104/01017	. . N-Methylalanine dehydrogenase (1.4.1.17)
103/98001	. . Dihydroorotate oxidase (fumarate) (1.3.98.1)	104/01018	. . Lysine 6-dehydrogenase (1.4.1.18)
103/99	. with other acceptors (1.3.99)	104/01019	. . Tryptophan dehydrogenase (1.4.1.19)
103/99001	. . Succinate dehydrogenase (1.3.99.1)	104/0102	. . Phenylalanine dehydrogenase (1.4.1.20)
103/99002	. . Butyryl-CoA dehydrogenase (1.3.99.2), i.e. short chain acyl-CoA dehydrogenase	104/01021	. . Aspartate dehydrogenase (1.4.1.21)
103/99003	. . Acyl-CoA dehydrogenase (1.3.99.3) (C12Y 103/08007 , C12Y 103/08008 and C12Y 103/08009 take precedence)	104/01023	. . Valine dehydrogenase (NAD ⁺) (1.4.1.23)
103/99004	. . 3-Oxosteroid 1-dehydrogenase (1.3.99.4)	104/01024	. . 3-Dehydroquinate synthase II (1.4.1.24)
103/99005	. . 3-Oxo-5alpha-steroid 4-dehydrogenase (acceptor) (1.3.99.5), i.e. steroid-5alpha-reductase	104/02	. with a cytochrome as acceptor (1.4.2)
103/99006	. . 3-Oxo-5-beta-steroid 4-dehydrogenase (1.3.99.6)	104/02001	. . Glycine dehydrogenase (cytochrome) (1.4.2.1)
103/99008	. . 2-Furoyl-CoA dehydrogenase (1.3.99.8)	104/03	. with oxygen as acceptor (1.4.3)
103/99012	. . 2-Methylacyl-CoA dehydrogenase (1.3.99.12)	104/03001	. . D-Aspartate oxidase (1.4.3.1)
103/99014	. . Cyclohexanone dehydrogenase (1.3.99.14)	104/03002	. . L-Amino-acid oxidase (1.4.3.2)
103/99016	. . Isoquinoline 1-oxidoreductase (1.3.99.16)	104/03003	. . D-Amino-acid oxidase (1.4.3.3)
103/99017	. . Quinoline 2-oxidoreductase (1.3.99.17)	104/03004	. . Monoamine oxidase (1.4.3.4)
103/99018	. . Quinaldate 4-oxidoreductase (1.3.99.18)	104/03005	. . Pyridoxal 5'-phosphate synthase (1.4.3.5), i.e. pyridoxamine 5-phosphate oxidase
103/99019	. . Quinoline-4-carboxylate 2-oxidoreductase (1.3.99.19)	104/03006	. . Amine oxidase (copper-containing)(1.4.3.6) (C12Y 104/03021 , C12Y 104/03022 take precedence)
103/99022	. . Coproporphyrinogen dehydrogenase (1.3.99.22)	104/03007	. . D-Glutamate oxidase (1.4.3.7)
103/99023	. . All-trans-retinol 13,14-reductase (1.3.99.23)	104/03008	. . Ethanolamine oxidase (1.4.3.8)
103/99024	. . 2-Amino-4-deoxychorismate dehydrogenase (1.3.99.24)	104/0301	. . Putrescine oxidase (1.4.3.10)
103/99025	. . Carvone reductase (1.3.99.25)	104/03011	. . L-Glutamate oxidase (1.4.3.11)
103/99026	. . All-trans-zeta-carotene desaturase (1.3.99.26)	104/03012	. . Cyclohexylamine oxidase (1.4.3.12)
103/99027	. . 1-Hydroxycarotenoid 3,4-desaturase (1.3.99.27)	104/03013	. . Protein-lysine 6-oxidase (1.4.3.13), i.e. lysyl-oxidase
103/99028	. . Phytoene desaturase (neurosporene-forming) (1.3.99.28)	104/03014	. . L-Lysine oxidase (1.4.3.14)
103/99029	. . Phytoene desaturase (zeta-carotene-forming) (1.3.99.29)	104/03015	. . D-Glutamate(D-aspartate) oxidase (1.4.3.15)
103/9903	. . Phytoene desaturase (3,4-didehydrolycopene-forming) (1.3.99.30)	104/03016	. . L-Aspartate oxidase (1.4.3.16)
103/99031	. . Phytoene desaturase (lycopene-forming) (1.3.99.31)	104/03019	. . Glycine oxidase (1.4.3.19)
103/99032	. . Glutaryl-CoA dehydrogenase (non-decarboxylating) (1.3.99.32)	104/0302	. . L-Lysine 6-oxidase (1.4.3.20)
		104/03021	. . Primary-amine oxidase (1.4.3.21), i.e. VAP-1
		104/03022	. . Diamine oxidase (1.4.3.22)
		104/03023	. . 7-Chloro-L-tryptophan oxidase (1.4.3.23)
		104/03024	. . Pseudooxynicotine oxidase (1.4.3.24)
		104/04	. with a disulfide as acceptor (1.4.4)
		104/04002	. . Glycine dehydrogenase (decarboxylating) (1.4.4.2)
		104/05	. with a quinone or similar compound as acceptor (1.4.5)
		104/05001	. . D-Amino acid dehydrogenase (quinone) (1.4.5.1)
		104/07	. with an iron-sulfur protein as acceptor (1.4.7)
		104/07001	. . Glutamate synthase (ferredoxin) (1.4.7.1)

- 104/09 . with a copper protein as acceptor (1.4.9)
- 104/09001 . . Methylamine dehydrogenase (amicyanin) (1.4.9.1)
- 104/09002 . . Aralkylamine dehydrogenase (azurin) (1.4.9.2)
- 104/98 . with other, known, acceptors (1.4.98)
- 104/99 . with other acceptors (1.4.99)
- 104/99001 . . D-Amino-acid dehydrogenase (1.4.99.1)
- 104/99002 . . Taurine dehydrogenase (1.4.99.2)
- 104/99003 . . Amine dehydrogenase (1.4.99.3)
- 104/99005 . . Glycine dehydrogenase (cyanide-forming) (1.4.99.5)

- 105/00 Oxidoreductases acting on the CH-NH group of donors (1.5)**
- 105/01 . with NAD⁺ or NADP⁺ as acceptor (1.5.1)
- 105/01001 . . Pyrroline-2-carboxylate reductase (1.5.1.1)
- 105/01002 . . Pyrroline-5-carboxylate reductase (1.5.1.2)
- 105/01003 . . Dihydrofolate reductase (1.5.1.3)
- 105/01005 . . Methylene-tetrahydrofolate dehydrogenase (NADP⁺) (1.5.1.5)
- 105/01006 . . Formyltetrahydrofolate dehydrogenase (1.5.1.6)
- 105/01007 . . Saccharopine dehydrogenase (NAD⁺, L-lysine-forming) (1.5.1.7)
- 105/01008 . . Saccharopine dehydrogenase (NADP⁺, L-lysine-forming) (1.5.1.8)
- 105/01009 . . Saccharopine dehydrogenase (NAD⁺, L-glutamate-forming) (1.5.1.9)
- 105/0101 . . Saccharopine dehydrogenase (NADP⁺, L-glutamate-forming) (1.5.1.10)
- 105/01011 . . D-Octopine dehydrogenase (1.5.1.11)
- 105/01012 . . 1-Pyrroline-5-carboxylate dehydrogenase (1.5.1.12)
- 105/01015 . . Methylene-tetrahydrofolate dehydrogenase (NAD⁺) (1.5.1.15)
- 105/01016 . . D-Lysopine dehydrogenase (1.5.1.16)
- 105/01017 . . Alanopine dehydrogenase (1.5.1.17)
- 105/01018 . . Ephedrine dehydrogenase (1.5.1.18)
- 105/01019 . . D-Nopaline dehydrogenase (1.5.1.19), i.e. D-nopaline synthase
- 105/0102 . . Methylene-tetrahydrofolate reductase [NAD(P)H] (1.5.1.20)
- 105/01021 . . DELTA1-piperidine-2-carboxylate reductase (1.5.1.21)
- 105/01022 . . Strombine dehydrogenase (1.5.1.22)
- 105/01023 . . Tauropine dehydrogenase (1.5.1.23)
- 105/01024 . . N5-(Carboxyethyl)ornithine synthase (1.5.1.24)
- 105/01025 . . Thiomorpholine-carboxylate dehydrogenase (1.5.1.25)
- 105/01026 . . Beta-alanopine dehydrogenase (1.5.1.26)
- 105/01027 . . 1,2-Dehydroreticulium reductase (NADPH) (1.5.1.27)
- 105/01028 . . Opine dehydrogenase (1.5.1.28)
- 105/01029 . . FMN reductase (1.5.1.29)
- 105/0103 . . Flavin reductase (1.5.1.30)
- 105/01031 . . Berberine reductase (1.5.1.31)
- 105/01032 . . Vomilenine reductase (1.5.1.32)
- 105/01033 . . Pteridine reductase (1.5.1.33)
- 105/01034 . . 6,7-Dihydropteridine reductase (1.5.1.34)
- 105/01036 . . Flavin reductase (NADH) (1.5.1.36)
- 105/01037 . . FAD reductase (NADH) (1.5.1.37)
- 105/01038 . . FMN reductase (NADPH) (1.5.1.38)
- 105/01039 . . FMN reductase (NAD(P)H) (1.5.1.39)

- 105/0104 . . 8-Hydroxy-5-deazaflavin:NADPH oxidoreductase (1.5.1.40)
- 105/01041 . . Riboflavin reductase (NAD(P)H) (1.5.1.41)
- 105/01042 . . FMN reductase (NADH) (1.5.1.42)
- 105/01043 . . Carboxynorspermidine synthase (1.5.1.43)
- 105/01044 . . Festuclavine dehydrogenase (1.5.1.44)
- 105/01045 . . FAD reductase [NAD(P)H] (1.5.1.45)
- 105/03 . with oxygen as acceptor (1.5.3)
- 105/03001 . . Sarcosine oxidase (1.5.3.1)
- 105/03002 . . N-Methyl-L-amino-acid oxidase (1.5.3.2)
- 105/03004 . . N6-Methyl-lysine oxidase (1.5.3.4)
- 105/03005 . . (S)-6-Hydroxynicotine oxidase (1.5.3.5)
- 105/03006 . . (R)-6-Hydroxynicotine oxidase (1.5.3.6)
- 105/03007 . . L-Pipecolate oxidase (1.5.3.7)
- 105/0301 . . Dimethylglycine oxidase (1.5.3.10)
- 105/03011 . . Polyamine oxidase (1.5.3.11)
([C12Y 105/03013](#) - [C12Y 105/03017](#) take precedence)
- 105/03012 . . Dihydrobenzophenanthridine oxidase (1.5.3.12)
- 105/03013 . . N1-Acetylpolyamine oxidase (1.5.3.13)
- 105/03014 . . Polyamine oxidase (propane-1,3-diamine-forming) (1.5.3.14)
- 105/03015 . . N8-Acetylspermidine oxidase (propane-1,3-diamine-forming) (1.5.3.15)
- 105/03016 . . Spermine oxidase (1.5.3.16)
- 105/03017 . . Non-specific polyamine oxidase (1.5.3.17)
- 105/03018 . . L-Saccharopine oxidase (1.5.3.18)
- 105/03019 . . 4-Methylaminobutanoate oxidase (formaldehyde-forming) (1.5.3.19)
- 105/0302 . . N-Alkylglycine oxidase (1.5.3.20)
- 105/03021 . . 4-Methylaminobutanoate oxidase (methylamine-forming) (1.5.3.21)
- 105/04 . with a disulfide as acceptor (1.5.4)
- 105/04001 . . Pyrimidodiazepine synthase (1.5.4.1)
- 105/05 . with a quinone or similar compound as acceptor (1.5.5)
- 105/05001 . . Electron-transferring-flavoprotein dehydrogenase (1.5.5.1)
- 105/07 . with an iron-sulfur protein as acceptor (1.5.7)
- 105/07001 . . Methylene-tetrahydrofolate reductase (ferredoxin) (1.5.7.1)
- 105/08 . with a flavin as acceptor (1.5.8)
- 105/08001 . . Dimethylamine dehydrogenase (1.5.8.1)
- 105/08002 . . Trimethylamine dehydrogenase (1.5.8.2)
- 105/08003 . . Sarcosine dehydrogenase (1.5.8.3)
- 105/08004 . . Dimethylglycine dehydrogenase (1.5.8.4)
- 105/99 . with other acceptors (1.5.99)
- 105/99003 . . L-Pipecolate dehydrogenase (1.5.99.3)
- 105/99004 . . Nicotine dehydrogenase (1.5.99.4)
- 105/99005 . . Methylglutamate dehydrogenase (1.5.99.5)
- 105/99006 . . Spermidine dehydrogenase (1.5.99.6)
- 105/99008 . . Proline dehydrogenase (1.5.99.8)
- 105/99009 . . Methylene-tetrahydromethanopterin dehydrogenase (1.5.99.9)
- 105/99011 . . 5,10-Methylene-tetrahydromethanopterin reductase (1.5.99.11)
- 105/99012 . . Cytokinin dehydrogenase (1.5.99.12)
- 105/99013 . . D-Proline dehydrogenase (1.5.99.13)
- 105/99014 . . 6-Hydroxypseudoxyxynicotine dehydrogenase (1.5.99.14)

- 106/00 Oxidoreductases acting on NADH or NADPH (1.6)**
- 106/01 . with NAD⁺ or NADP⁺ as acceptor (1.6.1)

- 106/01001 . . NAD(P)+ transhydrogenase (B-specific) (1.6.1.1)
 106/01002 . . NAD(P)+ Transhydrogenase (AB-specific) (1.6.1.2)
 106/02 . . with a heme protein as acceptor (1.6.2)
 106/02002 . . Cytochrome-b5 reductase (1.6.2.2)
 106/02004 . . NADPH-hemoprotein reductase (1.6.2.4), i.e. NADP-cytochrome P450-reductase
 106/02005 . . NADPH--cytochrome-c2 reductase (1.6.2.5)
 106/02006 . . Leghemoglobin reductase (1.6.2.6)
 106/03 . . with oxygen as acceptor (1.6.3)
 106/03001 . . NAD(P)H oxidase (1.6.3.1), i.e. NOX1
 106/05 . . with a quinone or similar compound as acceptor (1.6.5)
 106/05002 . . NAD(P)H dehydrogenase (quinone) (1.6.5.2)
 106/05003 . . NADH dehydrogenase (ubiquinone) (1.6.5.3)
 106/05004 . . Monodehydroascorbate reductase (NADH) (1.6.5.4)
 106/05005 . . NADPH:quinone reductase (1.6.5.5)
 106/05006 . . p-Benzoquinone reductase (NADPH) (1.6.5.6)
 106/05007 . . 2-Hydroxy-1,4-benzoquinone reductase (1.6.5.7)
 106/05008 . . NADH:ubiquinone reductase (Na+-transporting) (1.6.5.8)
 106/05009 . . NADH:ubiquinone reductase (non-electrogenic) (1.6.5.9)
 106/0501 . . NADPH dehydrogenase (quinone) (1.6.5.10)
 106/06 . . with a nitrogenous group as acceptor (1.6.6)
 106/06009 . . Trimethylamine-N-oxide reductase (1.6.6.9)
 106/99 . . with other acceptors (1.6.99)
 106/99001 . . NADPH dehydrogenase (1.6.99.1)
 106/99003 . . NADH dehydrogenase (1.6.99.3)
 106/99005 . . NADH dehydrogenase (quinone) (1.6.99.5)
- 107/00 Oxidoreductases acting on other nitrogenous compounds as donors (1.7)**
 107/01 . . with NAD+ or NADP+ as acceptor (1.7.1)
 107/01001 . . Nitrate reductase (NADH) (1.7.1.1)
 107/01002 . . Nitrate reductase [NAD(P)H] (1.7.1.2)
 107/01003 . . Nitrate reductase (NADPH) (1.7.1.3)
 107/01004 . . Nitrite reductase [NAD(P)H] (1.7.1.4)
 107/01005 . . Hyponitrite reductase (1.7.1.5)
 107/01006 . . Azobenzene reductase (1.7.1.6)
 107/01007 . . GMP reductase (1.7.1.7)
 107/01009 . . Nitroquinoline-N-oxide reductase (1.7.1.9)
 107/0101 . . Hydroxylamine reductase (NADH) (1.7.1.10)
 107/01011 . . 4-(Dimethylamino)phenylazoxybenzene reductase (1.7.1.11)
 107/01012 . . N-Hydroxy-2-acetamidofluorene reductase (1.7.1.12)
 107/01013 . . PreQ1 synthase (1.7.1.13)
 107/01014 . . Nitric oxide reductase (NAD(P), nitrous oxide-forming) (1.7.1.14)
 107/02 . . with a cytochrome as acceptor (1.7.2)
 107/02001 . . Nitrite reductase (NO-forming) (1.7.2.1)
 107/02002 . . Nitrite reductase (cytochrome; ammonia-forming) (1.7.2.2)
 107/02003 . . Trimethylamine-N-oxide reductase (cytochrome c) (1.7.2.3)
 107/02004 . . Nitrous-oxide reductase (1.7.2.4)
 107/02005 . . Nitric-oxide reductase (cytochrome c) (1.7.2.5)
 107/02006 . . Hydroxylamine dehydrogenase (1.7.2.6)
 107/03 . . with oxygen as acceptor (1.7.3)
 107/03001 . . Nitroalkane oxidase (1.7.3.1)
 107/03002 . . Acetyloxidoxyl oxidase (1.7.3.2)
 107/03003 . . Factor-independent urate hydroxylase (1.7.3.3), i.e. uricase
 107/03004 . . Hydroxylamine oxidase (1.7.3.4)
 107/03005 . . 3-Aci-nitropropanoate oxidase (1.7.3.5)
 107/05 . . with a quinone or similar compound as acceptor (1.7.5)
 107/05001 . . Nitrate reductase (quinone) (1.7.5.1)
 107/05002 . . Nitric oxide reductase (menaquinol) (1.7.5.2)
 107/06 . . with a nitrogenous group as acceptor (1.7.6)
 107/06001 . . Nitrite dismutase (1.7.6.1)
 107/07 . . with an iron-sulfur protein as acceptor (1.7.7)
 107/07001 . . Ferredoxin--nitrite reductase (1.7.7.1)
 107/07002 . . Ferredoxin--nitrate reductase (1.7.7.2)
 107/99 . . with other acceptors (1.7.99)
 107/99001 . . Hydroxylamine reductase (1.7.99.1)
 107/99004 . . Nitrate reductase (1.7.99.4)
 107/99008 . . Hydrazine oxidoreductase (1.7.99.8)
- 108/00 Oxidoreductases acting on sulfur groups as donors (1.8)**
 108/01 . . with NAD+ or NADP+ as acceptor (1.8.1)
 108/01002 . . Sulfite reductase (NADPH) (1.8.1.2)
 108/01003 . . Hypotaurine dehydrogenase (1.8.1.3)
 108/01004 . . Dihydrolipoyl dehydrogenase (1.8.1.4), i.e. lipoamide-dehydrogenase
 108/01005 . . 2-Oxopropyl-CoM reductase (carboxylating) (1.8.1.5)
 108/01006 . . Cystine reductase (1.8.1.6)
 108/01007 . . Glutathione-disulfide reductase (1.8.1.7), i.e. glutathione reductase (NADPH)
 108/01008 . . Protein-disulfide reductase (1.8.1.8), i.e. thioredoxin
 108/01009 . . Thioredoxin-disulfide reductase (1.8.1.9), i.e. thioredoxin-reductase
 108/0101 . . CoA-glutathione reductase (NADPH) (1.8.1.10)
 108/01011 . . Asparaginate reductase (1.8.1.11)
 108/01012 . . Trypanothione reductase (1.8.1.12)
 108/01013 . . Bis-gamma-glutamylcystine reductase (1.8.1.13)
 108/01014 . . CoA-disulfide reductase (1.8.1.14)
 108/01015 . . Mycothione reductase (1.8.1.15)
 108/01016 . . Glutathione amide reductase (1.8.1.16)
 108/01017 . . Dimethylsulfone reductase (1.8.1.17)
 108/02 . . with a cytochrome as acceptor (1.8.2)
 108/02001 . . Sulfite dehydrogenase (1.8.2.1)
 108/02002 . . Thiosulfate dehydrogenase (1.8.2.2)
 108/02003 . . Sulfide-cytochrome-c reductase (flavocytochrome c) (1.8.2.3)
 108/02004 . . Dimethyl sulfide:cytochrome c2 reductase (1.8.2.4)
 108/03 . . with oxygen as acceptor (1.8.3)
 108/03001 . . Sulfite oxidase (1.8.3.1)
 108/03002 . . Thiol oxidase (1.8.3.2)
 108/03003 . . Glutathione oxidase (1.8.3.3)
 108/03004 . . Methanethiol oxidase (1.8.3.4)
 108/03005 . . Prenylcysteine oxidase (1.8.3.5)
 108/03006 . . Farnesylcysteine lyase (1.8.3.6)
 108/04 . . with a disulfide as acceptor (1.8.4)
 108/04001 . . Glutathione--homocystine transhydrogenase (1.8.4.1)
 108/04002 . . Protein-disulfide reductase (glutathione) (1.8.4.2), i.e. BdbC or BdbD
 108/04003 . . Glutathione--CoA-glutathione transhydrogenase (1.8.4.3)

- 108/04004 . . Glutathione--cystine transhydrogenase (1.8.4.4)
- 108/04005 . . Methionine-S-oxide reductase (1.8.4.5)
([C12Y 108/04013](#), [C12Y 108/04014](#) take precedence)
- 108/04007 . . Enzyme-thiol transhydrogenase (glutathione-disulfide) (1.8.4.7)
- 108/04008 . . Phosphoadenylyl-sulfate reductase (thioredoxin) (1.8.4.8)
- 108/04009 . . Adenylyl-sulfate reductase (glutathione) (1.8.4.9)
- 108/0401 . . Adenylyl-sulfate reductase (thioredoxin) (1.8.4.10)
- 108/04011 . . Peptide-methionine (S)-S-oxide reductase (1.8.4.11)
- 108/04012 . . Peptide-methionine (R)-S-oxide reductase (1.8.4.12)
- 108/04013 . . L-Methionine (S)-S-oxide reductase (1.8.4.13)
- 108/04014 . . L-Methionine (R)-S-oxide reductase (1.8.4.14)
- 108/05 . with a quinone or similar compound as acceptor (1.8.5)
- 108/05001 . . Glutathione dehydrogenase (ascorbate) (1.8.5.1)
- 108/05002 . . Thiosulfate dehydrogenase (quinone) (1.8.5.2)
- 108/05003 . . Dimethylsulfoxide reductase (1.8.5.3)
- 108/05004 . . Sulfide:quinone reductase (1.8.5.4)
- 108/07 . with an iron-sulfur protein as acceptor (1.8.7)
- 108/07001 . . Sulfite reductase (ferredoxin) (1.8.7.1)
- 108/07002 . . Ferredoxin:thioredoxin reductase (1.8.7.2)
- 108/98 . with other, known, acceptors (1.8.98)
- 108/98001 . . CoB--CoM heterodisulfide reductase (1.8.98.1)
- 108/98002 . . Sulfiredoxin (1.8.98.2)
- 108/99 . with other acceptors (1.8.99)
- 108/99001 . . Sulfite reductase (1.8.99.1)
- 108/99002 . . Adenylyl-sulfate reductase (1.8.99.2)
- 108/99003 . . Hydrogensulfite reductase (1.8.99.3)
- 109/00 Oxidoreductases acting on a heme group of donors (1.9)**
- 109/03 . with oxygen as acceptor (1.9.3)
- 109/03001 . . Cytochrome-c oxidase (1.9.3.1)
- 109/06 . with a nitrogenous group as acceptor (1.9.6)
- 109/06001 . . Nitrate reductase (cytochrome) (1.9.6.1)
- 109/99 . with other acceptors (1.9.99)
- 109/99001 . . Iron--cytochrome-c reductase (1.9.99.1)
- 110/00 Oxidoreductases acting on diphenols and related substances as donors (1.10)**
- 110/01 . with NAD⁺ or NADP⁺ as acceptor (1.10.1)
- 110/01001 . . Trans-acenaphthene-1,2-diol dehydrogenase (1.10.1.1)
- 110/02 . with a cytochrome as acceptor (1.10.2)
- 110/02001 . . L-Ascorbate--cytochrome-b5 reductase (1.10.2.1)
- 110/02002 . . Ubiquinol-cytochrome-c reductase (1.10.2.2), i.e. electron-transport-complex-III
- 110/03 . with an oxygen as acceptor (1.10.3)
- 110/03001 . . Catechol oxidase (1.10.3.1), i.e. tyrosinase
- 110/03002 . . Laccase (1.10.3.2)
- 110/03003 . . L-ascorbate oxidase (1.10.3.3)
- 110/03004 . . O-aminophenol oxidase (1.10.3.4)
- 110/03005 . . 3-Hydroxyanthranilate oxidase (1.10.3.5)
- 110/03006 . . Rifamycin-B oxidase (1.10.3.6)
- 110/03009 . . Photosystem II (1.10.3.9)
- 110/0301 . . Ubiquinol oxidase (H⁺-transporting) (1.10.3.10)
- 110/03011 . . Ubiquinol oxidase (1.10.3.11)
- 110/03012 . . Menaquinol oxidase (H⁺-transporting) (1.10.3.12)
- 110/09 . with a copper protein as acceptor (1.10.9)
- 110/09001 . . Plastoquinol-plastocyanin reductase (1.10.9.1)
- 110/99 . with other acceptors (1.10.99)
- 110/99002 . . Ribosyldihydronicotinamide dehydrogenase (quinone) (1.10.99.2)
- 110/99003 . . Violaxanthin de-epoxidase (1.10.99.3)
- 111/00 Oxidoreductases acting on a peroxide as acceptor (1.11)**
- 111/01 . Peroxidases (1.11.1)
- 111/01001 . . NADH peroxidase (1.11.1.1)
- 111/01002 . . NADPH peroxidase (1.11.1.2)
- 111/01003 . . Fatty-acid peroxidase (1.11.1.3)
- 111/01005 . . Cytochrome-c peroxidase (1.11.1.5)
- 111/01006 . . Catalase (1.11.1.6)
- 111/01007 . . Peroxidase (1.11.1.7), i.e. horseradish-peroxidase
- 111/01008 . . Iodide peroxidase (1.11.1.8)
- 111/01009 . . Glutathione peroxidase (1.11.1.9)
- 111/0101 . . Chloride peroxidase (1.11.1.10)
- 111/01011 . . L-ascorbate peroxidase (1.11.1.11)
- 111/01012 . . Phospholipid-hydroperoxide glutathione peroxidase (1.11.1.12)
- 111/01013 . . Manganese peroxidase (1.11.1.13)
- 111/01014 . . Lignin peroxidase (1.11.1.14)
- 111/01015 . . Peroxiredoxin (1.11.1.15)
- 111/01016 . . Versatile peroxidase (1.11.1.16)
- 111/01017 . . Glutathione amide-dependent peroxidase (1.11.1.17)
- 111/01018 . . Bromide peroxidase (1.11.1.18)
- 111/01019 . . Dye decolorizing peroxidase (1.11.1.19)
- 111/0102 . . Prostamide/prostaglandin F₂-alpha synthase (1.11.1.20)
- 111/01021 . . Catalase-peroxidase (1.11.1.21)
- 111/01802 . . Chloride peroxidase (vanadium-containing) (1.11.1.B2)
- 111/01806 . . Iodide peroxidase (vanadium-containing) (1.11.1.B6)
- 111/01807 . . Bromide peroxidase (heme-containing) (1.11.1.B7)
- 111/01808 . . Bromide peroxidase (metal-containing) (1.11.1.B8)
- 111/02 . with H₂O₂ as acceptor, one oxygen atom of which is incorporated into the product (1.11.2)
- 111/02001 . . Unspecific peroxygenase (1.11.2.1)
- 111/02002 . . Myeloperoxidase (1.11.2.2)
- 111/02003 . . Plant seed peroxygenase (1.11.2.3)
- 111/02004 . . Fatty-acid peroxygenase (1.11.2.4)
- 112/00 Oxidoreductases acting on hydrogen as donor (1.12)**
- 112/01 . with NAD⁺ or NADP⁺ as acceptor (1.12.1)
- 112/01002 . . Hydrogen dehydrogenase (1.12.1.2)
- 112/01003 . . Hydrogen dehydrogenase (NADP⁺) (1.12.1.3)
- 112/01004 . . Hydrogenase (NAD⁺, ferredoxin)(1.12.1.4)
- 112/02 . with a cytochrome as acceptor (1.12.2)
- 112/02001 . . Cytochrome-c3 hydrogenase (1.12.2.1)
- 112/05 . with a quinone or similar compound as acceptor (1.12.5)
- 112/05001 . . Hydrogen:quinone oxidoreductase (1.12.5.1)
- 112/07 . with an iron-sulfur protein as acceptor (1.12.7)
- 112/07002 . . Ferredoxin hydrogenase (1.12.7.2)

- 112/98 . with other, known, acceptors (1.12.98)
- 112/98001 . . Coenzyme F420 hydrogenase (1.12.98.1)
- 112/98002 . . 5,10-Methenyltetrahydromethanopterin hydrogenase (1.12.98.2)
- 112/98003 . . Methanosarcina-phenazine hydrogenase (1.12.98.3)
- 112/99 . with other acceptors (1.12.99)
- 112/99006 . . Hydrogenase (acceptor) (1.12.99.6)
- 113/00 Oxidoreductases acting on single donors with incorporation of molecular oxygen (oxygenases) (1.13)**
- 113/11 . with incorporation of two atoms of oxygen (1.13.11)
- 113/11001 . . Catechol 1,2-dioxygenase (1.13.11.1)
- 113/11002 . . Catechol 2,3-dioxygenase (1.13.11.2)
- 113/11003 . . Protocatechuate 3,4-dioxygenase (1.13.11.3)
- 113/11004 . . Gentisate 1,2-dioxygenase (1.13.11.4)
- 113/11005 . . Homogentisate 1,2-dioxygenase (1.13.11.5)
- 113/11006 . . 3-Hydroxyanthranilate 3,4-dioxygenase (1.13.11.6)
- 113/11008 . . Protocatechuate 4,5-dioxygenase (1.13.11.8)
- 113/11009 . . 2,5-Dihydroxypyridine 5,6-dioxygenase (1.13.11.9)
- 113/1101 . . 7,8-Dihydroxykynurenate 8,8a-dioxygenase (1.13.11.10)
- 113/11011 . . Tryptophan 2,3-dioxygenase (1.13.11.11), i.e. indolamine 2,3-dioxygenase 2
- 113/11012 . . Linoleate 13S-lipoxygenase (1.13.11.12)
- 113/11014 . . 2,3-Dihydroxybenzoate 3,4-dioxygenase (1.13.11.14)
- 113/11015 . . 3,4-Dihydroxyphenylacetate 2,3-dioxygenase (1.13.11.15)
- 113/11016 . . 3-Carboxyethylcatechol 2,3-dioxygenase (1.13.11.16)
- 113/11017 . . Indole 2,3-dioxygenase (1.13.11.17)
- 113/11018 . . Sulfur dioxygenase (1.13.11.18)
- 113/11019 . . Cysteamine dioxygenase (1.13.11.19)
- 113/1102 . . Cysteine dioxygenase (1.13.11.20)
- 113/11022 . . Caffeate 3,4-dioxygenase (1.13.11.22)
- 113/11023 . . 2,3-Dihydroxyindole 2,3-dioxygenase (1.13.11.23)
- 113/11024 . . Quercetin 2,3-dioxygenase (1.13.11.24)
- 113/11025 . . 3,4-Dihydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione 4,5-dioxygenase (1.13.11.25)
- 113/11026 . . Peptide-tryptophan 2,3-dioxygenase (1.13.11.26)
- 113/11027 . . 4-Hydroxyphenylpyruvate dioxygenase (1.13.11.27)
- 113/11028 . . 2,3-Dihydroxybenzoate 2,3-dioxygenase (1.13.11.28)
- 113/11029 . . Stizolobate synthase (1.13.11.29)
- 113/1103 . . Stizolobinate synthase (1.13.11.30)
- 113/11031 . . Arachidonate 12-lipoxygenase (1.13.11.31), i.e. lipoxygenase-type-12
- 113/11033 . . Arachidonate 15-lipoxygenase (1.13.11.33)
- 113/11034 . . Arachidonate 5-lipoxygenase (1.13.11.34)
- 113/11035 . . Pyrogallol 1,2-oxygenase (1.13.11.35)
- 113/11036 . . Chloridazon-catechol dioxygenase (1.13.11.36)
- 113/11037 . . Hydroxyquinol 1,2-dioxygenase (1.13.11.37)
- 113/11038 . . 1-Hydroxy-2-naphthoate 1,2-dioxygenase (1.13.11.38)
- 113/11039 . . Biphenyl-2,3-diol 1,2-dioxygenase (1.13.11.39)
- 113/1104 . . Arachidonate 8-lipoxygenase (1.13.11.40)
- 113/11041 . . 2,4'-Dihydroxyacetophenone dioxygenase (1.13.11.41)
- 113/11043 . . Lignostilbene alpha-beta-dioxygenase (1.13.11.43)
- 113/11044 . . Linoleate diol synthase (1.13.11.44)
([C12Y 113/1106](#), [C12Y 504/04006](#) take precedence)
- 113/11045 . . Linoleate 11-lipoxygenase (1.13.11.45)
- 113/11046 . . 4-Hydroxymandelate synthase (1.13.11.46)
- 113/11047 . . 3-Hydroxy-4-oxoquinoline 2,4-dioxygenase (1.13.11.47)
- 113/11048 . . 3-Hydroxy-2-methylquinolin-4-one 2,4-dioxygenase (1.13.11.48)
- 113/11049 . . Chlorite O₂-lyase (1.13.11.49)
- 113/1105 . . Acetylacetone-cleaving enzyme (1.13.11.50)
- 113/11051 . . 9-Cis-epoxycarotenoid dioxygenase (1.13.11.51)
- 113/11052 . . Indoleamine 2,3-dioxygenase (1.13.11.52), i.e. indoleamine 2,3-dioxygenase 1
- 113/11053 . . Acireductone dioxygenase (Ni²⁺-requiring) (1.13.11.53)
- 113/11054 . . Acireductone dioxygenase (Fe(2+)-requiring) (1.13.11.54)
- 113/11055 . . Sulfur oxygenase/reductase (1.13.11.55)
- 113/11056 . . 1,2-Dihydroxynaphthalene dioxygenase (1.13.11.56)
- 113/11057 . . Gallate dioxygenase (1.13.11.57)
- 113/11058 . . Linoleate 9S-lipoxygenase (1.13.11.58)
- 113/11059 . . Torulene dioxygenase (1.13.11.59)
- 113/1106 . . Linoleate 8R-lipoxygenase (1.13.11.60)
- 113/11061 . . Linoleate 9R-lipoxygenase (1.13.11.61)
- 113/11062 . . Linoleate 10R-lipoxygenase (1.13.11.62)
- 113/11063 . . Beta-carotene 15,15'-dioxygenase (1.13.11.63)
- 113/11064 . . 5-Nitrosalicylate dioxygenase (1.13.11.64)
- 113/11065 . . Carotenoid isomeroxygenase (1.13.11.65)
- 113/11066 . . Hydroquinone 1,2-dioxygenase (1.13.11.66)
- 113/11067 . . 8'-Apo-beta-carotenoid 14',13'-cleaving dioxygenase (1.13.11.67)
- 113/11068 . . 9-Cis-beta-carotene 9',10'-cleaving dioxygenase (1.13.11.68)
- 113/11069 . . Carlactone synthase (1.13.11.69)
- 113/1107 . . All-trans-10'-apo-beta-carotenal 13,14-cleaving dioxygenase (1.13.11.70)
- 113/11071 . . Carotenoid-9',10'-cleaving dioxygenase (1.13.11.71)
- 113/11072 . . 2-Hydroxyethylphosphonate dioxygenase (1.13.11.72)
- 113/11073 . . Methylphosphonate synthase (1.13.11.73)
- 113/12 . with incorporation of one atom of oxygen (internal monooxygenases or internal mixed function oxidases)(1.13.12)
- 113/12001 . . Arginine 2-monooxygenase (1.13.12.1)
- 113/12002 . . Lysine 2-monooxygenase (1.13.12.2)
- 113/12003 . . Tryptophan 2-monooxygenase (1.13.12.3)
- 113/12004 . . Lactate 2-monooxygenase (1.13.12.4)
- 113/12005 . . Renilla-luciferin 2-monooxygenase (1.13.12.5), i.e. renilla-luciferase
- 113/12006 . . Cypridina-luciferin 2-monooxygenase (1.13.12.6), i.e. cypridina-luciferase
- 113/12007 . . Photinus-luciferin 4-monooxygenase (ATP-hydrolysing) (1.13.12.7), i.e. firefly-luciferase
- 113/12008 . . Watasenia-luciferin 2-monooxygenase (1.13.12.8)
- 113/12009 . . Phenylalanine 2-monooxygenase (1.13.12.9)

- 113/12013 . . Oplophorus-luciferin 2-monooxygenase (1.13.12.13)
- 113/12015 . . 3,4-Dihydroxyphenylalanine oxidative deaminase (1.13.12.15)
- 113/12016 . . Nitronate monooxygenase (1.13.12.16)
- 113/12017 . . Dichloroarcyriaflavin A synthase (1.13.12.17)
- 113/12018 . . Dinoflagellate luciferase (1.13.12.18)
- 113/12019 . . 2-Oxoglutarate dioxygenase (ethylene-forming) (1.13.12.19)
- 113/99 . . Miscellaneous (1.13.99)
- 113/99001 . . Inositol oxygenase (1.13.99.1), i.e. myo-inositol oxygenase
- 113/99003 . . Tryptophan 2'-dioxygenase (1.13.99.3), i.e. indole-3-alkane-alpha-hydroxylase
- 114/00 Oxidoreductases acting on paired donors, with incorporation or reduction of molecular oxygen (1.14)**
- 114/11 . . with 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors (1.14.11)
- 114/11001 . . Gamma-butyrobetaine dioxygenase (1.14.11.1)
- 114/11002 . . Procollagen-proline dioxygenase (1.14.11.2), i.e. proline-hydroxylase
- 114/11003 . . Pyrimidine-deoxynucleoside 2'-dioxygenase (1.14.11.3)
- 114/11004 . . Procollagen-lysine 5-dioxygenase (1.14.11.4), i.e. lysine-hydroxylase
- 114/11006 . . Thymine dioxygenase (1.14.11.6)
- 114/11007 . . Procollagen-proline 3-dioxygenase (1.14.11.7)
- 114/11008 . . Trimethyllysine dioxygenase (1.14.11.8)
- 114/11009 . . Flavanone 3-dioxygenase (1.14.11.9), i.e. naringenin-3-dioxygenase
- 114/1101 . . Pyrimidine-deoxynucleoside 1'-dioxygenase (1.14.11.10)
- 114/11011 . . Hyoscyamine (6S)-dioxygenase (1.14.11.11)
- 114/11012 . . Gibberellin-44 dioxygenase (1.14.11.12)
- 114/11013 . . Gibberellin 2-beta-dioxygenase (1.14.11.13)
- 114/11014 . . 6-Beta-hydroxyhyoscyamine epoxidase (1.14.11.14)
- 114/11015 . . Gibberellin 3-beta-dioxygenase (1.14.11.15)
- 114/11016 . . Peptide-aspartate beta-dioxygenase (1.14.11.16), i.e. aspartyl (asparaginy) beta-hydroxylase
- 114/11017 . . Taurine dioxygenase (1.14.11.17)
- 114/11018 . . Phytanoyl-CoA dioxygenase (1.14.11.18)
- 114/11019 . . Leucocyanidin oxygenase (1.14.11.19)
- 114/1102 . . Deacetoxyvindoline 4-hydroxylase (1.14.11.20)
- 114/11021 . . Clavaminate synthase (1.14.11.21)
- 114/11022 . . Flavone synthase (1.14.11.22)
- 114/11023 . . Flavonol synthase (1.14.11.23)
- 114/11024 . . 2'-Deoxymugineic-acid 2'-dioxygenase (1.14.11.24)
- 114/11025 . . Mugineic-acid 3-dioxygenase (1.14.11.25)
- 114/11026 . . Deacetoxycephalosporin-C hydroxylase (1.14.11.26)
- 114/11027 . . [Histone H3]-lysine-36 demethylase (1.14.11.27)
- 114/11028 . . Proline 3-hydroxylase (1.14.11.28)
- 114/11029 . . Hypoxia-inducible factor-proline dioxygenase (1.14.11.29)
- 114/1103 . . Hypoxia-inducible factor-asparagine dioxygenase (1.14.11.30)
- 114/11031 . . Thebaine 6-O-demethylase (1.14.11.31)
- 114/11032 . . Codeine 3-O-demethylase (1.14.11.32)
- 114/11033 . . DNA oxidative demethylase (1.14.11.33)
- 114/11034 . . 2-Oxoglutarate/L-arginine monooxygenase/decarboxylase (succinate-forming) (1.14.11.34)
- 114/11035 . . 1-Deoxypentalenic acid 11beta-hydroxylase (1.14.11.35)
- 114/11036 . . Pentalenolactone F synthase (1.14.11.36)
- 114/12 . . with NADH or NADPH as one donor, and incorporation of two atoms of oxygen into one donor (1.14.12)
- 114/12001 . . Anthranilate 1,2-dioxygenase (deaminating, decarboxylating)(1.14.12.1)
- 114/12003 . . Benzene 1,2-dioxygenase (1.14.12.3)
- 114/12004 . . 3-Hydroxy-2-methylpyridinecarboxylate dioxygenase (1.14.12.4)
- 114/12005 . . 5-Pyridoxate dioxygenase (1.14.12.5)
- 114/12007 . . Phthalate 4,5-dioxygenase (1.14.12.7)
- 114/12008 . . 4-Sulfobenzoate 3,4-dioxygenase (1.14.12.8)
- 114/12009 . . 4-Chlorophenylacetate 3,4-dioxygenase (1.14.12.9)
- 114/1201 . . Benzoate 1,2-dioxygenase (1.14.12.10)
- 114/12011 . . Toluene dioxygenase (1.14.12.11)
- 114/12012 . . Naphthalene 1,2-dioxygenase (1.14.12.12)
- 114/12013 . . 2-Halobenzoate 1,2-dioxygenase (1.14.12.13)
- 114/12014 . . 2-Aminobenzenesulfonate 2,3-dioxygenase (1.14.12.14)
- 114/12015 . . Terephthalate 1,2-dioxygenase (1.14.12.15)
- 114/12016 . . 2-Hydroxyquinoline 5,6-dioxygenase (1.14.12.16)
- 114/12017 . . Nitric oxide dioxygenase (1.14.12.17)
- 114/12018 . . Biphenyl 2,3-dioxygenase (1.14.12.18)
- 114/12019 . . 3-Phenylpropanoate dioxygenase (1.14.12.19)
- 114/1202 . . Pheophorbide a oxygenase (1.14.12.20)
- 114/12021 . . Benzoyl-CoA 2,3-dioxygenase (1.14.12.21)
- 114/12022 . . Carbazole 1,9a-dioxygenase (1.14.12.22)
- 114/13 . . with NADH or NADPH as one donor, and incorporation of one atom of oxygen (1.14.13)
- 114/13001 . . Salicylate 1-monooxygenase (1.14.13.1)
- 114/13002 . . 4-Hydroxybenzoate 3-monooxygenase (1.14.13.2)
- 114/13004 . . Melilotate 3-monooxygenase (1.14.13.4)
- 114/13005 . . Imidazoleacetate 4-monooxygenase (1.14.13.5)
- 114/13006 . . Orcinol 2-monooxygenase (1.14.13.6)
- 114/13007 . . Phenol 2-monooxygenase (1.14.13.7)
- 114/13008 . . Flavin-containing monooxygenase (1.14.13.8), i.e. dimethylaniline-monooxygenase
- 114/13009 . . Kynurenine 3-monooxygenase (1.14.13.9)
- 114/1301 . . 2,6-Dihydropyridine 3-monooxygenase (1.14.13.10)
- 114/13011 . . Trans-cinnamate 4-monooxygenase (1.14.13.11)
- 114/13012 . . Benzoate 4-monooxygenase (1.14.13.12)
- 114/13013 . . Calcdiol 1-monooxygenase (1.14.13.13), i.e. 25-hydroxyvitamin D-1-alpha-hydroxylase
- 114/13014 . . Trans-cinnamate 2-monooxygenase (1.14.13.14)
- 114/13015 . . Cholestanetriol 26-monooxygenase (1.14.13.15)
- 114/13016 . . Cyclopentanone monooxygenase (1.14.13.16)
- 114/13017 . . Cholesterol 7-alpha-monooxygenase (1.14.13.17)
- 114/13018 . . 4-Hydroxyphenylacetate 1-monooxygenase (1.14.13.18)
- 114/13019 . . Taxifolin 8-monooxygenase (1.14.13.19)
- 114/1302 . . 2,4-Dichlorophenol 6-monooxygenase (1.14.13.20)
- 114/13021 . . Flavonoid 3'-monooxygenase (1.14.13.21)
- 114/13022 . . Cyclohexanone monooxygenase (1.14.13.22)

114/13023	. . 3-Hydroxybenzoate 4-monooxygenase (1.14.13.23)	114/13069	. . Alkene monooxygenase (1.14.13.69)
114/13024	. . 3-Hydroxybenzoate 6-monooxygenase (1.14.13.24)	114/1307	. . Sterol 14-demethylase (1.14.13.70)
114/13025	. . Methane monooxygenase (1.14.13.25)	114/13071	. . N-Methylcoclaurine 3'-monooxygenase (1.14.13.71)
114/13026	. . Phosphatidylcholine 12-monooxygenase (1.14.13.26)	114/13072	. . Methylsterol monooxygenase (1.14.13.72)
114/13027	. . 4-Aminobenzoate 1-monooxygenase (1.14.13.27)	114/13073	. . Tabersonine 16-hydroxylase (1.14.13.73)
114/13028	. . 3,9-Dihydroxypterocarpan 6A-monooxygenase (1.14.13.28)	114/13074	. . 7-Deoxyloganin 7-hydroxylase (1.14.13.74)
114/13029	. . 4-Nitrophenol 2-monooxygenase (1.14.13.29)	114/13075	. . Vinorine hydroxylase (1.14.13.75)
114/1303	. . Leukotriene-B4 20-monooxygenase (1.14.13.30), i.e. leukotriene-B4-omega-hydroxylase	114/13076	. . Taxane 10-beta-hydroxylase (1.14.13.76)
114/13031	. . 2-Nitrophenol 2-monooxygenase (1.14.13.31)	114/13077	. . Taxane 13-alpha-hydroxylase (1.14.13.77)
114/13032	. . Albendazole monooxygenase (1.14.13.32)	114/13078	. . Ent-kaurene oxidase (1.14.13.78)
114/13033	. . 4-Hydroxybenzoate 3-monooxygenase (NAD(P)H)(1.14.13.33)	114/13079	. . Ent-kaurenoic acid oxidase (1.14.13.79)
114/13034	. . Leukotriene-E4 20-monooxygenase (1.14.13.34)	114/1308	. . (R)-Limonene 6-monooxygenase (1.14.13.80)
114/13035	. . Anthranilate 3-monooxygenase (deaminating) (1.14.13.35)	114/13081	. . Magnesium-protoporphyrin IX monomethyl ester (oxidative) cyclase (1.14.13.81)
114/13036	. . 5-O-(4-Coumaroyl)-D-quinic acid 3'-monooxygenase (1.14.13.36)	114/13082	. . Vanillate monooxygenase (1.14.13.82)
114/13037	. . Methyltetrahydroprotoberberine 14-monooxygenase (1.14.13.37)	114/13083	. . Precorrin-3B synthase (1.14.13.83)
114/13038	. . Anhydrotetracycline monooxygenase (1.14.13.38)	114/13084	. . 4-Hydroxyacetophenone monooxygenase (1.14.13.84)
114/13039	. . Nitric-oxide synthase (NADPH dependent) (1.14.13.39)	114/13085	. . Glyceollin synthase (1.14.13.85)
114/1304	. . Anthraniloyl-CoA monooxygenase (1.14.13.40)	114/13086	. . 2-Hydroxyisoflavanone synthase (1.14.13.86)
114/13041	. . Tyrosine N-monooxygenase (1.14.13.41)	114/13087	. . Licodione synthase (1.14.13.87)
114/13043	. . Questin monooxygenase (1.14.13.43)	114/13088	. . Flavonoid 3',5'-hydroxylase (1.14.13.88)
114/13044	. . 2-Hydroxybiphenyl 3-monooxygenase (1.14.13.44)	114/13089	. . Isoflavone 2'-hydroxylase (1.14.13.89)
114/13046	. . (-)-Menthol monooxygenase (1.14.13.46)	114/1309	. . Zeaxanthin epoxidase (1.14.13.90)
114/13047	. . (S)-Limonene 3-monooxygenase (1.14.13.47)	114/13091	. . Deoxysarpagine hydroxylase (1.14.13.91)
114/13048	. . (S)-Limonene 6-monooxygenase (1.14.13.48)	114/13092	. . Phenylacetone monooxygenase (1.14.13.92)
114/13049	. . (S)-Limonene 7-monooxygenase (1.14.13.49)	114/13093	. . (+)-Abscissic acid 8'-hydroxylase (1.14.13.93)
114/1305	. . Pentachlorophenol monooxygenase (1.14.13.50)	114/13094	. . Lithocholate 6-beta-hydroxylase (1.14.13.94)
114/13051	. . 6-Oxocineole dehydrogenase (1.14.13.51)	114/13095	. . 7-Alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase (1.14.13.95)
114/13052	. . Isoflavone 3'-hydroxylase (1.14.13.52)	114/13096	. . 5-Beta-cholestane-3-alpha,7-alpha-diol 12-alpha-hydroxylase (1.14.13.96)
114/13053	. . 4'-Methoxyisoflavone 2'-hydroxylase (1.14.13.53)	114/13097	. . Taurochenodeoxycholate 6-alpha-hydroxylase (1.14.13.97)
114/13054	. . Ketosteroid monooxygenase (1.14.13.54)	114/13098	. . Cholesterol 24-hydroxylase (1.14.13.98)
114/13055	. . Protopine 6-monooxygenase (1.14.13.55)	114/13099	. . 24-Hydroxycholesterol 7-alpha-hydroxylase (1.14.13.99)
114/13056	. . Dihydrosanguinarine 10-monooxygenase (1.14.13.56)	114/131	. . 25-Hydroxycholesterol 7-alpha-hydroxylase (1.14.13.100)
114/13057	. . Dihydrochelirubine 12-monooxygenase (1.14.13.57)	114/13101	. . Senecionine N-oxygenase (1.14.13.101)
114/13058	. . Benzoyl-CoA 3-monooxygenase (1.14.13.58)	114/13102	. . Psoralen synthase (1.14.13.102)
114/13059	. . L-Lysine N6-monooxygenase (NADPH) (1.14.13.59)	114/13103	. . 8-Dimethylallylnaringenin 2'-hydroxylase (1.14.13.103)
114/1306	. . 27-Hydroxycholesterol 7-alpha-monooxygenase (1.14.13.60)	114/13104	. . (+)-Menthofuran synthase (1.14.13.104)
114/13061	. . 2-Hydroxyquinoline 8-monooxygenase (1.14.13.61)	114/13105	. . Monocyclic monoterpene ketone monooxygenase (1.14.13.105)
114/13062	. . 4-Hydroxyquinoline 3-monooxygenase (1.14.13.62)	114/13106	. . Epi-isozizaene 5-monooxygenase (1.14.13.106)
114/13063	. . 3-Hydroxyphenylacetate 6-hydroxylase (1.14.13.63)	114/13107	. . Limonene 1,2-monooxygenase (1.14.13.107)
114/13064	. . 4-Hydroxybenzoate 1-hydroxylase (1.14.13.64)	114/13108	. . Abieta-7,13-diene hydroxylase (1.14.13.108)
114/13066	. . 2-Hydroxycyclohexanone 2-monooxygenase (1.14.13.66)	114/13109	. . Abieta-7,13-dien-18-ol hydroxylase (1.14.13.109)
114/13067	. . Quinine 3-monooxygenase (1.14.13.67)	114/1311	. . Geranylgeraniol 18-hydroxylase (1.14.13.110)
114/13068	. . 4-Hydroxyphenylacetaldehyde oxime monooxygenase (1.14.13.68)	114/13111	. . Methanesulfonate monooxygenase (1.14.13.111)
		114/13112	. . 3-Epi-6-deoxocathasterone 23-monooxygenase (1.14.13.112)
		114/13113	. . FAD-dependent urate hydroxylase (1.14.13.113)
		114/13114	. . 6-Hydroxynicotinate 3-monooxygenase (1.14.13.114)
		114/13115	. . Angelicin synthase (1.14.13.115)
		114/13116	. . Geranylhydroquinone 3"-hydroxylase (1.14.13.116)
		114/13117	. . Isoleucine N-monooxygenase (1.14.13.117)

