

AAACTACGGACATTATGCAGAGAATCAGGGAGTTGGCCGTTCAAGCTTCTAACGGTAT
TTATTCCGCAGAAGACAGAATGCAAATTCAAGTTGAAGTTTCTCAGCTGGTTGCTGAA
GTTGACCGCATTGCAAGTTCCGCACAATTTAACGGAATGAATATGCTTACGGGCCGCT
TTGCACGTGAGACCGGTGAAAACGTTGTTACCGCTTCCATGTGGTTCCACATCGGTGC
AAACATGGACCAAAGAATGCGCGTTTACATCGGAACAATGTCGGCTGCAGCCGTAGG
AATTCGCGAAATCGGTTTCGGAAAAGATTATGACAATCGAACTGCCGATTCCGCCAAT
ATGAGCATCGGAACGATTGATGAAGGCTTAAAGAAAATCAATAAGCAAAGAGCGGAC
CTCGGAGCTTACCAGAACAGAATGGAACTTACGGTTGTAGGA

Figure S1 The consensus sequence of *flaB2* gene obtained after sequencing and assembling *Treponema pedis* DSM 18691 as a positive control.

TTTTATTCAAGTTGCGGAAGCTTTCCTTCAGGAACTACAGATGTTATCCAGAGAATCC
GCGAACTCAGCATTCAAGTCTTCTAACGGTATTTACTCGGCAGAAGACAGATTGTACATT
CAGGTTGAAGTATCTCAGCTAATCGCTGAAGTAGACCGAATTGCAAGCCATGCACAGT
TCAACGGTATGAATATGCTTACCGGAAGATTTGCTCAAGAAACCGGAGAAAATACCGT
AACTGCTTCTATGTGGTTCCACATCGGTGCCAACATGGATCAGAGAACAAGAGCTTAC
ATTGGAACAATGACAGCTAAGGCTCTCGGCGTTTCGCAATATCGGAGATGAATCGATTA
TGACTATCGAAACACCCGAAAAAGCTAACCGCGCTATCGGTACCCTTGATGAAGCCAT
CAAGAAGATCAACAAGCAAAGAGCCGACCTTGGTGCATACCAG

Figure S2 The consensus sequence of *flaB2* gene obtained after sequencing and assembling *Treponema denticola* DSM 14222 as a positive control.

CTGGCAGTAGGGGTTGCGCTCGTTGCGGGACTTAACCCAACACCTCACGGCACGAGC
TGACGACAGCCATGCAGCACCTGTATACCGGCGTATTGCTACGCTCTGTTGTCTCCAAC
ACATTCCAGTATATGTCAAACCCAGGTAAGGTTCTCGCGTACCATCGAATTAAACCAC
ATGCTCCACCGCTTGTGCGGGCCCCCGTCAATTCCTTTGAGTTTCACCCTTGCGGGCAT
ACTTCCCAGGCGGTACACTTATCACGTTTGCTTTGGCACCCAGTCTCTTGACCAGACA
CCTAGTGTACATCGTTTACTGTGCGGACTACCAGGGTATCTAATCCTGTTGCTCCCCG
CACCTTCGCACCTCAGCGTCAGTTATCTGCCTGAAACTTGCCTTCGCCATTGGTGTCT
TCCAGATATCTACAGATTTACCCCTACACCTGGAATTCCAGTTTCACTTCAGTAACTCT
AGTCTTATAGTTCTCAATGCGGTTCCGGGGTTGAGCCCCGGGATTTACACCAAGCTT
GCAAAACTGCCTACATGCCCTTTACGCCCAATAATTCCGAACAACGCTCGCAACTTACG
TGTTACCGCGGCTGCTGGCACGTAATTAGCCGTTGCTTATTCAAAACCTACT

Figure S3 The consensus sequence of 16S rRNA gene obtained after sequencing and assembling *Treponema brennaborens* DSM 12168 as a positive control.