able S3. The dominant OTU for a given phylum (or class) identified from *Aedes aegypti* larvae collected from Site 1 in Jacksonville, FL on 7/12 and 7/26 or the *Ae. aegypti* GCA2
boratory culture. For each OTU, the total number oligotypes identified in larvae, the sequences of the two most abundant oligotypes, and the full-length 16S rRNA amplicon fo
ach of the two most abundant oligotypes are listed to the right.

	Total number of oligotypes identified in larvae	Two Most Abundant Oligotypes	% Sequence Identity Between: (1) Two Most Abundant Oligotypes for each OTU shown (2) All Oligotypes for Each OTU	Representative Sequence	BlastN sequence identity, Accessi number, Description, Reference (if available)
Actinobacteria					
Leucobacter sp.	32	GTGCTTAGCACTTAACCTCCCTA CCGGATCCGTGGAAACTTTGGA AACGTGGAGTAG GTGCTTAGCACTTAACCTCCCTA CCGGATCCGTGGAAACTTTGGA AACGTGCAGTAG	(1) 99.8% (2) 88.0%	TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCTCTTTCACCAGGGACGAAGCGCAAGTGACGGTACCTGGAGAAGAAGGACCGG CCAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTCCGAGCGTTGTCCGGAATTACTGGGCGTAAAGAGCTCGTAGGTGGTTTGTCGCGTTGTCCGTGAAAACTCACAACTCAATTGTGGGCGTGCGGGCGATACGGGCAGACT GGAGTACTGCAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCAGTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACC CGTGTAGTC TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCTCTTTCACCAGGGACGAAGCGCAAGTGACGGTACCTGGAGAAGAAGGACCGG CCAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTCCGAGCGTTGTCCGGAATTACTGGGCGTAAAGAGCTCGTAGGTGGTTTGTCGCGTTGTCCGTGAAAACTCACAACTCAATTGTGGGCGTGCGGGCGATACGGGCAGACT GGAGTACTGCAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCAGTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACC CGAGTAGTC	99%, AB127812, Uncultured bacteria clone from freshwater sediment in Japan, Tamaki *et al.* 2005
Bacteroidetes					
Dysgonomonas sp.	72	GCTACGCAAGTCTGAAAGCGTA CACATTGCATCTGCGAGGACTC TTCGAGCTCAACCTAGGGTTTAG CCTAGACCCAATACTCAAGCATC CA GCTACGCAAGTCTGAAAGCGTA CACATTGCATCTGCGAGGACTC TTCGAGCTCAACCTAGGGTTTAG CCTAGACCCAATACTCAAGCATC GA	(1) 99.8% (2) 59.5%	TACGGGGGGCTGCAGTAAGGAATATTGGTCAATGGAGGGAACTCTGAACCAGCCATGCCGCGTGAAGGATGACGGCCCTCTGGGTTGTAAACTTCTTTTGGATGGGGCGAAAAAACGGGATTTATCCTGGACTGACGGTACCATCA GAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGAATCACTGGGTTTAAAGGGTGCGTAGGCGGTTGTATAAGTCAGGGGTGAAAGGATGCAGCTTAACTGTATAATTGCCTTTGA TACTGTATGACTTGAATAAGGTTGAGGTTGGCGGAATGTGACATGTAGCGGTGAAATGCTTAGATATGTCATGGAACACCGATTGCGAAGGCAGCTGACTGGGCCTTTATTGACGCTGAGGCACGAAAGCGTGGGTAGCGAACAGGA TTAGATACCCTGTAGTC TACGGGGGGCTGCAGTAAGGAATATTGGTCAATGGAGGGAACTCTGAACCAGCCATGCCGCGTGAAGGATGACGGCCCTCTGGGTTGTAAACTTCTTTTGGATGGGGCGAAAAAACGGGATTTATCCTGGACTGACGGTACCATCA GAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGAATCACTGGGTTTAAAGGGTGCGTAGGCGGTTGTATAAGTCAGGGGTGAAAGGATGCAGCTTAACTGTATAATTGCCTTTGA TACTGTATGACTTGAATAAGGTTGAGGTTGGCGGAATGTGACATGTAGCGGTGAAATGCTTAGATATGTCATGGAACACCGATTGCGAAGGCAGCTGACTGGGCCTTTATTGACGCTGAGGCACGAAAGCGTGGGTAGCGAACAGGA TTAGATACCCTTGTAGTC	99%, KJ808034, Uncultured bacteria clone from wastewater in China, Wan *et al.* 2014