- 114/13118 . . Valine N-monooxygenase (1.14.13.118)
 114/13119 . . 5-Epiaristolochene 1,3-dihydroxylase (1.14.13.119)
 114/1312 . . Costunolide synthase (1.14.13.120)
 114/13121 . . Premnaspirodienene oxygenase (1.14.13.121)
 114/13122 . . Chlorophyllide-a oxygenase (1.14.13.122)
 114/13123 . . Germacrene A hydroxylase (1.14.13.123)
 114/13124 . . Phenylalanine N-monooxygenase (1.14.13.124)
 114/13125 . . Tryptophan N-monooxygenase (1.14.13.125)
 114/13126 . . Vitamin D3 24-hydroxylase (1.14.13.126)
 114/13127 . . 3-(3-Hydroxy-phenyl)propanoic acid hydroxylase (1.14.13.127)
 114/13128 . . 7-Methylxanthine demethylase (1.14.13.128)
 114/13129 . . Beta-carotene 3-hydroxylase (1.14.13.129)
 114/1313 . . Pyrrole-2-carboxylate monooxygenase (1.14.13.130)
 114/13131 . . Dimethyl-sulfide monooxygenase (1.14.13.131)
 114/13132 . . Squalene monooxygenase (1.14.13.132)
 114/13133 . . Pentalenene oxygenase (1.14.13.133)
 114/13134 . . Beta-amyrin 11-oxidase (1.14.13.134)
 114/13135 . . 1-Hydroxy-2-naphthoate hydroxylase (1.14.13.135)
 114/13136 . . Isoflavonoid synthase (1.14.13.136)
 114/13137 . . Indole-2-monooxygenase (1.14.13.137)
 114/13138 . . Indolin-2-one monooxygenase (1.14.13.138)
 114/13139 . . 3-Hydroxyindolin-2-one monooxygenase (1.14.13.139)
 114/1314 . . 2-Hydroxy-1,4-benzoxazin-3-one monooxygenase (1.14.13.140)
 114/13141 . . Cholest-4-en-3-one 26-monooxygenase (1.14.13.141)
 114/13142 . . 3-Ketosteroid 9alpha-monooxygenase (1.14.13.142)
 114/13143 . . Ent-isokaurene C2-hydroxylase (1.14.13.143)
 114/13144 . . 9Beta-pimara-7,15-diene oxidase (1.14.13.144)
 114/13145 . . Ent-cassa-12,15-diene 11-hydroxylase (1.14.13.145)
 114/13146 . . Taxoid 14beta-hydroxylase (1.14.13.146)
 114/13147 . . Taxoid 7beta-hydroxylase (1.14.13.147)
 114/13148 . . Trimethylamine monooxygenase (1.14.13.148)
 114/13149 . . Phenylacetyl-CoA 1,2-epoxidase (1.14.13.149)
 114/1315 . . Alpha-humulene 10-hydroxylase (1.14.13.150)
 114/13151 . . Linalool 8-monooxygenase (1.14.13.151)
 114/13152 . . Geraniol 8-hydroxylase (1.14.13.152)
 114/13153 . . (+)-Sabinene 3-hydroxylase (1.14.13.153)
 114/13154 . . Erythromycin 12 hydroxylase (1.14.13.154)
 114/13155 . . Alpha-pinene monooxygenase (1.14.13.155)
 114/13156 . . 1,8-Cineole 2-endo-monooxygenase (1.14.13.156)
 114/13157 . . 1,8-Cineole 2-exo-monooxygenase (1.14.13.157)
 114/13158 . . Amorpha-4,11-diene 12-monooxygenase (1.14.13.158)
 114/13159 . . Vitamin D 25-hydroxylase (1.14.13.159)
 114/1316 . . (2,2,3-Trimethyl-5-oxocyclopent-3-enyl)acetyl-CoA 1,5-monooxygenase (1.14.13.160)
 114/13161 . . (+)-Camphor 6-exo-hydroxylase (1.14.13.161)
 114/13162 . . 2,5-Diketocamphane 1,2-monooxygenase (1.14.13.162), i.e. camphor 1,2-monooxygenase
 114/13163 . . 6-Hydroxy-3-succinoylpyridine 3-monooxygenase (1.14.13.163)
 114/13165 . . Nitric-oxide synthase [NAD(P)H-dependent] (1.14.13.165)
 114/13166 . . 4-Nitrocatechol 4-monooxygenase (1.14.13.166)
 114/13167 . . 4-Nitrophenol 4-monooxygenase (1.14.13.167)
 114/13168 . . Indole-3-pyruvate monooxygenase (1.14.13.168)
 114/13169 . . Sphinganine C4-monooxygenase (1.14.13.169)
 114/1317 . . Pentalenolactone D synthase (1.14.13.170)
 114/13171 . . Neopentalenolactone D synthase (1.14.13.171)
 114/1381 . . L-Ornithine N5-monooxygenase (1.14.13.B10)
 114/14 . . with reduced flavin or flavoprotein as one donor, and incorporation of one atom of oxygen (1.14.14)
 114/14001 . . Unspecific monooxygenase (1.14.14.1)
 114/14003 . . Alkanal monooxygenase FMN (1.14.14.3), i.e. bacterial-luciferase
 114/14005 . . Alkanesulfonate monooxygenase (1.14.14.5)
 114/14007 . . Tryptophan 7-halogenase (1.14.14.7)
 114/14008 . . Anthranilate 3-monooxygenase (FAD) (1.14.14.8)
 114/14009 . . 4-Hydroxyphenylacetate 3-monooxygenase (1.14.14.9)
 114/1401 . . Nitritotriacetate monooxygenase (1.14.14.10)
 114/14011 . . Styrene monooxygenase (1.14.14.11)
 114/14012 . . 3-Hydroxy-9,10-seconandrost-1,3,5(10)-triene-9,17-dione monooxygenase (1.14.14.12)
 114/14013 . . 4-(L-Gamma-glutamylamino)butanoyl-[BtrI acyl-carrier protein] monooxygenase (1.14.14.13)
 114/15 . . with reduced iron-sulfur protein as one donor, and incorporation of one atom of oxygen (1.14.15)
 114/15001 . . Camphor 5-monooxygenase (1.14.15.1)
 114/15003 . . Alkane 1-monooxygenase (1.14.15.3)
 114/15004 . . Steroid 11-beta-monooxygenase (1.14.15.4)
 114/15005 . . Corticosterone 18-monooxygenase (1.14.15.5)
 114/15006 . . Cholesterol monooxygenase (side-chain-cleaving) (1.14.15.6), i.e. cytochrome P450scs
 114/15007 . . Choline monooxygenase (1.14.15.7)
 114/15008 . . Steroid 15-beta-monooxygenase (1.14.15.8)
 114/15009 . . Spheroidene monooxygenase (1.14.15.9)
 114/1501 . . (+)-Camphor 6-endo-hydroxylase (1.14.15.10)
 114/15011 . . Pentalenic acid synthase (1.14.15.11)
 114/15802 . . Spheroidene monooxygenase (1.14.15.B2), i.e. acyclic carotenoid 2-ketolase
 114/16 . . with reduced pteridine as one donor, and incorporation of one atom of oxygen (1.14.16)
 114/16001 . . Phenylalanine 4-monooxygenase (1.14.16.1)
 114/16002 . . Tyrosine 3-monooxygenase (1.14.16.2)
 114/16003 . . Anthranilate 3-monooxygenase (1.14.16.3)
 114/16004 . . Tryptophan 5-monooxygenase (1.14.16.4)
 114/16005 . . Alkylglycerol monooxygenase (1.14.16.5)
 114/16006 . . Mandelate 4-monooxygenase (1.14.16.6)
 114/17 . . with reduced ascorbate as one donor, and incorporation of one atom of oxygen (1.14.17)
 114/17001 . . Dopamine beta-monooxygenase (1.14.17.1)
 114/17003 . . Peptidylglycine monooxygenase (1.14.17.3)
 114/17004 . . Aminocyclopropanecarboxylate oxidase (1.14.17.4), i.e. ethylene-forming enzyme
 114/18 . . with another compound as one donor, and incorporation of one atom of oxygen (1.14.18)
 114/18001 . . Tyrosinase (1.14.18.1)
 114/18002 . . CMP-N-acetylneuraminase monooxygenase (1.14.18.2)
 114/18003 . . Methane monooxygenase (particulate) (1.14.18.3)
 114/19 . . with oxidation of a pair of donors resulting in the reduction of molecular oxygen to two molecules of water (1.14.19)
 114/19001 . . Stearoyl-CoA 9-desaturase (1.14.19.1), i.e. DELTA9-desaturase

- 114/19002 . . Acyl-[acyl-carrier-protein] desaturase (1.14.19.2)
 114/19003 . . Linoleoyl-CoA desaturase (1.14.19.3)
 114/19004 . . DELTA8-fatty-acid desaturase (1.14.19.4)
 114/19005 . . DELTA11-fatty-acid desaturase (1.14.19.5)
 114/19006 . . DELTA12-fatty-acid desaturase (1.14.19.6), i.e. oleoyl-CoA DELTA12 desaturase
 114/19007 . . (S)-2-Hydroxypropylphosphonic acid epoxidase (1.14.19.7)
 114/20 . with 2-oxoglutarate as one donor, and the other dehydrogenated (1.14.20)
 114/20001 . . Deacetoxycephalosporin-C synthase (1.14.20.1)
 114/20002 . . 2,4-Dihydroxy-1,4-benzoxazin-3-one-glucoside dioxygenase (1.14.20.2)
 114/21 . with NADH or NADPH as one donor, and the other dehydrogenated (1.14.21)
 114/21001 . . (S)-Stylopine synthase (1.14.21.1)
 114/21002 . . (S)-Cheilanthifoline synthase (1.14.21.2)
 114/21003 . . Berbaminine synthase (1.14.21.3)
 114/21004 . . Salutaridine synthase (1.14.21.4)
 114/21005 . . (S)-Canadine synthase (1.14.21.5)
 114/21006 . . Lathosterol oxidase (1.14.21.6), i.e. C-5 sterol desaturase
 114/21007 . . Biflavinolin synthase (1.14.21.7)
 114/21008 . . Pseudobaptigenin synthase (1.14.21.8)
 114/99 . Miscellaneous (1.14.99)
 114/99001 . . Prostaglandin-endoperoxide synthase (1.14.99.1), i.e. cyclooxygenase
 114/99002 . . Kynurenine 7,8-hydroxylase (1.14.99.2)
 114/99003 . . Heme oxygenase (1.14.99.3)
 114/99004 . . Progesterone monooxygenase (1.14.99.4)
 114/99007 . . Squalene monooxygenase (1.14.99.7)
 114/99009 . . Steroid 17-alpha-monooxygenase (1.14.99.9), i.e. cytochrome-P450-steroid-17-alpha-hydroxylase
 114/9901 . . Steroid 21-monooxygenase (1.14.99.10), i.e. steroid cytochrome P450 21-hydroxylase
 114/99011 . . Estradiol 6-beta-monooxygenase (1.14.99.11)
 114/99012 . . Androst-4-ene-3,17-dione monooxygenase (1.14.99.12)
 114/99014 . . Progesterone 11-alpha-monooxygenase (1.14.99.14)
 114/99015 . . 4-Methoxybenzoate monooxygenase (O-demethylating) (1.14.99.15)
 114/99019 . . Plasmamylethanolamine desaturase (1.14.99.19)
 114/9902 . . Phylloquinone monooxygenase (2,3-epoxidizing) (1.14.99.20)
 114/99021 . . Latia-luciferin monooxygenase (demethylating) (1.14.99.21), i.e. Latia luciferase
 114/99022 . . Ecdysone 20-monooxygenase (1.14.99.22)
 114/99023 . . 3-Hydroxybenzoate 2-monooxygenase (1.14.99.23)
 114/99024 . . Steroid 9-alpha-monooxygenase (1.14.99.24)
 114/99026 . . 2-Hydroxypyridine 5-monooxygenase (1.14.99.26)
 114/99027 . . Juglone 3-monooxygenase (1.14.99.27)
 114/99029 . . Deoxyhypusine monooxygenase (1.14.99.29)
 114/99031 . . Myristoyl-CoA 11-(E) desaturase (1.14.99.31)
 114/99032 . . Myristoyl-CoA 11-(Z) desaturase (1.14.99.32)
 114/99033 . . DELTA12-fatty acid dehydrogenase (1.14.99.33)
 114/99034 . . Monoprenyl isoflavone epoxidase (1.14.99.34)
 114/99035 . . Thiophene-2-carbonyl-CoA monooxygenase (1.14.99.35)
 114/99036 . . Beta-carotene 15,15'-monooxygenase (1.14.99.36)
 114/99037 . . Taxadiene 5-alpha-hydroxylase (1.14.99.37)
 114/99038 . . Cholesterol 25-hydroxylase (1.14.99.38)
 114/99039 . . Ammonia monooxygenase (1.14.99.39)
 114/9904 . . 5,6-Dimethylbenzimidazole synthase (1.14.99.40)
 114/99041 . . All-trans-8'-apo-beta-carotenal 15,15'-oxygenase (1.14.99.41)
 114/99042 . . Zeaxanthin 7,8-dioxygenase (1.14.99.42)
 114/99043 . . Beta-amyrin 24-hydroxylase (1.14.99.43)
 114/99044 . . Diapolycopene oxygenase (1.14.99.44)
 114/99045 . . Carotene epsilon-monooxygenase (1.14.99.45)
 114/99046 . . Pyrimidine oxygenase (1.14.99.46)
 114/99047 . . (+)-Larreatricin hydroxylase (1.14.99.47)
115/00 Oxidoreductases acting on superoxide as acceptor (1.15)
 115/01 . with NAD or NADP as acceptor (1.15.1)
 115/01001 . . Superoxide dismutase (1.15.1.1)
 115/01002 . . Superoxide reductase (1.15.1.2)
116/00 Oxidoreductases oxidizing metal ions (1.16)
 116/01 . with NAD⁺ or NADP⁺ as acceptor (1.16.1)
 116/01001 . . Mercury(II) reductase (1.16.1.1)
 116/01002 . . Diferric-transferrin reductase (1.16.1.2)
 116/01003 . . Aquacobalamin reductase (1.16.1.3)
 116/01004 . . Cob(II)alamin reductase (1.16.1.4)
 116/01005 . . Aquacobalamin reductase (NADPH) (1.16.1.5)
 116/01006 . . Cyanocobalamin reductase (cyanide-eliminating) (1.16.1.6)
 116/01007 . . Ferric-chelate reductase (NADH) (1.16.1.7)
 116/01008 . . [Methionine synthase] reductase (1.16.1.8)
 116/01009 . . Ferric-chelate reductase (NADPH) (1.16.1.9)
 116/03 . with oxygen as acceptor (1.16.3)
 116/03001 . . Ferroxidase (1.16.3.1), i.e. ceruloplasmin
 116/05 . with a quinone or similar compound as acceptor (1.16.5)
 116/05001 . . Ascorbate ferrireductase (transmembrane) (1.16.5.1)
 116/08 . with flavin as acceptor (1.16.8)
 116/08001 . . Cob(II)yrinic acid a,c-diamide reductase (1.16.8.1)
 116/09 . with a copper protein as acceptor (1.16.9)
 116/09001 . . Iron:rusticyanin reductase (1.16.9.1)
 116/98 . with other, known, acceptors (1.16.98)
117/00 Oxidoreductases acting on CH or CH₂ groups (1.17)
 117/01 . with NAD⁺ or NADP⁺ as acceptor (1.17.1)
 117/01001 . . CDP-4-dehydro-6-deoxyglucose reductase (1.17.1.1)
 117/01002 . . 4-Hydroxy-3-methylbut-2-enyl diphosphate reductase (1.17.1.2)
 117/01003 . . Leucoanthocyanidin reductase (1.17.1.3)
 117/01004 . . Xanthine dehydrogenase (1.17.1.4)
 117/01005 . . Nicotinate dehydrogenase (1.17.1.5)
 117/01007 . . 3-Oxo-5,6-dehydrosuberyl-CoA semialdehyde dehydrogenase (1.17.1.7)
 117/02 . with a cytochrome as acceptor (1.17.2)
 117/02001 . . Nicotinate dehydrogenase (cytochrome) (1.17.2.1)
 117/02002 . . Lupanine 17-hydroxylase (cytochrome c) (1.17.2.2)
 117/03 . with oxygen as acceptor (1.17.3)
 117/03001 . . Pteridine oxidase (1.17.3.1)
 117/03002 . . Xanthine oxidase (1.17.3.2)

- 117/03003 . . 6-Hydroxynicotinate dehydrogenase (1.17.3.3)
- 117/04 . with a disulfide as acceptor (1.17.3)
- 117/04001 . . Ribonucleoside-diphosphate reductase (1.17.4.1)
- 117/04002 . . Ribonucleoside-triphosphate reductase (1.17.4.2)
- 117/05 . with a quinone or similar compound as acceptor (1.17.5)
- 117/05001 . . Phenylacetyl-CoA dehydrogenase (1.17.5.1)
- 117/05002 . . Caffeine dehydrogenase (1.17.5.2)
- 117/07 . with an iron-sulfur protein as acceptor (1.17.7)
- 117/07001 . . (E)-4-Hydroxy-3-methylbut-2-enyl-diphosphate synthase (1.17.7.1)
- 117/07002 . . 7-Hydroxymethyl chlorophyll a reductase (1.17.7.2)
- 117/99 . with other acceptors (1.17.99)
- 117/99001 . . 4-Methylphenol dehydrogenase (hydroxylating) (1.17.99.1)
- 117/99002 . . Ethylbenzene hydroxylase (1.17.99.2)
- 117/99003 . . 3-Alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase (1.17.99.3)
- 117/99004 . . Uracil/thymine dehydrogenase (1.17.99.4)
- 117/99005 . . Bile-acid 7-alpha-dehydroxylase (1.17.99.5)
- 118/00 Oxidoreductases acting on iron-sulfur proteins as donors (1.18)**
- 118/01 . with NAD+ or NADP+ as acceptor (1.18.1)
- 118/01001 . . Rubredoxin--NAD+ reductase (1.18.1.1)
- 118/01002 . . Ferredoxin-NADP+ reductase (1.18.1.2)
- 118/01003 . . Ferredoxin--NAD+ reductase (1.18.1.3)
- 118/01004 . . Rubredoxin--NAD(P)+ reductase (1.18.1.4)
- 118/01005 . . Putidaredoxin--NAD+ reductase (1.18.1.5)
- 118/01006 . . Adrenodoxin-NADP+ reductase (1.18.1.6)
- 118/06 . with dinitrogen as acceptor (1.18.6)
- 118/06001 . . Nitrogenase (1.18.6.1)
- 119/00 Oxidoreductases acting on reduced flavodoxin as donor (1.19)**
- 119/06 . with dinitrogen as acceptor (1.19.6)
- 119/06001 . . Nitrogenase (flavodoxin) (1.19.6.1)
- 120/00 Oxidoreductases acting on phosphorus or arsenic in donors (1.20)**
- 120/01 . with NAD+ or NADP+ as acceptor (1.20.1)
- 120/01001 . . Phosphonate dehydrogenase (1.20.1.1)
- 120/02 . with a cytochrome as acceptor (1.20.2)
- 120/02001 . . Arsenate reductase (cytochrome c) (1.20.2.1)
- 120/04 . acting on phosphorus or arsenic in donors, with disulfide as acceptor (1.20.4)
- 120/04001 . . Arsenate reductase (1.20.4.1), i.e. glutaredoxin
- 120/04002 . . Methylarsonate reductase (1.20.4.2)
- 120/04003 . . Mycoredoxin (1.20.4.3)
- 120/09 . with a copper protein as acceptor (1.20.9)
- 120/09001 . . Arsenate reductase (azurin) (1.20.9.1)
- 120/99 . with other acceptors (1.20.99)
- 120/99001 . . Arsenate reductase (donor) (1.20.99.1)
- 121/00 Oxidoreductases acting on X-H and Y-H to form an X-Y bond (1.21)**
- 121/03 . with oxygen as acceptor (1.21.3)
- 121/03001 . . Isopenicillin-N synthase (1.21.3.1)
- 121/03002 . . Columbamine oxidase (1.21.3.2)
- 121/03003 . . Reticuline oxidase (1.21.3.3)
- 121/03004 . . Sulochrin oxidase ((+)-bisdechlorogeodin-forming)(1.21.3.4)
- 121/03005 . . Sulochrin oxidase ((-)-bisdechlorogeodin-forming)(1.21.3.5)
- 121/03006 . . Aureusidin synthase (1.21.3.6)
- 121/03007 . . Tetrahydrocannabinolic acid synthase (1.21.3.7)
- 121/03008 . . Cannabidiolic acid synthase (1.21.3.8)
- 121/04 . with a disulfide as acceptor (1.21.4)
- 121/04001 . . D-Proline reductase (dithiol) (1.21.4.1)
- 121/04002 . . Glycine reductase (1.21.4.2)
- 121/04003 . . Sarcosine reductase (1.21.4.3)
- 121/04004 . . Betaine reductase (1.21.4.4)
- 121/99 . with other acceptors (1.21.99)
- 121/99001 . . Beta-cyclopiazonate dehydrogenase (1.21.99.1)
- 122/00 Oxidoreductases acting on halogen in donors (1.22)**
- 122/01 . with NAD+ or NADP+ as acceptor (1.22.1)
- 122/01001 . . Iodotyrosine deiodinase (1.22.1.1)
- 197/00 Other oxidoreductases (1.97)**
- 197/01 . other oxidoreductases (1.97.1)
- 197/01001 . . Chlorate reductase (1.97.1.1)
- 197/01002 . . Pyrogallol hydroxytransferase (1.97.1.2)
- 197/01003 . . Sulfur reductase (1.97.1.3)
- 197/01004 . . [Formate-C-acetyltransferase]-activating enzyme (1.97.1.4)
- 197/01008 . . Tetrachloroethene reductive dehalogenase (1.97.1.8)
- 197/01009 . . Selenate reductase (1.97.1.9)
- 197/0101 . . Thyroxine 5'-deiodinase (1.97.1.10), i.e. deiodinase I or II
- 197/01011 . . Thyroxine 5-deiodinase (1.97.1.11), i.e. deiodinase III
- 197/01012 . . Photosystem I (1.97.1.12)
- 201/00 Transferases transferring one-carbon groups (2.1)**
- 201/01 . Methyltransferases (2.1.1)
- 201/01001 . . Nicotinamide N-methyltransferase (2.1.1.1)
- 201/01002 . . Guanidinoacetate N-methyltransferase (2.1.1.2)
- 201/01003 . . Thetin--homocysteine S-methyltransferase (2.1.1.3)
- 201/01004 . . Acetylserotonin O-methyltransferase (2.1.1.4)
- 201/01005 . . Betaine--homocysteine S-methyltransferase (2.1.1.5)
- 201/01006 . . Catechol O-methyltransferase (2.1.1.6)
- 201/01007 . . Nicotinate N-methyltransferase (2.1.1.7)
- 201/01008 . . Histamine N-methyltransferase (2.1.1.8)
- 201/01009 . . Thiol S-methyltransferase (2.1.1.9)
- 201/0101 . . Homocysteine S-methyltransferase (2.1.1.10)
- 201/01011 . . Magnesium protoporphyrin IX methyltransferase (2.1.1.11)
- 201/01012 . . Methionine S-methyltransferase (2.1.1.12)
- 201/01013 . . Methionine synthase (2.1.1.13)
- 201/01014 . . 5-Methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (2.1.1.14)
- 201/01015 . . Fatty-acid O-methyltransferase (2.1.1.15)
- 201/01016 . . Methylene-fatty-acyl-phospholipid synthase (2.1.1.16)
- 201/01017 . . Phosphatidylethanolamine N-methyltransferase (2.1.1.17)
- 201/01018 . . Polysaccharide O-methyltransferase (2.1.1.18)
- 201/01019 . . Trimethylsulfonium--tetrahydrofolate N-methyltransferase (2.1.1.19)
- 201/0102 . . Glycine N-methyltransferase (2.1.1.20)
- 201/01021 . . Methylamine--glutamate N-methyltransferase (2.1.1.21)

201/01022	. . Carnosine N-methyltransferase (2.1.1.22)	201/01062	. . mRNA (2'-O-methyladenosine-N6-)-methyltransferase (2.1.1.62)
201/01023	. . Protein-arginine N-methyltransferase (2.1.1.23) (C12Y 201/01124 - C12Y 201/01126 take precedence)	201/01063	. . Methylated-DNA-[protein]-cysteine S-methyltransferase (2.1.1.63), i.e. O6-methylguanine-DNA methyltransferase
201/01024	. . Protein-gamma-glutamate O-methyltransferase (2.1.1.24) (C12Y 201/01077 , C12Y 201/0108 , C12Y 201/011 take precedence)	201/01064	. . 3-Demethylubiquinol 3-O-methyltransferase (2.1.1.64)
201/01025	. . Phenol O-methyltransferase (2.1.1.25)	201/01065	. . Licodione 2'-O-methyltransferase (2.1.1.65)
201/01026	. . Iodophenol O-methyltransferase (2.1.1.26)	201/01066	. . rRNA (adenosine-2'-O-)-methyltransferase (2.1.1.66)
201/01027	. . Tyramine N-methyltransferase (2.1.1.27)	201/01067	. . Thiopurine S-methyltransferase (2.1.1.67)
201/01028	. . Phenylethanolamine N-methyltransferase (2.1.1.28)	201/01068	. . Caffeate O-methyltransferase (2.1.1.68)
201/01029	. . tRNA (cytosine-5-)-methyltransferase (2.1.1.29) (C12Y 201/01202 - C12Y 201/01204 take precedence)	201/01069	. . 5-Hydroxyfuranocoumarin 5-O-methyltransferase (2.1.1.69)
201/01031	. . tRNA (guanine-N1-)-methyltransferase (2.1.1.31) (C12Y 201/01221 , C12Y 201/01228 take precedence)	201/0107	. . 8-Hydroxyfuranocoumarin 8-O-methyltransferase (2.1.1.70)
201/01032	. . tRNA (guanine-N2-)-methyltransferase (2.1.1.32) (C12Y 201/01213 - C12Y 201/01216 take precedence)	201/01071	. . Phosphatidyl-N-methylethanolamine N-methyltransferase (2.1.1.71)
201/01033	. . tRNA (guanine-N7-)-methyltransferase (2.1.1.33)	201/01072	. . Site-specific DNA-methyltransferase (adenine-specific) (2.1.1.72)
201/01034	. . tRNA (guanosine18-2'-O)-methyltransferase (2.1.1.34)	201/01074	. . Methylenetetrahydrofolate--tRNA-(uracil54-C5)-methyltransferase (FADH2-oxidizing) (2.1.1.74)
201/01035	. . tRNA (uracil-5-)-methyltransferase (2.1.1.35)	201/01075	. . Apigenin 4'-O-methyltransferase (2.1.1.75)
201/01036	. . tRNA (adenine-N1-)-methyltransferase (2.1.1.36) (C12Y 201/01217 - C12Y 201/0122 take precedence)	201/01076	. . Quercetin 3-O-methyltransferase (2.1.1.76)
201/01037	. . DNA (cytosine-5-)-methyltransferase (2.1.1.37)	201/01077	. . Protein-L-isoaspartate(D-aspartate) O-methyltransferase (2.1.1.77)
201/01038	. . O-Demethylpuromycin O-methyltransferase (2.1.1.38)	201/01078	. . Isoorientin 3'-O-methyltransferase (2.1.1.78)
201/01039	. . Inositol 3-methyltransferase (2.1.1.39)	201/01079	. . Cyclopropane-fatty-acyl-phospholipid synthase (2.1.1.79)
201/0104	. . Inositol 1-methyltransferase (2.1.1.40)	201/0108	. . Protein-glutamate O-methyltransferase (2.1.1.80)
201/01041	. . Sterol 24-C-methyltransferase (2.1.1.41)	201/01082	. . 3-Methylquercetin 7-O-methyltransferase (2.1.1.82)
201/01042	. . Flavone 3'-O-methyltransferase (2.1.1.42)	201/01083	. . 3,7-Dimethylquercetin 4'-O-methyltransferase (2.1.1.83)
201/01043	. . Histone-lysine N-methyltransferase (2.1.1.43)	201/01084	. . Methylquercetagenin 6-O-methyltransferase (2.1.1.84)
201/01044	. . Dimethylhistidine N-methyltransferase (2.1.1.44)	201/01085	. . Protein-histidine N-methyltransferase (2.1.1.85)
201/01045	. . Thymidylate synthase (2.1.1.45)	201/01086	. . Tetrahydromethanopterin S-methyltransferase (2.1.1.86)
201/01046	. . Isoflavone 4'-O-methyltransferase (2.1.1.46)	201/01087	. . Pyridine N-methyltransferase (2.1.1.87)
201/01047	. . Indolepyruvate C-methyltransferase (2.1.1.47)	201/01088	. . 8-Hydroxyquercetin 8-O-methyltransferase (2.1.1.88)
201/01048	. . rRNA (adenine-N6-)-methyltransferase (2.1.1.48) (C12Y 201/01181 - C12Y 201/01184 take precedence)	201/01089	. . Tetrahydrocolumbamine 2-O-methyltransferase (2.1.1.89)
201/01049	. . Amine N-methyltransferase (2.1.1.49)	201/0109	. . Methanol—corrinoid protein Co-methyltransferase (2.1.1.90)
201/0105	. . Loganate O-methyltransferase (2.1.1.50)	201/01091	. . Isobutyraldioxime O-methyltransferase (2.1.1.91)
201/01051	. . rRNA (guanine-N1-)-methyltransferase (2.1.1.51) (C12Y 201/01187 , C12Y 201/01188 take precedence)	201/01094	. . Tabersonine 16-O-methyltransferase (2.1.1.94)
201/01052	. . rRNA (guanine-N2-)-methyltransferase (2.1.1.52) (C12Y 201/01171 - C12Y 201/01174 take precedence)	201/01095	. . Tocopherol O-methyltransferase (2.1.1.95)
201/01053	. . Putrescine N-methyltransferase (2.1.1.53)	201/01096	. . Thioether S-methyltransferase (2.1.1.96)
201/01054	. . Deoxycytidylate C-methyltransferase (2.1.1.54)	201/01097	. . 3-Hydroxyanthranilate 4-C-methyltransferase (2.1.1.97)
201/01055	. . tRNA (adenine-N6-)-methyltransferase (2.1.1.55)	201/01098	. . Diphthine synthase (2.1.1.98)
201/01056	. . mRNA (guanine-N7-)-methyltransferase (2.1.1.56)	201/01099	. . 3-Hydroxy-16-methoxy-2,3-dihydrotabersonine N-methyltransferase (2.1.1.99)
201/01057	. . mRNA (nucleoside-2'-O-)-methyltransferase (2.1.1.57)	201/011	. . Protein-S-isoprenylcysteine O-methyltransferase (2.1.1.100)
201/01059	. . [Cytochrome c]-lysine N-methyltransferase (2.1.1.59)	201/01101	. . Macrocin O-methyltransferase (2.1.1.101)
201/0106	. . Calmodulin-lysine N-methyltransferase (2.1.1.60)	201/01102	. . Demethylmacrocin O-methyltransferase (2.1.1.102)
201/01061	. . tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase (2.1.1.61)	201/01103	. . Phosphoethanolamine N-methyltransferase (2.1.1.103)
		201/01104	. . Caffeoyl-CoA O-methyltransferase (2.1.1.104)

201/01105	. . N-Benzoyl-4-hydroxyanthranilate 4-O-methyltransferase (2.1.1.105)	201/01147	. . Corydaline synthase (2.1.1.147)
201/01106	. . Tryptophan 2-C-methyltransferase (2.1.1.106)	201/01148	. . Thymidylate synthase (FAD) (2.1.1.148)
201/01107	. . Uroporphyrinogen-III C-methyltransferase (2.1.1.107)	201/01149	. . Myricetin O-methyltransferase (2.1.1.149)
201/01108	. . 6-Hydroxymellein O-methyltransferase (2.1.1.108)	201/0115	. . Isoflavone 7-O-methyltransferase (2.1.1.150)
201/01109	. . Demethylsterigmatocystin 6-O-methyltransferase (2.1.1.109)	201/01151	. . Cobalt-factor II C20-methyltransferase (2.1.1.151)
201/0111	. . Sterigmatocystin 8-O-methyltransferase (2.1.1.110)	201/01152	. . Precorrin-6A synthase (deacetylating) (2.1.1.152)
201/01111	. . Anthranilate N-methyltransferase (2.1.1.111)	201/01153	. . Vitexin 2''-O-rhamnoside 7-O-methyltransferase (2.1.1.153)
201/01112	. . Glucuronoxylan 4-O-methyltransferase (2.1.1.112)	201/01154	. . Isoliquiritigenin 2'-O-methyltransferase (2.1.1.154)
201/01113	. . Site-specific DNA-methyltransferase (cytosine-N4-specific) (2.1.1.113)	201/01155	. . Kaempferol 4'-O-methyltransferase (2.1.1.155)
201/01114	. . Polyprenyldihydroxybenzoate methyltransferase (2.1.1.114)	201/01156	. . Glycine/sarcosine N-methyltransferase (2.1.1.156)
201/01115	. . (RS)-1-Benzyl-1,2,3,4-tetrahydroisoquinoline N-methyltransferase (2.1.1.115)	201/01157	. . Sarcosine/dimethylglycine N-methyltransferase (2.1.1.157)
201/01116	. . 3'-Hydroxy-N-methyl-(S)-coclaurine 4'-O-methyltransferase (2.1.1.116)	201/01158	. . 7-Methylxanthosine synthase (2.1.1.158)
201/01117	. . (S)-Scoulerine 9-O-methyltransferase (2.1.1.117)	201/01159	. . Theobromine synthase (2.1.1.159)
201/01118	. . Columbamine O-methyltransferase (2.1.1.118)	201/0116	. . Caffeine synthase (2.1.1.160)
201/01119	. . 10-Hydroxydihydrosanguinarine 10-O-methyltransferase (2.1.1.119)	201/01161	. . Dimethylglycine N-methyltransferase (2.1.1.161)
201/0112	. . 12-Hydroxydihydrochelirubine 12-O-methyltransferase (2.1.1.120)	201/01162	. . Glycine/sarcosine/dimethylglycine N-methyltransferase (2.1.1.162)
201/01121	. . 6-O-Methylnorlaudanosoline 5'-O-methyltransferase (2.1.1.121)	201/01163	. . Demethylmenaquinone methyltransferase (2.1.1.163)
201/01122	. . (S)-Tetrahydroprotoberberine N-methyltransferase (2.1.1.122)	201/01164	. . Demethylrebeccamycin-D-glucose O-methyltransferase (2.1.1.164)
201/01123	. . [Cytochrome c]-methionine S-methyltransferase (2.1.1.123)	201/01165	. . Methyl halide transferase (2.1.1.165)
201/01124	. . [Cytochrome c]-arginine N-methyltransferase (2.1.1.124)	201/01166	. . 23S rRNA (uridine2552-2'-O-)-methyltransferase (2.1.1.166)
201/01125	. . Histone-arginine N-methyltransferase (2.1.1.125)	201/01167	. . 27S pre-rRNA (guanosine2922-2'-O-)-methyltransferase (2.1.1.167)
201/01126	. . [Myelin basic protein]-arginine N-methyltransferase (2.1.1.126)	201/01168	. . 21S rRNA (uridine2791-2'-O-)-methyltransferase (2.1.1.168)
201/01127	. . [Ribulose-bisphosphate carboxylase]-lysine N-methyltransferase (2.1.1.127)	201/01169	. . Tricetin 3',4',5'-O-trimethyltransferase (2.1.1.169)
201/01128	. . (RS)-Norcoclaurine 6-O-methyltransferase (2.1.1.128)	201/0117	. . 16S rRNA (guanine527-N7)-methyltransferase (2.1.1.170)
201/01129	. . Inositol 4-methyltransferase (2.1.1.129)	201/01171	. . 16S rRNA (guanine966-N2)-methyltransferase (2.1.1.171)
201/0113	. . Precorrin-2 C20-methyltransferase (2.1.1.130)	201/01172	. . 16S rRNA (guanine1207-N2)-methyltransferase (2.1.1.172)
201/01131	. . Precorrin-3B C17-methyltransferase (2.1.1.131)	201/01173	. . 23S rRNA (guanine2445-N2)-methyltransferase (2.1.1.173)
201/01132	. . Precorrin-6Y C5,15-methyltransferase (decarboxylating) (2.1.1.132)	201/01174	. . 23S rRNA (guanine1835-N2)-methyltransferase (2.1.1.174)
201/01133	. . Precorrin-4 C11-methyltransferase (2.1.1.133)	201/01175	. . Tricin synthase (2.1.1.175)
201/01136	. . Chlorophenol O-methyltransferase (2.1.1.136)	201/01176	. . 16S rRNA (cytosine967-C5)-methyltransferase (2.1.1.176)
201/01137	. . Arsenite methyltransferase (2.1.1.137)	201/01177	. . 23S rRNA (pseudouridine1915-N3)-methyltransferase (2.1.1.177)
201/01139	. . 3'-Demethylstaurosporine O-methyltransferase (2.1.1.139)	201/01178	. . 16S rRNA (cytosine1407-C5)-methyltransferase (2.1.1.178)
201/0114	. . (S)-Coclaurine-N-methyltransferase (2.1.1.140)	201/01179	. . 16S rRNA (guanine1405-N7)-methyltransferase (2.1.1.179)
201/01141	. . Jasmonate O-methyltransferase (2.1.1.141)	201/0118	. . 16S rRNA (adenine1408-N1)-methyltransferase (2.1.1.180)
201/01142	. . Cycloartenol 24-C-methyltransferase (2.1.1.142), i.e. sterol C24-methyltransferase	201/01181	. . 23S rRNA (adenine1618-N6)-methyltransferase (2.1.1.181)
201/01143	. . 24-Methylenesterol C-methyltransferase (2.1.1.143), i.e. DELTA24-sterol methyltransferase	201/01182	. . 16S rRNA (adenine1518-N6/adenine1519-N6)-dimethyltransferase (2.1.1.182)
201/01144	. . Trans-aconitate 2-methyltransferase (2.1.1.144)	201/01183	. . 18S rRNA (adenine1779-N6/adenine1780-N6)-dimethyltransferase (2.1.1.183)
201/01145	. . Trans-aconitate 3-methyltransferase (2.1.1.145)	201/01184	. . 23S rRNA (adenine2085-N6)-dimethyltransferase (2.1.1.184)
201/01146	. . (Iso)eugenol O-methyltransferase (2.1.1.146)		

201/01185	. . 23S rRNA (guanine2251-2'-O)-methyltransferase (2.1.1.185)	201/01216	. . tRNA (guanine26-N2)-dimethyltransferase (2.1.1.216)
201/01186	. . 23S rRNA (cytidine2498-2'-O)-methyltransferase (2.1.1.186)	201/01217	. . tRNA (adenine22-N1)-methyltransferase (2.1.1.217)
201/01187	. . 23S rRNA (guanine745-N1)-methyltransferase (2.1.1.187)	201/01218	. . tRNA (adenine9-N1)-methyltransferase (2.1.1.218)
201/01188	. . 23S rRNA (guanine748-N1)-methyltransferase (2.1.1.188)	201/01219	. . tRNA (adenine57-N1/adenine58-N1)-methyltransferase (2.1.1.219)
201/01189	. . 23S rRNA (uracil747-C5)-methyltransferase (2.1.1.189)	201/0122	. . tRNA (adenine58-N1)-methyltransferase (2.1.1.220)
201/0119	. . 23S rRNA (uracil1939-C5)-methyltransferase (2.1.1.190)	201/01221	. . tRNA (guanine9-N1)-methyltransferase (2.1.1.221)
201/01191	. . 23S rRNA (cytosine1962-C5)-methyltransferase (2.1.1.191)	201/01222	. . 2-Polyprenyl-6-hydroxyphenyl methylase (2.1.1.222)
201/01192	. . 23S rRNA (adenine2503-C2)-methyltransferase (2.1.1.192)	201/01223	. . tRNA1(Val) (adenine37-N6)-methyltransferase (2.1.1.223)
201/01193	. . 16S rRNA (uracil1498-N3)-methyltransferase (2.1.1.193)	201/01224	. . 23S rRNA (adenine2503-C8)-methyltransferase (2.1.1.224)
201/01194	. . 23S rRNA (adenine2503-C2,C8)-dimethyltransferase (2.1.1.194) (C12Y 201/01192, C12Y 201/01224 take precedence)	201/01225	. . tRNA:m4X modification enzyme (2.1.1.225)
201/01195	. . Cobalt-precorrin-5B (C1)-methyltransferase (2.1.1.195)	201/01226	. . 23S rRNA (cytidine1920-2'-O)-methyltransferase (2.1.1.226)
201/01196	. . Cobalt-precorrin-7 (C15)-methyltransferase (decarboxylating) (2.1.1.196)	201/01227	. . 16S rRNA (cytidine1409-2'-O)-methyltransferase (2.1.1.227)
201/01197	. . Malonyl-CoA O-methyltransferase (2.1.1.197)	201/01228	. . tRNA (guanine37-N1)-methyltransferase (2.1.1.228)
201/01198	. . 16S rRNA (cytidine1402-2'-O)-methyltransferase (2.1.1.198)	201/01229	. . tRNA (carboxymethyluridine34-5-O)-methyltransferase (2.1.1.229)
201/01199	. . 16S rRNA (cytosine1402-N4)-methyltransferase (2.1.1.199)	201/0123	. . 23S rRNA (adenosine1067-2'-O)-methyltransferase (2.1.1.230)
201/012	. . tRNA (cytidine32/uridine32-2'-O)-methyltransferase (2.1.1.200)	201/01231	. . Flavonoid 4'-O-methyltransferase (2.1.1.231)
201/01201	. . 2-Methoxy-6-polyprenyl-1,4-benzoquinol methylase (2.1.1.201)	201/01232	. . Naringenin 7-O-methyltransferase (2.1.1.232)
201/01202	. . Multisite-specific tRNA:(cytosine-C5)-methyltransferase (2.1.1.202)	201/01233	. . [Phosphatase 2A protein]-leucine-carboxy methyltransferase (2.1.1.233)
201/01203	. . tRNA (cytosine34-C5)-methyltransferase (2.1.1.203)	201/01234	. . dTDP-3-amino-3,4,6-trideoxy-alpha-D-glucopyranose N,N-dimethyltransferase (2.1.1.234)
201/01204	. . tRNA (cytosine38-C5)-methyltransferase (2.1.1.204)	201/01235	. . dTDP-3-amino-3,6-dideoxy-alpha-D-glucopyranose N,N-dimethyltransferase (2.1.1.235)
201/01205	. . tRNA (cytidine32/guanosine34-2'-O)-methyltransferase (2.1.1.205)	201/01236	. . dTDP-3-amino-3,6-dideoxy-alpha-D-galactopyranose N,N-dimethyltransferase (2.1.1.236)
201/01206	. . tRNA (cytidine56-2'-O)-methyltransferase (2.1.1.206)	201/01237	. . Mycinamicin III 3"-O-methyltransferase (2.1.1.237)
201/01207	. . tRNA (cytidine34-2'-O)-methyltransferase (2.1.1.207)	201/01238	. . Mycinamicin VI 2"-O-methyltransferase (2.1.1.238)
201/01208	. . 23S rRNA (uridine2479-2'-O)-methyltransferase (2.1.1.208)	201/01239	. . L-Olivosyl-oleandolide 3-O-methyltransferase (2.1.1.239)
201/01209	. . 23S rRNA (guanine2535-N1)-methyltransferase (2.1.1.209)	201/0124	. . Trans-resveratrol di-O-methyltransferase (2.1.1.240)
201/0121	. . Demethylspheroidene O-methyltransferase (2.1.1.210)	201/01241	. . 2,4,7-Trihydroxy-1,4-benzoxazin-3-one-glucoside 7-O-methyltransferase (2.1.1.241)
201/01211	. . tRNA(Ser) (uridine44-2'-O)-methyltransferase (2.1.1.211)	201/01242	. . 16S rRNA (guanine1516-N2)-methyltransferase (2.1.1.242)
201/01212	. . 2,7,4'-Trihydroxyisoflavanone 4'-O-methyltransferase (2.1.1.212)	201/01243	. . 2-Ketoarginine methyltransferase (2.1.1.243)
201/01213	. . tRNA (guanine10-N2)-dimethyltransferase (2.1.1.213)	201/01244	. . Protein N-terminal methyltransferase (2.1.1.244)
201/01214	. . tRNA (guanine10-N2)-methyltransferase (2.1.1.214)	201/01245	. . 5-Methyltetrahydrosarcinapterin:corrinoid/iron-sulfur protein Co-methyltransferase (2.1.1.245)
201/01215	. . tRNA (guanine26-N2/guanine27-N2)-dimethyltransferase (2.1.1.215)	201/01246	. . [Methyl-Co(III) methanol-specific corrinoid protein]:coenzyme M methyltransferase (2.1.1.246)
		201/01247	. . [Methyl-Co(III) methylamine-specific corrinoid protein]:coenzyme M methyltransferase (2.1.1.247)

