Bifidobacterium longum LFYP82 D-galactose (Gal) D-fructose (Fru) D-mannose (Man) D-xylose (Xyl) 2.0 1.5 1.0 0.5 0.0 N-acetyl-D-mannosamine (ManNAc) L-arabinose (Ara) D-ribose (Rib) N-acetyl-D-glucosamine (GlcNAc) N-acetyl-D-galactosamine (GalNAc) N-acetylneuraminic acid (Neu5Ac) 2.0 1.5 1.0 0.5 0.0 D-glucuronate (GlcA) Myo-inositol (Ino) D-mannitol (Mtl) D-sorbitol (Stl) 2.0 1.5 1.0 0.5 0.0 Maltose (Mal) Maltotriose (MOS) Isomaltotriose (IMO) Melezitose (MIz) Cellobiose (BgIOS) Gentiobiose (BgIOS) 2.0 1.5 1.0 0.5 00**0**00 0.0 2.0 Raffinose (RFO) 1.5 1.0 0.5 0.0 Chicory fructooligosaccharides (IcFOS) Mannotriose (bMnOS) Xylotriose (XOS) Arabinotriose (aAOS) Lacto-N-tetraose (LNT) 2.0 1.5 1.0 0.5 0.0 6'-sialyllactose (SHMO) Pullulan (PUL) 2'-fucosyllactose (2'FL) 3'-sialyllactose (SHMO) Potato soluble starch (ST) Gum arabic from acacia tree (GA) 2.0 1.5 1.0 0.5 0.0 40 Konjac glucomannan (bMAN) Tamarind xyloglucan (XGL) 2.0 1.5

1.0 0.5 0.0

20

30

10

20

30

40 0

Time (h)

10

20