

FIG. 1a

AGAGTTTGATCCTGGCTCAGGATGAACGCAGGCGGCGTGCTTAACACATGCAAGT
CGAACGGGATCCATCGGGCTTTGCTTGGTGGTGAGAGTGGCGAACGGGTGAGTAA
TGCGTGACCGACCTGCCCCATGCACCGGAATAGCTCCTGGAAACGGGTGGTAATG
CCGGATGCTCCATCACACCGCATGGTGTGTTGGGAAAGCCTTTGCGGCATGGGAT
GGGGTCGCGTCCTATCAGCTTGATGGCGGGGTAACGGCCCACCATGGCTTCGACG
GGTAGCCGGCCTGAGAGGGCGACCGGCCACATTGGGACTGAGATACGGCCCAGA
CTCCTACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCA
GCGACGCCGCGTGAGGGATGGAGGCCTTCGGGTTGTAAACCTCTTTTGTAGGGA
GCAAGGCACTTTGTGTTGAGTGTACCTTTCGAATAAGCACCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTATCCGGAATTATTGGGCGTAAA
GGGCTCGTAGGCGGTTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGTGGA
TCCGCGCCGGGTACGGGCGGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCCGG
TGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAAGGCAGGTC
TCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAG
ATACCCTGGTAGTCCACGCCGTAAACGGTGGATGCTGGATGTGGGGCCCGTTCCA
CGGGTTCCGTGTCGGAGCTAACGCGTTAAGCATCCCGCCTGGGGAGTACGGCCGC
AAGGCTAAAACTCAAAGAAATTGACGGGGGGCCCGCACAAAGCGGCGGAGCATGCG
GATTAATTCGATGCAACGCGAAGAACCTTACCTGGGCTTGACATGTTCCCGACGAC
CCCAGAGATGGGGTTTCCCTTCGGGGCGGGTTCACAGGTGGTGCATGGTTCGTCTG
CAGCTCGTGTCGTGAGATGTTGGGTAAAGTCCCGCAACGAGCGCAACCCTCGCCC
CGTGTTGCCAGCGGATTATGCCGGGAACCTACGGGGGACCGCCGGGGTTAACTCG
GAGGAAGGTGGGGATGACGTCAGATCATCATGCCCTTACGTCCAGGGCTTCACG
CATGCTACAATGGCCGGTACAACGGGATGCGACAGTGCGAGCTGGAGCGGATCCC
TGAAAACCGGTCTCAGTTCGGATCGCAGTCTGCAACTCGACTGCGTGAAGGCGG
AGTCGCTAGTAATCGCGAATCAGCAACGTCGCGGTGAATGCGTTCCCGGGCCTTGT
ACACACCGCCCGTCAAGTCATGAAAGTGGGCAGCACCCGAAGCCGGTGGCCTAA
CCCCTTGCGGGAGGGAGCCGTCTAAGGTGAGGCTCGTGATTGGGACTAAGTCGTA
ACAAGGTAGCCGTACCGGAAGGTGCGGCTGGATCACCTCCTT

FIG. 1b

		Percent Identity						
Divergence		1	2	3	4	5	6	7
1			99.3	92.7	96.4	95.3	91.2	92.9
2		0.3		92.9	96.8	95.8	91.4	93.1
3		4.4	4.6		93.4	93.4	89.3	94.1
4		2.4	2.3	4.6		98.8	90.8	93.0
5		3.2	3.1	5.1	0.9		90.6	93.7
6		6.0	6.3	7.6	6.9	7.0		90.9
7		5.1	5.1	4.9	5.2	5.0	6.7	

1. *B. breve* (KCTC 12201BP)

2. *B. breve*^T (ATCC 15700)

3. *B. bifidum*^T (DSM 20456)

4. *B. infantis*^T (ATCC 15697)

5. *B. longum*^T (ATCC 15707)

6. *B. lactis*^T (DSM 10140)

7. *B. catenulatum*^T (KCTC 3221)

