

Carbohydrate-binding module (CBM)

<u>EC-number</u>	<u>Name</u>
EC:3.1.3.16	Protein-serine/threonine phosphatase
EC:2.4.1.21	Starch synthase
EC:2.4.1.18	1,4- α -glucan branching enzyme
EC:2.4.1.25	4- α -glucanotransferase
EC:3.1.1.73	Feruloyl esterase

Carbohydrate esterase (CE)

<u>EC-number</u>	<u>Name</u>
EC:3.5.1.108	UDP-3-O-acyl-N-acetylglucosamine deacetylase
EC:3.2.1.4	Cellulase
EC:3.5.1.25	N-acetylglucosamine-6-phosphate deacetylase
EC:3.2.1.55	Non-reducing end α -L-arabinofuranosidase
EC:3.1.1.3	Triacylglycerol lipase
EC:3.2.1.40	α -L-rhamnosidase
EC:3.1.1.74	Cutinase
EC:3.2.1.8	Endo-1,4- β -xylanase
EC:3.5.1.115	Mycothiols S-conjugate amidase
EC:3.5.1.105	Chitin disaccharide deacetylase
EC:2.3.1.20	Diacylglycerol O-acyltransferase
EC:3.1.1.11	Pectinesterase
EC:3.1.1.73	Feruloyl esterase
EC:4.2.2.2	Pectate lyase
EC:3.1.1.41	Cephalosporin-C deacetylase
EC:2.3.1.122	Trehalose O-mycolyltransferase

Glycosyl hydrolase (GH)

<u>EC-number</u>	<u>Name</u>
EC:3.2.1.1	α -amylase
EC:3.2.1.10	Oligo-1,6-glucosidase
EC:3.2.1.122	Maltose-6-phosphate glucosidase
EC:3.2.1.123	Endoglycoceramidase
EC:3.2.1.135	Neopullulanase
EC:3.2.1.139	α -glucuronidase
EC:3.2.1.14	Chitinase
EC:3.2.1.141	4- α -D- $\{(1\rightarrow4)\text{-}\alpha$ -D-glucano $\}$ trehalose trehalohydrolase
EC:3.2.1.166	Heparanase
EC:3.2.1.17	Lysozyme
EC:3.2.1.170	Mannosylglycerate hydrolase
EC:3.2.1.172	Unsaturated rhamnogalacturonyl hydrolase
EC:3.2.1.177	α -D-xyloside xylohydrolase

EC:3.2.1.18	Exo- α -sialidase
EC:3.2.1.180	Unsaturated chondroitin disaccharide hydrolase
EC:3.2.1.183	UDP- <i>N</i> -acetylglucosamine 2-epimerase (hydrolysing)
EC:3.2.1.184	UDP- <i>N,N'</i> -diacetylglucosamine 2-epimerase (hydrolysing)
EC:3.2.1.20	α -glucosidase
EC:3.2.1.21	β -glucosidase
EC:3.2.1.22	α -galactosidase
EC:3.2.1.23	β -galactosidase
EC:3.2.1.24	α -mannosidase
EC:3.2.1.25	β -mannosidase
EC:3.2.1.26	β -fructofuranosidase
EC:3.2.1.28	α,α -trehalase
EC:3.2.1.3	Glucan 1,4- α -glucosidase
EC:3.2.1.31	β -glucuronidase
EC:3.2.1.37	β -xylosidase
EC:3.2.1.4	Endo- β -1,4-glucanase / cellulase
EC:3.2.1.40	α -L-rhamnosidase
EC:3.2.1.41	Pullulanase
EC:3.2.1.45	β -glucosylceramidase
EC:3.2.1.51	α -L-fucosidase
EC:3.2.1.52	β -N-acetylhexosaminidase
EC:3.2.1.55	α -L-arabinofuranosidase
EC:3.2.1.58	Glucan β -1,3-glucosidase
EC:3.2.1.6	Endo-1,3(4)- β -glucanase
EC:3.2.1.65	Levanase
EC:3.2.1.70	Glucan 1,6- α -glucosidase
EC:3.2.1.78	Mannan endo- β -1,4-mannosidase
EC:3.2.1.8	Endo- β -1,4-xylanase
EC:3.2.1.80	Fructan β -fructosidase
EC:3.2.1.81	β -agarase
EC:3.2.1.85	6-phospho- β -galactosidase
EC:3.2.1.86	6-phospho- β -glucosidase
EC:3.2.1.89	Arabinogalactan endo- β -1,4-galactanase
EC:3.2.1.91	Cellulose β -1,4-cellobiosidase
EC:3.2.1.93	α,α -phosphotrehalase
EC:3.2.1.96	Endo- β -N-acetylglucosaminidase
EC:3.2.1.99	Arabinan endo-1,5- α -L-arabinanase

