Bifidobacterium breve LFYP81 No substrate D-glucose (Glc) D-galactose (Gal) D-fructose (Fru) D-mannose (Man) D-xylose (Xyl) 1.5 1.0 0.5 0.0 N-acetyl-D-glucosamine (GlcNAc) L-arabinose (Ara) N-acetyl-D-galactosamine (GalNAc) N-acetyl-D-mannosamine (ManNAc) N-acetylneuraminic acid (Neu5Ac) 1.5 1.0 0.5 0.0 D-glucuronate (GlcA) 1.5 1.0 0.5 0.0 Panose (IMO) Maltose (Mal) Maltotriose (MOS) Isomaltotriose (IMO) Melezitose (MIz) Cellobiose (BgIOS) 1.5 1.0 0.5 0.0 0D**0**00 1.5 1.0 0.5 0.0 Fructooligosaccharide DP=3 (scFOS) 1.5 1.0 0.5 0.0 Lacto-N-tetraose (LNT) 2'-fucosyllactose (2'FL) 6'-sialyllactose (SHMO) Lacto-N-neotetraose (LNnT) 3'-sialyllactose (SHMO) Potato soluble starch (ST) 1.5 1.0 0.5 0.0 Pullulan (PUL) Gum arabic from acacia tree (GA) Konjac glucomannan (bMAN) Sugar beet arabinan (AR) Tamarind xyloglucan (XGL) 1.5 1.0

0.5

10 20 30

30

40 0

10 20

10 20

30

40 0

Time (h)

10 20

30

40 0

20

30

40

10 20 30

10