201/01248	. . Methylamine—corrinoid protein Co-methyltransferase (2.1.1.248)	201/0301	. . Malonyl-S-ACP:biotin-protein carboxyltransferase (2.1.3.10)
201/01249	. . Dimethylamine—corrinoid protein Co-methyltransferase (2.1.1.249)	201/03011	. . N-Succinylornithine carbamoyltransferase (2.1.3.11)
201/0125	. . Trimethylamine—corrinoid protein Co-methyltransferase (2.1.1.250)	201/04	. . Amidinotransferases (2.1.4)
201/01251	. . Methylated-thiol—coenzyme M methyltransferase (2.1.1.251)	201/04001	. . Glycine amidinotransferase (2.1.4.1)
201/01252	. . Tetramethylammonium—corrinoid protein Co-methyltransferase (2.1.1.252)	201/04002	. . Scyllo-inosamine-4-phosphate amidinotransferase (2.1.4.2)
201/01253	. . [Methyl-Co(III) tetramethylammonium-specific corrinoid protein]:coenzyme M methyltransferase (2.1.1.253)	202/00	Transferases transferring aldehyde or ketonic groups (2.2)
201/01254	. . Erythromycin 3"-O-methyltransferase (2.1.1.254)	202/01	. . Transketolases and transaldolases (2.2.1)
201/01255	. . Geranyl diphosphate 2-C-methyltransferase (2.1.1.255)	202/01001	. . Transketolase (2.2.1.1)
201/01256	. . tRNA (guanine6-N2)-methyltransferase (2.1.1.256)	202/01002	. . Transaldolase (2.2.1.2)
201/01257	. . tRNA (pseudouridine54-N1)-methyltransferase (2.1.1.257)	202/01003	. . Formaldehyde transketolase (2.2.1.3)
201/01258	. . 5-Methyltetrahydrofolate:corrinoid/iron-sulfur protein Co-methyltransferase (2.1.1.258)	202/01004	. . Acetoin--ribose-5-phosphate transaldolase (2.2.1.4)
201/01259	. . [Fructose-bisphosphate aldolase]-lysine N-methyltransferase (2.1.1.259)	202/01005	. . 2-Hydroxy-3-oxoadipate synthase (2.2.1.5)
201/0126	. . rRNA small subunit pseudouridine methyltransferase Nep1 (2.1.1.260)	202/01006	. . Acetolactate synthase (2.2.1.6)
201/01261	. . 4-Dimethylallyltryptophan N-methyltransferase (2.1.1.261)	202/01007	. . 1-Deoxy-D-xylulose-5-phosphate synthase (2.2.1.7)
201/01262	. . Squalene methyltransferase (2.1.1.262)	202/01008	. . Fluorothreonine transaldolase (2.2.1.8)
201/01263	. . Botryococcene C-methyltransferase (2.1.1.263)	202/01009	. . 2-Succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylic-acid synthase (2.2.1.9)
201/01264	. . 23S rRNA (guanine2069-N7)-methyltransferase (2.1.1.264)	202/0101	. . 2-Amino-3,7-dideoxy-D-threo-hept-6-ulosonate synthase (2.2.1.10)
201/01265	. . Tellurite methyltransferase (2.1.1.265)	202/01011	. . 6-Deoxy-5-ketofructose 1-phosphate synthase (2.2.1.11)
201/02	. Hydroxymethyl-, formyl- and related transferases (2.1.2)	203/00	Acyltransferases (2.3)
201/02001	. . Glycine hydroxymethyltransferase (2.1.2.1)	203/01	. . transferring groups other than amino-acyl groups (2.3.1)
201/02002	. . Phosphoribosylglycinamide formyltransferase (2.1.2.2)	203/01001	. . Amino-acid N-acetyltransferase (2.3.1.1)
201/02003	. . Phosphoribosylaminoimidazolecarboxamide formyltransferase (2.1.2.3), i.e. AICAR formyltransferase	203/01002	. . Imidazole N-acetyltransferase (2.3.1.2)
201/02004	. . Glycine formimidoyltransferase (2.1.2.4)	203/01003	. . Glucosamine N-acetyltransferase (2.3.1.3)
201/02005	. . Glutamate formimidoyltransferase (2.1.2.5)	203/01004	. . Glucosamine-phosphate N-acetyltransferase (2.3.1.4)
201/02007	. . D-Alanine 2-hydroxymethyltransferase (2.1.2.7)	203/01005	. . Arylamine N-acetyltransferase (2.3.1.5)
201/02008	. . Deoxycytidylate 5-hydroxymethyltransferase (2.1.2.8)	203/01006	. . Choline O-acetyltransferase (2.3.1.6)
201/02009	. . Methionyl-tRNA formyltransferase (2.1.2.9)	203/01007	. . Carnitine O-acetyltransferase (2.3.1.7)
201/0201	. . Aminomethyltransferase (2.1.2.10)	203/01008	. . Phosphate acetyltransferase (2.3.1.8)
201/02011	. . 3-Methyl-2-oxobutanoate hydroxymethyltransferase (2.1.2.11), i.e. ketopantoate hydroxymethyltransferase	203/01009	. . Acetyl-CoA C-acetyltransferase (2.3.1.9)
201/02013	. . UDP-4-amino-4-deoxy-L-arabinose formyltransferase (2.1.2.13)	203/0101	. . Hydrogen-sulfide S-acetyltransferase (2.3.1.10)
201/03	. Carboxy- and carbamoyltransferases (2.1.3)	203/01011	. . Thioethanolamine S-acetyltransferase (2.3.1.11)
201/03001	. . Methylmalonyl-CoA carboxyltransferase (2.1.3.1)	203/01012	. . Dihydrolipoyllysine-residue acetyltransferase (2.3.1.12)
201/03002	. . Aspartate carbamoyltransferase (2.1.3.2)	203/01013	. . Glycine N-acyltransferase (2.3.1.13)
201/03003	. . Ornithine carbamoyltransferase (2.1.3.3)	203/01014	. . Glutamine N-phenylacetyltransferase (2.3.1.14)
201/03005	. . Oxamate carbamoyltransferase (2.1.3.5)	203/01015	. . Glycerol-3-phosphate O-acyltransferase (2.3.1.15)
201/03006	. . Putrescine carbamoyltransferase (2.1.3.6)	203/01016	. . Acetyl-CoA C-acyltransferase (2.3.1.16)
201/03007	. . 3-Hydroxymethylcephem carbamoyltransferase (2.1.3.7)	203/01017	. . Aspartate N-acetyltransferase (2.3.1.17)
201/03008	. . Lysine carbamoyltransferase (2.1.3.8)	203/01018	. . Galactoside O-acetyltransferase (2.3.1.18)
201/03009	. . N-Acetylornithine carbamoyltransferase (2.1.3.9)	203/01019	. . Phosphate butyryltransferase (2.3.1.19)
		203/0102	. . Diacylglycerol O-acyltransferase (2.3.1.20)
		203/01021	. . Carnitine O-palmitoyltransferase (2.3.1.21)
		203/01022	. . 2-Acylglycerol O-acyltransferase (2.3.1.22)
		203/01023	. . 1-Acylglycerophosphocholine O-acyltransferase (2.3.1.23), i.e. lysophosphatidylcholine acyltransferase or LPCAT
		203/01024	. . Sphingosine N-acyltransferase (2.3.1.24)
		203/01025	. . Plasmalogen synthase (2.3.1.25)
		203/01026	. . Sterol O-acyltransferase (2.3.1.26)

203/01027	. . Cortisol O-acetyltransferase (2.3.1.27)	203/01072	. . Indoleacetylglucose--inositol O-acyltransferase (2.3.1.72)
203/01028	. . Chloramphenicol O-acetyltransferase (2.3.1.28)	203/01073	. . Diacylglycerol-sterol O-acyltransferase (2.3.1.73)
203/01029	. . Glycine C-acetyltransferase (2.3.1.29)	203/01074	. . Naringenin-chalcone synthase (2.3.1.74), i.e. chalcone synthase
203/0103	. . Serine O-acetyltransferase (2.3.1.30)	203/01075	. . Long-chain-alcohol O-fatty-acyltransferase (2.3.1.75)
203/01031	. . Homoserine O-acetyltransferase (2.3.1.31)	203/01076	. . Retinol O-fatty-acyltransferase (2.3.1.76)
203/01032	. . Lysine N-acetyltransferase (2.3.1.32)	203/01077	. . Triacylglycerol--sterol O-acyltransferase (2.3.1.77)
203/01033	. . Histidine N-acetyltransferase (2.3.1.33)	203/01078	. . Heparan-alpha-glucosaminide N-acetyltransferase (2.3.1.78)
203/01034	. . D-Tryptophan N-acetyltransferase (2.3.1.34)	203/01079	. . Maltose O-acetyltransferase (2.3.1.79)
203/01035	. . Glutamate N-acetyltransferase (2.3.1.35)	203/0108	. . Cysteine-S-conjugate N-acetyltransferase (2.3.1.80)
203/01036	. . D-Amino-acid N-acetyltransferase (2.3.1.36)	203/01081	. . Aminoglycoside N3'-acetyltransferase (2.3.1.81)
203/01037	. . 5-Aminolevulinate synthase (2.3.1.37)	203/01082	. . Aminoglycoside N6'-acetyltransferase (2.3.1.82)
203/01038	. . [Acyl-carrier-protein] S-acetyltransferase (2.3.1.38)	203/01083	. . Phosphatidylcholine--dolichol O-acyltransferase (2.3.1.83)
203/01039	. . [Acyl-carrier-protein] S-malonyltransferase (2.3.1.39)	203/01084	. . Alcohol O-acetyltransferase (2.3.1.84)
203/0104	. . Acyl-[acyl-carrier-protein]-phospholipid O-acyltransferase (2.3.1.40)	203/01085	. . Fatty-acid synthase (2.3.1.85)
203/01041	. . Beta-ketoacyl-acyl-carrier-protein synthase I (2.3.1.41)	203/01086	. . Fatty-acyl-CoA synthase (2.3.1.86)
203/01042	. . Glycerone-phosphate O-acyltransferase (2.3.1.42)	203/01087	. . Aralkylamine N-acetyltransferase (2.3.1.87)
203/01043	. . Phosphatidylcholine-sterol O-acyltransferase (2.3.1.43), i.e. lecithin-cholesterol acyltransferase or LCAT	203/01088	. . Peptide alpha-N-acetyltransferase (2.3.1.88)
203/01044	. . Acetyl-CoA:N-acetylneuraminate 4-O-acetyltransferase (2.3.1.44)	203/01089	. . Tetrahydrodipicolinate N-acetyltransferase (2.3.1.89)
203/01045	. . N-Acetylneuraminate 7-O (or 9-O)-acetyltransferase (2.3.1.45)	203/0109	. . Beta-glucogallin O-galloyltransferase (2.3.1.90)
203/01046	. . Homoserine O-succinyltransferase (2.3.1.46)	203/01091	. . Sinapoylglucose--choline O-sinapoyltransferase (2.3.1.91)
203/01047	. . 8-Amino-7-oxononanoate synthase (2.3.1.47)	203/01092	. . Sinapoylglucose--malate O-sinapoyltransferase (2.3.1.92)
203/01048	. . Histone acetyltransferase (2.3.1.48)	203/01093	. . 13-Hydroxylupanine O-tigloyltransferase (2.3.1.93)
203/01049	. . Deacetyl-[citrate-(pro-3S)-lyase] S-acetyltransferase (2.3.1.49)	203/01094	. . 6-Deoxyerythronolide-B synthase (2.3.1.94)
203/0105	. . Serine C-palmitoyltransferase (2.3.1.50)	203/01095	. . Trihydroxystilbene synthase (2.3.1.95)
203/01051	. . 1-Acylglycerol-3-phosphate O-acyltransferase (2.3.1.51)	203/01096	. . Glycoprotein N-palmitoyltransferase (2.3.1.96)
203/01052	. . 2-Acylglycerol-3-phosphate O-acyltransferase (2.3.1.52)	203/01097	. . Glycylpeptide N-tetradecanoyltransferase (2.3.1.97)
203/01053	. . Phenylalanine N-acetyltransferase (2.3.1.53)	203/01098	. . Chlorogenate--glucarate O-hydroxycinnamoyltransferase (2.3.1.98)
203/01054	. . Formate C-acetyltransferase (2.3.1.54), i.e. pyruvate formate-lyase or PFL	203/01099	. . Quinate O-hydroxycinnamoyltransferase (2.3.1.99)
203/01056	. . Aromatic-hydroxylamine O-acetyltransferase (2.3.1.56)	203/011	. . [Myelin-proteolipid] O-palmitoyltransferase (2.3.1.100)
203/01057	. . Diamine N-acetyltransferase (2.3.1.57)	203/01101	. . Formylmethanofuran--tetrahydromethanopterin N-formyltransferase (2.3.1.101)
203/01058	. . 2,3-Diaminopropionate N-oxalyltransferase (2.3.1.58)	203/01102	. . N6-Hydroxyllysine O-acetyltransferase (2.3.1.102)
203/01059	. . Gentamicin 2'-N-acetyltransferase (2.3.1.59)	203/01103	. . Sinapoylglucose--sinapoylglucose O-sinapoyltransferase (2.3.1.103)
203/0106	. . Gentamicin 3'-N-acetyltransferase (2.3.1.60)	203/01104	. . 1-Alkenylglycerophosphocholine O-acyltransferase (2.3.1.104)
203/01061	. . Dihydrolypoyllysine-residue succinyltransferase (2.3.1.61)	203/01105	. . Alkylglycerophosphate 2-O-acetyltransferase (2.3.1.105)
203/01062	. . 2-Acylglycerophosphocholine O-acyltransferase (2.3.1.62)	203/01106	. . Tartronate O-hydroxycinnamoyltransferase (2.3.1.106)
203/01063	. . 1-Alkylglycerophosphocholine O-acyltransferase (2.3.1.63)	203/01107	. . Deacetylvinidoline O-acetyltransferase (2.3.1.107)
203/01064	. . Agmatine N4-coumaroyltransferase (2.3.1.64)	203/01108	. . Alpha-tubulin N-acetyltransferase (2.3.1.108)
203/01065	. . Bile acid-CoA:amino acid N-acyltransferase (2.3.1.65)	203/01109	. . Arginine N-succinyltransferase (2.3.1.109)
203/01066	. . Leucine N-acetyltransferase (2.3.1.66)	203/0111	. . Tyramine N-feruloyltransferase (2.3.1.110)
203/01067	. . 1-Alkylglycerophosphocholine O-acetyltransferase (2.3.1.67)	203/01111	. . Mycocerosate synthase (2.3.1.111)
203/01068	. . Glutamine N-acyltransferase (2.3.1.68)	203/01112	. . D-Tryptophan N-malonyltransferase (2.3.1.112)
203/01069	. . Monoterpenol O-acetyltransferase (2.3.1.69)	203/01113	. . Anthranilate N-malonyltransferase (2.3.1.113)
203/01071	. . Glycine N-benzoyltransferase (2.3.1.71)		

203/01114	. . 3,4-Dichloroaniline N-malonyltransferase (2.3.1.114)	203/01156	. . Phloroisovalerophenone synthase (2.3.1.156)
203/01115	. . Isoflavone-7-O-beta-glucoside 6"-O-malonyltransferase (2.3.1.115)	203/01157	. . Glucosamine-1-phosphate N-acetyltransferase (2.3.1.157)
203/01116	. . Flavonol-3-O-beta-glucoside O-malonyltransferase (2.3.1.116)	203/01158	. . Phospholipid:diacylglycerol acyltransferase (2.3.1.158)
203/01117	. . 2,3,4,5-Tetrahydropyridine-2,6-dicarboxylate N-succinyltransferase (2.3.1.117)	203/01159	. . Acridone synthase (2.3.1.159)
203/01118	. . N-Hydroxyarylamine O-acetyltransferase (2.3.1.118)	203/0116	. . Vinorine synthase (2.3.1.160)
203/01119	. . Icosanoyl-CoA synthase (2.3.1.119)	203/01161	. . Lovastatin nonaketide synthase (2.3.1.161)
203/01121	. . 1-Alkenylglycerophosphoethanolamine O-acyltransferase (2.3.1.121)	203/01162	. . Taxadien-5-alpha-ol O-acetyltransferase (2.3.1.162)
203/01122	. . Trehalose O-mycolyltransferase (2.3.1.122)	203/01163	. . 10-Hydroxytaxane O-acetyltransferase (2.3.1.163)
203/01123	. . Dolichol O-acyltransferase (2.3.1.123)	203/01164	. . Isopenicillin-N N-acyltransferase (2.3.1.164)
203/01125	. . 1-Alkyl-2-acetylgllycerol O-acyltransferase (2.3.1.125)	203/01165	. . 6-Methylsalicylic acid synthase (2.3.1.165)
203/01126	. . Isocitrate O-dihydroxycinnamoyltransferase (2.3.1.126)	203/01166	. . 2-Alpha-hydroxytaxane 2-O-benzoyltransferase (2.3.1.166)
203/01127	. . Ornithine N-benzoyltransferase (2.3.1.127)	203/01167	. . 10-Deacetylbaaccatin III 10-O-acetyltransferase (2.3.1.167)
203/01128	. . Ribosomal-protein-alanine N-acetyltransferase (2.3.1.128)	203/01168	. . Dihydrolipoyllysine-residue (2-methylpropanoyl)transferase (2.3.1.168)
203/01129	. . Acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase (2.3.1.129)	203/01169	. . CO-Methylating acetyl-CoA synthase (2.3.1.169)
203/0113	. . Galactarate O-hydroxycinnamoyltransferase (2.3.1.130)	203/0117	. . 6'-Deoxychalcone synthase (2.3.1.170)
203/01131	. . Glucarate O-hydroxycinnamoyltransferase (2.3.1.131)	203/01171	. . Anthocyanin 6"-O-malonyltransferase (2.3.1.171)
203/01132	. . Glucarolactone O-hydroxycinnamoyltransferase (2.3.1.132)	203/01172	. . Anthocyanin 5-O-glucoside 6"-O-malonyltransferase (2.3.1.172)
203/01133	. . Shikimate O-hydroxycinnamoyltransferase (2.3.1.133)	203/01173	. . Flavonol-3-O-triglucoside O-coumaroyltransferase (2.3.1.173)
203/01134	. . Galactolipid O-acyltransferase (2.3.1.134)	203/01174	. . 3-Oxoadipyl-CoA thiolase (2.3.1.174)
203/01135	. . Phosphatidylcholine--retinol O-acyltransferase (2.3.1.135)	203/01175	. . Deacetylcephalosporin-C acetyltransferase (2.3.1.175)
203/01136	. . Polysialic-acid O-acetyltransferase (2.3.1.136)	203/01176	. . Propanoyl-CoA C-acyltransferase (2.3.1.176)
203/01137	. . Carnitine O-octanoyltransferase (2.3.1.137)	203/01177	. . 3,5-Dihydroxybiphenyl synthase (2.3.1.177)
203/01138	. . Putrescine N-hydroxycinnamoyltransferase (2.3.1.138)	203/01178	. . Diaminobutyrate acetyltransferase (2.3.1.178)
203/01139	. . Ecdysone O-acyltransferase (2.3.1.139)	203/01179	. . Beta-ketoacyl-acyl-carrier-protein synthase II (2.3.1.179)
203/0114	. . Rosmarinate synthase (2.3.1.140)	203/0118	. . Beta-ketoacyl-acyl-carrier-protein synthase III (2.3.1.180)
203/01141	. . Galactosylacylglycerol O-acyltransferase (2.3.1.141)	203/01181	. . Lipoyl(octanoyl) transferase (2.3.1.181)
203/01142	. . Glycoprotein O-fatty-acyltransferase (2.3.1.142)	203/01182	. . (R)-Citramalate synthase (2.3.1.182)
203/01143	. . Beta-glucogallin--tetrakisgalloylglucose O-galloyltransferase (2.3.1.143)	203/01183	. . Phosphinothricin acetyltransferase (2.3.1.183)
203/01144	. . Anthranilate N-benzoyltransferase (2.3.1.144)	203/01184	. . Acyl-homoserine-lactone synthase (2.3.1.184)
203/01145	. . Piperidine N-piperoyltransferase (2.3.1.145)	203/01185	. . Tropine acyltransferase (2.3.1.185)
203/01146	. . Pinosylvin synthase (2.3.1.146)	203/01186	. . Pseudotropine acyltransferase (2.3.1.186)
203/01147	. . Glycerophospholipid arachidonoyl-transferase (CoA-independent) (2.3.1.147)	203/01187	. . Acetyl-S-ACP:malonate ACP transferase (2.3.1.187)
203/01148	. . Glycerophospholipid acyltransferase (CoA-dependent) (2.3.1.148)	203/01188	. . Omega-hydroxypalmitate O-feruloyl transferase (2.3.1.188)
203/01149	. . Platelet-activating factor acetyltransferase (2.3.1.149)	203/01189	. . Mycothiol synthase (2.3.1.189)
203/0115	. . Salutaridinol 7-O-acetyltransferase (2.3.1.150)	203/0119	. . Acetoin dehydrogenase (2.3.1.190)
203/01151	. . Benzophenone synthase (2.3.1.151)	203/01191	. . UDP-3-O-(3-hydroxymyristoyl)glucosamine N-acyltransferase (2.3.1.191)
203/01152	. . Alcohol O-cinnamoyltransferase (2.3.1.152)	203/01192	. . Glycine N-phenylacetyltransferase (2.3.1.192)
203/01153	. . Anthocyanin 5-aromatic acyltransferase (2.3.1.153)	203/01193	. . tRNA(Met) cytidine acetyltransferase (2.3.1.193)
203/01154	. . Propionyl-CoA C(2)-trimethyltridecanoyltransferase (2.3.1.154)	203/01194	. . Acetoacetyl-CoA synthase (2.3.1.194)
203/01155	. . Acetyl-CoA C-myristoyltransferase (2.3.1.155)	203/01195	. . (Z)-3-Hexen-1-ol acetyltransferase (2.3.1.195)
		203/01196	. . Benzyl alcohol O-benzoyltransferase (2.3.1.196)
		203/01197	. . dTDP-3-amino-3,6-dideoxy-alpha-D-galactopyranose 3-N-acetyltransferase (2.3.1.197)
		203/01198	. . Glycerol-3-phosphate 2-O-acyltransferase (2.3.1.198)
		203/01199	. . Very-long-chain 3-oxoacyl-CoA synthase (2.3.1.199)
		203/012	. . Lipoyl amidotransferase (2.3.1.200)

- 203/01201 . . UDP-2-acetamido-3-amino-2,3-dideoxy-glucuronate N-acetyltransferase (2.3.1.201)
- 203/01202 . . UDP-4-amino-4,6-dideoxy-N-acetyl-beta-L-altrosamine N-acetyltransferase (2.3.1.202)
- 203/01203 . . UDP-4-amino-4,6-dideoxy-N-acetyl-alpha-D-glucosamine N-acetyltransferase (2.3.1.203)
- 203/01204 . . Octanoyl-[GcvH]:protein N-octanoyltransferase (2.3.1.204)
- 203/01205 . . Fumigaclavine B O-acetyltransferase (2.3.1.205)
- 203/01206 . . 3,5,7-Trioxododecanoyl-CoA synthase (2.3.1.206)
- 203/01207 . . Beta-ketodecanoyl-[acyl-carrier-protein] synthase (2.3.1.207)
- 203/01208 . . 4-Hydroxycoumarin synthase (2.3.1.208)
- 203/01209 . . dTDP-4-amino-4,6-dideoxy-D-glucose acyltransferase (2.3.1.209)
- 203/0121 . . dTDP-4-amino-4,6-dideoxy-D-galactose acyltransferase (2.3.1.210)
- 203/02 . . Aminoacyltransferases (2.3.2)
- 203/02001 . . D-Glutamyltransferase (2.3.2.1)
- 203/02002 . . Gamma-glutamyltransferase (2.3.2.2)
- 203/02003 . . Lysyltransferase (2.3.2.3)
- 203/02004 . . Gamma-glutamylcyclotransferase (2.3.2.4)
- 203/02005 . . Glutaminyl-peptide cyclotransferase (2.3.2.5)
- 203/02006 . . Leucyltransferase (2.3.2.6)
- 203/02007 . . Aspartyltransferase (2.3.2.7)
- 203/02008 . . Arginyltransferase (2.3.2.8)
- 203/02009 . . Agaritine gamma-glutamyltransferase (2.3.2.9)
- 203/0201 . . UDP-N-acetylmuramoylpentapeptide-lysine N6-alanyltransferase (2.3.2.10)
- 203/02011 . . Alanylphosphatidylglycerol synthase (2.3.2.11)
- 203/02012 . . Peptidyltransferase (2.3.2.12)
- 203/02013 . . Protein-glutamine gamma-glutamyltransferase (2.3.2.13), i.e. transglutaminase or factor XIII
- 203/02014 . . D-Alanine gamma-glutamyltransferase (2.3.2.14)
- 203/02015 . . Glutathione gamma-glutamylcysteinyltransferase (2.3.2.15), i.e. phytochelatin synthase
- 203/02016 . . Lipid II:glycine glycytransferase (2.3.2.16)
- 203/02017 . . N-Acetylmuramoyl-L-alanyl-D-glutamyl-L-lysyl-(N6-glycyl)-D-alanyl-D-alanine-diphosphoundecaprenyl-N-acetylglucosamine:glycin (2.3.2.17)
- 203/02018 . . N-Acetylmuramoyl-L-alanyl-D-glutamyl-L-lysyl-(N6-triglycine)-D-alanyl-D-alanine-diphosphoundecaprenyl-N-acetylglucosamine:glycin (2.3.2.18)
- 203/02019 . . Ribostamycin:4-(gamma-L-glutamylamino)-(S)-2-hydroxybutanoyl-[BtrI acyl-carrier protein] 4-(gamma-L-glutamylamino)-(S)-2-hydroxybutanoate transferase (2.3.2.19)
- 203/03 . . Acyl groups converted into alkyl on transfer (2.3.3)
- 203/03001 . . Citrate (Si)-synthase (2.3.3.1)
- 203/03002 . . Decylcitrate synthase (2.3.3.2)
- 203/03003 . . Citrate (Re)-synthase (2.3.3.3)
- 203/03004 . . Decylhomocitrate synthase (2.3.3.4)
- 203/03005 . . 2-Methylcitrate synthase (2.3.3.5)
- 203/03006 . . 2-Ethylmalate synthase (2.3.3.6)
- 203/03007 . . 3-Ethylmalate synthase (2.3.3.7)
- 203/03008 . . ATP citrate synthase (2.3.3.8)
- 203/03009 . . Malate synthase (2.3.3.9)
- 203/0301 . . Hydroxymethylglutaryl-CoA synthase (2.3.3.10)
- 203/03011 . . 2-Hydroxyglutarate synthase (2.3.3.11)
- 203/03012 . . 3-Propylmalate synthase (2.3.3.12)
- 203/03013 . . 2-Isopropylmalate synthase (2.3.3.13)
- 203/03014 . . Homocitrate synthase (2.3.3.14)
- 203/03015 . . Sulfoacetaldehyde acetyltransferase (2.3.3.15)
- 204/00 Glycosyltransferases (2.4)**
- 204/01 . . Hexosyltransferases (2.4.1)
- 204/01001 . . Phosphorylase (2.4.1.1)
- 204/01002 . . Dextrin dextranase (2.4.1.2)
- 204/01004 . . Amylosucrase (2.4.1.4)
- 204/01005 . . Dextranucrase (2.4.1.5)
- 204/01007 . . Sucrose phosphorylase (2.4.1.7)
- 204/01008 . . Maltose phosphorylase (2.4.1.8)
- 204/01009 . . Inulosucrase (2.4.1.9)
- 204/0101 . . Levansucrase (2.4.1.10)
- 204/01011 . . Glycogen(starch) synthase (2.4.1.11)
- 204/01012 . . Cellulose synthase (UDP-forming) (2.4.1.12)
- 204/01013 . . Sucrose synthase (2.4.1.13)
- 204/01014 . . Sucrose-phosphate synthase (2.4.1.14)
- 204/01015 . . Alpha,alpha-trehalose-phosphate synthase (UDP-forming) (2.4.1.15)
- 204/01016 . . Chitin synthase (2.4.1.16)
- 204/01017 . . Glucuronosyltransferase (2.4.1.17)
- 204/01018 . . 1,4-Alpha-glucan branching enzyme (2.4.1.18), i.e. glucan branching enzyme
- 204/01019 . . Cyclomaltodextrin glucanotransferase (2.4.1.19)
- 204/0102 . . Cellobiose phosphorylase (2.4.1.20)
- 204/01021 . . Starch synthase (2.4.1.21)
- 204/01022 . . Lactose synthase (2.4.1.22)
- 204/01023 . . Sphingosine beta-galactosyltransferase (2.4.1.23)
- 204/01024 . . 1,4-Alpha-glucan 6-alpha-glucosyltransferase (2.4.1.24)
- 204/01025 . . 4-Alpha-glucanotransferase (2.4.1.25)
- 204/01026 . . DNA alpha-glucosyltransferase (2.4.1.26)
- 204/01027 . . DNA beta-glucosyltransferase (2.4.1.27)
- 204/01028 . . Glucosyl-DNA beta-glucosyltransferase (2.4.1.28)
- 204/01029 . . Cellulose synthase (GDP-forming) (2.4.1.29)
- 204/0103 . . 1,3-Beta-oligoglucan phosphorylase (2.4.1.30)
- 204/01031 . . Laminaribiose phosphorylase (2.4.1.31)
- 204/01032 . . Glucomannan 4-beta-mannosyltransferase (2.4.1.32)
- 204/01033 . . Alginate synthase (2.4.1.33)
- 204/01034 . . 1,3-Beta-glucan synthase (2.4.1.34)
- 204/01035 . . Phenol beta-glucosyltransferase (2.4.1.35)
- 204/01036 . . Alpha,alpha-trehalose-phosphate synthase (GDP-forming) (2.4.1.36)
- 204/01037 . . Fucosylgalactoside 3-alpha-galactosyltransferase (2.4.1.37)
- 204/01038 . . Beta-N-acetylglucosaminylglycopeptide beta-1,4-galactosyltransferase (2.4.1.38)
- 204/01039 . . Steroid N-acetylglucosaminyltransferase (2.4.1.39)
- 204/0104 . . Glycoprotein-fucosylgalactoside alpha-N-acetylglucosaminyltransferase (2.4.1.40)
- 204/01041 . . Polypeptide N-acetylglactosaminyltransferase (2.4.1.41)
- 204/01043 . . Polygalacturonate 4-alpha-galacturonosyltransferase (2.4.1.43)
- 204/01044 . . Lipopolysaccharide 3-alpha-galactosyltransferase (2.4.1.44)
- 204/01045 . . 2-Hydroxyacylsphingosine 1-beta-galactosyltransferase (2.4.1.45)
- 204/01046 . . Monogalactosyldiacylglycerol synthase (2.4.1.46)

204/01047	. . N-Acylsphingosine galactosyltransferase (2.4.1.47)	204/01092	. . (N-acetylneuraminy)-galactosylglucosylceramide N-acetylglucosaminyltransferase (2.4.1.92)
204/01048	. . Heteroglycan alpha-mannosyltransferase (2.4.1.48)	204/01094	. . Protein N-acetylglucosaminyltransferase (2.4.1.94)
204/01049	. . Cellodextrin phosphorylase (2.4.1.49)	204/01095	. . Bilirubin-glucuronoside glucuronosyltransferase (2.4.1.95)
204/0105	. . Procollagen galactosyltransferase (2.4.1.50)	204/01096	. . sn-Glycerol-3-phosphate 1-galactosyltransferase (2.4.1.96)
204/01051	. . UDP-N-acetylglucosamine-glycoprotein N-acetylglucosaminyltransferase (2.4.1.51) (C12Y 204/01101 , C12Y 204/01143 - C12Y 204/01145 take precedence)	204/01097	. . 1,3-Beta-D-glucan phosphorylase (2.4.1.97)
204/01052	. . Poly(glycerol-phosphate) alpha-glucosyltransferase (2.4.1.52)	204/01099	. . Sucrose:sucrose fructosyltransferase (2.4.1.99)
204/01053	. . Poly(ribitol-phosphate) beta-glucosyltransferase (2.4.1.53)	204/011	. . 2,1-Fructan:2,1-fructan 1-fructosyltransferase (2.4.1.100)
204/01054	. . Undecaprenyl-phosphate mannosyltransferase (2.4.1.54)	204/01101	. . Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase (2.4.1.101)
204/01056	. . Lipopolysaccharide N-acetylglucosaminyltransferase (2.4.1.56)	204/01102	. . Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase (2.4.1.102)
204/01057	. . Phosphatidylinositol alpha-mannosyltransferase (2.4.1.57)	204/01103	. . Alizarin 2-beta-glucosyltransferase (2.4.1.103)
204/01058	. . Lipopolysaccharide glucosyltransferase I (2.4.1.58)	204/01104	. . o-Dihydroxycoumarin 7-O-glucosyltransferase (2.4.1.104)
204/0106	. . Abequosyltransferase (2.4.1.60)	204/01105	. . Vitexin beta-glucosyltransferase (2.4.1.105)
204/01062	. . Ganglioside galactosyltransferase (2.4.1.62)	204/01106	. . Isovitexin beta-glucosyltransferase (2.4.1.106)
204/01063	. . Linamarin synthase (2.4.1.63)	204/01109	. . Dolichyl-phosphate-mannose-protein mannosyltransferase (2.4.1.109)
204/01064	. . Alpha,alpha-trehalose phosphorylase (2.4.1.64)	204/0111	. . tRNA-queuosine beta-mannosyltransferase (2.4.1.110)
204/01065	. . 3-Galactosyl-N-acetylglucosaminide 4-alpha-L-fucosyltransferase (2.4.1.65), i.e. alpha-1-3 fucosyltransferase	204/01111	. . Coniferyl-alcohol glucosyltransferase (2.4.1.111)
204/01066	. . Procollagen glucosyltransferase (2.4.1.66)	204/01113	. . Alpha-1,4-glucan-protein synthase (ADP-forming) (2.4.1.113)
204/01067	. . Galactinol--raffinose galactosyltransferase (2.4.1.67)	204/01114	. . 2-Coumarate O-beta-glucosyltransferase (2.4.1.114)
204/01068	. . Glycoprotein 6-alpha-L-fucosyltransferase (2.4.1.68), i.e. FUT8	204/01115	. . Anthocyanidin 3-O-glucosyltransferase (2.4.1.115)
204/01069	. . Galactoside 2-alpha-L-fucosyltransferase (2.4.1.69)	204/01116	. . Cyanidin 3-O-rutinoside 5-O-glucosyltransferase (2.4.1.116)
204/0107	. . Poly(ribitol-phosphate) N-acetylglucosaminyltransferase (2.4.1.70)	204/01117	. . Dolichyl-phosphate beta-glucosyltransferase (2.4.1.117)
204/01071	. . Arylamine glucosyltransferase (2.4.1.71)	204/01118	. . Cytokinin 7-beta-glucosyltransferase (2.4.1.118)
204/01073	. . Lipopolysaccharide glucosyltransferase II (2.4.1.73)	204/0112	. . Sinapate 1-glucosyltransferase (2.4.1.120)
204/01074	. . Glycosaminoglycan galactosyltransferase (2.4.1.74)	204/01121	. . Indole-3-acetate beta-glucosyltransferase (2.4.1.121)
204/01078	. . Phosphopolyprenol glucosyltransferase (2.4.1.78)	204/01122	. . Glycoprotein-N-acetylglucosamine 3-beta-galactosyltransferase (2.4.1.122)
204/01079	. . Globotriaosylceramide 3-beta-N-acetylglucosaminyltransferase (2.4.1.79)	204/01123	. . Inositol 3-alpha-galactosyltransferase (2.4.1.123), i.e. galactinol-synthase
204/0108	. . Ceramide glucosyltransferase (2.4.1.80)	204/01125	. . Sucrose--1,6-alpha-glucan 3(6)-alpha-glucosyltransferase (2.4.1.125)
204/01081	. . Flavone 7-O-beta-glucosyltransferase (2.4.1.81)	204/01126	. . Hydroxycinnamate 4-beta-glucosyltransferase (2.4.1.126)
204/01082	. . Galactinol--sucrose galactosyltransferase (2.4.1.82)	204/01127	. . Monoterpenol beta-glucosyltransferase (2.4.1.127)
204/01083	. . Dolichyl-phosphate beta-D-mannosyltransferase (2.4.1.83)	204/01128	. . Scopoletin glucosyltransferase (2.4.1.128)
204/01085	. . Cyanohydrin beta-glucosyltransferase (2.4.1.85)	204/01129	. . Peptidoglycan glycosyltransferase (2.4.1.129)
204/01086	. . Glucosaminylgalactosylglucosylceramide beta-galactosyltransferase (2.4.1.86)	204/0113	. . Dolichyl-phosphate-mannose-glycolipid alpha-mannosyltransferase (2.4.1.130) (C12Y 204/01258 - C12Y 204/01261 take precedence)
204/01087	. . N-Acetylglucosaminide 3-alpha-galactosyltransferase (2.4.1.87), i.e. alpha-1,3-galactosyltransferase	204/01131	. . GDP-Man:Man3GlcNAc2-PP-dolichol alpha-1,2-mannosyltransferase (2.4.1.131)
204/01088	. . Globoside alpha-N-acetylglucosaminyltransferase (2.4.1.88)	204/01132	. . GDP-Man:Man1GlcNAc2-PP-dolichol alpha-1,3-mannosyltransferase (2.4.1.132)
204/0109	. . N-Acetylglucosamine synthase (2.4.1.90)	204/01133	. . Xylosylprotein 4-beta-galactosyltransferase (2.4.1.133)
204/01091	. . Flavonol 3-O-glucosyltransferase (2.4.1.91)		

204/01134	Galactosylxylosylprotein 3-beta-galactosyltransferase (2.4.1.134)	204/01166	Raffinose--raffinose alpha-galactosyltransferase (2.4.1.166)
204/01135	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase (2.4.1.135)	204/01167	Sucrose 6F-alpha-galactosyltransferase (2.4.1.167)
204/01136	Gallate 1-beta-glucosyltransferase (2.4.1.136)	204/01168	Xyloglucan 4-glucosyltransferase (2.4.1.168)
204/01137	sn-Glycerol-3-phosphate 2-alpha-galactosyltransferase (2.4.1.137)	204/0117	Isoflavone 7-O-glucosyltransferase (2.4.1.170)
204/01138	Mannotetraose 2-alpha-N-acetylglucosaminyltransferase (2.4.1.138)	204/01171	Methyl-ONN-azoxymethanol beta-D-glucosyltransferase (2.4.1.171)
204/01139	Maltose synthase (2.4.1.139)	204/01172	Salicyl-alcohol beta-D-glucosyltransferase (2.4.1.172)
204/0114	Alternansucrase (2.4.1.140)	204/01173	Sterol 3-beta-glucosyltransferase (2.4.1.173)
204/01141	N-Acetylglucosaminylidiphosphodolichol N-acetylglucosaminyltransferase (2.4.1.141)	204/01174	Glucuronylgalactosylproteoglycan 4-beta-N-acetylglactosaminyltransferase (2.4.1.174), i.e. chondroitin sulfate N-acetylglactosaminyltransferase-1
204/01142	Chitobiosyldiphosphodolichol beta-mannosyltransferase (2.4.1.142)	204/01175	Glucuronosyl-N-acetylglactosaminylproteoglycan 4-beta-N-acetylglactosaminyltransferase II (2.4.1.175)
204/01143	Alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase (2.4.1.143)	204/01176	Gibberellin beta-D-glucosyltransferase (2.4.1.176)
204/01144	Beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase (2.4.1.144)	204/01177	Cinnamate beta-D-glucosyltransferase (2.4.1.177)
204/01145	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase (2.4.1.145)	204/01178	Hydroxymandelonitrile glucosyltransferase (2.4.1.178)
204/01146	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,3-N-acetylglucosaminyltransferase (2.4.1.146)	204/01179	Lactosylceramide beta-1,3-galactosyltransferase (2.4.1.179)
204/01147	Acetylglactosaminyl-O-glycosyl-glycoprotein beta-1,3-N-acetylglucosaminyltransferase (2.4.1.147)	204/0118	Lipopolysaccharide N-acetylmannosaminouronosyltransferase (2.4.1.180)
204/01148	Acetylglactosaminyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase (2.4.1.148)	204/01181	Hydroxyanthraquinone glucosyltransferase (2.4.1.181)
204/01149	N-Acetylglucosaminide beta-1,3-N-acetylglucosaminyltransferase (2.4.1.149)	204/01182	Lipid-A-disaccharide synthase (2.4.1.182)
204/0115	N-Acetylglucosaminide beta-1,6-N-acetylglucosaminyltransferase (2.4.1.150)	204/01183	Alpha-1,3-glucan synthase (2.4.1.183)
204/01152	4-Galactosyl-N-acetylglucosaminide 3-alpha-L-fucosyltransferase (2.4.1.152)	204/01184	Galactolipid galactosyltransferase (2.4.1.184)
204/01153	Dolichyl-phosphate alpha-N-acetylglucosaminyltransferase (2.4.1.153)	204/01185	Flavanone 7-O-beta-glucosyltransferase (2.4.1.185)
204/01155	Alpha-1,6-mannosyl-glycoprotein 6-beta-N-acetylglucosaminyltransferase (2.4.1.155)	204/01186	Glycogenin glucosyltransferase (2.4.1.186)
204/01156	Indolylacetyl-myo-inositol galactosyltransferase (2.4.1.156)	204/01187	N-Acetylglucosaminylidiphosphoundecaprenol N-acetyl-beta-D-mannosaminyltransferase (2.4.1.187)
204/01157	1,2-Diacylglycerol 3-glucosyltransferase (2.4.1.157)	204/01188	N-Acetylglucosaminylidiphosphoundecaprenol glucosyltransferase (2.4.1.188)
204/01158	13-Hydroxydocosanoate 13-beta-glucosyltransferase (2.4.1.158)	204/01189	Luteolin 7-O-glucuronosyltransferase (2.4.1.189)
204/01159	Flavonol-3-O-glucoside L-rhamnosyltransferase (2.4.1.159)	204/0119	Luteolin-7-O-glucuronide 2"-O-glucuronosyltransferase (2.4.1.190)
204/0116	Pyridoxine 5'-O-beta-D-glucosyltransferase (2.4.1.160)	204/01191	Luteolin-7-O-diglucuronide 4'-O-glucuronosyltransferase (2.4.1.191)
204/01161	Oligosaccharide 4-alpha-D-glucosyltransferase (2.4.1.161)	204/01192	Nuatigenin 3-beta-glucosyltransferase (2.4.1.192)
204/01162	Aldose beta-D-fructosyltransferase (2.4.1.162)	204/01193	Sarsapogenin 3-beta-glucosyltransferase (2.4.1.193)
204/01163	Beta-galactosyl-N-acetylglucosaminylgalactosylglucosyl-ceramide beta-1,3-acetylglucosaminyltransferase (2.4.1.163)	204/01194	4-Hydroxybenzoate 4-O-beta-D-glucosyltransferase (2.4.1.194)
204/01164	Galactosyl-N-acetylglucosaminylgalactosylglucosyl-ceramide beta-1,6-N-acetylglucosaminyltransferase (2.4.1.164)	204/01195	N-Hydroxythioamide S-beta-glucosyltransferase (2.4.1.195)
204/01165	N-Acetylneuraminylgalactosylglucosylceramide beta-1,4-N-acetylglactosaminyltransferase (2.4.1.165)	204/01196	Nicotinate glucosyltransferase (2.4.1.196)
		204/01197	High-mannose-oligosaccharide beta-1,4-N-acetylglucosaminyltransferase (2.4.1.197)
		204/01198	Phosphatidylinositol N-acetylglucosaminyltransferase (2.4.1.198)
		204/01199	Beta-mannosylphosphodecaprenol--mannooligosaccharide 6-mannosyltransferase (2.4.1.199)
		204/01201	Alpha-1,6-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase (2.4.1.201)

- 204/01202 . . 2,4-Dihydroxy-7-methoxy-2H-1,4-benzoxazin-3(4H)-one 2-D-glucosyltransferase (2.4.1.202)
- 204/01203 . . Trans-zeatin O-beta-D-glucosyltransferase (2.4.1.203)
- 204/01205 . . Galactogen 6-beta-galactosyltransferase (2.4.1.205)
- 204/01206 . . Lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase (2.4.1.206)
- 204/01207 . . Xyloglucan:xyloglucosyl transferase (2.4.1.207)
- 204/01208 . . Diglucosyl diacylglycerol synthase (2.4.1.208)
- 204/01209 . . Cis-p-coumarate glucosyltransferase (2.4.1.209)
- 204/0121 . . Limonoid glucosyltransferase (2.4.1.210)
- 204/01211 . . 1,3-Beta-galactosyl-N-acetylhexosamine phosphorylase (2.4.1.211)
- 204/01212 . . Hyaluronan synthase (2.4.1.212)
- 204/01213 . . Glucosylglycerol-phosphate synthase (2.4.1.213)
- 204/01214 . . Glycoprotein 3-alpha-L-fucosyltransferase (2.4.1.214)
- 204/01215 . . Cis-zeatin O-beta-D-glucosyltransferase (2.4.1.215)
- 204/01216 . . Trehalose 6-phosphate phosphorylase (2.4.1.216)
- 204/01217 . . Mannosyl-3-phosphoglycerate synthase (2.4.1.217)
- 204/01218 . . Hydroquinone glucosyltransferase (2.4.1.218)
- 204/01219 . . Vomilenine glucosyltransferase (2.4.1.219)
- 204/0122 . . Indoxyl-UDPG glucosyltransferase (2.4.1.220)
- 204/01221 . . Peptide-O-fucosyltransferase (2.4.1.221)
- 204/01222 . . O-Fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (2.4.1.222)
- 204/01223 . . Glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase (2.4.1.223)
- 204/01224 . . Glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase (2.4.1.224)
- 204/01225 . . N-Acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase (2.4.1.225)
- 204/01226 . . N-Acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase (2.4.1.226), i.e. chondroitin sulfate glucuronyltransferase
- 204/01227 . . Undecaprenyldiphospho-muramoylpentapeptide beta-N-acetylglucosaminyltransferase (2.4.1.227)
- 204/01228 . . Lactosylceramide 4-alpha-galactosyltransferase (2.4.1.228)
- 204/01229 . . [SklP-protein]-hydroxyproline N-acetylglucosaminyltransferase (2.4.1.229)
- 204/0123 . . Kojibiose phosphorylase (2.4.1.230)
- 204/01231 . . Alpha,alpha-trehalose phosphorylase (configuration-retaining) (2.4.1.231)
- 204/01232 . . Initiation-specific alpha-1,6-mannosyltransferase (2.4.1.232)
- 204/01234 . . Kaempferol 3-O-galactosyltransferase (2.4.1.234)
- 204/01236 . . Flavanone 7-O-glucoside 2"-O-beta-L-rhamnosyltransferase (2.4.1.236)
- 204/01237 . . Flavonol 7-O-beta-glucosyltransferase (2.4.1.237)
- 204/01238 . . Anthocyanin 3'-O-beta-glucosyltransferase (2.4.1.238)
- 204/01239 . . Flavonol-3-O-glucoside glucosyltransferase (2.4.1.239)
- 204/0124 . . Flavonol-3-O-glycoside glucosyltransferase (2.4.1.240)
- 204/01241 . . Digalactosyldiacylglycerol synthase (2.4.1.241)
- 204/01242 . . NDP-glucose--starch glucosyltransferase (2.4.1.242)
- 204/01243 . . 6G-Fructosyltransferase (2.4.1.243)
- 204/01244 . . N-Acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase (2.4.1.244)
- 204/01245 . . Alpha,alpha-trehalose synthase (2.4.1.245)
- 204/01246 . . Mannosylfructose-phosphate synthase (2.4.1.246)
- 204/01247 . . Beta-D-galactosyl-(1->4)-L-rhamnose phosphorylase (2.4.1.247)
- 204/01248 . . Cycloisomaltooligosaccharide glucanotransferase (2.4.1.248)
- 204/01249 . . Delphinidin 3',5'-O-glucosyltransferase (2.4.1.249)
- 204/0125 . . D-Inositol-3-phosphate glycosyltransferase (2.4.1.250)
- 204/01251 . . GlcA-beta-(1->2)-D-Man-alpha-(1->3)-D-Glc-beta-(1->4)-D-Glc-alpha-1-diphosphoundecaprenol 4-beta-mannosyltransferase (2.4.1.251)
- 204/01252 . . GDP-mannose:cellobiosyl-diphosphopolyprenol alpha-mannosyltransferase (2.4.1.252)
- 204/01253 . . Baicalein 7-O-glucuronosyltransferase (2.4.1.253)
- 204/01254 . . Cyanidin-3-O-glucoside 2-O-glucuronosyltransferase (2.4.1.254)
- 204/01255 . . Protein O-GlcNAc transferase (2.4.1.255)
- 204/01256 . . Dolichyl-P-Glc:Glc2Man9GlcNAc2-PP-dolichol alpha-1,2-glucosyltransferase (2.4.1.256)
- 204/01257 . . GDP-Man:Man2GlcNAc2-PP-dolichol alpha-1,6-mannosyltransferase (2.4.1.257)
- 204/01258 . . Dolichyl-P-Man:Man5GlcNAc2-PP-dolichol alpha-1,3-mannosyltransferase (2.4.1.258)
- 204/01259 . . Dolichyl-P-Man:Man6GlcNAc2-PP-dolichol alpha-1,2-mannosyltransferase (2.4.1.259)
- 204/0126 . . Dolichyl-P-Man:Man7GlcNAc2-PP-dolichol alpha-1,6-mannosyltransferase (2.4.1.260)
- 204/01261 . . Dolichyl-P-Man:Man8GlcNAc2-PP-dolichol alpha-1,2-mannosyltransferase (2.4.1.261)
- 204/01262 . . Soyasapogenol glucuronosyltransferase (2.4.1.262)
- 204/01263 . . Abscisate beta-glucosyltransferase (2.4.1.263)
- 204/01264 . . D-Man-alpha-(1->3)-D-Glc-beta-(1->4)-D-Glc-alpha-1-diphosphoundecaprenol 2-beta-glucuronyltransferase (2.4.1.264)
- 204/01265 . . Dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichol alpha-1,3-glucosyltransferase (2.4.1.265)
- 204/01266 . . Glucosyl-3-phosphoglycerate synthase (2.4.1.266)
- 204/01267 . . Dolichyl-P-Glc:Man9GlcNAc2-PP-dolichol alpha-1,3-glucosyltransferase (2.4.1.267)
- 204/01268 . . Glucosylglycerate synthase (2.4.1.268)
- 204/01269 . . Mannosylglycerate synthase (2.4.1.269)
- 204/0127 . . Mannosylglucosyl-3-phosphoglycerate synthase (2.4.1.270)
- 204/01271 . . Crocetin glucosyltransferase (2.4.1.271)
- 204/01272 . . Soyasapogenol B glucuronide galactosyltransferase (2.4.1.272)
- 204/01273 . . Soyasaponin III rhamnosyltransferase (2.4.1.273)
- 204/01274 . . Glucosylceramide beta-1,4-galactosyltransferase (2.4.1.274)
- 204/01275 . . Lactotriaosylceramide beta-1,4-galactosyltransferase (2.4.1.275)
- 204/01276 . . Zeaxanthin glucosyltransferase (2.4.1.276)
- 204/01277 . . Glycosyltransferase DesVII (2.4.1.277)
- 204/01278 . . Desosaminyl transferase EryCIII (2.4.1.278)