Alphaproteobacteria					
unclassified Alphaproteobacterium	370	AAGCAGTGCGCAATGCCGCGAA GGCACAGCGCTGTCAATCTTTG GGCTCAACTCGAACTGCTGGAG GTCTCGTGAGCTCACCCGGTAC TGATGCGAAAGG AAGCAGTGCGCAATGCCGCGAA GGCACAGCGCTGTCAATCTTTG GGCTCAACTCGAACTGCTGGAG GTCTCGTGAGCTCACCCGGTAC TGATGCGAAAGG	(1) 99.8% (2) 66.4%	TACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCAATTCCGCGTGGGTGAAGAAGGTCTTCGGATTGTAAAGCCCTTTCGGCGGGGACGATGATGACGGTACCCGCAGAAGAAGCCCCGGCTAACT TCGTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGCCCGCTAAGTCAGGCGTGAAATTCCCGGGCTCAACCCGGGGGCTGCGTTTGAGACTGGCGGGCTTGAG GGCGGGAGAGGCTCGTGGAATTCCCAGTGTAGAGGTGAAATTCGTAGATATTGGGAAGAACACCGGTGGCGAAGGCGGCGAGCTGGCCCGTTTCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCTGT AGTC TACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCAATTCCGCGTGGGTGAAGAAGGTCTTCGGATTGTAAAGCCCTTTCGGCGGGGACGATGATGACGGTACCCGCAGAAGAAGCCCCGGCTAACT TCGTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGCCCGCTAAGTCAGGCGTGAAATTCCCGGGCTCAACCCGGGGGCTGCGTTTGAGACTGGCGGGCTTGAG GGCGGGAGAGGCTCGTGGAATTCCCAGTGTAGAGGTGAAATTCGTAGATATTGGGAAGAACACCGGTGGCGAAGGCGGCGAGCTGGCCCGTTTCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCTGT AGTC	99%, KC574972, Uncultured bacteria clone from a freshwater spring in northern California, US, Suzuki *et al.* 2013
Betaproteobacteria					
C39 sp.	76	GTGACATGTCGCTGATCGCACA GGCCCTGTGTGGAGCTGGTAGG TTTTATCCTATGAACCTAAAACC GAGTCGCCGATCCAGTAG GTGACATGTCGCTGATCGCACA GGCCCTGTGTGGAGCTGGTAGG TTTTATCCTATGAACCTAAAACC GAGTCGCCGATCGAGTAG	(1) 93.7% (2) 84.0%	TACGGGGGGCTGCAGTGGGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTCAGACGGAAAGAAAACGAGCAGGTTAATACCCTGTTTGGATGACGGTAC CGTCAGAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGTGTAAGACAGATGTGAAAGCCCCGGGCTTAACCTGGGAACTG CGTTTGTGACTGCACAGCTAGAGTACGGCAGAGGGGGGTGGAATTCCACGTGTAGCAGTGAAATGCGTAGAGATGTGGAGGAACACCGATGGCGAAGGCAGCCCCCCTGGGCCTGTACTGACGCTCATGCACGAAAGCGTGGGGAG CAAACAGGATTAGATACCCTTGTAGTC TACGGGGGGCTGCAGTGGGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTCGGCCGGGAAGAAATCGCACAGGCTAATACTCTGTGTGGATGACGGTAC CGGCATAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTAGGTAAGTTTGATGTGAAATCCCCGGGCTCAACCTGGGAACTGC ATTGAAGACTGCCTAACTAGAGTACGGCAGAGGGGGGTGGAATTCCACGTGTAGCAGTGAAATGCGTAGAGATGTGGAGGAACACCGATGGCGAAGGCAGCCCCCTGGGCCGATACTGACGCTCATGCACGAAAGCGTGGGGAGC AAACAGGATTAGATACCCCGGTAGTC	99%, FJ608058, Uncultured *Azoarcu* sp. clone from the gut microbiota of *Anopheles stephensi* mosquito larvae collected in India, Rani *et al.* 2009 99%, LC094636, Rhodocyclaceae bacterium identified from the Tokigav River in Japan
