Supplementary file 1.16S rRNA sequences of major JS1 OTU (B\_OTU1 and B\_OTU3) and archaeal OTU, A­\_OTU15 which showed a significant correlation with JS1 OTU (B\_OTU1)

>B\_OTU1 (Ca. Atribacteria)

GGATGAGCCTGCGTCCTATTAGTTAGTTGGTGGGGTAATGGCCTACCAAGACCACAATGGGTAGCCGGTCTGAGAGGATGTACGGCCACACTGGGACTGAGATACGGCCCAGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCGACGCCGCGTGGATGATGAAGGCCCTTGGGTTGTAAAATCCTGTTCTGGGGGAAGAAAGCTTAAAGGTCCAATAAACCCTTAAGCCTGACGGTACCCCA-AGAGAAAGCTCCGGCT-AATTATGTGC

>B\_OTU3 (Ca. Atribacteria)

GGATGAGCCTGCGTCCTATTAGTTAGTTGGTGGGGTAATGGCCTACCAAGACCACAATGGGTAGCCGGTCTGAGAGGATGTACGGCCACACTGGGACTGAGATACGGCCCAGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCGACGCCGCGTGGATGATGAAGGCCTTTGGGTTGTAAAATCCTGTTCTGGGGGAAGAAAGCTTAAGGGTCCAATAAACCTTTAAGTTTGACGGTACCCCA-AGAGAAAGCTCCGGCT-AATTATGTGC

> A\_OTU15 (Lokiarchaeota)

GGCTCACCAAGCCGATAATCGATAGGGGCCGTGAGAGCGGGAGCCCCAAGATGGGTACTGAGACAGCGACCCAGGCCTTACGAGGCGCAGCAGGTACGAAACCTCCGCAATACACGAAAGTGTGACGGGGTTACCCAAAGTGTTCTTATAGAACTGTGGCAGGTGAGTAATGTCCCCTGCTAGAAAGGAGAGGGCAAGGCTGGTGC