Bifidobacterium catenulatum subsp. kashiwanohense_A Bg42221_1D3 No substrate D-glucose (Glc) D-fructose (Fru) D-galactose (Gal) D-mannose (Man) 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-galactosamine (GalNAc) N-acetylneuraminic acid (Neu5Ac) 1.5 1.0 0.5 0.0 D-gluconate (Gco) D-sorbitol (Stl) 1.5 1.0 0.5 0.0 Maltose (Mal) Isomaltotriose (IMO) Melezitose (Mlz) Cellobiose (BgIOS) Gentiobiose (BgIOS) Melibiose (Mel) 1.5 1.0 0.5 OD600 0.0 Raffinose (RFO) Fructooligosaccharide DP=3 (scFOS) 1.5 1.0 0.5 0.0 Xylotriose (XOS) 1.5 1.0 0.5 0.0 6'-sialyllactose (SHMO) Pullulan (PUL) Gum arabic from acacia tree (GA) Potato soluble starch (ST) Konjac glucomannan (bMAN) Wheat flour arabinoxylan (AX) 1.5 1.0 0.5 0.0 10 20 30 40 0 10 20 30 40 0 20 30 40 10 20 30 10 Sugar beet arabinan (AR) Tamarind xyloglucan (XGL) 1.5 1.0 0.5 0.0 30 40 10 20 Ö 10 20 30

Time (h)