Gammaproteobacteria					
unclassified Sinobacteraceae	5	GTGCAGTAGCTCTTGTTAATACG GCAGGTTGCTAATGGGTAG GTGCAGTAGCTCTTGTTAATACG GCAGGTTGCTAATTAGTAG	(1) 99.8% (2) 99.6%	TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCAGCGAGGAGGAAGGGGGTGGTGTTAATATCACCATTCATTGACGTTAC TCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGAGCTTAACTTGGGAACTGC ATTTGAAACTGGCAAGCTAGAGTCTTGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACAAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGC AAACAGGATTAGATACCCCGGTAGTC TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCAGCGAGGAGGAAGGGGGTGGTGTTAATATCACCATTCATTGACGTTAC TCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGAGCTTAACTTGGGAACTGC ATTTGAAACTGGCAAGCTAGAGTCTTGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACAAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGC AAACAGGATTAGATACCCGGGTAGTC	99%, KT388005, *Serratia* sp. from a water distribution system in Germany
Deltaproteobacteria					
Desulfovibrio cuneatus	72	GTGCAGTCGCCTTCAGGAGGAA CATCAGTGGCGACTGTCTGGCC TGTGGGTACA GAGCAGTCGCCTTCAGGAGGAA CATCAGTGGCGACTGTCTGGCC TGTGGGTACA	(1) 99.8% (2) 78.4%	TACGGGGGGCTGCAGTAGGGAATATTGCGCAATGGACGAAAGTCTGACGCAGCGACGCCGCGTGAGTGATGAAGGCCTTAGGGTCGTAAAGCTCTGTTGAATGGGAAGAAATAAATGACGGTACCATTCGAGGAAGGACCGGCTAA CTTCGTGCCAGCAGCCGCGGTAATACGAGGGGTCCTAGCGTTGTTCGGAATCATTGGGCGTAAAGGGTGTGTAGGTGGCTATGTAAGTCAGGTGTGAAAGCCCCGGGCTCAACCCGGGAAGTGCATCTGATACTGCGTAGCTTGAG TACCGAAGAGGATAGTGGAATTCCAGGTGTAGTGGTGAAATACGTAGATATCTGGAGGAACACCGGTGGCGAAGGCGGCTATCTGGTCGAGTACTGACACTGAGACACGAAAGCATGGGGATCAAACAGGATTAGATACCCGAGTA GTC TACGGGGGGCAGCAGTAGGGAATATTGCGCAATGGACGAAAGTCTGACGCAGCGACGCCGCGTGAGTGATGAAGGCCTTAGGGTCGTAAAGCTCTGTTGAATGGGAAGAAATAAATGACGGTACCATTCGAGGAAGGACCGGCTAA CTTCGTGCCAGCAGCCGCGGTAATACGAGGGGTCCTAGCGTTGTTCGGAATCATTGGGCGTAAAGGGTGTGTAGGTGGCTATGTAAGTCAGGTGTGAAAGCCCCGGGCTCAACCCGGGAAGTGCATCTGATACTGCGTAGCTTGAG TACCGAAGAGGATAGTGGAATTCCAGGTGTAGTGGTGAAATACGTAGATATCTGGAGGAACACCGGTGGCGAAGGCGGCTATCTGGTCGAGTACTGACACTGAGACACGAAAGCATGGGGATCAAACAGGATTAGATACCCGAGTA GTC	99%, KJ756873, Uncultured bacteria clone from wastewater in Tunisia
Actinobacteria					
unclassified Microbacteriaceae	72	GTGCCTAACACTTAACTTCCCTA CCGAGCTCGTGGAGACTATGAA ATCGTACAGTAG GTGCCTAACACTTAACTTCCCTA CCGAGCTCGTGGAGACTATGAA ATCGTACGGTAG	(1) 99.8% (2) 88.3%	TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGATGAAGGCCTTCGGGTTGTAAACCTCTTTTAGCAGGGAAGAAGCGAAAGTGACGGTACCTGCAGAAAAAGCACCGGC TAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTTTGTCACGTCTGCTGTGAAAATCCGAGGCTCAACCTCGGACCTGCAGTGGGTACGGGCAAGCTA GAGTTACGGTAGGGGAGATGGGAATTCCTGGTGTAGCGGTAAAATGCGCAGATATCAGGAGGAACACCAATGGCGAAGGCACATCTCTGGGCCGTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCC AGTAGTC TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGATGAAGGCCTTCGGGTTGTAAACCTCTTTTAGCAGGGAAGAAGCGAAAGTGACGGTACCTGCAGAAAAAGCACCGGC TAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTTTGTCACGTCTGCTGTGAAAATCCGAGGCTCAACCTCGGACCTGCAGTGGGTACGGGCAAGCTA GAGTTACGGTAGGGGAGATGGGAATTCCTGGTGTAGCGGTAAAATGCGCAGATATCAGGAGGAACACCAATGGCGAAGGCACATCTCTGGGCCGTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCC AGTAGTC	99%, GU369375, Uncultured bacteria clone from the microbiota of a zebra musse (*Dreissena polymorpha*) in the US Gi Lakes
Bacteroidetes					
Chryseobacterium sp.	35	ACTGTGAGAGCCTGCCCTTTCTA AAGCTGAAGCTGCAAGATTGTTT CATACTTAACTAAACAGGAGGTA ATTTACCAATGTCGATGGAGCC G GCTGTGAGAGCCTGCCCTTTCT AAAGCTGAAGCTGCAAGATTGTT TCATACTTAACTAAACAGGAGGT AATTTACCAATGTCGATGGAGCC T	(1) 79.3% (2) 71.4%	TACGGGAGGCTGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAATCGCGTGAAGGAAGACAGCCCTACGGGTTTTAAACTTCTTTTGTAAGGGAATAAAAAAAGTTACGCGTAACTTATTGCATGTACCTTACGA ATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAGACCTAAGTCAGCGGTGAAATCTCGAGGCTCAACCTCGAACCTGCCGTTGAA ACTGAGTCCCTTGAGTATAGATGAAGTAGGCGGAACTCGTTGTGTAGCGGTGAAATGCATAGATATAACGAAGAACCCCAATTGCGTAGGCAGCTTACTAAACTATCACTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATT AGATACCCTAGTAGTC TACGGGGGGCTGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCATGCCGCGTGCAGGAAGACGGTCCTATGGATTGTAAACTGCTTTTATACAGGAAGAAACAACTCTACGTGTAGAGTCTTGACGGTACTGTAGG AATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCCGTAGGCGGTCTTATAAGTCAGTGGTGAAAGCCCATCGCTCAACGATGGAACTGCCATTGAT ACTGTAAGACTTGAATGCTTAGGAAGTAACTAGAATATGTAGTGTAGCGGTGAAATGCTTAGATATTACATGGAATACCAATTGCGAAGGCAGGTTACTACTAAGTGATTGACGCTGATGGACGAAAGCGTGGGGAGCGAACAGGATT AGATACCCTTGTAGTC	99%, EF176899, Uncultured Bacteroidales bacterium clone from t hindgut microbiota of giant crane fly (*Tipula abdominalis*) larvae collected from a stream in Michigan, US, Cook *al.* 2007 99%, GU305841, Uncultured bacteria clone from an oligotrophic lake in Ch
Firmicutes					
Clostridium sp.	110	GGCTGGGAAACCCTGTCCCGTT CCGACCGGGCGGAACGATCTA CGTCGCGACTTTACGTTTAGCC CAGTAG---- GGCTGGGAAACCCTGTCCCGTT CCGACCGGGCGGAACGATCTA CGTCGCGACTTTACGTTTAGCC CTGTAG----	(1) 99.8% (2) 79.9%	TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTA CGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGAGCGTAGGTGGATATTAAGTGGGATGTGAAATACTCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGATCTAGAGTGCA GGAGAGGAAAGTAGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAATACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCAGTAGTC TACGGGGGGCTGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTA CGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGAGCGTAGGTGGATATTAAGTGGGATGTGAAATACTCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGATCTAGAGTGCA GGAGAGGAAAGTAGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAATACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCAGTAGTC	99%, JQ379125, Uncultured bacteria clone from soil in the US, Dunbar *et a* 2012
