The *Bacteroides fragilis* MLST scheme uses internal fragments of seven single-copy core genes associated with housekeeping functions. The fragments are amplified using the following primers pairs and PCR protocol.

Primer	Sequence (5´ to 3´)	Amplicon size (bp)	MLST fragment size (bp)
GroL - Heat shock protein			
groL_fw	CGGTTATCGGTAAACTGATTGC	607	498
groL_rv	GATTTAGTAGCAGCAATCTGAGC		
RpoB - RNA polymerase b-subunit			
rpoB_fw	GCCGATTATCCGGTTGTAG	614	498
rpoB_rv	CGAACTTCGAGTGAATACTCTTCTAC		
DnaJ - Chaperone protein			
dnaJ_fw	GGATAAACGTGCCCGCTAC	582	480
dnaJ_rv	C(G/C)CCCATAGAGAGTTGC		
RprX - Histidine kinase			
rprX_fw	TACATCCGTGCGAAATGC	607	498
rprX_rv	CTTCACAATACTCATCTTCGCAG		
PrfA - Release factor			
prfA_fw	CTCAGGA(T/C)GGTAA(G/A)AATGCC	573	471
prfA_rv	CGTCGATATACTTCTGATGTTCC		
FusA- Elongation factor G			
fusA_fw	CTACAACTCTCGTTCAGGTAAG	588	486
fusA_rv	GGAATGTTACCACCCTTCAC		
RecA - DNA repair recombinase			
recA_fw	GCTGCCATGGACAAGATAG	569	468
recA_rv	ACACCGATTTTCTCACGC		

Final length of concatenated MLST fragments: 3399bp

PCR protocol

All the primers have been designed with a GC content of 40-60% and a melting temperature (tm) of 54-56°C. The following PCR programs are suggestions and should be adjusted according to the specifications of the polymerase used.

Phusion polymerase

Initial denaturation: 98°C 30s
- Denaturation: 98°C 10s
- Annealing: 60°C 20 s
- Extension: 72°C 30s
- Repeat previous 3 steps 30 times

Final extension: 72°C 5m

Taq polymerase

Initial denaturation: 95°C 30s
- Denaturation: 95°C 10s
- Annealing: 55°C 20 s
- Extension: 72°C 30s
- Repeat previous 3 steps 30 times

Final extension: 72°C 5m