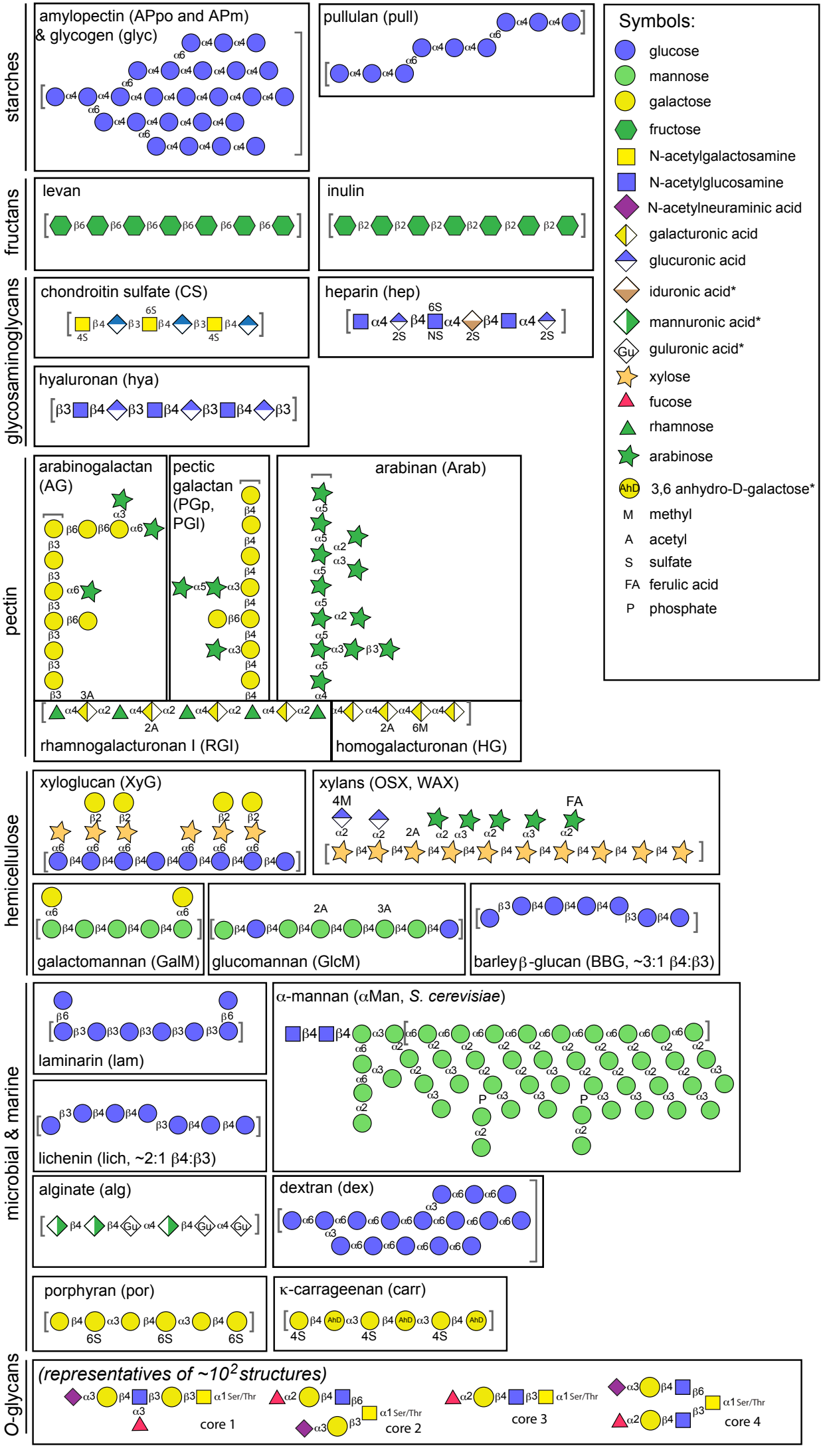
Figure S1


starches
amylopectin (APpo and APm) & glycogen (glyc)
pullulan (pull)
fructans
levan
inulin
glycosaminoglycans
chondroitin sulfate (CS)
heparin (hep)
hyaluronan (hya)
pectin
arabinogalactan (AG)
pectic galactan (PGp, PGl)
arabinan (Arab)
rhamnogalacturonan I (RGI)
homogalacturonan (HG)
hemicellulose
xyloglucan (XyG)
xylans (OSX, WAX)
galactomannan (GalM)
glucomannan (GlcM)
barley β-glucan (BBG, ~3:1 β4:β3)
microbial & marine
laminarin (lam)
α-mannan (αMan, S. cerevisiae)
lichenin (lich, ~2:1 β4:β3)
alginate (alg)
dextran (dex)
porphyran (por)
κ-carrageenan (carr)
O-glycans
(representatives of ~10² structures)
core 1
core 2
core 3
core 4
Symbols:
glucose
mannose
galactose
fructose
N-acetylgalactosamine
N-acetylglucosamine
N-acetylneuraminic acid
galacturonic acid
glucuronic acid
iduronic acid*
mannuronic acid*
guluronic acid*
xylose
fucose
rhamnose
arabinose
3,6 anhydro-D-galactose*
M methyl
A acetyl
S sulfate
FA ferulic acid
P phosphate