204/01279	. . Nigerose phosphorylase (2.4.1.279)	204/02025	. . Flavone apiosyltransferase (2.4.2.25)
204/0128	. . N,N'-Diacetylchitobiose phosphorylase (2.4.1.280)	204/02026	. . Protein xylosyltransferase (2.4.2.26)
204/01281	. . 4-O-Beta-D-mannosyl-D-glucose phosphorylase (2.4.1.281)	204/02027	. . dTDP-dihydrostreptose--streptidine-6-phosphate dihydrostreptosyltransferase (2.4.2.27)
204/01282	. . 3-O-Alpha-D-glucosyl-L-rhamnose phosphorylase (2.4.1.282)	204/02028	. . S-Methyl-5'-thioadenosine phosphorylase (2.4.2.28)
204/01283	. . 2-Deoxystreptamine N-acetyl-D-glucosaminyltransferase (2.4.1.283)	204/02029	. . tRNA-guanosine34 transglycosylase (2.4.2.29)
204/01284	. . 2-Deoxystreptamine glucosyltransferase (2.4.1.284)	204/0203	. . NAD+ ADP-ribosyltransferase (2.4.2.30), i.e. tankyrase or poly(ADP-ribose) polymerase
204/01285	. . UDP-GlcNAc:ribostamycin N-acetylglucosaminyltransferase (2.4.1.285)	204/02031	. . NAD+-protein-arginine ADP-ribosyltransferase (2.4.2.31)
204/01286	. . Chalcone 4'-O-glucosyltransferase (2.4.1.286)	204/02032	. . Dolichyl-phosphate D-xylosyltransferase (2.4.2.32)
204/01287	. . Rhamnopyranosyl-N-acetylglucosaminyl-diphospho-decaprenol beta-1,3/1,4-galactofuranosyltransferase (2.4.1.287)	204/02033	. . Dolichyl-xylosyl-phosphate--protein xylosyltransferase (2.4.2.33)
204/01288	. . Galactofuranosylgalactofuranosylrhamnosyl-N-acetylglucosaminyl-diphospho-decaprenol beta-1,5/1,6-galactofuranosyltransferase (2.4.1.288)	204/02034	. . Indolylacetylinositol arabinosyltransferase (2.4.2.34)
204/01289	. . N-Acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase (2.4.1.289)	204/02035	. . Flavonol-3-O-glycoside xylosyltransferase (2.4.2.35)
204/0129	. . N,N'-Diacetyl bacillosaminyl-diphospho-undecaprenol alpha-1,3-N-acetyl galactosaminyltransferase (2.4.1.290)	204/02036	. . NAD(+)--diphthamide ADP-ribosyltransferase (2.4.2.36)
204/01291	. . N-Acetyl galactosamine-N,N'-diacetyl bacillosaminyl-diphospho-undecaprenol 4-alpha-N-acetyl galactosaminyltransferase (2.4.1.291)	204/02037	. . NAD(+)--dinitrogen-reductase ADP-D-ribosyltransferase (2.4.2.37)
204/01292	. . GalNAc-alpha-(1→4)-GalNAc-alpha-(1→3)-diNAcBac-PP-undecaprenol alpha-1,4-N-acetyl-D-galactosaminyltransferase (2.4.1.292)	204/02038	. . Glycoprotein 2-beta-D-xylosyltransferase (2.4.2.38)
204/01293	. . GalNAc5-diNAcBac-PP-undecaprenol beta-1,3-glucosyltransferase (2.4.1.293)	204/02039	. . Xyloglucan 6-xylosyltransferase (2.4.2.39)
204/02	. . Pentosyltransferases (2.4.2)	204/0204	. . Zeatin O-beta-D-xylosyltransferase (2.4.2.40)
204/02001	. . Purine-nucleoside phosphorylase (2.4.2.1)	204/02041	. . Xylogalacturonan beta-1,3-xylosyltransferase (2.4.2.41)
204/02002	. . Pyrimidine-nucleoside phosphorylase (2.4.2.2)	204/02042	. . UDP-D-xylose:beta-D-glucoside alpha-1,3-D-xylosyltransferase (2.4.2.42)
204/02003	. . Uridine phosphorylase (2.4.2.3)	204/02043	. . Lipid IVA 4-amino-4-deoxy-L-arabinosyltransferase (2.4.2.43)
204/02004	. . Thymidine phosphorylase (2.4.2.4)	204/02044	. . S-Methyl-5'-thioinosine phosphorylase (2.4.2.44)
204/02005	. . Nucleoside ribosyltransferase (2.4.2.5)	204/02045	. . Decaprenyl-phosphate phosphoribosyltransferase (2.4.2.45)
204/02006	. . Nucleoside deoxyribosyltransferase (2.4.2.6)	204/02046	. . Galactan 5-O-arabinofuranosyltransferase (2.4.2.46)
204/02007	. . Adenine phosphoribosyltransferase (2.4.2.7)	204/02047	. . Arabinofuranan 3-O-arabinosyltransferase (2.4.2.47)
204/02008	. . Hypoxanthine phosphoribosyltransferase (2.4.2.8)	204/02048	. . tRNA-guanine15 transglycosylase (2.4.2.48)
204/02009	. . Uracil phosphoribosyltransferase (2.4.2.9)	204/99	. . transferring other glycosyl groups (2.4.99)
204/0201	. . Orotate phosphoribosyltransferase (2.4.2.10)	204/99001	. . Beta-galactoside alpha-2,6-sialyltransferase (2.4.99.1)
204/02011	. . Nicotinate phosphoribosyltransferase (2.4.2.11)	204/99002	. . Monosialoganglioside sialyltransferase (2.4.99.2)
204/02012	. . Nicotinamide phosphoribosyltransferase (2.4.2.12), i.e. visfatin	204/99003	. . Alpha-N-acetyl galactosaminide alpha-2,6-sialyltransferase (2.4.99.3)
204/02014	. . Amidophosphoribosyltransferase (2.4.2.14)	204/99004	. . Beta-galactoside alpha-2,3-sialyltransferase (2.4.99.4)
204/02015	. . Guanosine phosphorylase (2.4.2.15)	204/99005	. . Galactosyldiacylglycerol alpha-2,3-sialyltransferase (2.4.99.5)
204/02016	. . Urate-ribonucleotide phosphorylase (2.4.2.16)	204/99006	. . N-Acetyl lactosaminide alpha-2,3-sialyltransferase (2.4.99.6)
204/02017	. . ATP phosphoribosyltransferase (2.4.2.17)	204/99007	. . Alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3-N-acetyl galactosaminide 6-alpha-sialyltransferase (2.4.99.7)
204/02018	. . Anthranilate phosphoribosyltransferase (2.4.2.18)	204/99008	. . Alpha-N-acetylneuraminate alpha-2,8-sialyltransferase (2.4.99.8)
204/02019	. . Nicotinate-nucleotide diphosphorylase (carboxylating) (2.4.2.19)	204/99009	. . Lactosylceramide alpha-2,3-sialyltransferase (2.4.99.9)
204/0202	. . Dioxotetrahydropyrimidine phosphoribosyltransferase (2.4.2.20)	204/9901	. . Neolactotetraosylceramide alpha-2,3-sialyltransferase (2.4.99.10)
204/02021	. . Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (2.4.2.21)	204/99011	. . Lactosylceramide alpha-2,6-N-sialyltransferase (2.4.99.11)
204/02022	. . Xanthine phosphoribosyltransferase (2.4.2.22)		
204/02023	. . Deoxyuridine phosphorylase (2.4.2.23)		
204/02024	. . 1,4-Beta-D-xylan synthase (2.4.2.24)		

- 204/99012 . . Lipid IVA 3-deoxy-D-manno-octulosonic acid transferase (2.4.99.12)
- 204/99013 . . (KDO)-lipid IVA 3-deoxy-D-manno-octulosonic acid transferase (2.4.99.13)
- 204/99014 . . (KDO)2-lipid IVA (2-8) 3-deoxy-D-manno-octulosonic acid transferase (2.4.99.14)
- 204/99015 . . (KDO)3-lipid IVA (2-4) 3-deoxy-D-manno-octulosonic acid transferase (2.4.99.15)
- 204/99016 . . Starch synthase (maltosyl-transferring) (2.4.99.16)
- 204/99017 . . S-Adenosylmethionine:tRNA ribosyltransferase-isomerase (2.4.99.17)
- 204/99018 . . Dolichyl-diphosphooligosaccharide—protein glycotransferase (2.4.99.18)
- 204/99019 . . Undecaprenyl-diphosphooligosaccharide—protein glycotransferase (2.4.99.19)
- 205/00 Transferases transferring alkyl or aryl groups, other than methyl groups (2.5)**
- 205/01 . . transferring alkyl or aryl groups, other than methyl groups (2.5.1)
- 205/01001 . . Dimethylallyltranstransferase (2.5.1.1)
- 205/01002 . . Thiamine pyridinylase (2.5.1.2)
- 205/01003 . . Thiamine-phosphate diphosphorylase (2.5.1.3)
- 205/01004 . . Adenosylmethionine cyclotransferase (2.5.1.4)
- 205/01005 . . Galactose-6-sulfurylase (2.5.1.5)
- 205/01006 . . Methionine adenosyltransferase (2.5.1.6), i.e. adenosylmethionine synthetase
- 205/01007 . . UDP-N-acetylglucosamine 1-carboxyvinyltransferase (2.5.1.7)
- 205/01009 . . Riboflavin synthase (2.5.1.9)
- 205/0101 . . (2E,6E)-Farnesyl diphosphate synthase (2.5.1.10), i.e. geranyltranstransferase
- 205/01011 . . Trans-octaprenyltranstransferase (2.5.1.11) ([C12Y 205/01084](#), [C12Y 205/01085 take precedence](#))
- 205/01015 . . Dihydropteroate synthase (2.5.1.15)
- 205/01016 . . Spermidine synthase (2.5.1.16)
- 205/01017 . . Cob(I)yrinic acid a,c-diamide adenosyltransferase (2.5.1.17)
- 205/01018 . . Glutathione transferase (2.5.1.18)
- 205/01019 . . 3-Phosphoshikimate 1-carboxyvinyltransferase (2.5.1.19), i.e. 5-enolpyruvylshikimate-3-phosphate synthase
- 205/0102 . . Rubber cis-polyprenylcistransferase (2.5.1.20)
- 205/01021 . . Squalene synthase (2.5.1.21), i.e. farnesyl-disphosphate farnesyltransferase
- 205/01022 . . Spermine synthase (2.5.1.22)
- 205/01023 . . Sym-norspermidine synthase (2.5.1.23)
- 205/01024 . . Discadenine synthase (2.5.1.24)
- 205/01025 . . tRNA-uridine aminocarboxypropyltransferase (2.5.1.25)
- 205/01026 . . Alkylglycerone-phosphate synthase (2.5.1.26)
- 205/01027 . . Adenylate dimethylallyltransferase (2.5.1.27)
- 205/01028 . . Dimethylallylcistransferase (2.5.1.28)
- 205/01029 . . Geranylgeranyl diphosphate synthase (2.5.1.29)
- 205/0103 . . Heptaprenyl diphosphate synthase (2.5.1.30)
- 205/01031 . . Ditrans,polycis-undecaprenyl-diphosphate synthase [(2E,6E)-farnesyl-diphosphate specific] (2.5.1.31)
- 205/01032 . . 15-Cis-phytoene synthase (2.5.1.32)
- 205/01033 . . Trans-pentaprenyltranstransferase (2.5.1.33) ([C12Y 205/01082](#), [C12Y 205/01083 take precedence](#))
- 205/01034 . . 4-Dimethylallyltryptophan synthase (2.5.1.34)
- 205/01035 . . Aspulvinone dimethylallyltransferase (2.5.1.35)
- 205/01036 . . Trihydroxypterocarpan dimethylallyltransferase (2.5.1.36)
- 205/01038 . . Isonocardicin synthase (2.5.1.38)
- 205/01039 . . 4-Hydroxybenzoate polyprenyltransferase (2.5.1.39)
- 205/01041 . . Phosphoglycerol geranylgeranyltransferase (2.5.1.41)
- 205/01042 . . Geranylgeranylgeranyl-glycerol-phosphate geranylgeranyltransferase (2.5.1.42)
- 205/01043 . . Nicotianamine synthase (2.5.1.43)
- 205/01044 . . Homospermidine synthase (2.5.1.44)
- 205/01045 . . Homospermidine synthase (spermidine-specific) (2.5.1.45)
- 205/01046 . . Deoxyhypusine synthase (2.5.1.46)
- 205/01047 . . Cysteine synthase (2.5.1.47)
- 205/01048 . . Cystathionine gamma-synthase (2.5.1.48)
- 205/01049 . . O-acetylhomoserine aminocarboxypropyltransferase (2.5.1.49)
- 205/0105 . . Zeatin 9-aminocarboxyethyltransferase (2.5.1.50)
- 205/01051 . . Beta-pyrazolylalanine synthase (2.5.1.51)
- 205/01052 . . L-Mimosine synthase (2.5.1.52)
- 205/01053 . . Uracilylalanine synthase (2.5.1.53)
- 205/01054 . . 3-Deoxy-7-phosphoheptulonate synthase (2.5.1.54)
- 205/01055 . . 3-Deoxy-8-phosphooctulonate synthase (2.5.1.55)
- 205/01056 . . N-acetylneuraminate synthase (2.5.1.56)
- 205/01057 . . N-Acylneuraminate-9-phosphate synthase (2.5.1.57)
- 205/01058 . . Protein farnesyltransferase (2.5.1.58)
- 205/01059 . . Protein geranylgeranyltransferase type I (2.5.1.59)
- 205/0106 . . Protein geranylgeranyltransferase type II (2.5.1.60)
- 205/01061 . . Hydroxymethylbilane synthase (2.5.1.61)
- 205/01062 . . Chlorophyll synthase (2.5.1.62)
- 205/01063 . . Adenosyl-fluoride synthase (2.5.1.63)
- 205/01064 . . 2-Succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (2.5.1.64) ([C12Y 202/01009](#), [C12Y 402/9902 take precedence](#))
- 205/01065 . . O-Phosphoserine sulfhydrylase (2.5.1.65)
- 205/01066 . . N2-(2-Carboxyethyl)arginine synthase (2.5.1.66)
- 205/01067 . . Chrysanthemyl diphosphate synthase (2.5.1.67)
- 205/01068 . . (2Z,6E)-Farnesyl diphosphate synthase (2.5.1.68)
- 205/01069 . . Lavandulyl diphosphate synthase (2.5.1.69)
- 205/0107 . . Naringenin 8-dimethylallyltransferase (2.5.1.70)
- 205/01071 . . Leachianone-G 2"-dimethylallyltransferase (2.5.1.71)
- 205/01072 . . Quinolate synthase (2.5.1.72)
- 205/01073 . . O-Phospho-L-seryl-tRNA:Cys-tRNA synthase (2.5.1.73)
- 205/01074 . . 1,4-Dihydroxy-2-naphthoate polyprenyltransferase (2.5.1.74)
- 205/01075 . . tRNA dimethylallyltransferase (2.5.1.75)
- 205/01076 . . Cysteate synthase (2.5.1.76)
- 205/01077 . . 7,8-Didemethyl-8-hydroxy-5-deazariboflavin synthase (2.5.1.77)
- 205/01078 . . 6,7-Dimethyl-8-ribityllumazine synthase (2.5.1.78)
- 205/01079 . . Thermospermine synthase (2.5.1.79)
- 205/0108 . . 7-Dimethylallyltryptophan synthase (2.5.1.80)

205/01081	. . Geranylgeranyl diphosphate synthase (2.5.1.81)	206/01021	. . D-Amino-acid transaminase (2.6.1.21), i.e. D-alanine aminotransferase/transaminase or D-aspartic aminotransferase/transaminase
205/01082	. . Hexaprenyl diphosphate synthase (geranylgeranyl-diphosphate specific)(2.5.1.82)	206/01022	. . (S)-3-Amino-2-methylpropionate transaminase (2.6.1.22)
205/01083	. . Hexaprenyl-diphosphate synthase ((2E,6E)-farnesyl-diphosphate specific)(2.5.1.83)	206/01023	. . 4-Hydroxyglutamate transaminase (2.6.1.23)
205/01084	. . All-trans-nonaprenyl-diphosphate synthase (geranyl-diphosphate specific)(2.5.1.84)	206/01024	. . Diiodotyrosine transaminase (2.6.1.24)
205/01085	. . All-trans-nonaprenyl-diphosphate synthase (geranylgeranyl-diphosphate specific)(2.5.1.85)	206/01026	. . Thyroid-hormone transaminase (2.6.1.26)
205/01086	. . Trans,polycis-decaprenyl diphosphate synthase (2.5.1.86)	206/01027	. . Tryptophan transaminase (2.6.1.27)
205/01087	. . Ditrans,polycis-polyprenyl diphosphate synthase ((2E,6E)-farnesyl diphosphate specific)(2.5.1.87)	206/01028	. . Tryptophan--phenylpyruvate transaminase (2.6.1.28)
205/01088	. . Trans,polycis-polyprenyl diphosphate synthase ((2Z,6E)-farnesyl diphosphate specific)(2.5.1.88)	206/01029	. . Diamine transaminase (2.6.1.29)
205/01089	. . Tritrans,polycis-undecaprenyl-diphosphate synthase (geranylgeranyl-diphosphate specific)(2.5.1.89)	206/0103	. . Pyridoxamine--pyruvate transaminase (2.6.1.30)
205/0109	. . All-trans-octaprenyl-diphosphate synthase (2.5.1.90)	206/01031	. . Pyridoxamine--oxaloacetate transaminase (2.6.1.31)
205/01091	. . All-trans-decaprenyl-diphosphate synthase (2.5.1.91)	206/01032	. . Valine--3-methyl-2-oxovalerate transaminase (2.6.1.32)
205/01092	. . (2Z,6Z)-Farnesyl diphosphate synthase (2.5.1.92)	206/01033	. . dTDP-4-amino-4,6-dideoxy-D-glucose transaminase (2.6.1.33)
205/01093	. . 4-Hydroxybenzoate geranyltransferase (2.5.1.93)	206/01034	. . UDP-2-acetamido-4-amino-2,4,6-trideoxyglucose transaminase (2.6.1.34)
205/01094	. . Adenosyl-chloride synthase (2.5.1.94)	206/01035	. . Glycine--oxaloacetate transaminase (2.6.1.35)
205/01095	. . Xanthan ketal pyruvate transferase (2.5.1.95)	206/01036	. . L-Lysine 6-transaminase (2.6.1.36)
205/01096	. . 4,4'-diapophytoene synthase (2.5.1.96)	206/01037	. . 2-Aminoethylphosphonate--pyruvate transaminase (2.6.1.37)
205/01097	. . Pseudaminic acid synthase (2.5.1.97)	206/01038	. . Histidine transaminase (2.6.1.38)
205/01098	. . Rhizobium leguminosarum exopolysaccharide glucosyl ketal-pyruvate-transferase (2.5.1.98)	206/01039	. . 2-Aminoadipate transaminase (2.6.1.39)
205/01099	. . All-trans-phytoene synthase (2.5.1.99)	206/0104	. . (R)-3-Amino-2-methylpropionate--pyruvate transaminase (2.6.1.40)
205/011	. . Fumigaclavine A dimethylallyltransferase (2.5.1.100)	206/01041	. . D-Methionine--pyruvate transaminase (2.6.1.41)
205/01101	. . N,N'-Diacetyllegionaminate synthase (2.5.1.101)	206/01042	. . Branched-chain-amino-acid transaminase (2.6.1.42)
205/01102	. . Geranyl-pyrophosphate--olivetolic acid geranyltransferase (2.5.1.102)	206/01043	. . Aminolevulinate transaminase (2.6.1.43)
205/01103	. . Presqualene diphosphate synthase (2.5.1.103)	206/01044	. . Alanine--glyoxylate transaminase (2.6.1.44)
206/00	Transferases transferring nitrogenous groups (2.6)	206/01045	. . Serine--glyoxylate transaminase (2.6.1.45)
206/01	. . Transaminases (2.6.1)	206/01046	. . Diaminobutyrate--pyruvate transaminase (2.6.1.46)
206/01001	. . Aspartate transaminase (2.6.1.1), i.e. aspartate-aminotransferase	206/01047	. . Alanine--oxomalonate transaminase (2.6.1.47)
206/01002	. . Alanine transaminase (2.6.1.2), i.e. alanine-aminotransferase	206/01048	. . 5-Aminovalerate transaminase (2.6.1.48)
206/01003	. . Cysteine transaminase (2.6.1.3)	206/01049	. . Dihydroxyphenylalanine transaminase (2.6.1.49)
206/01004	. . Glycine transaminase (2.6.1.4)	206/0105	. . Glutamine--scyllo-inositol transaminase (2.6.1.50)
206/01005	. . Tyrosine transaminase (2.6.1.5)	206/01051	. . Serine--pyruvate transaminase (2.6.1.51)
206/01006	. . Leucine transaminase (2.6.1.6)	206/01052	. . Phosphoserine transaminase (2.6.1.52)
206/01007	. . Kynurenine--oxoglutarate transaminase (2.6.1.7)	206/01054	. . Pyridoxamine-phosphate transaminase (2.6.1.54)
206/01008	. . 2,5-Diaminovalerate transaminase (2.6.1.8)	206/01055	. . Taurine--2-oxoglutarate transaminase (2.6.1.55)
206/01009	. . Histidinol-phosphate transaminase (2.6.1.9)	206/01056	. . 1D-1-Guanidino-3-amino-1,3-dideoxy-scylo-inositol transaminase (2.6.1.56)
206/01011	. . Acetylornithine transaminase (2.6.1.11)	206/01057	. . Aromatic-amino-acid transaminase (2.6.1.57)
206/01012	. . Alanine--oxo-acid transaminase (2.6.1.12)	206/01058	. . Phenylalanine(histidine) transaminase (2.6.1.58)
206/01013	. . Ornithine aminotransferase (2.6.1.13)	206/01059	. . dTDP-4-amino-4,6-dideoxygalactose transaminase (2.6.1.59)
206/01014	. . Asparagine--oxo-acid transaminase (2.6.1.14)	206/0106	. . Aromatic-amino-acid--glyoxylate transaminase (2.6.1.60)
206/01015	. . Glutamine--pyruvate transaminase (2.6.1.15)	206/01062	. . Adenosylmethionine--8-amino-7-oxononanoate transaminase (2.6.1.62)
206/01016	. . Glutamine-fructose-6-phosphate transaminase (isomerizing) (2.6.1.16), i.e. glucosamine-6-phosphate-synthase	206/01063	. . Kynurenine--glyoxylate transaminase (2.6.1.63)
206/01017	. . Succinyldiaminopimelate transaminase (2.6.1.17)	206/01064	. . Glutamine-phenylpyruvate transaminase (2.6.1.64)
206/01018	. . Beta-alanine-pyruvate transaminase (2.6.1.18)	206/01065	. . N6-Acetyl-beta-lysine transaminase (2.6.1.65)
206/01019	. . 4-Aminobutyrate--2-oxoglutarate transaminase (2.6.1.19)	206/01066	. . Valine--pyruvate transaminase (2.6.1.66)
		206/01067	. . 2-Aminohexanoate transaminase (2.6.1.67)
		206/01068	. . Ornithine(lysine) transaminase (2.6.1.68)

206/0107	. . Aspartate--phenylpyruvate transaminase (2.6.1.70)	207/01012	. . Gluconokinase (2.7.1.12)
206/01071	. . Lysine--pyruvate 6-transaminase (2.6.1.71)	207/01013	. . Dehydrogluconokinase (2.7.1.13)
206/01072	. . D-4-Hydroxyphenylglycine transaminase (2.6.1.72)	207/01014	. . Sedoheptulokinase (2.7.1.14)
206/01073	. . Methionine--glyoxylate transaminase (2.6.1.73)	207/01015	. . Ribokinase (2.7.1.15)
206/01074	. . Cephalosporin-C transaminase (2.6.1.74)	207/01016	. . Ribulokinase (2.7.1.16)
206/01075	. . Cysteine-conjugate transaminase (2.6.1.75)	207/01017	. . Xylulokinase (2.7.1.17)
206/01076	. . Diaminobutyrate--2-oxoglutarate transaminase (2.6.1.76)	207/01018	. . Phosphoribokinase (2.7.1.18)
206/01077	. . Taurine--pyruvate aminotransferase (2.6.1.77)	207/01019	. . Phosphoribulokinase (2.7.1.19)
206/01078	. . Aspartate--prephenate aminotransferase (2.6.1.78)	207/0102	. . Adenosine kinase (2.7.1.20)
206/01079	. . Glutamate--prephenate aminotransferase (2.6.1.79)	207/01021	. . Thymidine kinase (2.7.1.21)
206/0108	. . Nicotianamine aminotransferase (2.6.1.80)	207/01022	. . Ribosylnicotinamide kinase (2.7.1.22)
206/01081	. . Succinylornithine transaminase (2.6.1.81)	207/01023	. . NAD ⁺ kinase (2.7.1.23)
206/01082	. . Putrescine aminotransferase (2.6.1.82)	207/01024	. . Dephospho-CoA kinase (2.7.1.24)
206/01083	. . LL-Diaminopimelate aminotransferase (2.6.1.83)	207/01025	. . Adenylyl-sulfate kinase (2.7.1.25)
206/01084	. . Arginine--pyruvate transaminase (2.6.1.84)	207/01026	. . Riboflavin kinase (2.7.1.26)
206/01085	. . Aminodeoxychorismate synthase (2.6.1.85)	207/01027	. . Erythritol kinase (2.7.1.27)
206/01086	. . 2-Amino-4-deoxychorismate synthase (2.6.1.86)	207/01028	. . Triokinase (2.7.1.28)
206/01087	. . UDP-4-amino-4-deoxy-L-arabinose aminotransferase (2.6.1.87)	207/01029	. . Glycerone kinase (2.7.1.29), i.e. dihydroxyacetone kinase
206/01088	. . Methionine transaminase (2.6.1.88)	207/0103	. . Glycerol kinase (2.7.1.30)
206/01089	. . dTDP-3-amino-3,6-dideoxy- α -D-glucopyranose transaminase (2.6.1.89)	207/01031	. . Glycerate kinase (2.7.1.31)
206/0109	. . dTDP-3-amino-3,6-dideoxy- α -D-galactopyranose transaminase (2.6.1.90)	207/01032	. . Choline kinase (2.7.1.32)
206/01091	. . UDP-4-amino-4,6-dideoxy- α -D-N-acetyl-D-glucosamine transaminase (2.6.1.91)	207/01033	. . Pantothenate kinase (2.7.1.33)
206/01092	. . UDP-4-amino-4,6-dideoxy-L-N-acetyl-beta-L-altrosamine transaminase (2.6.1.92)	207/01034	. . Pantetheine kinase (2.7.1.34)
206/01093	. . Neamine transaminase (2.6.1.93)	207/01035	. . Pyridoxal kinase (2.7.1.35)
206/01094	. . 2'-Deamino-2'-hydroxyneamine transaminase (2.6.1.94)	207/01036	. . Mevalonate kinase (2.7.1.36)
206/01095	. . Neomycin C transaminase (2.6.1.95)	207/01037	. . Protein kinase (2.7.1.37) (C12Y 207/11001 , C12Y 207/11008 - C12Y 207/11013 , C12Y 207/11021 , C12Y 207/11022 , C12Y 207/11024 , C12Y 207/11025 , C12Y 207/1103 , C12Y 207/12001 take precedence)
206/01096	. . 4-Aminobutyrate--pyruvate transaminase (2.6.1.96)	207/01039	. . Homoserine kinase (2.7.1.39)
206/01097	. . Archaeosine synthase (2.6.1.97)	207/0104	. . Pyruvate kinase (2.7.1.40)
206/01098	. . UDP-2-acetamido-2-deoxy-ribo-hexuluronate aminotransferase (2.6.1.98)	207/01041	. . Glucose-1-phosphate phosphodismutase (2.7.1.41)
206/01099	. . L-Tryptophan--pyruvate aminotransferase (2.6.1.99)	207/01042	. . Riboflavin phosphotransferase (2.7.1.42)
206/03	. Oximinotransferases (2.6.3)	207/01043	. . Glucuronokinase (2.7.1.43)
206/03001	. . Oximinotransferase (2.6.3.1)	207/01044	. . Galacturonokinase (2.7.1.44)
206/99	. transferring other nitrogenous groups (2.6.99)	207/01045	. . 2-Dehydro-3-deoxygluconokinase (2.7.1.45)
206/99001	. . dATP(dGTP)--DNA purinetransferase (2.6.99.1)	207/01046	. . L-Arabinokinase (2.7.1.46)
206/99002	. . Pyridoxine 5'-phosphate synthase (2.6.99.2)	207/01047	. . D-Ribulokinase (2.7.1.47)
207/00	Transferases transferring phosphorus-containing groups (2.7)	207/01048	. . Uridine kinase (2.7.1.48)
207/01	. Phosphotransferases with an alcohol group as acceptor (2.7.1)	207/01049	. . Hydroxymethylpyrimidine kinase (2.7.1.49)
207/01001	. . Hexokinase (2.7.1.1)	207/0105	. . Hydroxyethylthiazole kinase (2.7.1.50)
207/01002	. . Glucokinase (2.7.1.2)	207/01051	. . L-Fuculokinase (2.7.1.51)
207/01003	. . Ketohexokinase (2.7.1.3)	207/01052	. . Fucokinase (2.7.1.52)
207/01004	. . Fructokinase (2.7.1.4)	207/01053	. . L-Xylulokinase (2.7.1.53)
207/01005	. . Rhamnulokinase (2.7.1.5)	207/01054	. . D-Arabinokinase (2.7.1.54)
207/01006	. . Galactokinase (2.7.1.6)	207/01055	. . Allose kinase (2.7.1.55)
207/01007	. . Mannokinase (2.7.1.7)	207/01056	. . 1-Phosphofructokinase (2.7.1.56)
207/01008	. . Glucosamine kinase (2.7.1.8)	207/01058	. . 2-Dehydro-3-deoxygalactonokinase (2.7.1.58)
207/0101	. . Phosphoglucokinase (2.7.1.10)	207/01059	. . N-Acetylglucosamine kinase (2.7.1.59)
207/01011	. . 6-Phosphofructokinase (2.7.1.11)	207/0106	. . N-Acylmannosamine kinase (2.7.1.60)
		207/01061	. . Acyl-phosphate--hexose phosphotransferase (2.7.1.61)
		207/01062	. . Phosphoramidate--hexose phosphotransferase (2.7.1.62)
		207/01063	. . Polyphosphate--glucose phosphotransferase (2.7.1.63)
		207/01064	. . Inositol 3-kinase (2.7.1.64)
		207/01065	. . Scyllo-inosamine 4-kinase (2.7.1.65)

207/01066	. . Undecaprenol kinase (2.7.1.66)	207/01142	. . Glycerol-3-phosphate--glucose phosphotransferase (2.7.1.142)
207/01067	. . 1-Phosphatidylinositol 4-kinase (2.7.1.67)	207/01143	. . Diphosphate-purine nucleoside kinase (2.7.1.143)
207/01068	. . 1-Phosphatidylinositol-4-phosphate 5-kinase (2.7.1.68)	207/01144	. . Tagatose-6-phosphate kinase (2.7.1.144)
207/01069	. . Protein-Npi-phosphohistidine-sugar phosphotransferase (2.7.1.69), i.e. sucrose phosphotransferase system II	207/01145	. . Deoxynucleoside kinase (2.7.1.145)
207/01071	. . Shikimate kinase (2.7.1.71)	207/01146	. . ADP-specific phosphofructokinase (2.7.1.146)
207/01072	. . Streptomycin 6-kinase (2.7.1.72)	207/01147	. . ADP-specific glucokinase (2.7.1.147)
207/01073	. . Inosine kinase (2.7.1.73)	207/01148	. . 4-(Cytidine 5'-diphospho)-2-C-methyl-D-erythritol kinase (2.7.1.148)
207/01074	. . Deoxycytidine kinase (2.7.1.74)	207/01149	. . 1-Phosphatidylinositol-5-phosphate 4-kinase (2.7.1.149)
207/01076	. . Deoxyadenosine kinase (2.7.1.76)	207/0115	. . 1-Phosphatidylinositol-3-phosphate 5-kinase (2.7.1.150)
207/01077	. . Nucleoside phosphotransferase (2.7.1.77)	207/01151	. . Inositol-polyphosphate multikinase (2.7.1.151)
207/01078	. . Polynucleotide 5'-hydroxyl-kinase (2.7.1.78)	207/01153	. . Phosphatidylinositol-4,5-bisphosphate 3-kinase (2.7.1.153), i.e. phosphoinositide 3-kinase
207/01079	. . Diphosphate--glycerol phosphotransferase (2.7.1.79)	207/01154	. . Phosphatidylinositol-4-phosphate 3-kinase (2.7.1.154)
207/0108	. . Diphosphate--serine phosphotransferase (2.7.1.80)	207/01156	. . Adenosylcobinamide kinase (2.7.1.156)
207/01081	. . Hydroxylysine kinase (2.7.1.81)	207/01157	. . N-Acetylgalactosamine kinase (2.7.1.157)
207/01082	. . Ethanolamine kinase (2.7.1.82)	207/01158	. . Inositol-pentakisphosphate 2-kinase (2.7.1.158)
207/01083	. . Pseudouridine kinase (2.7.1.83)	207/01159	. . Inositol-1,3,4-trisphosphate 5/6-kinase (2.7.1.159)
207/01084	. . Alkylglycerone kinase (2.7.1.84)	207/0116	. . 2'-Phosphotransferase (2.7.1.160)
207/01085	. . Beta-glucoside kinase (2.7.1.85)	207/01161	. . CTP-dependent riboflavin kinase (2.7.1.161)
207/01086	. . NADH kinase (2.7.1.86)	207/01162	. . N-Acetylhexosamine 1-kinase (2.7.1.162)
207/01087	. . Streptomycin 3"-kinase (2.7.1.87)	207/01163	. . Hygromycin B 4-O-kinase (2.7.1.163)
207/01088	. . Dihydrostreptomycin-6-phosphate 3'-alpha-kinase (2.7.1.88)	207/01164	. . O-Phosphoserine-tRNA(Sec) kinase (2.7.1.164)
207/01089	. . Thiamine kinase (2.7.1.89)	207/01165	. . Glycerate 2-kinase (2.7.1.165)
207/0109	. . Diphosphate--fructose-6-phosphate 1-phosphotransferase (2.7.1.90)	207/01166	. . 3-Deoxy-D-manno-octulosonic acid kinase (2.7.1.166)
207/01091	. . Sphinganine kinase (2.7.1.91)	207/01167	. . D-Glycero-beta-D-manno-heptose-7-phosphate kinase (2.7.1.167)
207/01092	. . 5-Dehydro-2-deoxygluconokinase (2.7.1.92)	207/01168	. . D-Glycero-alpha-D-manno-heptose-7-phosphate kinase (2.7.1.168)
207/01093	. . Alkylglycerol kinase (2.7.1.93)	207/01169	. . Pantoate kinase (2.7.1.169)
207/01094	. . Acylglycerol kinase (2.7.1.94)	207/0117	. . Anhydro-N-acetylmuramic acid kinase (2.7.1.170)
207/01095	. . Kanamycin kinase (2.7.1.95), i.e. neomycin-kanamycin phosphotransferase	207/01171	. . Protein-fructosamine 3-kinase (2.7.1.171)
207/011	. . S-Methyl-5-thioribose kinase (2.7.1.100)	207/01172	. . Protein-ribulosamine 3-kinase (2.7.1.172)
207/01101	. . Tagatose kinase (2.7.1.101)	207/01173	. . Nicotinate riboside kinase (2.7.1.173)
207/01102	. . Hamamelose kinase (2.7.1.102)	207/01174	. . Diacylglycerol kinase (CTP dependent) (2.7.1.174)
207/01103	. . Viomycin kinase (2.7.1.103)	207/01175	. . Maltokinase (2.7.1.175)
207/01105	. . 6-Phosphofructo-2-kinase (2.7.1.105)	207/01176	. . UDP-N-acetylglucosamine kinase (2.7.1.176)
207/01106	. . Glucose-1,6-bisphosphate synthase (2.7.1.106)	207/01177	. . L-Threonine kinase (2.7.1.177)
207/01107	. . Diacylglycerol kinase (2.7.1.107)	207/02	. . Phosphotransferases with a carboxy group as acceptor (2.7.2)
207/01108	. . Dolichol kinase (2.7.1.108)	207/02001	. . Acetate kinase (2.7.2.1)
207/01112	. . Protein-tyrosine kinase (2.7.1.112) (C12Y 207/10001, C12Y 207/10002 take precedence)	207/02002	. . Carbamate kinase (2.7.2.2)
207/01113	. . Deoxyguanosine kinase (2.7.1.113)	207/02003	. . Phosphoglycerate kinase (2.7.2.3)
207/01114	. . AMP--thymidine kinase (2.7.1.114)	207/02004	. . Aspartate kinase (2.7.2.4)
207/01118	. . ADP--thymidine kinase (2.7.1.118)	207/02006	. . Formate kinase (2.7.2.6)
207/01119	. . Hygromycin-B 7"-O-kinase (2.7.1.119)	207/02007	. . Butyrate kinase (2.7.2.7)
207/01121	. . Phosphoenolpyruvate--glycerone phosphotransferase (2.7.1.121)	207/02008	. . Acetylglutamate kinase (2.7.2.8)
207/01122	. . Xylitol kinase (2.7.1.122)	207/0201	. . Phosphoglycerate kinase (GTP) (2.7.2.10)
207/01127	. . Inositol-trisphosphate 3-kinase (2.7.1.127)	207/02011	. . Glutamate 5-kinase (2.7.2.11)
207/0113	. . Tetraacyldisaccharide 4'-kinase (2.7.1.130)	207/02012	. . Acetate kinase (diphosphate) (2.7.2.12)
207/01134	. . Inositol-tetrakisphosphate 1-kinase (2.7.1.134)	207/02013	. . Glutamate 1-kinase (2.7.2.13)
207/01136	. . Macrolide 2'-kinase (2.7.1.136)	207/02014	. . Branched-chain-fatty-acid kinase (2.7.2.14)
207/01137	. . Phosphatidylinositol 3-kinase (2.7.1.137)	207/02015	. . Propionate kinase (2.7.2.15)
207/01138	. . Ceramide kinase (2.7.1.138)	207/03	. . Phosphotransferases with a nitrogenous group as acceptor (2.7.3)
207/0114	. . Inositol-tetrakisphosphate 5-kinase (2.7.1.140)		

207/03001	. . Guanidinoacetate kinase (2.7.3.1)	207/07004	. . Sulfate adenylyltransferase (2.7.7.4)
207/03002	. . Creatine kinase (2.7.3.2)	207/07005	. . Sulfate adenylyltransferase (ADP) (2.7.7.5)
207/03003	. . Arginine kinase (2.7.3.3)	207/07006	. . DNA-directed RNA polymerase (2.7.7.6)
207/03004	. . Taurocyamine kinase (2.7.3.4)	207/07007	. . DNA-directed DNA polymerase (2.7.7.7), i.e. DNA replicase
207/03005	. . Lombricine kinase (2.7.3.5)	207/07008	. . Polyribonucleotide nucleotidyltransferase (2.7.7.8), i.e. polynucleotide phosphorylase
207/03006	. . Hypotaurocyamine kinase (2.7.3.6)	207/07009	. . UTP-glucose-1-phosphate uridylyltransferase (2.7.7.9), i.e. UDP-glucose-pyrophosphorylase
207/03007	. . Opheline kinase (2.7.3.7)	207/0701	. . UTP--hexose-1-phosphate uridylyltransferase (2.7.7.10)
207/03008	. . Ammonia kinase (2.7.3.8)	207/07011	. . UTP--xylose-1-phosphate uridylyltransferase (2.7.7.11)
207/03009	. . Phosphoenolpyruvate-protein phosphotransferase (2.7.3.9)	207/07012	. . UDP-glucose--hexose-1-phosphate uridylyltransferase (2.7.7.12)
207/0301	. . Agmatine kinase (2.7.3.10)	207/07013	. . Mannose-1-phosphate guanylyltransferase (2.7.7.13)
207/04	. . Phosphotransferases with a phosphate group as acceptor (2.7.4)	207/07014	. . Ethanolamine-phosphate cytidylyltransferase (2.7.7.14)
207/04001	. . Polyphosphate kinase (2.7.4.1)	207/07015	. . Choline-phosphate cytidylyltransferase (2.7.7.15)
207/04002	. . Phosphomevalonate kinase (2.7.4.2)	207/07018	. . Nicotinate-nucleotide adenylyltransferase (2.7.7.18)
207/04003	. . Adenylate kinase (2.7.4.3)	207/07019	. . Polynucleotide adenylyltransferase (2.7.7.19)
207/04004	. . Nucleoside-phosphate kinase (2.7.4.4)	207/07022	. . Mannose-1-phosphate guanylyltransferase (GDP) (2.7.7.22)
207/04006	. . Nucleoside-diphosphate kinase (2.7.4.6)	207/07023	. . UDP-N-acetylglucosamine diphosphorylase (2.7.7.23)
207/04007	. . Phosphomethylpyrimidine kinase (2.7.4.7)	207/07024	. . Glucose-1-phosphate thymidylyltransferase (2.7.7.24)
207/04008	. . Guanylate kinase (2.7.4.8)	207/07027	. . Glucose-1-phosphate adenylyltransferase (2.7.7.27), i.e. ADP-glucose pyrophosphorylase
207/04009	. . dTMP kinase (2.7.4.9)	207/07028	. . Nucleoside-triphosphate-aldose-1-phosphate nucleotidyltransferase (2.7.7.28)
207/0401	. . Nucleoside-triphosphate--adenylate kinase (2.7.4.10)	207/0703	. . Fucose-1-phosphate guanylyltransferase (2.7.7.30)
207/04011	. . (Deoxy)adenylate kinase (2.7.4.11)	207/07031	. . DNA nucleotidylexotransferase (2.7.7.31), i.e. terminal deoxynucleotidyl transferase
207/04012	. . T(2)-Induced deoxynucleotide kinase (2.7.4.12)	207/07032	. . Galactose-1-phosphate thymidylyltransferase (2.7.7.32)
207/04013	. . (Deoxy)nucleoside-phosphate kinase (2.7.4.13)	207/07033	. . Glucose-1-phosphate cytidylyltransferase (2.7.7.33)
207/04014	. . UMP/CMP kinase (2.7.4.14), i.e. uridine monophosphate kinase	207/07034	. . Glucose-1-phosphate guanylyltransferase (2.7.7.34)
207/04015	. . Thiamine-diphosphate kinase (2.7.4.15)	207/07035	. . Ribose-5-phosphate adenylyltransferase (2.7.7.35)
207/04016	. . Thiamine-phosphate kinase (2.7.4.16)	207/07036	. . Aldose-1-phosphate adenylyltransferase (2.7.7.36)
207/04017	. . 3-Phosphoglyceroyl-phosphate--polyphosphate phosphotransferase (2.7.4.17)	207/07037	. . Aldose-1-phosphate nucleotidyltransferase (2.7.7.37)
207/04018	. . Farnesyl-diphosphate kinase (2.7.4.18)	207/07038	. . 3-Deoxy-manno-octulosonate cytidylyltransferase (2.7.7.38)
207/04019	. . 5-Methyldeoxycytidine-5'-phosphate kinase (2.7.4.19)	207/07039	. . Glycerol-3-phosphate cytidylyltransferase (2.7.7.39)
207/0402	. . Dolichyl-diphosphate--polyphosphate phosphotransferase (2.7.4.20)	207/0704	. . D-Ribitol-5-phosphate cytidylyltransferase (2.7.7.40)
207/04021	. . Inositol-hexakisphosphate kinase (2.7.4.21)	207/07041	. . Phosphatidate cytidylyltransferase (2.7.7.41), i.e. CDP-diacylglycerol synthase
207/04022	. . UMP kinase (2.7.4.22)	207/07042	. . [Glutamate--ammonia-ligase] adenylyltransferase (2.7.7.42)
207/04023	. . Ribose 1,5-bisphosphate phosphokinase (2.7.4.23)	207/07043	. . N-Acylneuraminate cytidylyltransferase (2.7.7.43)
207/04024	. . Diphosphoinositol-pentakisphosphate kinase (2.7.4.24)	207/07044	. . Glucuronate-1-phosphate uridylyltransferase (2.7.7.44)
207/04025	. . (d)CMP kinase (2.7.4.25)		
207/04026	. . Isopentenyl phosphate kinase (2.7.4.26)		
207/04027	. . [Pyruvate, phosphate dikinase]-phosphate phosphotransferase (2.7.4.27)		
207/04028	. . [Pyruvate, water dikinase]-phosphate phosphotransferase (2.7.4.28)		
207/06	. . Diphosphotransferases (2.7.6)		
207/06001	. . Ribose-phosphate diphosphokinase (2.7.6.1)		
207/06002	. . Thiamine diphosphokinase (2.7.6.2)		
207/06003	. . 2-Amino-4-hydroxy-6-hydroxymethyldihydropteridine diphosphokinase (2.7.6.3)		
207/06004	. . Nucleotide diphosphokinase (2.7.6.4)		
207/06005	. . GTP diphosphokinase (2.7.6.5)		
207/07	. . Nucleotidyltransferases (2.7.7)		
207/07001	. . Nicotinamide-nucleotide adenylyltransferase (2.7.7.1)		
207/07002	. . FAD synthetase (2.7.7.2)		
207/07003	. . Pantetheine-phosphate adenylyltransferase (2.7.7.3)		

207/07045	. . Guanosine-triphosphate guanylyltransferase (2.7.7.45)	207/08002	. . Diacylglycerol cholinephosphotransferase (2.7.8.2)
207/07046	. . Gentamicin 2"-nucleotidyltransferase (2.7.7.46)	207/08003	. . Ceramide cholinephosphotransferase (2.7.8.3)
207/07047	. . Streptomycin 3"-adenylyltransferase (2.7.7.47)	207/08004	. . Serine-phosphoethanolamine synthase (2.7.8.4)
207/07048	. . RNA-directed RNA polymerase (2.7.7.48), i.e. RNA replicase	207/08005	. . CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase (2.7.8.5)
207/07049	. . RNA-directed DNA polymerase (2.7.7.49), i.e. telomerase or reverse-transcriptase	207/08006	. . Undecaprenyl-phosphate galactose phosphotransferase (2.7.8.6)
207/0705	. . mRNA guanylyltransferase (2.7.7.50)	207/08007	. . Holo-[acyl-carrier-protein] synthase (2.7.8.7)
207/07051	. . Adenylylsulfate--ammonia adenylyltransferase (2.7.7.51)	207/08008	. . CDP-diacylglycerol--serine O-phosphatidyltransferase (2.7.8.8)
207/07052	. . RNA uridylyltransferase (2.7.7.52)	207/08009	. . Phosphomannan mannosephosphotransferase (2.7.8.9)
207/07053	. . ATP adenylyltransferase (2.7.7.53)	207/0801	. . Sphingosine cholinephosphotransferase (2.7.8.10)
207/07054	. . Phenylalanine adenylyltransferase (2.7.7.54)	207/08011	. . CDP-diacylglycerol--inositol 3-phosphatidyltransferase (2.7.8.11)
207/07055	. . Anthranilate adenylyltransferase (2.7.7.55)	207/08012	. . CDP-glycerol glycerophosphotransferase (2.7.8.12)
207/07056	. . tRNA nucleotidyltransferase (2.7.7.56)	207/08013	. . Phospho-N-acetylmuramoyl-pentapeptide-transferase (2.7.8.13)
207/07057	. . N-Methylphosphoethanolamine cytidylyltransferase (2.7.7.57)	207/08014	. . CDP-ribitol ribitolphosphotransferase (2.7.8.14)
207/07058	. . (2,3-Dihydroxybenzoyl)adenylate synthase (2.7.7.58)	207/08015	. . UDP-N-acetylglucosamine--dolichyl-phosphate N-acetylglucosaminephosphotransferase (2.7.8.15)
207/07059	. . [Protein-PII] uridylyltransferase (2.7.7.59)	207/08017	. . UDP-N-acetylglucosamine--lysosomal-enzyme N-acetylglucosaminephosphotransferase (2.7.8.17)
207/0706	. . 2-C-Methyl-D-erythritol 4-phosphate cytidylyltransferase (2.7.7.60)	207/08018	. . UDP-galactose--UDP-N-acetylglucosamine galactose phosphotransferase (2.7.8.18)
207/07061	. . Citrate lyase holo-[acyl-carrier-protein] synthase (2.7.7.61)	207/08019	. . UDP-glucose--glycoprotein glucose phosphotransferase (2.7.8.19)
207/07062	. . Adenosylcobinamide-phosphate guanylyltransferase (2.7.7.62)	207/0802	. . Phosphatidylglycerol--membrane-oligosaccharide glycerophosphotransferase (2.7.8.20)
207/07063	. . Lipoate--protein ligase (2.7.7.63)	207/08021	. . Membrane-oligosaccharide glycerophosphotransferase (2.7.8.21)
207/07064	. . UTP-monosaccharide-1-phosphate uridylyltransferase (2.7.7.64)	207/08022	. . 1-Alkenyl-2-acylglycerol choline phosphotransferase (2.7.8.22)
207/07065	. . Diguanylate cyclase (2.7.7.65)	207/08023	. . Carboxyvinyl-carboxyphosphonate phosphorylmutase (2.7.8.23)
207/07066	. . Malonate decarboxylase holo-[acyl-carrier-protein] synthase (2.7.7.66)	207/08024	. . Phosphatidylcholine synthase (2.7.8.24)
207/07067	. . CDP-archaeol synthase (2.7.7.67)	207/08025	. . Triphosphoribosyl-dephospho-CoA synthase (2.7.8.25)
207/07068	. . 2-Phospho-L-lactate guanylyltransferase (2.7.7.68)	207/08026	. . Adenosylcobinamide-GDP ribazoletransferase (2.7.8.26)
207/07069	. . GDP-L-galactose phosphorylase (2.7.7.69)	207/08027	. . Sphingomyelin synthase (2.7.8.27)
207/0707	. . D-Glycero-beta-D-manno-heptose 1-phosphate adenylyltransferase (2.7.7.70)	207/08028	. . 2-Phospho-L-lactate transferase (2.7.8.28)
207/07071	. . D-Glycero-alpha-D-manno-heptose 1-phosphate guanylyltransferase (2.7.7.71)	207/08029	. . L-Serine-phosphatidylethanolamine phosphatidyltransferase (2.7.8.29)
207/07072	. . CCA tRNA nucleotidyltransferase (2.7.7.72)	207/0803	. . Undecaprenyl-phosphate 4-deoxy-4-formamido-L-arabinose transferase (2.7.8.30)
207/07073	. . Sulfur carrier protein ThiS adenylyltransferase (2.7.7.73)	207/08031	. . Undecaprenyl-phosphate glucose phosphotransferase (2.7.8.31)
207/07074	. . 1L-Myo-inositol 1-phosphate cytidylyltransferase (2.7.7.74)	207/08032	. . 3-O-Alpha-D-mannopyranosyl-alpha-D-mannopyranose xylosylphosphotransferase (2.7.8.32)
207/07075	. . Molybdopterin adenylyltransferase (2.7.7.75)	207/08033	. . UDP-GlcNAc:undecaprenyl-phosphate GlcNAc-1-phosphate transferase (2.7.8.33)
207/07076	. . Molybdenum cofactor cytidylyltransferase (2.7.7.76)	207/08034	. . CDP-L-myo-inositol myo-inositolphosphotransferase (2.7.8.34)
207/07077	. . Molybdenum cofactor guanylyltransferase (2.7.7.77)	207/08035	. . UDP-N-acetylglucosamine—decaprenyl-phosphate N-acetylglucosaminephosphotransferase (2.7.8.35)
207/07078	. . GDP-D-glucose phosphorylase (2.7.7.78)		
207/07079	. . tRNA(His) guanylyltransferase (2.7.7.79)		
207/0708	. . Molybdopterin-synthase adenylyltransferase (2.7.7.80)		
207/07081	. . Pseudaminic acid cytidylyltransferase (2.7.7.81)		
207/07082	. . CMP-N,N'-diacetyllegionaminic acid synthase (2.7.7.82)		
207/07083	. . UDP-N-acetylgalactosamine diphosphorylase (2.7.7.83)		
207/08	. . Transferases for other substituted phosphate groups (2.7.8)		
207/08001	. . Ethanolaminephosphotransferase (2.7.8.1)		

