

		I							II					III	III				IV				V					V					V
		Pet							Pet					Ocy	Tue				Tue				Bir					Gec					Geo
pullulanase isoamylase glucoamylase alpha-amylase	Amylolytic enzymes																																
cellulase cellobiosidase beta-glucosidase	Cellulose degrading																																
hexosaminidase chitiniase	Chitin degrading																																
mannan endo-1,4-beta-mannosidase alpha-D-xyloside xylohydrolase	Endohemicellulases																																
beta-glucuronidase arabinosidase alpha-L-rhamnosidase	Hemicullulose debranching																																
beta-xylosidase beta-mannosidase beta-galactosidase	Other oligosaccharide degrading																																
		119	120	177	178	209	214	99	140	147	179	82	88	OC01	DC06	DC10	DC11	DC17	DM13	DM14	DM15	DM16	BLB	BLB_WG4	BLR	BLR_WG4	BLS	GH01	GN13	GN15	GN18	GN19	GG01

Status Present Absent