Glycosyltransferase (GT)

<u>EC-number</u>	<u>Name</u>
EC:2.4.1.1	Glycogen phosphorylase
EC:2.4.1.11	Glycogen(starch) synthase
EC:2.4.1.12	Cellulose synthase (UDP-forming)
EC:2.4.1.129	Peptidoglycan glycosyltransferase

EC:2.4.1.13	Sucrose synthase
EC:2.4.1.14	Sucrose-phosphate synthase
EC:2.4.1.144	β -14-mannosyl-glycoprotein 4- β -N-acetylglucosaminyltransferase
EC:2.4.1.15	α , α -trehalose-phosphate synthase (UDP-forming)
EC:2.4.1.182	Lipid-A-disaccharide synthase
EC:2.4.1.208	Diglucosyl diacylglycerol synthase (1,2-linking)
EC:2.4.1.21	Starch synthase
EC:2.4.1.212	Hyaluronan synthase
EC:2.4.1.213	Glucosylglycerol-phosphate synthase
EC:2.4.1.227	Undecaprenyldiphospho-muramoylpentapeptide β -N-acetylglucosaminyltransferase
EC:2.4.1.245	α , α -trehalose synthase
EC:2.4.1.252	GDP-mannose:cellobiosyl-diphosphopolyprenol α -mannosyltransferase
EC:2.4.1.266	Glucosyl-3-phosphoglycerate synthase
EC:2.4.1.276	Zeaxanthin glucosyltransferase
EC:2.4.1.287	Rhamnopyranosyl-N-acetylglucosaminyl-diphospho-decaprenol β -1,4/1,5-galactofuranosyltransferase
EC:2.4.1.288	Galactofuranosylgalactofuranosylrhamnosyl-N-acetylglucosaminyl-diphospho-decaprenol β -1,5/1,6-galactofuranosyltransferase
EC:2.4.1.289	N-acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase
EC:2.4.1.57	Phosphatidylinositol α -mannosyltransferase
EC:2.4.1.58	Lipopolysaccharide glucosyltransferase I
EC:2.4.1.80	Ceramide glucosyltransferase
EC:2.4.1.83	Dolichyl-phosphate β -D-mannosyltransferase
EC:2.4.2.43	Lipid IV(A) 4-amino-4-deoxy-L-arabinosyltransferase
EC:2.4.99.18	Dolichyl-diphosphooligosaccharide--protein glycotransferase
EC:3.1.3.12	Trehalose-phosphatase

Polysaccharide lyase (PL)

<u>EC-number</u>	<u>Name</u>
EC:4.2.2.3	Mannuronate-specific alginate lyase
EC:4.2.2.2	Pectate lyase
EC:4.2.2.5	Chondroitin AC lyase
EC:4.2.2.1	Hyaluronate lyase
EC:4.2.2.20	Chondroitin-sulfate-ABC endolyase
EC:4.2.2.21	Chondroitin-sulfate-ABC exolyase
EC:4.2.2.23	Rhamnogalacturonan endolyase
EC:4.2.2.6	Oligogalacturonide lyase