FIG. 1c

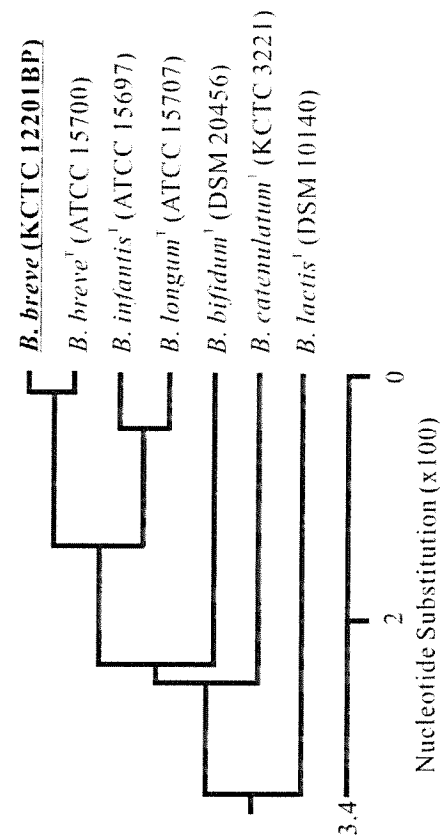


FIG. 2

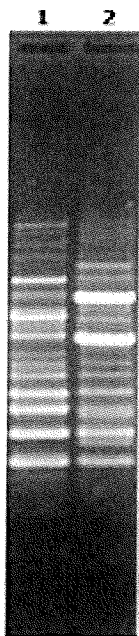


FIG. 3

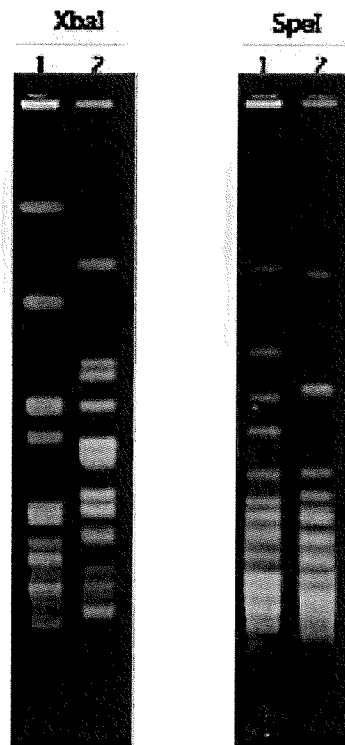