- 207/08036 . . Undecaprenyl phosphate N,N'-diacetylbaicillosamine 1-phosphate transferase (2.7.8.36)
- 207/08037 . . Alpha-D-ribose 1-methylphosphonate 5-triphosphate synthase (2.7.8.37)
- 207/09 . . Phosphotransferases with paired acceptors (2.7.9)
- 207/09001 . . Pyruvate, phosphate dikinase (2.7.9.1)
- 207/09002 . . Pyruvate, water dikinase (2.7.9.2)
- 207/09003 . . Selenide, water dikinase (2.7.9.3), i.e. selenophosphate-synthase
- 207/09004 . . Alpha-glucan, water dikinase (2.7.9.4)
- 207/09005 . . Phosphoglucan, water dikinase (2.7.9.5)
- 207/10 . . Protein-tyrosine kinases (2.7.10)
- 207/10001 . . Receptor protein-tyrosine kinase (2.7.10.1)
- 207/10002 . . Non-specific protein-tyrosine kinase (2.7.10.2), i.e. spleen tyrosine kinase
- 207/11 . . Protein-serine/threonine kinases (2.7.11)
- 207/11001 . . Non-specific serine/threonine protein kinase (2.7.11.1), i.e. casein kinase or checkpoint kinase
- 207/11002 . . [Pyruvate dehydrogenase (acetyl-transferring)] kinase (2.7.11.2)
- 207/11003 . . Dephospho-[reductase kinase] kinase (2.7.11.3)
- 207/11004 . . [3-Methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] kinase (2.7.11.4)
- 207/11005 . . [Isocitrate dehydrogenase (NADP+)] kinase (2.7.11.5)
- 207/11006 . . [Tyrosine 3-monooxygenase] kinase (2.7.11.6)
- 207/11007 . . [Myosin-heavy-chain] kinase (2.7.11.7)
- 207/11008 . . Fas-activated serine/threonine kinase (2.7.11.8)
- 207/11009 . . Goodpasture-antigen-binding protein kinase (2.7.11.9)
- 207/1101 . . IkappaB kinase (2.7.11.10)
- 207/11011 . . cAMP-dependent protein kinase (2.7.11.11)
- 207/11012 . . cGMP-dependent protein kinase (2.7.11.12)
- 207/11013 . . Protein kinase C (2.7.11.13)
- 207/11014 . . Rhodopsin kinase (2.7.11.14)
- 207/11015 . . [Beta-adrenergic-receptor] kinase (2.7.11.15)
- 207/11016 . . G-Protein-coupled receptor kinase (2.7.11.16)
- 207/11017 . . Ca²⁺/Calmodulin-dependent protein kinase (2.7.11.17)
- 207/11018 . . Myosin-light-chain kinase (2.7.11.18)
- 207/11019 . . Phosphorylase kinase (2.7.11.19)
- 207/1102 . . Elongation factor 2 kinase (2.7.11.20), i.e. eEF-2K
- 207/11021 . . Polo kinase (2.7.11.21)
- 207/11022 . . Cyclin-dependent kinase (2.7.11.22)
- 207/11023 . . [RNA-polymerase-subunit] kinase (2.7.11.23)
- 207/11024 . . Mitogen-activated protein kinase (2.7.11.24), i.e. MAPK or MAPK2 or c-Jun N-terminal kinase
- 207/11025 . . Mitogen-activated protein kinase kinase kinase (2.7.11.25), i.e. MAPKKK or MAP3K
- 207/11026 . . Tau-protein kinase (2.7.11.26)
- 207/11027 . . [Acetyl-CoA carboxylase] kinase (2.7.11.27)
- 207/11028 . . Tropomyosin kinase (2.7.11.28)
- 207/11029 . . [Low-density-lipoprotein receptor] kinase (2.7.11.29)
- 207/1103 . . Receptor protein serine/threonine kinase (2.7.11.30)
- 207/11031 . . [Hydroxymethylglutaryl-CoA reductase (NADPH)] kinase (2.7.11.31)
- 207/11032 . . [Pyruvate, phosphate dikinase] kinase (2.7.11.32)
- 207/11033 . . [Pyruvate, water dikinase] kinase (2.7.11.33)
- 207/12 . . Dual-specificity kinases (2.7.12)
- 207/12001 . . Dual-specificity kinase (2.7.12.1)
- 207/12002 . . Mitogen-activated protein kinase kinase (2.7.12.2), i.e. MAPKK or MEK1 or MEK2
- 207/13 . . Protein-histidine kinases (2.7.13)
- 207/13001 . . Protein-histidine pros-kinase (2.7.13.1)
- 207/13002 . . Protein-histidine tele-kinase (2.7.13.2)
- 207/13003 . . Histidine kinase (2.7.13.3)
- 207/99 . . Other protein kinases (2.7.99)
- 207/99001 . . Triphosphate--protein phosphotransferase (2.7.99.1)
- 208/00 Transferases transferring sulfur-containing groups (2.8)**
- 208/01 . . Sulfurtransferases (2.8.1)
- 208/01001 . . Thiosulfate sulfurtransferase (2.8.1.1)
- 208/01002 . . 3-Mercaptopyruvate sulfurtransferase (2.8.1.2)
- 208/01003 . . Thiosulfate--thiol sulfurtransferase (2.8.1.3)
- 208/01004 . . tRNA sulfurtransferase (2.8.1.4)
- 208/01005 . . Thiosulfate--dithiol sulfurtransferase (2.8.1.5)
- 208/01006 . . Biotin synthase (2.8.1.6)
- 208/01007 . . Cysteine desulfurase (2.8.1.7)
- 208/01008 . . Lipoyl synthase (2.8.1.8)
- 208/01009 . . Molybdenum cofactor sulfurtransferase (2.8.1.9)
- 208/0101 . . Thiazole synthase (2.8.1.10)
- 208/01011 . . Molybdopterin synthase sulfurtransferase (2.8.1.11)
- 208/01012 . . Molybdopterin synthase (2.8.1.12)
- 208/02 . . Sulfotransferases (2.8.2)
- 208/02001 . . Aryl sulfotransferase (2.8.2.1)
- 208/02002 . . Alcohol sulfotransferase (2.8.2.2)
- 208/02003 . . Amine sulfotransferase (2.8.2.3)
- 208/02004 . . Estrone sulfotransferase (2.8.2.4)
- 208/02005 . . Chondroitin 4-sulfotransferase (2.8.2.5)
- 208/02006 . . Choline sulfotransferase (2.8.2.6)
- 208/02007 . . UDP-N-acetylgalactosamine-4-sulfate sulfotransferase (2.8.2.7)
- 208/02008 . . [Heparan sulfate]-glucosamine N-sulfotransferase (2.8.2.8)
- 208/02009 . . Tyrosine-ester sulfotransferase (2.8.2.9)
- 208/0201 . . Renilla-luciferin sulfotransferase (2.8.2.10)
- 208/02011 . . Galactosylceramide sulfotransferase (2.8.2.11)
- 208/02013 . . Psychosine sulfotransferase (2.8.2.13)
- 208/02014 . . Bile-salt sulfotransferase (2.8.2.14)
- 208/02015 . . Steroid sulfotransferase (2.8.2.15)
- 208/02016 . . Thiol sulfotransferase (2.8.2.16)
- 208/02017 . . Chondroitin 6-sulfotransferase (2.8.2.17)
- 208/02018 . . Cortisol sulfotransferase (2.8.2.18)
- 208/02019 . . Triglucoylalkylacylglycerol sulfotransferase (2.8.2.19)
- 208/0202 . . Protein-tyrosine sulfotransferase (2.8.2.20)
- 208/02021 . . Keratan sulfotransferase (2.8.2.21)
- 208/02022 . . Aryl-sulfate sulfotransferase (2.8.2.22)
- 208/02023 . . [Heparan sulfate]-glucosamine 3-sulfotransferase 1 (2.8.2.23)
- 208/02024 . . Desulfoglucosinolate sulfotransferase (2.8.2.24)
- 208/02025 . . Flavonol 3-sulfotransferase (2.8.2.25)
- 208/02026 . . Quercetin-3-sulfate 3'-sulfotransferase (2.8.2.26)
- 208/02027 . . Quercetin-3-sulfate 4'-sulfotransferase (2.8.2.27)
- 208/02028 . . Quercetin-3,3'-bissulfate 7-sulfotransferase (2.8.2.28)
- 208/02029 . . [Heparan sulfate]-glucosamine 3-sulfotransferase 2 (2.8.2.29)

- 208/0203 . . [Heparan sulfate]-glucosamine 3-sulfotransferase 3 (2.8.2.30)
- 208/02031 . . Petromyzonol sulfotransferase (2.8.2.31)
- 208/02032 . . Scymnol sulfotransferase (2.8.2.32)
- 208/02033 . . N-Acetylgalactosamine 4-sulfate 6-O-sulfotransferase (2.8.2.33)
- 208/02034 . . Glycochenodeoxycholate sulfotransferase (2.8.2.34)
- 208/02035 . . Dermatan 4-sulfotransferase (2.8.2.35)
- 208/03 . . CoA-transferases (2.8.3)
- 208/03001 . . Propionate CoA-transferase (2.8.3.1)
- 208/03002 . . Oxalate CoA-transferase (2.8.3.2)
- 208/03003 . . Malonate CoA-transferase (2.8.3.3)
- 208/03005 . . 3-Oxoacid CoA-transferase (2.8.3.5)
- 208/03006 . . 3-Oxoadipate CoA-transferase (2.8.3.6)
- 208/03007 . . Succinate--citramalate CoA-transferase (2.8.3.7)
- 208/03008 . . Acetate CoA-transferase (2.8.3.8)
- 208/03009 . . Butyrate--acetoacetate CoA-transferase (2.8.3.9)
- 208/0301 . . Citrate CoA-transferase (2.8.3.10)
- 208/03011 . . Citramalate CoA-transferase (2.8.3.11)
- 208/03012 . . Glutaconate CoA-transferase (2.8.3.12)
- 208/03013 . . Succinate--hydroxymethylglutarate CoA-transferase (2.8.3.13)
- 208/03014 . . 5-Hydroxypentanoate CoA-transferase (2.8.3.14)
- 208/03015 . . Succinyl-CoA:(R)-benzylsuccinate CoA-transferase (2.8.3.15)
- 208/03016 . . Formyl-CoA transferase (2.8.3.16)
- 208/03017 . . Cinnamoyl-CoA:phenyllactate CoA-transferase (2.8.3.17)
- 208/04 . . transferring alkylthio groups (2.8.4)
- 208/04001 . . Coenzyme-B sulfoethylthiotransferase (2.8.4.1)
- 208/04002 . . Arsenate-mycothioli transferase (2.8.4.2)
- 209/00 Transferases transferring selenium-containing groups (2.9)**
- 209/01 . . transferring selenium-containing groups (2.9.1)
- 209/01001 . . L-Seryl-tRNA(Sec) selenium transferase (2.9.1.1)
- 209/01002 . . O-Phospho-L-seryl-tRNA(Sec):L-selenocysteinyl-tRNA synthase (2.9.1.2)
- 210/00 Transferases transferring molybdenum- or tungsten-containing groups (2.10)**
- 210/01 . . Molybdenumtransferases or tungstenttransferases with sulfide groups as acceptors (2.10.1)
- 210/01001 . . Molybdopterin molybdotransferase (2.10.1.1)
- 301/00 Hydrolases acting on ester bonds (3.1)**
- 301/01 . . Carboxylic ester hydrolases (3.1.1)
- 301/01001 . . Carboxylesterase (3.1.1.1)
- 301/01002 . . Arylesterase (3.1.1.2)
- 301/01003 . . Triacylglycerol lipase (3.1.1.3)
- 301/01004 . . Phospholipase A2 (3.1.1.4)
- 301/01005 . . Lysophospholipase (3.1.1.5)
- 301/01006 . . Acetylesterase (3.1.1.6)
- 301/01007 . . Acetylcholinesterase (3.1.1.7)
- 301/01008 . . Cholinesterase (3.1.1.8), i.e. butyrylcholine-esterase
- 301/0101 . . Tropinesterase (3.1.1.10)
- 301/01011 . . Pectinesterase (3.1.1.11)
- 301/01013 . . Sterol esterase (3.1.1.13)
- 301/01014 . . Chlorophyllase (3.1.1.14)
- 301/01015 . . L-Arabinonolactonase (3.1.1.15)
- 301/01016 . . 4-Carboxymethyl-4-hydroxyisocrotonolactonase (3.1.1.16) ([C12Y 301/01024](#), [C12Y 503/03004](#) take precedence)
- 301/01017 . . Gluconolactonase (3.1.1.17)
- 301/01019 . . Uronolactonase (3.1.1.19)
- 301/0102 . . Tannase (3.1.1.20)
- 301/01021 . . Retinyl-palmitate esterase (3.1.1.21) ([C12Y 301/01001](#), [C12Y 301/01003](#) take precedence)
- 301/01022 . . Hydroxybutyrate-dimer hydrolase (3.1.1.22)
- 301/01023 . . Acylglycerol lipase (3.1.1.23)
- 301/01024 . . 3-Oxadipate enol-lactonase (3.1.1.24)
- 301/01025 . . 1,4-Lactonase (3.1.1.25)
- 301/01026 . . Galactolipase (3.1.1.26)
- 301/01027 . . 4-Pyridoxolactonase (3.1.1.27)
- 301/01028 . . Acylcarnitine hydrolase (3.1.1.28)
- 301/01029 . . Aminoacyl-tRNA hydrolase (3.1.1.29)
- 301/0103 . . D-Arabinonolactonase (3.1.1.30)
- 301/01031 . . 6-Phosphogluconolactonase (3.1.1.31)
- 301/01032 . . Phospholipase A1 (3.1.1.32)
- 301/01033 . . 6-Acetylglucose deacetylase (3.1.1.33)
- 301/01034 . . Lipoprotein lipase (3.1.1.34)
- 301/01035 . . Dihydrocoumarin hydrolase (3.1.1.35)
- 301/01036 . . Limonin-D-ring-lactonase (3.1.1.36)
- 301/01037 . . Steroid-lactonase (3.1.1.37)
- 301/01038 . . Triacetate-lactonase (3.1.1.38)
- 301/01039 . . Actinomycin lactonase (3.1.1.39)
- 301/0104 . . Orsellinate-depside hydrolase (3.1.1.40)
- 301/01041 . . Cephalosporin-C deacetylase (3.1.1.41)
- 301/01042 . . Chlorogenate hydrolase (3.1.1.42)
- 301/01043 . . Alpha-amino-acid esterase (3.1.1.43)
- 301/01044 . . 4-Methyloxaloacetate esterase (3.1.1.44)
- 301/01045 . . Carboxymethylenebutenolidase (3.1.1.45)
- 301/01046 . . Deoxylimonate A-ring-lactonase (3.1.1.46)
- 301/01047 . . 1-Alkyl-2-acetyl-glycerophosphocholine esterase (3.1.1.47), i.e. platelet-activating factor acetylhydrolase
- 301/01048 . . Fusarinine-C ornithinesterase (3.1.1.48)
- 301/01049 . . Sinapine esterase (3.1.1.49)
- 301/0105 . . Wax-ester hydrolase (3.1.1.50)
- 301/01051 . . Phorbol-diester hydrolase (3.1.1.51)
- 301/01052 . . Phosphatidylinositol deacylase (3.1.1.52)
- 301/01053 . . Sialate O-acetylcylase (3.1.1.53)
- 301/01054 . . Acetoxybutynylbithiophene deacetylase (3.1.1.54)
- 301/01055 . . Acetylsalicylate deacetylase (3.1.1.55)
- 301/01056 . . Methylumbelliferyl-acetate deacetylase (3.1.1.56)
- 301/01057 . . 2-Pyrone-4,6-dicarboxylate lactonase (3.1.1.57)
- 301/01058 . . N-Acetylgalactosaminoglycan deacetylase (3.1.1.58)
- 301/01059 . . Juvenile-hormone esterase (3.1.1.59)
- 301/0106 . . Bis(2-ethylhexyl)phthalate esterase (3.1.1.60)
- 301/01061 . . Protein-glutamate methylesterase (3.1.1.61)
- 301/01063 . . 11-Cis-retinyl-palmitate hydrolase (3.1.1.63)
- 301/01064 . . Retinoid isomerohydrolase (3.1.1.64)
- 301/01065 . . L-Rhamnono-1,4-lactonase (3.1.1.65)
- 301/01066 . . 5-(3,4-Diacetoxybut-1-ynyl)-2,2'-bithiophene deacetylase (3.1.1.66)
- 301/01067 . . Fatty-acyl-ethyl-ester synthase (3.1.1.67)
- 301/01068 . . Xylono-1,4-lactonase (3.1.1.68)
- 301/0107 . . Cetraxate benzylesterase (3.1.1.70)
- 301/01071 . . Acetylalkylglycerol acetylhydrolase (3.1.1.71)

301/01072	. . Acetylxylylan esterase (3.1.1.72)	301/03002	. . Acid phosphatase (3.1.3.2)
301/01073	. . Feruloyl esterase (3.1.1.73)	301/03003	. . Phosphoserine phosphatase (3.1.3.3)
301/01074	. . Cutinase (3.1.1.74)	301/03004	. . Phosphatidate phosphatase (3.1.3.4)
301/01075	. . Poly(3-hydroxybutyrate) depolymerase (3.1.1.75)	301/03005	. . 5'-Nucleotidase (3.1.3.5)
301/01076	. . Poly(3-hydroxyoctanoate) depolymerase (3.1.1.76)	301/03006	. . 3'-Nucleotidase (3.1.3.6)
301/01077	. . Acyloxyacyl hydrolase (3.1.1.77)	301/03007	. . 3'(2'),5'-Bisphosphate nucleotidase (3.1.3.7)
301/01078	. . Polyneuridine-aldehyde esterase (3.1.1.78)	301/03008	. . 3-Phytase (3.1.3.8)
301/01079	. . Hormone-sensitive lipase (3.1.1.79)	301/03009	. . Glucose-6-phosphatase (3.1.3.9)
301/0108	. . Acetylaljaline esterase (3.1.1.80)	301/0301	. . Glucose-1-phosphatase (3.1.3.10)
301/01081	. . Quorum-quenching N-acyl-homoserine lactonase (3.1.1.81)	301/03011	. . Fructose-bisphosphatase (3.1.3.11)
301/01082	. . Pheophorbide (3.1.1.82)	301/03012	. . Trehalose-phosphatase (3.1.3.12)
301/01083	. . Monoterpene epsilon-lactone hydrolase (3.1.1.83)	301/03013	. . Bisphosphoglycerate phosphatase (3.1.3.13)
301/01084	. . Cocaine esterase (3.1.1.84)	301/03014	. . Methylphosphothioglycerate phosphatase (3.1.3.14)
301/01085	. . Pimelyl-[acyl-carrier protein] methyl ester esterase (3.1.1.85)	301/03015	. . Histidinol-phosphatase (3.1.3.15)
301/01086	. . Rhamnogalacturonan acylesterase (3.1.1.86)	301/03016	. . Phosphoprotein phosphatase (3.1.3.16), i.e. calcineurin
301/01087	. . Fumonisin B1 esterase (3.1.1.87)	301/03017	. . [Phosphorylase] phosphatase (3.1.3.17)
301/01088	. . Pyrethroid hydrolase (3.1.1.88)	301/03018	. . Phosphoglycolate phosphatase (3.1.3.18)
301/01089	. . Protein phosphatase methylesterase-1 (3.1.1.89)	301/03019	. . Glycerol-2-phosphatase (3.1.3.19)
301/0109	. . All-trans-retinyl ester 13-cis isomerohydrolase (3.1.1.90)	301/0302	. . Phosphoglycerate phosphatase (3.1.3.20)
301/01091	. . 2-Oxo-3-(5-oxofuran-2-ylidene)propanoate lactonase (3.1.1.91)	301/03021	. . Glycerol-1-phosphatase (3.1.3.21)
301/01092	. . 4-Sulfomuconolactone hydrolase (3.1.1.92)	301/03022	. . Mannitol-1-phosphatase (3.1.3.22)
301/01093	. . Mycophenolic acid acyl-glucuronide esterase (3.1.1.93)	301/03023	. . Sugar-phosphatase (3.1.3.23)
301/02	. . Thioester hydrolases (3.1.2)	301/03024	. . Sucrose-phosphate phosphatase (3.1.3.24)
301/02001	. . Acetyl-CoA hydrolase (3.1.2.1)	301/03025	. . Inositol-phosphate phosphatase (3.1.3.25)
301/02002	. . Palmitoyl-CoA hydrolase (3.1.2.2)	301/03026	. . 4-Phytase (3.1.3.26), i.e. 6-phytase
301/02003	. . Succinyl-CoA hydrolase (3.1.2.3)	301/03027	. . Phosphatidylglycerophosphatase (3.1.3.27)
301/02004	. . 3-Hydroxyisobutyryl-CoA hydrolase (3.1.2.4)	301/03028	. . ADP-phosphoglycerate phosphatase (3.1.3.28)
301/02005	. . Hydroxymethylglutaryl-CoA hydrolase (3.1.2.5)	301/03029	. . N-Acylneuraminate-9-phosphatase (3.1.3.29)
301/02006	. . Hydroxyacylglutathione hydrolase (3.1.2.6)	301/03031	. . Nucleotidase (3.1.3.31)
301/02007	. . Glutathione thioesterase (3.1.2.7)	301/03032	. . Polynucleotide 3'-phosphatase (3.1.3.32)
301/0201	. . Formyl-CoA hydrolase (3.1.2.10)	301/03033	. . Polynucleotide 5'-phosphatase (3.1.3.33)
301/02011	. . Acetoacetyl-CoA hydrolase (3.1.2.11)	301/03034	. . Deoxynucleotide 3'-phosphatase (3.1.3.34)
301/02012	. . S-Formylglutathione hydrolase (3.1.2.12)	301/03035	. . Thymidylate 5'-phosphatase (3.1.3.35)
301/02013	. . S-Succinylglutathione hydrolase (3.1.2.13)	301/03036	. . Phosphoinositide 5-phosphatase (3.1.3.36)
301/02014	. . Oleoyl-[acyl-carrier-protein] hydrolase (3.1.2.14), i.e. ACP-thioesterase	301/03037	. . Sedoheptulose-bisphosphatase (3.1.3.37)
301/02015	. . Ubiquitin thioesterase (3.1.2.15)	301/03038	. . 3-Phosphoglycerate phosphatase (3.1.3.38)
301/02016	. . Citrate-lyase deacetylase (3.1.2.16)	301/03039	. . Streptomycin-6-phosphatase (3.1.3.39)
301/02017	. . (S)-Methylmalonyl-CoA hydrolase (3.1.2.17)	301/0304	. . Guanidinodeoxy-scyllo-inositol-4-phosphatase (3.1.3.40)
301/02018	. . ADP-dependent short-chain-acyl-CoA hydrolase (3.1.2.18)	301/03041	. . 4-Nitrophenylphosphatase (3.1.3.41)
301/02019	. . ADP-dependent medium-chain-acyl-CoA hydrolase (3.1.2.19)	301/03042	. . [Glycogen-synthase-D] phosphatase (3.1.3.42)
301/0202	. . Acyl-CoA hydrolase (3.1.2.20)	301/03043	. . [Pyruvate dehydrogenase (acetyl-transferring)]-phosphatase (3.1.3.43)
301/02021	. . Dodecanoyl-[acyl-carrier-protein] hydrolase (3.1.2.21)	301/03044	. . [Acetyl-CoA carboxylase]-phosphatase (3.1.3.44)
301/02022	. . Palmitoyl-protein hydrolase (3.1.2.22)	301/03045	. . 3-Deoxy-manno-octulosonate-8-phosphatase (3.1.3.45)
301/02023	. . 4-Hydroxybenzoyl-CoA thioesterase (3.1.2.23)	301/03046	. . Fructose-2,6-bisphosphate 2-phosphatase (3.1.3.46)
301/02025	. . Phenylacetyl-CoA hydrolase (3.1.2.25)	301/03047	. . [Hydroxymethylglutaryl-CoA reductase (NADPH)]-phosphatase (3.1.3.47)
301/02026	. . Bile-acid-CoA hydrolase (3.1.2.26)	301/03048	. . Protein-tyrosine-phosphatase (3.1.3.48)
301/02027	. . Choloyl-CoA hydrolase (3.1.2.27)	301/03049	. . [Pyruvate kinase]-phosphatase (3.1.3.49)
301/02028	. . 1,4-Dihydroxy-2-naphthoyl-CoA hydrolase (3.1.2.28)	301/0305	. . Sorbitol-6-phosphatase (3.1.3.50)
301/02029	. . Fluoroacetyl-CoA thioesterase (3.1.2.29)	301/03051	. . Dolichyl-phosphatase (3.1.3.51)
301/03	. . Phosphoric monoester hydrolases (3.1.3)	301/03052	. . [3-Methyl-2-oxobutanoate dehydrogenase (2-methylpropanoyl-transferring)]-phosphatase (3.1.3.52)
301/03001	. . Alkaline phosphatase (3.1.3.1)	301/03053	. . [Myosin-light-chain] phosphatase (3.1.3.53)
		301/03054	. . Fructose-2,6-bisphosphate 6-phosphatase (3.1.3.54)

301/03055	. . Caldesmon-phosphatase (3.1.3.55)	301/04017	. . 3',5'-Cyclic-nucleotide phosphodiesterase (3.1.4.17)
301/03056	. . Inositol-polyphosphate 5-phosphatase (3.1.3.56)	301/04035	. . 3',5'-Cyclic-GMP phosphodiesterase (3.1.4.35)
301/03057	. . Inositol-1,4-bisphosphate 1-phosphatase (3.1.3.57)	301/04037	. . 2',3'-Cyclic-nucleotide 3'-phosphodiesterase (3.1.4.37)
301/03058	. . Sugar-terminal-phosphatase (3.1.3.58)	301/04038	. . Glycerophosphocholine cholinephosphodiesterase (3.1.4.38)
301/03059	. . Alkylacetylgllycerophosphatase (3.1.3.59)	301/04039	. . Alkylglycerophosphoethanolamine phosphodiesterase (3.1.4.39)
301/0306	. . Phosphoenolpyruvate phosphatase (3.1.3.60)	301/0404	. . CMP-N-acylneuraminate phosphodiesterase (3.1.4.40)
301/03062	. . Multiple inositol-polyphosphate phosphatase (3.1.3.62)	301/04041	. . Sphingomyelin phosphodiesterase D (3.1.4.41)
301/03063	. . 2-Carboxy-D-arabinitol-1-phosphatase (3.1.3.63)	301/04042	. . Glycerol-1,2-cyclic-phosphate 2-phosphodiesterase (3.1.4.42)
301/03064	. . Phosphatidylinositol-3-phosphatase (3.1.3.64)	301/04043	. . Glycerophosphoinositol inositolphosphodiesterase (3.1.4.43)
301/03066	. . Phosphatidylinositol-3,4-bisphosphate 4-phosphatase (3.1.3.66)	301/04044	. . Glycerophosphoinositol glycerophosphodiesterase (3.1.4.44)
301/03067	. . Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase (3.1.3.67)	301/04045	. . N-Acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase (3.1.4.45)
301/03068	. . 2-Deoxyglucose-6-phosphatase (3.1.3.68)	301/04046	. . Glycerophosphodiester phosphodiesterase (3.1.4.46)
301/03069	. . Glucosylglycerol 3-phosphatase (3.1.3.69)	301/04048	. . Dolichylphosphate-glucose phosphodiesterase (3.1.4.48)
301/0307	. . Mannosyl-3-phosphoglycerate phosphatase (3.1.3.70)	301/04049	. . Dolichylphosphate-mannose phosphodiesterase (3.1.4.49)
301/03071	. . 2-Phosphosulfolactate phosphatase (3.1.3.71)	301/0405	. . Glycosylphosphatidylinositol phospholipase D (3.1.4.50)
301/03072	. . 5-Phytase (3.1.3.72)	301/04051	. . Glucose-1-phospho-D-mannosylglycoprotein phosphodiesterase (3.1.4.51)
301/03073	. . Adenosylcobalamin/alpha-ribazole phosphatase (3.1.3.73)	301/04052	. . Cyclic-guanylate-specific phosphodiesterase (3.1.4.52)
301/03074	. . Pyridoxal phosphatase (3.1.3.74)	301/04053	. . 3',5'-Cyclic-AMP phosphodiesterase (3.1.4.53)
301/03075	. . Phosphoethanolamine/phosphocholine phosphatase (3.1.3.75)	301/04054	. . N-Acetylphosphatidylethanolamine-hydrolyzing phospholipase D (3.1.4.54)
301/03076	. . Lipid-phosphate phosphatase (3.1.3.76)	301/05	. . Triphosphoric monoester hydrolases (3.1.5)
301/03077	. . Acireductone synthase (3.1.3.77)	301/05001	. . dGTPase (3.1.5.1)
301/03078	. . Phosphatidylinositol-4,5-bisphosphate 4-phosphatase (3.1.3.78)	301/06	. . Sulfuric ester hydrolases (3.1.6)
301/03079	. . Mannosylfructose-phosphate phosphatase (3.1.3.79)	301/06001	. . Arylsulfatase (3.1.6.1)
301/0308	. . 2,3-Bisphosphoglycerate 3-phosphatase (3.1.3.80)	301/06002	. . Steryl-sulfatase (3.1.6.2)
301/03081	. . Diacylglycerol diphosphate phosphatase (3.1.3.81)	301/06003	. . Glycosulfatase (3.1.6.3)
301/03082	. . D-Glycero-beta-D-manno-heptose 1,7-bisphosphate 7-phosphatase (3.1.3.82)	301/06004	. . N-Acetylgalactosamine-6-sulfatase (3.1.6.4)
301/03083	. . D-Glycero-alpha-D-manno-heptose-1,7-bisphosphate 7-phosphatase (3.1.3.83)	301/06006	. . Choline-sulfatase (3.1.6.6)
301/03084	. . ADP-ribose 1"-phosphate phosphatase (3.1.3.84)	301/06007	. . Cellulose-polysulfatase (3.1.6.7)
301/03085	. . Glucosyl-3-phosphoglycerate phosphatase (3.1.3.85)	301/06008	. . Cerebroside-sulfatase (3.1.6.8)
301/03086	. . Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase (3.1.3.86)	301/06009	. . Chondro-4-sulfatase (3.1.6.9)
301/03087	. . 2-Hydroxy-3-keto-5-methylthiopentenyl-1-phosphate phosphatase (3.1.3.87)	301/0601	. . Chondro-6-sulfatase (3.1.6.10)
301/03088	. . 5"-Phosphoribostamycin phosphatase (3.1.3.88)	301/06011	. . Disulfoglucosamine-6-sulfatase (3.1.6.11)
301/04	. . Phosphoric diester hydrolases (3.1.4)	301/06012	. . N-Acetylgalactosamine-4-sulfatase (3.1.6.12)
301/04001	. . Phosphodiesterase I (3.1.4.1)	301/06013	. . Iduronate-2-sulfatase (3.1.6.13)
301/04002	. . Glycerophosphocholine phosphodiesterase (3.1.4.2)	301/06014	. . N-Acetylglucosamine-6-sulfatase (3.1.6.14)
301/04003	. . Phospholipase C (3.1.4.3)	301/06015	. . N-Sulfoglucosamine-3-sulfatase (3.1.6.15)
301/04004	. . Phospholipase D (3.1.4.4)	301/06016	. . Monomethyl-sulfatase (3.1.6.16)
301/04011	. . Phosphoinositide phospholipase C (3.1.4.11)	301/06017	. . D-Lactate-2-sulfatase (3.1.6.17)
301/04012	. . Sphingomyelin phosphodiesterase (3.1.4.12)	301/06018	. . Glucuronate-2-sulfatase (3.1.6.18)
301/04013	. . Serine-ethanolaminephosphate phosphodiesterase (3.1.4.13)	301/07	. . Diphosphoric monoester hydrolases (3.1.7)
301/04014	. . [Acyl-carrier-protein] phosphodiesterase (3.1.4.14)	301/07001	. . Prenyl-diphosphatase (3.1.7.1)
301/04015	. . Adenylyl-[glutamate--ammonia ligase] hydrolase (3.1.4.15)	301/07002	. . Guanosine-3',5'-bis(diphosphate) 3'-diphosphatase (3.1.7.2)
301/04016	. . 2',3'-Cyclic-nucleotide 2'-phosphodiesterase (3.1.4.16)	301/07003	. . Monoterpenyl-diphosphatase (3.1.7.3)
		301/07004	. . Sclareol cyclase (3.1.7.4)
		301/07005	. . Geranylgeranyl diphosphate diphosphatase (3.1.7.5)

- 301/07006 . . Farnesyl diphosphatase (3.1.7.6)
- 301/07007 . . Drimenol cyclase (3.1.7.7)
- 301/07008 . . Tuberculosinol synthase (3.1.7.8)
- 301/07009 . . Isotuberculosinol synthase (3.1.7.9)
- 301/0701 . . (13E)-Labda-7,13-dien-15-ol synthase (3.1.7.10)
- 301/07011 . . Geranyl diphosphate diphosphatase (3.1.7.11)
- 301/08 . . Phosphoric triester hydrolases (3.1.8)
- 301/08001 . . Aryldialkylphosphatase (3.1.8.1), i.e. paraoxonase
- 301/08002 . . Diisopropyl-fluorophosphatase (3.1.8.2)
- 301/11 . . Exodeoxyribonucleases producing 5'-phosphomonoesters (3.1.11)
- 301/11001 . . Exodeoxyribonuclease I (3.1.11.1)
- 301/11002 . . Exodeoxyribonuclease III (3.1.11.2)
- 301/11003 . . Exodeoxyribonuclease (lambda-induced) (3.1.11.3)
- 301/11004 . . Exodeoxyribonuclease (phage SP3-induced) (3.1.11.4)
- 301/11005 . . Exodeoxyribonuclease V (3.1.11.5)
- 301/11006 . . Exodeoxyribonuclease VII (3.1.11.6)
- 301/13 . . Exoribonucleases producing 5'-phosphomonoesters (3.1.13)
- 301/13001 . . Exoribonuclease II (3.1.13.1)
- 301/13002 . . Exoribonuclease H (3.1.13.2)
- 301/13003 . . Oligonucleotidase (3.1.13.3)
- 301/13004 . . Poly(A)-specific ribonuclease (3.1.13.4)
- 301/13005 . . Ribonuclease D (3.1.13.5)
- 301/14 . . Exoribonucleases producing 3'-phosphomonoesters (3.1.14)
- 301/14001 . . Yeast ribonuclease (3.1.14.1)
- 301/15 . . Exonucleases active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters (3.1.15)
- 301/15001 . . Venom exonuclease (3.1.15.1)
- 301/16 . . Exonucleases active with either ribo- or deoxyribonucleic acids and producing 3'-phosphomonoesters (3.16)
- 301/16001 . . Spleen exonuclease (3.1.16.1), i.e. 5->3 exoribonuclease
- 301/21 . . Endodeoxyribonucleases producing 5'-phosphomonoesters (3.1.21)
- 301/21001 . . Deoxyribonuclease I (3.1.21.1)
- 301/21002 . . Deoxyribonuclease IV (phage-T(4)-induced) (3.1.21.2)
- 301/21003 . . Type I site-specific deoxyribonuclease (3.1.21.3)
- 301/21004 . . Type II site-specific deoxyribonuclease (3.1.21.4)
- 301/21005 . . Type III site-specific deoxyribonuclease (3.1.21.5)
- 301/21006 . . CC-preferring endodeoxyribonuclease (3.1.21.6)
- 301/21007 . . Deoxyribonuclease V (3.1.21.7)
- 301/22 . . Endodeoxyribonucleases producing 3'-phosphomonoesters (3.1.22)
- 301/22001 . . Deoxyribonuclease II (3.1.22.1)
- 301/22002 . . Aspergillus deoxyribonuclease K(1) (3.1.22.2)
- 301/22004 . . Crossover junction endodeoxyribonuclease (3.1.22.4)
- 301/22005 . . Deoxyribonuclease X (3.1.22.5)
- 301/25 . . Site-specific endodeoxyribonucleases specific for altered bases (3.1.25)
- 301/25001 . . Deoxyribonuclease (pyrimidine dimer)(3.1.25.1)
- 301/26 . . Endoribonucleases producing 5'-phosphomonoesters (3.1.26)
- 301/26001 . . Physarum polycephalum ribonuclease (3.1.26.1)
- 301/26002 . . Ribonuclease alpha (3.1.26.2)
- 301/26003 . . Ribonuclease III (3.1.26.3)
- 301/26004 . . Ribonuclease H (3.1.26.4)
- 301/26005 . . Ribonuclease P (3.1.26.5)
- 301/26006 . . Ribonuclease IV (3.1.26.6)
- 301/26007 . . Ribonuclease P4 (3.1.26.7)
- 301/26008 . . Ribonuclease M5 (3.1.26.8)
- 301/26009 . . Ribonuclease (poly-(U)-specific)(3.1.26.9)
- 301/2601 . . Ribonuclease IX (3.1.26.10)
- 301/26011 . . tRNase Z (3.1.26.11)
- 301/26012 . . Ribonuclease E (3.1.26.12)
- 301/26013 . . Retroviral ribonuclease H (3.1.26.13)
- 301/27 . . Endoribonucleases producing 3'-phosphomonoesters (3.1.27)
- 301/27001 . . Ribonuclease T2 (3.1.27.1)
- 301/27002 . . Bacillus subtilis ribonuclease (3.1.27.2)
- 301/27003 . . Ribonuclease T1 (3.1.27.3)
- 301/27004 . . Ribonuclease U2 (3.1.27.4)
- 301/27005 . . Pancreatic ribonuclease (3.1.27.5)
- 301/27006 . . Enterobacter ribonuclease (3.1.27.6)
- 301/27007 . . Ribonuclease F (3.1.27.7)
- 301/27008 . . Ribonuclease V (3.1.27.8)
- 301/27009 . . tRNA-intron endonuclease (3.1.27.9)
- 301/2701 . . rRNA endonuclease (3.1.27.10)
- 301/30 . . Endoribonucleases active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters (3.1.30)
- 301/30001 . . Aspergillus nuclease S1 (3.1.30.1)
- 301/30002 . . Serratia marcescens nuclease (3.1.30.2)
- 301/31 . . Endoribonucleases active with either ribo- or deoxyribonucleic acids and producing 3'-phosphomonoesters (3.1.31)
- 301/31001 . . Micrococcal nuclease (3.1.31.1)
- 302/00 Hydrolases acting on glycosyl compounds, i.e. glycosylases (3.2)**
- 302/01 . . Glycosidases, i.e. enzymes hydrolysing O- and S-glycosyl compounds (3.2.1)
- 302/01001 . . Alpha-amylase (3.2.1.1)
- 302/01002 . . Beta-amylase (3.2.1.2)
- 302/01003 . . Glucan 1,4-alpha-glucosidase (3.2.1.3), i.e. glucoamylase
- 302/01004 . . Cellulase (3.2.1.4), i.e. endo-1,4-beta-glucanase
- 302/01006 . . Endo-1,3(4)-beta-glucanase (3.2.1.6)
- 302/01007 . . Inulinase (3.2.1.7)
- 302/01008 . . Endo-1,4-beta-xylanase (3.2.1.8)
- 302/0101 . . Oligo-1,6-glucosidase (3.2.1.10), i.e. sucrase
- 302/01011 . . Dextranase (3.2.1.11)
- 302/01014 . . Chitinase (3.2.1.14)
- 302/01015 . . Polygalacturonase (3.2.1.15)
- 302/01017 . . Lysozyme (3.2.1.17)
- 302/01018 . . Exo-alpha-sialidase (3.2.1.18), i.e. trans-sialidase
- 302/01019 . . Heparinase (3.2.1.19)
- 302/0102 . . Alpha-glucosidase (3.2.1.20)
- 302/01021 . . Beta-glucosidase (3.2.1.21)
- 302/01022 . . Alpha-galactosidase (3.2.1.22)
- 302/01023 . . Beta-galactosidase (3.2.1.23), i.e. exo-(1->4)-beta-D-galactanase
- 302/01024 . . Alpha-mannosidase (3.2.1.24)
- 302/01025 . . Beta-mannosidase (3.2.1.25), i.e. mannanase
- 302/01026 . . Beta-fructofuranosidase (3.2.1.26), i.e. invertase
- 302/01028 . . Alpha,alpha-trehalase (3.2.1.28)
- 302/01031 . . Beta-glucuronidase (3.2.1.31)

302/01032	. . Xylan endo-1,3-beta-xylosidase (3.2.1.32), i.e. endo-1-3-beta-xylanase	302/01088	. . Beta-L-arabinosidase (3.2.1.88)
302/01033	. . Amylo-alpha-1,6-glucosidase (3.2.1.33)	302/01089	. . Arabinogalactan endo-beta-1,4-galactanase (3.2.1.89)
302/01035	. . Hyaluronoglucosaminidase (3.2.1.35), i.e. hyaluronidase	302/01091	. . Cellulose 1,4-beta-cellobiosidase (3.2.1.91)
302/01036	. . Hyaluronoglucuronidase (3.2.1.36)	302/01092	. . Peptidoglycan beta-N-acetylmuramidase (3.2.1.92)
302/01037	. . Xylan 1,4-beta-xylosidase (3.2.1.37)	302/01093	. . Alpha,alpha-phosphotrehalase (3.2.1.93)
302/01038	. . Beta-D-fucosidase (3.2.1.38)	302/01094	. . Glucan 1,6-alpha-isomaltosidase (3.2.1.94)
302/01039	. . Glucan endo-1,3-beta-D-glucosidase (3.2.1.39)	302/01095	. . Dextran 1,6-alpha-isomaltotriosidase (3.2.1.95)
302/0104	. . Alpha-L-rhamnosidase (3.2.1.40)	302/01096	. . Mannosyl-glycoprotein endo-beta-N-acetylglucosaminidase (3.2.1.96)
302/01041	. . Pullulanase (3.2.1.41)	302/01097	. . Glycopeptide alpha-N-acetylgalactosaminidase (3.2.1.97)
302/01042	. . GDP-glucosidase (3.2.1.42)	302/01098	. . Glucan 1,4-alpha-maltohexaosidase (3.2.1.98)
302/01043	. . Beta-L-rhamnosidase (3.2.1.43)	302/01099	. . Arabinan endo-1,5-alpha-L-arabinosidase (3.2.1.99)
302/01044	. . Fucoidanase (3.2.1.44)	302/011	. . Mannan 1,4-mannobiosidase (3.2.1.100)
302/01045	. . Glucosylceramidase (3.2.1.45), i.e. beta-glucocerebrosidase	302/01101	. . Mannan endo-1,6-alpha-mannosidase (3.2.1.101), i.e. endo-1,6-beta-mannanase
302/01046	. . Galactosylceramidase (3.2.1.46)	302/01102	. . Blood-group-substance endo-1,4-beta-galactosidase (3.2.1.102)
302/01047	. . Galactosylgalactosylglucosylceramidase (3.2.1.47)	302/01103	. . Keratan-sulfate endo-1,4-beta-galactosidase (3.2.1.103)
302/01048	. . Sucrose alpha-glucosidase (3.2.1.48), i.e. sucrase	302/01104	. . Steryl-beta-glucosidase (3.2.1.104)
302/01049	. . Alpha-N-acetylgalactosaminidase (3.2.1.49)	302/01105	. . 3-Alpha-(S)-strictosidine beta-glucosidase (3.2.1.105)
302/0105	. . Alpha-N-acetylglucosaminidase (3.2.1.50)	302/01106	. . Mannosyl-oligosaccharide glucosidase (3.2.1.106), i.e. glucosidase I
302/01051	. . Alpha-L-fucosidase (3.2.1.51)	302/01107	. . Protein-glucosylgalactosylhydroxylysine glucosidase (3.2.1.107)
302/01052	. . Beta-N-acetylhexosaminidase (3.2.1.52)	302/01108	. . Lactase (3.2.1.108)
302/01053	. . Beta-N-acetylgalactosaminidase (3.2.1.53)	302/01109	. . Endogalactosaminidase (3.2.1.109)
302/01054	. . Cyclomaltodextrinase (3.2.1.54), i.e. cyclodextrinase	302/01111	. . 1,3-Alpha-L-fucosidase (3.2.1.111), i.e. 1,3-alpha-fucosidase
302/01055	. . Alpha-N-arabinofuranosidase (3.2.1.55)	302/01112	. . 2-Deoxyglucosidase (3.2.1.112)
302/01056	. . Glucuronosyl-disulfoglucosamine glucuronidase (3.2.1.56), i.e. glycuronidase	302/01113	. . Mannosyl-oligosaccharide 1,2-alpha-mannosidase (3.2.1.113), i.e. alpha-1,2-mannosidase
302/01057	. . Isopullulanase (3.2.1.57)	302/01114	. . Mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase (3.2.1.114)
302/01058	. . Glucan 1,3-beta-glucosidase (3.2.1.58)	302/01115	. . Branched-dextran exo-1,2-alpha-glucosidase (3.2.1.115)
302/01059	. . Glucan endo-1,3-alpha-glucosidase (3.2.1.59)	302/01116	. . Glucan 1,4-alpha-maltotriohydrolase (3.2.1.116)
302/0106	. . Glucan 1,4-alpha-maltotetraohydrolase (3.2.1.60)	302/01117	. . Amygdalin beta-glucosidase (3.2.1.117)
302/01061	. . Mycodextranase (3.2.1.61)	302/01118	. . Prunasin beta-glucosidase (3.2.1.118), i.e. prunasin hydrolase
302/01062	. . Glycosylceramidase (3.2.1.62)	302/01119	. . Vicianin beta-glucosidase (3.2.1.119)
302/01063	. . 1,2-Alpha-L-fucosidase (3.2.1.63)	302/0112	. . Oligoxyloglucan beta-glycosidase (3.2.1.120)
302/01064	. . 2,6-Beta-fructan 6-levanbiohydrolase (3.2.1.64)	302/01121	. . Polymannuronate hydrolase (3.2.1.121)
302/01065	. . Levanase (3.2.1.65)	302/01122	. . Maltose-6'-phosphate glucosidase (3.2.1.122)
302/01066	. . Quercitrinase (3.2.1.66)	302/01123	. . Endoglycosylceramidase (3.2.1.123)
302/01067	. . Galacturan 1,4-alpha-galacturonidase (3.2.1.67)	302/01124	. . 3-Deoxy-2-octulosonidase (3.2.1.124)
302/01068	. . Isoamylase (3.2.1.68)	302/01125	. . Raucaffricine beta-glucosidase (3.2.1.125)
302/0107	. . Glucan 1,6-alpha-glucosidase (3.2.1.70)	302/01126	. . Coniferin beta-glucosidase (3.2.1.126)
302/01071	. . Glucan endo-1,2-beta-glucosidase (3.2.1.71)	302/01127	. . 1,6-alpha-L-fucosidase (3.2.1.127)
302/01072	. . Xylan 1,3-beta-xylosidase (3.2.1.72)	302/01128	. . Glycyrrhizinate beta-glucuronidase (3.2.1.128), i.e. GL beta-D-glucuronidase
302/01073	. . Licheninase (3.2.1.73)	302/01129	. . Endo-alpha-sialidase (3.2.1.129)
302/01074	. . Glucan 1,4-beta-glucosidase (3.2.1.74)	302/0113	. . Glycoprotein endo-alpha-1,2-mannosidase (3.2.1.130)
302/01075	. . Glucan endo-1,6-beta-glucosidase (3.2.1.75)	302/01131	. . Xylan alpha-1,2-glucuronosidase (3.2.1.131)
302/01076	. . L-Iduronidase (3.2.1.76)	302/01132	. . Chitosanase (3.2.1.132)
302/01077	. . Mannan 1,2-(1,3)-alpha-mannosidase (3.2.1.77)	302/01133	. . Glucan 1,4-alpha-maltohydrolase (3.2.1.133), i.e. maltogenic alpha-amylase
302/01078	. . Mannan endo-1,4-beta-mannosidase (3.2.1.78), i.e. endo-beta-mannanase		
302/0108	. . Fructan beta-fructosidase (3.2.1.80)		
302/01081	. . Beta-agarase (3.2.1.81)		
302/01082	. . Exo-poly-alpha-galacturonosidase (3.2.1.82)		
302/01083	. . Kappa-carrageenase (3.2.1.83)		
302/01084	. . Glucan 1,3-alpha-glucosidase (3.2.1.84), i.e. mutanase		
302/01085	. . 6-Phospho-beta-galactosidase (3.2.1.85)		
302/01086	. . 6-Phospho-beta-glucosidase (3.2.1.86)		
302/01087	. . Capsular-polysaccharide endo-1,3-alpha-galactosidase (3.2.1.87)		

