

Table 1. General features of the *M. smithii* genome compared to other sequenced Methanobacteriales

	<i>Methanobrevibacter smithii</i>	<i>Methanosphaera stadtmanae</i>	<i>Methanothermobacter thermoautotrophicus</i>
Genome Size (bp)	1,853,160	1,767,403	1,751,377
G+C content (%)	31	28	50
Coding Regions (%)	90	84	90
Number of ORFs	1795	1534	1869
rRNA operons	2	4	2
tRNA genes	34	40	39
tRNA genes with intron	1	1	3
Transposases (remnants)	2 (20)	1 (2)	0
Insertion Sequences	8	4	0
Restriction Modification System Subunits (Type I/II/III)	2/6/1	3/2/1	3/0/0
Putative Prophage	Yes	No	No