Bifidobacterium catenulatum subsp. kashiwanohense_A Bg42221_1D3 D-xylose (Xyl) 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) 1.5 1.0 0.5 0.0 D-sorbitol (Stl) D-glucuronate (GlcA) D-galacturonate (GalA) D-gluconate (Gco) Myo-inositol (Ino) D-mannitol (Mtl) 1.5 1.0 0.5 0.0 Maltose (Mal) Isomaltotriose (IMO) Melezitose (MIz) Cellobiose (BgIOS) Gentiobiose (BgIOS) Melibiose (Mel) 1.5 1.0 0.5 OD600 0.0 1.5 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) 1.5 1.0 0.5 0.0 6'-sialyllactose (SHMO) Pullulan (PUL) Potato soluble starch (ST) Gum arabic from acacia tree (GA) Konjac glucomannan (bMAN) Wheat flour arabinoxylan (AX) 1.5 1.0 0.5 0.0 40 Tamarind xyloglucan (XGL) Sugar beet arabinan (AR) 1.5 1.0 0.5

Time (h)

0.0

20 30

40 0

20

30