

Supplementary Table S3. Classification, number and predicted activities of glycoside hydrolase genes identified in the L21-Fru-AB^T genome by the CAZy database

(<http://www.cazy.org>).

<i>Glycoside hydrolase family</i>	<i>No. of genes</i>	<i>Predicted activities</i> ^a
GH2	3	β-galactosidase, β-mannosidase
GH3	1	β-glucosidase
GH5	3	endoglycoceramidase
GH9	1	endoglucanase
GH13	5	α-amylase, amylo-α-1,6-glucosidase, 1,4-α-glucan branching, sucrose phosphorylase, trehalose-6-phosphate hydrolase
GH20	1	β-hexosaminidase
GH31	1	α-xylosidase
GH32	4	sucrose-6-phosphate hydrolase
GH33	1	neuraminidase
GH38	1	α-mannosidase
GH39	5	β-xylosidase
GH43	1	β-xylosidase
GH44	1	endoglucanase
GH65	3	trehalose phosphorylase, kojibiose phosphorylase
GH78	12	α-L-rhamnosidase
GH89	1	α-N-acetylglucosaminidase
GH95	1	α-L-fucosidase
GH97	1	α-glucosidase
GH105	1	unsaturated β-glucuronyl hydrolase
GH106	6	α-L-rhamnosidase
GH110	1	α-galactosidase
GH115	1	α-glucuronidase
GH127	2	β-L-arabinofuranosidase
GH130	1	phosphorylase
GH133	1	amylo-α-1,6-glucosidase
GHnc ^b	7	unknown

^a The predicted activities of enzymes encoded by genes affiliated to distinct glycoside hydrolase families were either based on the annotation of the L21-Fru-AB^T genome sequence or were general predictions taken from the CAZy database (<http://www.cazy.org/Glycoside-Hydrolases.html>), if no annotation based on protein similarity was possible.

^b Non-classified glycoside hydrolase genes not yet assigned to a family.