- 302/01134 . . Difructose-anhydride synthase (3.2.1.134)
 302/01135 . . Neopullulanase (3.2.1.135)
 302/01136 . . Glucuronoarabinoxylan endo-1,4-beta-xylanase (3.2.1.136), i.e. feraxanase or feraxan-endoxylanase
 302/01137 . . Mannan exo-1,2-1,6-alpha-mannosidase (3.2.1.137)
 302/01139 . . Alpha-glucuronidase (3.2.1.139)
 302/0114 . . Lacto-N-biosidase (3.2.1.140)
 302/01141 . . 4-Alpha-D-[(1->4)-alpha-D-glucano] trehalose trehalohydrolase (3.2.1.141)
 302/01142 . . Limit dextrinase (3.2.1.142)
 302/01143 . . Poly(ADP-ribose) glycohydrolase (3.2.1.143)
 302/01144 . . 3-Deoxyoctulosonase (3.2.1.144)
 302/01145 . . Galactan 1,3-beta-galactosidase (3.2.1.145), i.e. arabinogalactan endo-1,3-beta-galactosidase
 302/01146 . . Beta-galactofuranosidase (3.2.1.146)
 302/01147 . . Thioglucosidase (3.2.1.147), i.e. myrosinase
 302/01149 . . Beta-primeverosidase (3.2.1.149)
 302/0115 . . Oligoxyloglucan reducing-end-specific cellobiohydrolase (3.2.1.150)
 302/01151 . . Xyloglucan-specific endo-beta-1,4-glucanase (3.2.1.151), i.e. endoxyloglucanase
 302/01152 . . Mannosylglycoprotein endo-beta-mannosidase (3.2.1.152)
 302/01153 . . Fructan beta-(2,1)-fructosidase (3.2.1.153)
 302/01154 . . Fructan beta-(2,6)-fructosidase (3.2.1.154)
 302/01155 . . Xyloglucan-specific exo-beta-1,4-glucanase (3.2.1.155), i.e. exoxyloglucanase
 302/01156 . . Oligosaccharide reducing-end xylanase (3.2.1.156)
 302/01157 . . Iota-carrageenase (3.2.1.157)
 302/01158 . . Alpha-agarase (3.2.1.158)
 302/01159 . . Alpha-neoagaro-oligosaccharide hydrolase (3.2.1.159)
 302/01161 . . Beta-apiosyl-beta-glucosidase (3.2.1.161)
 302/01162 . . Lambda-carrageenase (3.2.1.162)
 302/01163 . . 1,6-Alpha-D-mannosidase (3.2.1.163)
 302/01164 . . Galactan endo-1,6-beta-galactosidase (3.2.1.164)
 302/01165 . . Exo-1,4-beta-D-glucosaminidase (3.2.1.165), i.e. exochitosanase
 302/01166 . . Heparanase (3.2.1.166)
 302/01167 . . Baicalin-beta-D-glucuronidase (3.2.1.167)
 302/01168 . . Hesperidin 6-O-alpha-L-rhamnosyl-beta-D-glucosidase (3.2.1.168)
 302/01169 . . Protein O-GlcNAcase (3.2.1.169)
 302/0117 . . Mannosylglycerate hydrolase (3.2.1.170)
 302/01171 . . Rhamnogalacturonan hydrolase (3.2.1.171), i.e. rhamnogalacturonase
 302/01172 . . Unsaturated rhamnogalacturonyl hydrolase (3.2.1.172)
 302/01173 . . Rhamnogalacturonan galacturonohydrolase (3.2.1.173)
 302/01174 . . Rhamnogalacturonan rhamnohydrolase (3.2.1.174)
 302/01175 . . Beta-D-glucopyranosyl abscisate beta-glucosidase (3.2.1.175)
 302/01176 . . Cellulose 1,4-beta-cellobiosidase (reducing end) (3.2.1.176)
 302/01177 . . Alpha-D-xyloside xylohydrolase (3.2.1.177)
 302/01178 . . Beta-porphyrane (3.2.1.178)
 302/01179 . . Gellan tetrasaccharide unsaturated glucuronyl hydrolase (3.2.1.179)
 302/0118 . . Unsaturated chondroitin disaccharide hydrolase (3.2.1.180)
 302/01181 . . Galactan endo-beta-1,3-galactanase (3.2.1.181)
 302/01182 . . 4-Hydroxy-7-methoxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl glucoside beta-D-glucosidase (3.2.1.182)
 302/01183 . . UDP-N-acetylglucosamine 2-epimerase (hydrolysing) (3.2.1.183)
 302/01184 . . UDP-N,N'-diacetylglucosamine 2-epimerase (hydrolysing) (3.2.1.184)
 302/02 . . hydrolysing N-glycosyl compounds (3.2.2)
 302/02001 . . Purine nucleosidase (3.2.2.1)
 302/02002 . . Inosine nucleosidase (3.2.2.2)
 302/02003 . . Uridine nucleosidase (3.2.2.3)
 302/02004 . . AMP nucleosidase (3.2.2.4)
 302/02005 . . NAD⁺ nucleosidase (3.2.2.5)
 302/02006 . . NAD(P)⁺ nucleosidase (3.2.2.6)
 302/02007 . . Adenosine nucleosidase (3.2.2.7)
 302/02008 . . Ribosylpyrimidine nucleosidase (3.2.2.8)
 302/02009 . . Adenosylhomocysteine nucleosidase (3.2.2.9)
 302/0201 . . Pyrimidine-5'-nucleotide nucleosidase (3.2.2.10)
 302/02011 . . Beta-aspartyl-N-acetylglucosaminidase (3.2.2.11)
 302/02012 . . Inosinate nucleosidase (3.2.2.12)
 302/02013 . . 1-Methyladenosine nucleosidase (3.2.2.13)
 302/02014 . . NMN nucleosidase (3.2.2.14)
 302/02015 . . DNA-deoxyinosine glycosylase (3.2.2.15)
 302/02016 . . Methylthioadenosine nucleosidase (3.2.2.16)
 302/02017 . . Deoxyribodipyrimidine endonucleosidase (3.2.2.17)
 302/02019 . . Protein ADP-ribosylarginine hydrolase (3.2.2.19)
 302/0202 . . DNA-3-methyladenine glycosylase I (3.2.2.20), i.e. adenine DNA glycosylase
 302/02021 . . DNA-3-methyladenine glycosylase II (3.2.2.21)
 302/02022 . . rRNA N-glycosylase (3.2.2.22)
 302/02023 . . DNA-formamidopyrimidine glycosylase (3.2.2.23)
 302/02024 . . ADP-ribosyl-[dinitrogen reductase] hydrolase (3.2.2.24)
 302/02025 . . N-Methyl nucleosidase (3.2.2.25)
 302/02026 . . Futosine hydrolase (3.2.2.26)
 302/02027 . . Uracil-DNA glycosylase (3.2.2.27)
 302/02028 . . Double-stranded uracil-DNA glycosylase (3.2.2.28)
 302/02029 . . Thymine-DNA glycosylase (3.2.2.29)
303/00 Hydrolases acting on ether bonds (3.3)
 303/01 . . Thioether and trialkylsulfonium hydrolases (3.3.1)
 303/01001 . . Adenosylhomocysteinase (3.3.1.1)
 303/01002 . . Adenosylmethionine hydrolase (3.3.1.2)
 303/02 . . Ether hydrolases (3.3.2)
 303/02001 . . Isochorismatase (3.3.2.1)
 303/02002 . . Alkenylglycerophosphocholine hydrolase (3.3.2.2)
 303/02003 . . Epoxide hydrolase (3.3.2.3) ([C12Y 303/02009](#), [C12Y 303/0201](#) take precedence)
 303/02004 . . Trans-epoxysuccinate hydrolase (3.3.2.4)
 303/02005 . . Alkenylglycerophosphoethanolamine hydrolase (3.3.2.5)
 303/02006 . . Leukotriene-A4 hydrolase (3.3.2.6)
 303/02007 . . Hepoxilin-epoxide hydrolase (3.3.2.7)
 303/02008 . . Limonene-1,2-epoxide hydrolase (3.3.2.8)
 303/02009 . . Microsomal epoxide hydrolase (3.3.2.9), i.e. styreneepoxide hydrolase

- 303/0201 . . Soluble epoxide hydrolase (3.3.2.10)
 303/02011 . . Cholesterol-5,6-oxide hydrolase (3.3.2.11)
- 304/00 Hydrolases acting on peptide bonds, i.e. peptidases (3.4)**
- 304/11 . Aminopeptidases (3.4.11)
 304/11001 . . Leucyl aminopeptidase (3.4.11.1)
 304/11002 . . Membrane alanyl aminopeptidase (3.4.11.2), i.e. aminopeptidase N
 304/11003 . . Cystinyl aminopeptidase (3.4.11.3)
 304/11004 . . Tripeptide aminopeptidase (3.4.11.4)
 304/11005 . . Prolyl aminopeptidase (3.4.11.5)
 304/11006 . . Aminopeptidase B (3.4.11.6)
 304/11007 . . Glutamyl aminopeptidase (3.4.11.7)
 304/11009 . . Xaa-Pro aminopeptidase (3.4.11.9), i.e. aminopeptidase P
 304/1101 . . Bacterial leucyl aminopeptidase (3.4.11.10)
 304/11011 . . Aminopeptidase (3.4.11.11)
 304/11013 . . Clostridial aminopeptidase (3.4.11.13)
 304/11014 . . Cytosol alanyl aminopeptidase (3.4.11.14)
 304/11015 . . Aminopeptidase Y (3.4.11.15), i.e. lysyl aminopeptidase
 304/11016 . . Xaa-Trp aminopeptidase (3.4.11.16)
 304/11017 . . Tryptophanyl aminopeptidase (3.4.11.17)
 304/11018 . . Methionyl aminopeptidase (3.4.11.18)
 304/11019 . . D-Stereospecific aminopeptidase (3.4.11.19)
 304/1102 . . Aminopeptidase Ey (3.4.11.20)
 304/11021 . . Aspartyl aminopeptidase (3.4.11.21)
 304/11022 . . Aminopeptidase I (3.4.11.22)
 304/11023 . . PepB aminopeptidase (3.4.11.23)
 304/11024 . . Aminopeptidase S (3.4.11.24)
 304/11025 . . Beta-peptidyl aminopeptidase (3.4.11.25)
 304/11026 . . Intermediate cleaving peptidase 55 (3.4.11.26)
 304/13 . Dipeptidases (3.4.13)
 304/13003 . . Xaa-His dipeptidase (3.4.13.3) ([C12Y 304/13018](#), [C12Y 304/1302](#) take precedence)
 304/13004 . . Xaa-Arg dipeptidase (3.4.13.4)
 304/13005 . . Xaa-methyl-His dipeptidase (3.4.13.5)
 304/13007 . . Glu-Glu dipeptidase (3.4.13.7)
 304/13009 . . Xaa-Pro dipeptidase (3.4.13.9) i.e. prolidase
 304/13011 . . Dipeptidase (3.4.13.11) ([C12Y 304/13018](#), [C12Y 304/13019](#) take precedence)
 304/13012 . . Met-Xaa dipeptidase (3.4.13.12)
 304/13017 . . Non-stereospecific dipeptidase (3.4.13.17)
 304/13018 . . Cytosol nonspecific dipeptidase (3.4.13.18), i.e. glycyl-leucine dipeptidase
 304/13019 . . Membrane dipeptidase (3.4.13.19)
 304/1302 . . Beta-Ala-His dipeptidase (3.4.13.20)
 304/13021 . . Dipeptidase E (3.4.13.21)
 304/13022 . . D-Ala-D-Ala dipeptidase (3.4.13.22)
 304/14 . Dipeptidyl-peptidases and tripeptidyl-peptidases (3.4.14)
 304/14001 . . Dipeptidyl-peptidase I (3.4.14.1), i.e. cathepsin-C
 304/14002 . . Dipeptidyl-peptidase II (3.4.14.2)
 304/14004 . . Dipeptidyl-peptidase III (3.4.14.4)
 304/14005 . . Dipeptidyl-peptidase IV (3.4.14.5)
 304/14006 . . Dipeptidyl-dipeptidase (3.4.14.6)
 304/14008 . . Tripeptidyl peptidase (3.4.14.8) ([C12Y 304/14009](#), [C12Y 304/1401](#) take precedence)
 304/14009 . . Tripeptidyl-peptidase I (3.4.14.9)
 304/1401 . . Tripeptidyl-peptidase II (3.4.14.10)
 304/14011 . . Xaa-Pro dipeptidyl-peptidase (3.4.14.11)
 304/14012 . . Xaa-Xaa-Pro tripeptidyl-peptidase (3.4.14.12), i.e. prolyltri-peptidyl aminopeptidase
 304/15 . Peptidyl-dipeptidases (3.4.15)
 304/15001 . . Peptidyl-dipeptidase A (3.4.15.1)
 304/15004 . . Peptidyl-dipeptidase B (3.4.15.4)
 304/15005 . . Peptidyl-dipeptidase Dcp (3.4.15.5)
 304/15006 . . Cyanophycinase (3.4.15.6)
 304/16 . Serine-type carboxypeptidases (3.4.16)
 304/16001 . . Serine carboxypeptidase (3.4.16.1) ([C12Y 304/16005](#), [C12Y 304/16006](#) take precedence)
 304/16002 . . Lysosomal Pro-Xaa carboxypeptidase (3.4.16.2)
 304/16004 . . Serine-type D-Ala-D-Ala carboxypeptidase (3.4.16.4)
 304/16005 . . Carboxypeptidase C (3.4.16.5), i.e. carboxypeptidase Y
 304/16006 . . Carboxypeptidase D (3.4.16.6)
 304/17 . Metallo-carboxypeptidases (3.4.17)
 304/17001 . . Carboxypeptidase A (3.4.17.1)
 304/17002 . . Carboxypeptidase B (3.4.17.2)
 304/17003 . . Lysine carboxypeptidase (3.4.17.3)
 304/17004 . . Gly-Xaa carboxypeptidase (3.4.17.4)
 304/17006 . . Alanine carboxypeptidase (3.4.17.6)
 304/17008 . . Muramoylpentapeptide carboxypeptidase (3.4.17.8)
 304/1701 . . Carboxypeptidase E (3.4.17.10)
 304/17011 . . Glutamate carboxypeptidase (3.4.17.11)
 304/17012 . . Carboxypeptidase M (3.4.17.12)
 304/17013 . . Muramoyltetrapeptide carboxypeptidase (3.4.17.13)
 304/17014 . . Zinc D-Ala-D-Ala carboxypeptidase (3.4.17.14)
 304/17015 . . Carboxypeptidase A2 (3.4.17.15)
 304/17016 . . Membrane Pro-Xaa carboxypeptidase (3.4.17.16)
 304/17017 . . Tubuliny-Tyr carboxypeptidase (3.4.17.17)
 304/17018 . . Carboxypeptidase T (3.4.17.18)
 304/17019 . . Carboxypeptidase Taq (3.4.17.19)
 304/1702 . . Carboxypeptidase U (3.4.17.20)
 304/17021 . . Glutamate carboxypeptidase II (3.4.17.21)
 304/17022 . . Metallo-carboxypeptidase D (3.4.17.22)
 304/17023 . . Angiotensin-converting enzyme 2 (3.4.17.23)
 304/18 . Cysteine-type carboxypeptidases (3.4.18)
 304/18001 . . Cathepsin X (3.4.18.1)
 304/19 . Omega peptidases (3.4.19)
 304/19001 . . Acylaminoacyl-peptidase (3.4.19.1)
 304/19002 . . Peptidyl-glycinamidase (3.4.19.2)
 304/19003 . . Pyroglutamyl-peptidase I (3.4.19.3)
 304/19005 . . Beta-aspartyl-peptidase (3.4.19.5)
 304/19006 . . Pyroglutamyl-peptidase II (3.4.19.6)
 304/19007 . . N-Formylmethionyl-peptidase (3.4.19.7)
 304/19009 . . Gamma-glutamyl hydrolase (3.4.19.9)
 304/19011 . . Gamma-D-glutamyl-meso-diaminopimelate peptidase (3.4.19.11)
 304/19012 . . Ubiquitinyl hydrolase 1 (3.4.19.12)
 304/19013 . . Glutathione hydrolase 1 (3.4.19.13)
 304/19014 . . Leukotriene-C4 hydrolase (3.4.19.14)
 304/21 . Serine endopeptidases (3.4.21)
 304/21001 . . Chymotrypsin (3.4.21.1)
 304/21002 . . Chymotrypsin C (3.4.21.2)
 304/21003 . . Metridin (3.4.21.3)
 304/21004 . . Trypsin (3.4.21.4)
 304/21005 . . Thrombin (3.4.21.5)
 304/21006 . . Coagulation factor Xa (3.4.21.6)

304/21007	. . Plasmin (3.4.21.7), i.e. fibrinolysin	304/21075	. . Furin (3.4.21.75)
304/21008	. . Kallikrein (3.4.21.8) (C12Y 304/21034, C12Y 304/21035 take precedence)	304/21076	. . Myeloblastin (3.4.21.76)
304/21009	. . Enteropeptidase (3.4.21.9), i.e. enterokinase	304/21077	. . Semenogelase (3.4.21.77), i.e. prostate specific antigen or PSA or kallikrein 3
304/2101	. . Acrosin (3.4.21.10)	304/21078	. . Granzyme A (3.4.21.78)
304/21011	. . Elastase (3.4.21.11) (C12Y 304/21036, C12Y 304/21037 take precedence)	304/21079	. . Granzyme B (3.4.21.79)
304/21012	. . Alpha-lytic endopeptidase (3.4.21.12)	304/2108	. . Streptogrisin A (3.4.21.80)
304/21014	. . Microbial serine proteases (3.4.21.14) (C12Y 304/21062 - C12Y 304/21067 takes precedence)	304/21081	. . Streptogrisin B (3.4.21.81)
304/21019	. . Glutamyl endopeptidase (3.4.21.19)	304/21082	. . Glutamyl endopeptidase II (3.4.21.82)
304/2102	. . Cathepsin G (3.4.21.20)	304/21083	. . Oligopeptidase B (3.4.21.83), i.e. trypsin-like protease
304/21021	. . Coagulation factor VIIa (3.4.21.21)	304/21084	. . limulus clotting factor C (3.4.21.84)
304/21022	. . Coagulation factor IXa (3.4.21.22)	304/21085	. . Limulus clotting factor B (3.4.21.85)
304/21025	. . Cucumisin (3.4.21.25)	304/21086	. . Limulus clotting enzyme (3.4.21.86)
304/21026	. . Prolyl oligopeptidase (3.4.21.26), i.e. proline-specific endopeptidase	304/21088	. . Repressor LexA (3.4.21.88)
304/21027	. . Coagulation factor XIa (3.4.21.27)	304/21089	. . Signal peptidase I (3.4.21.89)
304/21031	. . Urokinase (3.4.21.31) (C12Y 304/21068, C12Y 304/21073 take precedence)	304/2109	. . Togavirin (3.4.21.90)
304/21032	. . Brachyurin (3.4.21.32)	304/21091	. . Flavivirin (3.4.21.91)
304/21034	. . Plasma kallikrein (3.4.21.34)	304/21092	. . Endopeptidase Clp (3.4.21.92)
304/21035	. . Tissue kallikrein (3.4.21.35)	304/21093	. . Proprotein convertase 1 (3.4.21.93)
304/21036	. . Pancreatic elastase (3.4.21.36)	304/21094	. . Proprotein convertase 2 (3.4.21.94), i.e. prohormone convertase 2
304/21037	. . Leukocyte elastase (3.4.21.37), i.e. neutrophil-elastase	304/21095	. . Snake venom factor V activator (3.4.21.95)
304/21038	. . Coagulation factor XIIa (3.4.21.38)	304/21096	. . Lactocepin (3.4.21.96)
304/21039	. . Chymase (3.4.21.39)	304/21097	. . Assemblin (3.4.21.97)
304/21041	. . Complement subcomponent C1r (3.4.21.41)	304/21098	. . Hepacivirin (3.4.21.98)
304/21042	. . Complement subcomponent C1s (3.4.21.42)	304/21099	. . Spermosin (3.4.21.99)
304/21043	. . Classical-complement-pathway C3/C5 convertase (3.4.21.43)	304/211	. . Sedolisin (3.4.21.100)
304/21045	. . Complement factor I (3.4.21.45)	304/21101	. . Xanthomonalisin (3.4.21.101)
304/21046	. . Complement factor D (3.4.21.46)	304/21102	. . C-terminal processing peptidase (3.4.21.102)
304/21047	. . Alternative-complement-pathway C3/C5 convertase (3.4.21.47), i.e. properdin factor B	304/21103	. . Physarolisin (3.4.21.103), i.e. physaropepsin
304/21048	. . Cerevisin (3.4.21.48)	304/21104	. . Mannan-binding lectin-associated serine protease-2 (3.4.21.104)
304/21049	. . Hypodermin C (3.4.21.49)	304/21105	. . Rhomboid protease (3.4.21.105)
304/2105	. . Lysyl endopeptidase (3.4.21.50)	304/21106	. . Hepsin (3.4.21.106)
304/21053	. . Endopeptidase La (3.4.21.53)	304/21107	. . Peptidase Do (3.4.21.107)
304/21054	. . Gamma-renin (3.4.21.54)	304/21108	. . HtrA2 peptidase (3.4.21.108)
304/21055	. . Venombin AB (3.4.21.55)	304/21109	. . Matriptase (3.4.21.109)
304/21057	. . Leucyl endopeptidase (3.4.21.57)	304/2111	. . C5a peptidase (3.4.21.110)
304/21059	. . Trypsin (3.4.21.59)	304/21111	. . Aqualysin 1 (3.4.21.111)
304/2106	. . Scutellarin (3.4.21.60)	304/21112	. . Site-1 protease (3.4.21.112), i.e. subtilisin kexin isozyme-1
304/21061	. . Kexin (3.4.21.61), i.e. proprotein convertase subtilisin/kexin type 9	304/21113	. . Pestivirus NS3 polyprotein peptidase (3.4.21.113)
304/21062	. . Subtilisin (3.4.21.62)	304/21114	. . Equine arterivirus serine peptidase (3.4.21.114)
304/21063	. . Oryzin (3.4.21.63)	304/21115	. . Infectious pancreatic necrosis birnavirus Vp4 peptidase (3.4.21.115)
304/21064	. . Peptidase K (3.4.21.64)	304/21116	. . SpoIVB peptidase (3.4.21.116)
304/21065	. . Thermomycolin (3.4.21.65)	304/21117	. . Stratum corneum chymotryptic enzyme (3.4.21.117)
304/21066	. . Thermitase (3.4.21.66)	304/21118	. . Kallikrein 8 (3.4.21.118)
304/21067	. . Endopeptidase So (3.4.21.67)	304/21119	. . Kallikrein 13 (3.4.21.119)
304/21068	. . Tissue plasminogen activator (3.4.21.68), i.e. tPA	304/2112	. . Oviductin (3.4.21.120)
304/21069	. . Protein C activated (3.4.21.69)	304/21826	. . Proprotein convertase 5 (3.4.21.B26)
304/2107	. . Pancreatic endopeptidase E (3.4.21.70)	304/22	. . Cysteine endopeptidases (3.4.22)
304/21071	. . Pancreatic elastase II (3.4.21.71)	304/22001	. . Cathepsin B (3.4.22.1)
304/21072	. . IgA-specific serine endopeptidase (3.4.21.72)	304/22002	. . Papain (3.4.22.2)
304/21073	. . u-Plasminogen activator (3.4.21.73), i.e. urokinase	304/22003	. . Ficin (3.4.22.3)
304/21074	. . Venombin A (3.4.21.74)	304/22004	. . Bromelain (3.4.22.4) (C12Y 304/22032, C12Y 304/22033 take precedence)
		304/22006	. . Chymopapain (3.4.22.6)
		304/22007	. . Asclepain (3.4.22.7)
		304/22008	. . Clostripain (3.4.22.8)

304/2201	. . Streptopain (3.4.22.10)	304/23005	. . Cathepsin D (3.4.23.5)
304/22014	. . Actinidain (3.4.22.14)	304/23006	. . Microbial carboxyl proteinases (3.4.23.6) (C12Y 304/23018 - C12Y 304/23028 , C12Y 304/2303 take precedence)
304/22015	. . Cathepsin L (3.4.22.15)	304/23012	. . Nepenthesin (3.4.23.12)
304/22016	. . Cathepsin H (3.4.22.16)	304/23015	. . Renin (3.4.23.15)
304/22017	. . Calpain (3.4.22.17) (C12Y 304/22052 , C12Y 304/22053 take precedence)	304/23016	. . HIV-1 retropepsin (3.4.23.16)
304/22024	. . Cathepsin T (3.4.22.24)	304/23017	. . Pro-opiomelanocortin converting enzyme (3.4.23.17)
304/22025	. . Glycyl endopeptidase (3.4.22.25)	304/23018	. . Aspergillopepsin I (3.4.23.18)
304/22026	. . Cancer procoagulant (3.4.22.26)	304/23019	. . Aspergillopepsin II (3.4.23.19)
304/22027	. . Cathepsin S (3.4.22.27)	304/2302	. . Penicillopepsin (3.4.23.20)
304/22028	. . Picornain 3C (3.4.22.28)	304/23021	. . Rhizopuspepsin (3.4.23.21)
304/22029	. . Picornain 2A (3.4.22.29)	304/23022	. . Endothiapepsin (3.4.23.22)
304/2203	. . Caricain (3.4.22.30)	304/23023	. . Mucorpepsin (3.4.23.23)
304/22031	. . Ananain (3.4.22.31)	304/23024	. . Candidapepsin (3.4.23.24)
304/22032	. . Stem bromelain (3.4.22.32)	304/23025	. . Saccharopepsin (3.4.23.25), i.e. yeast proteinase A
304/22033	. . Fruit bromelain (3.4.22.33), i.e. juice bromelain	304/23026	. . Rhodotorulapepsin (3.4.23.26)
304/22034	. . Legumain (3.4.22.34), i.e. asparaginyl endopeptidase	304/23028	. . Acrocyllidopepsin (3.4.23.28)
304/22035	. . Histolysain (3.4.22.35)	304/23029	. . Polyporopepsin (3.4.23.29)
304/22036	. . Caspase-1 (3.4.22.36), i.e. interleukin-1-beta- convertase	304/2303	. . Pycnoporopepsin (3.4.23.30)
304/22037	. . Gingipain R (3.4.22.37)	304/23031	. . Scytalidopepsin A (3.4.23.31)
304/22038	. . Cathepsin K (3.4.22.38)	304/23032	. . Scytalidopepsin B (3.4.23.32)
304/22039	. . Adenain (3.4.22.39)	304/23034	. . Cathepsin E (3.4.23.34)
304/2204	. . Bleomycin hydrolase (3.4.22.40)	304/23035	. . Barrierpepsin (3.4.23.35)
304/22041	. . Cathepsin F (3.4.22.41)	304/23036	. . Signal peptidase II (3.4.23.36)
304/22042	. . Cathepsin O (3.4.22.42)	304/23038	. . Plasmepsin I (3.4.23.38)
304/22043	. . Cathepsin V (3.4.22.43)	304/23039	. . Plasmepsin II (3.4.23.39)
304/22044	. . Nuclear-inclusion-a endopeptidase (3.4.22.44)	304/2304	. . Phytpepsin (3.4.23.40)
304/22045	. . Helper-component proteinase (3.4.22.45)	304/23041	. . Yapsin 1 (3.4.23.41)
304/22046	. . L-Peptidase (3.4.22.46)	304/23042	. . Thermopsin (3.4.23.42)
304/22047	. . Gingipain K (3.4.22.47)	304/23043	. . Prepilin peptidase (3.4.23.43)
304/22048	. . Staphopain (3.4.22.48)	304/23044	. . Nodavirus endopeptidase (3.4.23.44)
304/22049	. . Separase (3.4.22.49)	304/23045	. . Memapsin 1 (3.4.23.45), i.e. beta-secretase 2 or BACE2
304/2205	. . V-Cath endopeptidase (3.4.22.50)	304/23046	. . Memapsin 2 (3.4.23.46), i.e. beta-secretase 1 or BACE
304/22051	. . Cruzipain (3.4.22.51)	304/23047	. . HIV-2 retropepsin (3.4.23.47)
304/22052	. . Calpain-1 (3.4.22.52)	304/23048	. . Plasminogen activator Pla (3.4.23.48)
304/22053	. . Calpain-2 (3.4.22.53), i.e. m-calpain	304/23049	. . Omptin (3.4.23.49)
304/22054	. . Calpain-3 (3.4.22.54), i.e. calpain p94	304/2305	. . Human endogenous retrovirus K endopeptidase (3.4.23.50)
304/22055	. . Caspase-2 (3.4.22.55)	304/23051	. . HycI peptidase (3.4.23.51)
304/22056	. . Caspase-3 (3.4.22.56)	304/23052	. . Preflagellin peptidase (3.4.23.52)
304/22057	. . Caspase-4 (3.4.22.57)	304/24	. . Metalloendopeptidases (3.4.24)
304/22058	. . Caspase-5 (3.4.22.58)	304/24001	. . Atrolysin A (3.4.24.1)
304/22059	. . Caspase-6 (3.4.22.59)	304/24003	. . Microbial collagenase (3.4.24.3)
304/2206	. . Caspase-7 (3.4.22.60)	304/24004	. . Microbial metalloproteinases (3.4.24.4) (C12Y 304/24025 - C12Y 304/24032 , C12Y 304/24039 , C12Y 304/2404 take precedence)
304/22061	. . Caspase-8 (3.4.22.61)	304/24005	. . Lens neutral proteinase (3.4.24.5) (C12Y 304/22052 , C12Y 304/22053 , C12Y 304/25001 take precedence)
304/22062	. . Caspase-9 (3.4.22.62)	304/24006	. . Leucolysin (3.4.24.6)
304/22063	. . Caspase-10 (3.4.22.63)	304/24007	. . Interstitial collagenase (3.4.24.7), i.e. matrix metalloproteinase 1 or MMP1
304/22064	. . Caspase-11 (3.4.22.64)	304/24011	. . Neprilysin (3.4.24.11), i.e. enkephalinase or neutral endopeptidase 24.11
304/22065	. . Peptidase 1 (mite) (3.4.22.65)	304/24012	. . Envelysin (3.4.24.12)
304/22066	. . Calicivirin (3.4.22.66)	304/24013	. . IgA-specific metalloendopeptidase (3.4.24.13)
304/22067	. . Zingipain (3.4.22.67)		
304/22068	. . Ulp1 peptidase (3.4.22.68)		
304/22069	. . SARS coronavirus main proteinase (3.4.22.69)		
304/2207	. . Sortase A (3.4.22.70)		
304/22071	. . Sortase B (3.4.22.71)		
304/23	. . Aspartic endopeptidases (3.4.23)		
304/23001	. . Pepsin A (3.4.23.1)		
304/23002	. . Pepsin B (3.4.23.2)		
304/23003	. . Gastricsin (3.4.23.3)		
304/23004	. . Chymosin (3.4.23.4), i.e. rennin		

- 304/24014 . . Procollagen N-endorpeptidase (3.4.24.14)
 304/24015 . . Thimet oligopeptidase (3.4.24.15)
 304/24016 . . Neurolysin (3.4.24.16)
 304/24017 . . Stromelysin 1 (3.4.24.17)
 304/24018 . . Meprin A (3.4.24.18)
 304/24019 . . Procollagen C-endorpeptidase (3.4.24.19)
 304/2402 . . Peptidyl-Lys metalloendorpeptidase (3.4.24.20)
 304/24021 . . Astacin (3.4.24.21)
 304/24022 . . Stromelysin 2 (3.4.24.22)
 304/24023 . . Matrilysin (3.4.24.23)
 304/24024 . . Gelatinase A (3.4.24.24), i.e. matrix metalloproteinase 2 or MMP2
 304/24025 . . Vibriolysin (3.4.24.25)
 304/24026 . . Pseudolysin (3.4.24.26)
 304/24027 . . Thermolysin (3.4.24.27)
 304/24028 . . Bacillolysin (3.4.24.28)
 304/24029 . . Aureolysin (3.4.24.29)
 304/2403 . . Coccolysin (3.4.24.30)
 304/24031 . . Mycolysin (3.4.24.31)
 304/24032 . . Beta-lytic metalloendorpeptidase (3.4.24.32)
 304/24033 . . Peptidyl-Asp metalloendorpeptidase (3.4.24.33)
 304/24034 . . Neutrophil collagenase (3.4.24.34)
 304/24035 . . Gelatinase B (3.4.24.35), i.e. matrix metalloproteinase 9 or MMP9
 304/24036 . . Leishmanolysin (3.4.24.36)
 304/24037 . . Saccharolysin (3.4.24.37), i.e. yeast cysteine proteinase D
 304/24038 . . Gametolysin (3.4.24.38), i.e. cell wall lytic enzyme
 304/24039 . . Deuterolysin (3.4.24.39)
 304/2404 . . Serralysin (3.4.24.40)
 304/24041 . . Atrolysin B (3.4.24.41)
 304/24042 . . Atrolysin C (3.4.24.42)
 304/24043 . . Atroxase (3.4.24.43)
 304/24044 . . Atrolysin E (3.4.24.44)
 304/24045 . . Atrolysin F (3.4.24.45)
 304/24046 . . Adamalysin (3.4.24.46)
 304/24047 . . Horrilysin (3.4.24.47)
 304/24048 . . Ruberlysin (3.4.24.48)
 304/24049 . . Bothropasin (3.4.24.49)
 304/2405 . . Bothrolysin (3.4.24.50)
 304/24051 . . Ophiolysin (3.4.24.51)
 304/24052 . . Trimerelysin I (3.4.24.52)
 304/24053 . . Trimerelysin II (3.4.24.53)
 304/24054 . . Mucrolysin (3.4.24.54)
 304/24055 . . Pitrilysin (3.4.24.55)
 304/24056 . . Insulysin (3.4.24.56)
 304/24057 . . O-Sialoglycoprotein endopeptidase (3.4.24.57), i.e. glycoproteinase
 304/24058 . . Russellysin (3.4.24.58)
 304/24059 . . Mitochondrial intermediate peptidase (3.4.24.59)
 304/2406 . . Dactylisin (3.4.24.60)
 304/24061 . . Nardilysin (3.4.24.61)
 304/24062 . . Magnolysin (3.4.24.62)
 304/24063 . . Meprin B (3.4.24.63)
 304/24064 . . Mitochondrial processing peptidase (3.4.24.64)
 304/24065 . . Macrophage elastase (3.4.24.65), i.e. metalloelastase
 304/24066 . . Choriolysin L (3.4.24.66)
 304/24067 . . Choriolysin H (3.4.24.67)
 304/24068 . . Tentoxilysin (3.4.24.68), i.e. tetanus neurotoxin
 304/24069 . . Bontoxilysin (3.4.24.69), i.e. botulinum neurotoxin
 304/2407 . . Oligopeptidase A (3.4.24.70)
 304/24071 . . Endothelin-converting enzyme 1 (3.4.24.71)
 304/24072 . . Fibrolase (3.4.24.72)
 304/24073 . . Jararhagin (3.4.24.73)
 304/24074 . . Fragilysin (3.4.24.74)
 304/24075 . . Lysostaphin (3.4.24.75)
 304/24076 . . Flavastacin (3.4.24.76)
 304/24077 . . Snapalysin (3.4.24.77)
 304/24078 . . GPR endopeptidase (3.4.24.78)
 304/24079 . . Pappalysin-1 (3.4.24.79)
 304/2408 . . Membrane-type matrix metalloproteinase-1 (3.4.24.80)
 304/24081 . . ADAM10 endopeptidase (3.4.24.81)
 304/24082 . . ADAMTS-4 endopeptidase (3.4.24.82), i.e. aggrecanase 1
 304/24083 . . Anthrax lethal factor endopeptidase (3.4.24.83)
 304/24084 . . Ste24 endopeptidase (3.4.24.84)
 304/24085 . . S2P endopeptidase (3.4.24.85)
 304/24086 . . ADAM 17 endopeptidase (3.4.24.86), i.e. TNF-alpha converting enzyme
 304/24087 . . ADAMTS13 endopeptidase (3.4.24.87)
 304/24812 . . ADAMTS5 endopeptidase (3.4.24.B12), i.e. aggrecanase 2
 304/25 . . Threonine endopeptidases (3.4.25)
 304/25001 . . Proteasome endopeptidase complex (3.4.25.1)
 304/25002 . . HslU--HslIV peptidase (3.4.25.2)
305/00 Hydrolases acting on carbon-nitrogen bonds, other than peptide bonds (3.5)
 305/01 . . in linear amides (3.5.1)
 305/01001 . . Asparaginase (3.5.1.1)
 305/01002 . . Glutaminase (3.5.1.2)
 305/01003 . . Omega-amidase (3.5.1.3)
 305/01004 . . Amidase (3.5.1.4)
 305/01005 . . Urease (3.5.1.5)
 305/01006 . . Beta-ureidopropionase (3.5.1.6)
 305/01007 . . Ureidosuccinase (3.5.1.7)
 305/01008 . . Formylaspartate deformylase (3.5.1.8)
 305/01009 . . Arylformamidase (3.5.1.9)
 305/0101 . . Formyltetrahydrofolate deformylase (3.5.1.10)
 305/01011 . . Penicillin amidase (3.5.1.11), i.e. penicillin-amidohydrolase
 305/01012 . . Biotinidase (3.5.1.12)
 305/01013 . . Aryl-acylamidase (3.5.1.13)
 305/01014 . . Aminoacylase (3.5.1.14)
 305/01015 . . Aspartoacylase (3.5.1.15)
 305/01016 . . Acetylornithine deacetylase (3.5.1.16)
 305/01017 . . Acyl-lysine deacylase (3.5.1.17)
 305/01018 . . Succinyl-diaminopimelate desuccinylase (3.5.1.18)
 305/01019 . . Nicotinamidase (3.5.1.19)
 305/0102 . . Citrullinase (3.5.1.20)
 305/01021 . . N-Acetyl-beta-alanine deacetylase (3.5.1.21)
 305/01022 . . Pantothenase (3.5.1.22)
 305/01023 . . Ceramidase (3.5.1.23)
 305/01024 . . Choloylglycine hydrolase (3.5.1.24), i.e. bile salt hydrolase
 305/01025 . . N-Acetylglucosamine-6-phosphate deacetylase (3.5.1.25)
 305/01026 . . N4-(Beta-N-acetylglucosaminyl)-L-asparaginase (3.5.1.26)

305/01027	. . N-Formylmethionylaminoacyl-tRNA deformylase (3.5.1.27)	305/01083	. . N-Acyl-D-aspartate deacylase (3.5.1.83)
305/01028	. . N-Acetylmuramoyl-L-alanine amidase (3.5.1.28)	305/01084	. . Biuret amidohydrolase (3.5.1.84)
305/01029	. . 2-(Acetamidomethylene)succinate hydrolase (3.5.1.29)	305/01085	. . (S)-N-Acetyl-1-phenylethylamine hydrolase (3.5.1.85)
305/0103	. . 5-Aminopentanamide (3.5.1.30)	305/01086	. . Mandelamide amidase (3.5.1.86)
305/01031	. . Formylmethionine deformylase (3.5.1.31)	305/01087	. . N-Carbamoyl-L-amino-acid hydrolase (3.5.1.87)
305/01032	. . Hippurate hydrolase (3.5.1.32)	305/01088	. . Peptide deformylase (3.5.1.88)
305/01033	. . N-Acetylglucosamine deacetylase (3.5.1.33)	305/01089	. . N-Acetylglucosaminylphosphatidylinositol deacetylase (3.5.1.89)
305/01035	. . D-Glutaminase (3.5.1.35)	305/0109	. . Adenosylcobinamide hydrolase (3.5.1.90)
305/01036	. . N-Methyl-2-oxoglutarate hydrolase (3.5.1.36)	305/01091	. . N-Substituted formamide deformylase (3.5.1.91)
305/01038	. . Glutamin-(asparagin-)ase (3.5.1.38)	305/01092	. . Pantetheine hydrolase (3.5.1.92)
305/01039	. . Alkylamidase (3.5.1.39)	305/01093	. . Glutaryl-7-aminocephalosporanic-acid acylase (3.5.1.93)
305/0104	. . Acylagmatine amidase (3.5.1.40)	305/01094	. . Gamma-glutamyl-gamma-aminobutyrate hydrolase (3.5.1.94)
305/01041	. . Chitin deacetylase (3.5.1.41)	305/01095	. . N-Malonylurea hydrolase (3.5.1.95)
305/01042	. . Nicotinamide-nucleotide amidase (3.5.1.42)	305/01096	. . Succinylglutamate desuccinylase (3.5.1.96)
305/01043	. . Peptidyl-glutaminase (3.5.1.43)	305/01097	. . Acyl-homoserine-lactone acylase (3.5.1.97)
305/01044	. . Protein-glutamine glutaminase (3.5.1.44)	305/01098	. . Histone deacetylase (3.5.1.98), i.e. sirtuin deacetylase
305/01046	. . 6-Aminohexanoate-dimer hydrolase (3.5.1.46)	305/01099	. . Fatty acid amide hydrolase (3.5.1.99)
305/01047	. . N-Acetyldiaminopimelate deacetylase (3.5.1.47)	305/011	. . (R)-Amidase (3.5.1.100)
305/01048	. . Acetylspermidine deacetylase (3.5.1.48)	305/01101	. . L-Proline amide hydrolase (3.5.1.101)
305/01049	. . Formamidase (3.5.1.49)	305/01102	. . 2-Amino-5-formylamino-6-ribosylaminopyrimidin-4(3H)-one 5'-monophosphate deformylase (3.5.1.102)
305/0105	. . Pentanamidase (3.5.1.50)	305/01103	. . N-Acetyl-1-D-myo-inositol-2-amino-2-deoxy-alpha-D-glucopyranoside deacetylase (3.5.1.103)
305/01051	. . 4-Acetamidobutyryl-CoA deacetylase (3.5.1.51)	305/01104	. . Peptidoglycan-N-acetylglucosamine deacetylase (3.5.1.104)
305/01052	. . Peptide-N4-(N-acetyl-beta-glucosaminyl)asparagine amidase (3.5.1.52), i.e. glycopeptidase	305/01105	. . Chitin disaccharide deacetylase (3.5.1.105)
305/01053	. . N-carbamoylputrescine amidase (3.5.1.53)	305/01106	. . N-formylmaleamate deformylase (3.5.1.106)
305/01054	. . Allophanate hydrolase (3.5.1.54)	305/01107	. . Maleamate amidohydrolase (3.5.1.107)
305/01055	. . Long-chain-fatty-acyl-glutamate deacylase (3.5.1.55)	305/01108	. . UDP-3-O-acyl-N-acetylglucosamine deacetylase (3.5.1.108)
305/01056	. . N,N-Dimethylformamidase (3.5.1.56)	305/01109	. . Sphingomyelin deacylase (3.5.1.109)
305/01057	. . Tryptophanamidase (3.5.1.57)	305/0111	. . Peroxyureidoacrylate/ureidoacrylate amidohydrolase (3.5.1.110)
305/01058	. . N-Benzoyloxycarbonylglycine hydrolase (3.5.1.58)	305/01111	. . 2-Oxoglutarate amidase (3.5.1.111)
305/01059	. . N-Carbamoylsarcosine amidase (3.5.1.59)	305/01112	. . 2'-N-Acetylparomamine deacetylase (3.5.1.112)
305/0106	. . N-(Long-chain-acyl)ethanolamine deacylase (3.5.1.60)	305/01113	. . 2'''-Acetyl-6'''-hydroxyneomycin C deacetylase (3.5.1.113)
305/01061	. . Mimosinase (3.5.1.61)	305/02	. . in cyclic amides (3.5.2)
305/01062	. . Acetylputrescine deacetylase (3.5.1.62)	305/02001	. . Barbiturase (3.5.2.1)
305/01063	. . 4-Acetamidobutyrate deacetylase (3.5.1.63)	305/02002	. . Dihydropyrimidinase (3.5.2.2), i.e. hydantoinase
305/01064	. . Nalpa-benzoyloxycarbonylleucine hydrolase (3.5.1.64)	305/02003	. . Dihydroorotase (3.5.2.3)
305/01065	. . Theanine hydrolase (3.5.1.65)	305/02004	. . Carboxymethylhydantoinase (3.5.2.4)
305/01066	. . 2-(Hydroxymethyl)-3-(acetamidomethylene)succinate hydrolase (3.5.1.66)	305/02005	. . Allantoinase (3.5.2.5)
305/01067	. . 4-Methyleneglutaminase (3.5.1.67)	305/02006	. . Beta-lactamase (3.5.2.6)
305/01068	. . N-Formylglutamate deformylase (3.5.1.68)	305/02007	. . Imidazolonepropionase (3.5.2.7)
305/01069	. . Glycosphingolipid deacylase (3.5.1.69)	305/02009	. . 5-Oxoprolinase (ATP-hydrolysing) (3.5.2.9)
305/0107	. . Aculeacin-A deacylase (3.5.1.70)	305/0201	. . Creatininase (3.5.2.10)
305/01071	. . N-Feruloylglycine deacylase (3.5.1.71)	305/02011	. . L-Lysine-lactamase (3.5.2.11)
305/01072	. . D-Benzoylarginine-4-nitroanilide amidase (3.5.1.72)	305/02012	. . 6-Aminohexanoate-cyclic-dimer hydrolase (3.5.2.12)
305/01073	. . Carnitinamidase (3.5.1.73)	305/02013	. . 2,5-Dioxopiperazine hydrolase (3.5.2.13)
305/01074	. . Chenodeoxycholytaurine hydrolase (3.5.1.74)	305/02014	. . N-Methylhydantoinase (ATP-hydrolyzing) (3.5.2.14)
305/01075	. . Urethanase (3.5.1.75)	305/02015	. . Cyanuric acid amidohydrolase (3.5.2.15)
305/01076	. . Arylalkyl acylamidase (3.5.1.76)	305/02016	. . Maleimide hydrolase (3.5.2.16)
305/01077	. . N-Carbamoyl-D-amino-acid hydrolase (3.5.1.77)	305/02017	. . Hydroxyisourate hydrolase (3.5.2.17)
305/01078	. . Glutathionylspermidine amidase (3.5.1.78)		
305/01079	. . Phthalyl amidase (3.5.1.79)		
305/01081	. . N-Acyl-D-amino-acid deacylase (3.5.1.81)		
305/01082	. . N-Acyl-D-glutamate deacylase (3.5.1.82)		

