

Table. Assignment of linkages to polysaccharides

Polysaccharides	Linkage assignments
Arabinan	t-Araf, 5-Araf, 2,5-Araf, 2,3,5-Araf
Heteroxylan (HX)	t-Araf, t-GlcAp, 4-O-Me t-GlcAp, 4-Xylp, 2,4-Xylp, 3,4-Xylp, 2,3,4-Xylp
Type I arabinogalactan (AG-1)	t-Araf, 4-Galp, 3,4-Galp, 4,6-Galp
Type II arabinogalactan (AG-2)	t-Rhap, t-Fucp, t-Araf, t-Arap, 2-Araf, 3-Araf, t-Galp, 3-Galp, 6-Galp, 3,6-Galp, 3,4,6-Galp
Xyloglucan (XG)	t-Xylp, t-Galp, 2-Xylp, 4-Glcp, 4,6-Glcp
Mixed linkage glucan (MLG)	3-Glcp, 4-Glcp
Cellulose	4-Glcp
Homogalacturonan (HG)	t-GalAp, 4-GalAp
Heteromannan (HM)	4-Manp, 4-Glcp, 4,6-Manp, t-Galp

Note: The assignments of polysaccharide linkages were according to Pettolino *et al.* (2012). No 4-Glcp linkage was assigned to cellulose in F_{EDTA+Na₂CO₃} and F_{4MKOH} according to previous report (Hsieh *et al.*, 2008).