FIG. 4



FIG. 5

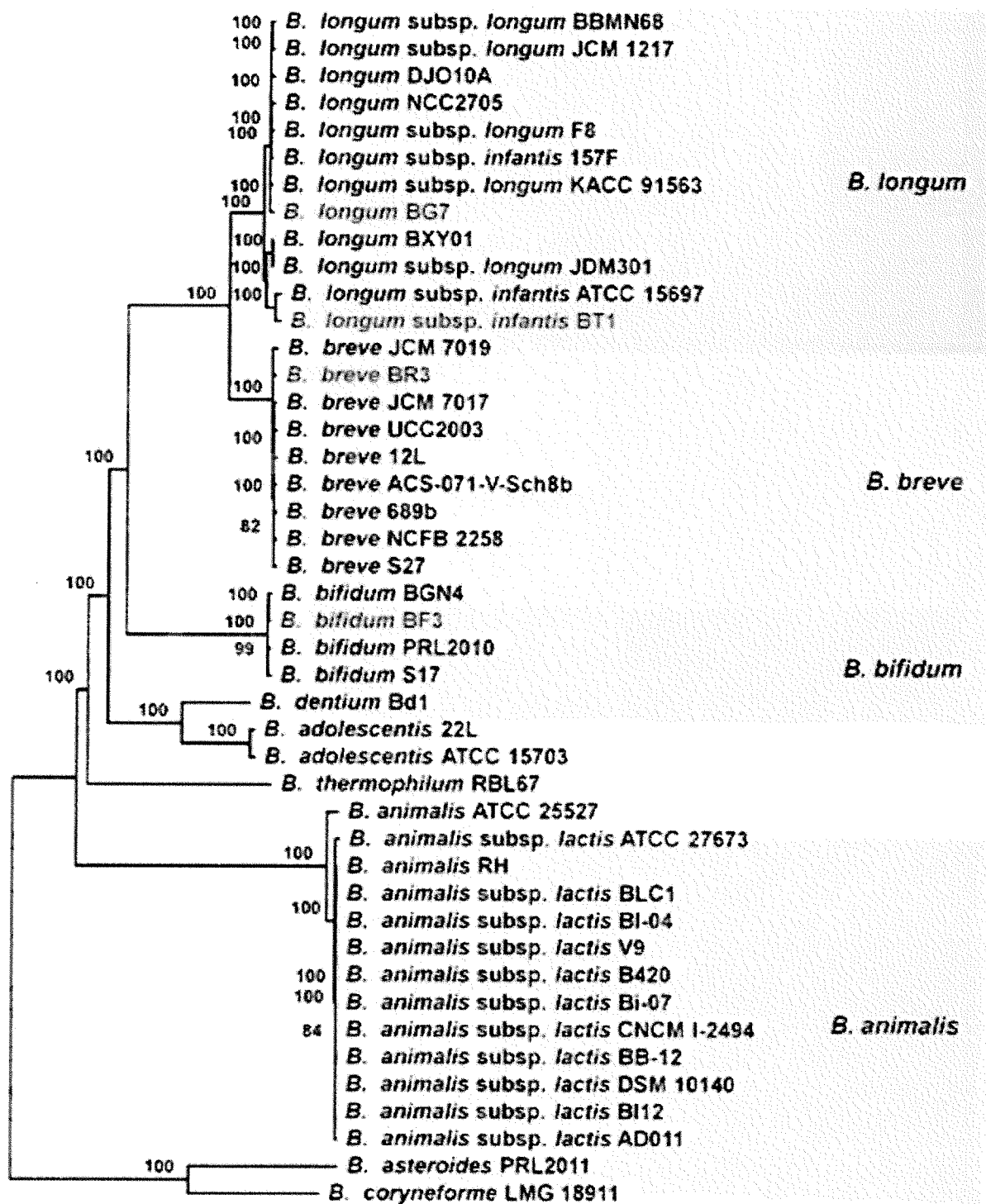


FIG. 6

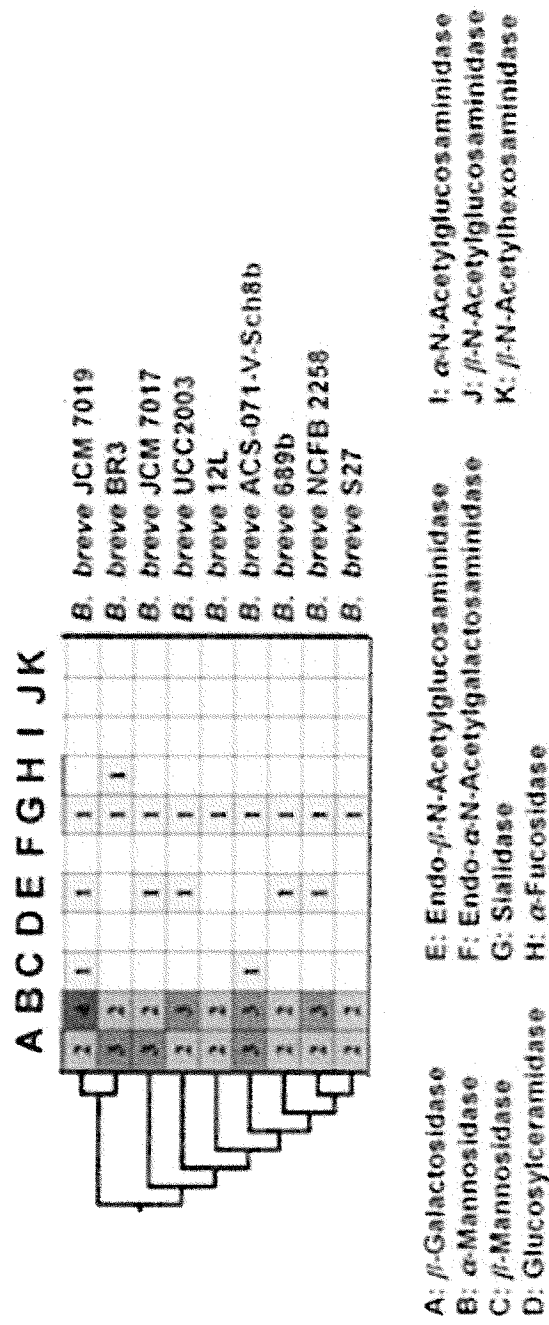


FIG. 7