Betaproteobacteria					
unclassified Comamonadaceae	145	GTCCGCGCGTTCGGATCTTCTG GGCCCGCAGGAGCCGAACTTGT GGACGATACCATTGGCACGTTG GGCAGAAAGCTGCCCAGTA GTCCGCGCGTTCGGATCTTCTG GGCCCGCAGGAGCCGAACTTGT GGACGATACCATTGGCACGTTG GGCAGAAAGCTGCCTAGTA	(1) 99.6% (2) 92.0%	TACGGGGGGCTGCAGTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCCATTCCGCGTGCAGGATGAAGGCCCTCGGGTTGTAAACTGCTTTTGTACGGAACGAAACGGTCCTGGTTAATACCTGGGGCTAATGACGGTAC CGTAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTGATGTAAGACGGATGTGAAATCCCCGGGCTCAACCTGGGAACTGC ATTCGTGACTGCATCGCTGGAGTGCGGCAGAGGGGGATGGAATTCCGCGTGTAGCAGTGAAATGCGTAGATATGCGGAGGAACACCGATGGCGAAGGCAATCCCCTGGGCCTGCACTGACGCTCATGCACGAAAGCGTGGGGAGC AAACAGGATTAGATACCCTGAGTAGTC TACGGGGGGCTGCAGTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCCATTCCGCGTGCAGGATGAAGGCCCTCGGGTTGTAAACTGCTTTTGTACGGAACGAAACGGTCCTGGTTAATACCTGGGGCTAATGACGGTAC CGTAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTGATGTAAGACGGATGTGAAATCCCCGGGCTCAACCTGGGAACTGC ATTCGTGACTGCATCGCTGGAGTGCGGCAGAGGGGGATGGAATTCCGCGTGTAGCAGTGAAATGCGTAGATATGCGGAGGAACACCGATGGCGAAGGCAATCCCCTGGGCCTGCACTGACGCTCATGCACGAAAGCGTGGGGAGC AAACAGGATTAGATACCCTGTAGTC	99%, KX508966, Uncultured bacteria clone from rainwater collected in Chi
Verrucomicrobia					
Luteolibacter sp.	42	GTGCAGTCGAGAATAATTCACAT CGGTGTTACCCCAGTAG GTGCAGTCGAGAATAATTCACAT CGGTGTTACCCGTGTAG	(1) 99.6% (2) 99.1%	TACGGGAGGCAGCAGTCGAGAATAATTCACAATGGGGGAAACCCTGATGGTGCAACGCCGCGTGGAGGATGAAGGTCTTCGGATTGTAAACTCCTGTCATCTGGGAGTAAGACCTGGCTGTGAATAGCAGACAGGGTTGATAGTAC CAGAAGAGGAAGGGACGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGTCCCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGCGTGGTAAGTCAGATGTGAAATCCCGGGGCTCAACCCCGGAACTG CATCCGATACTGCCATGCTTGAGGGTTGGAGAGGTAGCTGGAATTCTCGGTGTAGCAGTGAAATGCGTGGATATCGAGAGGAACACTCGTGGCGAAGGCGAGCTACTGGACAACATCTGACGCTGAGGCTCGAAGGCTAGGGGAG CGAAAGGGATTAGATACCCCAGTAGTC TACGGGAGGCAGCAGTCGAGAATAATTCACAATGGGGGAAACCCTGATGGTGCAACGCCGCGTGGAGGATGAAGGTCTTCGGATTGTAAACTCCTGTCATCTGGGAGTAAGACCTGGCTGTGAATAGCAGACAGGGTTGATAGTAC CAGAAGAGGAAGGGACGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGTCCCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGCGTGGTAAGTCAGATGTGAAATCCCGGGGCTCAACCCCGGAACTG CATCCGATACTGCCATGCTTGAGGGTTGGAGAGGTAGCTGGAATTCTCGGTGTAGCAGTGAAATGCGTGGATATCGAGAGGAACACTCGTGGCGAAGGCGAGCTACTGGACAACATCTGACGCTGAGGCTCGAAGGCTAGGGGAG CGAAAGGGATTAGATACCCTTGTAGTC	99%, AB240273, Uncultured bacteria clone from laboratory-based commor reed (*Phragmites australis*) bed reac in Japan