- 305/02018 . . Enamidase (3.5.2.18)
 305/02019 . . Streptothricin hydrolase (3.5.2.19)
 305/03 . . in linear amidines (3.5.3)
 305/03001 . . Arginase (3.5.3.1)
 305/03002 . . Guanidinoacetase (3.5.3.2)
 305/03003 . . Creatinase (3.5.3.3), i.e. creatine amidinohydrolase
 305/03004 . . Allantoicase (3.5.3.4)
 305/03005 . . Formimidoylaspartate deiminase (3.5.3.5)
 305/03006 . . Arginine deiminase (3.5.3.6)
 305/03007 . . Guanidinobutyrase (3.5.3.7)
 305/03008 . . Formimidoylglutamase (3.5.3.8)
 305/03009 . . Allantoate deiminase (3.5.3.9)
 305/0301 . . D-Arginase (3.5.3.10)
 305/03011 . . Agmatinase (3.5.3.11)
 305/03012 . . Agmatine deiminase (3.5.3.12)
 305/03013 . . Formimidoylglutamate deiminase (3.5.3.13)
 305/03014 . . Amidinoaspartase (3.5.3.14)
 305/03015 . . Protein-arginine deiminase (3.5.3.15)
 305/03016 . . Methylguanidinase (3.5.3.16)
 305/03017 . . Guanidinopropionase (3.5.3.17)
 305/03018 . . Dimethylargininase (3.5.3.18)
 305/03019 . . Ureidoglycolate hydrolase (3.5.3.19)
 305/0302 . . Diguanidinobutanase (3.5.3.20)
 305/03021 . . Methylenediurea deaminase (3.5.3.21)
 305/03022 . . Proclavaminase amidinohydrolase (3.5.3.22)
 305/03023 . . N-Succinylarginine dihydrolase (3.5.3.23)
 305/04 . . in cyclic amidines (3.5.4)
 305/04001 . . Cytosine deaminase (3.5.4.1)
 305/04002 . . Adenine deaminase (3.5.4.2)
 305/04003 . . Guanine deaminase (3.5.4.3)
 305/04004 . . Adenosine deaminase (3.5.4.4)
 305/04005 . . Cytidine deaminase (3.5.4.5)
 305/04006 . . AMP deaminase (3.5.4.6)
 305/04007 . . ADP deaminase (3.5.4.7)
 305/04008 . . Aminoimidazolase (3.5.4.8)
 305/04009 . . Methenyltetrahydrofolate cyclohydrolase (3.5.4.9)
 305/0401 . . IMP cyclohydrolase (3.5.4.10)
 305/04011 . . Pterin deaminase (3.5.4.11)
 305/04012 . . dCMP deaminase (3.5.4.12)
 305/04013 . . dCTP deaminase (3.5.4.13)
 305/04014 . . Deoxycytidine deaminase (3.5.4.14)
 305/04015 . . Guanosine deaminase (3.5.4.15)
 305/04016 . . GTP cyclohydrolase I (3.5.4.16)
 305/04017 . . Adenosine-phosphate deaminase (3.5.4.17)
 305/04018 . . ATP deaminase (3.5.4.18)
 305/04019 . . Phosphoribosyl-AMP cyclohydrolase (3.5.4.19)
 305/0402 . . Pyrithiamine deaminase (3.5.4.20)
 305/04021 . . Creatinine deaminase (3.5.4.21)
 305/04022 . . 1-Pyrroline-4-hydroxy-2-carboxylate deaminase (3.5.4.22)
 305/04023 . . Blasticidin-S deaminase (3.5.4.23)
 305/04024 . . Sepiapterin deaminase (3.5.4.24)
 305/04025 . . GTP cyclohydrolase II (3.5.4.25)
 305/04026 . . Diaminohydroxyphosphoribosylaminopyrimidine deaminase (3.5.4.26)
 305/04027 . . Methenyltetrahydromethanopterin cyclohydrolase (3.5.4.27)
 305/04028 . . S-Adenosylhomocysteine deaminase (3.5.4.28)
 305/04029 . . GTP cyclohydrolase IIa (3.5.4.29)
 305/0403 . . dCTP deaminase (dUMP-forming) (3.5.4.30)
 305/04031 . . S-Methyl-5'-thioadenosine deaminase (3.5.4.31)
 305/04032 . . 8-Oxoguanine deaminase (3.5.4.32)
 305/05 . . in nitriles (3.5.5)
 305/05001 . . Nitrilase (3.5.5.1)
 305/05002 . . Ricinine nitrilase (3.5.5.2)
 305/05004 . . Cyanoalanine nitrilase (3.5.5.4)
 305/05005 . . Arylacetonitrilase (3.5.5.5)
 305/05006 . . Bromoxynil nitrilase (3.5.5.6)
 305/05007 . . Aliphatic nitrilase (3.5.5.7)
 305/05008 . . Thiocyanate hydrolase (3.5.5.8)
 305/99 . . in other compounds (3.5.99)
 305/99001 . . Riboflavinase (3.5.99.1)
 305/99002 . . Thiaminase (3.5.99.2)
 305/99003 . . Hydroxydechloroatrazine ethylaminohydrolase (3.5.99.3)
 305/99004 . . N-isopropylammelide isopropylaminohydrolase (3.5.99.4)
 305/99005 . . 2-Aminomuconate deaminase (3.5.99.5)
 305/99006 . . Glucosamine-6-phosphate deaminase (3.5.99.6)
 305/99007 . . 1-Aminocyclopropane-1-carboxylate deaminase (3.5.99.7)
 305/99008 . . 5-Nitroanthranilic acid aminohydrolase (3.5.99.8)
 305/99009 . . 2-Nitroimidazole nitrohydrolase (3.5.99.9)
- 306/00 Hydrolases acting on acid anhydrides (3.6)**
 306/01 . . in phosphorus-containing anhydrides (3.6.1)
 306/01001 . . Inorganic diphosphatase (3.6.1.1)
 306/01002 . . Trimetaphosphatase (3.6.1.2)
 306/01003 . . Adenosine triphosphatase (3.6.1.3)
 306/01005 . . Apyrase (3.6.1.5), i.e. ATP diphosphohydrolase
 306/01006 . . Nucleoside-diphosphatase (3.6.1.6)
 306/01007 . . Acylphosphatase (3.6.1.7)
 306/01008 . . ATP diphosphatase (3.6.1.8)
 306/01009 . . Nucleotide diphosphatase (3.6.1.9), i.e. nucleotide-pyrophosphatase
 306/0101 . . Endopolyphosphatase (3.6.1.10)
 306/01011 . . Exopolyphosphatase (3.6.1.11)
 306/01012 . . dCTP diphosphatase (3.6.1.12)
 306/01013 . . ADP-ribose diphosphatase (3.6.1.13)
 306/01014 . . Adenosine-tetraphosphatase (3.6.1.14)
 306/01015 . . Nucleoside-triphosphatase (3.6.1.15)
 306/01016 . . CDP-glycerol diphosphatase (3.6.1.16)
 306/01017 . . Bis(5'-nucleosyl)-tetraphosphatase (asymmetrical) (3.6.1.17)
 306/01018 . . FAD diphosphatase (3.6.1.18)
 306/01019 . . Nucleoside-triphosphate diphosphatase (3.6.1.19)
 306/0102 . . 5'-Acylphosphoadenosine hydrolase (3.6.1.20)
 306/01021 . . ADP-sugar diphosphatase (3.6.1.21)
 306/01022 . . NAD⁺ diphosphatase (3.6.1.22)
 306/01023 . . dUTP diphosphatase (3.6.1.23)
 306/01024 . . Nucleoside phosphoacylhydrolase (3.6.1.24)
 306/01025 . . Triphosphatase (3.6.1.25)
 306/01026 . . CDP-diacylglycerol diphosphatase (3.6.1.26)
 306/01027 . . Undecaprenyl-diphosphate phosphatase (3.6.1.27)
 306/01028 . . Thiamine-triphosphatase (3.6.1.28)
 306/01029 . . Bis(5'-adenosyl)-triphosphatase (3.6.1.29)
 306/0103 . . m7G(5')pppN diphosphatase (3.6.1.30)
 (C12Y 306/01059 and C12Y 306/01062 take precedence)
 306/01031 . . Phosphoribosyl-ATP diphosphatase (3.6.1.31)
 306/01039 . . Thymidine-triphosphatase (3.6.1.39), i.e. T4 helicase

- 306/0104 . . Guanosine-5'-triphosphate,3'-diphosphate diphosphatase (3.6.1.40)
- 306/01041 . . Bis(5'-nucleosyl)-tetraphosphatase (symmetrical) (3.6.1.41)
- 306/01042 . . Guanosine-diphosphatase (3.6.1.42)
- 306/01043 . . Dolichyldiphosphatase (3.6.1.43)
- 306/01044 . . Oligosaccharide-diphosphodolichol diphosphatase (3.6.1.44)
- 306/01045 . . UDP-sugar diphosphatase (3.6.1.45)
- 306/01052 . . Diphosphoinositol-polyphosphate diphosphatase (3.6.1.52)
- 306/01053 . . Mn²⁺-dependent ADP-ribose/CDP-alcohol diphosphatase (3.6.1.53)
- 306/01054 . . UDP-2,3-diacylglucosamine diphosphatase (3.6.1.54)
- 306/01055 . . 8-Oxo-dGTP diphosphatase (3.6.1.55)
- 306/01056 . . 2-Hydroxy-dATP diphosphatase (3.6.1.56)
- 306/01057 . . UDP-2,4-diacetamido-2,4,6-trideoxy-beta-L-altropyranose hydrolase (3.6.1.57)
- 306/01058 . . 8-Oxo-dGDP phosphatase (3.6.1.58)
- 306/01059 . . m7GpppX diphosphatase (3.6.1.59)
- 306/0106 . . Diadenosine hexaphosphate hydrolase (AMP-forming) (3.6.1.60)
- 306/01061 . . Diadenosine hexaphosphate hydrolase (ATP-forming) (3.6.1.61)
- 306/01062 . . m7GpppN-mRNA hydrolase (3.6.1.62)
- 306/01063 . . Alpha-D-ribose 1-methylphosphonate 5-triphosphate diphosphatase (3.6.1.63)
- 306/02 . . in sulfonyl-containing anhydrides (3.6.2)
- 306/02001 . . Adenylylsulfatase (3.6.2.1)
- 306/02002 . . Phosphoadenylylsulfatase (3.6.2.2)
- 306/03 . . acting on acid anhydrides; catalysing transmembrane movement of substances (3.6.3)
- 306/03001 . . Phospholipid-translocating ATPase (3.6.3.1), i.e. Mg²⁺-ATPase
- 306/03002 . . Mg²⁺-importing ATPase (3.6.3.2)
- 306/03003 . . Cd²⁺-exporting ATPase (3.6.3.3)
- 306/03004 . . Cu²⁺-exporting ATPase (3.6.3.4)
- 306/03005 . . Zn²⁺-exporting ATPase (3.6.3.5)
- 306/03006 . . H⁺-exporting ATPase (3.6.3.6)
- 306/03007 . . Na⁺-exporting ATPase (3.6.3.7)
- 306/03008 . . Ca²⁺-transporting ATPase (3.6.3.8)
- 306/03009 . . Na⁺/K⁺-exchanging ATPase (3.6.3.9)
- 306/0301 . . H⁺/K⁺-exchanging ATPase (3.6.3.10)
- 306/03011 . . Cl⁻-transporting ATPase (3.6.3.11)
- 306/03012 . . K⁺-transporting ATPase (3.6.3.12)
- 306/03014 . . H⁺-transporting two-sector ATPase (3.6.3.14), i.e. F1 ATPase
- 306/03015 . . Na⁺-transporting two-sector ATPase (3.6.3.15)
- 306/03016 . . Arsenite-transporting ATPase (3.6.3.16)
- 306/03017 . . Monosaccharide-transporting ATPase (3.6.3.17)
- 306/03018 . . Oligosaccharide-transporting ATPase (3.6.3.18)
- 306/03019 . . Maltose-transporting ATPase (3.6.3.19)
- 306/0302 . . Glycerol-3-phosphate-transporting ATPase (3.6.3.20)
- 306/03021 . . Polar-amino-acid-transporting ATPase (3.6.3.21)
- 306/03022 . . Nonpolar-amino-acid-transporting ATPase (3.6.3.22)
- 306/03023 . . Oligopeptide-transporting ATPase (3.6.3.23)
- 306/03024 . . Nickel-transporting ATPase (3.6.3.24)
- 306/03025 . . Sulfate-transporting ATPase (3.6.3.25)
- 306/03026 . . Nitrate-transporting ATPase (3.6.3.26)
- 306/03027 . . Phosphate-transporting ATPase (3.6.3.27)
- 306/03028 . . Phosphonate-transporting ATPase (3.6.3.28)
- 306/03029 . . Molybdate-transporting ATPase (3.6.3.29)
- 306/0303 . . Fe³⁺-transporting ATPase (3.6.3.30)
- 306/03031 . . Polyamine-transporting ATPase (3.6.3.31)
- 306/03032 . . Quaternary-amine-transporting ATPase (3.6.3.32)
- 306/03033 . . Vitamin B12-transporting ATPase (3.6.3.33)
- 306/03034 . . Iron-chelate-transporting ATPase (3.6.3.34)
- 306/03035 . . Manganese-transporting ATPase (3.6.3.35)
- 306/03036 . . Taurine-transporting ATPase (3.6.3.36)
- 306/03037 . . Guanine-transporting ATPase (3.6.3.37)
- 306/03038 . . Capsular-polysaccharide-transporting ATPase (3.6.3.38)
- 306/03039 . . Lipopolysaccharide-transporting ATPase (3.6.3.39)
- 306/0304 . . Teichoic-acid-transporting ATPase (3.6.3.40)
- 306/03041 . . Heme-transporting ATPase (3.6.3.41)
- 306/03042 . . Beta-glucan-transporting ATPase (3.6.3.42)
- 306/03043 . . Peptide-transporting ATPase (3.6.3.43)
- 306/03044 . . Xenobiotic-transporting ATPase (3.6.3.44)
- 306/03046 . . Cadmium-transporting ATPase (3.6.3.46)
- 306/03047 . . Fatty-acyl-CoA-transporting ATPase (3.6.3.47)
- 306/03048 . . Alpha-factor-transporting ATPase (3.6.3.48)
- 306/03049 . . Channel-conductance-controlling ATPase (3.6.3.49)
- 306/0305 . . Protein-secreting ATPase (3.6.3.50)
- 306/03051 . . Mitochondrial protein-transporting ATPase (3.6.3.51)
- 306/03052 . . Chloroplast protein-transporting ATPase (3.6.3.52)
- 306/03053 . . Ag⁺-exporting ATPase (3.6.3.53)
- 306/04 . . acting on acid anhydrides; involved in cellular and subcellular movement (3.6.4)
- 306/04001 . . Myosin ATPase (3.6.4.1)
- 306/04002 . . Dynein ATPase (3.6.4.2)
- 306/04003 . . Microtubule-severing ATPase (3.6.4.3)
- 306/04004 . . Plus-end-directed kinesin ATPase (3.6.4.4)
- 306/04005 . . Minus-end-directed kinesin ATPase (3.6.4.5)
- 306/04006 . . Vesicle-fusing ATPase (3.6.4.6)
- 306/04007 . . Peroxisome-assembly ATPase (3.6.4.7)
- 306/04008 . . Proteasome ATPase (3.6.4.8)
- 306/04009 . . Chaperonin ATPase (3.6.4.9)
- 306/0401 . . Non-chaperonin molecular chaperone ATPase (3.6.4.10)
- 306/04011 . . Nucleoplasmin ATPase (3.6.4.11)
- 306/04012 . . DNA helicase (3.6.4.12)
- 306/04013 . . RNA helicase (3.6.4.13)
- 306/05 . . acting on GTP; involved in cellular and subcellular movement (3.6.5)
- 306/05001 . . Heterotrimeric G-protein GTPase (3.6.5.1)
- 306/05002 . . Small monomeric GTPase (3.6.5.2)
- 306/05003 . . Protein-synthesizing GTPase (3.6.5.3)
- 306/05004 . . Signal-recognition-particle GTPase (3.6.5.4)
- 306/05005 . . Dynamin GTPase (3.6.5.5)
- 306/05006 . . Tubulin GTPase (3.6.5.6)
- 307/00 Hydrolases acting on carbon-carbon bonds (3.7)**
- 307/01 . . in ketonic substances (3.7.1)
- 307/01001 . . Oxaloacetase (3.7.1.1)
- 307/01002 . . Fumarylacetoacetase (3.7.1.2)
- 307/01003 . . Kynureninase (3.7.1.3)
- 307/01004 . . Phloretin hydrolase (3.7.1.4)
- 307/01005 . . Acylpyruvate hydrolase (3.7.1.5)

307/01006	. . Acetylpyruvate hydrolase (3.7.1.6)	401/01	. Carboxy-lyases (4.1.1)
307/01007	. . Beta-diketone hydrolase (3.7.1.7)	401/01001	. . Pyruvate decarboxylase (4.1.1.1)
307/01008	. . 2,6-Dioxo-6-phenylhexa-3-enoate hydrolase (3.7.1.8)	401/01002	. . Oxalate decarboxylase (4.1.1.2)
307/01009	. . 2-Hydroxymuconate-semialdehyde hydrolase (3.7.1.9)	401/01003	. . Oxaloacetate decarboxylase (4.1.1.3)
307/0101	. . Cyclohexane-1,3-dione hydrolase (3.7.1.10)	401/01004	. . Acetoacetate decarboxylase (4.1.1.4)
307/01011	. . Cyclohexane-1,2-dione hydrolase (3.7.1.11)	401/01005	. . Acetolactate decarboxylase (4.1.1.5)
307/01012	. . Cobalt-precorin 5A hydrolase (3.7.1.12)	401/01006	. . Aconitate decarboxylase (4.1.1.6)
307/01013	. . 2-Hydroxy-6-oxo-6-(2-aminophenyl)hexa-2,4-dienoate hydrolase (3.7.1.13)	401/01007	. . Benzoylformate decarboxylase (4.1.1.7)
307/01014	. . 2-Hydroxy-6-oxonona-2,4-dienedioate hydrolase (3.7.1.14)	401/01008	. . Oxalyl-CoA decarboxylase (4.1.1.8)
307/01015	. . (+)-Caryolan-1-ol synthase (3.7.1.15)	401/01009	. . Malonyl-CoA decarboxylase (4.1.1.9)
307/01016	. . Oxepin-CoA hydrolase (3.7.1.16)	401/01011	. . Aspartate 1-decarboxylase (4.1.1.11)
307/01017	. . 4,5:9,10-Diseco-3-hydroxy-5,9,17-trioxoandrost-1(10),2-diene-4-oate hydrolase (3.7.1.17)	401/01012	. . Aspartate 4-decarboxylase (4.1.1.12)
307/01018	. . 6-Oxocamphor hydrolase (3.7.1.18)	401/01014	. . Valine decarboxylase (4.1.1.14)
307/01019	. . 2,6-Dihydroxypseudoxynicotine hydrolase (3.7.1.19)	401/01015	. . Glutamate decarboxylase (4.1.1.15)
307/0102	. . 3-Fumarylpyruvate hydrolase (3.7.1.20)	401/01016	. . Hydroxyglutamate decarboxylase (4.1.1.16)
308/00	Hydrolases acting on halide bonds (3.8)	401/01017	. . Ornithine decarboxylase (4.1.1.17)
308/01	. in C-halide substances (3.8.1)	401/01018	. . Lysine decarboxylase (4.1.1.18)
308/01001	. . Alkylhalidase (3.8.1.1)	401/01019	. . Arginine decarboxylase (4.1.1.19)
308/01002	. . (S)-2-Haloacid dehalogenase (3.8.1.2)	401/0102	. . Diaminopimelate decarboxylase (4.1.1.20)
308/01003	. . Haloacetate dehalogenase (3.8.1.3)	401/01021	. . Phosphoribosylaminoimidazole carboxylase (4.1.1.21)
308/01005	. . Haloalkane dehalogenase (3.8.1.5)	401/01022	. . Histidine decarboxylase (4.1.1.22)
308/01006	. . 4-Chlorobenzoate dehalogenase (3.8.1.6)	401/01023	. . Orotidine-5'-phosphate decarboxylase (4.1.1.23)
308/01007	. . 4-Chlorobenzoyl-CoA dehalogenase (3.8.1.7)	401/01024	. . Aminobenzoate decarboxylase (4.1.1.24)
308/01008	. . Atrazine chlorohydrolase (3.8.1.8)	401/01025	. . Tyrosine decarboxylase (4.1.1.25)
308/01009	. . (R)-2-Haloacid dehalogenase (3.8.1.9)	401/01028	. . Aromatic-L-amino-acid decarboxylase (4.1.1.28), i.e. tryptophane-decarboxylase
308/0101	. . 2-Haloacid dehalogenase (configuration-inverting) (3.8.1.10)	401/01029	. . Sulfinioalanine decarboxylase (4.1.1.29)
308/01011	. . 2-Haloacid dehalogenase (configuration-retaining) (3.8.1.11)	401/0103	. . Pantothenoylcysteine decarboxylase (4.1.1.30)
309/00	Hydrolases acting on phosphorus-nitrogen bonds (3.9)	401/01031	. . Phosphoenolpyruvate carboxylase (4.1.1.31)
309/01	. acting on phosphorus-nitrogen bonds (3.9.1)	401/01032	. . Phosphoenolpyruvate carboxykinase (GTP) (4.1.1.32)
309/01001	. . Phosphoamidase (3.9.1.1)	401/01033	. . Diphosphomevalonate decarboxylase (4.1.1.33), i.e. mevalonate-pyrophosphate decarboxylase
310/00	Hydrolases acting on sulfur-nitrogen bonds (3.10)	401/01034	. . Dehydro-L-gulonate decarboxylase (4.1.1.34)
310/01	. acting on sulfur-nitrogen bonds (3.10.1)	401/01035	. . UDP-glucuronate decarboxylase (4.1.1.35), i.e. UDP-D-xylose synthase
310/01001	. . N-Sulfoglucosamine sulfohydrolase (3.10.1.1)	401/01036	. . Phosphopantothenoylcysteine decarboxylase (4.1.1.36)
310/01002	. . Cyclamate sulfohydrolase (3.10.1.2)	401/01037	. . Uroporphyrinogen decarboxylase (4.1.1.37)
311/00	Hydrolases acting on carbon-phosphorus bonds (3.11)	401/01038	. . Phosphoenolpyruvate carboxykinase (diphosphate) (4.1.1.38)
311/01	. acting on carbon-phosphorus bonds (3.11.1)	401/01039	. . Ribulose-bisphosphate carboxylase (4.1.1.39)
311/01001	. . Phosphonoacetaldehyde hydrolase (3.11.1.1)	401/0104	. . Hydroxypyruvate decarboxylase (4.1.1.40)
311/01002	. . Phosphonoacetate hydrolase (3.11.1.2)	401/01041	. . Methylmalonyl-CoA decarboxylase (4.1.1.41)
311/01003	. . Phosphonopyruvate hydrolase (3.11.1.3)	401/01042	. . Carnitine decarboxylase (4.1.1.42)
312/00	Hydrolases acting on sulfur-sulfur bonds (3.12)	401/01043	. . Phenylpyruvate decarboxylase (4.1.1.43)
312/01	. acting on sulfur-sulfur bonds (3.12.1)	401/01044	. . 4-Carboxymuconolactone decarboxylase (4.1.1.44)
312/01001	. . Trithionate hydrolase (3.12.1.1)	401/01045	. . Aminocarboxymuconate-semialdehyde decarboxylase (4.1.1.45)
313/00	Hydrolases acting on carbon-sulfur bonds (3.13)	401/01046	. . o-Pyrocatechuate decarboxylase (4.1.1.46)
313/01	. acting on carbon-sulfur bonds (3.13.1)	401/01047	. . Tartronate-semialdehyde synthase (4.1.1.47)
313/01001	. . UDP-sulfoquinovose synthase (3.13.1.1)	401/01048	. . Indole-3-glycerol-phosphate synthase (4.1.1.48)
313/01003	. . 2'-Hydroxybiphenyl-2-sulfinate desulfinate (3.13.1.3)	401/01049	. . Phosphoenolpyruvate carboxykinase (ATP) (4.1.1.49)
401/00	Carbon-carbon lyases (4.1)	401/0105	. . Adenosylmethionine decarboxylase (4.1.1.50)
		401/01051	. . 3-Hydroxy-2-methylpyridine-4,5-dicarboxylate 4-decarboxylase (4.1.1.51)
		401/01052	. . 6-Methylsalicylate decarboxylase (4.1.1.52)
		401/01053	. . Phenylalanine decarboxylase (4.1.1.53)
		401/01054	. . Dihydroxyfumarate decarboxylase (4.1.1.54)

401/01055	. . 4,5-Dihydroxyphthalate decarboxylase (4.1.1.55)	401/02014	. . 2-Dehydro-3-deoxy-phosphogluconate aldolase (4.1.2.14)
401/01056	. . 3-Oxolaurate decarboxylase (4.1.1.56)	401/02017	. . L-Fucose-phosphate aldolase (4.1.2.17)
401/01057	. . Methionine decarboxylase (4.1.1.57)	401/02018	. . 2-Dehydro-3-deoxy-L-pentionate aldolase (4.1.2.18)
401/01058	. . Orsellinate decarboxylase (4.1.1.58)	401/02019	. . Rhamnulose-1-phosphate aldolase (4.1.2.19)
401/01059	. . Gallate decarboxylase (4.1.1.59)	401/0202	. . 2-Dehydro-3-deoxyglucarate aldolase (4.1.2.20)
401/0106	. . Stipitatonate decarboxylase (4.1.1.60)	401/02021	. . 2-Dehydro-3-deoxy-6-phosphogalactonate aldolase (4.1.2.21)
401/01061	. . 4-Hydroxybenzoate decarboxylase (4.1.1.61)	401/02022	. . Fructose-6-phosphate phosphoketolase (4.1.2.22)
401/01062	. . Gentisate decarboxylase (4.1.1.62)	401/02023	. . 3-Deoxy-D-manno-octulosonate aldolase (4.1.2.23)
401/01063	. . Protocatechuate decarboxylase (4.1.1.63)	401/02024	. . Dimethylaniline-N-oxide aldolase (4.1.2.24)
401/01064	. . 2,2-Dialkylglycine decarboxylase (pyruvate) (4.1.1.64)	401/02025	. . Dihydroneopterin aldolase (4.1.2.25)
401/01065	. . Phosphatidylserine decarboxylase (4.1.1.65)	401/02026	. . Phenylserine aldolase (4.1.2.26)
401/01066	. . Uracil-5-carboxylate decarboxylase (4.1.1.66)	401/02027	. . Sphinganine-1-phosphate aldolase (4.1.2.27)
401/01067	. . UDP-galacturonate decarboxylase (4.1.1.67)	401/02028	. . 2-Dehydro-3-deoxy-D-pentionate aldolase (4.1.2.28)
401/01068	. . 5-Oxopent-3-ene-1,2,5-tricarboxylate decarboxylase (4.1.1.68)	401/02029	. . 5-Dehydro-2-deoxyphosphogluconate aldolase (4.1.2.29)
401/01069	. . 3,4-Dihydroxyphthalate decarboxylase (4.1.1.69)	401/0203	. . 17-Alpha-hydroxyprogesterone aldolase (4.1.2.30)
401/0107	. . Glutaconyl-CoA decarboxylase (4.1.1.70)	401/02032	. . Trimethylamine-oxide aldolase (4.1.2.32)
401/01071	. . 2-Oxoglutarate decarboxylase (4.1.1.71)	401/02033	. . Fucosterol-epoxide lyase (4.1.2.33)
401/01072	. . Branched-chain-2-oxoacid decarboxylase (4.1.1.72)	401/02034	. . 4-(2-carboxyphenyl)-2-oxobut-3-enoate aldolase (4.1.2.34)
401/01073	. . Tartrate decarboxylase (4.1.1.73)	401/02035	. . Propionin synthase (4.1.2.35)
401/01074	. . Indolepyruvate decarboxylase (4.1.1.74)	401/02036	. . Lactate aldolase (4.1.2.36)
401/01075	. . 5-Guanidino-2-oxopentanoate decarboxylase (4.1.1.75)	401/02037	. . Hydroxynitrilase (4.1.2.37) (C12Y 401/02046 , C12Y 401/02047 take precedence)
401/01076	. . Arylmalonate decarboxylase (4.1.1.76)	401/02038	. . Benzoin aldolase (4.1.2.38)
401/01077	. . 2-Oxo-3-hexenedioate decarboxylase (4.1.1.77)	401/0204	. . Tagatose-bisphosphate aldolase (4.1.2.40)
401/01078	. . Acetylenedicarboxylate decarboxylase (4.1.1.78)	401/02041	. . Vanillin synthase (4.1.2.41)
401/01079	. . Sulfopyruvate decarboxylase (4.1.1.79)	401/02042	. . D-Threonine aldolase (4.1.2.42)
401/0108	. . 4-Hydroxyphenylpyruvate decarboxylase (4.1.1.80)	401/02043	. . 3-Hexulose-6-phosphate synthase (4.1.2.43)
401/01081	. . Threonine-phosphate decarboxylase (4.1.1.81)	401/02044	. . Benzoyl-CoA-dihydrodiol lyase (4.1.2.44)
401/01082	. . Phosphonopyruvate decarboxylase (4.1.1.82)	401/02045	. . Trans-o-hydroxybenzylidenepyruvate hydratase-aldolase (4.1.2.45)
401/01083	. . 4-Hydroxyphenylacetate decarboxylase (4.1.1.83)	401/02046	. . Aliphatic (R)-hydroxynitrile lyase (4.1.2.46)
401/01084	. . D-Dopachrome decarboxylase (4.1.1.84)	401/02047	. . (S)-Hydroxynitrile lyase (4.1.2.47)
401/01085	. . 3-Dehydro-L-gulonate-6-phosphate decarboxylase (4.1.1.85)	401/02048	. . Low-specificity L-threonine aldolase (4.1.2.48)
401/01086	. . Diaminobutyrate decarboxylase (4.1.1.86)	401/02049	. . L-Allo-threonine aldolase (4.1.2.49)
401/01087	. . Malonyl-S-ACP decarboxylase (4.1.1.87)	401/0205	. . 6-Carboxytetrahydropterin synthase (4.1.2.50)
401/01088	. . Biotin-independent malonate decarboxylase (4.1.1.88)	401/03	. . Oxo-acid-lyases (4.1.3)
401/01089	. . Biotin-dependent malonate decarboxylase (4.1.1.89)	401/03001	. . Isocitrate lyase (4.1.3.1)
401/0109	. . Peptidyl-glutamate 4-carboxylase (4.1.1.90)	401/03003	. . N-Acetylneuraminate lyase (4.1.3.3)
401/01091	. . Salicylate decarboxylase (4.1.1.91)	401/03004	. . Hydroxymethylglutaryl-CoA lyase (4.1.3.4)
401/01092	. . Indole-3-carboxylate decarboxylase (4.1.1.92)	401/03006	. . Citrate (pro-3S)-lyase (4.1.3.6)
401/01093	. . Pyrrole-2-carboxylate decarboxylase (4.1.1.93)	401/03013	. . Oxalomalate lyase (4.1.3.13)
401/01094	. . Ethylmalonyl-CoA decarboxylase (4.1.1.94)	401/03014	. . L-Erythro-3-hydroxyaspartate aldolase (4.1.3.14)
401/01095	. . L-Glutamyl-[BtrI acyl-carrier protein] decarboxylase (4.1.1.95)	401/03016	. . 4-Hydroxy-2-oxoglutarate aldolase (4.1.3.16)
401/01096	. . Carboxynorspermidine decarboxylase (4.1.1.96)	401/03017	. . 4-Hydroxy-4-methyl-2-oxoglutarate aldolase (4.1.3.17)
401/02	. . Aldehyde-lyases (4.1.2)	401/03022	. . Citramalate lyase (4.1.3.22)
401/02002	. . Ketotetrose-phosphate aldolase (4.1.2.2)	401/03024	. . Malyl-CoA lyase (4.1.3.24)
401/02004	. . Deoxyribose-phosphate aldolase (4.1.2.4)	401/03025	. . Citramalyl-CoA lyase (4.1.3.25)
401/02005	. . L-Threonine aldolase (4.1.2.5)	401/03026	. . 3-Hydroxy-3-isohexenylglutaryl-CoA lyase (4.1.3.26)
401/02008	. . Indole-3-glycerol-phosphate lyase (4.1.2.8)	401/03027	. . Anthranilate synthase (4.1.3.27)
401/02009	. . Phosphoketolase (4.1.2.9)	401/0303	. . Methylisocitrate lyase (4.1.3.30)
401/0201	. . (R)-Mandelonitrile lyase (4.1.2.10)	401/03032	. . 2,3-Dimethylmalate lyase (4.1.3.32)
401/02011	. . Hydroxymandelonitrile lyase (4.1.2.11)	401/03034	. . Citryl-CoA lyase (4.1.3.34)
401/02012	. . 2-Dehydropanoate aldolase (4.1.2.12), i.e. ketopantoaldolase		
401/02013	. . Fructose-bisphosphate aldolase (4.1.2.13)		

401/03035	. . (1-hydroxycyclohexan-1-yl)acetyl-CoA lyase (4.1.3.35)	402/01042	. . Galactarate dehydratase (4.2.1.42)
401/03036	. . 1,4-Dihydroxy-2-naphthoyl-CoA synthase (4.1.3.36)	402/01043	. . 2-Dehydro-3-deoxy-L-arabinonate dehydratase (4.2.1.43)
401/03038	. . Aminodeoxychorismate lyase (4.1.3.38)	402/01044	. . Myo-inosose-2 dehydratase (4.2.1.44)
401/03039	. . 4-Hydroxy-2-oxovalerate aldolase (4.1.3.39)	402/01045	. . CDP-glucose 4,6-dehydratase (4.2.1.45)
401/0304	. . Chorismate lyase (4.1.3.40)	402/01046	. . dTDP-glucose 4,6-dehydratase (4.2.1.46)
401/03041	. . 3-Hydroxy-D-aspartate aldolase (4.1.3.41)	402/01047	. . GDP-mannose 4,6-dehydratase (4.2.1.47), i.e. GMD
401/99	. Other Carbon-Carbon Lyases (1.4.99)	402/01048	. . D-Glutamate cyclase (4.2.1.48)
401/99001	. . Tryptophanase (4.1.99.1)	402/01049	. . Urocanate hydratase (4.2.1.49)
401/99002	. . Tyrosine phenol-lyase (4.1.99.2)	402/0105	. . Pyrazolylalanine synthase (4.2.1.50)
401/99003	. . Deoxyribodipyrimidine photo-lyase (4.1.99.3)	402/01051	. . Prephenate dehydratase (4.2.1.51)
401/99005	. . Octadecanal decarbonylase (4.1.99.5)	402/01053	. . Oleate hydratase (4.2.1.53)
401/99011	. . Benzylsuccinate synthase (4.1.99.11)	402/01054	. . Lactoyl-CoA dehydratase (4.2.1.54)
401/99012	. . 3,4-Dihydroxy-2-butanone-4-phosphate synthase (4.1.99.12)	402/01055	. . 3-Hydroxybutyryl-CoA dehydratase (4.2.1.55)
401/99013	. . (6-4)DNA photolyase (4.1.99.13)	402/01056	. . Itaconyl-CoA hydratase (4.2.1.56)
401/99014	. . Spore photoproduct lyase (4.1.99.14)	402/01057	. . Isohexenylglutaconyl-CoA hydratase (4.2.1.57)
401/99016	. . Geosmin synthase (4.1.99.16)	402/01059	. . 3-Hydroxyacyl-[acyl-carrier-protein] dehydratase (4.2.1.59)
401/99017	. . Phosphomethylpyrimidine synthase (4.1.99.17)	402/01062	. . 5-Alpha-hydroxysteroid dehydratase (4.2.1.62)
401/99018	. . Cyclic pyranopterin monophosphate synthase (4.1.99.18)	402/01065	. . 3-Cyanoalanine hydratase (4.2.1.65)
401/99019	. . 2-Iminoacetate synthase (4.1.99.19)	402/01066	. . Cyanide hydratase (4.2.1.66)
402/00	Carbon-oxygen lyases (4.2)	402/01067	. . D-Fuconate dehydratase (4.2.1.67)
402/01	. Hydro-lyases (4.2.1)	402/01068	. . L-Fuconate dehydratase (4.2.1.68)
402/01001	. . Carbonate dehydratase (4.2.1.1), i.e. carbonic anhydrase	402/01069	. . Cyanamide hydratase (4.2.1.69)
402/01002	. . Fumarate hydratase (4.2.1.2)	402/0107	. . Pseudouridylyl synthase (4.2.1.70)
402/01003	. . Aconitate hydratase (4.2.1.3)	402/01073	. . Protoaphin-aglucone dehydratase (cyclizing) (4.2.1.73)
402/01004	. . Citrate dehydratase (4.2.1.4)	402/01074	. . Long-chain-enoyl-CoA hydratase (4.2.1.74)
402/01005	. . Arabinonate dehydratase (4.2.1.5)	402/01075	. . Uroporphyrinogen-III synthase (4.2.1.75)
402/01006	. . Galactonate dehydratase (4.2.1.6)	402/01076	. . UDP-glucose 4,6-dehydratase (4.2.1.76)
402/01007	. . Altronate dehydratase (4.2.1.7)	402/01077	. . Trans-L-3-hydroxyproline dehydratase (4.2.1.77)
402/01008	. . Mannonate dehydratase (4.2.1.8)	402/01078	. . (S)-norcoclaurine synthase (4.2.1.78)
402/01009	. . Dihydroxy-acid dehydratase (4.2.1.9), i.e. acetohydroxyacid dehydratase	402/01079	. . 2-Methylcitrate dehydratase (4.2.1.79)
402/0101	. . 3-Dehydroquinate dehydratase (4.2.1.10)	402/0108	. . 2-Oxopent-4-enoate hydratase (4.2.1.80)
402/01011	. . Phosphopyruvate hydratase (4.2.1.11), i.e. enolase	402/01081	. . D(-)-tartrate dehydratase (4.2.1.81)
402/01012	. . Phosphogluconate dehydratase (4.2.1.12)	402/01082	. . Xylonate dehydratase (4.2.1.82)
402/01017	. . Enoyl-CoA hydratase (4.2.1.17), i.e. crotonase	402/01083	. . 4-Oxalmesaconate hydratase (4.2.1.83)
402/01018	. . Methylglutaconyl-CoA hydratase (4.2.1.18)	402/01084	. . Nitrile hydratase (4.2.1.84)
402/01019	. . Imidazoleglycerol-phosphate dehydratase (4.2.1.19)	402/01085	. . Dimethylmaleate hydratase (4.2.1.85)
402/0102	. . Tryptophan synthase (4.2.1.20)	402/01087	. . Octopamine dehydratase (4.2.1.87)
402/01022	. . Cystathionine beta-synthase (4.2.1.22)	402/01088	. . Synephrine dehydratase (4.2.1.88)
402/01024	. . Porphobilinogen synthase (4.2.1.24)	402/01089	. . Carnitine dehydratase (4.2.1.89)
402/01025	. . L-Arabinonate dehydratase (4.2.1.25)	402/0109	. . L-Rhamnonate dehydratase (4.2.1.90)
402/01027	. . Acetylenecarboxylate hydratase (4.2.1.27)	402/01091	. . Arogenate dehydratase (4.2.1.91)
402/01028	. . Propanediol dehydratase (4.2.1.28)	402/01092	. . Hydroperoxide dehydratase (4.2.1.92)
402/0103	. . Glycerol dehydratase (4.2.1.30)	402/01093	. . ATP-dependent NAD(P)H-hydrate dehydratase (4.2.1.93)
402/01031	. . Maleate hydratase (4.2.1.31)	402/01094	. . Scytalone dehydratase (4.2.1.94)
402/01032	. . L(+)-Tartrate dehydratase (4.2.1.32)	402/01095	. . Kievitone hydratase (4.2.1.95)
402/01033	. . 3-Isopropylmalate dehydratase (4.2.1.33)	402/01096	. . 4a-Hydroxytetrahydrobiopterin dehydratase (4.2.1.96)
402/01034	. . (S)-2-Methylmalate dehydratase (4.2.1.34)	402/01097	. . Phaseollidin hydratase (4.2.1.97)
402/01035	. . (R)-2-Methylmalate dehydratase (4.2.1.35)	402/01098	. . 16-Alpha-hydroxyprogesterone dehydratase (4.2.1.98)
402/01036	. . Homoaconitate hydratase (4.2.1.36)	402/01099	. . 2-Methylisocitrate dehydratase (4.2.1.99)
402/01039	. . Gluconate dehydratase (4.2.1.39)	402/011	. . Cyclohexa-1,5-dienecarbonyl-CoA hydratase (4.2.1.100)
402/0104	. . Glucarate dehydratase (4.2.1.40)	402/01101	. . Trans-feruloyl-CoA hydratase (4.2.1.101)
402/01041	. . 5-Dehydro-4-deoxyglucarate dehydratase (4.2.1.41)	402/01103	. . Cyclohexyl-isocyanide hydratase (4.2.1.103)
		402/01104	. . Cyanase (4.2.1.104)
		402/01105	. . 2-Hydroxyisoflavanone dehydratase (4.2.1.105)

- 402/01106 . . Bile-acid 7- α -dehydratase (4.2.1.106)
- 402/01107 . . 3- α ,7- α ,12- α -trihydroxy-5- β -cholest-24-enoyl-CoA hydratase (4.2.1.107)
- 402/01108 . . Ectoine synthase (4.2.1.108)
- 402/01109 . . Methylthioribulose 1-phosphate dehydratase (4.2.1.109)
- 402/0111 . . Aldos-2-ulose dehydratase (4.2.1.110)
- 402/01111 . . 1,5-Anhydro-D-fructose dehydratase (4.2.1.111)
- 402/01112 . . Acetylene hydratase (4.2.1.112)
- 402/01113 . . o-Succinylbenzoate synthase (4.2.1.113)
- 402/01114 . . Methanogen homoacnitase (4.2.1.114)
- 402/01115 . . UDP-N-acetylglucosamine 4,6-dehydratase (inverting) (4.2.1.115)
- 402/01116 . . 3-Hydroxypropionyl-CoA dehydratase (4.2.1.116)
- 402/01117 . . 2-Methylcitrate dehydratase (2-methyl-trans-aconitate forming) (4.2.1.117)
- 402/01118 . . 3-Dehydroshikimate dehydratase (4.2.1.118)
- 402/01119 . . Enoyl-CoA hydratase 2 (4.2.1.119)
- 402/0112 . . 4-Hydroxybutanoyl-CoA dehydratase (4.2.1.120)
- 402/01121 . . Colneleate synthase (4.2.1.121)
- 402/01122 . . Tryptophan synthase (indole-salvaging) (4.2.1.122)
- 402/01123 . . Tetrahymanol synthase (4.2.1.123)
- 402/01124 . . Arabidiol synthase (4.2.1.124)
- 402/01125 . . Dammarenediol II synthase (4.2.1.125)
- 402/01126 . . N-Acetylmuramic acid 6-phosphate etherase (4.2.1.126)
- 402/01127 . . Linalool dehydratase (4.2.1.127)
- 402/01128 . . Lupan-3- β ,20-diol synthase (4.2.1.128)
- 402/01129 . . Squalene--hopanol cyclase (4.2.1.129)
- 402/0113 . . D-Lactate dehydratase (4.2.1.130)
- 402/01131 . . Carotenoid 1,2-hydratase (4.2.1.131)
- 402/01132 . . 2-Hydroxyhexa-2,4-dienoate hydratase (4.2.1.132)
- 402/01133 . . Copal-8-ol diphosphate hydratase (4.2.1.133)
- 402/01134 . . Very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase (4.2.1.134)
- 402/01135 . . UDP-N-acetylglucosamine 4,6-dehydratase (configuration-retaining) (4.2.1.135)
- 402/01136 . . ADP-dependent NAD(P)H-hydrate dehydratase (4.2.1.136)
- 402/01137 . . Sporulenol synthase (4.2.1.137)
- 402/02 . . acting on polysaccharides (4.2.2)
- 402/02001 . . Hyaluronate lyase (4.2.2.1)
- 402/02002 . . Pectate lyase (4.2.2.2)
- 402/02003 . . Poly(β -D-mannuronate) lyase (4.2.2.3)
- 402/02004 . . Chondroitin ABC lyase (4.2.2.4), i.e. chondroitinase ([C12Y 402/0202](#), [C12Y 402/02021](#) take precedence)
- 402/02005 . . Chondroitin AC lyase (4.2.2.5)
- 402/02006 . . Oligogalacturonide lyase (4.2.2.6)
- 402/02007 . . Heparin lyase (4.2.2.7), i.e. heparinase I
- 402/02008 . . Heparin-sulfate lyase (4.2.2.8)
- 402/02009 . . Pectate disaccharide-lyase (4.2.2.9)
- 402/0201 . . Pectin lyase (4.2.2.10)
- 402/02011 . . Poly(α -L-guluronate) lyase (4.2.2.11), i.e. alginase II
- 402/02012 . . Xanthan lyase (4.2.2.12)
- 402/02013 . . Exo-(1 \rightarrow 4)- α -D-glucan lyase (4.2.2.13)
- 402/02014 . . Glucuronan lyase (4.2.2.14)
- 402/02015 . . Anhydrosialidase (4.2.2.15)
- 402/02016 . . Levan fructotransferase (DFA-IV-forming) (4.2.2.16)
- 402/02017 . . Inulin fructotransferase (DFA-I-forming) (4.2.2.17)
- 402/02018 . . Inulin fructotransferase (DFA-III-forming) (4.2.2.18)
- 402/02019 . . Chondroitin B lyase (4.2.2.19)
- 402/0202 . . Chondroitin-sulfate-ABC endolyase (4.2.2.20)
- 402/02021 . . Chondroitin-sulfate-ABC exolyase (4.2.2.21)
- 402/02022 . . Pectate trisaccharide-lyase (4.2.2.22)
- 402/02023 . . Rhamnogalacturonan endolyase (4.2.2.23)
- 402/02024 . . Rhamnogalacturonan exolyase (4.2.2.24)
- 402/02025 . . Gellan lyase (4.2.2.25)
- 402/03 . . acting on phosphates (4.2.3)
- 402/03001 . . Threonine synthase (4.2.3.1)
- 402/03002 . . Ethanolamine-phosphate phospho-lyase (4.2.3.2)
- 402/03003 . . Methylglyoxal synthase (4.2.3.3)
- 402/03004 . . 3-Dehydroquinatase synthase (4.2.3.4)
- 402/03005 . . Chorismate synthase (4.2.3.5)
- 402/03006 . . Trichodiene synthase (4.2.3.6)
- 402/03007 . . Pentalene synthase (4.2.3.7)
- 402/03008 . . Casbene synthase (4.2.3.8)
- 402/03009 . . Aristolochene synthase (4.2.3.9)
- 402/0301 . . (-)-Endo-fenchol synthase (4.2.3.10)
- 402/03011 . . Sabinene-hydrate synthase (4.2.3.11)
- 402/03012 . . 6-Pyruvoyltetrahydropterin synthase (4.2.3.12)
- 402/03013 . . (+)-Delta-cadinene synthase (4.2.3.13)
- 402/03014 . . Pinene synthase (4.2.3.14) ([C12Y 402/03119](#) and [C12Y 402/0312](#) take precedence)
- 402/03015 . . Myrcene synthase (4.2.3.15)
- 402/03016 . . (4S)-Limonene synthase (4.2.3.16)
- 402/03017 . . Taxadiene synthase (4.2.3.17)
- 402/03018 . . Abieta-7,13-diene synthase (4.2.3.18)
- 402/03019 . . Ent-kaurene synthase (4.2.3.19)
- 402/0302 . . (R)-Limonene synthase (4.2.3.20)
- 402/03021 . . Vetispiradiene synthase (4.2.3.21)
- 402/03022 . . Germacradienol synthase (4.2.3.22)
- 402/03023 . . Germacrene-A synthase (4.2.3.23)
- 402/03024 . . Amorph-4,11-diene synthase (4.2.3.24)
- 402/03025 . . S-Linalool synthase (4.2.3.25)
- 402/03026 . . R-Linalool synthase (4.2.3.26)
- 402/03027 . . Isoprene synthase (4.2.3.27)
- 402/03028 . . Ent-cassa-12,15-diene synthase (4.2.3.28)
- 402/03029 . . Ent-sandaracopimaradiene synthase (4.2.3.29)
- 402/0303 . . Ent-pimara-8(14),15-diene synthase (4.2.3.30)
- 402/03031 . . Ent-pimara-9(11),15-diene synthase (4.2.3.31)
- 402/03032 . . Levopimaradiene synthase (4.2.3.32)
- 402/03033 . . Stemar-13-ene synthase (4.2.3.33)
- 402/03034 . . Stemod-13(17)-ene synthase (4.2.3.34)
- 402/03035 . . Syn-pimara-7,15-diene synthase (4.2.3.35)
- 402/03036 . . Terpentetriene synthase (4.2.3.36)
- 402/03037 . . Epi-isozizaene synthase (4.2.3.37)
- 402/03038 . . Alpha-bisabolene synthase (4.2.3.38)
- 402/03039 . . Epi-cedrol synthase (4.2.3.39)
- 402/0304 . . (Z)-Gamma-bisabolene synthase (4.2.3.40)
- 402/03041 . . Elisabethatriene synthase (4.2.3.41)
- 402/03042 . . Aphidicolan-16- β -ol synthase (4.2.3.42)
- 402/03043 . . Fusicocca-2,10(14)-diene synthase (4.2.3.43)
- 402/03044 . . Isopimara-7,15-diene synthase (4.2.3.44)
- 402/03045 . . Phyllocladan-16- α -ol synthase (4.2.3.45)
- 402/03046 . . Alpha-farnesene synthase (4.2.3.46)
- 402/03047 . . Beta-farnesene synthase (4.2.3.47)

