Bifidobacterium bifidum M257B_A12 D-galactose (Gal) D-fructose (Fru) D-mannose (Man) D-xylose (Xyl) 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) 1.0 0.5 D-glucuronate (GlcA) D-galacturonate (GalA) D-mannitol (Mtl) D-sorbitol (Stl) Myo-inositol (Ino) 1.0 0.5 0.0 Maltose (Mal) Isomaltotriose (IMO) Melezitose (MIz) Cellobiose (BgIOS) Gentiobiose (BgIOS) Melibiose (Mel) 1.0 0.5 0.0 0.0 1.0 0.5 0.0 Xylotriose (XOS) Arabinotriose (aAOS) Lacto-N-tetraose (LNT) Lacto-N-neotetraose (LNnT) 2'-fucosyllactose (2'FL) 3'-sialyllactose (SHMO) 1.0 0.5 0.0 Konjac glucomannan (bMAN) 6'-sialyllactose (SHMO) Potato soluble starch (ST) Pullulan (PUL) Gum arabic from acacia tree (GA) Sugar beet arabinan (AR) 1.0 0.5 0.0 30 10 10 20 Tamarind xyloglucan (XGL)

Time (h)

1.0

0.5

0.0

10 20 30