

Table S4. Loss of plant-derived sugar metabolism in *B. longum* subsp. *infantis* ATCC15697

Genome feature	COG	<i>B. longum</i> ssp. <i>infantis</i> ATCC15697	<i>B. longum</i> ssp. <i>longum</i> NCC2705	<i>B. adolescentis</i> ATCC15703
xylose isomerase (<i>xylA</i>)	COG2115	0	1	1
α -xylosidase	COG1501	0	3	1
β -xylosidase	COG3507	1	5	5
ABC-type xylose transport system, periplasmic component	COG4213	0	1	1
ABC-type xylose transport system, permease component	COG4214	0	2	0
ATP binding protein of ABC transporter for pentoses	COG1129	0	3	0
α -N-arabinofuranosidase	COG3940	0	2	2
α -L-arabinofuranosidase	COG3534	1	5	2
arabinose isomerase (<i>araA</i>)	COG2160	0	1	1
L-ribulose-5-phosphate 4-epimerase (<i>araD</i>)	COG0235	0	1	1