Bifidobacterium scardovii JCM 12489 = DSM 13734 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 L-arabinose (Ara) N-acetyl-D-mannosamine (ManNAc) 1.5 1.0 -0.5 0.0 1.5 1.0 0.5 0.0 Melezitose (Mlz) Sophorose (BgIOS) Maltose (Mal) Cellobiose (BgIOS) Gentiobiose (BgIOS) 1.5 1.0 0.5 0.0 0.0 1.5 1.0 0.5 0.0 1.5 1.0 0.5 0.0 3'-sialyllactose (SHMO) 6'-sialyllactose (SHMO) Pullulan (PUL) Gum arabic from acacia tree (GA) Potato soluble starch (ST) Konjac glucomannan (bMAN) 1.5 1.0 0.5 0.0 10 20 30 40 0 20 30 40 0 20 30 40 10 20 30 10 10 Sugar beet arabinan (AR) Tamarind xyloglucan (XGL) 1.5 1.0

Time (h)

0.5

30

10 20

40

10 20

30