

Table S1. General genomic features of the two novel strains and closely related type strains within the genus *Bacteroides*.

Strains: 1, KFT8^T; 2, *B. facilis* NSJ-77^T; 3, *B. ovatus* ATCC 8483^T; 4, *B. xylanisolvens* XB1A^T; 5, CG01^T; 6, *B. nordii* JCM 12987^T; 7, *B. salyersiae* DSM 18765^T; ND, not determined

Features	1	2	3	4	5	6	7
Size (bp)	6,031,385	6,746,034	6,472,489	5,976,145	6,053,331	5,591,555	5,315,450
Contigs	single, complete	single, complete	single, complete	230	single, complete	118	6
G + C content (%)	41.8	41.7	41.9	41.9	40.3	40.6	41.9
Number of CDS	4,910	5,244	5,081	5,149	4,727	5,340	4,389
Number of rRNA (5S/16S/23S)	15 (5/5/5)	15 (5/5/5)	15 (5/5/5)	ND	15 (5/5/5)	3 (1/1/1)	14 (4/4/6)
Number of tRNA	24	24	23	ND	23	23	21
GenBank Accession	CP178209	CP060488	CP012938	FP929033	CP178179	BAJA00000000	AQHX00000000