- 402/03048 . . (3S,6E)-Nerolidol synthase (4.2.3.48)
 402/03049 . . (3R,6E)-Nerolidol synthase (4.2.3.49)
 402/0305 . . (+)-Alpha-santalene synthase ((2Z,6Z)-farnesyl diphosphate cyclizing)(4.2.3.50)
 402/03051 . . Beta-phellandrene synthase (neryl-diphosphate-cyclizing) (4.2.3.51)
 402/03052 . . (4S)-Beta-phellandrene synthase (geranyl-diphosphate-cyclizing) (4.2.3.52)
 402/03053 . . (+)-Endo-beta-bergamotene synthase ((2Z,6Z)-farnesyl diphosphate cyclizing)(4.2.3.53)
 402/03054 . . (-)-Endo-alpha-bergamotene synthase ((2Z,6Z)-farnesyl diphosphate cyclizing)(4.2.3.54)
 402/03055 . . (S)-Beta-bisabolene synthase (4.2.3.55)
 402/03056 . . Gamma-humulene synthase (4.2.3.56)
 402/03057 . . Beta-caryophyllene synthase (4.2.3.57)
 402/03058 . . Longifolene synthase (4.2.3.58)
 402/03059 . . (E)-Gamma-bisabolene synthase (4.2.3.59)
 402/0306 . . Germacrene C synthase (4.2.3.60)
 402/03061 . . 5-Epiaristolochene synthase (4.2.3.61)
 402/03062 . . (-)-Gamma-cadinene synthase ((2Z,6E)-farnesyl diphosphate cyclizing)(4.2.3.62)
 402/03063 . . (+)-Cubenene synthase (4.2.3.63)
 402/03064 . . (+)-Epicubenol synthase (4.2.3.64)
 402/03065 . . Zingiberene synthase (4.2.3.65)
 402/03066 . . Beta-selinene cyclase (4.2.3.66)
 402/03067 . . Cis-muroladiene synthase (4.2.3.67)
 402/03068 . . Beta-eudesmol synthase (4.2.3.68)
 402/03069 . . (+)-Alpha-barbatene synthase (4.2.3.69)
 402/0307 . . Patchoulol synthase (4.2.3.70)
 402/03071 . . (E,E)-Germacrene B synthase (4.2.3.71)
 402/03072 . . Alpha-gurjunene synthase (4.2.3.72)
 402/03073 . . Valencene synthase (4.2.3.73)
 402/03074 . . Presilphiperfolanol synthase (4.2.3.74)
 402/03075 . . (-)-Germacrene D synthase (4.2.3.75)
 402/03076 . . (+)-Delta-selinene synthase (4.2.3.76)
 402/03077 . . (+)-Germacrene D synthase (4.2.3.77)
 402/03078 . . Beta-chamigrene synthase (4.2.3.78)
 402/03079 . . Thuajopsene synthase (4.2.3.79)
 402/0308 . . Alpha-longipinene synthase (4.2.3.80)
 402/03081 . . Exo-alpha-bergamotene synthase (4.2.3.81)
 402/03082 . . Alpha-santalene synthase (4.2.3.82)
 402/03083 . . Beta-santalene synthase (4.2.3.83)
 402/03084 . . 10-Epi-gamma-eudesmol synthase (4.2.3.84)
 402/03085 . . Alpha-eudesmol synthase (4.2.3.85)
 402/03086 . . 7-Epi-alpha-selinene synthase (4.2.3.86)
 402/03087 . . Alpha-guaiene synthase (4.2.3.87)
 402/03088 . . Viridiflorene synthase (4.2.3.88)
 402/03089 . . (+)-Beta-caryophyllene synthase (4.2.3.89)
 402/0309 . . 5-Epi-alpha-selinene synthase (4.2.3.90)
 402/03091 . . Cubebol synthase (4.2.3.91)
 402/03092 . . (+)-Gamma-cadinene synthase (4.2.3.92)
 402/03093 . . Delta-guaiene synthase (4.2.3.93)
 402/03094 . . Gamma-curcumen synthase (4.2.3.94)
 402/03095 . . (-)-Alpha-cuprenene synthase (4.2.3.95)
 402/03096 . . Avermitilol synthase (4.2.3.96)
 402/03097 . . (-)-Delta-cadinene synthase (4.2.3.97)
 402/03098 . . (+)-T-Murolol synthase (4.2.3.98)
 402/03099 . . Labdatriene synthase (4.2.3.99)
 402/031 . . Bicyclogermacrene synthase (4.2.3.100)
 402/03101 . . 7-Epi-sesquithujene synthase (4.2.3.101)
 402/03102 . . Sesquithujene synthase (4.2.3.102)
 402/03103 . . Ent-isokaurene synthase (4.2.3.103)
 402/03104 . . Alpha-humulene synthase (4.2.3.104)
 402/03105 . . Tricyclene synthase (4.2.3.105)
 402/03106 . . (E)-Beta-ocimene synthase (4.2.3.106)
 402/03107 . . (+)-Car-3-ene synthase (4.2.3.107)
 402/03108 . . 1,8-Cineole synthase (4.2.3.108)
 402/03109 . . (-)-Sabinene synthase (4.2.3.109)
 402/0311 . . (+)-Sabinene synthase (4.2.3.110)
 402/03111 . . (-)-Alpha-terpineol synthase (4.2.3.111)
 402/03112 . . (+)-Alpha-terpineol synthase (4.2.3.112)
 402/03113 . . Terpinolene synthase (4.2.3.113)
 402/03114 . . Gamma-terpinene synthase (4.2.3.114)
 402/03115 . . Alpha-terpinene synthase (4.2.3.115)
 402/03116 . . (+)-Camphene synthase (4.2.3.116)
 402/03117 . . (-)-Camphene synthase (4.2.3.117)
 402/03118 . . 2-Methylisoborneol synthase (4.2.3.118)
 402/03119 . . (-)-Alpha-pinene synthase (4.2.3.119)
 402/0312 . . (-)-Beta-pinene synthase (4.2.3.120)
 402/03121 . . (+)-Alpha-pinene synthase (4.2.3.121)
 402/03122 . . Beta-pinene synthase (4.2.3.122)
 402/03123 . . Beta-sesquiphellandrene synthase (4.2.3.123)
 402/03124 . . 2-Deoxy-scylo-inosose synthase (4.2.3.124)
 402/03125 . . Alpha-murolene synthase (4.2.3.125)
 402/03126 . . Gamma-murolene synthase (4.2.3.126)
 402/03127 . . Beta-copaene synthase (4.2.3.127)
 402/03128 . . Beta-cubebene synthase (4.2.3.128)
 402/03129 . . (+)-Sativene synthase (4.2.3.129)
 402/0313 . . Tetraprenyl-beta-curcumen synthase (4.2.3.130)
 402/03131 . . Miltiradiene synthase (4.2.3.131)
 402/03132 . . Neoabietadiene synthase (4.2.3.132)
 402/03133 . . Alpha-copaene synthase (4.2.3.133)
 402/03134 . . 5-Phosphonoxy-L-lysine phospho-lyase (4.2.3.134)
 402/03135 . . DELTA6-protoilludene synthase (4.2.3.135)
 402/03136 . . Alpha-isocomene synthase (4.2.3.136)
 402/03137 . . (E)-2-Epi-beta-caryophyllene synthase (4.2.3.137)
 402/03138 . . (+)-Epi-alpha-bisabolol synthase (4.2.3.138)
 402/03139 . . Valerena-4,7(11)-diene synthase (4.2.3.139)
 402/0314 . . Cis-abienol synthase (4.2.3.140)
 402/99 . . Other carbon-oxygen lyases (4.2.99)
 402/99006 . . Chondroitin sulfate lyase (4.2.99.6)
 (C12Y 402/02005, C12Y 402/0202, C12Y 402/02021 take precedence)
 402/99012 . . Carboxymethyloxysuccinate lyase (4.2.99.12)
 402/99018 . . DNA-(apurinic or apyrimidinic site)lyase (4.2.99.18)
 402/9902 . . 2-Succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (4.2.99.20)
 402/99021 . . Isochorismate lyase (4.2.99.21)
403/00 Carbon-nitrogen lyases (4.3)
 403/01 . . Ammonia-lyases (4.3.1)
 403/01001 . . Aspartate ammonia-lyase (4.3.1.1), i.e. aspartase
 403/01002 . . Methylaspartate ammonia-lyase (4.3.1.2)
 403/01003 . . Histidine ammonia-lyase (4.3.1.3)
 403/01004 . . Formimidoyltetrahydrofolate cyclodeaminase (4.3.1.4)
 403/01005 . . Phenylalanine ammonia-lyase (4.3.1.5)
 (C12Y 403/01023 - C12Y 403/01025 takes precedence)
 403/01006 . . Beta-alanyl-CoA ammonia-lyase (4.3.1.6)
 403/01007 . . Ethanolamine ammonia-lyase (4.3.1.7)

- 403/01009 . . Glucosaminase ammonia-lyase (4.3.1.9)
 403/0101 . . Serine-sulfate ammonia-lyase (4.3.1.10)
 403/01012 . . Ornithine cyclodeaminase (4.3.1.12)
 403/01013 . . Carbamoyl-serine ammonia-lyase (4.3.1.13)
 403/01014 . . 3-Aminobutyl-CoA ammonia-lyase (4.3.1.14)
 403/01015 . . Diaminopropionate ammonia-lyase (4.3.1.15)
 403/01016 . . Threo-3-hydroxy-L-aspartate ammonia-lyase (4.3.1.16)
 403/01017 . . L-Serine ammonia-lyase (4.3.1.17)
 403/01018 . . D-Serine ammonia-lyase (4.3.1.18)
 403/01019 . . Threonine ammonia-lyase (4.3.1.19)
 403/0102 . . Erythro-3-hydroxy-L-aspartate ammonia-lyase (4.3.1.20)
 403/01022 . . 3,4-Dihydroxyphenylalanine reductive deaminase (4.3.1.22)
 403/01023 . . Tyrosine ammonia-lyase (4.3.1.23)
 403/01024 . . Phenylalanine ammonia-lyase (4.3.1.24)
 403/01025 . . Phenylalanine-tyrosine ammonia-lyase (4.3.1.25)
 403/01026 . . Chromopyrrolate synthase (4.3.1.26)
 403/01027 . . Threo-3-hydroxy-D-aspartate ammonia-lyase (4.3.1.27)
 403/01028 . . L-Lysine cyclodeaminase (4.3.1.28)
 403/02 . . Amidine-lyases (4.3.2)
 403/02001 . . Argininosuccinate lyase (4.3.2.1)
 403/02002 . . Adenylosuccinate lyase (4.3.2.2)
 403/02003 . . Ureidoglycolate lyase (4.3.2.3)
 403/02004 . . Purine imidazole-ring cyclase (4.3.2.4)
 403/02005 . . Peptidylamidoglycolate lyase (4.3.2.5)
 403/02006 . . Gamma-L-glutamyl-butirosin B gamma-glutamyl cyclotransferase (4.3.2.6)
 403/03 . . Amine-lyases (4.3.3)
 403/03001 . . 3-Ketovalidoxylamine C-N-lyase (4.3.3.1)
 403/03002 . . Strictosidine synthase (4.3.3.2)
 403/03003 . . Deacetylisopecoside synthase (4.3.3.3)
 403/03004 . . Deacetylpecoside synthase (4.3.3.4)
 403/03005 . . 4'-Demethylrebeccamycin synthase (4.3.3.5)
 403/03006 . . Pyridoxal 5'-phosphate synthase (glutamine hydrolyzing)(4.3.3.6)
 403/03007 . . 4-Hydroxy-tetrahydrodipicolinate synthase (4.3.3.7)
 403/99 . . Other carbon-nitrogen lyases (4.3.99)
 403/99002 . . Carboxybiotin decarboxylase (4.3.99.2)
 403/99003 . . 7-Carboxy-7-deazaguanine synthase (4.3.99.3)
- 404/00 Carbon-sulfur lyases (4.4)**
 404/01 . . Carbon-sulfur lyases (4.4.1)
 404/01001 . . Cystathionine gamma-lyase (4.4.1.1)
 404/01002 . . Homocysteine desulfhydrase (4.4.1.2)
 404/01003 . . Dimethylpropiothetin dethiomethylase (4.4.1.3)
 404/01004 . . Alliin lyase (4.4.1.4)
 404/01005 . . Lactoylglutathione lyase (4.4.1.5)
 404/01006 . . S-Alkylcysteine lyase (4.4.1.6)
 404/01008 . . Cystathionine beta-lyase (4.4.1.8)
 404/01009 . . L-3-Cyanoalanine synthase (4.4.1.9)
 404/0101 . . Cysteine lyase (4.4.1.10)
 404/01011 . . Methionine gamma-lyase (4.4.1.11)
 404/01013 . . Cysteine-S-conjugate beta-lyase (4.4.1.13)
 404/01014 . . 1-Aminocyclopropane-1-carboxylate synthase (4.4.1.14)
 404/01015 . . D-Cysteine desulfhydrase (4.4.1.15)
 404/01016 . . Selenocysteine lyase (4.4.1.16)
 404/01017 . . Holocytochrome-c synthase (4.4.1.17)
- 404/01019 . . Phosphosulfolactate synthase (4.4.1.19)
 404/0102 . . Leukotriene-C4 synthase (4.4.1.20)
 404/01021 . . S-Ribosylhomocysteine lyase (4.4.1.21)
 404/01022 . . S-(Hydroxymethyl)glutathione synthase (4.4.1.22)
 404/01023 . . 2-Hydroxypropyl-CoM lyase (4.4.1.23)
 404/01024 . . (2R)-Sulfolactate sulfo-lyase (4.4.1.24)
 404/01025 . . L-Cysteate sulfo-lyase (4.4.1.25)
 404/01026 . . Olivetolic acid cyclase (4.4.1.26)
- 405/00 Carbon-halide lyases (4.5)**
 405/01 . . Carbon-halide lyases (4.5.1)
 405/01001 . . DDT-dehydrochlorinase (4.5.1.1)
 405/01002 . . 3-Chloro-D-alanine dehydrochlorinase (4.5.1.2)
 405/01003 . . Dichloromethane dehalogenase (4.5.1.3)
 405/01004 . . L-2-Amino-4-chloropent-4-enoate dehydrochlorinase (4.5.1.4)
 405/01005 . . S-Carboxymethylcysteine synthase (4.5.1.5)
- 406/00 Phosphorus-oxygen lyases (4.6)**
 406/01 . . Phosphorus-oxygen lyases (4.6.1)
 406/01001 . . Aodenylate cyclase (4.6.1.1)
 406/01002 . . Guanylate cyclase (4.6.1.2)
 406/01006 . . Cytidylate cyclase (4.6.1.6)
 406/01012 . . 2-C-Methyl-D-erythritol 2,4-cyclodiphosphate synthase (4.6.1.12)
 406/01013 . . Phosphatidylinositol diacylglycerol-lyase (4.6.1.13)
 406/01014 . . Glycosylphosphatidylinositol diacylglycerol-lyase (4.6.1.14)
 406/01015 . . FAD-AMP lyase (cyclizing) (4.6.1.15)
- 499/00 Other lyases (4.99)**
 499/01 . . Other lyases (4.99.1)
 499/01001 . . Ferrochelate lyase (4.99.1.1)
 499/01002 . . Alkylmercury lyase (4.99.1.2)
 499/01003 . . Sirohydrochlorin cobaltochelate lyase (4.99.1.3)
 499/01004 . . Sirohydrochlorin ferrochelate lyase (4.99.1.4)
 499/01005 . . Aliphatic aldoxime dehydratase (4.99.1.5)
 499/01006 . . Indoleacetaldoxime dehydratase (4.99.1.6)
 499/01007 . . Phenylacetaldoxime dehydratase (4.99.1.7)
 499/01008 . . Heme ligase (4.99.1.8)
- 501/00 Racemases and epimerases (5.1)**
 501/01 . . acting on amino acids and derivatives (5.1.1)
 501/01001 . . Alanine racemase (5.1.1.1)
 501/01002 . . Methionine racemase (5.1.1.2)
 501/01003 . . Glutamate racemase (5.1.1.3)
 501/01004 . . Proline racemase (5.1.1.4)
 501/01005 . . Lysine racemase (5.1.1.5)
 501/01006 . . Threonine racemase (5.1.1.6)
 501/01007 . . Diaminopimelate epimerase (5.1.1.7)
 501/01008 . . 4-Hydroxyproline epimerase (5.1.1.8)
 501/01009 . . Arginine racemase (5.1.1.9)
 501/0101 . . Amino-acid racemase (5.1.1.10)
 501/01011 . . Phenylalanine racemase (ATP-hydrolyzing) (5.1.1.11)
 501/01012 . . Ornithine racemase (5.1.1.12)
 501/01013 . . Aspartate racemase (5.1.1.13)
 501/01014 . . Nocardicin-A epimerase (5.1.1.14)
 501/01015 . . 2-Aminohexano-6-lactam racemase (5.1.1.15)
 501/01016 . . Protein-serine epimerase (5.1.1.16)
 501/01017 . . Isopenicillin-N epimerase (5.1.1.17)
 501/01018 . . Serine racemase (5.1.1.18)

- 501/02 . . acting on hydroxy acids and derivatives (5.1.2)
- 501/02001 . . Lactate racemase (5.1.2.1)
- 501/02002 . . Mandelate racemase (5.1.2.2)
- 501/02003 . . 3-Hydroxybutyryl-CoA epimerase (5.1.2.3)
- 501/02004 . . Acetoin racemase (5.1.2.4)
- 501/02005 . . Tartrate epimerase (5.1.2.5)
- 501/02006 . . Isocitrate epimerase (5.1.2.6)
- 501/03 . . acting on carbohydrates and derivatives (5.1.3)
- 501/03001 . . Ribulose-phosphate 3-epimerase (5.1.3.1)
- 501/03002 . . UDP-glucose 4-epimerase (5.1.3.2), i.e. UDP-galactose 4-epimerase
- 501/03003 . . Aldose 1-epimerase (5.1.3.3)
- 501/03004 . . L-Ribulose-5-phosphate 4-epimerase (5.1.3.4)
- 501/03005 . . UDP-arabinose 4-epimerase (5.1.3.5)
- 501/03006 . . UDP-glucuronate 4-epimerase (5.1.3.6)
- 501/03007 . . UDP-N-acetylglucosamine 4-epimerase (5.1.3.7)
- 501/03008 . . N-Acylglucosamine 2-epimerase (5.1.3.8)
- 501/03009 . . N-Acylglucosamine-6-phosphate 2-epimerase (5.1.3.9)
- 501/0301 . . CDP-paratose 2-epimerase (5.1.3.10)
- 501/03011 . . Cellobiose epimerase (5.1.3.11)
- 501/03012 . . UDP-glucuronate 5'-epimerase (5.1.3.12)
- 501/03013 . . dTDP-4-dehydrorhamnose 3,5-epimerase (5.1.3.13)
- 501/03014 . . UDP-N-acetylglucosamine 2-epimerase (non-hydrolysing) (5.1.3.14)
- 501/03015 . . Glucose-6-phosphate 1-epimerase (5.1.3.15)
- 501/03016 . . UDP-glucosamine 4-epimerase (5.1.3.16)
- 501/03017 . . Heparosan-N-sulfate-glucuronate 5-epimerase (5.1.3.17)
- 501/03018 . . GDP-mannose 3,5-epimerase (5.1.3.18)
- 501/03019 . . Chondroitin-glucuronate 5-epimerase (5.1.3.19)
- 501/0302 . . ADP-glyceromanno-heptose 6-epimerase (5.1.3.20)
- 501/03021 . . Maltose epimerase (5.1.3.21)
- 501/03022 . . L-Ribulose-5-phosphate 3-epimerase (5.1.3.22)
- 501/03023 . . UDP-2,3-diacetamido-2,3-dideoxyglucuronic acid 2-epimerase (5.1.3.23)
- 501/03024 . . N-Acetylneuraminate epimerase (5.1.3.24)
- 501/03025 . . dTDP-L-rhamnose 4-epimerase (5.1.3.25)
- 501/99 . . acting on other compounds (5.1.99)
- 501/99001 . . Methylmalonyl-CoA epimerase (5.1.99.1)
- 501/99002 . . 16-Hydroxysteroid epimerase (5.1.99.2)
- 501/99003 . . Allantoin racemase (5.1.99.3)
- 501/99004 . . Alpha-methylacyl-CoA racemase (5.1.99.4)
- 501/99005 . . Hydantoin racemase (5.1.99.5)
- 501/99006 . . NAD(P)H-hydrate epimerase (5.1.99.6)
- 502/00 Cis-trans-isomerases (5.2)**
- 502/01 . . Cis-trans-Isomerases (5.2.1)
- 502/01001 . . Maleate isomerase (5.2.1.1)
- 502/01002 . . Maleylacetoacetate isomerase (5.2.1.2)
- 502/01003 . . Retinal isomerase (5.2.1.3) ([C12Y 101/013](#), [C12Y 101/01315](#), [C12Y 203/01135](#), [C12Y 301/01064 take precedence](#))
- 502/01004 . . Maleylpyruvate isomerase (5.2.1.4)
- 502/01005 . . Linoleate isomerase (5.2.1.5)
- 502/01006 . . Furfurylramide isomerase (5.2.1.6)
- 502/01008 . . Peptidylprolyl isomerase (5.2.1.8), i.e. cyclophilin
- 502/01009 . . Farnesol 2-isomerase (5.2.1.9)
- 502/0101 . . 2-Chloro-4-carboxymethylenebut-2-en-1,4-olide isomerase (5.2.1.10)
- 502/01012 . . Zeta-carotene isomerase (5.2.1.12)
- 502/01013 . . Polycopene isomerase (5.2.1.13)
- 502/01014 . . Beta-carotene isomerase (5.2.1.14)
- 503/00 Intramolecular oxidoreductases (5.3)**
- 503/01 . . interconverting aldoses and ketoses (5.3.1)
- 503/01001 . . Triose-phosphate isomerase (5.3.1.1)
- 503/01003 . . Arabinose isomerase (5.3.1.3)
- 503/01004 . . L-Arabinose isomerase (5.3.1.4)
- 503/01005 . . Xylose isomerase (5.3.1.5)
- 503/01006 . . Ribose-5-phosphate isomerase (5.3.1.6)
- 503/01007 . . Mannose isomerase (5.3.1.7)
- 503/01008 . . Mannose-6-phosphate isomerase (5.3.1.8)
- 503/01009 . . Glucose-6-phosphate isomerase (5.3.1.9)
- 503/01012 . . Glucuronate isomerase (5.3.1.12)
- 503/01013 . . Arabinose-5-phosphate isomerase (5.3.1.13)
- 503/01014 . . L-Rhamnose isomerase (5.3.1.14)
- 503/01015 . . D-Lyxose ketol-isomerase (5.3.1.15)
- 503/01016 . . 1-(5-Phosphoribosyl)-5-((5-phosphoribosylamino)methylideneamino)imidazole-4-carboxamid (5.3.1.16)
- 503/01017 . . 5-Dehydro-4-deoxy-D-glucuronate isomerase (5.3.1.17)
- 503/01018 . . Glucose isomerase (5.3.1.18)
- 503/0102 . . Ribose isomerase (5.3.1.20)
- 503/01021 . . Corticosteroid side-chain-isomerase (5.3.1.21)
- 503/01022 . . Hydroxypyruvate isomerase (5.3.1.22)
- 503/01023 . . S-methyl-5-thioribose-1-phosphate isomerase (5.3.1.23), i.e. 5-methylthioribose-1-phosphate isomerase
- 503/01024 . . Phosphoribosylanthranilate isomerase (5.3.1.24)
- 503/01025 . . L-Fucose isomerase (5.3.1.25)
- 503/01026 . . Galactose-6-phosphate isomerase (5.3.1.26)
- 503/01027 . . 6-Phospho-3-hexuloisomerase (5.3.1.27)
- 503/01028 . . D-Sedoheptulose 7-phosphate isomerase (5.3.1.28)
- 503/02 . . interconverting keto- and enol-groups (5.3.2)
- 503/02001 . . Phenylpyruvate tautomerase (5.3.2.1)
- 503/02002 . . Oxaloacetate tautomerase (5.3.2.2)
- 503/02003 . . TDP-4-oxo-6-deoxy-alpha-D-glucose-3,4-oxoisomerase (dTDP-3-dehydro-6-deoxy-alpha-D-galactopyranose-forming) (5.3.2.3)
- 503/02004 . . TDP-4-oxo-6-deoxy-alpha-D-glucose-3,4-oxoisomerase (dTDP-3-dehydro-6-deoxy-alpha-D-glucopyranose-forming) (5.3.2.4)
- 503/02005 . . 2,3-Diketo-5-methylthiopentyl-1-phosphate enolase (5.3.2.5)
- 503/02006 . . 2-Hydroxymuconate tautomerase (5.3.2.6)
- 503/03 . . transposing C=C bonds (5.3.3)
- 503/03001 . . Steroid DELTA-isomerase (5.3.3.1)
- 503/03002 . . Isopentenyl-diphosphate DELTA-isomerase (5.3.3.2)
- 503/03003 . . Vinylacetyl-CoA DELTA-isomerase (5.3.3.3)
- 503/03004 . . Muconolactone DELTA-isomerase (5.3.3.4)
- 503/03005 . . Cholestenol DELTA-isomerase (5.3.3.5)
- 503/03006 . . Methylitaconate DELTA-isomerase (5.3.3.6)
- 503/03007 . . Aconitate DELTA-isomerase (5.3.3.7)
- 503/03008 . . Dodecenoyl-CoA isomerase (5.3.3.8)
- 503/03009 . . Prostaglandin-A1 DELTA-isomerase (5.3.3.9)
- 503/0301 . . 5-Carboxymethyl-2-hydroxymuconate DELTA-isomerase (5.3.3.10)
- 503/03011 . . Isopiperitenone DELTA-isomerase (5.3.3.11)
- 503/03012 . . L-Dopachrome isomerase (5.3.3.12)
- 503/03013 . . Polyenoic fatty acid isomerase (5.3.3.13)

- 503/03014 . . Trans-2-decenoyl-[acyl-carrier-protein] isomerase (5.3.3.14)
- 503/03015 . . Ascopyrone tautomerase (5.3.3.15)
- 503/03016 . . 4-Oxalomesaconate tautomerase (5.3.3.16)
- 503/03017 . . Trans-2,3-dihydro-3-hydroxyanthranilate isomerase (5.3.3.17)
- 503/03018 . . 2-(1,2-Epoxy-1,2-dihydrophenyl)acetyl-CoA isomerase (5.3.3.18)
- 503/04 . . transposing S-S bonds (5.3.4)
- 503/04001 . . Protein disulfide-isomerase (5.3.4.1), i.e. disulfide bond-forming enzyme
- 503/99 . . Other intramolecular oxidoreductases (5.3.99)
- 503/99002 . . Prostaglandin-D synthase (5.3.99.2)
- 503/99003 . . Prostaglandin-E synthase (5.3.99.3)
- 503/99004 . . Prostaglandin-I synthase (5.3.99.4)
- 503/99005 . . Thromboxane-A synthase (5.3.99.5)
- 503/99006 . . Allene-oxide cyclase (5.3.99.6)
- 503/99007 . . Styrene-oxide isomerase (5.3.99.7)
- 503/99008 . . Capsanthin/capsorubin synthase (5.3.99.8)
- 503/99009 . . Neoxanthin synthase (5.3.99.9)
- 503/9901 . . Thiazole tautomerase (5.3.99.10)
- 504/00 Intramolecular transferases (5.4)**
- 504/01 . . transferring acyl groups (5.4.1)
- 504/01001 . . Lysolecithin acylmutase (5.4.1.1)
- 504/01002 . . Precorrin-8X methylmutase (5.4.1.2)
- 504/02 . . Phosphotransferases (phosphomutases) (5.4.2)
- 504/02001 . . Phosphoglycerate mutase (5.4.2.1)
- 504/02002 . . Phosphoglucomutase (5.4.2.2)
- 504/02003 . . Phosphoacetylglucosamine mutase (5.4.2.3)
- 504/02004 . . Bisphosphoglycerate mutase (5.4.2.4)
- 504/02005 . . Phosphoglucomutase (glucose-cofactor) (5.4.2.5)
- 504/02006 . . Beta-phosphoglucomutase (5.4.2.6)
- 504/02007 . . Phosphopentomutase (5.4.2.7)
- 504/02008 . . Phosphomannomutase (5.4.2.8)
- 504/02009 . . Phosphoenolpyruvate mutase (5.4.2.9)
- 504/0201 . . Phosphoglucosamine mutase (5.4.2.10)
- 504/03 . . transferring amino groups (5.4.3)
- 504/03002 . . Lysine 2,3-aminomutase (5.4.3.2)
- 504/03003 . . Beta-lysine 5,6-aminomutase (5.4.3.3)
- 504/03004 . . D-Lysine 5,6-aminomutase (5.4.3.4)
- 504/03005 . . D-Ornithine 4,5-aminomutase (5.4.3.5)
- 504/03006 . . Tyrosine 2,3-aminomutase (5.4.3.6)
- 504/03007 . . Leucine 2,3-aminomutase (5.4.3.7)
- 504/03008 . . Glutamate-1-semialdehyde 2,1-aminomutase (5.4.3.8)
- 504/03009 . . Glutamate 2,3-aminomutase (5.4.3.9)
- 504/04 . . transferring hydroxy groups (5.4.4)
- 504/04001 . . (Hydroxyamino)benzene mutase (5.4.4.1)
- 504/04002 . . Isochorismate synthase (5.4.4.2)
- 504/04003 . . 3-(Hydroxyamino)phenol mutase (5.4.4.3)
- 504/04004 . . Geraniol isomerase (5.4.4.4)
- 504/04005 . . 9,12-Octadecadienoate 8-hydroperoxide 8R-isomerase (5.4.4.5)
- 504/04006 . . 9,12-Octadecadienoate 8-hydroperoxide 8S-isomerase (5.4.4.6)
- 504/99 . . transferring other groups (5.4.99)
- 504/99001 . . Methylaspartate mutase (5.4.99.1)
- 504/99002 . . Methylmalonyl-CoA mutase (5.4.99.2)
- 504/99003 . . 2-Acetolactate mutase (5.4.99.3)
- 504/99004 . . 2-Methyleneglutarate mutase (5.4.99.4)
- 504/99005 . . Chorismate mutase (5.4.99.5)
- 504/99007 . . Lanosterol synthase (5.4.99.7), i.e. oxidosqualene-lanosterol cyclase
- 504/99008 . . Cycloartenol synthase (5.4.99.8)
- 504/99009 . . UDP-galactopyranose mutase (5.4.99.9)
- 504/99011 . . Isomaltulose synthase (5.4.99.11)
- 504/99012 . . tRNA pseudouridine38-40 synthase (5.4.99.12)
- 504/99013 . . Isobutyryl-CoA mutase (5.4.99.13)
- 504/99014 . . 4-Carboxymethyl-4-methylbutenolide mutase (5.4.99.14)
- 504/99015 . . (1->4)-Alpha-D-glucan 1-alpha-D-glucosylmutase (5.4.99.15)
- 504/99016 . . Maltose alpha-D-glucosyltransferase (5.4.99.16)
- 504/99017 . . Squalene--hopene cyclase (5.4.99.17)
- 504/99018 . . 5-(Carboxyamino)imidazole ribonucleotide mutase (5.4.99.18)
- 504/99019 . . 16S rRNA pseudouridine516 synthase (5.4.99.19)
- 504/9902 . . 23S rRNA pseudouridine2457 synthase (5.4.99.20)
- 504/99021 . . 23S rRNA pseudouridine2604 synthase (5.4.99.21)
- 504/99022 . . 23S rRNA pseudouridine2605 synthase (5.4.99.22)
- 504/99023 . . 23S rRNA pseudouridine1911/1915/1917 synthase (5.4.99.23)
- 504/99024 . . 23S rRNA pseudouridine955/2504/2580 synthase (5.4.99.24)
- 504/99025 . . tRNA pseudouridine55 synthase (5.4.99.25)
- 504/99026 . . tRNA pseudouridine65 synthase (5.4.99.26)
- 504/99027 . . tRNA pseudouridine13 synthase (5.4.99.27)
- 504/99028 . . tRNA pseudouridine32 synthase (5.4.99.28)
- 504/99029 . . 23S rRNA pseudouridine746 synthase (5.4.99.29)
- 504/9903 . . UDP-arabinopyranose mutase (5.4.99.30)
- 504/99031 . . Thalianol synthase (5.4.99.31)
- 504/99032 . . Protostadienol synthase (5.4.99.32)
- 504/99033 . . Cucurbitadienol synthase (5.4.99.33)
- 504/99034 . . Germanicol synthase (5.4.99.34)
- 504/99035 . . Taraxerol synthase (5.4.99.35)
- 504/99036 . . Isomultiflorenol synthase (5.4.99.36)
- 504/99037 . . Dammaradiene synthase (5.4.99.37)
- 504/99038 . . Camelliol C synthase (5.4.99.38)
- 504/99039 . . Beta-amyirin synthase (5.4.99.39)
- 504/9904 . . Alpha-amyirin synthase (5.4.99.40)
- 504/99041 . . Lupeol synthase (5.4.99.41)
- 504/99042 . . tRNA pseudouridine31 synthase (5.4.99.42)
- 504/99043 . . 21S rRNA pseudouridine2819 synthase (5.4.99.43)
- 504/99044 . . Mitochondrial tRNA pseudouridine27/28 synthase (5.4.99.44)
- 504/99045 . . tRNA pseudouridine38/39 synthase (5.4.99.45)
- 504/99046 . . Shionone synthase (5.4.99.46)
- 504/99047 . . Parkeol synthase (5.4.99.47)
- 504/99048 . . Achilleol B synthase (5.4.99.48)
- 504/99049 . . Glutanol synthase (5.4.99.49)
- 504/9905 . . Friedelin synthase (5.4.99.50)
- 504/99051 . . Baccharis oxide synthase (5.4.99.51)
- 504/99052 . . Alpha-seco-amyirin synthase (5.4.99.52)
- 504/99053 . . Marnerial synthase (5.4.99.53)
- 504/99054 . . Beta-seco-amyirin synthase (5.4.99.54)
- 504/99055 . . Delta amyirin synthase (5.4.99.55)
- 504/99056 . . Tirucalladienol synthase (5.4.99.56)
- 504/99057 . . Baruol synthase (5.4.99.57)
- 504/99058 . . Methylornithine synthase (5.4.99.58)

505/00 Intramolecular lyases (5.5)

- 505/01 . Intramolecular lyases (5.5.1)
- 505/01001 . . Muconate cycloisomerase (5.5.1.1)
- 505/01002 . . 3-Carboxy-cis,cis-muconate cycloisomerase (5.5.1.2)
- 505/01003 . . Tetrahydroxypteridine cycloisomerase (5.5.1.3)
- 505/01004 . . Inositol-3-phosphate synthase (5.5.1.4)
- 505/01005 . . Carboxy-cis,cis-muconate cyclase (5.5.1.5)
- 505/01006 . . Chalcone isomerase (5.5.1.6)
- 505/01007 . . Chloromuconate cycloisomerase (5.5.1.7)
- 505/01008 . . Bornyl diphosphate synthase (5.5.1.8)
- 505/01009 . . Cycloeucaleanol cycloisomerase (5.5.1.9)
- 505/0101 . . Alpha-pinene-oxide decyclase (5.5.1.10)
- 505/01011 . . Dichloromuconate cycloisomerase (5.5.1.11)
- 505/01012 . . Copalyl diphosphate synthase (5.5.1.12)
- 505/01013 . . Ent-copalyl diphosphate synthase (5.5.1.13)
- 505/01014 . . Syn-copalyl-diphosphate synthase (5.5.1.14)
- 505/01015 . . Terpentadienyl-diphosphate synthase (5.5.1.15)
- 505/01016 . . Halimadienyl-diphosphate synthase (5.5.1.16)
- 505/01017 . . (S)-Beta-macrocarpene synthase (5.5.1.17)
- 505/01018 . . Lycopene epsilon-cyclase (5.5.1.18)
- 505/01019 . . Lycopene beta-cyclase (5.5.1.19)
- 505/0102 . . Prosolanapyrone-III cycloisomerase (5.5.1.20)
- 505/01022 . . (-)-Bornyl diphosphate synthase (5.5.1.22)

599/00 Other isomerases (5.99)

- 599/01 . Other isomerases (5.99.1)
- 599/01001 . . Thiocyanate isomerase (5.99.1.1)
- 599/01002 . . DNA topoisomerase (5.99.1.2)
- 599/01003 . . DNA topoisomerase (ATP-hydrolysing) (5.99.1.3)
- 599/01004 . . 2-Hydroxychromene-2-carboxylate isomerase (5.99.1.4)

600/00 Ligases (6.)**601/00 Ligases forming carbon-oxygen bonds (6.1)**

- 601/01 . Ligases forming aminoacyl-tRNA and related compounds (6.1.1)
- 601/01001 . . Tyrosine-tRNA ligase (6.1.1.1)
- 601/01002 . . Tryptophan-tRNA ligase (6.1.1.2)
- 601/01003 . . Threonine-tRNA ligase (6.1.1.3)
- 601/01004 . . Leucine-tRNA ligase (6.1.1.4)
- 601/01005 . . Isoleucine-tRNA ligase (6.1.1.5)
- 601/01006 . . Lysine-tRNA ligase (6.1.1.6)
- 601/01007 . . Alanine--tRNA ligase (6.1.1.7)
- 601/01009 . . Valine--tRNA ligase (6.1.1.9)
- 601/0101 . . Methionine-tRNA ligase (6.1.1.10)
- 601/01011 . . Serine--tRNA ligase (6.1.1.11)
- 601/01012 . . Aspartate-tRNA ligase (6.1.1.12)
- 601/01013 . . D-Alanine--poly(phosphoribitol) ligase (6.1.1.13)
- 601/01014 . . Glycine-tRNA ligase (6.1.1.14)
- 601/01015 . . Proline--tRNA ligase (6.1.1.15)
- 601/01016 . . Cysteine-tRNA ligase (6.1.1.16)
- 601/01017 . . Glutamate-tRNA ligase (6.1.1.17)
- 601/01018 . . Glutamine--tRNA ligase (6.1.1.18)
- 601/01019 . . Arginine--tRNA ligase (6.1.1.19)
- 601/0102 . . Phenylalanine-tRNA ligase (6.1.1.20)
- 601/01021 . . Histidine-tRNA ligase (6.1.1.21)
- 601/01022 . . Asparagine-tRNA ligase (6.1.1.22)
- 601/01023 . . Aspartate--tRNA(Asn) ligase (6.1.1.23)
- 601/01024 . . Glutamate--tRNA(Gln) ligase (6.1.1.24)
- 601/01026 . . Pyrrolysine-tRNAPyl ligase (6.1.1.26)

- 601/01027 . . O-Phosphoserine--tRNA ligase (6.1.1.27)
- 601/02 . Acid--alcohol ligases (ester synthases)(6.1.2)
- 601/02001 . . D-Alanine--(R)-lactate ligase (6.1.2.1)

602/00 Ligases forming carbon-sulfur bonds (6.2)

- 602/01 . Acid-Thiol Ligases (6.2.1)
- 602/01001 . . Acetate-CoA ligase (6.2.1.1)
- 602/01002 . . Butyrate-CoA ligase (6.2.1.2)
- 602/01003 . . Long-chain-fatty-acid-CoA ligase (6.2.1.3)
- 602/01004 . . Succinate-CoA ligase (GDP-forming) (6.2.1.4)
- 602/01005 . . Succinate-CoA ligase (ADP-forming) (6.2.1.5)
- 602/01006 . . Glutarate--CoA ligase (6.2.1.6)
- 602/01007 . . Cholate--CoA ligase (6.2.1.7)
- 602/01008 . . Oxalate--CoA ligase (6.2.1.8)
- 602/01009 . . Malate--CoA ligase (6.2.1.9)
- 602/0101 . . Acid--CoA ligase (GDP-forming) (6.2.1.10)
- 602/01011 . . Biotin--CoA ligase (6.2.1.11)
- 602/01012 . . 4-Coumarate-CoA ligase (6.2.1.12)
- 602/01013 . . Acetate--CoA ligase (ADP-forming) (6.2.1.13)
- 602/01014 . . 6-Carboxyhexanoate--CoA ligase (6.2.1.14)
- 602/01015 . . Arachidonate--CoA ligase (6.2.1.15)
- 602/01016 . . Acetoacetate-CoA ligase (6.2.1.16)
- 602/01017 . . Propionate--CoA ligase (6.2.1.17)
- 602/01018 . . Citrate--CoA ligase (6.2.1.18)
- 602/01019 . . Long-chain-fatty-acid--luciferin-component ligase (6.2.1.19)
- 602/0102 . . Long-chain-fatty-acid--[acyl-carrier-protein] ligase (6.2.1.20)
- 602/01022 . . [Citrate (pro-3S)-lyase] ligase (6.2.1.22)
- 602/01023 . . Dicarboxylate--CoA ligase (6.2.1.23)
- 602/01024 . . Phytanate--CoA ligase (6.2.1.24)
- 602/01025 . . Benzoate--CoA ligase (6.2.1.25)
- 602/01026 . . O-Succinylbenzoate-CoA ligase (6.2.1.26)
- 602/01027 . . 4-Hydroxybenzoate--CoA ligase (6.2.1.27)
- 602/01028 . . 3-Alpha,7-alpha-dihydroxy-5-beta-cholestanate--CoA ligase (6.2.1.28)
- 602/0103 . . Phenylacetate--CoA ligase (6.2.1.30)
- 602/01031 . . 2-Furoate--CoA ligase (6.2.1.31)
- 602/01032 . . Anthranilate--CoA ligase (6.2.1.32)
- 602/01033 . . 4-Chlorobenzoate--CoA ligase (6.2.1.33)
- 602/01034 . . Trans-feruloyl-CoA synthase (6.2.1.34)
- 602/01035 . . ACP-SH:acetate ligase (6.2.1.35)
- 602/01036 . . 3-Hydroxypropionyl-CoA synthase (6.2.1.36)
- 602/01037 . . 3-Hydroxybenzoate--CoA ligase (6.2.1.37)
- 602/01038 . . (2,2,3-Trimethyl-5-oxocyclopent-3-enyl)acetyl-CoA synthase (6.2.1.38)
- 602/01039 . . [Butirosin acyl-carrier protein]--L-glutamate ligase (6.2.1.39)

603/00 Ligases forming carbon-nitrogen bonds (6.3)

- 603/01 . Acid-ammonia (or amine)ligases (amide synthases) (6.3.1)
- 603/01001 . . Aspartate--ammonia ligase (6.3.1.1)
- 603/01002 . . Glutamate-ammonia ligase (6.3.1.2)
- 603/01004 . . Aspartate--ammonia ligase (ADP-forming) (6.3.1.4)
- 603/01005 . . NAD⁺ synthase (6.3.1.5)
- 603/01006 . . Glutamate--ethylamine ligase (6.3.1.6)
- 603/01007 . . 4-Methyleneglutamate--ammonia ligase (6.3.1.7)
- 603/01008 . . Glutathionylspermidine synthase (6.3.1.8)
- 603/01009 . . Trypanothione synthase (6.3.1.9)
- 603/0101 . . Adenosylcobinamide-phosphate synthase (6.3.1.10)

- 603/01011 . . Glutamate--putrescine ligase (6.3.1.11)
- 603/01012 . . D-Aspartate ligase (6.3.1.12)
- 603/01013 . . L-Cysteine:1D-myo-inositol 2-amino-2-deoxy-alpha-D-glucopyranoside ligase (6.3.1.13)
- 603/01014 . . Diphthine--ammonia ligase (6.3.1.14)
- 603/02 . . Acid--amino-acid ligases (peptide synthases)(6.3.2)
- 603/02001 . . Pantoate-beta-alanine ligase (6.3.2.1)
- 603/02002 . . Glutamate-cysteine ligase (6.3.2.2)
- 603/02003 . . Glutathione synthase (6.3.2.3)
- 603/02004 . . D-Alanine-D-alanine ligase (6.3.2.4)
- 603/02005 . . Phosphopantothenate--cysteine ligase (6.3.2.5)
- 603/02006 . . Phosphoribosylaminoimidazolesuccinocarboxamide synthase (6.3.2.6)
- 603/02007 . . UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--L-lysine ligase (6.3.2.7)
- 603/02008 . . UDP-N-acetylmuramate-L-alanine ligase (6.3.2.8)
- 603/02009 . . UDP-N-acetylmuramoyl-L-alanine-D-glutamate ligase (6.3.2.9)
- 603/0201 . . UDP-N-acetylmuramoyl-tripeptide-D-alanyl-D-alanine ligase (6.3.2.10)
- 603/02011 . . Carnosine synthase (6.3.2.11)
- 603/02012 . . Dihydrofolate synthase (6.3.2.12)
- 603/02013 . . UDP-N-acetylmuramoyl-L-alanyl-D-glutamate-2,6-diaminopimelate ligase (6.3.2.13)
- 603/02014 . . 2,3-Dihydroxybenzoate--serine ligase (6.3.2.14)
- 603/02016 . . D-Alanine--alanyl-poly(glycerolphosphate) ligase (6.3.2.16)
- 603/02017 . . Tetrahydrofolate synthase (6.3.2.17)
- 603/02018 . . Gamma-glutamylhistamine synthase (6.3.2.18)
- 603/02019 . . Ubiquitin-protein ligase (6.3.2.19), i.e. ubiquitin-conjugating enzyme
- 603/0202 . . Indoleacetate--lysine synthetase (6.3.2.20)
- 603/02021 . . Ubiquitin--calmodulin ligase (6.3.2.21)
- 603/02023 . . Homoglutathione synthase (6.3.2.23)
- 603/02024 . . Tyrosine--arginine ligase (6.3.2.24)
- 603/02025 . . Tubulin-tyrosine ligase (6.3.2.25)
- 603/02026 . . N-(5-Amino-5-carboxypentanoyl)-L-cysteinyl-D-valine synthase (6.3.2.26)
- 603/02028 . . L-Amino-acid alpha-ligase (6.3.2.28)
- 603/02029 . . Cyanophycin synthase (L-aspartate-adding) (6.3.2.29)
- 603/0203 . . Cyanophycin synthase (L-arginine-adding) (6.3.2.30)
- 603/02031 . . Coenzyme F420-0:L-glutamate ligase (6.3.2.31)
- 603/02032 . . Coenzyme gamma-F420-2:alpha-L-glutamate ligase (6.3.2.32)
- 603/02033 . . Tetrahydrosarcinapterin synthase (6.3.2.33)
- 603/02034 . . Coenzyme F420-1:gamma-L-glutamate ligase (6.3.2.34)
- 603/02035 . . D-Alanine--D-serine ligase (6.3.2.35)
- 603/02036 . . 4-Phosphopantoate--beta-alanine ligase (6.3.2.36)
- 603/02037 . . UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--D-lysine ligase (6.3.2.37)
- 603/02038 . . N2-Citryl-N6-acetyl-N6-hydroxylysine synthase (6.3.2.38)
- 603/02039 . . Aerobactin synthase (6.3.2.39)
- 603/03 . . Cyclo-ligases (6.3.3)
- 603/03001 . . Phosphoribosylformylglycinamidine cyclo-ligase (6.3.3.1)
- 603/03002 . . 5-Formyltetrahydrofolate cyclo-ligase (6.3.3.2)
- 603/03003 . . Dethiobiotin synthase (6.3.3.3)
- 603/03004 . . (Carboxyethyl)arginine beta-lactam-synthase (6.3.3.4)
- 603/04 . . Other carbon-nitrogen ligases (6.3.4)
- 603/04001 . . GMP synthase (6.3.4.1)
- 603/04002 . . CTP synthase (6.3.4.2)
- 603/04003 . . Formate--tetrahydrofolate ligase (6.3.4.3)
- 603/04004 . . Adenylosuccinate synthase (6.3.4.4)
- 603/04005 . . Argininosuccinate synthase (6.3.4.5)
- 603/04006 . . Urea carboxylase (6.3.4.6)
- 603/04007 . . Ribose-5-phosphate--ammonia ligase (6.3.4.7)
- 603/04008 . . Imidazoleacetate--phosphoribosyldiphosphate ligase (6.3.4.8)
- 603/04009 . . Biotin--[methylmalonyl-CoA-carboxytransferase] ligase (6.3.4.9)
- 603/0401 . . Biotin--[propionyl-CoA-carboxylase (ATP-hydrolyzing)] ligase (6.3.4.10)
- 603/04011 . . Biotin--[methylcrotonoyl-CoA-carboxylase] ligase (6.3.4.11)
- 603/04012 . . Glutamate--methylamine ligase (6.3.4.12)
- 603/04013 . . Phosphoribosylamine-glycine ligase (6.3.4.13)
- 603/04014 . . Biotin carboxylase (6.3.4.14)
- 603/04015 . . Biotin-[acetyl-CoA-carboxylase] ligase (6.3.4.15)
- 603/04016 . . Carbamoyl-phosphate synthase (ammonia) (6.3.4.16)
- 603/04017 . . Formate--dihydrofolate ligase (6.3.4.17)
- 603/04018 . . 5-(Carboxyamino)imidazole ribonucleotide synthase (6.3.4.18)
- 603/04019 . . tRNA(Ile)-lysidine synthetase (6.3.4.19)
- 603/0402 . . 7-Cyano-7-deazaguanine synthase (6.3.4.20)
- 603/05 . . Carbon-nitrogen ligases with glutamine as amido-N-donor (6.3.5)
- 603/05001 . . NAD+ synthase (glutamine-hydrolyzing) (6.3.5.1)
- 603/05002 . . GMP synthase (glutamine-hydrolysing) (6.3.5.2), i.e. glutamine amidotransferase
- 603/05003 . . Phosphoribosylformylglycinamidine synthase (6.3.5.3)
- 603/05004 . . Asparagine synthase (glutamine-hydrolyzing) (6.3.5.4)
- 603/05005 . . Carbamoyl-phosphate synthase (glutamine-hydrolysing) (6.3.5.5)
- 603/05006 . . Asparaginyl-tRNA synthase (glutamine-hydrolyzing) (6.3.5.6)
- 603/05007 . . Glutaminyl-tRNA synthase (glutamine-hydrolyzing) (6.3.5.7)
- 603/05009 . . Hydrogenobyrinic acid a,c-diamide synthase (glutamine-hydrolyzing) (6.3.5.9)
- 603/0501 . . Adenosylcobyric acid synthase (glutamine-hydrolyzing) (6.3.5.10)
- 603/05011 . . Cobyrrinate a,c-diamide synthase (glutamine-hydrolyzing) (6.3.5.11)
- 604/00 Ligases forming carbon-carbon bonds (6.4)**
- 604/01 . . Ligases forming carbon-carbon bonds (6.4.1)
- 604/01001 . . Pyruvate carboxylase (6.4.1.1)
- 604/01002 . . Acetyl-CoA carboxylase (6.4.1.2)
- 604/01003 . . Propionyl-CoA carboxylase (6.4.1.3)
- 604/01004 . . Methylcrotonoyl-CoA carboxylase (6.4.1.4)
- 604/01005 . . Geranoyl-CoA carboxylase (6.4.1.5)
- 604/01006 . . Acetone carboxylase (6.4.1.6)
- 604/01007 . . 2-Oxoglutarate carboxylase (6.4.1.7)
- 604/01008 . . Acetophenone carboxylase (6.4.1.8)
- 605/00 Ligases forming phosphoric ester bonds (6.5)**

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- 605/01 . forming phosphoric ester bonds (6.5.1)
- 605/01001 . . DNA ligase (ATP) (6.5.1.1)
- 605/01002 . . DNA ligase (NAD⁺) (6.5.1.2)
- 605/01003 . . RNA ligase (ATP) (6.5.1.3)
- 605/01004 . . RNA-3'-phosphate cyclase (6.5.1.4)

606/00 Ligases forming nitrogen-metal bonds (6.6)

- 606/01 . forming coordination complexes (6.6.1)
- 606/01001 . . Magnesium chelatase (6.6.1.1)
- 606/01002 . . Cobaltochelataase (6.6.1.2)